

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

LAB CHRONICLE

OrderID:	Q1914	OrderDate:	4/29/2025 2:19:16 PM
Client:	CDM Smith	Project:	Con Ed UTEN Mount Vernon, NY
Contact:	Marcie Ann Encinas	Location:	L41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1914-01	SS-1	SOIL	SVOCMS Group3	8270E	04/28/25	04/30/25	05/01/25	04/29/25
Q1914-02	SS-91	SOIL	SVOCMS Group3	8270E	04/28/25	04/30/25	05/01/25	04/29/25
Q1914-03	SS-2	SOIL	SVOCMS Group3	8270E	04/28/25	04/30/25	05/01/25	04/29/25
Q1914-04	SS-3	SOIL	SVOCMS Group3	8270E	04/28/25	04/30/25	05/05/25	04/29/25
Q1914-05	SS-4	SOIL	SVOCMS Group3	8270E	04/28/25	04/30/25	05/01/25	04/29/25
Q1914-06	SS-5	SOIL	SVOCMS Group3	8270E	04/28/25	04/30/25	05/05/25	04/29/25
Q1914-07	SS-6	SOIL	SVOCMS Group3	8270E	04/28/25	04/30/25	05/02/25	04/29/25
Q1914-08	SS-7	SOIL	SVOCMS Group3	8270E	04/28/25	04/30/25	05/02/25	04/29/25
Q1914-09	SS-8	SOIL	SVOCMS Group3	8270E	04/28/25	04/30/25	05/02/25	04/29/25
Q1914-12	SS-9	SOIL	SVOCMS Group3	8270E	04/28/25	04/30/25	05/05/25	04/29/25
Q1914-14	FB04282025	Water	SVOCMS Group3	8270E	04/28/25	04/30/25	05/01/25	04/29/25

Hit Summary Sheet SW-846

SDG No.: Q1914
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SS-91								
Q1914-02	SS-91	SOIL	Fluoranthene	82.500	J	34.7	200	ug/Kg
			Total Svoc :			82.50		
			Total Concentration:			82.50		
Client ID : SS-2								
Q1914-03	SS-2	SOIL	Phenanthrene	90.700	J	24.8	200	ug/Kg
Q1914-03	SS-2	SOIL	Fluoranthene	190.000	J	35.6	200	ug/Kg
Q1914-03	SS-2	SOIL	Pyrene	180.000	J	42.7	200	ug/Kg
Q1914-03	SS-2	SOIL	Benzo(a)anthracene	120.000	J	27.3	200	ug/Kg
Q1914-03	SS-2	SOIL	Chrysene	110.000	J	23.6	200	ug/Kg
Q1914-03	SS-2	SOIL	Benzo(a)pyrene	120.000	J	35	200	ug/Kg
Q1914-03	SS-2	SOIL	Benzo(g,h,i)perylene	96.500	J	30.5	200	ug/Kg
			Total Svoc :			907.20		
			Total Concentration:			907.20		
Client ID : SS-3								
Q1914-04	SS-3	SOIL	Phenanthrene	270.000		23.8	190	ug/Kg
Q1914-04	SS-3	SOIL	Fluoranthene	450.000		34.2	190	ug/Kg
Q1914-04	SS-3	SOIL	Pyrene	400.000		41	190	ug/Kg
Q1914-04	SS-3	SOIL	Benzo(a)anthracene	220.000		26.2	190	ug/Kg
Q1914-04	SS-3	SOIL	Chrysene	210.000		22.7	190	ug/Kg
Q1914-04	SS-3	SOIL	Benzo(k)fluoranthene	100.000	J	25.5	190	ug/Kg
Q1914-04	SS-3	SOIL	Benzo(a)pyrene	210.000		33.6	190	ug/Kg
Q1914-04	SS-3	SOIL	Indeno(1,2,3-cd)pyrene	140.000	J	33.2	190	ug/Kg
Q1914-04	SS-3	SOIL	Benzo(g,h,i)perylene	190.000		29.3	190	ug/Kg
			Total Svoc :			2,190.00		
			Total Concentration:			2,190.00		
Client ID : SS-4								
Q1914-05	SS-4	SOIL	Phenanthrene	300.000		24.2	200	ug/Kg
Q1914-05	SS-4	SOIL	Fluoranthene	630.000		34.7	200	ug/Kg
Q1914-05	SS-4	SOIL	Pyrene	520.000		41.6	200	ug/Kg
Q1914-05	SS-4	SOIL	Benzo(a)anthracene	320.000		26.6	200	ug/Kg
Q1914-05	SS-4	SOIL	Chrysene	310.000		23	200	ug/Kg
Q1914-05	SS-4	SOIL	Benzo(k)fluoranthene	130.000	J	25.9	200	ug/Kg
Q1914-05	SS-4	SOIL	Benzo(a)pyrene	330.000		34.1	200	ug/Kg
Q1914-05	SS-4	SOIL	Indeno(1,2,3-cd)pyrene	190.000	J	33.6	200	ug/Kg
Q1914-05	SS-4	SOIL	Benzo(g,h,i)perylene	250.000		29.7	200	ug/Kg
			Total Svoc :			2,980.00		

Hit Summary Sheet
SW-846

SDG No.: Q1914
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				2,980.00				
Client ID : SS-5								
Q1914-06	SS-5	SOIL	Acenaphthene	120.000	J	23.7	190	ug/Kg
Q1914-06	SS-5	SOIL	Fluorene	250.000		28.2	190	ug/Kg
Q1914-06	SS-5	SOIL	Phenanthrene	200.000		23.3	190	ug/Kg
Q1914-06	SS-5	SOIL	Anthracene	100.000	J	37.1	190	ug/Kg
Q1914-06	SS-5	SOIL	Fluoranthene	360.000		33.4	190	ug/Kg
Q1914-06	SS-5	SOIL	Pyrene	360.000		40.1	190	ug/Kg
Q1914-06	SS-5	SOIL	Benzo(a)anthracene	110.000	J	25.6	190	ug/Kg
Q1914-06	SS-5	SOIL	Chrysene	120.000	J	22.2	190	ug/Kg
Q1914-06	SS-5	SOIL	Benzo(a)pyrene	110.000	J	32.8	190	ug/Kg
Q1914-06	SS-5	SOIL	Benzo(g,h,i)perylene	78.800	J	28.6	190	ug/Kg
Total Svoc :				1,808.80				
Total Concentration:				1,808.80				
Client ID : SS-6								
Q1914-07	SS-6	SOIL	Naphthalene	500.000		27	200	ug/Kg
Q1914-07	SS-6	SOIL	Acenaphthene	370.000		25.3	200	ug/Kg
Q1914-07	SS-6	SOIL	Fluorene	520.000		30.1	200	ug/Kg
Q1914-07	SS-6	SOIL	Phenanthrene	680.000		24.9	200	ug/Kg
Q1914-07	SS-6	SOIL	Anthracene	160.000	J	39.6	200	ug/Kg
Q1914-07	SS-6	SOIL	Fluoranthene	2,500.000		35.7	200	ug/Kg
Q1914-07	SS-6	SOIL	Pyrene	1,900.000		42.8	200	ug/Kg
Q1914-07	SS-6	SOIL	Benzo(a)anthracene	610.000		27.4	200	ug/Kg
Q1914-07	SS-6	SOIL	Chrysene	570.000		23.7	200	ug/Kg
Q1914-07	SS-6	SOIL	Benzo(k)fluoranthene	250.000		26.7	200	ug/Kg
Q1914-07	SS-6	SOIL	Benzo(a)pyrene	580.000		35.1	200	ug/Kg
Q1914-07	SS-6	SOIL	Indeno(1,2,3-cd)pyrene	280.000		34.6	200	ug/Kg
Q1914-07	SS-6	SOIL	Dibenzo(a,h)anthracene	84.100	J	32.6	200	ug/Kg
Q1914-07	SS-6	SOIL	Benzo(g,h,i)perylene	310.000		30.6	200	ug/Kg
Total Svoc :				9,314.10				
Total Concentration:				9,314.10				
Client ID : SS-7								
Q1914-08	SS-7	SOIL	Naphthalene	970.000		26.7	200	ug/Kg
Q1914-08	SS-7	SOIL	Phenanthrene	780.000		24.6	200	ug/Kg
Q1914-08	SS-7	SOIL	Fluoranthene	890.000		35.3	200	ug/Kg
Q1914-08	SS-7	SOIL	Pyrene	1,100.000		42.3	200	ug/Kg
Q1914-08	SS-7	SOIL	Benzo(a)anthracene	400.000		27	200	ug/Kg
Q1914-08	SS-7	SOIL	Chrysene	490.000		23.4	200	ug/Kg
Q1914-08	SS-7	SOIL	Benzo(k)fluoranthene	200.000		26.3	200	ug/Kg

Hit Summary Sheet SW-846

SDG No.: Q1914
Client: CDM Smith

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q1914-08	SS-7	SOIL	Benzo(a)pyrene	410.000		34.7	200	ug/Kg
Q1914-08	SS-7	SOIL	Indeno(1,2,3-cd)pyrene	250.000		34.2	200	ug/Kg
Q1914-08	SS-7	SOIL	Benzo(g,h,i)perylene	310.000		30.2	200	ug/Kg
Total Svoc :				5,800.00				
Total Concentration:				5,800.00				
Client ID : SS-8								
Q1914-09	SS-8	SOIL	Naphthalene	2,000.000		24.5	180	ug/Kg
Q1914-09	SS-8	SOIL	Acenaphthene	190.000		23	180	ug/Kg
Q1914-09	SS-8	SOIL	Phenanthrene	1,400.000		22.6	180	ug/Kg
Q1914-09	SS-8	SOIL	Anthracene	220.000		35.9	180	ug/Kg
Q1914-09	SS-8	SOIL	Fluoranthene	2,000.000		32.4	180	ug/Kg
Q1914-09	SS-8	SOIL	Pyrene	1,800.000		38.9	180	ug/Kg
Q1914-09	SS-8	SOIL	Benzo(a)anthracene	930.000		24.8	180	ug/Kg
Q1914-09	SS-8	SOIL	Chrysene	860.000		21.5	180	ug/Kg
Q1914-09	SS-8	SOIL	Benzo(k)fluoranthene	330.000		24.2	180	ug/Kg
Q1914-09	SS-8	SOIL	Benzo(a)pyrene	770.000		31.8	180	ug/Kg
Q1914-09	SS-8	SOIL	Indeno(1,2,3-cd)pyrene	420.000		31.4	180	ug/Kg
Q1914-09	SS-8	SOIL	Dibenzo(a,h)anthracene	140.000	J	29.6	180	ug/Kg
Q1914-09	SS-8	SOIL	Benzo(g,h,i)perylene	490.000		27.7	180	ug/Kg
Total Svoc :				11,550.00				
Total Concentration:				11,550.00				
Client ID : SS-9								
Q1914-12	SS-9	SOIL	Fluoranthene	160.000	J	34.4	190	ug/Kg
Q1914-12	SS-9	SOIL	Pyrene	150.000	J	41.2	190	ug/Kg
Q1914-12	SS-9	SOIL	Benzo(a)anthracene	83.600	J	26.3	190	ug/Kg
Q1914-12	SS-9	SOIL	Chrysene	78.400	J	22.8	190	ug/Kg
Q1914-12	SS-9	SOIL	Benzo(a)pyrene	79.100	J	33.8	190	ug/Kg
Total Svoc :				551.10				
Total Concentration:				551.10				



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q1914

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB167798BL	PB167798BL	Nitrobenzene-d5	100	80.3	80		49	133
		2-Fluorobiphenyl	100	70.4	70		52	132
		Terphenyl-d14	100	64.3	64		48	125
PB167798BS	PB167798BS	Nitrobenzene-d5	100	78.7	79		49	133
		2-Fluorobiphenyl	100	69.2	69		52	132
		Terphenyl-d14	100	73.5	74		48	125
PB167798BSD	PB167798BSD	Nitrobenzene-d5	100	80.3	80		49	133
		2-Fluorobiphenyl	100	68.2	68		52	132
		Terphenyl-d14	100	73.8	74		48	125
Q1914-14	FB04282025	Nitrobenzene-d5	100	88.3	88		49	133
		2-Fluorobiphenyl	100	75.7	76		52	132
		Terphenyl-d14	100	55.7	56		48	125

Surrogate Summary

SW-846

SDG No.: Q1914

Client: CDM Smith

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB167803BL	PB167803BL	Nitrobenzene-d5	100	85.9	86		18	107
		2-Fluorobiphenyl	100	82.7	83		20	109
		Terphenyl-d14	100	96.4	96		10	105
PB167803BS	PB167803BS	Nitrobenzene-d5	100	75.1	75		18	107
		2-Fluorobiphenyl	100	73.7	74		20	109
		Terphenyl-d14	100	76.9	77		10	105
Q1914-01	SS-1	Nitrobenzene-d5	100	51.5	51		18	107
		2-Fluorobiphenyl	100	49.8	50		20	109
		Terphenyl-d14	100	49.4	49		10	105
Q1914-02	SS-91	Nitrobenzene-d5	100	81.8	82		18	107
		2-Fluorobiphenyl	100	77.3	77		20	109
		Terphenyl-d14	100	79.8	80		10	105
Q1914-03	SS-2	Nitrobenzene-d5	100	42.7	43		18	107
		2-Fluorobiphenyl	100	37.5	38		20	109
		Terphenyl-d14	100	38.2	38		10	105
Q1914-04	SS-3	Nitrobenzene-d5	100	52.5	52		18	107
		2-Fluorobiphenyl	100	49.2	49		20	109
		Terphenyl-d14	100	48.9	49		10	105
Q1914-05	SS-4	Nitrobenzene-d5	100	41.7	42		18	107
		2-Fluorobiphenyl	100	38.3	38		20	109
		Terphenyl-d14	100	35.7	36		10	105
Q1914-06	SS-5	Nitrobenzene-d5	100	41.6	42		18	107
		2-Fluorobiphenyl	100	40.5	41		20	109
		Terphenyl-d14	100	38.1	38		10	105
Q1914-07	SS-6	Nitrobenzene-d5	100	64.5	64		18	107
		2-Fluorobiphenyl	100	57.5	58		20	109
		Terphenyl-d14	100	58.4	58		10	105
Q1914-08	SS-7	Nitrobenzene-d5	100	72.3	72		18	107
		2-Fluorobiphenyl	100	40.2	40		20	109
		Terphenyl-d14	100	44.5	44		10	105
Q1914-09	SS-8	Nitrobenzene-d5	100	138	138	*	18	107
		2-Fluorobiphenyl	100	54.6	55		20	109
		Terphenyl-d14	100	55.5	55		10	105
Q1914-10MS	SS-8MS	Nitrobenzene-d5	100	91.0	91		18	107
		2-Fluorobiphenyl	100	44.7	45		20	109
		Terphenyl-d14	100	41.4	41		10	105
Q1914-11MSD	SS-8MSD	Nitrobenzene-d5	100	94.8	95		18	107
		2-Fluorobiphenyl	100	48.5	48		20	109
		Terphenyl-d14	100	43.2	43		10	105
Q1914-12	SS-9	Nitrobenzene-d5	100	37.5	37		18	107
		2-Fluorobiphenyl	100	35.9	36		20	109
		Terphenyl-d14	100	35.9	36		10	105

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1914

Client: CDM Smith

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		
Naphthalene	1800	2000	3200	ug/Kg	67	*			72	110	
Acenaphthylene	1800	0	1300	ug/Kg	72	*			79	118	
Acenaphthene	1800	190	1400	ug/Kg	67	*			70	121	
Fluorene	1800	0	1600	ug/Kg	89				68	116	
Phenanthrene	1800	1400	2500	ug/Kg	61				52	128	
Anthracene	1800	220	1600	ug/Kg	77				62	124	
Fluoranthene	1800	2000	3100	ug/Kg	61				44	125	
Pyrene	1800	1800	2600	ug/Kg	44				26	142	
Benzo(a)anthracene	1800	930	2200	ug/Kg	71				71	114	
Chrysene	1800	860	2100	ug/Kg	69				57	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	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1914

Client: CDM Smith

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		
Naphthalene	1800	2000	3300	ug/Kg	72		7		72	110	20
Acenaphthylene	1800	0	1400	ug/Kg	78	*	8		79	118	20
Acenaphthene	1800	190	1500	ug/Kg	73		9		70	121	20
Fluorene	1800	0	1700	ug/Kg	94		5		68	116	20
Phenanthrene	1800	1400	2500	ug/Kg	61		0		52	128	20
Anthracene	1800	220	1700	ug/Kg	82		6		62	124	20
Fluoranthene	1800	2000	3100	ug/Kg	61		0		44	125	20
Pyrene	1800	1800	2700	ug/Kg	50		13		26	142	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
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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1914

Client: CDM Smith

Analytical Method: 8270E

DataFile: BF142252.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB167798BS	Naphthalene	50	40.4	ug/L	81				64	107		
	Acenaphthylene	50	41.2	ug/L	82				79	103		
	Acenaphthene	50	43.9	ug/L	88				59	113		
	Fluorene	50	41.1	ug/L	82				64	107		
	Phenanthrene	50	40.0	ug/L	80				62	109		
	Anthracene	50	40.9	ug/L	82				65	110		
	Fluoranthene	50	41.9	ug/L	84				64	110		
	Pyrene	50	42.9	ug/L	86				71	103		
	Benzo(a)anthracene	50	41.2	ug/L	82				62	107		
	Chrysene	50	43.6	ug/L	87				61	108		
	Benzo(k)fluoranthene	50	39.7	ug/L	79				77	105		
	Benzo(a)pyrene	50	42.5	ug/L	85				72	131		
	Indeno(1,2,3-cd)pyrene	50	42.2	ug/L	84				72	105		
	Dibenz(a,h)anthracene	50	42.3	ug/L	85				78	115		
	Benzo(g,h,i)perylene	50	42.0	ug/L	84				75	118		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1914

Client: CDM Smith

Analytical Method: 8270E DataFile: BF142253.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		
							Qual	Qual	Low	High	RPD
PB167798BSD	Naphthalene	50	39.8	ug/L	80	1			64	107	20
	Acenaphthylene	50	40.8	ug/L	82	1			79	103	20
	Acenaphthene	50	44.0	ug/L	88	0			59	113	20
	Fluorene	50	40.7	ug/L	81	1			64	107	20
	Phenanthrene	50	40.7	ug/L	81	2			62	109	20
	Anthracene	50	41.3	ug/L	83	1			65	110	20
	Fluoranthene	50	41.8	ug/L	84	0			64	110	20
	Pyrene	50	43.0	ug/L	86	0			71	103	20
	Benzo(a)anthracene	50	41.3	ug/L	83	0			62	107	20
	Chrysene	50	43.0	ug/L	86	1			61	108	20
	Benzo(k)fluoranthene	50	44.5	ug/L	89	11			77	105	20
	Benzo(a)pyrene	50	42.6	ug/L	85	0			72	131	20
	Indeno(1,2,3-cd)pyrene	50	42.8	ug/L	86	1			72	105	20
	Dibenz(a,h)anthracene	50	43.0	ug/L	86	2			78	115	20
	Benzo(g,h,i)perylene	50	43.1	ug/L	86	3			75	118	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1914

Client: CDM Smith

Analytical Method: 8270E

DataFile: BM050081.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB167803BS	Naphthalene	1700	1400	ug/Kg	82				62	100	
	Acenaphthylene	1700	1400	ug/Kg	82				63	101	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	Fluorene	1700	1400	ug/Kg	82				61	101	
	Phenanthrene	1700	1400	ug/Kg	82				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	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	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167798BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q1914

SAS No.: Q1914 SDG NO.: Q1914

Lab File ID: BF142251.D

Lab Sample ID: PB167798BL

Instrument ID: BNA_F

Date Extracted: 04/30/2025

Matrix: (soil/water) Water

Date Analyzed: 05/01/2025

Level: (low/med) LOW

Time Analyzed: 10:45

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167798BS	PB167798BS	BF142252.D	05/01/2025
PB167798BSD	PB167798BSD	BF142253.D	05/01/2025
FB04282025	Q1914-14	BF142259.D	05/01/2025

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167803BL

Lab Name: CHEMTECH

Contract: CAMP02

Lab Code: CHEM Case No.: Q1914

SAS No.: Q1914 SDG NO.: Q1914

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-8	Q1914-09	BM050082.D	05/02/2025
SS-8MS	Q1914-10MS	BM050083.D	05/02/2025
SS-8MSD	Q1914-11MSD	BM050084.D	05/02/2025
SS-7	Q1914-08	BM050089.D	05/02/2025
SS-9	Q1914-12	BM050099.D	05/05/2025
SS-5	Q1914-06	BM050106.D	05/05/2025
SS-3	Q1914-04	BM050107.D	05/05/2025
SS-6	Q1914-07	BP024520.D	05/02/2025
SS-1	Q1914-01	BM050066.D	05/01/2025
SS-91	Q1914-02	BM050067.D	05/01/2025
SS-2	Q1914-03	BM050071.D	05/01/2025
SS-4	Q1914-05	BM050072.D	05/01/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: CAMP02Lab Code: CHEMSAS No.: Q1914 SDG NO.: Q1914Lab File ID: BF142238.DDFTPP Injection Date: 04/30/2025Instrument ID: BNA_FDFTPP Injection Time: 10:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	32.6
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	27.3
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	37.1
197	Less than 2.0% of mass 198	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.3
275	10.0 - 60.0% of mass 198	22.8
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.9 (19.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142239.D	04/30/2025	11:24
SSTDICC005	SSTDICC005	BF142240.D	04/30/2025	11:52
SSTDICC010	SSTDICC010	BF142241.D	04/30/2025	12:20
SSTDICC020	SSTDICC020	BF142242.D	04/30/2025	12:49
SSTDICCC040	SSTDICCC040	BF142243.D	04/30/2025	13:17
SSTDICC050	SSTDICC050	BF142244.D	04/30/2025	13:46
SSTDICC060	SSTDICC060	BF142245.D	04/30/2025	14:15
SSTDICC080	SSTDICC080	BF142246.D	04/30/2025	14:43



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: CAMP02Lab Code: CHEMSAS No.: Q1914 SDG NO.: Q1914Lab File ID: BF142249.DDFTPP Injection Date: 05/01/2025Instrument ID: BNA_FDFTPP Injection Time: 09:48

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.4
68	Less than 2.0% of mass 69	0.5 (1.6) 1
69	Mass 69 relative abundance	31.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	42.4
197	Less than 2.0% of mass 198	0.6
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.9
275	10.0 - 60.0% of mass 198	23.8
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142250.D	05/01/2025	10:17
PB167798BL	PB167798BL	BF142251.D	05/01/2025	10:45
PB167798BS	PB167798BS	BF142252.D	05/01/2025	11:13
PB167798BSD	PB167798BSD	BF142253.D	05/01/2025	11:42
FB04282025	Q1914-14	BF142259.D	05/01/2025	14:37



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: CAMP02Lab Code: CHEMSAS No.: Q1914 SDG NO.: Q1914Lab 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: CAMP02Lab Code: CHEMSAS No.: Q1914 SDG NO.: Q1914Lab 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
SS-1	Q1914-01	BM050066.D	05/01/2025	16:05
SS-91	Q1914-02	BM050067.D	05/01/2025	16:44
SS-2	Q1914-03	BM050071.D	05/01/2025	19:20
SS-4	Q1914-05	BM050072.D	05/01/2025	20:00



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: CAMP02Lab Code: CHEMSAS No.: Q1914 SDG NO.: Q1914Lab 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-8	Q1914-09	BM050082.D	05/02/2025	12:41
SS-8MS	Q1914-10MS	BM050083.D	05/02/2025	13:20
SS-8MSD	Q1914-11MSD	BM050084.D	05/02/2025	14:00
SS-7	Q1914-08	BM050089.D	05/02/2025	17:17



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: CAMP02Lab Code: CHEMSAS No.: Q1914 SDG NO.: Q1914Lab 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
SS-9	Q1914-12	BM050099.D	05/05/2025	15:03
SS-5	Q1914-06	BM050106.D	05/05/2025	19:37
SS-3	Q1914-04	BM050107.D	05/05/2025	20:16



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: CAMP02Lab Code: CHEMSAS No.: Q1914 SDG NO.: Q1914Lab File ID: BP024274.DDFTPP Injection Date: 04/14/2025Instrument ID: BNA_PDFTPP Injection Time: 10:25

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	30.4
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	36
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	48.5
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 60.0% of mass 198	29.1
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	99.1
443	15.0 - 24.0% of mass 442	19.2 (19.4) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BP024275.D	04/14/2025	11:06
SSTDICC005	SSTDICC005	BP024276.D	04/14/2025	11:47
SSTDICC010	SSTDICC010	BP024277.D	04/14/2025	12:27
SSTDICC020	SSTDICC020	BP024278.D	04/14/2025	13:08
SSTDICCC040	SSTDICCC040	BP024279.D	04/14/2025	13:49
SSTDICC050	SSTDICC050	BP024280.D	04/14/2025	15:10
SSTDICC060	SSTDICC060	BP024281.D	04/14/2025	16:32
SSTDICC080	SSTDICC080	BP024282.D	04/14/2025	17:13



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: CAMP02Lab Code: CHEMSAS No.: Q1914 SDG NO.: Q1914Lab File ID: BP024503.DDFTPP Injection Date: 05/02/2025Instrument ID: BNA_PDFTPP Injection Time: 10:47

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	24.3
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	26.8
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	38.3
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.5
275	10.0 - 60.0% of mass 198	26
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (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	BP024504.D	05/02/2025	11:27
SS-6	Q1914-07	BP024520.D	05/02/2025	22:27

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG NO.: Q1914

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

Lab File ID: BF142250.D Time Analyzed: 10:17

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	186578	6.91	719586	8.19	381198	9.95
UPPER LIMIT	373156	7.41	1439170	8.692	762396	10.445
LOWER LIMIT	93289	6.41	359793	7.692	190599	9.445
EPA SAMPLE NO.						
01 PB167798BL	227901	6.90	877397	8.19	467254	9.95
02 PB167798BS	225762	6.91	889454	8.19	464234	9.95
03 PB167798BSD	228844	6.91	895505	8.19	472033	9.95
04 FB04282025	209525	6.90	791724	8.19	383707	9.94

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.: Q1914 SAS No.: Q1914 SDG NO.: Q1914

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

Lab File ID: BF142250.D Time Analyzed: 10:17

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	647816	11.433	384442	14.074	349272	15.562
UPPER LIMIT	1295630	11.933	768884	14.574	698544	16.062
LOWER LIMIT	323908	10.933	192221	13.574	174636	15.062
EPA SAMPLE NO.						
01 PB167798BL	826787	11.43	587490	14.07	406867	15.56
02 PB167798BS	800889	11.43	447227	14.07	448663	15.56
03 PB167798BSD	796412	11.43	445019	14.07	441873	15.56
04 FB04282025	539331	11.43	446045	14.06	456057	15.56

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.: Q1914 SAS No.: Q1914 SDG NO.: Q1914

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 SS-4	266849	7.75	987063	10.54	682416	14.39
02 SS-1	239935	7.75	828165	10.54	540888	14.39
03 SS-91	241297	7.75	826545	10.54	542720	14.39
04 SS-2	275696	7.75	997778	10.54	688876	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.: Q1914 SAS No.: Q1914 SDG NO.: Q1914

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	SS-4	1413670	17.14	1410220	21.38	1421530	24.37
02	SS-1	1067810	17.14	1100860	21.38	1221360	24.37
03	SS-91	1075470	17.14	1169710	21.38	1275490	24.37
04	SS-2	1445780	17.14	1428820	21.38	1491420	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.: Q1914 SAS No.: Q1914 SDG NO.: Q1914

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-7	450043	7.75	1023590	10.56	947352	14.41
04 SS-8	344484	7.75	630857	10.56	706415	14.42
05 SS-8MS	315345	7.75	672358	10.56	611965	14.41
06 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.: Q1914 SAS No.: Q1914 SDG NO.: Q1914

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-7	1897250	17.16	1412130	21.39	1490250	24.38
04 SS-8	1174130	17.16	1218530	21.39	1375320	24.37
05 SS-8MS	1130510	17.16	1268700	21.39	1417440	24.37
06 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.: Q1914 SAS No.: Q1914 SDG NO.: Q1914

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 SS-5	357595	7.75	1220330	10.54	725121	14.40
02 SS-9	354451	7.75	1254840	10.54	826535	14.39
03 SS-3	368852	7.75	1311010	10.54	867173	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.: Q1914 SAS No.: Q1914 SDG NO.: Q1914

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 SS-5	1422910	17.15	1469030	21.39	1573720	24.37
02 SS-9	1612550	17.14	1455810	21.39	1490530	24.37
03 SS-3	1719610	17.14	1608470	21.39	1592320	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.: Q1914 SAS No.: Q1914 SDG NO.: Q1914

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

Lab File ID: BP024504.D Time Analyzed: 11:27

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	129550	7.71	549706	10.48	360102	14.34
UPPER LIMIT	259100	8.21	1099410	10.981	720204	14.84
LOWER LIMIT	64775	7.21	274853	9.981	180051	13.84
EPA SAMPLE NO.						
01 SS-6	170544	7.71	657655	10.49	442093	14.35

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.: Q1914 SAS No.: Q1914 SDG NO.: Q1914

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

Lab File ID: BP024504.D Time Analyzed: 11:27

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	708711	17.145	795052	21.598	924354	24.945
UPPER LIMIT	1417420	17.645	1590100	22.098	1848710	25.445
LOWER LIMIT	354356	16.645	397526	21.098	462177	24.445
EPA SAMPLE NO.						
01 SS-6	835247	17.15	983824	21.59	1181270	24.94

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:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-1	SDG No.:	Q1914
Lab Sample ID:	Q1914-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.7
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BM050066.D	1	04/30/25 11:00	05/01/25 16:05	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	190	U	25.5	190	ug/Kg
208-96-8	Acenaphthylene	190	U	32.5	190	ug/Kg
83-32-9	Acenaphthene	190	U	24.0	190	ug/Kg
86-73-7	Fluorene	190	U	28.5	190	ug/Kg
85-01-8	Phenanthrene	190	U	23.5	190	ug/Kg
120-12-7	Anthracene	190	U	37.5	190	ug/Kg
206-44-0	Fluoranthene	190	U	33.8	190	ug/Kg
129-00-0	Pyrene	190	U	40.5	190	ug/Kg
56-55-3	Benzo(a)anthracene	190	U	25.9	190	ug/Kg
218-01-9	Chrysene	190	U	22.4	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	U	25.2	190	ug/Kg
50-32-8	Benzo(a)pyrene	190	U	33.2	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	U	32.7	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	U	30.8	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	190	U	28.9	190	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	51.5		18 - 107	51%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.8		20 - 109	50%	SPK: 100
1718-51-0	Terphenyl-d14	49.4		10 - 105	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	240000	7.745			
1146-65-2	Naphthalene-d8	828000	10.539			
15067-26-2	Acenaphthene-d10	541000	14.392			
1517-22-2	Phenanthrene-d10	1070000	17.139			
1719-03-5	Chrysene-d12	1100000	21.38			
1520-96-3	Perylene-d12	1220000	24.374			

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-1	SDG No.:	Q1914
Lab Sample ID:	Q1914-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	88.7
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Final Vol:	1000
		Test:	SVOCMS Group3
		Level :	LOW
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050066.D	1	04/30/25 11:00	05/01/25 16:05	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050066.D
 Acq On : 01 May 2025 16:05
 Operator : RC/JU
 Sample : Q1914-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-1

Quant Time: May 01 16:44:51 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)

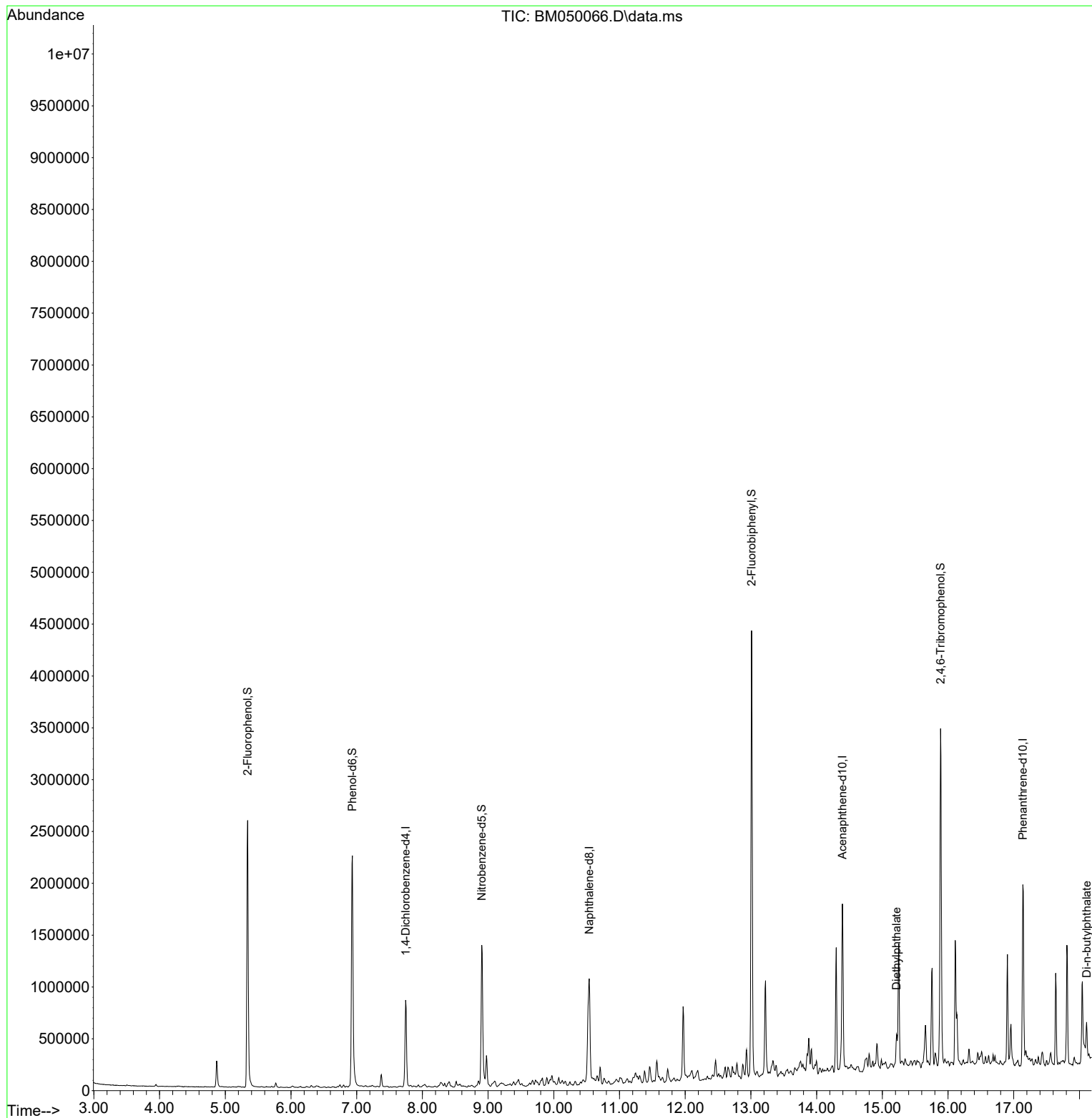
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	239935	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	828165	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	540888	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1067812	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1100864	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1221356	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1164460	84.984	ng	-0.02
7) Phenol-d6	6.934	99	1462699	84.933	ng	-0.02
23) Nitrobenzene-d5	8.904	82	864877	51.461	ng	-0.02
42) 2,4,6-Tribromophenol	15.886	330	673555	84.218	ng	-0.02
45) 2-Fluorobiphenyl	13.010	172	2275635	49.771	ng	-0.02
79) Terphenyl-d14	19.768	244	3673095	49.372	ng	-0.01
Target Compounds						
60) Diethylphthalate	15.215	149	236705	6.355	ng	99
74) Di-n-butylphthalate	18.109	149	327560	5.201	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050066.D
Acq On : 01 May 2025 16:05
Operator : RC/JU
Sample : Q1914-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-1

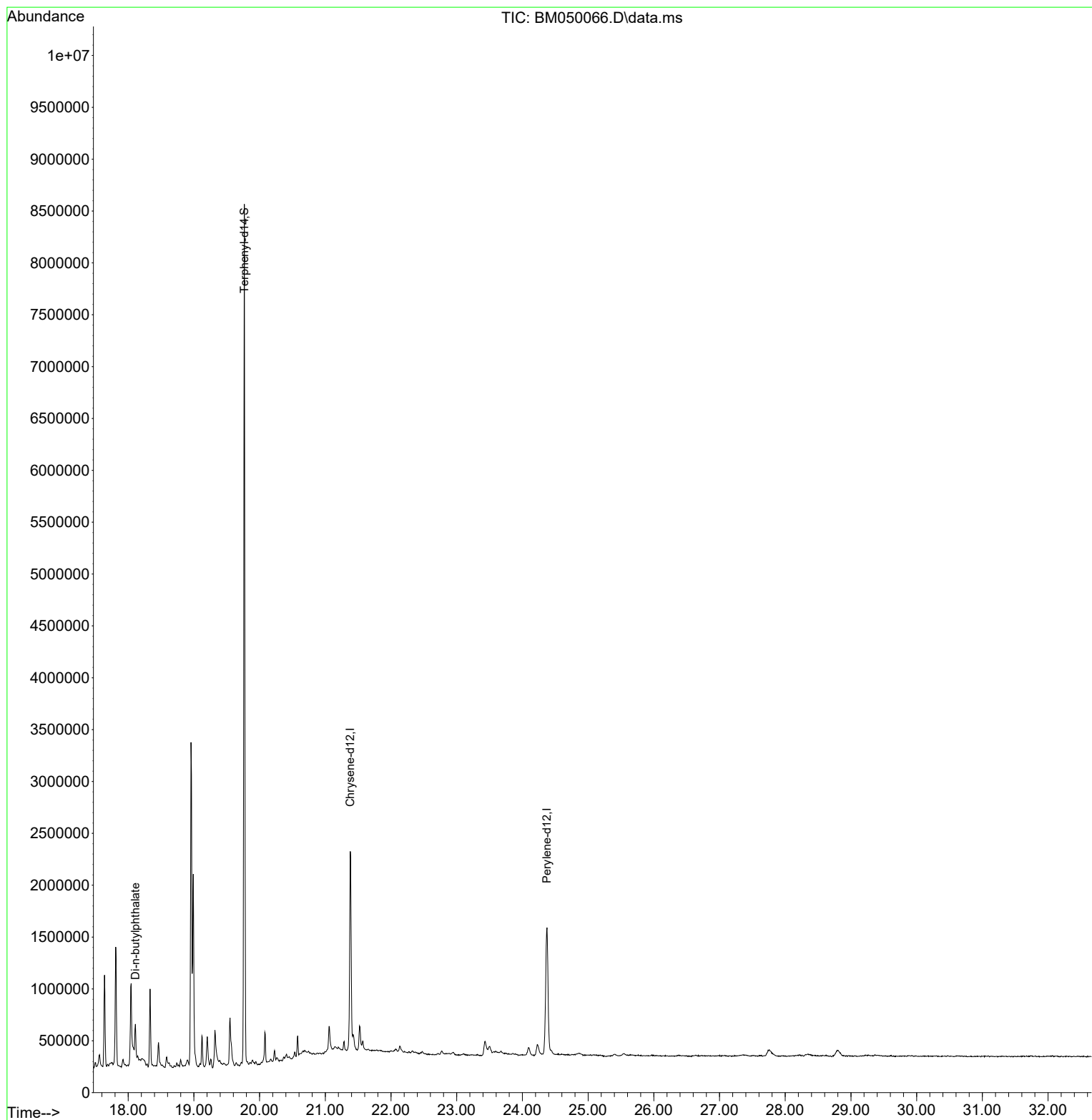
Quant Time: May 01 16:44:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

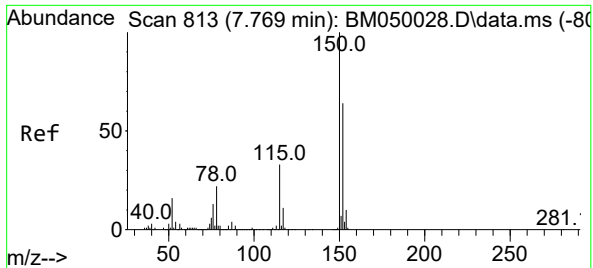


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050066.D
Acq On : 01 May 2025 16:05
Operator : RC/JU
Sample : Q1914-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-1

Quant Time: May 01 16:44:51 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

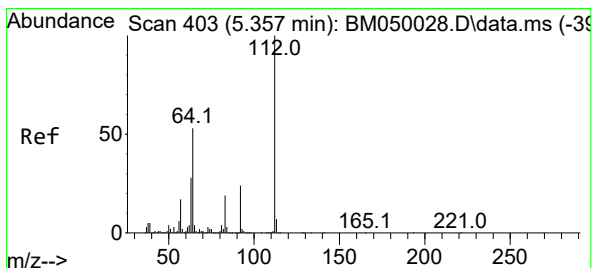
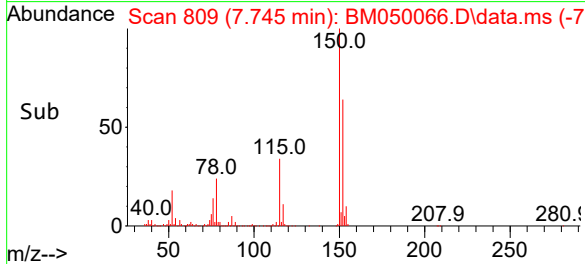
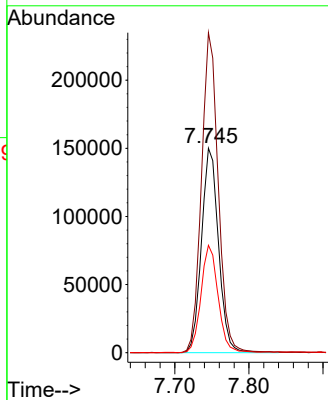
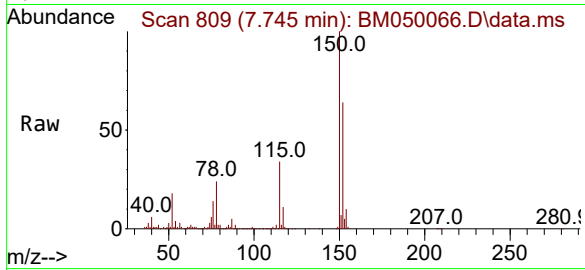




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050066.D
Acq: 01 May 2025 16:05

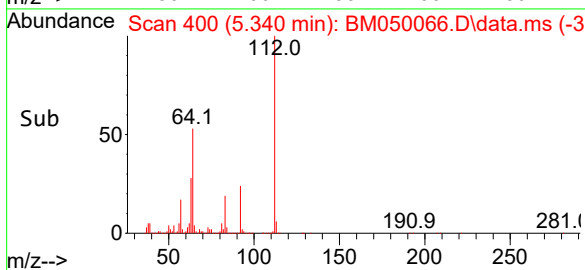
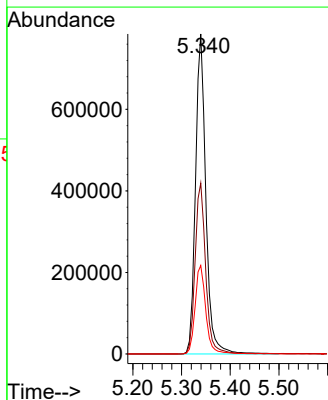
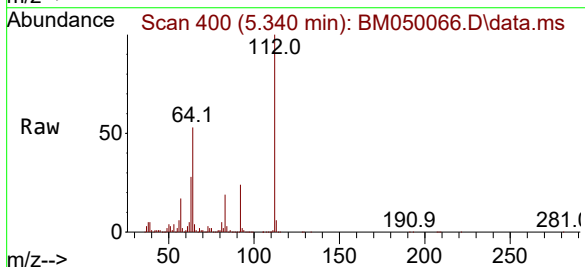
Instrument :
BNA_M
ClientSampleId :
SS-1

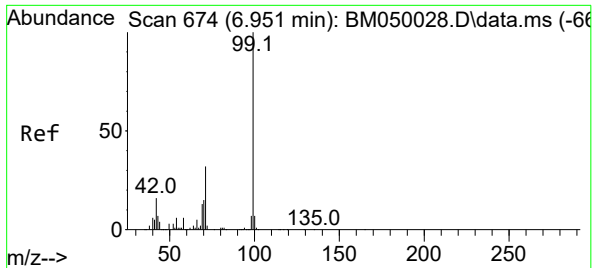
Tgt Ion:152 Resp: 239935
Ion Ratio Lower Upper
152 100
150 156.5 124.1 186.1
115 52.5 41.2 61.8



#5
2-Fluorophenol
Concen: 84.984 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050066.D
Acq: 01 May 2025 16:05

Tgt Ion:112 Resp: 1164460
Ion Ratio Lower Upper
112 100
64 53.4 42.6 64.0
63 27.6 22.2 33.4

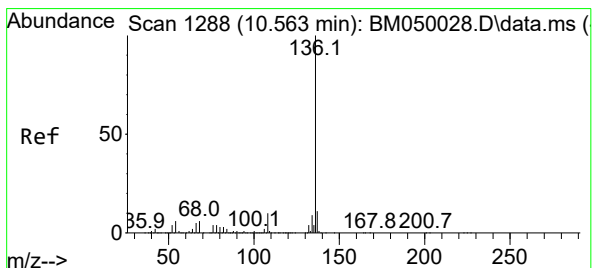
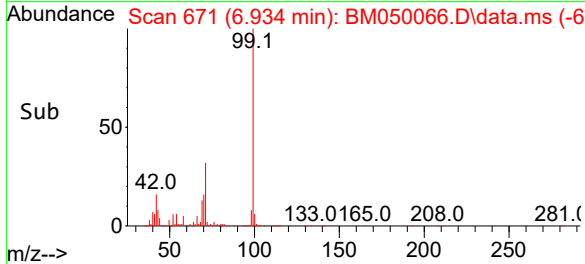
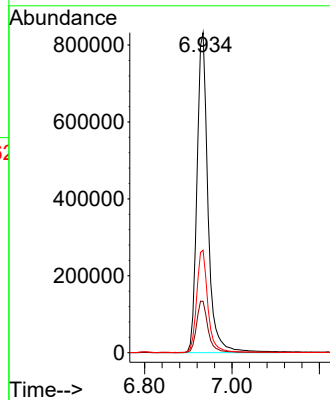
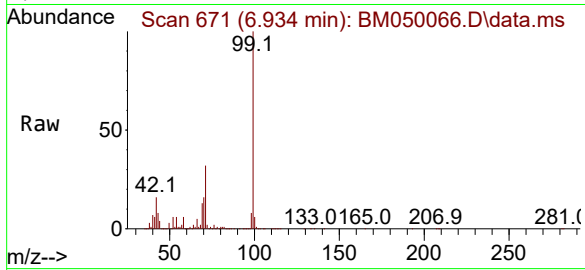




#7
Phenol-d6
Concen: 84.933 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050066.D
Acq: 01 May 2025 16:05

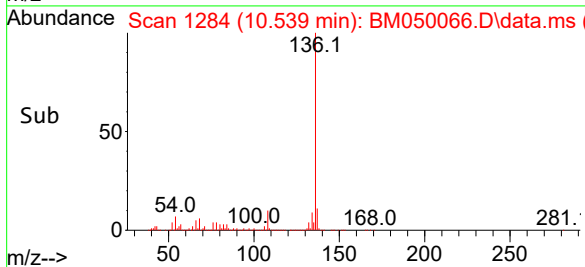
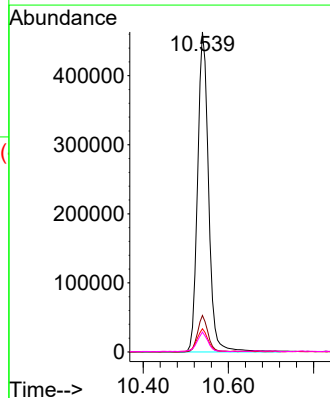
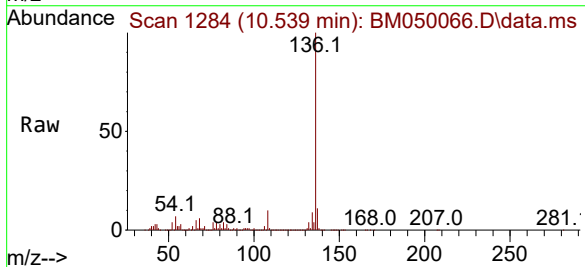
Instrument :
BNA_M
ClientSampleId :
SS-1

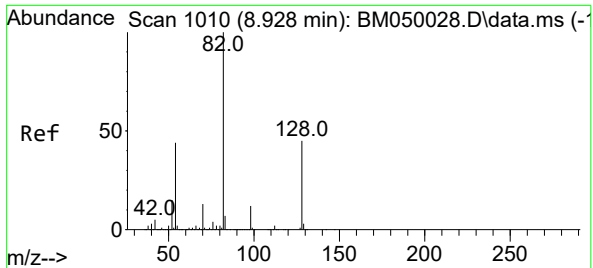
Tgt Ion: 99 Resp: 1462699
Ion Ratio Lower Upper
99 100
42 16.0 13.0 19.4
71 32.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050066.D
Acq: 01 May 2025 16:05

Tgt Ion: 136 Resp: 828165
Ion Ratio Lower Upper
136 100
137 11.4 8.9 13.3
54 7.3 5.1 7.7
68 6.2 4.4 6.6

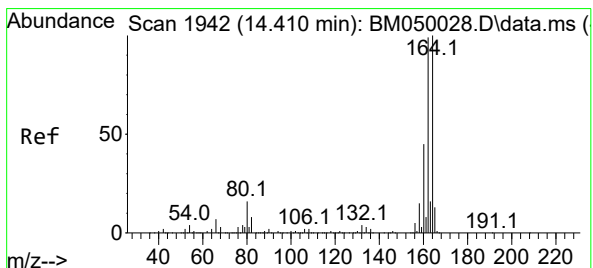
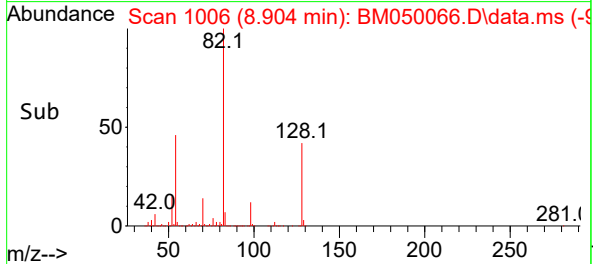
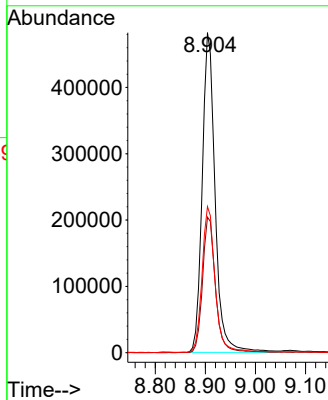
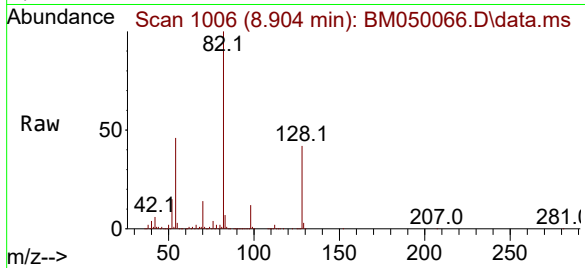




#23
Nitrobenzene-d5
Concen: 51.461 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050066.D
Acq: 01 May 2025 16:05

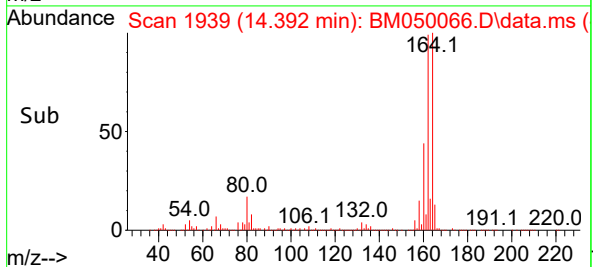
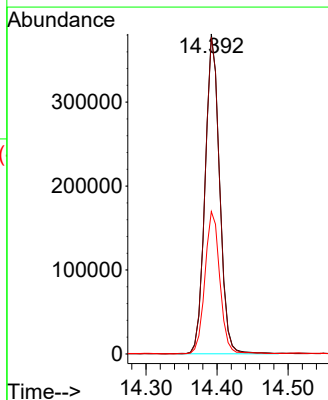
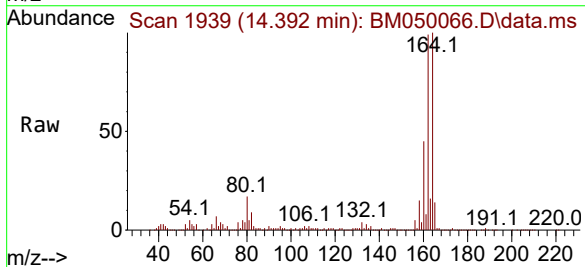
Instrument :
BNA_M
ClientSampleId :
SS-1

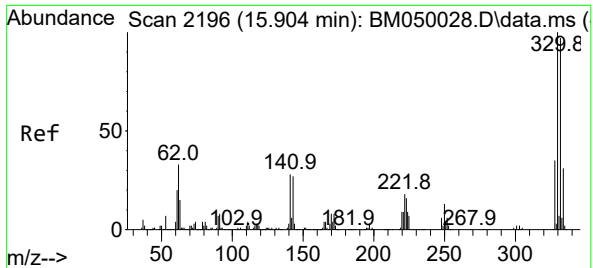
Tgt Ion: 82 Resp: 864877
Ion Ratio Lower Upper
82 100
128 42.3 35.7 53.5
54 45.6 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050066.D
Acq: 01 May 2025 16:05

Tgt Ion: 164 Resp: 540888
Ion Ratio Lower Upper
164 100
162 99.0 79.4 119.0
160 44.5 36.2 54.4

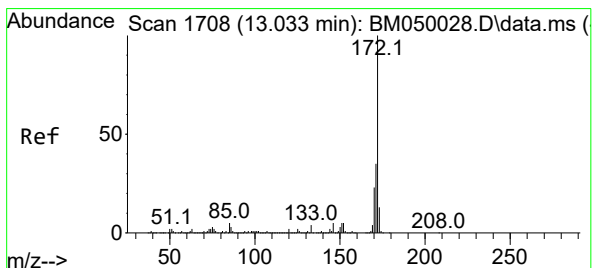
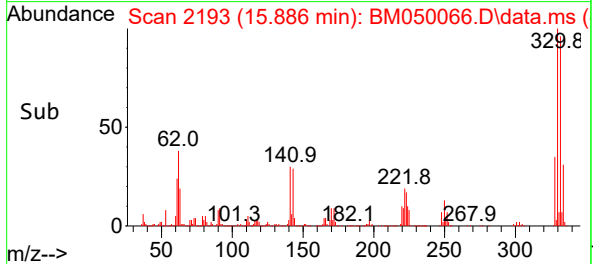
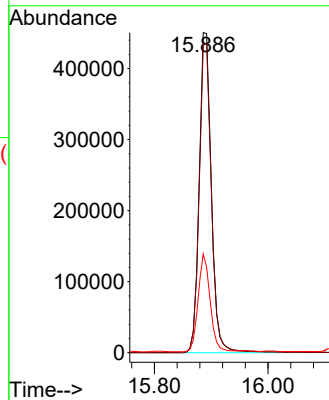
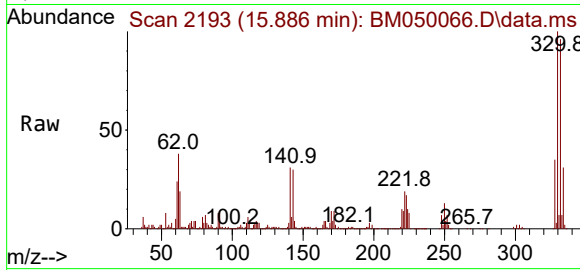




#42
2,4,6-Tribromophenol
Concen: 84.218 ng
RT: 15.886 min Scan# 2193
Delta R.T. -0.018 min
Lab File: BM050066.D
Acq: 01 May 2025 16:05

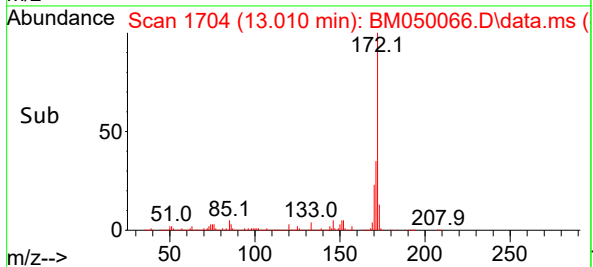
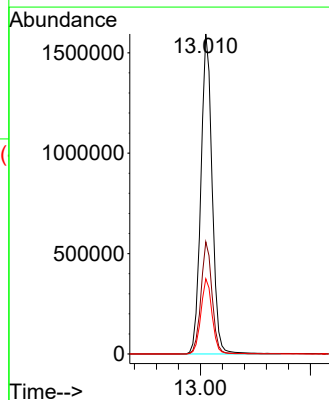
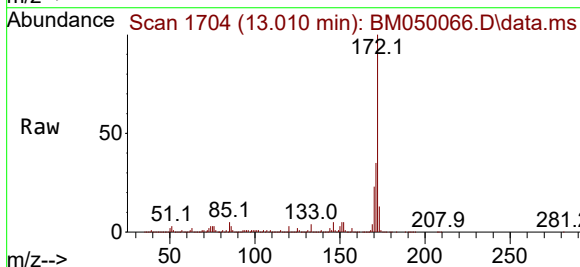
Instrument :
BNA_M
ClientSampleId :
SS-1

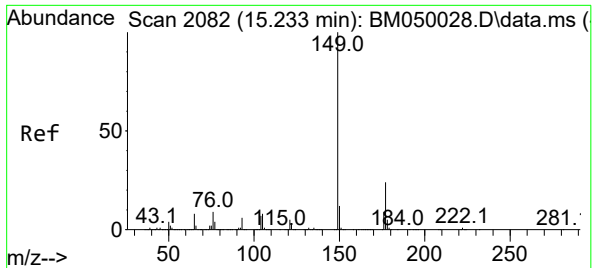
Tgt Ion:330 Resp: 673555
Ion Ratio Lower Upper
330 100
332 96.7 77.3 115.9
141 29.8 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 49.771 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050066.D
Acq: 01 May 2025 16:05

Tgt Ion:172 Resp: 2275635
Ion Ratio Lower Upper
172 100
171 35.1 27.8 41.6
170 23.5 18.6 28.0

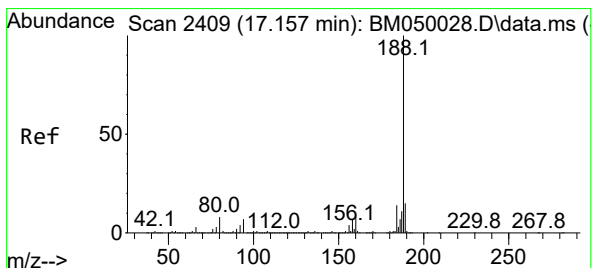
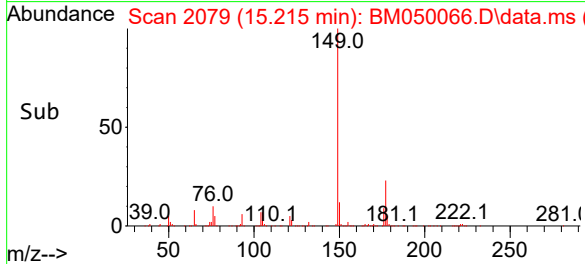
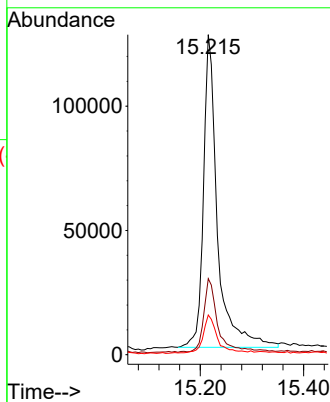
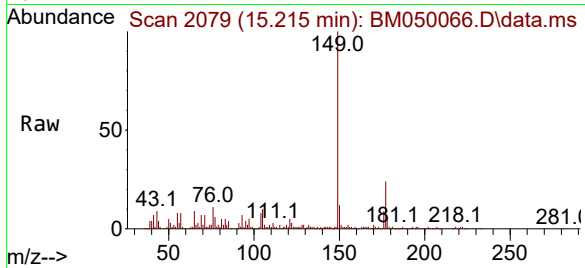




#60
Diethylphthalate
Concen: 6.355 ng
RT: 15.215 min Scan# 2082
Delta R.T. -0.018 min
Lab File: BM050066.D
Acq: 01 May 2025 16:05

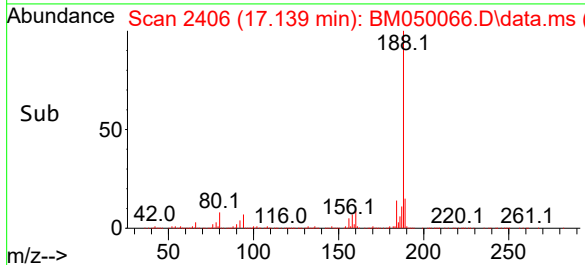
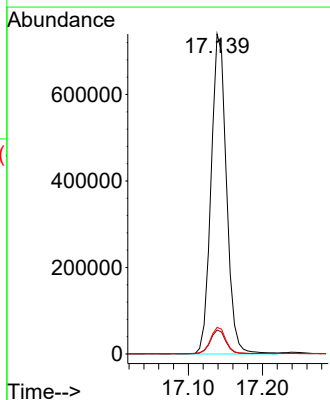
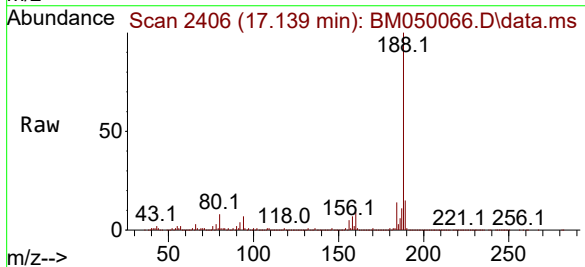
Instrument :
BNA_M
ClientSampleId :
SS-1

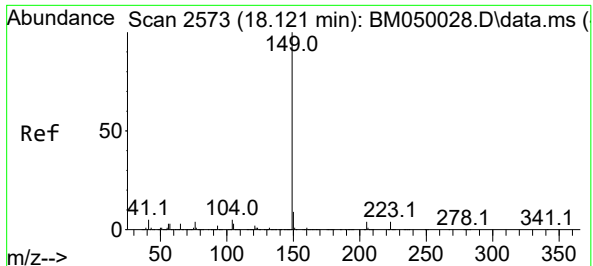
Tgt Ion:149 Resp: 236705
Ion Ratio Lower Upper
149 100
177 23.7 19.1 28.7
150 12.4 9.6 14.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050066.D
Acq: 01 May 2025 16:05

Tgt Ion:188 Resp: 1067812
Ion Ratio Lower Upper
188 100
94 7.5 5.7 8.5
80 8.3 6.2 9.4

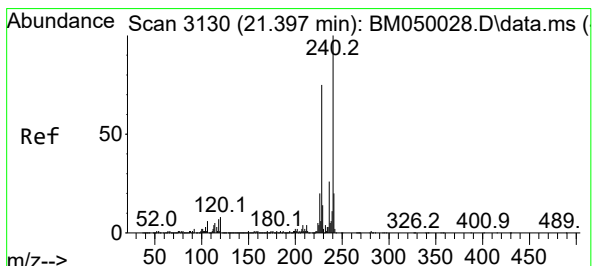
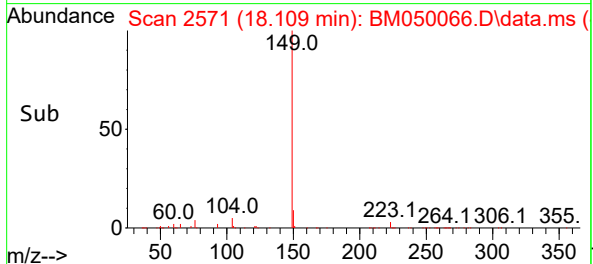
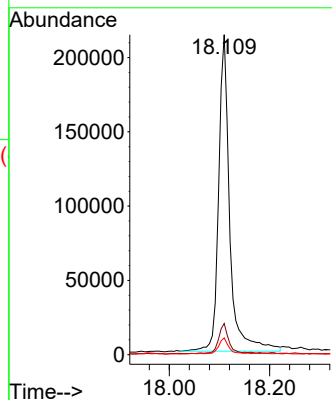
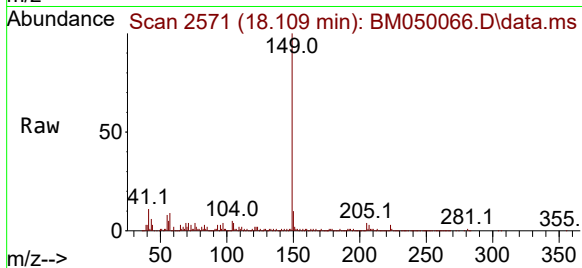




#74
Di-n-butylphthalate
Concen: 5.201 ng
RT: 18.109 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050066.D
Acq: 01 May 2025 16:05

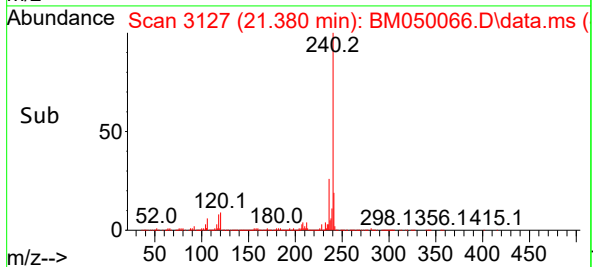
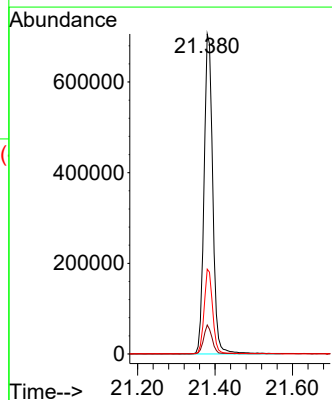
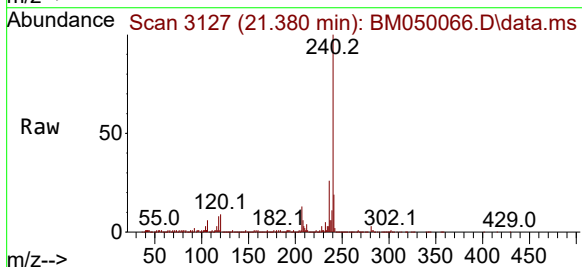
Instrument :
BNA_M
ClientSampleId :
SS-1

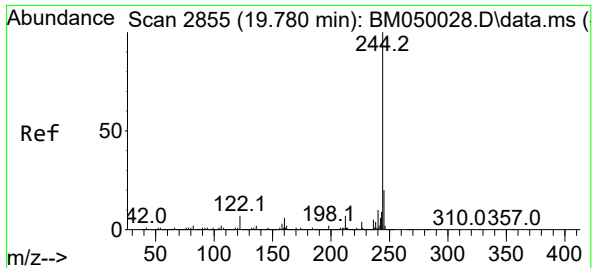
Tgt Ion:149 Resp: 327560
Ion Ratio Lower Upper
149 100
150 9.8 7.3 10.9
104 5.3 3.8 5.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM050066.D
Acq: 01 May 2025 16:05

Tgt Ion:240 Resp: 1100864
Ion Ratio Lower Upper
240 100
120 9.1 6.5 9.7
236 26.5 20.9 31.3

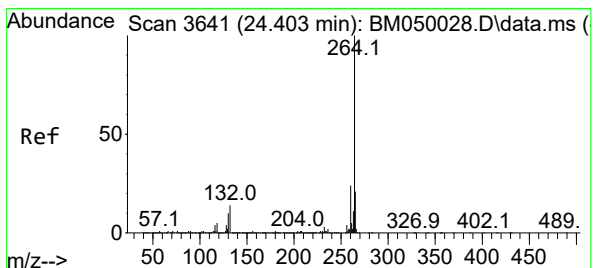
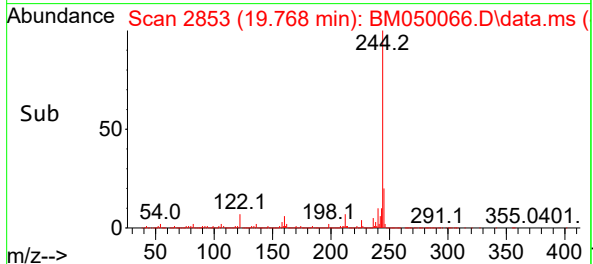
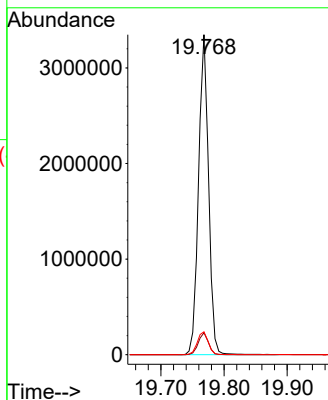
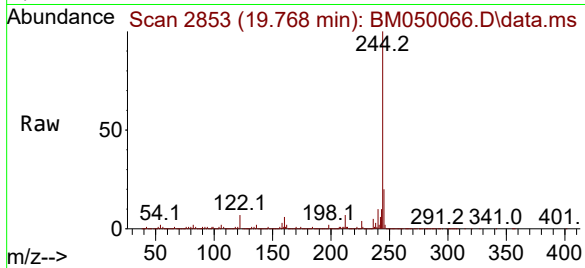




#79
Terphenyl-d14
Concen: 49.372 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050066.D
Acq: 01 May 2025 16:05

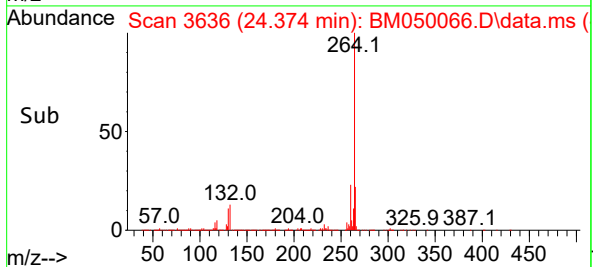
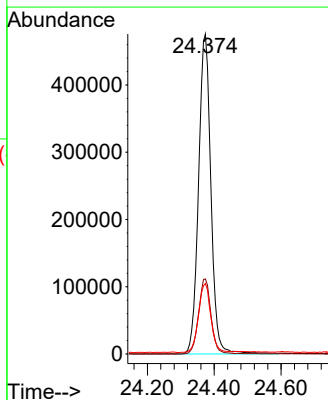
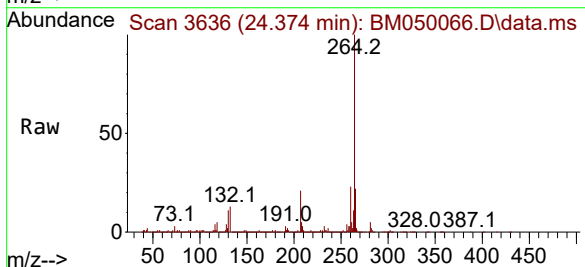
Instrument :
BNA_M
ClientSampleId :
SS-1

Tgt Ion:244 Resp: 3673095
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 7.1 5.6 8.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 3636
Delta R.T. -0.030 min
Lab File: BM050066.D
Acq: 01 May 2025 16:05

Tgt Ion:264 Resp: 1221356
Ion Ratio Lower Upper
264 100
260 23.5 18.8 28.2
265 22.0 17.0 25.4



Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-91	SDG No.:	Q1914
Lab Sample ID:	Q1914-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BM050067.D	1	04/30/25 11:00	05/01/25 16:44	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	200	U	26.2	200	ug/Kg
208-96-8	Acenaphthylene	200	U	33.4	200	ug/Kg
83-32-9	Acenaphthene	200	U	24.6	200	ug/Kg
86-73-7	Fluorene	200	U	29.2	200	ug/Kg
85-01-8	Phenanthrene	200	U	24.1	200	ug/Kg
120-12-7	Anthracene	200	U	38.5	200	ug/Kg
206-44-0	Fluoranthene	82.5	J	34.7	200	ug/Kg
129-00-0	Pyrene	200	U	41.6	200	ug/Kg
56-55-3	Benzo(a)anthracene	200	U	26.6	200	ug/Kg
218-01-9	Chrysene	200	U	23.0	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	200	U	25.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	200	U	34.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200	U	33.6	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	200	U	31.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	200	U	29.7	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	81.8		18 - 107	82%	SPK: 100
321-60-8	2-Fluorobiphenyl	77.3		20 - 109	77%	SPK: 100
1718-51-0	Terphenyl-d14	79.8		10 - 105	80%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	241000		7.745		
1146-65-2	Naphthalene-d8	827000		10.539		
15067-26-2	Acenaphthene-d10	543000		14.392		
1517-22-2	Phenanthrene-d10	1080000		17.139		
1719-03-5	Chrysene-d12	1170000		21.38		
1520-96-3	Perylene-d12	1280000		24.374		

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-91	SDG No.:	Q1914
Lab Sample ID:	Q1914-02	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BM050067.D	1	04/30/25 11:00	05/01/25 16:44	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050067.D
 Acq On : 01 May 2025 16:44
 Operator : RC/JU
 Sample : Q1914-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-91

Quant Time: May 01 18:06:39 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)

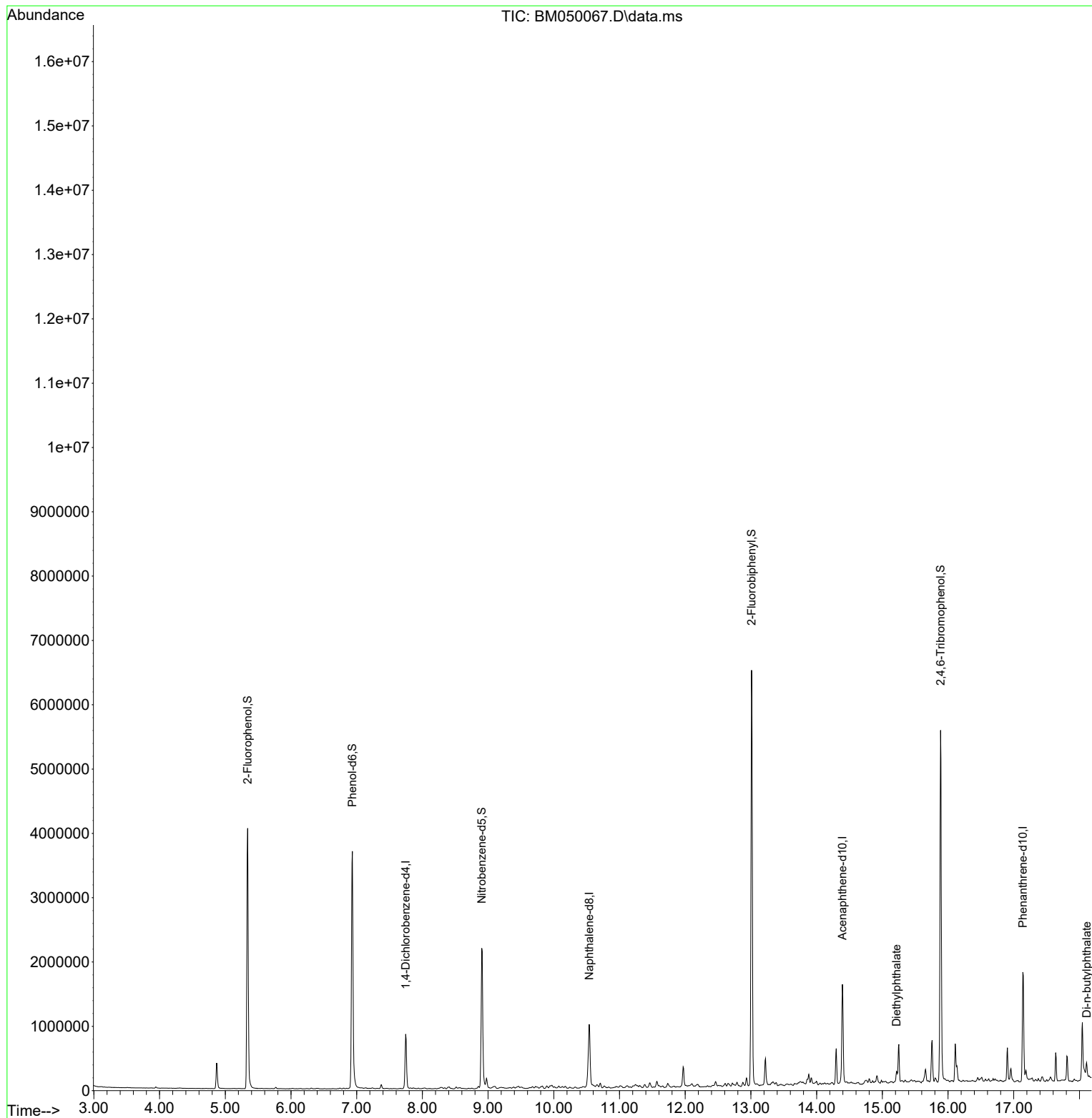
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	241297	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	826545	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	542720	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1075472	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1169707	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1275485	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1842545	133.712	ng	-0.02
7) Phenol-d6	6.934	99	2344634	135.375	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1372632	81.833	ng	-0.02
42) 2,4,6-Tribromophenol	15.886	330	1143242	142.463	ng	-0.02
45) 2-Fluorobiphenyl	13.010	172	3546344	77.301	ng	-0.02
79) Terphenyl-d14	19.768	244	6306366	79.779	ng	-0.01
Target Compounds						Qvalue
60) Diethylphthalate	15.215	149	137565	3.681	ng	98
74) Di-n-butylphthalate	18.109	149	225196	3.550	ng	99
75) Fluoranthene	19.203	202	152568	2.142	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050067.D
Acq On : 01 May 2025 16:44
Operator : RC/JU
Sample : Q1914-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-91

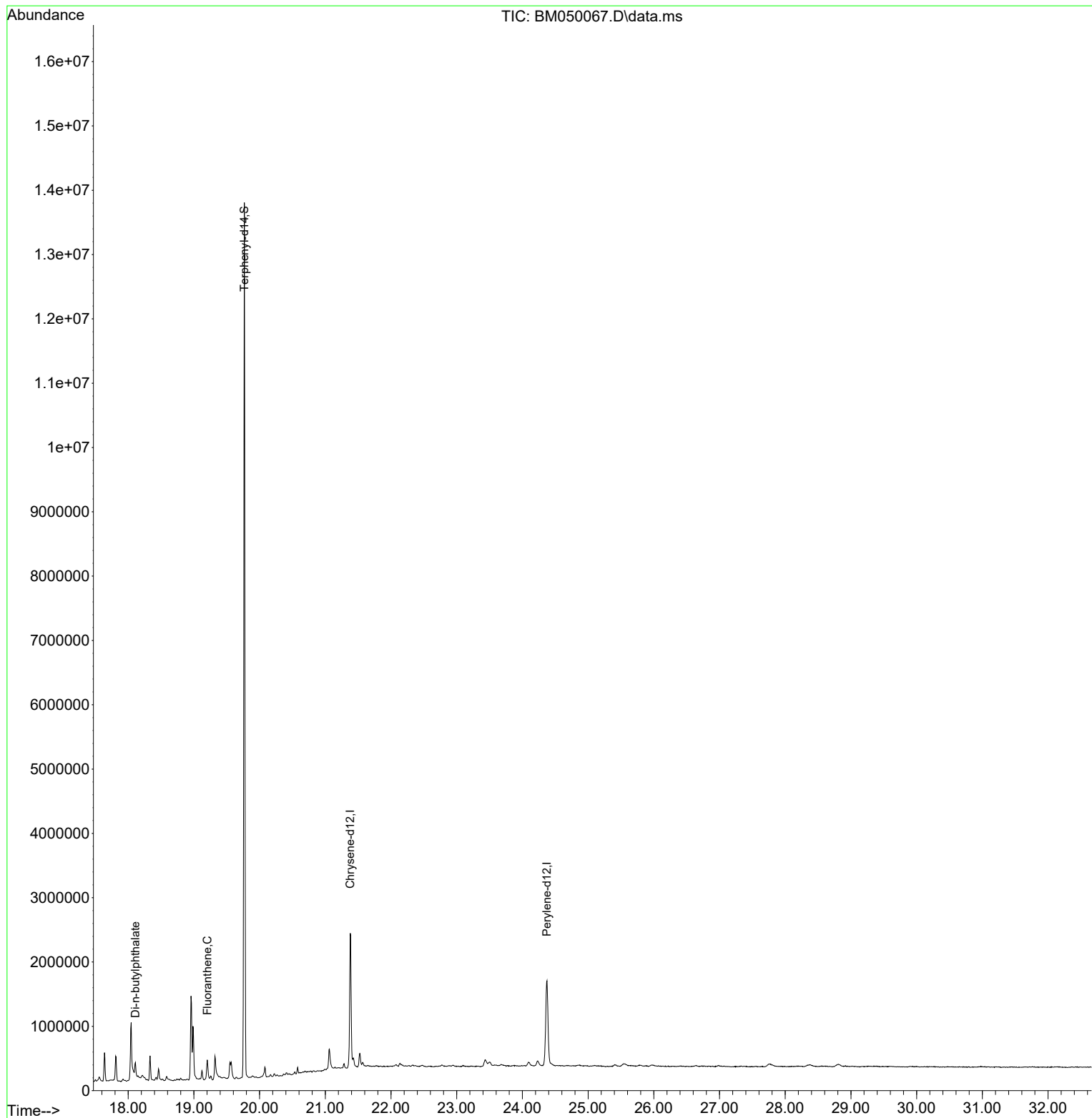
Quant Time: May 01 18:06:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

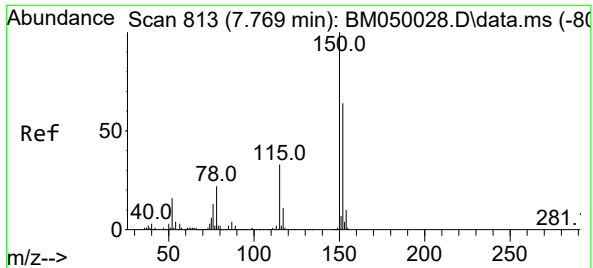


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050067.D
Acq On : 01 May 2025 16:44
Operator : RC/JU
Sample : Q1914-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-91

Quant Time: May 01 18:06:39 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

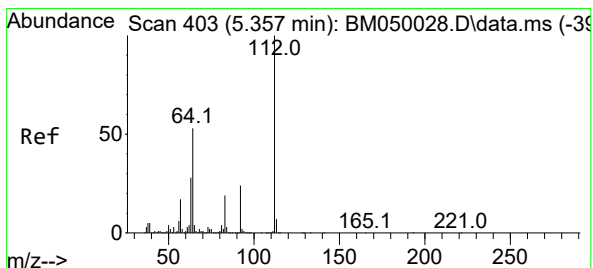
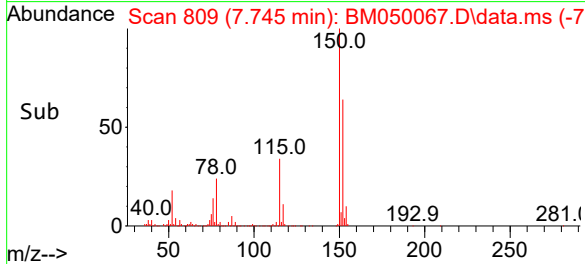
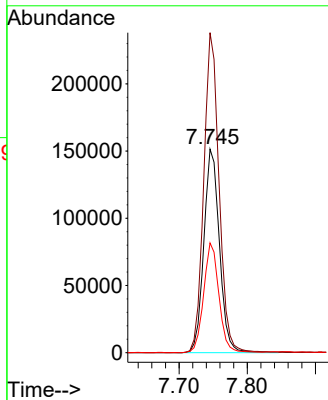
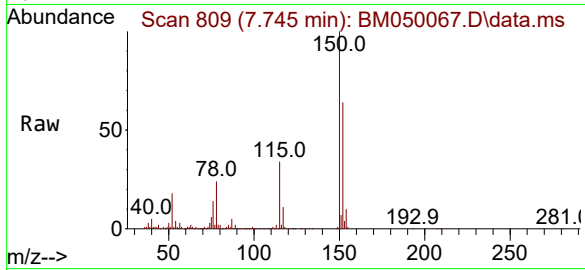




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050067.D
Acq: 01 May 2025 16:44

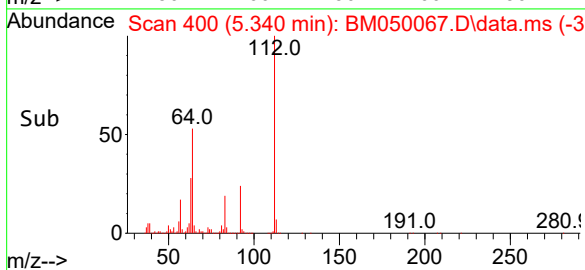
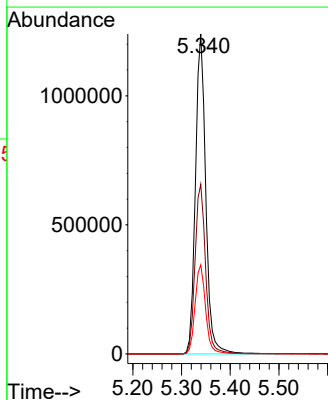
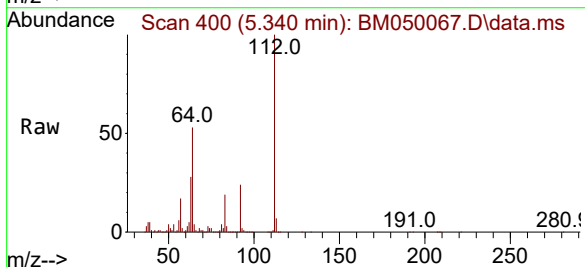
Instrument :
BNA_M
ClientSampleId :
SS-91

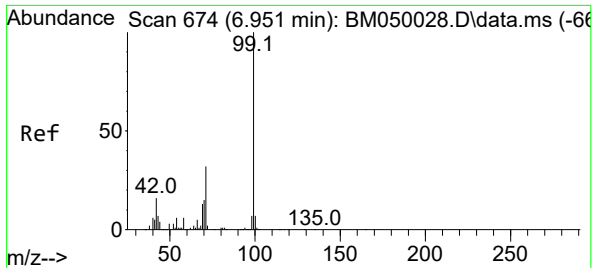
Tgt Ion:152 Resp: 241297
Ion Ratio Lower Upper
152 100
150 157.3 124.1 186.1
115 53.9 41.2 61.8



#5
2-Fluorophenol
Concen: 133.712 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050067.D
Acq: 01 May 2025 16:44

Tgt Ion:112 Resp: 1842545
Ion Ratio Lower Upper
112 100
64 53.1 42.6 64.0
63 27.8 22.2 33.4

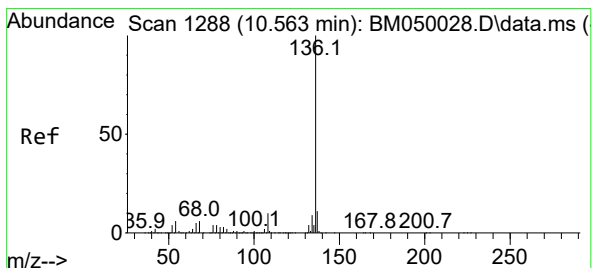
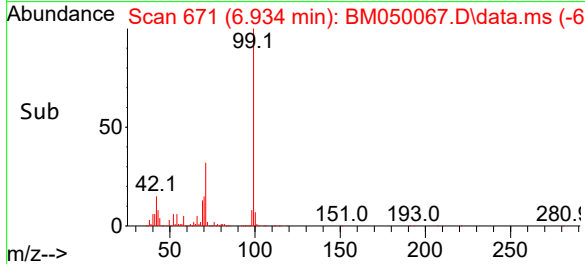
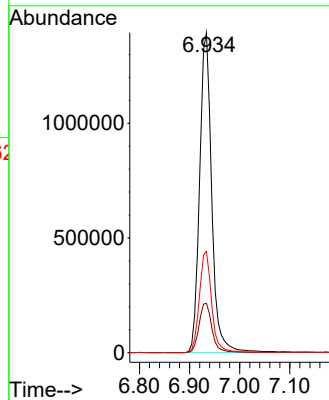
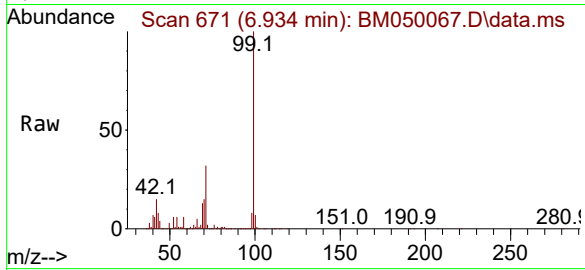




#7
Phenol-d6
Concen: 135.375 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050067.D
Acq: 01 May 2025 16:44

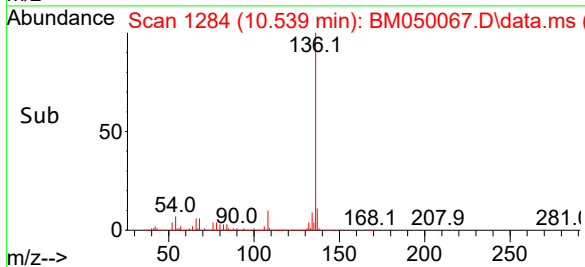
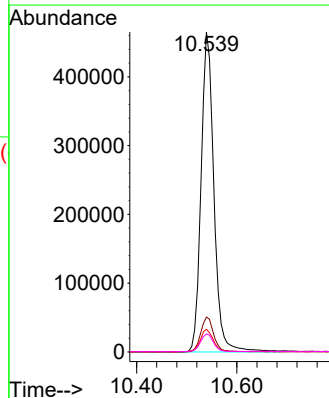
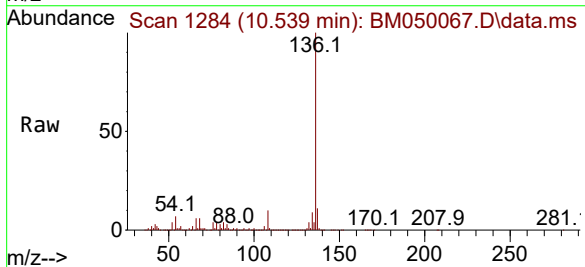
Instrument :
BNA_M
ClientSampleId :
SS-91

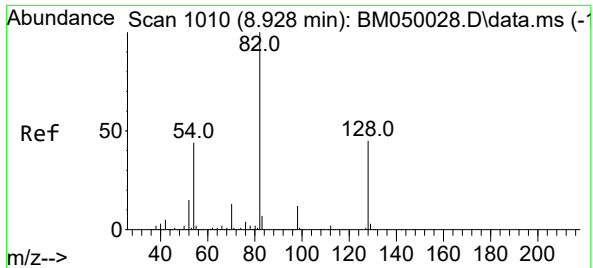
Tgt Ion: 99 Resp: 2344634
Ion Ratio Lower Upper
99 100
42 15.4 13.0 19.4
71 31.6 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050067.D
Acq: 01 May 2025 16:44

Tgt Ion: 136 Resp: 826545
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 7.1 5.1 7.7
68 5.6 4.4 6.6





#23

Nitrobenzene-d5

Concen: 81.833 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.024 min

Lab File: BM050067.D

Acq: 01 May 2025 16:44

Instrument :

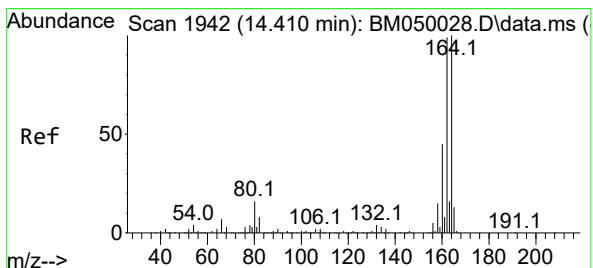
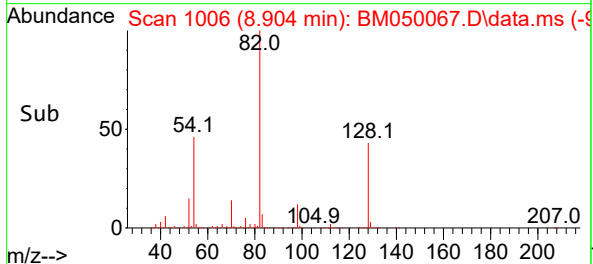
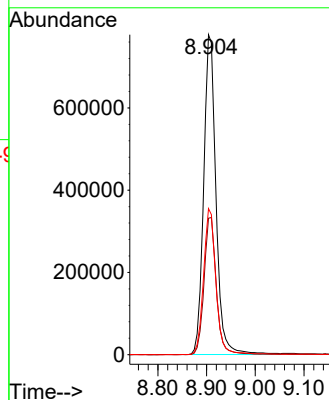
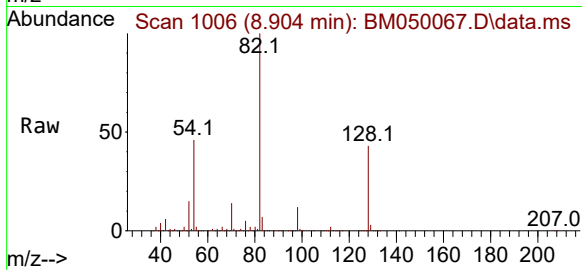
BNA_M

ClientSampleId :

SS-91

Tgt Ion: 82 Resp: 1372632

Ion	Ratio	Lower	Upper
82	100		
128	42.6	35.7	53.5
54	45.6	35.4	53.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.392 min Scan# 1939

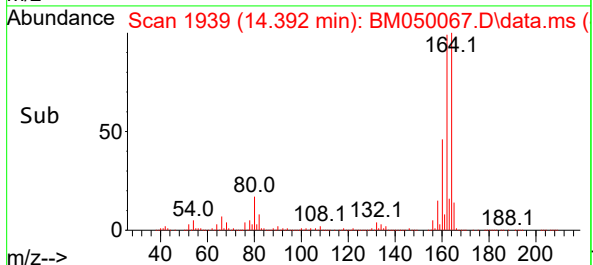
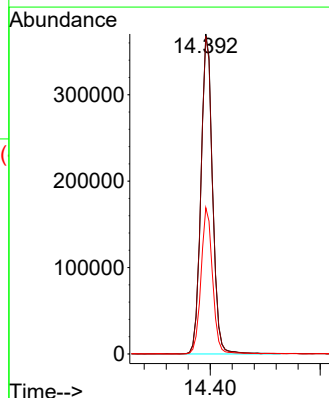
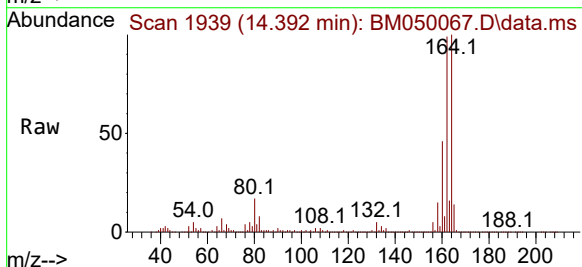
Delta R.T. -0.018 min

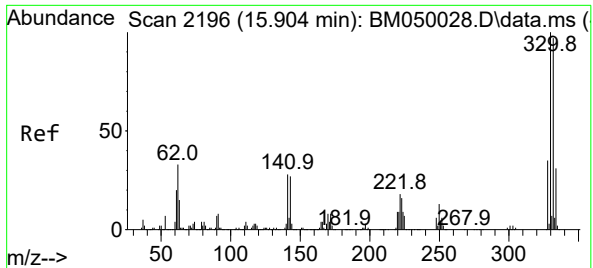
Lab File: BM050067.D

Acq: 01 May 2025 16:44

Tgt Ion: 164 Resp: 542720

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.4	119.0
160	45.7	36.2	54.4

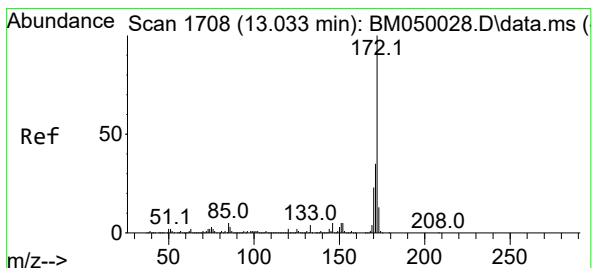
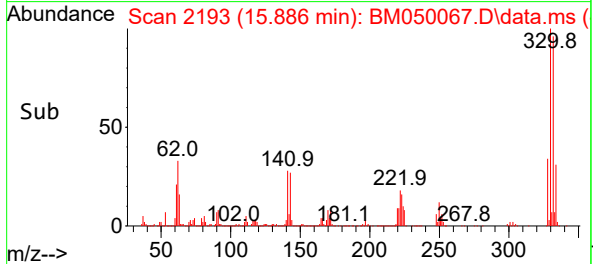
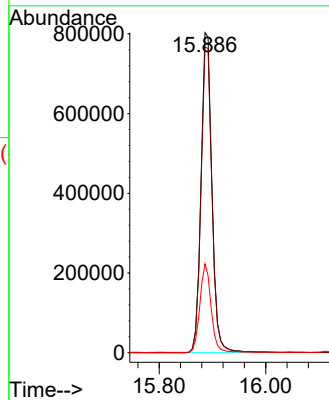
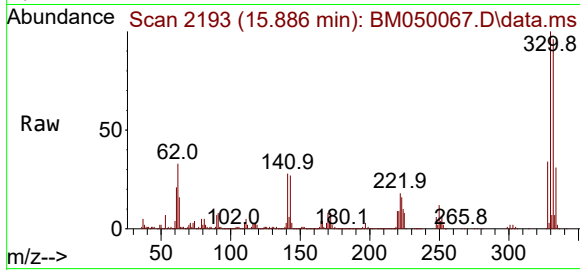




#42
2,4,6-Tribromophenol
Concen: 142.463 ng
RT: 15.886 min Scan# 2193
Delta R.T. -0.018 min
Lab File: BM050067.D
Acq: 01 May 2025 16:44

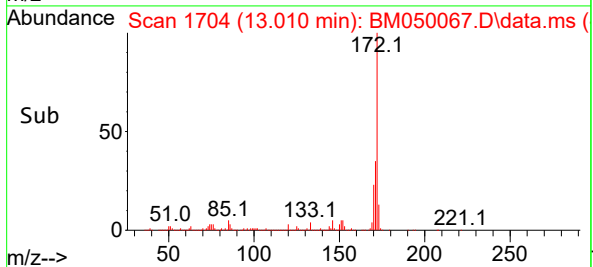
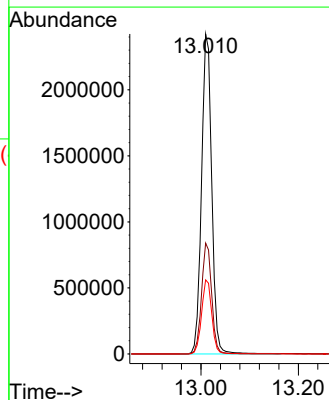
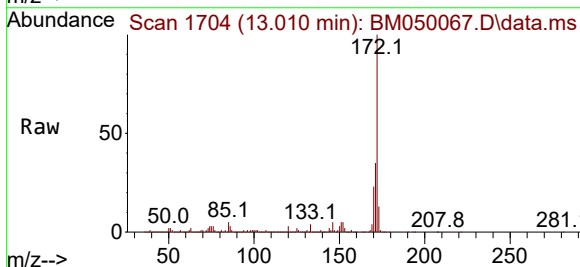
Instrument :
BNA_M
ClientSampleId :
SS-91

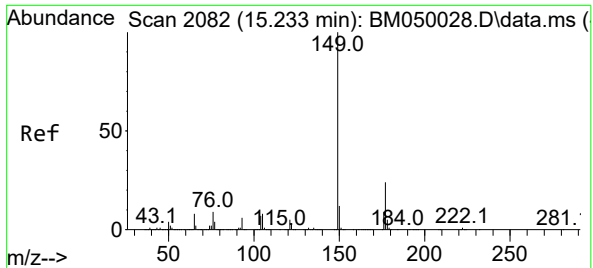
Tgt Ion:330 Resp: 1143242
Ion Ratio Lower Upper
330 100
332 96.4 77.3 115.9
141 28.4 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 77.301 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050067.D
Acq: 01 May 2025 16:44

Tgt Ion:172 Resp: 3546344
Ion Ratio Lower Upper
172 100
171 34.6 27.8 41.6
170 23.2 18.6 28.0

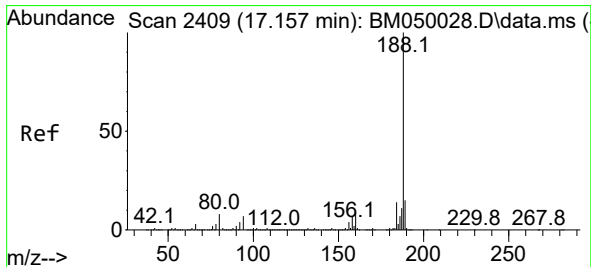
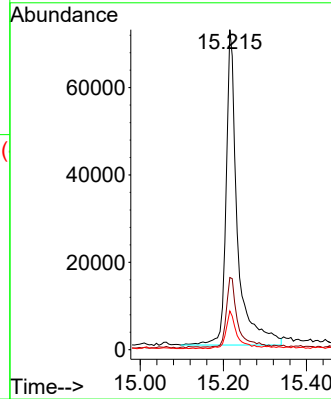
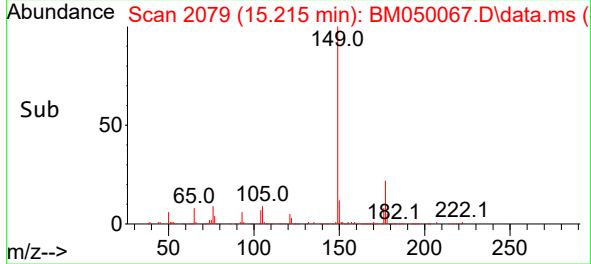
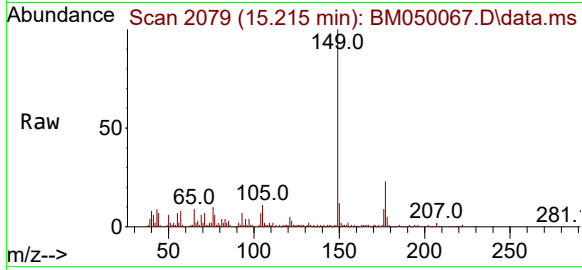




#60
Diethylphthalate
Concen: 3.681 ng
RT: 15.215 min Scan# 2082
Delta R.T. -0.018 min
Lab File: BM050067.D
Acq: 01 May 2025 16:44

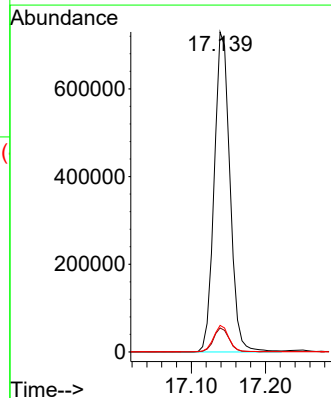
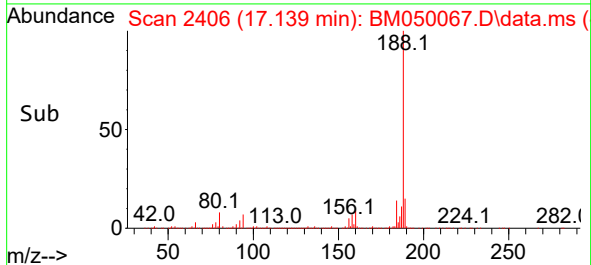
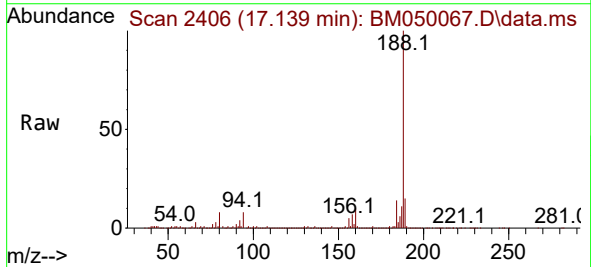
Instrument :
BNA_M
ClientSampleId :
SS-91

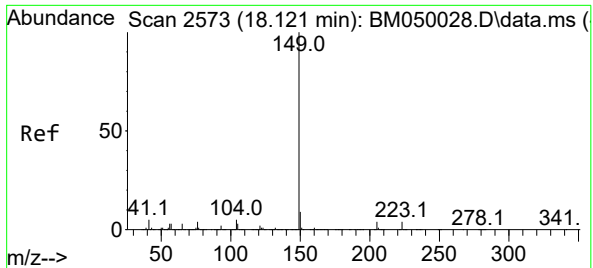
Tgt Ion:149 Resp: 137565
Ion Ratio Lower Upper
149 100
177 22.5 19.1 28.7
150 12.1 9.6 14.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050067.D
Acq: 01 May 2025 16:44

Tgt Ion:188 Resp: 1075472
Ion Ratio Lower Upper
188 100
94 7.5 5.7 8.5
80 8.3 6.2 9.4

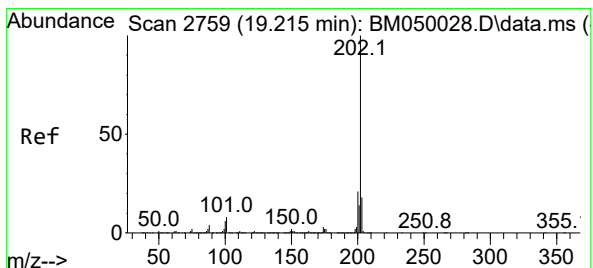
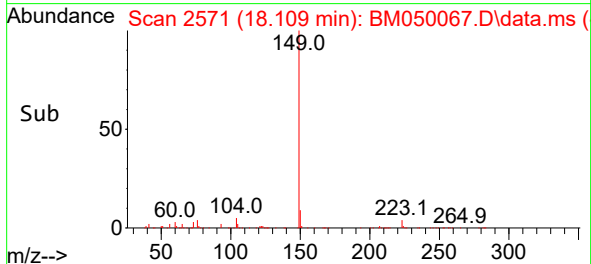
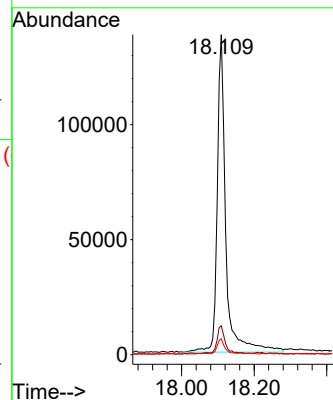
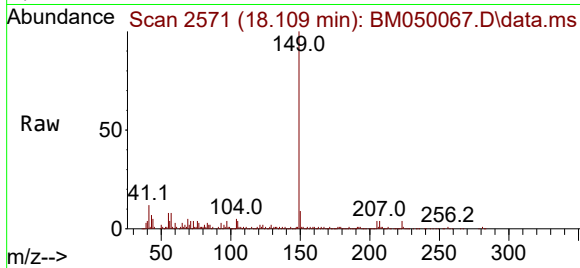




#74
Di-n-butylphthalate
Concen: 3.550 ng
RT: 18.109 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050067.D
Acq: 01 May 2025 16:44

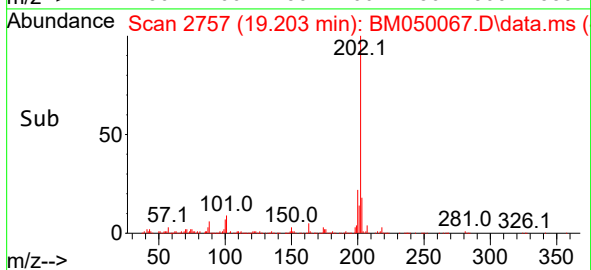
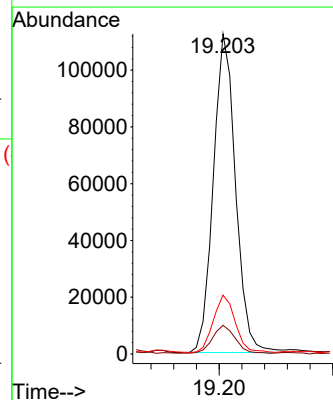
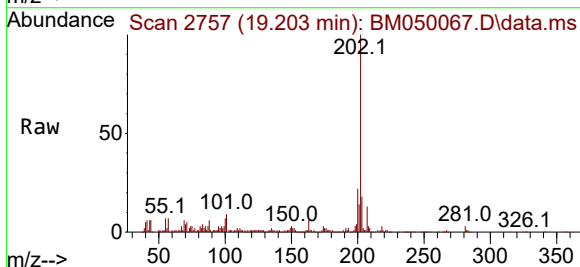
Instrument :
BNA_M
ClientSampleId :
SS-91

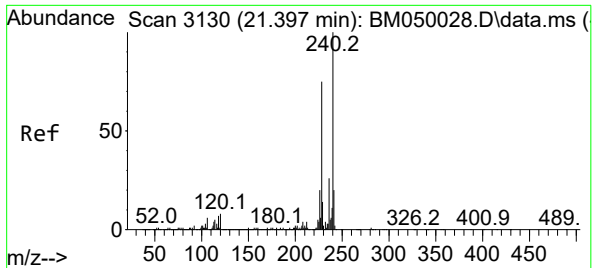
Tgt Ion:149 Resp: 225196
Ion Ratio Lower Upper
149 100
150 9.0 7.3 10.9
104 5.0 3.8 5.6



#75
Fluoranthene
Concen: 2.142 ng
RT: 19.203 min Scan# 2757
Delta R.T. -0.012 min
Lab File: BM050067.D
Acq: 01 May 2025 16:44

Tgt Ion:202 Resp: 152568
Ion Ratio Lower Upper
202 100
101 8.9 0.0 28.0
203 18.4 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.380 min Scan# 31

Delta R.T. -0.017 min

Lab File: BM050067.D

Acq: 01 May 2025 16:44

Instrument :

BNA_M

ClientSampleId :

SS-91

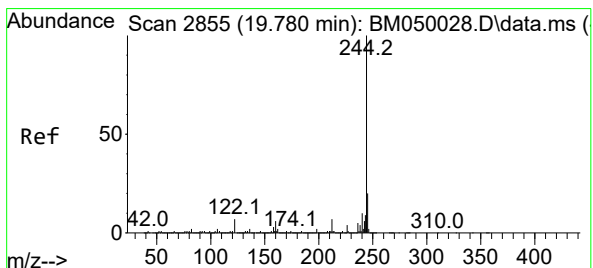
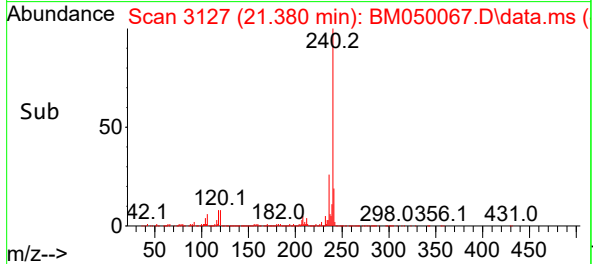
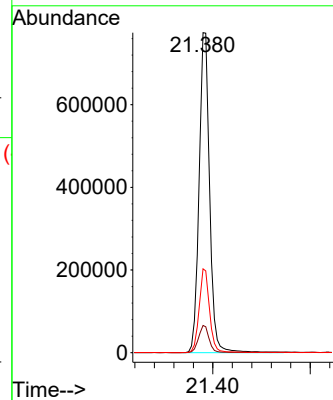
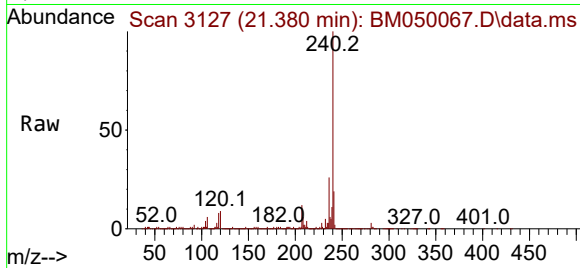
Tgt Ion:240 Resp: 1169707

Ion Ratio Lower Upper

240 100

120 8.5 6.5 9.7

236 26.2 20.9 31.3



#79

Terphenyl-d14

Concen: 79.779 ng

RT: 19.768 min Scan# 2853

Delta R.T. -0.012 min

Lab File: BM050067.D

Acq: 01 May 2025 16:44

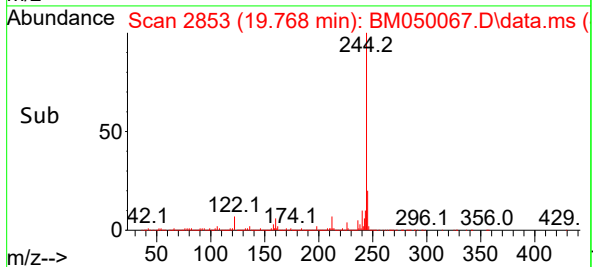
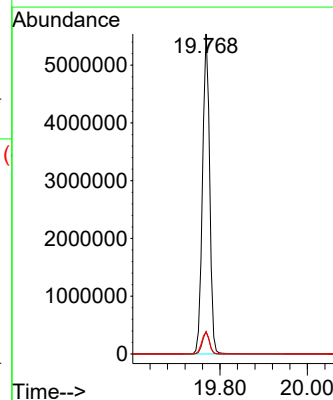
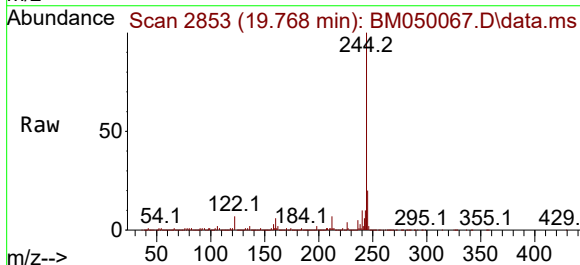
Tgt Ion:244 Resp: 6306366

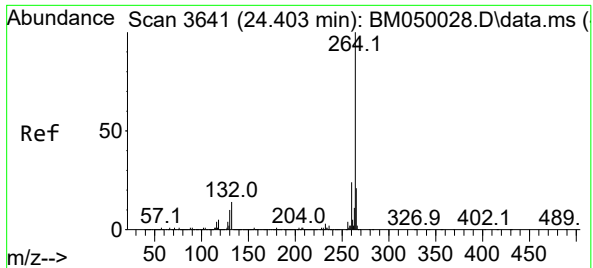
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

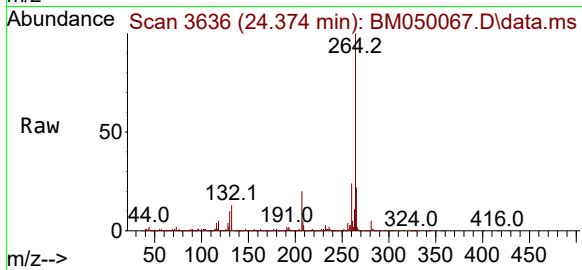
122 6.9 5.6 8.4



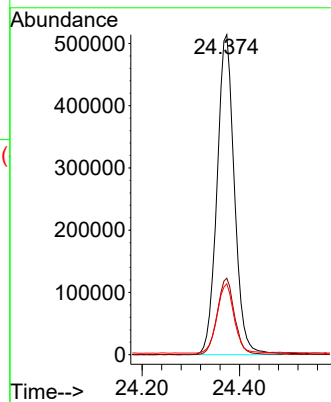
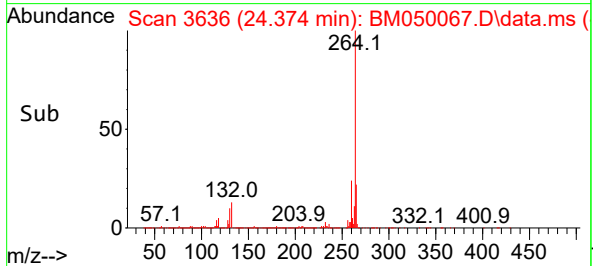


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 30
Delta R.T. -0.030 min
Lab File: BM050067.D
Acq: 01 May 2025 16:44

Instrument :
BNA_M
ClientSampleId :
SS-91



Tgt Ion:264 Resp: 1275485
Ion Ratio Lower Upper
264 100
260 23.9 18.8 28.2
265 22.1 17.0 25.4



Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-2	SDG No.:	Q1914
Lab Sample ID:	Q1914-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BM050071.D	1	04/30/25 11:00	05/01/25 19:20	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	200	U	26.9	200	ug/Kg
208-96-8	Acenaphthylene	200	U	34.3	200	ug/Kg
83-32-9	Acenaphthene	200	U	25.3	200	ug/Kg
86-73-7	Fluorene	200	U	30.0	200	ug/Kg
85-01-8	Phenanthrene	90.7	J	24.8	200	ug/Kg
120-12-7	Anthracene	200	U	39.5	200	ug/Kg
206-44-0	Fluoranthene	190	J	35.6	200	ug/Kg
129-00-0	Pyrene	180	J	42.7	200	ug/Kg
56-55-3	Benzo(a)anthracene	120	J	27.3	200	ug/Kg
218-01-9	Chrysene	110	J	23.6	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	200	U	26.6	200	ug/Kg
50-32-8	Benzo(a)pyrene	120	J	35.0	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200	U	34.5	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	200	U	32.5	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	96.5	J	30.5	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	42.7		18 - 107	43%	SPK: 100
321-60-8	2-Fluorobiphenyl	37.5		20 - 109	38%	SPK: 100
1718-51-0	Terphenyl-d14	38.2		10 - 105	38%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	276000		7.745		
1146-65-2	Naphthalene-d8	998000		10.539		
15067-26-2	Acenaphthene-d10	689000		14.392		
1517-22-2	Phenanthrene-d10	1450000		17.139		
1719-03-5	Chrysene-d12	1430000		21.38		
1520-96-3	Perylene-d12	1490000		24.374		

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-2	SDG No.:	Q1914
Lab Sample ID:	Q1914-03	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	84.1
Sample Wt/Vol:	30.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BM050071.D	1	04/30/25 11:00	05/01/25 19:20	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050071.D
 Acq On : 01 May 2025 19:20
 Operator : RC/JU
 Sample : Q1914-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-2

Quant Time: May 02 01:11:55 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)

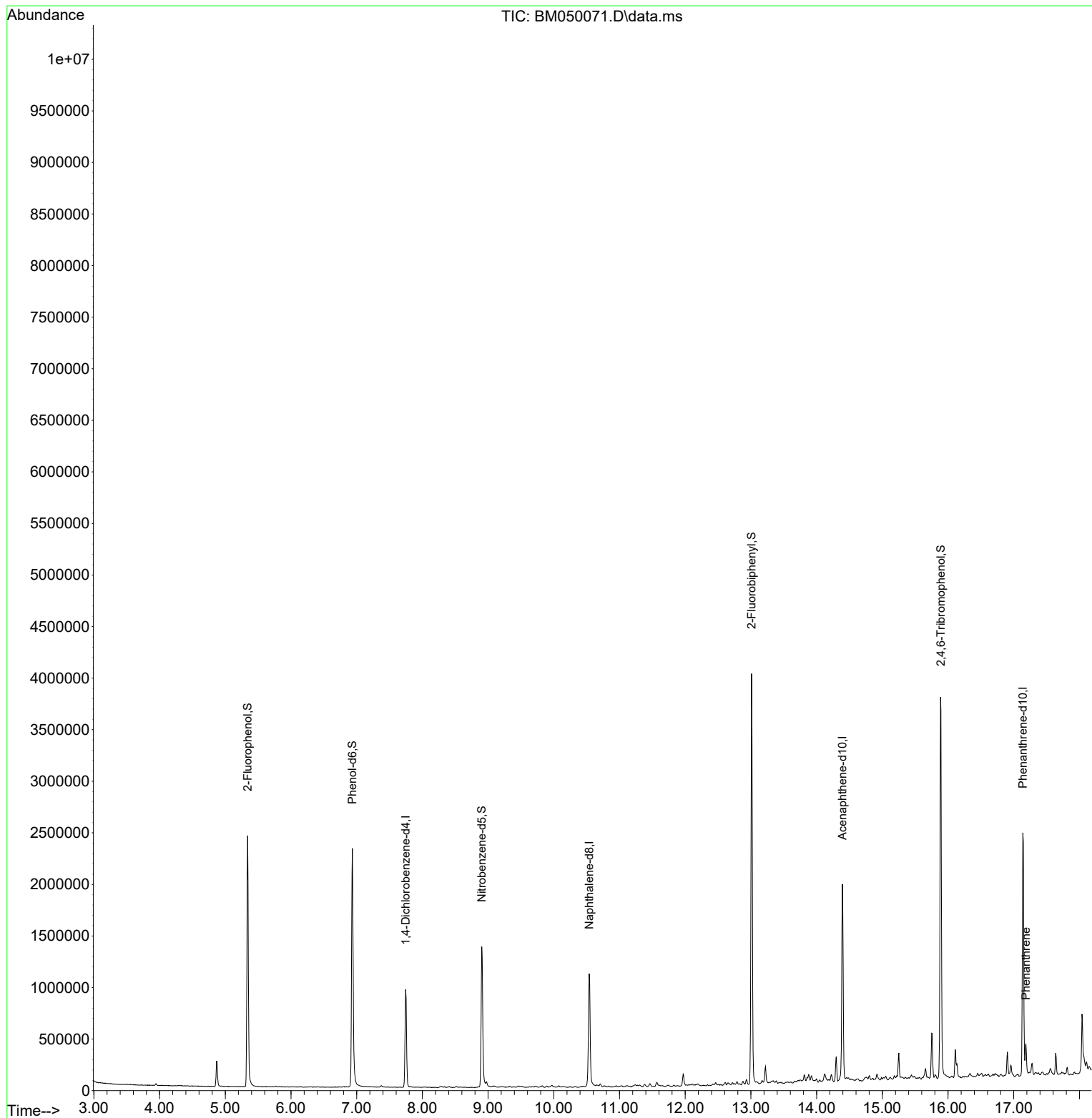
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	275696	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	997778	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	688876	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1445780	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1428816	20.000	ng	-0.02
86) Perylene-d12	24.374	264	1491423	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1125564	71.490	ng	-0.02
7) Phenol-d6	6.934	99	1499693	75.785	ng	-0.02
23) Nitrobenzene-d5	8.904	82	864568	42.698	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	778733	76.452	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2185694	37.534	ng	-0.02
79) Terphenyl-d14	19.768	244	3685825	38.172	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.186	178	186931	2.292	ng	99
75) Fluoranthene	19.204	202	452275	4.724	ng	99
78) Pyrene	19.562	202	447753	4.463	ng	98
81) Benzo(a)anthracene	21.362	228	288635	2.934	ng	97
83) Chrysene	21.427	228	263137	2.890	ng	97
88) Benzo(b)fluoranthene	23.433	252	365702	3.770	ng	# 97
90) Benzo(a)pyrene	24.227	252	274759	3.025	ng	# 95
92) Benzo(g,h,i)perylene	28.803	276	211557	2.439	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050071.D
Acq On : 01 May 2025 19:20
Operator : RC/JU
Sample : Q1914-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-2

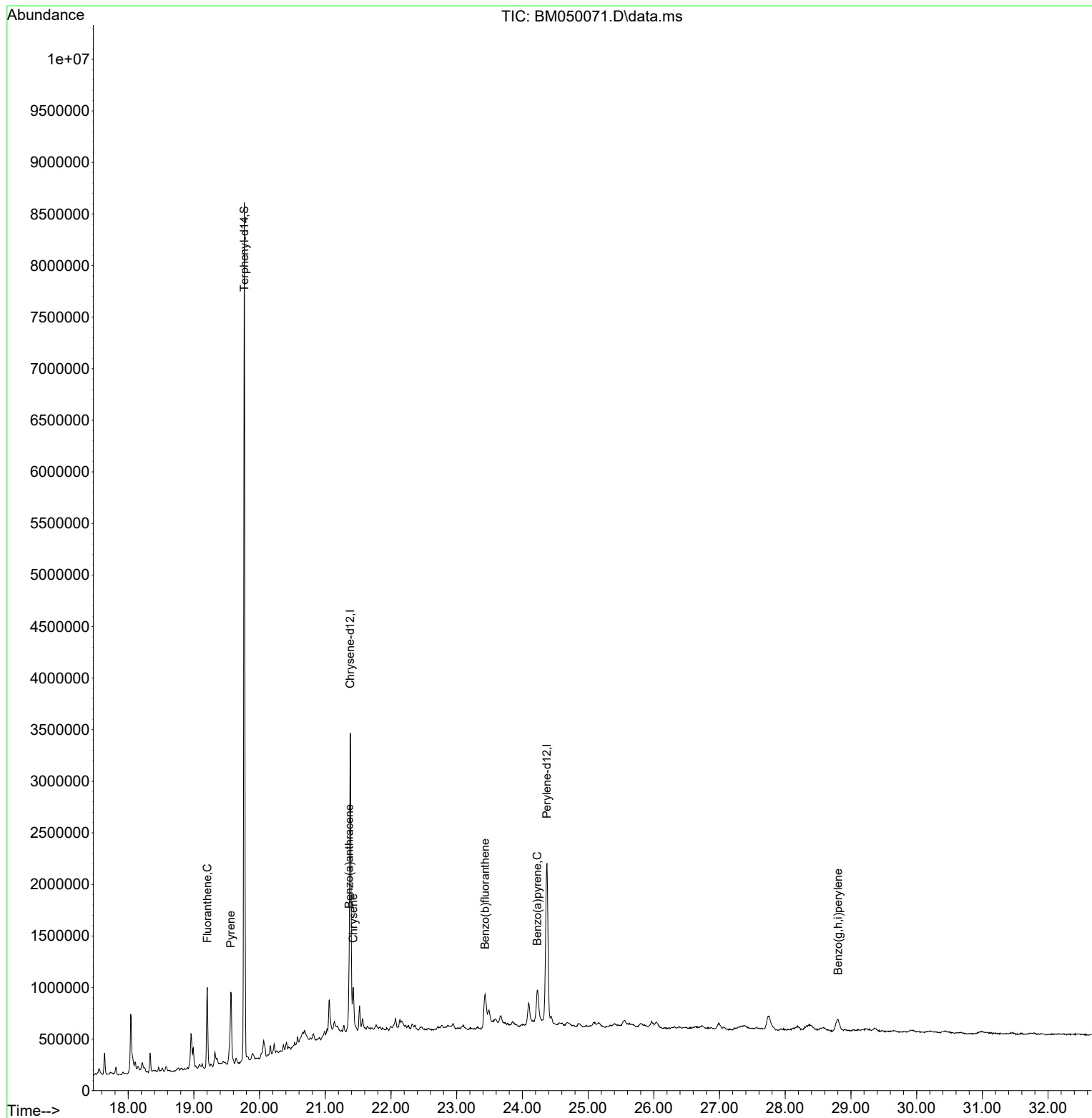
Quant Time: May 02 01:11:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

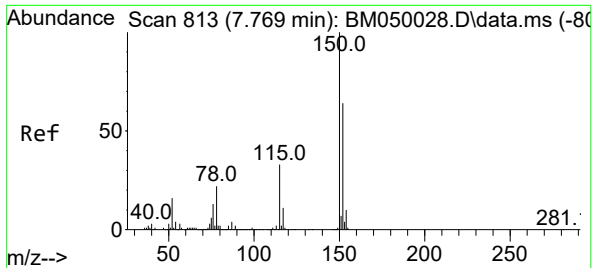


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050071.D
Acq On : 01 May 2025 19:20
Operator : RC/JU
Sample : Q1914-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-2

Quant Time: May 02 01:11:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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Response via : Initial Calibration

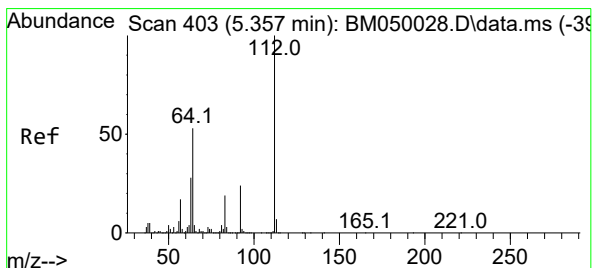
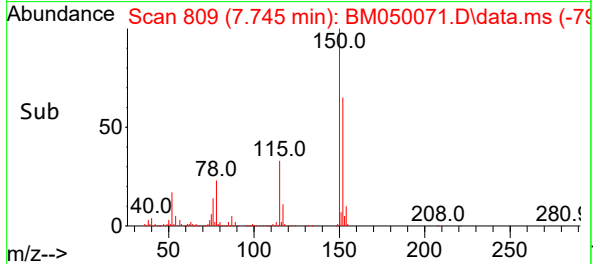
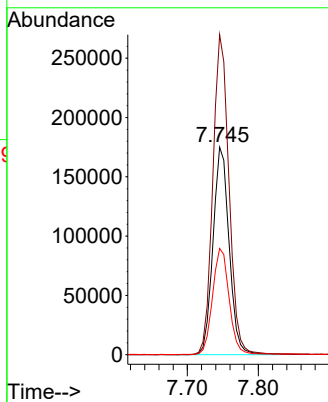
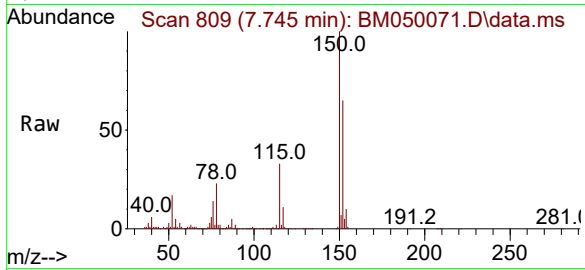




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

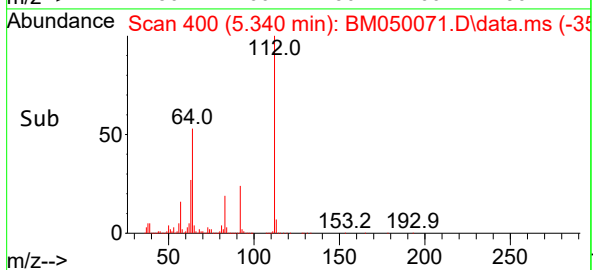
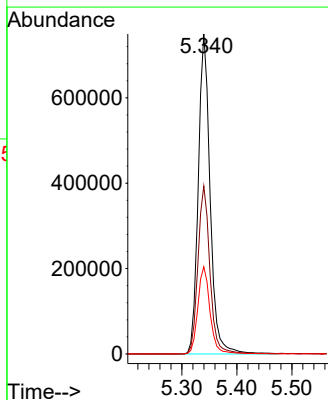
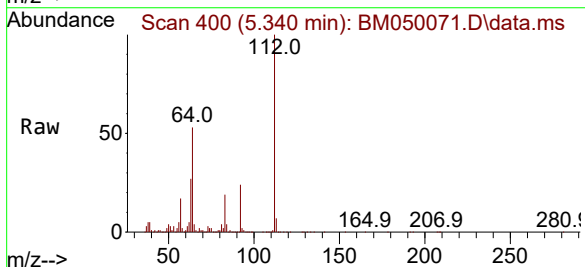
Instrument :
BNA_M
ClientSampleId :
SS-2

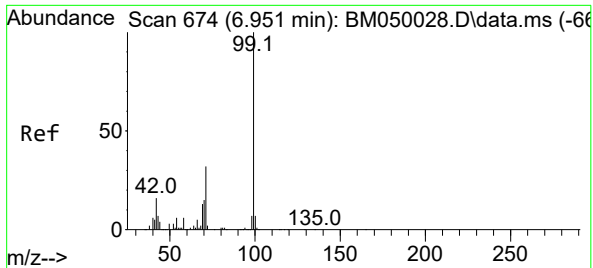
Tgt Ion:152 Resp: 275696
Ion Ratio Lower Upper
152 100
150 154.2 124.1 186.1
115 51.2 41.2 61.8



#5
2-Fluorophenol
Concen: 71.490 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

Tgt Ion:112 Resp: 1125564
Ion Ratio Lower Upper
112 100
64 52.5 42.6 64.0
63 27.2 22.2 33.4

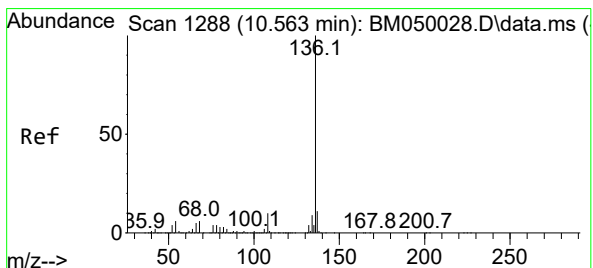
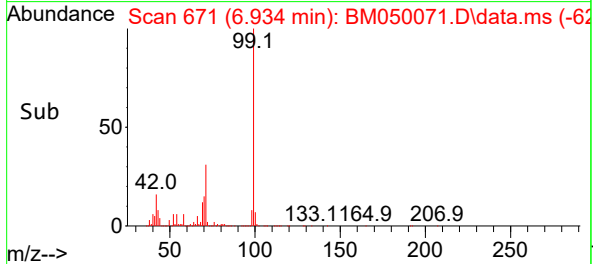
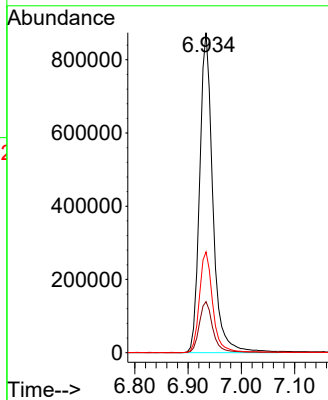
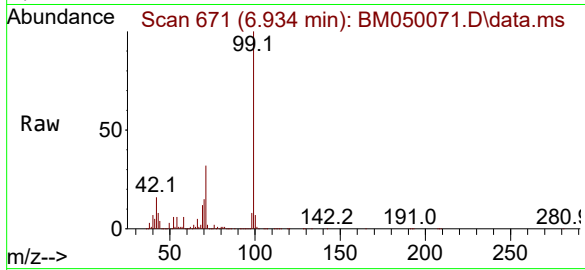




#7
Phenol-d6
Concen: 75.785 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

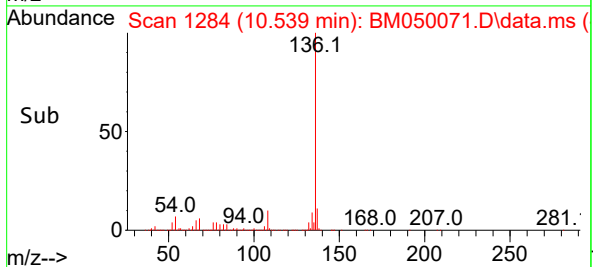
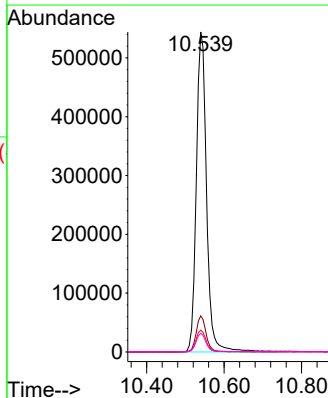
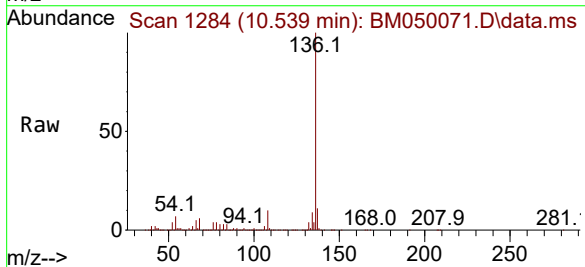
Instrument :
BNA_M
ClientSampleId :
SS-2

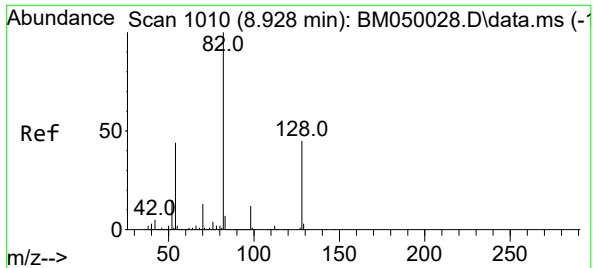
Tgt Ion: 99 Resp: 1499693
Ion Ratio Lower Upper
99 100
42 16.0 13.0 19.4
71 31.5 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

Tgt Ion: 136 Resp: 997778
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 6.8 5.1 7.7
68 5.8 4.4 6.6

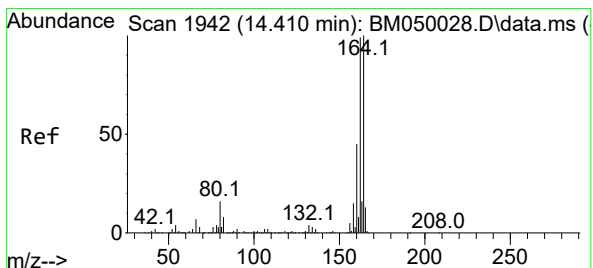
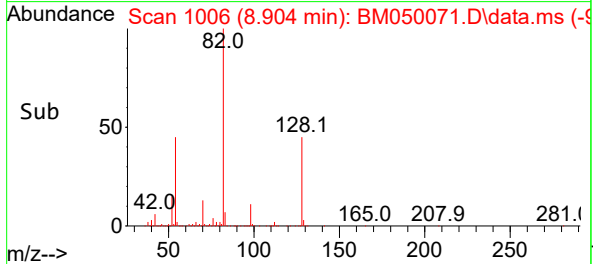
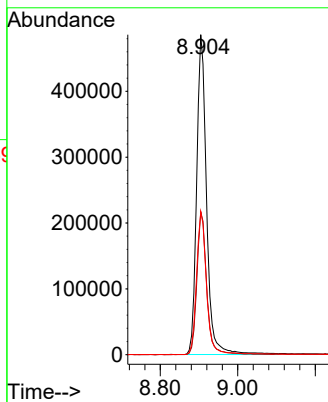
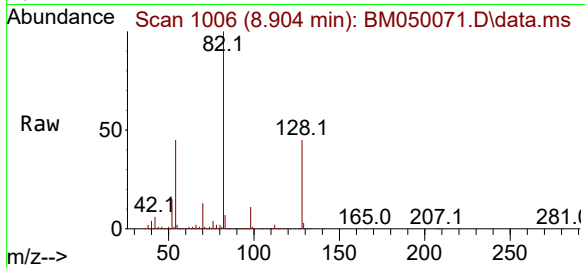




#23
Nitrobenzene-d5
Concen: 42.698 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.023 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

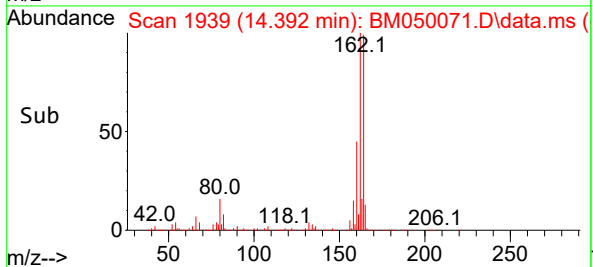
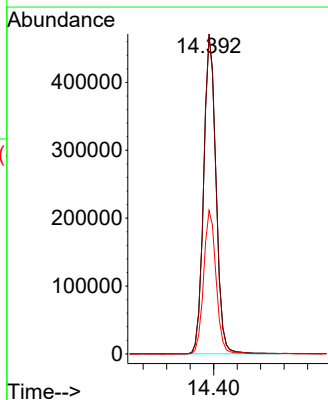
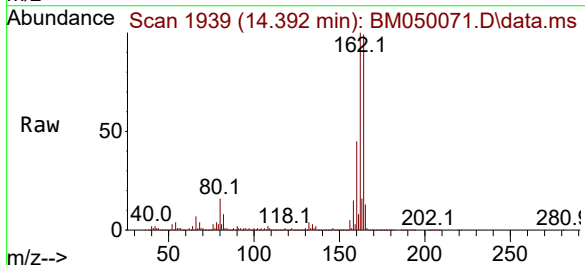
Instrument :
BNA_M
ClientSampleId :
SS-2

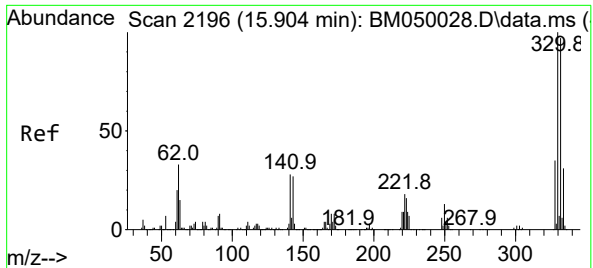
Tgt Ion: 82 Resp: 864568
Ion Ratio Lower Upper
82 100
128 44.6 35.7 53.5
54 44.8 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

Tgt Ion: 164 Resp: 688876
Ion Ratio Lower Upper
164 100
162 100.8 79.4 119.0
160 45.2 36.2 54.4

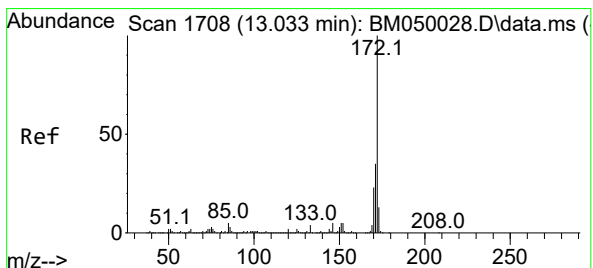
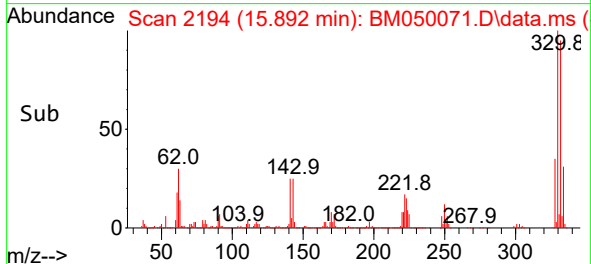
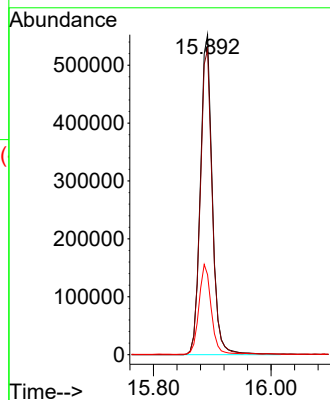
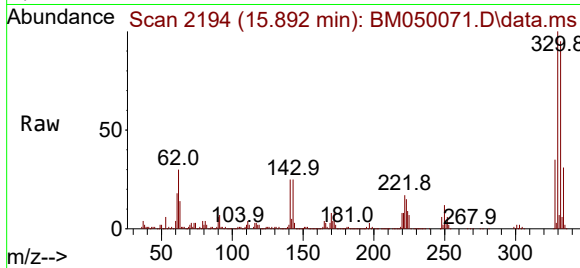




#42
2,4,6-Tribromophenol
Concen: 76.452 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

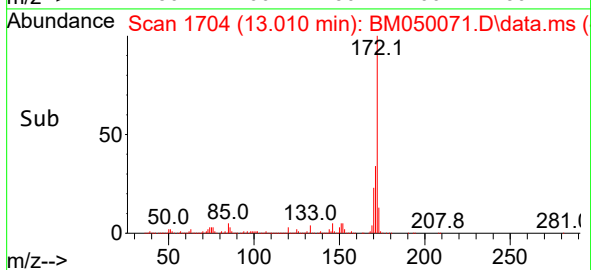
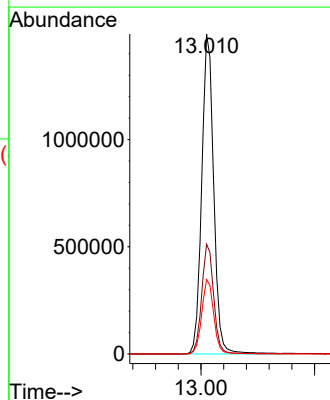
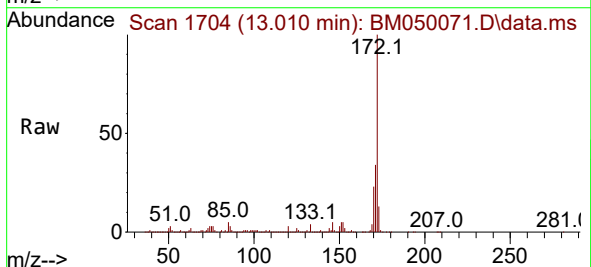
Instrument :
BNA_M
ClientSampleId :
SS-2

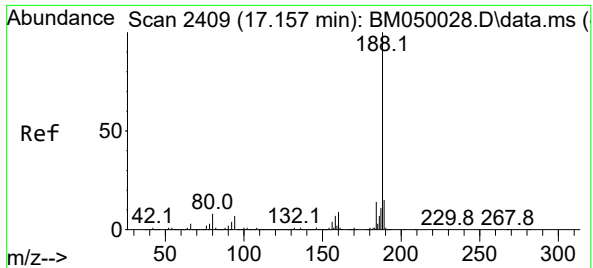
Tgt Ion:330 Resp: 778733
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 28.7 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 37.534 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.023 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

Tgt Ion:172 Resp: 2185694
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 23.2 18.6 28.0

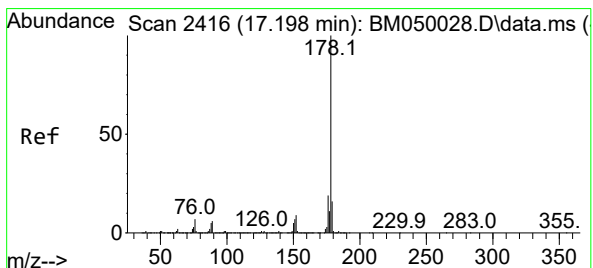
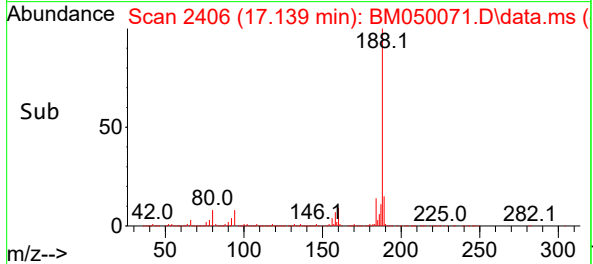
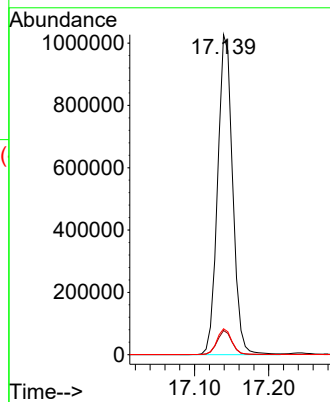
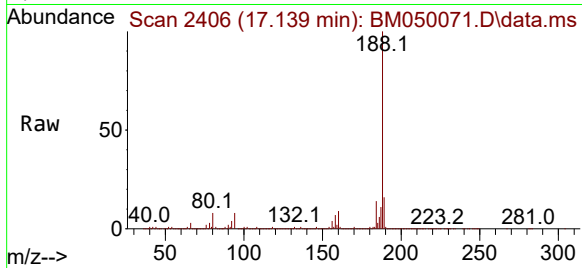




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

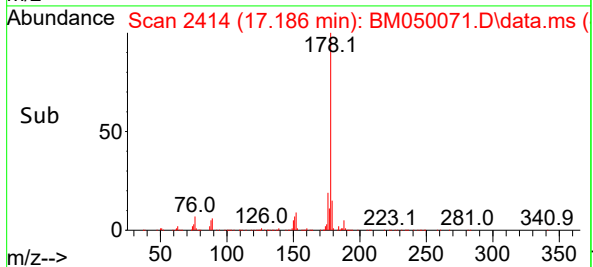
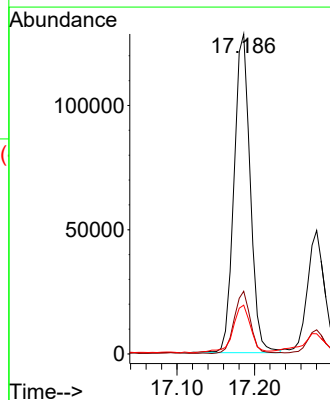
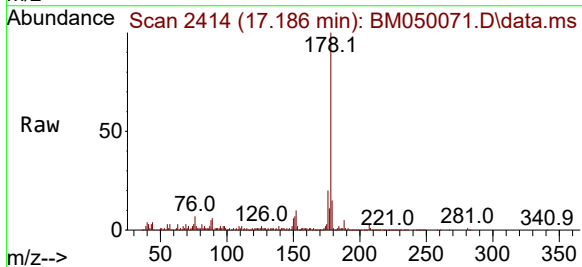
Instrument :
BNA_M
ClientSampleId :
SS-2

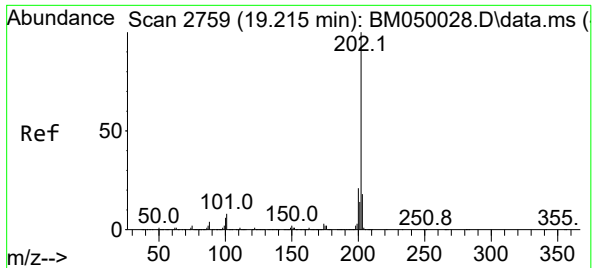
Tgt Ion:188 Resp: 1445780
Ion Ratio Lower Upper
188 100
94 7.5 5.7 8.5
80 8.1 6.2 9.4



#71
Phenanthrene
Concen: 2.292 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.012 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

Tgt Ion:178 Resp: 186931
Ion Ratio Lower Upper
178 100
176 19.6 15.3 22.9
179 15.3 12.4 18.6

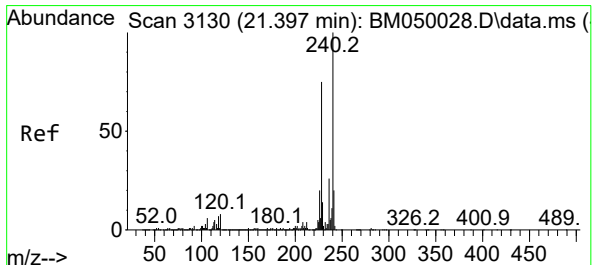
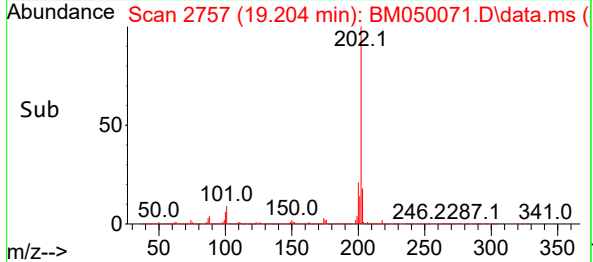
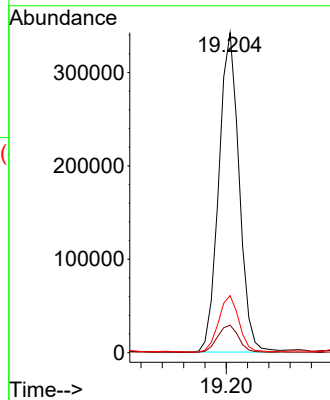
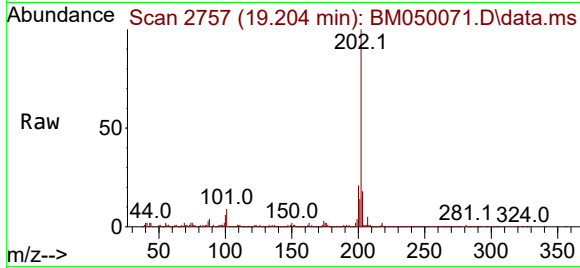




#75
Fluoranthene
Concen: 4.724 ng
RT: 19.204 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

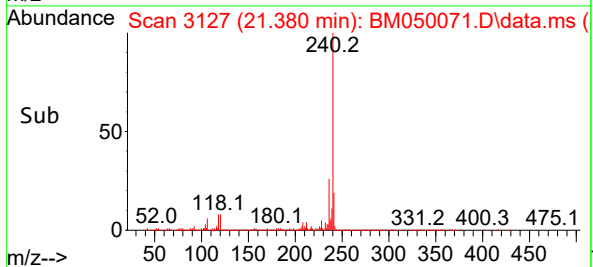
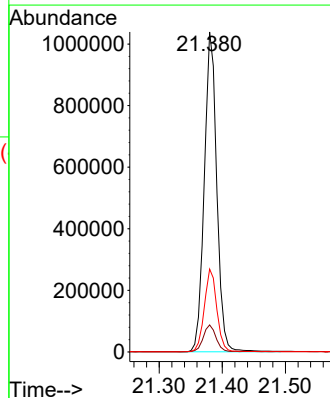
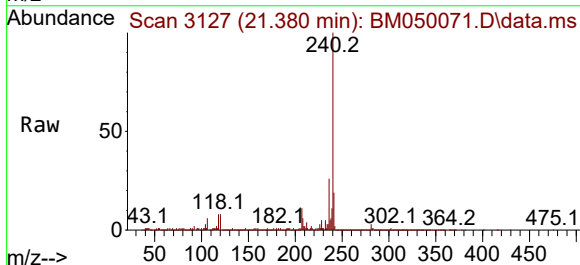
Instrument :
BNA_M
ClientSampleId :
SS-2

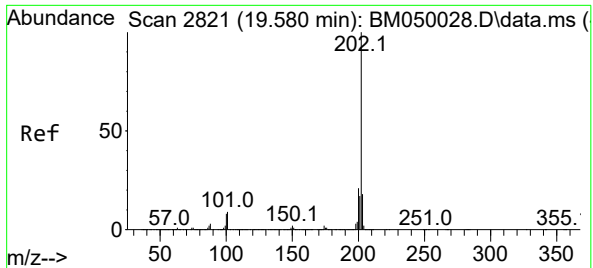
Tgt Ion:202 Resp: 452275
Ion Ratio Lower Upper
202 100
101 8.6 0.0 28.0
203 17.9 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

Tgt Ion:240 Resp: 1428816
Ion Ratio Lower Upper
240 100
120 8.4 6.5 9.7
236 25.9 20.9 31.3

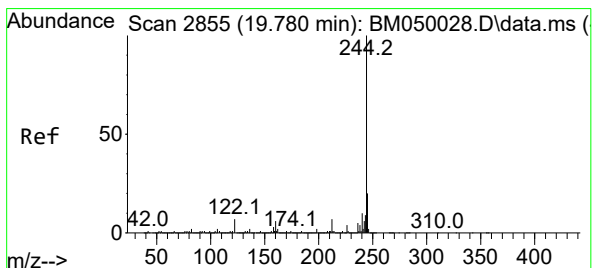
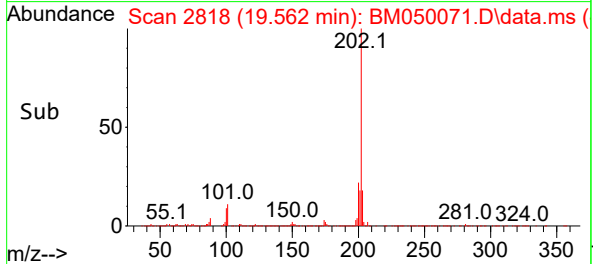
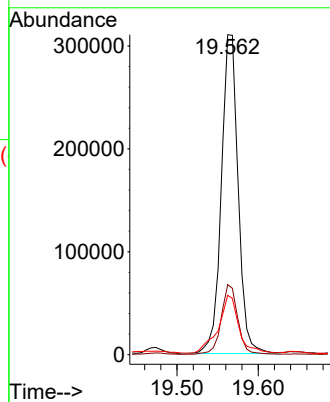
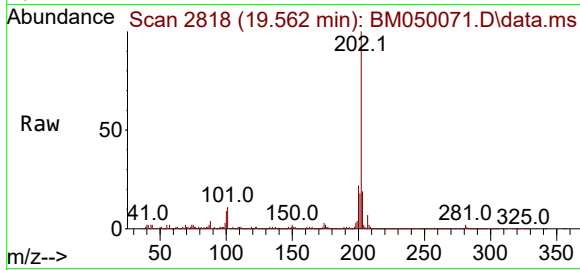




#78
Pyrene
Concen: 4.463 ng
RT: 19.562 min Scan# 2818
Delta R.T. -0.018 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

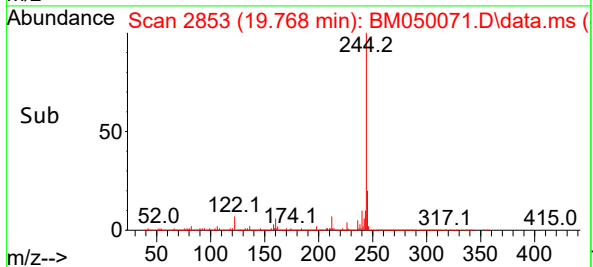
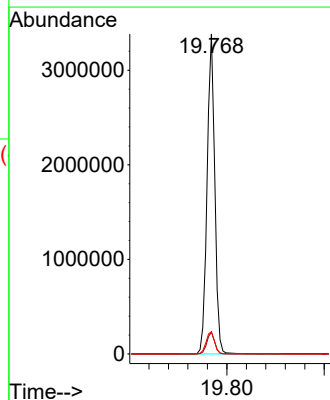
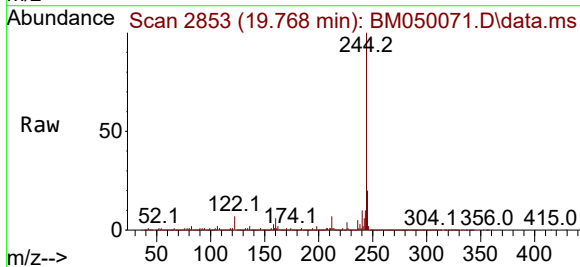
Instrument :
BNA_M
ClientSampleId :
SS-2

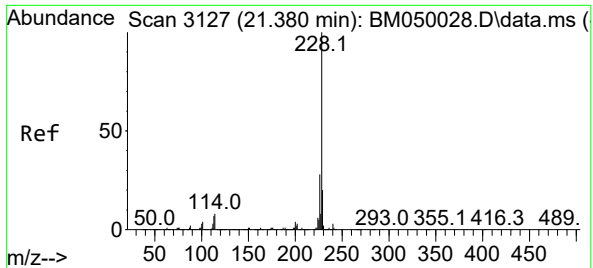
Tgt Ion:202 Resp: 447753
Ion Ratio Lower Upper
202 100
200 21.9 16.7 25.1
203 18.5 14.1 21.1



#79
Terphenyl-d14
Concen: 38.172 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

Tgt Ion:244 Resp: 3685825
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 6.9 5.6 8.4

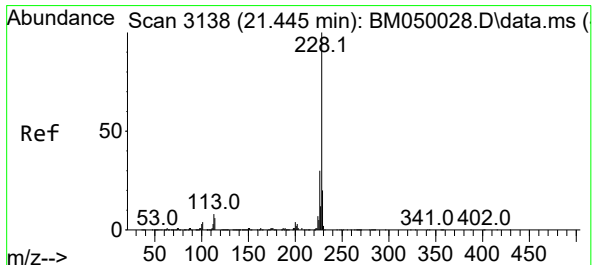
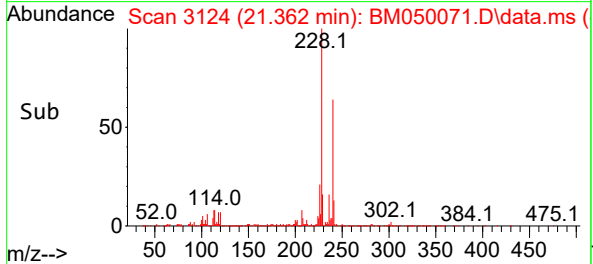
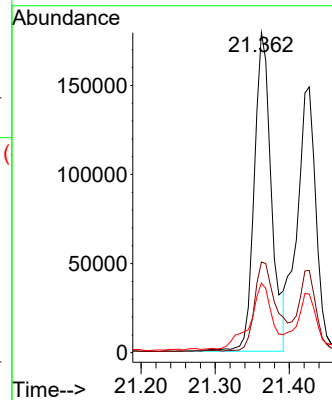
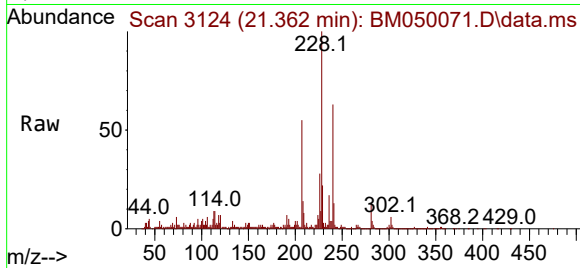




#81
Benzo(a)anthracene
Concen: 2.934 ng
RT: 21.362 min Scan# 3124
Delta R.T. -0.018 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

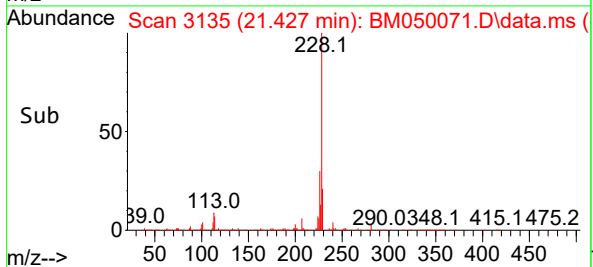
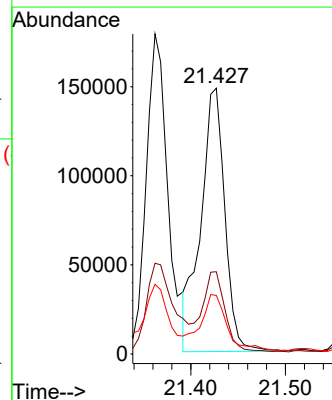
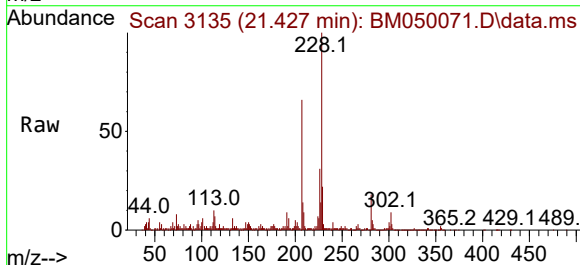
Instrument :
BNA_M
ClientSampleId :
SS-2

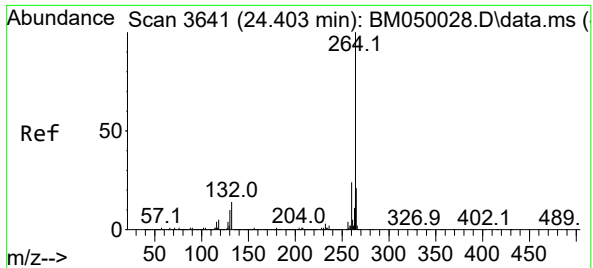
Tgt Ion:228 Resp: 288635
Ion Ratio Lower Upper
228 100
226 28.3 22.1 33.1
229 21.7 15.7 23.5



#83
Chrysene
Concen: 2.890 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.018 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

Tgt Ion:228 Resp: 263137
Ion Ratio Lower Upper
228 100
226 31.0 24.2 36.2
229 22.1 15.7 23.5

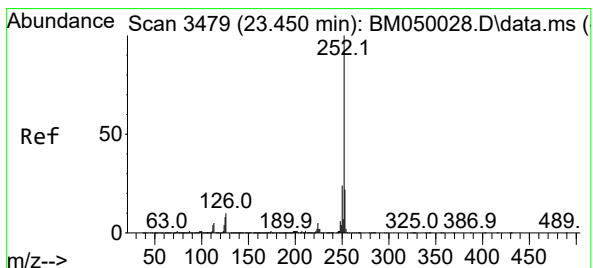
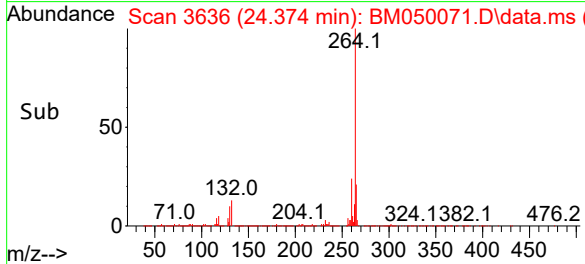
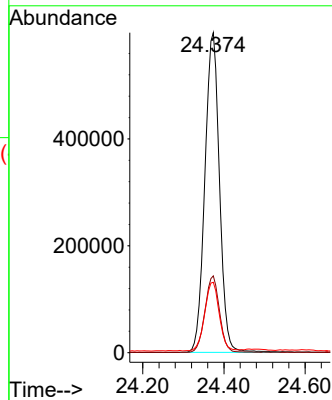
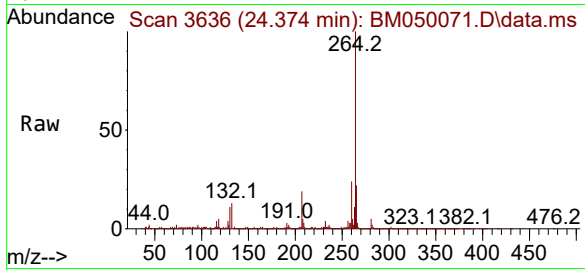




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 30
Delta R.T. -0.029 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

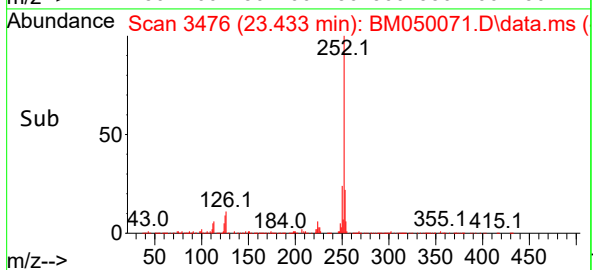
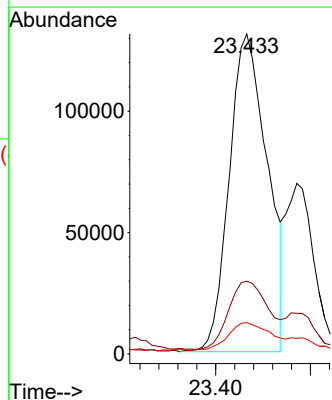
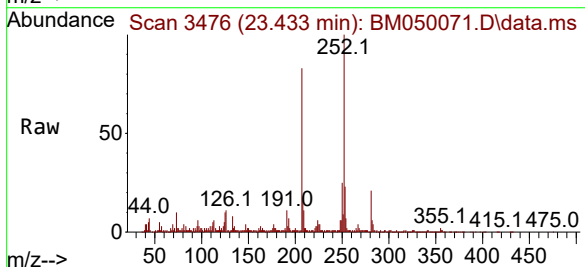
Instrument :
BNA_M
ClientSampleId :
SS-2

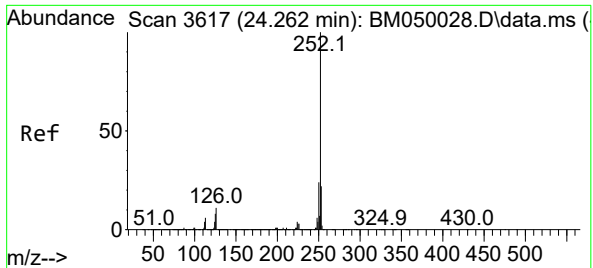
Tgt Ion:264 Resp: 1491423
Ion Ratio Lower Upper
264 100
260 24.0 18.8 28.2
265 22.0 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 3.770 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.018 min
Lab File: BM050071.D
Acq: 01 May 2025 19:20

Tgt Ion:252 Resp: 365702
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 9.8 6.1 9.1#





#90

Benzo(a)pyrene

Concen: 3.025 ng

RT: 24.227 min Scan# 3

Delta R.T. -0.035 min

Lab File: BM050071.D

Acq: 01 May 2025 19:20

Instrument :

BNA_M

ClientSampleId :

SS-2

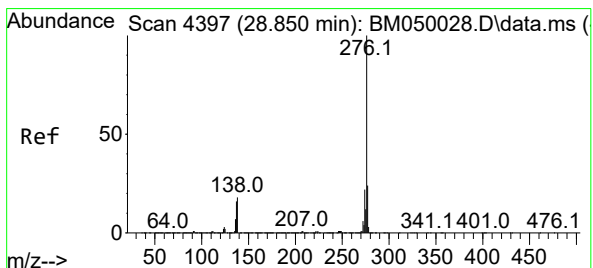
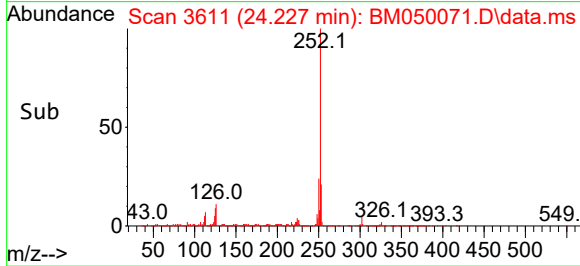
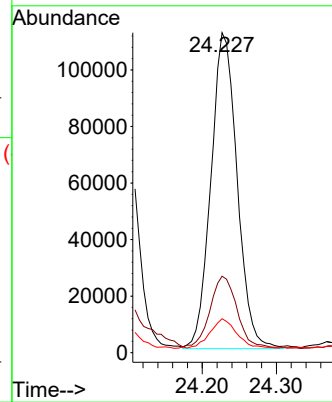
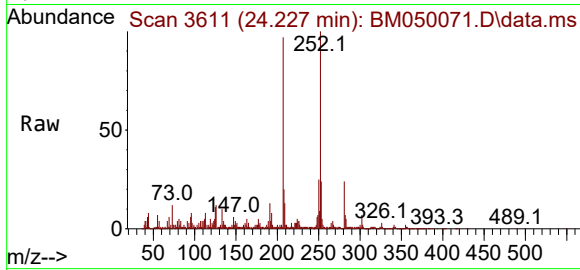
Tgt Ion:252 Resp: 274759

Ion Ratio Lower Upper

252 100

253 23.9 17.4 26.0

125 10.6 6.6 9.8#



#92

Benzo(g,h,i)perylene

Concen: 2.439 ng

RT: 28.803 min Scan# 4389

Delta R.T. -0.047 min

Lab File: BM050071.D

Acq: 01 May 2025 19:20

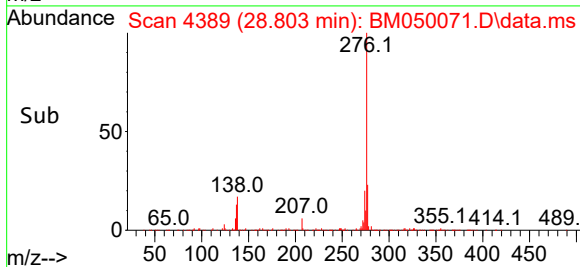
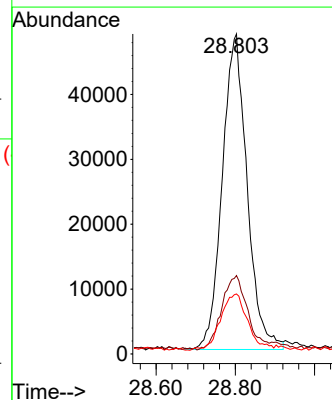
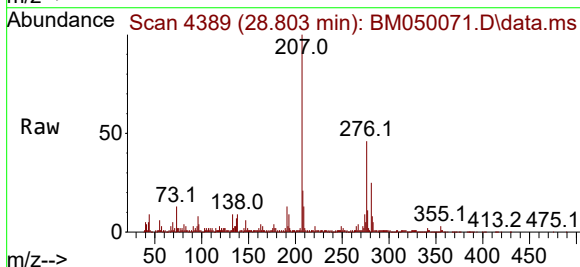
Tgt Ion:276 Resp: 211557

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 18.7 14.3 21.5



Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-3	SDG No.:	Q1914
Lab Sample ID:	Q1914-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BM050107.D	1	04/30/25 11:00	05/05/25 20:16	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	190	U	25.9	190	ug/Kg
208-96-8	Acenaphthylene	190	U	33.0	190	ug/Kg
83-32-9	Acenaphthene	190	U	24.3	190	ug/Kg
86-73-7	Fluorene	190	U	28.8	190	ug/Kg
85-01-8	Phenanthrene	270		23.8	190	ug/Kg
120-12-7	Anthracene	190	U	38.0	190	ug/Kg
206-44-0	Fluoranthene	450		34.2	190	ug/Kg
129-00-0	Pyrene	400		41.0	190	ug/Kg
56-55-3	Benzo(a)anthracene	220		26.2	190	ug/Kg
218-01-9	Chrysene	210		22.7	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	J	25.5	190	ug/Kg
50-32-8	Benzo(a)pyrene	210		33.6	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	J	33.2	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	U	31.2	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	190		29.3	190	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	52.5		18 - 107	52%	SPK: 100
321-60-8	2-Fluorobiphenyl	49.2		20 - 109	49%	SPK: 100
1718-51-0	Terphenyl-d14	48.9		10 - 105	49%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	369000		7.745		
1146-65-2	Naphthalene-d8	1310000		10.539		
15067-26-2	Acenaphthene-d10	867000		14.392		
1517-22-2	Phenanthrene-d10	1720000		17.139		
1719-03-5	Chrysene-d12	1610000		21.386		
1520-96-3	Perylene-d12	1590000		24.374		

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-3	SDG No.:	Q1914
Lab Sample ID:	Q1914-04	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.5
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BM050107.D	1	04/30/25 11:00	05/05/25 20:16	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050107.D
 Acq On : 05 May 2025 20:16
 Operator : RC/JU
 Sample : Q1914-04
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-3

Quant Time: May 06 05:20:04 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)

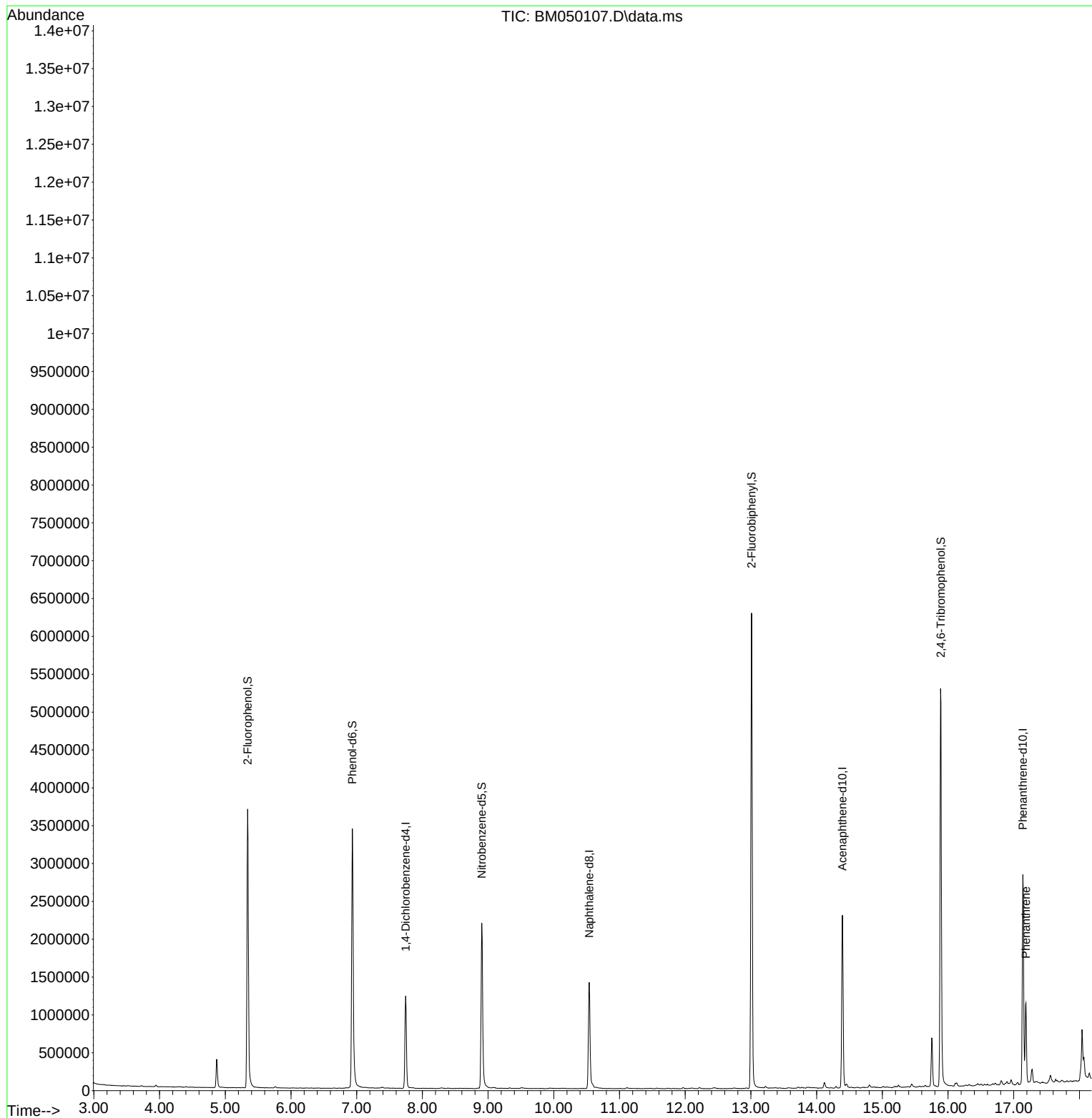
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	368852	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1311014	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	867173	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1719608	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1608473	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1592324	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1805213	85.700	ng	-0.02
7) Phenol-d6	6.934	99	2320709	87.656	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1396497	52.489	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	1191305	92.909	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	3608826	49.231	ng	-0.02
79) Terphenyl-d14	19.768	244	5314095	48.888	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.186	178	689452	7.109	ng	100
75) Fluoranthene	19.203	202	1354430	11.895	ng	99
78) Pyrene	19.562	202	1180303	10.450	ng	100
81) Benzo(a)anthracene	21.362	228	626720	5.658	ng	98
83) Chrysene	21.427	228	573228	5.592	ng	98
87) Indeno(1,2,3-cd)pyrene	27.750	276	426350	3.593	ng	97
88) Benzo(b)fluoranthene	23.433	252	754462	7.286	ng	# 97
89) Benzo(k)fluoranthene	23.486	252	275881m	2.634	ng	
90) Benzo(a)pyrene	24.233	252	541813	5.586	ng	95
92) Benzo(g,h,i)perylene	28.803	276	468965	5.065	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050107.D
Acq On : 05 May 2025 20:16
Operator : RC/JU
Sample : Q1914-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-3

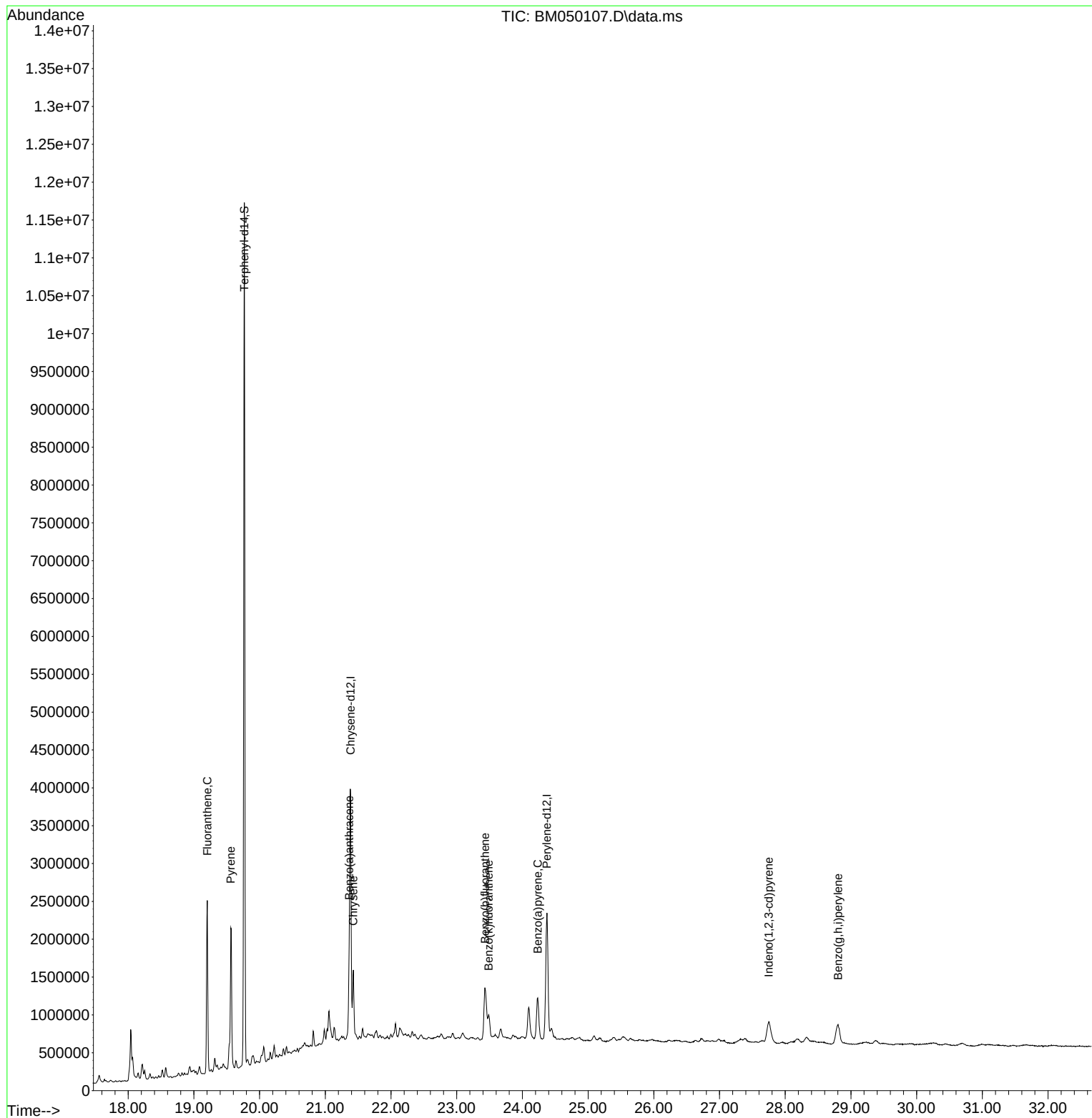
Quant Time: May 06 05:20:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

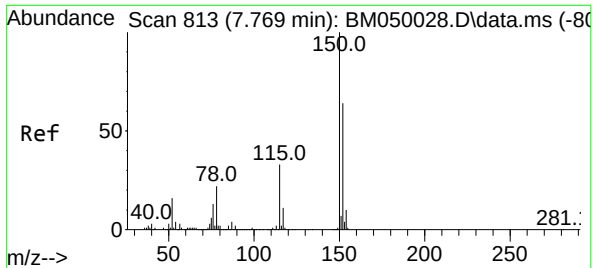


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050107.D
Acq On : 05 May 2025 20:16
Operator : RC/JU
Sample : Q1914-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-3

Quant Time: May 06 05:20:04 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

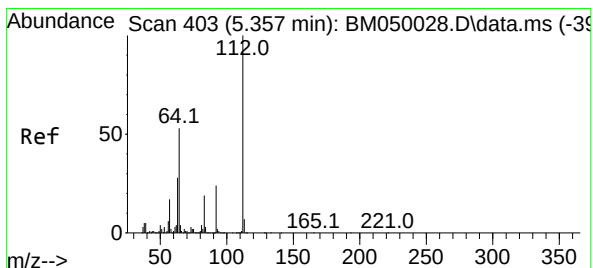
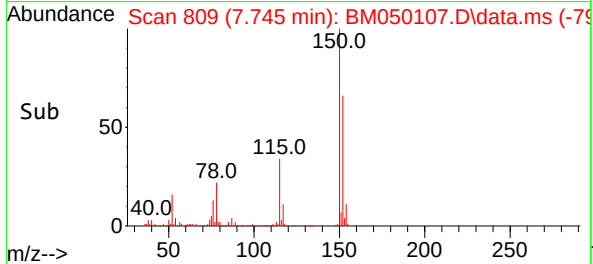
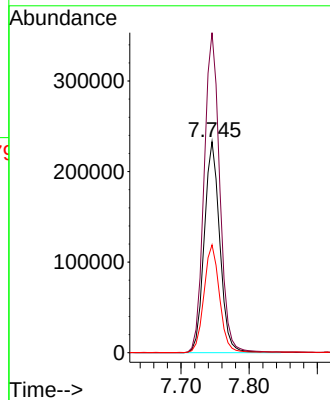
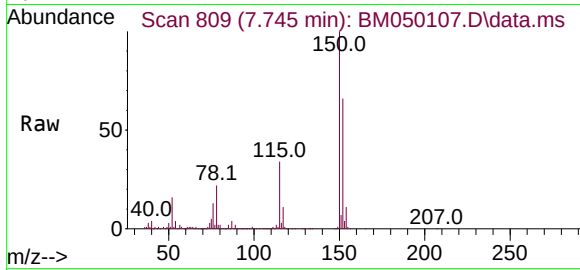




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

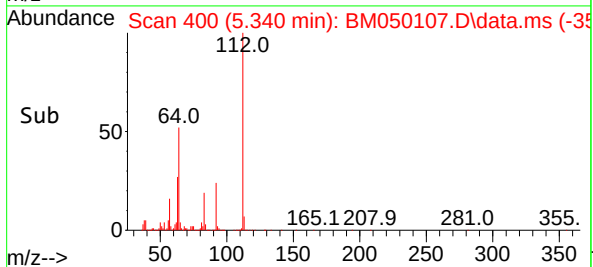
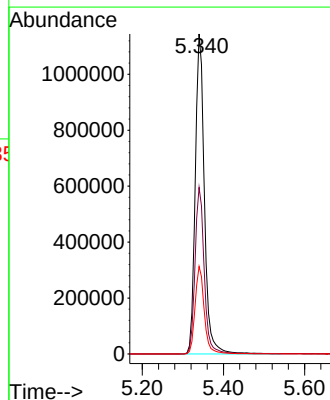
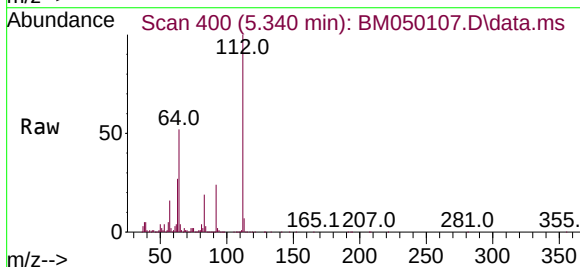
Instrument :
BNA_M
ClientSampleId :
SS-3

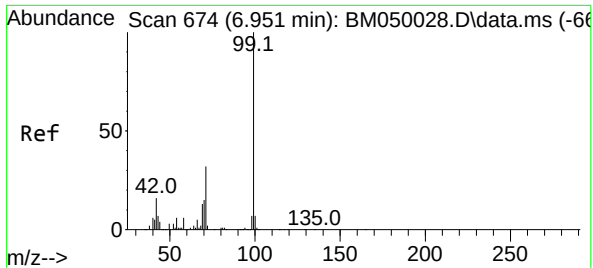
Tgt Ion:152 Resp: 368852
Ion Ratio Lower Upper
152 100
150 151.6 124.1 186.1
115 51.1 41.2 61.8



#5
2-Fluorophenol
Concen: 85.700 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion:112 Resp: 1805213
Ion Ratio Lower Upper
112 100
64 52.1 42.6 64.0
63 27.4 22.2 33.4

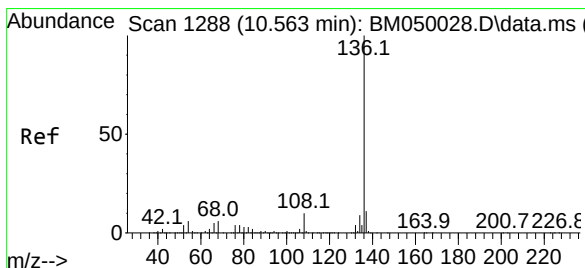
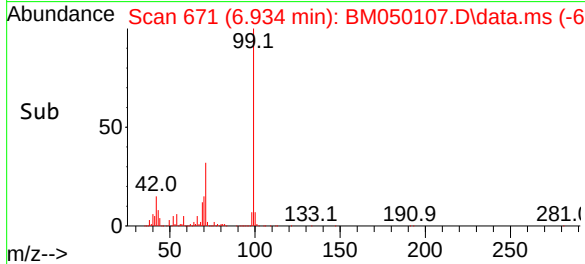
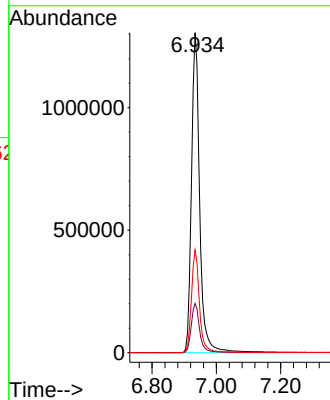
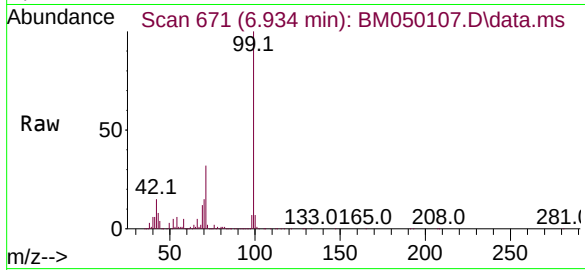




#7
Phenol-d6
Concen: 87.656 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

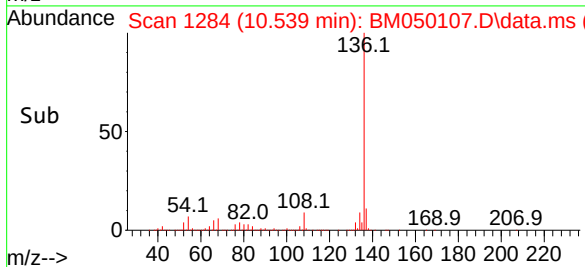
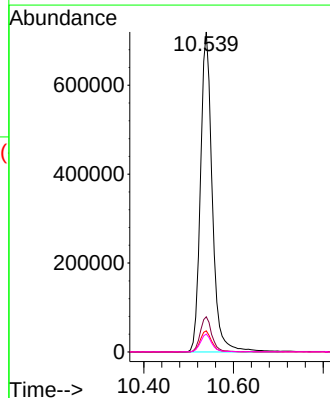
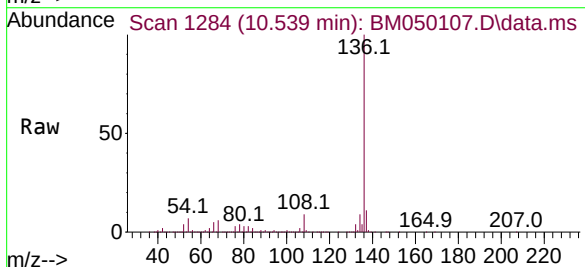
Instrument :
BNA_M
ClientSampleId :
SS-3

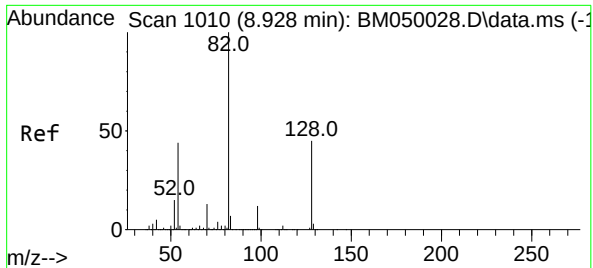
Tgt Ion: 99 Resp: 2320709
Ion Ratio Lower Upper
99 100
42 15.4 13.0 19.4
71 32.0 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion: 136 Resp: 1311014
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.6 5.1 7.7
68 5.6 4.4 6.6

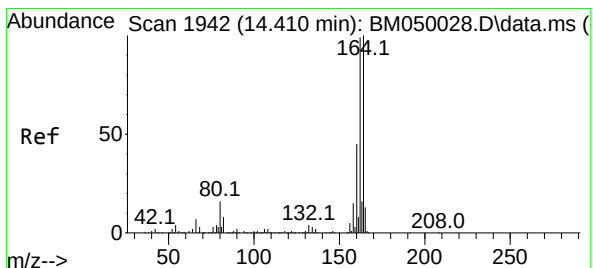
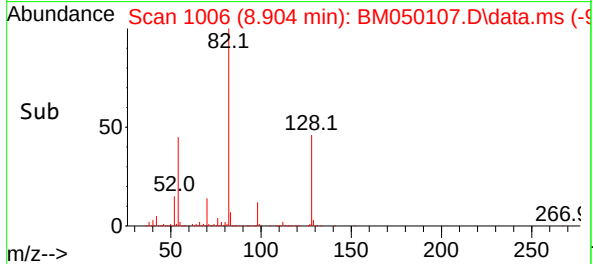
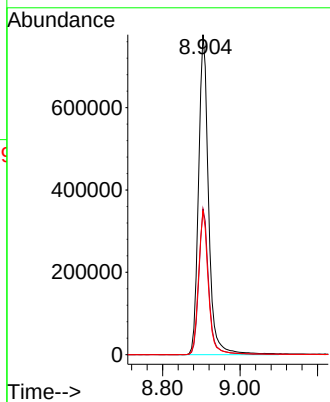
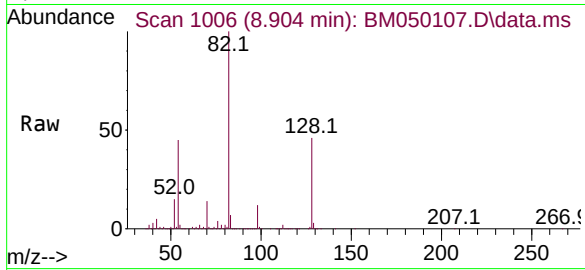




#23
Nitrobenzene-d5
Concen: 52.489 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

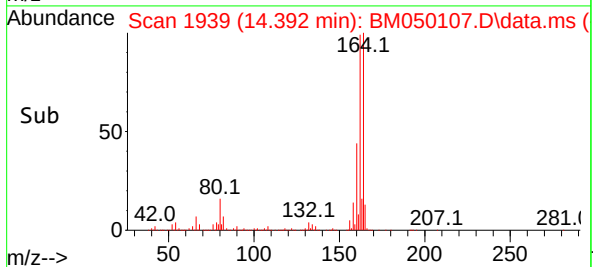
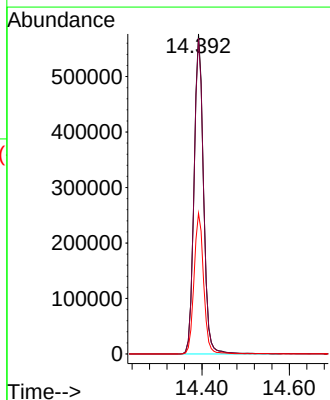
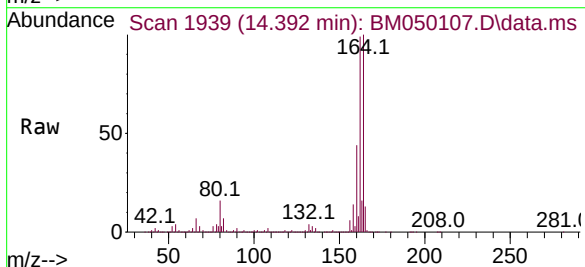
Instrument :
BNA_M
ClientSampleId :
SS-3

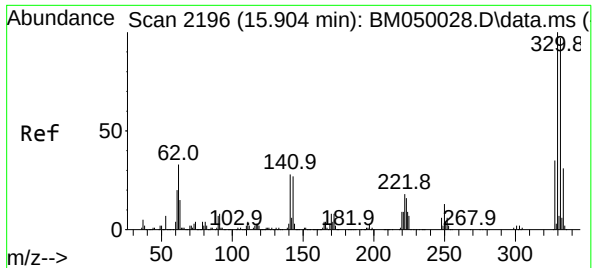
Tgt Ion: 82 Resp: 1396497
Ion Ratio Lower Upper
82 100
128 45.5 35.7 53.5
54 44.9 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

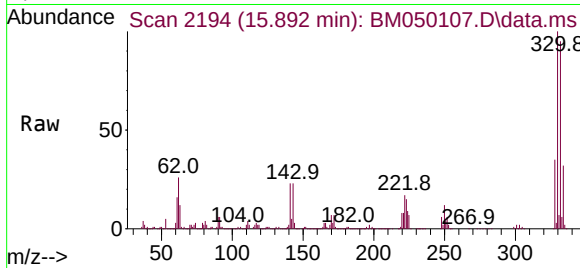
Tgt Ion:164 Resp: 867173
Ion Ratio Lower Upper
164 100
162 98.6 79.4 119.0
160 44.0 36.2 54.4



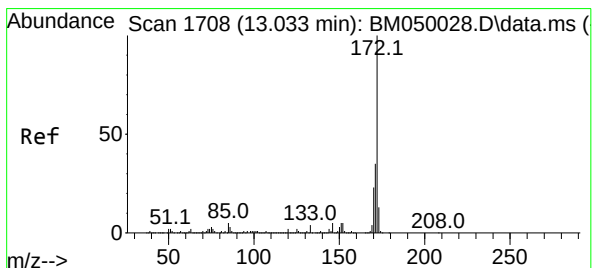
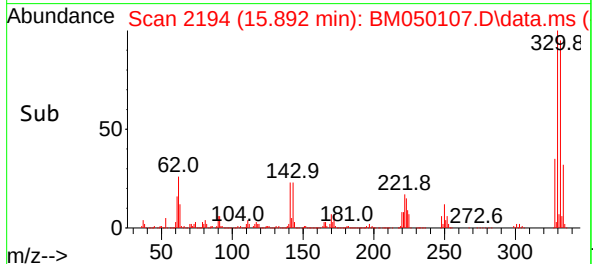
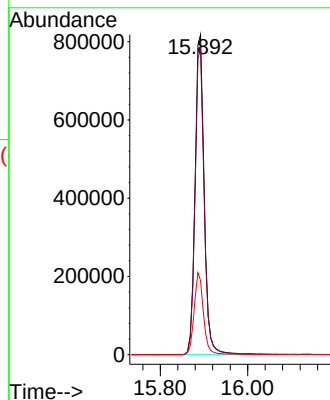


#42
2,4,6-Tribromophenol
Concen: 92.909 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Instrument :
BNA_M
ClientSampleId :
SS-3

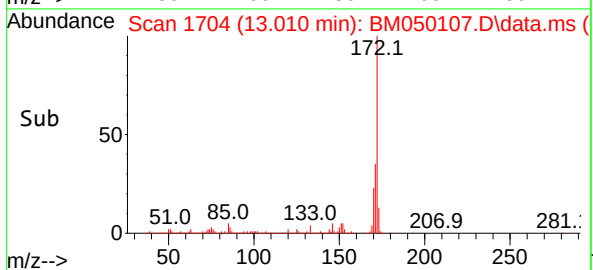
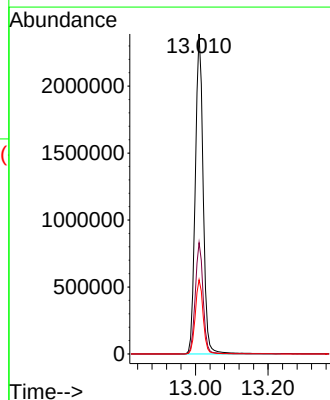
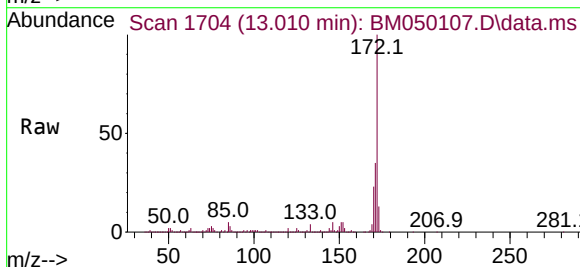


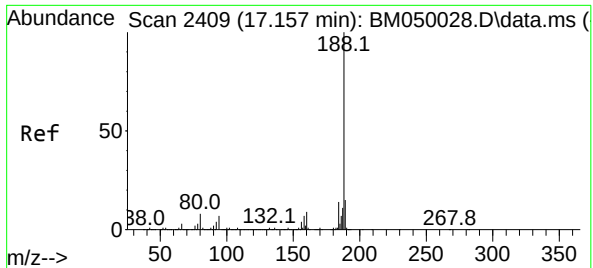
Tgt Ion:330 Resp: 1191305
Ion Ratio Lower Upper
330 100
332 96.1 77.3 115.9
141 26.3 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 49.231 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion:172 Resp: 3608826
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.6
170 23.2 18.6 28.0

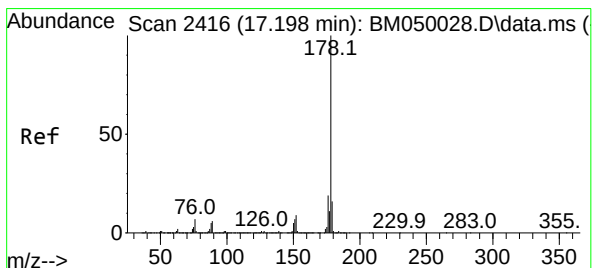
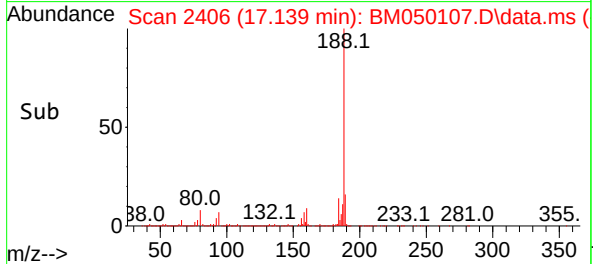
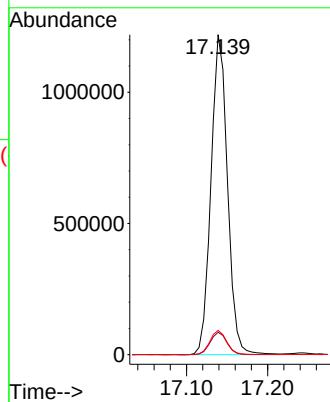
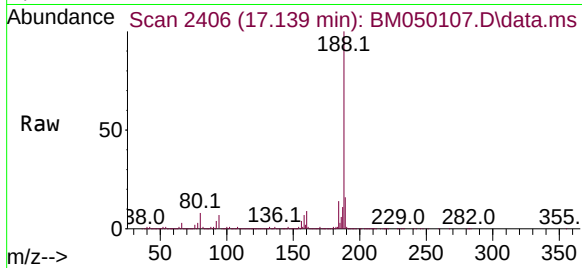




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

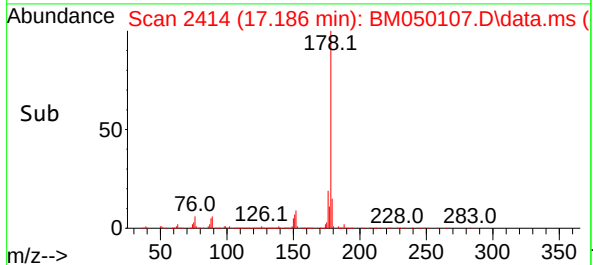
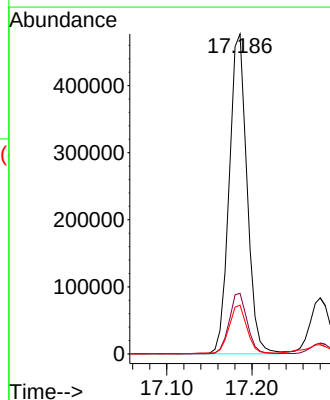
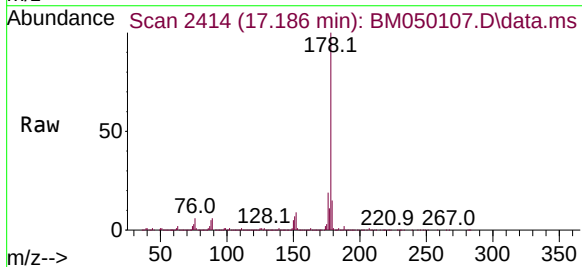
Instrument :
BNA_M
ClientSampleId :
SS-3

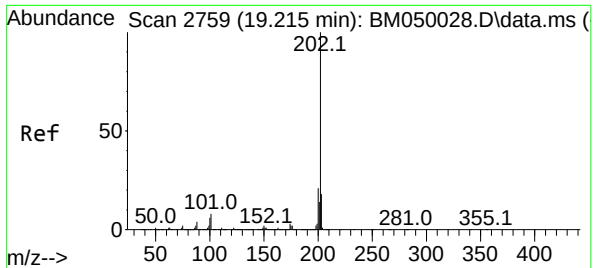
Tgt Ion:188 Resp: 1719608
Ion Ratio Lower Upper
188 100
94 7.0 5.7 8.5
80 7.6 6.2 9.4



#71
Phenanthrene
Concen: 7.109 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.012 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion:178 Resp: 689452
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.3 12.4 18.6

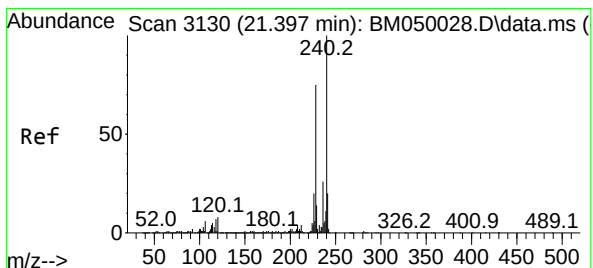
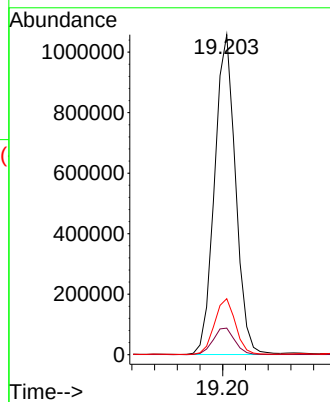
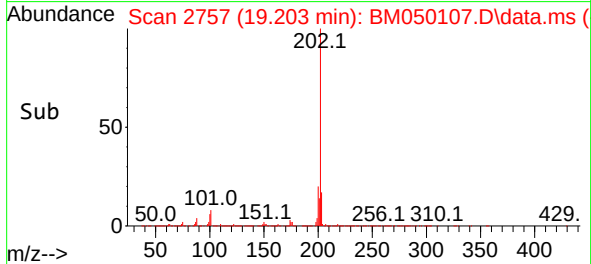
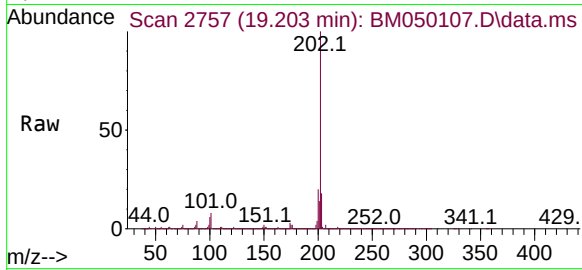




#75
Fluoranthene
Concen: 11.895 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

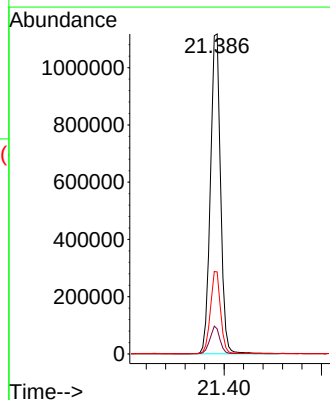
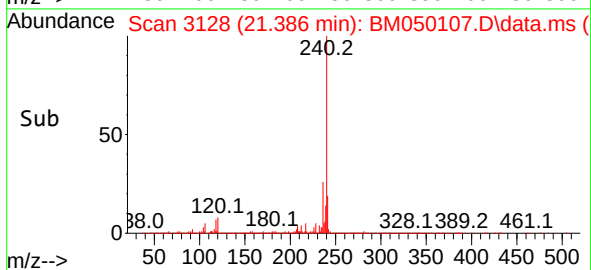
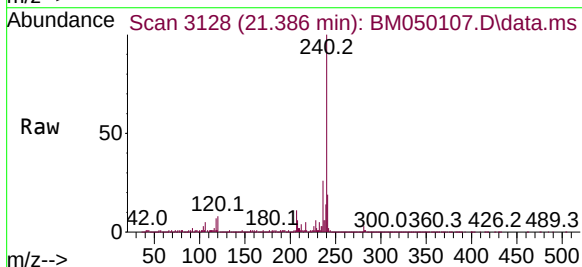
Instrument :
BNA_M
ClientSampleId :
SS-3

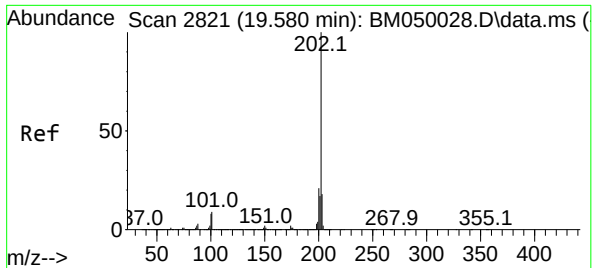
Tgt Ion:202 Resp: 1354430
Ion Ratio Lower Upper
202 100
101 8.3 0.0 28.0
203 17.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion:240 Resp: 1608473
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 25.6 20.9 31.3

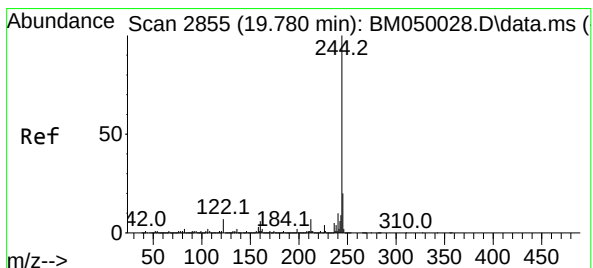
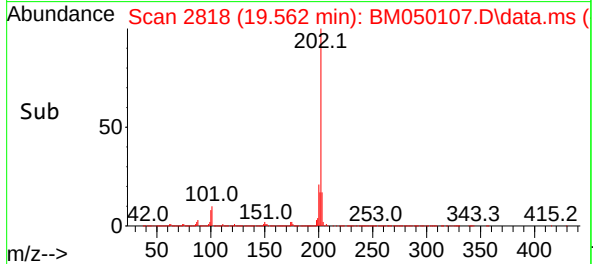
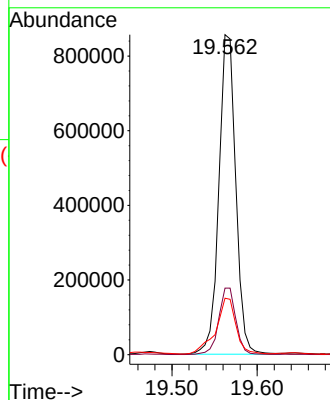
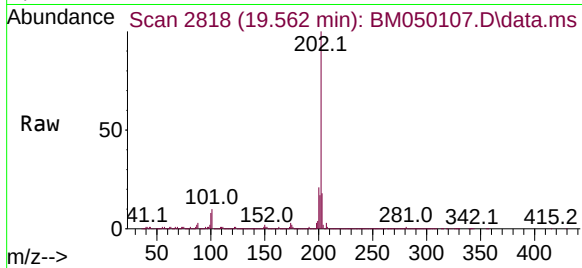




#78
Pyrene
Concen: 10.450 ng
RT: 19.562 min Scan# 2818
Delta R.T. -0.018 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

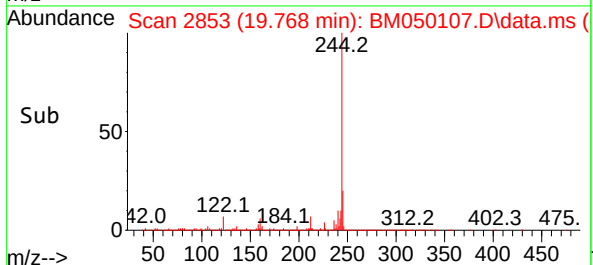
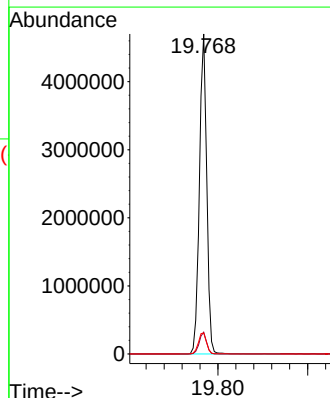
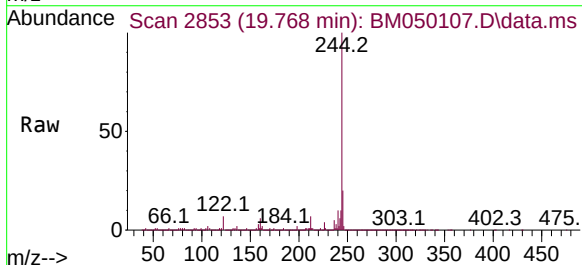
Instrument :
BNA_M
ClientSampleId :
SS-3

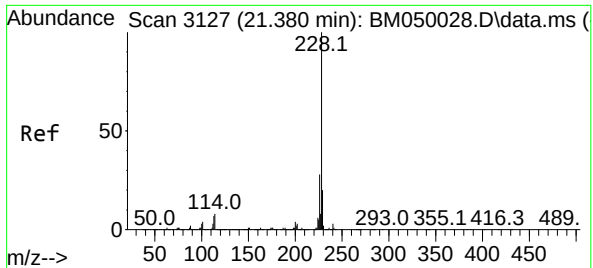
Tgt Ion:202 Resp: 1180303
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 17.7 14.1 21.1



#79
Terphenyl-d14
Concen: 48.888 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion:244 Resp: 5314095
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 6.6 5.6 8.4

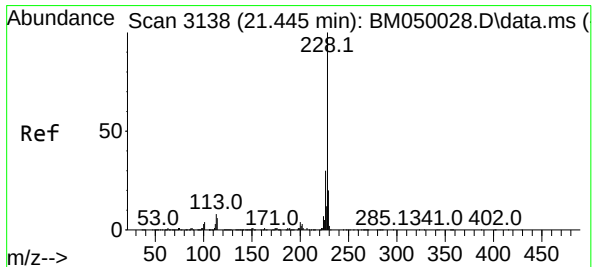
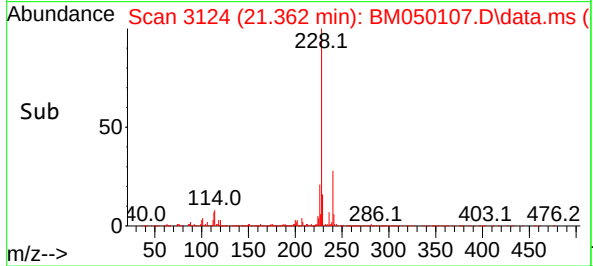
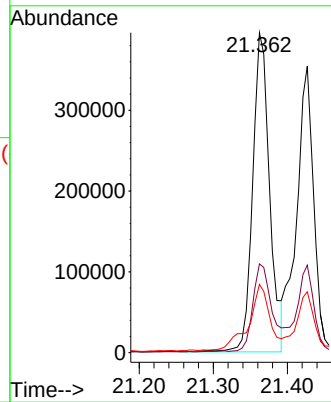
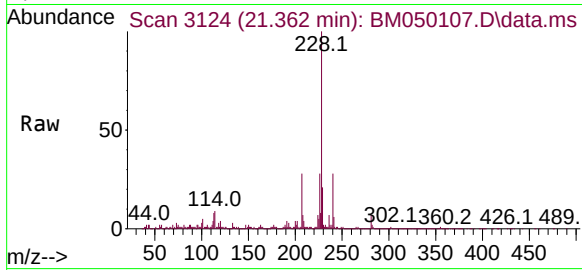




#81
Benzo(a)anthracene
Concen: 5.658 ng
RT: 21.362 min Scan# 3124
Delta R.T. -0.018 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

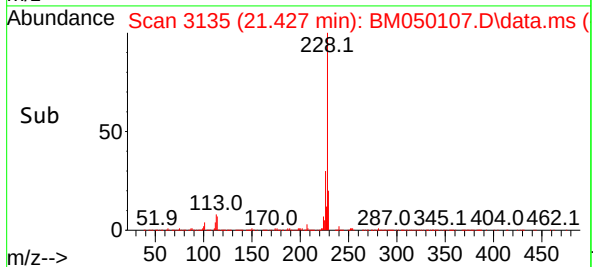
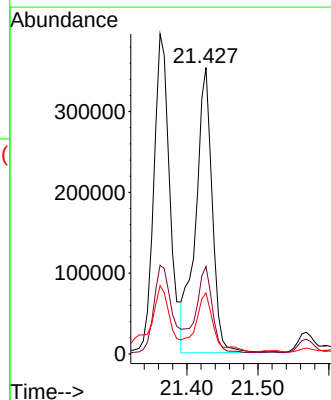
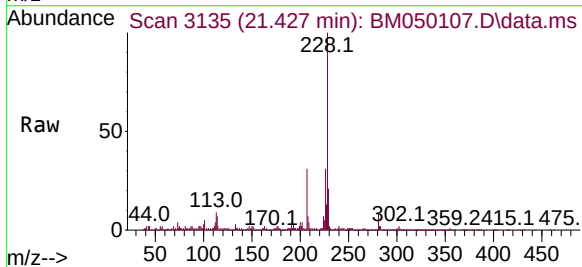
Instrument :
BNA_M
ClientSampleId :
SS-3

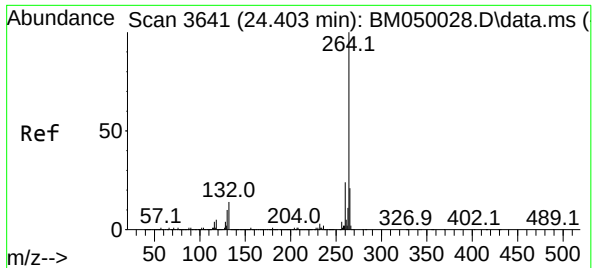
Tgt Ion:228 Resp: 626720
Ion Ratio Lower Upper
228 100
226 27.8 22.1 33.1
229 21.4 15.7 23.5



#83
Chrysene
Concen: 5.592 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.018 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion:228 Resp: 573228
Ion Ratio Lower Upper
228 100
226 30.6 24.2 36.2
229 21.3 15.7 23.5

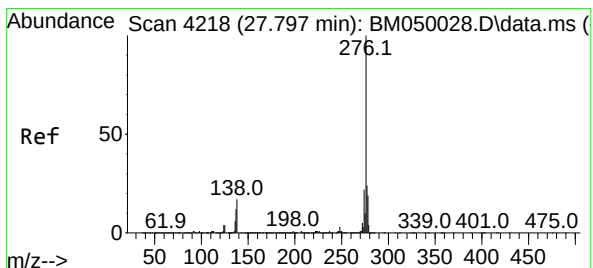
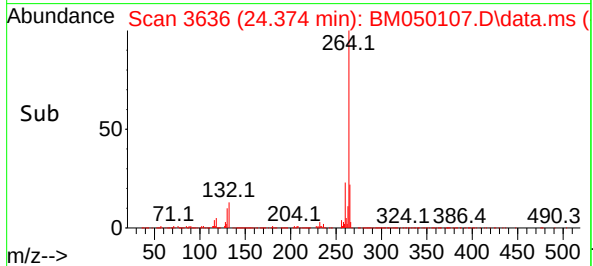
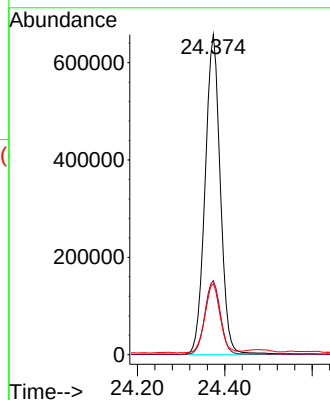
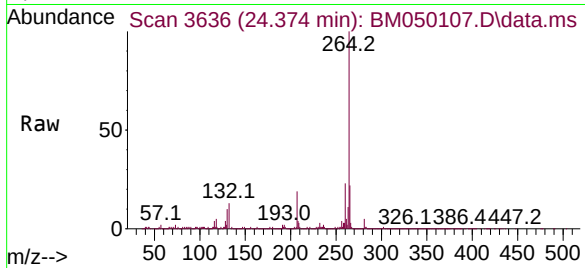




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 30
Delta R.T. -0.029 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

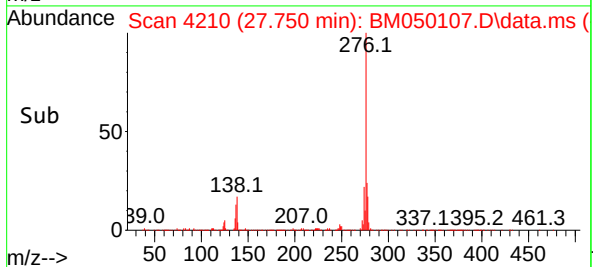
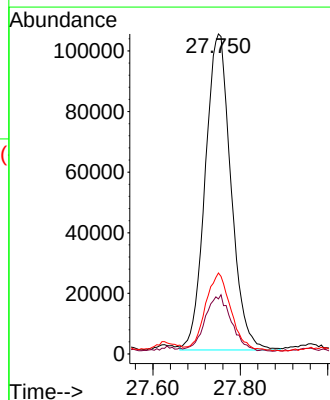
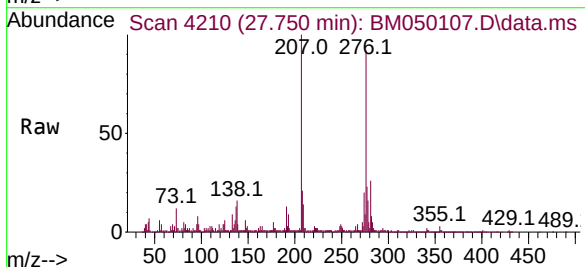
Instrument :
BNA_M
ClientSampleId :
SS-3

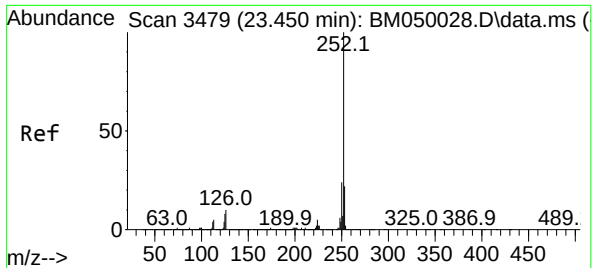
Tgt Ion:264 Resp: 1592324
Ion Ratio Lower Upper
264 100
260 23.2 18.8 28.2
265 22.2 17.0 25.4



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.593 ng
RT: 27.750 min Scan# 4210
Delta R.T. -0.047 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion:276 Resp: 426350
Ion Ratio Lower Upper
276 100
138 17.7 16.4 24.6
277 24.5 19.8 29.8

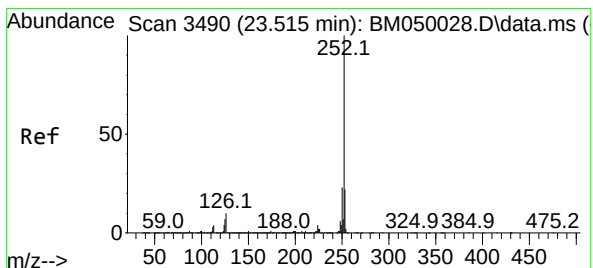
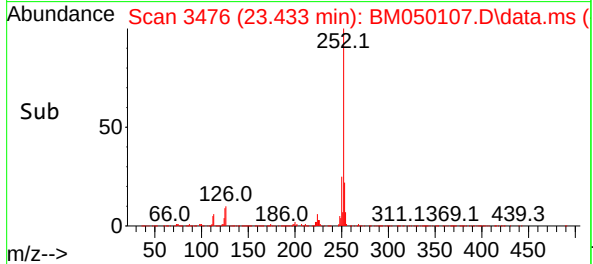
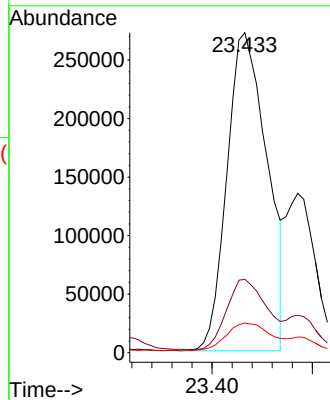
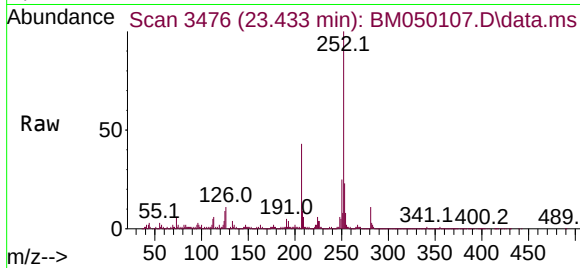




#88
Benzo(b)fluoranthene
Concen: 7.286 ng
RT: 23.433 min Scan# 3479
Delta R.T. -0.018 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

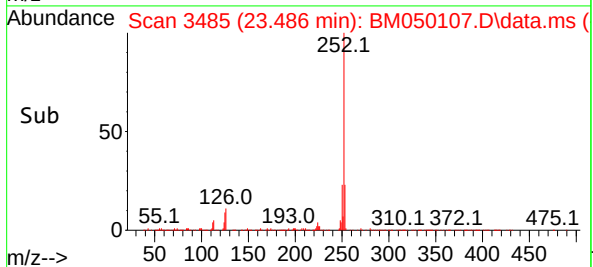
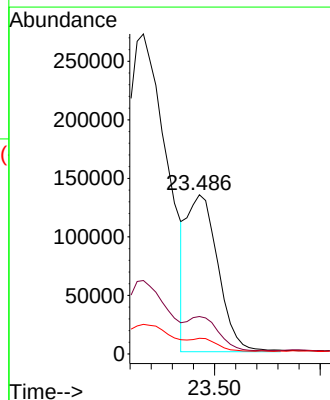
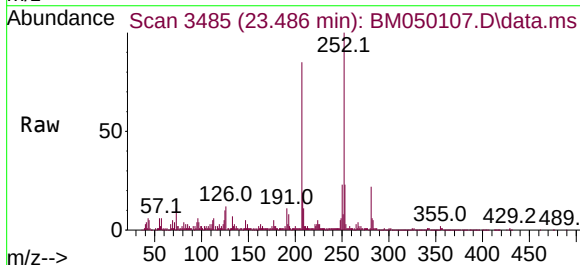
Instrument :
BNA_M
ClientSampleId :
SS-3

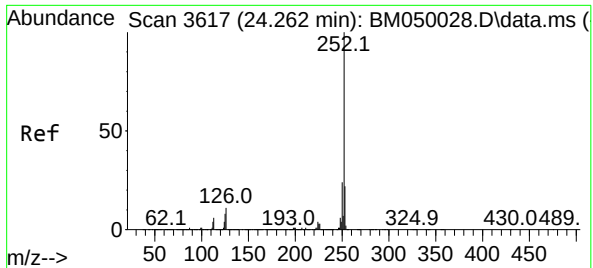
Tgt Ion:252 Resp: 754462
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 9.3 6.1 9.1#



#89
Benzo(k)fluoranthene
Concen: 2.634 ng m
RT: 23.486 min Scan# 3485
Delta R.T. -0.029 min
Lab File: BM050107.D
Acq: 05 May 2025 20:16

Tgt Ion:252 Resp: 275881
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 9.9 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 5.586 ng

RT: 24.233 min Scan# 3

Delta R.T. -0.029 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

Instrument :

BNA_M

ClientSampleId :

SS-3

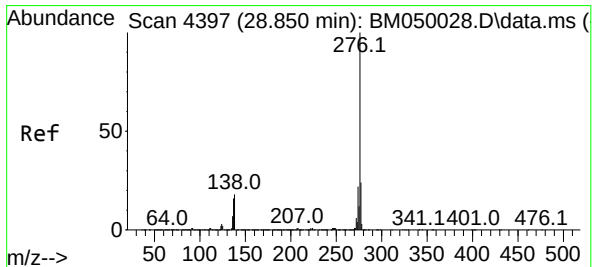
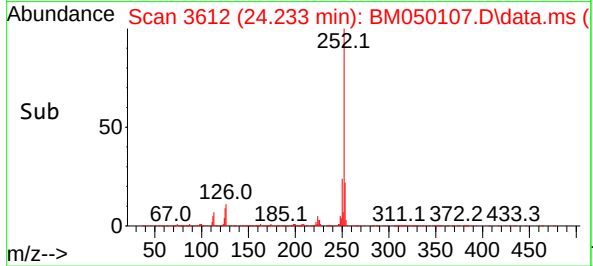
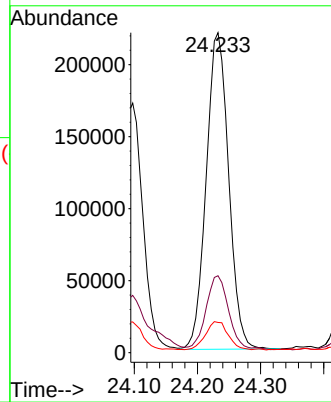
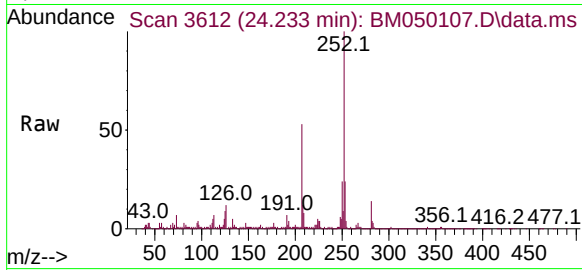
Tgt Ion:252 Resp: 541813

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.0

125 9.4 6.6 9.8



#92

Benzo(g,h,i)perylene

Concen: 5.065 ng

RT: 28.803 min Scan# 4389

Delta R.T. -0.047 min

Lab File: BM050107.D

Acq: 05 May 2025 20:16

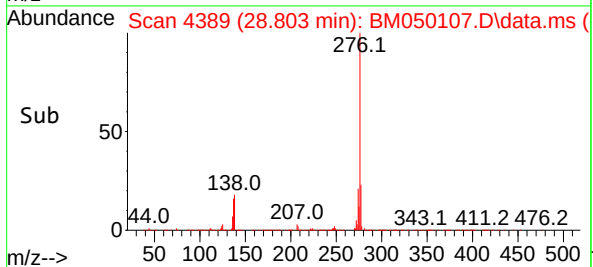
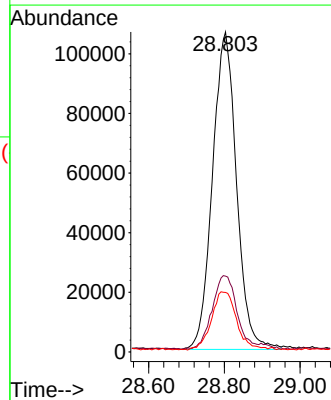
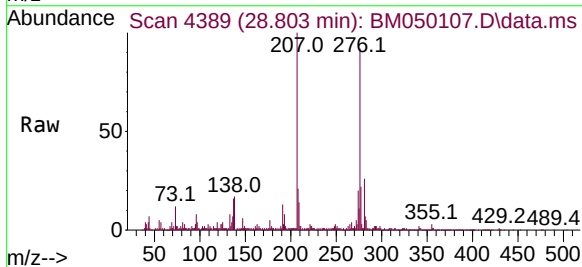
Tgt Ion:276 Resp: 468965

Ion Ratio Lower Upper

276 100

277 23.7 19.1 28.7

138 18.6 14.3 21.5



Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-4	SDG No.:	Q1914
Lab Sample ID:	Q1914-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BM050072.D	1	04/30/25 11:00	05/01/25 20:00	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	200	U	26.2	200	ug/Kg
208-96-8	Acenaphthylene	200	U	33.4	200	ug/Kg
83-32-9	Acenaphthene	200	U	24.6	200	ug/Kg
86-73-7	Fluorene	200	U	29.2	200	ug/Kg
85-01-8	Phenanthrene	300		24.2	200	ug/Kg
120-12-7	Anthracene	200	U	38.5	200	ug/Kg
206-44-0	Fluoranthene	630		34.7	200	ug/Kg
129-00-0	Pyrene	520		41.6	200	ug/Kg
56-55-3	Benzo(a)anthracene	320		26.6	200	ug/Kg
218-01-9	Chrysene	310		23.0	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	J	25.9	200	ug/Kg
50-32-8	Benzo(a)pyrene	330		34.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	J	33.6	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	200	U	31.7	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	250		29.7	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	41.7		18 - 107	42%	SPK: 100
321-60-8	2-Fluorobiphenyl	38.3		20 - 109	38%	SPK: 100
1718-51-0	Terphenyl-d14	35.7		10 - 105	36%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	267000		7.745		
1146-65-2	Naphthalene-d8	987000		10.539		
15067-26-2	Acenaphthene-d10	682000		14.392		
1517-22-2	Phenanthrene-d10	1410000		17.139		
1719-03-5	Chrysene-d12	1410000		21.38		
1520-96-3	Perylene-d12	1420000		24.368		

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-4	SDG No.:	Q1914
Lab Sample ID:	Q1914-05	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	86.5
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BM050072.D	1	04/30/25 11:00	05/01/25 20:00	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
 Data File : BM050072.D
 Acq On : 01 May 2025 20:00
 Operator : RC/JU
 Sample : Q1914-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-4

Manual Integrations
APPROVED

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

Quant Time: May 02 01:12:18 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	266849	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	987063	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	682416	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1413674	20.000	ng	-0.02
76) Chrysene-d12	21.380	240	1410216	20.000	ng	-0.02
86) Perylene-d12	24.368	264	1421527	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1083091	71.073	ng	-0.02
7) Phenol-d6	6.934	99	1431584	74.742	ng	-0.02
23) Nitrobenzene-d5	8.904	82	834787	41.674	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	719122	71.268	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2208129	38.278	ng	-0.02
79) Terphenyl-d14	19.768	244	3399375	35.670	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	17.186	178	614421	7.706	ng	100
75) Fluoranthene	19.203	202	1542165	16.474	ng	99
78) Pyrene	19.562	202	1336131	13.492	ng	100
81) Benzo(a)anthracene	21.362	228	806143	8.301	ng	98
83) Chrysene	21.427	228	729730	8.119	ng	98
87) Indeno(1,2,3-cd)pyrene	27.744	276	528099	4.986	ng	97
88) Benzo(b)fluoranthene	23.433	252	1089016	11.780	ng	97
89) Benzo(k)fluoranthene	23.486	252	326794m	3.495	ng	
90) Benzo(a)pyrene	24.227	252	738125	8.525	ng	98
92) Benzo(g,h,i)perylene	28.803	276	530889	6.422	ng	99

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

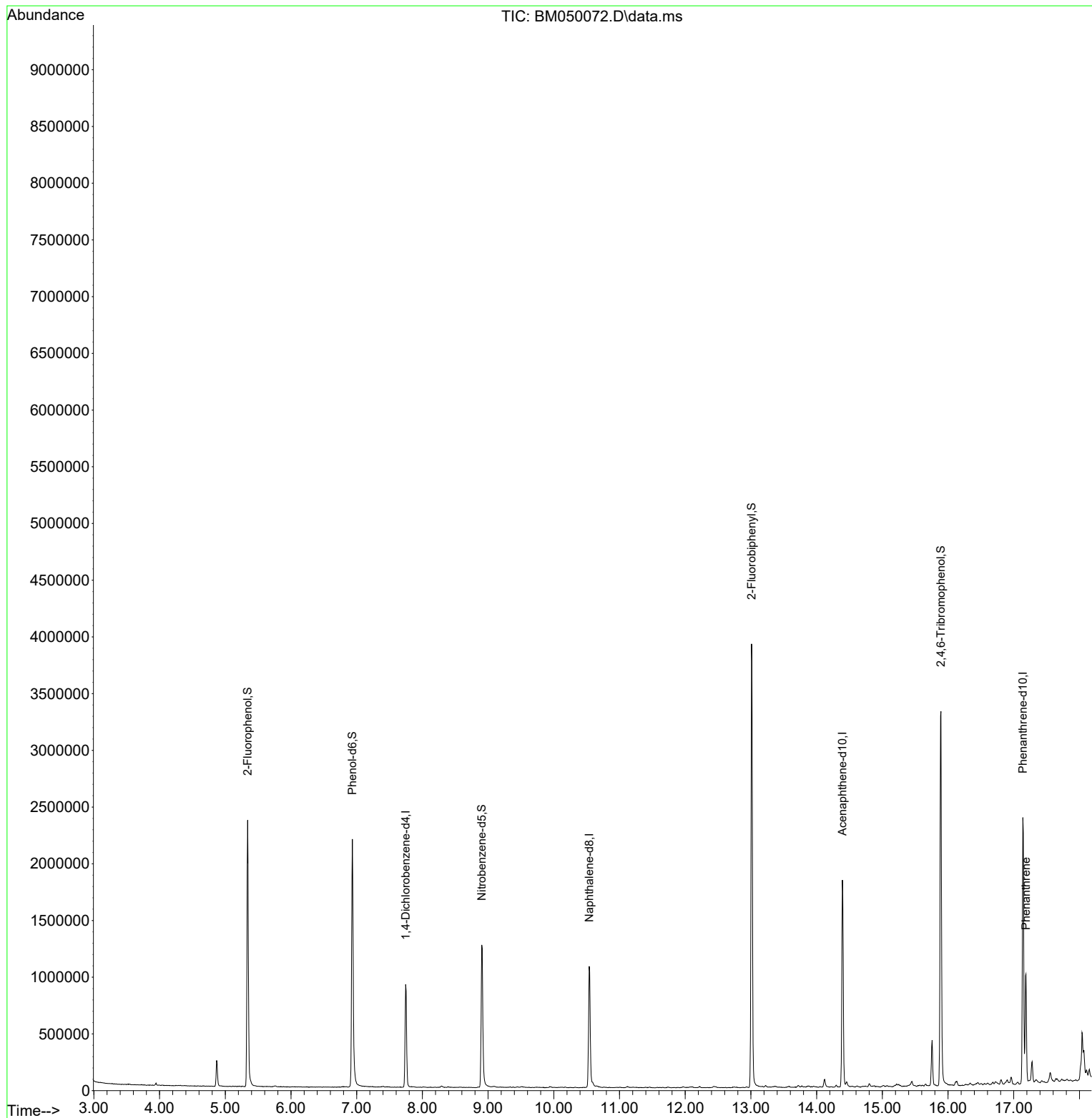
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Data File : BM050072.D
Acq On : 01 May 2025 20:00
Operator : RC/JU
Sample : Q1914-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-4

Manual Integrations
APPROVED

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

Quant Time: May 02 01:12:18 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



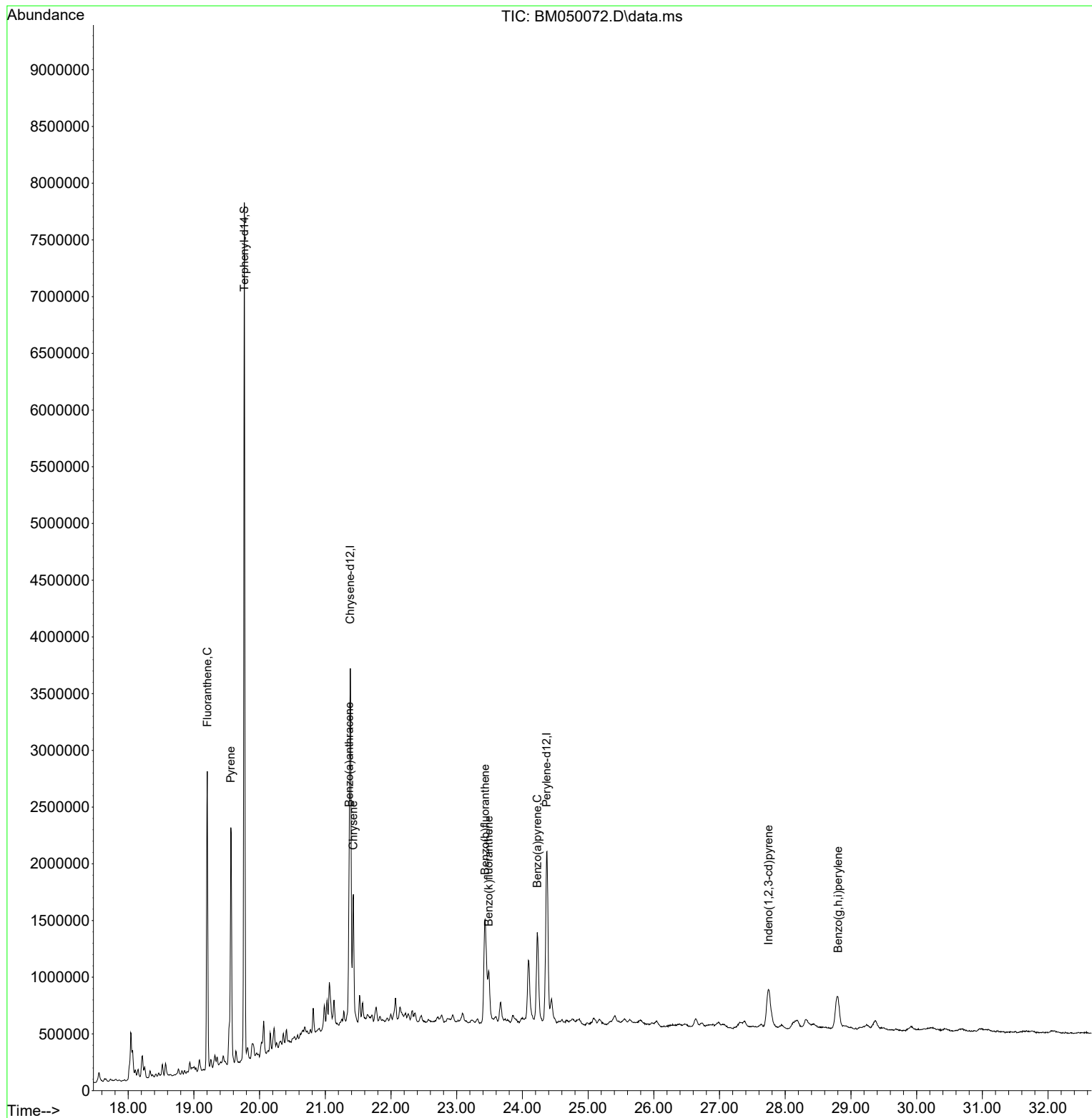
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Data File : BM050072.D
Acq On : 01 May 2025 20:00
Operator : RC/JU
Sample : Q1914-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

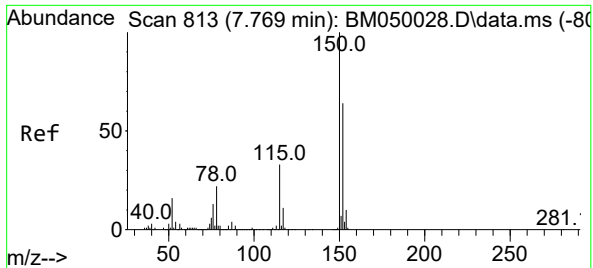
Instrument :
BNA_M
ClientSampleId :
SS-4

Manual Integrations
APPROVED

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

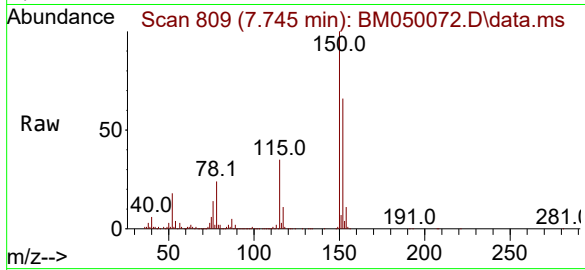
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

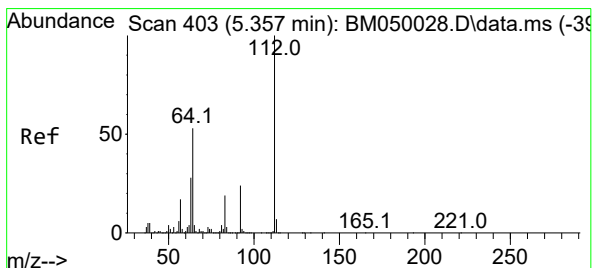
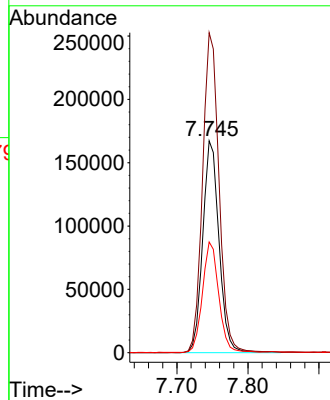
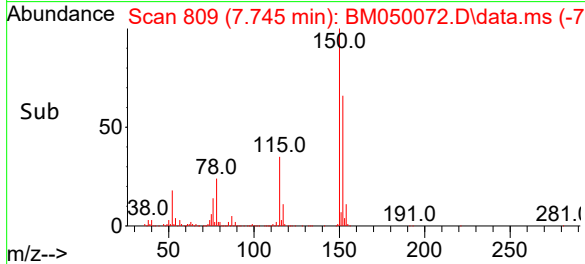
Instrument :
BNA_M
ClientSampleId :
SS-4



Tgt Ion:152 Resp: 266849
Ion Ratio Lower Upper
152 100
150 151.1 124.1 186.1
115 52.3 41.2 61.8

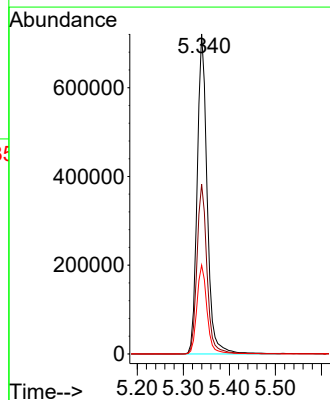
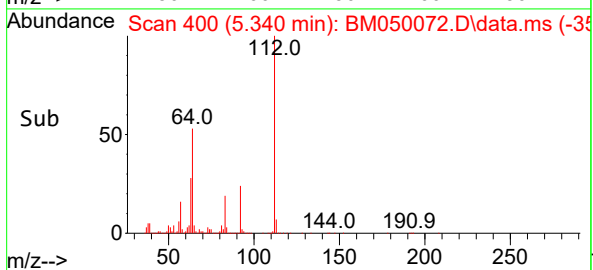
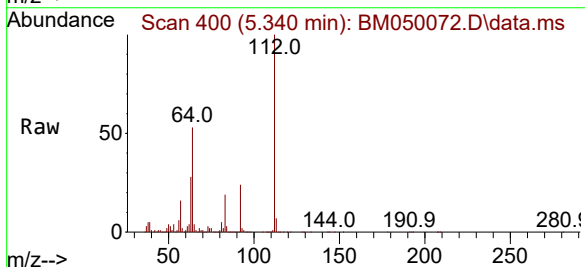
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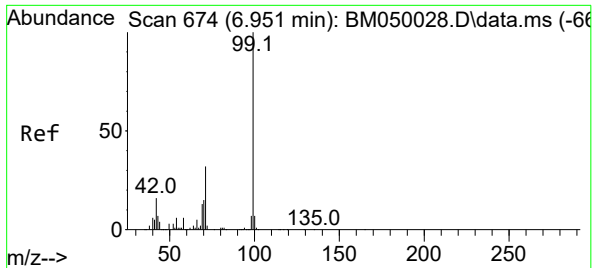
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#5
2-Fluorophenol
Concen: 71.073 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

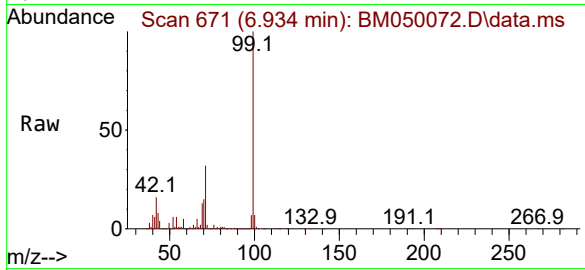
Tgt Ion:112 Resp: 1083091
Ion Ratio Lower Upper
112 100
64 53.0 42.6 64.0
63 27.7 22.2 33.4





#7
Phenol-d6
Concen: 74.742 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

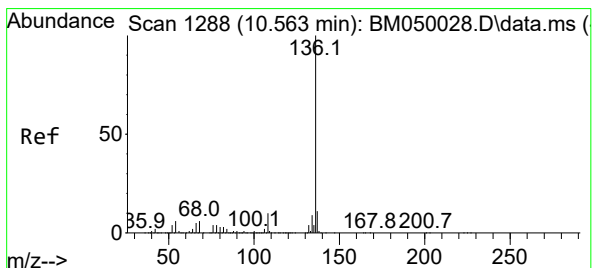
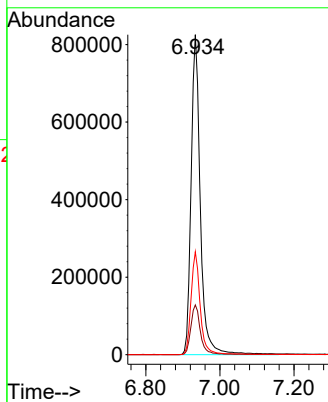
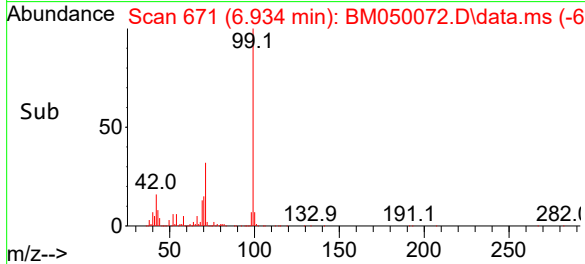
Instrument :
BNA_M
ClientSampleId :
SS-4



Tgt Ion: 99 Resp: 1431584
Ion Ratio Lower Upper
99 100
42 15.6 13.0 19.4
71 32.1 25.6 38.4

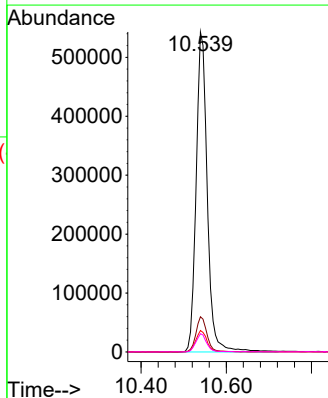
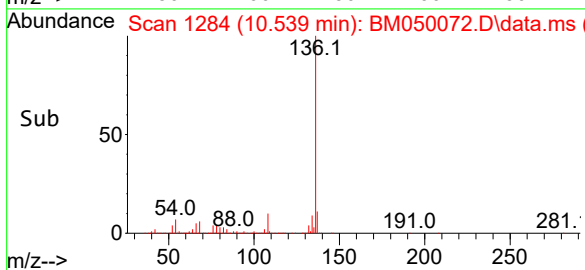
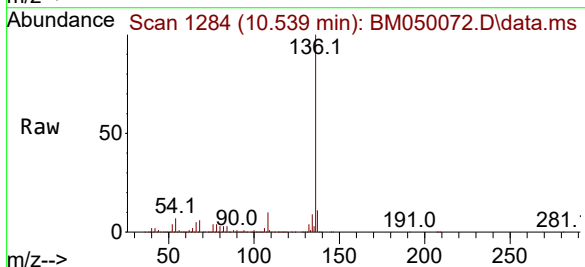
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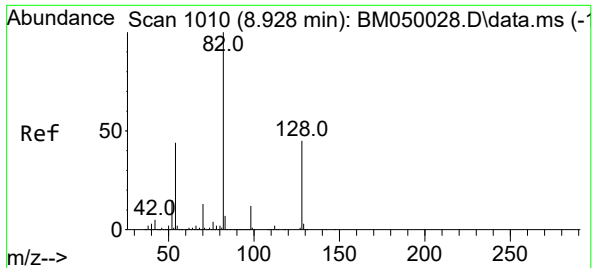
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

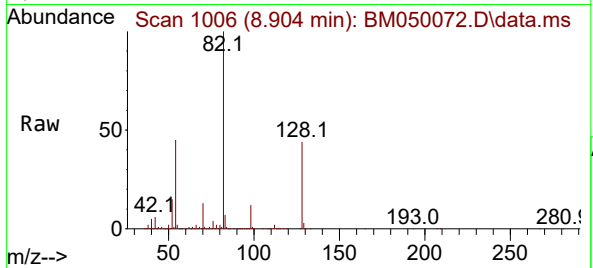
Tgt Ion:136 Resp: 987063
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.7 5.1 7.7
68 5.7 4.4 6.6





#23
Nitrobenzene-d5
Concen: 41.674 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

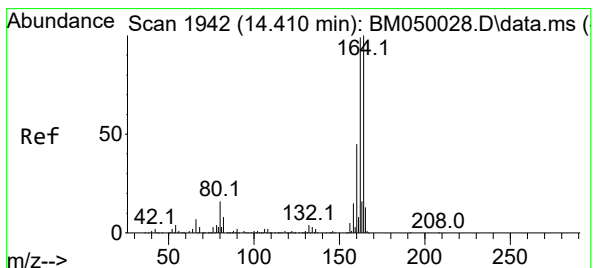
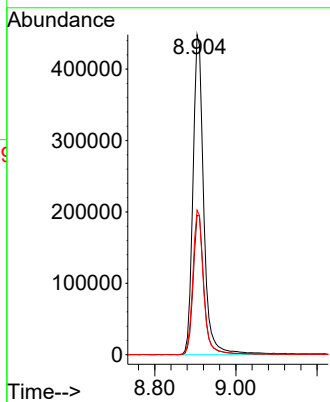
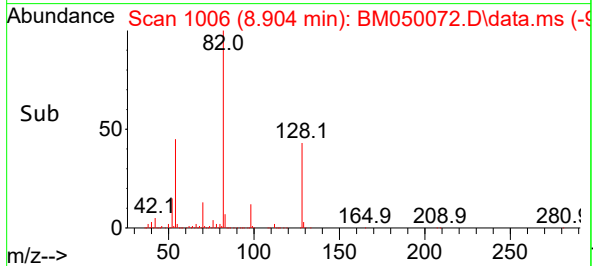
Instrument :
BNA_M
ClientSampleId :
SS-4



Tgt Ion: 82 Resp: 83478
Ion Ratio Lower Upper
82 100
128 43.5 35.7 53.5
54 45.1 35.4 53.2

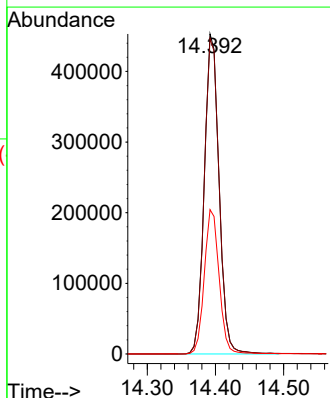
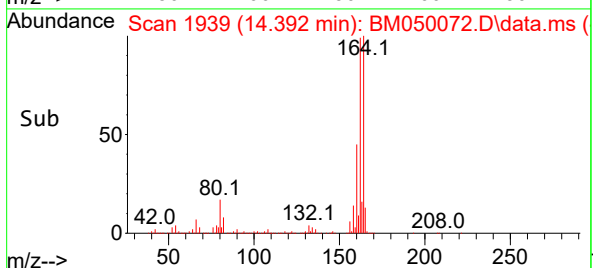
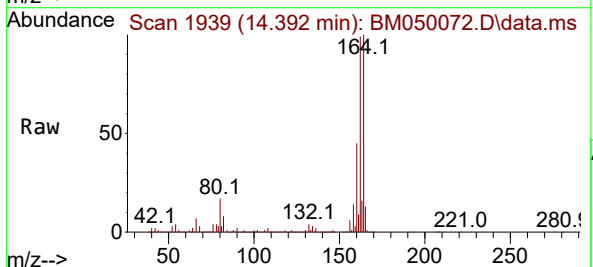
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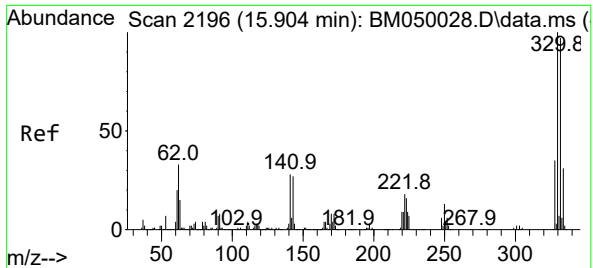
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

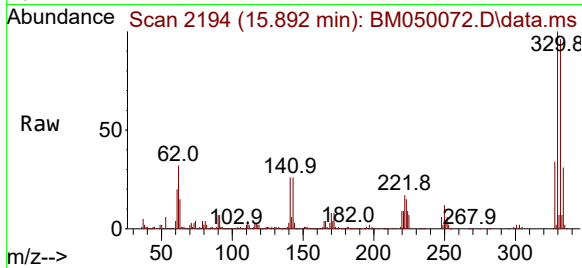
Tgt Ion:164 Resp: 682416
Ion Ratio Lower Upper
164 100
162 98.5 79.4 119.0
160 45.1 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 71.268 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

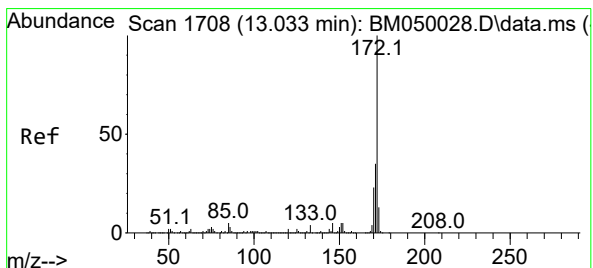
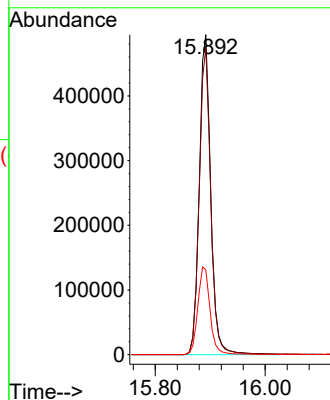
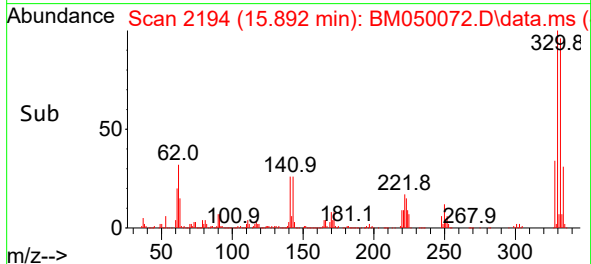
Instrument :
BNA_M
ClientSampleId :
SS-4



Tgt Ion:330 Resp: 71912
Ion Ratio Lower Upper
330 100
332 95.6 77.3 115.9
141 29.0 22.5 33.7

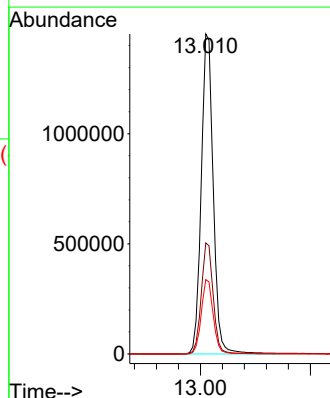
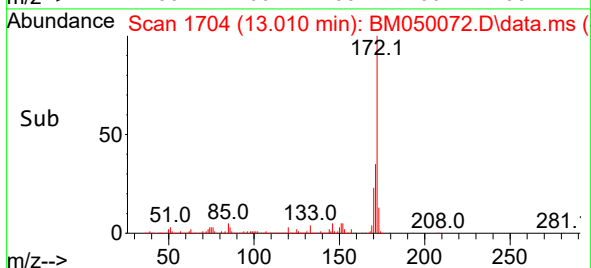
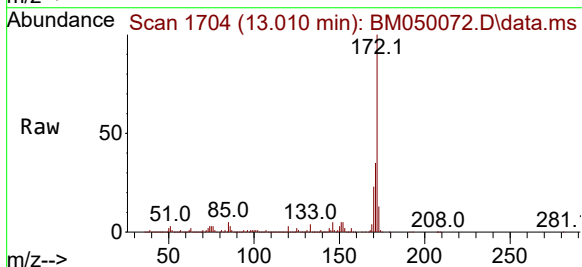
Manual Integrations
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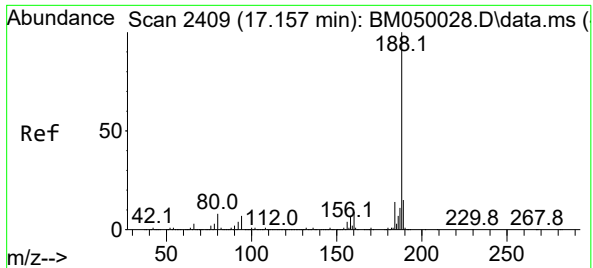
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#45
2-Fluorobiphenyl
Concen: 38.278 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

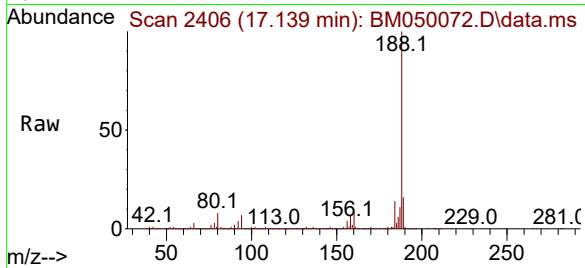
Tgt Ion:172 Resp: 2208129
Ion Ratio Lower Upper
172 100
171 34.7 27.8 41.6
170 23.2 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

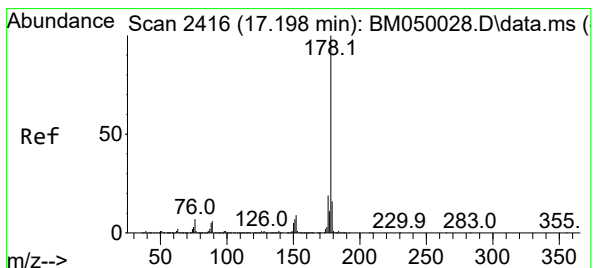
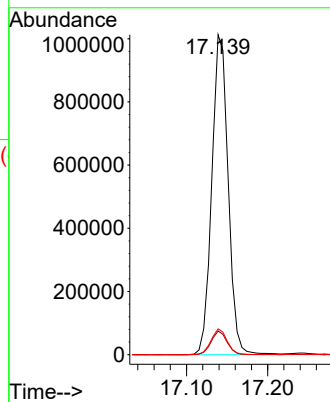
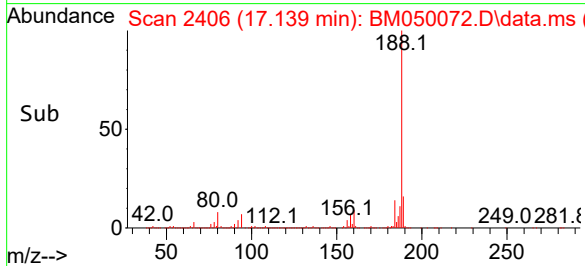
Instrument :
BNA_M
ClientSampleId :
SS-4



Tgt Ion:188 Resp: 1413674
Ion Ratio Lower Upper
188 100
94 7.4 5.7 8.5
80 8.1 6.2 9.4

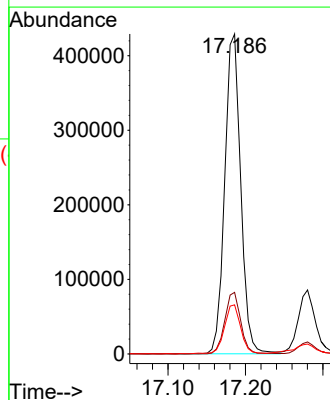
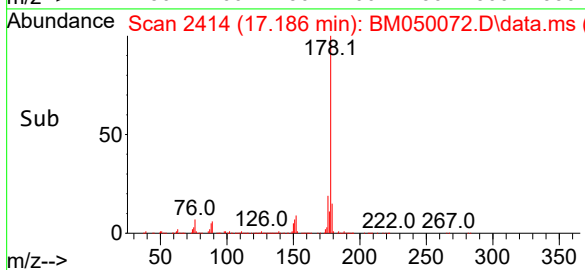
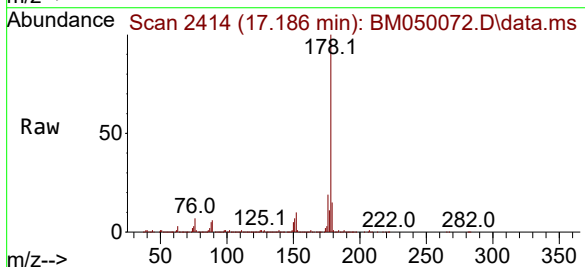
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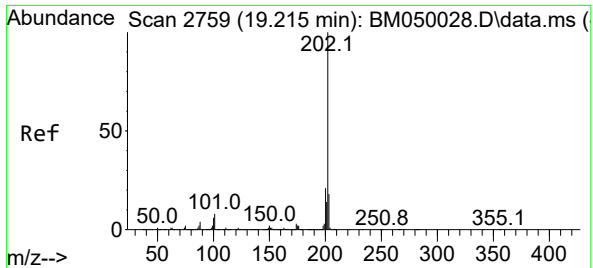
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#71
Phenanthrene
Concen: 7.706 ng
RT: 17.186 min Scan# 2414
Delta R.T. -0.012 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

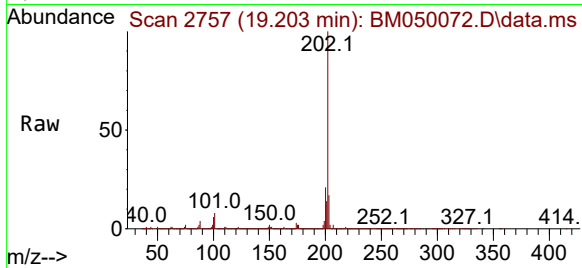
Tgt Ion:178 Resp: 614421
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 15.4 12.4 18.6





#75
Fluoranthene
Concen: 16.474 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

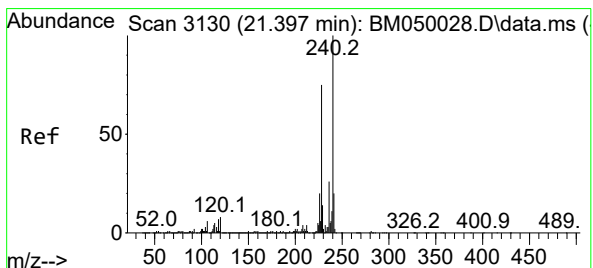
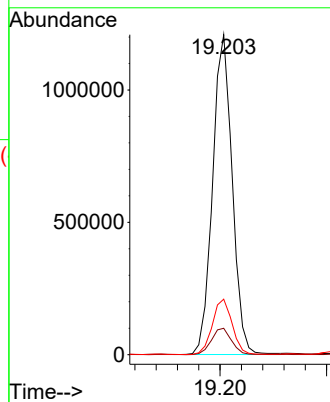
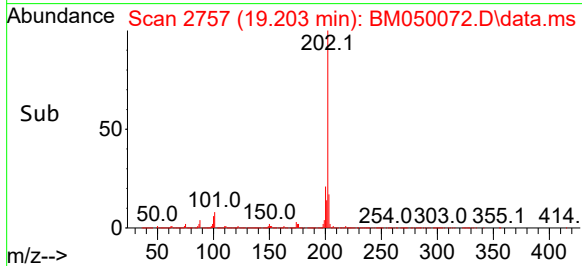
Instrument :
BNA_M
ClientSampleId :
SS-4



Tgt Ion:202 Resp: 154216
Ion Ratio Lower Upper
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101 8.2 0.0 28.0
203 17.3 0.0 37.7

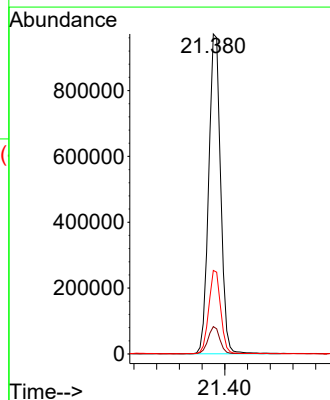
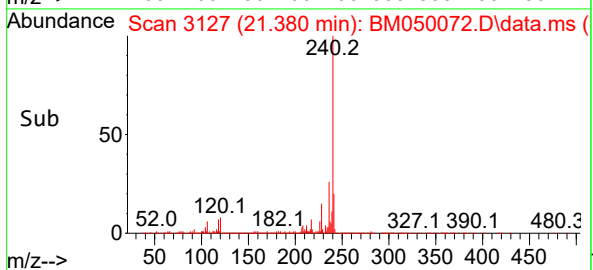
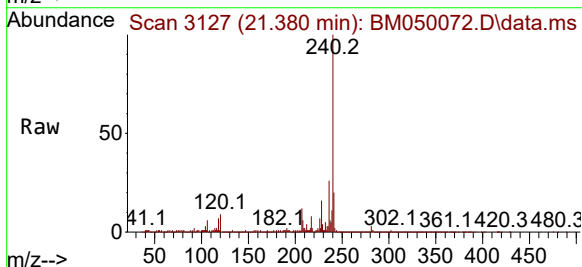
Manual Integrations
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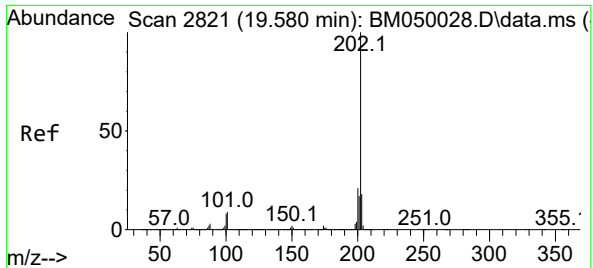
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.380 min Scan# 3127
Delta R.T. -0.017 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

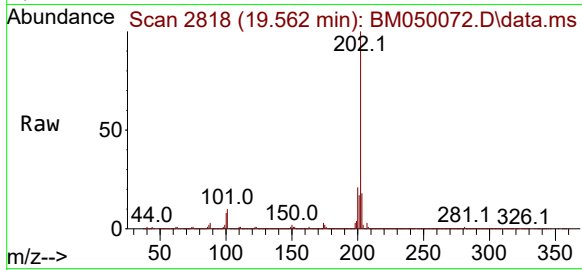
Tgt Ion:240 Resp: 1410216
Ion Ratio Lower Upper
240 100
120 8.5 6.5 9.7
236 26.1 20.9 31.3





#78
Pyrene
Concen: 13.492 ng
RT: 19.562 min Scan# 2818
Delta R.T. -0.018 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

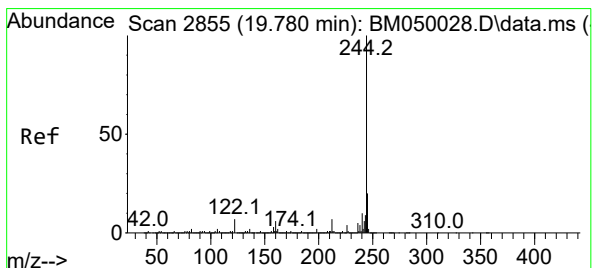
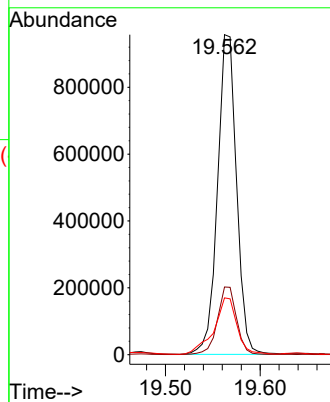
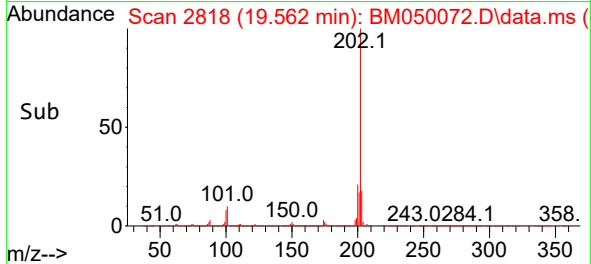
Instrument :
BNA_M
ClientSampleId :
SS-4



Tgt Ion:202 Resp: 133613
Ion Ratio Lower Upper
202 100
200 21.2 16.7 25.1
203 17.7 14.1 21.1

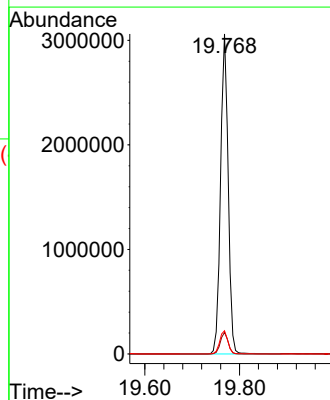
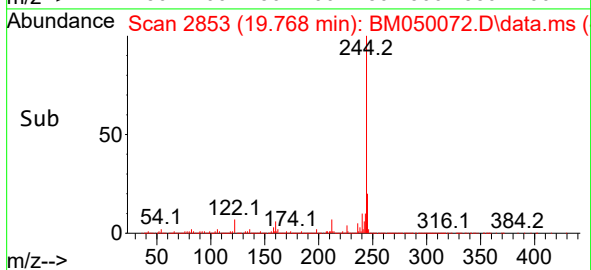
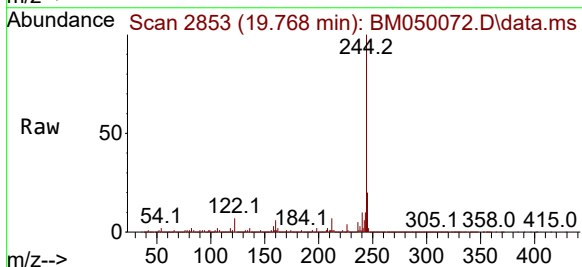
Manual Integrations
APPROVED

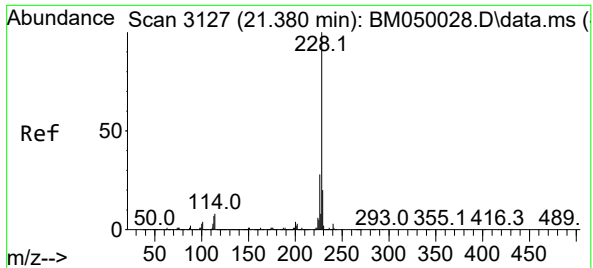
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#79
Terphenyl-d14
Concen: 35.670 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

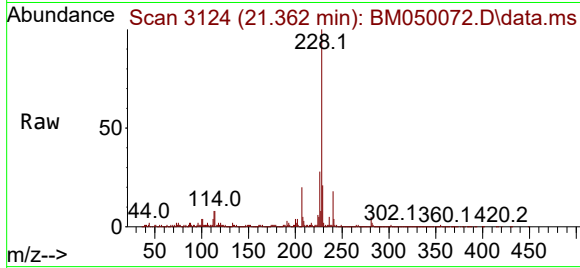
Tgt Ion:244 Resp: 3399375
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 7.2 5.6 8.4





#81
Benzo(a)anthracene
Concen: 8.301 ng
RT: 21.362 min Scan# 3124
Delta R.T. -0.018 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

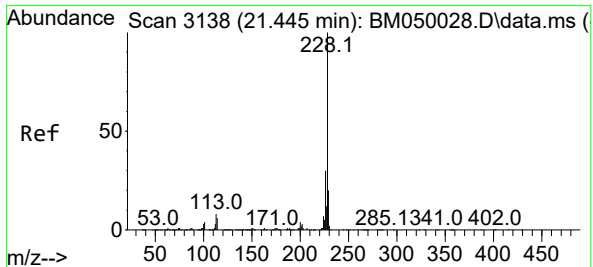
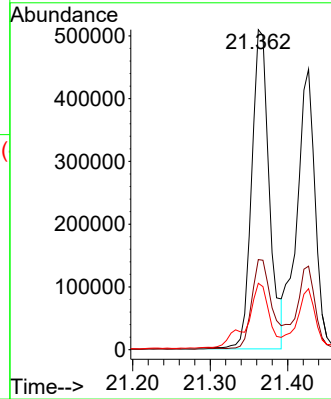
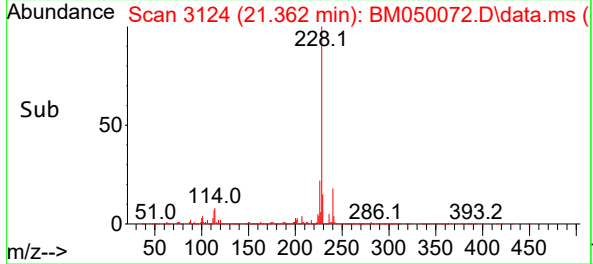
Instrument :
BNA_M
ClientSampleId :
SS-4



Tgt Ion:228 Resp: 80614
Ion Ratio Lower Upper
228 100
226 28.1 22.1 33.1
229 20.8 15.7 23.5

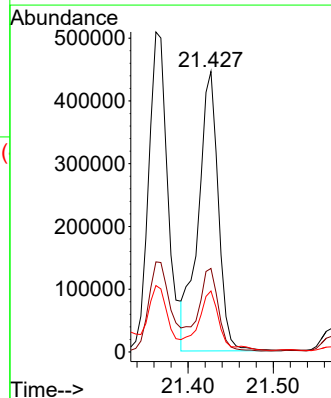
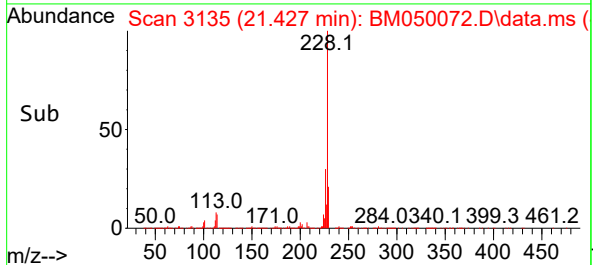
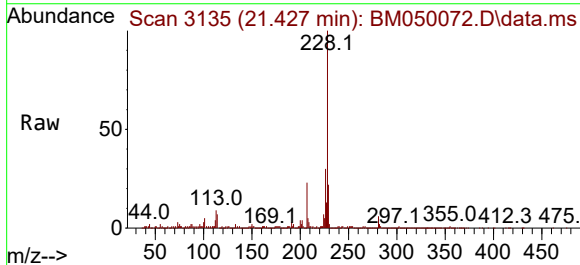
Manual Integrations
APPROVED

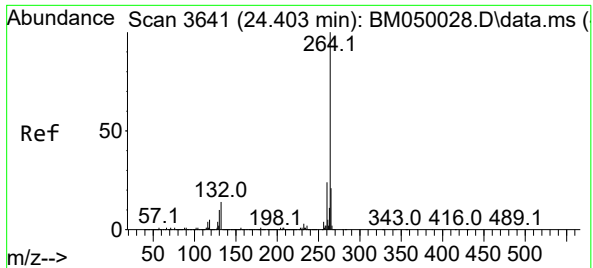
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#83
Chrysene
Concen: 8.119 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.018 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

Tgt Ion:228 Resp: 729730
Ion Ratio Lower Upper
228 100
226 29.8 24.2 36.2
229 21.7 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.368 min Scan# 30

Delta R.T. -0.035 min

Lab File: BM050072.D

Acq: 01 May 2025 20:00

Instrument :

BNA_M

ClientSampleId :

SS-4

Tgt Ion:264 Resp: 142152

Ion Ratio Lower Upper

264 100

260 24.2 18.8 28.2

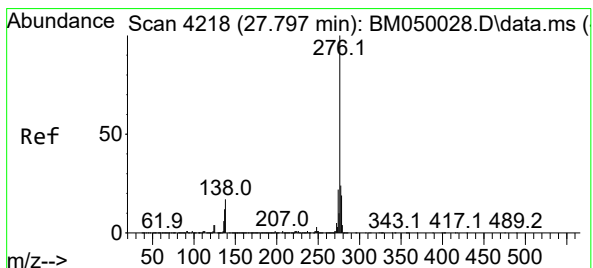
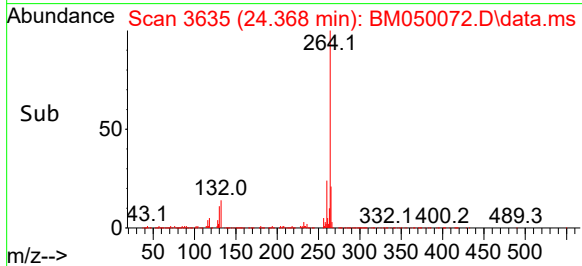
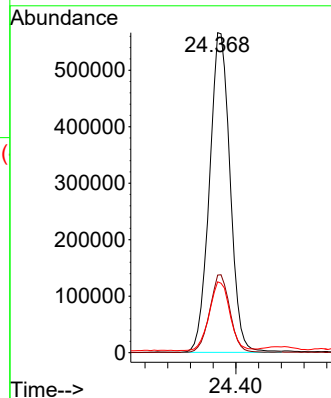
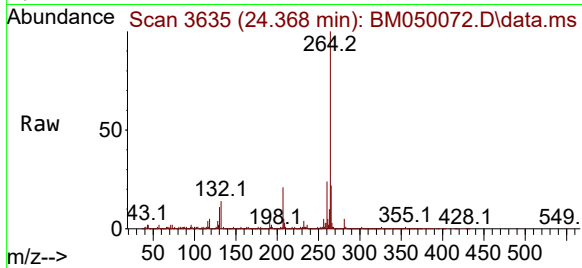
265 22.2 17.0 25.4

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: 4.986 ng

RT: 27.744 min Scan# 4209

Delta R.T. -0.053 min

Lab File: BM050072.D

Acq: 01 May 2025 20:00

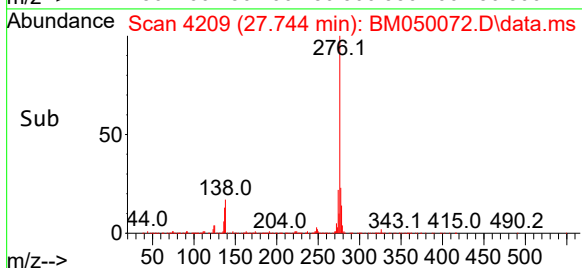
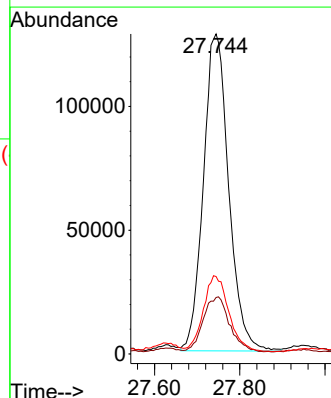
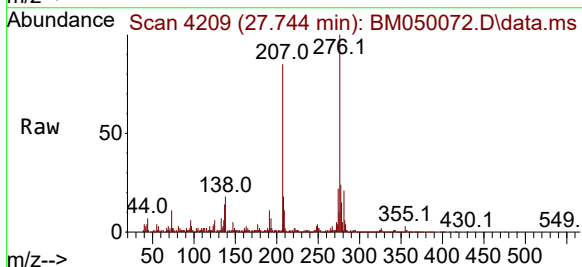
Tgt Ion:276 Resp: 528099

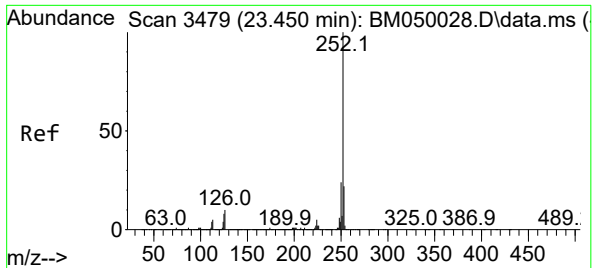
Ion Ratio Lower Upper

276 100

138 18.1 16.4 24.6

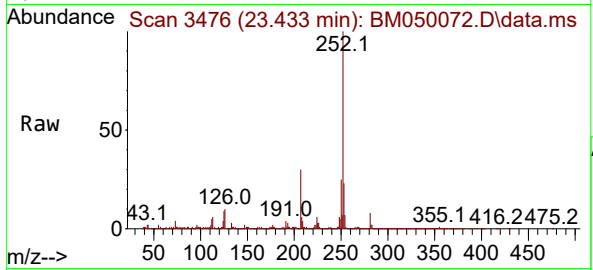
277 24.0 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 11.780 ng
RT: 23.433 min Scan# 3479
Delta R.T. -0.018 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

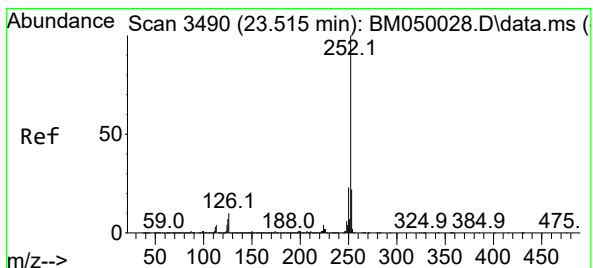
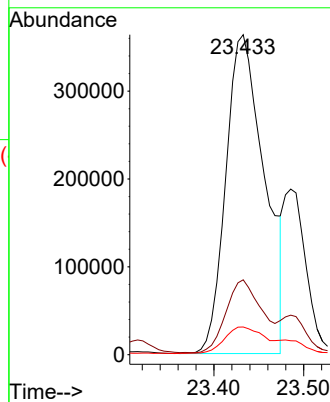
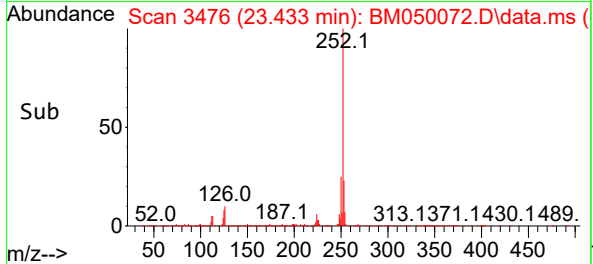
Instrument :
BNA_M
ClientSampleId :
SS-4



Tgt Ion:252 Resp: 1089010
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 8.6 6.1 9.1

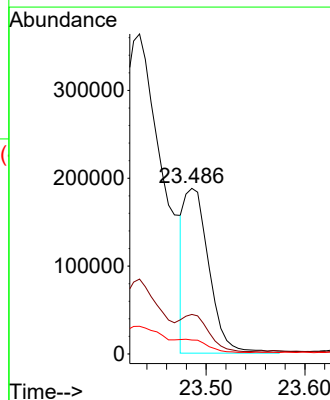
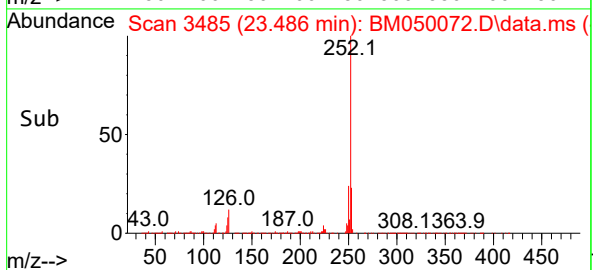
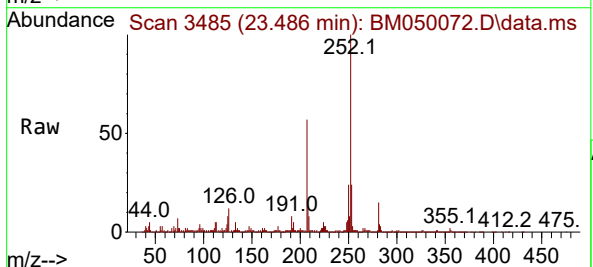
Manual Integrations
APPROVED

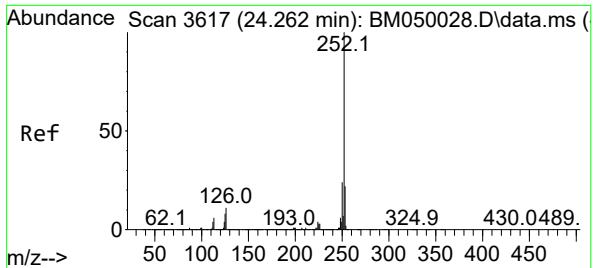
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#89
Benzo(k)fluoranthene
Concen: 3.495 ng m
RT: 23.486 min Scan# 3485
Delta R.T. -0.029 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

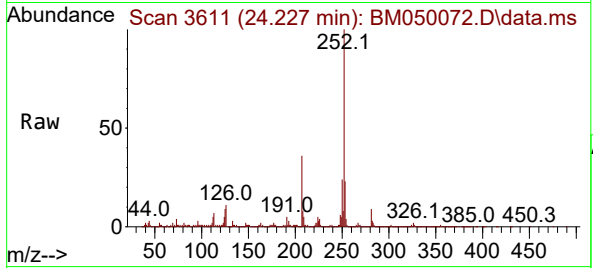
Tgt Ion:252 Resp: 326794
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.2
125 8.4 5.8 8.8





#90
Benzo(a)pyrene
Concen: 8.525 ng
RT: 24.227 min Scan# 3611
Delta R.T. -0.035 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00

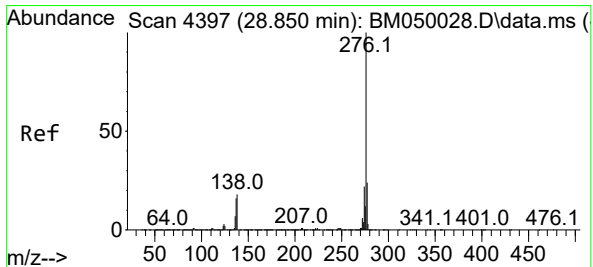
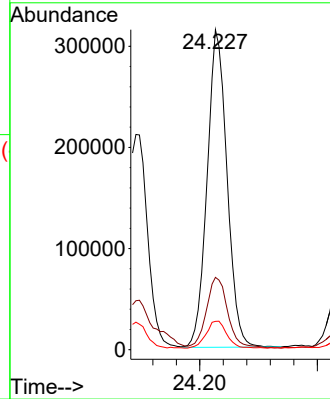
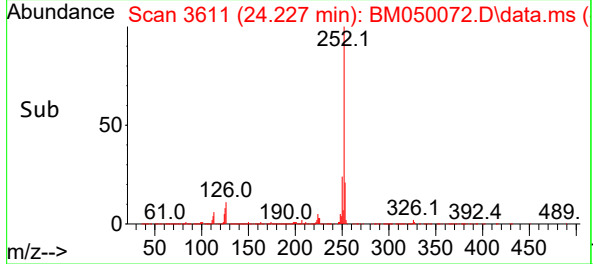
Instrument :
BNA_M
ClientSampleId :
SS-4



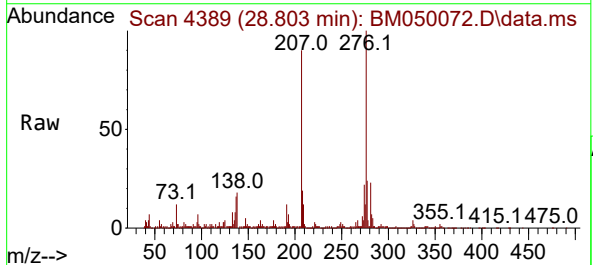
Tgt Ion:252 Resp: 738125
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 8.9 6.6 9.8

Manual Integrations
APPROVED

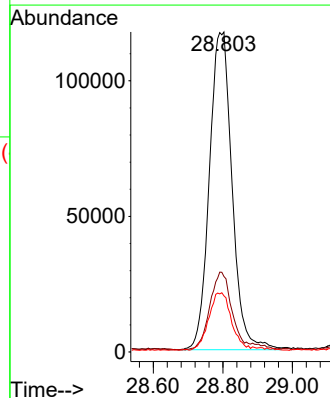
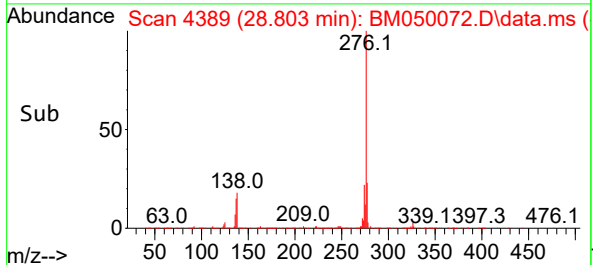
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025



#92
Benzo(g,h,i)perylene
Concen: 6.422 ng
RT: 28.803 min Scan# 4389
Delta R.T. -0.047 min
Lab File: BM050072.D
Acq: 01 May 2025 20:00



Tgt Ion:276 Resp: 530889
Ion Ratio Lower Upper
276 100
277 23.6 19.1 28.7
138 17.5 14.3 21.5



Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-5	SDG No.:	Q1914
Lab Sample ID:	Q1914-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BM050106.D	1	04/30/25 11:00	05/05/25 19:37	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	190	U	25.3	190	ug/Kg
208-96-8	Acenaphthylene	190	U	32.2	190	ug/Kg
83-32-9	Acenaphthene	120	J	23.7	190	ug/Kg
86-73-7	Fluorene	250		28.2	190	ug/Kg
85-01-8	Phenanthrene	200		23.3	190	ug/Kg
120-12-7	Anthracene	100	J	37.1	190	ug/Kg
206-44-0	Fluoranthene	360		33.4	190	ug/Kg
129-00-0	Pyrene	360		40.1	190	ug/Kg
56-55-3	Benzo(a)anthracene	110	J	25.6	190	ug/Kg
218-01-9	Chrysene	120	J	22.2	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	U	24.9	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	J	32.8	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	U	32.4	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	U	30.5	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	78.8	J	28.6	190	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	41.6		18 - 107	42%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.5		20 - 109	41%	SPK: 100
1718-51-0	Terphenyl-d14	38.1		10 - 105	38%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	358000		7.745		
1146-65-2	Naphthalene-d8	1220000		10.539		
15067-26-2	Acenaphthene-d10	725000		14.398		
1517-22-2	Phenanthrene-d10	1420000		17.145		
1719-03-5	Chrysene-d12	1470000		21.386		
1520-96-3	Perylene-d12	1570000		24.374		

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-5	SDG No.:	Q1914
Lab Sample ID:	Q1914-06	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	89.7
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BM050106.D	1	04/30/25 11:00	05/05/25 19:37	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050106.D
 Acq On : 05 May 2025 19:37
 Operator : RC/JU
 Sample : Q1914-06
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-5

Quant Time: May 06 05:19:38 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)

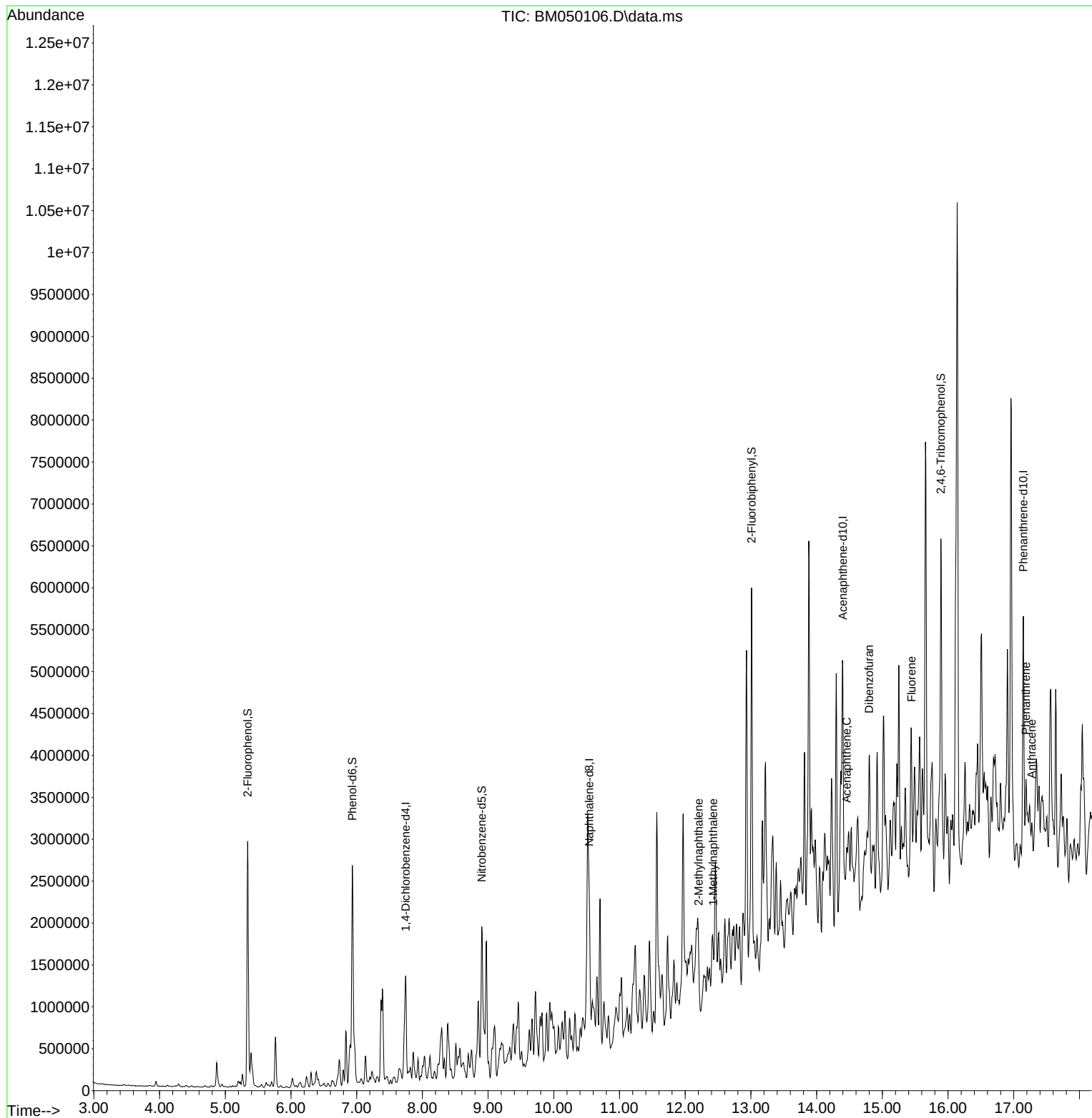
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	357595	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1220331	20.000	ng	#-0.02
39) Acenaphthene-d10	14.398	164	725121	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	1422912	20.000	ng	-0.01
76) Chrysene-d12	21.386	240	1469025	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1573716	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.340	112	1384727	67.807	ng	-0.02
7) Phenol-d6	6.934	99	1764062	68.728	ng	-0.02
23) Nitrobenzene-d5	8.904	82	1031314	41.644	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	804999	75.080	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2483148	40.511	ng	-0.02
79) Terphenyl-d14	19.768	244	3779793	38.074	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.204	142	185313	4.472	ng	# 94
38) 1-Methylnaphthalene	12.427	142	127302	2.903	ng	# 94
52) Acenaphthene	14.457	154	124795	3.203	ng	93
55) Dibenzofuran	14.798	168	153650	2.370	ng	# 68
58) Fluorene	15.445	166	362788	6.837	ng	# 85
71) Phenanthrene	17.186	178	432164	5.385	ng	# 90
72) Anthracene	17.274	178	228676	2.816	ng	# 85
75) Fluoranthene	19.203	202	901783	9.571	ng	97
78) Pyrene	19.568	202	1013570	9.825	ng	99
81) Benzo(a)anthracene	21.368	228	307472	3.039	ng	97
83) Chrysene	21.427	228	296040	3.162	ng	97
88) Benzo(b)fluoranthene	23.433	252	409503	4.001	ng	# 96
90) Benzo(a)pyrene	24.232	252	294894	3.076	ng	# 96
92) Benzo(g,h,i)perylene	28.803	276	194268	2.123	ng	97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050106.D
Acq On : 05 May 2025 19:37
Operator : RC/JU
Sample : Q1914-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-5

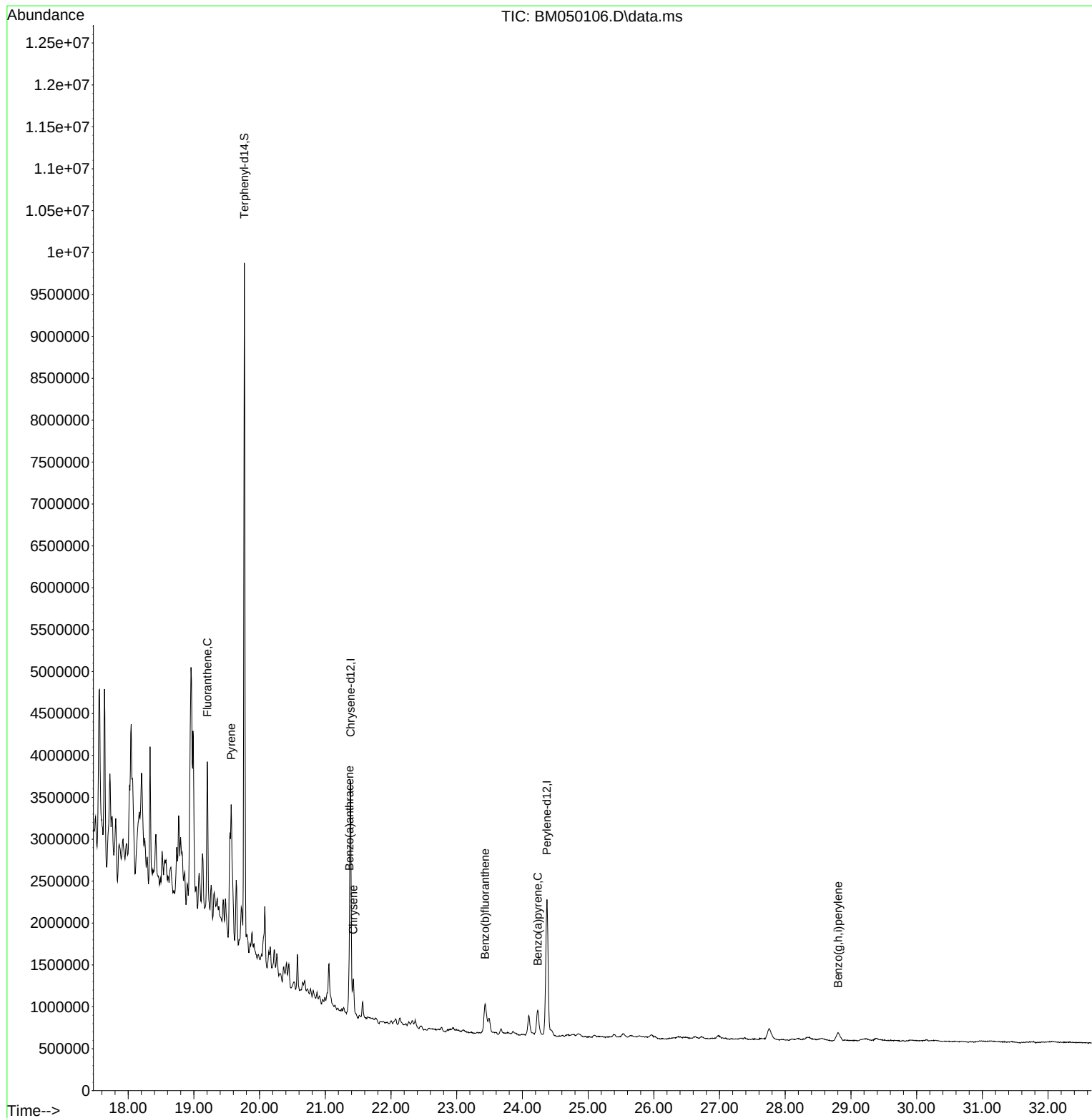
Quant Time: May 06 05:19:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

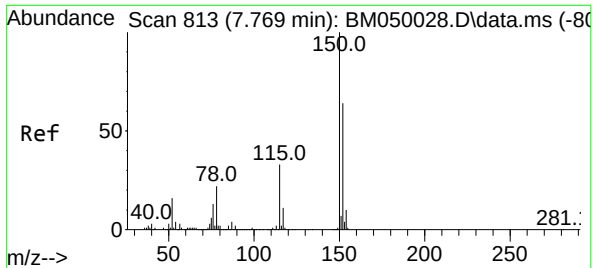


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050106.D
Acq On : 05 May 2025 19:37
Operator : RC/JU
Sample : Q1914-06
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-5

Quant Time: May 06 05:19:38 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

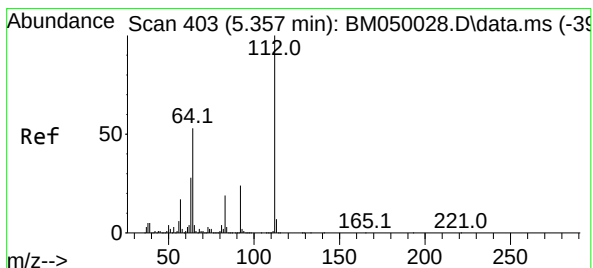
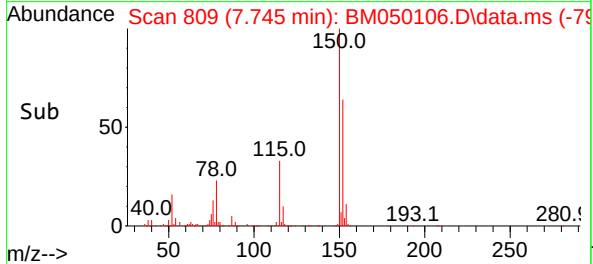
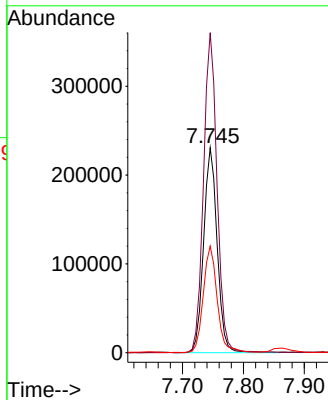
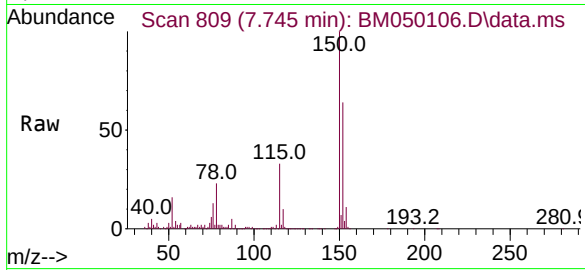




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

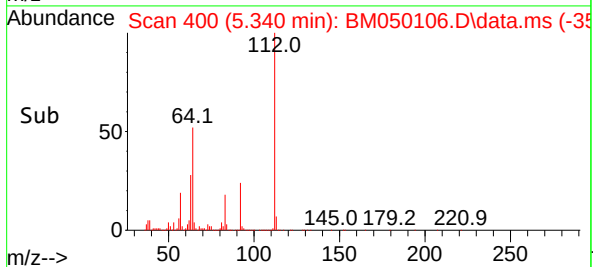
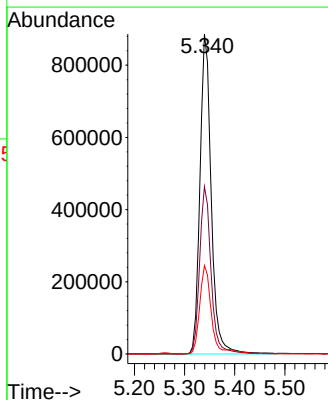
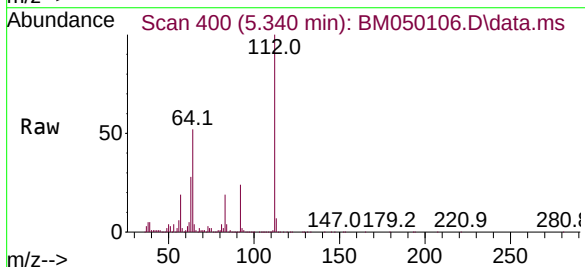
Instrument :
BNA_M
ClientSampleId :
SS-5

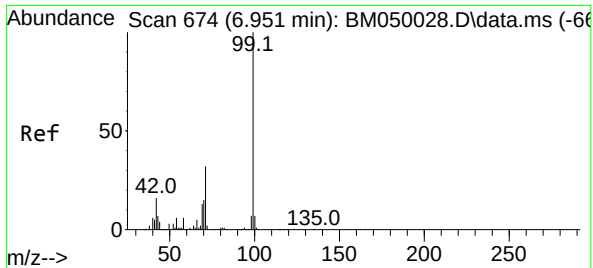
Tgt Ion:152 Resp: 357595
Ion Ratio Lower Upper
152 100
150 156.2 124.1 186.1
115 52.0 41.2 61.8



#5
2-Fluorophenol
Concen: 67.807 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

Tgt Ion:112 Resp: 1384727
Ion Ratio Lower Upper
112 100
64 52.3 42.6 64.0
63 27.6 22.2 33.4

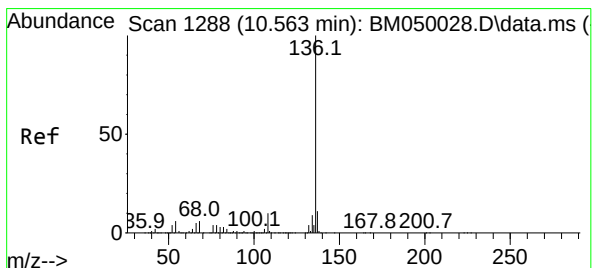
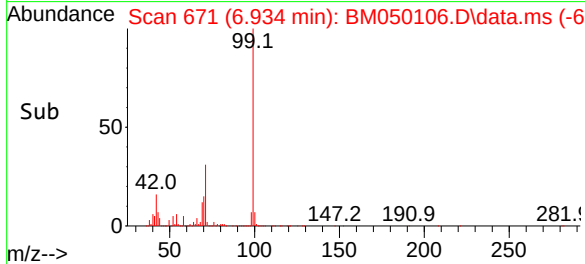
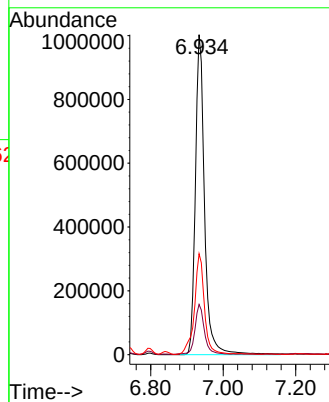
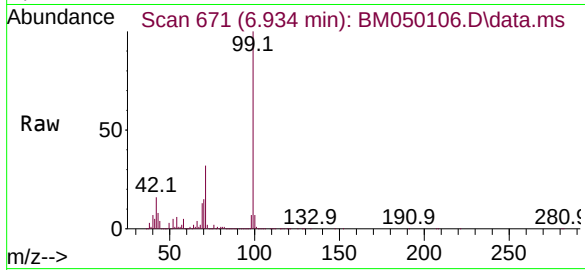




#7
Phenol-d6
Concen: 68.728 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

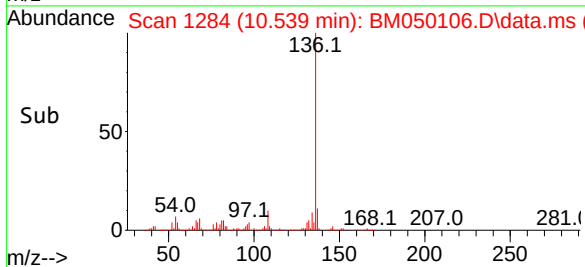
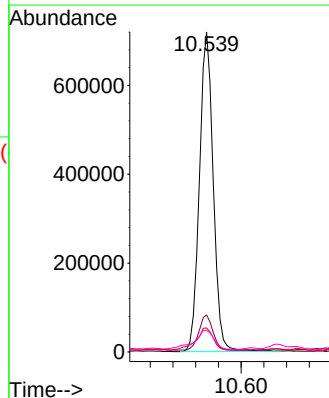
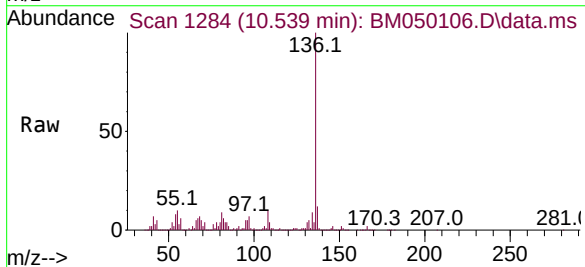
Instrument :
BNA_M
ClientSampleId :
SS-5

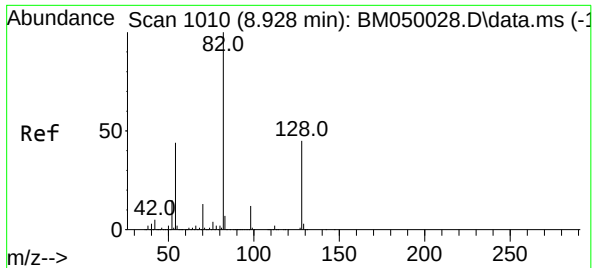
Tgt Ion: 99 Resp: 1764062
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.4
71 31.5 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

Tgt Ion: 136 Resp: 1220331
Ion Ratio Lower Upper
136 100
137 11.5 8.9 13.3
54 7.5 5.1 7.7
68 6.8 4.4 6.6#





#23

Nitrobenzene-d5

Concen: 41.644 ng

RT: 8.904 min Scan# 1006

Delta R.T. -0.024 min

Lab File: BM050106.D

Acq: 05 May 2025 19:37

Instrument :

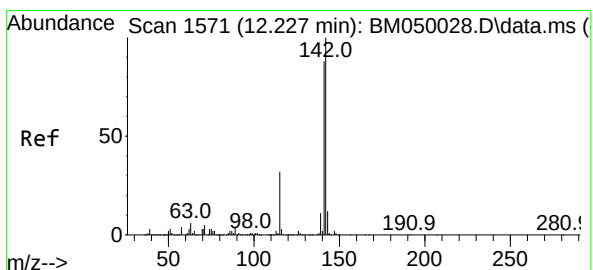
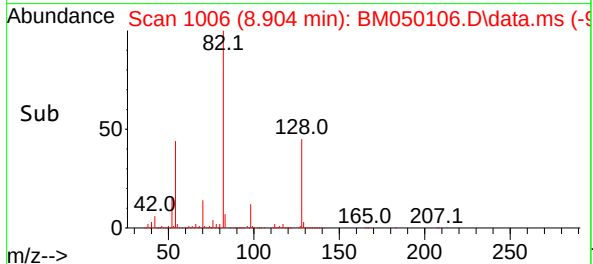
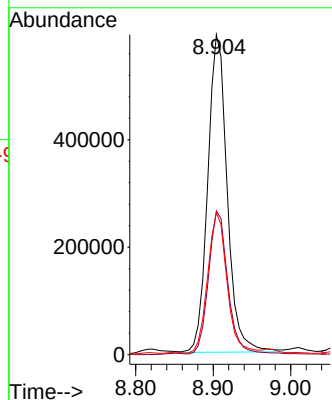
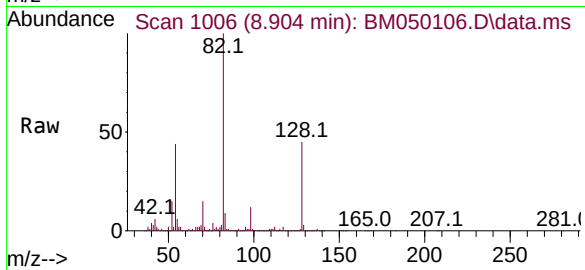
BNA_M

ClientSampleId :

SS-5

Tgt Ion: 82 Resp: 1031314

Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.7	53.5
54	44.4	35.4	53.2



#37

2-Methylnaphthalene

Concen: 4.472 ng

RT: 12.204 min Scan# 1567

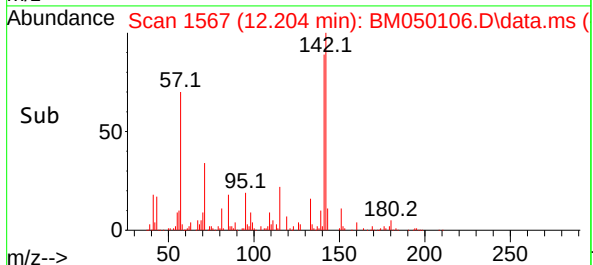
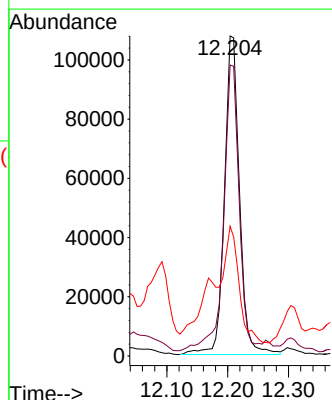
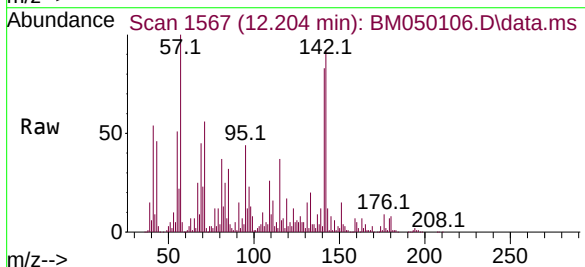
Delta R.T. -0.024 min

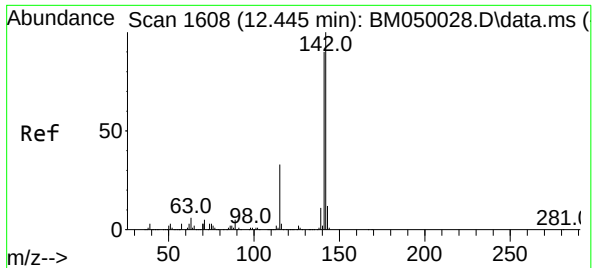
Lab File: BM050106.D

Acq: 05 May 2025 19:37

Tgt Ion:142 Resp: 185313

Ion	Ratio	Lower	Upper
142	100		
141	90.9	70.4	105.6
115	40.5	25.4	38.2

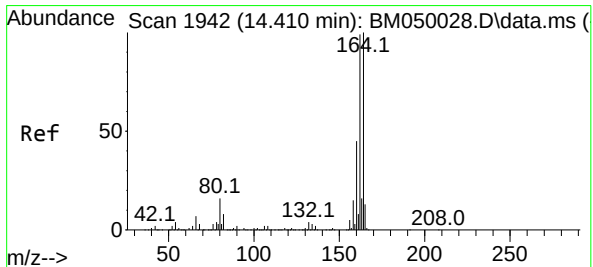
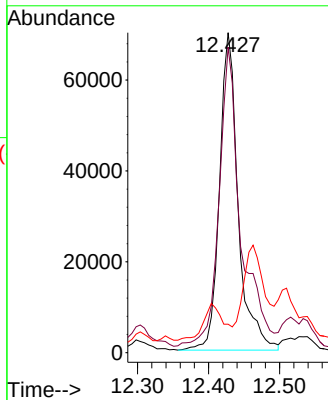
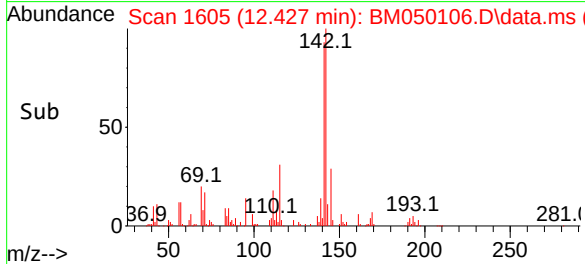
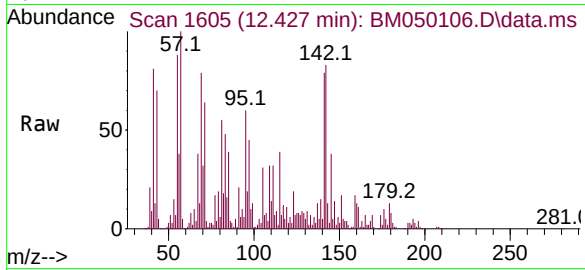




#38
1-Methylnaphthalene
Concen: 2.903 ng
RT: 12.427 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

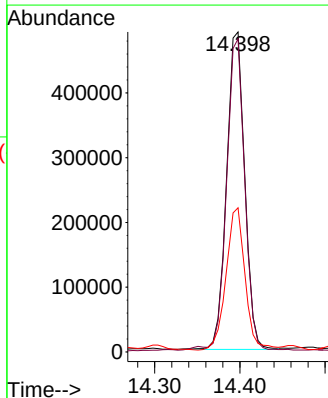
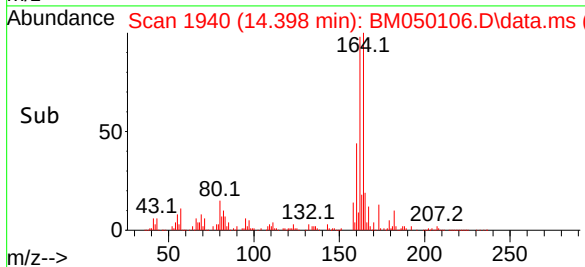
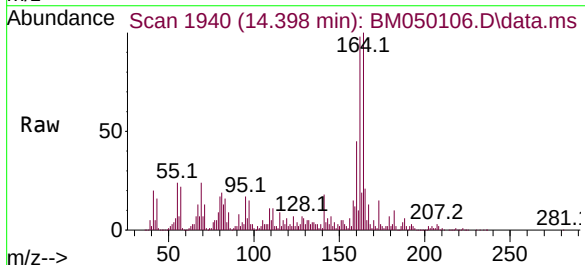
Instrument :
BNA_M
ClientSampleId :
SS-5

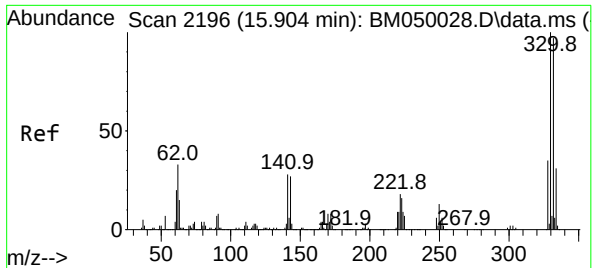
Tgt Ion:142 Resp: 127302
Ion Ratio Lower Upper
142 100
141 95.5 72.1 108.1
116 8.9 2.7 4.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.398 min Scan# 1940
Delta R.T. -0.012 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

Tgt Ion:164 Resp: 725121
Ion Ratio Lower Upper
164 100
162 97.9 79.4 119.0
160 45.0 36.2 54.4

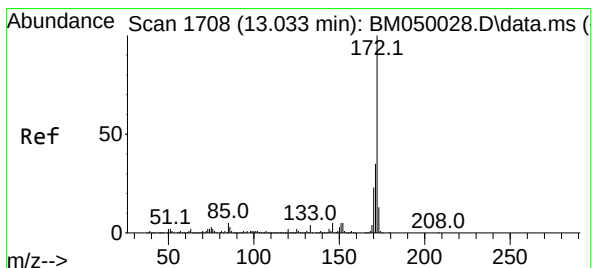
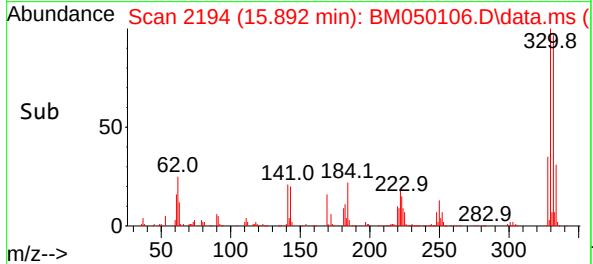
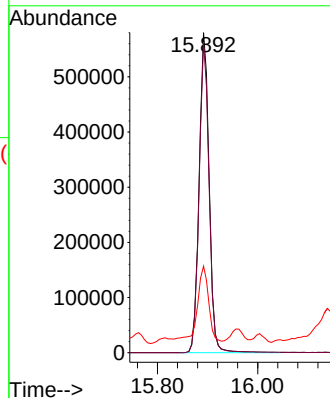
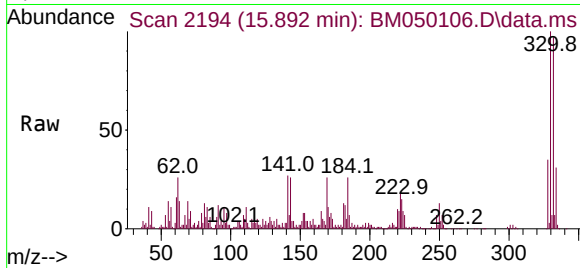




#42
2,4,6-Tribromophenol
Concen: 75.080 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

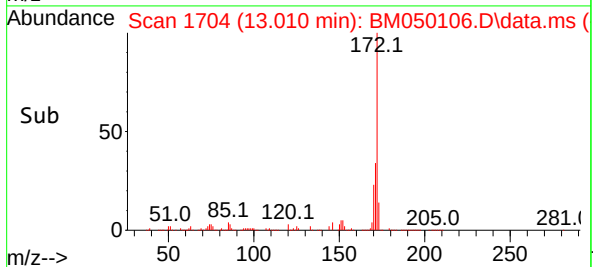
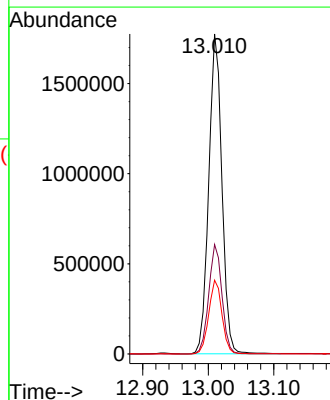
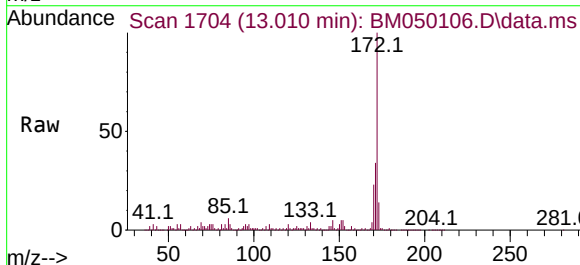
Instrument :
BNA_M
ClientSampleId :
SS-5

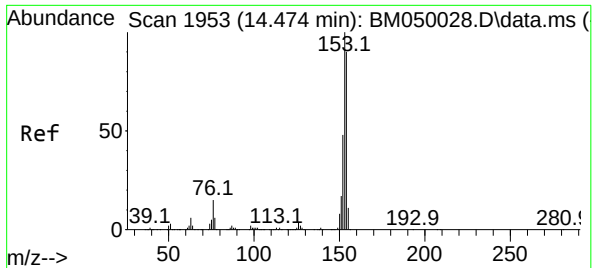
Tgt Ion:330 Resp: 804999
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 25.7 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 40.511 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

Tgt Ion:172 Resp: 2483148
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.6
170 23.0 18.6 28.0

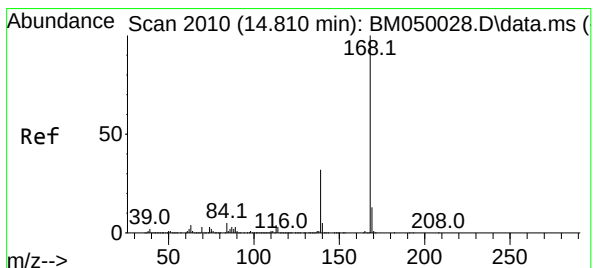
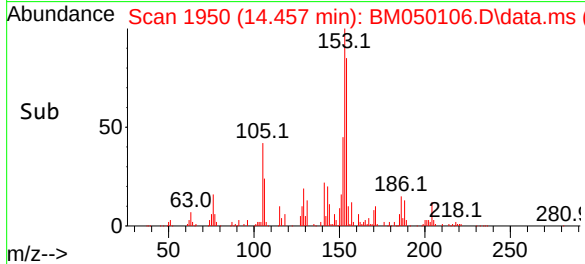
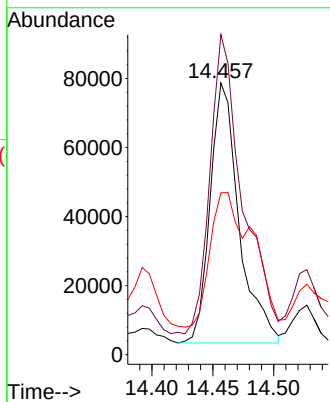
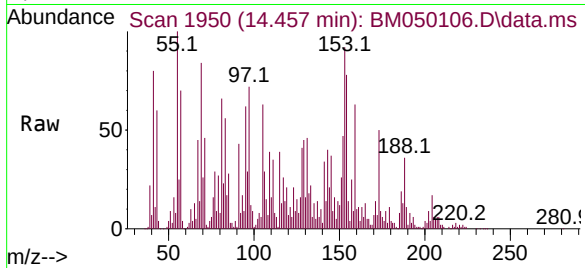




#52
Acenaphthene
Concen: 3.203 ng
RT: 14.457 min Scan# 1950
Delta R.T. -0.018 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

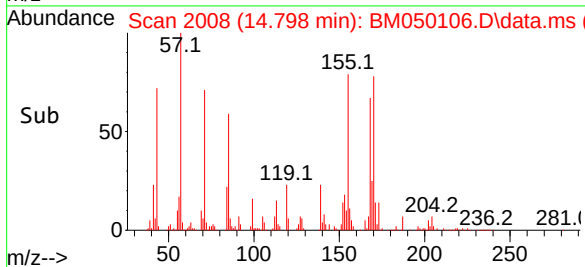
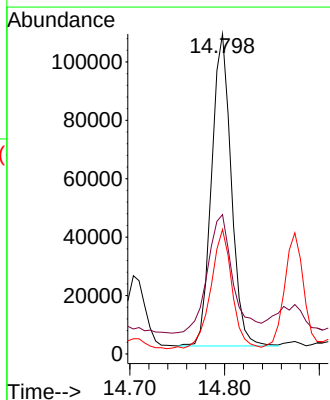
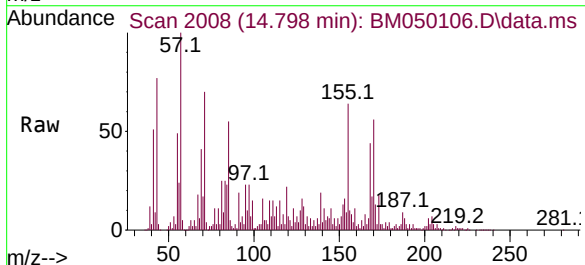
Instrument :
BNA_M
ClientSampleId :
SS-5

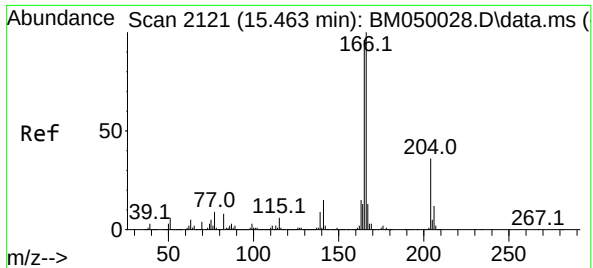
Tgt Ion:154 Resp: 124795
Ion Ratio Lower Upper
154 100
153 117.8 89.0 133.4
152 59.6 43.0 64.6



#55
Dibenzofuran
Concen: 2.370 ng
RT: 14.798 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

Tgt Ion:168 Resp: 153650
Ion Ratio Lower Upper
168 100
139 43.6 26.1 39.1#
169 38.9 10.8 16.2#

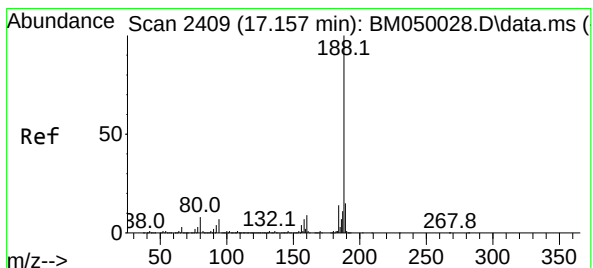
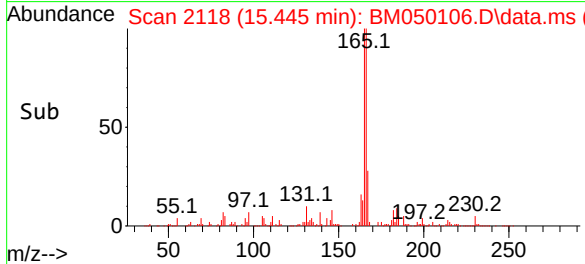
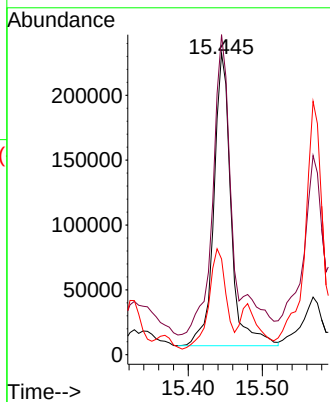
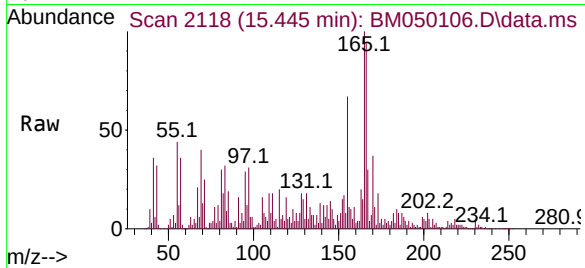




#58
Fluorene
Concen: 6.837 ng
RT: 15.445 min Scan# 2121
Delta R.T. -0.018 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

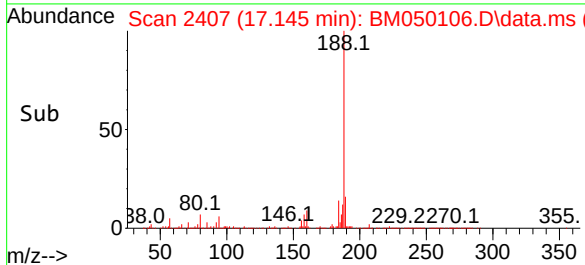
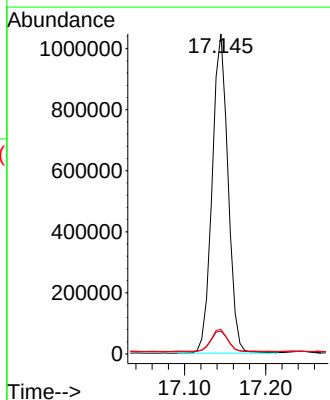
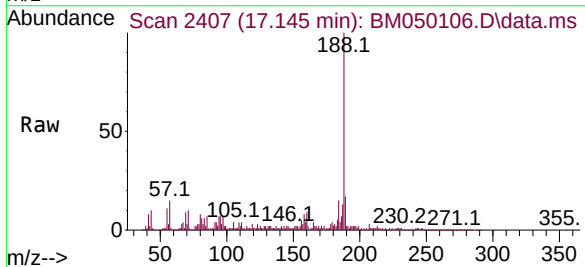
Instrument :
BNA_M
ClientSampleId :
SS-5

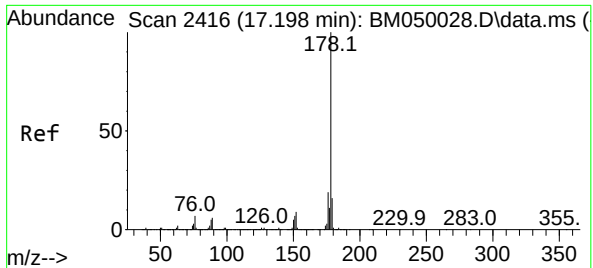
Tgt Ion:166 Resp: 362788
Ion Ratio Lower Upper
166 100
165 106.2 76.6 115.0
167 31.7 10.6 16.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

Tgt Ion:188 Resp: 1422912
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 7.7 6.2 9.4

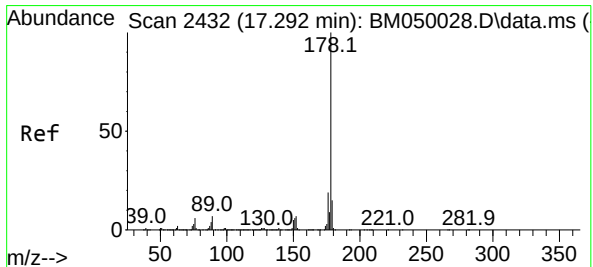
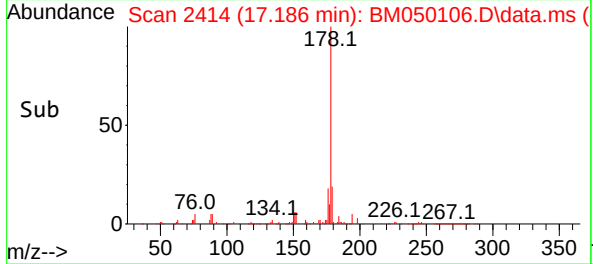
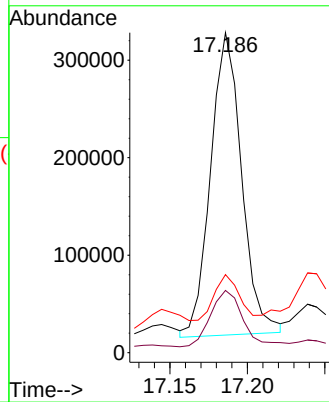
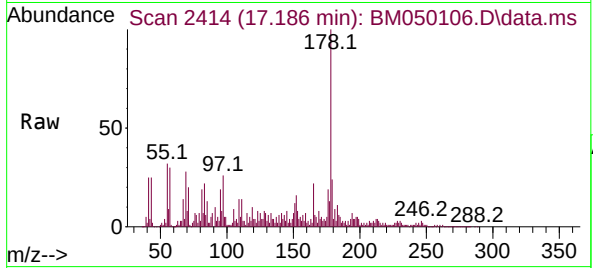




#71
Phenanthrene
Concen: 5.385 ng
RT: 17.186 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

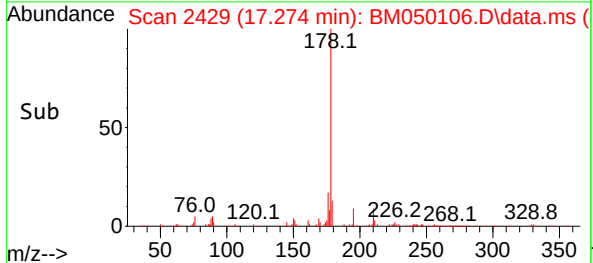
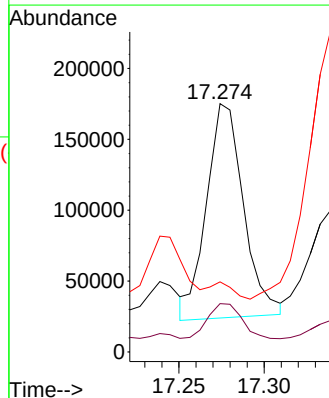
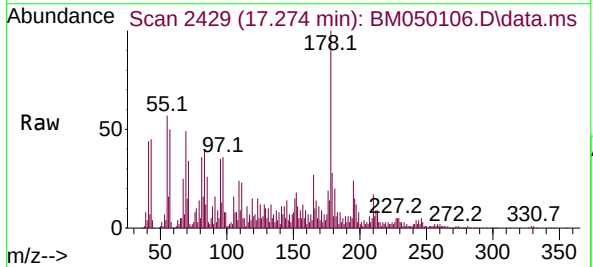
Instrument :
BNA_M
ClientSampleId :
SS-5

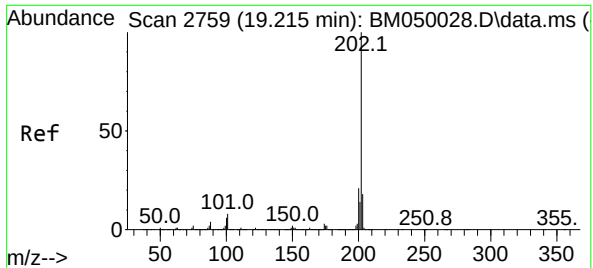
Tgt Ion:178 Resp: 432164
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 24.4 12.4 18.6#



#72
Anthracene
Concen: 2.816 ng
RT: 17.274 min Scan# 2429
Delta R.T. -0.018 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

Tgt Ion:178 Resp: 228676
Ion Ratio Lower Upper
178 100
176 19.5 15.0 22.4
179 28.2 12.2 18.4#

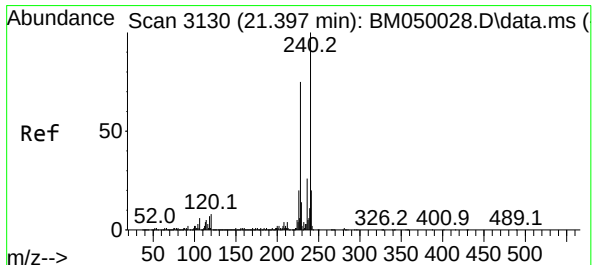
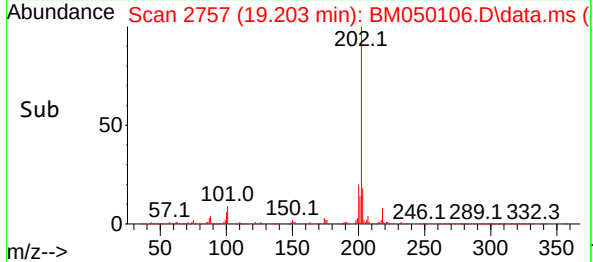
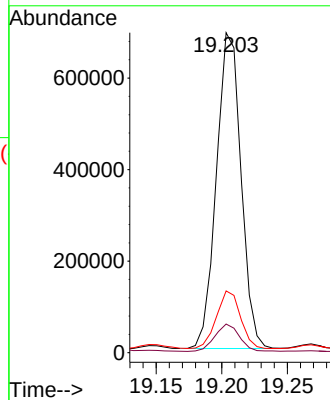
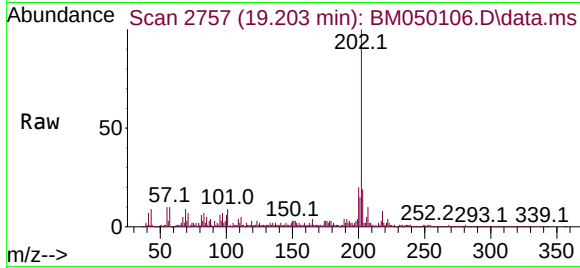




#75
Fluoranthene
Concen: 9.571 ng
RT: 19.203 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

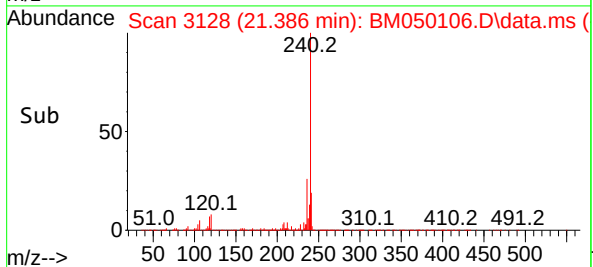
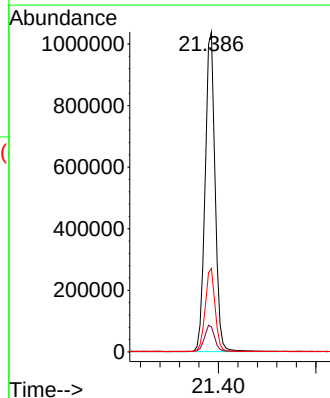
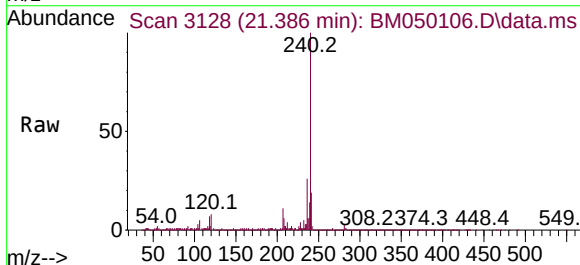
Instrument :
BNA_M
ClientSampleId :
SS-5

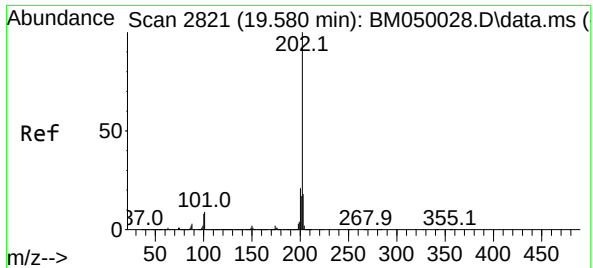
Tgt Ion:202 Resp: 901783
Ion Ratio Lower Upper
202 100
101 8.9 0.0 28.0
203 19.3 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

Tgt Ion:240 Resp: 1469025
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 26.1 20.9 31.3

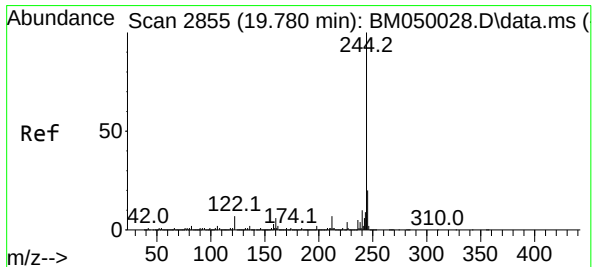
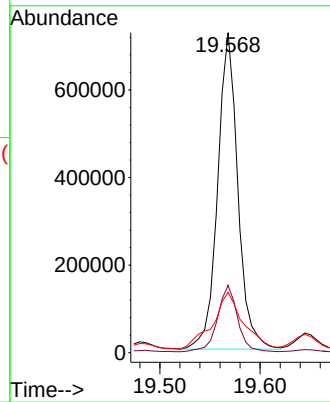
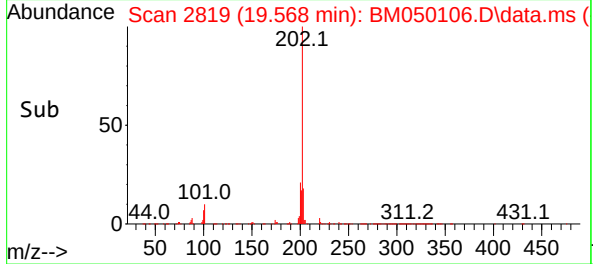
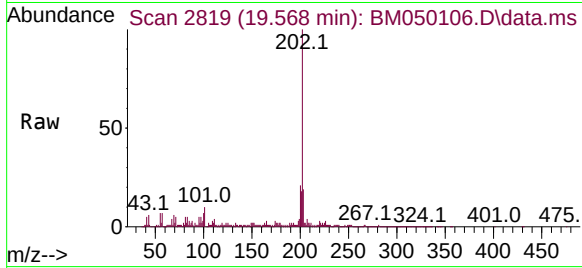




#78
Pyrene
Concen: 9.825 ng
RT: 19.568 min Scan# 2819
Delta R.T. -0.012 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

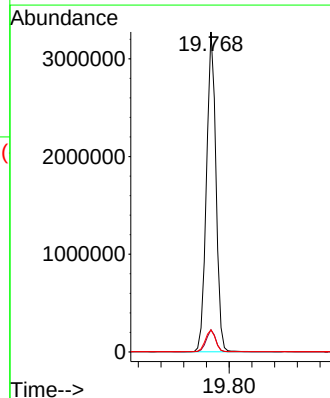
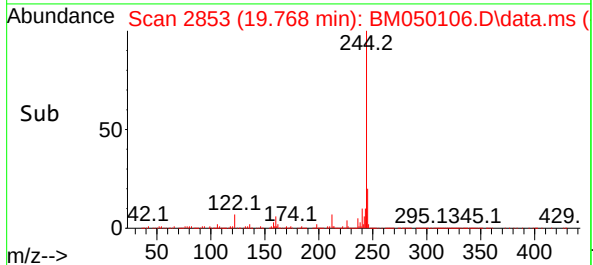
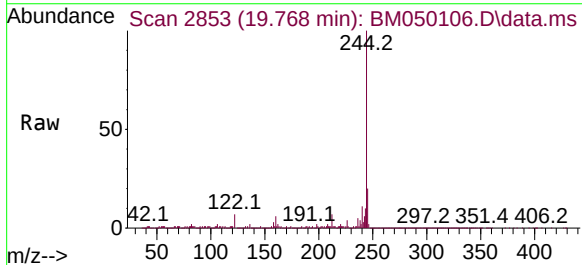
Instrument :
BNA_M
ClientSampleId :
SS-5

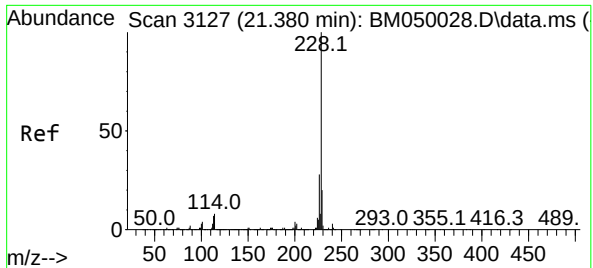
Tgt Ion:202 Resp: 1013570
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 18.9 14.1 21.1



#79
Terphenyl-d14
Concen: 38.074 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

Tgt Ion:244 Resp: 3779793
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 6.9 5.6 8.4

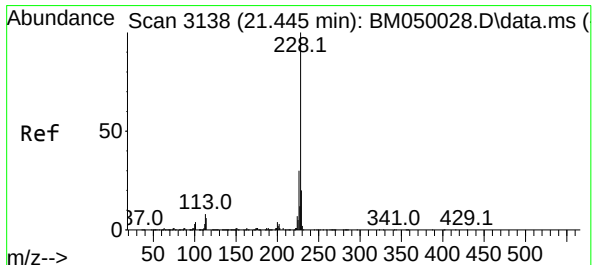
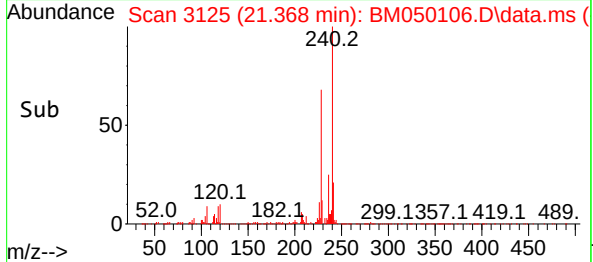
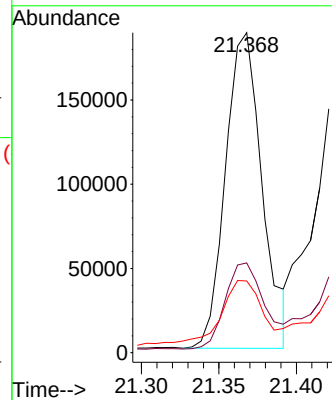
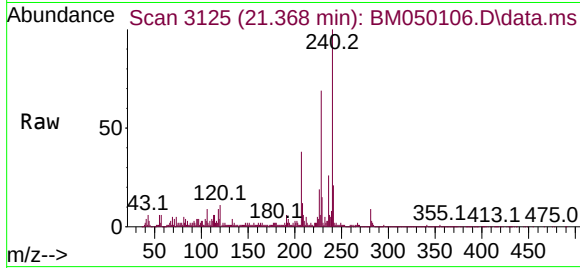




#81
Benzo(a)anthracene
Concen: 3.039 ng
RT: 21.368 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

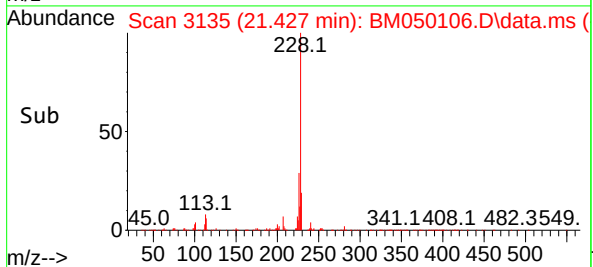
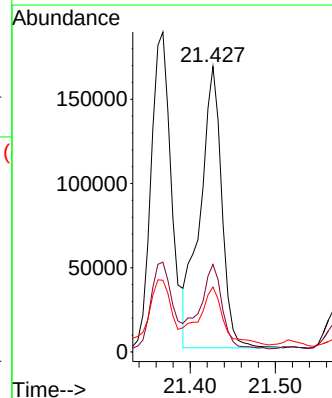
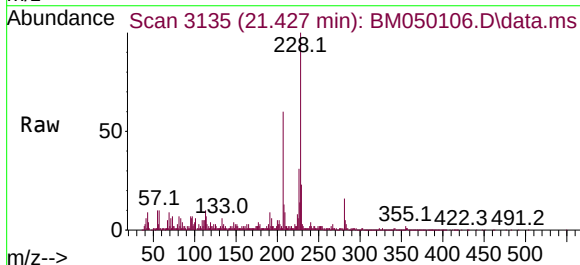
Instrument :
BNA_M
ClientSampleId :
SS-5

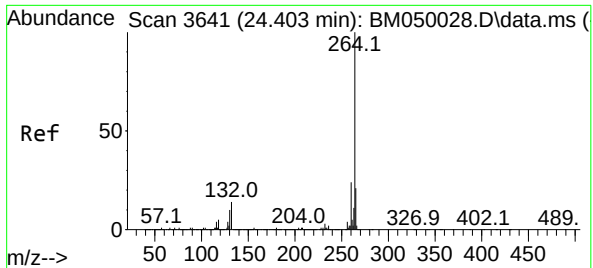
Tgt Ion:228 Resp: 307472
Ion Ratio Lower Upper
228 100
226 28.0 22.1 33.1
229 22.4 15.7 23.5



#83
Chrysene
Concen: 3.162 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.018 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

Tgt Ion:228 Resp: 296040
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.2
229 22.8 15.7 23.5

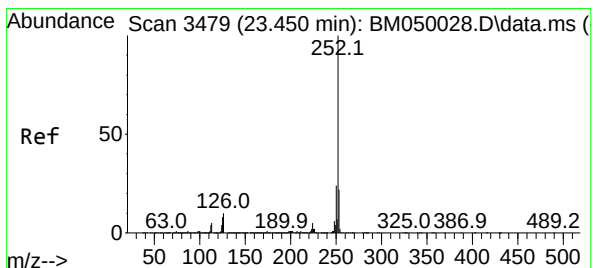
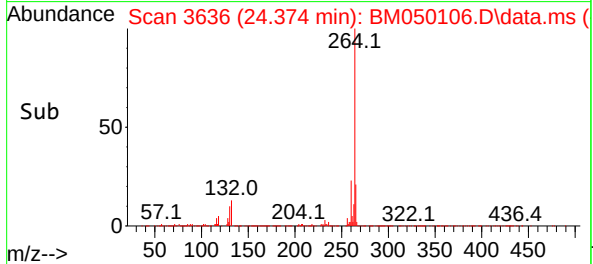
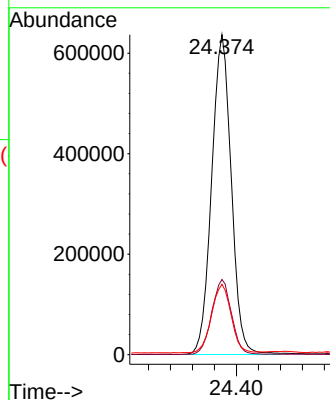
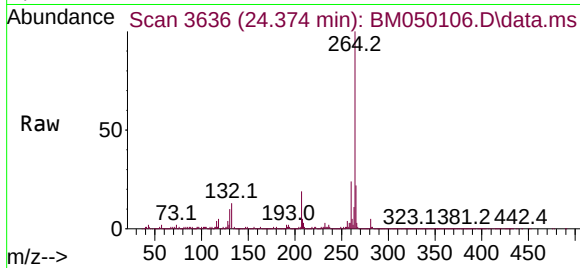




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 30
Delta R.T. -0.030 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

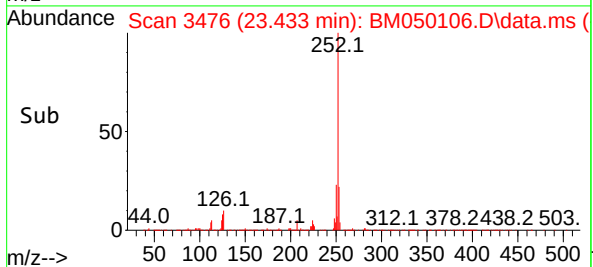
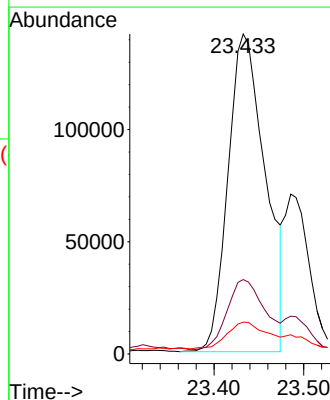
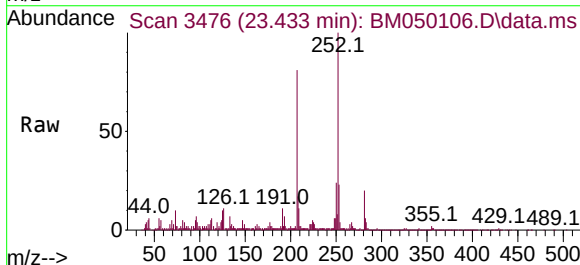
Instrument :
BNA_M
ClientSampleId :
SS-5

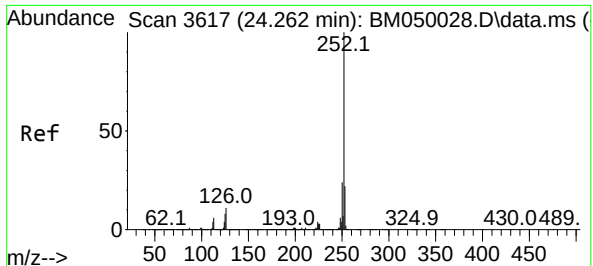
Tgt Ion:264 Resp: 1573716
Ion Ratio Lower Upper
264 100
260 23.5 18.8 28.2
265 22.0 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 4.001 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.018 min
Lab File: BM050106.D
Acq: 05 May 2025 19:37

Tgt Ion:252 Resp: 409503
Ion Ratio Lower Upper
252 100
253 23.3 17.7 26.5
125 10.0 6.1 9.1#





#90

Benzo(a)pyrene

Concen: 3.076 ng

RT: 24.232 min Scan# 3

Delta R.T. -0.030 min

Lab File: BM050106.D

Acq: 05 May 2025 19:37

Instrument :

BNA_M

ClientSampleId :

SS-5

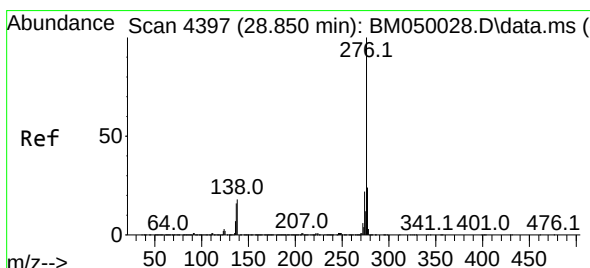
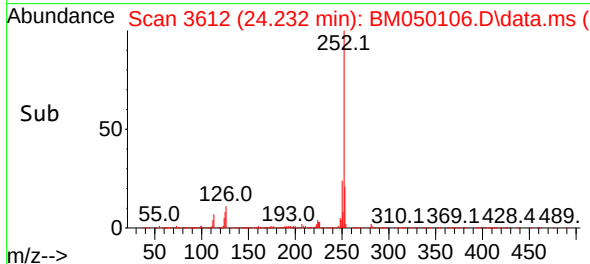
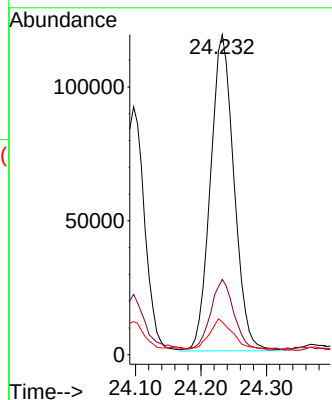
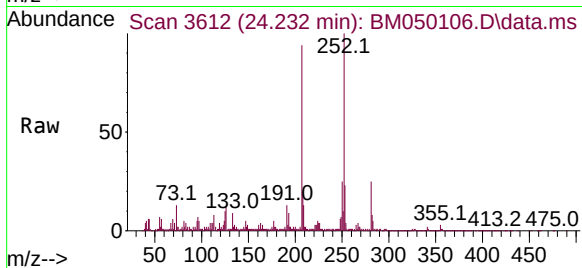
Tgt Ion:252 Resp: 294894

Ion Ratio Lower Upper

252 100

253 23.5 17.4 26.0

125 10.2 6.6 9.8#



#92

Benzo(g,h,i)perylene

Concen: 2.123 ng

RT: 28.803 min Scan# 4389

Delta R.T. -0.047 min

Lab File: BM050106.D

Acq: 05 May 2025 19:37

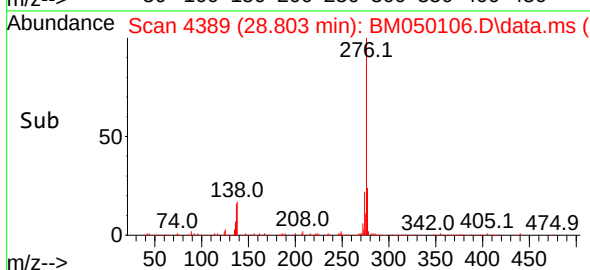
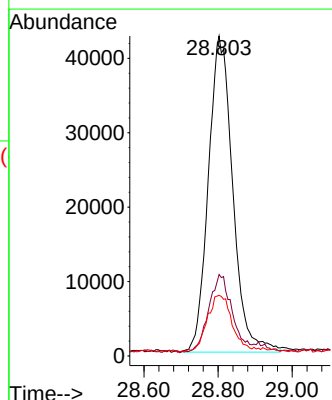
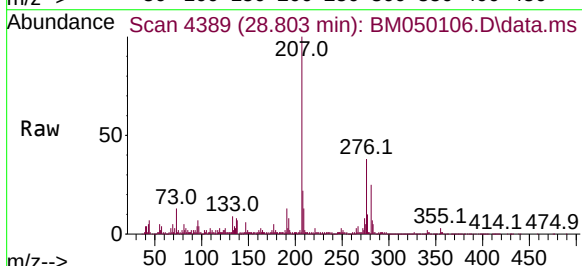
Tgt Ion:276 Resp: 194268

Ion Ratio Lower Upper

276 100

277 25.4 19.1 28.7

138 19.0 14.3 21.5



Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-6	SDG No.:	Q1914
Lab Sample ID:	Q1914-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	83.8
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BP024520.D	1	04/30/25 11:00	05/02/25 22:27	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	500		27.0	200	ug/Kg
208-96-8	Acenaphthylene	200	U	34.4	200	ug/Kg
83-32-9	Acenaphthene	370		25.3	200	ug/Kg
86-73-7	Fluorene	520		30.1	200	ug/Kg
85-01-8	Phenanthrene	680		24.9	200	ug/Kg
120-12-7	Anthracene	160	J	39.6	200	ug/Kg
206-44-0	Fluoranthene	2500		35.7	200	ug/Kg
129-00-0	Pyrene	1900		42.8	200	ug/Kg
56-55-3	Benzo(a)anthracene	610		27.4	200	ug/Kg
218-01-9	Chrysene	570		23.7	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	250		26.7	200	ug/Kg
50-32-8	Benzo(a)pyrene	580		35.1	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	280		34.6	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	84.1	J	32.6	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	310		30.6	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	64.5		18 - 107	64%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.5		20 - 109	58%	SPK: 100
1718-51-0	Terphenyl-d14	58.4		10 - 105	58%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	171000		7.711		
1146-65-2	Naphthalene-d8	658000		10.487		
15067-26-2	Acenaphthene-d10	442000		14.351		
1517-22-2	Phenanthrene-d10	835000		17.151		
1719-03-5	Chrysene-d12	984000		21.586		
1520-96-3	Perylene-d12	1180000		24.939		



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

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-6	SDG No.:	Q1914
Lab Sample ID:	Q1914-07	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	83.8
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	SVOCMS Group3
	Decanted :	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
BP024520.D	1	04/30/25 11:00	05/02/25 22:27	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050225\
 Data File : BP024520.D
 Acq On : 02 May 2025 22:27
 Operator : RC/JU
 Sample : Q1914-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SS-6

Quant Time: May 03 00:09:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 2025
 Response via : Initial Calibration

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

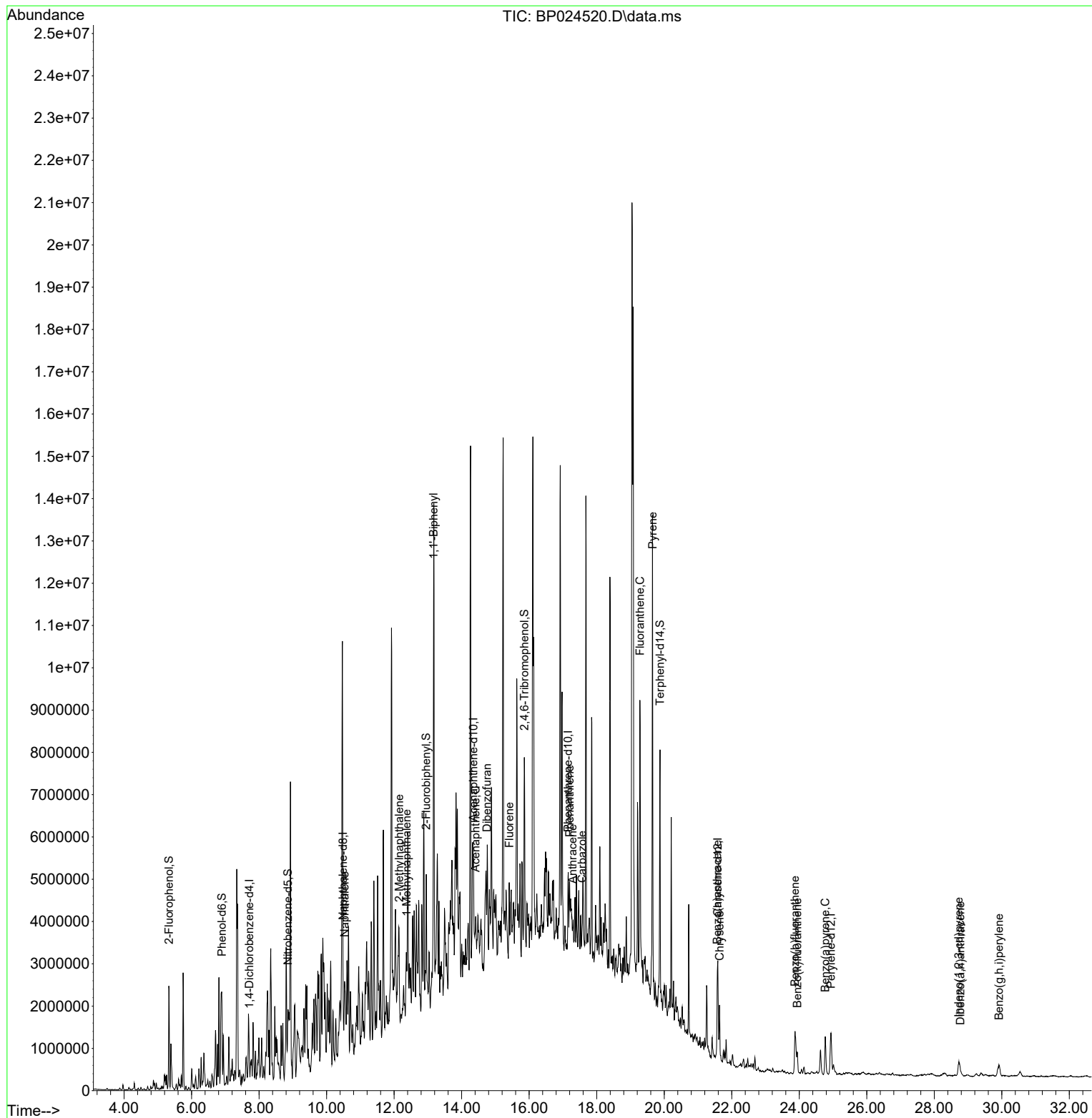
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.711	152	170544	20.000	ng	-0.01
21) Naphthalene-d8	10.487	136	657655	20.000	ng	#-0.01
39) Acenaphthene-d10	14.351	164	442093	20.000	ng	0.00
64) Phenanthrene-d10	17.151	188	835247	20.000	ng	0.00
76) Chrysene-d12	21.586	240	983824	20.000	ng	# 0.00
86) Perylene-d12	24.939	264	1181270	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	895731	86.843	ng	-0.01
7) Phenol-d6	6.899	99	1132776	80.206	ng	-0.01
23) Nitrobenzene-d5	8.858	82	743467	64.461	ng	-0.01
42) 2,4,6-Tribromophenol	15.863	330	704630	115.200	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	1661684	57.549	ng	-0.01
79) Terphenyl-d14	19.875	244	2850305	58.396	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.534	128	440408	12.713	ng	# 81
37) 2-Methylnaphthalene	12.152	142	797946	33.213	ng	95
38) 1-Methylnaphthalene	12.369	142	489543	20.829	ng	# 99
46) 1,1'-Biphenyl	13.169	154	202455	6.230	ng	95
52) Acenaphthene	14.416	154	227449	9.382	ng	95
55) Dibenzofuran	14.751	168	164037	4.140	ng	# 46
58) Fluorene	15.416	166	404599	13.190	ng	# 92
71) Phenanthrene	17.198	178	778011	17.075	ng	96
72) Anthracene	17.287	178	180095m	4.101	ng	
73) Carbazole	17.569	167	121421	2.830	ng	# 53
75) Fluoranthene	19.281	202	3473505	64.096	ng	96
78) Pyrene	19.657	202	2942248	47.059	ng	99
81) Benzo(a)anthracene	21.569	228	946151	15.472	ng	98
83) Chrysene	21.639	228	840423	14.345	ng	98
87) Indeno(1,2,3-cd)pyrene	28.727	276	572799	6.985	ng	99
88) Benzo(b)fluoranthene	23.874	252	1223565m	17.280	ng	
89) Benzo(k)fluoranthene	23.945	252	425501m	6.221	ng	
90) Benzo(a)pyrene	24.769	252	890340m	14.577	ng	
91) Dibenzo(a,h)anthracene	28.774	278	144382m	2.121	ng	
92) Benzo(g,h,i)perylene	29.915	276	538013	7.765	ng	95

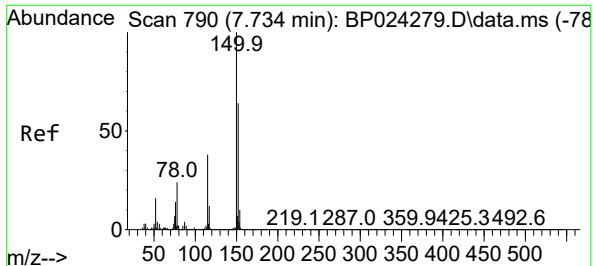
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050225\
Data File : BP024520.D
Acq On : 02 May 2025 22:27
Operator : RC/JU
Sample : Q1914-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SS-6

Quant Time: May 03 00:09:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

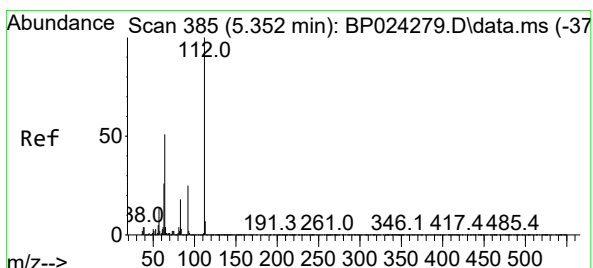
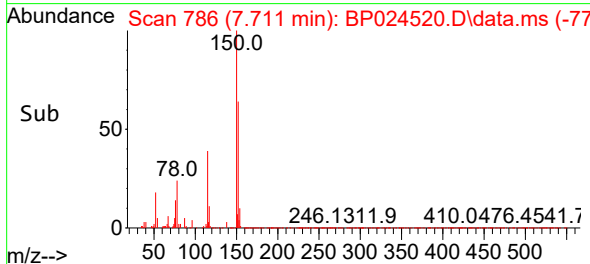
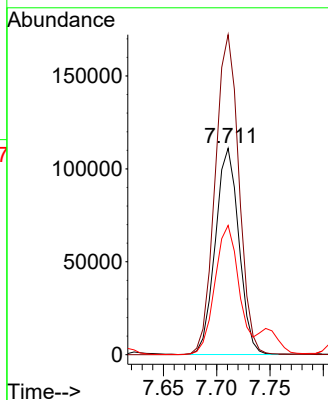
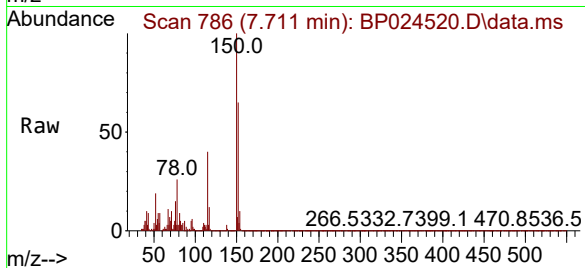




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.711 min Scan# 71
Delta R.T. -0.011 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

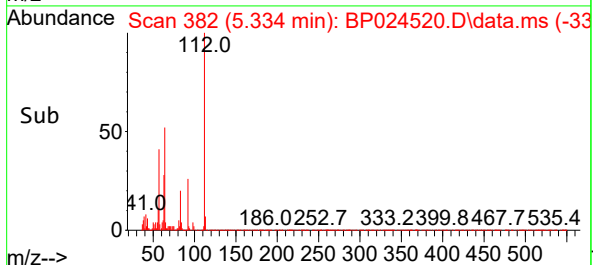
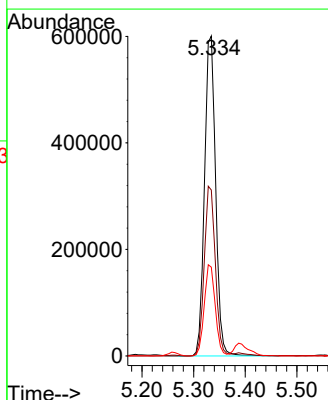
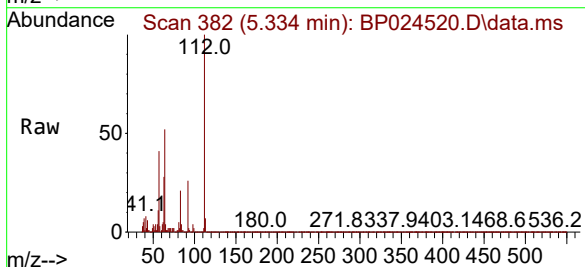
Instrument :
BNA_P
ClientSampleId :
SS-6

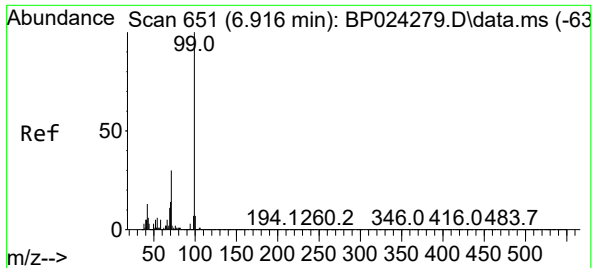
Tgt Ion:152 Resp: 170544
Ion Ratio Lower Upper
152 100
150 155.0 124.9 187.3
115 62.6 47.7 71.5



#5
2-Fluorophenol
Concen: 86.843 ng
RT: 5.334 min Scan# 382
Delta R.T. -0.012 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

Tgt Ion:112 Resp: 895731
Ion Ratio Lower Upper
112 100
64 51.9 41.1 61.7
63 27.8 20.6 30.8

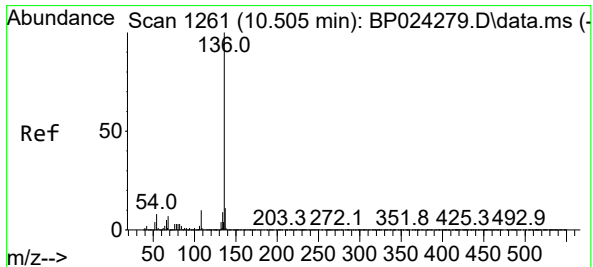
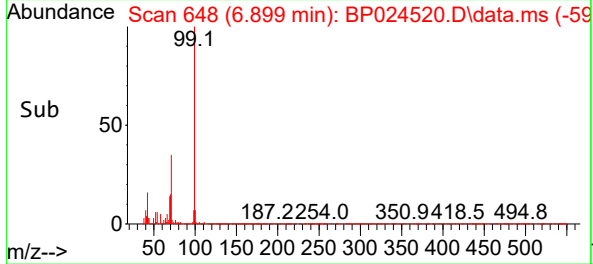
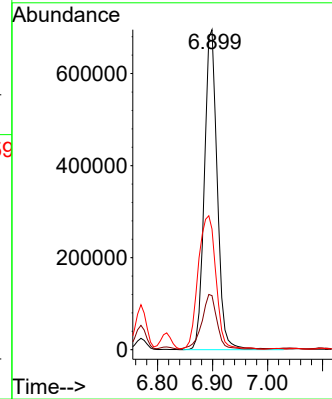
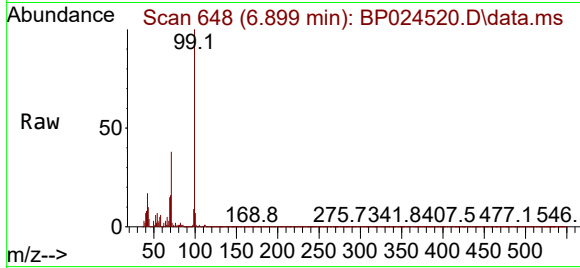




#7
Phenol-d6
Concen: 80.206 ng
RT: 6.899 min Scan# 64
Delta R.T. -0.012 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

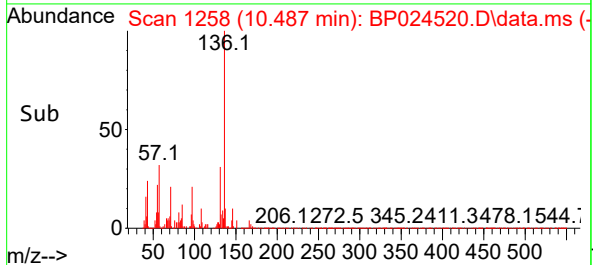
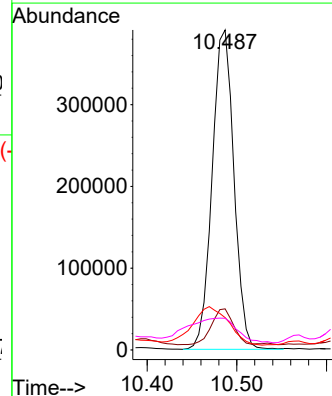
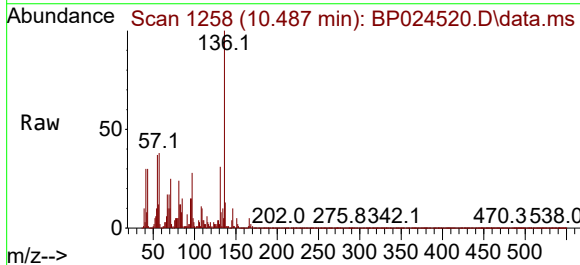
Instrument :
BNA_P
ClientSampleId :
SS-6

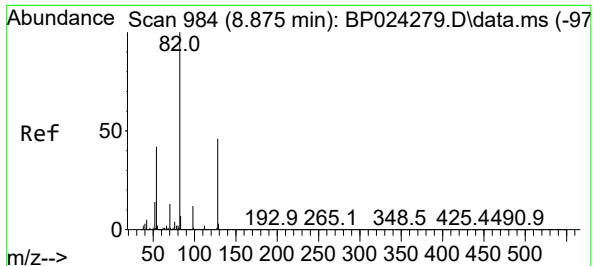
Tgt Ion: 99 Resp: 1132776
Ion Ratio Lower Upper
99 100
42 16.9 10.6 16.0#
71 37.7 23.7 35.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.487 min Scan# 1258
Delta R.T. -0.012 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

Tgt Ion: 136 Resp: 657655
Ion Ratio Lower Upper
136 100
137 12.9 9.2 13.8
54 10.1 6.0 9.0#
68 9.9 5.5 8.3#

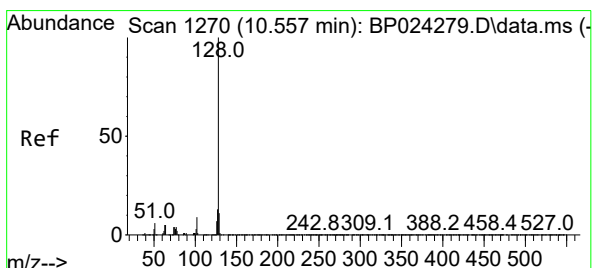
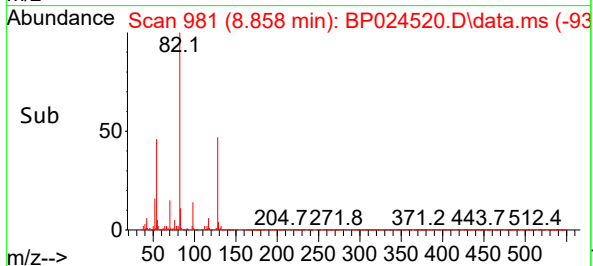
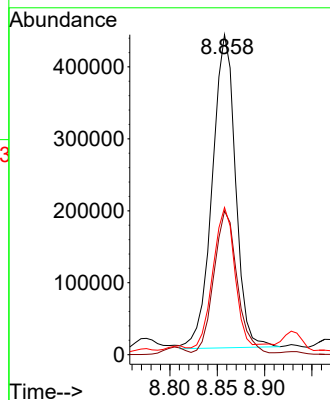
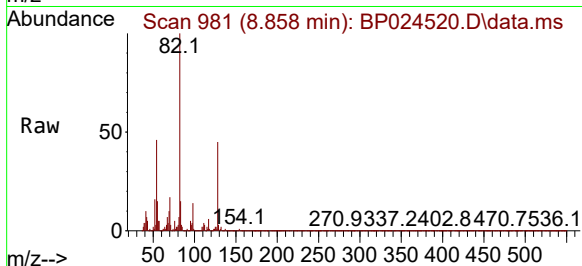




#23
Nitrobenzene-d5
Concen: 64.461 ng
RT: 8.858 min Scan# 91
Delta R.T. -0.012 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

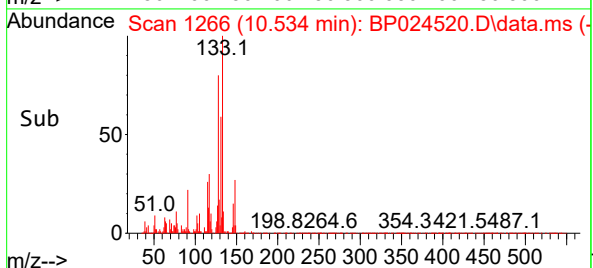
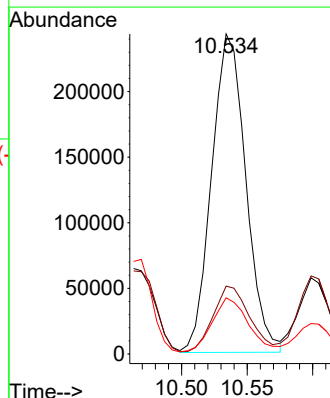
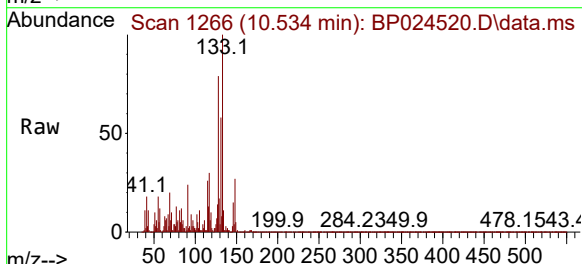
Instrument :
BNA_P
ClientSampleId :
SS-6

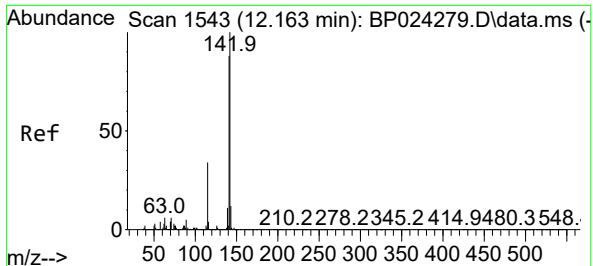
Tgt Ion: 82 Resp: 743467
Ion Ratio Lower Upper
82 100
128 44.9 36.5 54.7
54 46.0 33.4 50.2



#31
Naphthalene
Concen: 12.713 ng
RT: 10.534 min Scan# 1266
Delta R.T. -0.012 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

Tgt Ion: 128 Resp: 440408
Ion Ratio Lower Upper
128 100
129 21.2 8.6 13.0#
127 17.6 10.3 15.5#

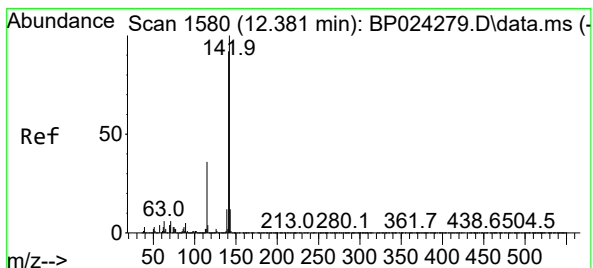
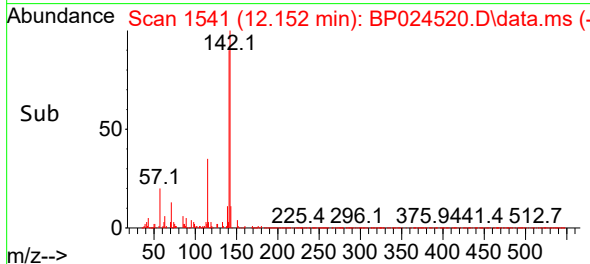
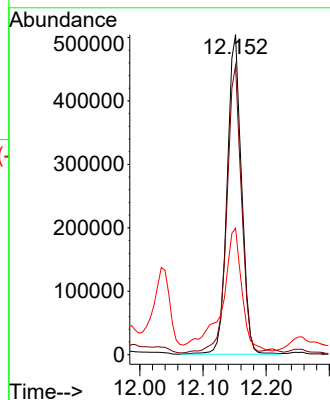
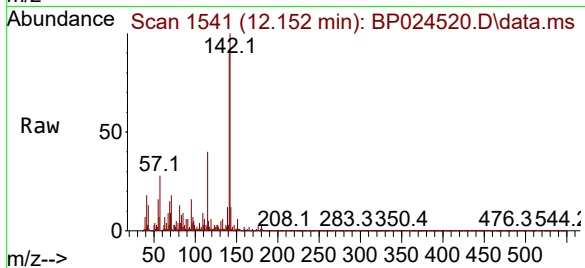




#37
2-Methylnaphthalene
Concen: 33.213 ng
RT: 12.152 min Scan# 1541
Delta R.T. -0.006 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

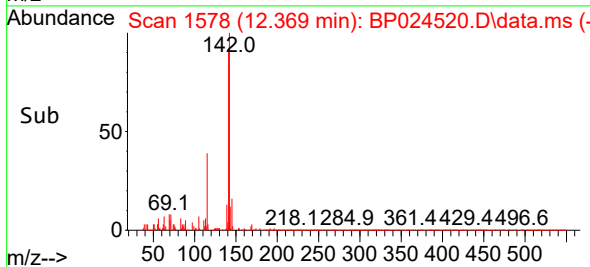
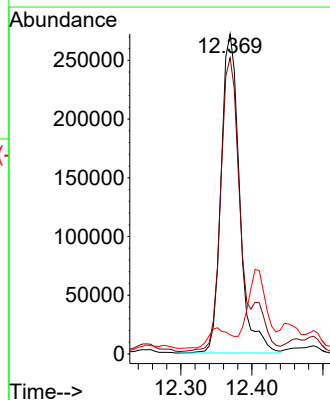
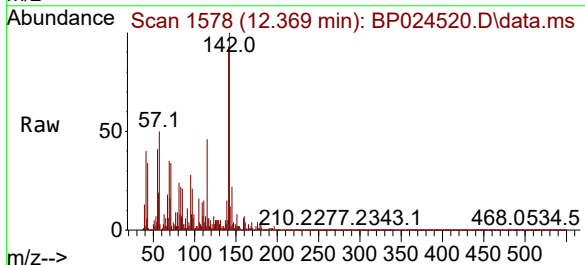
Instrument :
BNA_P
ClientSampleId :
SS-6

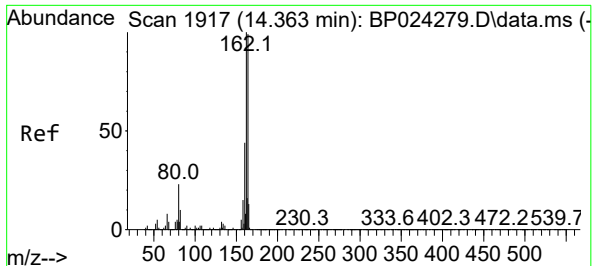
Tgt Ion:142 Resp: 797946
Ion Ratio Lower Upper
142 100
141 90.3 70.3 105.5
115 39.5 26.9 40.3



#38
1-Methylnaphthalene
Concen: 20.829 ng
RT: 12.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

Tgt Ion:142 Resp: 489543
Ion Ratio Lower Upper
142 100
141 92.6 73.6 110.4
116 6.0 3.0 4.6#

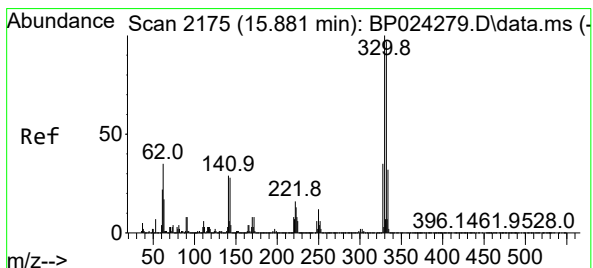
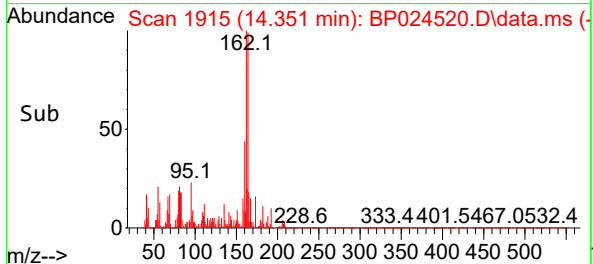
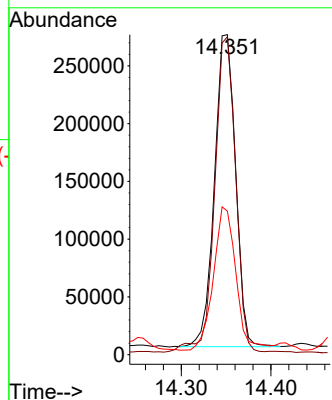
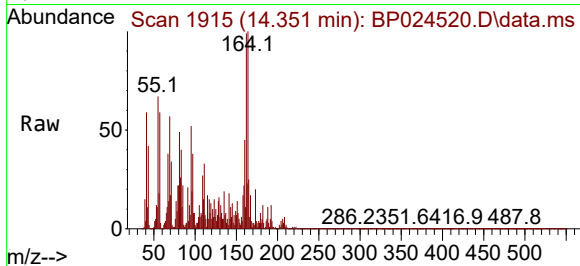




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.351 min Scan# 1915
Delta R.T. 0.000 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

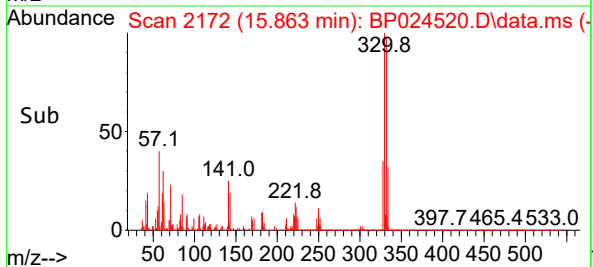
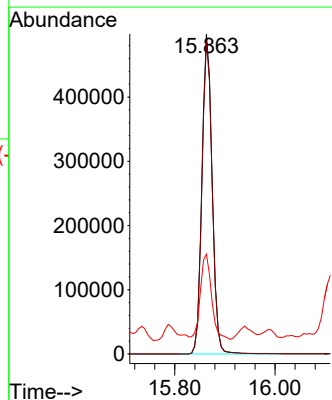
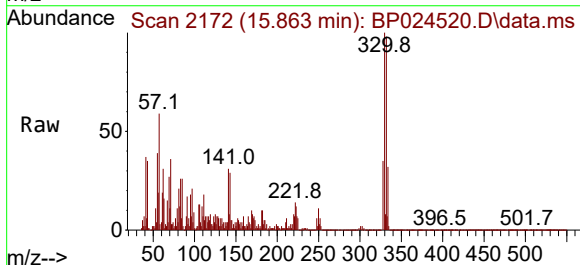
Instrument :
BNA_P
ClientSampleId :
SS-6

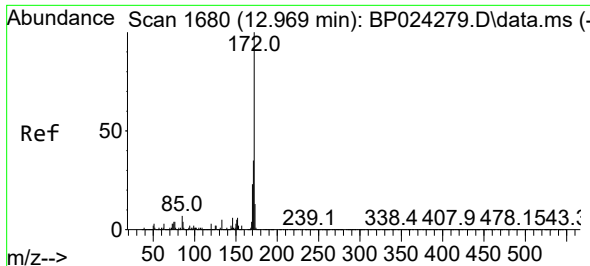
Tgt Ion:164 Resp: 442093
Ion Ratio Lower Upper
164 100
162 99.4 80.6 120.8
160 44.9 35.3 52.9



#42
2,4,6-Tribromophenol
Concen: 115.200 ng
RT: 15.863 min Scan# 2172
Delta R.T. 0.000 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

Tgt Ion:330 Resp: 704630
Ion Ratio Lower Upper
330 100
332 97.5 77.1 115.7
141 29.1 24.7 37.1

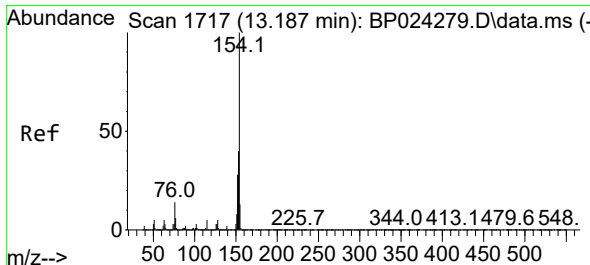
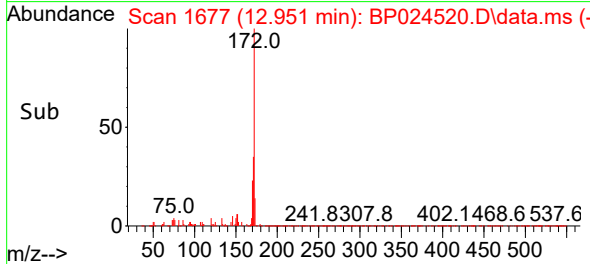
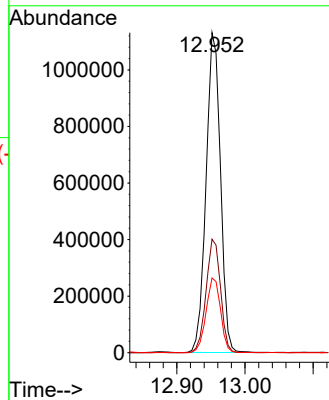
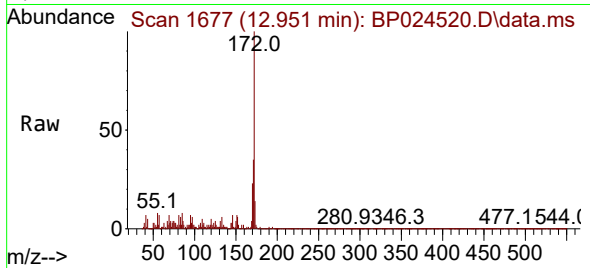




#45
2-Fluorobiphenyl
Concen: 57.549 ng
RT: 12.951 min Scan# 1680
Delta R.T. -0.012 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

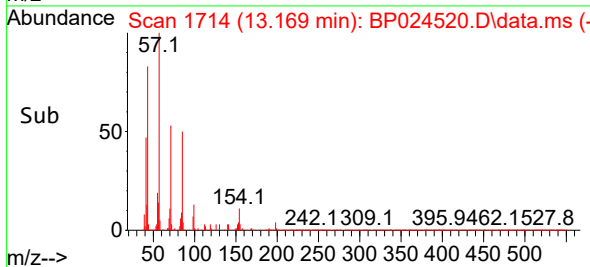
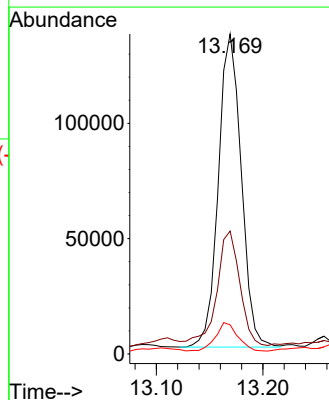
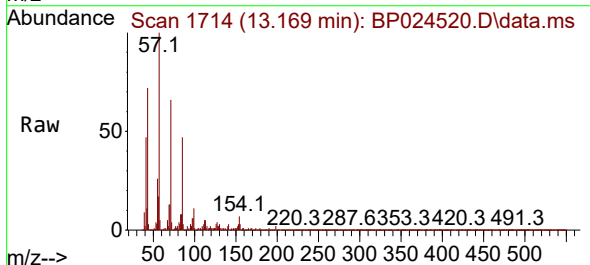
Instrument :
BNA_P
ClientSampleId :
SS-6

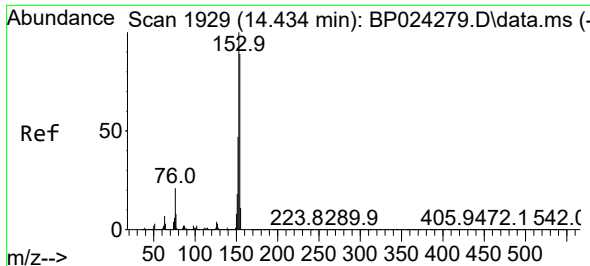
Tgt Ion:172 Resp: 1661684
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.2
170 23.4 18.6 27.8



#46
1,1'-Biphenyl
Concen: 6.230 ng
RT: 13.169 min Scan# 1714
Delta R.T. -0.006 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

Tgt Ion:154 Resp: 202455
Ion Ratio Lower Upper
154 100
153 38.4 20.3 60.3
76 9.1 0.0 33.5

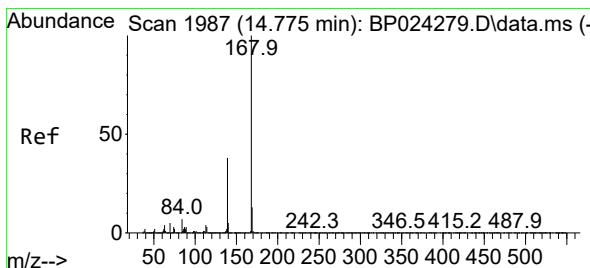
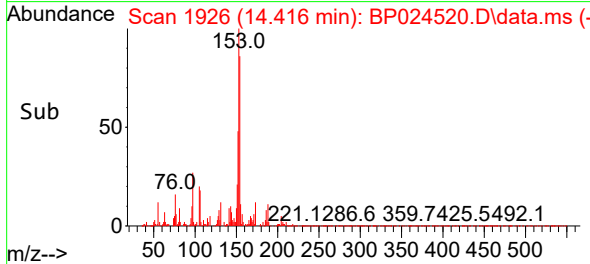
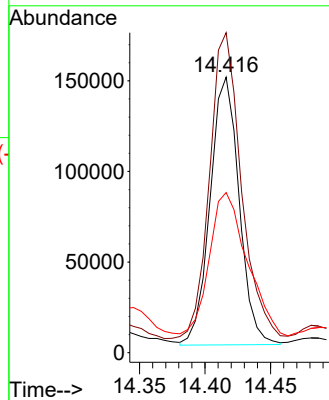
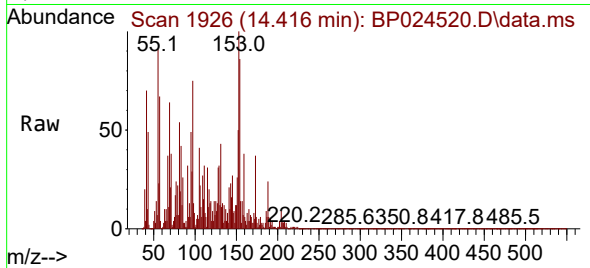




#52
Acenaphthene
Concen: 9.382 ng
RT: 14.416 min Scan# 1926
Delta R.T. -0.006 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

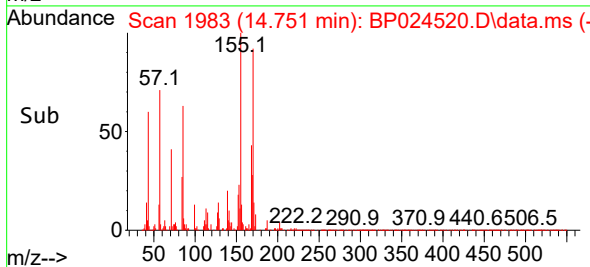
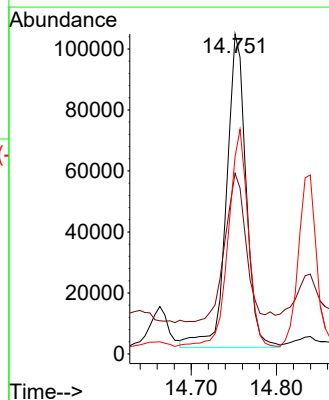
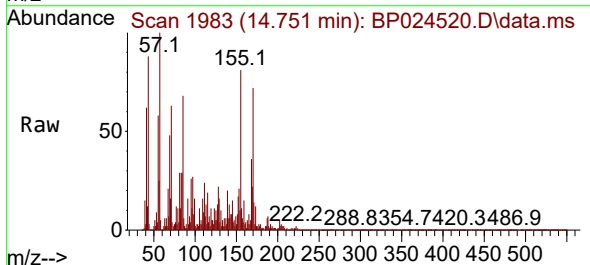
Instrument :
BNA_P
ClientSampleId :
SS-6

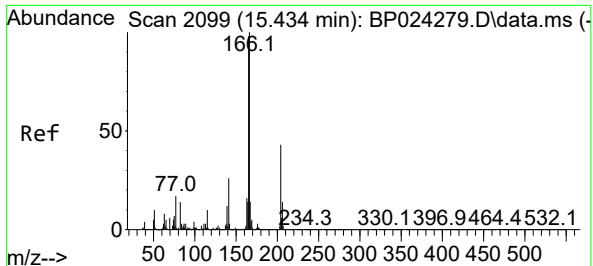
Tgt Ion:154 Resp: 227449
Ion Ratio Lower Upper
154 100
153 116.1 89.8 134.6
152 58.1 42.6 63.8



#55
Dibenzofuran
Concen: 4.140 ng
RT: 14.751 min Scan# 1983
Delta R.T. -0.006 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

Tgt Ion:168 Resp: 164037
Ion Ratio Lower Upper
168 100
139 56.4 30.3 45.5#
169 61.7 10.6 16.0#

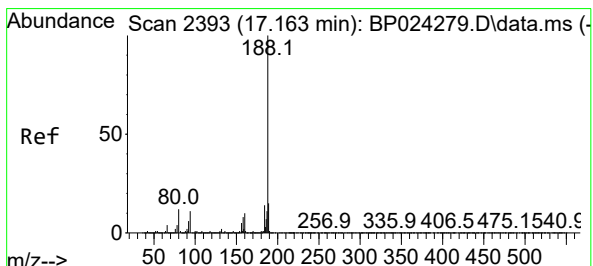
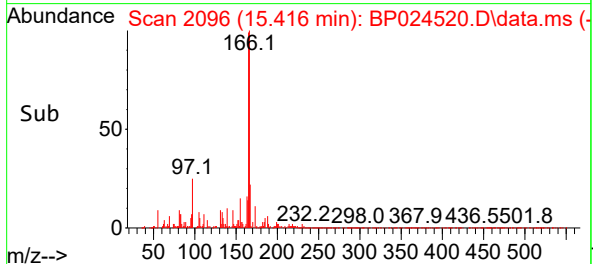
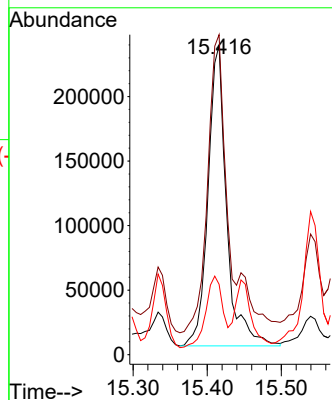
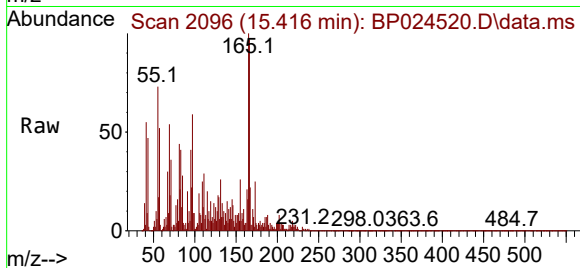




#58
Fluorene
Concen: 13.190 ng
RT: 15.416 min Scan# 2096
Delta R.T. 0.000 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

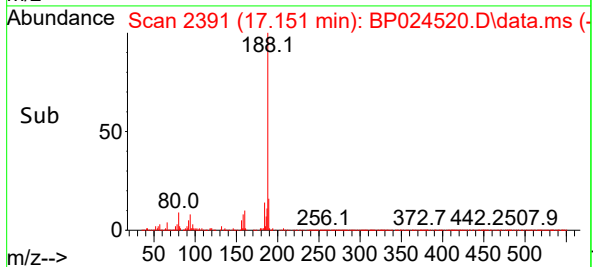
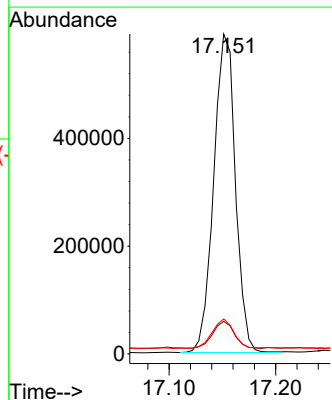
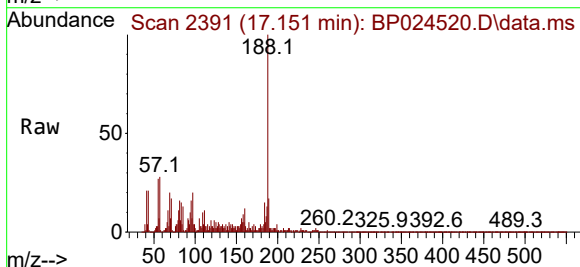
Instrument :
BNA_P
ClientSampleId :
SS-6

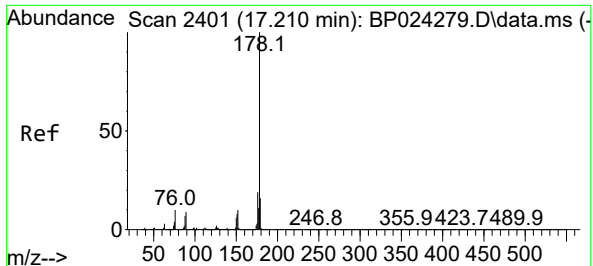
Tgt Ion:166 Resp: 404599
Ion Ratio Lower Upper
166 100
165 103.5 78.1 117.1
167 22.7 10.9 16.3#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.151 min Scan# 2391
Delta R.T. 0.006 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

Tgt Ion:188 Resp: 835247
Ion Ratio Lower Upper
188 100
94 10.2 8.6 13.0
80 10.9 9.8 14.6

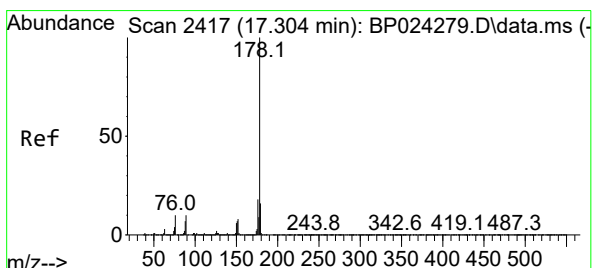
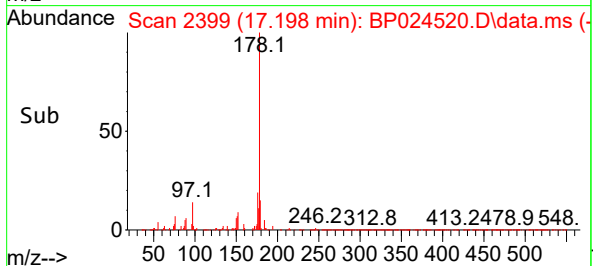
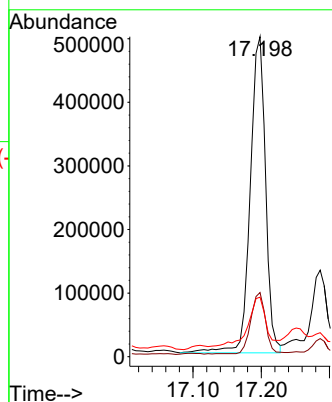
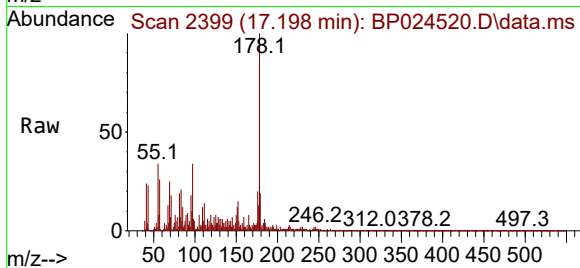




#71
Phenanthrene
Concen: 17.075 ng
RT: 17.198 min Scan# 21
Delta R.T. 0.006 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

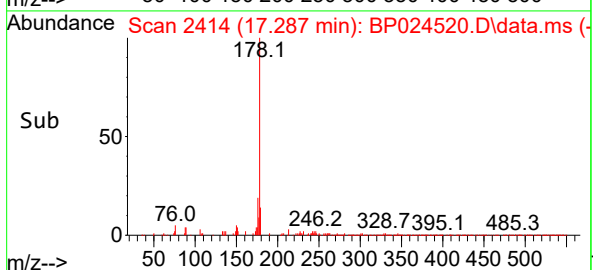
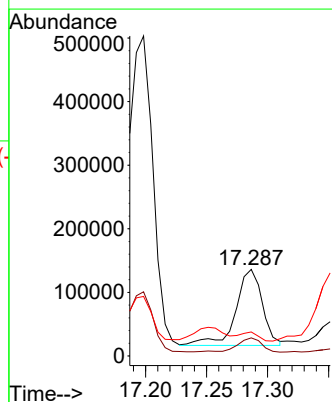
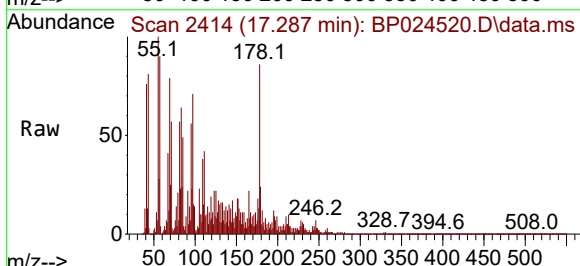
Instrument :
BNA_P
ClientSampleId :
SS-6

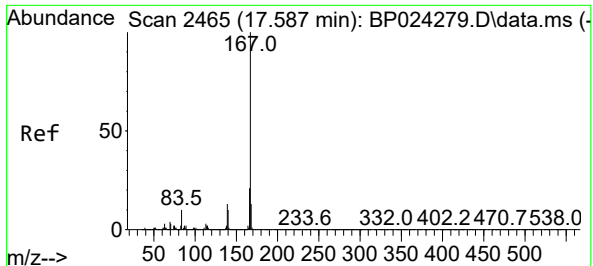
Tgt Ion:178 Resp: 778011
Ion Ratio Lower Upper
178 100
176 20.0 15.4 23.0
179 18.6 12.5 18.7



#72
Anthracene
Concen: 4.101 ng m
RT: 17.287 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

Tgt Ion:178 Resp: 180095
Ion Ratio Lower Upper
178 100
176 20.8 14.7 22.1
179 27.7 12.4 18.6#

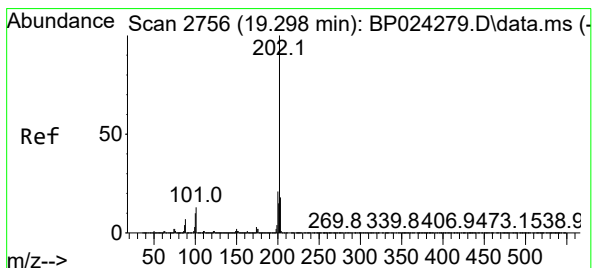
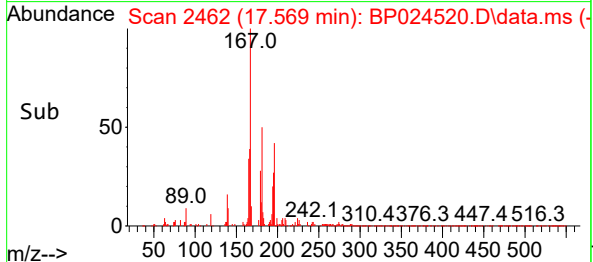
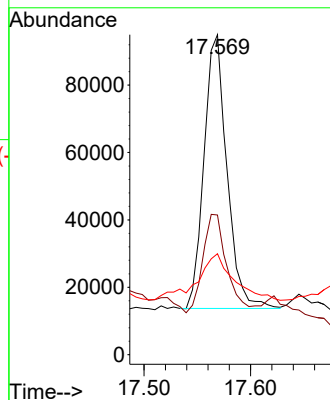
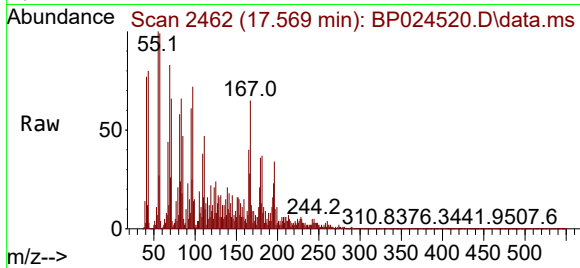




#73
 Carbazole
 Concen: 2.830 ng
 RT: 17.569 min Scan# 2462
 Delta R.T. 0.000 min
 Lab File: BP024520.D
 Acq: 02 May 2025 22:27

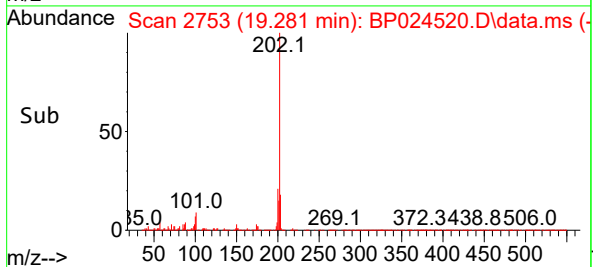
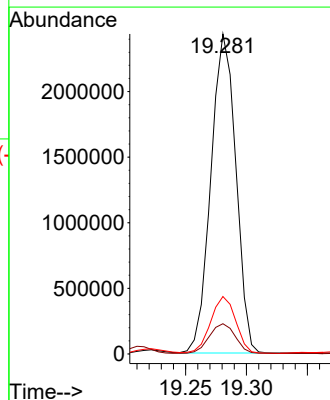
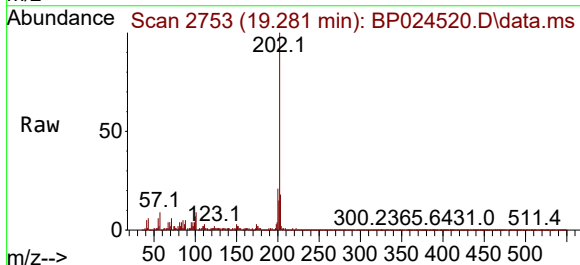
Instrument :
 BNA_P
 ClientSampleId :
 SS-6

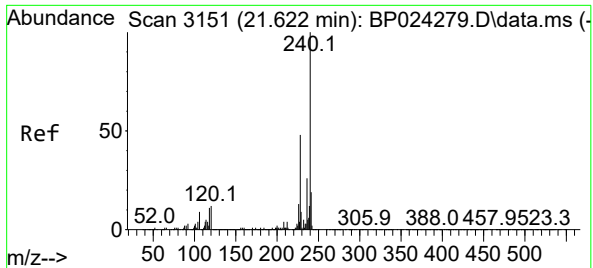
Tgt Ion:167 Resp: 121421
 Ion Ratio Lower Upper
 167 100
 166 43.7 17.1 25.7#
 139 31.5 10.6 16.0#



#75
 Fluoranthene
 Concen: 64.096 ng
 RT: 19.281 min Scan# 2753
 Delta R.T. 0.000 min
 Lab File: BP024520.D
 Acq: 02 May 2025 22:27

Tgt Ion:202 Resp: 3473505
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 33.2
 203 18.0 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.586 min Scan# 3151

Delta R.T. -0.006 min

Lab File: BP024520.D

Acq: 02 May 2025 22:27

Instrument :

BNA_P

ClientSampleId :

SS-6

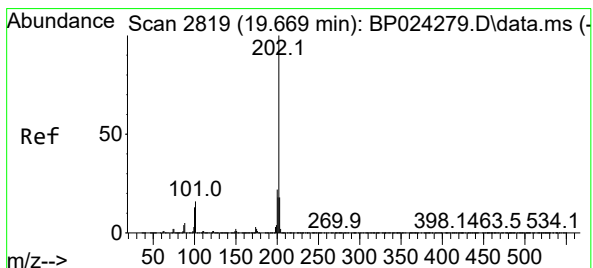
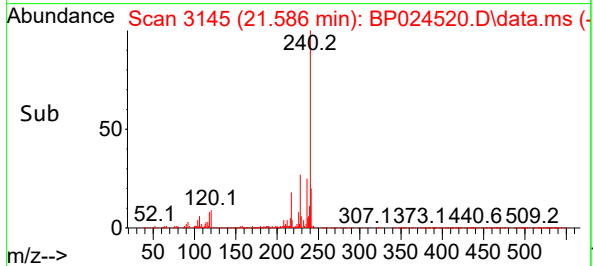
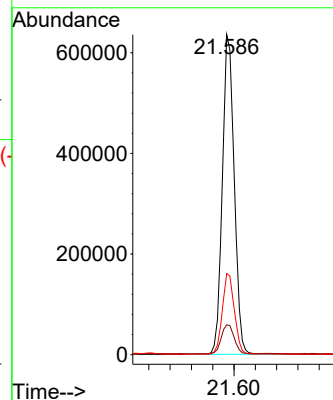
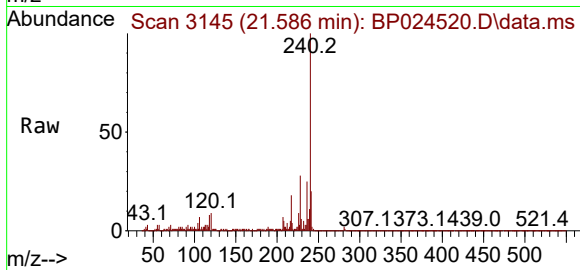
Tgt Ion:240 Resp: 983824

Ion Ratio Lower Upper

240 100

120 9.3 9.8 14.8#

236 25.4 20.9 31.3



#78

Pyrene

Concen: 47.059 ng

RT: 19.657 min Scan# 2817

Delta R.T. 0.006 min

Lab File: BP024520.D

Acq: 02 May 2025 22:27

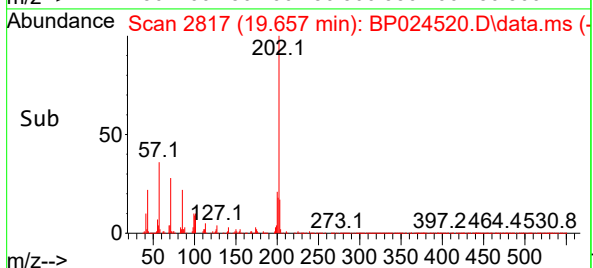
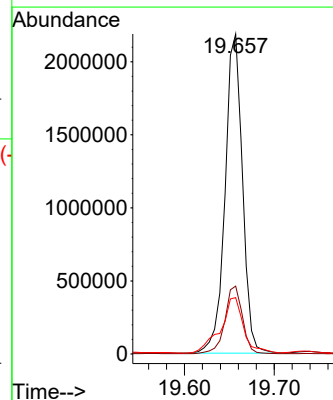
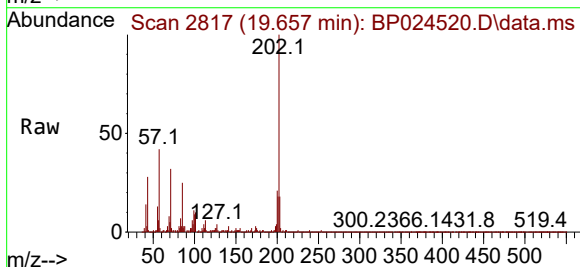
Tgt Ion:202 Resp: 2942248

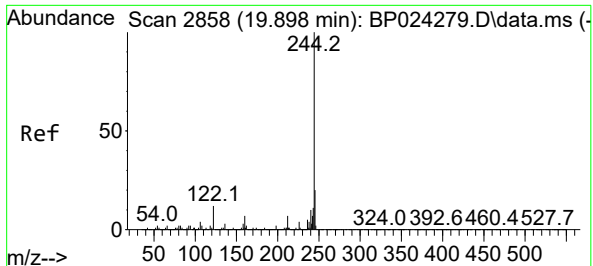
Ion Ratio Lower Upper

202 100

200 21.2 17.2 25.8

203 17.6 14.4 21.6

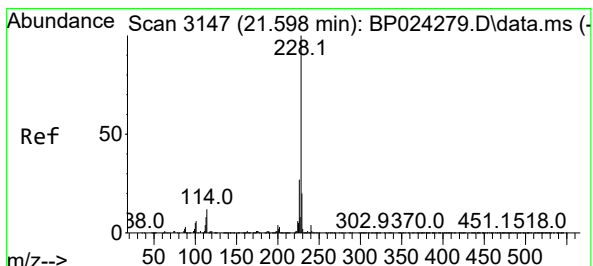
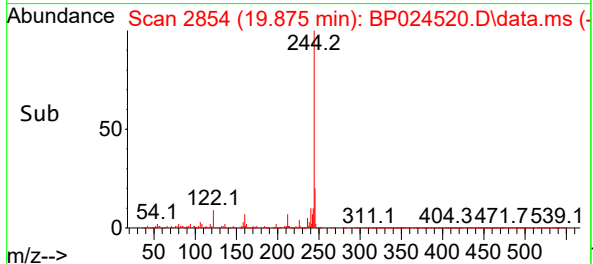
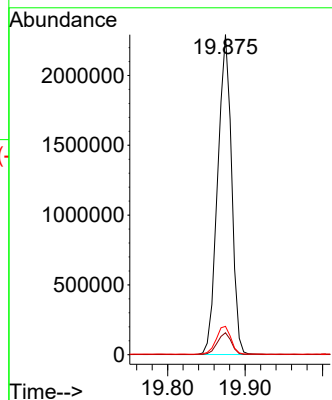
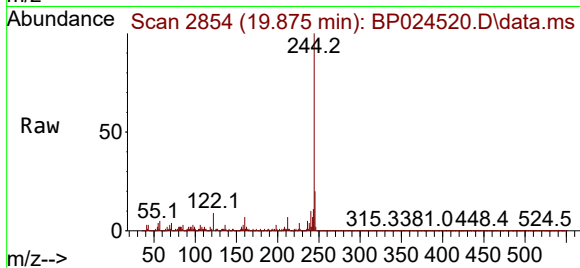




#79
Terphenyl-d14
Concen: 58.396 ng
RT: 19.875 min Scan# 21
Delta R.T. 0.000 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

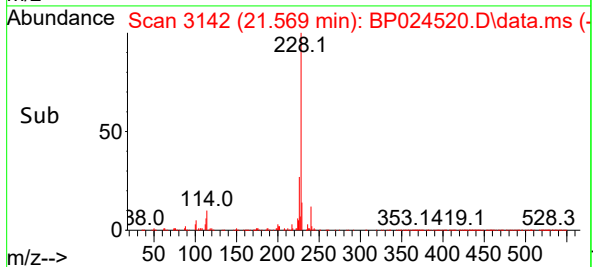
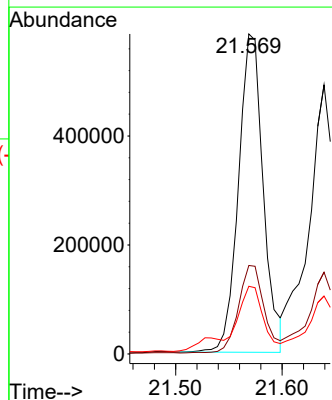
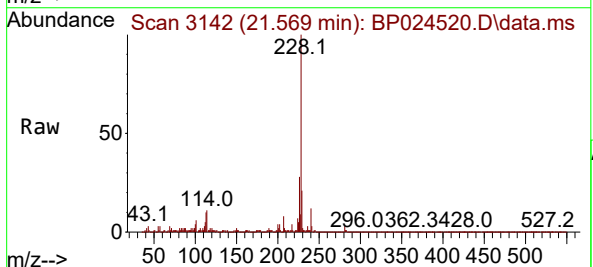
Instrument :
BNA_P
ClientSampleId :
SS-6

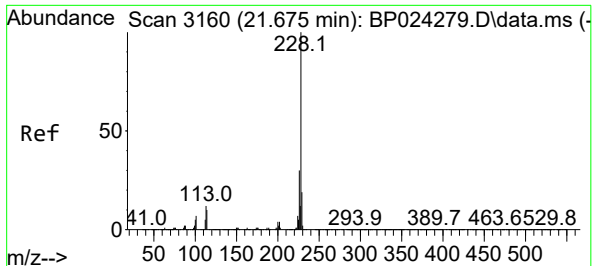
Tgt Ion:244 Resp: 2850305
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 8.8 9.4 14.0#



#81
Benzo(a)anthracene
Concen: 15.472 ng
RT: 21.569 min Scan# 3142
Delta R.T. 0.000 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

Tgt Ion:228 Resp: 946151
Ion Ratio Lower Upper
228 100
226 27.7 21.8 32.8
229 21.2 15.9 23.9





#83

Chrysene

Concen: 14.345 ng

RT: 21.639 min Scan# 31

Delta R.T. 0.000 min

Lab File: BP024520.D

Acq: 02 May 2025 22:27

Instrument :

BNA_P

ClientSampleId :

SS-6

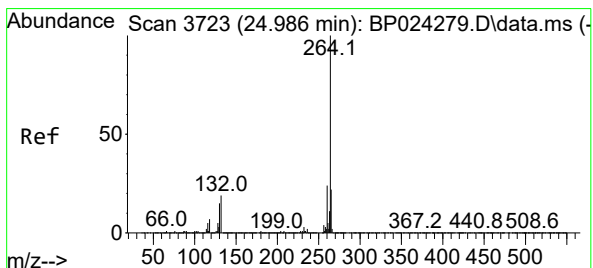
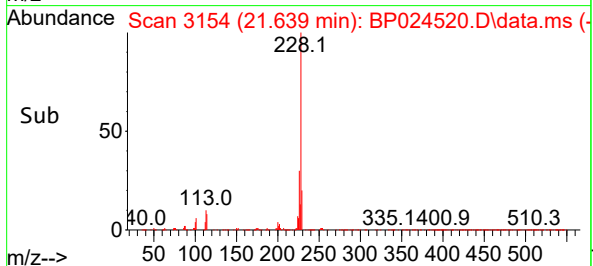
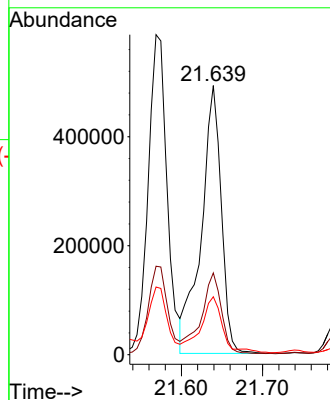
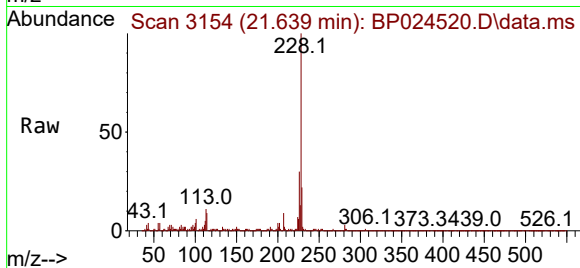
Tgt Ion:228 Resp: 840423

Ion Ratio Lower Upper

228 100

226 30.4 24.2 36.2

229 21.5 15.6 23.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.939 min Scan# 3715

Delta R.T. 0.006 min

Lab File: BP024520.D

Acq: 02 May 2025 22:27

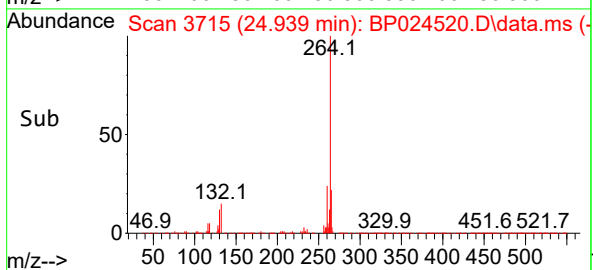
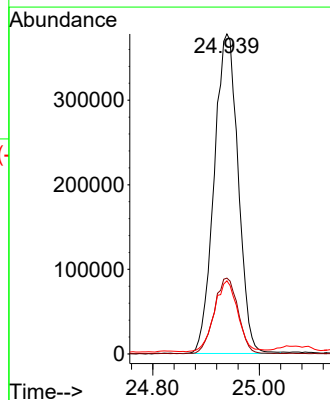
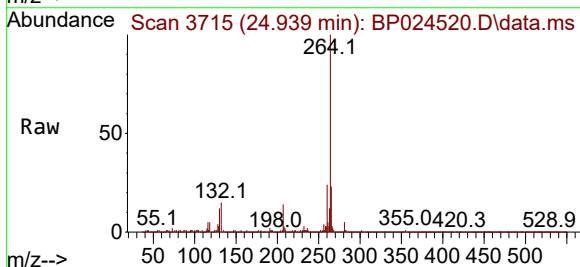
Tgt Ion:264 Resp: 1181270

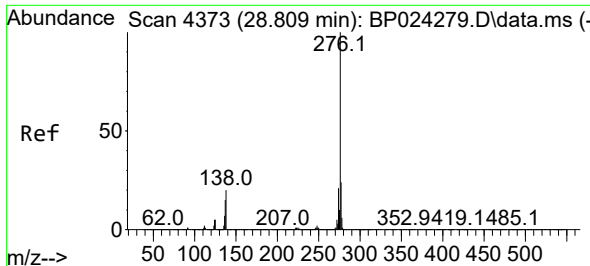
Ion Ratio Lower Upper

264 100

260 23.7 18.9 28.3

265 22.8 17.8 26.6

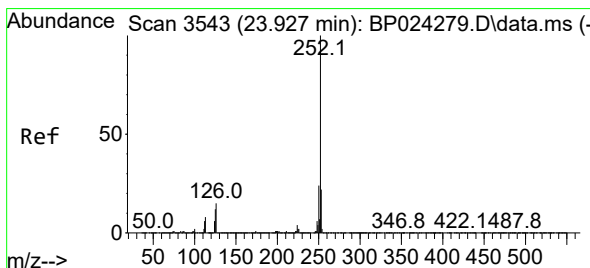
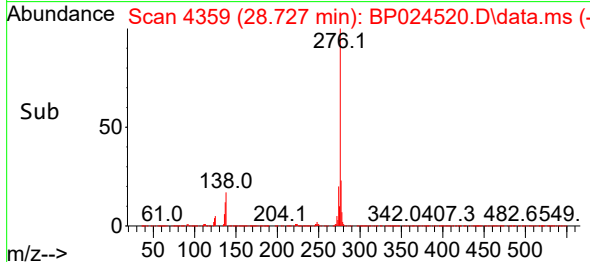
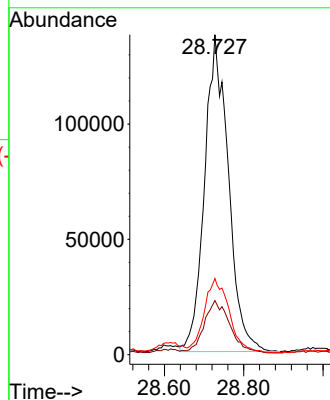
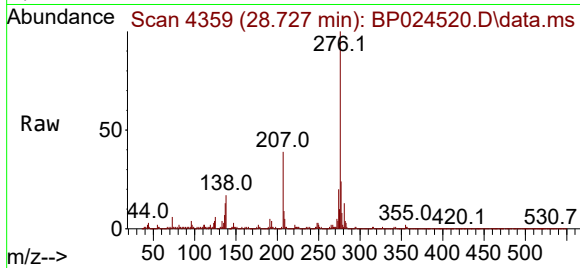




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.985 ng
 RT: 28.727 min Scan# 41
 Delta R.T. -0.012 min
 Lab File: BP024520.D
 Acq: 02 May 2025 22:27

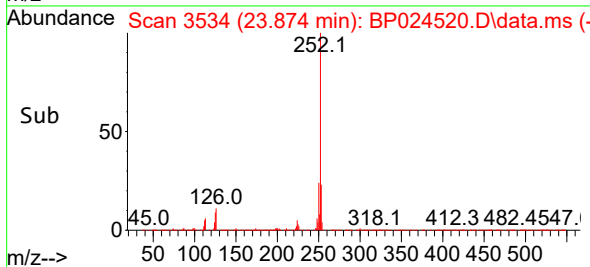
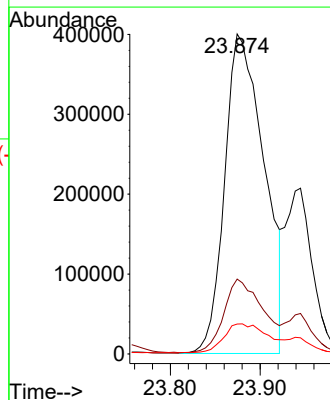
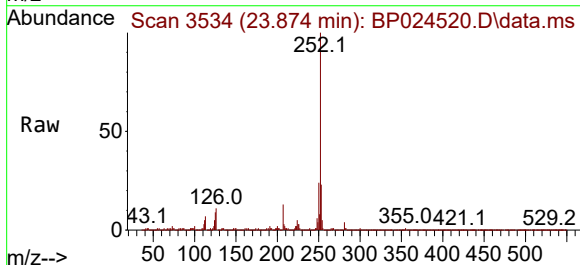
Instrument :
 BNA_P
 ClientSampleId :
 SS-6

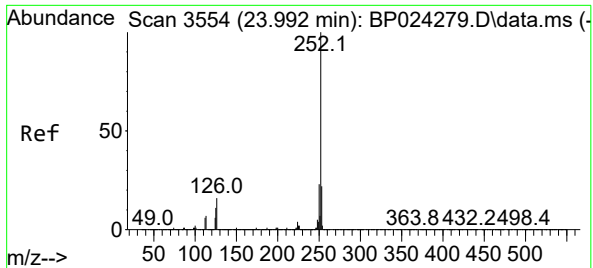
Tgt Ion:276 Resp: 572799
 Ion Ratio Lower Upper
 276 100
 138 17.7 14.5 21.7
 277 24.8 20.2 30.2



#88
 Benzo(b)fluoranthene
 Concen: 17.280 ng m
 RT: 23.874 min Scan# 3534
 Delta R.T. -0.012 min
 Lab File: BP024520.D
 Acq: 02 May 2025 22:27

Tgt Ion:252 Resp: 1223565
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.7 26.5
 125 9.3 9.4 14.0#





#89

Benzo(k)fluoranthene

Concen: 6.221 ng m

RT: 23.945 min Scan# 3

Delta R.T. -0.012 min

Lab File: BP024520.D

Acq: 02 May 2025 22:27

Instrument :

BNA_P

ClientSampleId :

SS-6

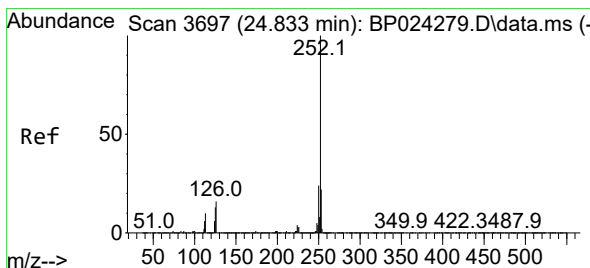
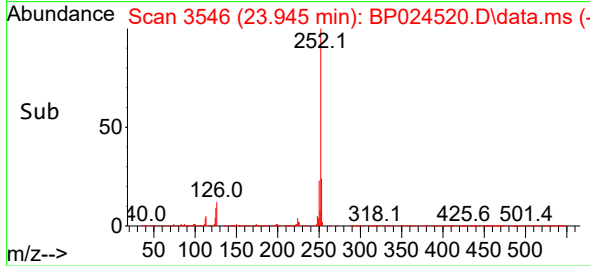
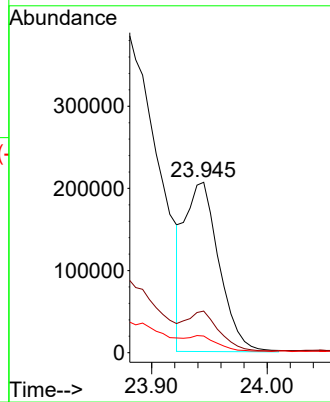
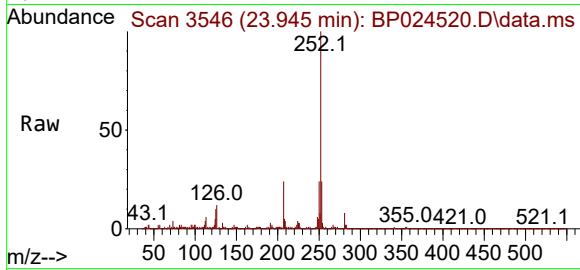
Tgt Ion:252 Resp: 425501

Ion Ratio Lower Upper

252 100

253 24.5 17.7 26.5

125 9.8 9.1 13.7



#90

Benzo(a)pyrene

Concen: 14.577 ng m

RT: 24.769 min Scan# 3686

Delta R.T. -0.012 min

Lab File: BP024520.D

Acq: 02 May 2025 22:27

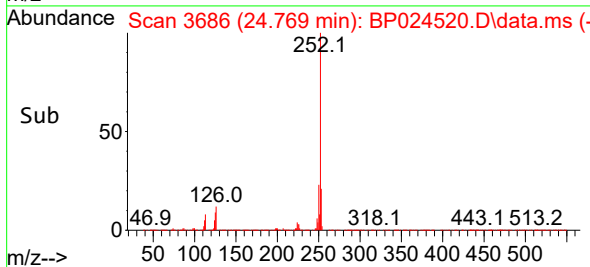
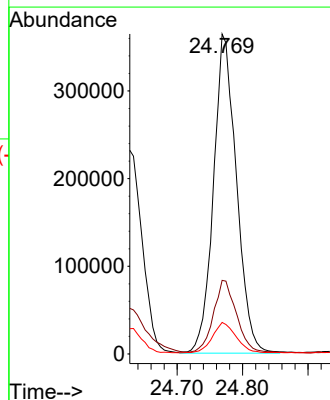
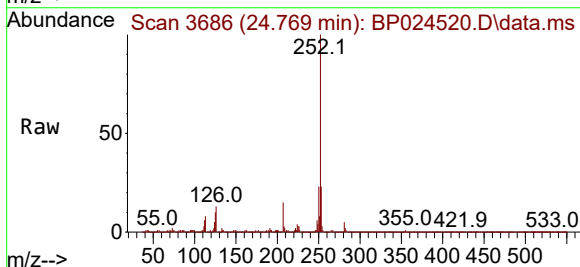
Tgt Ion:252 Resp: 890340

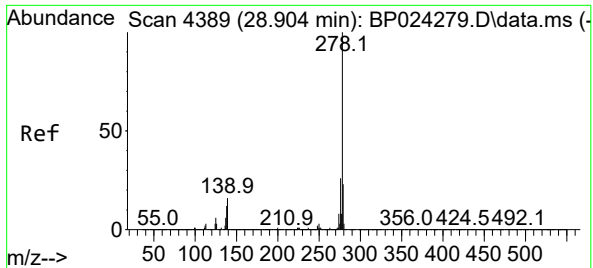
Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

125 9.9 10.1 15.1#

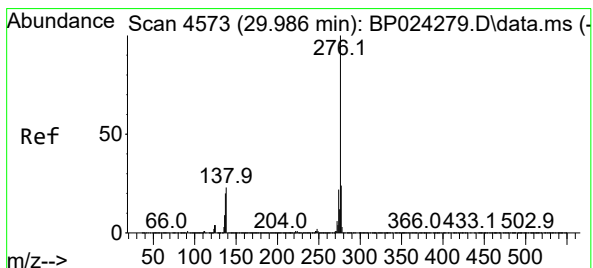
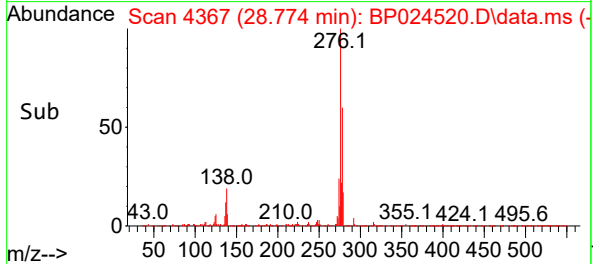
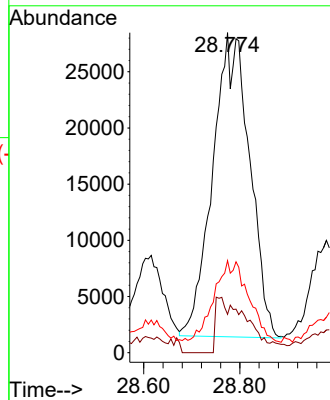
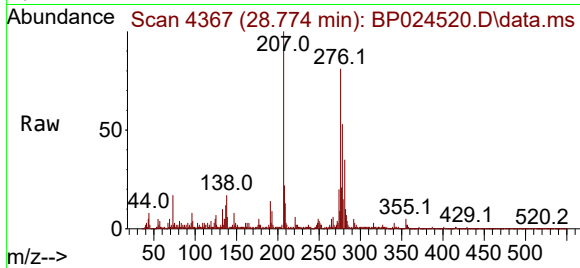




#91
Dibenzo(a,h)anthracene
Concen: 2.121 ng m
RT: 28.774 min Scan# 41
Delta R.T. -0.029 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

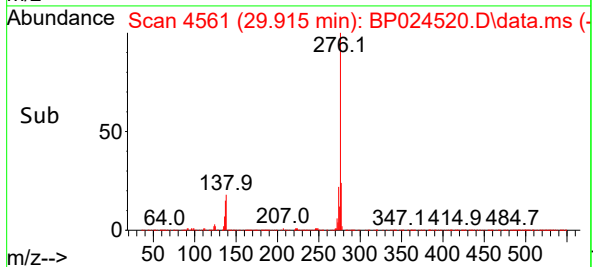
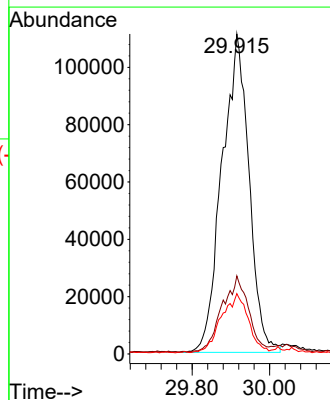
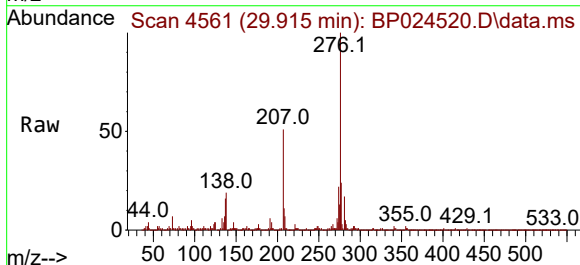
Instrument :
BNA_P
ClientSampleId :
SS-6

Tgt Ion: 278 Resp: 144382
Ion Ratio Lower Upper
278 100
139 12.0 12.6 19.0#
279 28.8 18.5 27.7#



#92
Benzo(g,h,i)perylene
Concen: 7.765 ng
RT: 29.915 min Scan# 4561
Delta R.T. 0.018 min
Lab File: BP024520.D
Acq: 02 May 2025 22:27

Tgt Ion: 276 Resp: 538013
Ion Ratio Lower Upper
276 100
277 24.4 18.9 28.3
138 18.9 18.7 28.1



Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-7	SDG No.:	Q1914
Lab Sample ID:	Q1914-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BM050089.D	1	04/30/25 11:00	05/02/25 17:17	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	970		26.7	200	ug/Kg
208-96-8	Acenaphthylene	200	U	34.0	200	ug/Kg
83-32-9	Acenaphthene	200	U	25.0	200	ug/Kg
86-73-7	Fluorene	200	U	29.7	200	ug/Kg
85-01-8	Phenanthrene	780		24.6	200	ug/Kg
120-12-7	Anthracene	200	U	39.1	200	ug/Kg
206-44-0	Fluoranthene	890		35.3	200	ug/Kg
129-00-0	Pyrene	1100		42.3	200	ug/Kg
56-55-3	Benzo(a)anthracene	400		27.0	200	ug/Kg
218-01-9	Chrysene	490		23.4	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	200		26.3	200	ug/Kg
50-32-8	Benzo(a)pyrene	410		34.7	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250		34.2	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	200	U	32.2	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	310		30.2	200	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	72.3		18 - 107	72%	SPK: 100
321-60-8	2-Fluorobiphenyl	40.2		20 - 109	40%	SPK: 100
1718-51-0	Terphenyl-d14	44.5		10 - 105	44%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	450000	7.751			
1146-65-2	Naphthalene-d8	1020000	10.557			
15067-26-2	Acenaphthene-d10	947000	14.41			
1517-22-2	Phenanthrene-d10	1900000	17.157			
1719-03-5	Chrysene-d12	1410000	21.386			
1520-96-3	Perylene-d12	1490000	24.38			

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-7	SDG No.:	Q1914
Lab Sample ID:	Q1914-08	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	85
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BM050089.D	1	04/30/25 11:00	05/02/25 17:17	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050089.D
 Acq On : 02 May 2025 17:17
 Operator : RC/JU
 Sample : Q1914-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-7

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

Quant Time: May 02 23:57:31 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)	
Internal Standards							05/05/2025
1) 1,4-Dichlorobenzene-d4	7.751	152	450043	20.000	ng	-0.02	Supervised By :Jagrut padhyay
21) Naphthalene-d8	10.557	136	1023590	20.000	ng	# 0.00	
39) Acenaphthene-d10	14.410	164	947352	20.000	ng	0.00	
64) Phenanthrene-d10	17.157	188	1897249	20.000	ng	0.00	
76) Chrysene-d12	21.386	240	1412128	20.000	ng	-0.01	
86) Perylene-d12	24.380	264	1490251	20.000	ng	-0.02	05/05/2025
System Monitoring Compounds							
5) 2-Fluorophenol	5.340	112	1832982	71.320	ng	-0.02	
7) Phenol-d6	6.934	99	2199022	68.075	ng	-0.02	
23) Nitrobenzene-d5	8.910	82	1501937	72.304	ng	-0.02	
42) 2,4,6-Tribromophenol	15.904	330	1125353	80.337	ng	0.00	
45) 2-Fluorobiphenyl	13.028	172	3221533	40.228	ng	0.00	
79) Terphenyl-d14	19.780	244	4245502	44.488	ng	0.00	
Target Compounds							Qvalue
31) Naphthalene	10.598	128	1285753	24.804	ng	#	85
37) 2-Methylnaphthalene	12.228	142	2715680	78.140	ng		98
38) 1-Methylnaphthalene	12.439	142	1672580m	45.476	ng		
46) 1,1'-Biphenyl	13.233	154	570929	8.107	ng		99
71) Phenanthrene	17.198	178	2127512	19.882	ng	#	96
75) Fluoranthene	19.215	202	2866451	22.816	ng		98
78) Pyrene	19.580	202	2754411	27.776	ng		99
81) Benzo(a)anthracene	21.368	228	993968	10.221	ng		98
83) Chrysene	21.427	228	1120290	12.448	ng		98
84) Bis(2-ethylhexyl)phtha...	21.286	149	180711	3.257	ng	#	95
87) Indeno(1,2,3-cd)pyrene	27.756	276	704410	6.344	ng		96
88) Benzo(b)fluoranthene	23.433	252	1399614	14.442	ng		98
89) Benzo(k)fluoranthene	23.492	252	489824m	4.997	ng		
90) Benzo(a)pyrene	24.239	252	958358	10.558	ng		98
92) Benzo(g,h,i)perylene	28.803	276	682505	7.876	ng		99

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

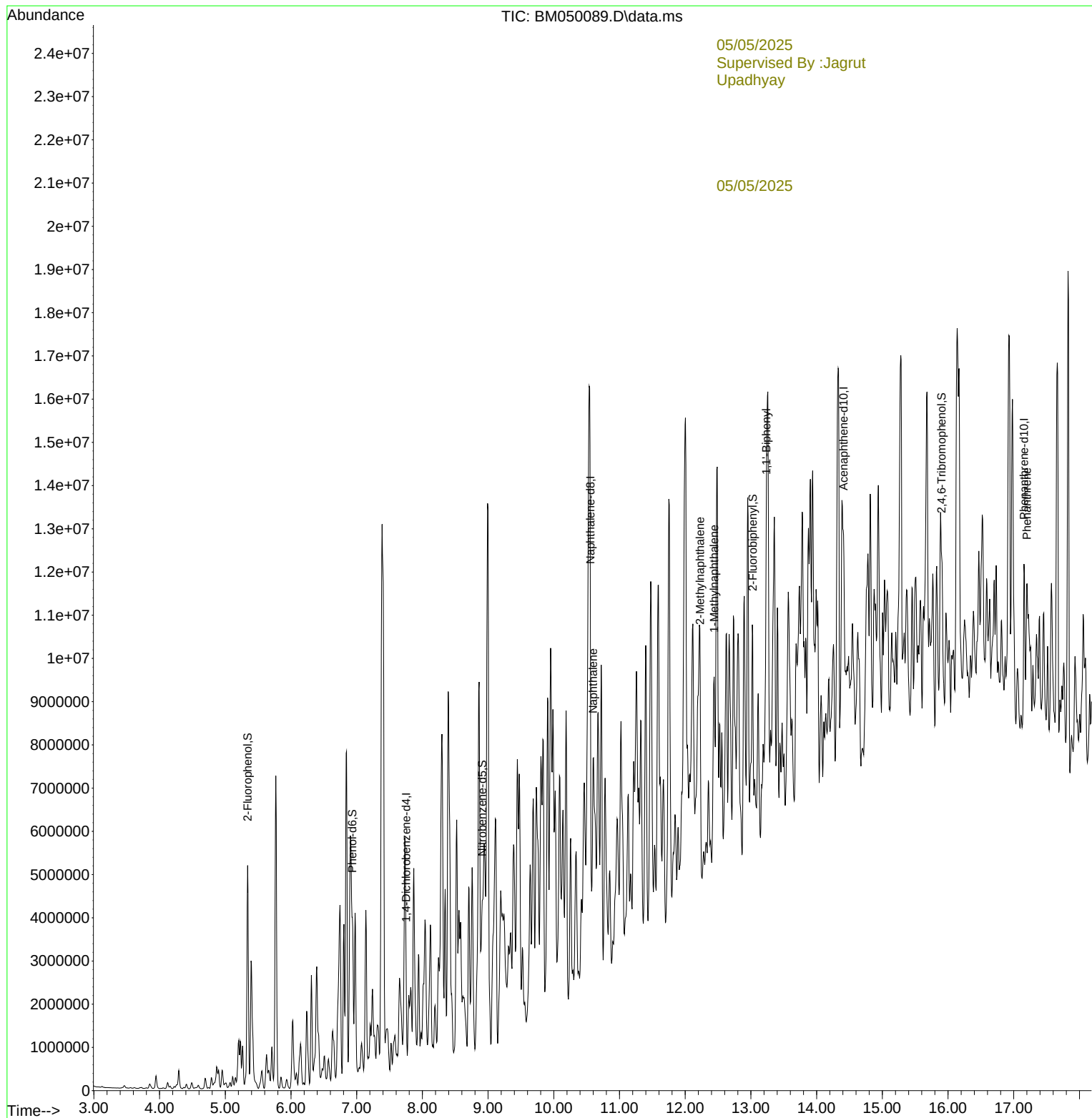
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050089.D
Acq On : 02 May 2025 17:17
Operator : RC/JU
Sample : Q1914-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-7

Quant Time: May 02 23:57:31 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



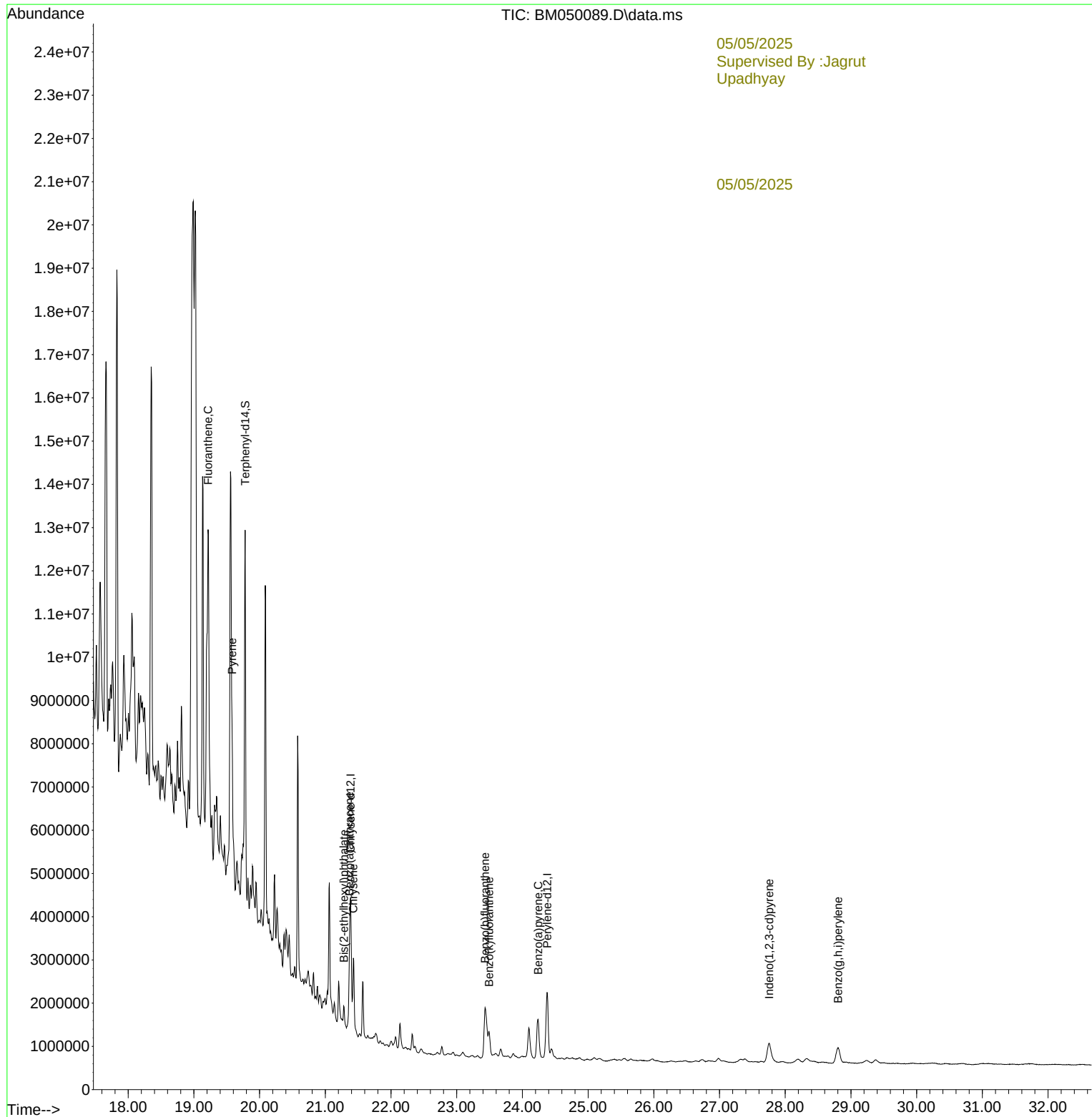
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Acq On : 02 May 2025 17:17
Operator : RC/JU
Sample : Q1914-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

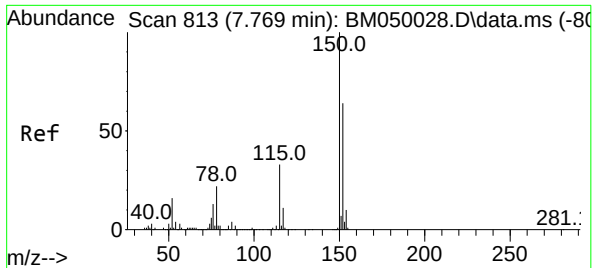
Instrument :
BNA_M
ClientSampleId :
SS-7

Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli

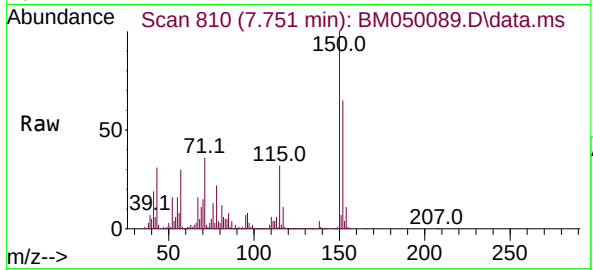
Quant Time: May 02 23:57:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.751 min Scan# 813
Delta R.T. -0.018 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

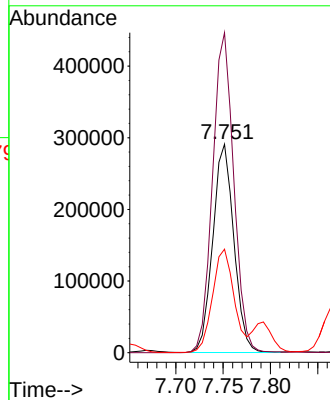
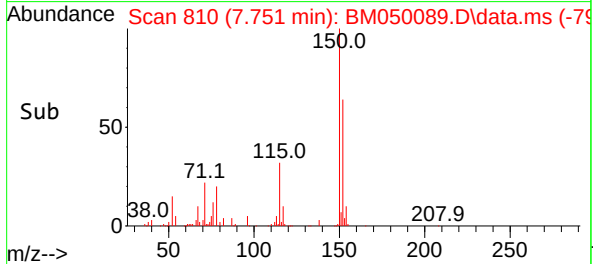
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion:152 Resp: 45004
Ion Ratio Lower Upper
152 100
150 153.5 124.1 186.1
115 49.7 41.2 61.8

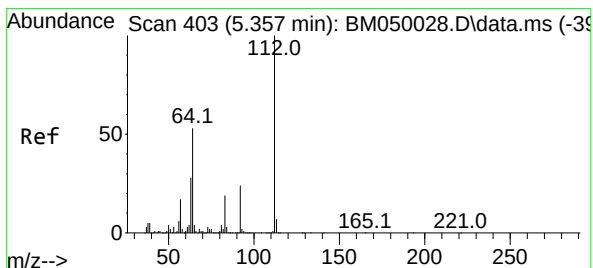
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli



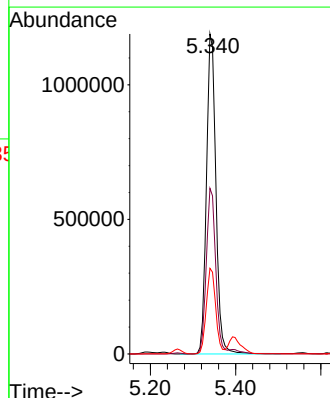
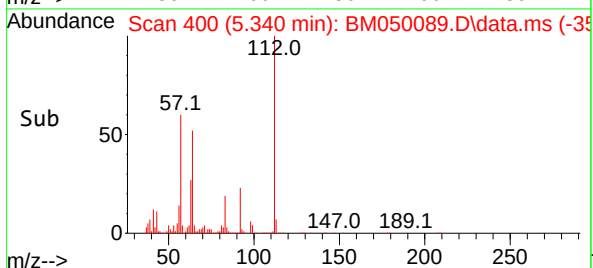
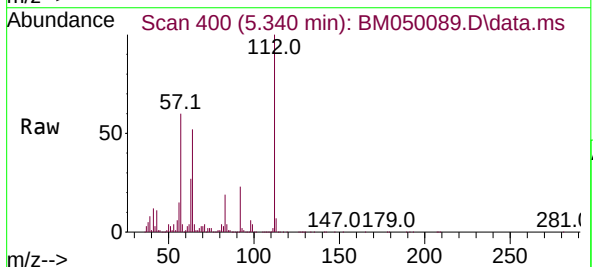
05/05/2025
Supervised By :Jagrut
Upadhyay

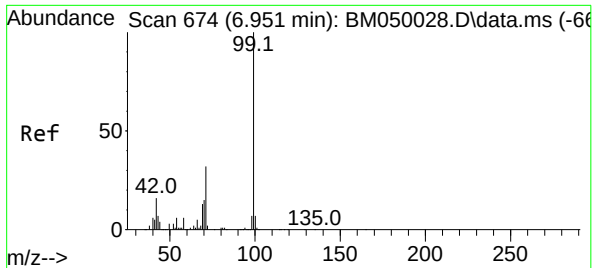
05/05/2025



#5
2-Fluorophenol
Concen: 71.320 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

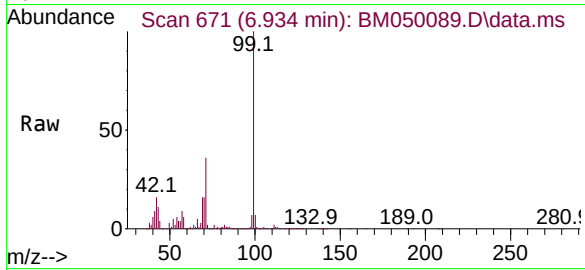
Tgt Ion:112 Resp: 1832982
Ion Ratio Lower Upper
112 100
64 51.7 42.6 64.0
63 26.7 22.2 33.4





#7
Phenol-d6
Concen: 68.075 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

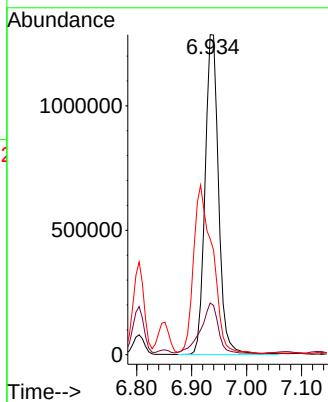
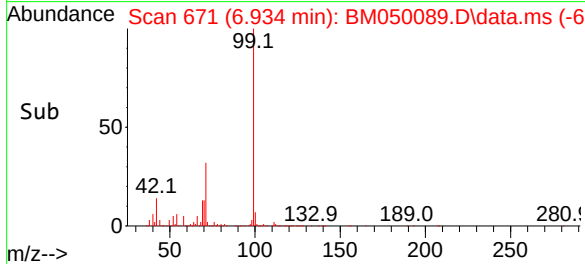
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion: 99 Resp: 219902
Ion Ratio Lower Upper
99 100
42 16.1 13.0 19.4
71 36.1 25.6 38.4

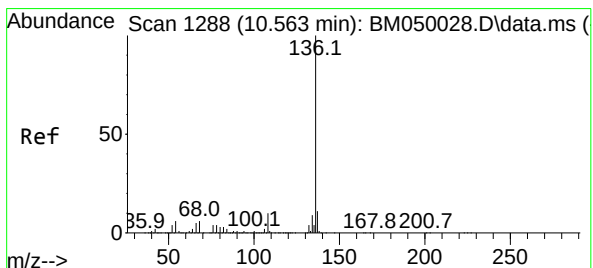
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Reviewed By :Rahul
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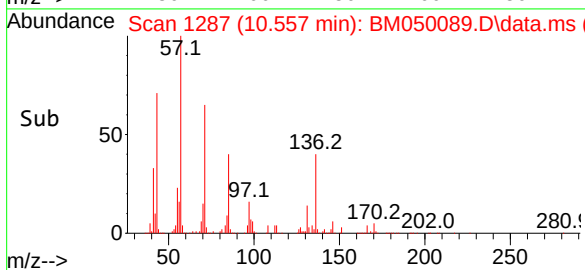
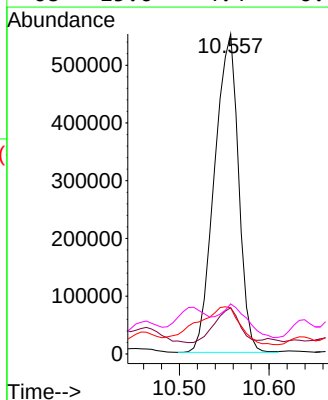
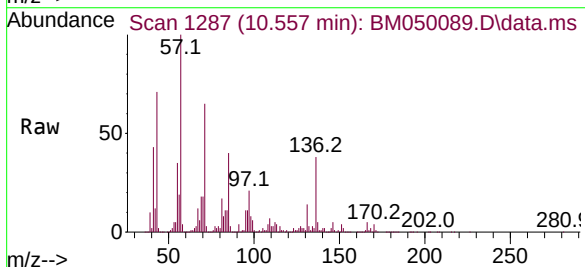
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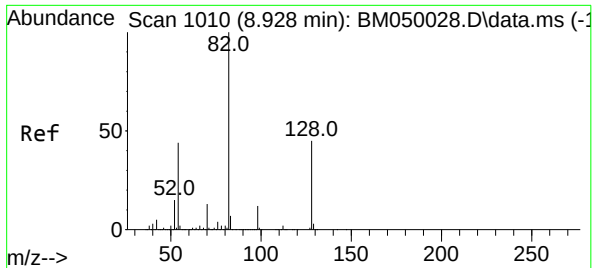
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

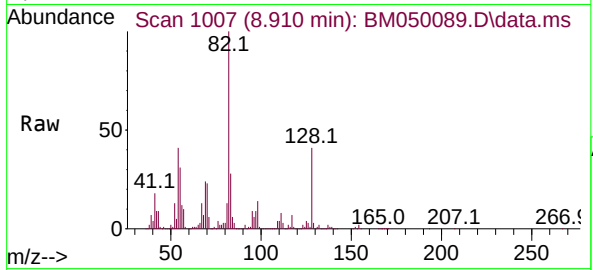
Tgt Ion:136 Resp: 1023590
Ion Ratio Lower Upper
136 100
137 14.4 8.9 13.3#
54 14.4 5.1 7.7#
68 15.6 4.4 6.6#





#23
Nitrobenzene-d5
Concen: 72.304 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.018 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

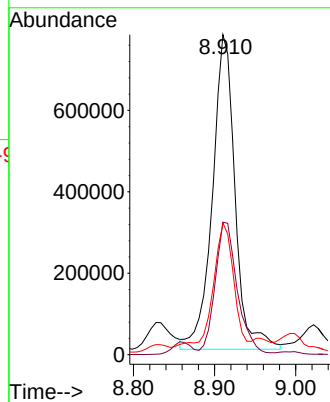
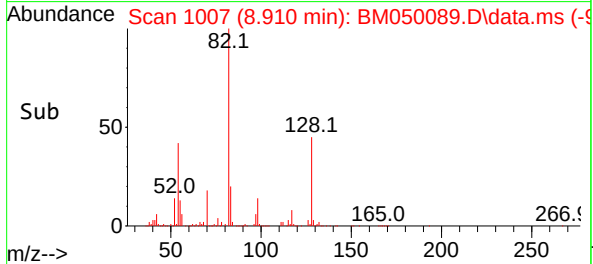
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion: 82 Resp: 150193
Ion Ratio Lower Upper
82 100
128 41.4 35.7 53.5
54 41.2 35.4 53.2

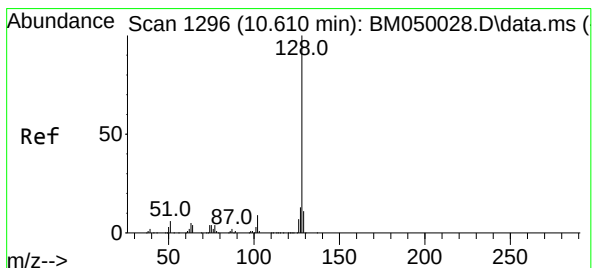
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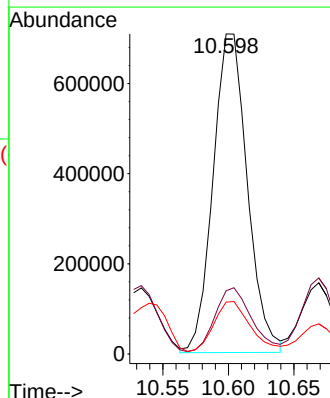
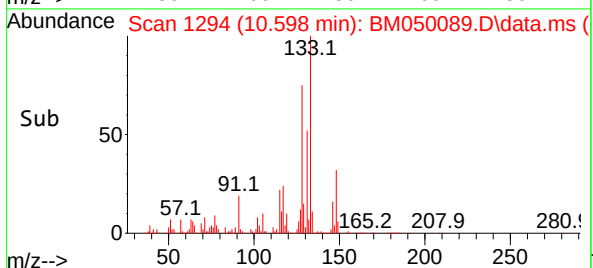
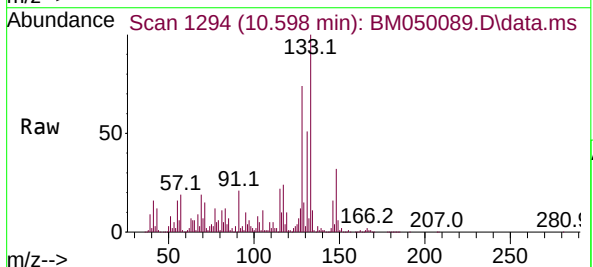
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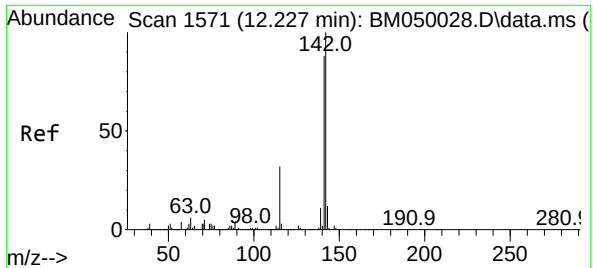
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#31
Naphthalene
Concen: 24.804 ng
RT: 10.598 min Scan# 1294
Delta R.T. -0.012 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

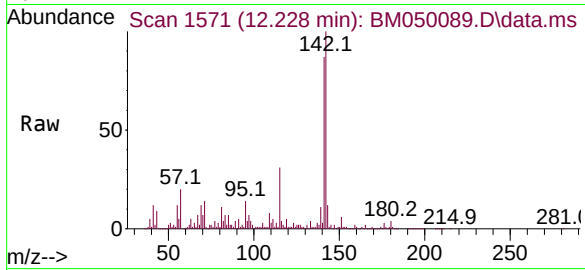
Tgt Ion:128 Resp: 1285753
Ion Ratio Lower Upper
128 100
129 19.8 8.8 13.2#
127 16.2 10.4 15.6#





#37
2-Methylnaphthalene
Concen: 78.140 ng
RT: 12.228 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

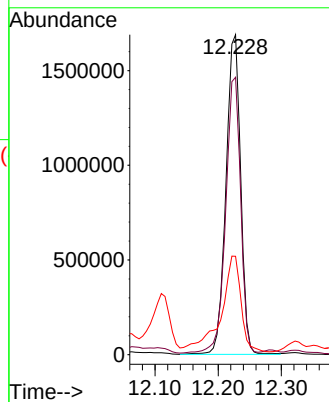
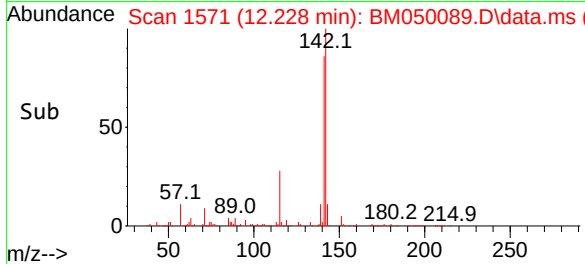
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion:142 Resp: 2715680
Ion Ratio Lower Upper
142 100
141 86.7 70.4 105.6
115 30.8 25.4 38.2

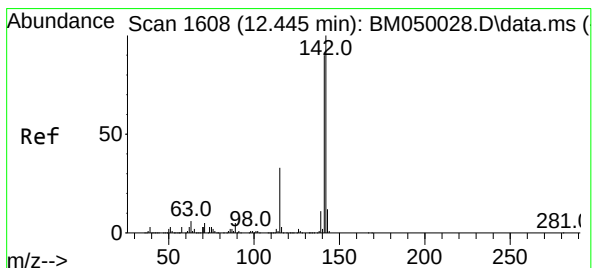
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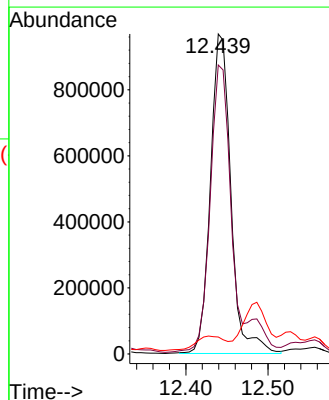
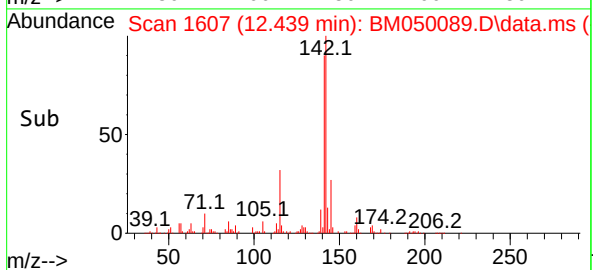
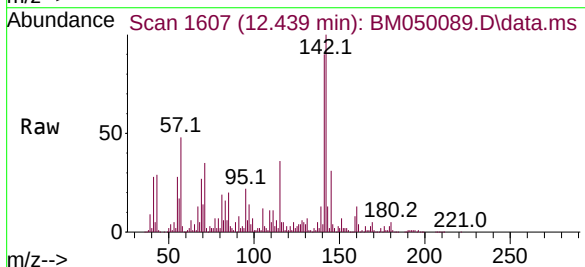
05/05/2025
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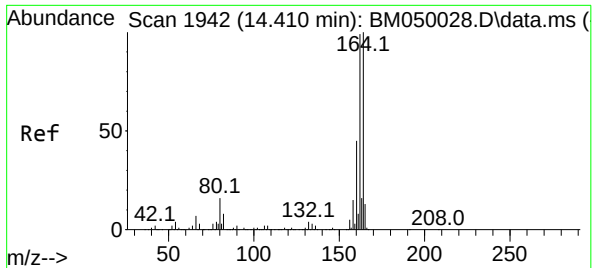
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#38
1-Methylnaphthalene
Concen: 45.476 ng m
RT: 12.439 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

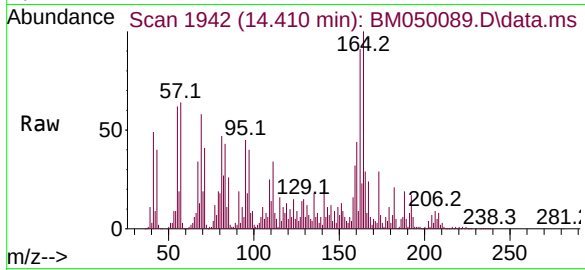
Tgt Ion:142 Resp: 1672580
Ion Ratio Lower Upper
142 100
141 90.3 72.1 108.1
116 5.3 2.7 4.1#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.410 min Scan# 1942
Delta R.T. -0.000 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

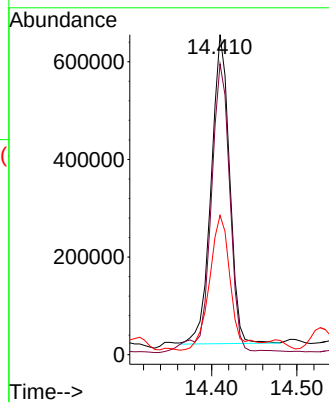
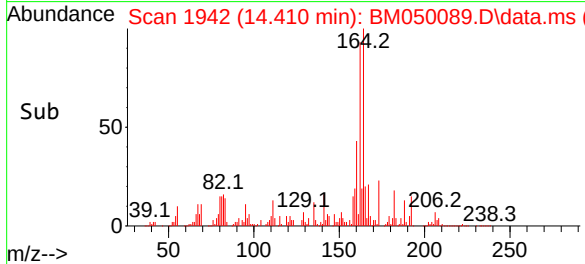
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion:164 Resp: 947352
Ion Ratio Lower Upper
164 100
162 90.9 79.4 119.0
160 43.5 36.2 54.4

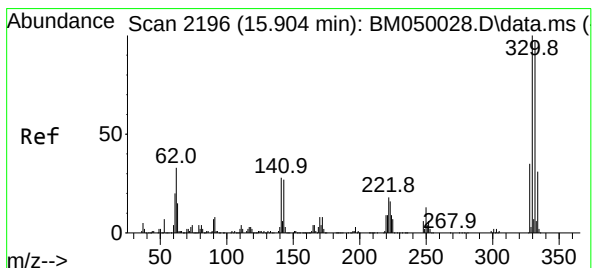
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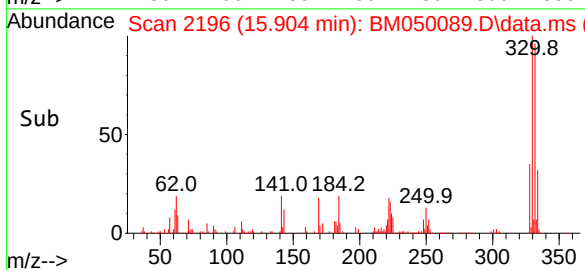
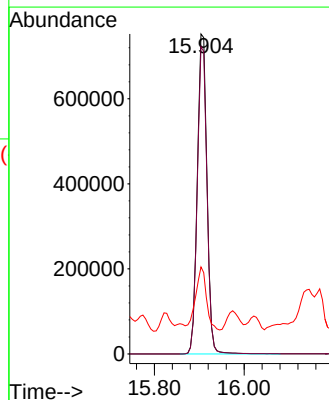
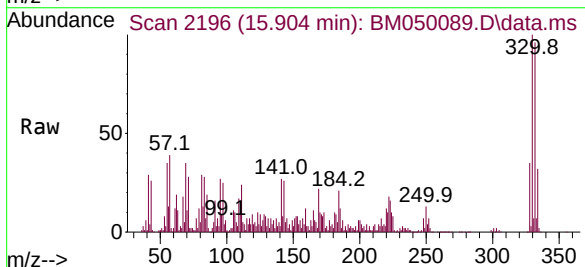
05/05/2025
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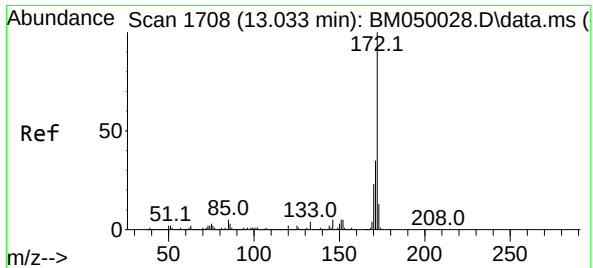
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#42
2,4,6-Tribromophenol
Concen: 80.337 ng
RT: 15.904 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

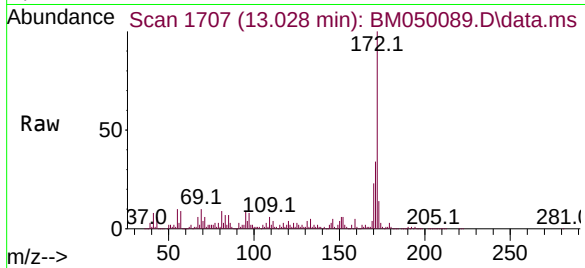
Tgt Ion:330 Resp: 1125353
Ion Ratio Lower Upper
330 100
332 96.3 77.3 115.9
141 22.0 22.5 33.7#





#45
2-Fluorobiphenyl
Concen: 40.228 ng
RT: 13.028 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

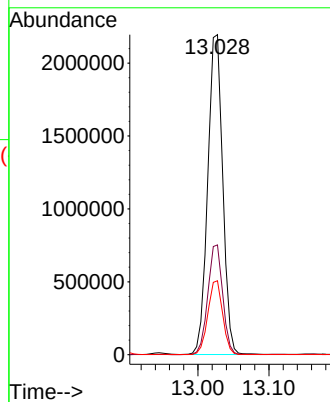
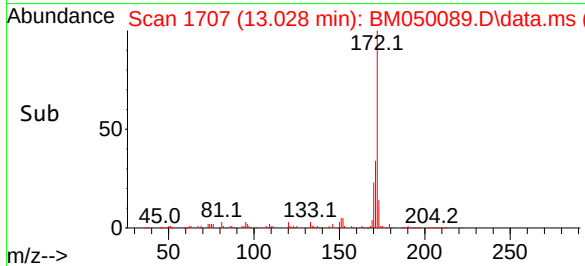
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion:172 Resp: 322153
Ion Ratio Lower Upper
172 100
171 34.3 27.8 41.6
170 23.1 18.6 28.0

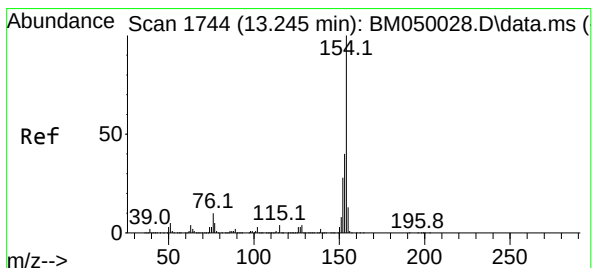
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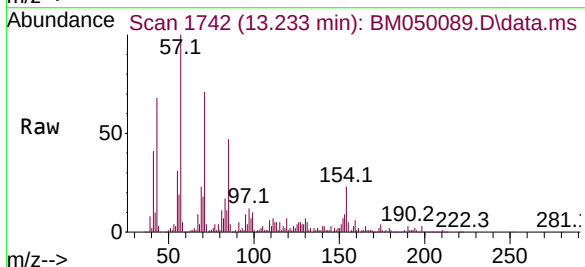


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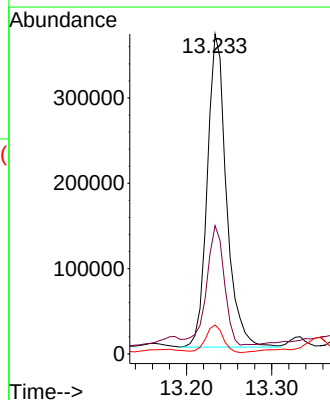
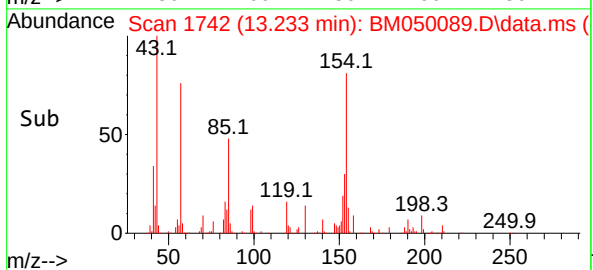
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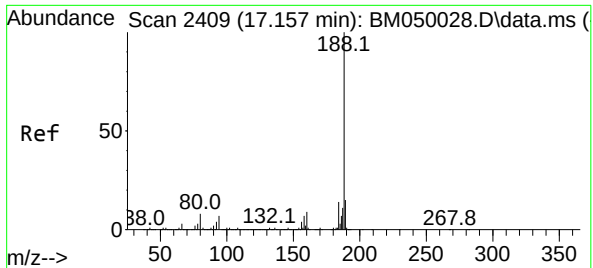


#46
1,1'-Biphenyl
Concen: 8.107 ng
RT: 13.233 min Scan# 1742
Delta R.T. -0.012 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17



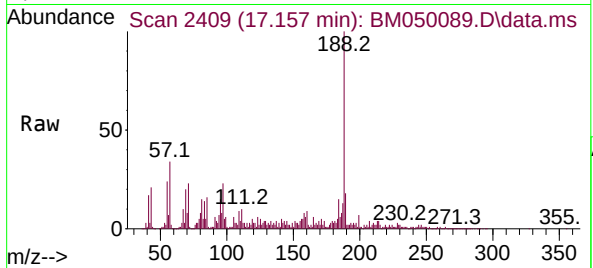
Tgt Ion:154 Resp: 570929
Ion Ratio Lower Upper
154 100
153 40.1 20.0 60.0
76 9.1 0.0 30.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

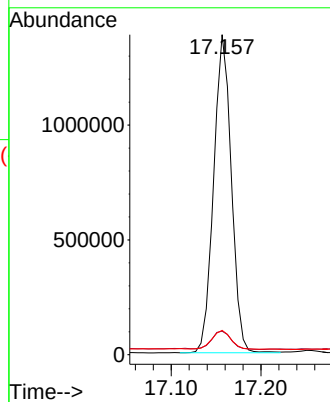
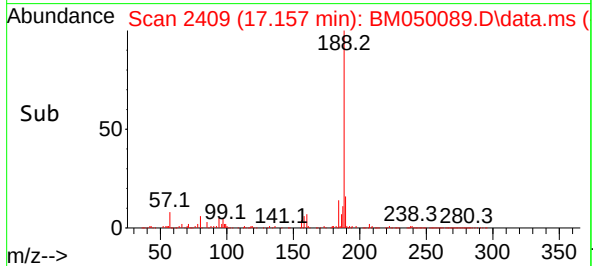
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion:188 Resp: 1897249
Ion Ratio Lower Upper
188 100
94 7.4 5.7 8.5
80 7.6 6.2 9.4

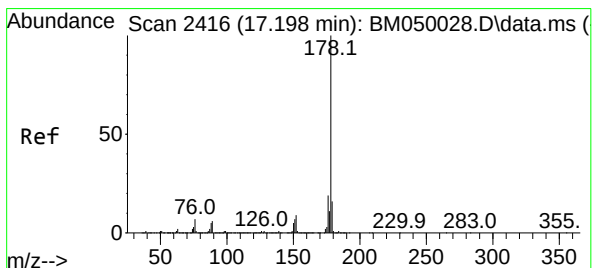
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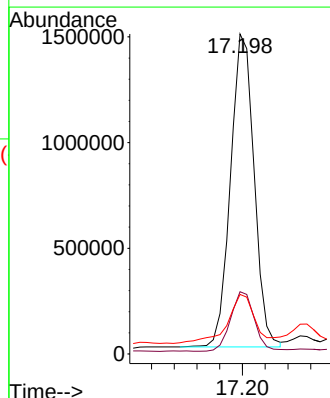
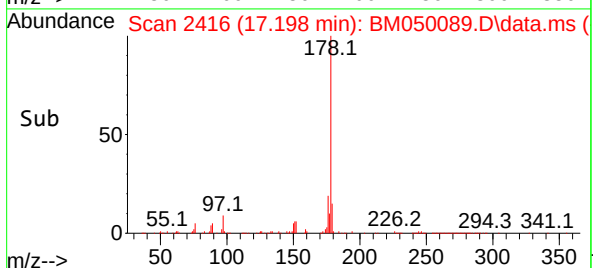
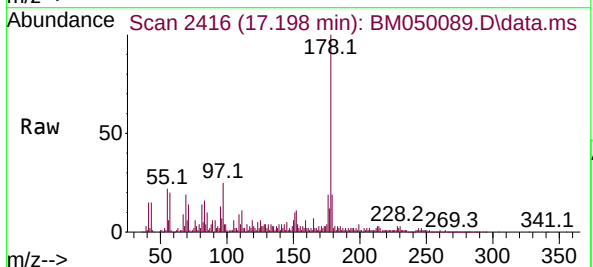
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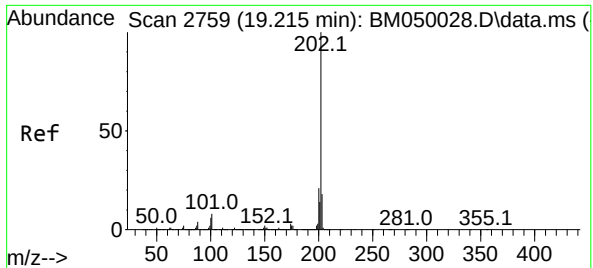
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#71
Phenanthrene
Concen: 19.882 ng
RT: 17.198 min Scan# 2416
Delta R.T. 0.000 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

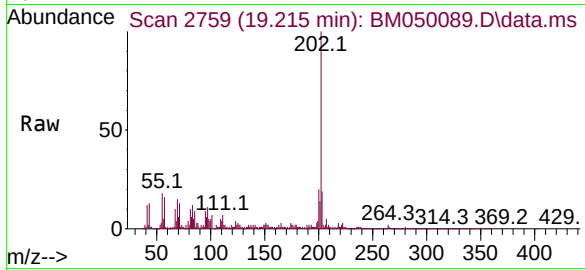
Tgt Ion:178 Resp: 2127512
Ion Ratio Lower Upper
178 100
176 19.5 15.3 22.9
179 18.6 12.4 18.6#





#75
Fluoranthene
Concen: 22.816 ng
RT: 19.215 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

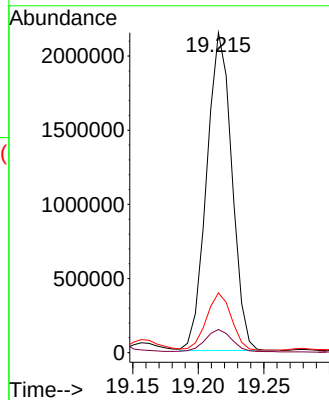
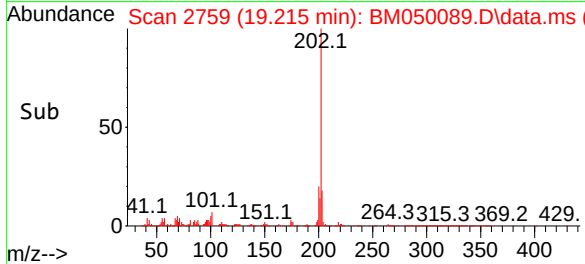
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion:202 Resp: 286645
Ion Ratio Lower Upper
202 100
101 7.2 0.0 28.0
203 18.7 0.0 37.7

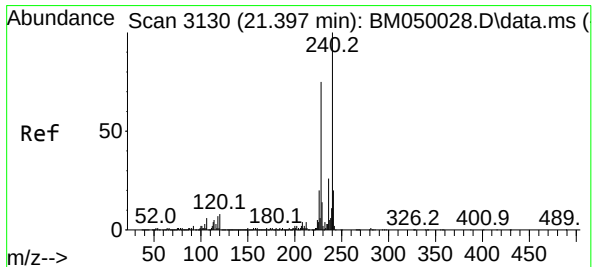
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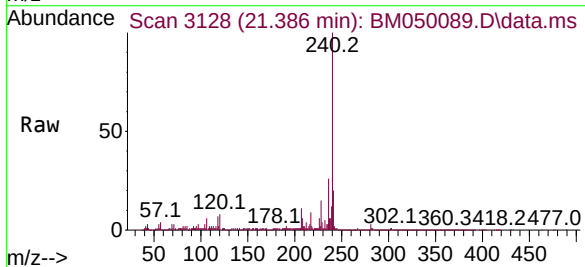


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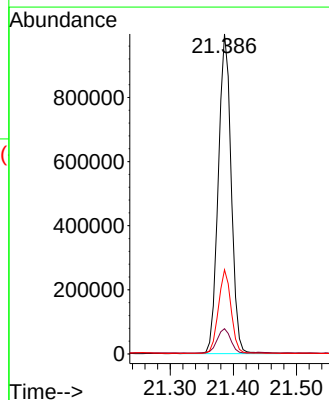
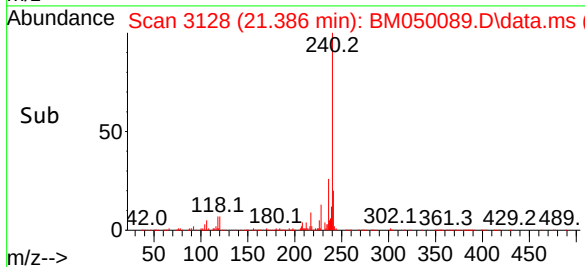
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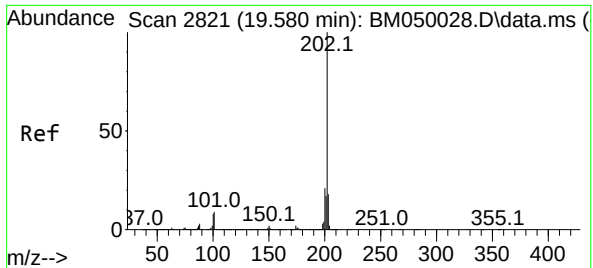


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.011 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17



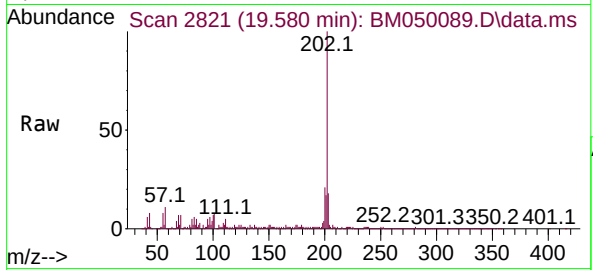
Tgt Ion:240 Resp: 1412128
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 26.3 20.9 31.3





#78
Pyrene
Concen: 27.776 ng
RT: 19.580 min Scan# 2821
Delta R.T. 0.000 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

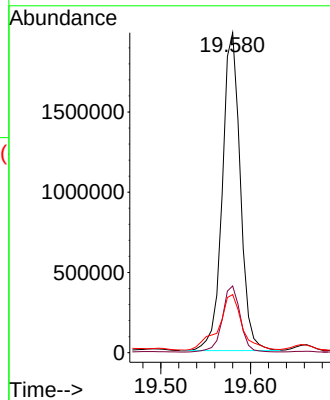
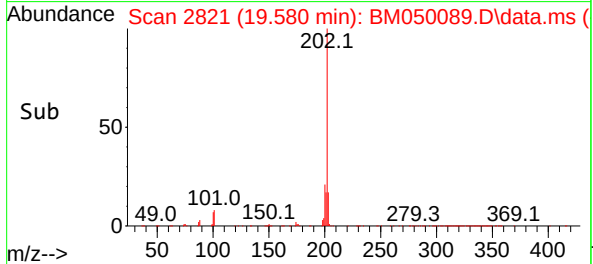
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion:202 Resp: 275441
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 18.2 14.1 21.1

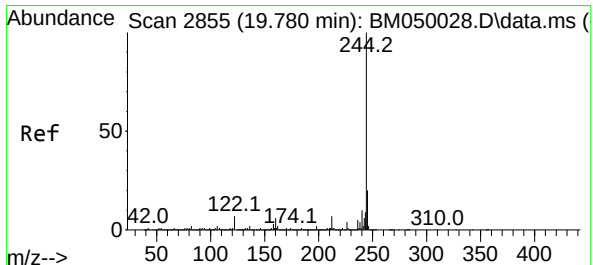
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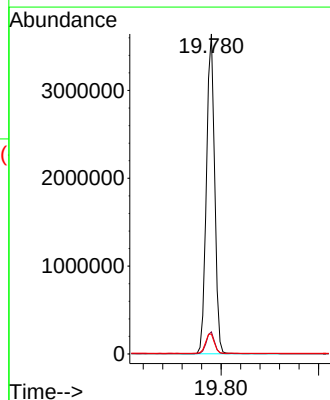
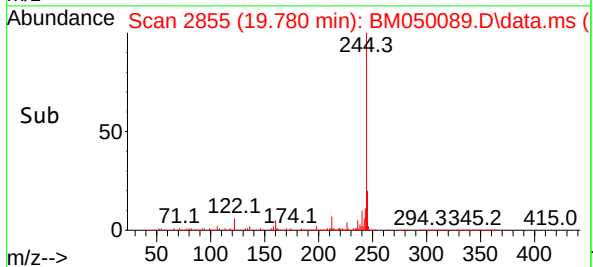
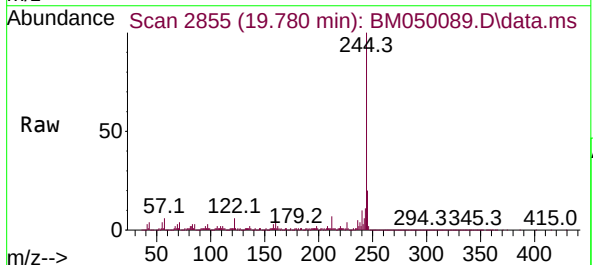
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Upadhyay

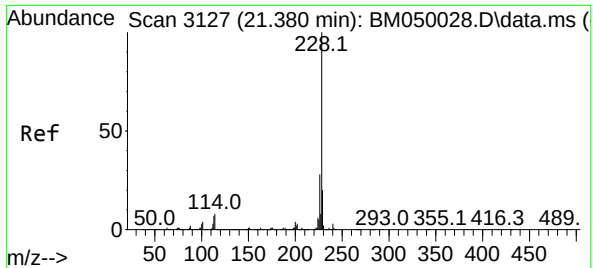
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#79
Terphenyl-d14
Concen: 44.488 ng
RT: 19.780 min Scan# 2855
Delta R.T. 0.000 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

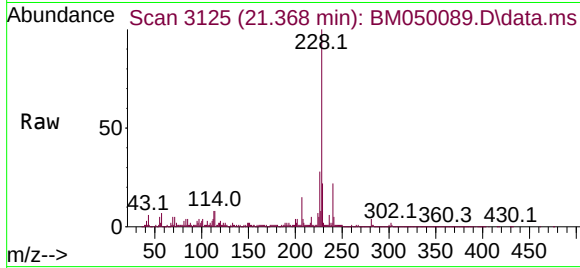
Tgt Ion:244 Resp: 4245502
Ion Ratio Lower Upper
244 100
212 6.9 5.6 8.4
122 6.2 5.6 8.4





#81
Benzo(a)anthracene
Concen: 10.221 ng
RT: 21.368 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

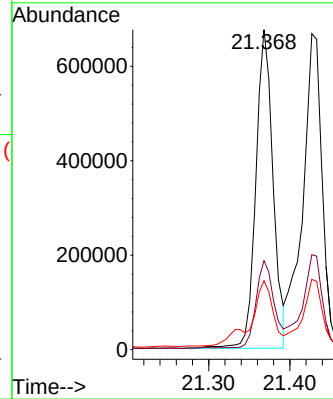
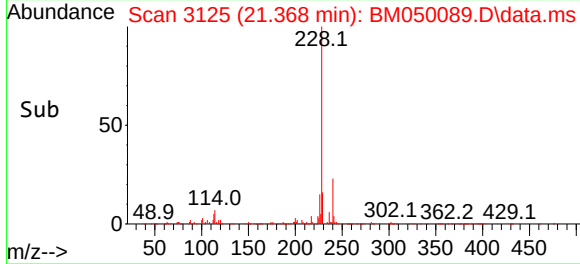
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion:228 Resp: 993968
Ion Ratio Lower Upper
228 100
226 27.8 22.1 33.1
229 21.6 15.7 23.5

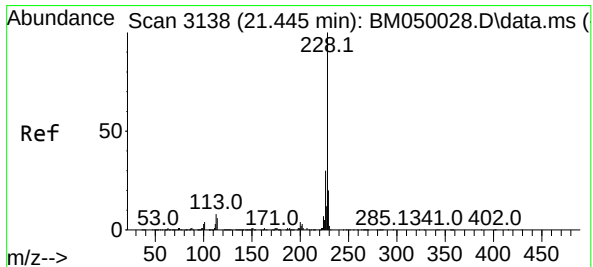
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Chavli



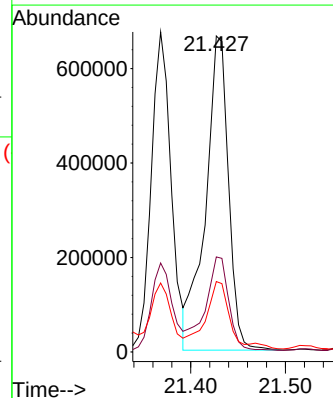
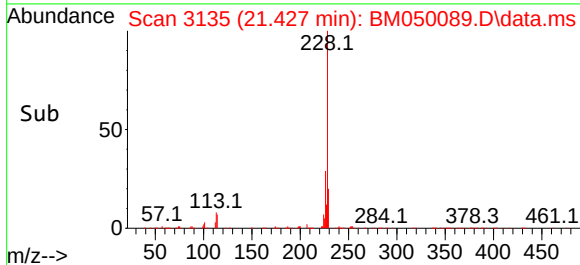
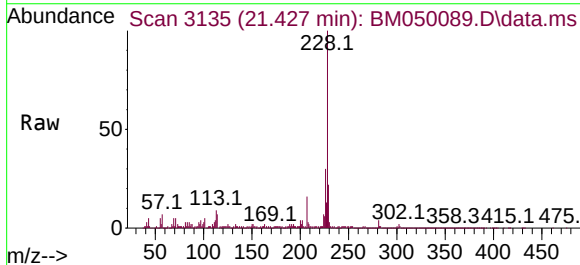
05/05/2025
Supervised By :Jagrut
Upadhyay

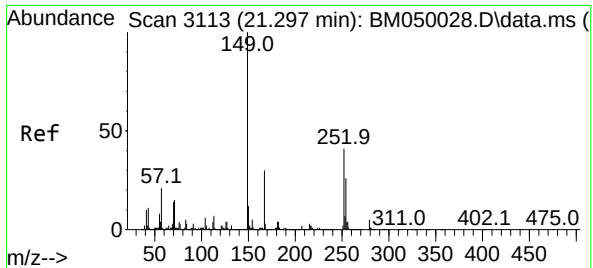
05/05/2025



#83
Chrysene
Concen: 12.448 ng
RT: 21.427 min Scan# 3135
Delta R.T. -0.018 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

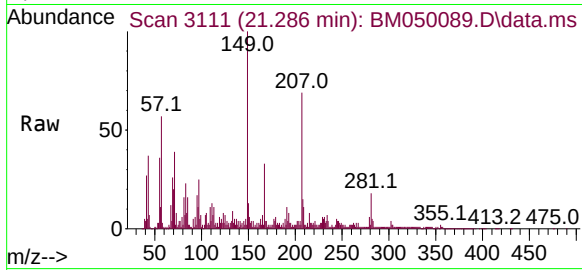
Tgt Ion:228 Resp: 1120290
Ion Ratio Lower Upper
228 100
226 30.1 24.2 36.2
229 22.3 15.7 23.5





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.257 ng
RT: 21.286 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

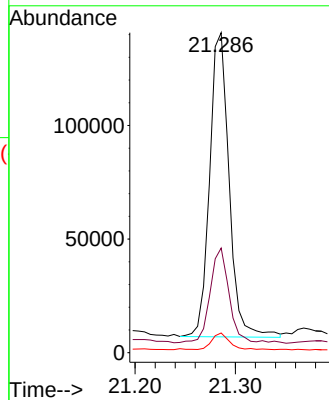
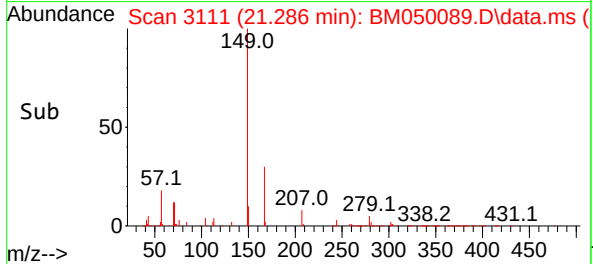
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion:149 Resp: 18071
Ion Ratio Lower Upper
149 100
167 32.7 24.1 36.1
279 6.1 3.9 5.9

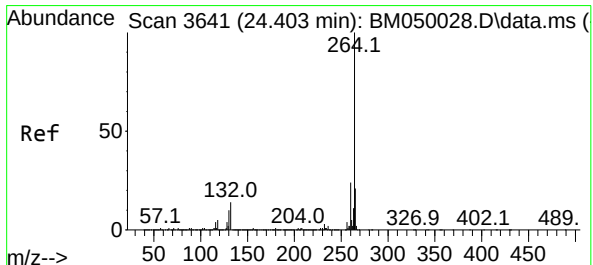
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli



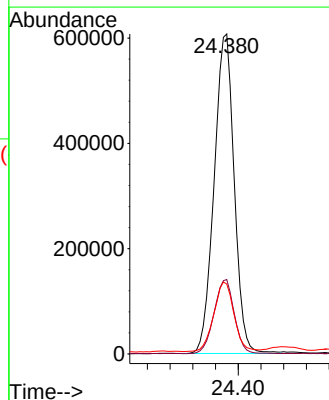
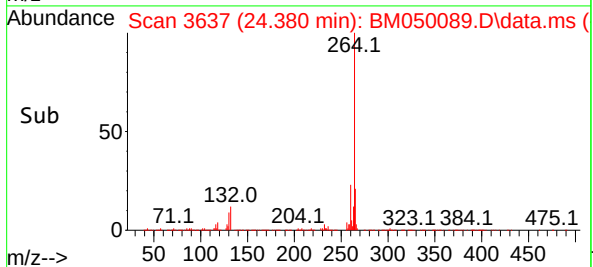
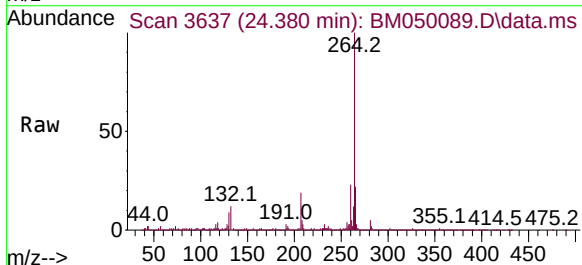
05/05/2025
Supervised By :Jagrut
Upadhyay

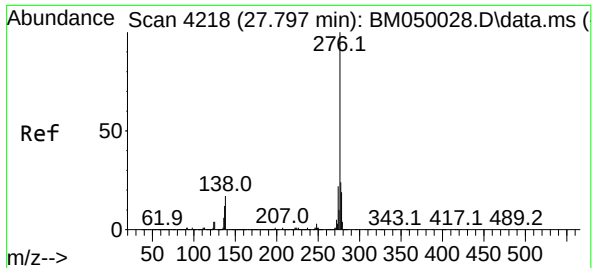
05/05/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.380 min Scan# 3637
Delta R.T. -0.023 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

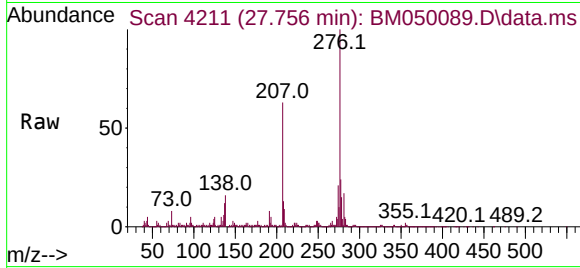
Tgt Ion:264 Resp: 1490251
Ion Ratio Lower Upper
264 100
260 23.3 18.8 28.2
265 21.8 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.344 ng
RT: 27.756 min Scan# 41
Delta R.T. -0.041 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

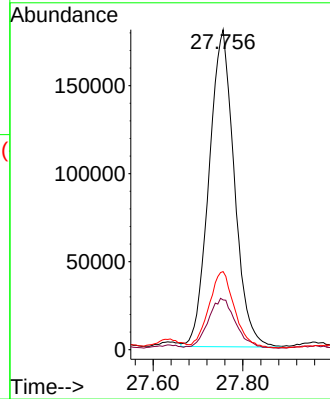
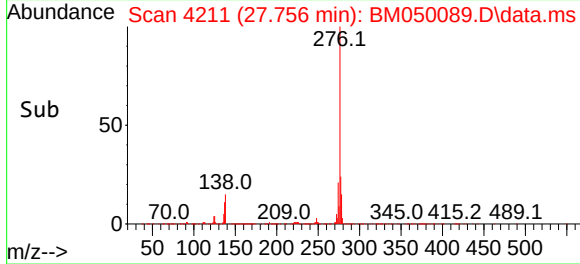
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion:276 Resp: 704410
Ion Ratio Lower Upper
276 100
138 17.1 16.4 24.6
277 24.3 19.8 29.8

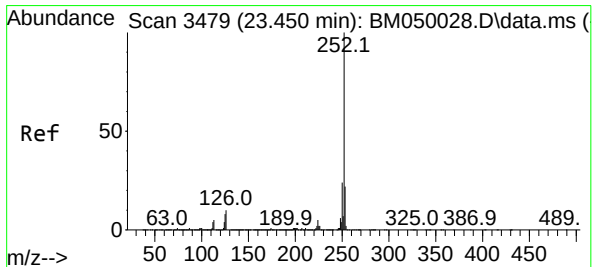
Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli



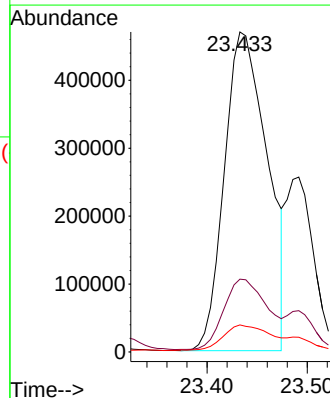
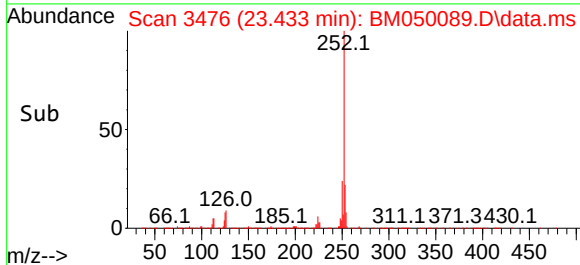
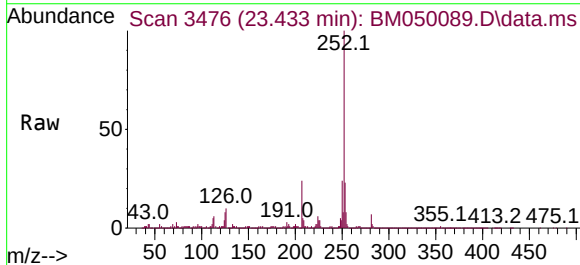
05/05/2025
Supervised By :Jagrut
Upadhyay

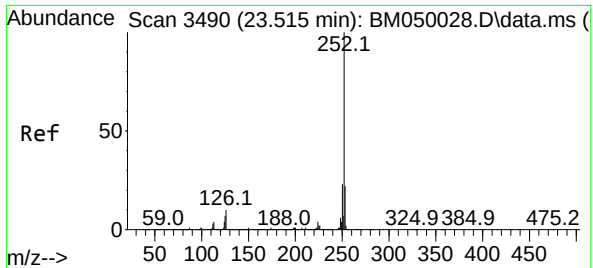
05/05/2025



#88
Benzo(b)fluoranthene
Concen: 14.442 ng
RT: 23.433 min Scan# 3476
Delta R.T. -0.018 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

Tgt Ion:252 Resp: 1399614
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 8.5 6.1 9.1





#89

Benzo(k)fluoranthene

Concen: 4.997 ng m

RT: 23.492 min Scan# 34

Delta R.T. -0.023 min

Lab File: BM050089.D

Acq: 02 May 2025 17:17

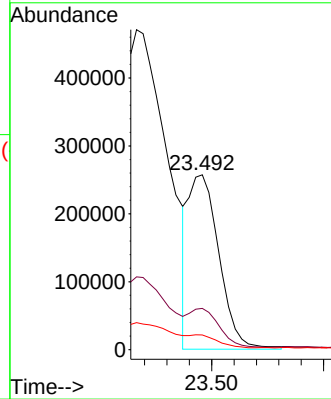
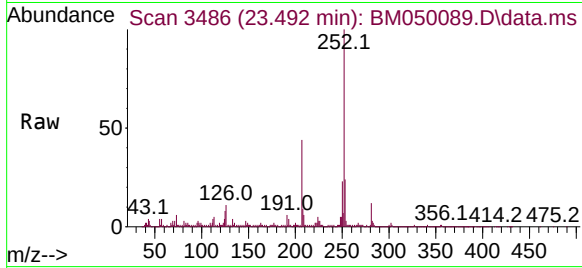
Instrument :

BNA_M

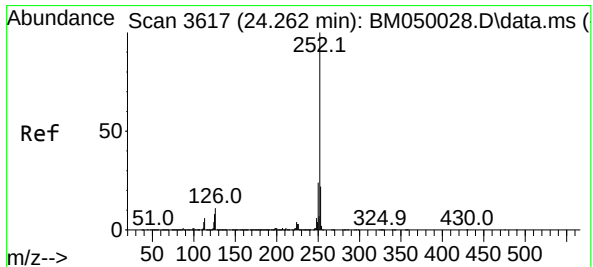
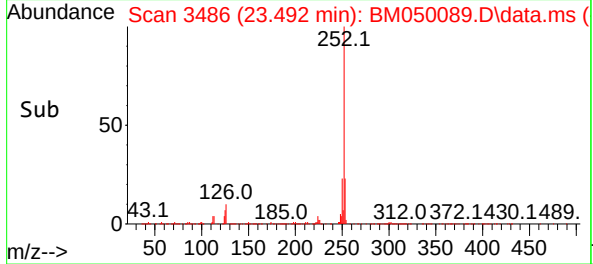
ClientSampleId :

SS-7

Tgt Ion:252	Resp: 489824
Ion Ratio	Lower Upper
252 100	
253 23.6	17.4 26.2
125 8.4	5.8 8.8

Manual Integrations
APPROVEDReviewed By :Rahul
Chavli05/05/2025
Supervised By :Jagrut
Upadhyay

05/05/2025



#90

Benzo(a)pyrene

Concen: 10.558 ng

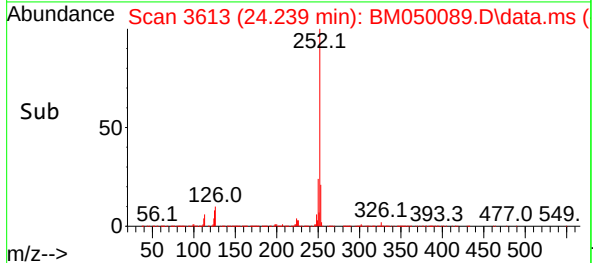
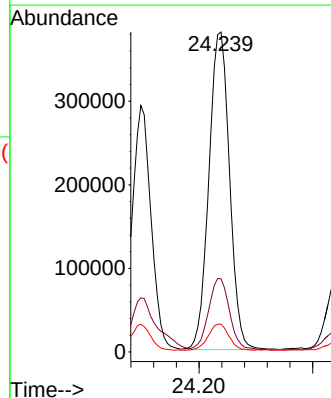
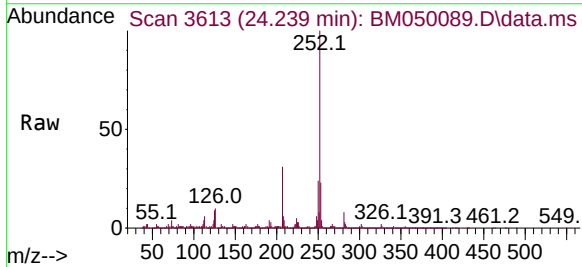
RT: 24.239 min Scan# 3613

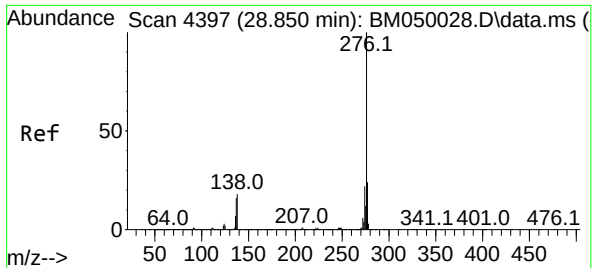
Delta R.T. -0.023 min

Lab File: BM050089.D

Acq: 02 May 2025 17:17

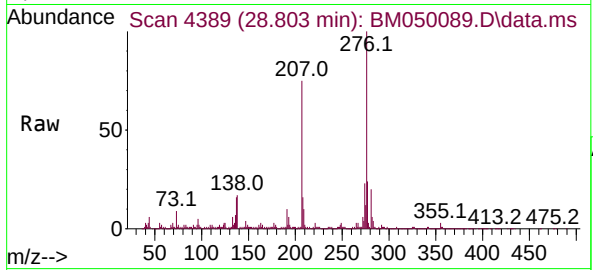
Tgt Ion:252	Resp: 958358
Ion Ratio	Lower Upper
252 100	
253 22.8	17.4 26.0
125 8.7	6.6 9.8





#92
Benzo(g,h,i)perylene
Concen: 7.876 ng
RT: 28.803 min Scan# 41
Delta R.T. -0.047 min
Lab File: BM050089.D
Acq: 02 May 2025 17:17

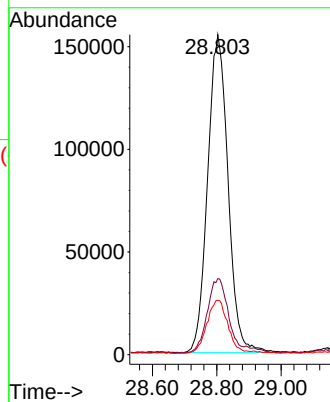
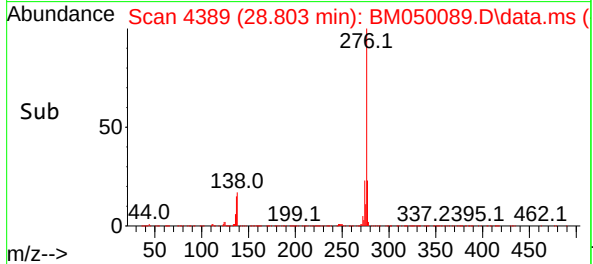
Instrument :
BNA_M
ClientSampleId :
SS-7



Tgt Ion: 276 Resp: 68250
Ion Ratio Lower Upper
276 100
277 23.8 19.1 28.7
138 17.0 14.3 21.5

Manual Integrations
APPROVED

Reviewed By :Rahul
Chavli



05/05/2025
Supervised By :Jagrut
Upadhyay

05/05/2025

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-8	SDG No.:	Q1914
Lab Sample ID:	Q1914-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BM050082.D	1	04/30/25 11:00	05/02/25 12:41	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	2000		24.5	180	ug/Kg
208-96-8	Acenaphthylene	180	U	31.2	180	ug/Kg
83-32-9	Acenaphthene	190		23.0	180	ug/Kg
86-73-7	Fluorene	180	U	27.3	180	ug/Kg
85-01-8	Phenanthrene	1400		22.6	180	ug/Kg
120-12-7	Anthracene	220		35.9	180	ug/Kg
206-44-0	Fluoranthene	2000		32.4	180	ug/Kg
129-00-0	Pyrene	1800		38.9	180	ug/Kg
56-55-3	Benzo(a)anthracene	930		24.8	180	ug/Kg
218-01-9	Chrysene	860		21.5	180	ug/Kg
207-08-9	Benzo(k)fluoranthene	330		24.2	180	ug/Kg
50-32-8	Benzo(a)pyrene	770		31.8	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	420		31.4	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	J	29.6	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	490		27.7	180	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	138	*	18 - 107	138%	SPK: 100
321-60-8	2-Fluorobiphenyl	54.6		20 - 109	55%	SPK: 100
1718-51-0	Terphenyl-d14	55.5		10 - 105	55%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	344000		7.751		
1146-65-2	Naphthalene-d8	631000		10.557		
15067-26-2	Acenaphthene-d10	706000		14.416		
1517-22-2	Phenanthrene-d10	1170000		17.157		
1719-03-5	Chrysene-d12	1220000		21.386		
1520-96-3	Perylene-d12	1380000		24.374		

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-8	SDG No.:	Q1914
Lab Sample ID:	Q1914-09	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92.4
Sample Wt/Vol:	30.08	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Final Vol:	1000
		Test:	SVOCMS Group3
		Level :	LOW
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM050082.D	1	04/30/25 11:00	05/02/25 12:41	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
 Data File : BM050082.D
 Acq On : 02 May 2025 12:41
 Operator : RC/JU
 Sample : Q1914-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-8

Manual Integrations
APPROVED

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

Quant Time: May 02 13:41:22 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 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	344484	20.000	ng	-0.02
21) Naphthalene-d8	10.557	136	630857	20.000	ng	# 0.00
39) Acenaphthene-d10	14.416	164	706415	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1174129	20.000	ng	# 0.00
76) Chrysene-d12	21.386	240	1218527	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1375318	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	2322463	118.055	ng	-0.01
7) Phenol-d6	6.940	99	2505773	101.341	ng	-0.01
23) Nitrobenzene-d5	8.916	82	1771743	138.391	ng	-0.01
42) 2,4,6-Tribromophenol	15.910	330	1032011	98.802	ng	0.00
45) 2-Fluorobiphenyl	13.027	172	3262574	54.636	ng	0.00
79) Terphenyl-d14	19.780	244	4567238	55.463	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.604	128	1770044	55.403	ng	# 86
37) 2-Methylnaphthalene	12.233	142	3451439	161.134	ng	99
38) 1-Methylnaphthalene	12.445	142	2160593m	95.315	ng	
46) 1,1'-Biphenyl	13.239	154	711656	13.552	ng	98
52) Acenaphthene	14.480	154	202098	5.325	ng	# 82
71) Phenanthrene	17.204	178	2636316	39.810	ng	97
72) Anthracene	17.292	178	411989m	6.148	ng	
74) Di-n-butylphthalate	18.115	149	459124	6.630	ng	# 88
75) Fluoranthene	19.221	202	4425756	56.924	ng	98
78) Pyrene	19.580	202	4298119	50.230	ng	99
81) Benzo(a)anthracene	21.368	228	2173300	25.900	ng	98
83) Chrysene	21.433	228	1857590	23.919	ng	98
84) Bis(2-ethylhexyl)phtha...	21.286	149	1283549	26.813	ng	98
87) Indeno(1,2,3-cd)pyrene	27.750	276	1189908	11.611	ng	96
88) Benzo(b)fluoranthene	23.433	252	2437742	27.255	ng	99
89) Benzo(k)fluoranthene	23.491	252	830931m	9.184	ng	
90) Benzo(a)pyrene	24.233	252	1789914	21.367	ng	98
91) Dibenzo(a,h)anthracene	27.785	278	316870	3.793	ng	95
92) Benzo(g,h,i)perylene	28.803	276	1082442	13.535	ng	99

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

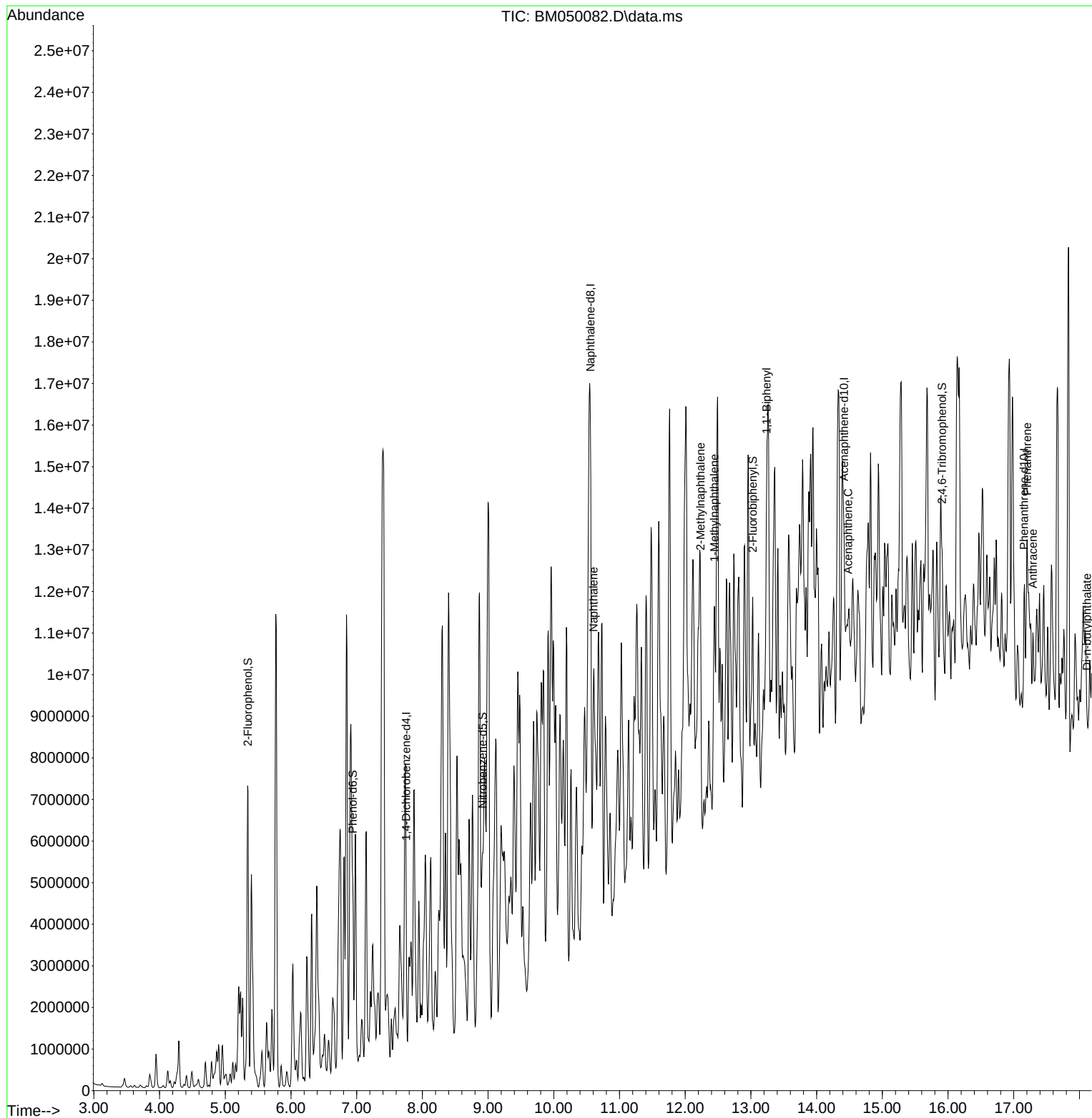
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Data File : BM050082.D
Acq On : 02 May 2025 12:41
Operator : RC/JU
Sample : Q1914-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-8

Quant Time: May 02 13:41:22 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 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



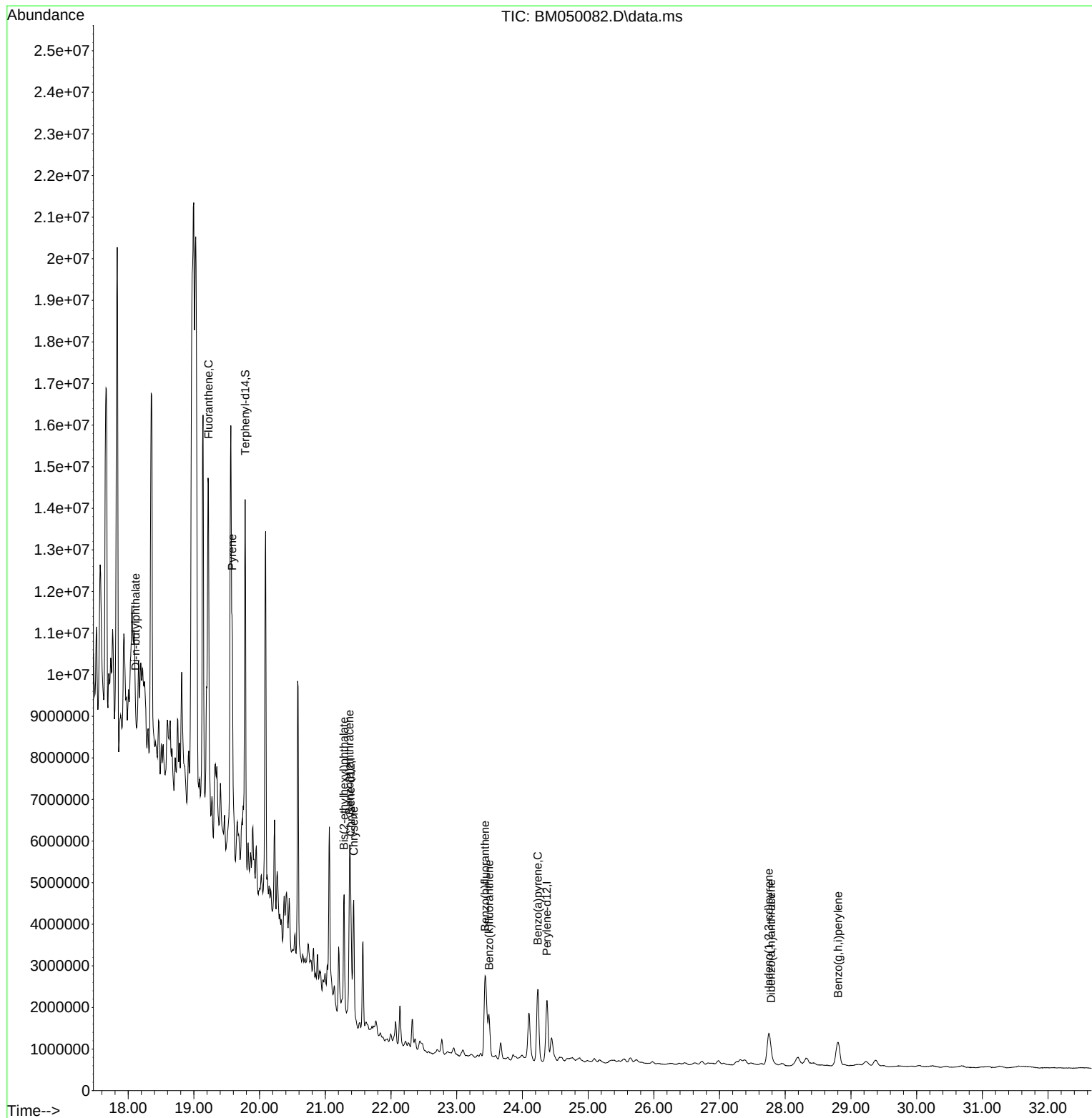
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Acq On : 02 May 2025 12:41
Operator : RC/JU
Sample : Q1914-09
Misc :
ALS Vial : 5 Sample Multiplier: 1

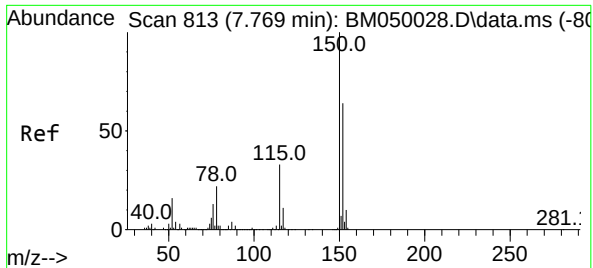
Instrument :
BNA_M
ClientSampleId :
SS-8

Quant Time: May 02 13:41:22 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 18:09:16 2025
Response via : Initial Calibration

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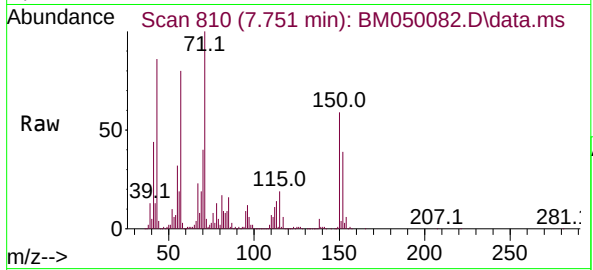
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.751 min Scan# 813
Delta R.T. -0.018 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

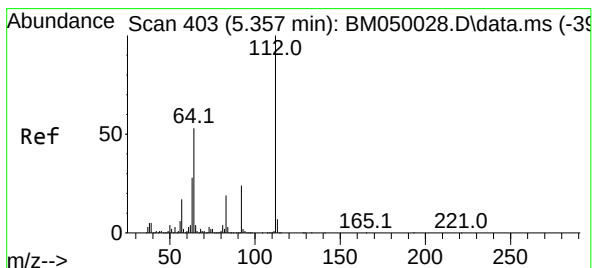
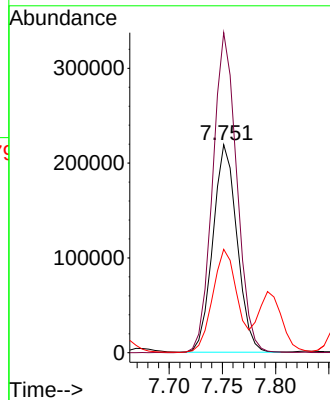
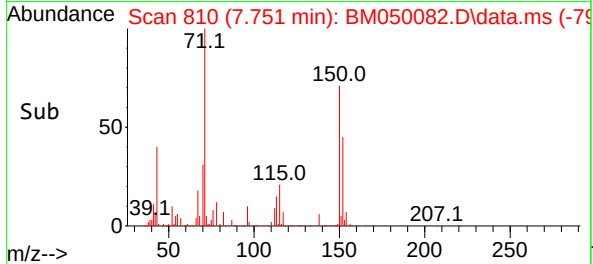
Instrument :
BNA_M
ClientSampleId :
SS-8



Tgt Ion:152 Resp: 344484
Ion Ratio Lower Upper
152 100
150 153.9 124.1 186.1
115 49.7 41.2 61.8

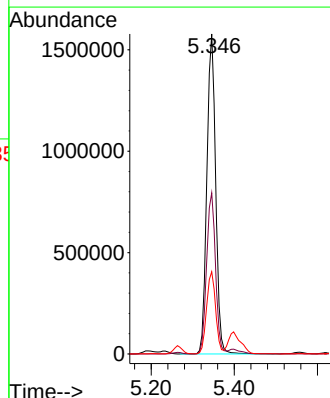
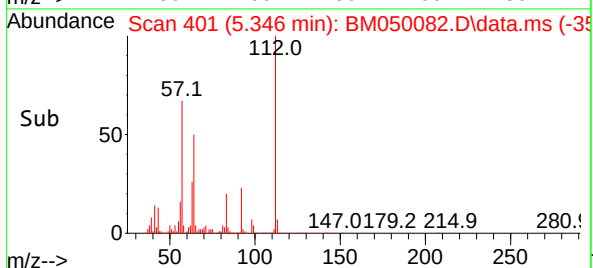
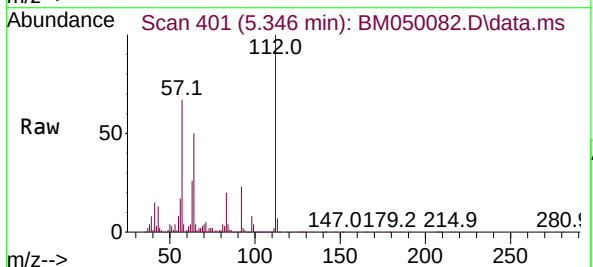
Manual Integrations
APPROVED

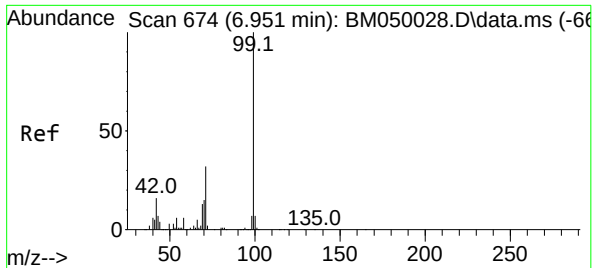
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#5
2-Fluorophenol
Concen: 118.055 ng
RT: 5.346 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

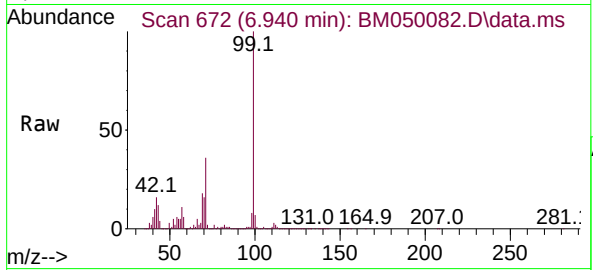
Tgt Ion:112 Resp: 2322463
Ion Ratio Lower Upper
112 100
64 50.4 42.6 64.0
63 25.7 22.2 33.4





#7
Phenol-d6
Concen: 101.341 ng
RT: 6.940 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

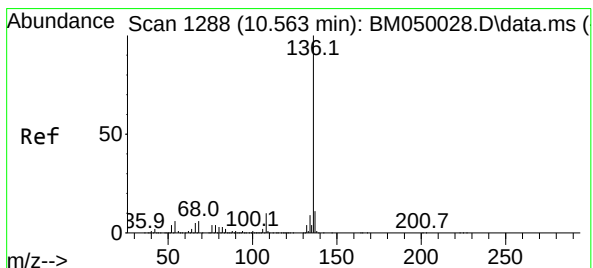
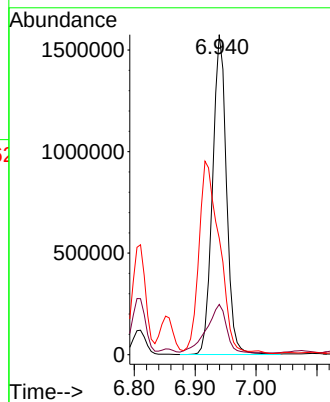
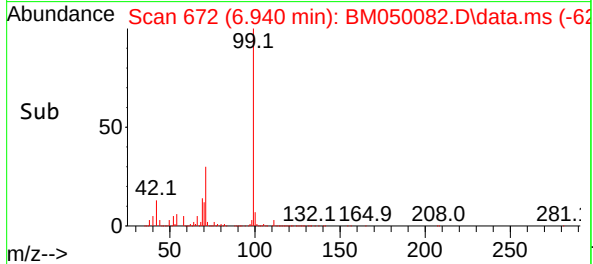
Instrument :
BNA_M
ClientSampleId :
SS-8



Tgt Ion: 99 Resp: 250577
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.4
71 36.4 25.6 38.4

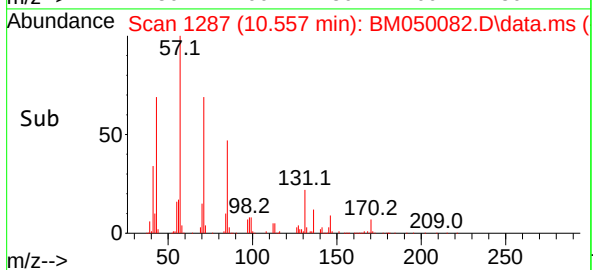
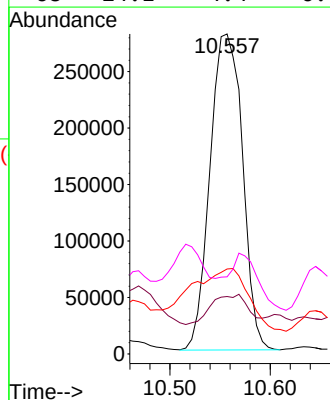
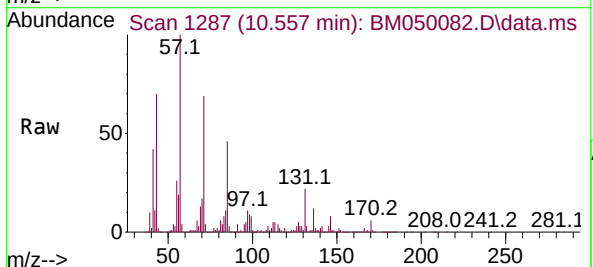
Manual Integrations
APPROVED

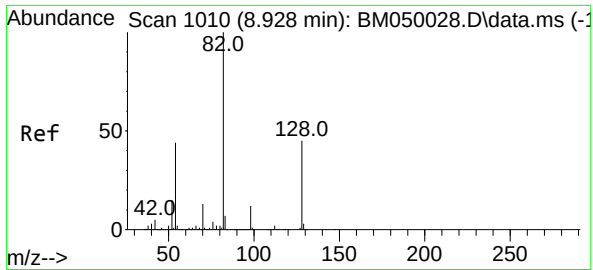
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.557 min Scan# 1287
Delta R.T. -0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

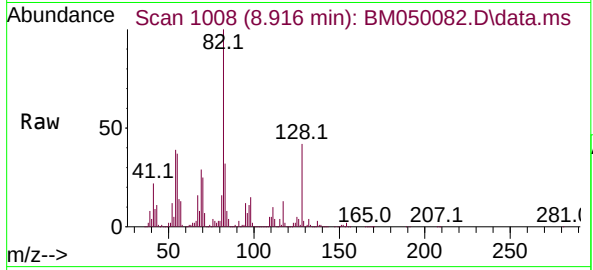
Tgt Ion:136 Resp: 630857
Ion Ratio Lower Upper
136 100
137 18.0 8.9 13.3#
54 26.6 5.1 7.7#
68 24.1 4.4 6.6#





#23
Nitrobenzene-d5
Concen: 138.391 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.012 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

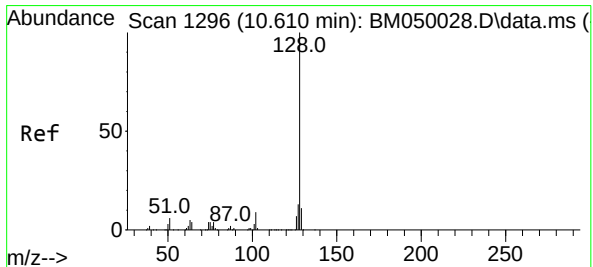
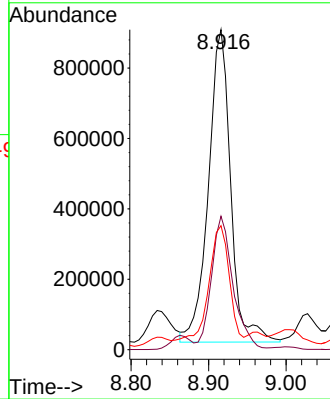
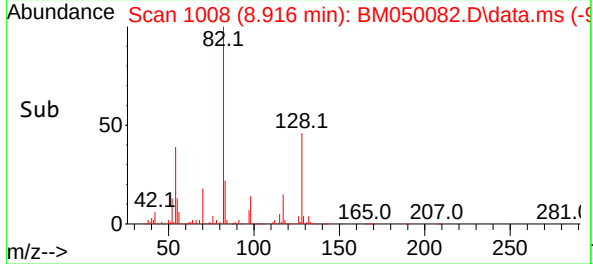
Instrument :
BNA_M
ClientSampleId :
SS-8



Tgt Ion: 82 Resp: 177174
Ion Ratio Lower Upper
82 100
128 41.7 35.7 53.5
54 38.7 35.4 53.2

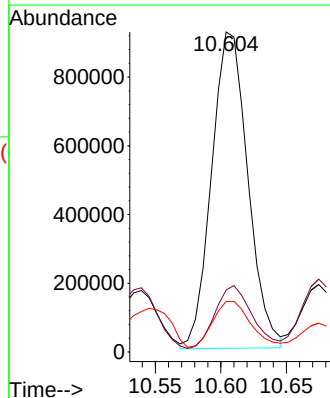
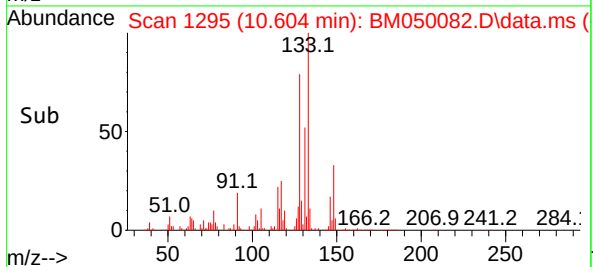
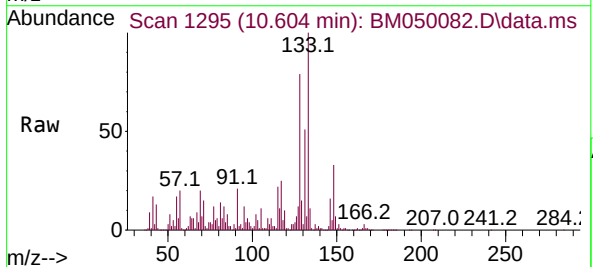
Manual Integrations
APPROVED

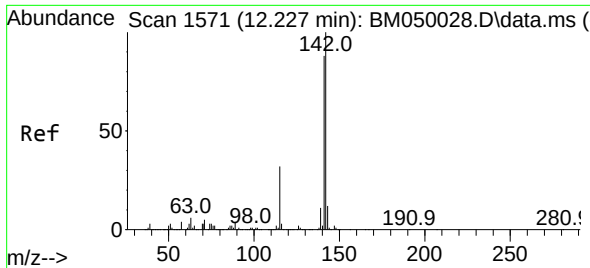
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#31
Naphthalene
Concen: 55.403 ng
RT: 10.604 min Scan# 1295
Delta R.T. -0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

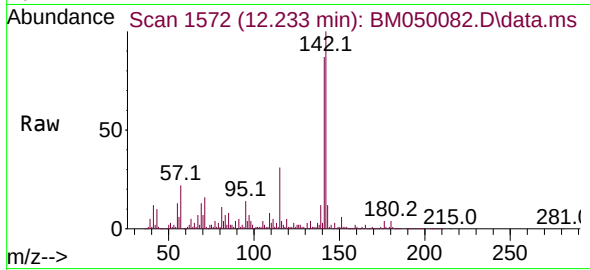
Tgt Ion:128 Resp: 1770044
Ion Ratio Lower Upper
128 100
129 19.3 8.8 13.2#
127 15.8 10.4 15.6#





#37
2-Methylnaphthalene
Concen: 161.134 ng
RT: 12.233 min Scan# 1571
Delta R.T. 0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

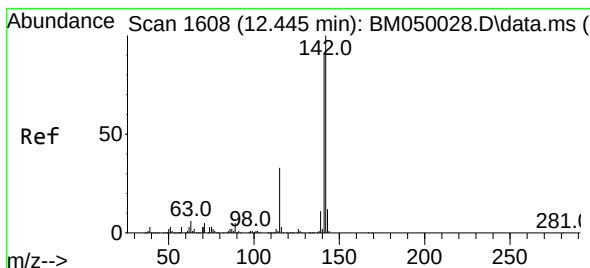
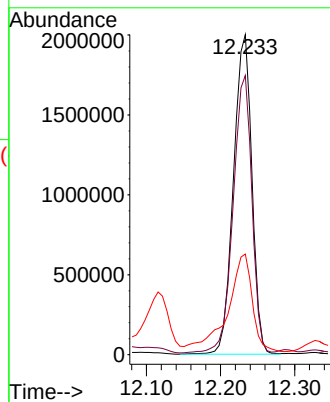
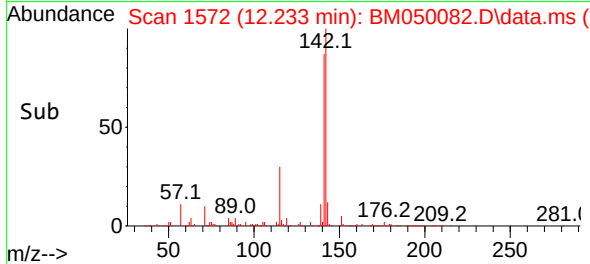
Instrument :
BNA_M
ClientSampleId :
SS-8



Tgt Ion:142 Resp: 3451439
Ion Ratio Lower Upper
142 100
141 87.3 70.4 105.6
115 31.4 25.4 38.2

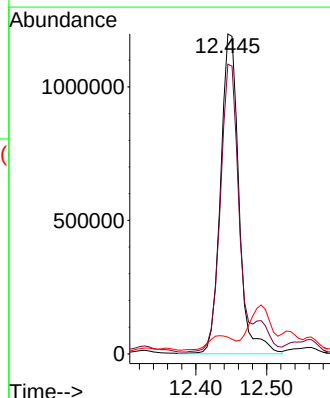
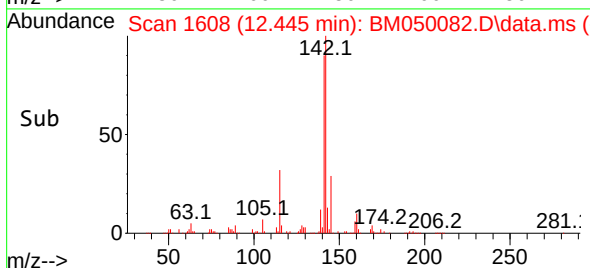
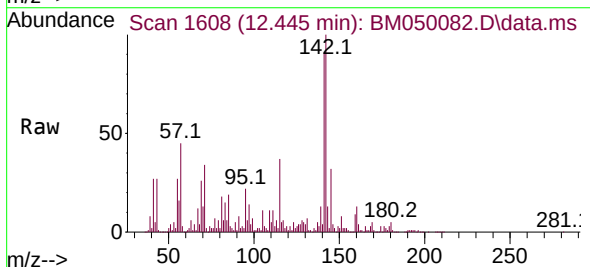
Manual Integrations
APPROVED

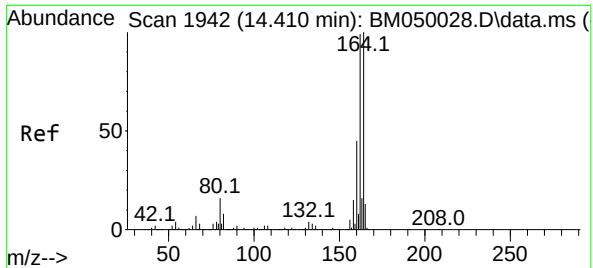
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#38
1-Methylnaphthalene
Concen: 95.315 ng m
RT: 12.445 min Scan# 1608
Delta R.T. -0.000 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

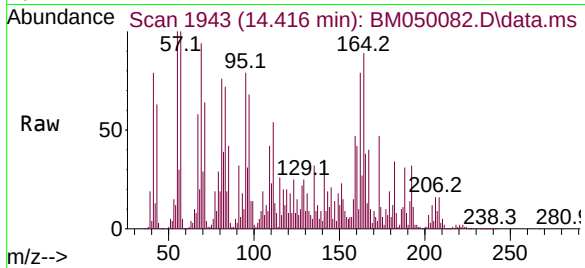
Tgt Ion:142 Resp: 2160593
Ion Ratio Lower Upper
142 100
141 90.6 72.1 108.1
116 5.3 2.7 4.1#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. 0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

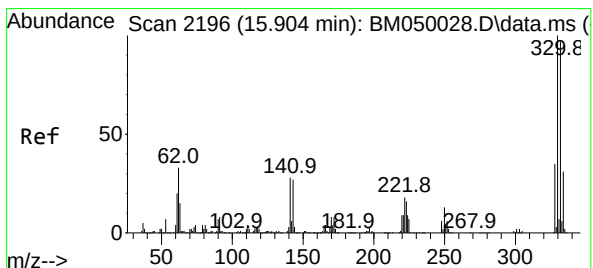
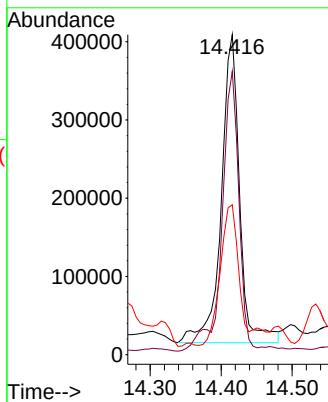
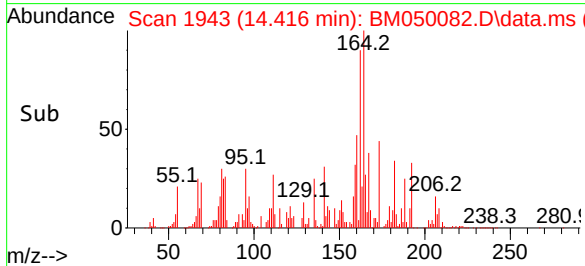
Instrument :
BNA_M
ClientSampleId :
SS-8



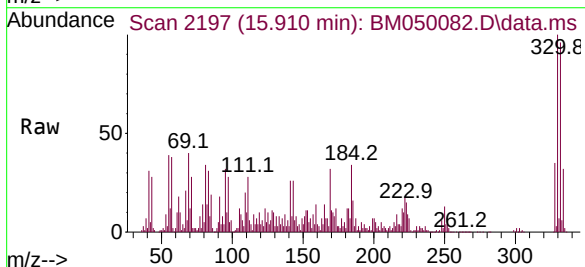
Tgt Ion:164 Resp: 706415
Ion Ratio Lower Upper
164 100
162 88.6 79.4 119.0
160 46.9 36.2 54.4

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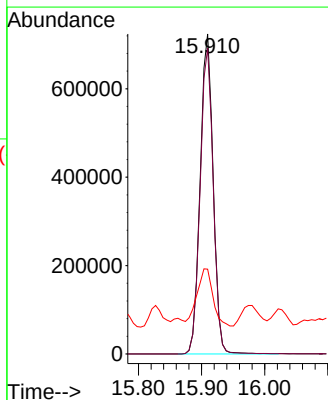
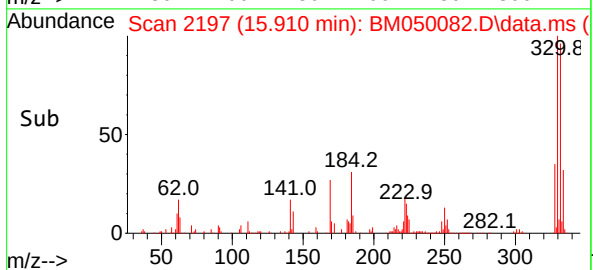
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025

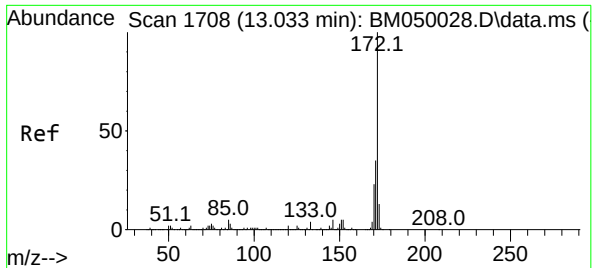


#42
2,4,6-Tribromophenol
Concen: 98.802 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41



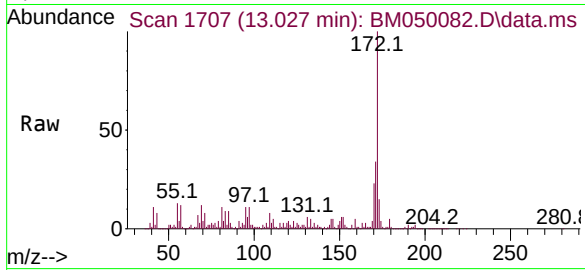
Tgt Ion:330 Resp: 1032011
Ion Ratio Lower Upper
330 100
332 96.5 77.3 115.9
141 21.9 22.5 33.7#





#45
2-Fluorobiphenyl
Concen: 54.636 ng
RT: 13.027 min Scan# 1708
Delta R.T. -0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

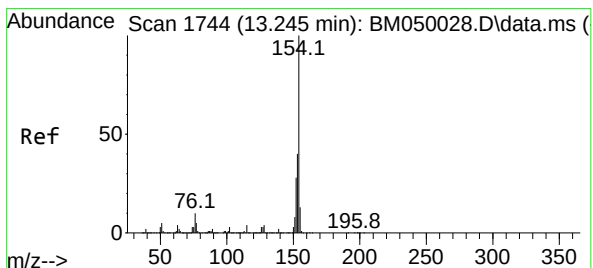
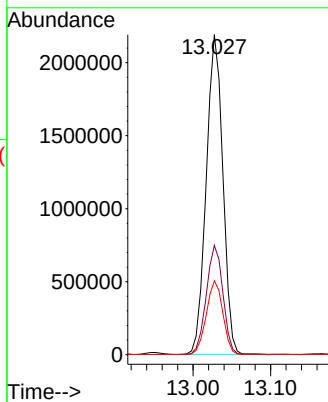
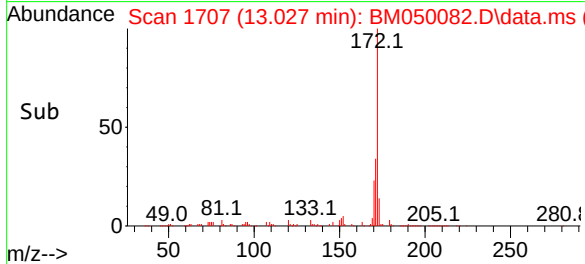
Instrument :
BNA_M
ClientSampleId :
SS-8



Tgt Ion:172 Resp: 3262574
Ion Ratio Lower Upper
172 100
171 34.1 27.8 41.6
170 23.1 18.6 28.0

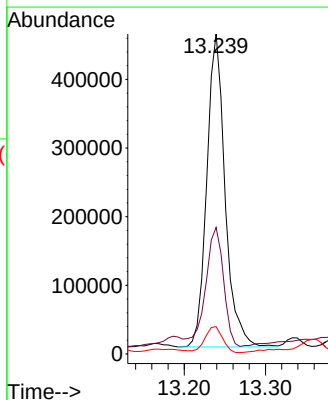
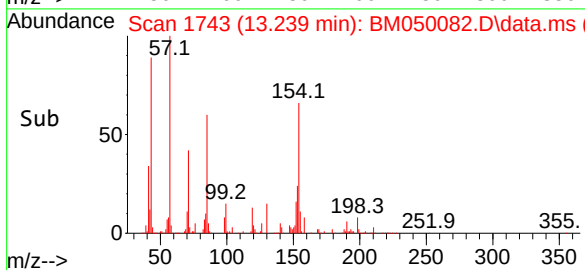
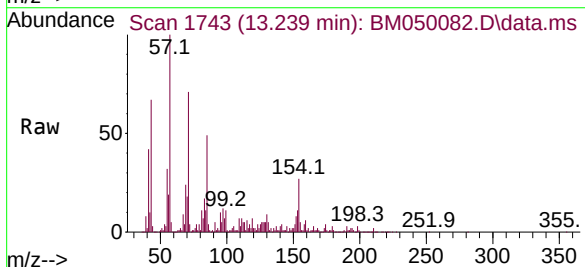
Manual Integrations
APPROVED

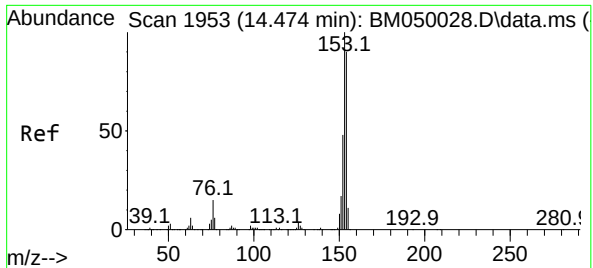
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#46
1,1'-Biphenyl
Concen: 13.552 ng
RT: 13.239 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

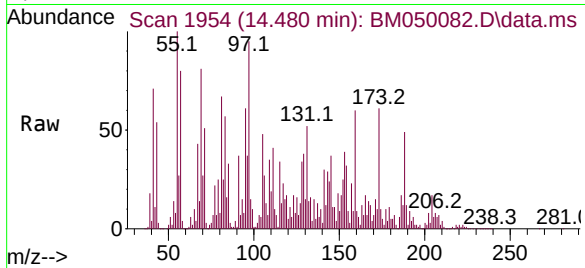
Tgt Ion:154 Resp: 711656
Ion Ratio Lower Upper
154 100
153 39.5 20.0 60.0
76 8.6 0.0 30.3





#52
Acenaphthene
Concen: 5.325 ng
RT: 14.480 min Scan# 1954
Delta R.T. 0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

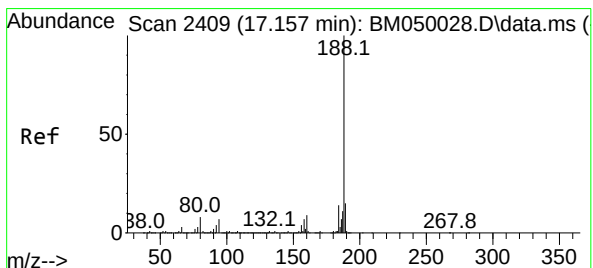
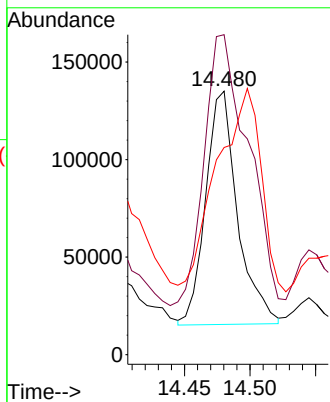
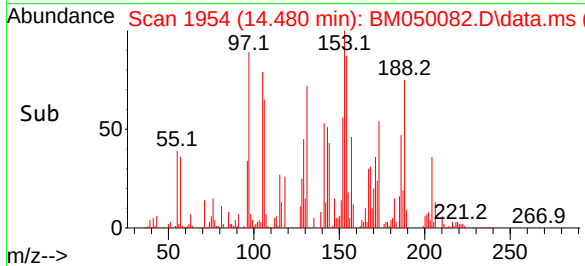
Instrument :
BNA_M
ClientSampleId :
SS-8



Tgt Ion:154 Resp: 202098
Ion Ratio Lower Upper
154 100
153 121.4 89.0 133.4
152 78.6 43.0 64.6

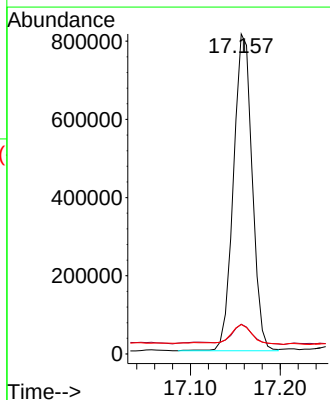
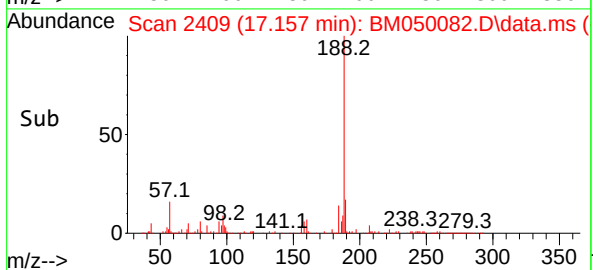
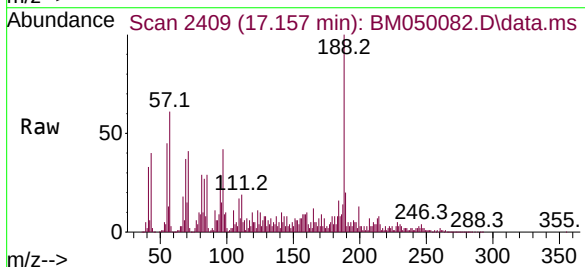
Manual Integrations
APPROVED

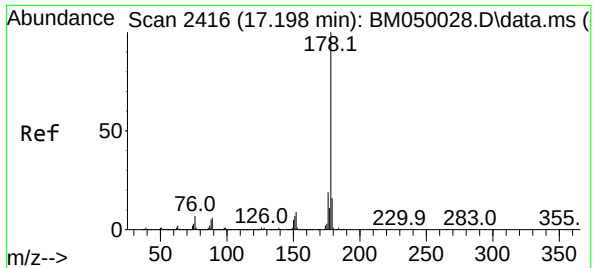
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

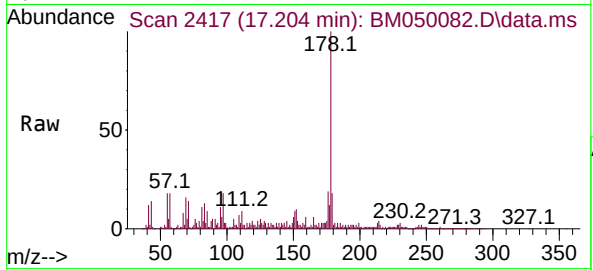
Tgt Ion:188 Resp: 1174129
Ion Ratio Lower Upper
188 100
94 9.3 5.7 8.5#
80 9.2 6.2 9.4





#71
Phenanthrene
Concen: 39.810 ng
RT: 17.204 min Scan# 2416
Delta R.T. 0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

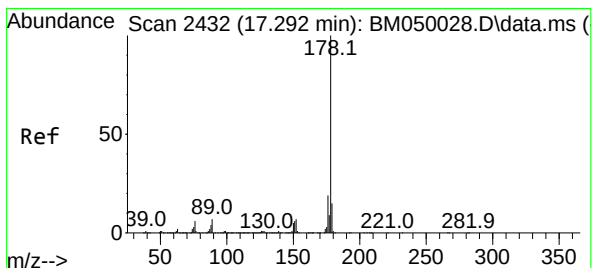
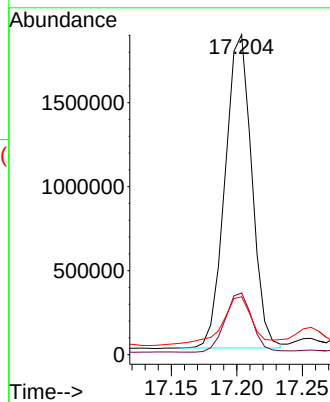
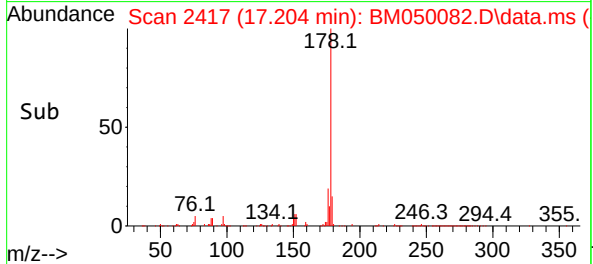
Instrument :
BNA_M
ClientSampleId :
SS-8



Tgt Ion:178 Resp: 2636310
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 18.1 12.4 18.6

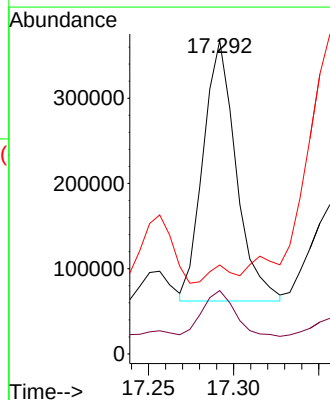
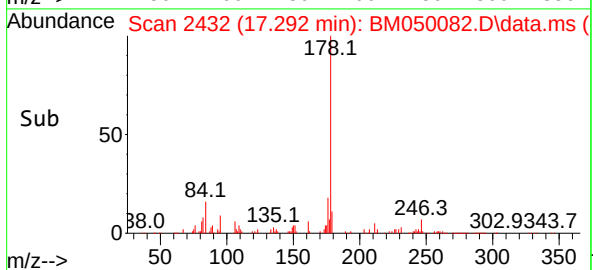
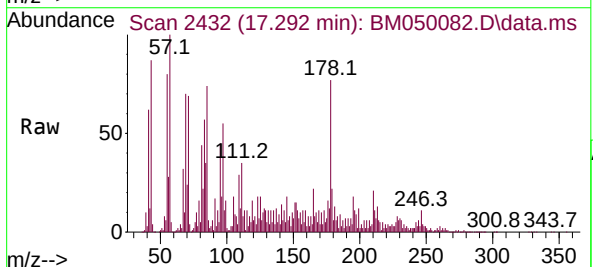
Manual Integrations
APPROVED

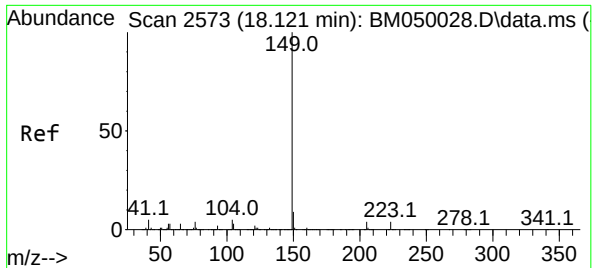
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#72
Anthracene
Concen: 6.148 ng m
RT: 17.292 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

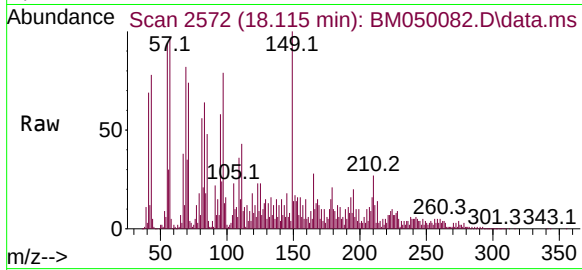
Tgt Ion:178 Resp: 411989
Ion Ratio Lower Upper
178 100
176 20.2 15.0 22.4
179 28.4 12.2 18.4#





#74
Di-n-butylphthalate
Concen: 6.630 ng
RT: 18.115 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

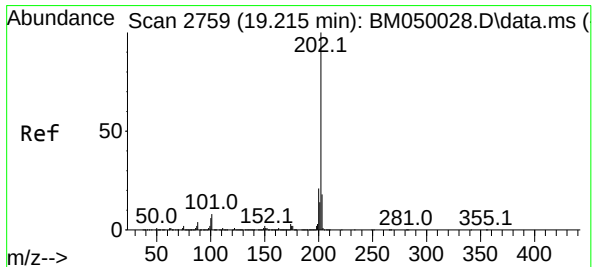
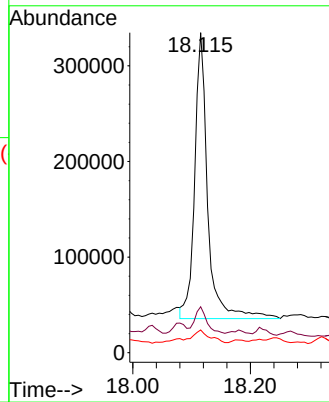
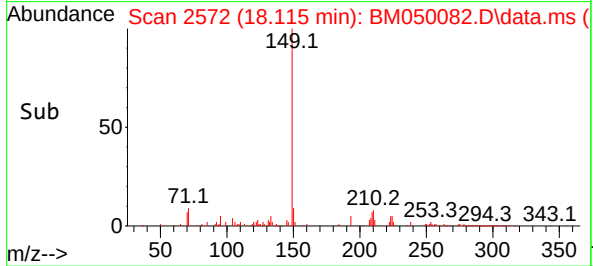
Instrument :
BNA_M
ClientSampleId :
SS-8



Tgt Ion:149 Resp: 459124
Ion Ratio Lower Upper
149 100
150 14.4 7.3 10.9
104 7.1 3.8 5.6

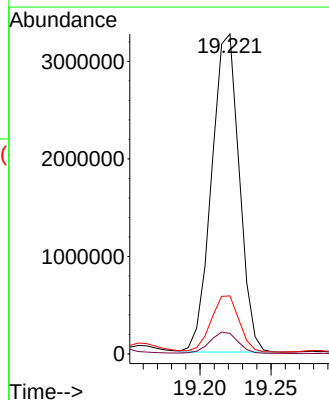
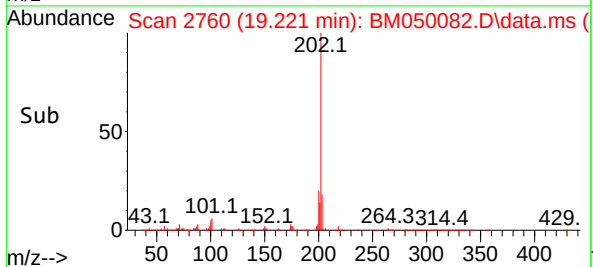
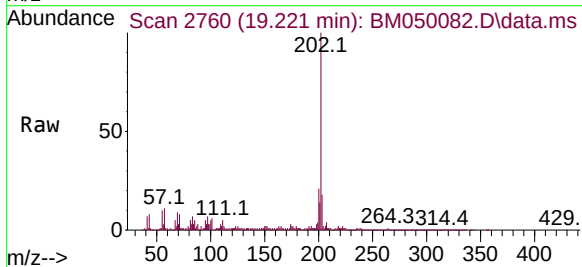
Manual Integrations
APPROVED

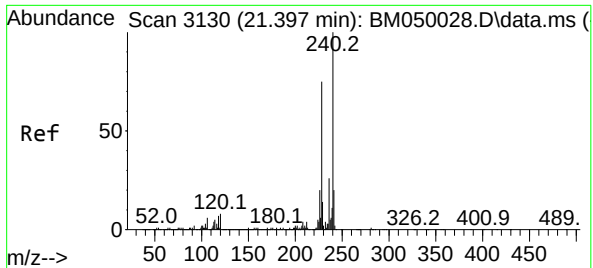
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#75
Fluoranthene
Concen: 56.924 ng
RT: 19.221 min Scan# 2760
Delta R.T. 0.006 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

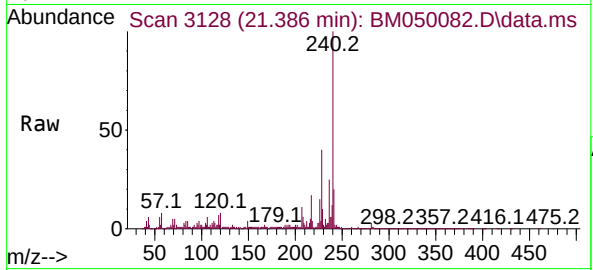
Tgt Ion:202 Resp: 4425756
Ion Ratio Lower Upper
202 100
101 6.4 0.0 28.0
203 18.2 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3130
Delta R.T. -0.011 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

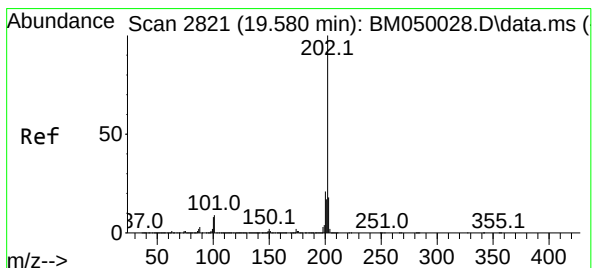
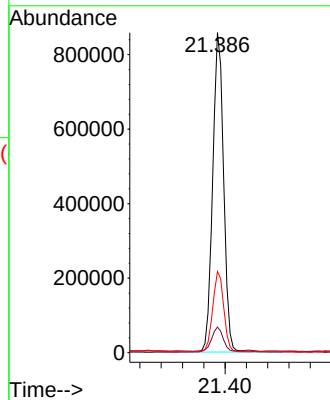
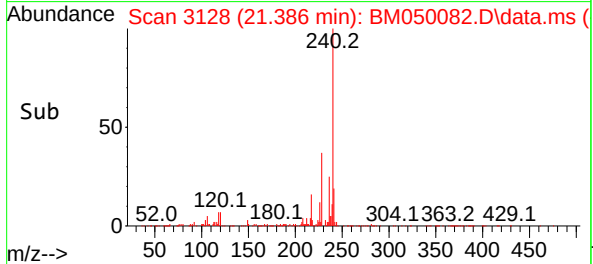
Instrument :
BNA_M
ClientSampleId :
SS-8



Tgt Ion:240 Resp: 121852
Ion Ratio Lower Upper
240 100
120 8.0 6.5 9.7
236 25.4 20.9 31.3

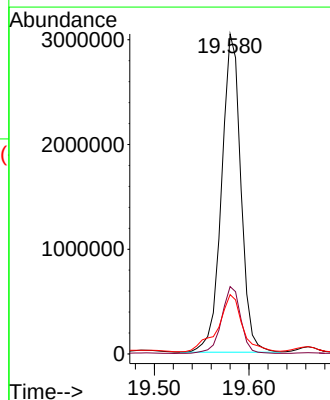
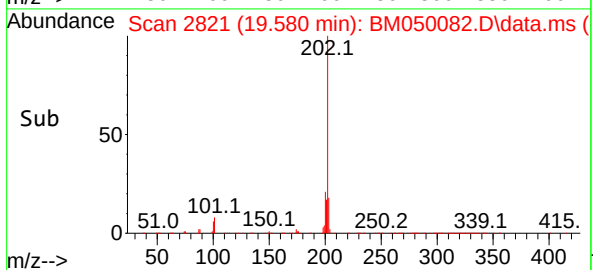
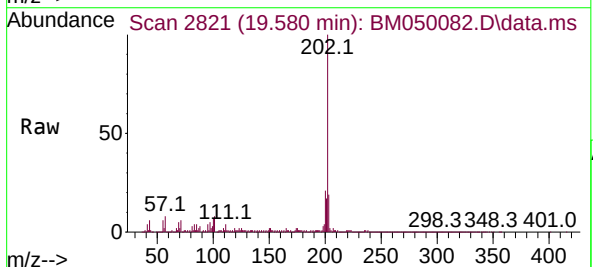
Manual Integrations
APPROVED

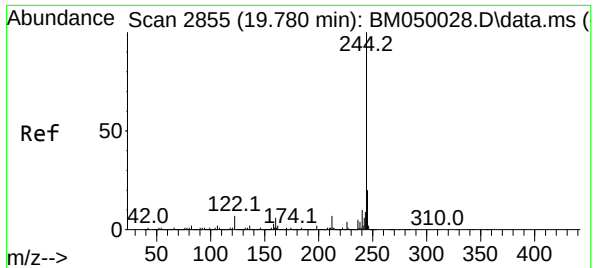
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#78
Pyrene
Concen: 50.230 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.000 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

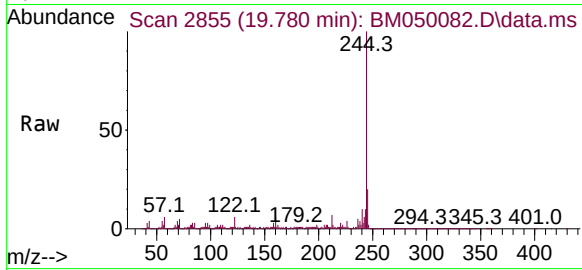
Tgt Ion:202 Resp: 4298119
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 18.6 14.1 21.1





#79
Terphenyl-d14
Concen: 55.463 ng
RT: 19.780 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

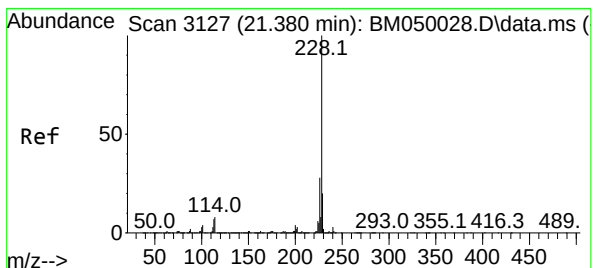
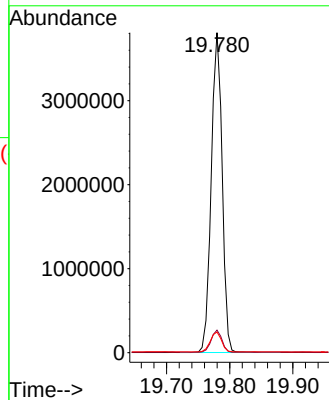
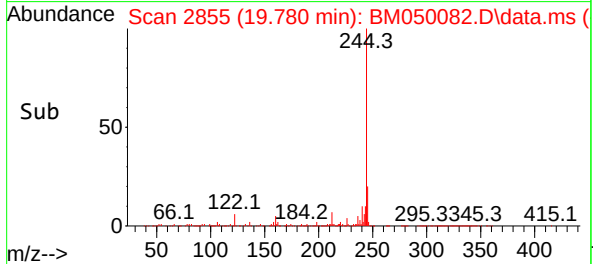
Instrument :
BNA_M
ClientSampleId :
SS-8



Tgt Ion:244 Resp: 4567238
Ion Ratio Lower Upper
244 100
212 7.1 5.6 8.4
122 6.4 5.6 8.4

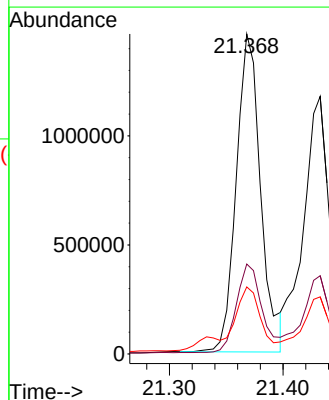
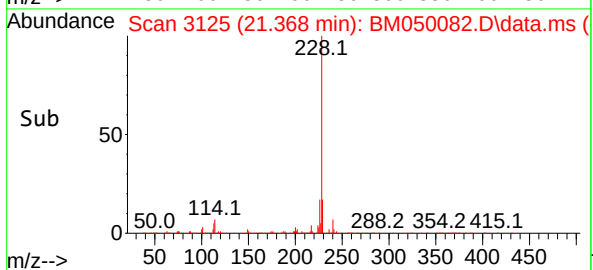
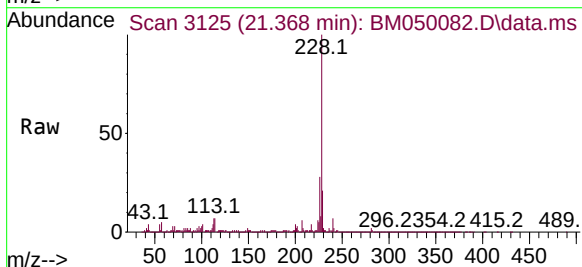
Manual Integrations
APPROVED

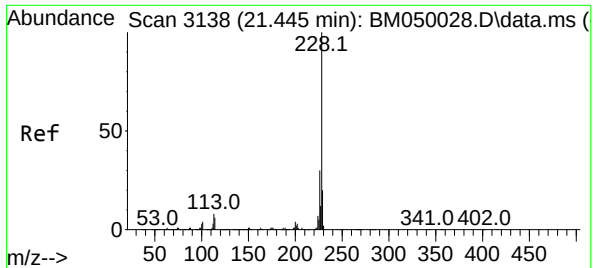
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#81
Benzo(a)anthracene
Concen: 25.900 ng
RT: 21.368 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

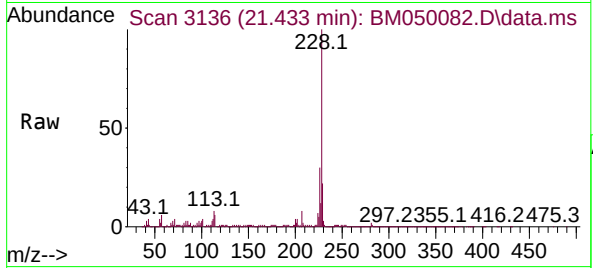
Tgt Ion:228 Resp: 2173300
Ion Ratio Lower Upper
228 100
226 28.1 22.1 33.1
229 21.0 15.7 23.5





#83
Chrysene
Concen: 23.919 ng
RT: 21.433 min Scan# 3136
Delta R.T. -0.012 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

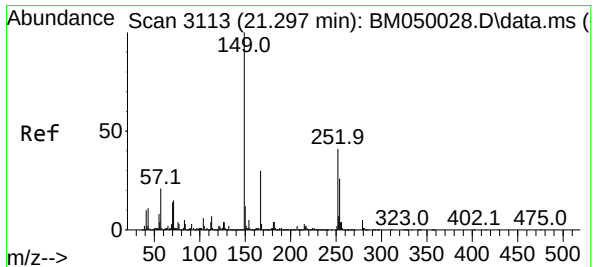
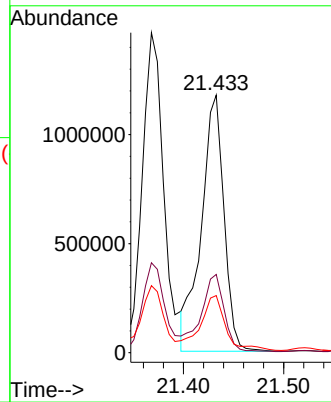
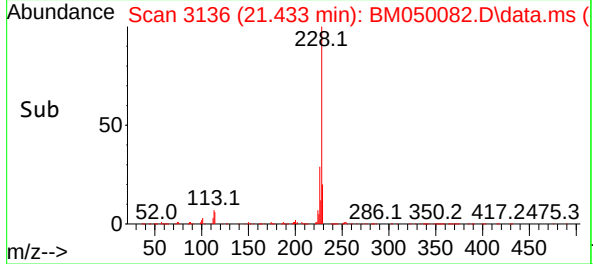
Instrument :
BNA_M
ClientSampleId :
SS-8



Tgt Ion:228 Resp: 1857590
Ion Ratio Lower Upper
228 100
226 30.4 24.2 36.2
229 22.1 15.7 23.5

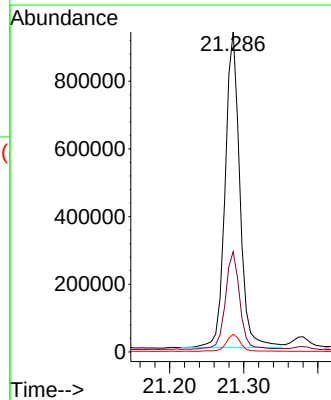
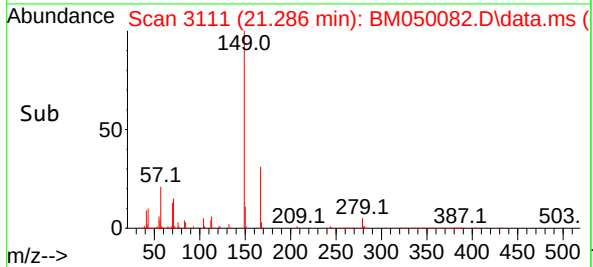
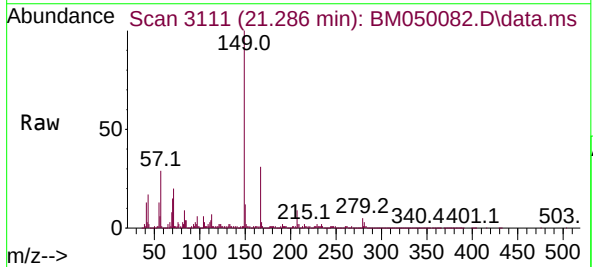
Manual Integrations
APPROVED

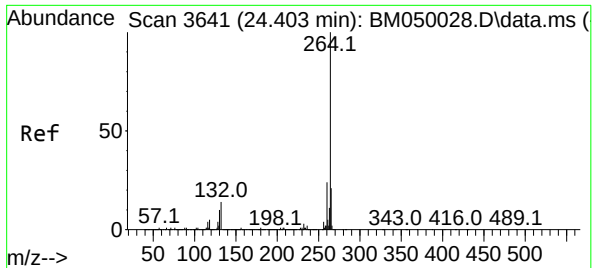
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 26.813 ng
RT: 21.286 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

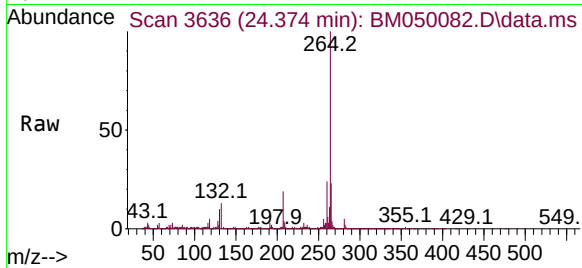
Tgt Ion:149 Resp: 1283549
Ion Ratio Lower Upper
149 100
167 31.4 24.1 36.1
279 5.5 3.9 5.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.374 min Scan# 30
Delta R.T. -0.029 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

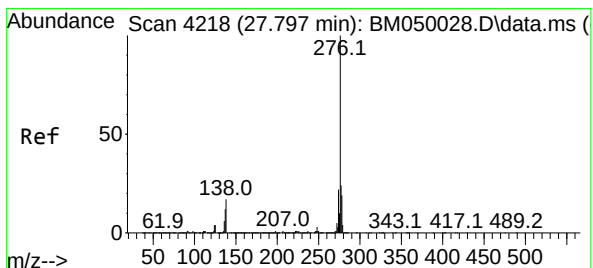
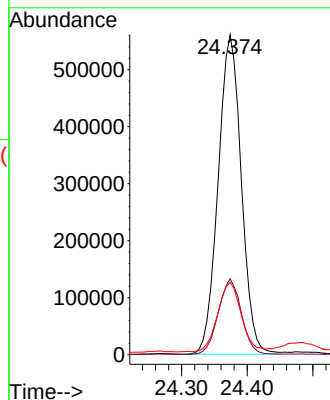
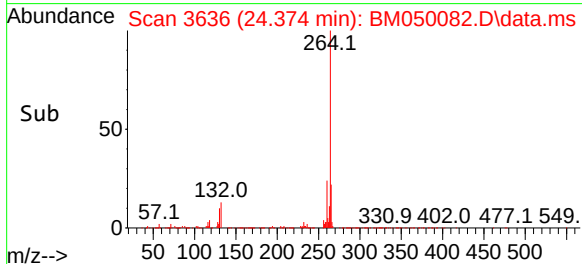
Instrument :
BNA_M
ClientSampleId :
SS-8



Tgt Ion:264 Resp: 1375318
Ion Ratio Lower Upper
264 100
260 23.7 18.8 28.2
265 22.6 17.0 25.4

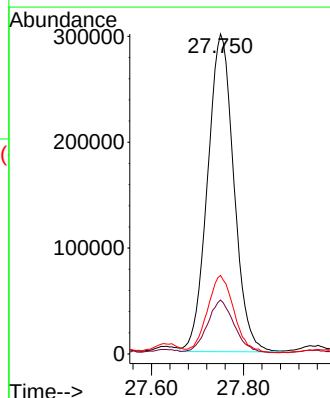
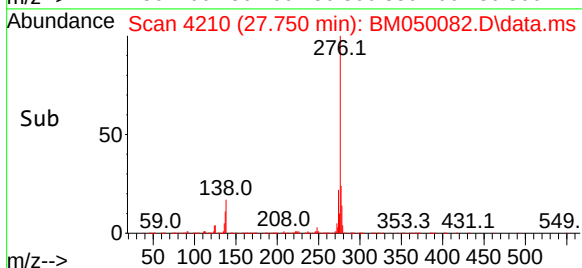
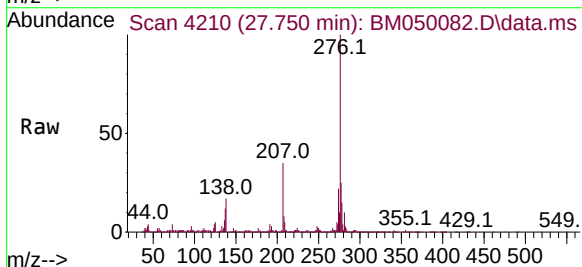
Manual Integrations
APPROVED

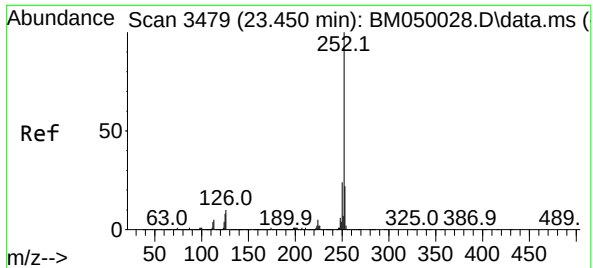
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 11.611 ng
RT: 27.750 min Scan# 4210
Delta R.T. -0.047 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

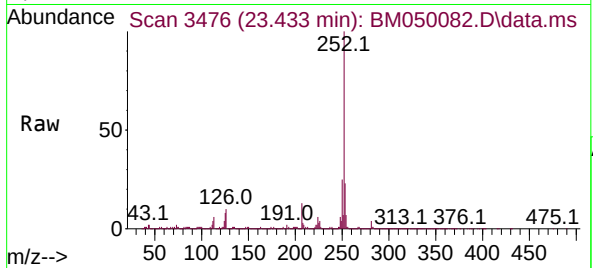
Tgt Ion:276 Resp: 1189908
Ion Ratio Lower Upper
276 100
138 16.9 16.4 24.6
277 24.6 19.8 29.8





#88
Benzo(b)fluoranthene
Concen: 27.255 ng
RT: 23.433 min Scan# 3479
Delta R.T. -0.018 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

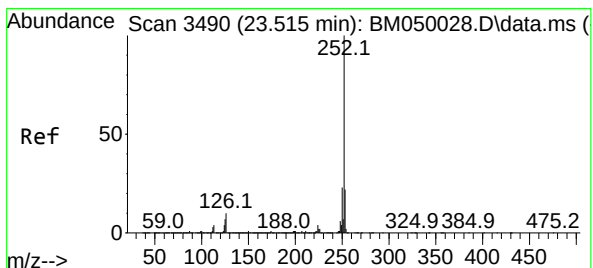
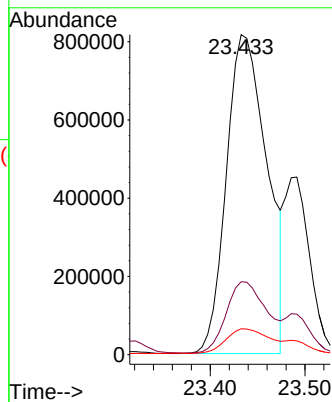
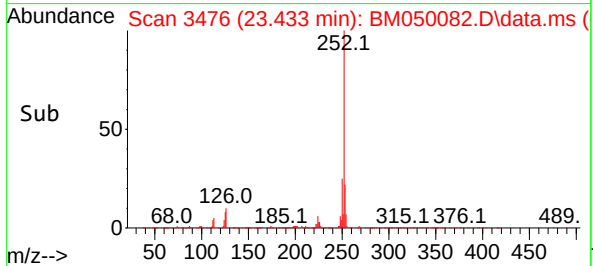
Instrument :
BNA_M
ClientSampleId :
SS-8



Tgt Ion:252 Resp: 243774
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 8.1 6.1 9.1

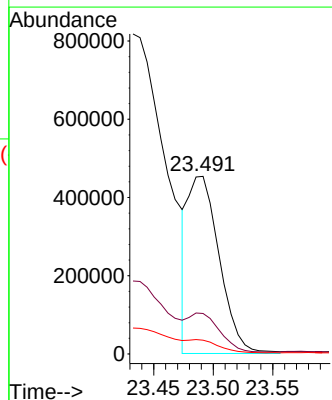
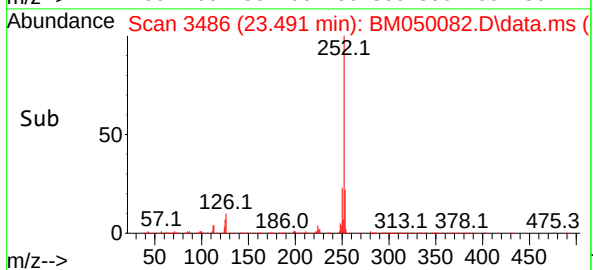
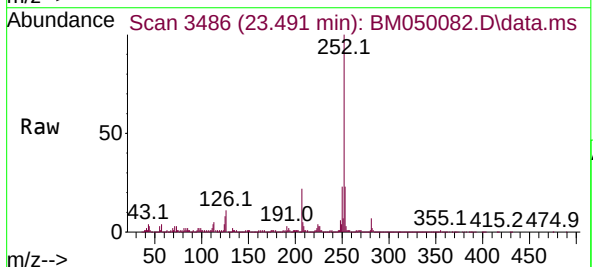
Manual Integrations
APPROVED

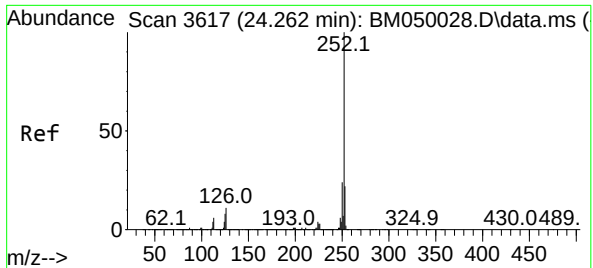
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#89
Benzo(k)fluoranthene
Concen: 9.184 ng m
RT: 23.491 min Scan# 3486
Delta R.T. -0.024 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

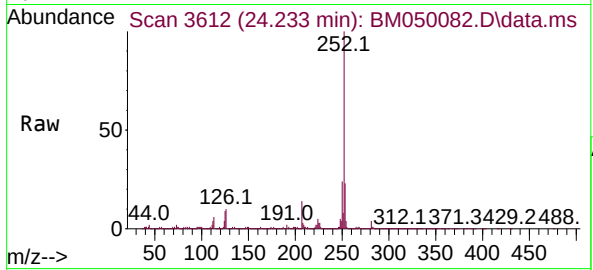
Tgt Ion:252 Resp: 830931
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.2
125 7.8 5.8 8.8





#90
Benzo(a)pyrene
Concen: 21.367 ng
RT: 24.233 min Scan# 30
Delta R.T. -0.029 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

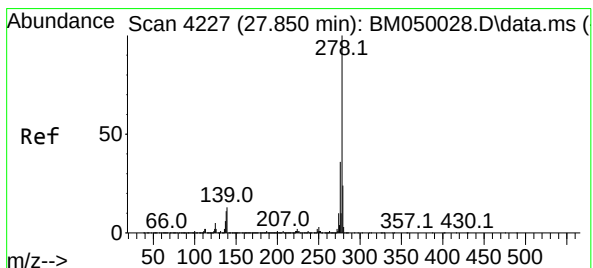
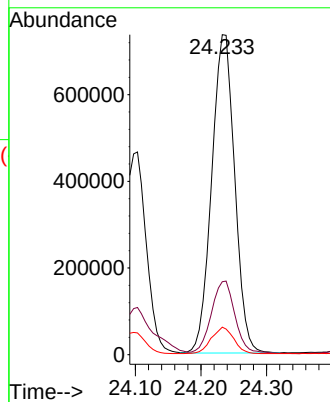
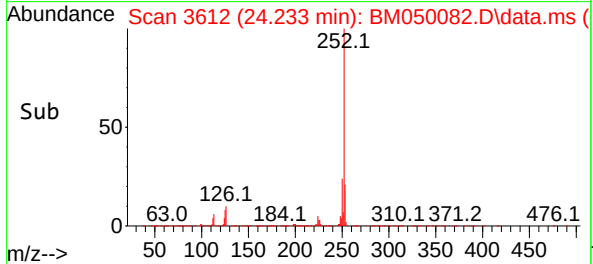
Instrument :
BNA_M
ClientSampleId :
SS-8



Tgt Ion:252 Resp: 1789914
Ion Ratio Lower Upper
252 100
253 22.8 17.4 26.0
125 8.6 6.6 9.8

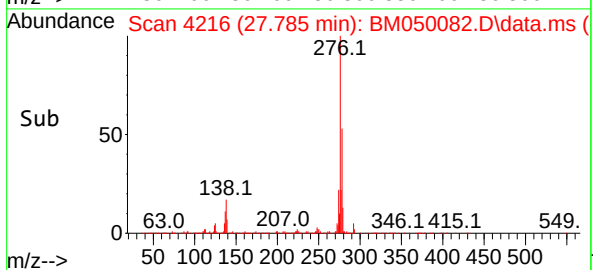
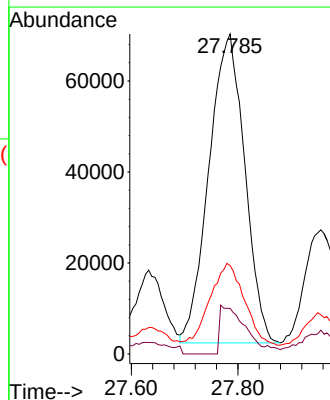
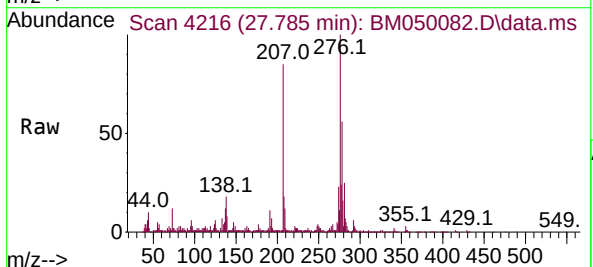
Manual Integrations
APPROVED

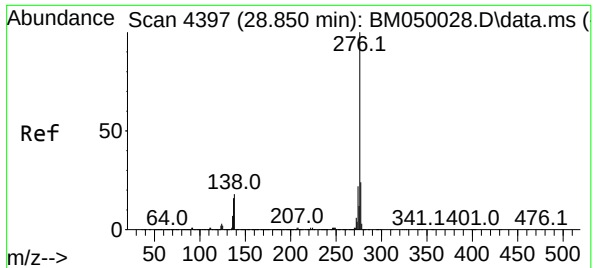
Reviewed By :Rahul Chavli 05/05/2025
Supervised By :Jagrut Upadhyay 05/05/2025



#91
Dibenzo(a,h)anthracene
Concen: 3.793 ng
RT: 27.785 min Scan# 4216
Delta R.T. -0.065 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

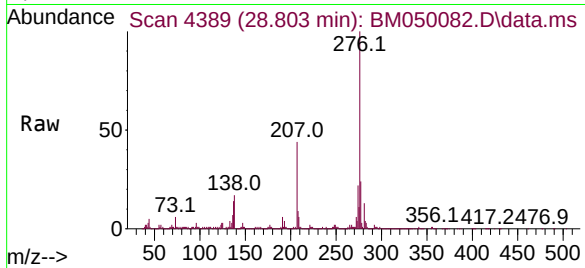
Tgt Ion:278 Resp: 316870
Ion Ratio Lower Upper
278 100
139 14.3 10.5 15.7
279 27.6 19.4 29.0





#92
Benzo(g,h,i)perylene
Concen: 13.535 ng
RT: 28.803 min Scan# 41
Delta R.T. -0.047 min
Lab File: BM050082.D
Acq: 02 May 2025 12:41

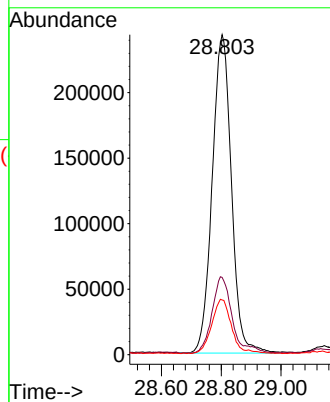
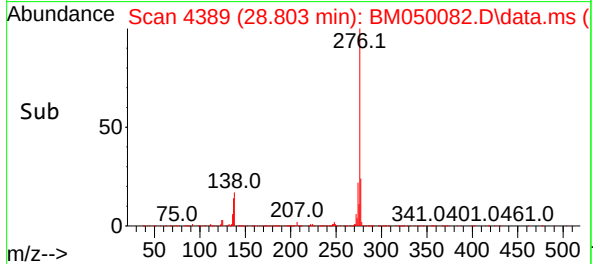
Instrument :
BNA_M
ClientSampleId :
SS-8



Tgt Ion:276 Resp: 108244
Ion Ratio Lower Upper
276 100
277 24.1 19.1 28.7
138 17.1 14.3 21.5

Manual Integrations
APPROVED

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



Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-9	SDG No.:	Q1914
Lab Sample ID:	Q1914-12	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BM050099.D	1	04/30/25 11:00	05/05/25 15:03	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
91-20-3	Naphthalene	190	U	26.0	190	ug/Kg
208-96-8	Acenaphthylene	190	U	33.1	190	ug/Kg
83-32-9	Acenaphthene	190	U	24.4	190	ug/Kg
86-73-7	Fluorene	190	U	29.0	190	ug/Kg
85-01-8	Phenanthrene	190	U	23.9	190	ug/Kg
120-12-7	Anthracene	190	U	38.1	190	ug/Kg
206-44-0	Fluoranthene	160	J	34.4	190	ug/Kg
129-00-0	Pyrene	150	J	41.2	190	ug/Kg
56-55-3	Benzo(a)anthracene	83.6	J	26.3	190	ug/Kg
218-01-9	Chrysene	78.4	J	22.8	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	190	U	25.7	190	ug/Kg
50-32-8	Benzo(a)pyrene	79.1	J	33.8	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190	U	33.3	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	190	U	31.4	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	190	U	29.4	190	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	37.5		18 - 107	37%	SPK: 100
321-60-8	2-Fluorobiphenyl	35.9		20 - 109	36%	SPK: 100
1718-51-0	Terphenyl-d14	35.9		10 - 105	36%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	354000	7.745			
1146-65-2	Naphthalene-d8	1250000	10.539			
15067-26-2	Acenaphthene-d10	827000	14.392			
1517-22-2	Phenanthrene-d10	1610000	17.139			
1719-03-5	Chrysene-d12	1460000	21.386			
1520-96-3	Perylene-d12	1490000	24.374			

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-9	SDG No.:	Q1914
Lab Sample ID:	Q1914-12	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	87.1
Sample Wt/Vol:	30.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
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
BM050099.D	1	04/30/25 11:00	05/05/25 15:03	PB167803

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
 Data File : BM050099.D
 Acq On : 05 May 2025 15:03
 Operator : RC/JU
 Sample : Q1914-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SS-9

Quant Time: May 05 15:41:52 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)

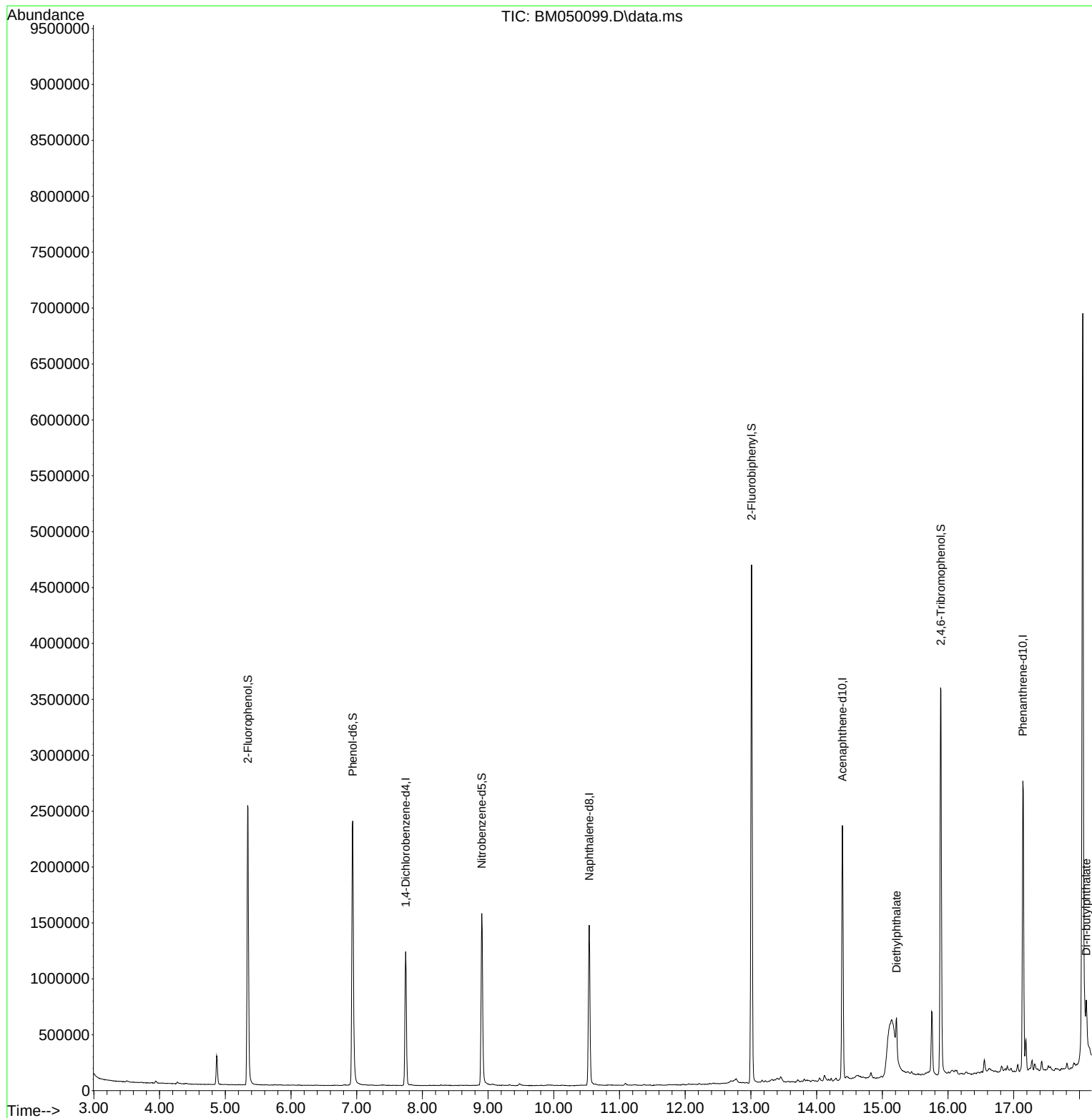
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.745	152	354451	20.000	ng	-0.02
21) Naphthalene-d8	10.539	136	1254837	20.000	ng	-0.02
39) Acenaphthene-d10	14.392	164	826535	20.000	ng	-0.02
64) Phenanthrene-d10	17.139	188	1612546	20.000	ng	-0.02
76) Chrysene-d12	21.386	240	1455814	20.000	ng	-0.01
86) Perylene-d12	24.374	264	1490527	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.345	112	1244240	61.468	ng	-0.01
7) Phenol-d6	6.939	99	1598190	62.818	ng	-0.01
23) Nitrobenzene-d5	8.904	82	954221	37.471	ng	-0.02
42) 2,4,6-Tribromophenol	15.892	330	782010	63.987	ng	-0.01
45) 2-Fluorobiphenyl	13.010	172	2510748	35.935	ng	-0.02
79) Terphenyl-d14	19.768	244	3531565	35.896	ng	-0.01
Target Compounds						Qvalue
60) Diethylphthalate	15.215	149	286053	5.026	ng	98
74) Di-n-butylphthalate	18.103	149	277648	2.919	ng	99
75) Fluoranthene	19.203	202	437686	4.099	ng	99
78) Pyrene	19.568	202	409984	4.010	ng	99
81) Benzo(a)anthracene	21.368	228	219552	2.190	ng	97
83) Chrysene	21.427	228	190520	2.053	ng	97
84) Bis(2-ethylhexyl)phtha...	21.280	149	119176	2.084	ng	99
88) Benzo(b)fluoranthene	23.433	252	252177	2.602	ng	# 95
90) Benzo(a)pyrene	24.232	252	188080	2.072	ng	# 95

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050099.D
Acq On : 05 May 2025 15:03
Operator : RC/JU
Sample : Q1914-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-9

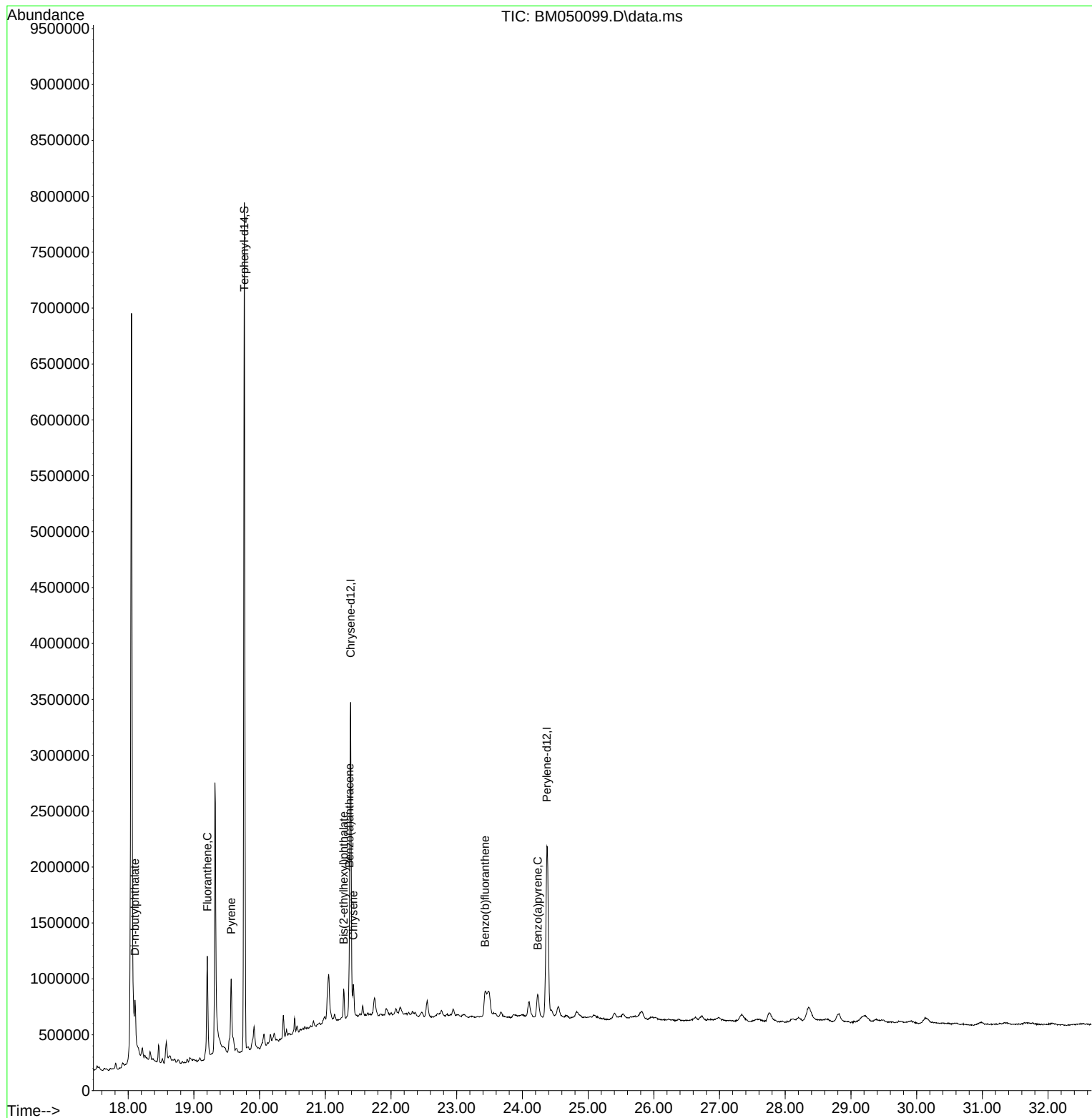
Quant Time: May 05 15:41:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

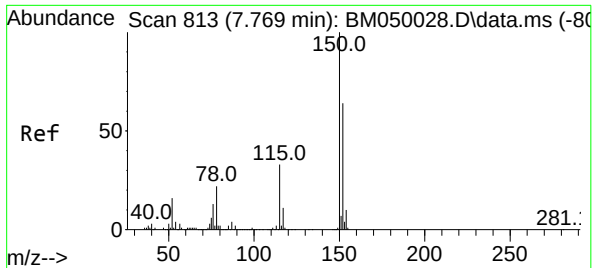


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050525\
Data File : BM050099.D
Acq On : 05 May 2025 15:03
Operator : RC/JU
Sample : Q1914-12
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SS-9

Quant Time: May 05 15:41:52 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

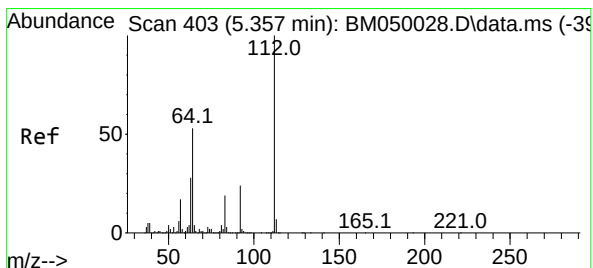
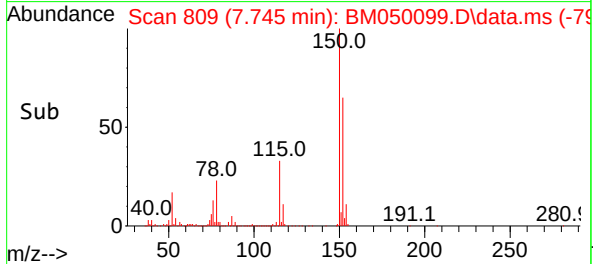
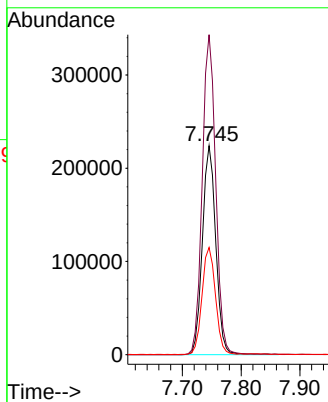
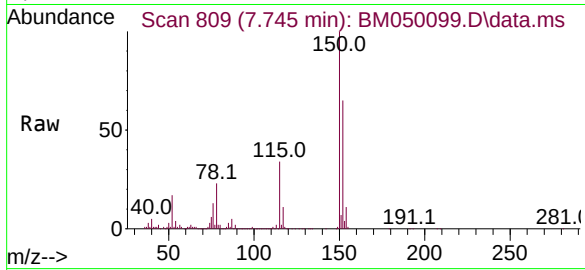




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 809
Delta R.T. -0.024 min
Lab File: BM050099.D
Acq: 05 May 2025 15:03

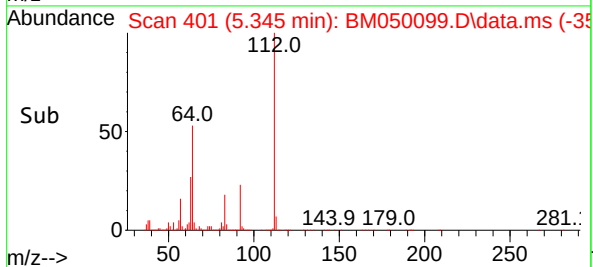
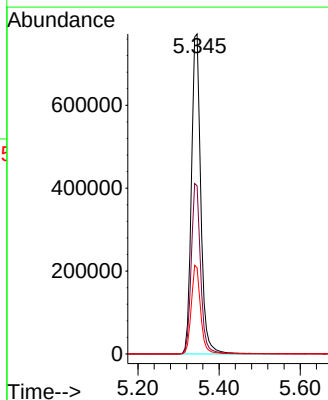
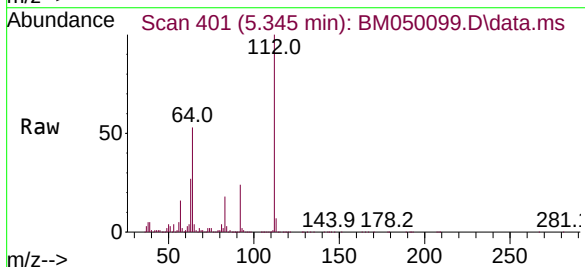
Instrument :
BNA_M
ClientSampleId :
SS-9

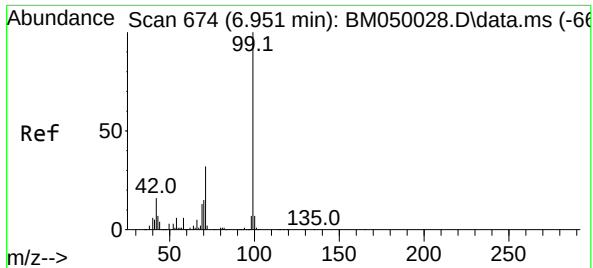
Tgt Ion:152 Resp: 354451
Ion Ratio Lower Upper
152 100
150 153.1 124.1 186.1
115 51.3 41.2 61.8



#5
2-Fluorophenol
Concen: 61.468 ng
RT: 5.345 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050099.D
Acq: 05 May 2025 15:03

Tgt Ion:112 Resp: 1244240
Ion Ratio Lower Upper
112 100
64 52.6 42.6 64.0
63 26.9 22.2 33.4

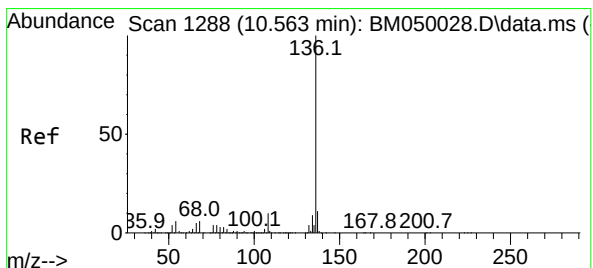
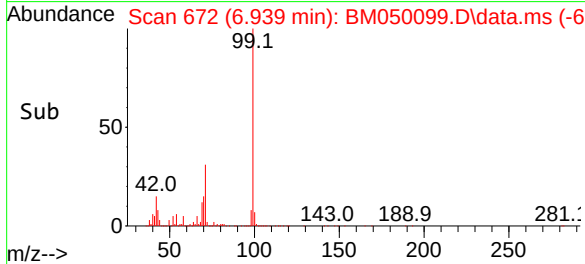
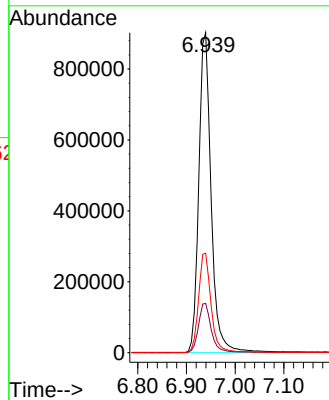
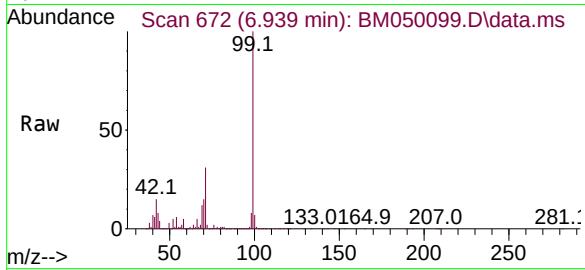




#7
Phenol-d6
Concen: 62.818 ng
RT: 6.939 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM050099.D
Acq: 05 May 2025 15:03

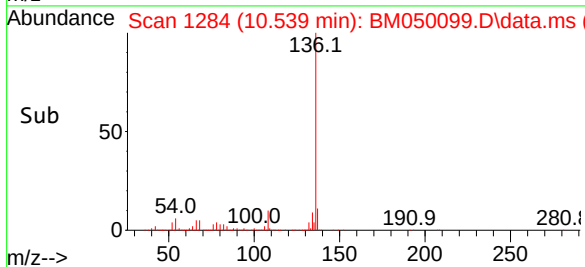
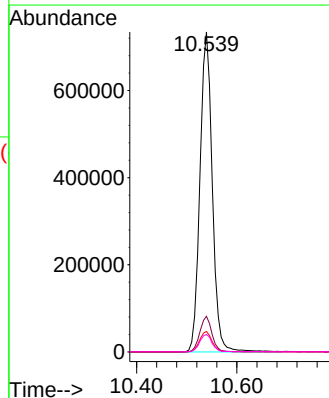
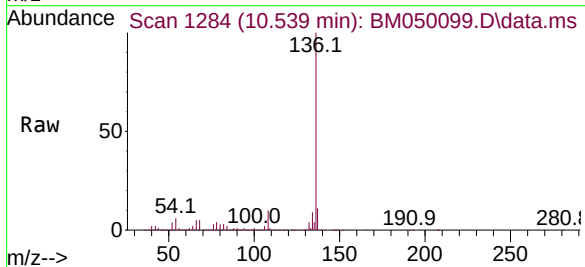
Instrument :
BNA_M
ClientSampleId :
SS-9

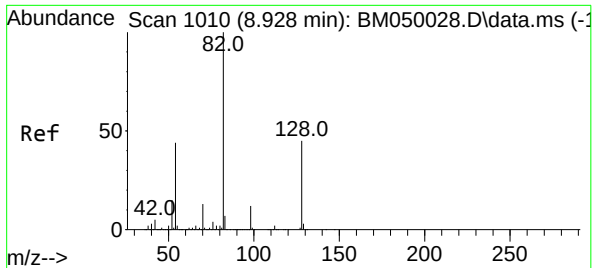
Tgt Ion: 99 Resp: 1598190
Ion Ratio Lower Upper
99 100
42 15.4 13.0 19.4
71 31.1 25.6 38.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050099.D
Acq: 05 May 2025 15:03

Tgt Ion: 136 Resp: 1254837
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 6.4 5.1 7.7
68 5.4 4.4 6.6

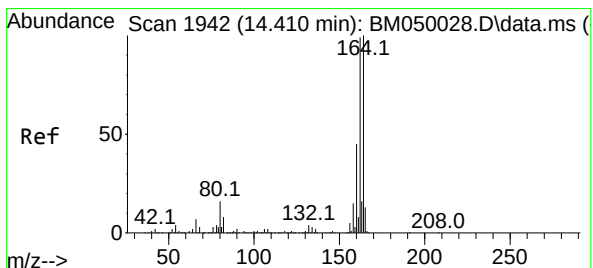
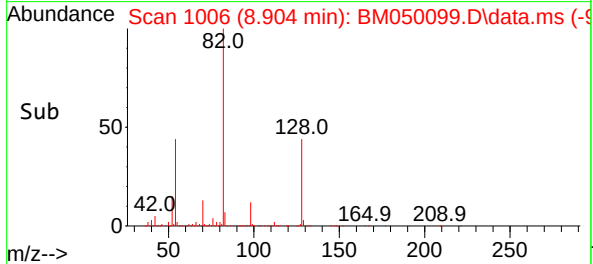
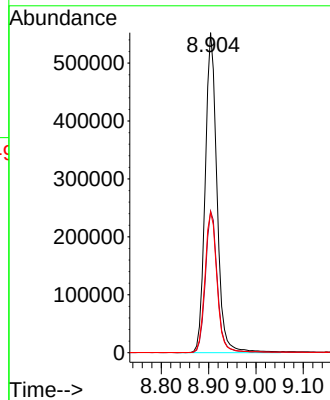
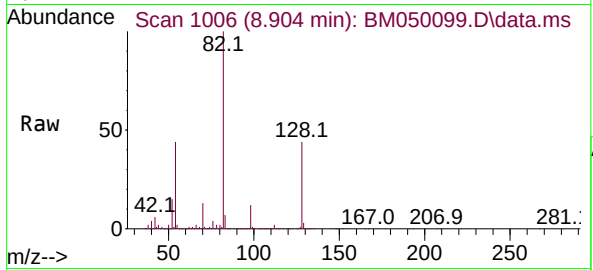




#23
Nitrobenzene-d5
Concen: 37.471 ng
RT: 8.904 min Scan# 1006
Delta R.T. -0.024 min
Lab File: BM050099.D
Acq: 05 May 2025 15:03

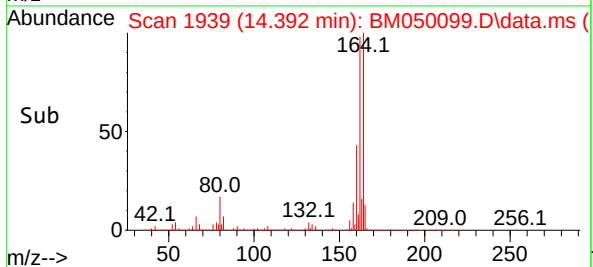
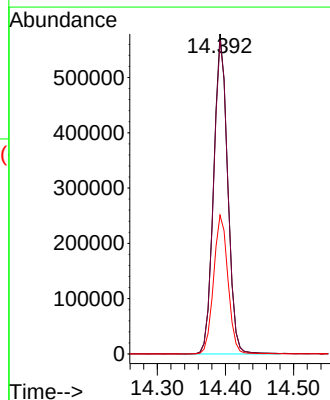
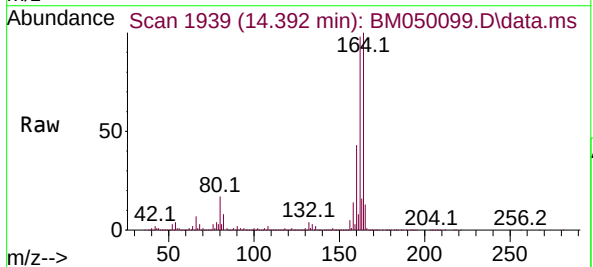
Instrument :
BNA_M
ClientSampleId :
SS-9

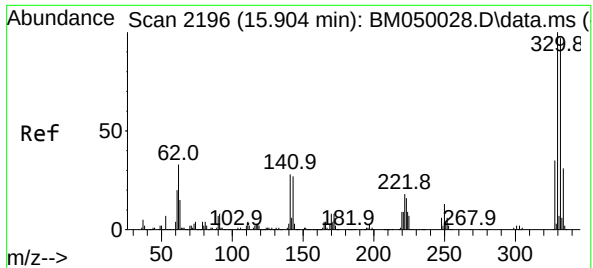
Tgt Ion: 82 Resp: 954221
Ion Ratio Lower Upper
82 100
128 44.2 35.7 53.5
54 43.9 35.4 53.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.018 min
Lab File: BM050099.D
Acq: 05 May 2025 15:03

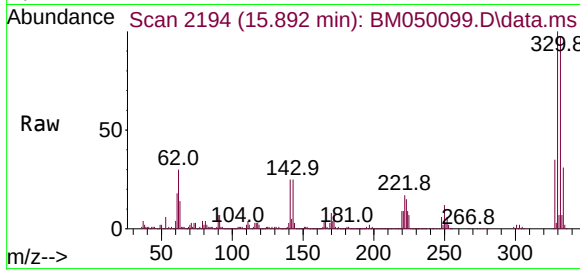
Tgt Ion: 164 Resp: 826535
Ion Ratio Lower Upper
164 100
162 97.9 79.4 119.0
160 43.4 36.2 54.4



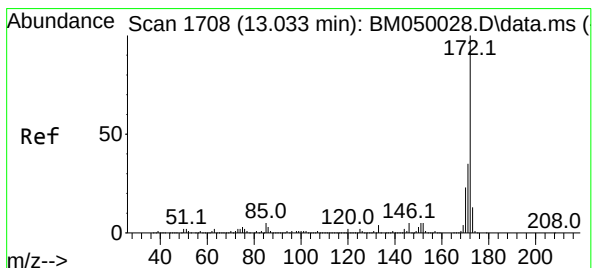
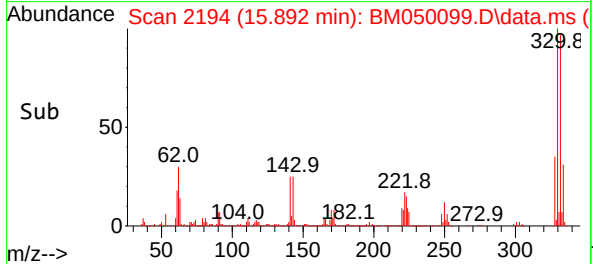
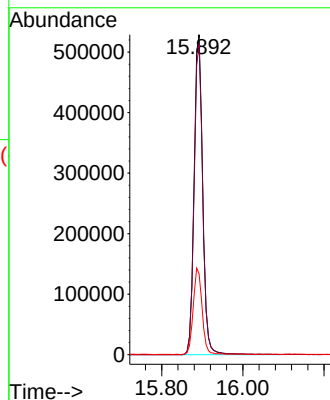


#42
2,4,6-Tribromophenol
Concen: 63.987 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050099.D
Acq: 05 May 2025 15:03

Instrument :
BNA_M
ClientSampleId :
SS-9

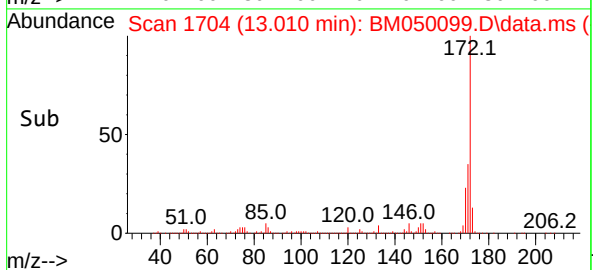
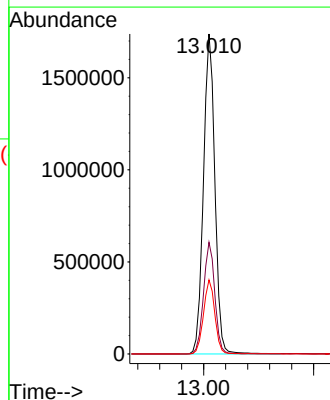
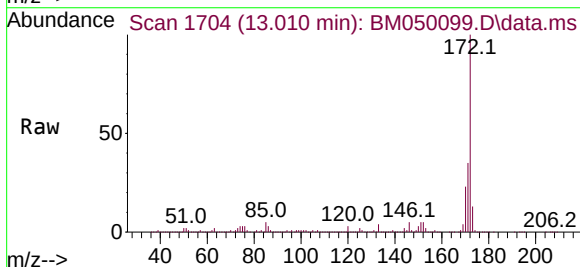


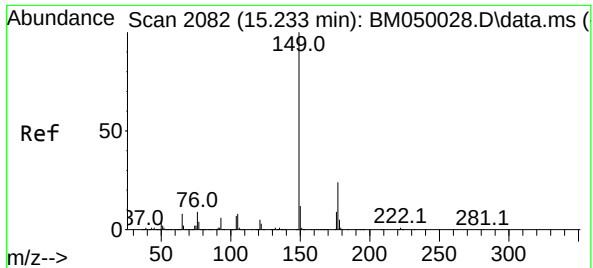
Tgt Ion:330 Resp: 782010
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 27.7 22.5 33.7



#45
2-Fluorobiphenyl
Concen: 35.935 ng
RT: 13.010 min Scan# 1704
Delta R.T. -0.024 min
Lab File: BM050099.D
Acq: 05 May 2025 15:03

Tgt Ion:172 Resp: 2510748
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 23.2 18.6 28.0

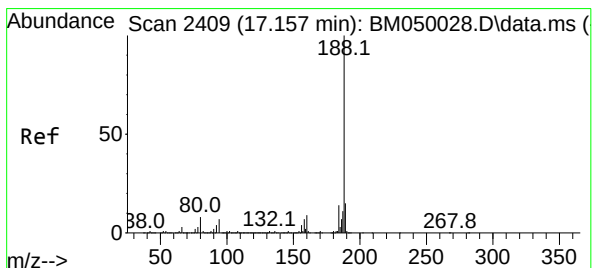
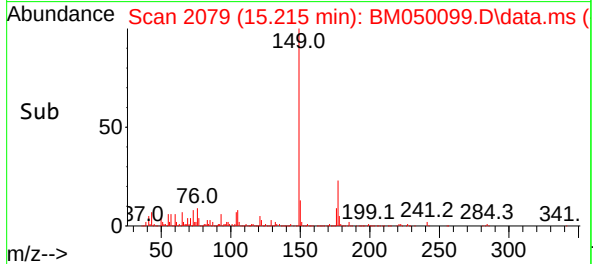
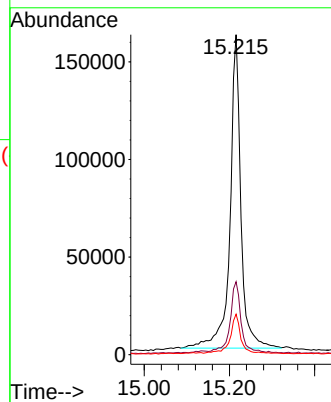
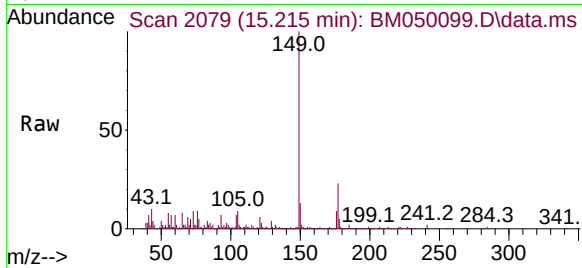




#60
Diethylphthalate
Concen: 5.026 ng
RT: 15.215 min Scan# 20
Delta R.T. -0.018 min
Lab File: BM050099.D
Acq: 05 May 2025 15:03

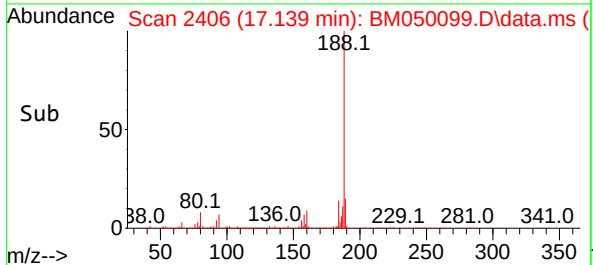
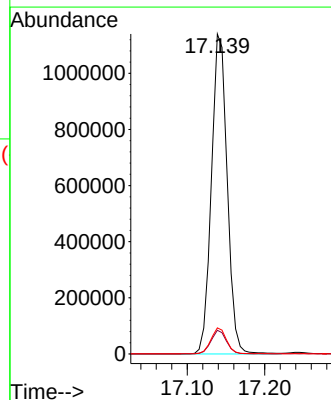
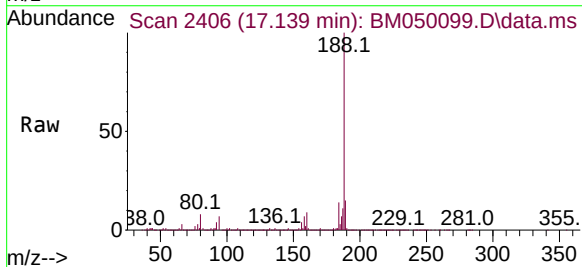
Instrument :
BNA_M
ClientSampleId :
SS-9

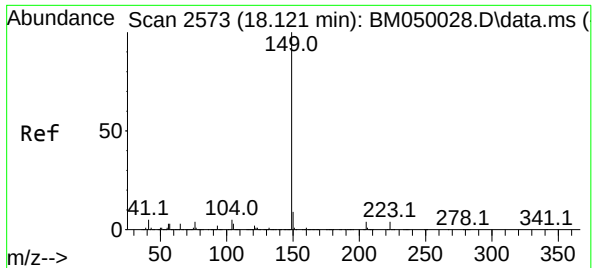
Tgt Ion:149 Resp: 286053
Ion Ratio Lower Upper
149 100
177 22.8 19.1 28.7
150 12.7 9.6 14.4



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.139 min Scan# 2406
Delta R.T. -0.018 min
Lab File: BM050099.D
Acq: 05 May 2025 15:03

Tgt Ion:188 Resp: 1612546
Ion Ratio Lower Upper
188 100
94 7.4 5.7 8.5
80 8.2 6.2 9.4

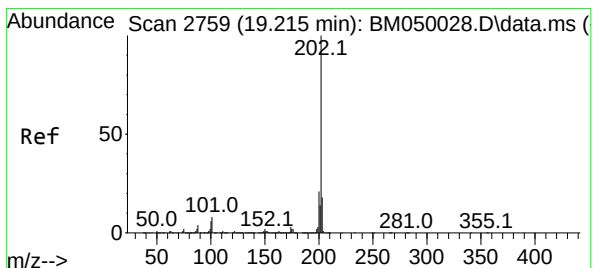
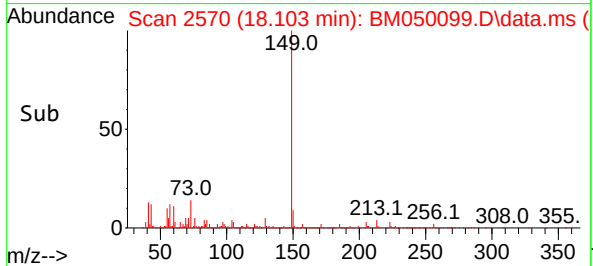
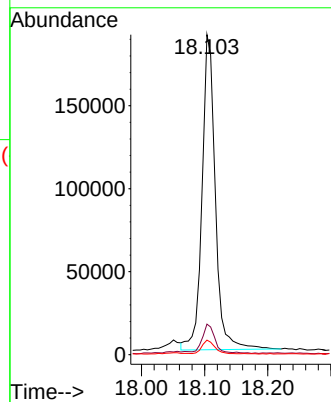
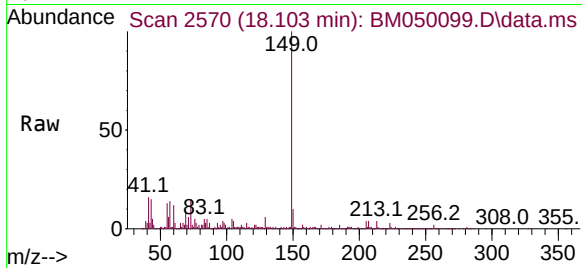




#74
Di-n-butylphthalate
Concen: 2.919 ng
RT: 18.103 min Scan# 21
Delta R.T. -0.018 min
Lab File: BM050099.D
Acq: 05 May 2025 15:03

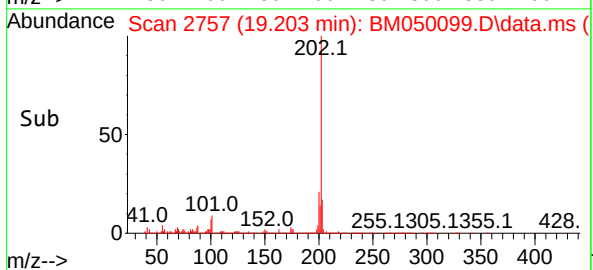
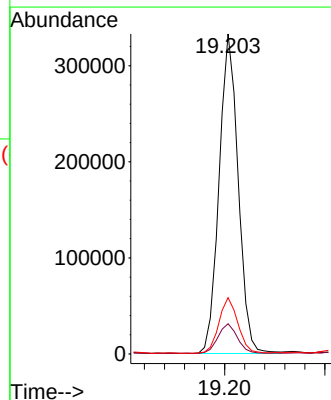
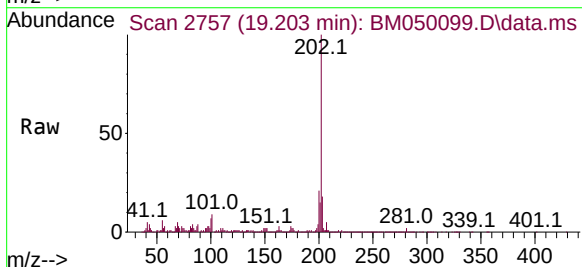
Instrument :
BNA_M
ClientSampleId :
SS-9

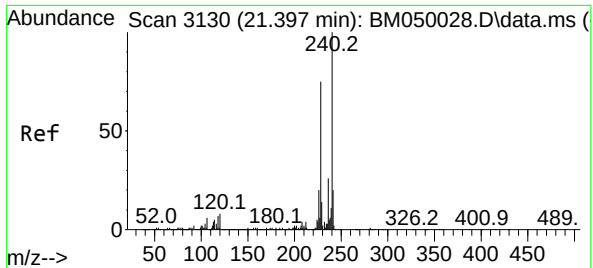
Tgt Ion:149 Resp: 277648
Ion Ratio Lower Upper
149 100
150 9.6 7.3 10.9
104 4.6 3.8 5.6



#75
Fluoranthene
Concen: 4.099 ng
RT: 19.203 min Scan# 2757
Delta R.T. -0.012 min
Lab File: BM050099.D
Acq: 05 May 2025 15:03

Tgt Ion:202 Resp: 437686
Ion Ratio Lower Upper
202 100
101 9.5 0.0 28.0
203 17.6 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: BM050099.D

Acq: 05 May 2025 15:03

Instrument :

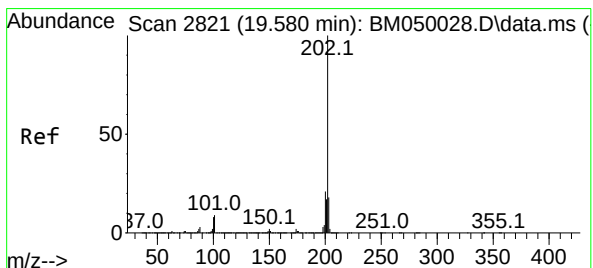
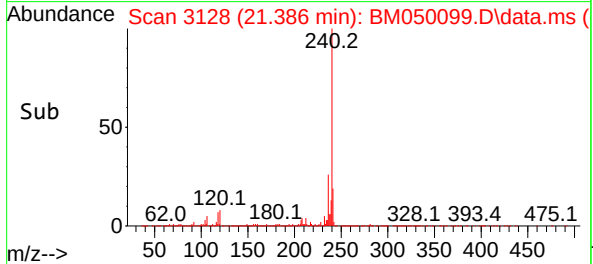
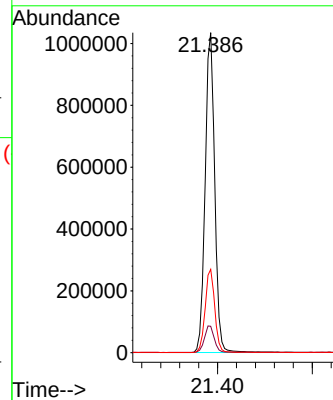
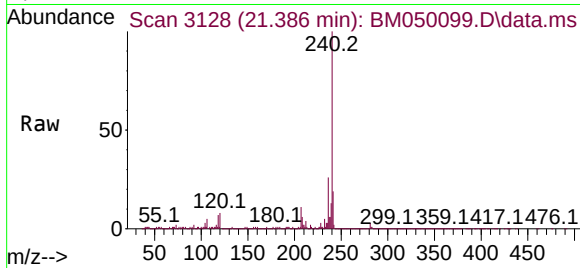
BNA_M

ClientSampleId :

SS-9

Tgt Ion:240 Resp: 1455814

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.5	9.7
236	26.0	20.9	31.3



#78

Pyrene

Concen: 4.010 ng

RT: 19.568 min Scan# 2819

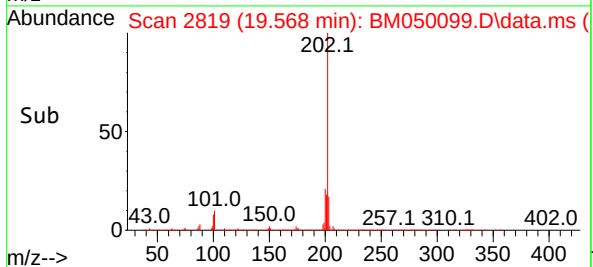
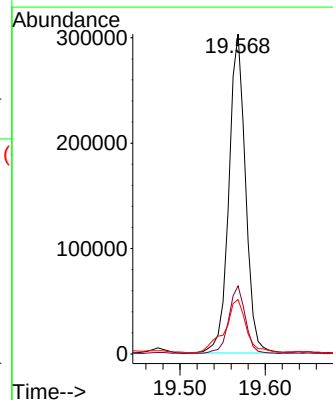
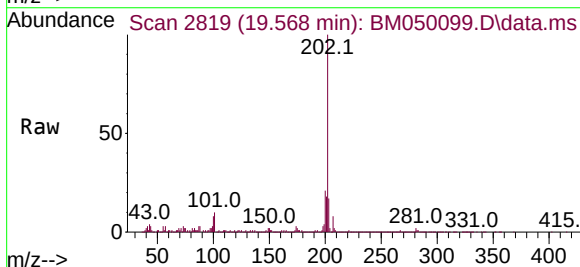
Delta R.T. -0.012 min

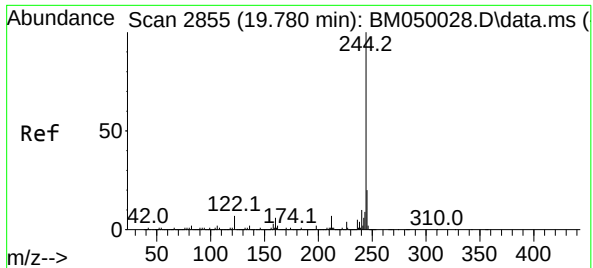
Lab File: BM050099.D

Acq: 05 May 2025 15:03

Tgt Ion:202 Resp: 409984

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.7	25.1
203	17.0	14.1	21.1

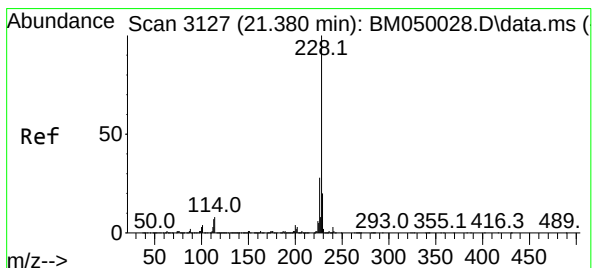
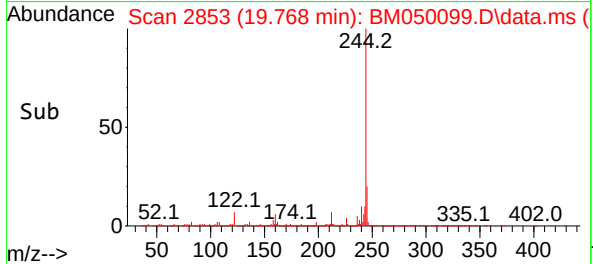
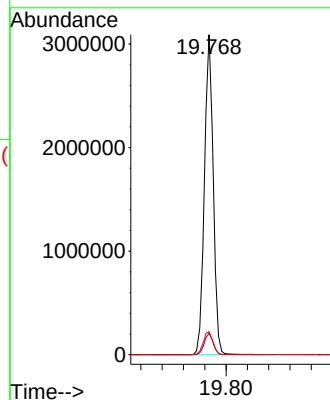
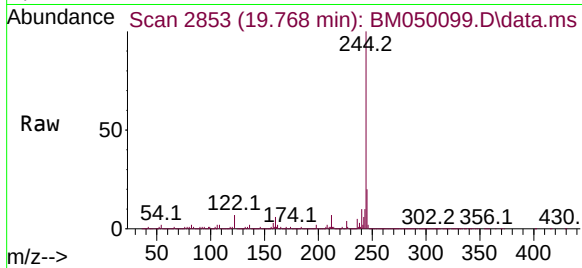




#79
Terphenyl-d14
Concen: 35.896 ng
RT: 19.768 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050099.D
Acq: 05 May 2025 15:03

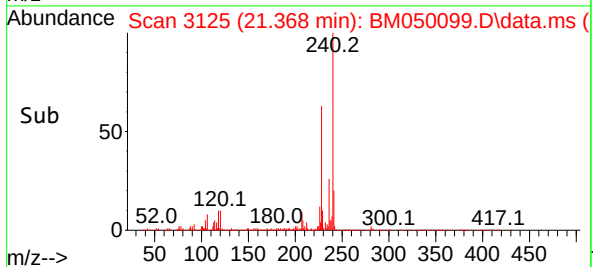
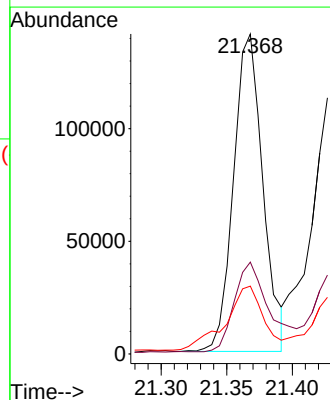
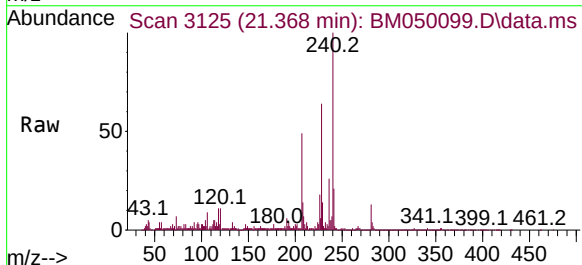
Instrument :
BNA_M
ClientSampleId :
SS-9

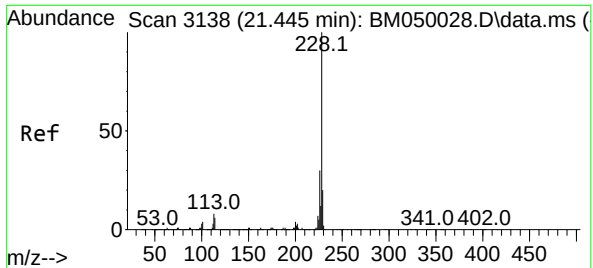
Tgt Ion:244 Resp: 3531565
Ion Ratio Lower Upper
244 100
212 6.7 5.6 8.4
122 7.2 5.6 8.4



#81
Benzo(a)anthracene
Concen: 2.190 ng
RT: 21.368 min Scan# 3125
Delta R.T. -0.012 min
Lab File: BM050099.D
Acq: 05 May 2025 15:03

Tgt Ion:228 Resp: 219552
Ion Ratio Lower Upper
228 100
226 28.7 22.1 33.1
229 21.2 15.7 23.5





#83

Chrysene

Concen: 2.053 ng

RT: 21.427 min Scan# 3110

Delta R.T. -0.018 min

Lab File: BM050099.D

Acq: 05 May 2025 15:03

Instrument :

BNA_M

ClientSampleId :

SS-9

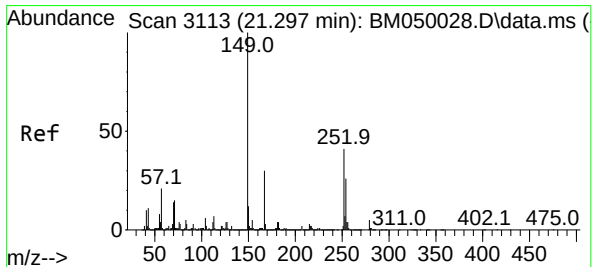
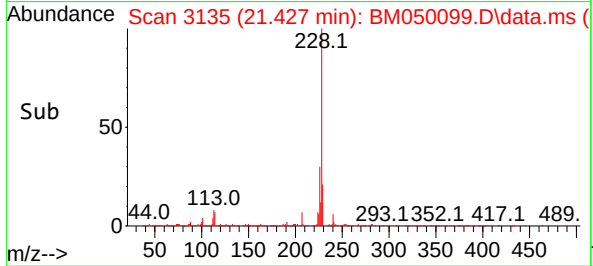
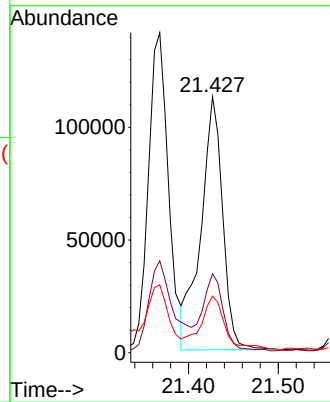
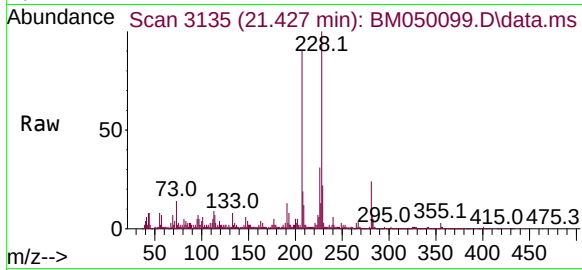
Tgt Ion:228 Resp: 190520

Ion Ratio Lower Upper

228 100

226 30.8 24.2 36.2

229 22.1 15.7 23.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.084 ng

RT: 21.280 min Scan# 3110

Delta R.T. -0.018 min

Lab File: BM050099.D

Acq: 05 May 2025 15:03

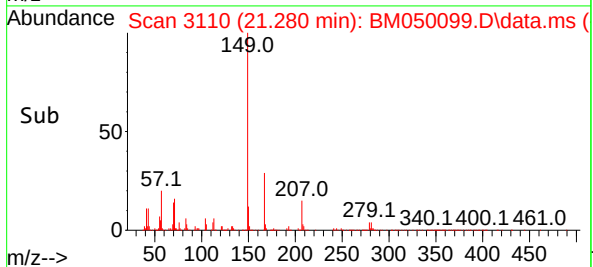
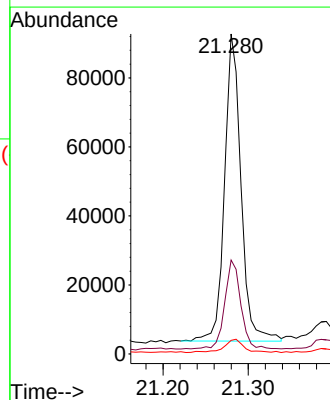
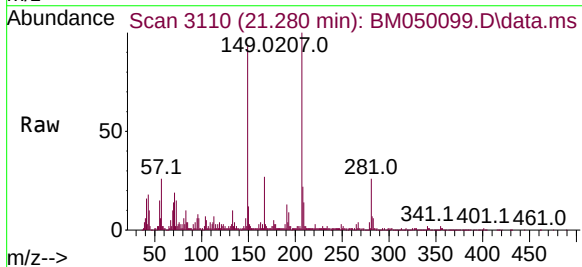
Tgt Ion:149 Resp: 119176

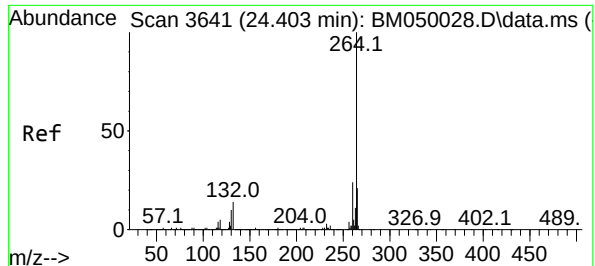
Ion Ratio Lower Upper

149 100

167 29.4 24.1 36.1

279 4.3 3.9 5.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.374 min Scan# 3

Delta R.T. -0.030 min

Lab File: BM050099.D

Acq: 05 May 2025 15:03

Instrument :

BNA_M

ClientSampleId :

SS-9

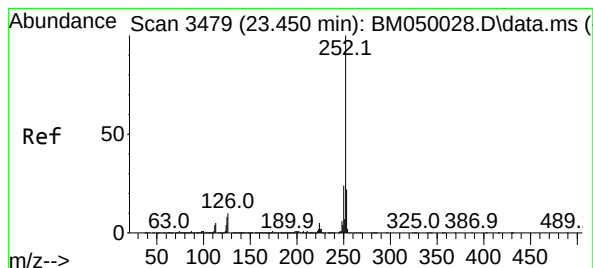
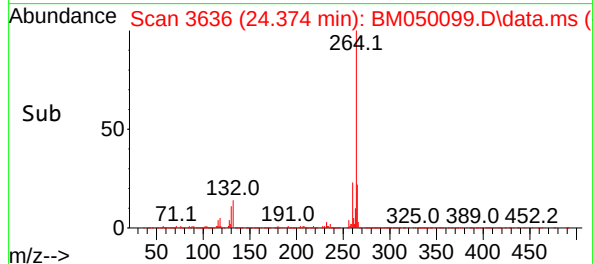
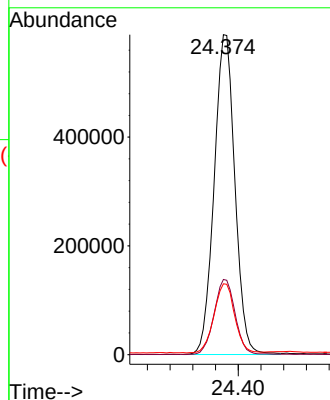
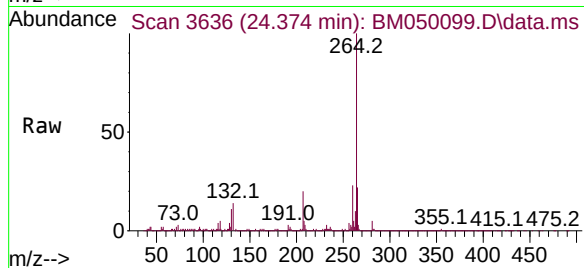
Tgt Ion:264 Resp: 1490527

Ion Ratio Lower Upper

264 100

260 23.5 18.8 28.2

265 22.2 17.0 25.4



#88

Benzo(b)fluoranthene

Concen: 2.602 ng

RT: 23.433 min Scan# 3476

Delta R.T. -0.018 min

Lab File: BM050099.D

Acq: 05 May 2025 15:03

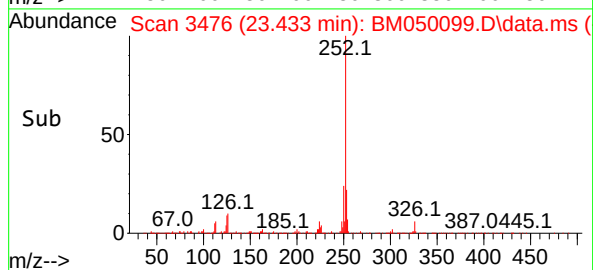
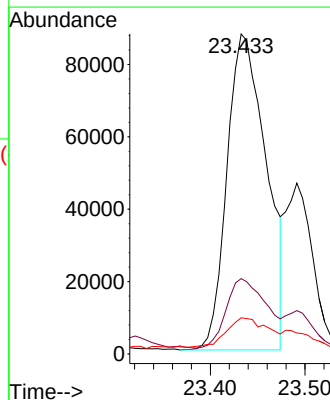
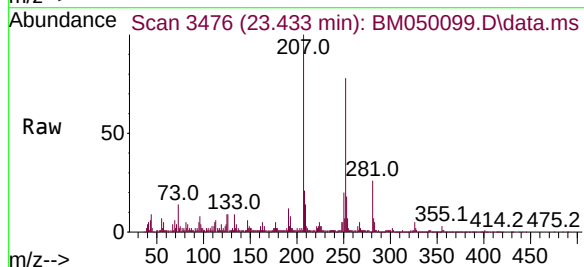
Tgt Ion:252 Resp: 252177

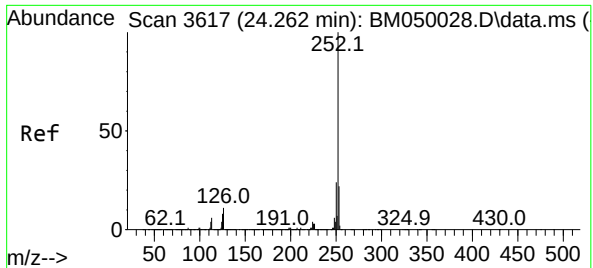
Ion Ratio Lower Upper

252 100

253 23.5 17.7 26.5

125 11.3 6.1 9.1#





#90

Benzo(a)pyrene

Concen: 2.072 ng

RT: 24.232 min Scan# 30

Delta R.T. -0.030 min

Lab File: BM050099.D

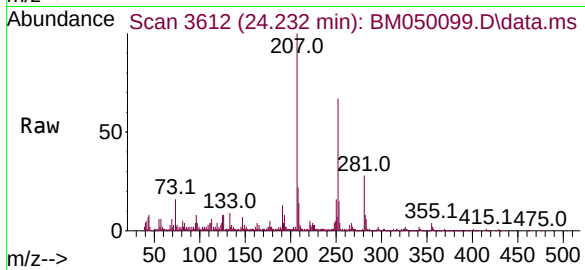
Acq: 05 May 2025 15:03

Instrument :

BNA_M

ClientSampleId :

SS-9



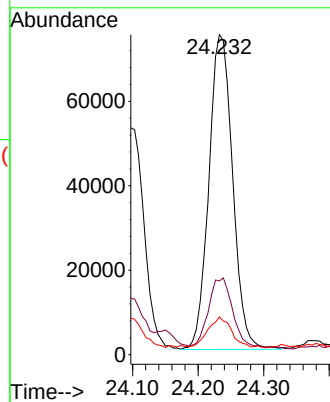
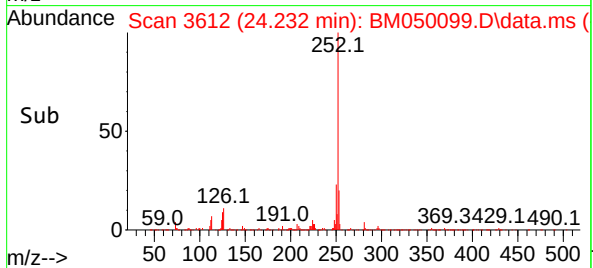
Tgt Ion:252 Resp: 188080

Ion Ratio Lower Upper

252 100

253 23.1 17.4 26.0

125 11.8 6.6 9.8#



Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	FB04282025	SDG No.:	Q1914
Lab Sample ID:	Q1914-14	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142259.D	1	04/30/25 08:35	05/01/25 14:37	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	5.20	U	0.52	5.20	ug/L
208-96-8	Acenaphthylene	5.20	U	0.78	5.20	ug/L
83-32-9	Acenaphthene	5.20	U	0.57	5.20	ug/L
86-73-7	Fluorene	5.20	U	0.66	5.20	ug/L
85-01-8	Phenanthrene	5.20	U	0.52	5.20	ug/L
120-12-7	Anthracene	5.20	U	0.64	5.20	ug/L
206-44-0	Fluoranthene	5.20	U	0.85	5.20	ug/L
129-00-0	Pyrene	5.20	U	0.52	5.20	ug/L
56-55-3	Benzo(a)anthracene	5.20	U	0.47	5.20	ug/L
218-01-9	Chrysene	5.20	U	0.46	5.20	ug/L
207-08-9	Benzo(k)fluoranthene	5.20	U	0.50	5.20	ug/L
50-32-8	Benzo(a)pyrene	5.20	U	0.57	5.20	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.20	U	0.61	5.20	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.20	U	0.70	5.20	ug/L
191-24-2	Benzo(g,h,i)perylene	5.20	U	0.72	5.20	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	88.3		49 - 133	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.7		52 - 132	76%	SPK: 100
1718-51-0	Terphenyl-d14	55.7		48 - 125	56%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	210000	6.904			
1146-65-2	Naphthalene-d8	792000	8.187			
15067-26-2	Acenaphthene-d10	384000	9.939			
1517-22-2	Phenanthrene-d10	539000	11.428			
1719-03-5	Chrysene-d12	446000	14.063			
1520-96-3	Perylene-d12	456000	15.557			

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	FB04282025	SDG No.:	Q1914
Lab Sample ID:	Q1914-14	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142259.D	1	04/30/25 08:35	05/01/25 14:37	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142259.D
Acq On : 01 May 2025 14:37
Operator : RC/JU
Sample : Q1914-14
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB04282025

Quant Time: May 01 15:05:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	209525	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	791724	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	383707	20.000	ng	-0.01
64) Phenanthrene-d10	11.428	188	539331	20.000	ng	0.00
76) Chrysene-d12	14.063	240	446045	20.000	ng	-0.01
86) Perylene-d12	15.557	264	456057	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	708463	54.001	ng	0.00
7) Phenol-d6	6.516	99	533498	33.675	ng	-0.01
23) Nitrobenzene-d5	7.463	82	1064266	88.313	ng	-0.01
42) 2,4,6-Tribromophenol	10.728	330	404329	115.588	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2059106	75.664	ng	0.00
79) Terphenyl-d14	13.016	244	1707731	55.684	ng	0.00

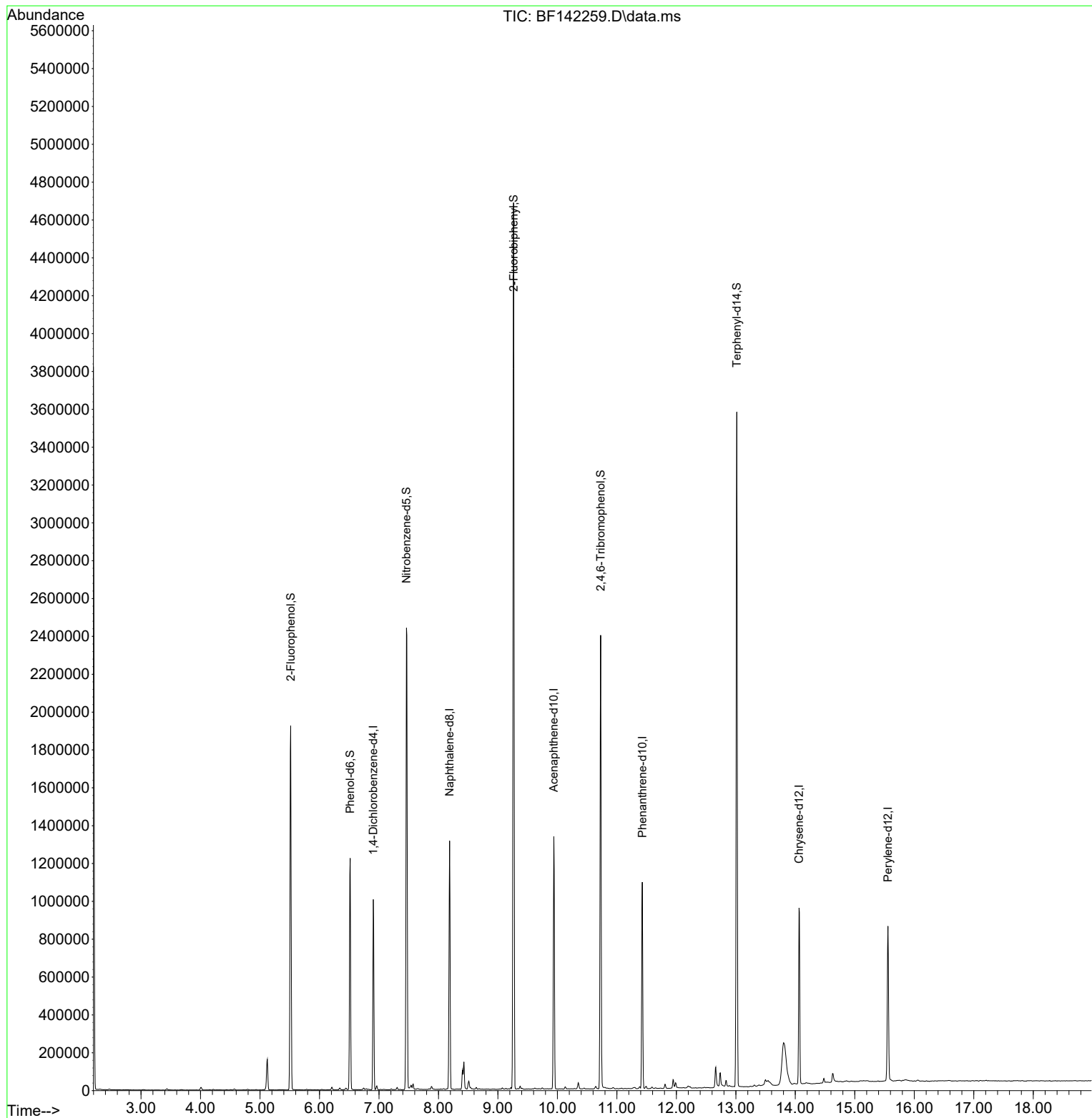
Target Compounds	Qvalue

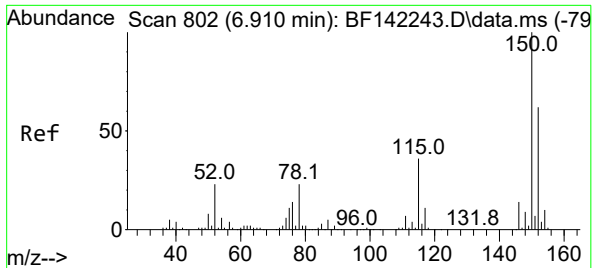
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142259.D
Acq On : 01 May 2025 14:37
Operator : RC/JU
Sample : Q1914-14
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FB04282025

Quant Time: May 01 15:05:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

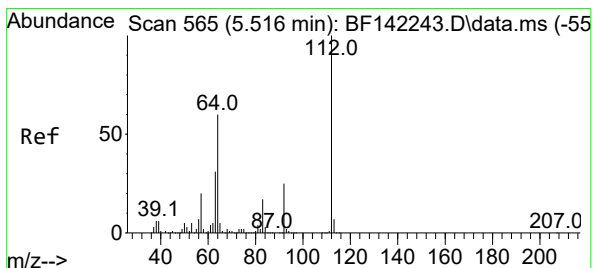
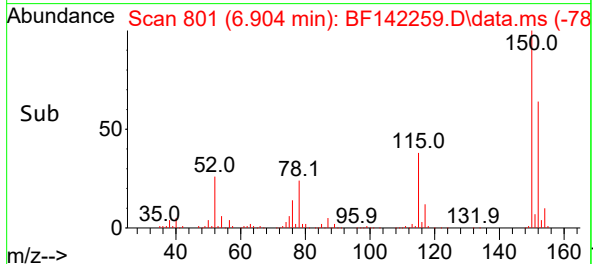
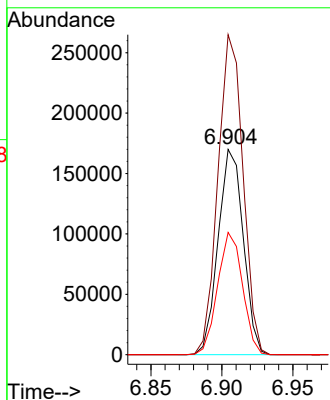
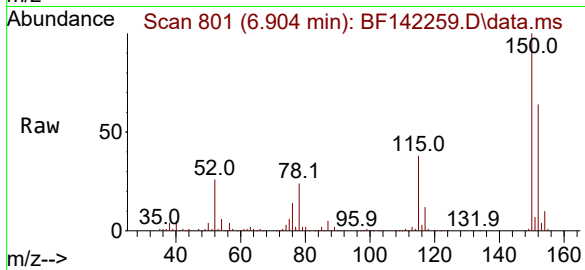




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 802
Delta R.T. -0.006 min
Lab File: BF142259.D
Acq: 01 May 2025 14:37

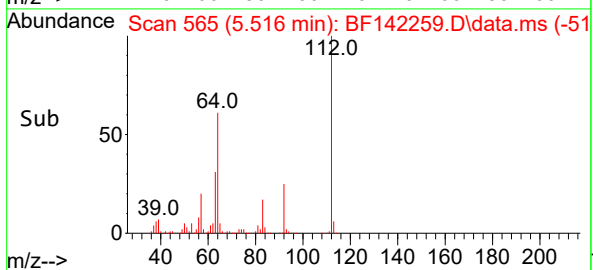
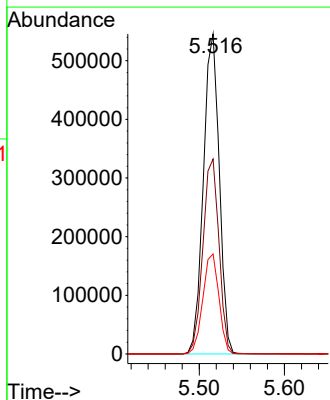
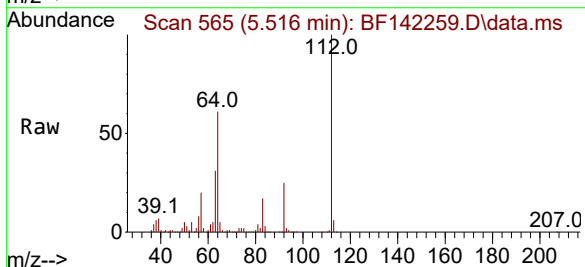
Instrument :
BNA_F
ClientSampleId :
FB04282025

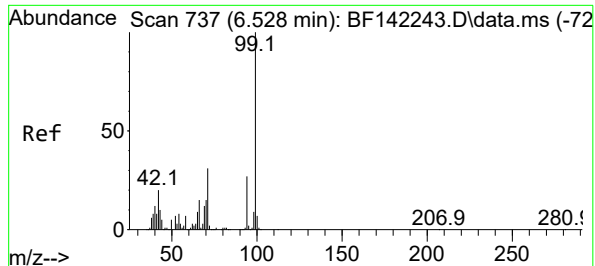
Tgt Ion:152 Resp: 209525
Ion Ratio Lower Upper
152 100
150 155.8 130.2 195.2
115 59.5 47.0 70.4



#5
2-Fluorophenol
Concen: 54.001 ng
RT: 5.516 min Scan# 565
Delta R.T. -0.000 min
Lab File: BF142259.D
Acq: 01 May 2025 14:37

Tgt Ion:112 Resp: 708463
Ion Ratio Lower Upper
112 100
64 60.9 48.4 72.6
63 31.2 24.8 37.2





#7

Phenol-d6

Concen: 33.675 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF142259.D

Acq: 01 May 2025 14:37

Instrument :

BNA_F

ClientSampleId :

FB04282025

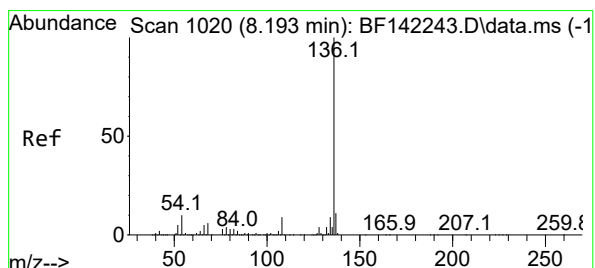
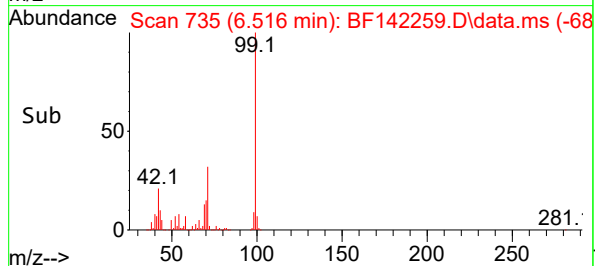
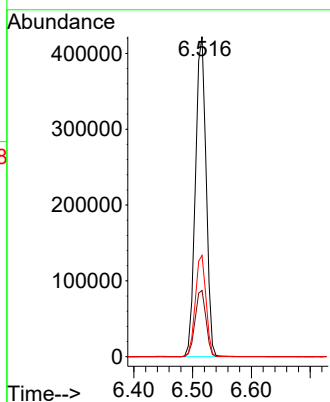
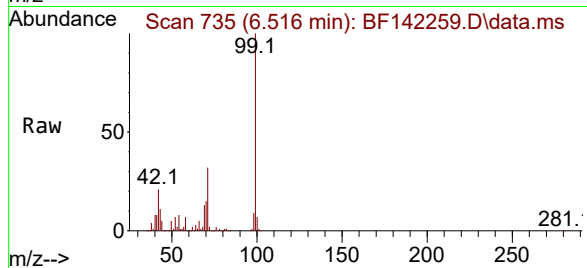
Tgt Ion: 99 Resp: 533498

Ion Ratio Lower Upper

99 100

42 20.7 16.3 24.5

71 31.7 25.0 37.4



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.187 min Scan# 1019

Delta R.T. -0.006 min

Lab File: BF142259.D

Acq: 01 May 2025 14:37

Tgt Ion: 136 Resp: 791724

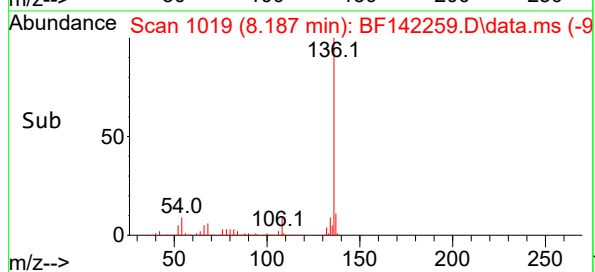
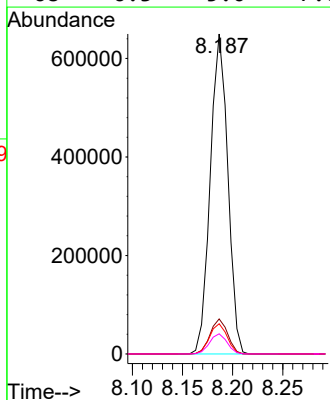
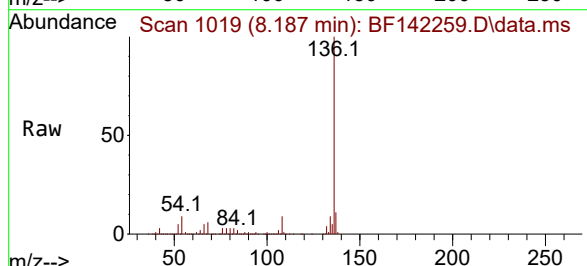
Ion Ratio Lower Upper

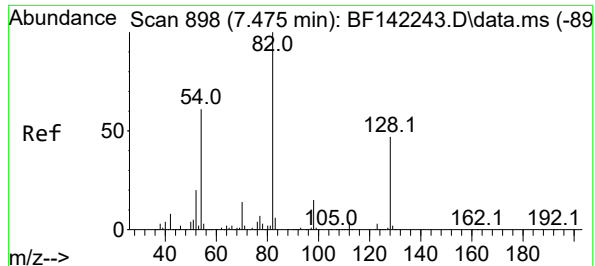
136 100

137 10.9 8.7 13.1

54 9.5 7.7 11.5

68 6.3 5.0 7.6





#23

Nitrobenzene-d5

Concen: 88.313 ng

RT: 7.463 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF142259.D

Acq: 01 May 2025 14:37

Instrument :

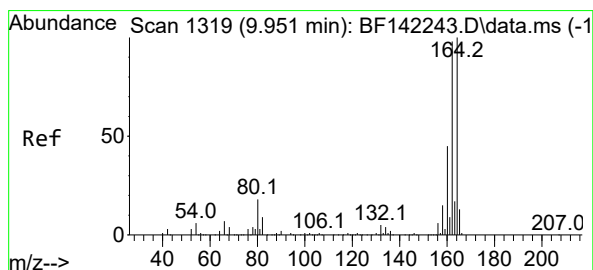
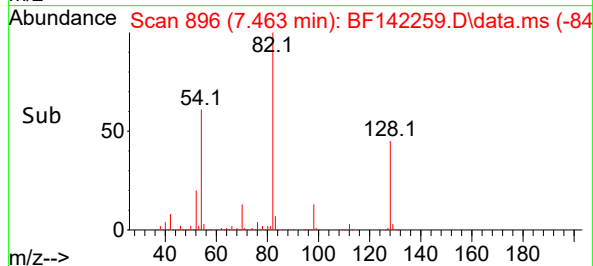
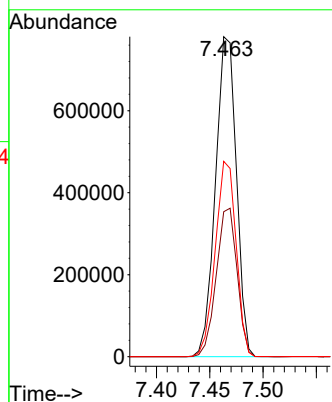
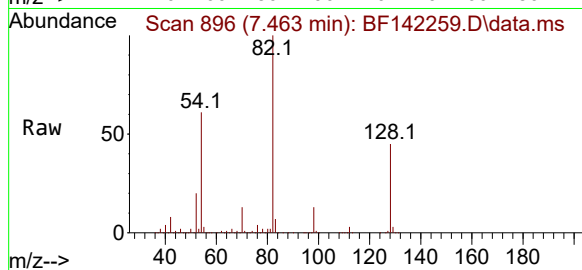
BNA_F

ClientSampleId :

FB04282025

Tgt Ion: 82 Resp: 1064266

Ion	Ratio	Lower	Upper
82	100		
128	45.3	37.0	55.6
54	61.1	48.0	72.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.939 min Scan# 1317

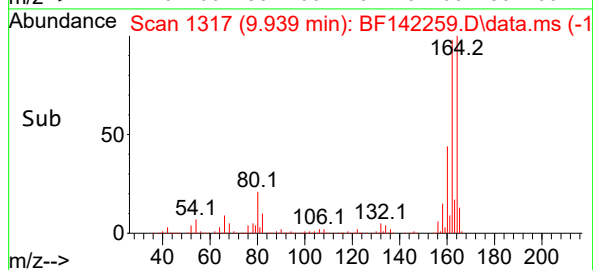
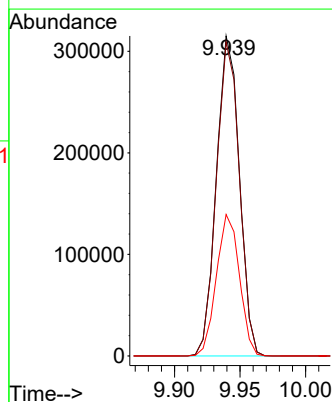
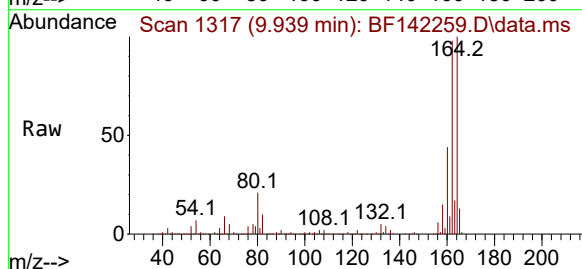
Delta R.T. -0.012 min

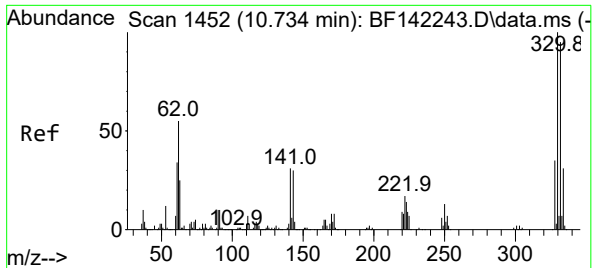
Lab File: BF142259.D

Acq: 01 May 2025 14:37

Tgt Ion: 164 Resp: 383707

Ion	Ratio	Lower	Upper
164	100		
162	98.0	78.6	117.8
160	44.2	35.7	53.5





#42

2,4,6-Tribromophenol

Concen: 115.588 ng

RT: 10.728 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF142259.D

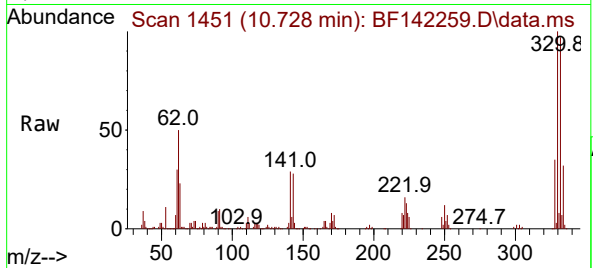
Acq: 01 May 2025 14:37

Instrument :

BNA_F

ClientSampleId :

FB04282025



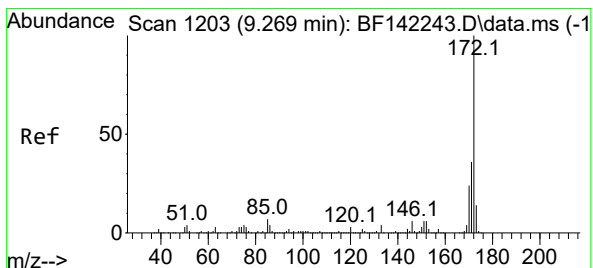
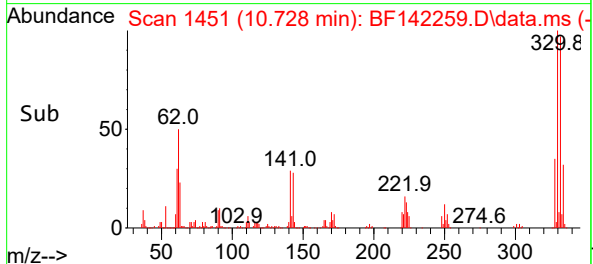
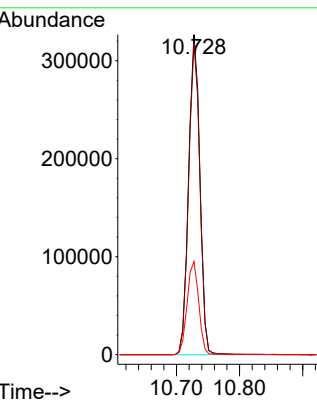
Tgt Ion:330 Resp: 404329

Ion Ratio Lower Upper

330 100

332 97.3 76.5 114.7

141 30.0 24.3 36.5



#45

2-Fluorobiphenyl

Concen: 75.664 ng

RT: 9.263 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF142259.D

Acq: 01 May 2025 14:37

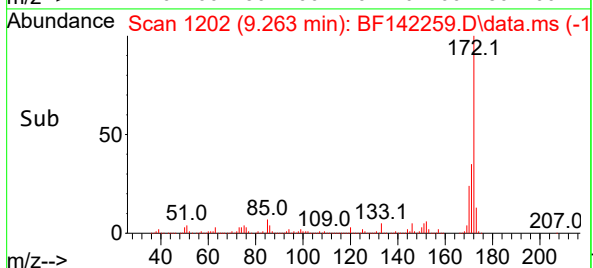
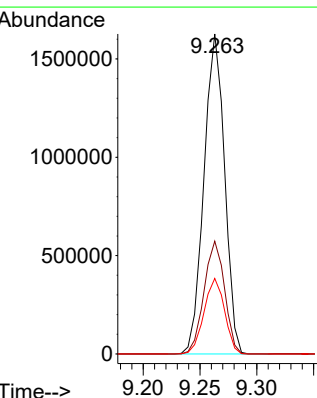
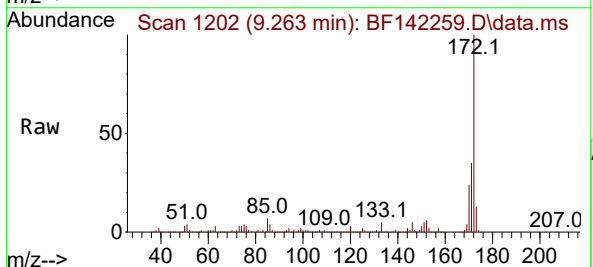
Tgt Ion:172 Resp: 2059106

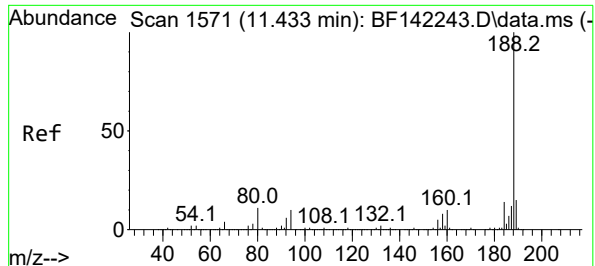
Ion Ratio Lower Upper

172 100

171 35.3 29.0 43.4

170 23.6 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.428 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142259.D

Acq: 01 May 2025 14:37

Instrument :

BNA_F

ClientSampleId :

FB04282025

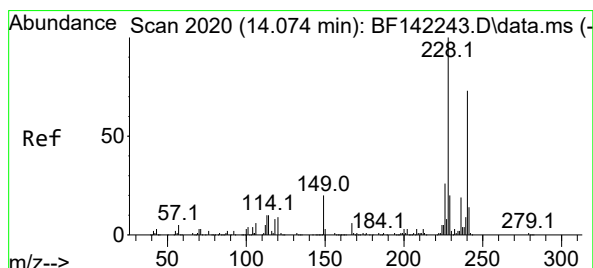
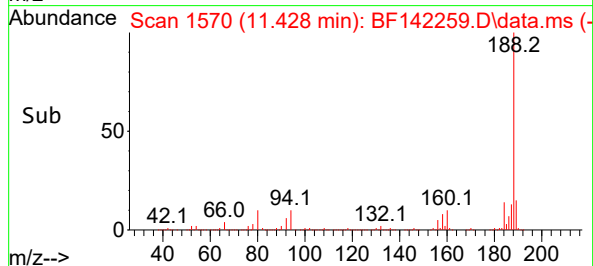
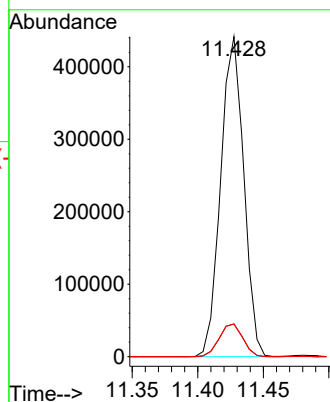
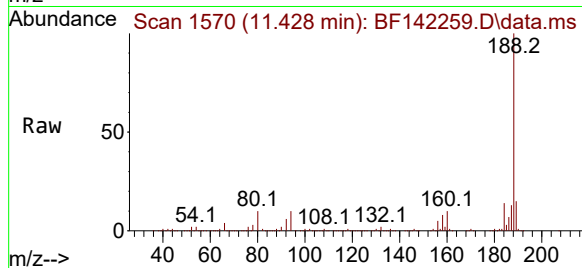
Tgt Ion:188 Resp: 539331

Ion Ratio Lower Upper

188 100

94 10.2 8.2 12.2

80 10.2 8.6 12.8



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF142259.D

Acq: 01 May 2025 14:37

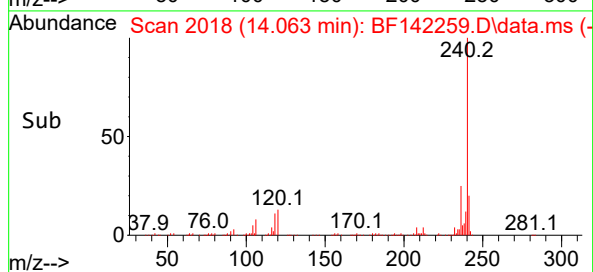
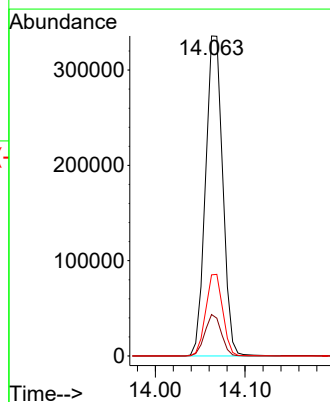
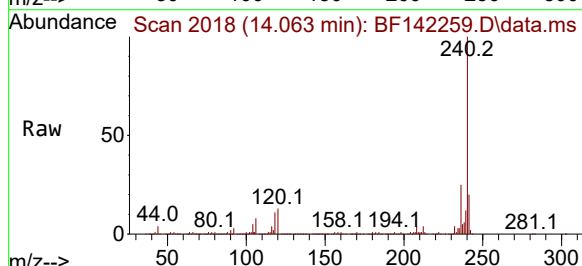
Tgt Ion:240 Resp: 446045

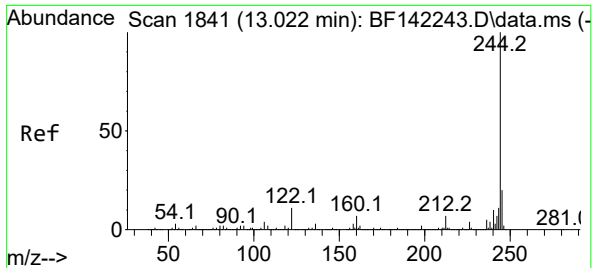
Ion Ratio Lower Upper

240 100

120 13.0 10.1 15.1

236 25.4 20.5 30.7





#79

Terphenyl-d14

Concen: 55.684 ng

RT: 13.016 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF142259.D

Acq: 01 May 2025 14:37

Instrument :

BNA_F

ClientSampleId :

FB04282025

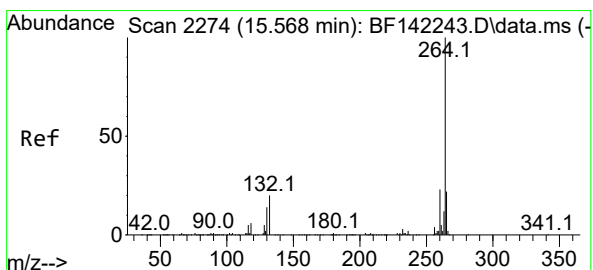
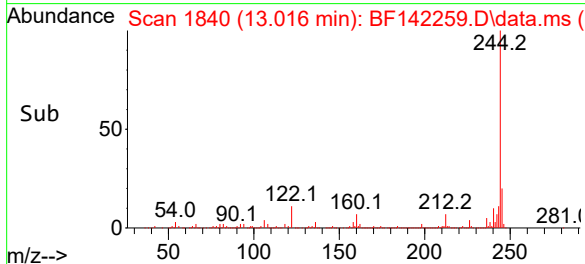
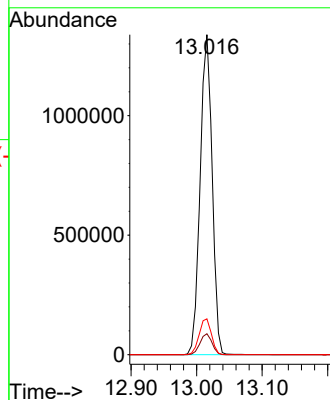
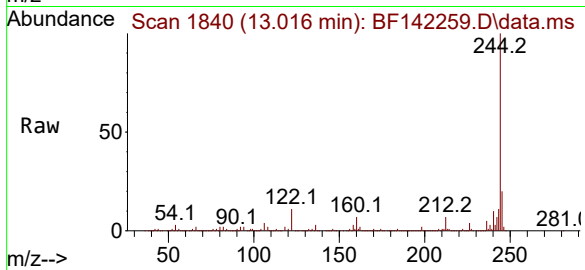
Tgt Ion:244 Resp: 1707731

Ion Ratio Lower Upper

244 100

212 6.6 5.3 7.9

122 11.2 9.1 13.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

Delta R.T. -0.012 min

Lab File: BF142259.D

Acq: 01 May 2025 14:37

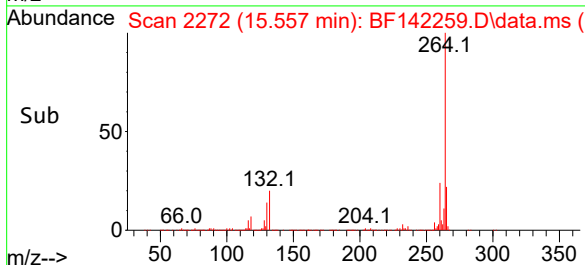
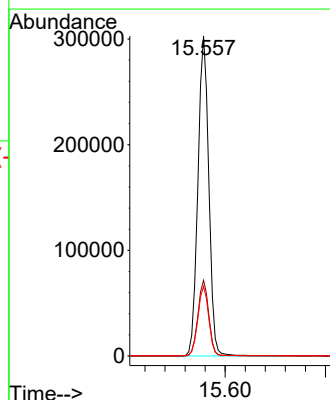
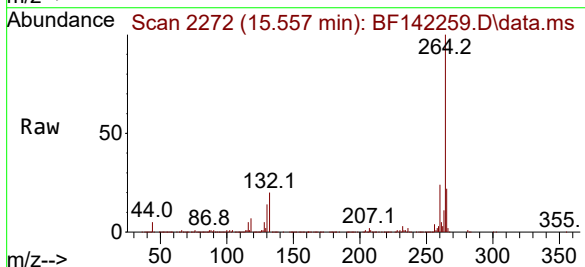
Tgt Ion:264 Resp: 456057

Ion Ratio Lower Upper

264 100

260 23.6 18.4 27.6

265 21.7 17.3 25.9





CALIBRATION SUMMARY



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG No.: Q1914
 Instrument ID: BNA_F Calibration Date(s): 04/30/2025 04/30/2025
 Calibration Time(s): 11:24 14:43

LAB FILE ID:		RRF2.5 = BF142239.D		RRF005 = BF142240.D		RRF010 = BF142241.D		
		RRF020 = BF142242.D		RRF040 = BF142243.D		RRF050 = BF142244.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.324	1.238	1.265	1.314	1.285	1.252	5.3
Phenol-d6		1.559	1.505	1.534	1.593	1.550	1.512	4.9
Nitrobenzene-d5		0.217	0.251	0.302	0.340	0.351	0.304	16.9
Naphthalene		1.106	1.040	1.035	1.020	0.999	0.997	8.2
2-Fluorobiphenyl		1.738	1.580	1.520	1.409	1.347	1.418	15.1
Acenaphthylene		2.149	2.025	2.025	1.997	1.965	1.952	7.9
Acenaphthene		1.271	1.175	1.156	1.172	1.138	1.140	7.6
Fluorene		1.493	1.403	1.351	1.317	1.273	1.299	10.7
2,4,6-Tribromophenol		0.139	0.158	0.184	0.204	0.205	0.182	13.7
Phenanthrene		1.218	1.114	1.119	1.112	1.064	1.080	8.5
Anthracene		1.209	1.161	1.151	1.128	1.099	1.105	7.8
Fluoranthene		1.221	1.144	1.155	1.085	1.035	1.068	11.2
Pyrene		1.833	1.801	1.849	2.026	1.937	1.845	6.5
Terphenyl-d14		1.472	1.413	1.422	1.481	1.392	1.375	8.4
Benzo (a) anthracene		1.379	1.320	1.332	1.438	1.388	1.343	5.1
Chrysene		1.302	1.210	1.249	1.232	1.227	1.222	4.1
Benzo (k) fluoranthene		1.211	1.159	1.222	1.145	1.146	1.136	7.6
Benzo (a) pyrene		1.121	1.098	1.146	1.203	1.180	1.137	3.9
Indeno (1,2,3-cd) pyrene		1.323	1.384	1.466	1.613	1.556	1.465	6.8
Dibenzo (a,h) anthracene		1.075	1.131	1.197	1.312	1.271	1.189	6.9
Benzo (g,h,i) perylene		1.076	1.138	1.204	1.308	1.267	1.195	6.6

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF043025.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Wed Apr 30 16:00:01 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BF142239.D 5 =BF142240.D 10 =BF142241.D 20 =BF142242.D 40 =BF142243.D 50 =BF142244.D 60 =BF142245.D 80 =BF142246.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane	0.563	0.534	0.561	0.592	0.580	0.555	0.530	0.559		4.03
3)	Pyridine	1.465	1.391	1.454	1.522	1.503	1.460	1.380	1.454		3.62
4)	n-Nitrosodimet...	0.747	0.699	0.728	0.807	0.789	0.766	0.731	0.752		4.95
5) S	2-Fluorophenol	1.324	1.238	1.265	1.314	1.285	1.210	1.131	1.252		5.35
6)	Aniline	2.212	2.085	2.157	2.245	2.203	2.101	1.981	2.140		4.29
7) S	Phenol-d6	1.559	1.505	1.534	1.593	1.550	1.475	1.370	1.512		4.85
8)	2-Chlorophenol	1.252	1.232	1.304	1.379	1.354	1.313	1.225	1.294		4.64
9)	Benzaldehyde	1.154	1.088	1.095	1.117	1.078	0.993	0.875	1.057		8.91
10) C	Phenol	1.679	1.588	1.657	1.715	1.687	1.603	1.468	1.628		5.15
11)	bis(2-Chloroet...	1.345	1.250	1.270	1.318	1.285	1.231	1.132	1.262		5.46
12)	1,3-Dichlorobe...	1.571	1.485	1.485	1.533	1.478	1.396	1.299	1.464		6.18
13) C	1,4-Dichlorobe...	1.610	1.486	1.495	1.546	1.488	1.404	1.295	1.475		6.86
14)	1,2-Dichlorobe...	1.489	1.418	1.431	1.475	1.432	1.356	1.255	1.408		5.67
15)	Benzyl Alcohol	1.047	1.017	1.064	1.149	1.126	1.082	1.023	1.073		4.69
16)	2,2'-oxybis(1-...	2.368	2.287	2.303	2.386	2.344	2.216	2.043	2.278		5.19
17)	2-Methylphenol	1.085	1.029	1.068	1.121	1.084	1.050	0.983	1.060		4.19
18)	Hexachloroethane	0.468	0.466	0.481	0.511	0.514	0.489	0.451	0.483		4.84
19) P	n-Nitroso-di-n...	0.953	0.987	0.937	0.949	0.967	0.939	0.898	0.844	0.934	4.77
20)	3+4-Methylphenols	1.357	1.323	1.372	1.400	1.366	1.296	1.166	1.326		5.90
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone	0.511	0.482	0.483	0.468	0.461	0.430	0.404	0.463		7.70
23) S	Nitrobenzene-d5	0.217	0.251	0.302	0.340	0.351	0.339	0.330	0.304		16.88
24)	Nitrobenzene	0.229	0.261	0.297	0.328	0.338	0.323	0.314	0.299		13.31
25)	Isophorone	0.660	0.630	0.642	0.660	0.654	0.626	0.601	0.639		3.36
26) C	2-Nitrophenol	0.048	0.057	0.083	0.115	0.132	0.136	0.142	0.102		38.38#
27)	2,4-Dimethylph...	0.315	0.319	0.333	0.337	0.333	0.315	0.302	0.322		3.96
28)	bis(2-Chloroet...	0.425	0.404	0.414	0.415	0.410	0.386	0.366	0.403		4.98
29) C	2,4-Dichloroph...	0.246	0.253	0.274	0.291	0.286	0.272	0.263	0.269		6.12
30)	1,2,4-Trichlor...	0.320	0.303	0.305	0.312	0.304	0.287	0.273	0.301		5.28
31)	Naphthalene	1.106	1.040	1.035	1.020	0.999	0.924	0.858	0.997		8.21
32)	Benzoic acid		0.048	0.087	0.130	0.146	0.159	0.179	0.125		39.24
33)	4-Chloroaniline	0.446	0.414	0.429	0.429	0.423	0.396	0.371	0.415		5.98
34) C	Hexachlorobuta...	0.180	0.175	0.179	0.185	0.178	0.170	0.161	0.175		4.35
35)	Caprolactam	0.068	0.073	0.081	0.087	0.089	0.085	0.083	0.081		9.45
36) C	4-Chloro-3-met...	0.262	0.265	0.279	0.295	0.293	0.276	0.266	0.277		4.84
37)	2-Methylnaphth...	0.679	0.637	0.633	0.623	0.612	0.574	0.534	0.613		7.69
38)	1-Methylnaphth...	0.700	0.655	0.667	0.652	0.641	0.590	0.542	0.635		8.29

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
 Method File : 8270-BF043025.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.621	0.575	0.572	0.576	0.566	0.534	0.496	0.563	6.88	
41) P	Hexachlorocycl...	0.244	0.265	0.306	0.352	0.368	0.358	0.343	0.319	15.23	
42) S	2,4,6-Tribromo...	0.139	0.158	0.184	0.204	0.205	0.197	0.190	0.182	13.73	
43) C	2,4,6-Trichlor...	0.275	0.329	0.353	0.370	0.375	0.381	0.357	0.349	10.50	
44)	2,4,5-Trichlor...	0.322	0.330	0.362	0.404	0.411	0.371	0.365	0.367	9.17	
45) S	2-Fluorobiphenyl	1.738	1.580	1.520	1.409	1.347	1.221	1.114	1.418	15.11	
46)	1,1'-Biphenyl	1.773	1.621	1.612	1.581	1.547	1.435	1.316	1.555	9.38	
47)	2-Chloronaphth...	1.289	1.176	1.191	1.185	1.157	1.085	1.014	1.157	7.51	
48)	2-Nitroaniline	0.119	0.156	0.228	0.295	0.316	0.315	0.316	0.249	33.25	
49)	Acenaphthylene	2.149	2.025	2.025	1.997	1.965	1.828	1.675	1.952	7.93	
50)	Dimethylphthalate	1.362	1.284	1.301	1.321	1.309	1.227	1.152	1.280	5.42	
51)	2,6-Dinitrotol...	0.098	0.137	0.193	0.241	0.259	0.254	0.249	0.204	31.45	
52) C	Acenaphthene	1.271	1.175	1.156	1.172	1.138	1.072	0.995	1.140	7.63	
53)	3-Nitroaniline	0.143	0.187	0.252	0.298	0.311	0.310	0.299	0.257	26.09	
54) P	2,4-Dinitrophenol		0.025	0.036	0.057	0.069	0.076	0.085	0.058	40.36	
55)	Dibenzofuran	1.930	1.775	1.751	1.743	1.713	1.581	1.466	1.709	8.67	
56) P	4-Nitrophenol		0.131	0.177	0.216	0.233	0.230	0.220	0.201	19.82	
57)	2,4-Dinitrotol...	0.104	0.145	0.213	0.285	0.311	0.309	0.306	0.239	35.96	
58)	Fluorene	1.493	1.403	1.351	1.317	1.273	1.186	1.071	1.299	10.74	
59)	2,3,4,6-Tetrac...	0.252	0.267	0.312	0.334	0.334	0.323	0.305	0.304	10.65	
60)	Diethylphthalate	1.324	1.264	1.302	1.313	1.300	1.215	1.126	1.263	5.61	
61)	4-Chlorophenyl...	0.702	0.642	0.632	0.632	0.614	0.570	0.526	0.617	9.06	
62)	4-Nitroaniline	0.144	0.177	0.233	0.272	0.287	0.281	0.269	0.238	23.57	
63)	Azobenzene	1.346	1.260	1.275	1.279	1.278	1.198	1.098	1.248	6.33	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.022	0.034	0.055	0.065	0.071	0.075	0.054	39.23	
66) c	n-Nitrosodiphe...	0.727	0.686	0.693	0.712	0.689	0.653	0.623	0.683	5.11	
67)	4-Bromophenyl-...	0.224	0.219	0.223	0.236	0.225	0.220	0.211	0.223	3.39	
68)	Hexachlorobenzene	0.256	0.245	0.248	0.261	0.255	0.244	0.237	0.249	3.28	
69)	Atrazine	0.166	0.172	0.186	0.190	0.190	0.182	0.174	0.180	5.29	
70) C	Pentachlorophenol		0.093	0.121	0.144	0.145	0.144	0.144	0.132	16.25	
71)	Phenanthrene	1.218	1.114	1.119	1.112	1.064	0.995	0.940	1.080	8.45	
72)	Anthracene	1.209	1.161	1.151	1.128	1.099	1.025	0.959	1.105	7.77	
73)	Carbazole	1.125	1.047	1.061	1.033	0.996	0.935	0.857	1.008	8.77	
74)	Di-n-butylphth...	0.986	1.006	1.088	1.069	1.045	0.988	0.912	1.013	5.88	
75) C	Fluoranthene	1.221	1.144	1.155	1.085	1.035	0.957	0.878	1.068	11.24	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.702	0.748	0.885	0.963	0.945	0.895	0.810	0.850	11.67	
78)	Pyrene	1.833	1.801	1.849	2.026	1.937	1.833	1.635	1.845	6.54	
79) S	Terphenyl-d14	1.472	1.413	1.422	1.481	1.392	1.290	1.155	1.375	8.41	
80)	Butylbenzylphth...	0.218	0.293	0.405	0.505	0.525	0.524	0.509	0.425	29.32	
81)	Benzo(a)anthra...	1.379	1.320	1.332	1.438	1.388	1.316	1.225	1.343	5.06	
82)	3,3'-Dichlorob...	0.286	0.317	0.380	0.442	0.450	0.451	0.435	0.394	17.37	
83)	Chrysene	1.302	1.210	1.249	1.232	1.227	1.197	1.138	1.222	4.12	
84)	Bis(2-ethylhex...	0.384	0.448	0.549	0.695	0.726	0.722	0.707	0.604	23.69	
85) c	Di-n-octyl pht...		0.668	0.875	1.262	1.320	1.347	1.329	1.133	25.55	

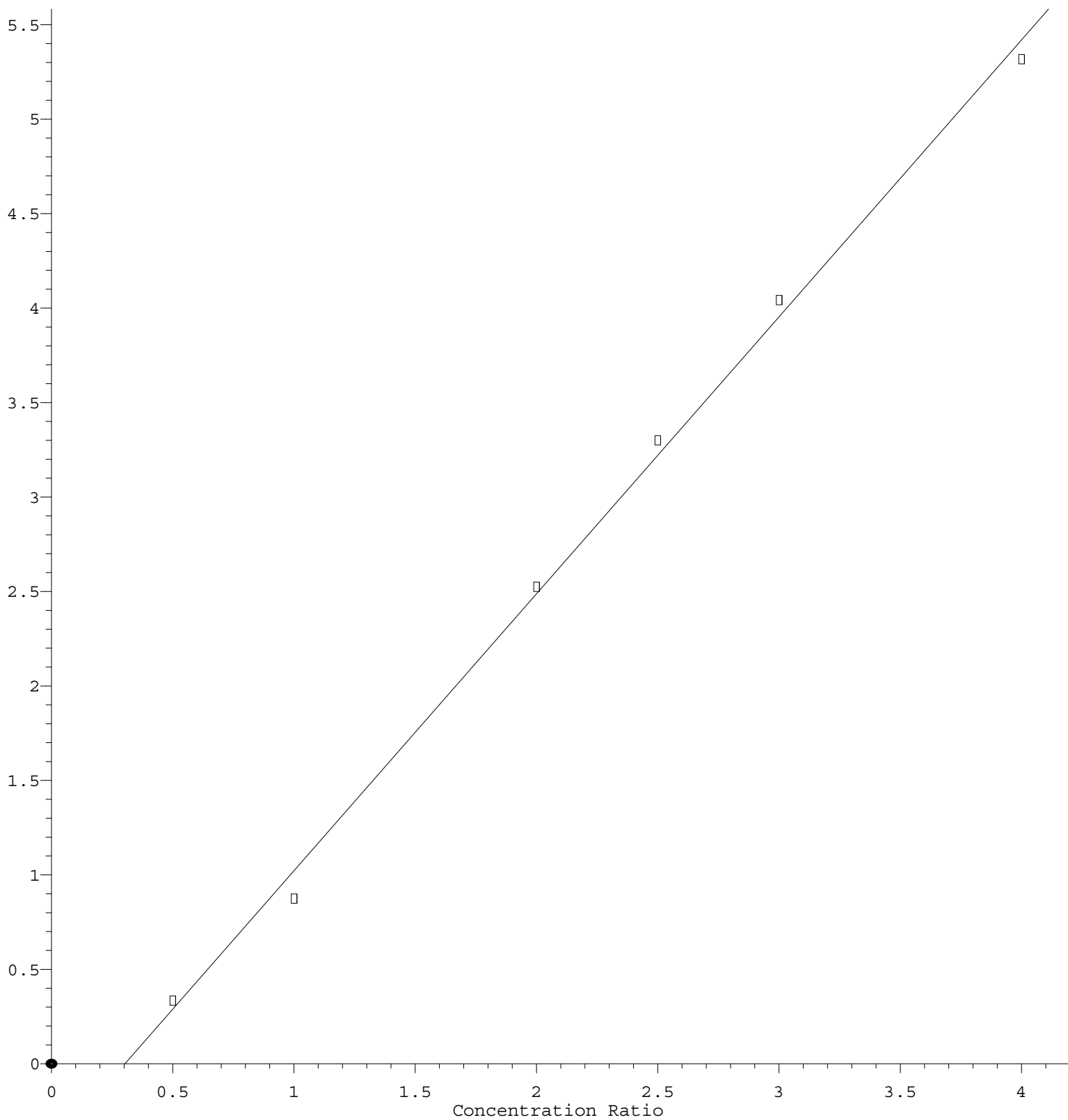
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF043025.M

86) I	Perylene-d12	-----ISTD-----	
87)	Indeno(1,2,3-c...	1.323 1.384 1.466 1.613 1.556 1.490 1.422 1.465	6.78
88)	Benzo(b)fluora...	1.317 1.220 1.208 1.302 1.271 1.177 1.202 1.242	4.36
89)	Benzo(k)fluora...	1.211 1.159 1.222 1.145 1.146 1.110 0.962 1.136	7.59
90) C	Benzo(a)pyrene	1.121 1.098 1.146 1.203 1.180 1.137 1.076 1.137	3.91
91)	Dibenzo(a,h)an...	1.075 1.131 1.197 1.312 1.271 1.192 1.144 1.189	6.90
92)	Benzo(g,h,i)pe...	1.076 1.138 1.204 1.308 1.267 1.213 1.162 1.195	6.55

(#) = Out of Range

Di-n-octyl phthalate

Response Ratio



$$\text{Response} = 1.466\text{e}+000 * \text{Amt} - 4.448\text{e}-001$$

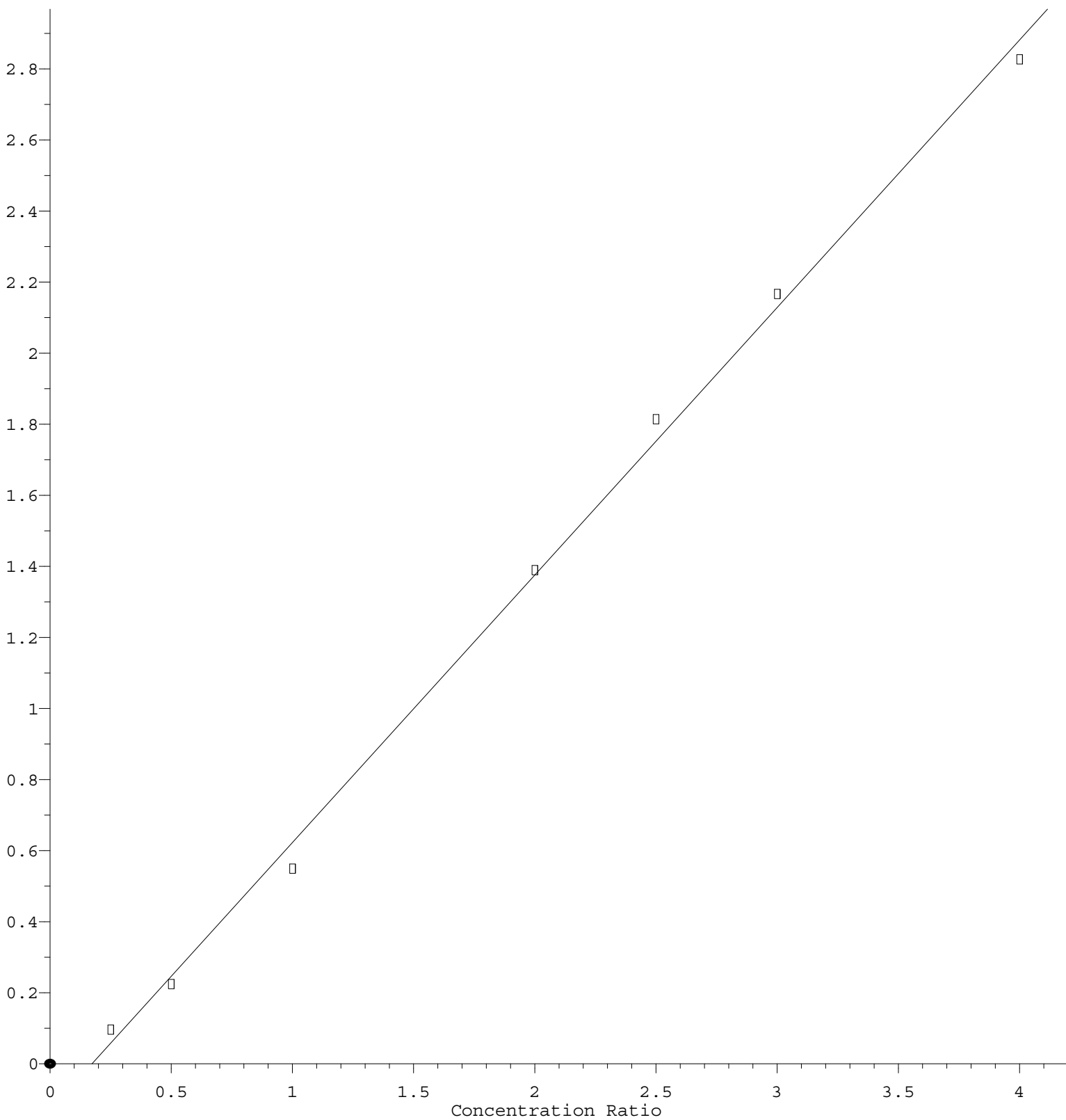
Coef of Det (r^2) = 0.997236 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M

Calibration Table Last Updated: Wed Apr 30 16:00:01 2025

Bis(2-ethylhexyl)phthalate

Response Ratio



$$\text{Response} = 7.529\text{e-}001 * \text{Amt} - 1.300\text{e-}001$$

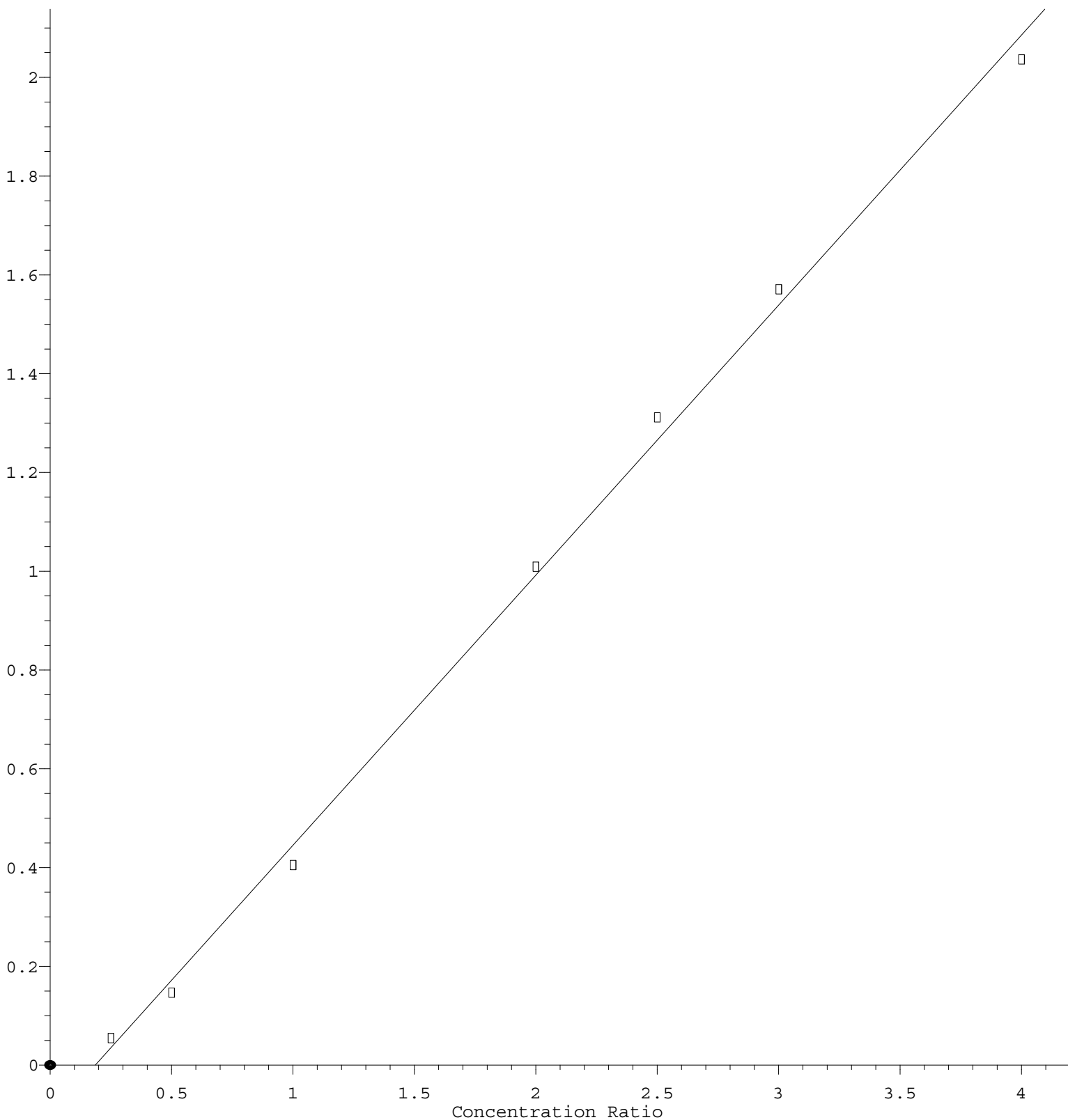
Coef of Det (r^2) = 0.997585 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M

Calibration Table Last Updated: Wed Apr 30 16:00:01 2025

Butylbenzylphthalate

Response Ratio



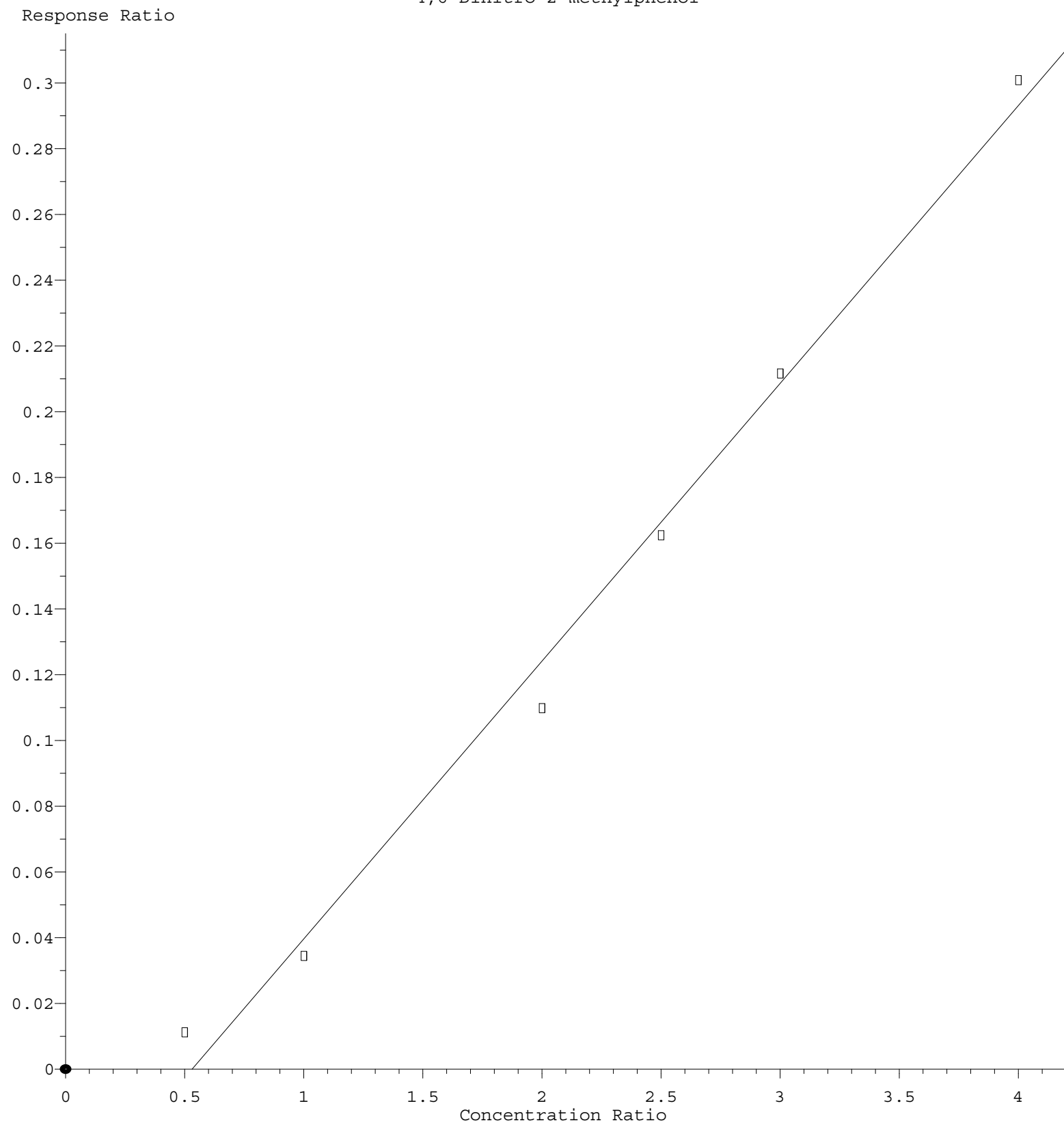
$$\text{Response} = 5.468\text{e-}001 * \text{Amt} - 1.016\text{e-}001$$

Coef of Det (r^2) = 0.997533 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M

Calibration Table Last Updated: Wed Apr 30 16:00:01 2025

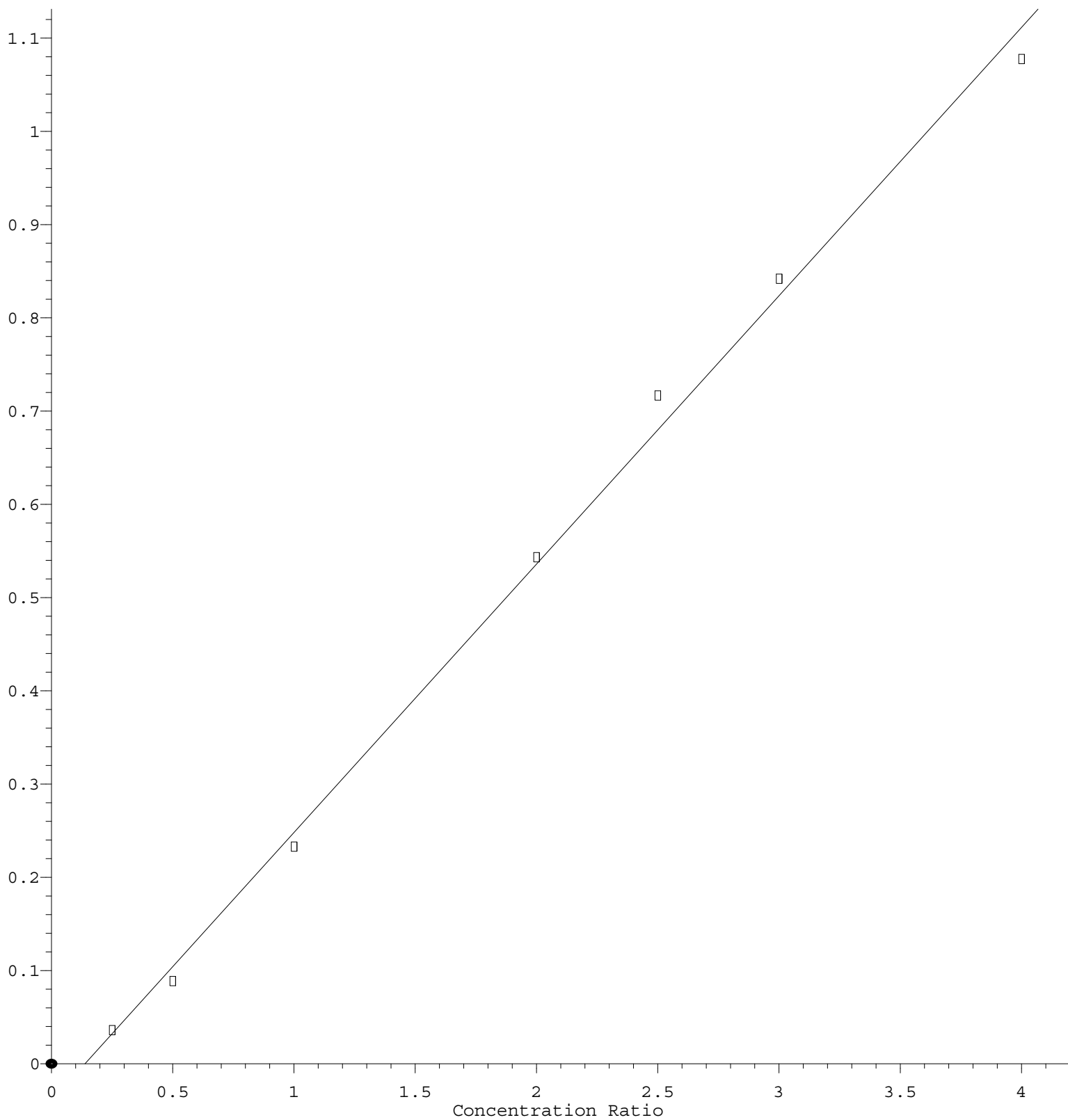
4,6-Dinitro-2-methylphenol



Response = $8.458 \times 10^{-2} \times \text{Amt} - 4.487 \times 10^{-2}$
Coef of Det (r^2) = 0.991555 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M
Calibration Table Last Updated: Wed Apr 30 16:00:01 2025

4-Nitroaniline

Response Ratio



$$\text{Response} = 2.879\text{e-}001 * \text{Amt} - 3.958\text{e-}002$$

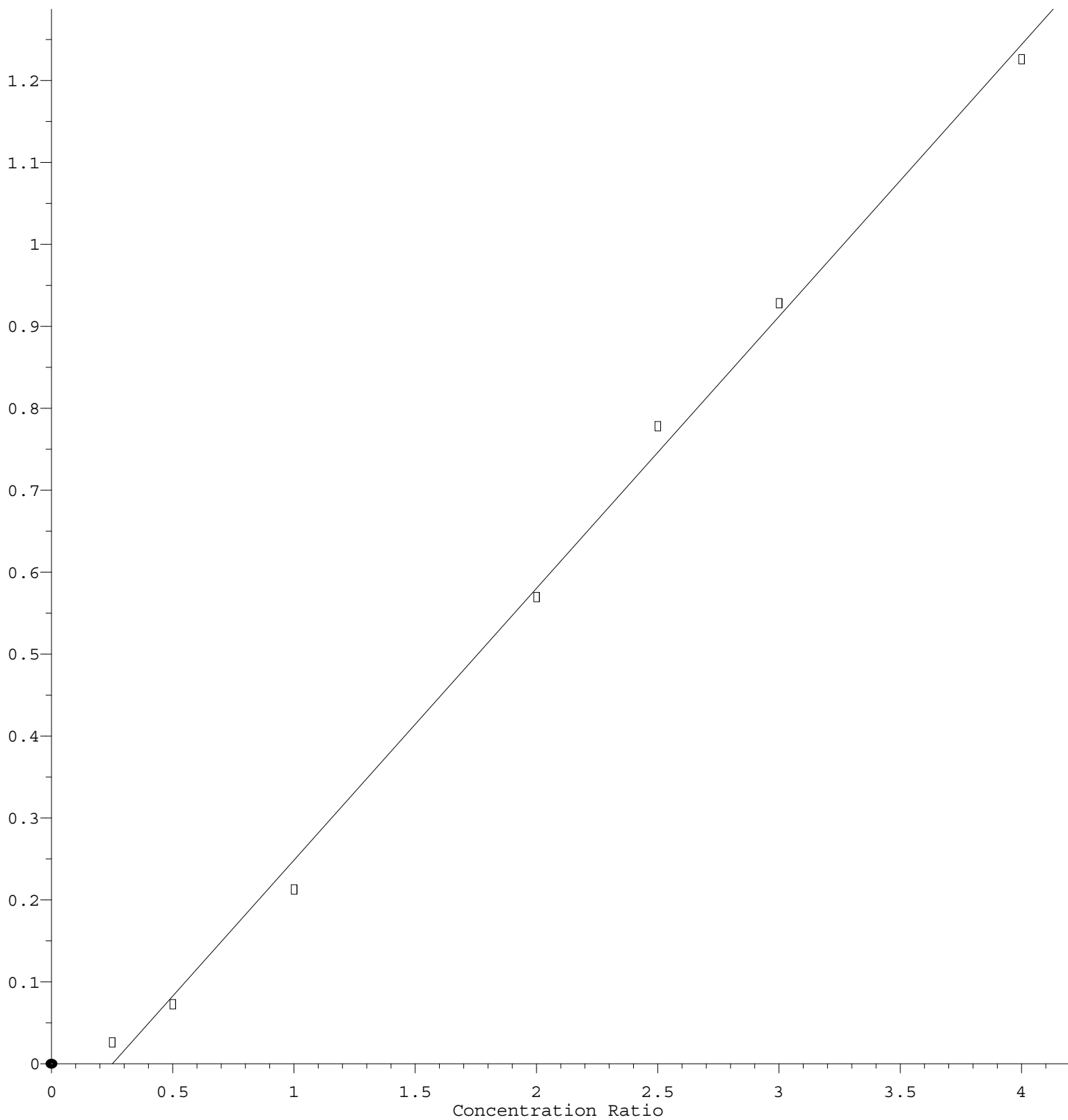
Coef of Det (r^2) = 0.996450 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M

Calibration Table Last Updated: Wed Apr 30 16:00:01 2025

2,4-Dinitrotoluene

Response Ratio



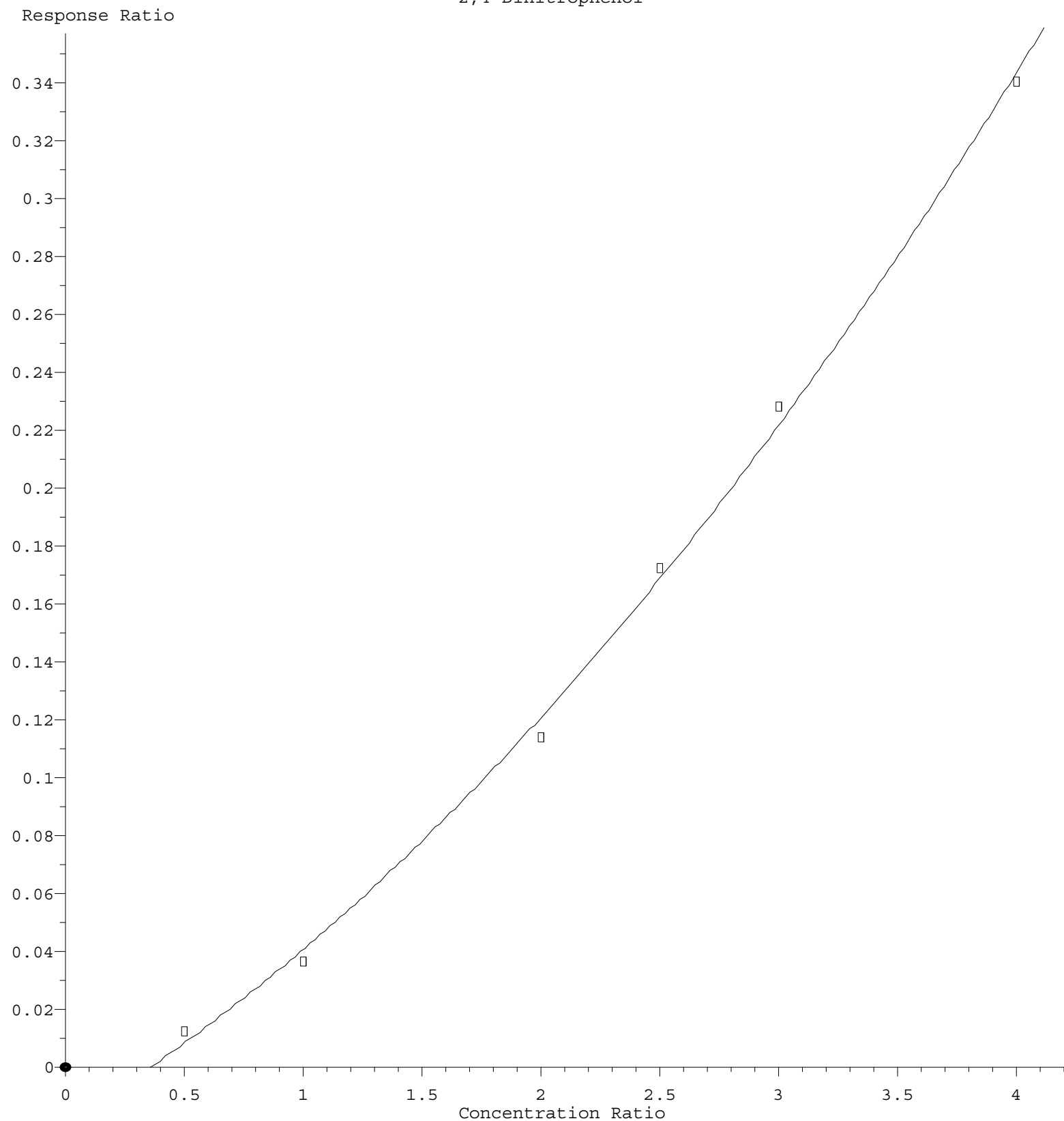
$$\text{Response} = 3.318\text{e-}001 * \text{Amt} - 8.340\text{e-}002$$

Coef of Det (r^2) = 0.997011 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M

Calibration Table Last Updated: Wed Apr 30 16:00:01 2025

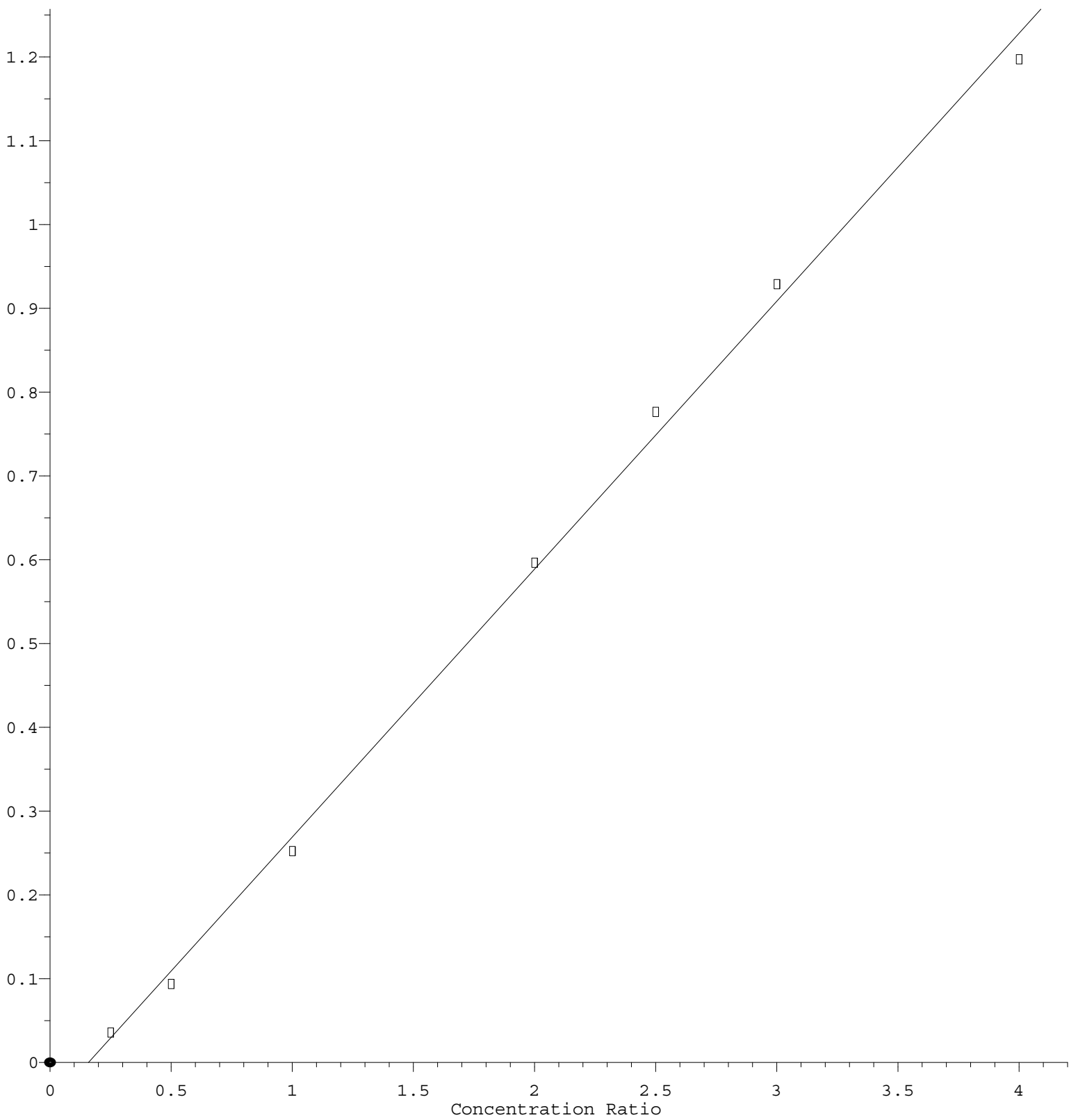
2,4-Dinitrophenol



$R = 1.037e-002 A^2 + 4.909e-002 A - 1.884e-002$
 Coef of Det (r^2) = 0.998097 Curve Fit: Quadratic
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M
 Calibration Table Last Updated: Wed Apr 30 16:00:01 2025

3-Nitroaniline

Response Ratio



$$\text{Response} = 3.198\text{e-}001 * \text{Amt} - 5.099\text{e-}002$$

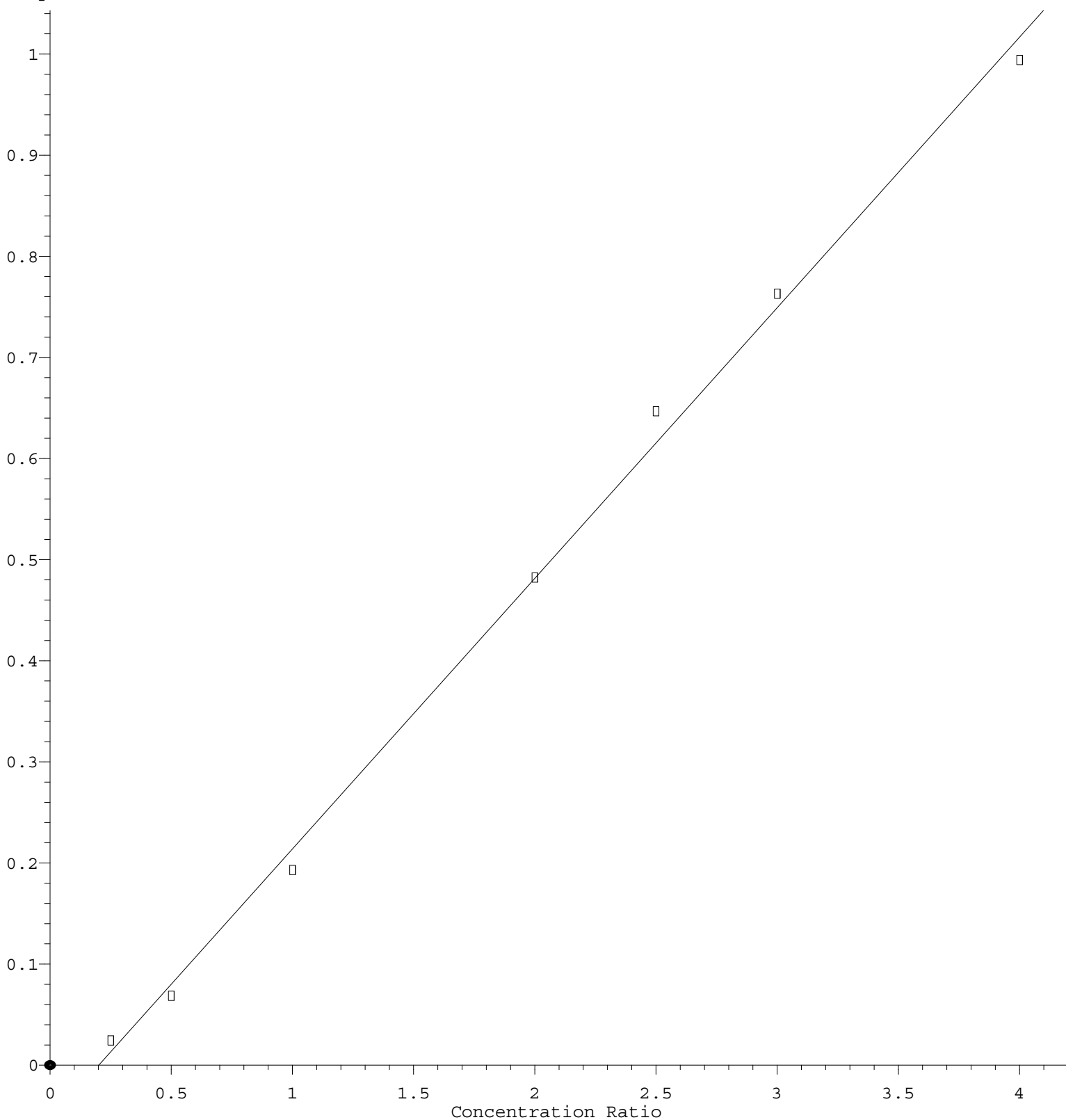
Coef of Det (r^2) = 0.997645 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M

Calibration Table Last Updated: Wed Apr 30 16:00:01 2025

2,6-Dinitrotoluene

Response Ratio



$$\text{Response} = 2.679\text{e-}001 * \text{Amt} - 5.390\text{e-}002$$

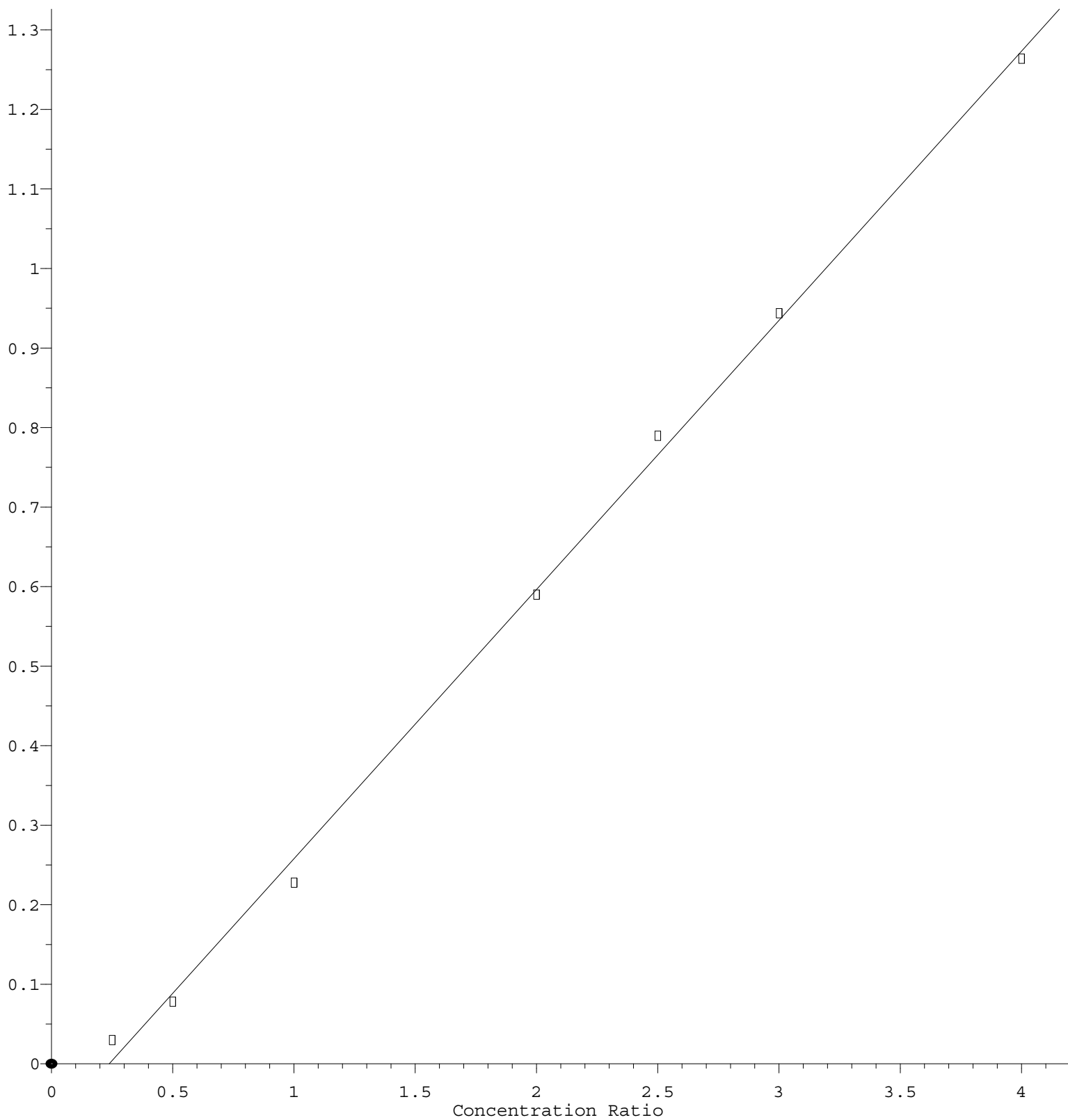
Coef of Det (r^2) = 0.997116 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M

Calibration Table Last Updated: Wed Apr 30 16:00:01 2025

2-Nitroaniline

Response Ratio



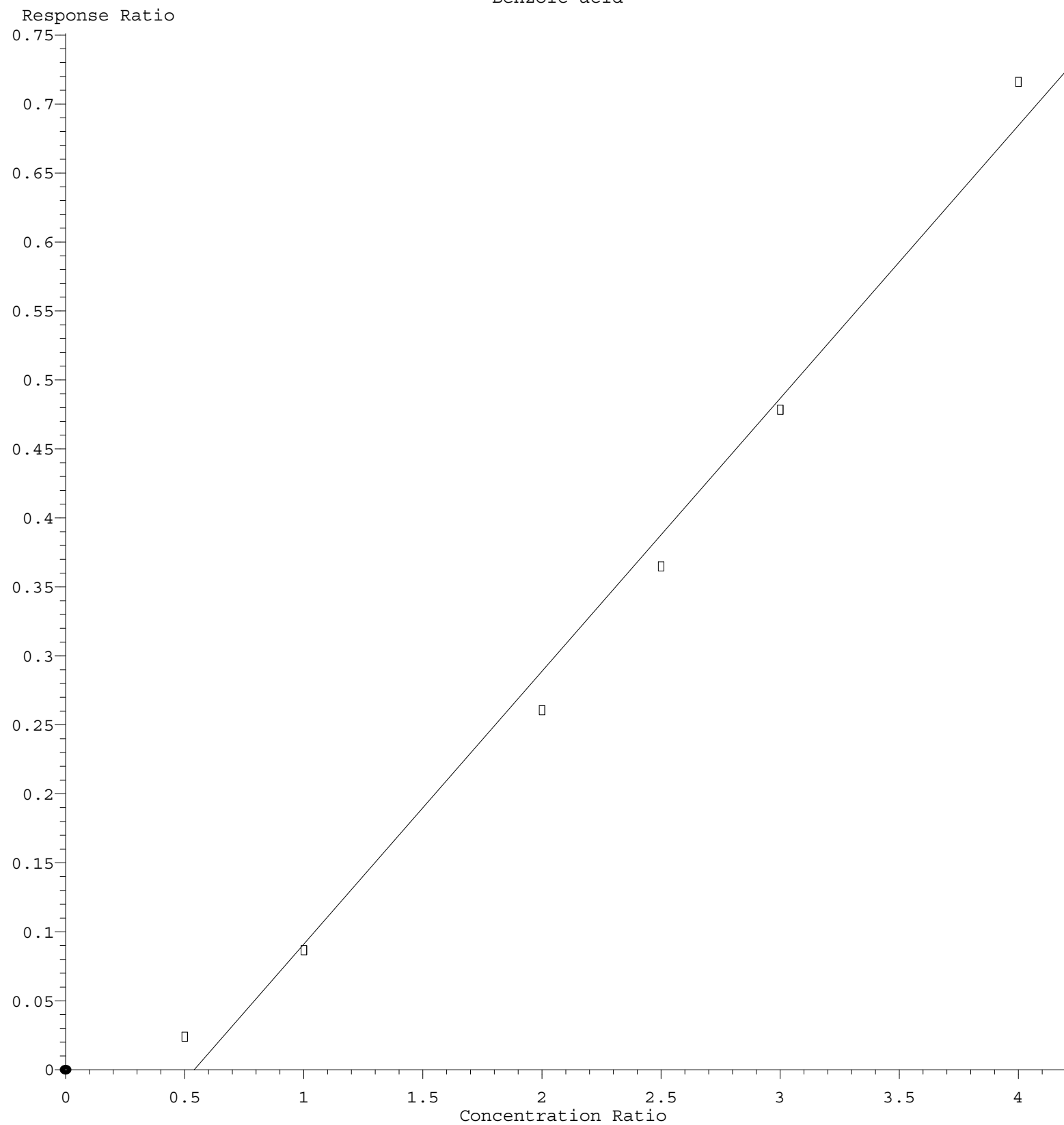
$$\text{Response} = 3.387\text{e-}001 * \text{Amt} - 8.076\text{e-}002$$

Coef of Det (r^2) = 0.998123 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M

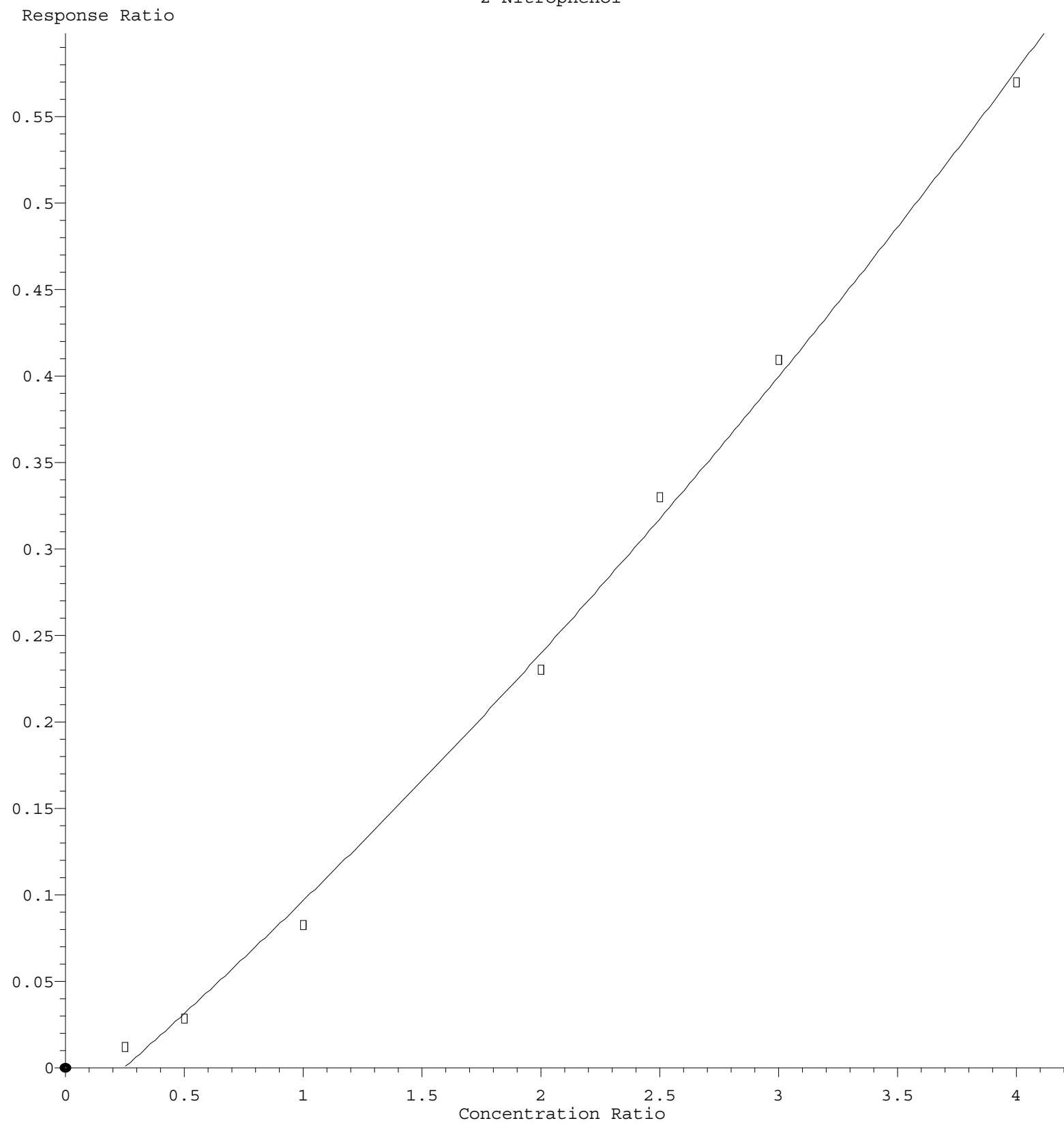
Calibration Table Last Updated: Wed Apr 30 16:00:01 2025

Benzoic acid



Response = $1.978 \times 10^{-1} \times \text{Amt} - 1.069 \times 10^{-1}$
Coef of Det (r^2) = 0.989640 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M
Calibration Table Last Updated: Wed Apr 30 16:00:01 2025

2-Nitrophenol



$R = 8.463e-003 A^2 + 1.177e-001 A - 2.955e-002$
 Coef of Det (r^2) = 0.997290 Curve Fit: Quadratic
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF043025.M
 Calibration Table Last Updated: Wed Apr 30 16:00:01 2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142239.D
 Acq On : 30 Apr 2025 11:24
 Operator : RC/JU
 Sample : SSTDICC2.5
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC2.5

Quant Time: Apr 30 15:56:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 15:28:40 2025
 Response via : Initial Calibration

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

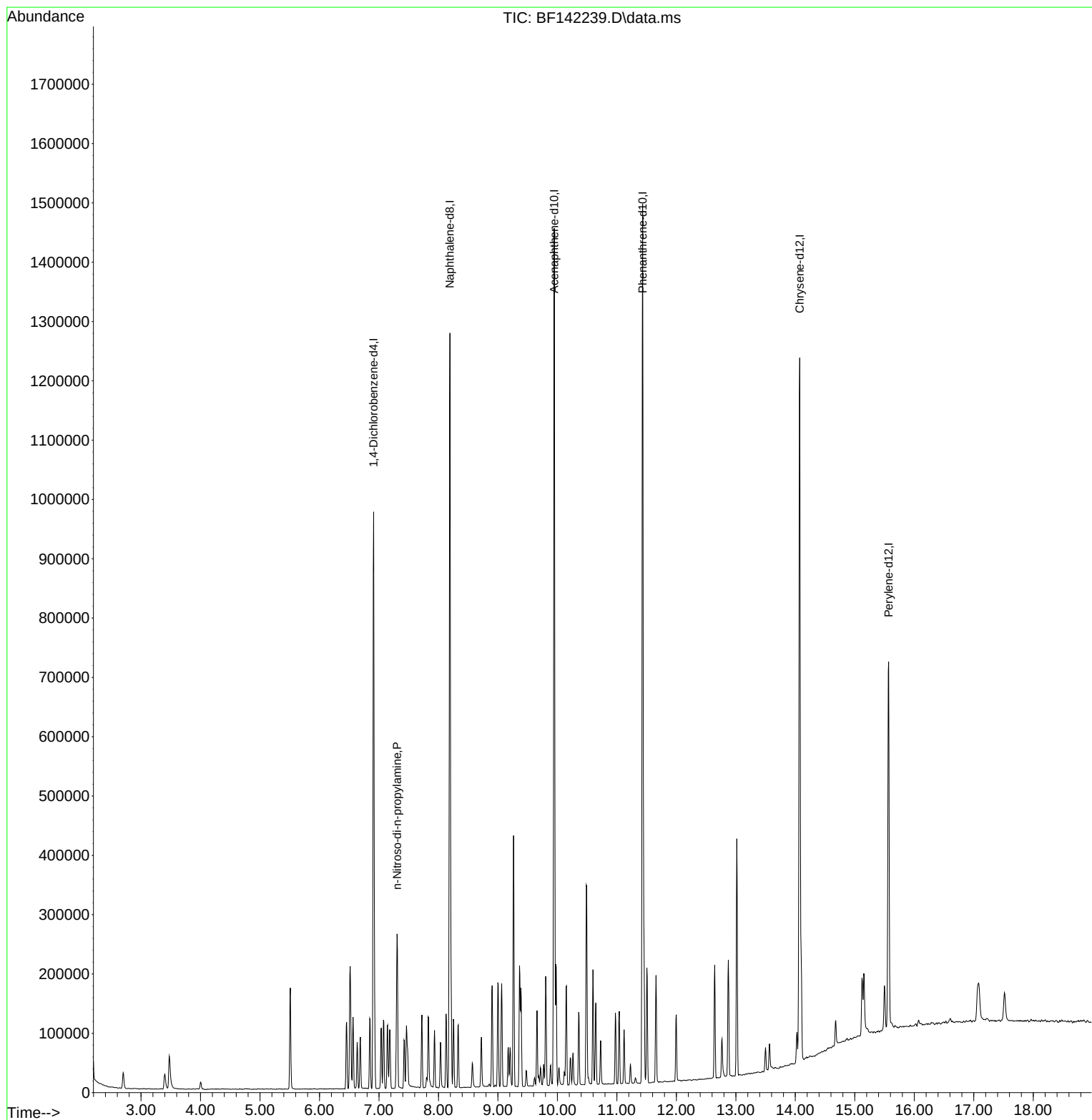
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	204993	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	780462	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	414360	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	737147	20.000	ng	0.00
76) Chrysene-d12	14.074	240	525717	20.000	ng	0.00
86) Perylene-d12	15.568	264	366865	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	24421	2.550	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142239.D
Acq On : 30 Apr 2025 11:24
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 30 15:56:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 15:28:40 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142240.D
 Acq On : 30 Apr 2025 11:52
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/01/2025
 Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:40:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 15:28:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	187794	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	726978	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	380022	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	664931	20.000	ng	0.00
76) Chrysene-d12	14.074	240	454911	20.000	ng	0.00
86) Perylene-d12	15.568	264	322126	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	124307	10.571	ng	0.00
7) Phenol-d6	6.510	99	146414	10.311	ng	-0.02
23) Nitrobenzene-d5	7.463	82	78765	7.118	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	26375	7.613	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	330323	12.256	ng	0.00
79) Terphenyl-d14	13.016	244	334852	10.706	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.699	88	26443	5.035	ng	97
3) Pyridine	3.469	79	68779	5.039	ng	99
4) n-Nitrosodimethylamine	3.393	42	35057	4.963	ng	# 97
6) Aniline	6.563	93	103866	5.168	ng	99
8) 2-Chlorophenol	6.687	128	58780	4.838	ng	99
9) Benzaldehyde	6.457	77	54160	5.457	ng	98
10) Phenol	6.528	94	78823	5.157	ng	96
11) bis(2-Chloroethyl)ether	6.634	93	63148	5.331	ng	99
12) 1,3-Dichlorobenzene	6.845	146	73777	5.367	ng	100
13) 1,4-Dichlorobenzene	6.928	146	75604	5.459	ng	97
14) 1,2-Dichlorobenzene	7.075	146	69920	5.289	ng	99
15) Benzyl Alcohol	7.039	79	49136	4.879	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.181	45	111179	5.198	ng	100
17) 2-Methylphenol	7.145	107	50945	5.118	ng	98
18) Hexachloroethane	7.422	117	21958	4.844	ng	96
19) n-Nitroso-di-n-propyla...	7.310	70	46341	5.281	ng	99
20) 3+4-Methylphenols	7.292	107	63725	5.119	ng	93
22) Acetophenone	7.310	105	92806	5.518	ng	96
24) Nitrobenzene	7.481	77	41660	3.837	ng	94
25) Isophorone	7.722	82	119954	5.165	ng	100
26) 2-Nitrophenol	7.804	139	8775	6.901	ng	99
27) 2,4-Dimethylphenol	7.828	122	57217	4.887	ng	97
28) bis(2-Chloroethoxy)met...	7.934	93	77155	5.268	ng	100
29) 2,4-Dichlorophenol	8.034	162	44643	4.560	ng	98
30) 1,2,4-Trichlorobenzene	8.128	180	58177	5.326	ng	99
31) Naphthalene	8.210	128	200969	5.543	ng	99
33) 4-Chloroaniline	8.251	127	81024	5.367	ng	98
34) Hexachlorobutadiene	8.334	225	32676	5.127	ng	97
35) Caprolactam	8.575	113	12427	4.223	ng	100
36) 4-Chloro-3-methylphenol	8.722	107	47673	4.743	ng	99
37) 2-Methylnaphthalene	8.904	142	123458	5.539	ng	97
38) 1-Methylnaphthalene	8.998	142	127274	5.512	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	58967	5.513	ng	97
41) Hexachlorocyclopentadiene	9.057	237	23228	3.827	ng	98
43) 2,4,6-Trichlorophenol	9.175	196	26171	3.949	ng	98
44) 2,4,5-Trichlorophenol	9.204	196	30587	4.390	ng	95

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142240.D
 Acq On : 30 Apr 2025 11:52
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/01/2025
 Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:40:24 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 15:28:40 2025
 Response via : Initial Calibration

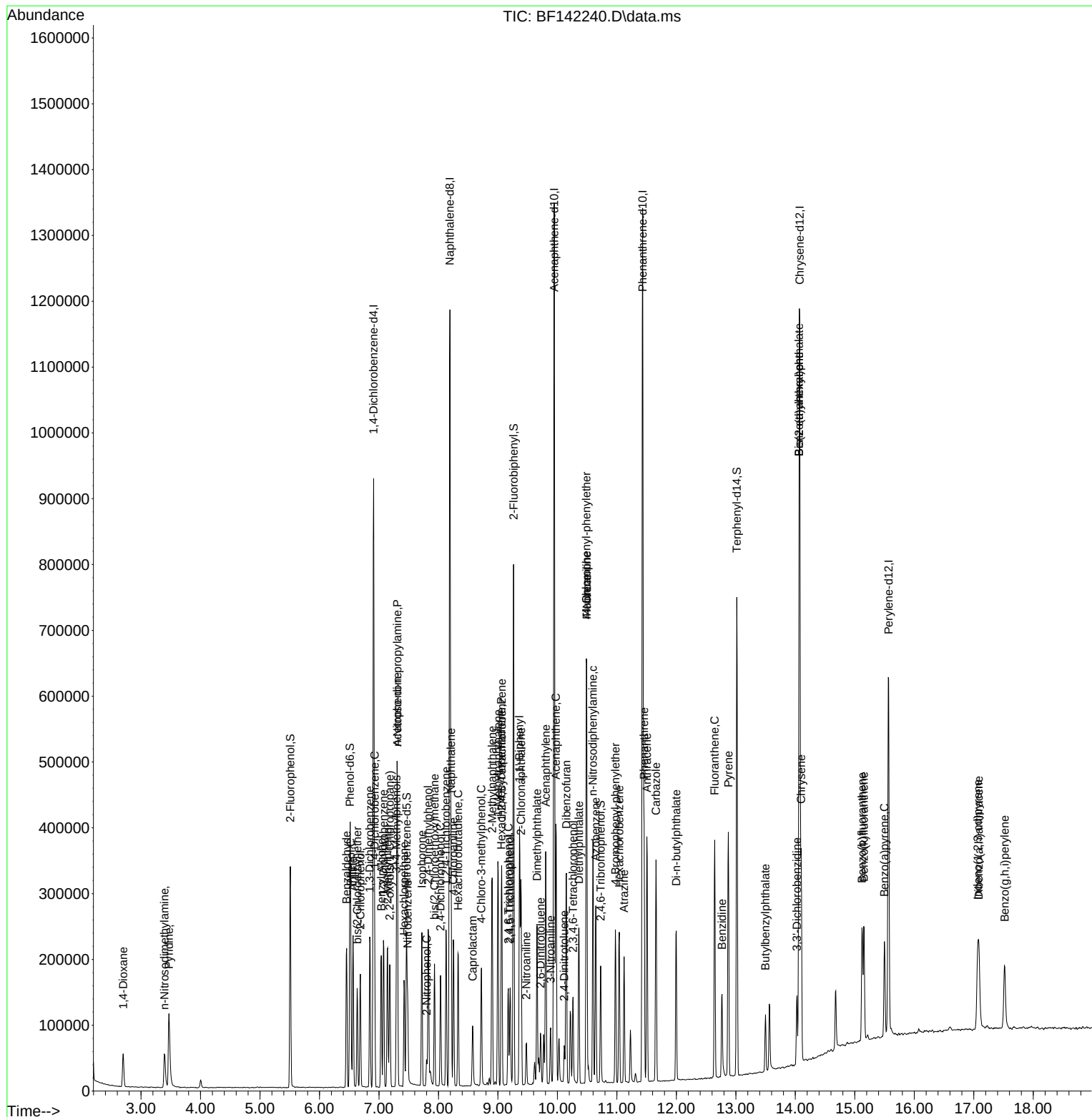
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.363	154	168456	5.702	ng	98
47) 2-Chloronaphthalene	9.386	162	122469	5.572	ng	98
48) 2-Nitroaniline	9.475	65	11346	6.532	ng	89
49) Acenaphthylene	9.804	152	204157	5.504	ng	99
50) Dimethylphthalate	9.657	163	129376	5.322	ng	100
51) 2,6-Dinitrotoluene	9.716	165	9271	5.846	ng	# 81
52) Acenaphthene	9.975	154	120775	5.577	ng	99
53) 3-Nitroaniline	9.886	138	13576	5.423	ng	# 88
55) Dibenzofuran	10.151	168	183405	5.649	ng	98
57) 2,4-Dinitrotoluene	10.116	165	9928	6.601	ng	# 85
58) Fluorene	10.492	166	141835	5.746	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.263	232	23974m	4.154	ng	
60) Diethylphthalate	10.363	149	125748	5.238	ng	99
61) 4-Chlorophenyl-phenyle...	10.486	204	66676	5.688	ng	98
62) 4-Nitroaniline	10.492	138	13695	5.254	ng	# 76
63) Azobenzene	10.645	77	127873	5.394	ng	99
66) n-Nitrosodiphenylamine	10.598	169	120800	5.317	ng	100
67) 4-Bromophenyl-phenylether	10.975	248	37248	5.030	ng	97
68) Hexachlorobenzene	11.039	284	42558	5.131	ng	98
69) Atrazine	11.122	200	27629	4.614	ng	98
71) Phenanthrene	11.457	178	202460	5.637	ng	98
72) Anthracene	11.504	178	200946	5.472	ng	98
73) Carbazole	11.657	167	186963	5.581	ng	98
74) Di-n-butylphthalate	11.998	149	163860	4.864	ng	99
75) Fluoranthene	12.645	202	202911	5.715	ng	98
77) Benzidine	12.769	184	79877	4.132	ng	98
78) Pyrene	12.874	202	208462	4.968	ng	99
80) Butylbenzylphthalate	13.498	149	24840	5.714	ng	96
81) Benzo(a)anthracene	14.063	228	156840	5.136	ng	99
82) 3,3'-Dichlorobenzidine	14.027	252	32503	3.623	ng	94
83) Chrysene	14.098	228	148119	5.328	ng	98
84) Bis(2-ethylhexyl)phtha...	14.063	149	43692	6.006	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	106554	4.516	ng	98
88) Benzo(b)fluoranthene	15.121	252	106072	5.301	ng	100
89) Benzo(k)fluoranthene	15.151	252	97496	5.327	ng	99
90) Benzo(a)pyrene	15.498	252	90284	4.928	ng	99
91) Dibenzo(a,h)anthracene	17.086	278	86557	4.520	ng	100
92) Benzo(g,h,i)perylene	17.521	276	86631	4.500	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142241.D
 Acq On : 30 Apr 2025 12:20
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Apr 30 15:41:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 15:28:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	198828	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	764114	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	402628	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	692116	20.000	ng	0.00
76) Chrysene-d12	14.074	240	449534	20.000	ng	0.00
86) Perylene-d12	15.568	264	332067	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	246136	19.771	ng	0.00
7) Phenol-d6	6.516	99	299244	19.905	ng	-0.01
23) Nitrobenzene-d5	7.463	82	192172	16.523	ng	-0.01
42) 2,4,6-Tribromophenol	10.727	330	63470	17.292	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	636078	22.275	ng	0.00
79) Terphenyl-d14	13.016	244	635233	20.552	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.699	88	53052	9.541	ng	97
3) Pyridine	3.469	79	138279	9.569	ng	99
4) n-Nitrosodimethylamine	3.399	42	69527	9.297	ng	# 98
6) Aniline	6.563	93	207232	9.739	ng	100
8) 2-Chlorophenol	6.687	128	122451	9.519	ng	98
9) Benzaldehyde	6.457	77	108198	10.297	ng	99
10) Phenol	6.528	94	157877	9.755	ng	99
11) bis(2-Chloroethyl)ether	6.634	93	124281	9.909	ng	99
12) 1,3-Dichlorobenzene	6.851	146	147587	10.141	ng	99
13) 1,4-Dichlorobenzene	6.928	146	147728	10.075	ng	99
14) 1,2-Dichlorobenzene	7.081	146	140999	10.073	ng	99
15) Benzyl Alcohol	7.039	79	101094	9.481	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.181	45	227340	10.038	ng	99
17) 2-Methylphenol	7.145	107	102299	9.707	ng	99
18) Hexachloroethane	7.422	117	46369	9.662	ng	94
19) n-Nitroso-di-n-propyla...	7.310	70	93168	10.029	ng	99
20) 3+4-Methylphenols	7.298	107	131546	9.981	ng	97
22) Acetophenone	7.310	105	184253	10.423	ng	96
24) Nitrobenzene	7.481	77	99900	8.754	ng	95
25) Isophorone	7.722	82	240659	9.859	ng	100
26) 2-Nitrophenol	7.804	139	21744	9.530	ng	98
27) 2,4-Dimethylphenol	7.834	122	121707	9.889	ng	97
28) bis(2-Chloroethoxy)met...	7.934	93	154349	10.026	ng	99
29) 2,4-Dichlorophenol	8.034	162	96761	9.404	ng	98
30) 1,2,4-Trichlorobenzene	8.128	180	115815	10.087	ng	99
31) Naphthalene	8.210	128	397159	10.422	ng	99
32) Benzoic acid	7.881	122	18272	13.045	ng	96
33) 4-Chloroaniline	8.257	127	157999	9.957	ng	99
34) Hexachlorobutadiene	8.334	225	66829	9.976	ng	98
35) Caprolactam	8.586	113	27800	8.989	ng	98
36) 4-Chloro-3-methylphenol	8.722	107	101179	9.576	ng	99
37) 2-Methylnaphthalene	8.904	142	243429	10.390	ng	99
38) 1-Methylnaphthalene	9.004	142	250299	10.312	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	115685	10.209	ng	98
41) Hexachlorocyclopentadiene	9.057	237	53365	8.298	ng	98
43) 2,4,6-Trichlorophenol	9.175	196	66271	9.438	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142241.D
 Acq On : 30 Apr 2025 12:20
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

Quant Time: Apr 30 15:41:16 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 15:28:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	66509	9.009	ng	98
46) 1,1'-Biphenyl	9.363	154	326241	10.423	ng	99
47) 2-Chloronaphthalene	9.392	162	236725	10.165	ng	99
48) 2-Nitroaniline	9.480	65	31455	9.382	ng	98
49) Acenaphthylene	9.804	152	407630	10.373	ng	98
50) Dimethylphthalate	9.657	163	258512	10.036	ng	99
51) 2,6-Dinitrotoluene	9.722	165	27624	9.147	ng	91
52) Acenaphthene	9.980	154	236444	10.305	ng	99
53) 3-Nitroaniline	9.886	138	37727	9.049	ng	# 97
54) 2,4-Dinitrophenol	9.986	184	4993	11.362	ng	# 1
55) Dibenzofuran	10.151	168	357431	10.392	ng	99
56) 4-Nitrophenol	10.028	139	26399	6.520	ng	91
57) 2,4-Dinitrotoluene	10.122	165	29245	9.405	ng	94
58) Fluorene	10.492	166	282449	10.800	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	53660	8.775	ng	99
60) Diethylphthalate	10.363	149	254431	10.003	ng	98
61) 4-Chlorophenyl-phenyle...	10.486	204	129149	10.398	ng	99
62) 4-Nitroaniline	10.492	138	35703	8.911	ng	88
63) Azobenzene	10.645	77	253731	10.102	ng	99
65) 4,6-Dinitro-2-methylph...	10.527	198	7762	13.263	ng	95
66) n-Nitrosodiphenylamine	10.598	169	237471	10.042	ng	100
67) 4-Bromophenyl-phenylether	10.975	248	75692	9.820	ng	97
68) Hexachlorobenzene	11.039	284	84881	9.832	ng	96
69) Atrazine	11.122	200	59553	9.554	ng	98
70) Pentachlorophenol	11.227	266	32058	7.029	ng	99
71) Phenanthrene	11.457	178	385677	10.316	ng	99
72) Anthracene	11.510	178	401700	10.509	ng	98
73) Carbazole	11.657	167	362249	10.389	ng	98
74) Di-n-butylphthalate	11.998	149	348111	9.927	ng	99
75) Fluoranthene	12.645	202	395757	10.709	ng	99
77) Benzidine	12.769	184	168038	8.797	ng	99
78) Pyrene	12.874	202	404860	9.763	ng	100
80) Butylbenzylphthalate	13.498	149	65964	9.084	ng	98
81) Benzo(a)anthracene	14.063	228	296710	9.832	ng	99
82) 3,3'-Dichlorobenzidine	14.027	252	71321	8.046	ng	98
83) Chrysene	14.098	228	271875	9.897	ng	100
84) Bis(2-ethylhexyl)phtha...	14.063	149	100777	9.409	ng	99
85) Di-n-octyl phthalate	14.680	149	150072	10.622	ng	99
87) Indeno(1,2,3-cd)pyrene	17.068	276	229818	9.449	ng	100
88) Benzo(b)fluoranthene	15.121	252	202615	9.823	ng	99
89) Benzo(k)fluoranthene	15.157	252	192500	10.203	ng	98
90) Benzo(a)pyrene	15.498	252	182258	9.651	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	187788	9.513	ng	99
92) Benzo(g,h,i)perylene	17.521	276	188891	9.518	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142242.D
 Acq On : 30 Apr 2025 12:49
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/01/2025

Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:42:06 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Apr 30 15:28:40 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	194641	20.000	ng	0.00
21) Naphthalene-d8	8.193	136	746567	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	398805	20.000	ng	0.00
64) Phenanthrene-d10	11.434	188	679379	20.000	ng	0.00
76) Chrysene-d12	14.075	240	430351	20.000	ng	0.00
86) Perylene-d12	15.569	264	350840	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	492356	40.399	ng	0.00
7) Phenol-d6	6.516	99	597221	40.580	ng	-0.01
23) Nitrobenzene-d5	7.469	82	450837	39.673	ng	0.00
42) 2,4,6-Tribromophenol	10.734	330	146779	40.372	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1212743	42.876	ng	0.00
79) Terphenyl-d14	13.022	244	1223735	41.357	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.693	88	109201	20.062	ng	100
3) Pyridine	3.458	79	282987	20.004	ng	100
4) n-Nitrosodimethylamine	3.399	42	141737	19.361	ng	97
6) Aniline	6.569	93	419797	20.152	ng	99
8) 2-Chlorophenol	6.687	128	253840	20.156	ng	99
9) Benzaldehyde	6.457	77	213052	20.712	ng	98
10) Phenol	6.534	94	322435	20.352	ng	98
11) bis(2-Chloroethyl)ether	6.640	93	247179	20.132	ng	99
12) 1,3-Dichlorobenzene	6.851	146	289129	20.294	ng	100
13) 1,4-Dichlorobenzene	6.928	146	290927	20.268	ng	99
14) 1,2-Dichlorobenzene	7.081	146	278592	20.331	ng	99
15) Benzyl Alcohol	7.040	79	207042	19.835	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.181	45	448250	20.218	ng	99
17) 2-Methylphenol	7.146	107	207957	20.157	ng	99
18) Hexachloroethane	7.422	117	93572	19.917	ng	96
19) n-Nitroso-di-n-propyla...	7.316	70	184776	20.318	ng	99
20) 3+4-Methylphenols	7.298	107	267057	20.700	ng	96
22) Acetophenone	7.310	105	360484	20.872	ng	98
24) Nitrobenzene	7.487	77	221499	19.865	ng	98
25) Isophorone	7.722	82	479096	20.088	ng	99
26) 2-Nitrophenol	7.804	139	61615	17.893	ng	98
27) 2,4-Dimethylphenol	7.834	122	248864	20.696	ng	97
28) bis(2-Chloroethoxy)met...	7.934	93	309073	20.549	ng	99
29) 2,4-Dichlorophenol	8.040	162	204821	20.374	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	227898	20.315	ng	100
31) Naphthalene	8.210	128	772839	20.758	ng	100
32) Benzoic acid	7.904	122	64656m	19.412	ng	
33) 4-Chloroaniline	8.257	127	320218	20.654	ng	99
34) Hexachlorobutadiene	8.334	225	133474	20.393	ng	99
35) Caprolactam	8.604	113	60791	20.118	ng	99
36) 4-Chloro-3-methylphenol	8.722	107	208419	20.190	ng	99
37) 2-Methylnaphthalene	8.904	142	472896	20.658	ng	100
38) 1-Methylnaphthalene	9.004	142	497635	20.985	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	228311	20.342	ng	99
41) Hexachlorocyclopentadiene	9.057	237	121953	19.145	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	140807	20.246	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142242.D
 Acq On : 30 Apr 2025 12:49
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/01/2025
 Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:42:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 15:28:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	144462	19.756	ng	99
46) 1,1'-Biphenyl	9.369	154	643017	20.740	ng	99
47) 2-Chloronaphthalene	9.392	162	474899	20.588	ng	98
48) 2-Nitroaniline	9.481	65	90798	18.213	ng	97
49) Acenaphthylene	9.810	152	807654	20.749	ng	99
50) Dimethylphthalate	9.663	163	518802	20.334	ng	100
51) 2,6-Dinitrotoluene	9.722	165	76955	18.432	ng	93
52) Acenaphthene	9.981	154	460927	20.281	ng	100
53) 3-Nitroaniline	9.892	138	100560	18.959	ng	# 95
54) 2,4-Dinitrophenol	9.992	184	14553	18.804	ng	# 1
55) Dibenzofuran	10.151	168	698155	20.493	ng	100
56) 4-Nitrophenol	10.034	139	70423	17.561	ng	97
57) 2,4-Dinitrotoluene	10.122	165	84812	17.844	ng	95
58) Fluorene	10.492	166	538647	20.793	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	124353	20.530	ng	99
60) Diethylphthalate	10.363	149	519294	20.611	ng	98
61) 4-Chlorophenyl-phenyle...	10.486	204	252213	20.502	ng	99
62) 4-Nitroaniline	10.498	138	92884	18.933	ng	97
63) Azobenzene	10.645	77	508482	20.438	ng	98
65) 4,6-Dinitro-2-methylph...	10.528	198	23400	18.756	ng	98
66) n-Nitrosodiphenylamine	10.604	169	470767	20.280	ng	100
67) 4-Bromophenyl-phenylether	10.981	248	151720	20.053	ng	99
68) Hexachlorobenzene	11.039	284	168767	19.916	ng	97
69) Atrazine	11.128	200	126444	20.665	ng	99
70) Pentachlorophenol	11.228	266	81929	18.301	ng	99
71) Phenanthrene	11.457	178	760476	20.723	ng	99
72) Anthracene	11.510	178	782215	20.848	ng	99
73) Carbazole	11.657	167	720775	21.059	ng	99
74) Di-n-butylphthalate	11.998	149	739011	21.469	ng	99
75) Fluoranthene	12.645	202	784880	21.636	ng	100
77) Benzidine	12.769	184	381034	20.837	ng	99
78) Pyrene	12.875	202	795806	20.046	ng	100
80) Butylbenzylphthalate	13.498	149	174268	18.529	ng	99
81) Benzo(a)anthracene	14.063	228	573438	19.849	ng	99
82) 3,3'-Dichlorobenzidine	14.027	252	163359	19.251	ng	100
83) Chrysene	14.098	228	537388	20.435	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	236325	18.042	ng	100
85) Di-n-octyl phthalate	14.674	149	376362	17.998	ng	98
87) Indeno(1,2,3-cd)pyrene	17.074	276	514496	20.021	ng	99
88) Benzo(b)fluoranthene	15.127	252	423694	19.442	ng	98
89) Benzo(k)fluoranthene	15.157	252	428646	21.504	ng	98
90) Benzo(a)pyrene	15.504	252	402101	20.154	ng	99
91) Dibenzo(a,h)anthracene	17.092	278	420029	20.139	ng	98
92) Benzo(g,h,i)perylene	17.527	276	422497	20.150	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142242.D
 Acq On : 30 Apr 2025 12:49
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/01/2025

Supervised By :Jagrut Upadhyay 05/01/2025

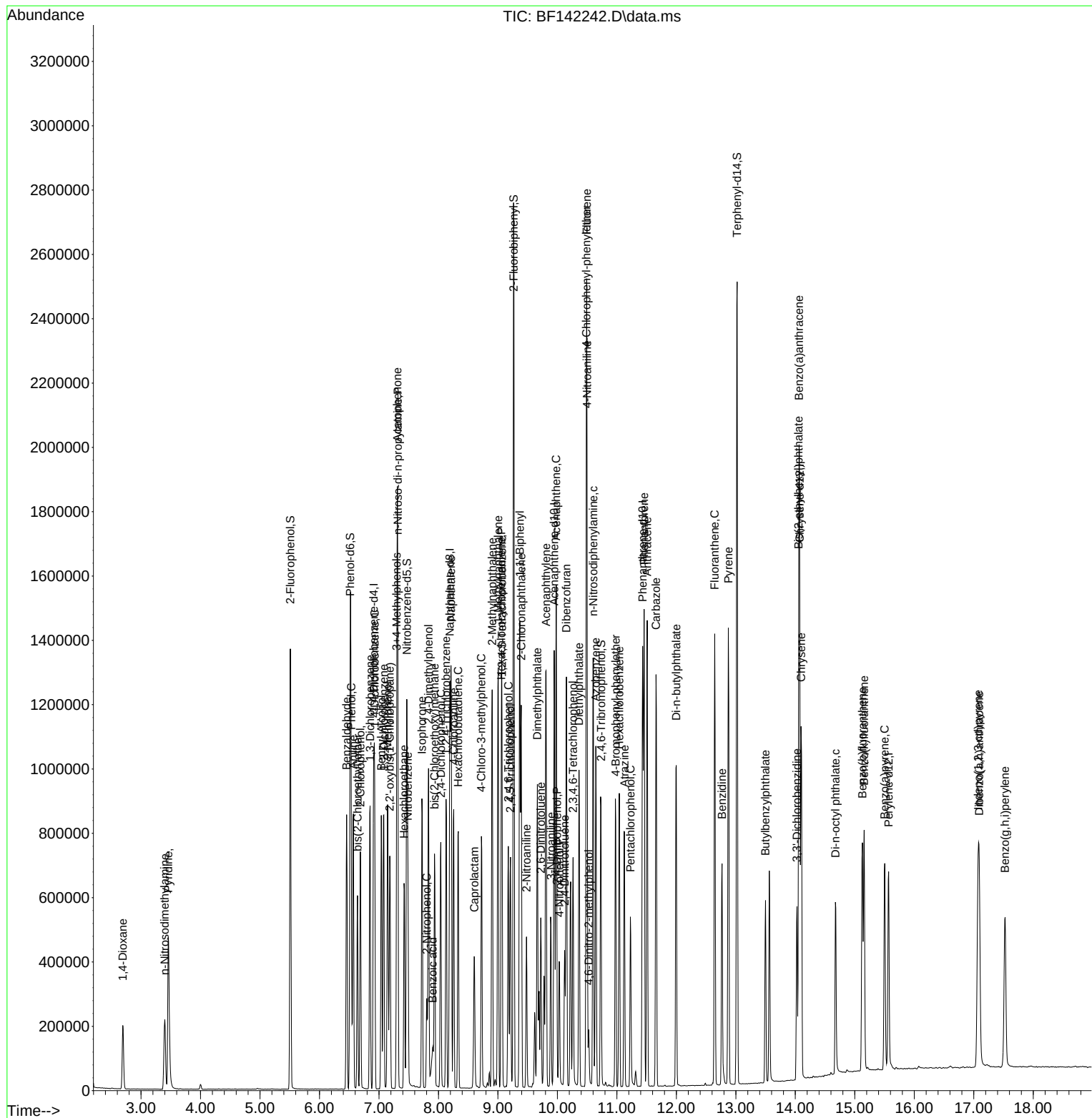
Quant Time: Apr 30 15:42:06 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Apr 30 15:28:40 2025

Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142243.D
 Acq On : 30 Apr 2025 13:17
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/01/2025
 Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:43:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 15:28:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	180007	20.000	ng	0.00
21) Naphthalene-d8	8.193	136	706244	20.000	ng	0.00
39) Acenaphthene-d10	9.951	164	370869	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	616408	20.000	ng	0.00
76) Chrysene-d12	14.074	240	331192	20.000	ng	0.00
86) Perylene-d12	15.568	264	328405	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	946150	83.944	ng	0.00
7) Phenol-d6	6.528	99	1146926	84.267	ng	0.00
23) Nitrobenzene-d5	7.475	82	961009	89.396	ng	0.00
42) 2,4,6-Tribromophenol	10.734	330	302223	89.389	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2089707	79.446	ng	0.00
79) Terphenyl-d14	13.022	244	1962470	86.181	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.699	88	213029	42.319	ng	100
3) Pyridine	3.463	79	547989	41.886	ng	100
4) n-Nitrosodimethylamine	3.410	42	290357	42.887	ng	100
6) Aniline	6.569	93	808338	41.959	ng	100
8) 2-Chlorophenol	6.693	128	496290	42.612	ng	100
9) Benzaldehyde	6.457	77	402047	42.263	ng	100
10) Phenol	6.540	94	617257	42.128	ng	100
11) bis(2-Chloroethyl)ether	6.646	93	474404	41.780	ng	100
12) 1,3-Dichlorobenzene	6.851	146	551813	41.881	ng	100
13) 1,4-Dichlorobenzene	6.928	146	556691	41.937	ng	100
14) 1,2-Dichlorobenzene	7.081	146	530895	41.892	ng	100
15) Benzyl Alcohol	7.046	79	413830	42.870	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.187	45	858875	41.888	ng	100
17) 2-Methylphenol	7.151	107	403467	42.287	ng	100
18) Hexachloroethane	7.428	117	183881	42.322	ng	100
19) n-Nitroso-di-n-propyla...	7.322	70	348288	41.410	ng	100
20) 3+4-Methylphenols	7.304	107	503856	42.229	ng	100
22) Acetophenone	7.316	105	660959	40.454	ng	100
24) Nitrobenzene	7.493	77	463357	43.929	ng	100
25) Isophorone	7.728	82	931763	41.299	ng	100
26) 2-Nitrophenol	7.804	139	162563	38.737	ng	100
27) 2,4-Dimethylphenol	7.834	122	476186	41.862	ng	100
28) bis(2-Chloroethoxy)met...	7.940	93	586887	41.247	ng	100
29) 2,4-Dichlorophenol	8.040	162	410487	43.163	ng	100
30) 1,2,4-Trichlorobenzene	8.134	180	440825	41.539	ng	100
31) Naphthalene	8.216	128	1441240	40.920	ng	100
32) Benzoic acid	7.934	122	184052m	37.083	ng	
33) 4-Chloroaniline	8.257	127	606136	41.328	ng	100
34) Hexachlorobutadiene	8.334	225	260821	42.125	ng	100
35) Caprolactam	8.622	113	122598	42.889	ng	100
36) 4-Chloro-3-methylphenol	8.728	107	417126	42.715	ng	100
37) 2-Methylnaphthalene	8.904	142	880315	40.652	ng	100
38) 1-Methylnaphthalene	9.004	142	920983	41.054	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	427286	40.938	ng	100
41) Hexachlorocyclopentadiene	9.057	237	260979	44.056	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	274555	42.450	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142243.D
 Acq On : 30 Apr 2025 13:17
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/01/2025
 Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:43:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 15:28:40 2025
 Response via : Initial Calibration

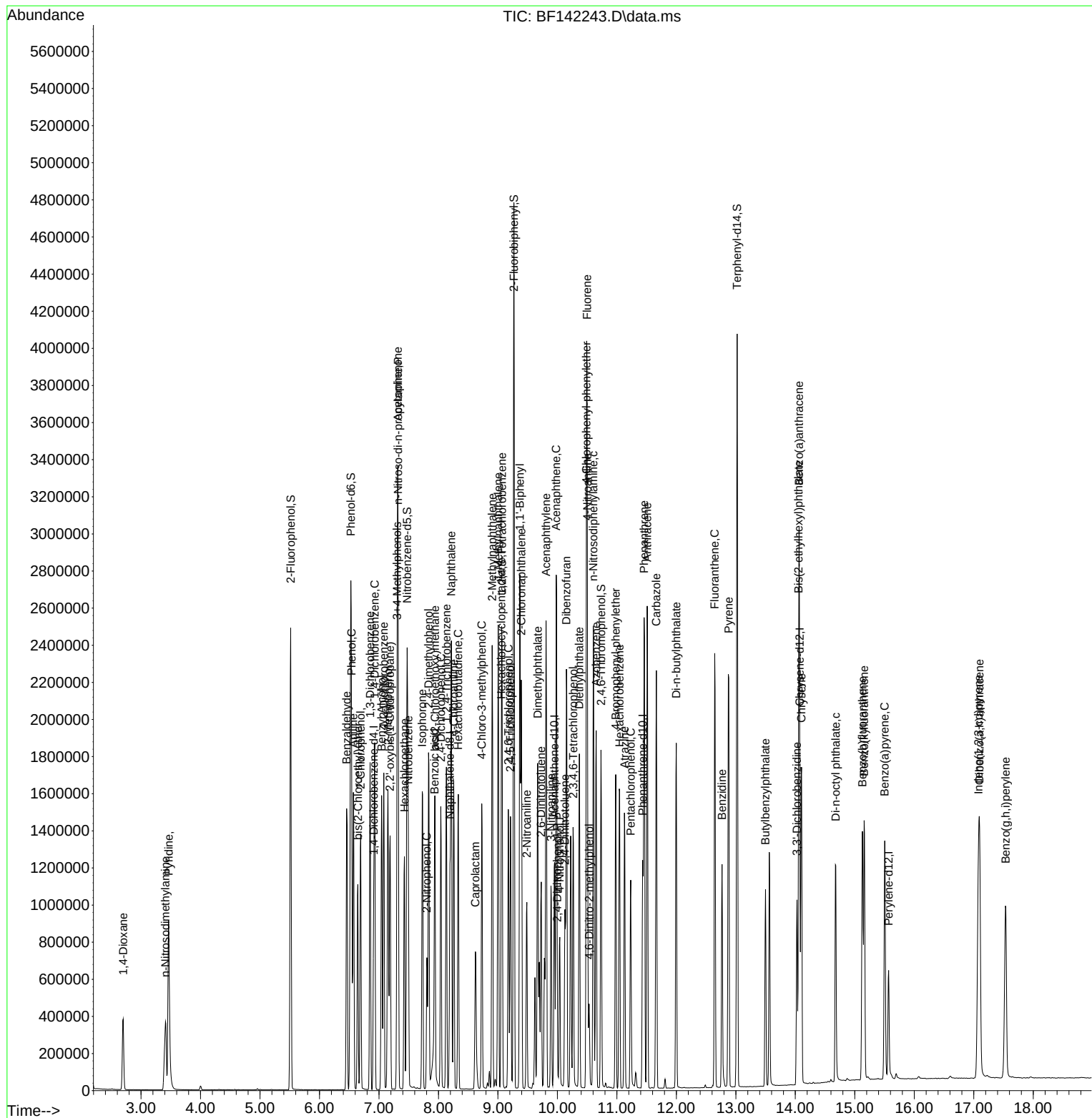
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	299967	44.113	ng	100
46) 1,1'-Biphenyl	9.369	154	1172400	40.664	ng	100
47) 2-Chloronaphthalene	9.392	162	879152	40.984	ng	100
48) 2-Nitroaniline	9.487	65	218766	39.600	ng	100
49) Acenaphthylene	9.810	152	1481543	40.929	ng	100
50) Dimethylphthalate	9.669	163	980172	41.312	ng	100
51) 2,6-Dinitrotoluene	9.728	165	178867	40.034	ng	100
52) Acenaphthene	9.981	154	869604	41.145	ng	100
53) 3-Nitroaniline	9.892	138	221168	40.485	ng	100
54) 2,4-Dinitrophenol	9.998	184	42260	38.466	ng	100
55) Dibenzofuran	10.151	168	1293035	40.813	ng	100
56) 4-Nitrophenol	10.039	139	159989	42.900	ng	100
57) 2,4-Dinitrotoluene	10.128	165	211218	39.352	ng	100
58) Fluorene	10.498	166	976948	40.554	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.269	232	247655	43.967	ng	100
60) Diethylphthalate	10.369	149	974036	41.573	ng	100
61) 4-Chlorophenyl-phenyle...	10.486	204	468898	40.986	ng	100
62) 4-Nitroaniline	10.504	138	201491	40.498	ng	100
63) Azobenzene	10.651	77	948440	40.994	ng	100
65) 4,6-Dinitro-2-methylph...	10.534	198	67678	36.574	ng	100
66) n-Nitrosodiphenylamine	10.604	169	877338	41.656	ng	100
67) 4-Bromophenyl-phenylether	10.981	248	291063	42.400	ng	100
68) Hexachlorobenzene	11.045	284	321448	41.809	ng	100
69) Atrazine	11.128	200	234825	42.299	ng	100
70) Pentachlorophenol	11.233	266	177755	43.764	ng	100
71) Phenanthrene	11.457	178	1371009	41.176	ng	100
72) Anthracene	11.510	178	1390308	40.840	ng	100
73) Carbazole	11.663	167	1273184	40.999	ng	100
74) Di-n-butylphthalate	11.998	149	1317363	42.180	ng	100
75) Fluoranthene	12.645	202	1338006	40.652	ng	100
77) Benzidine	12.769	184	638142	45.346	ng	100
78) Pyrene	12.880	202	1341800	43.920	ng	100
80) Butylbenzylphthalate	13.498	149	334175	40.624	ng	100
81) Benzo(a)anthracene	14.063	228	952290	42.831	ng	100
82) 3,3'-Dichlorobenzidine	14.027	252	292958	44.859	ng	100
83) Chrysene	14.104	228	816041	40.321	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	460074	40.356	ng	100
85) Di-n-octyl phthalate	14.680	149	836078	40.504	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	1059591	44.049	ng	100
88) Benzo(b)fluoranthene	15.127	252	854971	41.912	ng	100
89) Benzo(k)fluoranthene	15.157	252	752135	40.310	ng	100
90) Benzo(a)pyrene	15.504	252	790330	42.318	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	861783	44.142	ng	100
92) Benzo(g,h,i)perylene	17.539	276	858804	43.758	ng	100

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142244.D
 Acq On : 30 Apr 2025 13:46
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/01/2025
 Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:43:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 15:28:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	179073	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	691236	20.000	ng	0.00
39) Acenaphthene-d10	9.951	164	360144	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	604171	20.000	ng	0.00
76) Chrysene-d12	14.074	240	322957	20.000	ng	0.00
86) Perylene-d12	15.568	264	337726	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1150166	102.577	ng	0.00
7) Phenol-d6	6.528	99	1387418	102.468	ng	0.00
23) Nitrobenzene-d5	7.475	82	1213856	115.369	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	369823	112.641	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2425708	94.966	ng	0.00
79) Terphenyl-d14	13.021	244	2247982	101.236	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.693	88	259869	51.894	ng	99
3) Pyridine	3.463	79	672711	51.688	ng	100
4) n-Nitrosodimethylamine	3.416	42	353028	52.416	ng	96
6) Aniline	6.575	93	986118	51.454	ng	99
8) 2-Chlorophenol	6.692	128	606252	52.325	ng	99
9) Benzaldehyde	6.463	77	482619	50.998	ng	98
10) Phenol	6.539	94	755326m	51.820	ng	
11) bis(2-Chloroethyl)ether	6.645	93	575347	50.934	ng	100
12) 1,3-Dichlorobenzene	6.851	146	661612	50.476	ng	99
13) 1,4-Dichlorobenzene	6.928	146	666083	50.439	ng	99
14) 1,2-Dichlorobenzene	7.081	146	640983	50.843	ng	100
15) Benzyl Alcohol	7.045	79	504297	52.514	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.186	45	1049319	51.444	ng	100
17) 2-Methylphenol	7.151	107	485145	51.113	ng	100
18) Hexachloroethane	7.428	117	229911	53.193	ng	97
19) n-Nitroso-di-n-propyla...	7.328	70	420535	50.261	ng	99
20) 3+4-Methylphenols	7.310	107	611404	51.510	ng	# 89
22) Acetophenone	7.322	105	796460	49.805	ng	96
24) Nitrobenzene	7.492	77	584670	56.634	ng	99
25) Isophorone	7.734	82	1129933	51.170	ng	99
26) 2-Nitrophenol	7.810	139	228021	51.526	ng	97
27) 2,4-Dimethylphenol	7.839	122	576054	51.741	ng	100
28) bis(2-Chloroethoxy)met...	7.939	93	708439	50.870	ng	99
29) 2,4-Dichlorophenol	8.045	162	494488	53.125	ng	99
30) 1,2,4-Trichlorobenzene	8.133	180	524508	50.497	ng	100
31) Naphthalene	8.216	128	1725818	50.064	ng	100
32) Benzoic acid	7.939	122	252184	47.667	ng	98
33) 4-Chloroaniline	8.257	127	730860	50.914	ng	99
34) Hexachlorobutadiene	8.333	225	307118	50.679	ng	99
35) Caprolactam	8.628	113	154579	55.251	ng	97
36) 4-Chloro-3-methylphenol	8.733	107	505527	52.891	ng	100
37) 2-Methylnaphthalene	8.904	142	1057924	49.915	ng	100
38) 1-Methylnaphthalene	9.004	142	1107217	50.427	ng	98
40) 1,2,4,5-Tetrachloroben...	9.069	216	509426	50.261	ng	99
41) Hexachlorocyclopentadiene	9.063	237	331287	57.591	ng	99
43) 2,4,6-Trichlorophenol	9.180	196	337910	53.801	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142244.D
 Acq On : 30 Apr 2025 13:46
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/01/2025
 Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:43:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 15:28:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	370489	56.106	ng	98
46) 1,1'-Biphenyl	9.369	154	1392513	49.736	ng	100
47) 2-Chloronaphthalene	9.398	162	1041842	50.015	ng	100
48) 2-Nitroaniline	9.486	65	284370	51.394	ng	100
49) Acenaphthylene	9.810	152	1769441	50.339	ng	100
50) Dimethylphthalate	9.669	163	1178638	51.156	ng	99
51) 2,6-Dinitrotoluene	9.727	165	232906	52.309	ng	99
52) Acenaphthene	9.986	154	1024409	49.912	ng	100
53) 3-Nitroaniline	9.898	138	279608	51.745	ng	97
54) 2,4-Dinitrophenol	9.998	184	62086	50.725	ng	98
55) Dibenzofuran	10.157	168	1542097	50.123	ng	100
56) 4-Nitrophenol	10.039	139	210153	58.029	ng	99
57) 2,4-Dinitrotoluene	10.127	165	280193	51.918	ng	98
58) Fluorene	10.498	166	1146269	49.000	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.269	232	300782	54.989	ng	99
60) Diethylphthalate	10.369	149	1170793	51.459	ng	99
61) 4-Chlorophenyl-phenyle...	10.492	204	553271	49.802	ng	98
62) 4-Nitroaniline	10.510	138	258117	52.547	ng	100
63) Azobenzene	10.651	77	1150899	51.226	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	98114	49.012	ng	95
66) n-Nitrosodiphenylamine	10.610	169	1041277	50.442	ng	100
67) 4-Bromophenyl-phenylether	10.980	248	340298	50.576	ng	97
68) Hexachlorobenzene	11.045	284	384807	51.064	ng	99
69) Atrazine	11.133	200	287405	52.819	ng	100
70) Pentachlorophenol	11.233	266	219414	55.114	ng	98
71) Phenanthrene	11.463	178	1607091	49.244	ng	99
72) Anthracene	11.510	178	1659788	49.744	ng	100
73) Carbazole	11.663	167	1504715	49.436	ng	100
74) Di-n-butylphthalate	11.998	149	1578769	51.573	ng	100
75) Fluoranthene	12.651	202	1563998	48.481	ng	99
77) Benzidine	12.768	184	762858	55.590	ng	99
78) Pyrene	12.880	202	1563568	52.484	ng	100
80) Butylbenzylphthalate	13.498	149	423529	51.685	ng	100
81) Benzo(a)anthracene	14.068	228	1120699	51.691	ng	100
82) 3,3'-Dichlorobenzidine	14.027	252	363124	57.021	ng	98
83) Chrysene	14.104	228	990991	50.214	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	585800	51.638	ng	100
85) Di-n-octyl phthalate	14.680	149	1065626	51.078	ng	99
87) Indeno(1,2,3-cd)pyrene	17.080	276	1313336	53.091	ng	99
88) Benzo(b)fluoranthene	15.127	252	1073096	51.153	ng	100
89) Benzo(k)fluoranthene	15.162	252	967248	50.408	ng	98
90) Benzo(a)pyrene	15.504	252	996599	51.890	ng	100
91) Dibenzo(a,h)anthracene	17.103	278	1073246	53.457	ng	99
92) Benzo(g,h,i)perylene	17.539	276	1069402	52.984	ng	98

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142245.D
 Acq On : 30 Apr 2025 14:15
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/01/2025
 Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:46:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 15:28:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	187963	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	730767	20.000	ng	0.00
39) Acenaphthene-d10	9.951	164	379270	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	624729	20.000	ng	0.00
76) Chrysene-d12	14.080	240	328990	20.000	ng	0.00
86) Perylene-d12	15.568	264	361305	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1364962	115.976	ng	0.00
7) Phenol-d6	6.528	99	1663210	117.026	ng	0.00
23) Nitrobenzene-d5	7.475	82	1488103	133.783	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	447862	129.531	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2777485	103.255	ng	0.00
79) Terphenyl-d14	13.022	244	2546694	112.585	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.699	88	312897	59.528	ng	99
3) Pyridine	3.469	79	823442	60.277	ng	98
4) n-Nitrosodimethylamine	3.422	42	431685	61.063	ng	98
6) Aniline	6.575	93	1184649	58.890	ng	100
8) 2-Chlorophenol	6.693	128	740327	60.874	ng	99
9) Benzaldehyde	6.463	77	559766	56.352	ng	98
10) Phenol	6.545	94	903976m	59.085	ng	
11) bis(2-Chloroethyl)ether	6.646	93	693997	58.532	ng	99
12) 1,3-Dichlorobenzene	6.851	146	787463	57.236	ng	99
13) 1,4-Dichlorobenzene	6.928	146	791509	57.102	ng	99
14) 1,2-Dichlorobenzene	7.081	146	764397	57.765	ng	99
15) Benzyl Alcohol	7.045	79	609871	60.504	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.187	45	1249716	58.370	ng	100
17) 2-Methylphenol	7.151	107	592171	59.438	ng	99
18) Hexachloroethane	7.428	117	275661	60.761	ng	99
19) n-Nitroso-di-n-propyla...	7.328	70	506389	57.660	ng	100
20) 3+4-Methylphenols	7.310	107	730966	58.670	ng	94
22) Acetophenone	7.322	105	943225	55.792	ng	97
24) Nitrobenzene	7.498	77	708847	64.948	ng	99
25) Isophorone	7.734	82	1371824	58.764	ng	100
26) 2-Nitrophenol	7.810	139	299107	61.132	ng	97
27) 2,4-Dimethylphenol	7.840	122	691268	58.731	ng	100
28) bis(2-Chloroethoxy)met...	7.940	93	847188	57.543	ng	100
29) 2,4-Dichlorophenol	8.045	162	596890	60.658	ng	99
30) 1,2,4-Trichlorobenzene	8.134	180	628720	57.256	ng	100
31) Naphthalene	8.216	128	2026390	55.603	ng	99
32) Benzoic acid	7.951	122	349577	59.198	ng	99
33) 4-Chloroaniline	8.263	127	868158	57.207	ng	99
34) Hexachlorobutadiene	8.334	225	373284	58.266	ng	100
35) Caprolactam	8.639	113	186124	62.928	ng	94
36) 4-Chloro-3-methylphenol	8.734	107	605133	59.887	ng	99
37) 2-Methylnaphthalene	8.904	142	1257822	56.136	ng	99
38) 1-Methylnaphthalene	9.004	142	1294318	55.760	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	607614	56.925	ng	100
41) Hexachlorocyclopentadiene	9.063	237	407387	67.248	ng	100
43) 2,4,6-Trichlorophenol	9.181	196	433323	65.514	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142245.D
 Acq On : 30 Apr 2025 14:15
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/01/2025
 Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:46:00 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 15:28:40 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	422145	60.705	ng	98
46) 1,1'-Biphenyl	9.369	154	1632628	55.372	ng	100
47) 2-Chloronaphthalene	9.398	162	1234670	56.283	ng	99
48) 2-Nitroaniline	9.486	65	357897	60.490	ng	99
49) Acenaphthylene	9.810	152	2079452	56.175	ng	99
50) Dimethylphthalate	9.675	163	1395869	57.529	ng	100
51) 2,6-Dinitrotoluene	9.728	165	289353	60.986	ng	98
52) Acenaphthene	9.986	154	1219341	56.414	ng	99
53) 3-Nitroaniline	9.898	138	352271	61.278	ng	97
54) 2,4-Dinitrophenol	9.998	184	86520	61.133	ng	83
55) Dibenzofuran	10.157	168	1798627	55.513	ng	99
56) 4-Nitrophenol	10.045	139	261987	68.694	ng	98
57) 2,4-Dinitrotoluene	10.134	165	352001	60.964	ng	98
58) Fluorene	10.498	166	1348902	54.754	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.269	232	367314	63.765	ng	99
60) Diethylphthalate	10.369	149	1382905	57.717	ng	100
61) 4-Chlorophenyl-phenyle...	10.492	204	648920	55.466	ng	97
62) 4-Nitroaniline	10.516	138	319292	61.243	ng	99
63) Azobenzene	10.651	77	1362906	57.603	ng	99
65) 4,6-Dinitro-2-methylph...	10.539	198	132189	60.646	ng	96
66) n-Nitrosodiphenylamine	10.610	169	1224189	57.351	ng	99
67) 4-Bromophenyl-phenylether	10.980	248	413069	59.371	ng	100
68) Hexachlorobenzene	11.045	284	457317	58.689	ng	99
69) Atrazine	11.133	200	340471	60.513	ng	99
70) Pentachlorophenol	11.233	266	270497	65.710	ng	98
71) Phenanthrene	11.463	178	1864413	55.249	ng	100
72) Anthracene	11.516	178	1920817	55.673	ng	100
73) Carbazole	11.663	167	1751538	55.651	ng	100
74) Di-n-butylphthalate	11.998	149	1852105	58.511	ng	100
75) Fluoranthene	12.651	202	1794425	53.793	ng	98
77) Benzidine	12.769	184	883568	63.206	ng	99
78) Pyrene	12.880	202	1809576	59.627	ng	99
80) Butylbenzylphthalate	13.498	149	516723	61.167	ng	99
81) Benzo(a)anthracene	14.069	228	1299270	58.829	ng	100
82) 3,3'-Dichlorobenzidine	14.027	252	444901	68.582	ng	99
83) Chrysene	14.104	228	1181729	58.781	ng	99
84) Bis(2-ethylhexyl)phtha...	14.057	149	712716	61.002	ng	99
85) Di-n-octyl phthalate	14.680	149	1329733	61.204	ng	99
87) Indeno(1,2,3-cd)pyrene	17.086	276	1614650	61.012	ng	100
88) Benzo(b)fluoranthene	15.127	252	1275552	56.836	ng	99
89) Benzo(k)fluoranthene	15.163	252	1202952	58.601	ng	99
90) Benzo(a)pyrene	15.510	252	1232454	59.982	ng	100
91) Dibenzo(a,h)anthracene	17.110	278	1292219	60.163	ng	99
92) Benzo(g,h,i)perylene	17.545	276	1315066	60.904	ng	99

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142246.D
 Acq On : 30 Apr 2025 14:43
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/01/2025
 Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:46:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 15:28:40 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	192490	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	730774	20.000	ng	0.00
39) Acenaphthene-d10	9.951	164	381378	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	608907	20.000	ng	0.00
76) Chrysene-d12	14.080	240	323925	20.000	ng	0.00
86) Perylene-d12	15.568	264	374102	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.522	112	1741015	144.449	ng	0.00
7) Phenol-d6	6.534	99	2109624	144.946	ng	0.00
23) Nitrobenzene-d5	7.481	82	1929643	173.477	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	579431	166.657	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	3399868	125.694	ng	0.00
79) Terphenyl-d14	13.027	244	2993632	134.413	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.699	88	408111	75.816	ng	99
3) Pyridine	3.469	79	1062667	75.959	ng	99
4) n-Nitrosodimethylamine	3.434	42	562539	77.702	ng	98
6) Aniline	6.575	93	1525082	74.030	ng	99
8) 2-Chlorophenol	6.692	128	942996	75.716	ng	99
9) Benzaldehyde	6.463	77	673391	66.197	ng	99
10) Phenol	6.551	94	1130209m	72.134	ng	
11) bis(2-Chloroethyl)ether	6.651	93	871905	71.808	ng	99
12) 1,3-Dichlorobenzene	6.851	146	1000058	70.979	ng	99
13) 1,4-Dichlorobenzene	6.928	146	997448	70.267	ng	99
14) 1,2-Dichlorobenzene	7.081	146	966587	71.326	ng	99
15) Benzyl Alcohol	7.051	79	787715	76.310	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.186	45	1573151	71.749	ng	99
17) 2-Methylphenol	7.157	107	757239	74.219	ng	100
18) Hexachloroethane	7.428	117	347325	74.757	ng	99
19) n-Nitroso-di-n-propyla...	7.334	70	650174	72.291	ng	99
20) 3+4-Methylphenols	7.316	107	897475	70.340	ng	# 87
22) Acetophenone	7.328	105	1180939	69.853	ng	97
24) Nitrobenzene	7.498	77	917286	84.046	ng	100
25) Isophorone	7.739	82	1758014	75.306	ng	99
26) 2-Nitrophenol	7.810	139	416387	79.254	ng	98
27) 2,4-Dimethylphenol	7.839	122	883922	75.098	ng	100
28) bis(2-Chloroethoxy)met...	7.945	93	1070383	72.702	ng	99
29) 2,4-Dichlorophenol	8.045	162	768570	78.103	ng	99
30) 1,2,4-Trichlorobenzene	8.133	180	797476	72.623	ng	100
31) Naphthalene	8.216	128	2508082	68.820	ng	99
32) Benzoic acid	7.969	122	523215m	83.328	ng	
33) 4-Chloroaniline	8.263	127	1084543	71.465	ng	99
34) Hexachlorobutadiene	8.333	225	471301	73.564	ng	100
35) Caprolactam	8.645	113	242414	81.958	ng	97
36) 4-Chloro-3-methylphenol	8.739	107	776483	76.844	ng	99
37) 2-Methylnaphthalene	8.910	142	1559858	69.615	ng	99
38) 1-Methylnaphthalene	9.010	142	1583955	68.237	ng	99
40) 1,2,4,5-Tetrachloroben...	9.075	216	757210	70.548	ng	100
41) Hexachlorocyclopentadiene	9.063	237	523186	85.886	ng	99
43) 2,4,6-Trichlorophenol	9.180	196	545358	81.996	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142246.D
 Acq On : 30 Apr 2025 14:43
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/01/2025

Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:46:52 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Apr 30 15:28:40 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	557542	79.732	ng	99
46) 1,1'-Biphenyl	9.375	154	2006955	67.691	ng	99
47) 2-Chloronaphthalene	9.398	162	1547207	70.140	ng	99
48) 2-Nitroaniline	9.486	65	481954	79.390	ng	97
49) Acenaphthylene	9.816	152	2555385	68.650	ng	99
50) Dimethylphthalate	9.675	163	1757977	72.052	ng	99
51) 2,6-Dinitrotoluene	9.733	165	379127	78.246	ng	97
52) Acenaphthene	9.986	154	1517991	69.843	ng	99
53) 3-Nitroaniline	9.904	138	456571	78.061	ng	96
54) 2,4-Dinitrophenol	10.004	184	129817	79.532	ng	# 28
55) Dibenzofuran	10.157	168	2237085	68.664	ng	98
56) 4-Nitrophenol	10.045	139	335015	87.357	ng	97
57) 2,4-Dinitrotoluene	10.133	165	467545	78.915	ng	99
58) Fluorene	10.498	166	1634486	65.980	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.269	232	465050	80.286	ng	99
60) Diethylphthalate	10.375	149	1717661	71.292	ng	99
61) 4-Chlorophenyl-phenyle...	10.492	204	802224	68.190	ng	98
62) 4-Nitroaniline	10.522	138	410928	77.614	ng	98
63) Azobenzene	10.651	77	1674434	70.379	ng	99
65) 4,6-Dinitro-2-methylph...	10.545	198	183184	81.749	ng	96
66) n-Nitrosodiphenylamine	10.610	169	1518420	72.983	ng	99
67) 4-Bromophenyl-phenylether	10.980	248	514462	75.866	ng	97
68) Hexachlorobenzene	11.045	284	577203	75.999	ng	98
69) Atrazine	11.133	200	423886	77.296	ng	99
70) Pentachlorophenol	11.233	266	350009	87.235	ng	99
71) Phenanthrene	11.463	178	2288481	69.578	ng	99
72) Anthracene	11.516	178	2336551	69.482	ng	100
73) Carbazole	11.663	167	2087769	68.058	ng	99
74) Di-n-butylphthalate	11.998	149	2221417	72.002	ng	100
75) Fluoranthene	12.651	202	2137636	65.747	ng	98
77) Benzidine	12.768	184	1049467	76.247	ng	99
78) Pyrene	12.880	202	2118847	70.910	ng	99
80) Butylbenzylphthalate	13.498	149	659574	78.197	ng	98
81) Benzo(a)anthracene	14.068	228	1586778	72.970	ng	100
82) 3,3'-Dichlorobenzidine	14.033	252	563738	88.259	ng	99
83) Chrysene	14.104	228	1474094	74.470	ng	99
84) Bis(2-ethylhexyl)phtha...	14.057	149	915684	78.547	ng	100
85) Di-n-octyl phthalate	14.680	149	1722215	78.594	ng	100
87) Indeno(1,2,3-cd)pyrene	17.092	276	2128475	77.677	ng	99
88) Benzo(b)fluoranthene	15.133	252	1798083	77.378	ng	99
89) Benzo(k)fluoranthene	15.162	252	1439304	67.716	ng	100
90) Benzo(a)pyrene	15.509	252	1610193	75.685	ng	99
91) Dibenzo(a,h)anthracene	17.115	278	1712182	76.989	ng	99
92) Benzo(g,h,i)perylene	17.551	276	1738450	77.757	ng	99

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

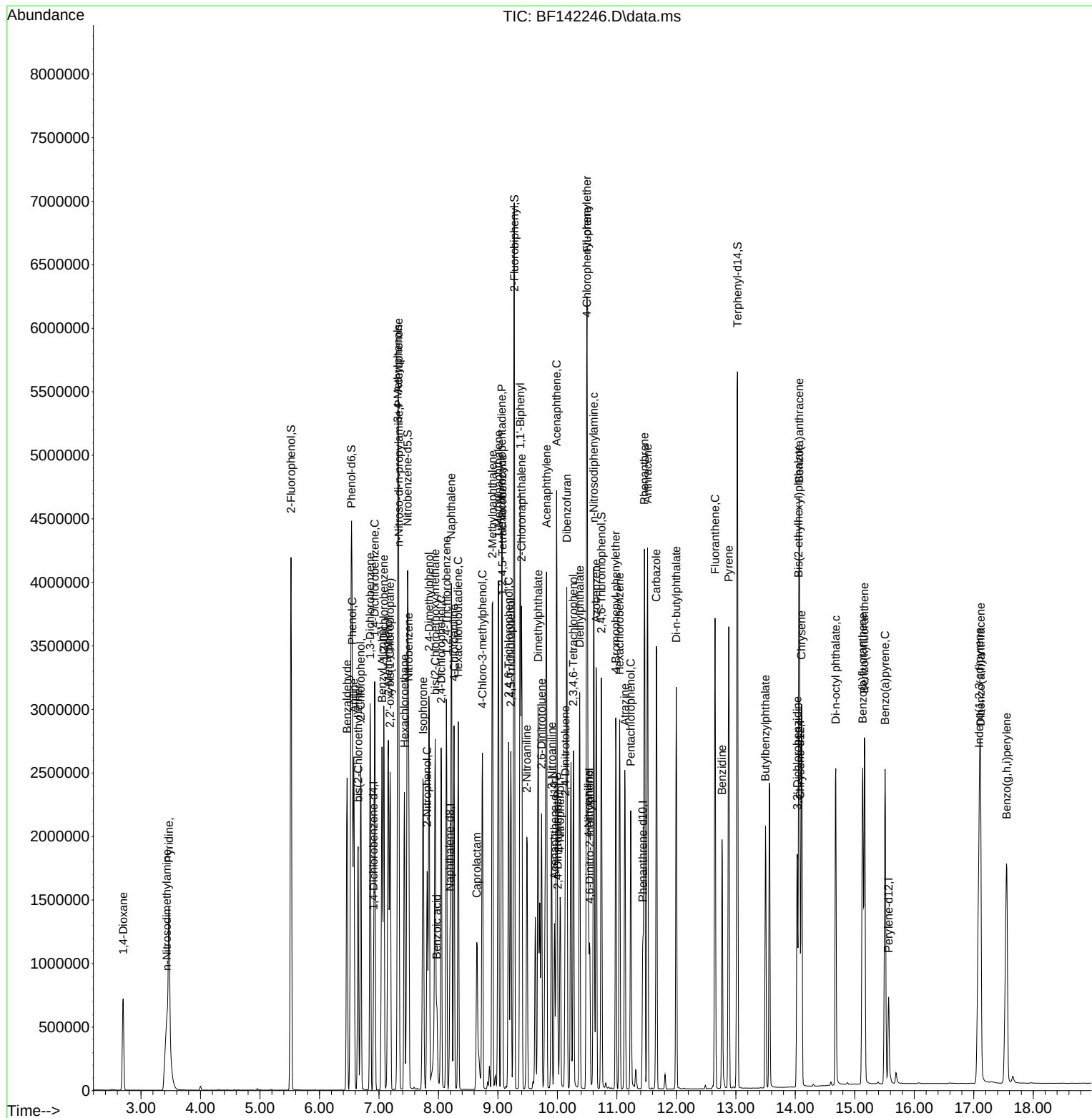
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142246.D
 Acq On : 30 Apr 2025 14:43
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
 Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 15:46:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 15:28:40 2025
 Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142247.D
 Acq On : 30 Apr 2025 16:17
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF043025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/01/2025
 Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 16:36:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	185327	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	725482	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	381170	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	633040	20.000	ng	0.00
76) Chrysene-d12	14.074	240	345729	20.000	ng	0.00
86) Perylene-d12	15.562	264	342826	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	987704	85.116	ng	0.00
7) Phenol-d6	6.522	99	1201328	85.730	ng	0.00
23) Nitrobenzene-d5	7.469	82	1091522	98.845	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	323319	93.044	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2157499	79.807	ng	0.00
79) Terphenyl-d14	13.021	244	2037561	85.716	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.699	88	219939	42.438	ng	98
3) Pyridine	3.469	79	572034	42.469	ng	99
4) n-Nitrosodimethylamine	3.416	42	299316	42.942	ng	96
6) Aniline	6.569	93	844910	42.598	ng	99
8) 2-Chlorophenol	6.692	128	530021	44.202	ng	98
9) Benzaldehyde	6.457	77	420408	42.925	ng	99
10) Phenol	6.539	94	645155m	42.765	ng	
11) bis(2-Chloroethyl)ether	6.639	93	494843	42.329	ng	98
12) 1,3-Dichlorobenzene	6.851	146	567280	41.819	ng	99
13) 1,4-Dichlorobenzene	6.928	146	572974	41.924	ng	100
14) 1,2-Dichlorobenzene	7.081	146	551216	42.247	ng	99
15) Benzyl Alcohol	7.045	79	431108	43.378	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	901053	42.684	ng	99
17) 2-Methylphenol	7.151	107	415403	42.288	ng	98
18) Hexachloroethane	7.422	117	197959	44.255	ng	95
19) n-Nitroso-di-n-propyla...	7.322	70	363621	41.992	ng	99
20) 3+4-Methylphenols	7.304	107	539514	43.919	ng	98
22) Acetophenone	7.316	105	695539	41.441	ng	98
24) Nitrobenzene	7.492	77	513604	47.402	ng	99
25) Isophorone	7.728	82	968502	41.789	ng	100
26) 2-Nitrophenol	7.804	139	219881	48.175	ng	100
27) 2,4-Dimethylphenol	7.833	122	502502	43.004	ng	100
28) bis(2-Chloroethoxy)met...	7.939	93	610669	41.780	ng	99
29) 2,4-Dichlorophenol	8.039	162	429967	44.013	ng	99
30) 1,2,4-Trichlorobenzene	8.133	180	454848	41.724	ng	100
31) Naphthalene	8.216	128	1483568	41.005	ng	100
32) Benzoic acid	7.933	122	246172m	45.113	ng	
33) 4-Chloroaniline	8.257	127	622894	41.344	ng	100
34) Hexachlorobutadiene	8.333	225	267940	42.127	ng	99
35) Caprolactam	8.622	113	130473	44.434	ng	98
36) 4-Chloro-3-methylphenol	8.728	107	436215	43.485	ng	100
37) 2-Methylnaphthalene	8.904	142	915474	41.155	ng	100
38) 1-Methylnaphthalene	9.004	142	950163	41.232	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	443561	41.349	ng	100
41) Hexachlorocyclopentadiene	9.057	237	288102	47.321	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	303872	45.713	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142247.D
 Acq On : 30 Apr 2025 16:17
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF043025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/01/2025
 Supervised By :Jagrut Upadhyay 05/01/2025

Quant Time: Apr 30 16:36:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

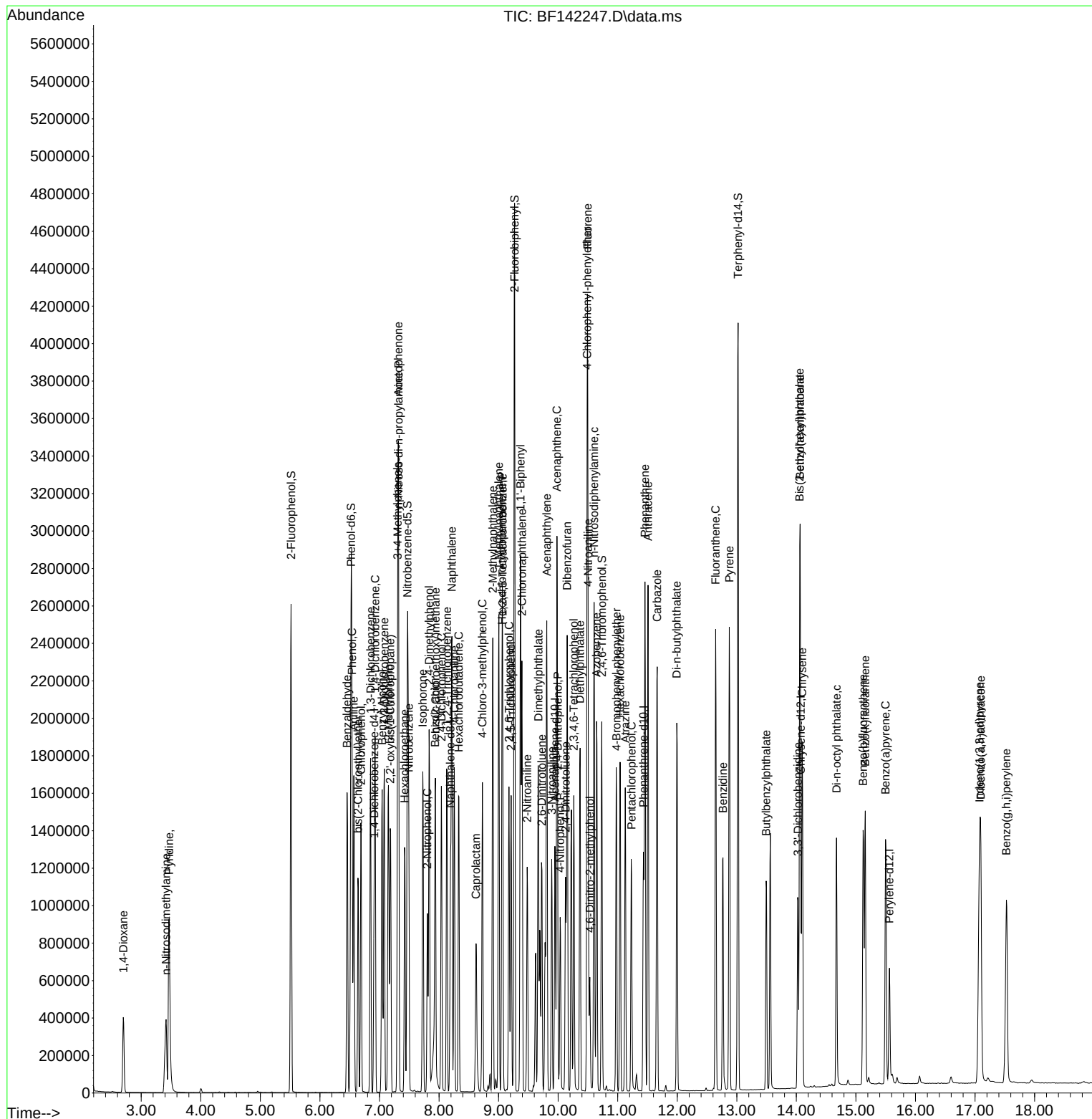
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	312237	44.676	ng	99
46) 1,1'-Biphenyl	9.369	154	1213047	40.936	ng	100
47) 2-Chloronaphthalene	9.392	162	903974	41.003	ng	99
48) 2-Nitroaniline	9.480	65	269528	46.523	ng	95
49) Acenaphthylene	9.810	152	1533164	41.211	ng	100
50) Dimethylphthalate	9.669	163	1025498	42.054	ng	100
51) 2,6-Dinitrotoluene	9.727	165	211107	45.376	ng	96
52) Acenaphthene	9.980	154	904325	41.631	ng	99
53) 3-Nitroaniline	9.892	138	257926	45.509	ng	96
54) 2,4-Dinitrophenol	9.992	184	62568	49.090	ng	# 6
55) Dibenzofuran	10.151	168	1340934	41.181	ng	100
56) 4-Nitrophenol	10.033	139	191463	49.952	ng	99
57) 2,4-Dinitrotoluene	10.127	165	265412	46.994	ng	96
58) Fluorene	10.492	166	1008032	40.714	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	264709	45.724	ng	100
60) Diethylphthalate	10.369	149	1016722	42.222	ng	100
61) 4-Chlorophenyl-phenyle...	10.486	204	477688	40.626	ng	99
62) 4-Nitroaniline	10.504	138	232165	45.070	ng	98
63) Azobenzene	10.645	77	984443	41.400	ng	99
65) 4,6-Dinitro-2-methylph...	10.533	198	96341	46.598	ng	95
66) n-Nitrosodiphenylamine	10.604	169	904466	41.816	ng	100
67) 4-Bromophenyl-phenylether	10.980	248	299605	42.497	ng	98
68) Hexachlorobenzene	11.039	284	330048	41.800	ng	97
69) Atrazine	11.127	200	255030	44.732	ng	99
70) Pentachlorophenol	11.233	266	197476	47.342	ng	99
71) Phenanthrene	11.457	178	1400439	40.955	ng	100
72) Anthracene	11.510	178	1463247	41.854	ng	100
73) Carbazole	11.663	167	1332856	41.793	ng	99
74) Di-n-butylphthalate	11.992	149	1412919	44.051	ng	100
75) Fluoranthene	12.645	202	1409189	41.690	ng	99
77) Benzidine	12.768	184	682155	46.435	ng	99
78) Pyrene	12.874	202	1405875	44.082	ng	100
80) Butylbenzylphthalate	13.492	149	371146	42.984	ng	98
81) Benzo(a)anthracene	14.062	228	960484	41.383	ng	99
82) 3,3'-Dichlorobenzidine	14.027	252	310153	45.495	ng	98
83) Chrysene	14.098	228	890671	42.158	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	487122	40.882	ng	99
85) Di-n-octyl phthalate	14.674	149	889844	41.178	ng	100
87) Indeno(1,2,3-cd)pyrene	17.074	276	1098774	43.757	ng	99
88) Benzo(b)fluoranthene	15.121	252	860370	40.403	ng	100
89) Benzo(k)fluoranthene	15.157	252	811540	41.665	ng	99
90) Benzo(a)pyrene	15.498	252	826250	42.380	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	887855	43.565	ng	99
92) Benzo(g,h,i)perylene	17.527	276	899474	43.902	ng	99

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

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/01/2025
Supervised By :Jagrut Upadhyay 05/01/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142247.D
 Acq On : 30 Apr 2025 16:17
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF043025

Quant Time: Apr 30 16:36:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 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	103	0.00
2	1,4-Dioxane	0.559	0.593	-6.1	103	0.00
3	Pyridine	1.454	1.543	-6.1	104	0.00
4	n-Nitrosodimethylamine	0.752	0.808	-7.4	103	0.00
5 S	2-Fluorophenol	1.252	1.332	-6.4	104	0.00
6	Aniline	2.140	2.280	-6.5	105	0.00
7 S	Phenol-d6	1.512	1.621	-7.2	105	0.00
8	2-Chlorophenol	1.294	1.430	-10.5	107	0.00
9	Benzaldehyde	1.057	1.134	-7.3	105	0.00
10 C	Phenol	1.628	1.741	-6.9	105	0.00
11	bis(2-Chloroethyl)ether	1.262	1.335	-5.8	104	0.00
12	1,3-Dichlorobenzene	1.464	1.530	-4.5	103	0.00
13 C	1,4-Dichlorobenzene	1.475	1.546	-4.8	103	0.00
14	1,2-Dichlorobenzene	1.408	1.487	-5.6	104	0.00
15	Benzyl Alcohol	1.073	1.163	-8.4	104	0.00
16	2,2'-oxybis(1-Chloropropane	2.278	2.431	-6.7	105	0.00
17	2-Methylphenol	1.060	1.121	-5.8	103	0.00
18	Hexachloroethane	0.483	0.534	-10.6	108	0.00
19 P	n-Nitroso-di-n-propylamine	0.934	0.981	-5.0	104	0.00
20	3+4-Methylphenols	1.326	1.456	-9.8	107	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22	Acetophenone	0.463	0.479	-3.5	105	0.00
23 S	Nitrobenzene-d5	0.304	0.376	-23.7	114	0.00
24	Nitrobenzene	0.299	0.354	-18.4	111	0.00
25	Isophorone	0.639	0.667	-4.4	104	0.00
26 C	2-Nitrophenol	0.102	0.152	-49.0#	135	0.00
27	2,4-Dimethylphenol	0.322	0.346	-7.5	106	0.00
28	bis(2-Chloroethoxy)methane	0.403	0.421	-4.5	104	0.00
29 C	2,4-Dichlorophenol	0.269	0.296	-10.0	105	0.00
30	1,2,4-Trichlorobenzene	0.301	0.313	-4.0	103	0.00
31	Naphthalene	0.997	1.022	-2.5	103	0.00
32	Benzoic acid	0.125	0.170	-36.0#	134	0.00
33	4-Chloroaniline	0.415	0.429	-3.4	103	0.00
34 C	Hexachlorobutadiene	0.175	0.185	-5.7	103	0.00
35	Caprolactam	0.081	0.090	-11.1	106	0.00
36 C	4-Chloro-3-methylphenol	0.277	0.301	-8.7	105	0.00
37	2-Methylnaphthalene	0.613	0.631	-2.9	104	0.00
38	1-Methylnaphthalene	0.635	0.655	-3.1	103	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
40	1,2,4,5-Tetrachlorobenzene	0.563	0.582	-3.4	104	0.00
41 P	Hexachlorocyclopentadiene	0.319	0.378	-18.5	110	0.00
42 S	2,4,6-Tribromophenol	0.182	0.212	-16.5	107	0.00
43 C	2,4,6-Trichlorophenol	0.349	0.399	-14.3	111	0.00
44	2,4,5-Trichlorophenol	0.367	0.410	-11.7	104	0.00
45 S	2-Fluorobiphenyl	1.418	1.415	0.2	103	0.00
46	1,1'-Biphenyl	1.555	1.591	-2.3	103	0.00
47	2-Chloronaphthalene	1.157	1.186	-2.5	103	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142247.D
 Acq On : 30 Apr 2025 16:17
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF043025

Quant Time: Apr 30 16:36:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 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	0.249	0.354	-42.2#	123	0.00
49	Acenaphthylene	1.952	2.011	-3.0	103	0.00
50	Dimethylphthalate	1.280	1.345	-5.1	105	0.00
51	2,6-Dinitrotoluene	0.204	0.277	-35.8#	118	0.00
52 C	Acenaphthene	1.140	1.186	-4.0	104	0.00
53	3-Nitroaniline	0.257	0.338	-31.5#	117	0.00
54 P	2,4-Dinitrophenol	0.058	0.082	-41.4#	148	0.00
55	Dibenzofuran	1.709	1.759	-2.9	104	0.00
56 P	4-Nitrophenol	0.201	0.251	-24.9	120	0.00
57	2,4-Dinitrotoluene	0.239	0.348	-45.6#	126	0.00
58	Fluorene	1.299	1.322	-1.8	103	0.00
59	2,3,4,6-Tetrachlorophenol	0.304	0.347	-14.1	107	0.00
60	Diethylphthalate	1.263	1.334	-5.6	104	0.00
61	4-Chlorophenyl-phenylether	0.617	0.627	-1.6	102	0.00
62	4-Nitroaniline	0.238	0.305	-28.2#	115	0.00
63	Azobenzene	1.248	1.291	-3.4	104	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00
65	4,6-Dinitro-2-methylphenol	0.054	0.076	-40.7#	142	0.00
66 c	n-Nitrosodiphenylamine	0.683	0.714	-4.5	103	0.00
67	4-Bromophenyl-phenylether	0.223	0.237	-6.3	103	0.00
68	Hexachlorobenzene	0.249	0.261	-4.8	103	0.00
69	Atrazine	0.180	0.201	-11.7	109	0.00
70 C	Pentachlorophenol	0.132	0.156	-18.2	111	0.00
71	Phenanthrene	1.080	1.106	-2.4	102	0.00
72	Anthracene	1.105	1.156	-4.6	105	0.00
73	Carbazole	1.008	1.053	-4.5	105	0.00
74	Di-n-butylphthalate	1.013	1.116	-10.2	107	0.00
75 C	Fluoranthene	1.068	1.113	-4.2	105	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	104	0.00
77	Benzidine	0.850	0.987	-16.1	107	0.00
78	Pyrene	1.845	2.033	-10.2	105	0.00
79 S	Terphenyl-d14	1.375	1.473	-7.1	104	0.00
80	Butylbenzylphthalate	0.425	0.537	-26.4#	111	0.00
81	Benzo(a)anthracene	1.343	1.389	-3.4	101	0.00
82	3,3'-Dichlorobenzidine	0.394	0.449	-14.0	106	0.00
83	Chrysene	1.222	1.288	-5.4	109	0.00
84	Bis(2-ethylhexyl)phthalate	0.604	0.704	-16.6	106	0.00
85 c	Di-n-octyl phthalate	1.133	1.287	-13.6	106	0.00
86 I	Perylene-d12	1.000	1.000	0.0	104	0.00
87	Indeno(1,2,3-cd)pyrene	1.465	1.603	-9.4	104	0.00
88	Benzo(b)fluoranthene	1.242	1.255	-1.0	101	0.00
89	Benzo(k)fluoranthene	1.136	1.184	-4.2	108	0.00
90 C	Benzo(a)pyrene	1.137	1.205	-6.0	105	0.00
91	Dibenzo(a,h)anthracene	1.189	1.295	-8.9	103	0.00
92	Benzo(g,h,i)perylene	1.195	1.312	-9.8	105	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142247.D
 Acq On : 30 Apr 2025 16:17
 Operator : RC/JU
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Quant Time: Apr 30 16:36:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 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	103	0.00
2	1,4-Dioxane	40.000	42.438	-6.1	103	0.00
3	Pyridine	40.000	42.469	-6.2	104	0.00
4	n-Nitrosodimethylamine	40.000	42.942	-7.4	103	0.00
5 S	2-Fluorophenol	80.000	85.116	-6.4	104	0.00
6	Aniline	40.000	42.598	-6.5	105	0.00
7 S	Phenol-d6	80.000	85.730	-7.2	105	0.00
8	2-Chlorophenol	40.000	44.202	-10.5	107	0.00
9	Benzaldehyde	40.000	42.925	-7.3	105	0.00
10 C	Phenol	40.000	42.765	-6.9	105	0.00
11	bis(2-Chloroethyl)ether	40.000	42.329	-5.8	104	0.00
12	1,3-Dichlorobenzene	40.000	41.819	-4.5	103	0.00
13 C	1,4-Dichlorobenzene	40.000	41.924	-4.8	103	0.00
14	1,2-Dichlorobenzene	40.000	42.247	-5.6	104	0.00
15	Benzyl Alcohol	40.000	43.378	-8.4	104	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	42.684	-6.7	105	0.00
17	2-Methylphenol	40.000	42.288	-5.7	103	0.00
18	Hexachloroethane	40.000	44.255	-10.6	108	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	41.992	-5.0	104	0.00
20	3+4-Methylphenols	40.000	43.919	-9.8	107	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22	Acetophenone	40.000	41.441	-3.6	105	0.00
23 S	Nitrobenzene-d5	80.000	98.845	-23.6	114	0.00
24	Nitrobenzene	40.000	47.402	-18.5	111	0.00
25	Isophorone	40.000	41.789	-4.5	104	0.00
26 C	2-Nitrophenol	40.000	48.175	-20.4#	135	0.00
27	2,4-Dimethylphenol	40.000	43.004	-7.5	106	0.00
28	bis(2-Chloroethoxy)methane	40.000	41.780	-4.5	104	0.00
29 C	2,4-Dichlorophenol	40.000	44.013	-10.0	105	0.00
30	1,2,4-Trichlorobenzene	40.000	41.724	-4.3	103	0.00
31	Naphthalene	40.000	41.005	-2.5	103	0.00
32	Benzoic acid	40.000	45.113	-12.8	134	0.00
33	4-Chloroaniline	40.000	41.344	-3.4	103	0.00
34 C	Hexachlorobutadiene	40.000	42.127	-5.3	103	0.00
35	Caprolactam	40.000	44.434	-11.1	106	0.00
36 C	4-Chloro-3-methylphenol	40.000	43.485	-8.7	105	0.00
37	2-Methylnaphthalene	40.000	41.155	-2.9	104	0.00
38	1-Methylnaphthalene	40.000	41.232	-3.1	103	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	103	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	41.349	-3.4	104	0.00
41 P	Hexachlorocyclopentadiene	40.000	47.321	-18.3	110	0.00
42 S	2,4,6-Tribromophenol	80.000	93.044	-16.3	107	0.00
43 C	2,4,6-Trichlorophenol	40.000	45.713	-14.3	111	0.00
44	2,4,5-Trichlorophenol	40.000	44.676	-11.7	104	0.00
45 S	2-Fluorobiphenyl	80.000	79.807	0.2	103	0.00
46	1,1'-Biphenyl	40.000	40.936	-2.3	103	0.00
47	2-Chloronaphthalene	40.000	41.003	-2.5	103	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
 Data File : BF142247.D
 Acq On : 30 Apr 2025 16:17
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF043025

Quant Time: Apr 30 16:36:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 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	46.523	-16.3	123	0.00
49	Acenaphthylene	40.000	41.211	-3.0	103	0.00
50	Dimethylphthalate	40.000	42.054	-5.1	105	0.00
51	2,6-Dinitrotoluene	40.000	45.376	-13.4	118	0.00
52 C	Acenaphthene	40.000	41.631	-4.1	104	0.00
53	3-Nitroaniline	40.000	45.509	-13.8	117	0.00
54 P	2,4-Dinitrophenol	40.000	49.090	-22.7	148	0.00
55	Dibenzofuran	40.000	41.181	-3.0	104	0.00
56 P	4-Nitrophenol	40.000	49.952	-24.9	120	0.00
57	2,4-Dinitrotoluene	40.000	46.994	-17.5	126	0.00
58	Fluorene	40.000	40.714	-1.8	103	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	45.724	-14.3	107	0.00
60	Diethylphthalate	40.000	42.222	-5.6	104	0.00
61	4-Chlorophenyl-phenylether	40.000	40.626	-1.6	102	0.00
62	4-Nitroaniline	40.000	45.070	-12.7	115	0.00
63	Azobenzene	40.000	41.400	-3.5	104	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	103	0.00
65	4,6-Dinitro-2-methylphenol	40.000	46.598	-16.5	142	0.00
66 c	n-Nitrosodiphenylamine	40.000	41.816	-4.5	103	0.00
67	4-Bromophenyl-phenylether	40.000	42.497	-6.2	103	0.00
68	Hexachlorobenzene	40.000	41.800	-4.5	103	0.00
69	Atrazine	40.000	44.732	-11.8	109	0.00
70 C	Pentachlorophenol	40.000	47.342	-18.4	111	0.00
71	Phenanthrene	40.000	40.955	-2.4	102	0.00
72	Anthracene	40.000	41.854	-4.6	105	0.00
73	Carbazole	40.000	41.793	-4.5	105	0.00
74	Di-n-butylphthalate	40.000	44.051	-10.1	107	0.00
75 C	Fluoranthene	40.000	41.690	-4.2	105	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	104	0.00
77	Benzydine	40.000	46.435	-16.1	107	0.00
78	Pyrene	40.000	44.082	-10.2	105	0.00
79 S	Terphenyl-d14	80.000	85.716	-7.1	104	0.00
80	Butylbenzylphthalate	40.000	42.984	-7.5	111	0.00
81	Benzo(a)anthracene	40.000	41.383	-3.5	101	0.00
82	3,3'-Dichlorobenzidine	40.000	45.495	-13.7	106	0.00
83	Chrysene	40.000	42.158	-5.4	109	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	40.882	-2.2	106	0.00
85 c	Di-n-octyl phthalate	40.000	41.178	-2.9	106	0.00
86 I	Perylene-d12	20.000	20.000	0.0	104	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	43.757	-9.4	104	0.00
88	Benzo(b)fluoranthene	40.000	40.403	-1.0	101	0.00
89	Benzo(k)fluoranthene	40.000	41.665	-4.2	108	0.00
90 C	Benzo(a)pyrene	40.000	42.380	-6.0	105	0.00
91	Dibenzo(a,h)anthracene	40.000	43.565	-8.9	103	0.00
92	Benzo(g,h,i)perylene	40.000	43.902	-9.8	105	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142247.D
Acq On : 30 Apr 2025 16:17
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF043025

Quant Time: Apr 30 16:36:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

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

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

(#) = Out of Range

SPCC's out = 0 CCC's out = 1



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG No.: Q1914
 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
Phenol-d6		1.290	1.318	1.398	1.543	1.537	1.436	7.1
Nitrobenzene-d5		0.386	0.374	0.397	0.434	0.433	0.406	5.7
Naphthalene		1.001	0.959	0.993	1.066	1.057	1.013	3.8
2-Fluorobiphenyl		1.588	1.555	1.632	1.807	1.822	1.691	6.2
Acenaphthylene		1.794	1.715	1.810	1.972	1.971	1.857	5.1
Acenaphthene		1.038	0.998	1.046	1.133	1.145	1.075	4.9
Fluorene		1.387	1.343	1.431	1.558	1.573	1.463	5.8
2,4,6-Tribromophenol		0.253	0.249	0.281	0.318	0.329	0.296	11.6
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
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
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
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
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

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

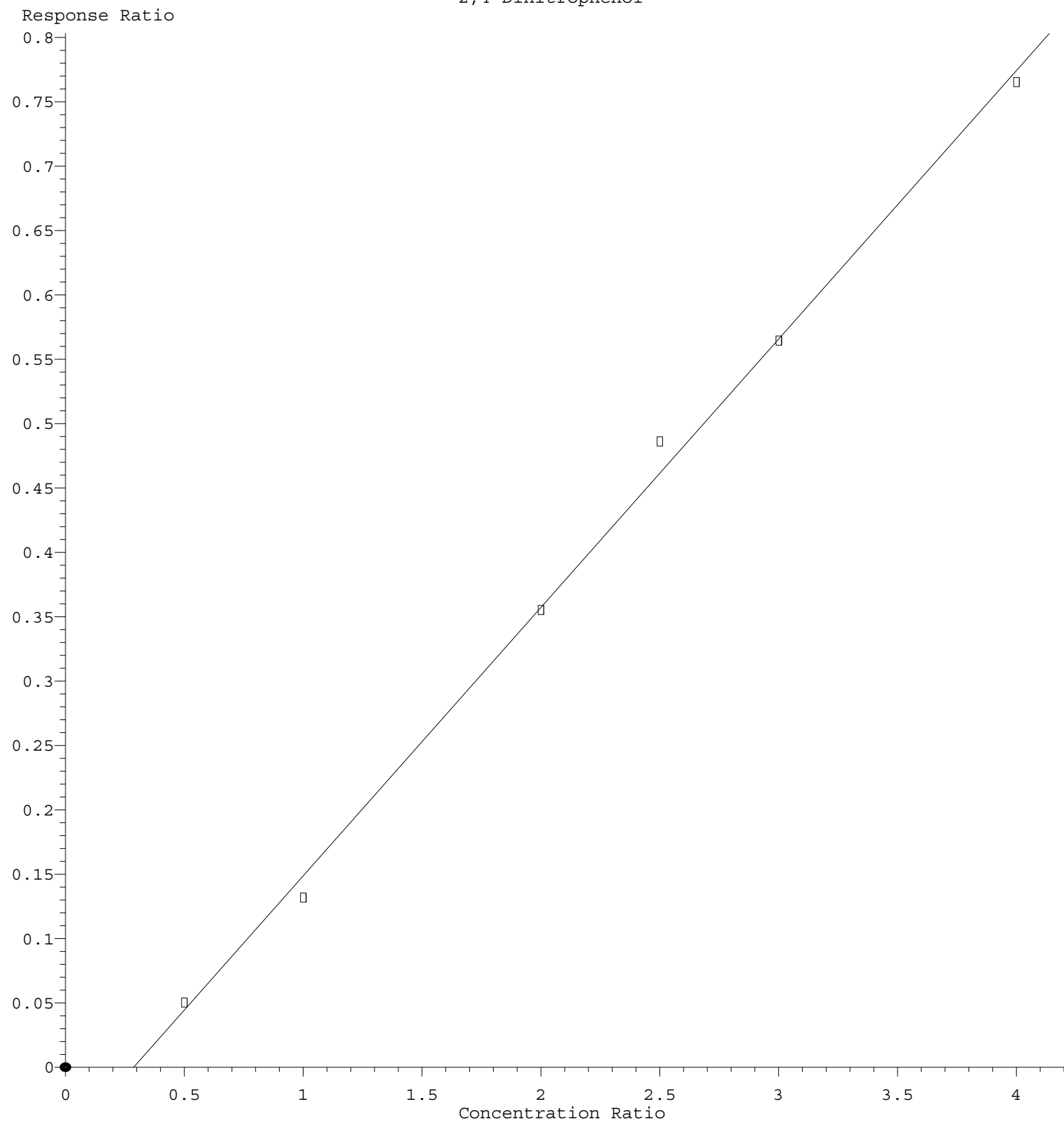
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.624	0.622	0.655	0.742	0.745	0.725	0.733	0.692	8.17	
41) P	Hexachlorocycl...	0.303	0.362	0.455	0.468	0.467	0.483	0.423	17.30		
42) S	2,4,6-Tribromo...	0.253	0.249	0.281	0.318	0.329	0.318	0.323	0.296	11.61	
43) C	2,4,6-Trichlor...	0.372	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



$$\text{Response} = 2.086\text{e-}001 * \text{Amt} - 5.991\text{e-}002$$

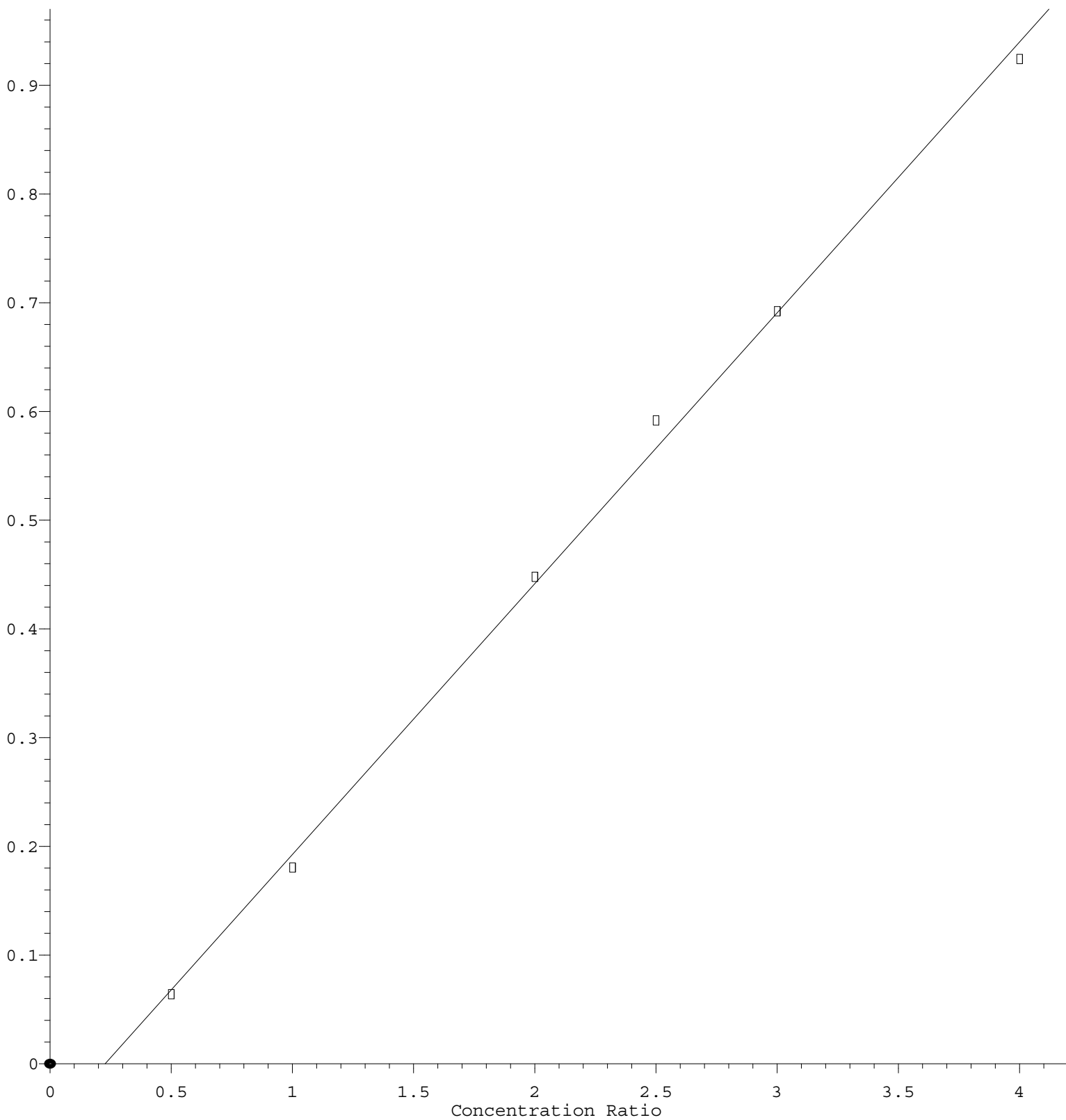
Coef of Det (r^2) = 0.997215 Curve Fit: Linear

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

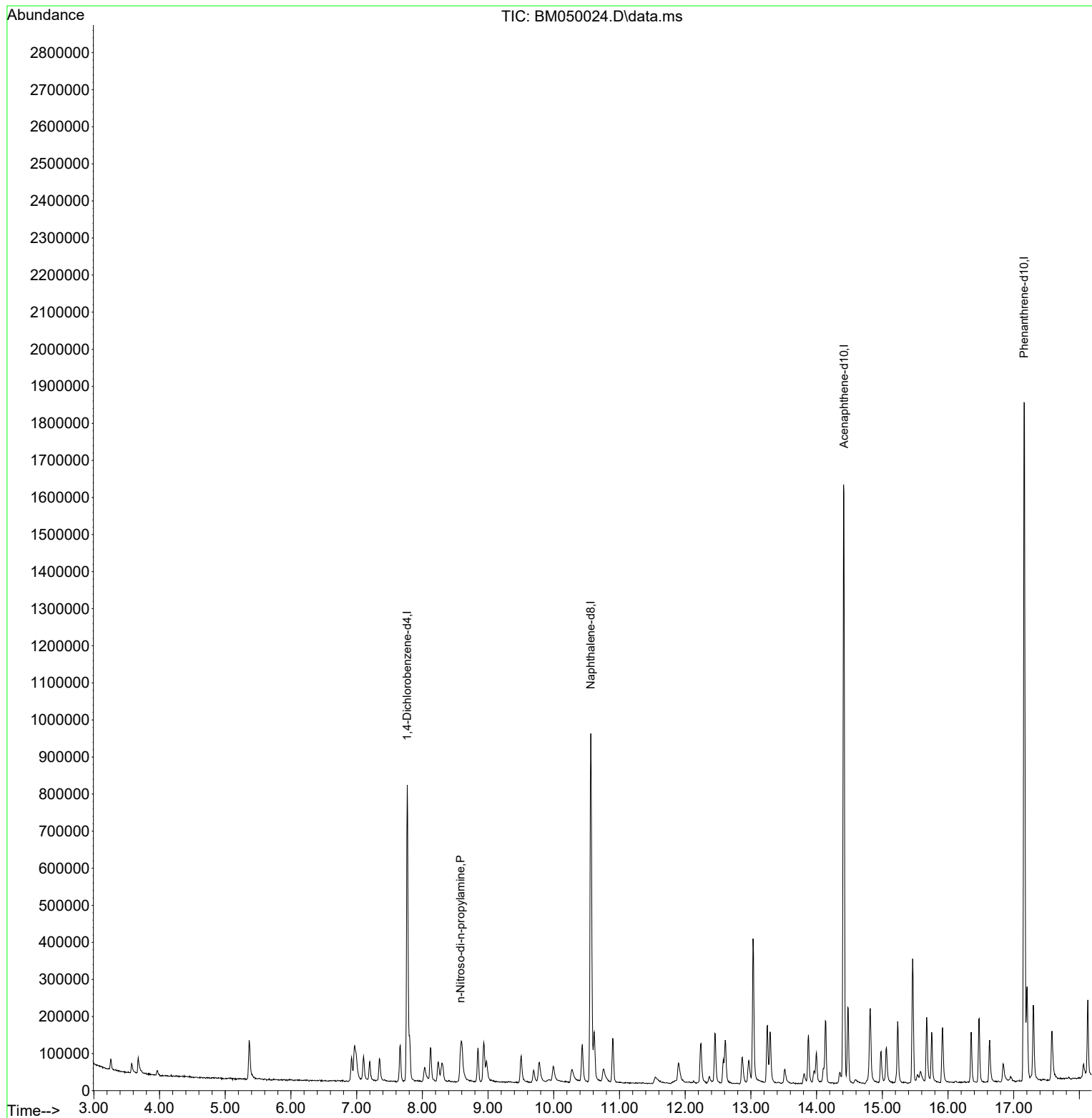
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.769	152	241974	20.000	ng	0.00
21) Naphthalene-d8	10.563	136	868675	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	604723	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1218544	20.000	ng	0.00
76) Chrysene-d12	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						Qvalue
19) n-Nitroso-di-n-propyla...	8.581	70	24247	2.177	ng	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

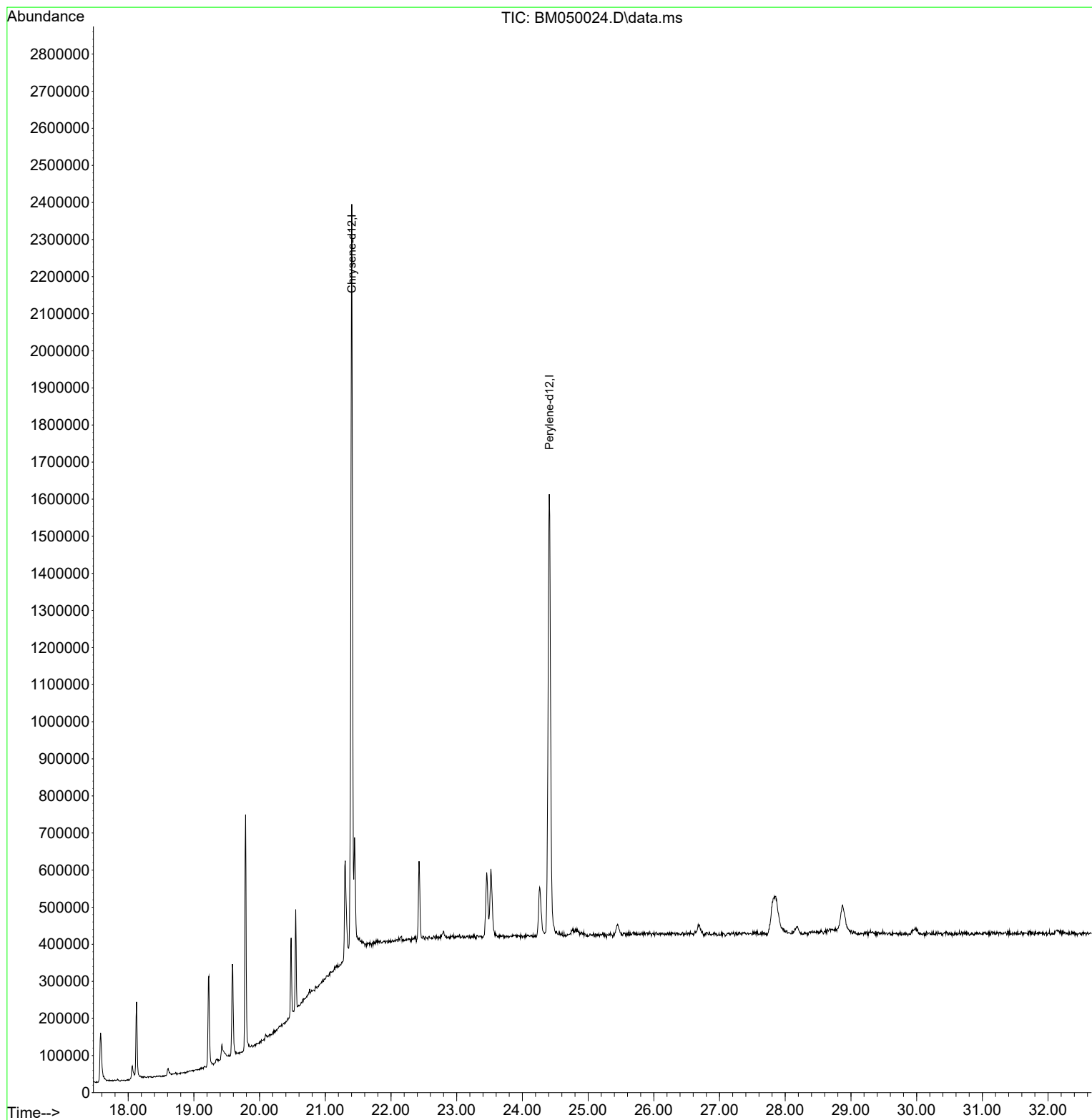
Quant Time: Apr 28 17:52:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



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

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

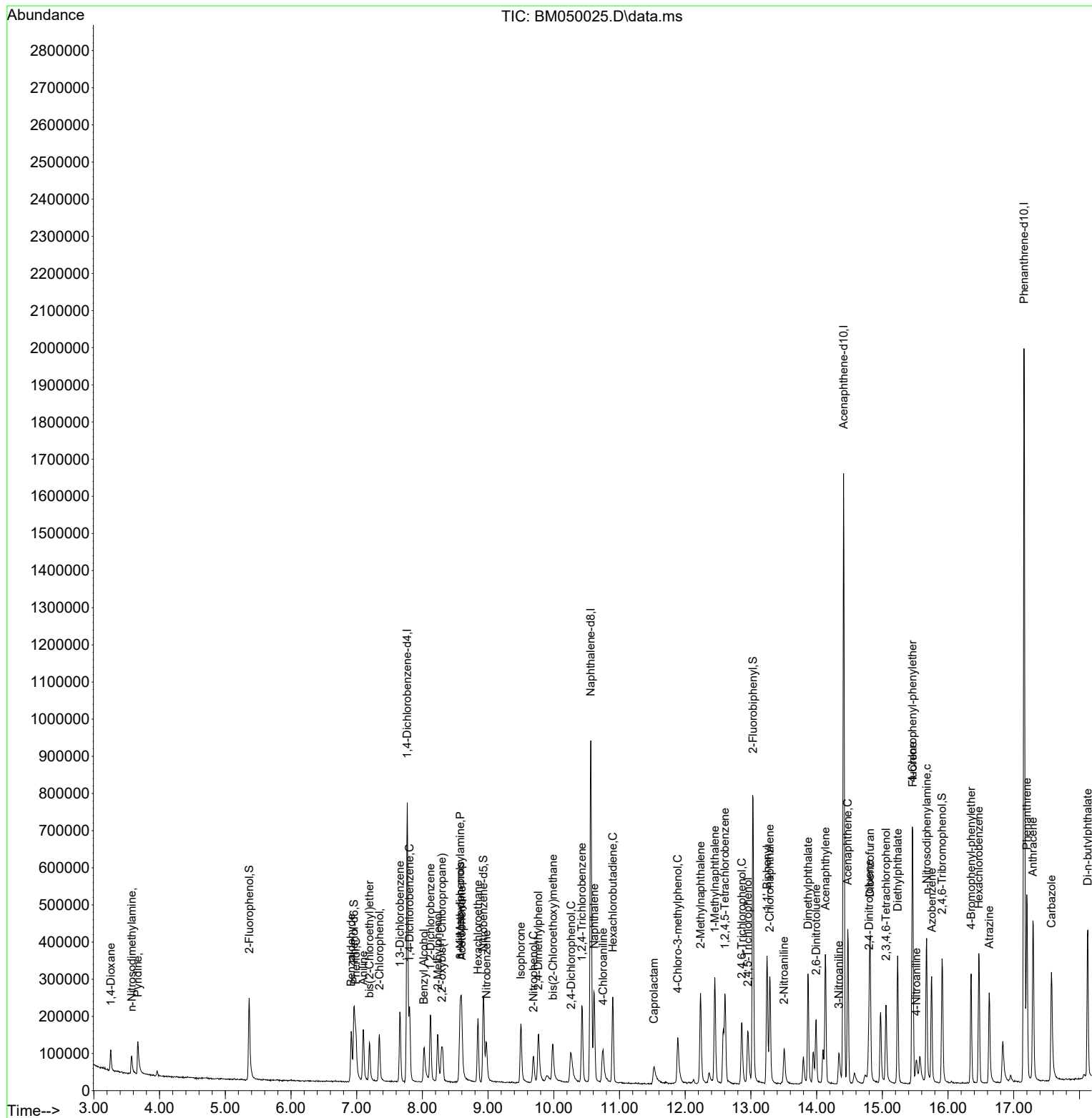
Quant Time: Apr 28 17:53:22 2025

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



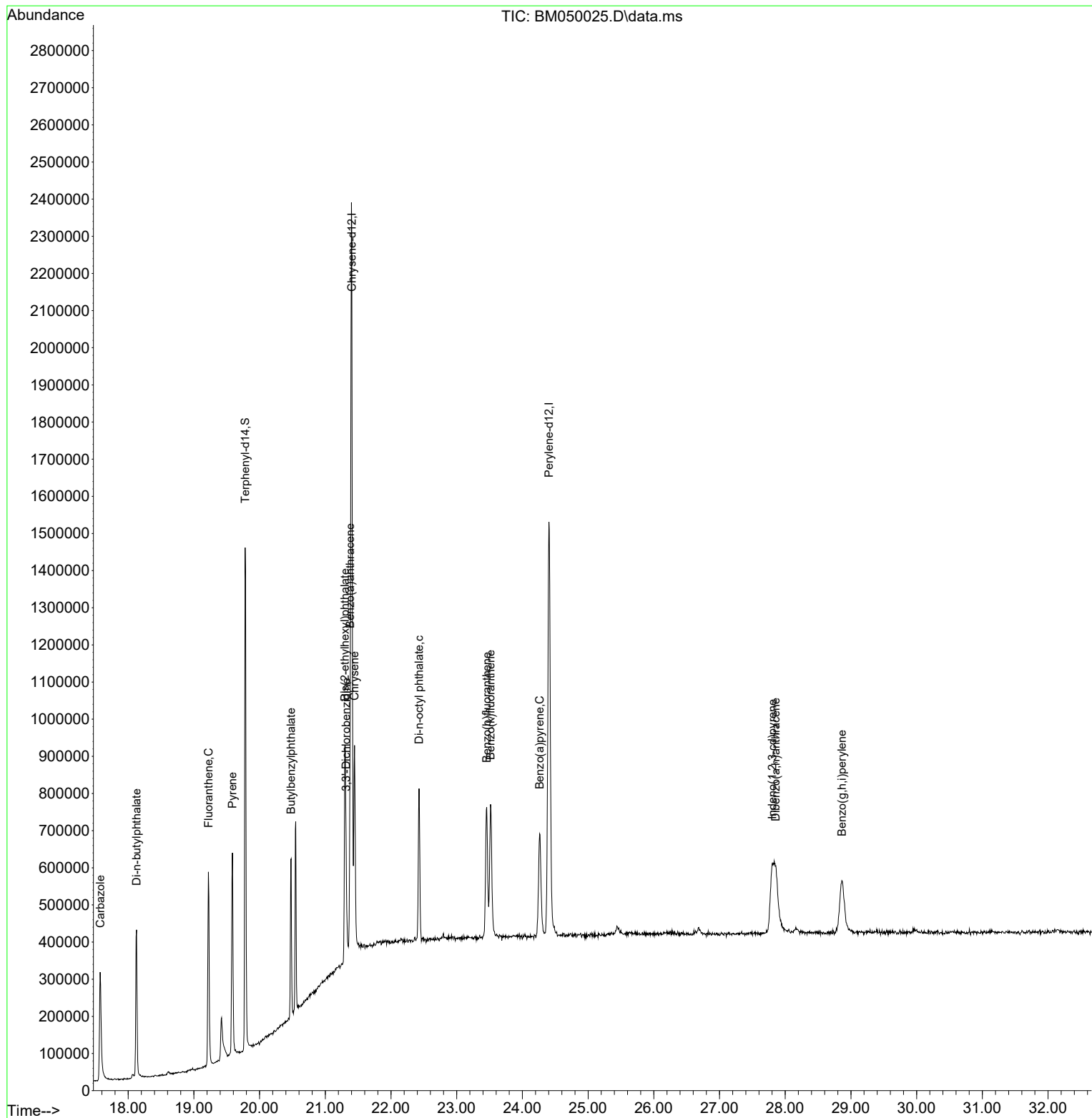
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050025.D
Acq On : 28 Apr 2025 13:09
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

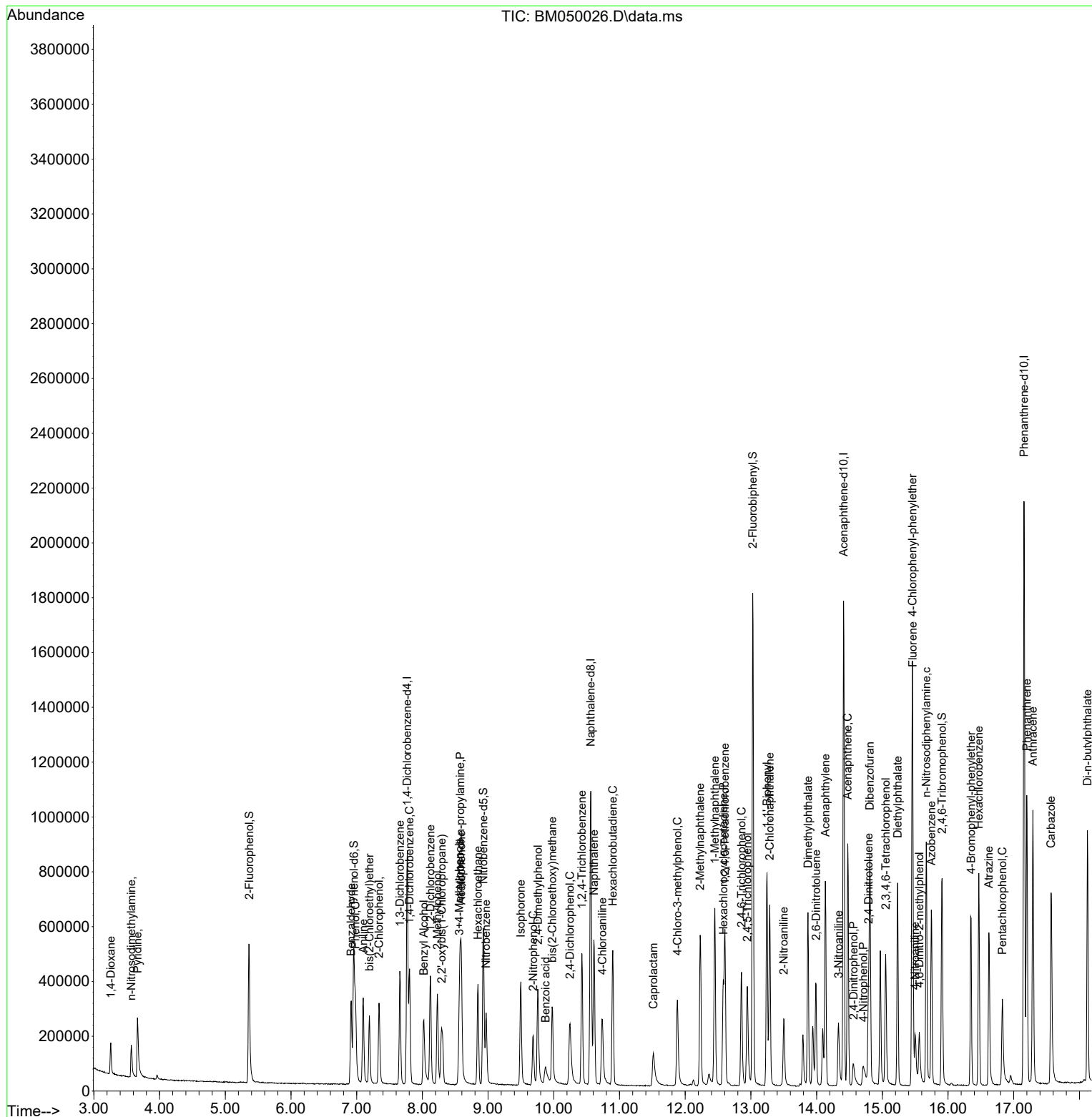
Quant Time: Apr 28 17:54:15 2025

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



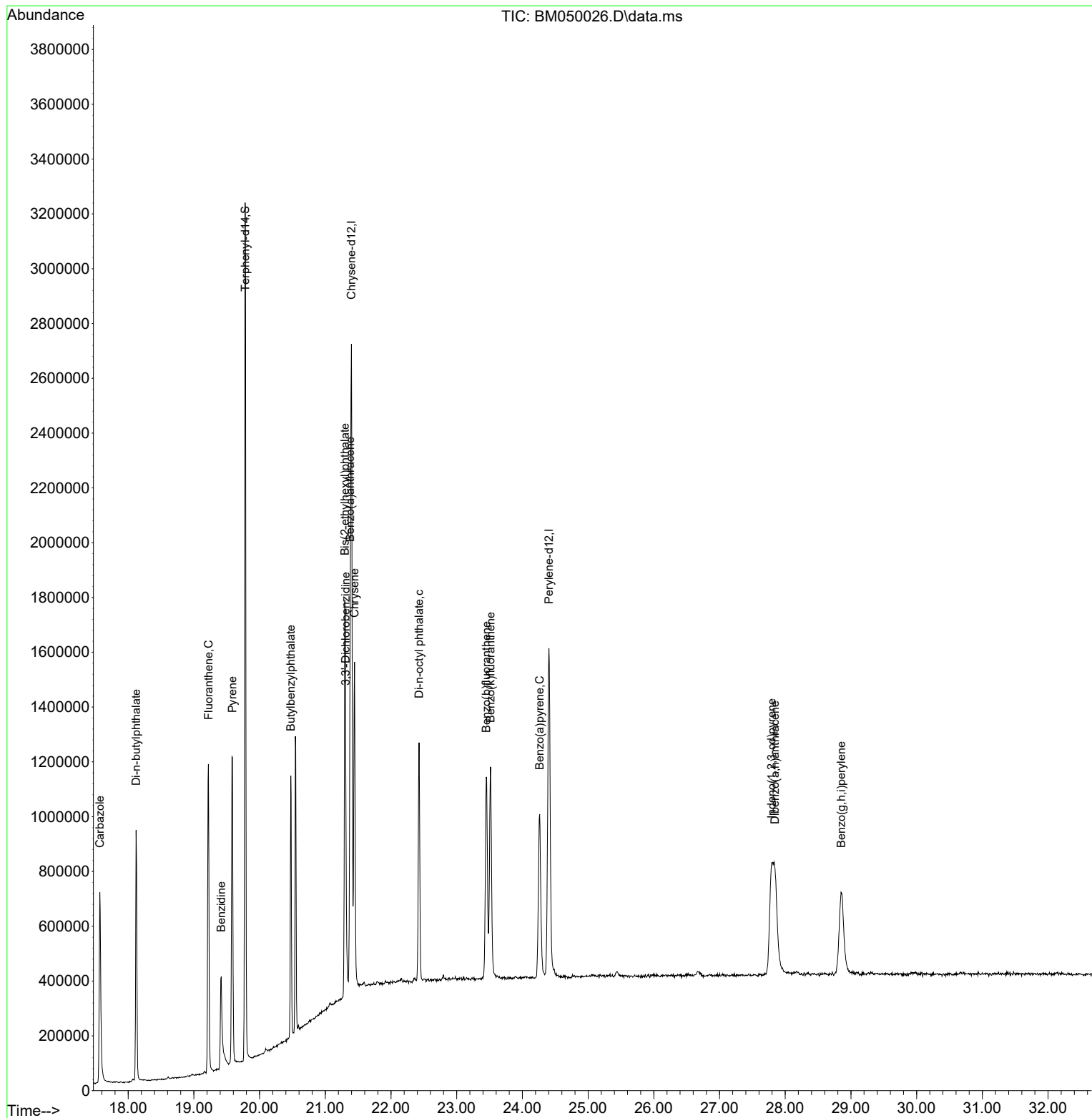
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : BM050026.D
Acq On : 28 Apr 2025 13:48
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

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

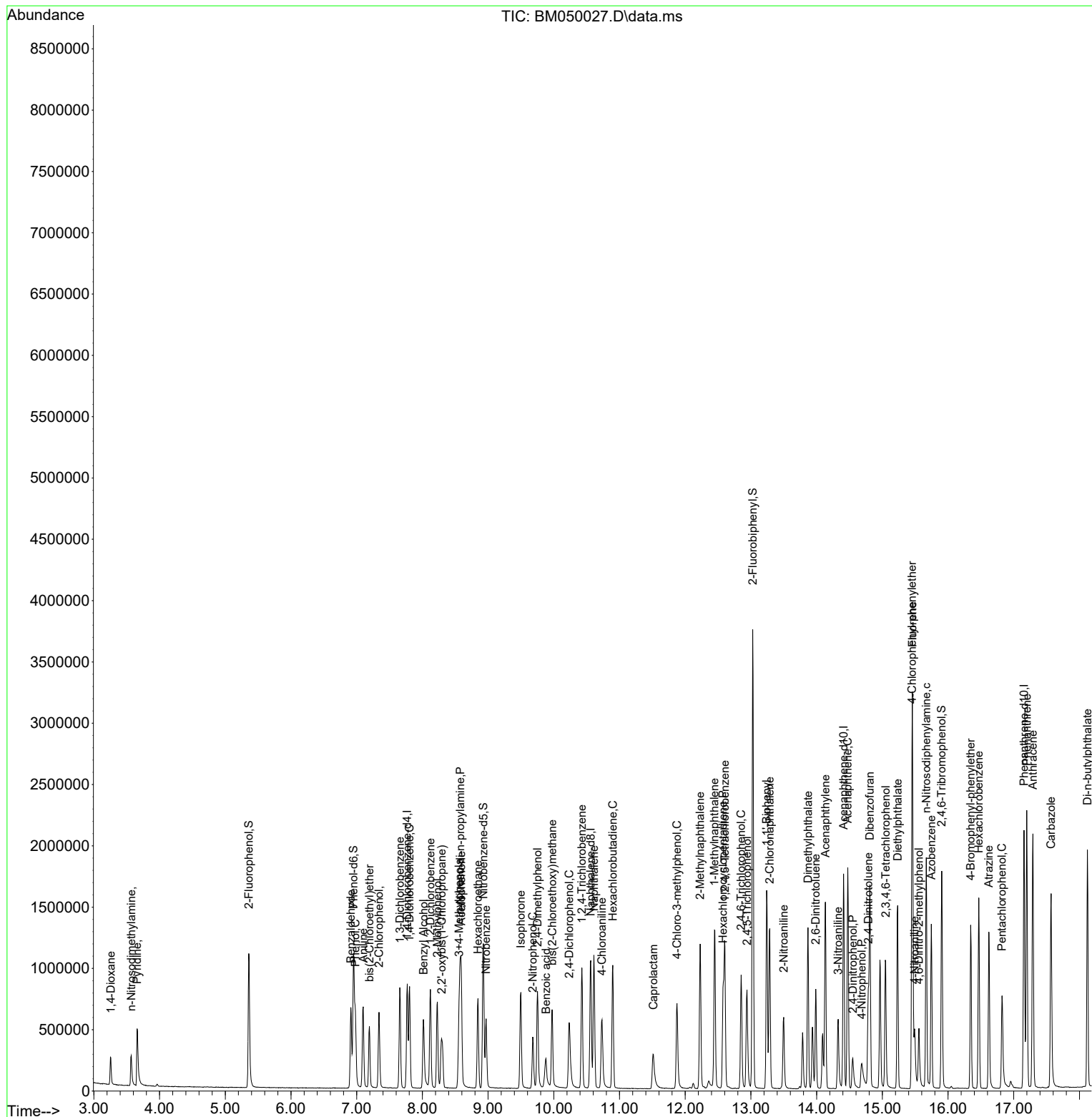
Manual Integrations

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



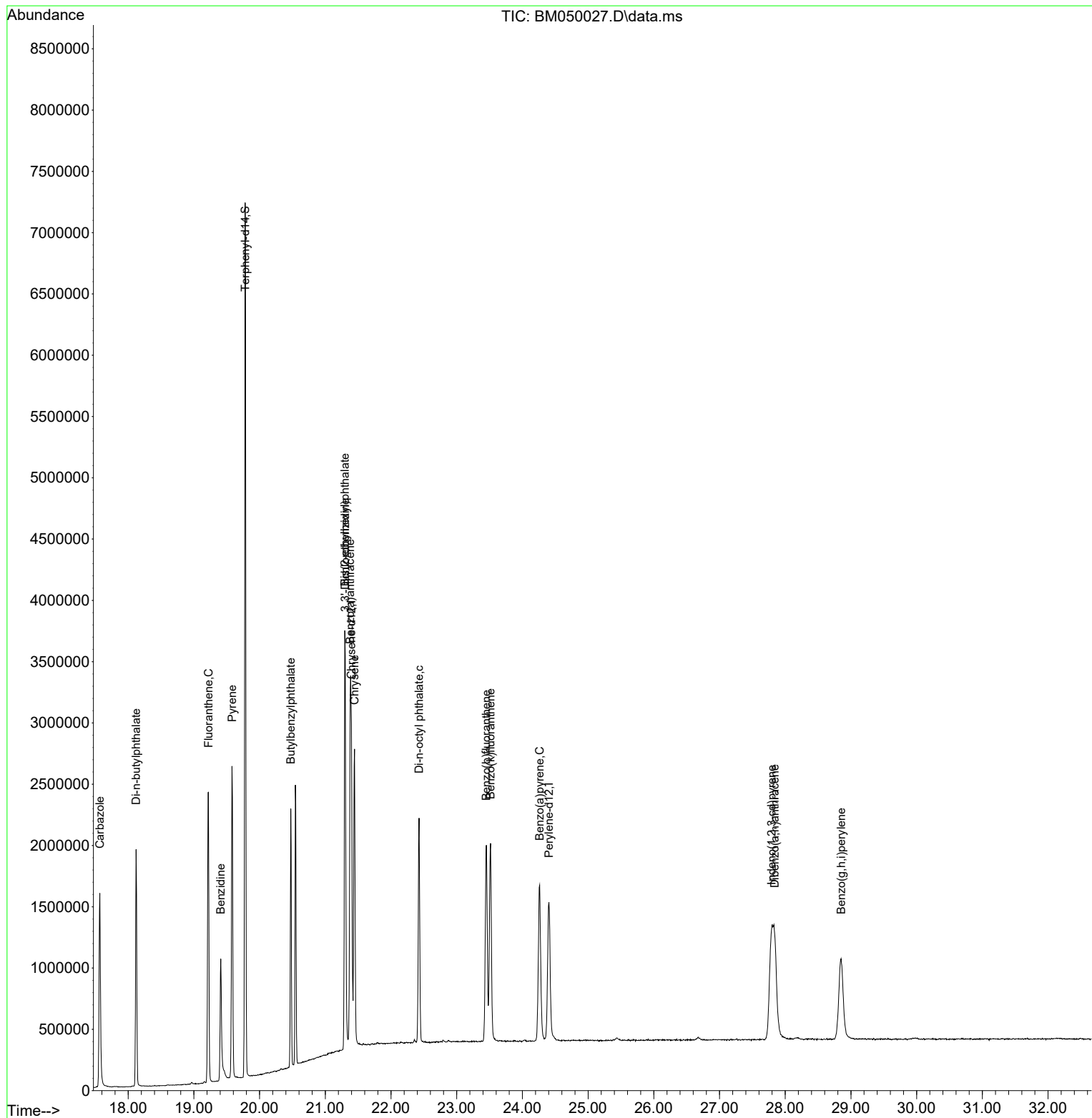
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Data File : BM050027.D
Acq On : 28 Apr 2025 14:27
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

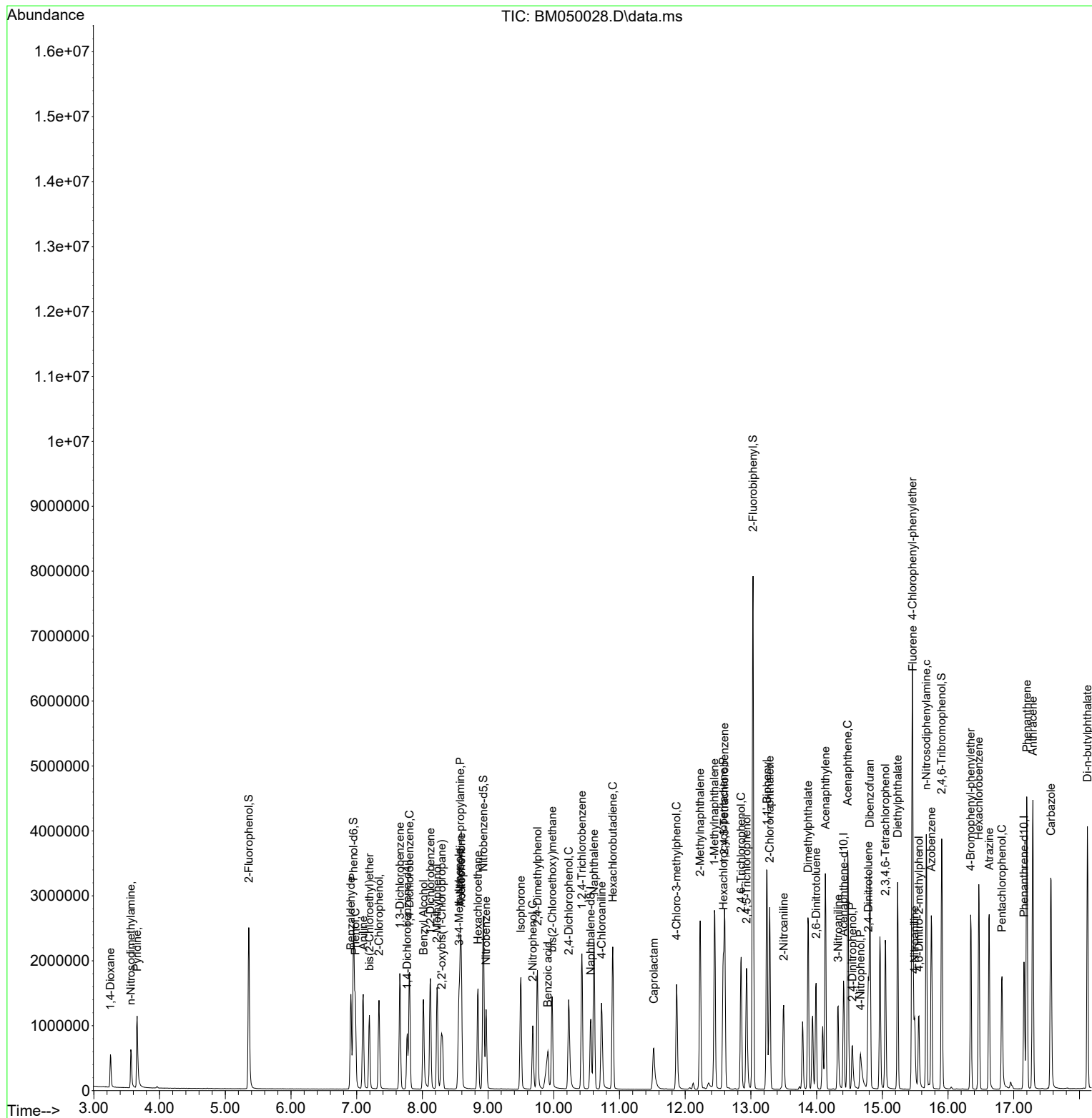
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	612194	43.706	ng	100
46) 1,1'-Biphenyl	13.245	154	1860581	42.309	ng	100
47) 2-Chloronaphthalene	13.286	162	1479560	42.480	ng	100
48) 2-Nitroaniline	13.498	65	357098	43.684	ng	100
49) Acenaphthylene	14.133	152	2332675	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

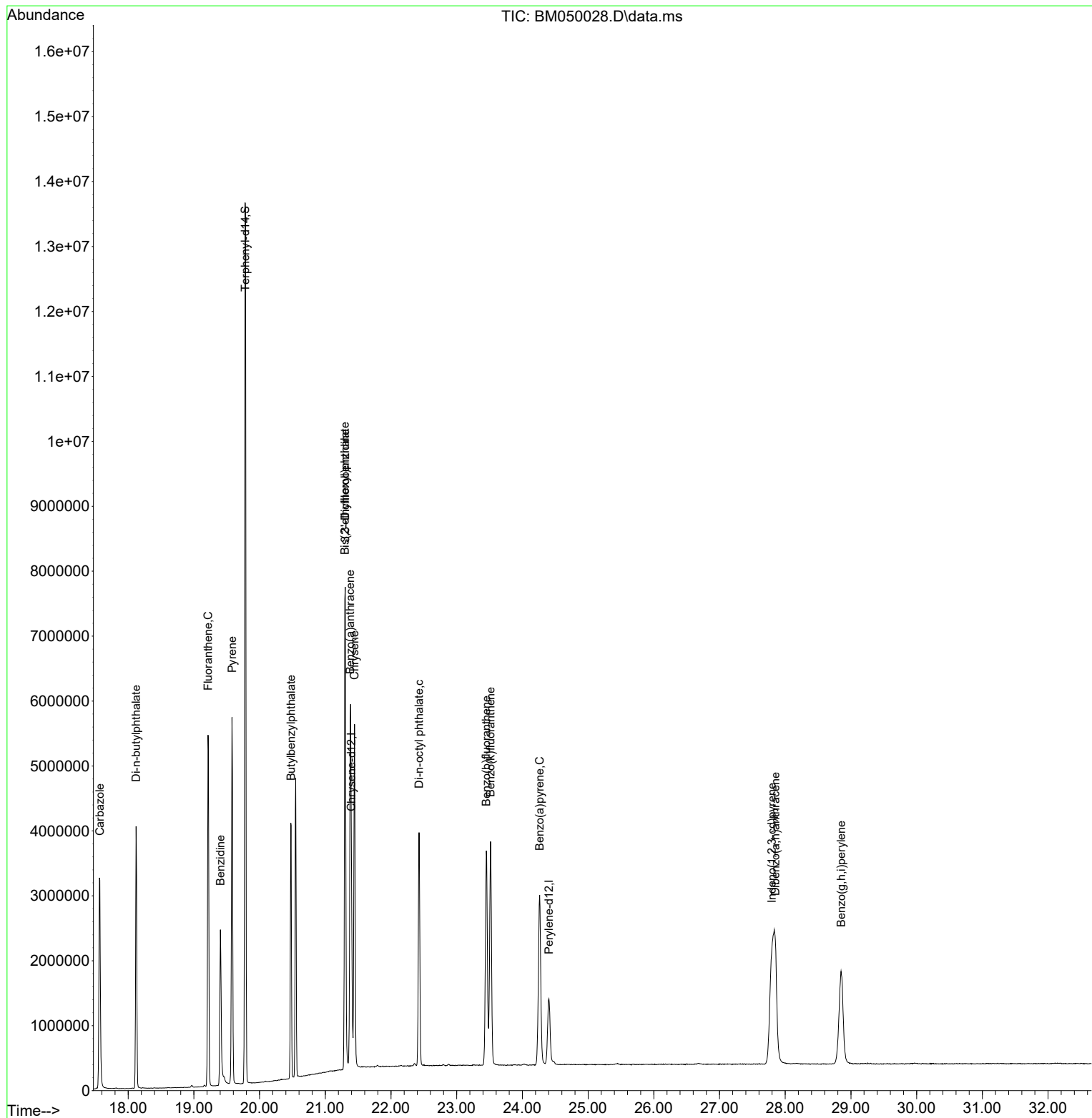
Quant Time: Apr 28 17:56:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
Data File : 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

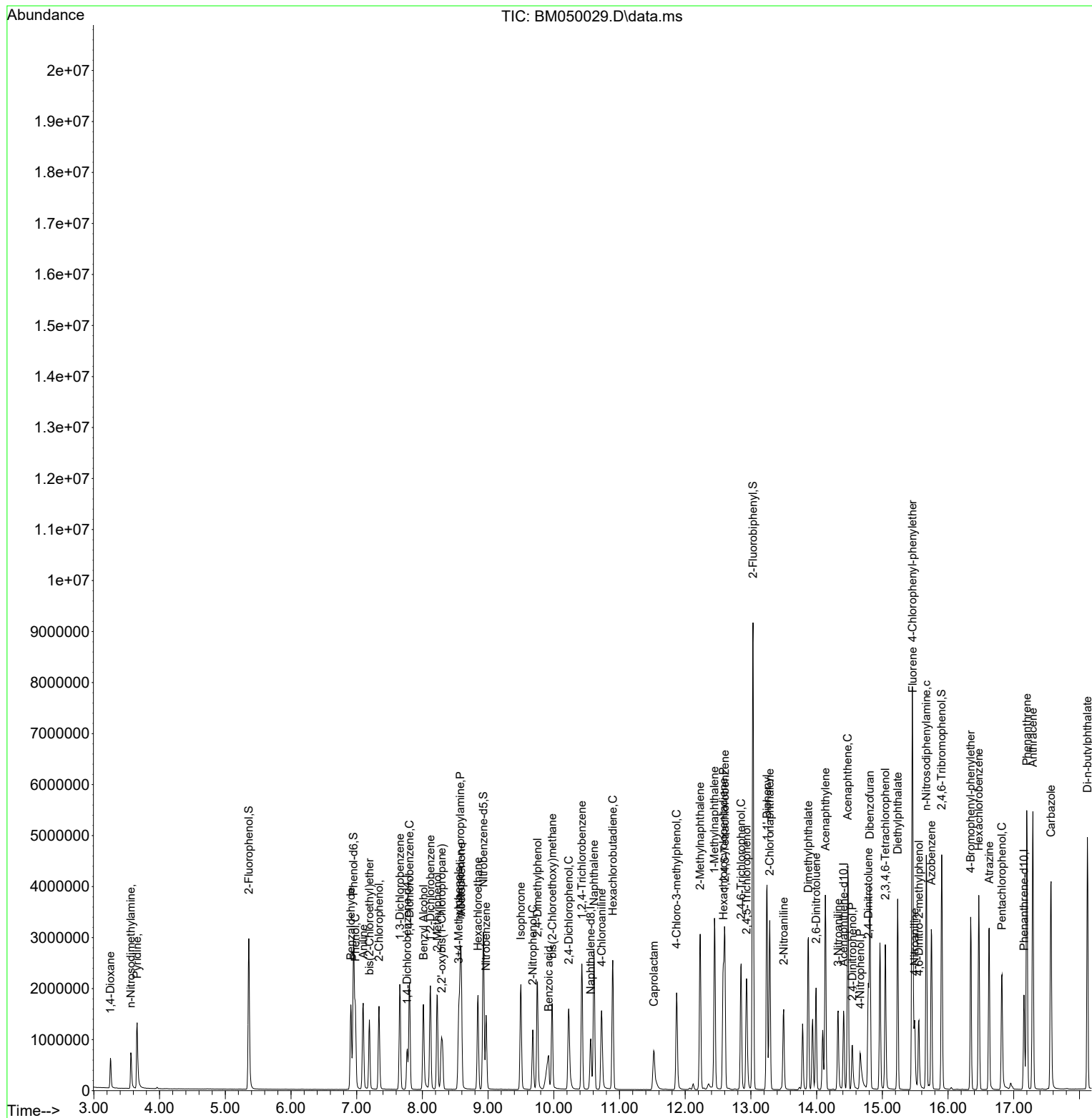
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	719930	54.841	ng	100
46) 1,1'-Biphenyl	13.245	154	2191996	53.185	ng	100
47) 2-Chloronaphthalene	13.286	162	1729678	52.989	ng	100
48) 2-Nitroaniline	13.498	65	421489	55.016	ng	99
49) Acenaphthylene	14.133	152	2731966	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

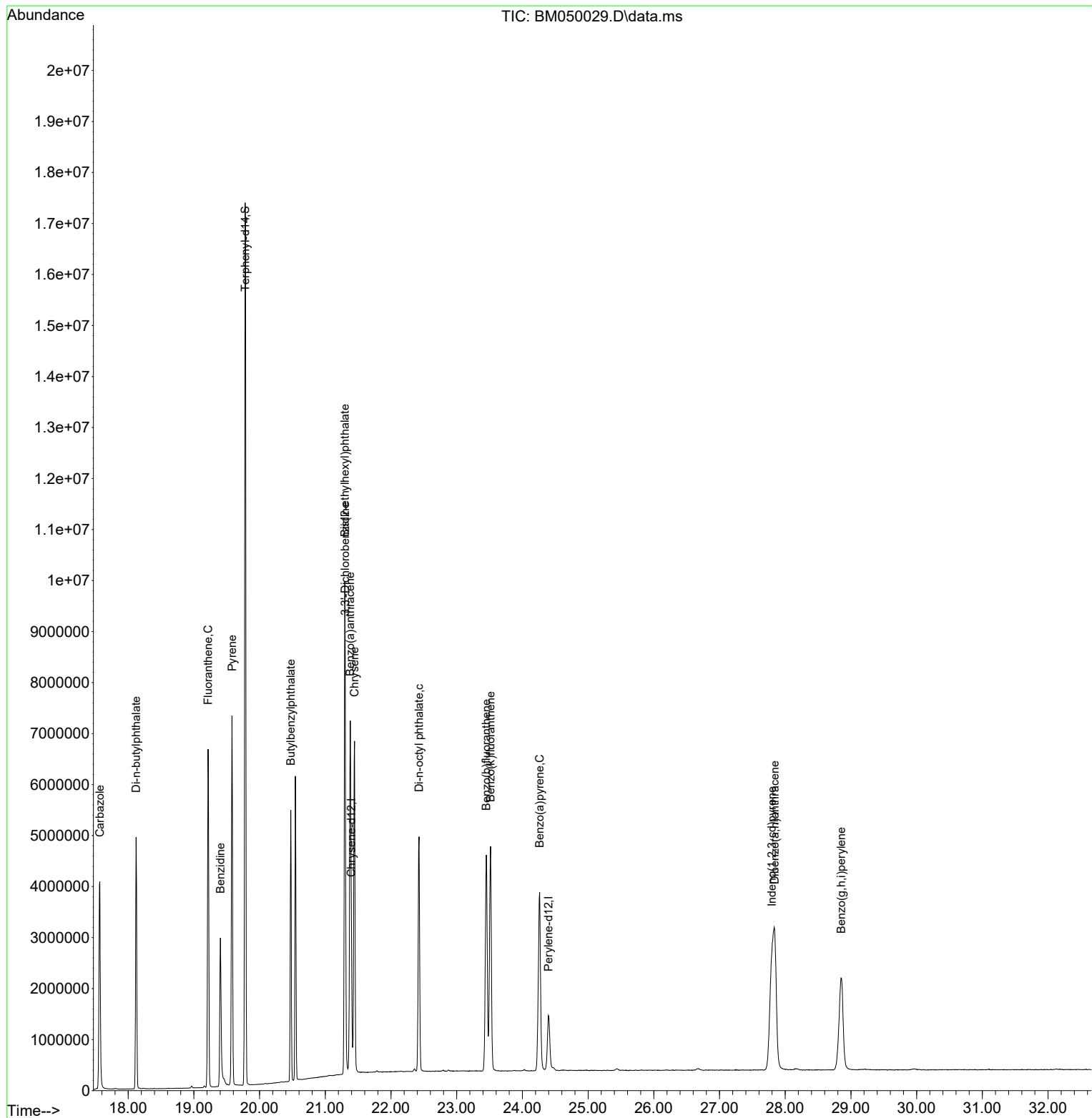
Quant Time: Apr 28 17:57:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



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

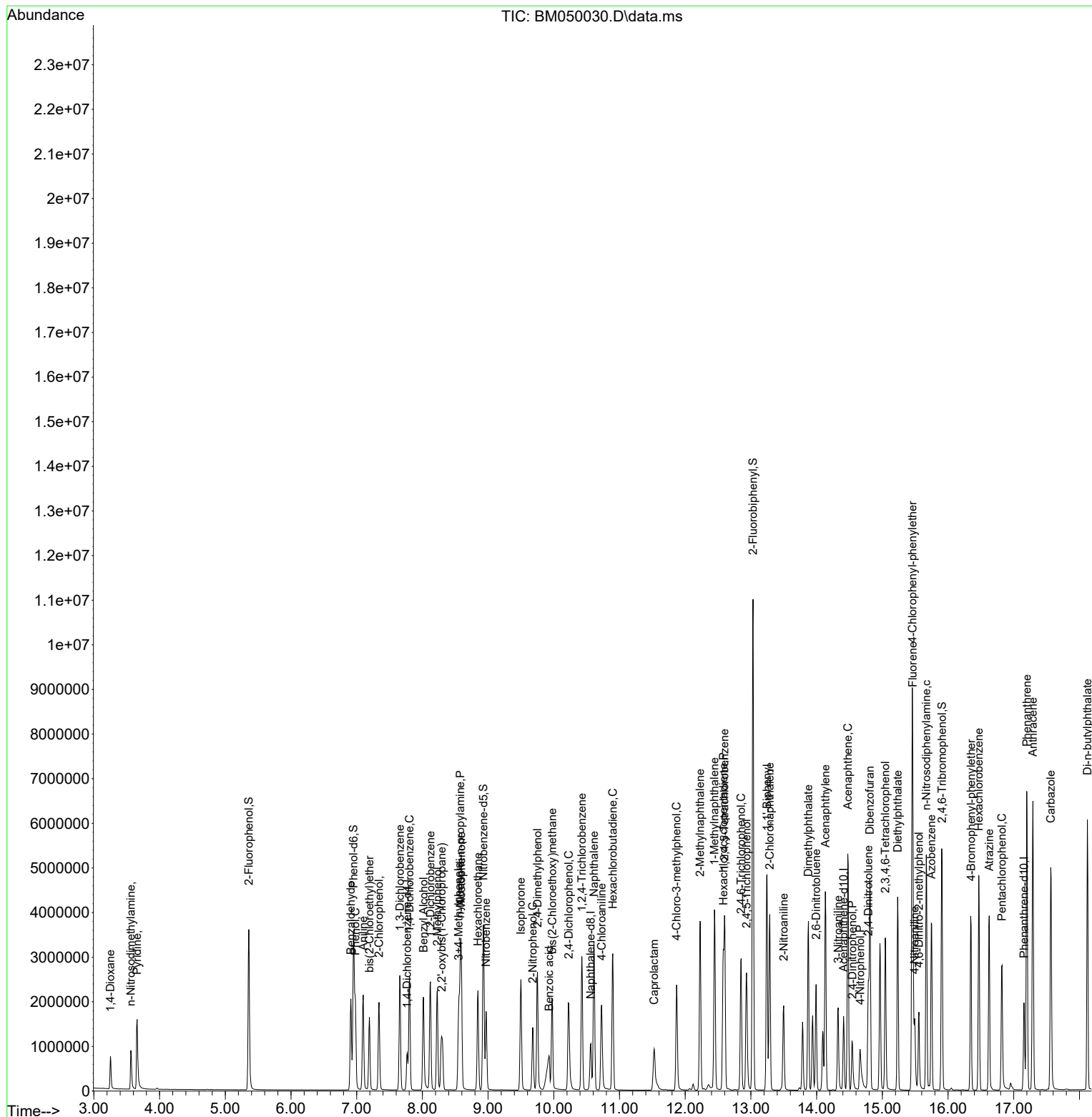
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	872921	63.459	ng	99
46) 1,1'-Biphenyl	13.245	154	2626494	60.817	ng	99
47) 2-Chloronaphthalene	13.286	162	2078242	60.760	ng	100
48) 2-Nitroaniline	13.498	65	512544	63.847	ng	99
49) Acenaphthylene	14.133	152	3292902	61.060	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-phenylether	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

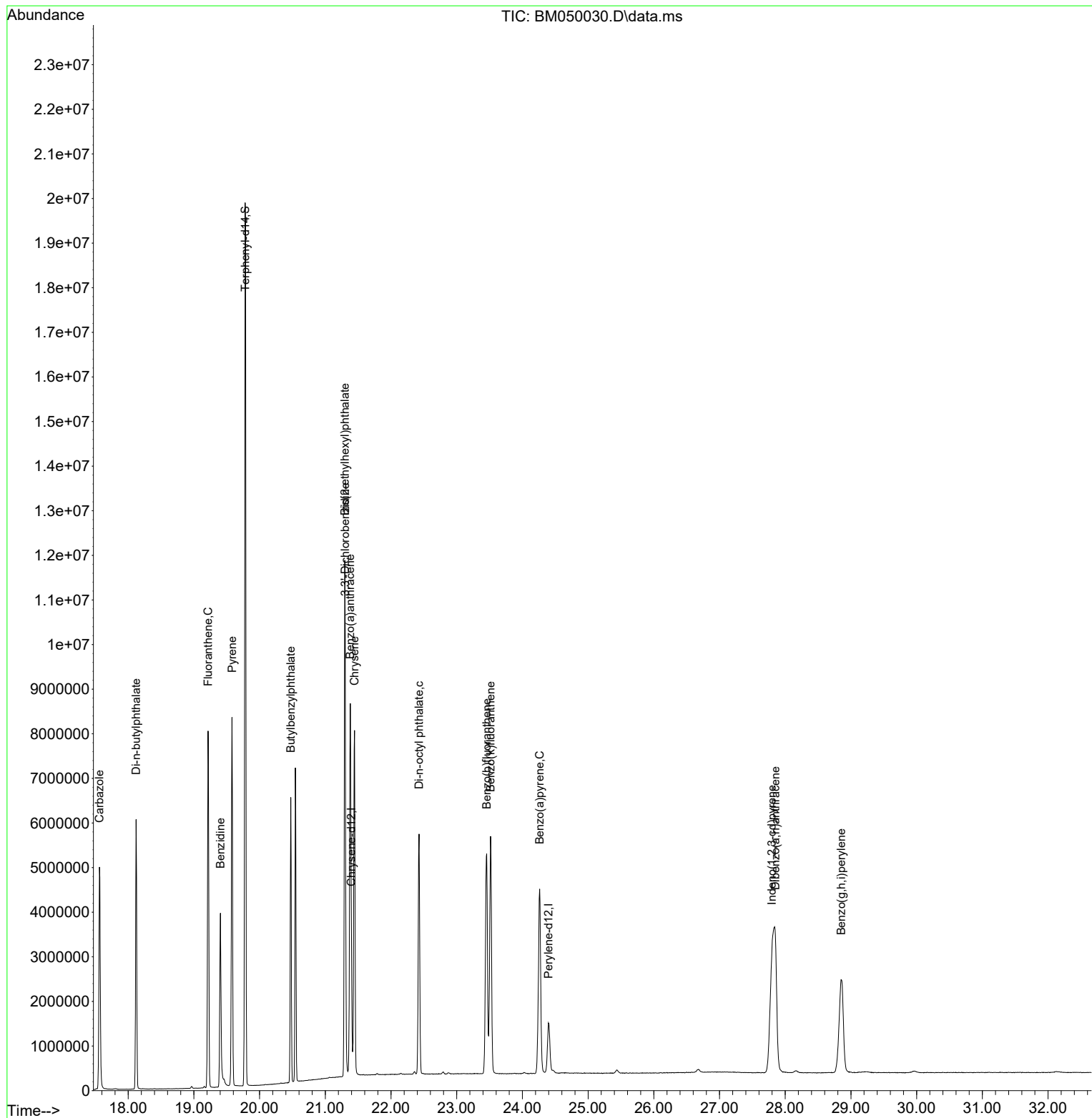
Quant Time: Apr 28 17:58:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 17:38:08 2025
 Response via : Initial Calibration



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



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

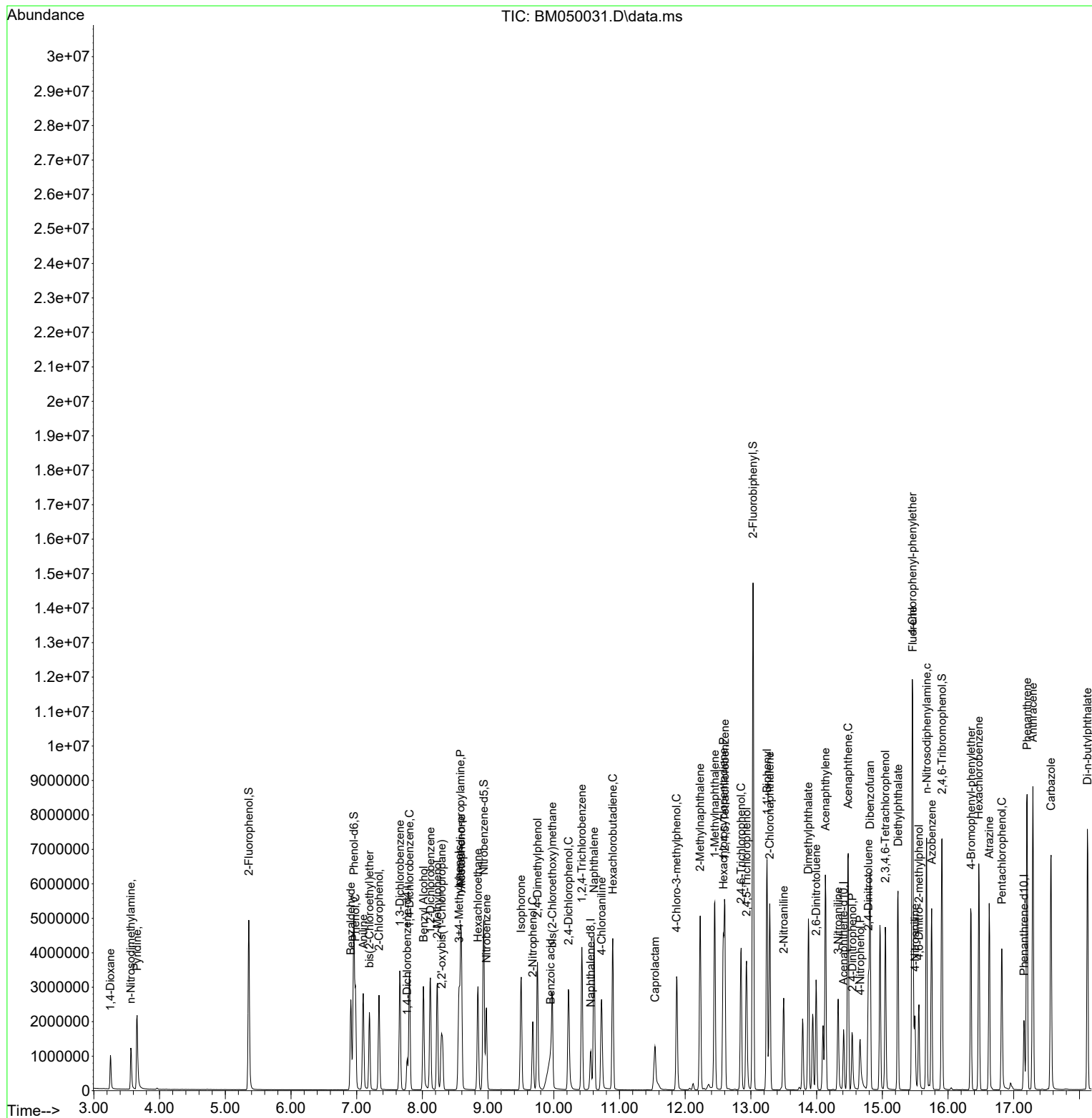
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.933	196	1220306	84.011	ng	98
46) 1,1'-Biphenyl	13.245	154	3613893	79.246	ng	99
47) 2-Chloronaphthalene	13.286	162	2842514	78.700	ng	99
48) 2-Nitroaniline	13.498	65	701256	82.725	ng	99
49) Acenaphthylene	14.133	152	4526874	79.492	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

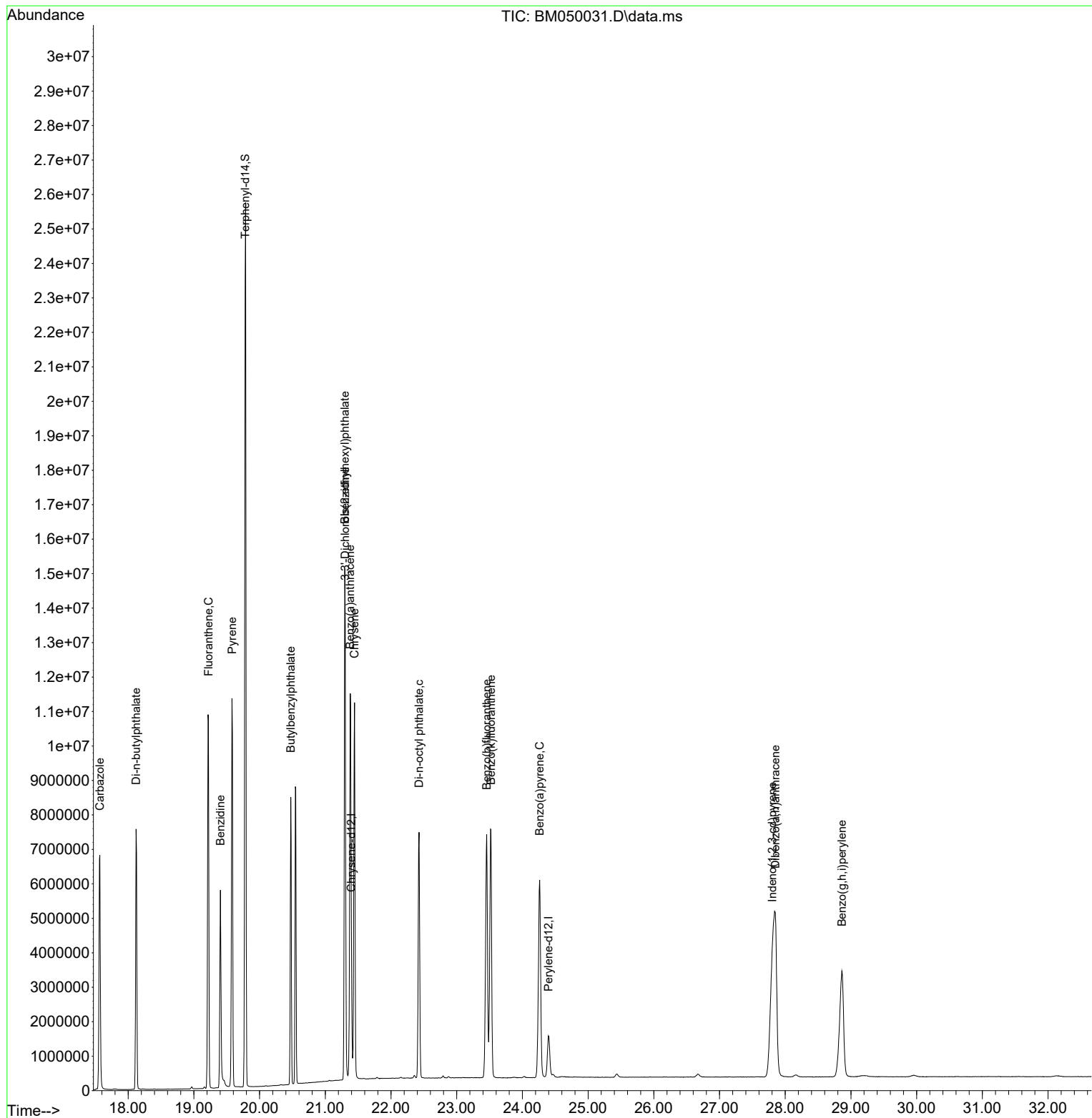
Quant Time: Apr 28 17:59:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 17:38:08 2025
Response via : Initial Calibration



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

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)

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

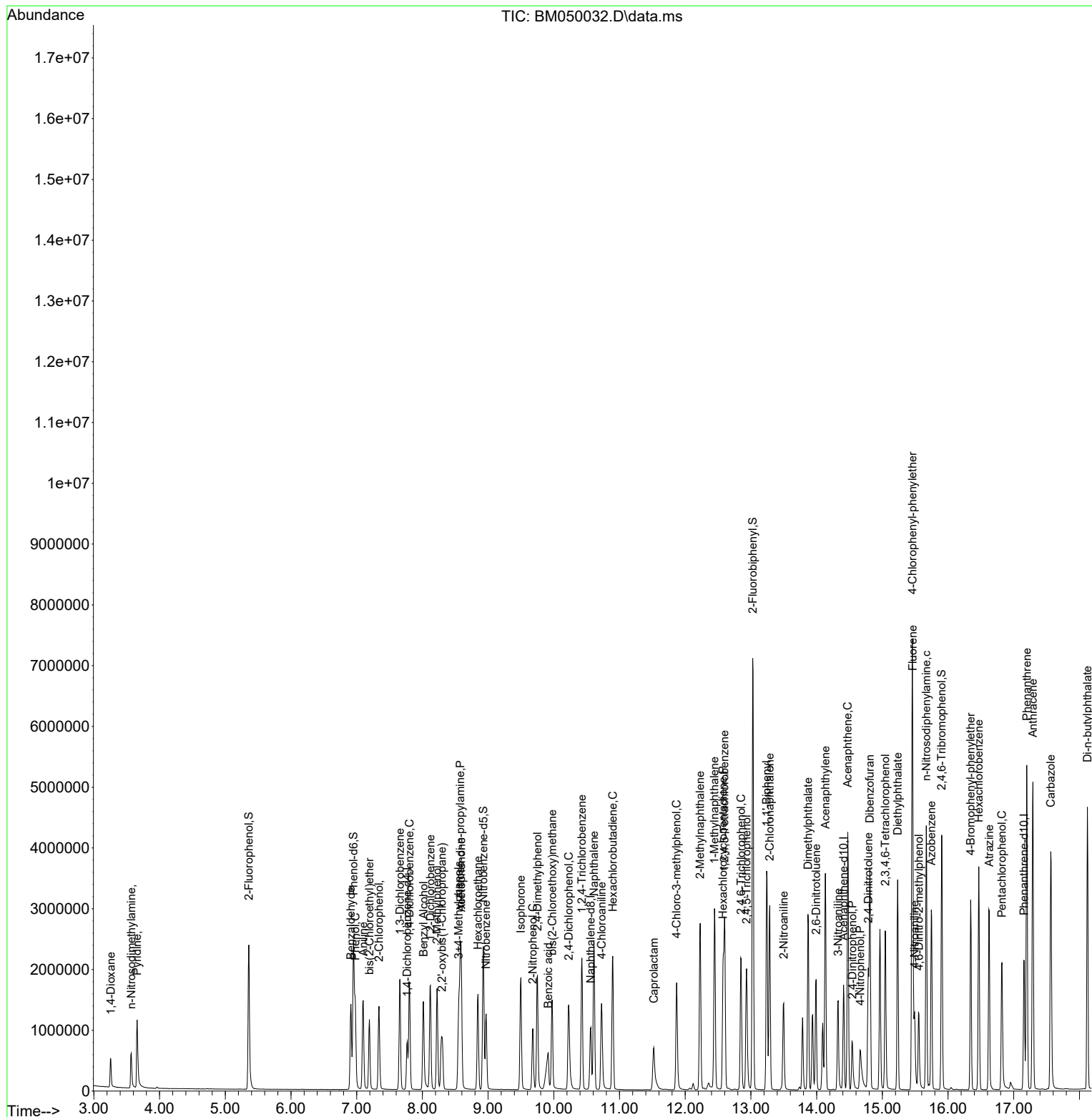
Manual Integrations

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
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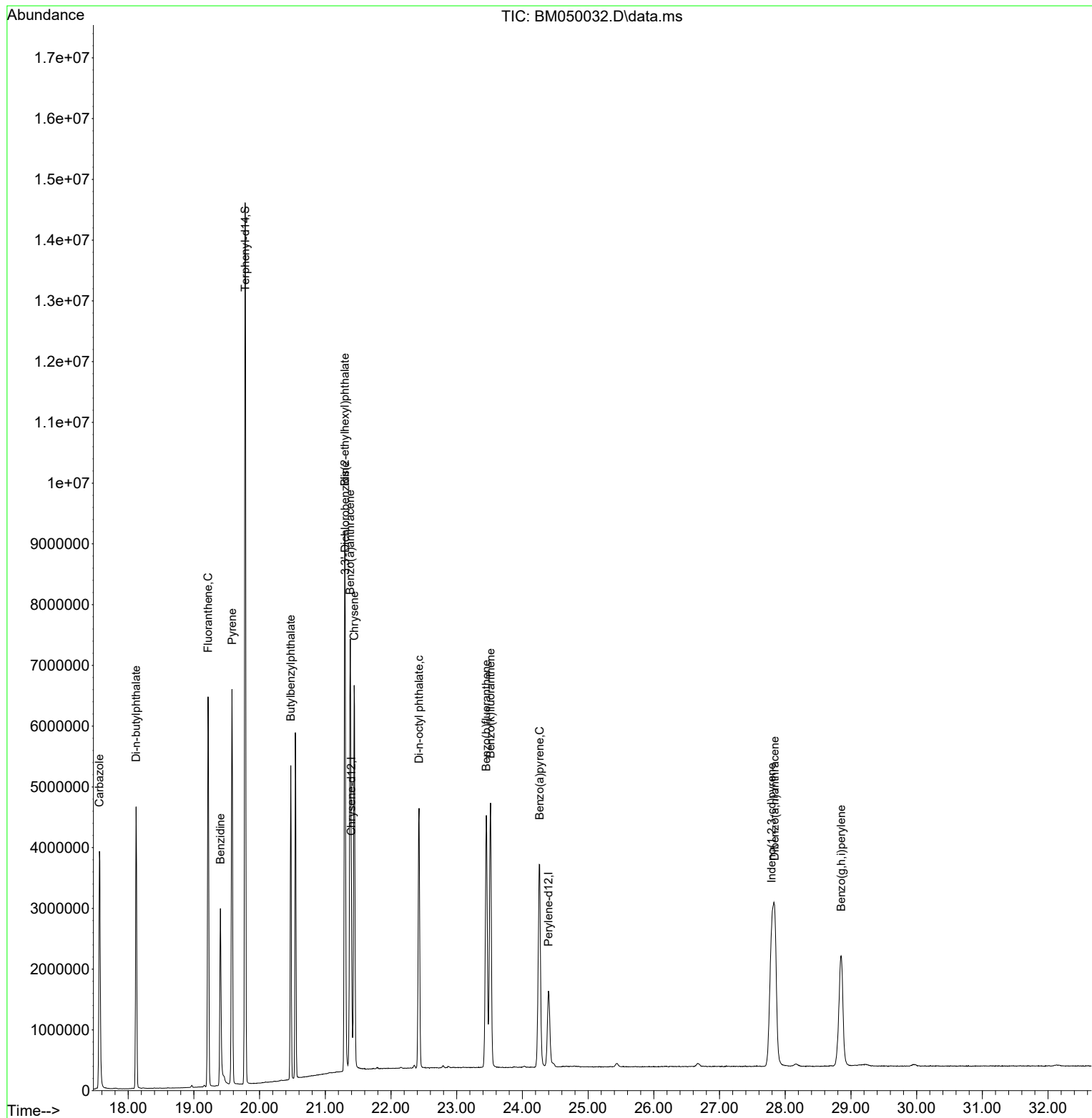
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration

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

	Compound	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
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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)

(#) = Out of Range

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042825\
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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\
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 Response via : Initial Calibration

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

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

(#) = Out of Range

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CAMP02
 Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG No.: Q1914
 Instrument ID: BNA_P Calibration Date(s): 04/14/2025 04/14/2025
 Calibration Time(s): 11:06 17:13

LAB FILE ID:		RRF2.5 = BP024275.D		RRF005 = BP024276.D		RRF010 = BP024277.D		
		RRF020 = BP024278.D		RRF040 = BP024279.D		RRF050 = BP024280.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.123	1.145	1.262	1.254	1.210	1.210	4.9
Phenol-d6		1.463	1.552	1.718	1.748	1.697	1.656	6.7
Nitrobenzene-d5		0.322	0.337	0.367	0.368	0.357	0.351	4.8
Naphthalene		1.044	1.054	1.091	1.079	1.037	1.054	2.3
2-Fluorobiphenyl		1.332	1.334	1.359	1.366	1.263	1.306	4.1
Acenaphthylene		1.604	1.680	1.793	1.814	1.726	1.730	4.1
Acenaphthene		1.087	1.087	1.141	1.126	1.081	1.097	2.4
Fluorene		1.376	1.397	1.454	1.398	1.368	1.388	2.4
2,4,6-Tribromophenol		0.235	0.256	0.278	0.289	0.289	0.277	8.3
Phenanthrene		1.098	1.086	1.117	1.127	1.070	1.091	2.3
Anthracene		0.995	1.017	1.084	1.111	1.053	1.052	3.9
Fluoranthene		1.289	1.274	1.316	1.347	1.280	1.298	2.1
Pyrene		1.192	1.236	1.345	1.305	1.294	1.271	4.4
Terphenyl-d14		0.967	0.998	1.055	1.032	1.005	0.992	4.4
Benzo (a) anthracene		1.195	1.214	1.292	1.293	1.234	1.243	3.1
Chrysene		1.180	1.181	1.229	1.213	1.173	1.191	1.9
Benzo (k) fluoranthene		1.088	1.131	1.217	1.212	1.154	1.158	3.9
Benzo (a) pyrene		0.939	0.971	1.057	1.091	1.053	1.034	5.4
Indeno (1,2,3-cd) pyrene		1.252	1.304	1.407	1.444	1.401	1.388	5.8
Dibenzo (a,h) anthracene		1.046	1.089	1.172	1.203	1.169	1.152	5.3
Benzo (g,h,i) perylene		1.073	1.110	1.198	1.218	1.180	1.173	5.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP041425.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 Last Update : Tue Apr 15 04:48:42 2025
 Response Via : Initial Calibration

Calibration Files

2.5 =BP024275.D 5 =BP024276.D 10 =BP024277.D 20 =BP024278.D 40 =BP024279.D 50 =BP024280.D 60 =BP024281.D 80 =BP024282.D

	Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1) I	1,4-Dichlorobenzen...	-----ISTD-----									
2)	1,4-Dioxane		0.551	0.517	0.552	0.512	0.481	0.490	0.477	0.512	6.10
3)	Pyridine		1.265	1.280	1.422	1.396	1.333	1.383	1.378	1.351	4.43
4)	n-Nitrosodimet...		0.424	0.443	0.469	0.457	0.442	0.460	0.444	0.448	3.29
5) S	2-Fluorophenol		1.123	1.145	1.262	1.254	1.210	1.277	1.196	1.210	4.93
6)	Aniline		1.439	1.487	1.636	1.587	1.403	1.428	1.380	1.480	6.52
7) S	Phenol-d6		1.463	1.552	1.718	1.748	1.697	1.769	1.647	1.656	6.75
8)	2-Chlorophenol		1.260	1.297	1.412	1.399	1.359	1.400	1.328	1.350	4.30
9)	Benzaldehyde		0.943	0.934	0.942	0.836	0.732	0.726	0.621	0.819	15.70
10) C	Phenol		1.475	1.565	1.720	1.750	1.698	1.779	1.643	1.661	6.54
11)	bis(2-Chloroet...		1.278	1.317	1.399	1.398	1.321	1.358	1.300	1.339	3.56
12)	1,3-Dichlorobe...		1.464	1.486	1.534	1.486	1.402	1.433	1.373	1.454	3.79
13) C	1,4-Dichlorobe...		1.496	1.489	1.550	1.494	1.436	1.463	1.399	1.475	3.28
14)	1,2-Dichlorobe...		1.472	1.441	1.502	1.445	1.362	1.411	1.339	1.424	4.10
15)	Benzyl Alcohol		0.857	0.935	1.106	1.158	1.142	1.178	1.122	1.071	11.58
16)	2,2'-oxybis(1-...		1.452	1.496	1.517	1.514	1.405	1.397	1.348	1.447	4.54
17)	2-Methylphenol		0.915	1.002	1.123	1.140	1.105	1.150	1.087	1.075	7.97
18)	Hexachloroethane		0.532	0.537	0.558	0.542	0.521	0.533	0.510	0.533	2.88
19) P	n-Nitroso-di-n...	0.941	1.008	1.008	1.088	1.084	1.041	1.038	0.989	1.025	4.76
20)	3+4-Methylphenols		1.224	1.365	1.560	1.592	1.567	1.607	1.525	1.491	9.57
21) I	Naphthalene-d8	-----ISTD-----									
22)	Acetophenone		0.470	0.487	0.522	0.519	0.490	0.495	0.483	0.495	3.85
23) S	Nitrobenzene-d5		0.322	0.337	0.367	0.368	0.357	0.356	0.347	0.351	4.76
24)	Nitrobenzene		0.328	0.334	0.362	0.364	0.349	0.353	0.340	0.347	3.96
25)	Isophorone		0.575	0.601	0.653	0.673	0.650	0.654	0.639	0.635	5.41
26) C	2-Nitrophenol		0.130	0.143	0.172	0.183	0.184	0.191	0.186	0.170	13.97
27)	2,4-Dimethylph...		0.180	0.194	0.219	0.226	0.225	0.228	0.221	0.213	8.81
28)	bis(2-Chloroet...		0.412	0.426	0.444	0.452	0.430	0.425	0.412	0.429	3.51
29) C	2,4-Dichloroph...		0.242	0.268	0.297	0.308	0.307	0.311	0.302	0.291	8.94
30)	1,2,4-Trichlor...		0.308	0.305	0.318	0.321	0.309	0.315	0.306	0.311	2.00
31)	Naphthalene		1.044	1.054	1.091	1.079	1.037	1.048	1.023	1.054	2.27
32)	Benzoic acid			0.185	0.226	0.242	0.270	0.285	0.282	0.248	15.56
33)	4-Chloroaniline		0.328	0.349	0.389	0.397	0.378	0.379	0.378	0.371	6.46
34) C	Hexachlorobuta...		0.181	0.181	0.186	0.189	0.181	0.182	0.182	0.183	1.62
35)	Caprolactam		0.085	0.092	0.111	0.112	0.115	0.121	0.115	0.107	12.53
36) C	4-Chloro-3-met...		0.284	0.310	0.349	0.357	0.356	0.363	0.351	0.339	8.82
37)	2-Methylnaphth...		0.700	0.720	0.755	0.755	0.733	0.740	0.712	0.731	2.89
38)	1-Methylnaphth...		0.700	0.714	0.737	0.731	0.712	0.718	0.691	0.715	2.25

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
 Method File : 8270E-BP041425.M

39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.522	0.538	0.568	0.576	0.544	0.549	0.552	0.550	3.33	
41) P	Hexachlorocycl...	0.162	0.185	0.197	0.218	0.199	0.197	0.204	0.195	8.92	
42) S	2,4,6-Tribromo...	0.235	0.256	0.278	0.289	0.289	0.296	0.294	0.277	8.29	
43) C	2,4,6-Trichlor...	0.301	0.335	0.369	0.389	0.386	0.390	0.390	0.366	9.51	
44)	2,4,5-Trichlor...	0.332	0.371	0.409	0.427	0.429	0.436	0.430	0.405	9.62	
45) S	2-Fluorobiphenyl	1.332	1.334	1.359	1.366	1.263	1.251	1.240	1.306	4.08	
46)	1,1'-Biphenyl	1.454	1.489	1.528	1.529	1.434	1.428	1.429	1.470	3.07	
47)	2-Chloronaphth...	1.063	1.100	1.135	1.139	1.085	1.090	1.078	1.099	2.60	
48)	2-Nitroaniline	0.250	0.270	0.317	0.330	0.324	0.335	0.331	0.308	10.98	
49)	Acenaphthylene	1.604	1.680	1.793	1.814	1.726	1.763	1.730	1.730	4.11	
50)	Dimethylphthalate	1.429	1.416	1.495	1.495	1.460	1.460	1.426	1.454	2.22	
51)	2,6-Dinitrotol...	0.264	0.290	0.319	0.325	0.319	0.328	0.317	0.309	7.58	
52) C	Acenaphthene	1.087	1.087	1.141	1.126	1.081	1.079	1.076	1.097	2.35	
53)	3-Nitroaniline	0.250	0.289	0.338	0.354	0.342	0.340	0.358	0.325	12.25	
54) P	2,4-Dinitrophenol		0.125	0.163	0.186	0.196	0.210	0.211	0.182	18.22	
55)	Dibenzofuran	1.801	1.807	1.871	1.833	1.746	1.768	1.723	1.793	2.84	
56) P	4-Nitrophenol	0.190	0.231	0.289	0.305	0.306	0.323	0.317	0.280	17.90	
57)	2,4-Dinitrotol...	0.334	0.368	0.439	0.448	0.442	0.463	0.456	0.421	11.82	
58)	Fluorene	1.376	1.397	1.454	1.398	1.368	1.366	1.356	1.388	2.40	
59)	2,3,4,6-Tetrac...	0.327	0.351	0.380	0.389	0.387	0.390	0.389	0.373	6.57	
60)	Diethylphthalate	1.451	1.484	1.528	1.550	1.499	1.499	1.481	1.499	2.16	
61)	4-Chlorophenyl...	0.667	0.675	0.699	0.680	0.667	0.670	0.659	0.674	1.95	
62)	4-Nitroaniline	0.263	0.300	0.353	0.369	0.364	0.380	0.376	0.344	12.99	
63)	Azobenzene	1.269	1.383	1.446	1.431	1.385	1.385	1.344	1.378	4.26	
64) I	Phenanthrene-d10	-----ISTD-----									
65)	4,6-Dinitro-2-...		0.095	0.118	0.131	0.134	0.140	0.138	0.126	13.50	
66) c	n-Nitrosodiphe...	0.567	0.585	0.616	0.630	0.591	0.608	0.580	0.597	3.71	
67)	4-Bromophenyl-...	0.203	0.212	0.220	0.230	0.220	0.225	0.222	0.219	4.11	
68)	Hexachlorobenzene	0.247	0.247	0.260	0.271	0.261	0.269	0.263	0.260	3.67	
69)	Atrazine	0.176	0.167	0.134	0.121	0.162			0.152	15.57	
70) C	Pentachlorophenol	0.143	0.155	0.175	0.196	0.197	0.203	0.201	0.181	13.35	
71)	Phenanthrene	1.098	1.086	1.117	1.127	1.070	1.082	1.058	1.091	2.27	
72)	Anthracene	0.995	1.017	1.084	1.111	1.053	1.071	1.030	1.052	3.85	
73)	Carbazole	0.968	0.998	1.060	1.084	1.014	1.037	1.031	1.027	3.78	
74)	Di-n-butylphth...	1.147	1.230	1.253	1.398	1.310	1.338	1.284	1.280	6.30	
75) C	Fluoranthene	1.289	1.274	1.316	1.347	1.280	1.304	1.274	1.298	2.07	
76) I	Chrysene-d12	-----ISTD-----									
77)	Benzidine	0.144	0.141	0.109	0.436	0.333	0.302	0.307	0.254	48.39	
78)	Pyrene	1.192	1.236	1.345	1.305	1.294	1.305	1.219	1.271	4.38	
79) S	Terphenyl-d14	0.967	0.998	1.055	1.032	1.005	0.964	0.926	0.992	4.42	
80)	Butylbenzylpht...	0.434	0.488	0.546	0.596	0.580	0.593	0.574	0.544	11.25	
81)	Benzo(a)anthra...	1.195	1.214	1.292	1.293	1.234	1.253	1.221	1.243	3.08	
82)	3,3'-Dichlorob...	0.345	0.383	0.431	0.486	0.463	0.485	0.460	0.436	12.30	
83)	Chrysene	1.180	1.181	1.229	1.213	1.173	1.193	1.167	1.191	1.88	
84)	Bis(2-ethylhex...	0.639	0.735	0.779	0.893	0.853	0.867	0.819	0.798	11.09	
85) c	Di-n-octyl pht...	0.945	1.093	1.222	1.461	1.430	1.486	1.446	1.297	16.46	

Method Path : Z:\svoasrv\HPCHEM1\BNA_P\Methods\
Method File : 8270E-BP041425.M

86) I	Perylene-d12	-----ISTD-----	
87)	Indeno(1,2,3-c...	1.252 1.304 1.407 1.444 1.401 1.445 1.466 1.388	5.77
88)	Benzo(b)fluora...	1.130 1.174 1.217 1.258 1.196 1.205 1.212 1.199	3.30
89)	Benzo(k)fluora...	1.088 1.131 1.217 1.212 1.154 1.166 1.138 1.158	3.94
90) C	Benzo(a)pyrene	0.939 0.971 1.057 1.091 1.053 1.070 1.058 1.034	5.44
91)	Dibenzo(a,h)an...	1.046 1.089 1.172 1.203 1.169 1.186 1.202 1.152	5.28
92)	Benzo(g,h,i)pe...	1.073 1.110 1.198 1.218 1.180 1.209 1.224 1.173	4.99

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024275.D
Acq On : 14 Apr 2025 11:06
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 14 17:26:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration

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

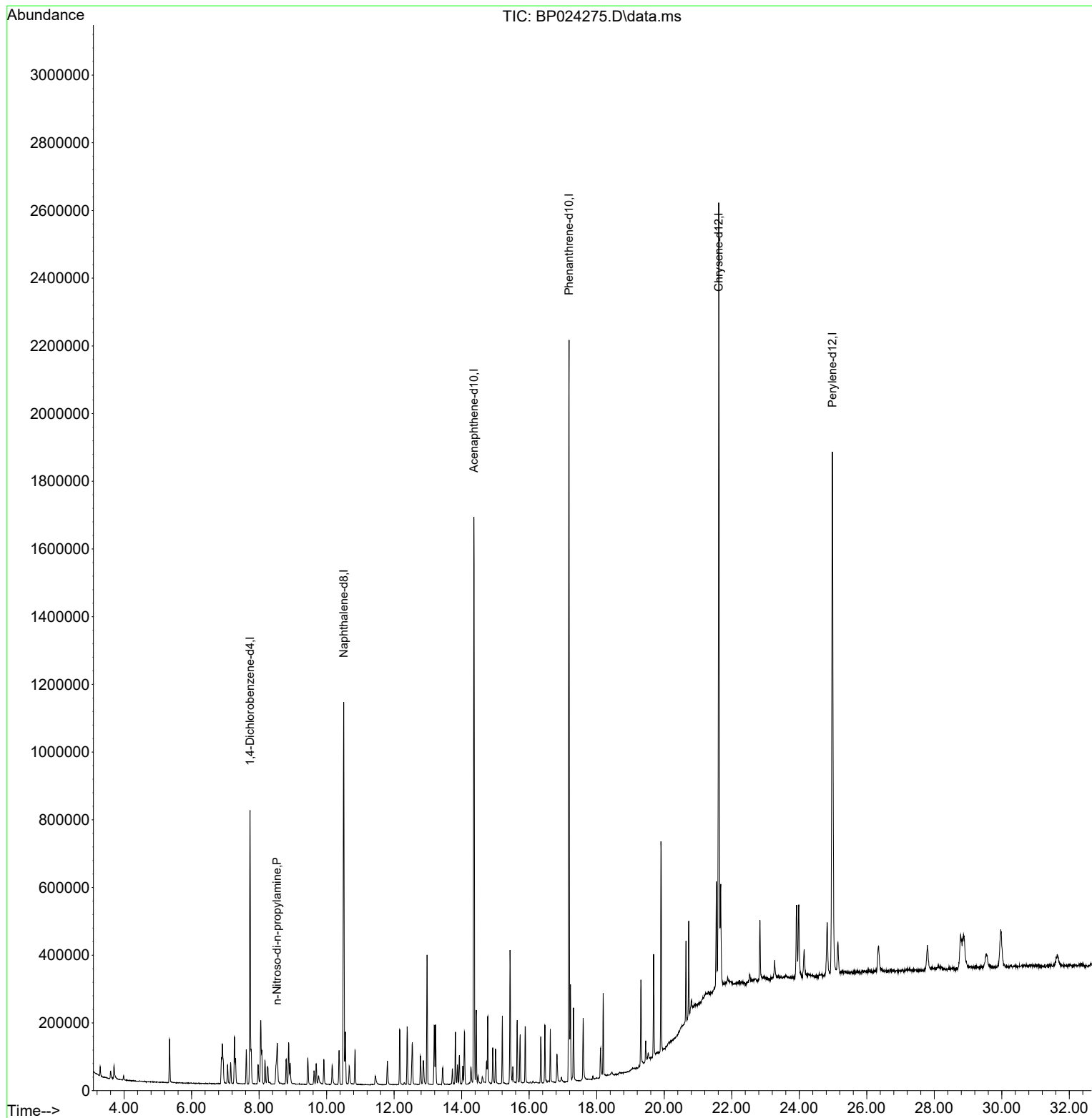
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	229109	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	962244	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	614109	20.000	ng	0.00
64) Phenanthrene-d10	17.181	188	1238206	20.000	ng	0.02
76) Chrysene-d12	21.616	240	1367665	20.000	ng	0.00
86) Perylene-d12	24.980	264	1473609	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.528	70	26959	2.285	ng	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024275.D
Acq On : 14 Apr 2025 11:06
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 14 17:26:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
 Data File : BP024276.D
 Acq On : 14 Apr 2025 11:47
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC005

Quant Time: Apr 14 17:26:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 14 17:03:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	223010	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	946483	20.000	ng	0.00
39) Acenaphthene-d10	14.369	164	609743	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1234074	20.000	ng	0.00
76) Chrysene-d12	21.610	240	1401979	20.000	ng	-0.01
86) Perylene-d12	24.968	264	1519057	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	125173	9.263	ng	0.00
7) Phenol-d6	6.916	99	163122	8.824	ng	0.00
23) Nitrobenzene-d5	8.875	82	152286	9.160	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	71560	8.571	ng	0.00
45) 2-Fluorobiphenyl	12.975	172	406060	10.111	ng	0.00
79) Terphenyl-d14	19.886	244	677812	9.638	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.293	88	30738	5.328	ng	100
3) Pyridine	3.699	79	70539	4.697	ng	97
4) n-Nitrosodimethylamine	3.599	42	23634	4.720	ng	# 90
6) Aniline	7.069	93	80239	4.808	ng	99
8) 2-Chlorophenol	7.305	128	70239	4.651	ng	98
9) Benzaldehyde	6.887	77	52595m	5.493	ng	
10) Phenol	6.940	94	82245	4.431	ng	97
11) bis(2-Chloroethyl)ether	7.163	93	71228	4.749	ng	97
12) 1,3-Dichlorobenzene	7.622	146	81600	4.987	ng	98
13) 1,4-Dichlorobenzene	7.769	146	83408	5.027	ng	99
14) 1,2-Dichlorobenzene	8.081	146	82066	5.115	ng	98
15) Benzyl Alcohol	7.975	79	47777	4.032	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.258	45	80975	4.962	ng	97
17) 2-Methylphenol	8.175	107	51039	4.267	ng	99
18) Hexachloroethane	8.805	117	29643	4.950	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	56212	4.896	ng	96
20) 3+4-Methylphenols	8.505	107	68264	4.120	ng	99
22) Acetophenone	8.546	105	111159	4.725	ng	99
24) Nitrobenzene	8.922	77	77593	4.709	ng	96
25) Isophorone	9.446	82	136090	4.534	ng	99
26) 2-Nitrophenol	9.628	139	30712	3.882	ng	99
27) 2,4-Dimethylphenol	9.693	122	42510	4.239	ng	94
28) bis(2-Chloroethoxy)met...	9.922	93	97512	4.774	ng	98
29) 2,4-Dichlorophenol	10.169	162	57301	4.193	ng	97
30) 1,2,4-Trichlorobenzene	10.369	180	72789	4.923	ng	98
31) Naphthalene	10.557	128	246999	4.930	ng	99
33) 4-Chloroaniline	10.669	127	77667	4.437	ng	98
34) Hexachlorobutadiene	10.846	225	42723	4.926	ng	99
35) Caprolactam	11.446	113	20082	4.002	ng	94
36) 4-Chloro-3-methylphenol	11.804	107	67116	4.214	ng	100
37) 2-Methylnaphthalene	12.169	142	165617	4.770	ng	99
38) 1-Methylnaphthalene	12.399	142	165656	4.870	ng	99
40) 1,2,4,5-Tetrachloroben...	12.540	216	79501	4.744	ng	100
41) Hexachlorocyclopentadiene	12.528	237	24696	4.198	ng	96
43) 2,4,6-Trichlorophenol	12.787	196	45925	4.165	ng	95
44) 2,4,5-Trichlorophenol	12.863	196	50675	4.147	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
 Data File : BP024276.D
 Acq On : 14 Apr 2025 11:47
 Operator : RC/JU
 Sample : SSTDICC005
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC005

Quant Time: Apr 14 17:26:21 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 14 17:03:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.187	154	221653	4.922	ng	99
47) 2-Chloronaphthalene	13.234	162	162099	4.824	ng	99
48) 2-Nitroaniline	13.440	65	38152	4.111	ng	90
49) Acenaphthylene	14.087	152	244566	4.637	ng	99
50) Dimethylphthalate	13.822	163	217848	4.897	ng	100
51) 2,6-Dinitrotoluene	13.934	165	40182	4.287	ng	94
52) Acenaphthene	14.428	154	165694	4.940	ng	97
53) 3-Nitroaniline	14.275	138	38178	3.926	ng #	94
55) Dibenzofuran	14.769	168	274506	4.991	ng	99
56) 4-Nitrophenol	14.610	139	29033	3.473	ng	98
57) 2,4-Dinitrotoluene	14.745	165	50843	4.013	ng	97
58) Fluorene	15.428	166	209763	4.939	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.004	232	49911	4.415	ng	98
60) Diethylphthalate	15.204	149	221119	4.830	ng	99
61) 4-Chlorophenyl-phenyle...	15.422	204	101636	4.928	ng	99
62) 4-Nitroaniline	15.445	138	40139	3.893	ng	96
63) Azobenzene	15.722	77	193402	4.586	ng	99
66) n-Nitrosodiphenylamine	15.645	169	174867	4.726	ng	99
67) 4-Bromophenyl-phenylether	16.334	248	62558	4.647	ng	97
68) Hexachlorobenzene	16.451	284	76267	4.766	ng	96
69) Atrazine	16.616	200	54439	5.803	ng	98
70) Pentachlorophenol	16.810	266	44119	4.015	ng	98
71) Phenanthrene	17.204	178	338611	5.005	ng	100
72) Anthracene	17.292	178	307065	4.716	ng	99
73) Carbazole	17.586	167	298495	4.711	ng	100
74) Di-n-butylphthalate	18.175	149	354008	4.484	ng	100
75) Fluoranthene	19.292	202	397601	4.951	ng	99
77) Benzidine	19.498	184	50615m	2.925	ng	
78) Pyrene	19.663	202	417746	4.657	ng	99
80) Butylbenzylphthalate	20.622	149	152196	4.024	ng	99
81) Benzo(a)anthracene	21.592	228	418745	4.791	ng	100
82) 3,3'-Dichlorobenzidine	21.516	252	121047	3.994	ng	99
83) Chrysene	21.657	228	413570	4.937	ng	99
84) Bis(2-ethylhexyl)phtha...	21.533	149	223960	4.021	ng	98
85) Di-n-octyl phthalate	22.816	149	331185	3.712	ng	99
87) Indeno(1,2,3-cd)pyrene	28.762	276	475578	4.552	ng #	92
88) Benzo(b)fluoranthene	23.904	252	429214	4.723	ng	99
89) Benzo(k)fluoranthene	23.968	252	413302	4.686	ng	99
90) Benzo(a)pyrene	24.810	252	356658	4.559	ng	98
91) Dibenzo(a,h)anthracene	28.845	278	397247	4.571	ng	100
92) Benzo(g,h,i)perylene	29.951	276	407522	4.607	ng	99

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC005

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
 Data File : BP024277.D
 Acq On : 14 Apr 2025 12:27
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC010

Quant Time: Apr 14 17:26:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 14 17:03:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	237860	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	1022895	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	658652	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1310701	20.000	ng	0.00
76) Chrysene-d12	21.616	240	1408913	20.000	ng	0.00
86) Perylene-d12	24.980	264	1508235	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	272237	18.889	ng	0.00
7) Phenol-d6	6.910	99	369199	18.725	ng	0.00
23) Nitrobenzene-d5	8.881	82	345094	19.207	ng	0.00
42) 2,4,6-Tribromophenol	15.886	330	168790	18.715	ng	0.00
45) 2-Fluorobiphenyl	12.975	172	878366	20.247	ng	0.00
79) Terphenyl-d14	19.892	244	1405643	19.888	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.293	88	61433	9.984	ng	98
3) Pyridine	3.693	79	152243	9.506	ng	99
4) n-Nitrosodimethylamine	3.599	42	52702	9.868	ng	# 98
6) Aniline	7.069	93	176840	9.935	ng	99
8) 2-Chlorophenol	7.305	128	154194	9.573	ng	100
9) Benzaldehyde	6.887	77	111093m	10.879	ng	
10) Phenol	6.940	94	186113	9.401	ng	97
11) bis(2-Chloroethyl)ether	7.157	93	156684	9.794	ng	98
12) 1,3-Dichlorobenzene	7.622	146	176712	10.126	ng	97
13) 1,4-Dichlorobenzene	7.769	146	177067	10.006	ng	99
14) 1,2-Dichlorobenzene	8.081	146	171376	10.016	ng	99
15) Benzyl Alcohol	7.969	79	111176	8.797	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.252	45	177896	10.221	ng	98
17) 2-Methylphenol	8.175	107	119161	9.340	ng	98
18) Hexachloroethane	8.804	117	63912	10.007	ng	98
19) n-Nitroso-di-n-propyla...	8.528	70	119861	9.787	ng	100
20) 3+4-Methylphenols	8.499	107	162332	9.187	ng	99
22) Acetophenone	8.546	105	248823	9.787	ng	99
24) Nitrobenzene	8.922	77	170770	9.590	ng	98
25) Isophorone	9.446	82	307272	9.473	ng	99
26) 2-Nitrophenol	9.628	139	73320	8.575	ng	96
27) 2,4-Dimethylphenol	9.693	122	99186	9.152	ng	97
28) bis(2-Chloroethoxy)met...	9.922	93	217866	9.869	ng	99
29) 2,4-Dichlorophenol	10.163	162	136816	9.263	ng	99
30) 1,2,4-Trichlorobenzene	10.369	180	155965	9.760	ng	100
31) Naphthalene	10.557	128	538892	9.953	ng	99
32) Benzoic acid	9.781	122	94803m	8.095	ng	
33) 4-Chloroaniline	10.669	127	178451	9.433	ng	99
34) Hexachlorobutadiene	10.845	225	92662	9.885	ng	99
35) Caprolactam	11.440	113	47014	8.670	ng	98
36) 4-Chloro-3-methylphenol	11.798	107	158563	9.213	ng	99
37) 2-Methylnaphthalene	12.169	142	368122	9.810	ng	98
38) 1-Methylnaphthalene	12.387	142	365139	9.933	ng	100
40) 1,2,4,5-Tetrachloroben...	12.540	216	177188	9.789	ng	100
41) Hexachlorocyclopentadiene	12.516	237	60914	9.586	ng	96
43) 2,4,6-Trichlorophenol	12.781	196	110203	9.253	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
 Data File : BP024277.D
 Acq On : 14 Apr 2025 12:27
 Operator : RC/JU
 Sample : SSTDICC010
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC010

Quant Time: Apr 14 17:26:30 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 14 17:03:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.857	196	122104	9.251	ng	98
46) 1,1'-Biphenyl	13.187	154	490325	10.080	ng	100
47) 2-Chloronaphthalene	13.228	162	362419	9.985	ng	98
48) 2-Nitroaniline	13.434	65	88889	8.866	ng	95
49) Acenaphthylene	14.081	152	553215	9.711	ng	100
50) Dimethylphthalate	13.816	163	466314	9.704	ng	99
51) 2,6-Dinitrotoluene	13.934	165	95596	9.442	ng	96
52) Acenaphthene	14.428	154	357828	9.877	ng	99
53) 3-Nitroaniline	14.269	138	95237	9.067	ng	97
54) 2,4-Dinitrophenol	14.481	184	41132	7.588	ng	97
55) Dibenzofuran	14.769	168	594953	10.013	ng	99
56) 4-Nitrophenol	14.598	139	75995	8.416	ng	95
57) 2,4-Dinitrotoluene	14.734	165	121276	8.862	ng	# 95
58) Fluorene	15.428	166	459952	10.026	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	115645	9.470	ng	100
60) Diethylphthalate	15.198	149	488847	9.884	ng	100
61) 4-Chlorophenyl-phenyle...	15.428	204	222437	9.985	ng	97
62) 4-Nitroaniline	15.451	138	98638	8.857	ng	93
63) Azobenzene	15.722	77	455459	9.999	ng	96
65) 4,6-Dinitro-2-methylph...	15.516	198	62421	8.151	ng	96
66) n-Nitrosodiphenylamine	15.639	169	383558	9.759	ng	99
67) 4-Bromophenyl-phenylether	16.339	248	138724	9.703	ng	97
68) Hexachlorobenzene	16.457	284	161944	9.528	ng	98
69) Atrazine	16.628	200	109503	10.990	ng	98
70) Pentachlorophenol	16.810	266	101318	8.682	ng	96
71) Phenanthrene	17.210	178	711407	9.900	ng	99
72) Anthracene	17.304	178	666269	9.635	ng	100
73) Carbazole	17.586	167	654205	9.721	ng	99
74) Di-n-butylphthalate	18.180	149	806280	9.616	ng	99
75) Fluoranthene	19.292	202	835153	9.791	ng	98
77) Benzidine	19.498	184	99659	5.730	ng	99
78) Pyrene	19.669	202	870767	9.659	ng	99
80) Butylbenzylphthalate	20.627	149	343670	9.043	ng	99
81) Benzo(a)anthracene	21.598	228	854983	9.734	ng	98
82) 3,3'-Dichlorobenzidine	21.521	252	269772	8.857	ng	98
83) Chrysene	21.668	228	832263	9.887	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	517894	9.253	ng	99
85) Di-n-octyl phthalate	22.827	149	769654	8.584	ng	99
87) Indeno(1,2,3-cd)pyrene	28.792	276	983323	9.480	ng	99
88) Benzo(b)fluoranthene	23.915	252	885212	9.810	ng	99
89) Benzo(k)fluoranthene	23.986	252	852606	9.735	ng	99
90) Benzo(a)pyrene	24.815	252	732209	9.426	ng	99
91) Dibenzo(a,h)anthracene	28.862	278	821160	9.517	ng	99
92) Benzo(g,h,i)perylene	29.962	276	836993	9.530	ng	99

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC010

Abundance

TIC: BP024277.D\data.ms

Time-->

1,4-Dioxane
n-Nitrosodiphenylamine,
2-Fluorophenol, S
Bis(2-chlorophenyl) ether
1,4-Dichlorobenzene, C
1,4-Dichlorobenzene-d4, I
Benzyl 2-chloroacetate
2,2'-bis[4-(4-nitrophenyl)]propane
N-Nitrosodiphenylamine, P
Hexachlorocyclopentadiene-d5, S
Isophorone
Benzotriazole
2,4-Dichlorophenol
2,4-Dichlorophenylmethane
4-Chlorophenyl 2,4-dichlorophenyl ether
4-Chlorophenyl 2,4-dichlorobutadiene, C
Caprolactam
4-Chloro-3-methylphenol, C
2-Methylnaphthalene
Hexachlorocyclopentadiene
2,4,5-Trichlorophenol, C
2-Chloronaphthalenyl
2-Nitroaniline
2,6-Dinitrotoluene
Acenaphthylene
Acenaphthene, C
Acenaphthene-d10, I
Dibenzofuran
Dibenzothiophene
2,3,4,6-Tetrachloro-2,3,4,6-tetrahydrophthalazine
4-Nitrophenyl 2,4-dichlorophenyl ether
4-Nitrophenyl 2,4-dichlorobenzene
4-Bromobenzophenone
4-Bromobenzophenyl ether
Pentachlorophenol, C
Anthracene
Carbazole
Di-n-butylphthalate
Fluoranthene, C
Pyrene
Benzidine
Terphenyl-d14, S
Butylbenzylphthalate
2,2'-Dichlorobenzidine
Chrysene
Bis(2-ethylhexyl)phthalate
Di-n-octyl phthalate, c
Benz(a)anthracene
Benz(a)pyrene, C
Perylene-d12, I
Indeno(1,2,3-cd)pyrene
Benzo(g,h,i)perylene

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
 Data File : BP024278.D
 Acq On : 14 Apr 2025 13:08
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC020

Quant Time: Apr 14 17:26:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 14 17:03:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	251998	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	1081087	20.000	ng	0.00
39) Acenaphthene-d10	14.369	164	688775	20.000	ng	0.00
64) Phenanthrene-d10	17.169	188	1378480	20.000	ng	0.00
76) Chrysene-d12	21.616	240	1415765	20.000	ng	0.00
86) Perylene-d12	24.986	264	1549781	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	636245	41.668	ng	0.00
7) Phenol-d6	6.911	99	866004	41.458	ng	0.00
23) Nitrobenzene-d5	8.875	82	794485	41.839	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	383088	40.617	ng	0.00
45) 2-Fluorobiphenyl	12.975	172	1871534	41.254	ng	0.00
79) Terphenyl-d14	19.898	244	2987245	42.062	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.293	88	139222	21.358	ng	99
3) Pyridine	3.693	79	358370	21.120	ng	99
4) n-Nitrosodimethylamine	3.599	42	118077	20.869	ng	98
6) Aniline	7.069	93	412168	21.857	ng	99
8) 2-Chlorophenol	7.305	128	355815	20.852	ng	99
9) Benzaldehyde	6.881	77	237371	21.940	ng	100
10) Phenol	6.940	94	433531	20.670	ng	98
11) bis(2-Chloroethyl)ether	7.164	93	352530	20.800	ng	100
12) 1,3-Dichlorobenzene	7.622	146	386470	20.903	ng	100
13) 1,4-Dichlorobenzene	7.763	146	390483	20.828	ng	100
14) 1,2-Dichlorobenzene	8.081	146	378518	20.880	ng	99
15) Benzyl Alcohol	7.969	79	278608	20.809	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.258	45	382308	20.734	ng	99
17) 2-Methylphenol	8.175	107	283057	20.942	ng	99
18) Hexachloroethane	8.805	117	140558	20.773	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	274118	21.127	ng	100
20) 3+4-Methylphenols	8.499	107	393131	20.999	ng	99
22) Acetophenone	8.546	105	563994	20.991	ng	99
24) Nitrobenzene	8.916	77	390911	20.770	ng	98
25) Isophorone	9.446	82	705771	20.588	ng	98
26) 2-Nitrophenol	9.628	139	185740	20.553	ng	99
27) 2,4-Dimethylphenol	9.687	122	236436	20.643	ng	98
28) bis(2-Chloroethoxy)met...	9.916	93	480036	20.575	ng	100
29) 2,4-Dichlorophenol	10.163	162	320579	20.536	ng	99
30) 1,2,4-Trichlorobenzene	10.369	180	343641	20.348	ng	99
31) Naphthalene	10.557	128	1179848	20.618	ng	100
32) Benzoic acid	9.805	122	244213m	19.731	ng	
33) 4-Chloroaniline	10.669	127	420086	21.010	ng	100
34) Hexachlorobutadiene	10.846	225	200785	20.267	ng	99
35) Caprolactam	11.446	113	119912	20.922	ng	98
36) 4-Chloro-3-methylphenol	11.799	107	377768	20.767	ng	99
37) 2-Methylnaphthalene	12.169	142	816314	20.583	ng	100
38) 1-Methylnaphthalene	12.387	142	796550	20.503	ng	100
40) 1,2,4,5-Tetrachloroben...	12.540	216	391241	20.669	ng	100
41) Hexachlorocyclopentadiene	12.522	237	135654	20.414	ng	97
43) 2,4,6-Trichlorophenol	12.787	196	254189	20.410	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
 Data File : BP024278.D
 Acq On : 14 Apr 2025 13:08
 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC020

Quant Time: Apr 14 17:26:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 14 17:03:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	281887	20.424	ng	99
46) 1,1'-Biphenyl	13.187	154	1052618	20.694	ng	100
47) 2-Chloronaphthalene	13.228	162	782040	20.603	ng	99
48) 2-Nitroaniline	13.440	65	218194	20.811	ng	99
49) Acenaphthylene	14.087	152	1234728	20.726	ng	99
50) Dimethylphthalate	13.822	163	1029599	20.489	ng	100
51) 2,6-Dinitrotoluene	13.940	165	219492	20.731	ng	98
52) Acenaphthene	14.434	154	785789	20.741	ng	99
53) 3-Nitroaniline	14.269	138	233006	21.212	ng	99
54) 2,4-Dinitrophenol	14.481	184	112157	19.785	ng	94
55) Dibenzofuran	14.769	168	1288363	20.735	ng	99
56) 4-Nitrophenol	14.593	139	199315	21.109	ng	99
57) 2,4-Dinitrotoluene	14.734	165	302332	21.126	ng	98
58) Fluorene	15.428	166	1001515	20.876	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	262077	20.523	ng	99
60) Diethylphthalate	15.198	149	1052183	20.344	ng	100
61) 4-Chlorophenyl-phenyle...	15.422	204	481631	20.675	ng	98
62) 4-Nitroaniline	15.445	138	243257	20.888	ng	96
63) Azobenzene	15.722	77	995912	20.907	ng	100
65) 4,6-Dinitro-2-methylph...	15.510	198	162501	20.176	ng	98
66) n-Nitrosodiphenylamine	15.640	169	849476	20.552	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	302601	20.125	ng	99
68) Hexachlorobenzene	16.451	284	358889	20.077	ng	100
69) Atrazine	16.616	200	184151	17.573	ng	98
70) Pentachlorophenol	16.810	266	241815	19.702	ng	98
71) Phenanthrene	17.210	178	1540112	20.378	ng	100
72) Anthracene	17.298	178	1494006	20.543	ng	99
73) Carbazole	17.581	167	1461729	20.653	ng	100
74) Di-n-butylphthalate	18.175	149	1727074	19.585	ng	100
75) Fluoranthene	19.292	202	1813662	20.218	ng	99
77) Benzidine	19.498	184	154964	8.867	ng	99
78) Pyrene	19.669	202	1904884	21.028	ng	99
80) Butylbenzylphthalate	20.633	149	772776	20.235	ng	96
81) Benzo(a)anthracene	21.598	228	1829798	20.732	ng	99
82) 3,3'-Dichlorobenzidine	21.527	252	610749	19.956	ng	99
83) Chrysene	21.669	228	1739548	20.565	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	1103263	19.616	ng	99
85) Di-n-octyl phthalate	22.827	149	1730436	19.207	ng	100
87) Indeno(1,2,3-cd)pyrene	28.792	276	2180177	20.454	ng	99
88) Benzo(b)fluoranthene	23.916	252	1885654	20.337	ng	99
89) Benzo(k)fluoranthene	23.980	252	1885747	20.955	ng	99
90) Benzo(a)pyrene	24.816	252	1637648	20.518	ng	98
91) Dibenzo(a,h)anthracene	28.868	278	1815743	20.480	ng	98
92) Benzo(g,h,i)perylene	29.951	276	1856380	20.571	ng	99

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC020

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
 Data File : BP024279.D
 Acq On : 14 Apr 2025 13:49
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 14 17:03:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	246363	20.000	ng	0.00
21) Naphthalene-d8	10.505	136	1046876	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	657357	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1277198	20.000	ng	0.00
76) Chrysene-d12	21.622	240	1349860	20.000	ng	0.00
86) Perylene-d12	24.986	264	1485135	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	1236220	82.813	ng	0.00
7) Phenol-d6	6.916	99	1722202	84.332	ng	0.00
23) Nitrobenzene-d5	8.875	82	1540790	83.791	ng	0.00
42) 2,4,6-Tribromophenol	15.881	330	759528	84.379	ng	0.00
45) 2-Fluorobiphenyl	12.969	172	3591010	82.939	ng	0.00
79) Terphenyl-d14	19.898	244	5570563	82.266	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.293	88	252519	39.624	ng	100
3) Pyridine	3.693	79	687730	41.457	ng	100
4) n-Nitrosodimethylamine	3.599	42	225273	40.725	ng	100
6) Aniline	7.069	93	781907	42.413	ng	100
8) 2-Chlorophenol	7.305	128	689257	41.317	ng	100
9) Benzaldehyde	6.881	77	411846	38.937	ng	100
10) Phenol	6.940	94	862244	42.050	ng	100
11) bis(2-Chloroethyl)ether	7.164	93	688989	41.581	ng	100
12) 1,3-Dichlorobenzene	7.622	146	732329	40.516	ng	100
13) 1,4-Dichlorobenzene	7.763	146	736270	40.171	ng	100
14) 1,2-Dichlorobenzene	8.081	146	711951	40.172	ng	100
15) Benzyl Alcohol	7.969	79	570437	43.581	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.252	45	746041	41.386	ng	100
17) 2-Methylphenol	8.169	107	561621	42.503	ng	100
18) Hexachloroethane	8.799	117	266915	40.349	ng	100
19) n-Nitroso-di-n-propyla...	8.528	70	533912	42.092	ng	100
20) 3+4-Methylphenols	8.499	107	784336	42.854	ng	100
22) Acetophenone	8.546	105	1086788	41.770	ng	100
24) Nitrobenzene	8.922	77	762756	41.852	ng	100
25) Isophorone	9.440	82	1408146	42.419	ng	100
26) 2-Nitrophenol	9.628	139	383751	43.852	ng	100
27) 2,4-Dimethylphenol	9.687	122	472488	42.600	ng	100
28) bis(2-Chloroethoxy)met...	9.922	93	947250	41.926	ng	100
29) 2,4-Dichlorophenol	10.157	162	645849	42.725	ng	100
30) 1,2,4-Trichlorobenzene	10.369	180	671264	41.046	ng	100
31) Naphthalene	10.557	128	2258924	40.765	ng	100
32) Benzoic acid	9.828	122	506813	42.286	ng	100
33) 4-Chloroaniline	10.669	127	830870	42.913	ng	100
34) Hexachlorobutadiene	10.846	225	394737	41.146	ng	100
35) Caprolactam	11.452	113	234519	42.256	ng	100
36) 4-Chloro-3-methylphenol	11.793	107	747541	42.438	ng	100
37) 2-Methylnaphthalene	12.163	142	1580497	41.154	ng	100
38) 1-Methylnaphthalene	12.381	142	1530982	40.695	ng	100
40) 1,2,4,5-Tetrachloroben...	12.540	216	757748	41.945	ng	100
41) Hexachlorocyclopentadiene	12.522	237	286135	45.116	ng	100
43) 2,4,6-Trichlorophenol	12.781	196	511566	43.038	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
 Data File : BP024279.D
 Acq On : 14 Apr 2025 13:49
 Operator : RC/JU
 Sample : SSTDICCC040
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 14 17:03:26 2025
 Response via : Initial Calibration

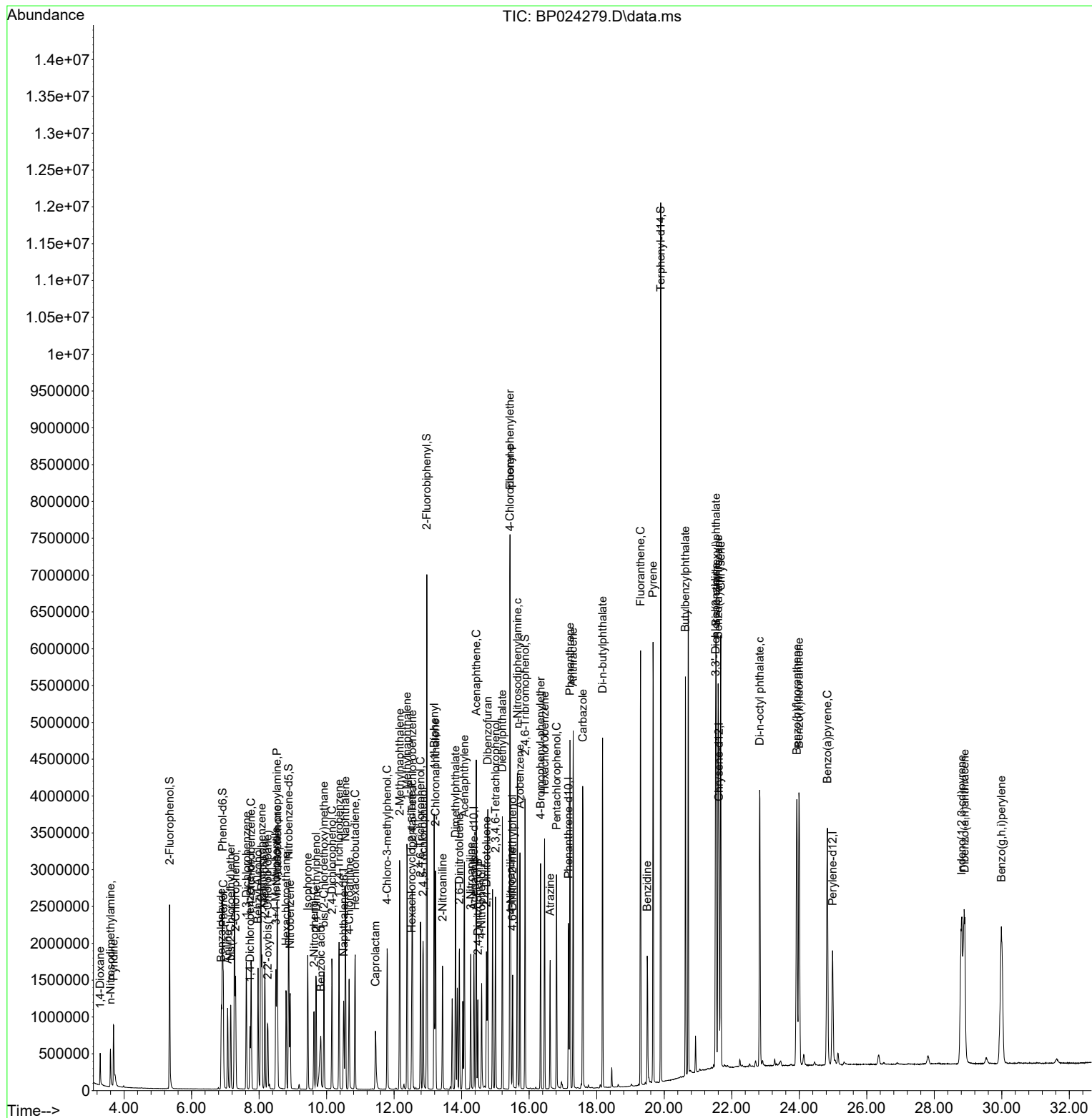
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.857	196	561631	42.637	ng	100
46) 1,1'-Biphenyl	13.187	154	2010029	41.404	ng	100
47) 2-Chloronaphthalene	13.228	162	1497152	41.328	ng	100
48) 2-Nitroaniline	13.434	65	434050	43.377	ng	100
49) Acenaphthylene	14.081	152	2384785	41.944	ng	100
50) Dimethylphthalate	13.822	163	1965142	40.976	ng	100
51) 2,6-Dinitrotoluene	13.934	165	427248	42.283	ng	100
52) Acenaphthene	14.434	154	1480526	40.947	ng	100
53) 3-Nitroaniline	14.269	138	465347	44.389	ng	100
54) 2,4-Dinitrophenol	14.481	184	244714	45.231	ng	100
55) Dibenzofuran	14.775	168	2409526	40.633	ng	100
56) 4-Nitrophenol	14.593	139	401591	44.564	ng	100
57) 2,4-Dinitrotoluene	14.734	165	588798	43.110	ng	100
58) Fluorene	15.434	166	1838264	40.150	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	511714	41.987	ng	100
60) Diethylphthalate	15.204	149	2037863	41.286	ng	100
61) 4-Chlorophenyl-phenyle...	15.428	204	894350	40.226	ng	100
62) 4-Nitroaniline	15.457	138	485622	43.693	ng	100
63) Azobenzene	15.728	77	1881773	41.392	ng	100
65) 4,6-Dinitro-2-methylph...	15.510	198	335347	44.938	ng	100
66) n-Nitrosodiphenylamine	15.651	169	1609251	42.021	ng	100
67) 4-Bromophenyl-phenylether	16.340	248	587416	42.165	ng	100
68) Hexachlorobenzene	16.457	284	692546	41.815	ng	100
69) Atrazine	16.622	200	308618	31.786	ng	100
70) Pentachlorophenol	16.810	266	499858	43.955	ng	100
71) Phenanthrene	17.210	178	2879498	41.121	ng	100
72) Anthracene	17.304	178	2838724	42.130	ng	100
73) Carbazole	17.587	167	2770072	42.242	ng	100
74) Di-n-butylphthalate	18.175	149	3571220	43.708	ng	100
75) Fluoranthene	19.298	202	3441282	41.404	ng	100
77) Benzidine	19.498	184	1178258	70.714	ng	100
78) Pyrene	19.669	202	3523104	40.790	ng	100
80) Butylbenzylphthalate	20.628	149	1607881	44.158	ng	100
81) Benzo(a)anthracene	21.598	228	3489938	41.472	ng	100
82) 3,3'-Dichlorobenzidine	21.522	252	1311770	44.953	ng	100
83) Chrysene	21.675	228	3274153	40.596	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	2411998	44.979	ng	100
85) Di-n-octyl phthalate	22.827	149	3943939	45.913	ng	100
87) Indeno(1,2,3-cd)pyrene	28.809	276	4288630	41.987	ng	100
88) Benzo(b)fluoranthene	23.927	252	3737035	42.058	ng	100
89) Benzo(k)fluoranthene	23.992	252	3600626	41.753	ng	100
90) Benzo(a)pyrene	24.833	252	3240684	42.369	ng	100
91) Dibenzo(a,h)anthracene	28.904	278	3573562	42.061	ng	100
92) Benzo(g,h,i)perylene	29.986	276	3617069	41.826	ng	100

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024279.D
Acq On : 14 Apr 2025 13:49
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SSTDICCC040

Quant Time: Apr 14 17:26:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 17:03:26 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
 Data File : BP024280.D
 Acq On : 14 Apr 2025 15:10
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050

Quant Time: Apr 14 17:26:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 14 17:03:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	277364	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	1176925	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	760235	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1505097	20.000	ng	0.00
76) Chrysene-d12	21.616	240	1527193	20.000	ng	0.00
86) Perylene-d12	24.986	264	1706545	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	1677842	99.834	ng	0.00
7) Phenol-d6	6.916	99	2353543	102.366	ng	0.00
23) Nitrobenzene-d5	8.881	82	2100100	101.588	ng	0.00
42) 2,4,6-Tribromophenol	15.881	330	1098486	105.521	ng	0.00
45) 2-Fluorobiphenyl	12.975	172	4800845	95.877	ng	0.00
79) Terphenyl-d14	19.898	244	7671902	100.142	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.293	88	333474	46.479	ng	100
3) Pyridine	3.687	79	924382m	49.495	ng	
4) n-Nitrosodimethylamine	3.593	42	306279	49.180	ng	99
6) Aniline	7.075	93	972988	46.879	ng	100
8) 2-Chlorophenol	7.310	128	942078	50.160	ng	99
9) Benzaldehyde	6.887	77	507606	42.627	ng	97
10) Phenol	6.946	94	1177623	51.012	ng	99
11) bis(2-Chloroethyl)ether	7.163	93	915679	49.085	ng	100
12) 1,3-Dichlorobenzene	7.622	146	972089	47.770	ng	100
13) 1,4-Dichlorobenzene	7.769	146	995872	48.262	ng	99
14) 1,2-Dichlorobenzene	8.087	146	944314	47.327	ng	99
15) Benzyl Alcohol	7.975	79	791998	53.745	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	973910	47.988	ng	99
17) 2-Methylphenol	8.175	107	766536	51.526	ng	100
18) Hexachloroethane	8.805	117	360999	48.472	ng	98
19) n-Nitroso-di-n-propyla...	8.534	70	722064	50.562	ng	98
20) 3+4-Methylphenols	8.505	107	1086273	52.718	ng	99
22) Acetophenone	8.546	105	1441728	49.289	ng	# 99
24) Nitrobenzene	8.922	77	1025983	50.074	ng	99
25) Isophorone	9.446	82	1913172	51.264	ng	99
26) 2-Nitrophenol	9.622	139	541332	55.024	ng	98
27) 2,4-Dimethylphenol	9.687	122	662183	53.106	ng	99
28) bis(2-Chloroethoxy)met...	9.922	93	1265001	49.803	ng	100
29) 2,4-Dichlorophenol	10.157	162	904519	53.225	ng	100
30) 1,2,4-Trichlorobenzene	10.369	180	908732	49.426	ng	98
31) Naphthalene	10.557	128	3049887	48.957	ng	100
32) Benzoic acid	9.851	122	794832	58.988	ng	99
33) 4-Chloroaniline	10.669	127	1110772	51.030	ng	99
34) Hexachlorobutadiene	10.840	225	533336	49.450	ng	99
35) Caprolactam	11.463	113	339834	54.466	ng	100
36) 4-Chloro-3-methylphenol	11.798	107	1046795	52.860	ng	99
37) 2-Methylnaphthalene	12.169	142	2156247	49.942	ng	99
38) 1-Methylnaphthalene	12.393	142	2095184	49.538	ng	99
40) 1,2,4,5-Tetrachloroben...	12.540	216	1034638	49.522	ng	99
41) Hexachlorocyclopentadiene	12.522	237	378578	51.614	ng	99
43) 2,4,6-Trichlorophenol	12.787	196	732902	53.315	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
 Data File : BP024280.D
 Acq On : 14 Apr 2025 15:10
 Operator : RC/JU
 Sample : SSTDICC050
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC050

Quant Time: Apr 14 17:26:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 14 17:03:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	814885	53.491	ng	98
46) 1,1'-Biphenyl	13.187	154	2725840	48.551	ng	99
47) 2-Chloronaphthalene	13.234	162	2062098	49.220	ng	100
48) 2-Nitroaniline	13.434	65	616599	53.282	ng	98
49) Acenaphthylene	14.081	152	3279666	49.877	ng	100
50) Dimethylphthalate	13.822	163	2775759	50.046	ng	100
51) 2,6-Dinitrotoluene	13.934	165	606525	51.903	ng	98
52) Acenaphthene	14.428	154	2054333	49.128	ng	100
53) 3-Nitroaniline	14.275	138	649071	53.536	ng	98
54) 2,4-Dinitrophenol	14.481	184	373165	59.640	ng	99
55) Dibenzofuran	14.769	168	3318798	48.392	ng	100
56) 4-Nitrophenol	14.592	139	581023	55.750	ng	97
57) 2,4-Dinitrotoluene	14.734	165	839701	53.160	ng	99
58) Fluorene	15.428	166	2599105	49.085	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	734741	52.128	ng	100
60) Diethylphthalate	15.204	149	2849294	49.914	ng	100
61) 4-Chlorophenyl-phenyle...	15.422	204	1267291	49.287	ng	99
62) 4-Nitroaniline	15.451	138	691081	53.764	ng	96
63) Azobenzene	15.722	77	2632843	50.076	ng	99
65) 4,6-Dinitro-2-methylph...	15.510	198	503765	57.285	ng	97
66) n-Nitrosodiphenylamine	15.645	169	2225475	49.312	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	827245	50.389	ng	99
68) Hexachlorobenzene	16.457	284	983768	50.405	ng	98
69) Atrazine	16.622	200	610479	53.356	ng	100
70) Pentachlorophenol	16.810	266	739779	55.203	ng	99
71) Phenanthrene	17.210	178	4024282	48.768	ng	100
72) Anthracene	17.298	178	3960913	49.883	ng	100
73) Carbazole	17.581	167	3814743	49.364	ng	100
74) Di-n-butylphthalate	18.180	149	4930617	51.208	ng	100
75) Fluoranthene	19.298	202	4815021	49.160	ng	99
77) Benzidine	19.498	184	1272924	67.525	ng	99
78) Pyrene	19.675	202	4942328	50.577	ng	100
80) Butylbenzylphthalate	20.627	149	2215843	53.788	ng	97
81) Benzo(a)anthracene	21.598	228	4711301	49.485	ng	99
82) 3,3'-Dichlorobenzidine	21.527	252	1768950	53.582	ng	99
83) Chrysene	21.669	228	4480150	49.099	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	3256722	53.679	ng	99
85) Di-n-octyl phthalate	22.821	149	5458484	56.166	ng	99
87) Indeno(1,2,3-cd)pyrene	28.792	276	5977144m	50.926	ng	
88) Benzo(b)fluoranthene	23.915	252	5102465	49.975	ng	99
89) Benzo(k)fluoranthene	23.986	252	4923203	49.683	ng	99
90) Benzo(a)pyrene	24.821	252	4490517	51.093	ng	100
91) Dibenzo(a,h)anthracene	28.880	278	4987219	51.084	ng	98
92) Benzo(g,h,i)perylene	29.980	276	5033807	50.656	ng	99

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC050

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
 Data File : BP024281.D
 Acq On : 14 Apr 2025 16:32
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC060

Quant Time: Apr 14 17:27:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 14 17:03:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	283549	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	1206231	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	777459	20.000	ng	0.00
64) Phenanthrene-d10	17.169	188	1536805	20.000	ng	0.00
76) Chrysene-d12	21.621	240	1596148	20.000	ng	0.00
86) Perylene-d12	24.986	264	1858365	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	2173071	126.481	ng	0.00
7) Phenol-d6	6.916	99	3009690	128.049	ng	0.00
23) Nitrobenzene-d5	8.881	82	2579126	121.729	ng	0.00
42) 2,4,6-Tribromophenol	15.881	330	1382037	129.818	ng	0.00
45) 2-Fluorobiphenyl	12.975	172	5835791	113.964	ng	0.00
79) Terphenyl-d14	19.898	244	9228969	115.262	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.293	88	417124	56.869	ng	100
3) Pyridine	3.687	79	1176097m	61.599	ng	
4) n-Nitrosodimethylamine	3.599	42	391176	61.443	ng	99
6) Aniline	7.069	93	1214636	57.245	ng	100
8) 2-Chlorophenol	7.305	128	1190812	62.021	ng	99
9) Benzaldehyde	6.881	77	617878	50.755	ng	99
10) Phenol	6.946	94	1513303	64.123	ng	99
11) bis(2-Chloroethyl)ether	7.163	93	1155297	60.579	ng	100
12) 1,3-Dichlorobenzene	7.622	146	1218832	58.589	ng	100
13) 1,4-Dichlorobenzene	7.763	146	1244205	58.981	ng	100
14) 1,2-Dichlorobenzene	8.081	146	1199988	58.830	ng	100
15) Benzyl Alcohol	7.975	79	1002308	66.533	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.257	45	1187992	57.259	ng	99
17) 2-Methylphenol	8.175	107	978531	64.342	ng	99
18) Hexachloroethane	8.804	117	453349	59.545	ng	98
19) n-Nitroso-di-n-propyla...	8.534	70	883042	60.486	ng	99
20) 3+4-Methylphenols	8.499	107	1367005	64.895	ng	99
22) Acetophenone	8.546	105	1792666	59.797	ng	# 99
24) Nitrobenzene	8.922	77	1276229	60.775	ng	100
25) Isophorone	9.446	82	2365423	61.842	ng	99
26) 2-Nitrophenol	9.628	139	690735	68.504	ng	99
27) 2,4-Dimethylphenol	9.693	122	826335	64.660	ng	98
28) bis(2-Chloroethoxy)met...	9.922	93	1539129	59.124	ng	99
29) 2,4-Dichlorophenol	10.157	162	1124170	64.543	ng	99
30) 1,2,4-Trichlorobenzene	10.369	180	1138896	60.440	ng	99
31) Naphthalene	10.557	128	3790924	59.373	ng	99
32) Benzoic acid	9.869	122	1032910m	74.795	ng	
33) 4-Chloroaniline	10.675	127	1372601	61.527	ng	100
34) Hexachlorobutadiene	10.845	225	660129	59.719	ng	99
35) Caprolactam	11.475	113	437691	68.445	ng	99
36) 4-Chloro-3-methylphenol	11.804	107	1314421	64.762	ng	98
37) 2-Methylnaphthalene	12.169	142	2676555	60.487	ng	99
38) 1-Methylnaphthalene	12.387	142	2599119	59.960	ng	100
40) 1,2,4,5-Tetrachloroben...	12.540	216	1281552	59.981	ng	100
41) Hexachlorocyclopentadiene	12.522	237	459486	61.257	ng	99
43) 2,4,6-Trichlorophenol	12.787	196	909999	64.732	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
 Data File : BP024281.D
 Acq On : 14 Apr 2025 16:32
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC060

Quant Time: Apr 14 17:27:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 14 17:03:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	1017414	65.306	ng	99
46) 1,1'-Biphenyl	13.187	154	3330176	58.001	ng	99
47) 2-Chloronaphthalene	13.228	162	2542212	59.336	ng	99
48) 2-Nitroaniline	13.439	65	781584	66.042	ng	98
49) Acenaphthylene	14.087	152	4111553	61.143	ng	99
50) Dimethylphthalate	13.828	163	3404463	60.022	ng	100
51) 2,6-Dinitrotoluene	13.939	165	764810	63.998	ng	98
52) Acenaphthene	14.434	154	2516981	58.858	ng	99
53) 3-Nitroaniline	14.275	138	793796	64.022	ng	99
54) 2,4-Dinitrophenol	14.486	184	490497	76.655	ng	97
55) Dibenzofuran	14.775	168	4124640	58.810	ng	100
56) 4-Nitrophenol	14.598	139	754038	70.748	ng	99
57) 2,4-Dinitrotoluene	14.739	165	1079633	66.836	ng	98
58) Fluorene	15.434	166	3184960	58.817	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.004	232	909497	63.097	ng	100
60) Diethylphthalate	15.204	149	3495577	59.879	ng	100
61) 4-Chlorophenyl-phenyle...	15.428	204	1563042	59.442	ng	99
62) 4-Nitroaniline	15.457	138	886163	67.414	ng	98
63) Azobenzene	15.728	77	3229873	60.070	ng	98
65) 4,6-Dinitro-2-methylph...	15.516	198	647253	72.083	ng	94
66) n-Nitrosodiphenylamine	15.651	169	2805137	60.874	ng	100
67) 4-Bromophenyl-phenylether	16.339	248	1038071	61.926	ng	98
68) Hexachlorobenzene	16.457	284	1239550	62.200	ng	97
70) Pentachlorophenol	16.816	266	936562	68.445	ng	100
71) Phenanthrene	17.222	178	4988840	59.209	ng	99
72) Anthracene	17.310	178	4938117	60.907	ng	99
73) Carbazole	17.592	167	4780408	60.584	ng	99
74) Di-n-butylphthalate	18.186	149	6167206	62.730	ng	100
75) Fluoranthene	19.304	202	6009748	60.092	ng	98
77) Benzidine	19.504	184	1446166	73.401	ng	100
78) Pyrene	19.680	202	6250781	61.204	ng	100
80) Butylbenzylphthalate	20.621	149	2840001	65.961	ng	98
81) Benzo(a)anthracene	21.604	228	6002059	60.318	ng	99
82) 3,3'-Dichlorobenzidine	21.521	252	2323294	67.333	ng	100
83) Chrysene	21.674	228	5714775	59.924	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	4153128	65.497	ng	99
85) Di-n-octyl phthalate	22.839	149	7116217	70.060	ng	99
87) Indeno(1,2,3-cd)pyrene	28.821	276	8057576m	63.043	ng	
88) Benzo(b)fluoranthene	23.927	252	6715444	60.400	ng	99
89) Benzo(k)fluoranthene	24.004	252	6500782	60.244	ng	99
90) Benzo(a)pyrene	24.827	252	5964163	62.316	ng	99
91) Dibenzo(a,h)anthracene	28.892	278	6614173	62.214	ng	98
92) Benzo(g,h,i)perylene	30.003	276	6740929	62.294	ng	98

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC060

[illegible]

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
 Data File : BP024282.D
 Acq On : 14 Apr 2025 17:13
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

Quant Time: Apr 14 18:14:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 14 17:03:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.728	152	244732	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	1024316	20.000	ng	0.00
39) Acenaphthene-d10	14.369	164	641442	20.000	ng	0.00
64) Phenanthrene-d10	17.180	188	1279313	20.000	ng	0.02
76) Chrysene-d12	21.621	240	1378105	20.000	ng	0.00
86) Perylene-d12	24.986	264	1583281	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	2341577	157.905	ng	0.00
7) Phenol-d6	6.916	99	3224074	158.927	ng	0.00
23) Nitrobenzene-d5	8.881	82	2847003	158.236	ng	0.00
42) 2,4,6-Tribromophenol	15.892	330	1507534	171.633	ng	0.01
45) 2-Fluorobiphenyl	12.981	172	6362479	150.596	ng	0.01
79) Terphenyl-d14	19.922	244	10209149	147.678	ng	0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.293	88	467234	73.805	ng	99
3) Pyridine	3.687	79	1349044m	81.864	ng	
4) n-Nitrosodimethylamine	3.593	42	434861	79.138	ng	97
6) Aniline	7.069	93	1351337	73.789	ng	100
8) 2-Chlorophenol	7.305	128	1299769	78.433	ng	99
9) Benzaldehyde	6.881	77	608272	57.891	ng	99
10) Phenol	6.946	94	1608027	78.944	ng	98
11) bis(2-Chloroethyl)ether	7.163	93	1272327	77.297	ng	99
12) 1,3-Dichlorobenzene	7.622	146	1344292	74.869	ng	100
13) 1,4-Dichlorobenzene	7.763	146	1369087	75.195	ng	99
14) 1,2-Dichlorobenzene	8.075	146	1310407	74.432	ng	100
15) Benzyl Alcohol	7.975	79	1098602	84.492	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.257	45	1319830	73.704	ng	98
17) 2-Methylphenol	8.175	107	1064555	81.101	ng	100
18) Hexachloroethane	8.799	117	498897	75.920	ng	99
19) n-Nitroso-di-n-propyla...	8.534	70	968278	76.844	ng	99
20) 3+4-Methylphenols	8.499	107	1492527	82.092	ng	99
22) Acetophenone	8.546	105	1977578	77.680	ng	# 100
24) Nitrobenzene	8.922	77	1392093	78.066	ng	98
25) Isophorone	9.446	82	2617853	80.596	ng	99
26) 2-Nitrophenol	9.628	139	760077	88.768	ng	98
27) 2,4-Dimethylphenol	9.693	122	905891	83.475	ng	99
28) bis(2-Chloroethoxy)met...	9.922	93	1689686	76.434	ng	99
29) 2,4-Dichlorophenol	10.157	162	1238253	83.719	ng	99
30) 1,2,4-Trichlorobenzene	10.369	180	1252476	78.272	ng	99
31) Naphthalene	10.557	128	4190486	77.287	ng	100
32) Benzoic acid	9.875	122	1154243m	98.425	ng	
33) 4-Chloroaniline	10.669	127	1547427	81.682	ng	99
34) Hexachlorobutadiene	10.840	225	743811	79.240	ng	99
35) Caprolactam	11.481	113	469910	86.534	ng	98
36) 4-Chloro-3-methylphenol	11.804	107	1438601	83.468	ng	98
37) 2-Methylnaphthalene	12.169	142	2918685	77.673	ng	99
38) 1-Methylnaphthalene	12.393	142	2831173	76.912	ng	100
40) 1,2,4,5-Tetrachloroben...	12.545	216	1416894	80.378	ng	100
41) Hexachlorocyclopentadiene	12.528	237	523136	84.532	ng	99
43) 2,4,6-Trichlorophenol	12.787	196	1000309	86.244	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
 Data File : BP024282.D
 Acq On : 14 Apr 2025 17:13
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDICC080

Quant Time: Apr 14 18:14:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 14 17:03:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.869	196	1103073	85.819	ng	98
46) 1,1'-Biphenyl	13.198	154	3665607	77.381	ng	99
47) 2-Chloronaphthalene	13.234	162	2766302	78.257	ng	99
48) 2-Nitroaniline	13.445	65	848619	86.912	ng	98
49) Acenaphthylene	14.087	152	4438648	80.004	ng	100
50) Dimethylphthalate	13.834	163	3659579	78.201	ng	99
51) 2,6-Dinitrotoluene	13.945	165	814314	82.589	ng	98
52) Acenaphthene	14.439	154	2761536	78.270	ng	100
53) 3-Nitroaniline	14.281	138	919775	89.913	ng	99
54) 2,4-Dinitrophenol	14.492	184	541483	102.567	ng	99
55) Dibenzofuran	14.781	168	4420987	76.402	ng	99
56) 4-Nitrophenol	14.604	139	814261	92.599	ng	98
57) 2,4-Dinitrotoluene	14.745	165	1169554	87.755	ng	98
58) Fluorene	15.439	166	3479094	77.873	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.004	232	999335	84.031	ng	100
60) Diethylphthalate	15.222	149	3800651	78.910	ng	99
61) 4-Chlorophenyl-phenyle...	15.439	204	1689620	77.881	ng	100
62) 4-Nitroaniline	15.469	138	965926	89.063	ng	98
63) Azobenzene	15.739	77	3448680	77.741	ng	98
65) 4,6-Dinitro-2-methylph...	15.528	198	705506	94.385	ng	92
66) n-Nitrosodiphenylamine	15.657	169	2970516	77.438	ng	99
67) 4-Bromophenyl-phenylether	16.345	248	1137128	81.488	ng	99
68) Hexachlorobenzene	16.469	284	1347567	81.231	ng	97
70) Pentachlorophenol	16.828	266	1027691	90.221	ng	99
71) Phenanthrene	17.228	178	5415046	77.203	ng	100
72) Anthracene	17.316	178	5270987	78.097	ng	99
73) Carbazole	17.604	167	5275449	80.314	ng	100
74) Di-n-butylphthalate	18.192	149	6569078	80.266	ng	100
75) Fluoranthene	19.316	202	6520527	78.322	ng	99
77) Benzidine	19.510	184	1694694m	99.624	ng	
78) Pyrene	19.686	202	6718789	76.195	ng	100
80) Butylbenzylphthalate	20.645	149	3163633	85.104	ng	96
81) Benzo(a)anthracene	21.604	228	6729971	78.335	ng	99
82) 3,3'-Dichlorobenzidine	21.539	252	2536509	85.143	ng	99
83) Chrysene	21.680	228	6433173	78.130	ng	99
84) Bis(2-ethylhexyl)phtha...	21.545	149	4516949	82.506	ng	98
85) Di-n-octyl phthalate	22.833	149	7969779	90.878	ng	99
87) Indeno(1,2,3-cd)pyrene	28.815	276	9286186	85.280	ng	99
88) Benzo(b)fluoranthene	23.933	252	7677613	81.051	ng	98
89) Benzo(k)fluoranthene	23.998	252	7207214	78.395	ng	100
90) Benzo(a)pyrene	24.833	252	6703562	82.211	ng	99
91) Dibenzo(a,h)anthracene	28.886	278	7614901	84.071	ng	98
92) Benzo(g,h,i)perylene	29.997	276	7750941	84.072	ng	99

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

Instrument :
BNA_P
ClientSampleId :
SSTDICC080

Abundance

TIC: BP024282.D\data.ms

Time-->

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
 Data File : BP024283.D
 Acq On : 14 Apr 2025 18:35
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVP041425

Quant Time: Apr 15 04:54:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 15 04:48:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.734	152	232241	20.000	ng	0.00
21) Naphthalene-d8	10.504	136	956448	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	600031	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1178916	20.000	ng	-0.02
76) Chrysene-d12	21.616	240	1288125	20.000	ng	0.00
86) Perylene-d12	24.986	264	1476872	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.346	112	1141956	81.302	ng	0.00
7) Phenol-d6	6.911	99	1559050	81.063	ng	0.00
23) Nitrobenzene-d5	8.881	82	1401115	83.531	ng	0.00
42) 2,4,6-Tribromophenol	15.875	330	709703	85.488	ng	-0.02
45) 2-Fluorobiphenyl	12.975	172	3319933	84.715	ng	0.00
79) Terphenyl-d14	19.892	244	5217888	81.649	ng	-0.03
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.293	88	240091	40.412	ng	100
3) Pyridine	3.687	79	626813	39.955	ng	99
4) n-Nitrosodimethylamine	3.593	42	209326	40.205	ng	98
6) Aniline	7.069	93	710981	41.370	ng	100
8) 2-Chlorophenol	7.305	128	632515	40.334	ng	99
9) Benzaldehyde	6.881	77	399803	42.024	ng	98
10) Phenol	6.940	94	777631	40.306	ng	100
11) bis(2-Chloroethyl)ether	7.163	93	620261	39.902	ng	99
12) 1,3-Dichlorobenzene	7.622	146	680343	40.298	ng	100
13) 1,4-Dichlorobenzene	7.769	146	694020	40.516	ng	99
14) 1,2-Dichlorobenzene	8.081	146	659947	39.898	ng	99
15) Benzyl Alcohol	7.969	79	517678	41.621	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.258	45	674999	40.173	ng	99
17) 2-Methylphenol	8.175	107	512292	41.046	ng	100
18) Hexachloroethane	8.799	117	250852	40.522	ng	99
19) n-Nitroso-di-n-propyla...	8.528	70	481540	40.471	ng	99
20) 3+4-Methylphenols	8.499	107	706733	40.810	ng	99
22) Acetophenone	8.546	105	986019	41.652	ng	100
24) Nitrobenzene	8.922	77	689231	41.537	ng	100
25) Isophorone	9.446	82	1264480	41.648	ng	99
26) 2-Nitrophenol	9.628	139	352229	43.376	ng	99
27) 2,4-Dimethylphenol	9.687	122	425062	41.689	ng	99
28) bis(2-Chloroethoxy)met...	9.922	93	849161	41.402	ng	99
29) 2,4-Dichlorophenol	10.163	162	590306	42.461	ng	98
30) 1,2,4-Trichlorobenzene	10.369	180	619818	41.612	ng	99
31) Naphthalene	10.557	128	2085090	41.386	ng	99
32) Benzoic acid	9.834	122	486627	40.959	ng	98
33) 4-Chloroaniline	10.669	127	761817	42.937	ng	99
34) Hexachlorobutadiene	10.846	225	367684	42.007	ng	100
35) Caprolactam	11.457	113	216229	42.152	ng	99
36) 4-Chloro-3-methylphenol	11.799	107	675857	41.737	ng	98
37) 2-Methylnaphthalene	12.169	142	1446647	41.403	ng	100
38) 1-Methylnaphthalene	12.387	142	1408633	41.210	ng	99
40) 1,2,4,5-Tetrachloroben...	12.540	216	697580	42.275	ng	100
41) Hexachlorocyclopentadiene	12.516	237	254676	43.639	ng	99
43) 2,4,6-Trichlorophenol	12.781	196	475349	43.329	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
 Data File : BP024283.D
 Acq On : 14 Apr 2025 18:35
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP041425

Quant Time: Apr 15 04:54:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 15 04:48:42 2025
 Response via : Initial Calibration

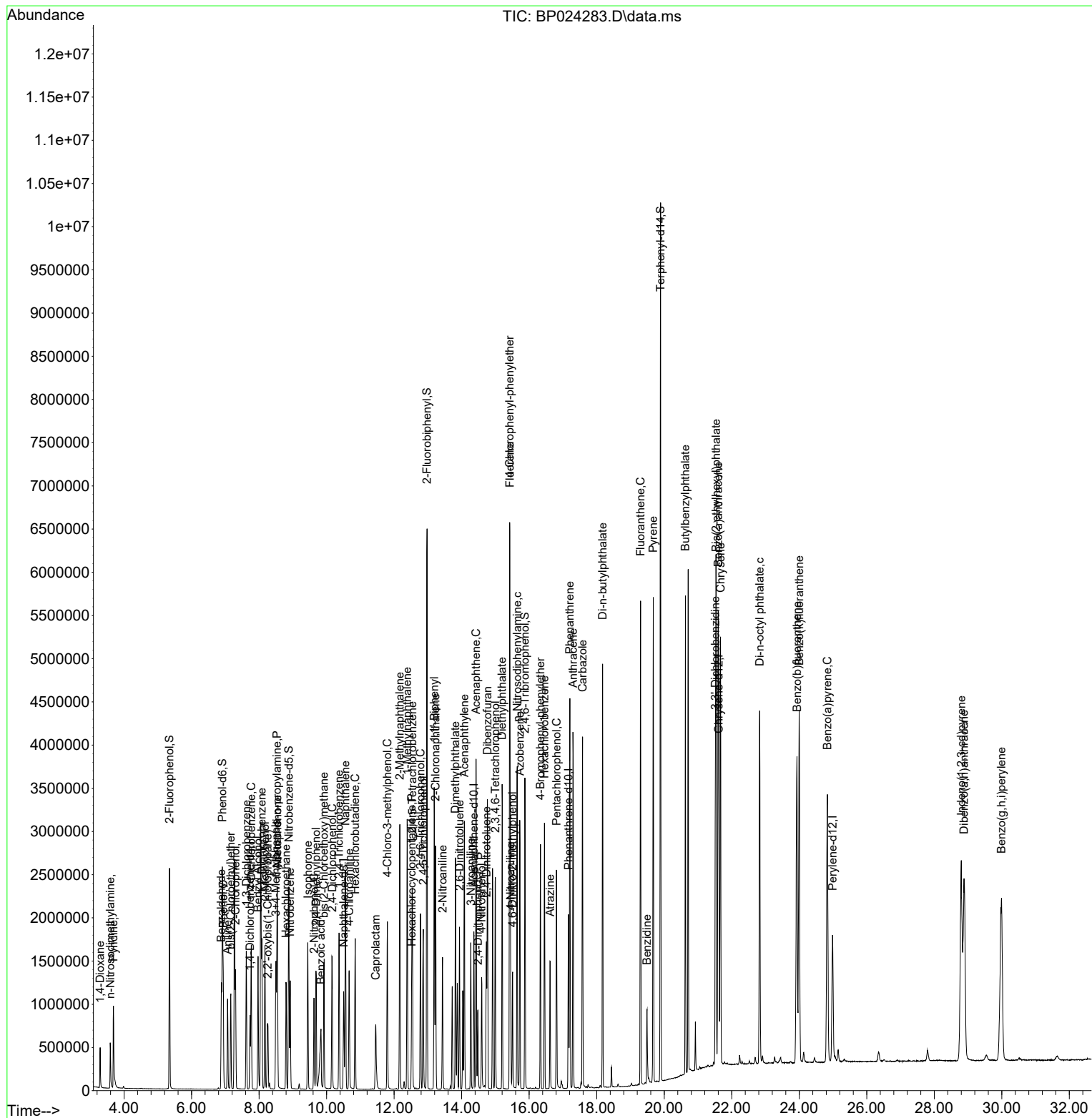
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.863	196	520298	42.828	ng	97
46) 1,1'-Biphenyl	13.187	154	1834570	41.595	ng	99
47) 2-Chloronaphthalene	13.228	162	1377424	41.786	ng	100
48) 2-Nitroaniline	13.434	65	392742	42.475	ng	98
49) Acenaphthylene	14.081	152	2168474	41.783	ng	99
50) Dimethylphthalate	13.816	163	1809923	41.478	ng	99
51) 2,6-Dinitrotoluene	13.940	165	398345	42.990	ng	97
52) Acenaphthene	14.428	154	1344151	40.853	ng	99
53) 3-Nitroaniline	14.275	138	427828	43.931	ng	98
54) 2,4-Dinitrophenol	14.481	184	231882	42.485	ng	98
55) Dibenzofuran	14.763	168	2187786	40.679	ng	99
56) 4-Nitrophenol	14.592	139	378214	44.968	ng	99
57) 2,4-Dinitrotoluene	14.734	165	550175	43.527	ng	97
58) Fluorene	15.428	166	1738215	41.750	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	470547	41.995	ng	99
60) Diethylphthalate	15.198	149	1869274	41.570	ng	99
61) 4-Chlorophenyl-phenyle...	15.422	204	844629	41.777	ng	99
62) 4-Nitroaniline	15.451	138	444482	43.114	ng	96
63) Azobenzene	15.722	77	1722900	41.686	ng	98
65) 4,6-Dinitro-2-methylph...	15.510	198	317548	42.724	ng	95
66) n-Nitrosodiphenylamine	15.645	169	1460282	41.500	ng	100
67) 4-Bromophenyl-phenylether	16.334	248	545579	42.314	ng	97
68) Hexachlorobenzene	16.451	284	642095	41.909	ng	96
69) Atrazine	16.622	200	282908	31.567	ng	98
70) Pentachlorophenol	16.810	266	458529	42.900	ng	99
71) Phenanthrene	17.204	178	2612052	40.615	ng	100
72) Anthracene	17.298	178	2606508	42.051	ng	100
73) Carbazole	17.581	167	2564955	42.351	ng	99
74) Di-n-butylphthalate	18.175	149	3360635	44.539	ng	100
75) Fluoranthene	19.298	202	3195045	41.771	ng	99
77) Benzidine	19.492	184	588487	36.041	ng	100
78) Pyrene	19.675	202	3276290	40.022	ng	99
80) Butylbenzylphthalate	20.627	149	1511473	43.107	ng	97
81) Benzo(a)anthracene	21.598	228	3299250	41.207	ng	99
82) 3,3'-Dichlorobenzidine	21.516	252	1212290	43.139	ng	99
83) Chrysene	21.669	228	3136332	40.888	ng	100
84) Bis(2-ethylhexyl)phtha...	21.539	149	2282222	44.400	ng	100
85) Di-n-octyl phthalate	22.827	149	3803266	45.513	ng	100
87) Indeno(1,2,3-cd)pyrene	28.798	276	4313548m	42.071	ng	
88) Benzo(b)fluoranthene	23.933	252	3654984	41.288	ng	99
89) Benzo(k)fluoranthene	23.998	252	3512834	41.081	ng	100
90) Benzo(a)pyrene	24.833	252	3196130	41.855	ng	99
91) Dibenzo(a,h)anthracene	28.880	278	3566000	41.902	ng	98
92) Benzo(g,h,i)perylene	29.992	276	3590938	41.455	ng	98

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

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 Data File : BP024283.D
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 ALS Vial : 13 Sample Multiplier: 1

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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	94	0.00
2	1,4-Dioxane	0.512	0.517	-1.0	95	0.00
3	Pyridine	1.351	1.349	0.1	91	0.00
4	n-Nitrosodimethylamine	0.448	0.451	-0.7	93	0.00
5 S	2-Fluorophenol	1.210	1.229	-1.6	92	0.00
6	Aniline	1.480	1.531	-3.4	91	0.00
7 S	Phenol-d6	1.656	1.678	-1.3	91	0.00
8	2-Chlorophenol	1.350	1.362	-0.9	92	0.00
9	Benzaldehyde	0.819	0.861	-5.1	97	0.00
10 C	Phenol	1.661	1.674	-0.8	90	0.00
11	bis(2-Chloroethyl)ether	1.339	1.335	0.3	90	0.00
12	1,3-Dichlorobenzene	1.454	1.465	-0.8	93	0.00
13 C	1,4-Dichlorobenzene	1.475	1.494	-1.3	94	0.00
14	1,2-Dichlorobenzene	1.424	1.421	0.2	93	0.00
15	Benzyl Alcohol	1.071	1.115	-4.1	91	0.00
16	2,2'-oxybis(1-Chloropropane	1.447	1.453	-0.4	90	0.00
17	2-Methylphenol	1.075	1.103	-2.6	91	0.00
18	Hexachloroethane	0.533	0.540	-1.3	94	0.00
19 P	n-Nitroso-di-n-propylamine	1.025	1.037	-1.2	90	0.00
20	3+4-Methylphenols	1.491	1.522	-2.1	90	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	91	0.00
22	Acetophenone	0.495	0.515	-4.0	91	0.00
23 S	Nitrobenzene-d5	0.351	0.366	-4.3	91	0.00
24	Nitrobenzene	0.347	0.360	-3.7	90	0.00
25	Isophorone	0.635	0.661	-4.1	90	0.00
26 C	2-Nitrophenol	0.170	0.184	-8.2	92	0.00
27	2,4-Dimethylphenol	0.213	0.222	-4.2	90	0.00
28	bis(2-Chloroethoxy)methane	0.429	0.444	-3.5	90	0.00
29 C	2,4-Dichlorophenol	0.291	0.309	-6.2	91	0.00
30	1,2,4-Trichlorobenzene	0.311	0.324	-4.2	92	0.00
31	Naphthalene	1.054	1.090	-3.4	92	0.00
32	Benzoic acid	0.248	0.254	-2.4	96	-0.04
33	4-Chloroaniline	0.371	0.398	-7.3	92	0.00
34 C	Hexachlorobutadiene	0.183	0.192	-4.9	93	0.00
35	Caprolactam	0.107	0.113	-5.6	92	-0.02
36 C	4-Chloro-3-methylphenol	0.339	0.353	-4.1	90	0.00
37	2-Methylnaphthalene	0.731	0.756	-3.4	92	0.00
38	1-Methylnaphthalene	0.715	0.736	-2.9	92	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	91	0.00
40	1,2,4,5-Tetrachlorobenzene	0.550	0.581	-5.6	92	0.00
41 P	Hexachlorocyclopentadiene	0.195	0.212	-8.7	89	-0.01
42 S	2,4,6-Tribromophenol	0.277	0.296	-6.9	93	-0.02
43 C	2,4,6-Trichlorophenol	0.366	0.396	-8.2	93	0.00
44	2,4,5-Trichlorophenol	0.405	0.434	-7.2	93	0.00
45 S	2-Fluorobiphenyl	1.306	1.383	-5.9	92	0.00
46	1,1'-Biphenyl	1.470	1.529	-4.0	91	-0.01
47	2-Chloronaphthalene	1.099	1.148	-4.5	92	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
 Data File : BP024283.D
 Acq On : 14 Apr 2025 18:35
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ICVBP041425

Quant Time: Apr 15 04:54:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 15 04:48:42 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	0.308	0.327	-6.2	90	-0.01
49	Acenaphthylene	1.730	1.807	-4.5	91	0.00
50	Dimethylphthalate	1.454	1.508	-3.7	92	-0.02
51	2,6-Dinitrotoluene	0.309	0.332	-7.4	93	0.00
52 C	Acenaphthene	1.097	1.120	-2.1	91	-0.01
53	3-Nitroaniline	0.325	0.357	-9.8	92	0.00
54 P	2,4-Dinitrophenol	0.182	0.193	-6.0	95	-0.01
55	Dibenzofuran	1.793	1.823	-1.7	91	-0.02
56 P	4-Nitrophenol	0.280	0.315	-12.5	94	-0.01
57	2,4-Dinitrotoluene	0.421	0.458	-8.8	93	-0.01
58	Fluorene	1.388	1.448	-4.3	95	-0.01
59	2,3,4,6-Tetrachlorophenol	0.373	0.392	-5.1	92	0.00
60	Diethylphthalate	1.499	1.558	-3.9	92	-0.02
61	4-Chlorophenyl-phenylether	0.674	0.704	-4.5	94	-0.02
62	4-Nitroaniline	0.344	0.370	-7.6	92	-0.02
63	Azobenzene	1.378	1.436	-4.2	92	-0.02
64 I	Phenanthrene-d10	1.000	1.000	0.0	92	-0.02
65	4,6-Dinitro-2-methylphenol	0.126	0.135	-7.1	95	-0.02
66 c	n-Nitrosodiphenylamine	0.597	0.619	-3.7	91	-0.01
67	4-Bromophenyl-phenylether	0.219	0.231	-5.5	93	-0.01
68	Hexachlorobenzene	0.260	0.272	-4.6	93	-0.02
69	Atrazine	0.152	0.120	21.1	92	0.00
70 C	Pentachlorophenol	0.181	0.194	-7.2	92	-0.02
71	Phenanthrene	1.091	1.108	-1.6	91	-0.02
72	Anthracene	1.052	1.105	-5.0	92	-0.02
73	Carbazole	1.027	1.088	-5.9	93	-0.02
74	Di-n-butylphthalate	1.280	1.425	-11.3	94	-0.02
75 C	Fluoranthene	1.298	1.355	-4.4	93	-0.02
76 I	Chrysene-d12	1.000	1.000	0.0	95	0.00
77	Benzidine	0.254	0.228	10.2	50#	-0.02
78	Pyrene	1.271	1.272	-0.1	93	-0.01
79 S	Terphenyl-d14	0.992	1.013	-2.1	94	-0.03
80	Butylbenzylphthalate	0.544	0.587	-7.9	94	-0.02
81	Benzo(a)anthracene	1.243	1.281	-3.1	95	0.00
82	3,3'-Dichlorobenzidine	0.436	0.471	-8.0	92	-0.02
83	Chrysene	1.191	1.217	-2.2	96	-0.01
84	Bis(2-ethylhexyl)phthalate	0.798	0.886	-11.0	95	0.00
85 c	Di-n-octyl phthalate	1.297	1.476	-13.8	96	0.00
86 I	Perylene-d12	1.000	1.000	0.0	99	0.00
87	Indeno(1,2,3-cd)pyrene	1.388	1.460	-5.2	101	-0.02
88	Benzo(b)fluoranthene	1.199	1.237	-3.2	98	0.00
89	Benzo(k)fluoranthene	1.158	1.189	-2.7	98	0.00
90 C	Benzo(a)pyrene	1.034	1.082	-4.6	99	0.00
91	Dibenzo(a,h)anthracene	1.152	1.207	-4.8	100	0.00
92	Benzo(g,h,i)perylene	1.173	1.216	-3.7	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
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ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
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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	94	0.00
2	1,4-Dioxane	40.000	40.412	-1.0	95	0.00
3	Pyridine	40.000	39.955	0.1	91	0.00
4	n-Nitrosodimethylamine	40.000	40.205	-0.5	93	0.00
5 S	2-Fluorophenol	80.000	81.302	-1.6	92	0.00
6	Aniline	40.000	41.370	-3.4	91	0.00
7 S	Phenol-d6	80.000	81.063	-1.3	91	0.00
8	2-Chlorophenol	40.000	40.334	-0.8	92	0.00
9	Benzaldehyde	40.000	42.024	-5.1	97	0.00
10 C	Phenol	40.000	40.306	-0.8	90	0.00
11	bis(2-Chloroethyl)ether	40.000	39.902	0.2	90	0.00
12	1,3-Dichlorobenzene	40.000	40.298	-0.7	93	0.00
13 C	1,4-Dichlorobenzene	40.000	40.516	-1.3	94	0.00
14	1,2-Dichlorobenzene	40.000	39.898	0.3	93	0.00
15	Benzyl Alcohol	40.000	41.621	-4.1	91	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	40.173	-0.4	90	0.00
17	2-Methylphenol	40.000	41.046	-2.6	91	0.00
18	Hexachloroethane	40.000	40.522	-1.3	94	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	40.471	-1.2	90	0.00
20	3+4-Methylphenols	40.000	40.810	-2.0	90	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	91	0.00
22	Acetophenone	40.000	41.652	-4.1	91	0.00
23 S	Nitrobenzene-d5	80.000	83.531	-4.4	91	0.00
24	Nitrobenzene	40.000	41.537	-3.8	90	0.00
25	Isophorone	40.000	41.648	-4.1	90	0.00
26 C	2-Nitrophenol	40.000	43.376	-8.4	92	0.00
27	2,4-Dimethylphenol	40.000	41.689	-4.2	90	0.00
28	bis(2-Chloroethoxy)methane	40.000	41.402	-3.5	90	0.00
29 C	2,4-Dichlorophenol	40.000	42.461	-6.2	91	0.00
30	1,2,4-Trichlorobenzene	40.000	41.612	-4.0	92	0.00
31	Naphthalene	40.000	41.386	-3.5	92	0.00
32	Benzoic acid	40.000	40.959	-2.4	96	-0.04
33	4-Chloroaniline	40.000	42.937	-7.3	92	0.00
34 C	Hexachlorobutadiene	40.000	42.007	-5.0	93	0.00
35	Caprolactam	40.000	42.152	-5.4	92	-0.02
36 C	4-Chloro-3-methylphenol	40.000	41.737	-4.3	90	0.00
37	2-Methylnaphthalene	40.000	41.403	-3.5	92	0.00
38	1-Methylnaphthalene	40.000	41.210	-3.0	92	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	91	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	42.275	-5.7	92	0.00
41 P	Hexachlorocyclopentadiene	40.000	43.639	-9.1	89	-0.01
42 S	2,4,6-Tribromophenol	80.000	85.488	-6.9	93	-0.02
43 C	2,4,6-Trichlorophenol	40.000	43.329	-8.3	93	0.00
44	2,4,5-Trichlorophenol	40.000	42.828	-7.1	93	0.00
45 S	2-Fluorobiphenyl	80.000	84.715	-5.9	92	0.00
46	1,1'-Biphenyl	40.000	41.595	-4.0	91	-0.01
47	2-Chloronaphthalene	40.000	41.786	-4.5	92	0.00

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 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	42.475	-6.2	90	-0.01
49	Acenaphthylene	40.000	41.783	-4.5	91	0.00
50	Dimethylphthalate	40.000	41.478	-3.7	92	-0.02
51	2,6-Dinitrotoluene	40.000	42.990	-7.5	93	0.00
52 C	Acenaphthene	40.000	40.853	-2.1	91	-0.01
53	3-Nitroaniline	40.000	43.931	-9.8	92	0.00
54 P	2,4-Dinitrophenol	40.000	42.485	-6.2	95	-0.01
55	Dibenzofuran	40.000	40.679	-1.7	91	-0.02
56 P	4-Nitrophenol	40.000	44.968	-12.4	94	-0.01
57	2,4-Dinitrotoluene	40.000	43.527	-8.8	93	-0.01
58	Fluorene	40.000	41.750	-4.4	95	-0.01
59	2,3,4,6-Tetrachlorophenol	40.000	41.995	-5.0	92	0.00
60	Diethylphthalate	40.000	41.570	-3.9	92	-0.02
61	4-Chlorophenyl-phenylether	40.000	41.777	-4.4	94	-0.02
62	4-Nitroaniline	40.000	43.114	-7.8	92	-0.02
63	Azobenzene	40.000	41.686	-4.2	92	-0.02
64 I	Phenanthrene-d10	20.000	20.000	0.0	92	-0.02
65	4,6-Dinitro-2-methylphenol	40.000	42.724	-6.8	95	-0.02
66 c	n-Nitrosodiphenylamine	40.000	41.500	-3.8	91	-0.01
67	4-Bromophenyl-phenylether	40.000	42.314	-5.8	93	-0.01
68	Hexachlorobenzene	40.000	41.909	-4.8	93	-0.02
69	Atrazine	40.000	31.567	21.1	92	0.00
70 C	Pentachlorophenol	40.000	42.900	-7.2	92	-0.02
71	Phenanthrene	40.000	40.615	-1.5	91	-0.02
72	Anthracene	40.000	42.051	-5.1	92	-0.02
73	Carbazole	40.000	42.351	-5.9	93	-0.02
74	Di-n-butylphthalate	40.000	44.539	-11.3	94	-0.02
75 C	Fluoranthene	40.000	41.771	-4.4	93	-0.02
76 I	Chrysene-d12	20.000	20.000	0.0	95	0.00
77	Benzydine	40.000	36.041	9.9	50	-0.02
78	Pyrene	40.000	40.022	-0.1	93	-0.01
79 S	Terphenyl-d14	80.000	81.649	-2.1	94	-0.03
80	Butylbenzylphthalate	40.000	43.107	-7.8	94	-0.02
81	Benzo(a)anthracene	40.000	41.207	-3.0	95	0.00
82	3,3'-Dichlorobenzidine	40.000	43.139	-7.8	92	-0.02
83	Chrysene	40.000	40.888	-2.2	96	-0.01
84	Bis(2-ethylhexyl)phthalate	40.000	44.400	-11.0	95	0.00
85 c	Di-n-octyl phthalate	40.000	45.513	-13.8	96	0.00
86 I	Perylene-d12	20.000	20.000	0.0	99	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	42.071	-5.2	101	-0.02
88	Benzo(b)fluoranthene	40.000	41.288	-3.2	98	0.00
89	Benzo(k)fluoranthene	40.000	41.081	-2.7	98	0.00
90 C	Benzo(a)pyrene	40.000	41.855	-4.6	99	0.00
91	Dibenzo(a,h)anthracene	40.000	41.902	-4.8	100	0.00
92	Benzo(g,h,i)perylene	40.000	41.455	-3.6	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024283.D
Acq On : 14 Apr 2025 18:35
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
ICVBP041425

Quant Time: Apr 15 04:54:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 15 04:48:42 2025
Response via : Initial Calibration

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

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

(#) = Out of Range

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



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG No.: Q1914

Instrument ID: BNA_F Calibration Date/Time: 05/01/2025 10:17

Lab File ID: BF142250.D Init. Calib. Date(s): 04/30/2025 04/30/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:24 14:43

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.252	1.250		-0.2	
Phenol-d6	1.512	1.575		4.2	
Nitrobenzene-d5	0.304	0.333		9.5	
Naphthalene	0.997	1.030		3.3	
2-Fluorobiphenyl	1.418	1.409		-0.6	
Acenaphthylene	1.952	1.996		2.3	
Acenaphthene	1.140	1.185		3.9	20.0
Fluorene	1.299	1.322		1.8	
2,4,6-Tribromophenol	0.182	0.196		7.7	
Phenanthrene	1.080	1.116		3.3	
Anthracene	1.105	1.142		3.3	
Fluoranthene	1.068	1.147		7.4	20.0
Pyrene	1.845	1.938		5.0	
Terphenyl-d14	1.375	1.422		3.4	
Benzo (a) anthracene	1.343	1.378		2.6	
Chrysene	1.222	1.297		6.1	
Benzo (k) fluoranthene	1.136	1.240		9.2	
Benzo (a) pyrene	1.137	1.193		4.9	20.0
Indeno (1,2,3-cd) pyrene	1.465	1.533		4.6	
Dibenzo (a,h) anthracene	1.189	1.258		5.8	
Benzo (g,h,i) perylene	1.195	1.250		4.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
 Data File : BF142250.D
 Acq On : 01 May 2025 10:17
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025

Supervised By :Jagrut

Upadhyay

05/02/2025

05/02/2025

Supervised By :Jagrut

Upadhyay

05/02/2025

Quant Time: May 01 11:46:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	186578	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	719586	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	381198	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	647816	20.000	ng	0.00
76) Chrysene-d12	14.074	240	384442	20.000	ng	0.00
86) Perylene-d12	15.562	264	349272	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	932561	79.825	ng	0.00
7) Phenol-d6	6.522	99	1175099	83.296	ng	0.00
23) Nitrobenzene-d5	7.475	82	958053	87.469	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	298805	85.983	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2147916	79.446	ng	0.00
79) Terphenyl-d14	13.021	244	2186580	82.722	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.699	88	216157	41.429	ng	98
3) Pyridine	3.463	79	571670	42.158	ng	98
4) n-Nitrosodimethylamine	3.410	42	297662	42.418	ng	97
6) Aniline	6.569	93	830257	41.579	ng	100
8) 2-Chlorophenol	6.687	128	475745	39.409	ng	98
9) Benzaldehyde	6.457	77	418699	42.464	ng	100
10) Phenol	6.540	94	617909m	40.684	ng	
11) bis(2-Chloroethyl)ether	6.640	93	494668	42.030	ng	99
12) 1,3-Dichlorobenzene	6.851	146	566821	41.505	ng	99
13) 1,4-Dichlorobenzene	6.928	146	569459	41.388	ng	100
14) 1,2-Dichlorobenzene	7.081	146	550181	41.885	ng	99
15) Benzyl Alcohol	7.045	79	411183	41.095	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	889834	41.870	ng	99
17) 2-Methylphenol	7.151	107	411493	41.610	ng	99
18) Hexachloroethane	7.422	117	188542	41.867	ng	94
19) n-Nitroso-di-n-propyla...	7.322	70	356048	40.842	ng	99
20) 3+4-Methylphenols	7.304	107	523765	42.351	ng	97
22) Acetophenone	7.316	105	690233	41.462	ng	98
24) Nitrobenzene	7.492	77	461069	42.902	ng	96
25) Isophorone	7.728	82	966817	42.059	ng	100
26) 2-Nitrophenol	7.804	139	140561	34.044	ng	99
27) 2,4-Dimethylphenol	7.834	122	485594	41.898	ng	100
28) bis(2-Chloroethoxy)met...	7.939	93	606286	41.820	ng	100
29) 2,4-Dichlorophenol	8.039	162	409683	42.280	ng	99
30) 1,2,4-Trichlorobenzene	8.134	180	453172	41.910	ng	99
31) Naphthalene	8.216	128	1482230	41.304	ng	100
32) Benzoic acid	7.928	122	168727m	34.514	ng	
33) 4-Chloroaniline	8.257	127	622889	41.683	ng	100
34) Hexachlorobutadiene	8.334	225	267370	42.382	ng	100
35) Caprolactam	8.622	113	129344	44.410	ng	98
36) 4-Chloro-3-methylphenol	8.728	107	431195	43.337	ng	99
37) 2-Methylnaphthalene	8.904	142	913767	41.414	ng	99
38) 1-Methylnaphthalene	9.004	142	950787	41.597	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	435999	40.641	ng	100
41) Hexachlorocyclopentadiene	9.057	237	241144	39.605	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	269577	40.551	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
 Data File : BF142250.D
 Acq On : 01 May 2025 10:17
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025

Supervised By :Jagrut
Upadhyay
05/02/2025

Quant Time: May 01 11:46:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	294308	42.108	ng	99
46) 1,1'-Biphenyl	9.369	154	1212716	40.922	ng	99
47) 2-Chloronaphthalene	9.392	162	896541	40.663	ng	99
48) 2-Nitroaniline	9.480	65	211351	37.508	ng	97
49) Acenaphthylene	9.810	152	1521943	40.906	ng	100
50) Dimethylphthalate	9.669	163	1026519	42.093	ng	100
51) 2,6-Dinitrotoluene	9.728	165	176156	38.527	ng	98
52) Acenaphthene	9.980	154	903201	41.576	ng	100
53) 3-Nitroaniline	9.892	138	225294	40.152	ng	100
54) 2,4-Dinitrophenol	9.992	184	42525	37.926	ng	# 1
55) Dibenzofuran	10.151	168	1350916	41.484	ng	99
56) 4-Nitrophenol	10.039	139	159868	41.706	ng	98
57) 2,4-Dinitrotoluene	10.128	165	220248	39.850	ng	99
58) Fluorene	10.498	166	1007989	40.709	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	245919	42.475	ng	99
60) Diethylphthalate	10.369	149	1030685	42.799	ng	99
61) 4-Chlorophenyl-phenyle...	10.486	204	486030	41.333	ng	99
62) 4-Nitroaniline	10.504	138	215440	42.018	ng	98
63) Azobenzene	10.645	77	996298	41.895	ng	98
65) 4,6-Dinitro-2-methylph...	10.533	198	69294	35.905	ng	99
66) n-Nitrosodiphenylamine	10.604	169	914630	41.322	ng	100
67) 4-Bromophenyl-phenylether	10.980	248	304870	42.258	ng	99
68) Hexachlorobenzene	11.039	284	332960	41.207	ng	94
69) Atrazine	11.127	200	264074	45.262	ng	100
70) Pentachlorophenol	11.233	266	177109	41.491	ng	99
71) Phenanthrene	11.457	178	1446110	41.326	ng	100
72) Anthracene	11.510	178	1479001	41.339	ng	100
73) Carbazole	11.663	167	1352106	41.429	ng	100
74) Di-n-butylphthalate	11.998	149	1472584	44.864	ng	100
75) Fluoranthene	12.645	202	1485579	42.947	ng	100
77) Benzidine	12.769	184	754042	46.160	ng	99
78) Pyrene	12.874	202	1490017	42.016	ng	100
80) Butylbenzylphthalate	13.498	149	385725	40.417	ng	98
81) Benzo(a)anthracene	14.063	228	1059415	41.049	ng	99
82) 3,3'-Dichlorobenzidine	14.027	252	323049	42.615	ng	100
83) Chrysene	14.104	228	997135	42.445	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	477774	36.467	ng	100
85) Di-n-octyl phthalate	14.674	149	782817	33.845	ng	100
87) Indeno(1,2,3-cd)pyrene	17.074	276	1071010	41.864	ng	100
88) Benzo(b)fluoranthene	15.127	252	867766	39.998	ng	99
89) Benzo(k)fluoranthene	15.157	252	866064	43.643	ng	99
90) Benzo(a)pyrene	15.504	252	833612	41.969	ng	99
91) Dibenzo(a,h)anthracene	17.098	278	878980	42.333	ng	99
92) Benzo(g,h,i)perylene	17.533	276	873517	41.848	ng	100

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

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\  
Data File : BF142250.D  
Acq On    : 01 May 2025  10:17  
Operator  : RC/JU  
Sample    : SSTDCCC040  
Misc      :  
ALS Vial  : 2    Sample Multiplier: 1
```

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations

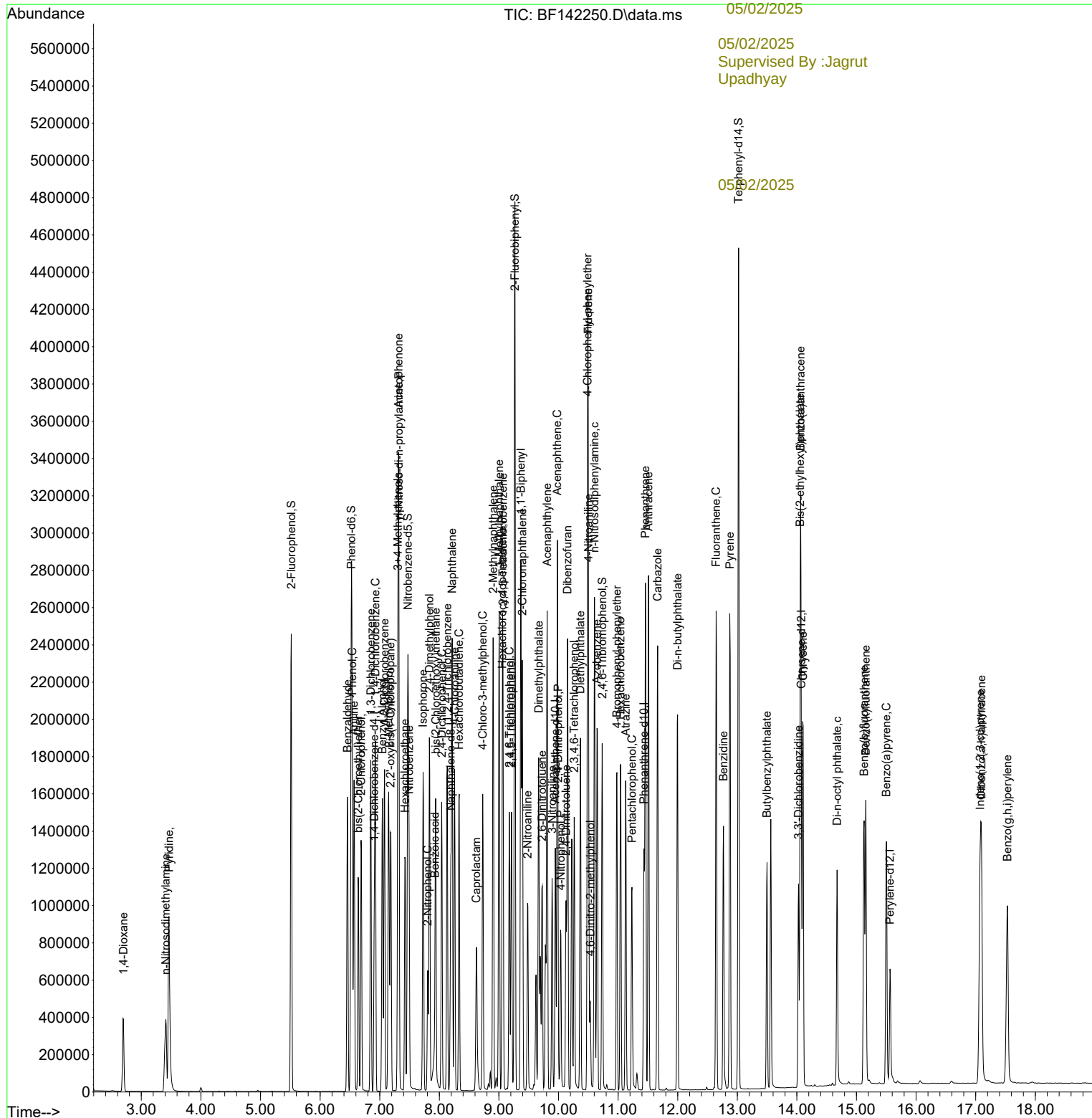
Reviewed By :Rahul Chavli 05/02/2025
Supervised By :Jagrut Upadhyay 05/02/2025

Supervised By :Jagrut
Upadhyay
05/02/2025

05/02/2025
Supervised By :Jagrut
Upadhyay

0510 Terphenyl-d14,S

05/02/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
 Data File : BF142250.D
 Acq On : 01 May 2025 10:17
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: May 01 11:46:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
2	1,4-Dioxane	0.559	0.579	-3.6	101	0.00
3	Pyridine	1.454	1.532	-5.4	104	0.00
4	n-Nitrosodimethylamine	0.752	0.798	-6.1	103	0.00
5 S	2-Fluorophenol	1.252	1.250	0.2	99	0.00
6	Aniline	2.140	2.225	-4.0	103	0.00
7 S	Phenol-d6	1.512	1.575	-4.2	102	0.00
8	2-Chlorophenol	1.294	1.275	1.5	96	0.00
9	Benzaldehyde	1.057	1.122	-6.1	104	0.00
10 C	Phenol	1.628	1.656	-1.7	100	0.00
11	bis(2-Chloroethyl)ether	1.262	1.326	-5.1	104	0.00
12	1,3-Dichlorobenzene	1.464	1.519	-3.8	103	0.00
13 C	1,4-Dichlorobenzene	1.475	1.526	-3.5	102	0.00
14	1,2-Dichlorobenzene	1.408	1.474	-4.7	104	0.00
15	Benzyl Alcohol	1.073	1.102	-2.7	99	0.00
16	2,2'-oxybis(1-Chloropropane	2.278	2.385	-4.7	104	0.00
17	2-Methylphenol	1.060	1.103	-4.1	102	0.00
18	Hexachloroethane	0.483	0.505	-4.6	103	0.00
19 P	n-Nitroso-di-n-propylamine	0.934	0.954	-2.1	102	0.00
20	3+4-Methylphenols	1.326	1.404	-5.9	104	0.00
21 I	Naphthalene-d8	1.000	1.000	0.0	102	0.00
22	Acetophenone	0.463	0.480	-3.7	104	0.00
23 S	Nitrobenzene-d5	0.304	0.333	-9.5	100	0.00
24	Nitrobenzene	0.299	0.320	-7.0	100	0.00
25	Isophorone	0.639	0.672	-5.2	104	0.00
26 C	2-Nitrophenol	0.102	0.098	3.9	86	0.00
27	2,4-Dimethylphenol	0.322	0.337	-4.7	102	0.00
28	bis(2-Chloroethoxy)methane	0.403	0.421	-4.5	103	0.00
29 C	2,4-Dichlorophenol	0.269	0.285	-5.9	100	0.00
30	1,2,4-Trichlorobenzene	0.301	0.315	-4.7	103	0.00
31	Naphthalene	0.997	1.030	-3.3	103	0.00
32	Benzoic acid	0.125	0.117	6.4	92	0.00
33	4-Chloroaniline	0.415	0.433	-4.3	103	0.00
34 C	Hexachlorobutadiene	0.175	0.186	-6.3	103	0.00
35	Caprolactam	0.081	0.090	-11.1	106	0.00
36 C	4-Chloro-3-methylphenol	0.277	0.300	-8.3	103	0.00
37	2-Methylnaphthalene	0.613	0.635	-3.6	104	0.00
38	1-Methylnaphthalene	0.635	0.661	-4.1	103	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	103	0.00
40	1,2,4,5-Tetrachlorobenzene	0.563	0.572	-1.6	102	0.00
41 P	Hexachlorocyclopentadiene	0.319	0.316	0.9	92	0.00
42 S	2,4,6-Tribromophenol	0.182	0.196	-7.7	99	0.00
43 C	2,4,6-Trichlorophenol	0.349	0.354	-1.4	98	0.00
44	2,4,5-Trichlorophenol	0.367	0.386	-5.2	98	0.00
45 S	2-Fluorobiphenyl	1.418	1.409	0.6	103	0.00
46	1,1'-Biphenyl	1.555	1.591	-2.3	103	0.00
47	2-Chloronaphthalene	1.157	1.176	-1.6	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
 Data File : BF142250.D
 Acq On : 01 May 2025 10:17
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: May 01 11:46:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 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	0.249	0.277	-11.2	97	0.00
49	Acenaphthylene	1.952	1.996	-2.3	103	0.00
50	Dimethylphthalate	1.280	1.346	-5.2	105	0.00
51	2,6-Dinitrotoluene	0.204	0.231	-13.2	98	0.00
52 C	Acenaphthene	1.140	1.185	-3.9	104	0.00
53	3-Nitroaniline	0.257	0.296	-15.2	102	0.00
54 P	2,4-Dinitrophenol	0.058	0.056	3.4	101	0.00
55	Dibenzofuran	1.709	1.772	-3.7	104	0.00
56 P	4-Nitrophenol	0.201	0.210	-4.5	100	0.00
57	2,4-Dinitrotoluene	0.239	0.289	-20.9	104	0.00
58	Fluorene	1.299	1.322	-1.8	103	0.00
59	2,3,4,6-Tetrachlorophenol	0.304	0.323	-6.3	99	0.00
60	Diethylphthalate	1.263	1.352	-7.0	106	0.00
61	4-Chlorophenyl-phenylether	0.617	0.638	-3.4	104	0.00
62	4-Nitroaniline	0.238	0.283	-18.9	107	0.00
63	Azobenzene	1.248	1.307	-4.7	105	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	105	0.00
65	4,6-Dinitro-2-methylphenol	0.054	0.053	1.9	102	0.00
66 c	n-Nitrosodiphenylamine	0.683	0.706	-3.4	104	0.00
67	4-Bromophenyl-phenylether	0.223	0.235	-5.4	105	0.00
68	Hexachlorobenzene	0.249	0.257	-3.2	104	0.00
69	Atrazine	0.180	0.204	-13.3	112	0.00
70 C	Pentachlorophenol	0.132	0.137	-3.8	100	0.00
71	Phenanthrene	1.080	1.116	-3.3	105	0.00
72	Anthracene	1.105	1.142	-3.3	106	0.00
73	Carbazole	1.008	1.044	-3.6	106	0.00
74	Di-n-butylphthalate	1.013	1.137	-12.2	112	0.00
75 C	Fluoranthene	1.068	1.147	-7.4	111	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	116	0.00
77	Benzidine	0.850	0.981	-15.4	118	0.00
78	Pyrene	1.845	1.938	-5.0	111	0.00
79 S	Terphenyl-d14	1.375	1.422	-3.4	111	0.00
80	Butylbenzylphthalate	0.425	0.502	-18.1	115	0.00
81	Benzo(a)anthracene	1.343	1.378	-2.6	111	0.00
82	3,3'-Dichlorobenzidine	0.394	0.420	-6.6	110	0.00
83	Chrysene	1.222	1.297	-6.1	122	0.00
84	Bis(2-ethylhexyl)phthalate	0.604	0.621	-2.8	104	0.00
85 c	Di-n-octyl phthalate	1.133	1.018	10.2	94	0.00
86 I	Perylene-d12	1.000	1.000	0.0	106	0.00
87	Indeno(1,2,3-cd)pyrene	1.465	1.533	-4.6	101	0.00
88	Benzo(b)fluoranthene	1.242	1.242	0.0	101	0.00
89	Benzo(k)fluoranthene	1.136	1.240	-9.2	115	0.00
90 C	Benzo(a)pyrene	1.137	1.193	-4.9	105	0.00
91	Dibenzo(a,h)anthracene	1.189	1.258	-5.8	102	0.00
92	Benzo(g,h,i)perylene	1.195	1.250	-4.6	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
 Data File : BF142250.D
 Acq On : 01 May 2025 10:17
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: May 01 11:46:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	104	0.00
2	1,4-Dioxane	40.000	41.429	-3.6	101	0.00
3	Pyridine	40.000	42.158	-5.4	104	0.00
4	n-Nitrosodimethylamine	40.000	42.418	-6.0	103	0.00
5 S	2-Fluorophenol	80.000	79.825	0.2	99	0.00
6	Aniline	40.000	41.579	-3.9	103	0.00
7 S	Phenol-d6	80.000	83.296	-4.1	102	0.00
8	2-Chlorophenol	40.000	39.409	1.5	96	0.00
9	Benzaldehyde	40.000	42.464	-6.2	104	0.00
10 C	Phenol	40.000	40.684	-1.7	100	0.00
11	bis(2-Chloroethyl)ether	40.000	42.030	-5.1	104	0.00
12	1,3-Dichlorobenzene	40.000	41.505	-3.8	103	0.00
13 C	1,4-Dichlorobenzene	40.000	41.388	-3.5	102	0.00
14	1,2-Dichlorobenzene	40.000	41.885	-4.7	104	0.00
15	Benzyl Alcohol	40.000	41.095	-2.7	99	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	41.870	-4.7	104	0.00
17	2-Methylphenol	40.000	41.610	-4.0	102	0.00
18	Hexachloroethane	40.000	41.867	-4.7	103	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	40.842	-2.1	102	0.00
20	3+4-Methylphenols	40.000	42.351	-5.9	104	0.00
21 I	Naphthalene-d8	20.000	20.000	0.0	102	0.00
22	Acetophenone	40.000	41.462	-3.7	104	0.00
23 S	Nitrobenzene-d5	80.000	87.469	-9.3	100	0.00
24	Nitrobenzene	40.000	42.902	-7.3	100	0.00
25	Isophorone	40.000	42.059	-5.1	104	0.00
26 C	2-Nitrophenol	40.000	34.044	14.9	86	0.00
27	2,4-Dimethylphenol	40.000	41.898	-4.7	102	0.00
28	bis(2-Chloroethoxy)methane	40.000	41.820	-4.6	103	0.00
29 C	2,4-Dichlorophenol	40.000	42.280	-5.7	100	0.00
30	1,2,4-Trichlorobenzene	40.000	41.910	-4.8	103	0.00
31	Naphthalene	40.000	41.304	-3.3	103	0.00
32	Benzoic acid	40.000	34.514	13.7	92	0.00
33	4-Chloroaniline	40.000	41.683	-4.2	103	0.00
34 C	Hexachlorobutadiene	40.000	42.382	-6.0	103	0.00
35	Caprolactam	40.000	44.410	-11.0	106	0.00
36 C	4-Chloro-3-methylphenol	40.000	43.337	-8.3	103	0.00
37	2-Methylnaphthalene	40.000	41.414	-3.5	104	0.00
38	1-Methylnaphthalene	40.000	41.597	-4.0	103	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	103	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	40.641	-1.6	102	0.00
41 P	Hexachlorocyclopentadiene	40.000	39.605	1.0	92	0.00
42 S	2,4,6-Tribromophenol	80.000	85.983	-7.5	99	0.00
43 C	2,4,6-Trichlorophenol	40.000	40.551	-1.4	98	0.00
44	2,4,5-Trichlorophenol	40.000	42.108	-5.3	98	0.00
45 S	2-Fluorobiphenyl	80.000	79.446	0.7	103	0.00
46	1,1'-Biphenyl	40.000	40.922	-2.3	103	0.00
47	2-Chloronaphthalene	40.000	40.663	-1.7	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
 Data File : BF142250.D
 Acq On : 01 May 2025 10:17
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 LabSampleId :
 SSTDCCC040

Quant Time: May 01 11:46:27 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	37.508	6.2	97	0.00
49	Acenaphthylene	40.000	40.906	-2.3	103	0.00
50	Dimethylphthalate	40.000	42.093	-5.2	105	0.00
51	2,6-Dinitrotoluene	40.000	38.527	3.7	98	0.00
52 C	Acenaphthene	40.000	41.576	-3.9	104	0.00
53	3-Nitroaniline	40.000	40.152	-0.4	102	0.00
54 P	2,4-Dinitrophenol	40.000	37.926	5.2	101	0.00
55	Dibenzofuran	40.000	41.484	-3.7	104	0.00
56 P	4-Nitrophenol	40.000	41.706	-4.3	100	0.00
57	2,4-Dinitrotoluene	40.000	39.850	0.4	104	0.00
58	Fluorene	40.000	40.709	-1.8	103	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.475	-6.2	99	0.00
60	Diethylphthalate	40.000	42.799	-7.0	106	0.00
61	4-Chlorophenyl-phenylether	40.000	41.333	-3.3	104	0.00
62	4-Nitroaniline	40.000	42.018	-5.0	107	0.00
63	Azobenzene	40.000	41.895	-4.7	105	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	105	0.00
65	4,6-Dinitro-2-methylphenol	40.000	35.905	10.2	102	0.00
66 c	n-Nitrosodiphenylamine	40.000	41.322	-3.3	104	0.00
67	4-Bromophenyl-phenylether	40.000	42.258	-5.6	105	0.00
68	Hexachlorobenzene	40.000	41.207	-3.0	104	0.00
69	Atrazine	40.000	45.262	-13.2	112	0.00
70 C	Pentachlorophenol	40.000	41.491	-3.7	100	0.00
71	Phenanthrene	40.000	41.326	-3.3	105	0.00
72	Anthracene	40.000	41.339	-3.3	106	0.00
73	Carbazole	40.000	41.429	-3.6	106	0.00
74	Di-n-butylphthalate	40.000	44.864	-12.2	112	0.00
75 C	Fluoranthene	40.000	42.947	-7.4	111	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	116	0.00
77	Benzydine	40.000	46.160	-15.4	118	0.00
78	Pyrene	40.000	42.016	-5.0	111	0.00
79 S	Terphenyl-d14	80.000	82.722	-3.4	111	0.00
80	Butylbenzylphthalate	40.000	40.417	-1.0	115	0.00
81	Benzo(a)anthracene	40.000	41.049	-2.6	111	0.00
82	3,3'-Dichlorobenzidine	40.000	42.615	-6.5	110	0.00
83	Chrysene	40.000	42.445	-6.1	122	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	36.467	8.8	104	0.00
85 c	Di-n-octyl phthalate	40.000	33.845	15.4	94	0.00
86 I	Perylene-d12	20.000	20.000	0.0	106	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	41.864	-4.7	101	0.00
88	Benzo(b)fluoranthene	40.000	39.998	0.0	101	0.00
89	Benzo(k)fluoranthene	40.000	43.643	-9.1	115	0.00
90 C	Benzo(a)pyrene	40.000	41.969	-4.9	105	0.00
91	Dibenzo(a,h)anthracene	40.000	42.333	-5.8	102	0.00
92	Benzo(g,h,i)perylene	40.000	41.848	-4.6	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142250.D
Acq On : 01 May 2025 10:17
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 01 11:46:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

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

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

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



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CAMP02

Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG No.: Q1914

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	
Phenol-d6	1.436	1.600		11.4	
Nitrobenzene-d5	0.406	0.470		15.8	
Naphthalene	1.013	1.086		7.2	
2-Fluorobiphenyl	1.691	1.996		18.0	
Acenaphthylene	1.857	2.021		8.8	
Acenaphthene	1.075	1.173		9.1	20.0
Fluorene	1.463	1.622		10.9	
2,4,6-Tribromophenol	0.296	0.313		5.7	
Phenanthrene	1.128	1.244		10.3	
Anthracene	1.142	1.274		11.6	
Fluoranthene	1.324	1.440		8.8	20.0
Pyrene	1.404	1.537		9.5	
Terphenyl-d14	1.352	1.606		18.8	
Benzo (a) anthracene	1.377	1.520		10.4	
Chrysene	1.275	1.371		7.5	
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	

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

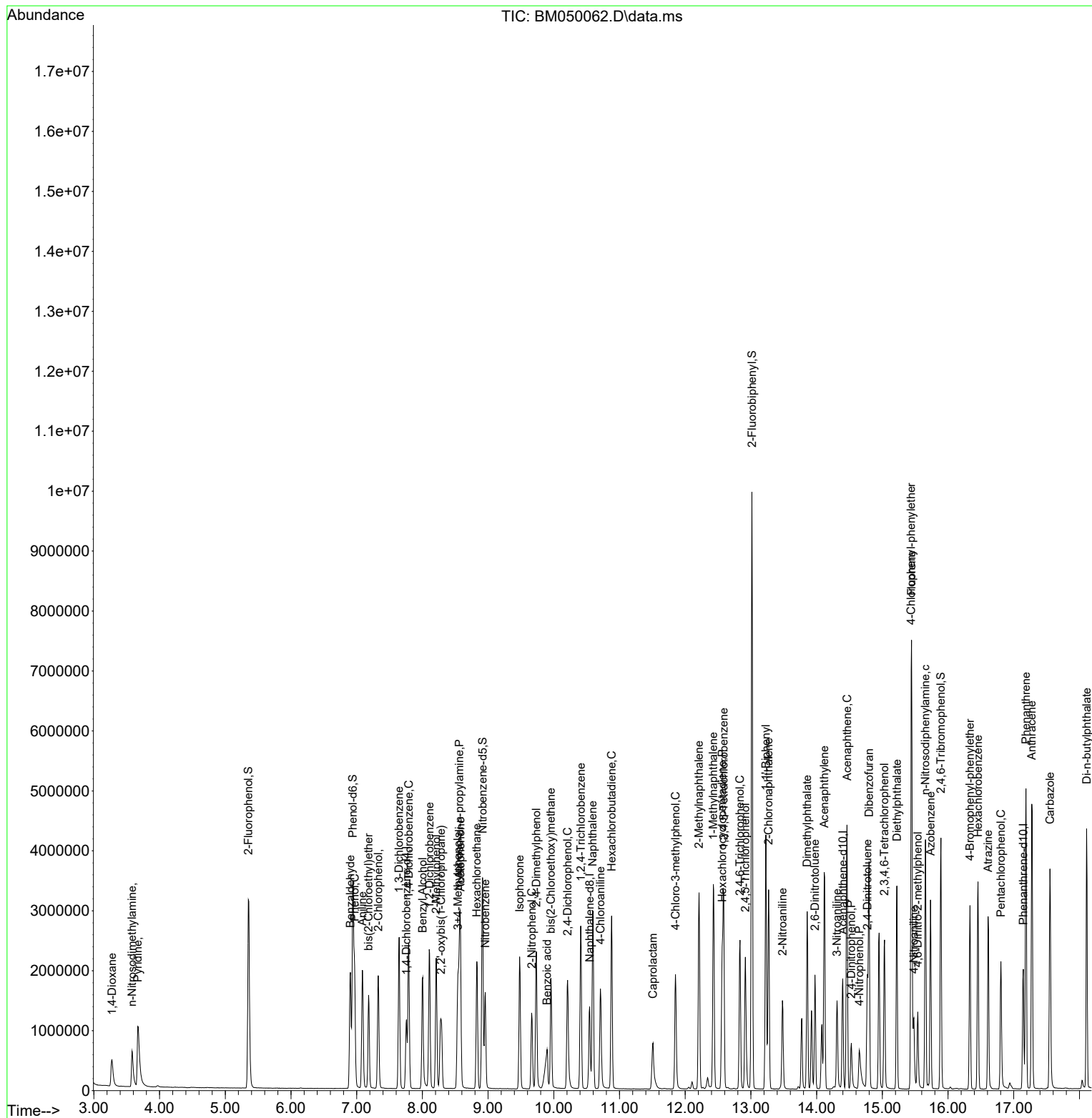
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	671975	44.577	ng	98
46) 1,1'-Biphenyl	13.227	154	2131816	45.044	ng	99
47) 2-Chloronaphthalene	13.269	162	1684006	44.927	ng	99
48) 2-Nitroaniline	13.480	65	410017	46.607	ng	94
49) Acenaphthylene	14.116	152	2573916	43.552	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

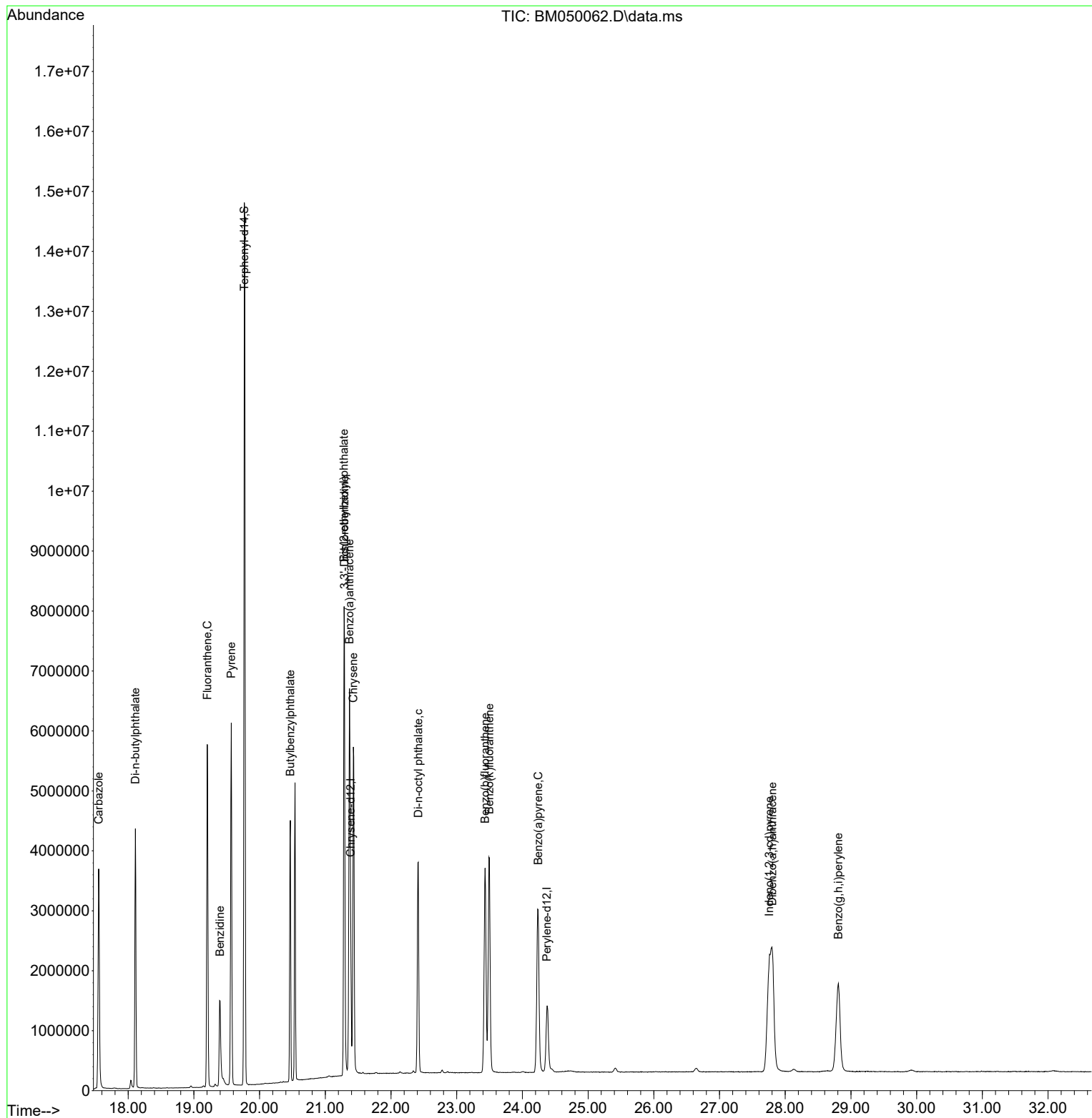
Quant Time: May 01 14:34:39 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
Data File : BM050062.D
Acq On : 01 May 2025 13:25
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Instrument :
BNA_M
ClientSampleId :
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Quant Time: May 01 14:34:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
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Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050125\
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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)

(#) = 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 :
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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)

(#) = 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: CAMP02

Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG No.: Q1914

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	
Phenol-d6	1.436	1.413		-1.6	
Nitrobenzene-d5	0.406	0.398		-2.0	
Naphthalene	1.013	0.950		-6.2	
2-Fluorobiphenyl	1.691	1.629		-3.7	
Acenaphthylene	1.857	1.757		-5.4	
Acenaphthene	1.075	1.008		-6.2	20.0
Fluorene	1.463	1.392		-4.9	
2,4,6-Tribromophenol	0.296	0.278		-6.1	
Phenanthrene	1.128	1.055		-6.5	
Anthracene	1.142	1.078		-5.6	
Fluoranthene	1.324	1.253		-5.4	20.0
Pyrene	1.404	1.339		-4.6	
Terphenyl-d14	1.352	1.346		-0.4	
Benzo (a) anthracene	1.377	1.316		-4.4	
Chrysene	1.275	1.197		-6.1	
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	

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

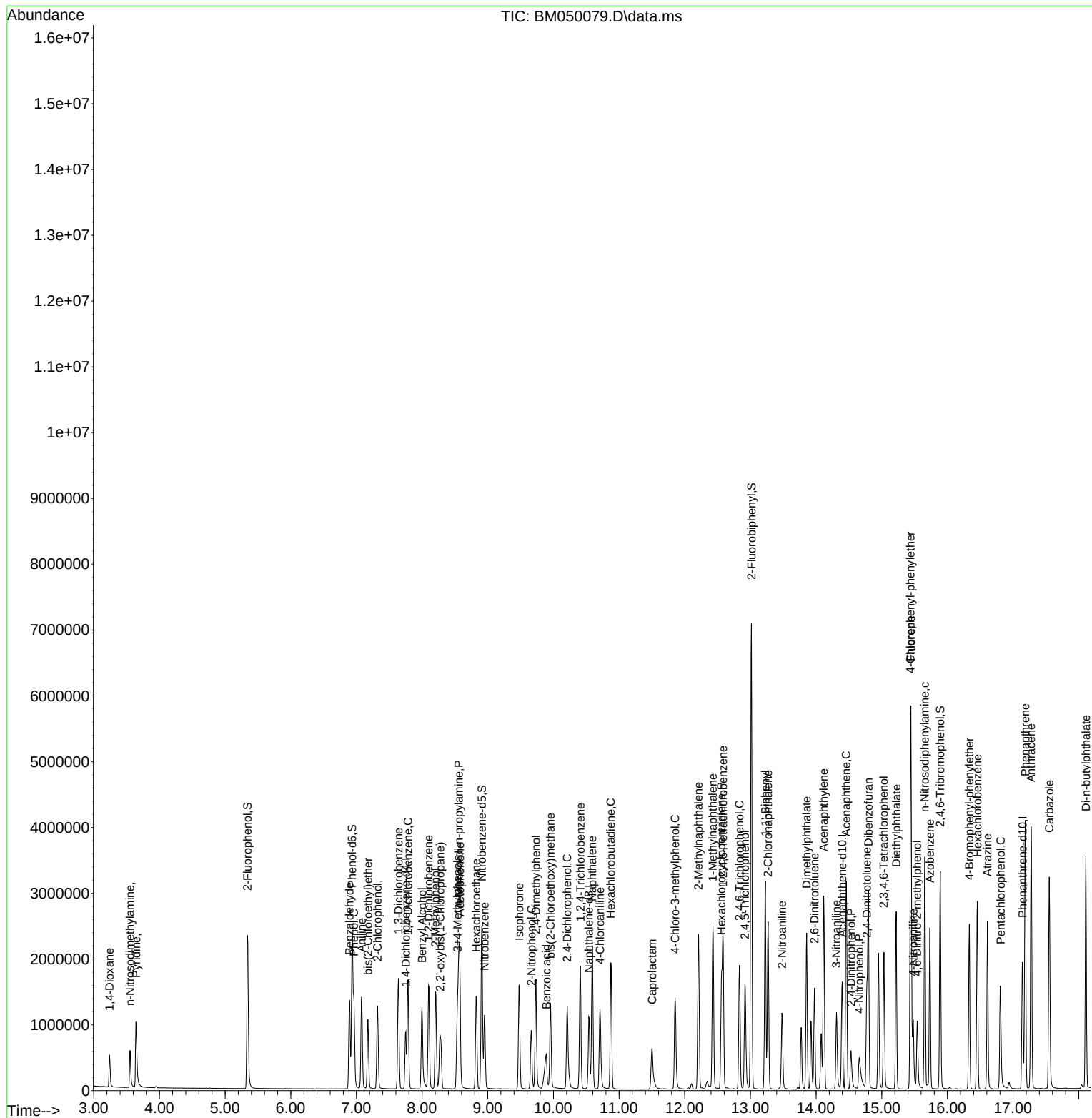
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.916	196	539492	38.833	ng	98
46) 1,1'-Biphenyl	13.227	154	1651332	37.860	ng	99
47) 2-Chloronaphthalene	13.269	162	1311916	37.978	ng	100
48) 2-Nitroaniline	13.480	65	324891	40.073	ng	98
49) Acenaphthylene	14.116	152	2061412	37.848	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

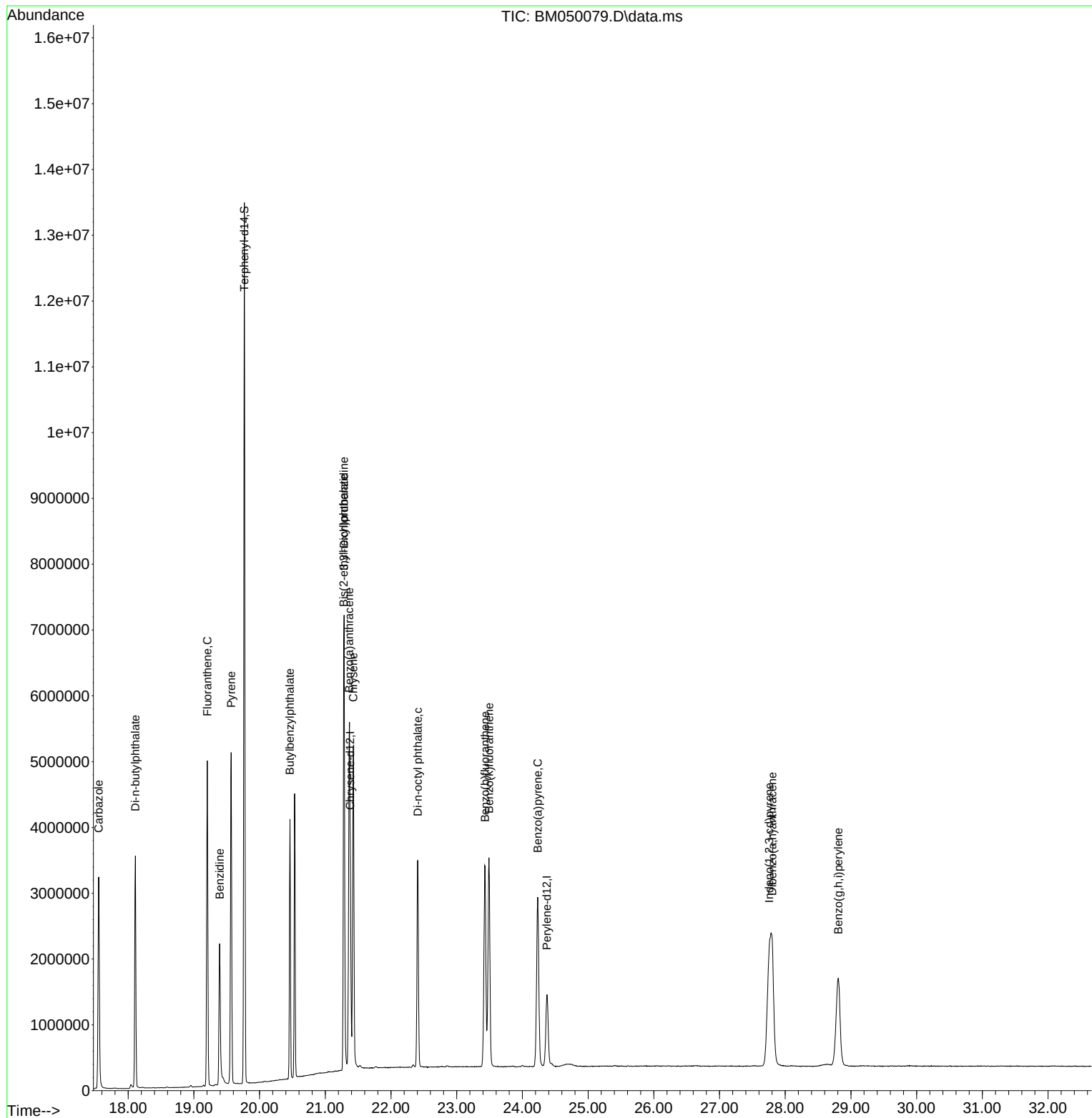
Quant Time: May 02 11:45:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



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
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
 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)
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)

(#) = 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
 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)
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)

(#) = 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: CAMP02

Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG No.: Q1914

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	
Phenol-d6	1.436	1.417		-1.3	
Nitrobenzene-d5	0.406	0.383		-5.7	
Naphthalene	1.013	0.951		-6.1	
2-Fluorobiphenyl	1.691	1.567		-7.3	
Acenaphthylene	1.857	1.741		-6.2	
Acenaphthene	1.075	0.996		-7.3	20.0
Fluorene	1.463	1.372		-6.2	
2,4,6-Tribromophenol	0.296	0.291		-1.7	
Phenanthrene	1.128	1.050		-6.9	
Anthracene	1.142	1.073		-6.0	
Fluoranthene	1.324	1.269		-4.2	20.0
Pyrene	1.404	1.384		-1.4	
Terphenyl-d14	1.352	1.328		-1.8	
Benzo (a) anthracene	1.377	1.294		-6.0	
Chrysene	1.275	1.185		-7.1	
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	

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

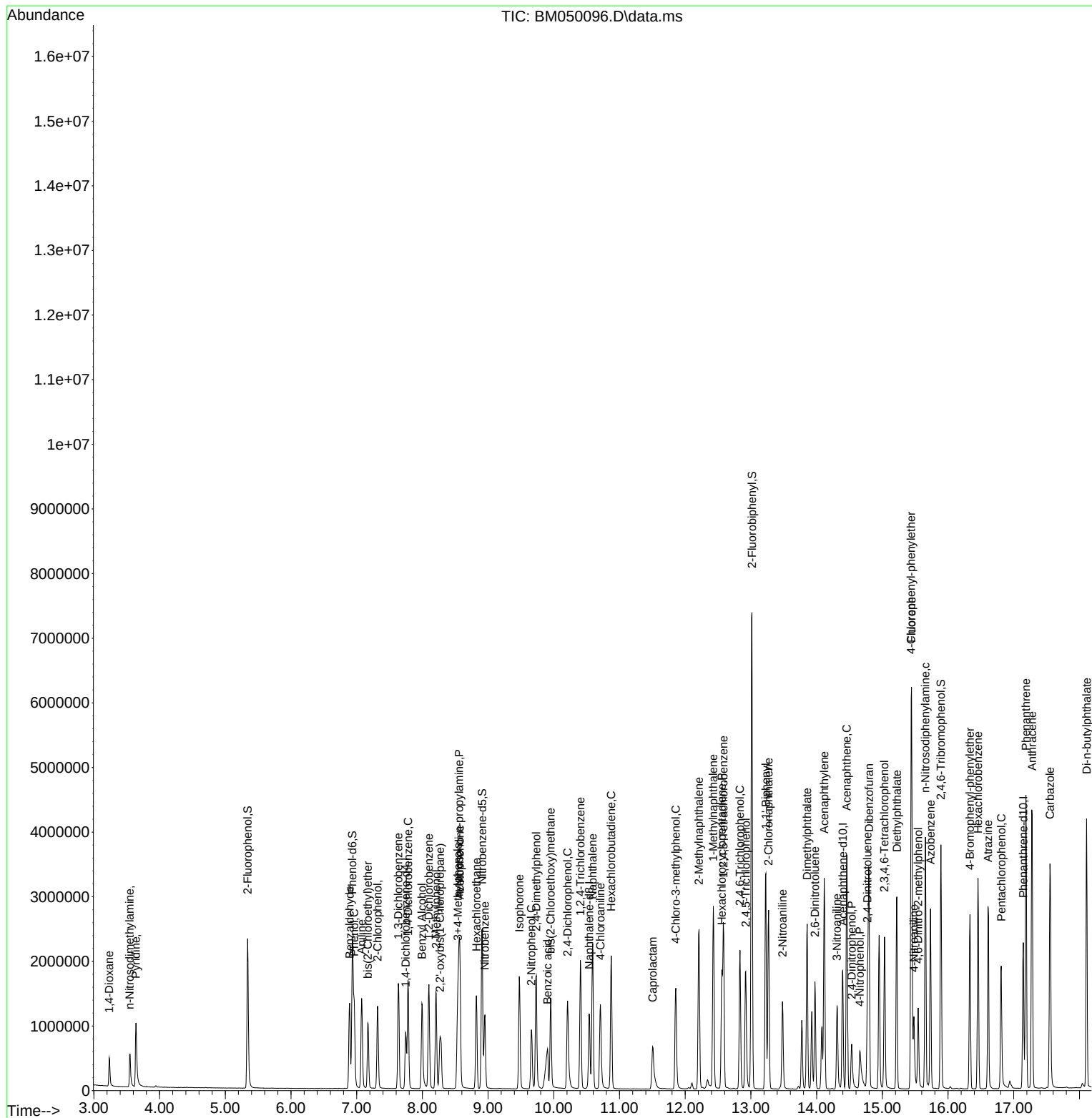
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.921	196	621796	39.588	ng	99
46) 1,1'-Biphenyl	13.227	154	1825108	37.011	ng	99
47) 2-Chloronaphthalene	13.268	162	1443971	36.973	ng	100
48) 2-Nitroaniline	13.480	65	363286	39.633	ng	99
49) Acenaphthylene	14.115	152	2310020	37.514	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

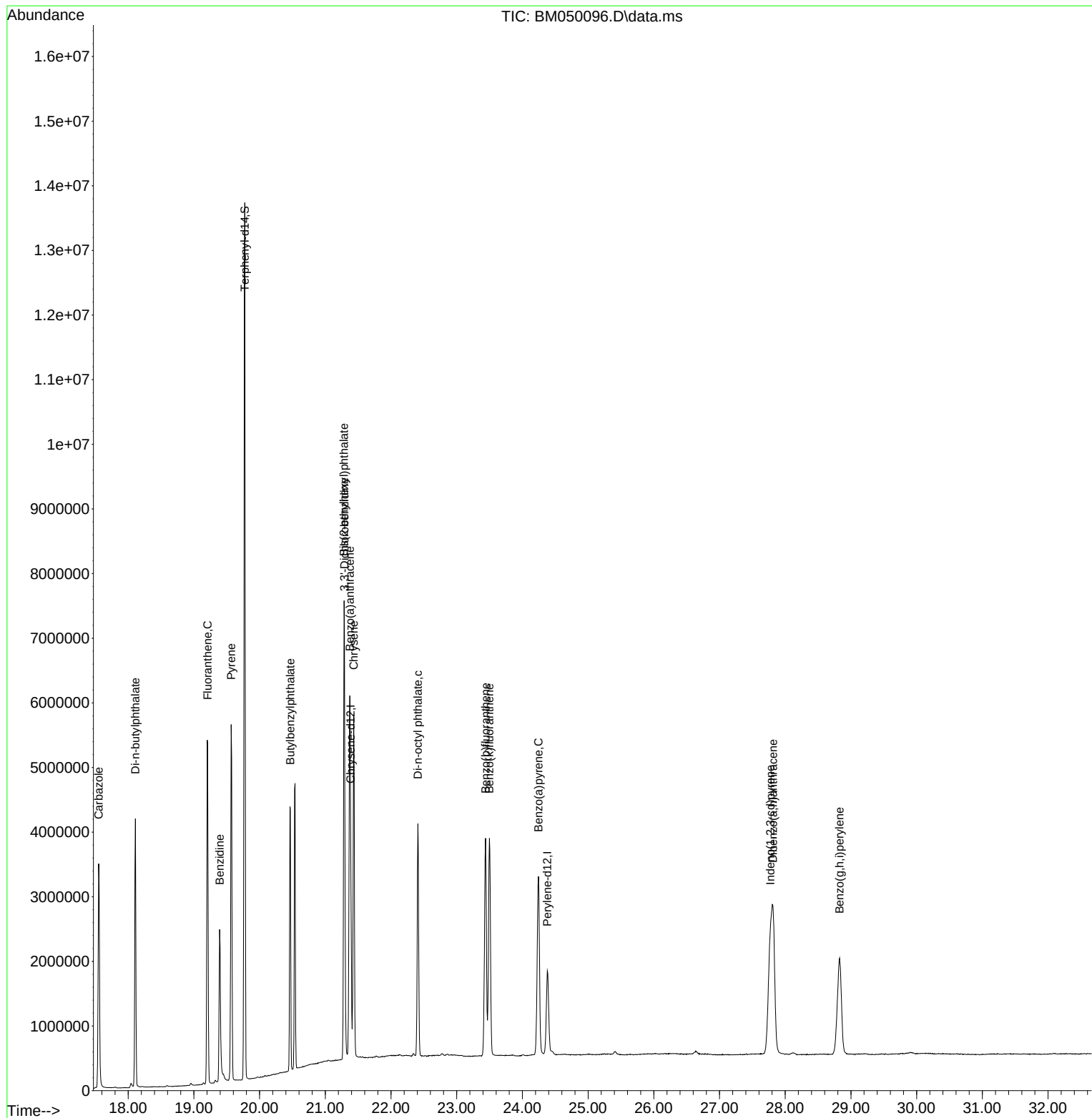
Quant Time: May 05 13:18:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 28 18:09:16 2025
 Response via : Initial Calibration



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
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
 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)
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)

(#) = 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)

(#) = 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: CAMP02

Lab Code: CHEM Case No.: Q1914 SAS No.: Q1914 SDG No.: Q1914

Instrument ID: BNA_P Calibration Date/Time: 05/02/2025 11:27

Lab File ID: BP024504.D Init. Calib. Date(s): 04/14/2025 04/14/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:06 17:13

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.210	1.150		-5.0	
Phenol-d6	1.656	1.559		-5.9	
Nitrobenzene-d5	0.351	0.346		-1.4	
Naphthalene	1.054	1.016		-3.6	
2-Fluorobiphenyl	1.306	1.294		-0.9	
Acenaphthylene	1.730	1.713		-1.0	
Acenaphthene	1.097	1.036		-5.6	20.0
Fluorene	1.388	1.362		-1.9	
2,4,6-Tribromophenol	0.277	0.326		17.7	
Phenanthrene	1.091	1.048		-3.9	
Anthracene	1.052	1.045		-0.7	
Fluoranthene	1.298	1.286		-0.9	20.0
Pyrene	1.271	1.176		-7.5	
Terphenyl-d14	0.992	0.994		0.2	
Benzo (a) anthracene	1.243	1.183		-4.8	
Chrysene	1.191	1.143		-4.0	
Benzo (k) fluoranthene	1.158	1.103		-4.8	
Benzo (a) pyrene	1.034	0.996		-3.7	20.0
Indeno (1,2,3-cd) pyrene	1.388	1.361		-1.9	
Dibenzo (a,h) anthracene	1.152	1.120		-2.8	
Benzo (g,h,i) perylene	1.173	1.138		-3.0	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050225\
 Data File : BP024504.D
 Acq On : 02 May 2025 11:27
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: May 02 12:18:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	129550	20.000	ng	-0.01
21) Naphthalene-d8	10.481	136	549706	20.000	ng	#-0.02
39) Acenaphthene-d10	14.340	164	360102	20.000	ng	-0.01
64) Phenanthrene-d10	17.145	188	708711	20.000	ng	# 0.00
76) Chrysene-d12	21.598	240	795052	20.000	ng	0.00
86) Perylene-d12	24.945	264	924354	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.328	112	596004	76.068	ng	-0.02
7) Phenol-d6	6.893	99	808071	75.320	ng	-0.02
23) Nitrobenzene-d5	8.857	82	760502	78.887	ng	-0.01
42) 2,4,6-Tribromophenol	15.857	330	469770	94.290	ng	0.00
45) 2-Fluorobiphenyl	12.951	172	1864450	79.274	ng	-0.01
79) Terphenyl-d14	19.875	244	3160493	80.126	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.275	88	110263	33.271	ng	# 93
3) Pyridine	3.670	79	293004	33.482	ng	# 91
4) n-Nitrosodimethylamine	3.581	42	123170	42.409	ng	# 74
6) Aniline	7.046	93	356394	37.175	ng	98
8) 2-Chlorophenol	7.287	128	336044	38.415	ng	97
9) Benzaldehyde	6.863	77	235587	44.392	ng	97
10) Phenol	6.922	94	393015	36.518	ng	89
11) bis(2-Chloroethyl)ether	7.140	93	300708	34.679	ng	99
12) 1,3-Dichlorobenzene	7.599	146	356251	37.828	ng	99
13) 1,4-Dichlorobenzene	7.746	146	362726	37.961	ng	100
14) 1,2-Dichlorobenzene	8.058	146	349992	37.932	ng	99
15) Benzyl Alcohol	7.952	79	291893	42.071	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.234	45	333682	35.601	ng	100
17) 2-Methylphenol	8.152	107	274158	39.378	ng	97
18) Hexachloroethane	8.775	117	134801	39.036	ng	97
19) n-Nitroso-di-n-propyla...	8.505	70	254407	38.330	ng	95
20) 3+4-Methylphenols	8.481	107	382848	39.631	ng	97
22) Acetophenone	8.522	105	529415	38.912	ng	96
24) Nitrobenzene	8.899	77	363801	38.147	ng	97
25) Isophorone	9.422	82	674324	38.644	ng	96
26) 2-Nitrophenol	9.605	139	201915	43.264	ng	97
27) 2,4-Dimethylphenol	9.669	122	232627	39.697	ng	97
28) bis(2-Chloroethoxy)met...	9.899	93	426741	36.201	ng	99
29) 2,4-Dichlorophenol	10.140	162	334667	41.885	ng	99
30) 1,2,4-Trichlorobenzene	10.346	180	341508	39.892	ng	100
31) Naphthalene	10.534	128	1116853	38.570	ng	100
32) Benzoic acid	9.828	122	277285	40.608	ng	99
33) 4-Chloroaniline	10.646	127	416010	40.796	ng	99
34) Hexachlorobutadiene	10.816	225	214609	42.660	ng	99
35) Caprolactam	11.440	113	118182	40.086	ng	95
36) 4-Chloro-3-methylphenol	11.781	107	390524	41.961	ng	99
37) 2-Methylnaphthalene	12.146	142	791105	39.394	ng	97
38) 1-Methylnaphthalene	12.363	142	770760	39.233	ng	98
40) 1,2,4,5-Tetrachloroben...	12.516	216	401182	40.512	ng	99
41) Hexachlorocyclopentadiene	12.498	237	135891	38.800	ng	97
43) 2,4,6-Trichlorophenol	12.763	196	278292	42.268	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050225\
 Data File : BP024504.D
 Acq On : 02 May 2025 11:27
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SSTDCCC040

Quant Time: May 02 12:18:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.846	196	303927	41.686	ng	100
46) 1,1'-Biphenyl	13.163	154	1034228	39.073	ng	98
47) 2-Chloronaphthalene	13.210	162	772166	39.032	ng	98
48) 2-Nitroaniline	13.416	65	235791	42.491	ng	95
49) Acenaphthylene	14.063	152	1233927	39.617	ng	99
50) Dimethylphthalate	13.798	163	1064739	40.659	ng	99
51) 2,6-Dinitrotoluene	13.922	165	231402	41.613	ng	99
52) Acenaphthene	14.410	154	746098	37.785	ng	99
53) 3-Nitroaniline	14.251	138	240556	41.159	ng	97
54) 2,4-Dinitrophenol	14.475	184	135922	41.496	ng	93
55) Dibenzofuran	14.745	168	1238864	38.383	ng	96
56) 4-Nitrophenol	14.592	139	195448	38.721	ng	85
57) 2,4-Dinitrotoluene	14.722	165	319863	42.167	ng	98
58) Fluorene	15.410	166	980589	39.246	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.981	232	284863	42.362	ng	99
60) Diethylphthalate	15.181	149	1084810	40.198	ng	100
61) 4-Chlorophenyl-phenyle...	15.404	204	491661	40.522	ng	96
62) 4-Nitroaniline	15.440	138	256396	41.441	ng	88
63) Azobenzene	15.704	77	926557	37.356	ng	95
65) 4,6-Dinitro-2-methylph...	15.498	198	188049	42.087	ng	97
66) n-Nitrosodiphenylamine	15.622	169	830796	39.275	ng	99
67) 4-Bromophenyl-phenylether	16.316	248	329947	42.568	ng	97
68) Hexachlorobenzene	16.439	284	401030	43.541	ng	100
69) Atrazine	16.604	200	220429	40.914	ng	98
70) Pentachlorophenol	16.798	266	282595	43.981	ng	99
71) Phenanthrene	17.186	178	1484867	38.406	ng	100
72) Anthracene	17.286	178	1480643	39.736	ng	99
73) Carbazole	17.569	167	1425580	39.155	ng	99
74) Di-n-butylphthalate	18.151	149	1884553	41.547	ng	100
75) Fluoranthene	19.286	202	1822300	39.631	ng	96
77) Benzidine	19.486	184	495896	49.206	ng	99
78) Pyrene	19.657	202	1870529	37.021	ng	99
80) Butylbenzylphthalate	20.610	149	864241	39.934	ng	99
81) Benzo(a)anthracene	21.580	228	1880613	38.056	ng	100
82) 3,3'-Dichlorobenzidine	21.504	252	721200	41.580	ng	99
83) Chrysene	21.651	228	1817220	38.383	ng	100
84) Bis(2-ethylhexyl)phtha...	21.510	149	1250474	39.415	ng	100
85) Di-n-octyl phthalate	22.792	149	2147705	41.641	ng	100
87) Indeno(1,2,3-cd)pyrene	28.756	276	2515761	39.203	ng	97
88) Benzo(b)fluoranthene	23.886	252	2095593	37.822	ng	# 97
89) Benzo(k)fluoranthene	23.968	252	2038754	38.094	ng	# 97
90) Benzo(a)pyrene	24.792	252	1840794	38.516	ng	# 97
91) Dibenzo(a,h)anthracene	28.815	278	2070450	38.871	ng	97
92) Benzo(g,h,i)perylene	29.915	276	2104464	38.816	ng	# 95

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

Instrument :
BNA_P
ClientSampleId :
SSTDCCC040

TIC: BP024504.D\data.ms

The chromatogram displays a series of peaks representing various compounds. Key labeled peaks include:

- 1,4-Dioxane
- n-Nitrosodimethylamine,
- 2-Fluorophenol,S
- Benzaldehyde
- Phenol-d6,S
- 2-Chlorophenol
- 1,4-Dichlorobenzene,C
- 2,2'-oxybis[1-chloroethanol],C
- 2,2'-oxybis[1-methoxyethanol],P
- Nitrobenzothiazole,Nitrobenzene-d5,S
- Isobutylene
- 2-Nitrotoluene
- Benzonitrile
- 2,4-Dichlorophenol,C
- Naphthalene,d10
- 4-Chlorophenylchlorobutadiene,C
- Caprolactam
- 4-Chloro-3-methylphenol,C
- Hexachlorocyclopentadiene
- 2-Methylnaphthalene
- 2,4,6-Trichlorophenol,C
- 2-Chloronaphthalene
- 2-Nitroaniline
- Dinitrotoluene
- 2,6-Dinitrotoluene
- 3-Nitrophenol
- Acetophenone-d10
- Ascorbic acid
- 2-Nitrophenol
- 2,3,4,6-Tetrachlorophenol
- 4-Aminobenzoic acid
- Azobenzene
- 4-Ethoxyphenol
- 4-Ethoxyphenylether
- Atrazine
- 1,6-Dichlorophenol,C
- Phenanthrene
- Benzenethiol-d10,I
- Carbazole
- Di-n-butylphthalate
- Fluoranthene,C
- Pyrene
- Benzidine
- Butylbenzylphthalate
- Chrysene
- 3,3'-Dimethylbiphenylphthalate
- Di-n-octyl phthalate,c
- Benzo(a,h,i)perylene
- Perylene-d12,I
- Benzo(a)pyrene,C
- Dibenz(a,h,i)anthracene
- Benzo(g,h,i)perylene

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050225\
 Data File : BP024504.D
 Acq On : 02 May 2025 11:27
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Instrument :
 BNA_P
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 SSTDCCC040

Quant Time: May 02 12:18:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 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	53	-0.01
2	1,4-Dioxane	0.512	0.426	16.8	44#	-0.01
3	Pyridine	1.351	1.131	16.3	43#	-0.02
4	n-Nitrosodimethylamine	0.448	0.475	-6.0	55	-0.01
5 S	2-Fluorophenol	1.210	1.150	5.0	48#	-0.02
6	Aniline	1.480	1.376	7.0	46#	-0.02
7 S	Phenol-d6	1.656	1.559	5.9	47#	-0.02
8	2-Chlorophenol	1.350	1.297	3.9	49#	-0.01
9	Benzaldehyde	0.819	0.909	-11.0	57	-0.02
10 C	Phenol	1.661	1.517	8.7	46#	-0.02
11	bis(2-Chloroethyl)ether	1.339	1.161	13.3	44#	-0.02
12	1,3-Dichlorobenzene	1.454	1.375	5.4	49#	-0.02
13 C	1,4-Dichlorobenzene	1.475	1.400	5.1	49#	-0.01
14	1,2-Dichlorobenzene	1.424	1.351	5.1	49#	-0.02
15	Benzyl Alcohol	1.071	1.127	-5.2	51	-0.01
16	2,2'-oxybis(1-Chloropropane	1.447	1.288	11.0	45#	-0.01
17	2-Methylphenol	1.075	1.058	1.6	49#	-0.02
18	Hexachloroethane	0.533	0.520	2.4	51	-0.02
19 P	n-Nitroso-di-n-propylamine	1.025	0.982	4.2	48#	-0.02
20	3+4-Methylphenols	1.491	1.478	0.9	49#	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	53	-0.02
22	Acetophenone	0.495	0.482	2.6	49#	-0.02
23 S	Nitrobenzene-d5	0.351	0.346	1.4	49#	-0.01
24	Nitrobenzene	0.347	0.331	4.6	48#	-0.01
25	Isophorone	0.635	0.613	3.5	48#	0.00
26 C	2-Nitrophenol	0.170	0.184	-8.2	53	-0.01
27	2,4-Dimethylphenol	0.213	0.212	0.5	49#	-0.01
28	bis(2-Chloroethoxy)methane	0.429	0.388	9.6	45#	-0.01
29 C	2,4-Dichlorophenol	0.291	0.304	-4.5	52	-0.01
30	1,2,4-Trichlorobenzene	0.311	0.311	0.0	51	-0.02
31	Naphthalene	1.054	1.016	3.6	49#	-0.01
32	Benzoic acid	0.248	0.252	-1.6	55	0.00
33	4-Chloroaniline	0.371	0.378	-1.9	50	-0.02
34 C	Hexachlorobutadiene	0.183	0.195	-6.6	54	-0.01
35	Caprolactam	0.107	0.107	0.0	50	0.00
36 C	4-Chloro-3-methylphenol	0.339	0.355	-4.7	52	-0.01
37	2-Methylnaphthalene	0.731	0.720	1.5	50	-0.01
38	1-Methylnaphthalene	0.715	0.701	2.0	50	-0.01
39 I	Acenaphthene-d10	1.000	1.000	0.0	55	-0.01
40	1,2,4,5-Tetrachlorobenzene	0.550	0.557	-1.3	53	-0.01
41 P	Hexachlorocyclopentadiene	0.195	0.189	3.1	47#	-0.01
42 S	2,4,6-Tribromophenol	0.277	0.326	-17.7	62	0.00
43 C	2,4,6-Trichlorophenol	0.366	0.386	-5.5	54	-0.01
44	2,4,5-Trichlorophenol	0.405	0.422	-4.2	54	-0.01
45 S	2-Fluorobiphenyl	1.306	1.294	0.9	52	-0.01
46	1,1'-Biphenyl	1.470	1.436	2.3	51	-0.01
47	2-Chloronaphthalene	1.099	1.072	2.5	52	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050225\
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 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
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Quant Time: May 02 12:18:41 2025
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 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	0.308	0.327	-6.2	54	0.00
49	Acenaphthylene	1.730	1.713	1.0	52	0.00
50	Dimethylphthalate	1.454	1.478	-1.7	54	-0.01
51	2,6-Dinitrotoluene	0.309	0.321	-3.9	54	0.00
52 C	Acenaphthene	1.097	1.036	5.6	50	-0.01
53	3-Nitroaniline	0.325	0.334	-2.8	52	-0.01
54 P	2,4-Dinitrophenol	0.182	0.189	-3.8	56	0.00
55	Dibenzofuran	1.793	1.720	4.1	51	-0.01
56 P	4-Nitrophenol	0.280	0.271	3.2	49#	0.00
57	2,4-Dinitrotoluene	0.421	0.444	-5.5	54	0.00
58	Fluorene	1.388	1.362	1.9	53	0.00
59	2,3,4,6-Tetrachlorophenol	0.373	0.396	-6.2	56	-0.01
60	Diethylphthalate	1.499	1.506	-0.5	53	-0.01
61	4-Chlorophenyl-phenylether	0.674	0.683	-1.3	55	0.00
62	4-Nitroaniline	0.344	0.356	-3.5	53	0.00
63	Azobenzene	1.378	1.287	6.6	49#	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	55	0.00
65	4,6-Dinitro-2-methylphenol	0.126	0.133	-5.6	56	0.00
66 c	n-Nitrosodiphenylamine	0.597	0.586	1.8	52	0.00
67	4-Bromophenyl-phenylether	0.219	0.233	-6.4	56	0.00
68	Hexachlorobenzene	0.260	0.283	-8.8	58	0.00
69	Atrazine	0.152	0.156	-2.6	71	0.00
70 C	Pentachlorophenol	0.181	0.199	-9.9	57	0.00
71	Phenanthrene	1.091	1.048	3.9	52	0.00
72	Anthracene	1.052	1.045	0.7	52	0.00
73	Carbazole	1.027	1.006	2.0	51	0.00
74	Di-n-butylphthalate	1.280	1.330	-3.9	53	0.00
75 C	Fluoranthene	1.298	1.286	0.9	53	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	59	0.00
77	Benzidine	0.254	0.312	-22.8	42#	0.00
78	Pyrene	1.271	1.176	7.5	53	0.00
79 S	Terphenyl-d14	0.992	0.994	-0.2	57	0.00
80	Butylbenzylphthalate	0.544	0.544	0.0	54	0.00
81	Benzo(a)anthracene	1.243	1.183	4.8	54	0.01
82	3,3'-Dichlorobenzidine	0.436	0.454	-4.1	55	0.01
83	Chrysene	1.191	1.143	4.0	56	0.01
84	Bis(2-ethylhexyl)phthalate	0.798	0.786	1.5	52	0.00
85 c	Di-n-octyl phthalate	1.297	1.351	-4.2	54	0.00
86 I	Perylene-d12	1.000	1.000	0.0	62	0.01
87	Indeno(1,2,3-cd)pyrene	1.388	1.361	1.9	59	0.02
88	Benzo(b)fluoranthene	1.199	1.134	5.4	56	0.00
89	Benzo(k)fluoranthene	1.158	1.103	4.7	57	0.01
90 C	Benzo(a)pyrene	1.034	0.996	3.7	57	0.01
91	Dibenzo(a,h)anthracene	1.152	1.120	2.8	58	0.01
92	Benzo(g,h,i)perylene	1.173	1.138	3.0	58	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050225\
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050225\
 Data File : BP024504.D
 Acq On : 02 May 2025 11:27
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: May 02 12:18:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 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	53	-0.01
2	1,4-Dioxane	40.000	33.271	16.8	44	-0.01
3	Pyridine	40.000	33.482	16.3	43	-0.02
4	n-Nitrosodimethylamine	40.000	42.409	-6.0	55	-0.01
5 S	2-Fluorophenol	80.000	76.068	4.9	48	-0.02
6	Aniline	40.000	37.175	7.1	46	-0.02
7 S	Phenol-d6	80.000	75.320	5.9	47	-0.02
8	2-Chlorophenol	40.000	38.415	4.0	49	-0.01
9	Benzaldehyde	40.000	44.392	-11.0	57	-0.02
10 C	Phenol	40.000	36.518	8.7	46	-0.02
11	bis(2-Chloroethyl)ether	40.000	34.679	13.3	44	-0.02
12	1,3-Dichlorobenzene	40.000	37.828	5.4	49	-0.02
13 C	1,4-Dichlorobenzene	40.000	37.961	5.1	49	-0.01
14	1,2-Dichlorobenzene	40.000	37.932	5.2	49	-0.02
15	Benzyl Alcohol	40.000	42.071	-5.2	51	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	35.601	11.0	45	-0.01
17	2-Methylphenol	40.000	39.378	1.6	49	-0.02
18	Hexachloroethane	40.000	39.036	2.4	51	-0.02
19 P	n-Nitroso-di-n-propylamine	40.000	38.330	4.2	48	-0.02
20	3+4-Methylphenols	40.000	39.631	0.9	49	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	53	-0.02
22	Acetophenone	40.000	38.912	2.7	49	-0.02
23 S	Nitrobenzene-d5	80.000	78.887	1.4	49	-0.01
24	Nitrobenzene	40.000	38.147	4.6	48	-0.01
25	Isophorone	40.000	38.644	3.4	48	0.00
26 C	2-Nitrophenol	40.000	43.264	-8.2	53	-0.01
27	2,4-Dimethylphenol	40.000	39.697	0.8	49	-0.01
28	bis(2-Chloroethoxy)methane	40.000	36.201	9.5	45	-0.01
29 C	2,4-Dichlorophenol	40.000	41.885	-4.7	52	-0.01
30	1,2,4-Trichlorobenzene	40.000	39.892	0.3	51	-0.02
31	Naphthalene	40.000	38.570	3.6	49	-0.01
32	Benzoic acid	40.000	40.608	-1.5	55	0.00
33	4-Chloroaniline	40.000	40.796	-2.0	50	-0.02
34 C	Hexachlorobutadiene	40.000	42.660	-6.6	54	-0.01
35	Caprolactam	40.000	40.086	-0.2	50	0.00
36 C	4-Chloro-3-methylphenol	40.000	41.961	-4.9	52	-0.01
37	2-Methylnaphthalene	40.000	39.394	1.5	50	-0.01
38	1-Methylnaphthalene	40.000	39.233	1.9	50	-0.01
39 I	Acenaphthene-d10	20.000	20.000	0.0	55	-0.01
40	1,2,4,5-Tetrachlorobenzene	40.000	40.512	-1.3	53	-0.01
41 P	Hexachlorocyclopentadiene	40.000	38.800	3.0	47	-0.01
42 S	2,4,6-Tribromophenol	80.000	94.290	-17.9	62	0.00
43 C	2,4,6-Trichlorophenol	40.000	42.268	-5.7	54	-0.01
44	2,4,5-Trichlorophenol	40.000	41.686	-4.2	54	-0.01
45 S	2-Fluorobiphenyl	80.000	79.274	0.9	52	-0.01
46	1,1'-Biphenyl	40.000	39.073	2.3	51	-0.01
47	2-Chloronaphthalene	40.000	39.032	2.4	52	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050225\
 Data File : BP024504.D
 Acq On : 02 May 2025 11:27
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_P
 LabSampleId :
 SSTDCCC040

Quant Time: May 02 12:18:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 18 12:04:48 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	42.491	-6.2	54	0.00
49	Acenaphthylene	40.000	39.617	1.0	52	0.00
50	Dimethylphthalate	40.000	40.659	-1.6	54	-0.01
51	2,6-Dinitrotoluene	40.000	41.613	-4.0	54	0.00
52 C	Acenaphthene	40.000	37.785	5.5	50	-0.01
53	3-Nitroaniline	40.000	41.159	-2.9	52	-0.01
54 P	2,4-Dinitrophenol	40.000	41.496	-3.7	56	0.00
55	Dibenzofuran	40.000	38.383	4.0	51	-0.01
56 P	4-Nitrophenol	40.000	38.721	3.2	49	0.00
57	2,4-Dinitrotoluene	40.000	42.167	-5.4	54	0.00
58	Fluorene	40.000	39.246	1.9	53	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	42.362	-5.9	56	-0.01
60	Diethylphthalate	40.000	40.198	-0.5	53	-0.01
61	4-Chlorophenyl-phenylether	40.000	40.522	-1.3	55	0.00
62	4-Nitroaniline	40.000	41.441	-3.6	53	0.00
63	Azobenzene	40.000	37.356	6.6	49	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	55	0.00
65	4,6-Dinitro-2-methylphenol	40.000	42.087	-5.2	56	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.275	1.8	52	0.00
67	4-Bromophenyl-phenylether	40.000	42.568	-6.4	56	0.00
68	Hexachlorobenzene	40.000	43.541	-8.9	58	0.00
69	Atrazine	40.000	40.914	-2.3	71	0.00
70 C	Pentachlorophenol	40.000	43.981	-10.0	57	0.00
71	Phenanthrene	40.000	38.406	4.0	52	0.00
72	Anthracene	40.000	39.736	0.7	52	0.00
73	Carbazole	40.000	39.155	2.1	51	0.00
74	Di-n-butylphthalate	40.000	41.547	-3.9	53	0.00
75 C	Fluoranthene	40.000	39.631	0.9	53	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	59	0.00
77	Benzydine	40.000	49.206	-23.0	42	0.00
78	Pyrene	40.000	37.021	7.4	53	0.00
79 S	Terphenyl-d14	80.000	80.126	-0.2	57	0.00
80	Butylbenzylphthalate	40.000	39.934	0.2	54	0.00
81	Benzo(a)anthracene	40.000	38.056	4.9	54	0.01
82	3,3'-Dichlorobenzidine	40.000	41.580	-3.9	55	0.01
83	Chrysene	40.000	38.383	4.0	56	0.01
84	Bis(2-ethylhexyl)phthalate	40.000	39.415	1.5	52	0.00
85 c	Di-n-octyl phthalate	40.000	41.641	-4.1	54	0.00
86 I	Perylene-d12	20.000	20.000	0.0	62	0.01
87	Indeno(1,2,3-cd)pyrene	40.000	39.203	2.0	59	0.02
88	Benzo(b)fluoranthene	40.000	37.822	5.4	56	0.00
89	Benzo(k)fluoranthene	40.000	38.094	4.8	57	0.01
90 C	Benzo(a)pyrene	40.000	38.516	3.7	57	0.01
91	Dibenzo(a,h)anthracene	40.000	38.871	2.8	58	0.01
92	Benzo(g,h,i)perylene	40.000	38.816	3.0	58	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050225\
Data File : BP024504.D
Acq On : 02 May 2025 11:27
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_P
LabSampleId :
SSTDCCC040

Quant Time: May 02 12:18:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration

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

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

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



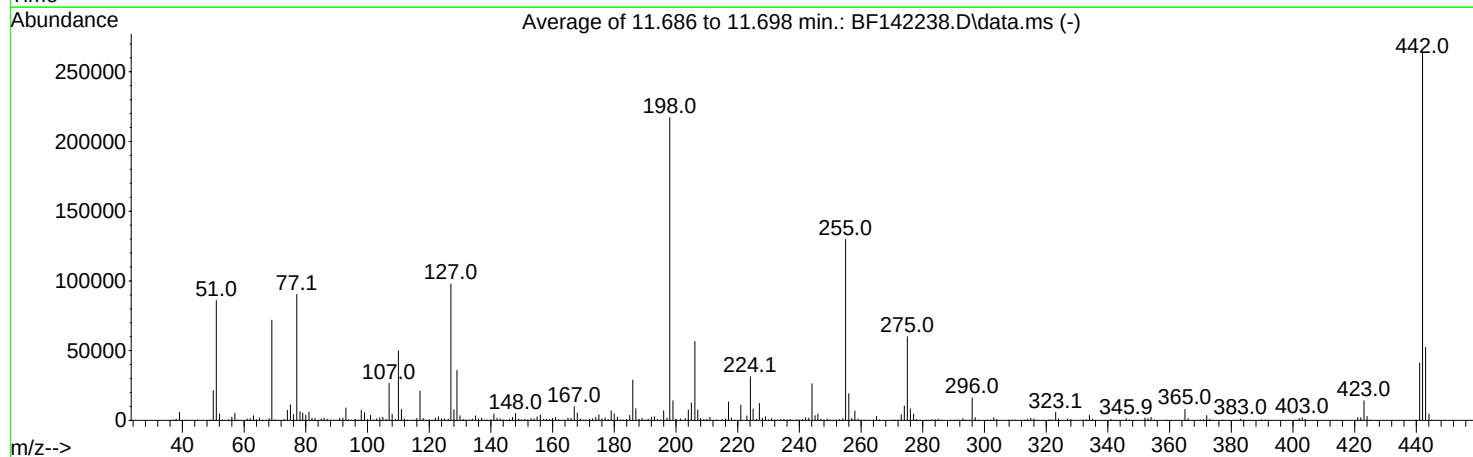
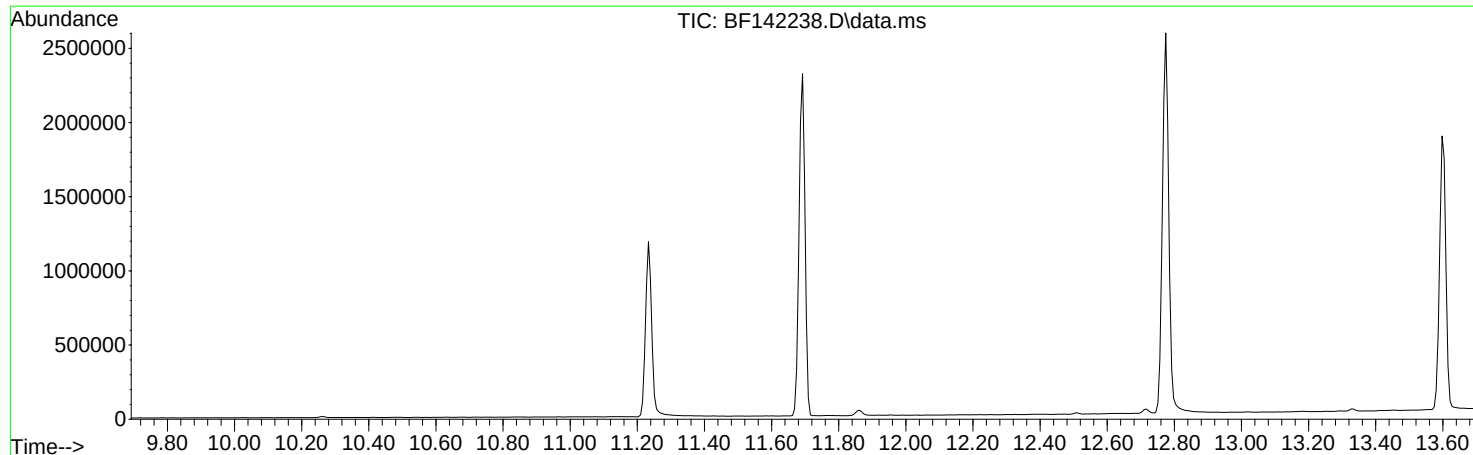
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142238.D
Acq On : 30 Apr 2025 10:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 30 16:00:01 2025



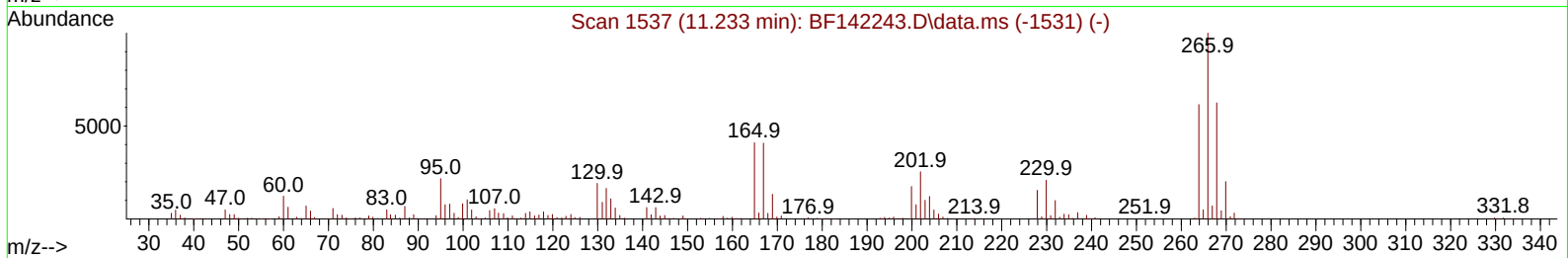
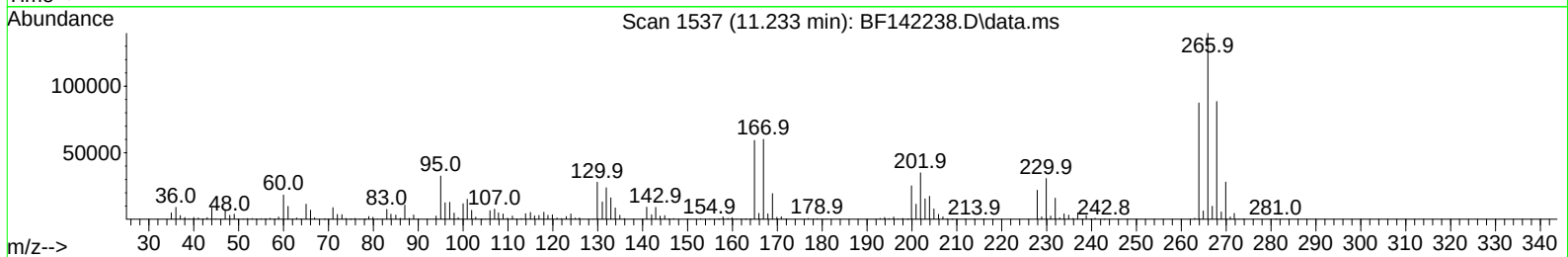
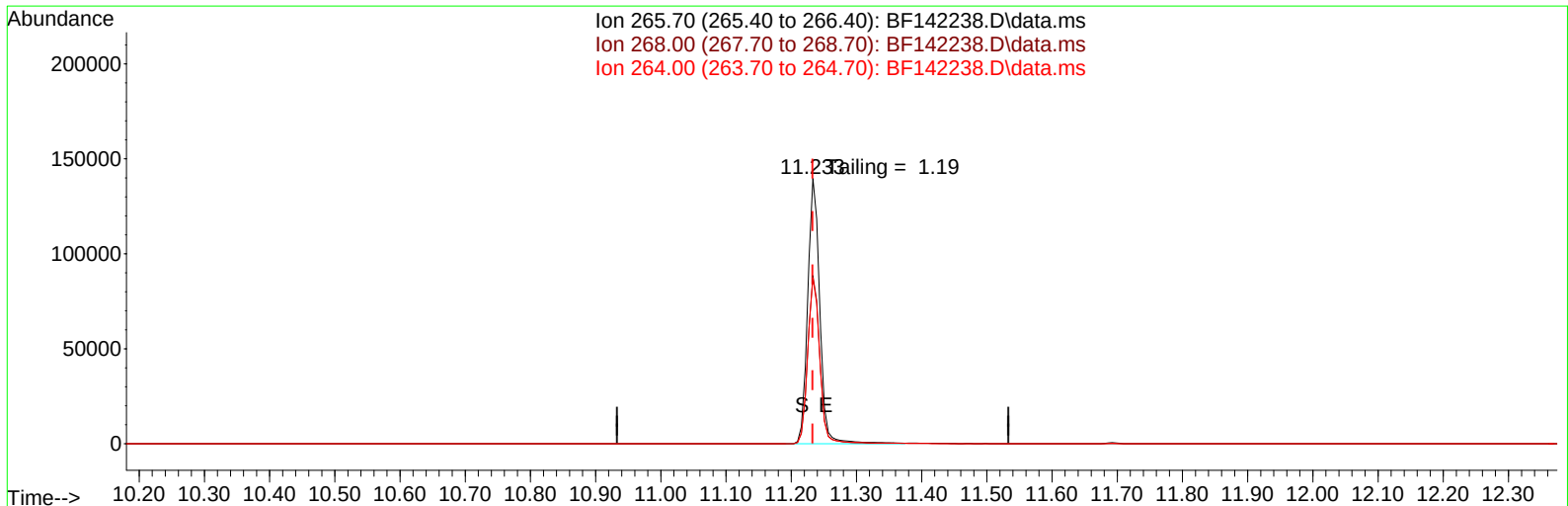
AutoFind: Scans 1614, 1615, 1616; Background Corrected with Scan 1607

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.6	86007	PASS
68	69	0.00	2	1.8	1316	PASS
69	198	0.00	100	33.1	71903	PASS
70	69	0.00	2	0.5	377	PASS
127	198	10	80	45.1	97928	PASS
197	198	0.00	2	0.8	1760	PASS
198	198	100	100	100.0	217131	PASS
199	198	5	9	6.5	14095	PASS
275	198	10	60	27.6	60019	PASS
365	198	1	100	3.7	7976	PASS
441	198	0.01	100	19.0	41171	PASS
442	442	50	100	100.0	263808	PASS
443	442	15	24	19.9	52467	PASS

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142238.D
Acq On : 30 Apr 2025 10:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Apr 30 16:04:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



TIC: BF142238.D\data.ms

(70) Pentachlorophenol (C)

11.233min (+ 0.000) 69575.24 ng

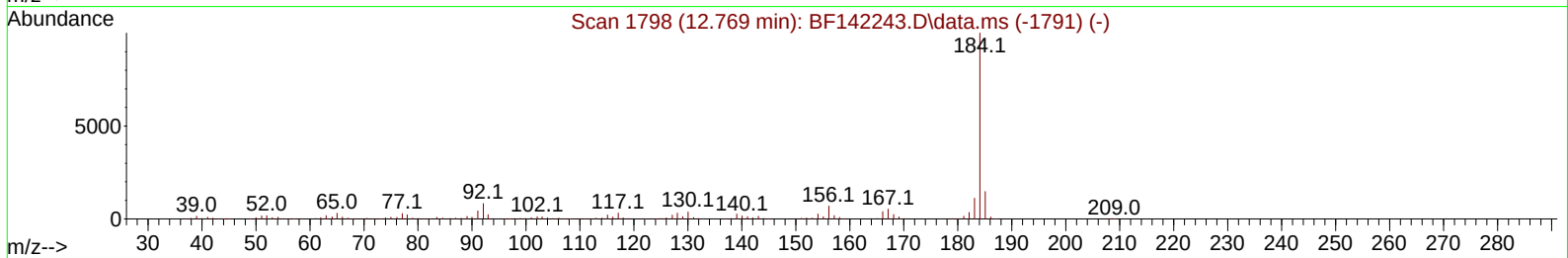
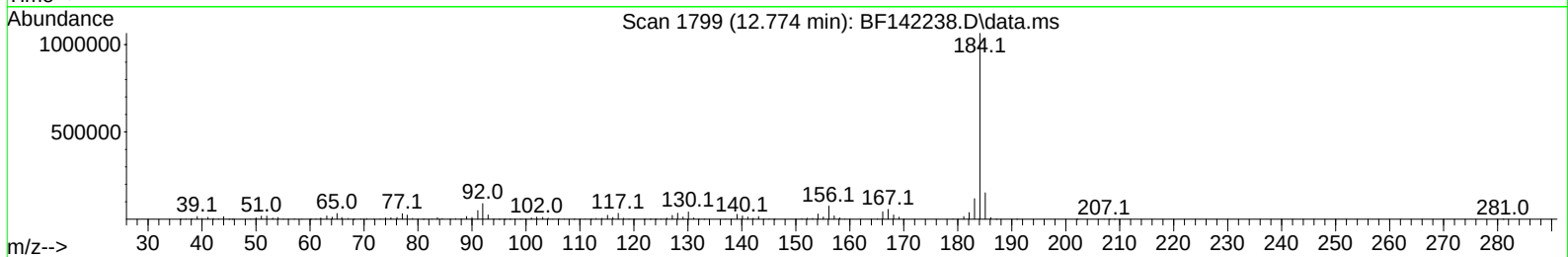
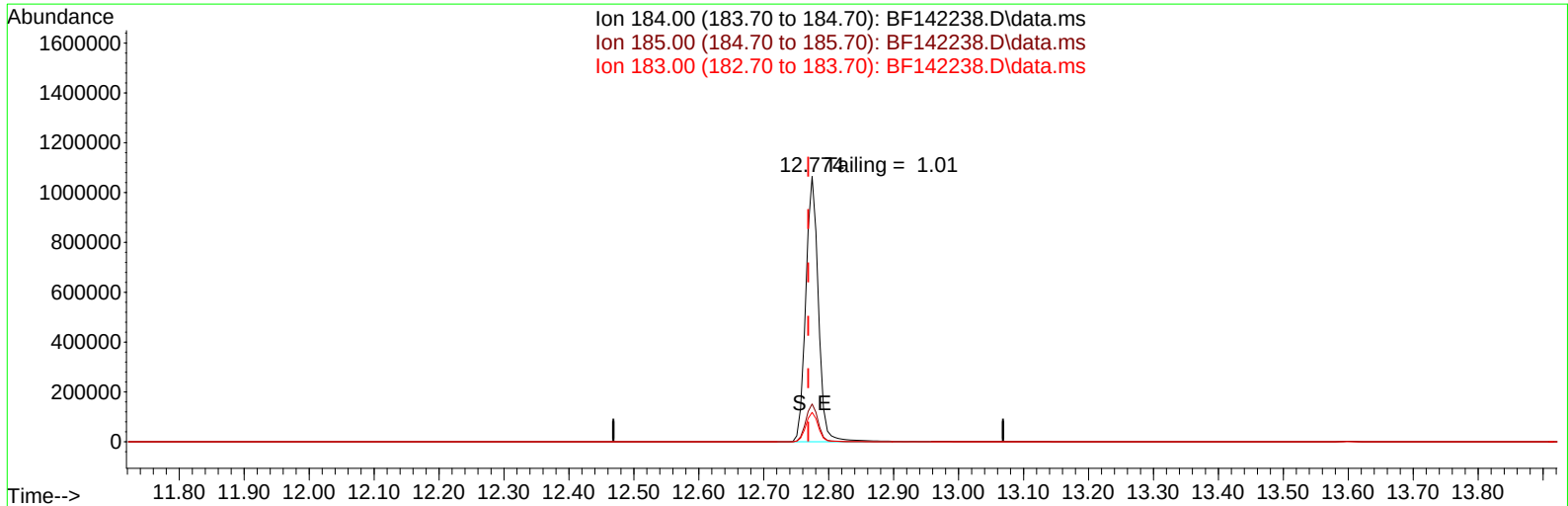
response 180630

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.50	63.39
264.00	61.60	62.57
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF043025\
Data File : BF142238.D
Acq On : 30 Apr 2025 10:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Apr 30 16:04:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



TIC: BF142238.D\data.ms

(77) Benzidine

12.774min (+ 0.006) 97416.22 ng

response 1440496

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.25
183.00	11.10	11.10
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/30/2025	BNA_F	<u>BF142238.D</u>
Compound Name	Response	Retention Time
DDT	378546	13.598
DDD	2841	13.333
DDE	0	12.904
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
2841	381387	0.74

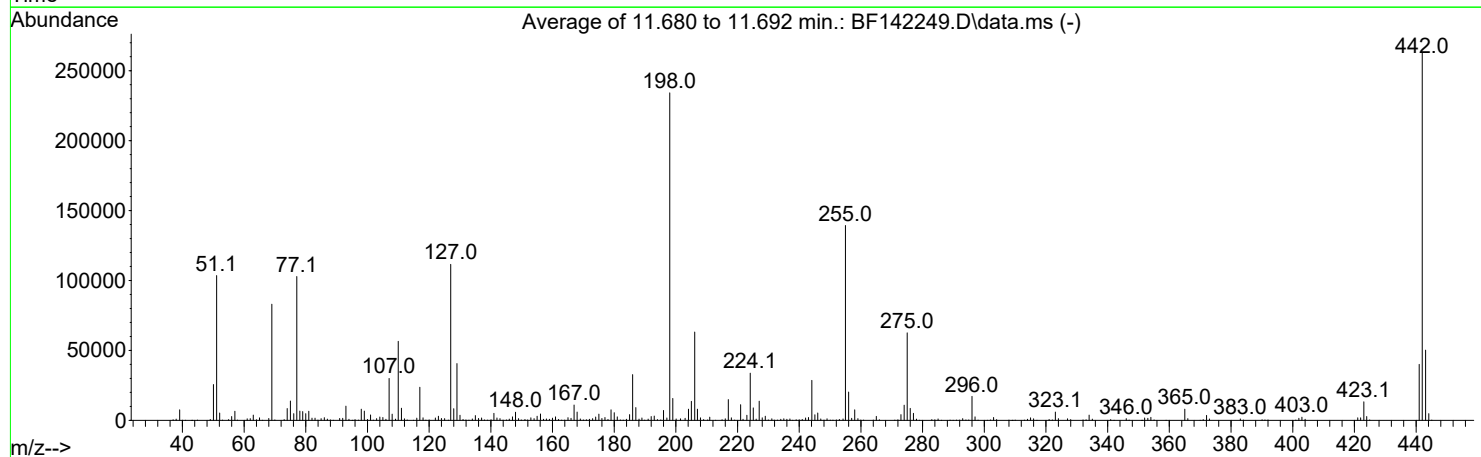
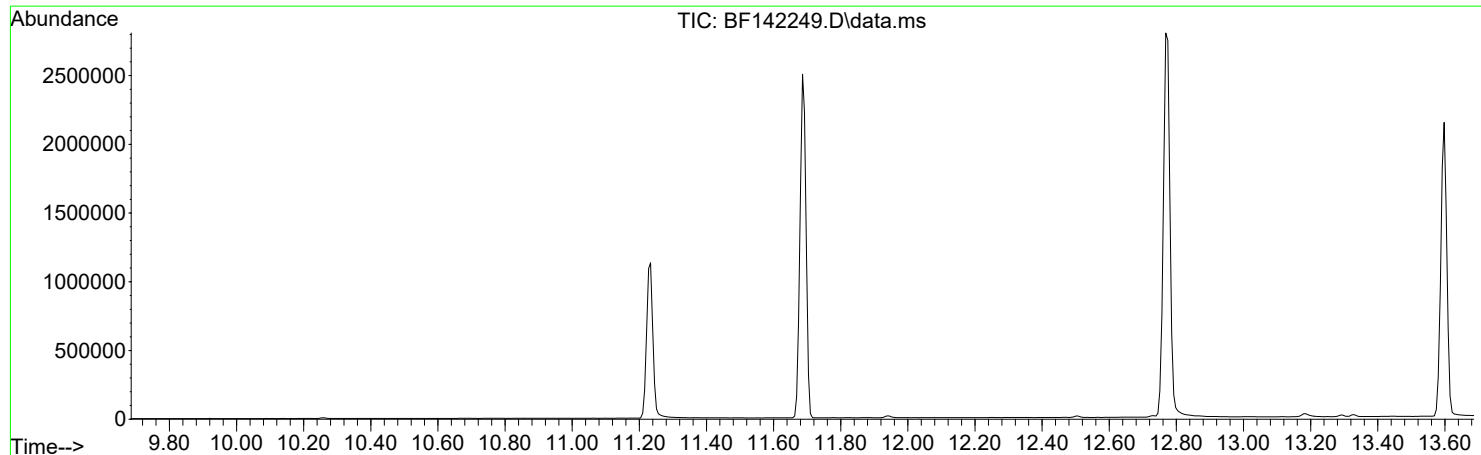
Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142249.D
Acq On : 01 May 2025 09:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 30 16:00:01 2025



AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1607

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	44.2	103579	PASS
68	69	0.00	2	1.6	1339	PASS
69	198	0.00	100	35.5	83059	PASS
70	69	0.00	2	0.5	413	PASS
127	198	10	80	47.7	111579	PASS
197	198	0.00	2	0.7	1704	PASS
198	198	100	100	100.0	234155	PASS
199	198	5	9	6.7	15632	PASS
275	198	10	60	26.7	62555	PASS
365	198	1	100	3.4	8074	PASS
441	198	0.01	100	17.1	40008	PASS
442	442	50	100	100.0	263019	PASS
443	442	15	24	19.1	50208	PASS

DDT Breakdown

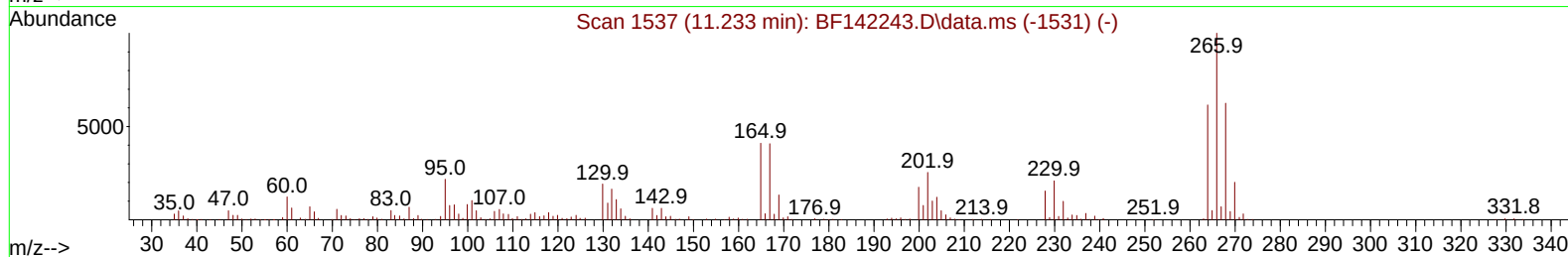
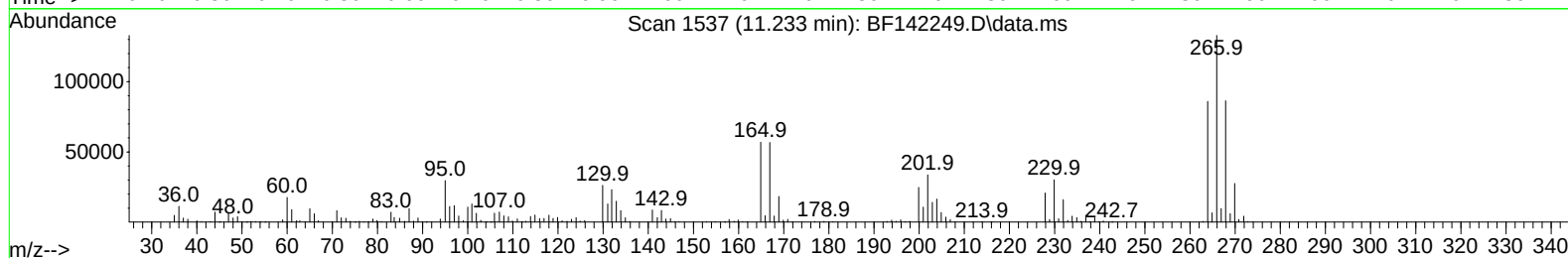
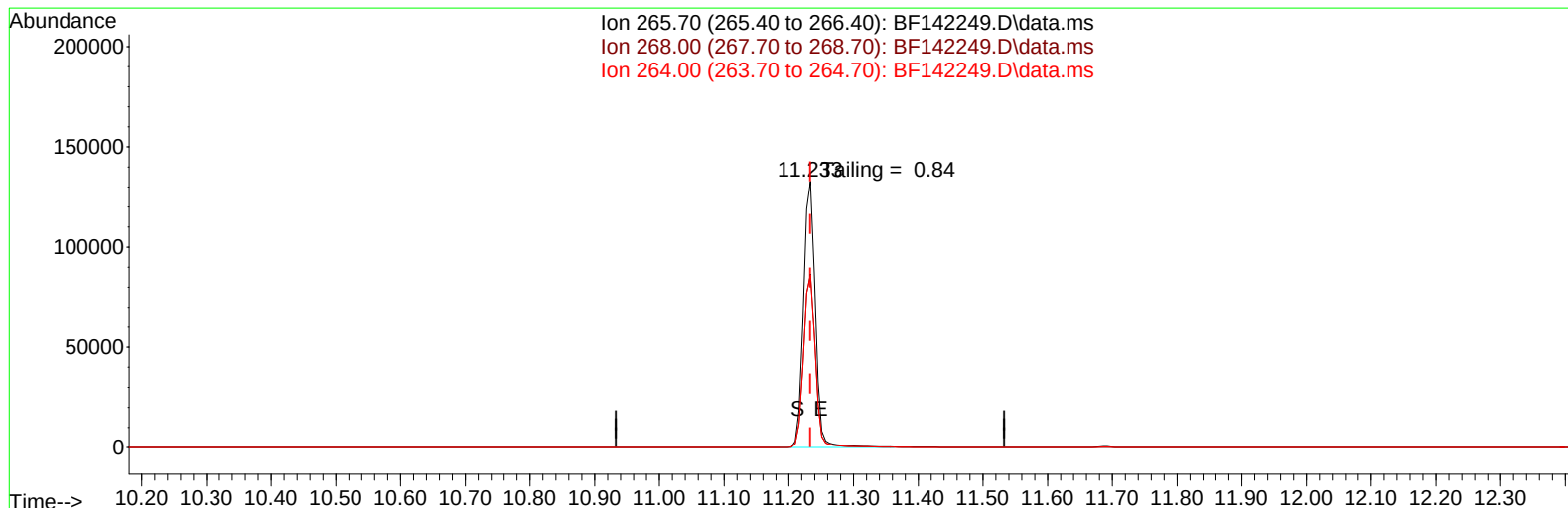
Date	Instrument Name	DFTPP Data File
5/1/2025	BNA_F	<u>BF142249.D</u>
Compound Name	Response	Retention Time
DDT	427368	13.598
DDD	6172	13.327
DDE	0	12.904
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
6172	433540	1.42

Instrument :
BNA_F
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142249.D
Acq On : 01 May 2025 09:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 01 12:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



TIC: BF142249.D\data.ms

(70) Pentachlorophenol (C)

11.233min (+ 0.000) 113470.87 ng

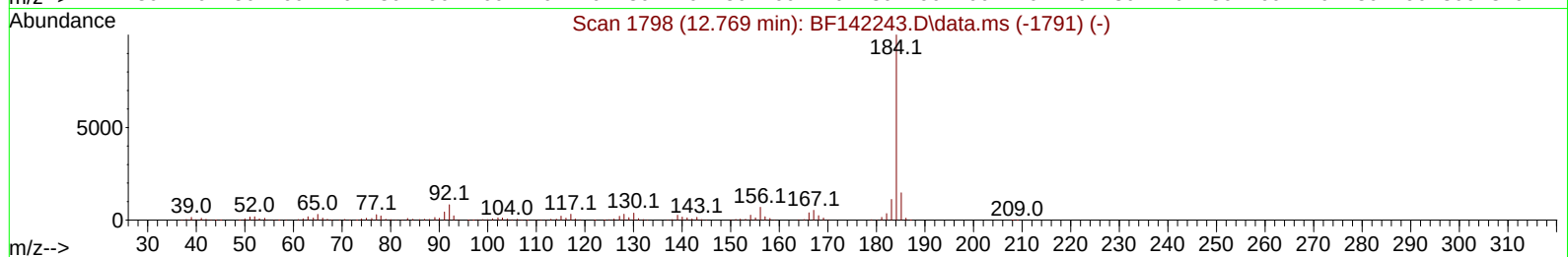
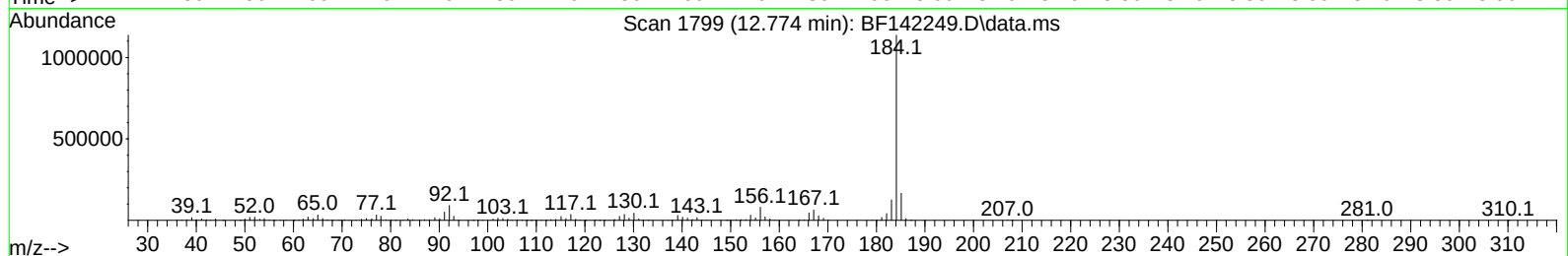
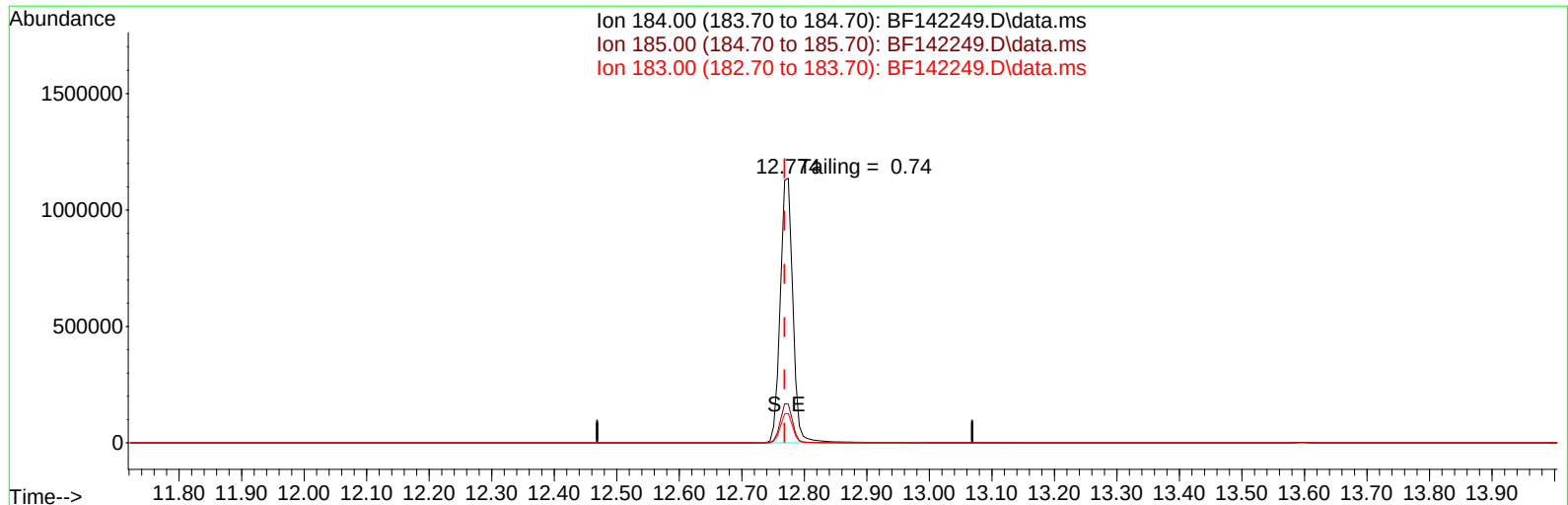
response 170474

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.50	65.06
264.00	61.60	64.75
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142249.D
Acq On : 01 May 2025 09:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 01 12:00:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



TIC: BF142249.D\data.ms

(77) Benzidine

12.774min (+ 0.006) 156734.40 ng

response 1611689

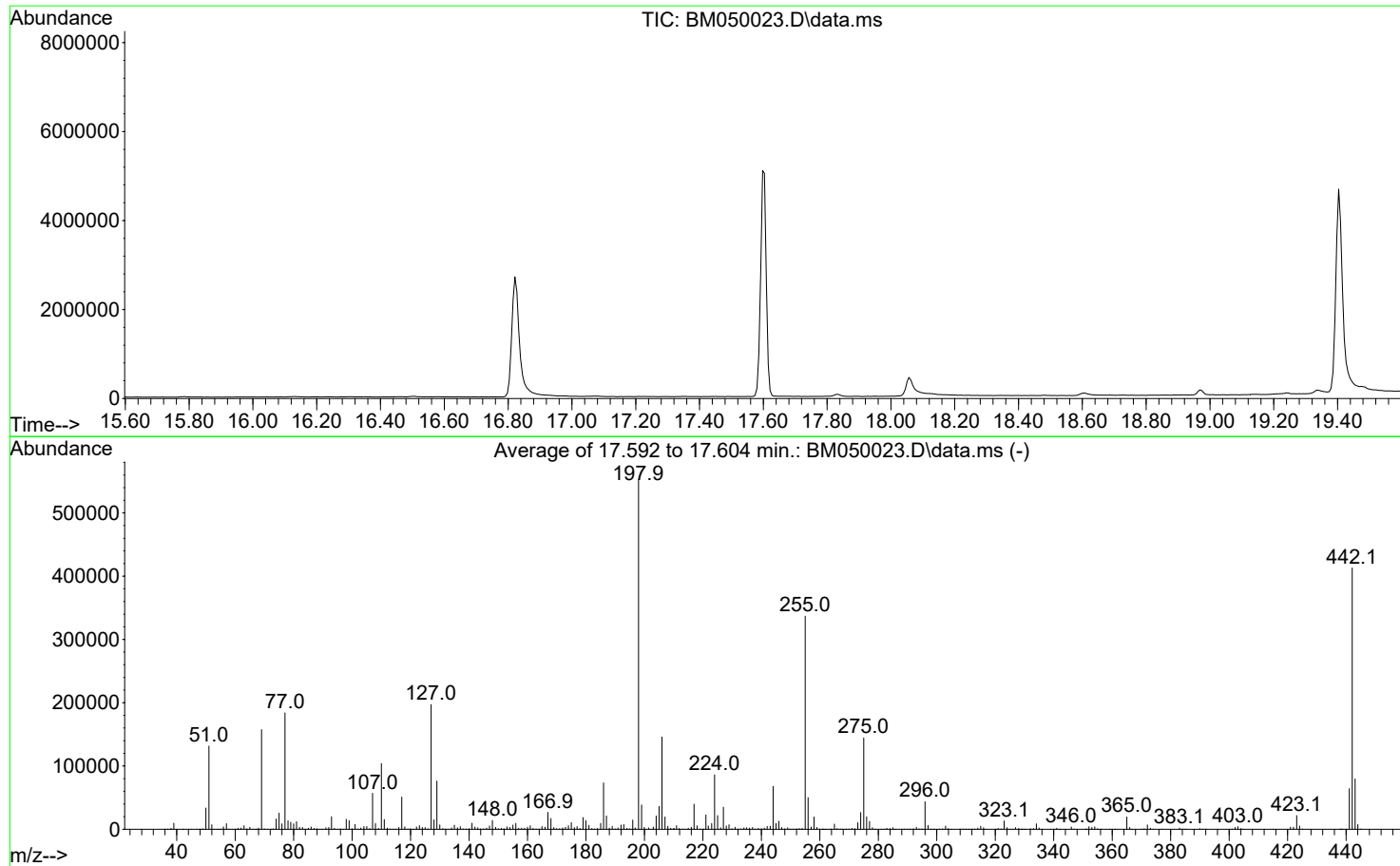
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	14.68
183.00	11.10	11.08
0.00	0.00	0.00

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

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

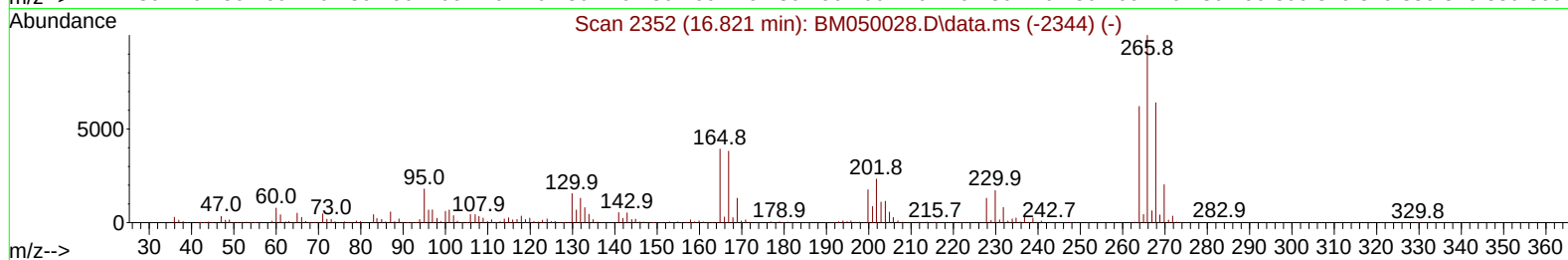
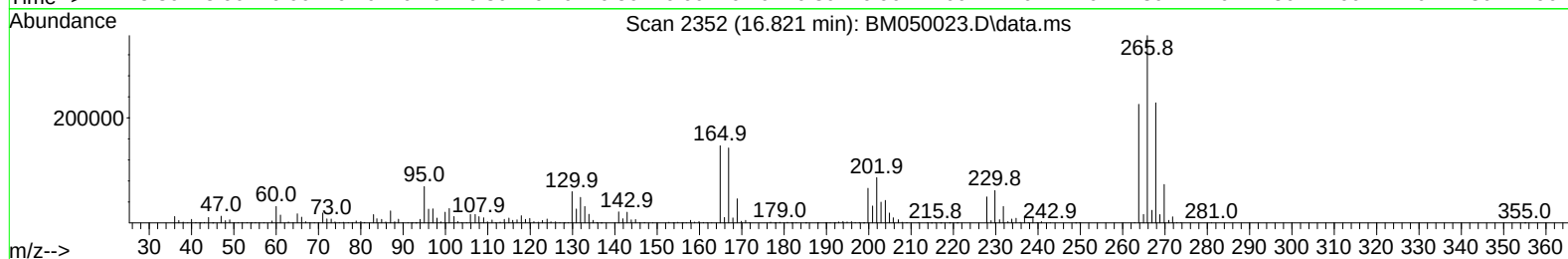
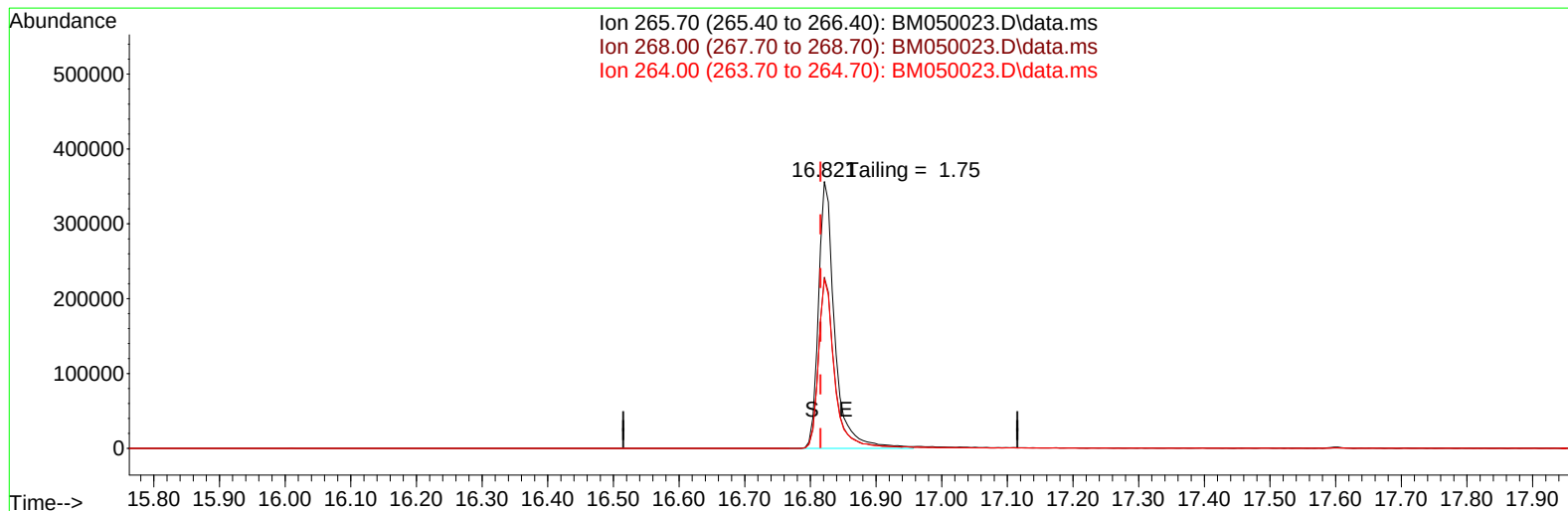
Date	Instrument Name	DFTPP Data File
4/28/2025	BNA_M	<u>BM050023.D</u>
Compound Name	Response	Retention Time
DDT	1978095	20.639
DDD	17600	20.251
DDE	1351	19.692
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
18951	1997046	0.95

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

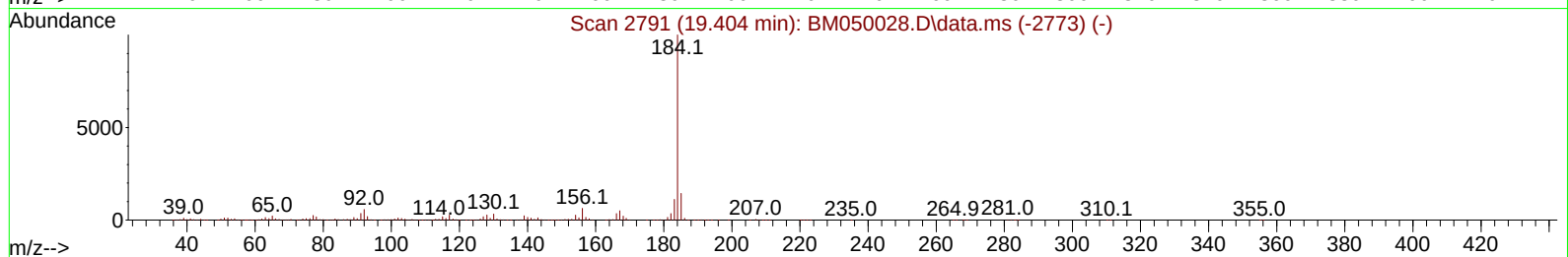
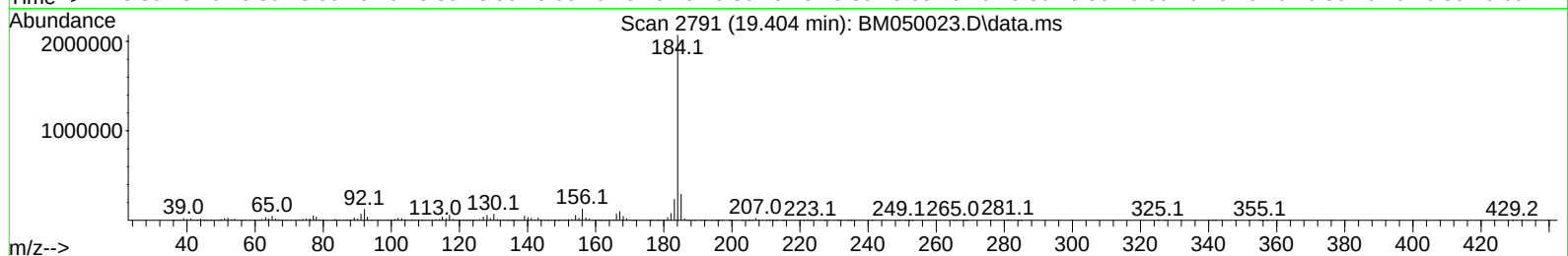
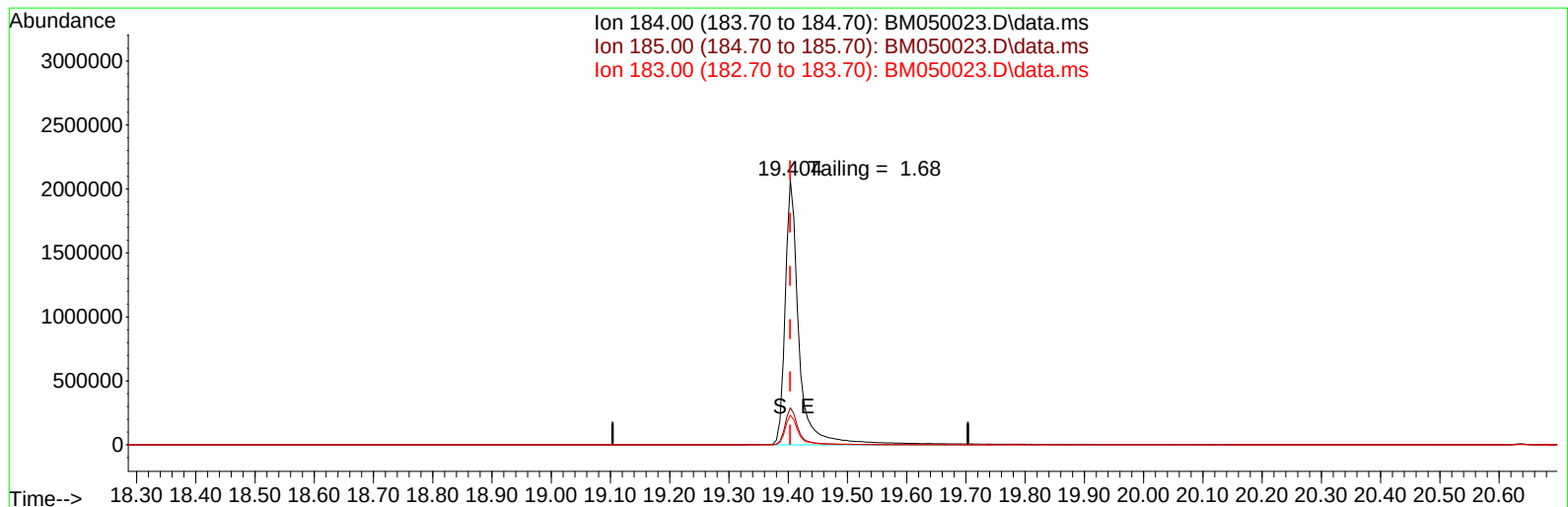
response 613835

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**

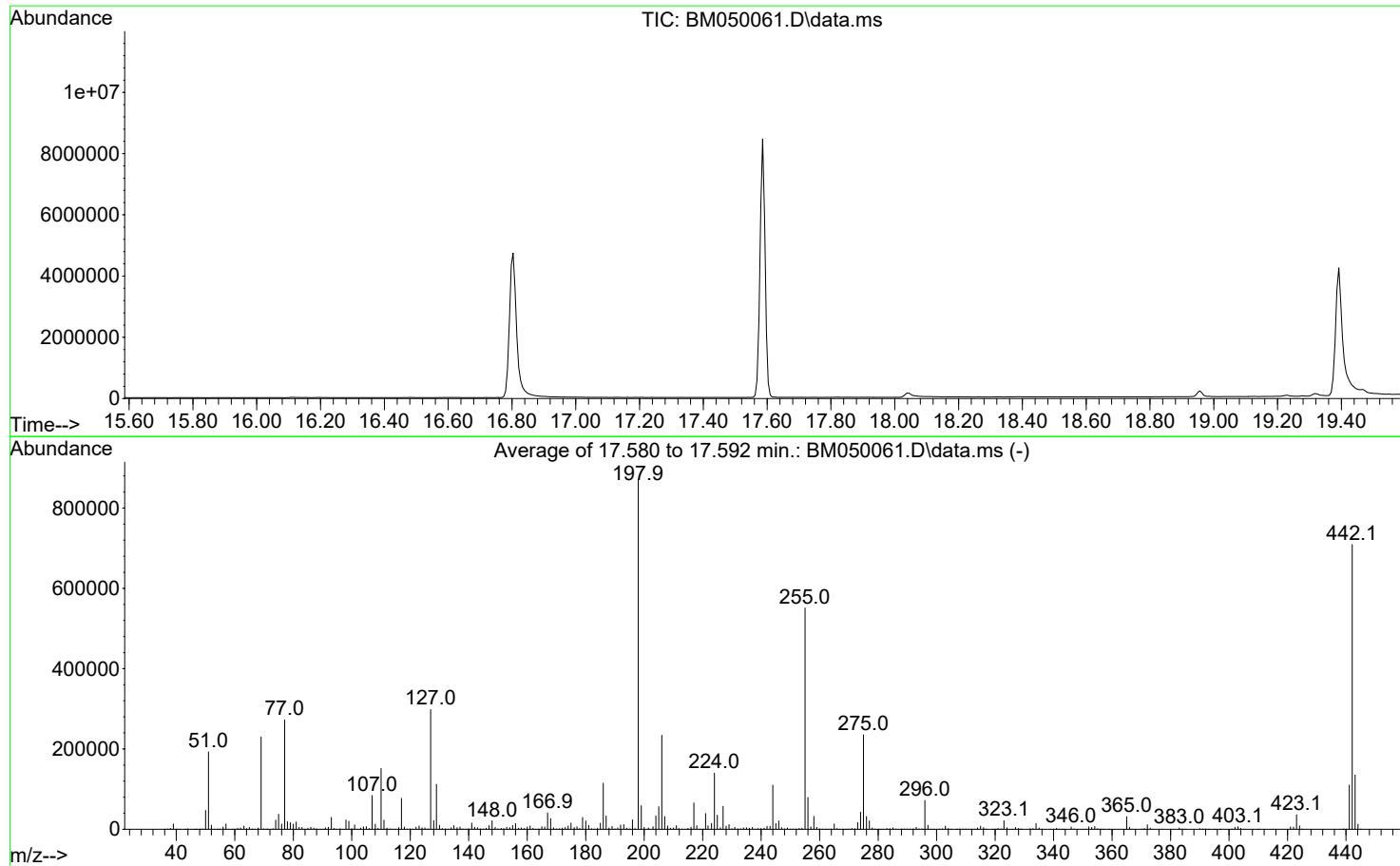
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.06
183.00	11.00	11.29
0.00	0.00	0.00

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

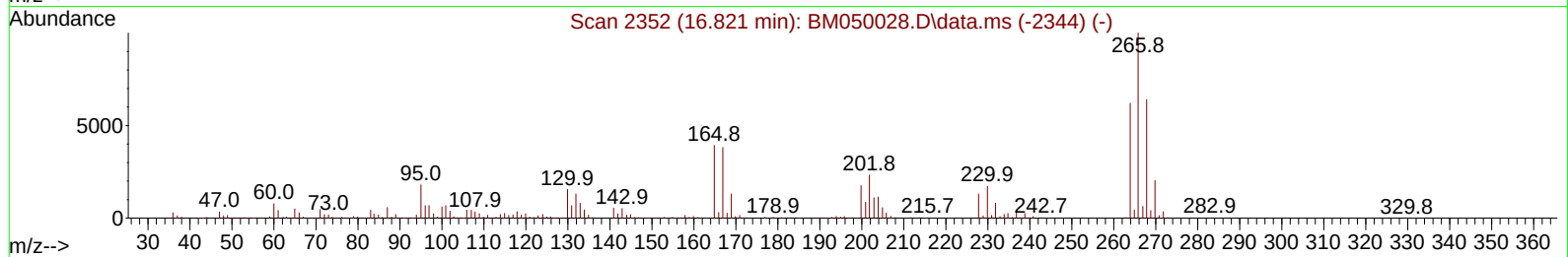
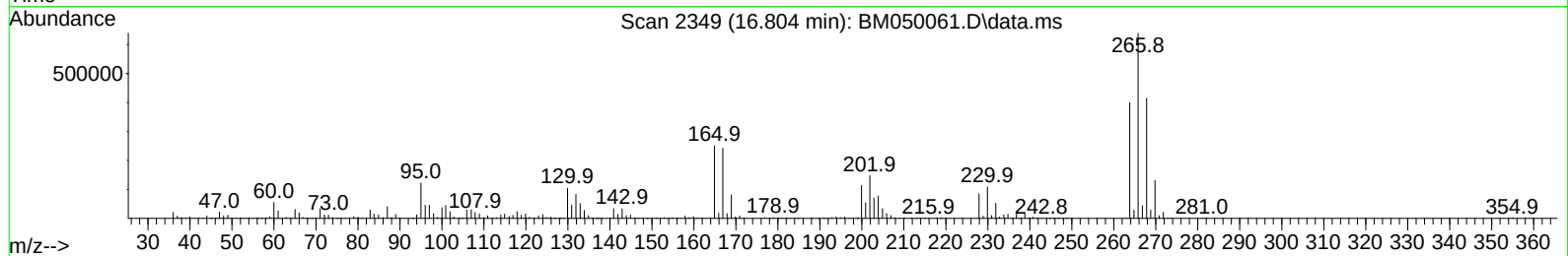
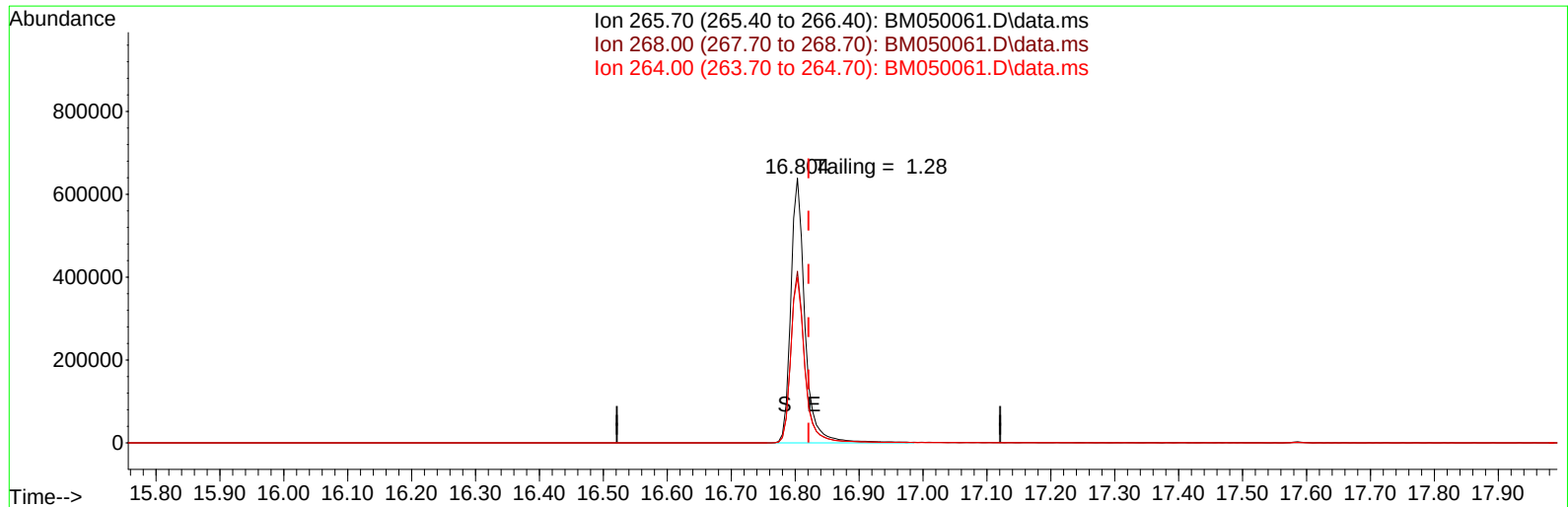
Date	Instrument Name	DFTPP Data File
5/1/2025	BNA_M	<u>BM050061.D</u>
Compound Name	Response	Retention Time
DDT	2747273	20.621
DDD	53335	20.186
DDE	3538	19.68
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
56873	2804146	2.03

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

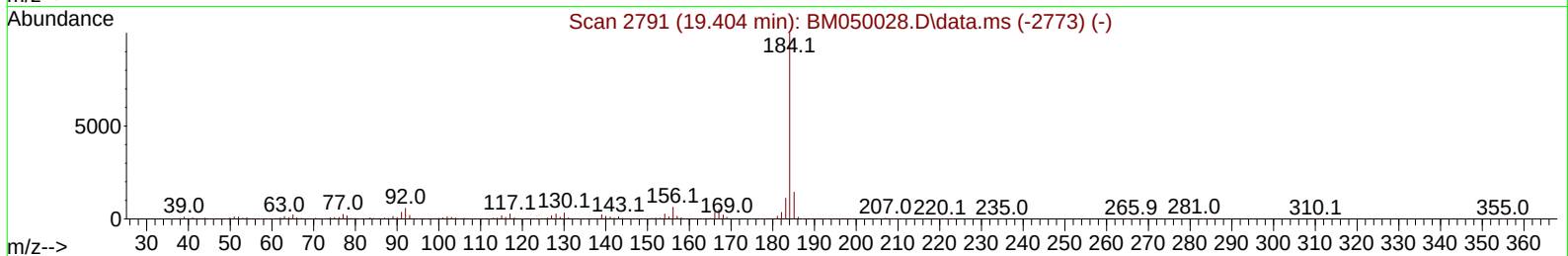
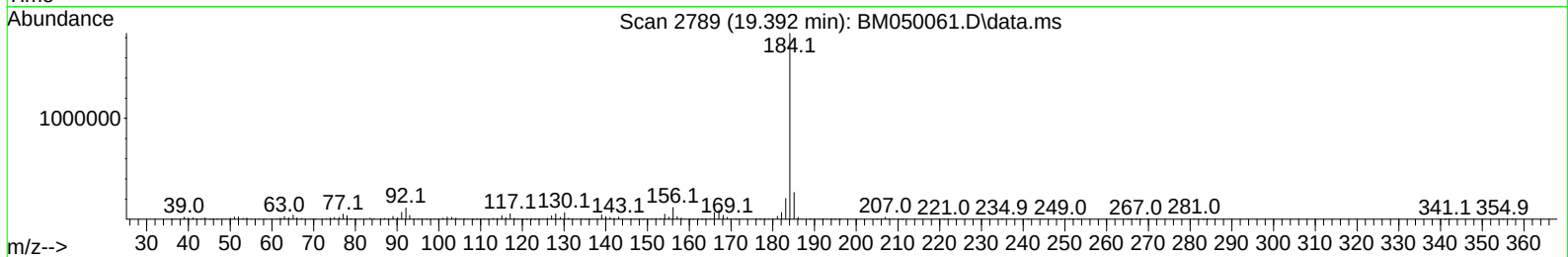
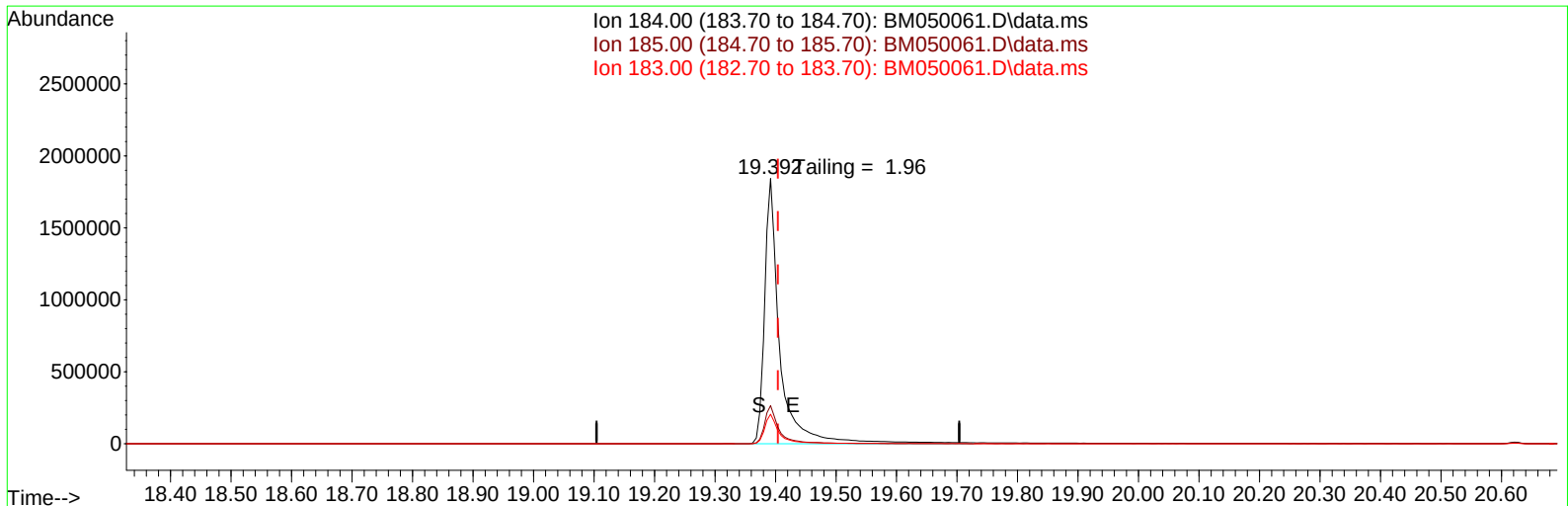
response 984778

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

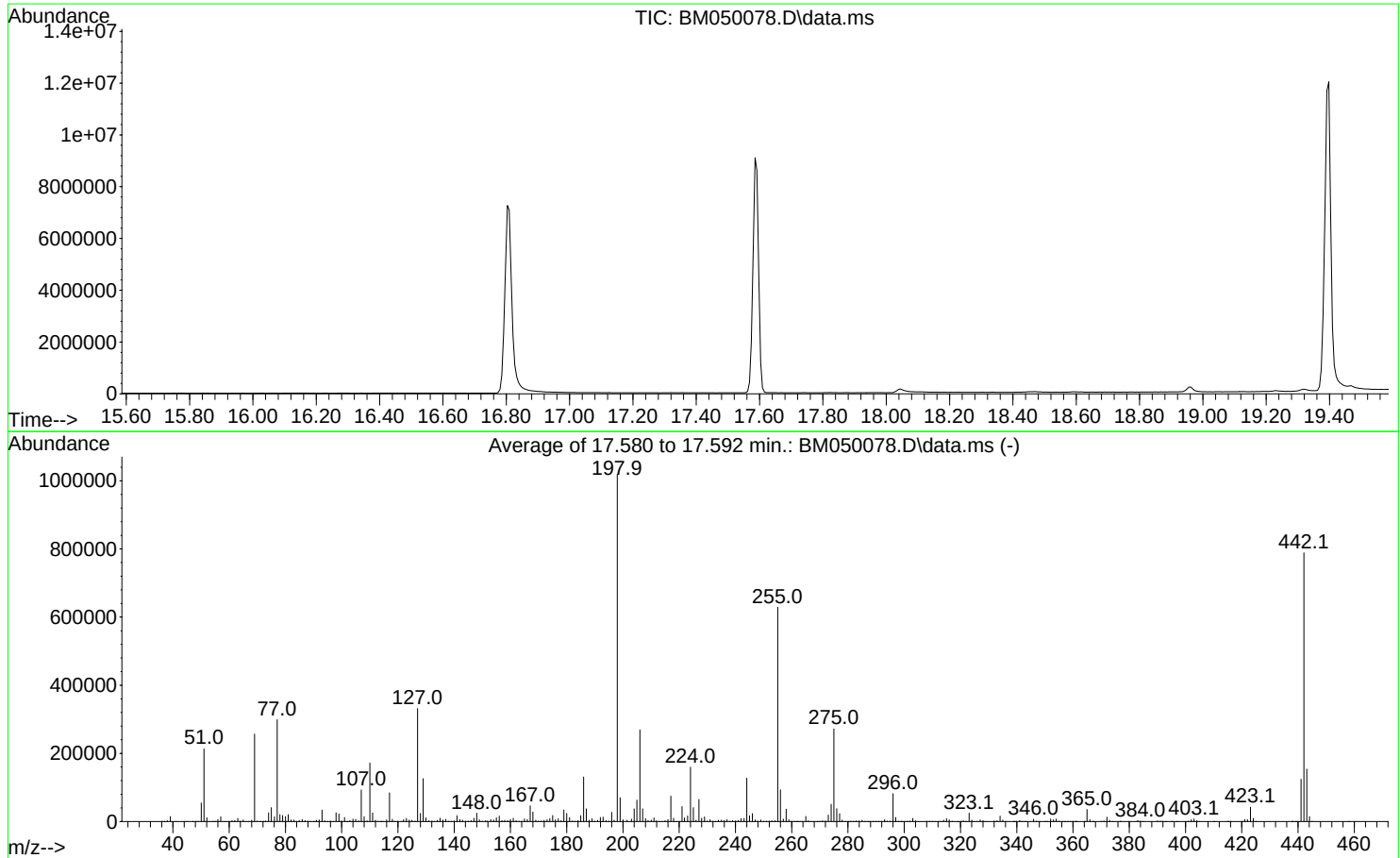
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.41
183.00	11.10	11.16
0.00	0.00	0.00

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 Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result 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

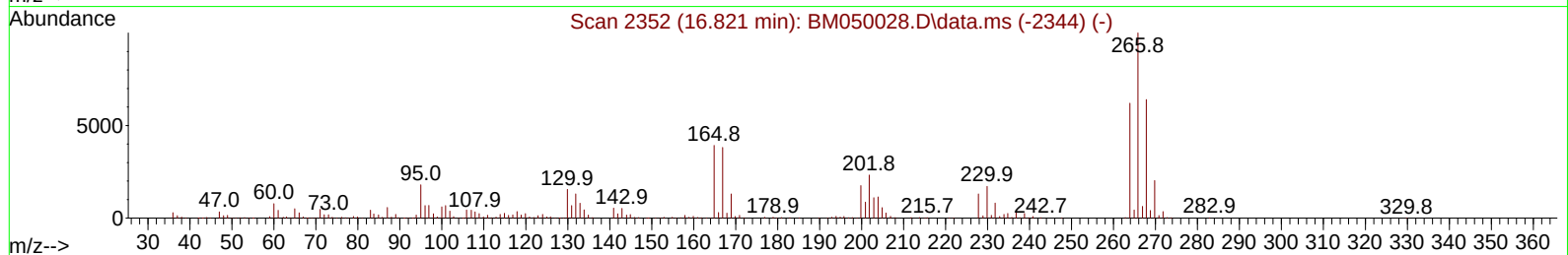
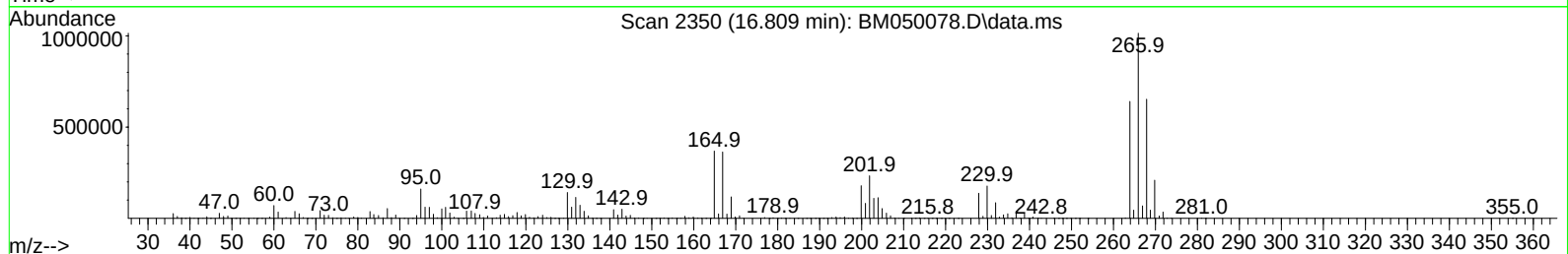
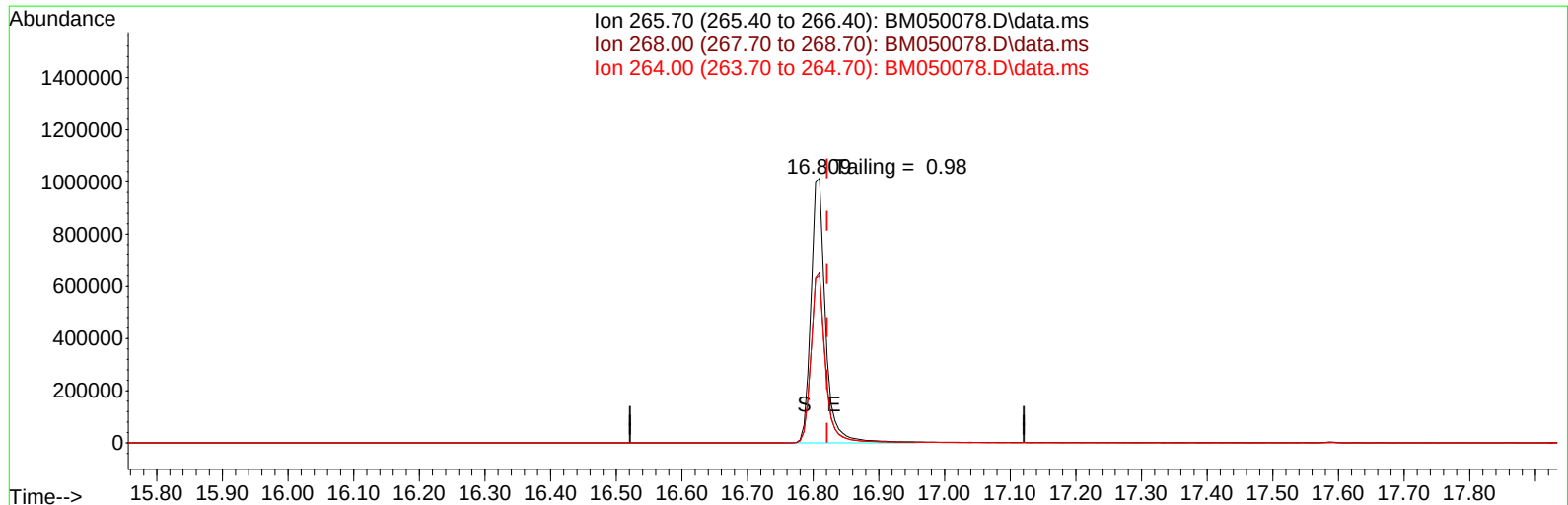
Date	Instrument Name	DFTPP Data File
5/2/2025	BNA_M	<u>BM050078.D</u>
Compound Name	Response	Retention Time
DDT	3643029	20.627
DDD	45893	20.233
DDE	2791	19.68
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
48684	3691713	1.32

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

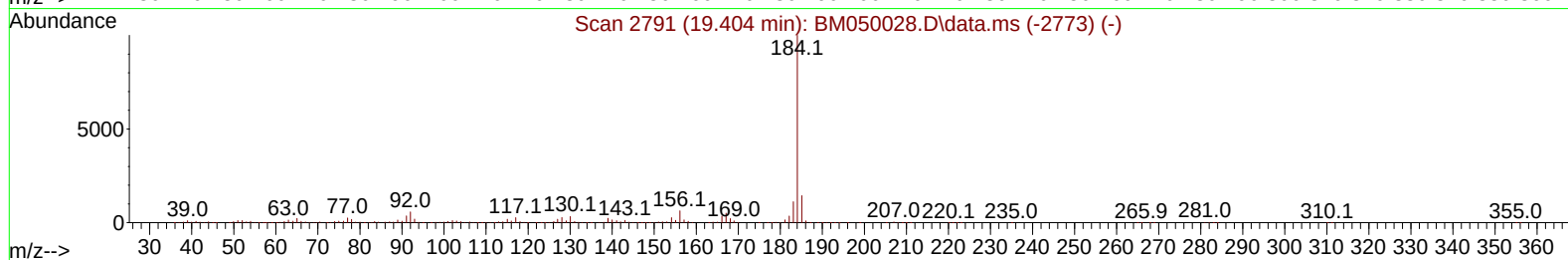
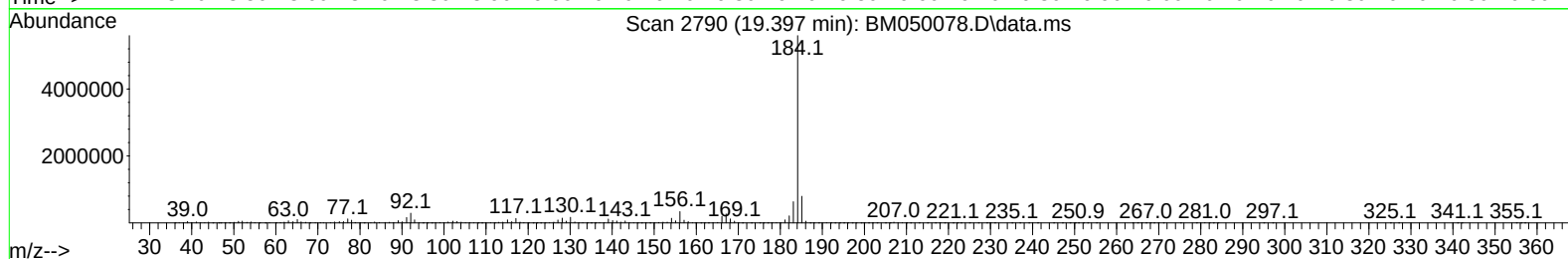
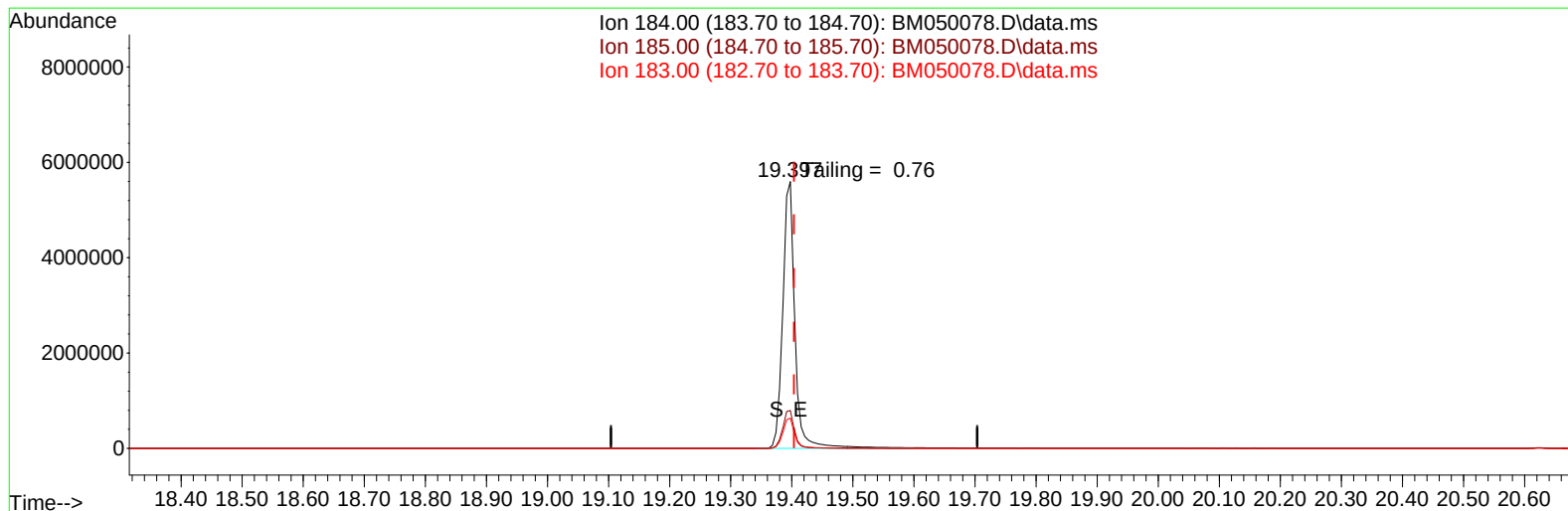
response 1566093

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

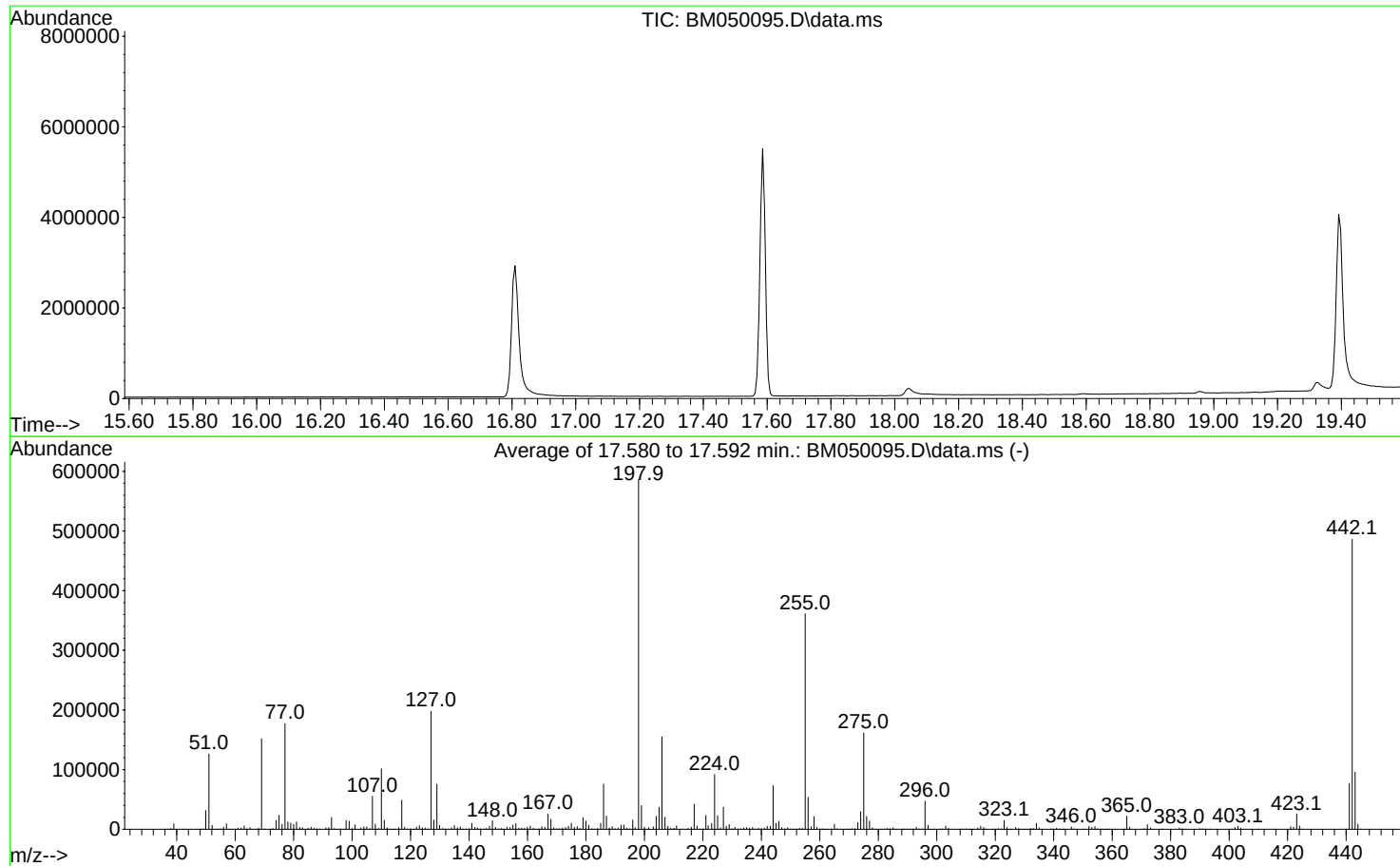
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.21
183.00	11.10	11.35
0.00	0.00	0.00

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

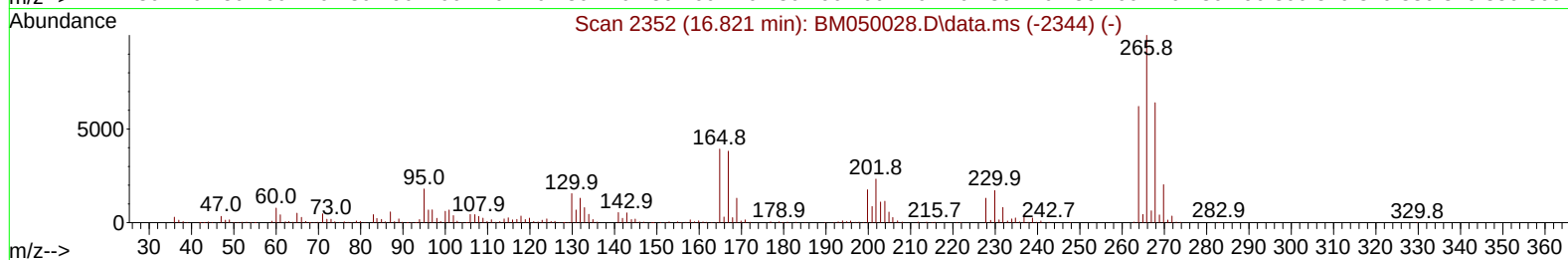
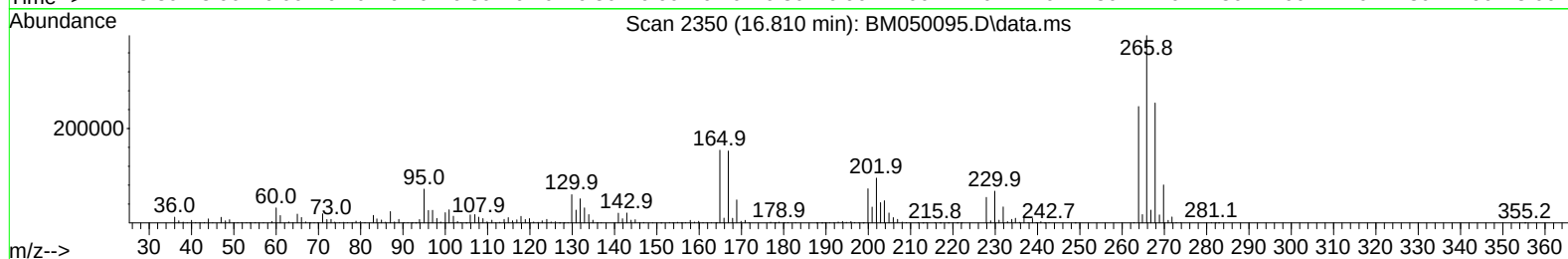
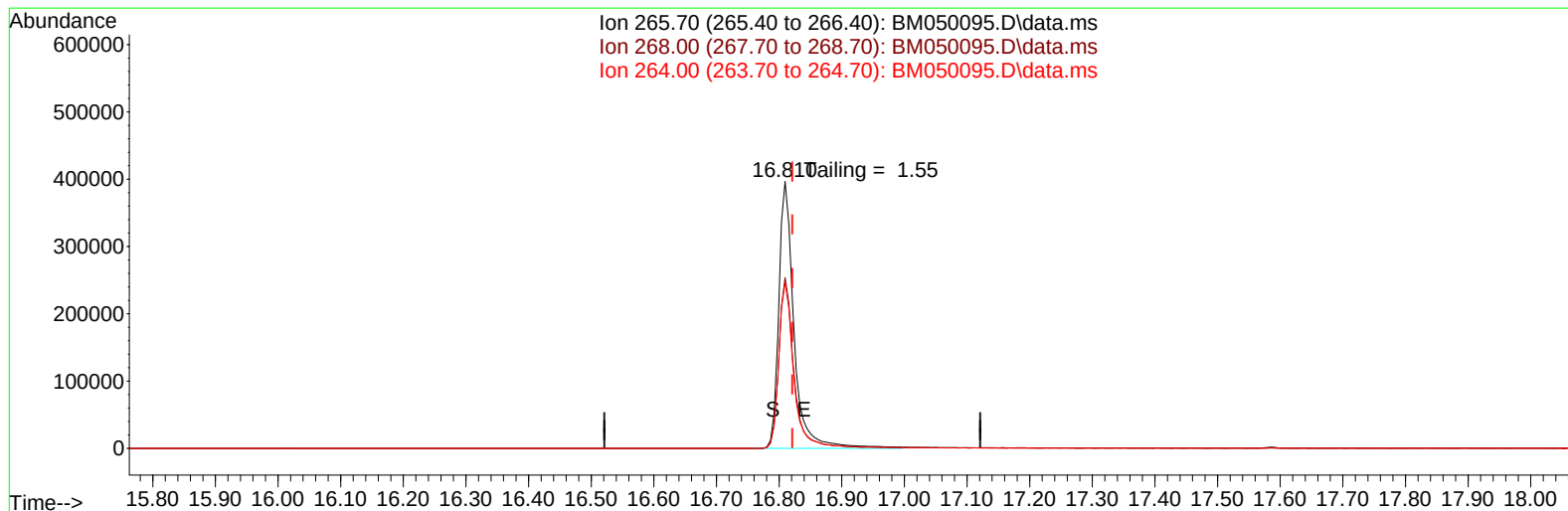
Date	Instrument Name	DFTPP Data File
5/5/2025	BNA_M	<u>BM050095.D</u>
Compound Name	Response	Retention Time
DDT	1857543	20.627
DDD	41765	20.192
DDE	2860	19.68
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
44625	1902168	2.35

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

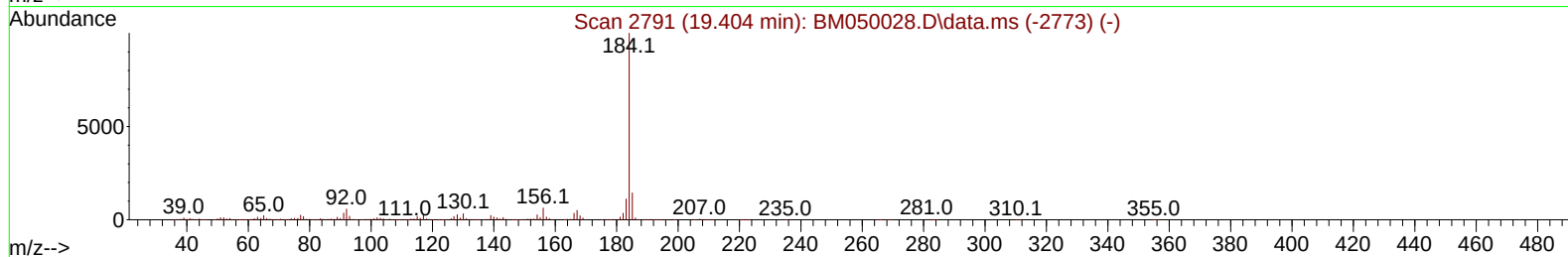
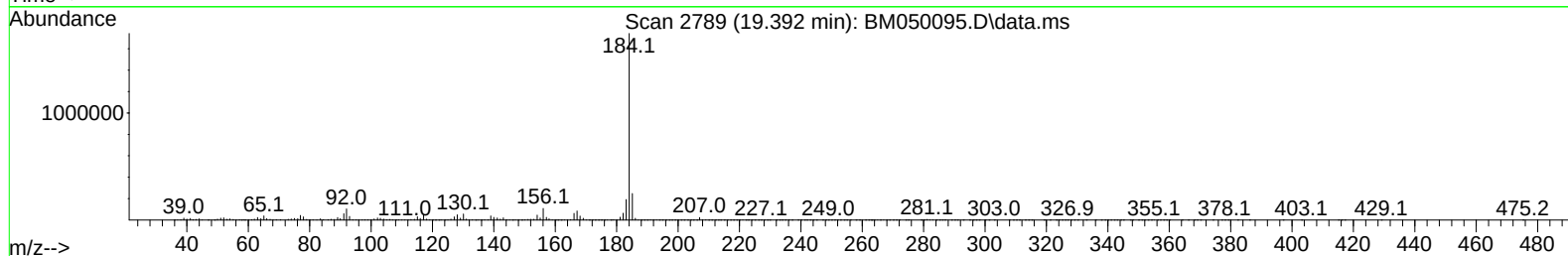
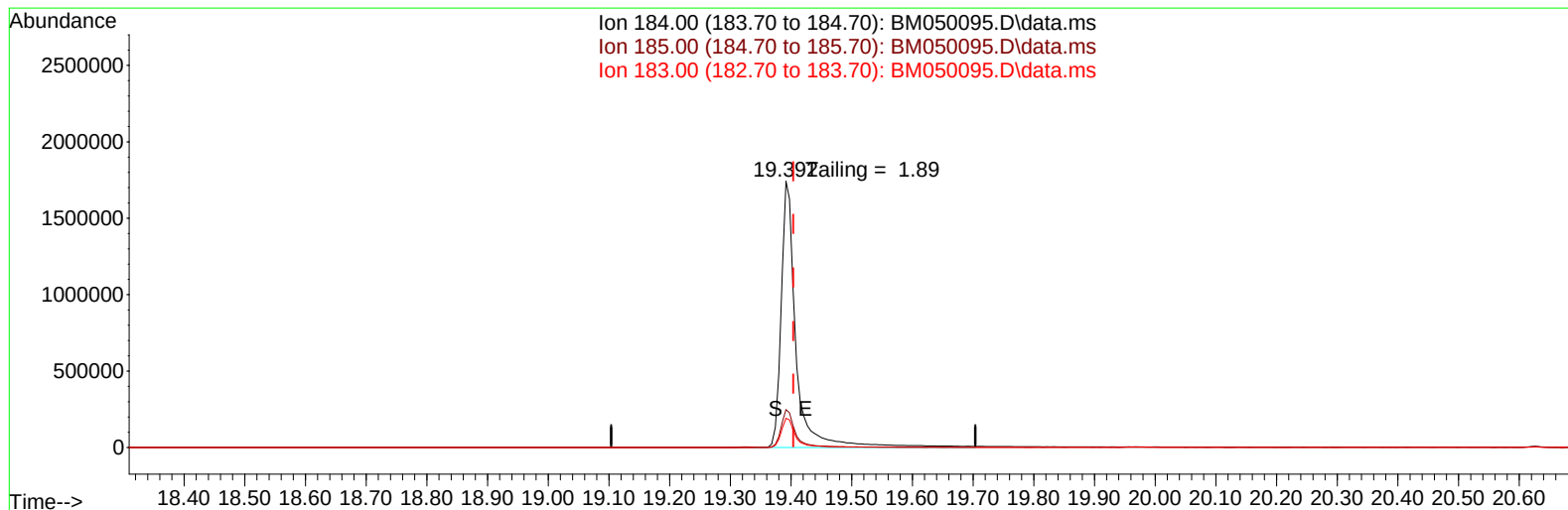
response 678757

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

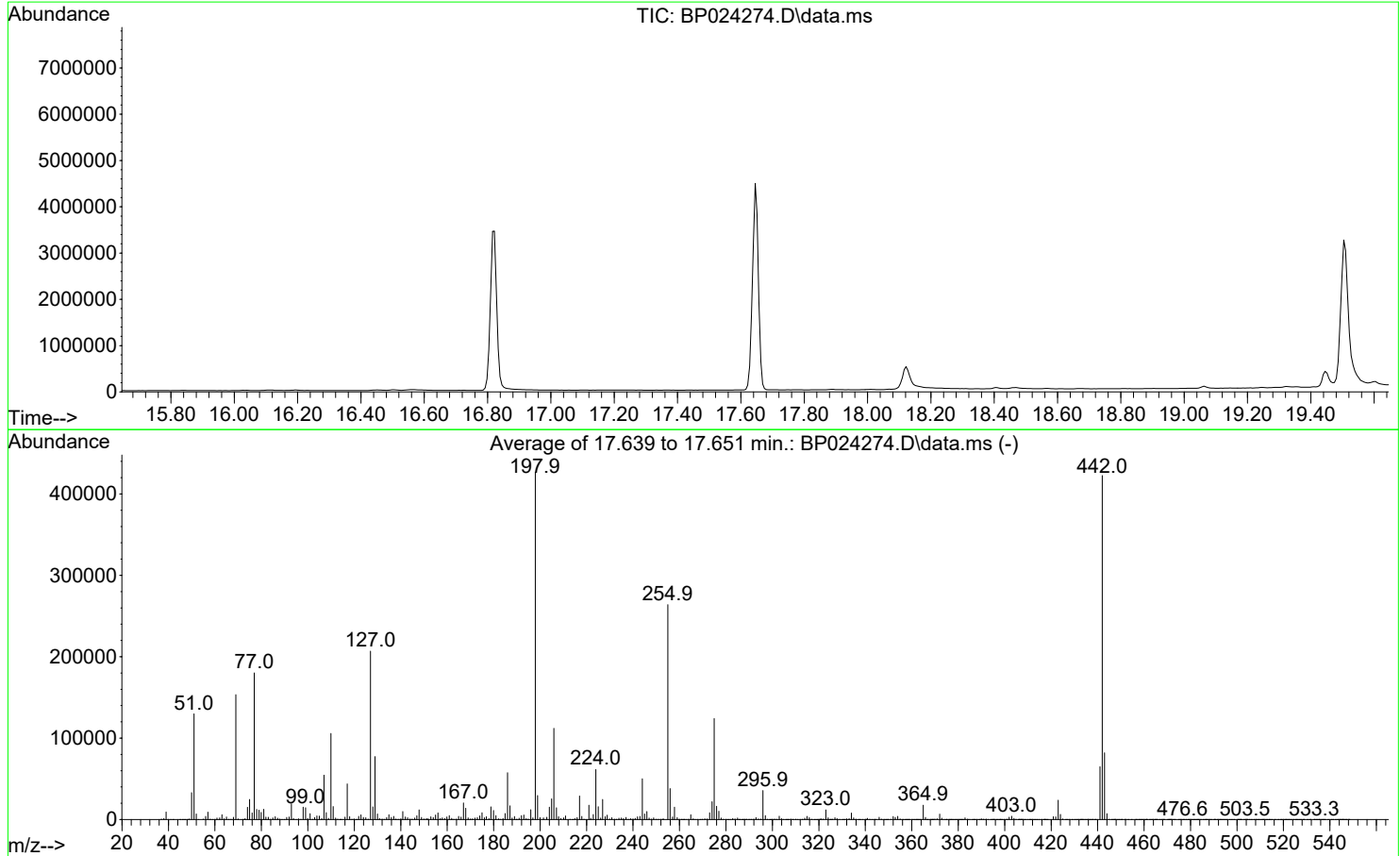
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.40	14.25
183.00	11.10	11.02
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Apr 15 04:48:42 2025



AutoFind: Scans 2474, 2475, 2476; Background Corrected with Scan 2463

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.4	129796	PASS
68	69	0.00	2	1.8	2815	PASS
69	198	0.00	100	36.0	153442	PASS
70	69	0.00	2	0.5	836	PASS
127	198	10	80	48.5	206858	PASS
197	198	0.00	2	0.5	2122	PASS
198	198	100	100	100.0	426527	PASS
199	198	5	9	6.9	29549	PASS
275	198	10	60	29.1	124199	PASS
365	198	1	100	4.1	17663	PASS
441	198	0.01	100	15.2	64862	PASS
442	442	100	100	100.0	422528	PASS
443	442	15	24	19.4	82090	PASS

DDT Breakdown

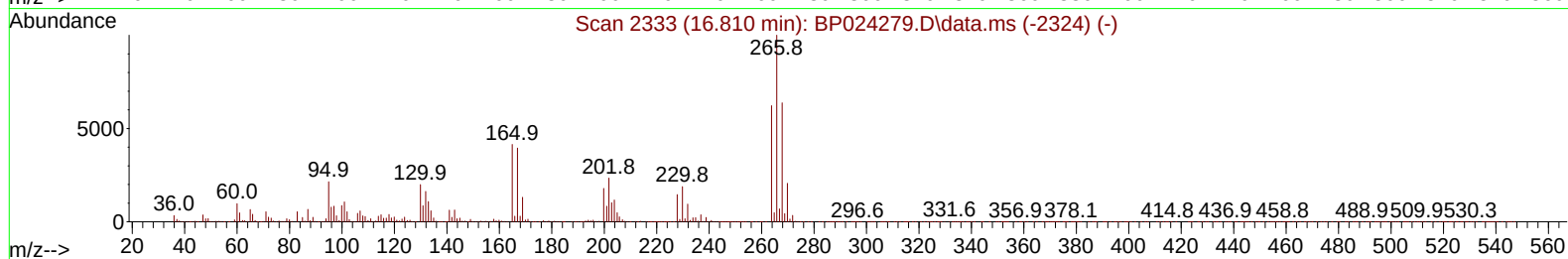
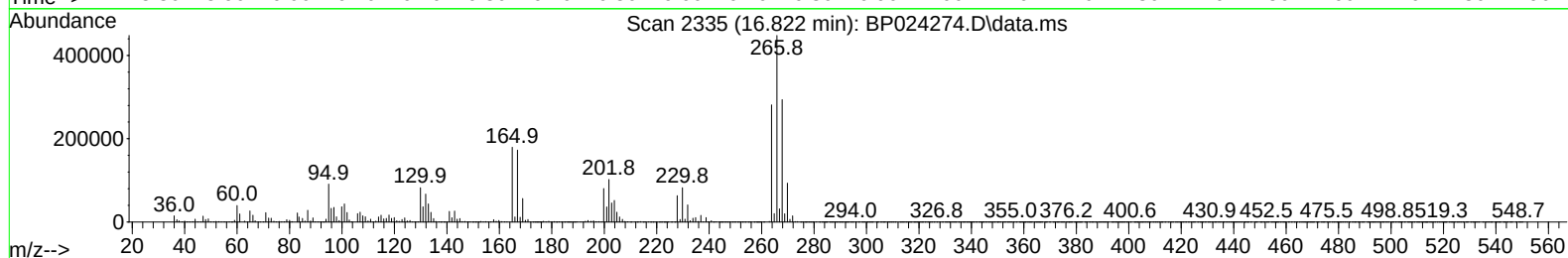
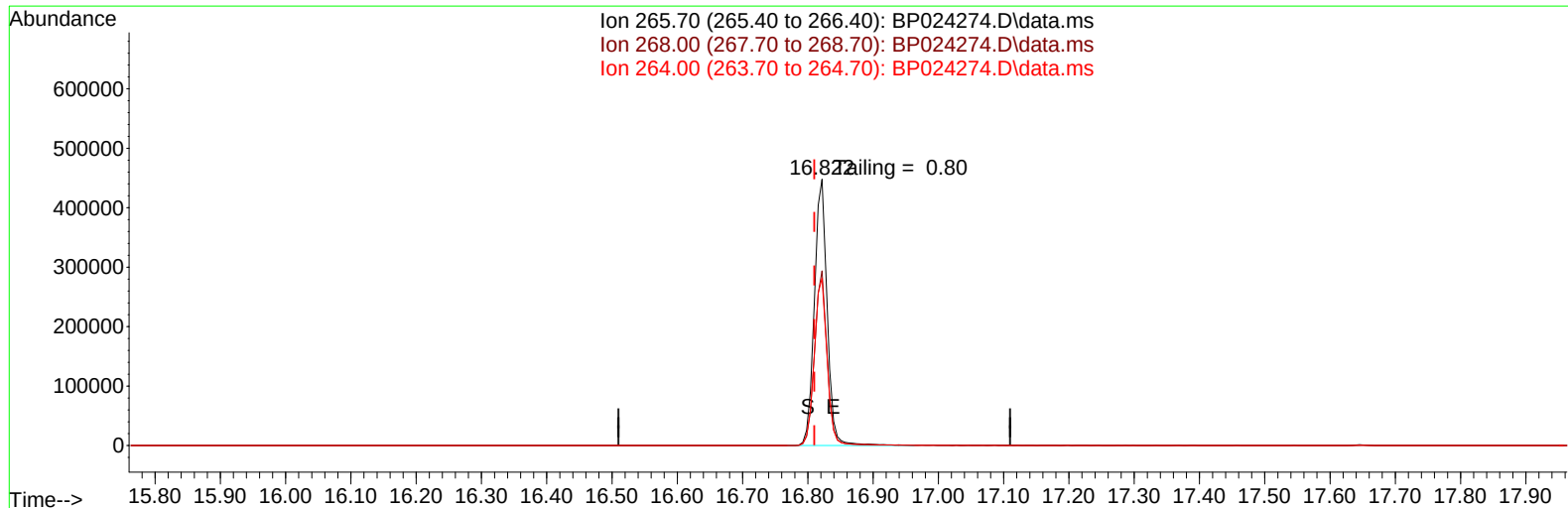
Date	Instrument Name	DFTPP Data File
4/14/2025	BNA_P	<u>BP024274.D</u>
Compound Name	Response	Retention Time
DDT	1715151	20.798
DDD	26002	20.386
DDE	1572	19.81
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
27574	1742725	1.58

Instrument :
BNA_P
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 14 15:07:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 15:04:09 2025
Response via : Initial Calibration



TIC: BP024274.D\data.ms

(70) Pentachlorophenol (C)

16.822min (+ 0.012) 3117222.42 ng

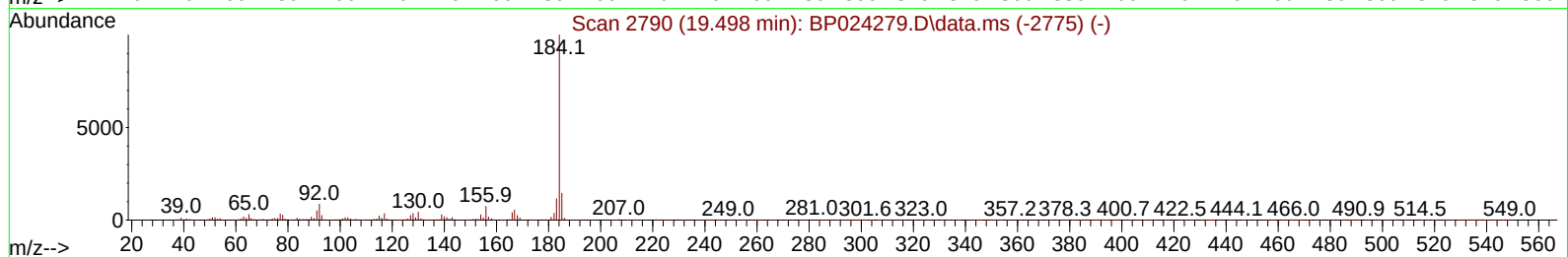
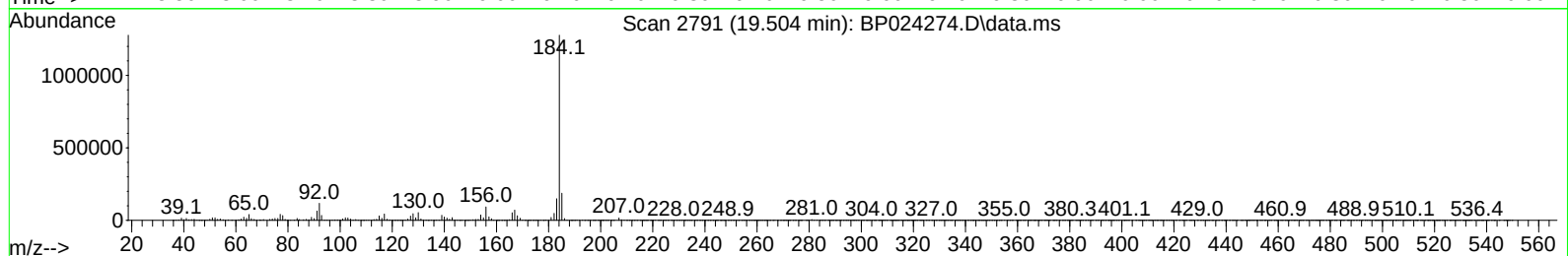
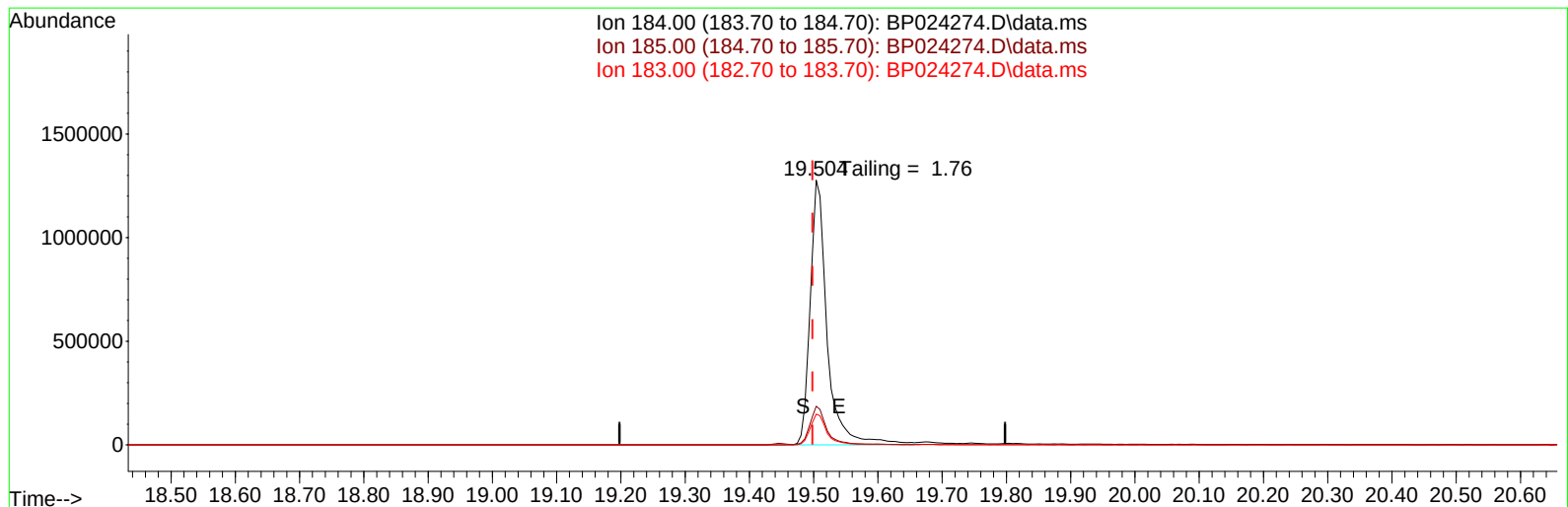
response 611847

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	65.61
264.00	62.20	62.81
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP041425\
Data File : BP024274.D
Acq On : 14 Apr 2025 10:25
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: Apr 14 15:07:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 14 15:04:09 2025
Response via : Initial Calibration



TIC: BP024274.D\data.ms

(77) Benzidine

19.504min (+ 0.006) 7415471.13 ng

response 2354373

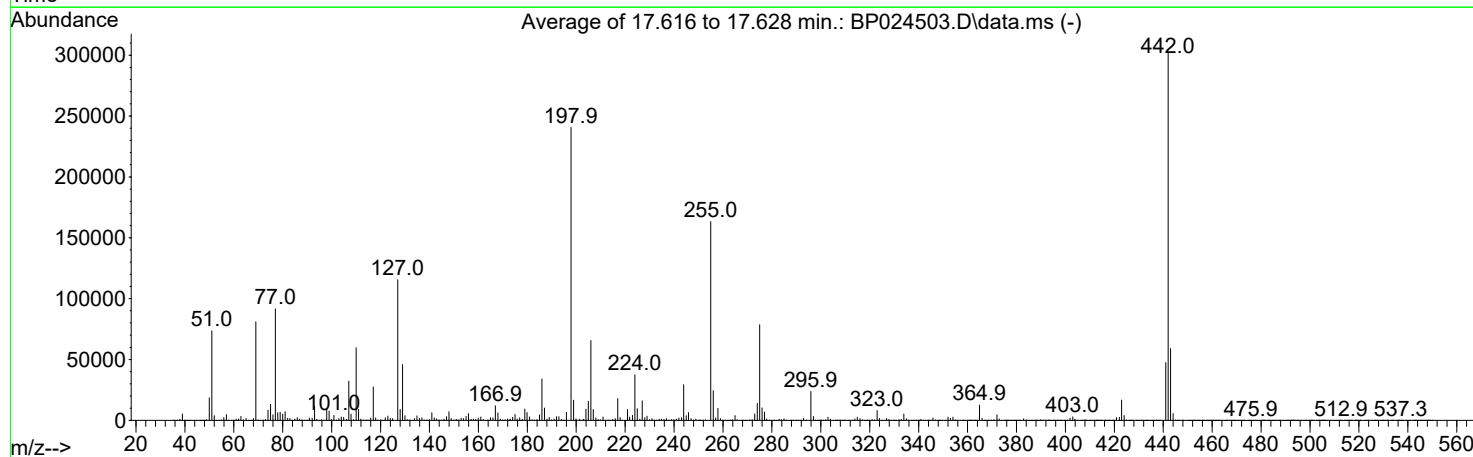
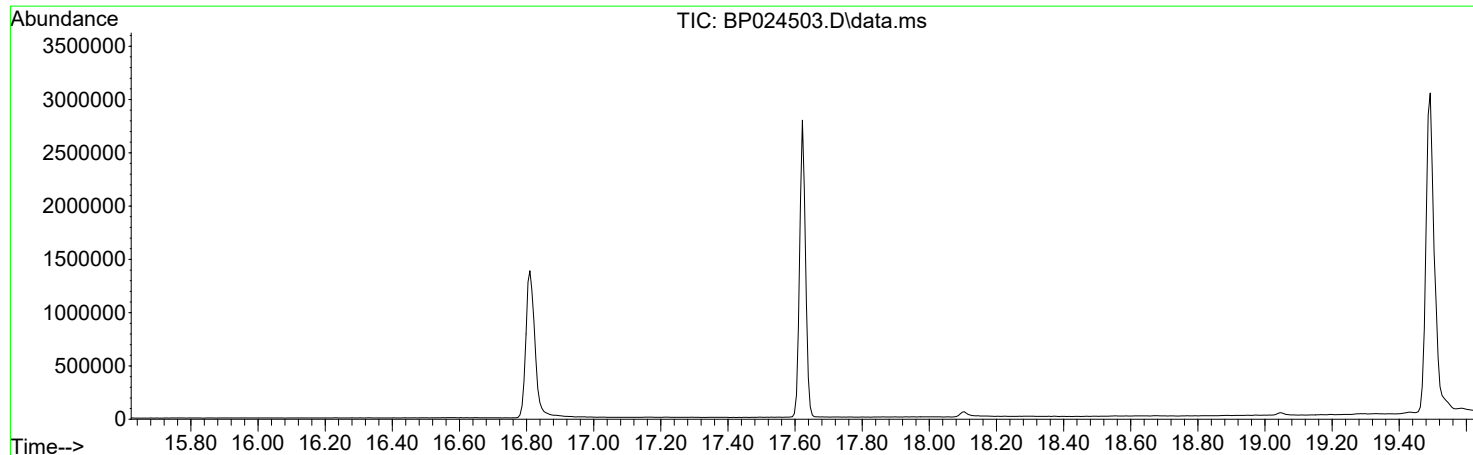
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	14.60
183.00	11.50	11.64
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050225\
Data File : BP024503.D
Acq On : 02 May 2025 10:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Apr 18 12:04:48 2025



AutoFind: Scans 2470, 2471, 2472; Background Corrected with Scan 2461

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	30.6	73567	PASS
68	69	0.00	2	1.8	1492	PASS
69	198	0.00	100	33.6	80914	PASS
70	69	0.00	2	0.5	423	PASS
127	198	10	80	48.0	115613	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	240640	PASS
199	198	5	9	6.9	16608	PASS
275	198	10	60	32.7	78648	PASS
365	198	1	100	5.2	12516	PASS
441	198	0.01	100	19.7	47454	PASS
442	442	100	100	100.0	302205	PASS
443	442	15	24	19.5	58966	PASS

DDT Breakdown

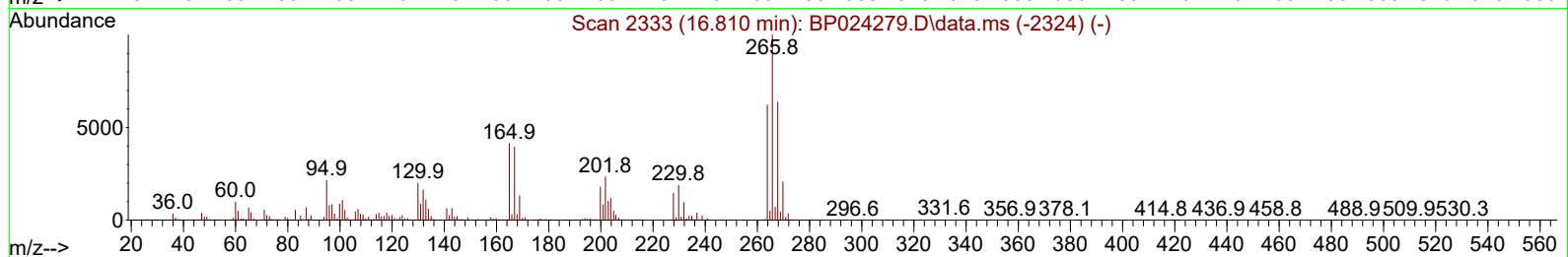
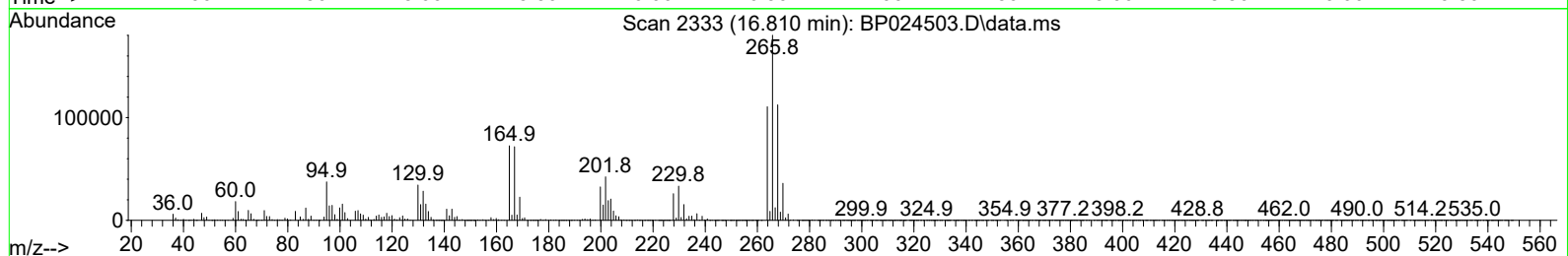
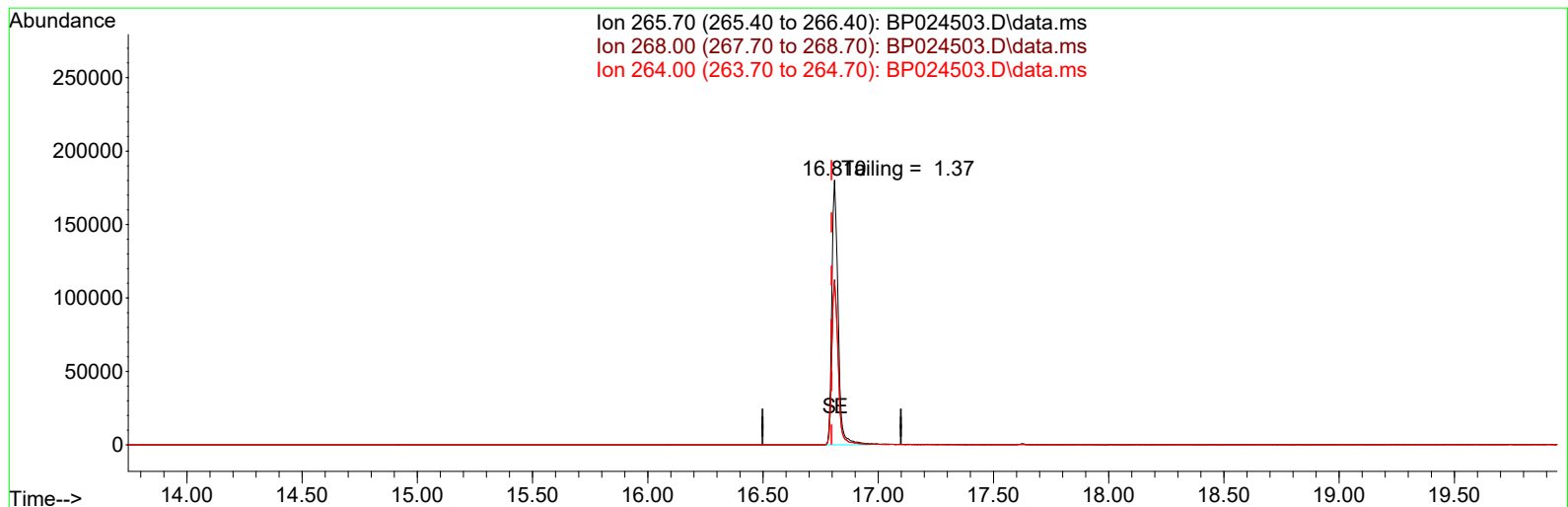
Date	Instrument Name	DFTPP Data File
5/2/2025	BNA_P	<u>BP024503.D</u>
Compound Name	Response	Retention Time
DDT	933214	20.786
DDD	18421	20.316
DDE	1625	19.786
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
20046	953260	2.10

Instrument :
BNA_P
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050225\
Data File : BP024503.D
Acq On : 02 May 2025 10:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 03 06:17:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



TIC: BP024503.D\data.ms

(70) Pentachlorophenol (C)

16.810min (+ 0.012) 32777.46 ng m

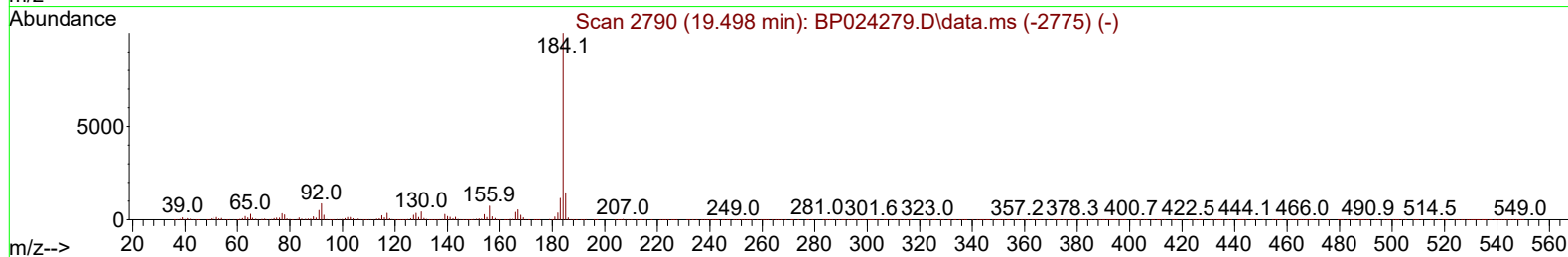
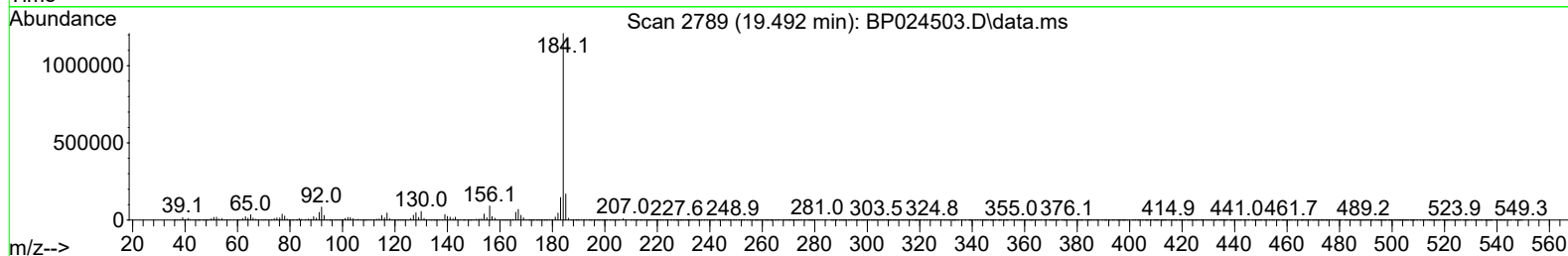
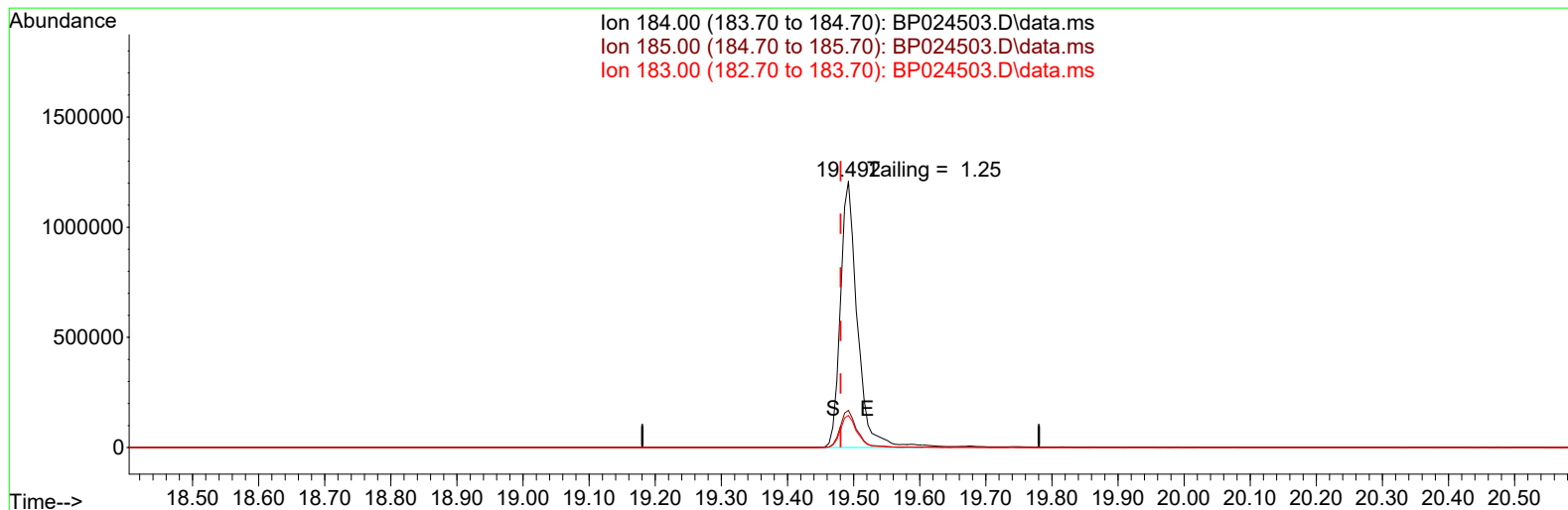
response 339964

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.80	62.35
264.00	62.20	61.37
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP050225\
Data File : BP024503.D
Acq On : 02 May 2025 10:47
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
DFTPP

Quant Time: May 03 06:17:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP041425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 18 12:04:48 2025
Response via : Initial Calibration



TIC: BP024503.D\data.ms

(77) Benzidine

19.492min (+ 0.012) 40497.92 ng

response 2137057

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.50	13.97
183.00	11.50	12.09
0.00	0.00	0.00

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	PB167798BL	SDG No.:	Q1914
Lab Sample ID:	PB167798BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142251.D	1	04/30/25 08:35	05/01/25 10:45	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	5.00	U	0.50	5.00	ug/L
208-96-8	Acenaphthylene	5.00	U	0.75	5.00	ug/L
83-32-9	Acenaphthene	5.00	U	0.55	5.00	ug/L
86-73-7	Fluorene	5.00	U	0.63	5.00	ug/L
85-01-8	Phenanthrene	5.00	U	0.50	5.00	ug/L
120-12-7	Anthracene	5.00	U	0.61	5.00	ug/L
206-44-0	Fluoranthene	5.00	U	0.82	5.00	ug/L
129-00-0	Pyrene	5.00	U	0.50	5.00	ug/L
56-55-3	Benzo(a)anthracene	5.00	U	0.45	5.00	ug/L
218-01-9	Chrysene	5.00	U	0.44	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	5.00	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	5.00	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	5.00	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	5.00	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	5.00	U	0.69	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	80.3		49 - 133	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	70.4		52 - 132	70%	SPK: 100
1718-51-0	Terphenyl-d14	64.3		48 - 125	64%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	228000	6.904			
1146-65-2	Naphthalene-d8	877000	8.187			
15067-26-2	Acenaphthene-d10	467000	9.945			
1517-22-2	Phenanthrene-d10	827000	11.428			
1719-03-5	Chrysene-d12	587000	14.069			
1520-96-3	Perylene-d12	407000	15.563			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	PB167798BL	SDG No.:	Q1914
Lab Sample ID:	PB167798BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142251.D	1	04/30/25 08:35	05/01/25 10:45	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142251.D
Acq On : 01 May 2025 10:45
Operator : RC/JU
Sample : PB167798BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167798BL

Quant Time: May 01 11:47:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	227901	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	877397	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	467254	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	826787	20.000	ng	0.00
76) Chrysene-d12	14.069	240	587490	20.000	ng	0.00
86) Perylene-d12	15.563	264	406867	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1618858	113.445	ng	0.01
7) Phenol-d6	6.522	99	1952554	113.309	ng	0.00
23) Nitrobenzene-d5	7.469	82	1072746	80.325	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	504593	118.458	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2332756	70.392	ng	0.00
79) Terphenyl-d14	13.022	244	2599136	64.345	ng	0.00

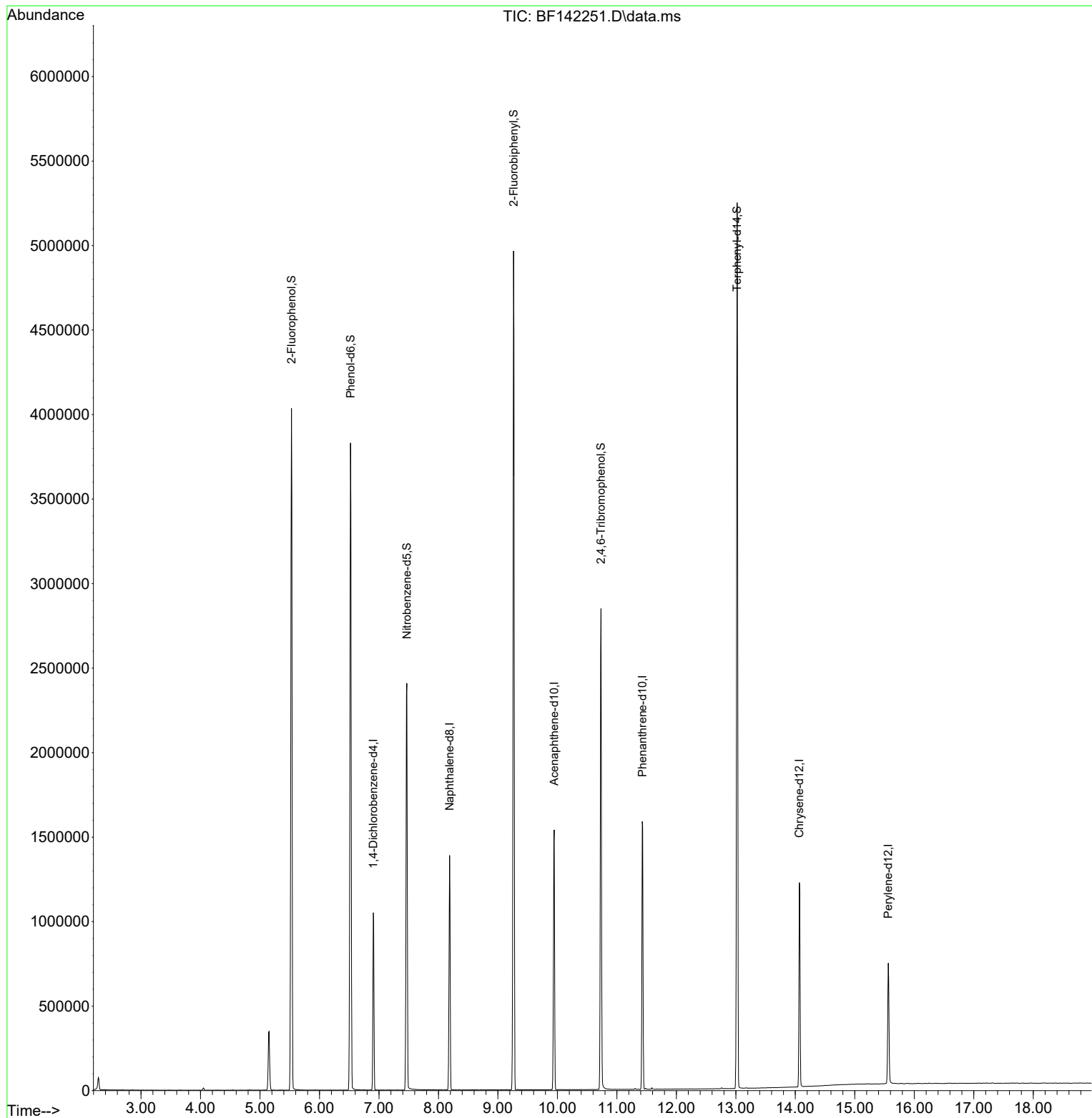
Target Compounds	Qvalue

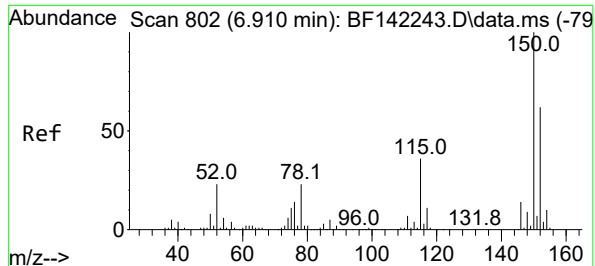
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
Data File : BF142251.D
Acq On : 01 May 2025 10:45
Operator : RC/JU
Sample : PB167798BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167798BL

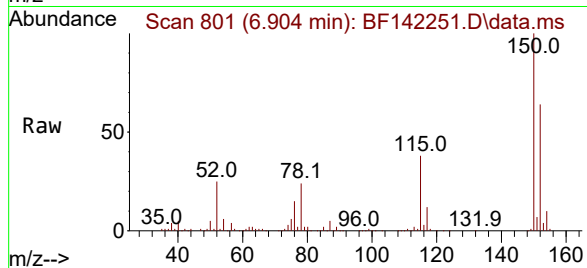
Quant Time: May 01 11:47:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



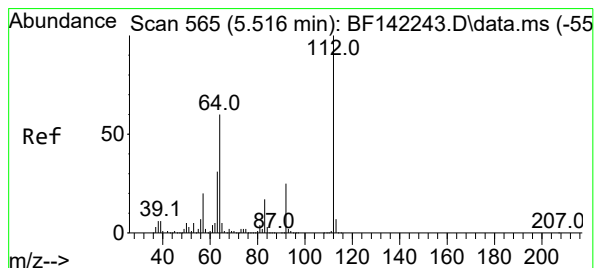
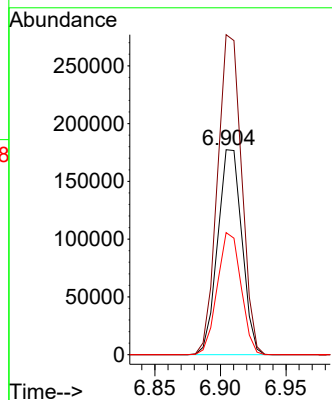
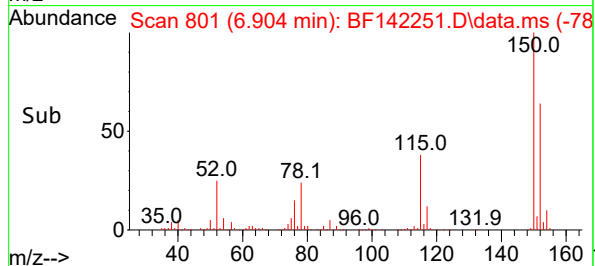


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.006 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

Instrument :
BNA_F
ClientSampleId :
PB167798BL

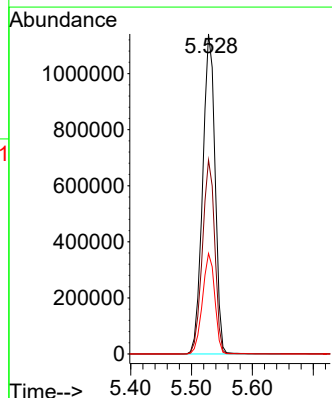
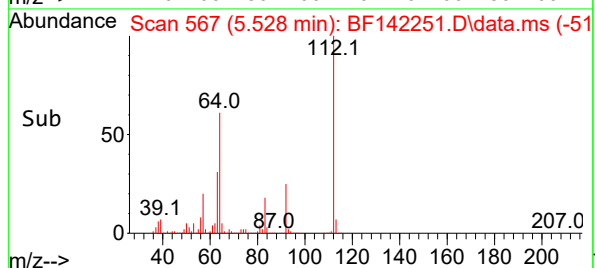
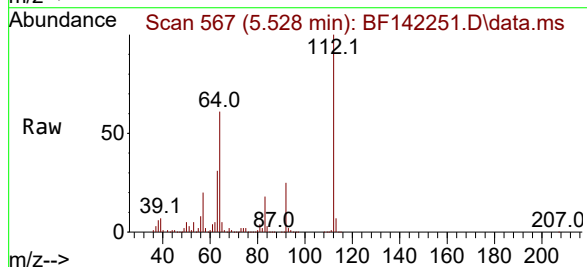


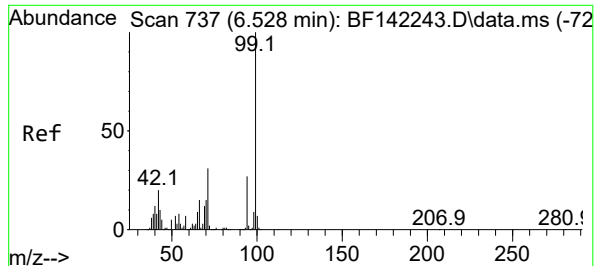
Tgt Ion:152 Resp: 227901
Ion Ratio Lower Upper
152 100
150 156.2 130.2 195.2
115 59.6 47.0 70.4



#5
2-Fluorophenol
Concen: 113.445 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.012 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

Tgt Ion:112 Resp: 1618858
Ion Ratio Lower Upper
112 100
64 60.6 48.4 72.6
63 31.4 24.8 37.2

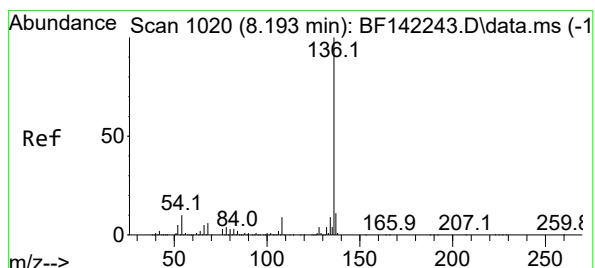
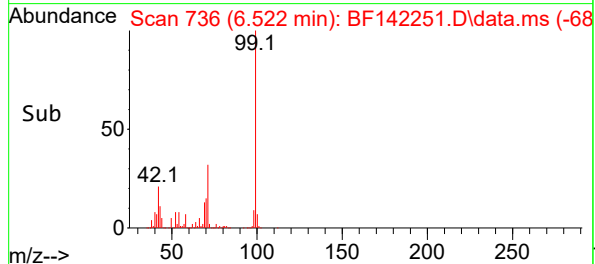
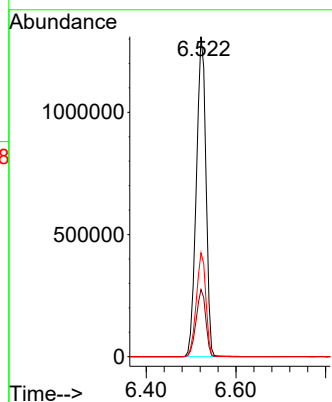
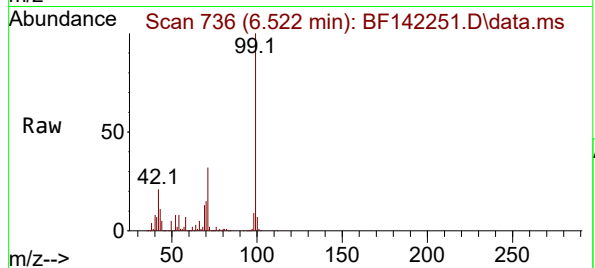




#7
Phenol-d6
Concen: 113.309 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

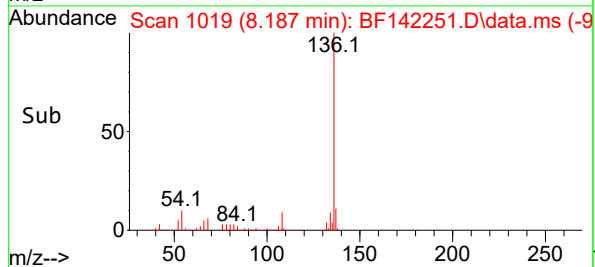
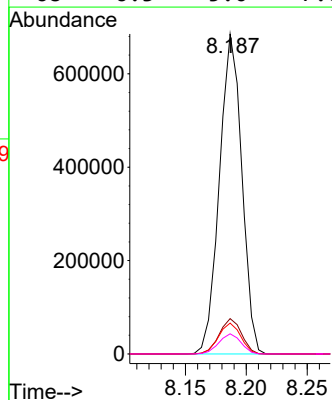
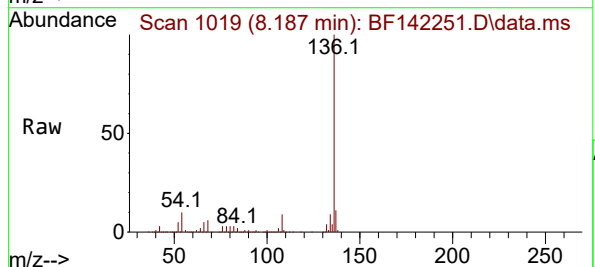
Instrument :
BNA_F
ClientSampleId :
PB167798BL

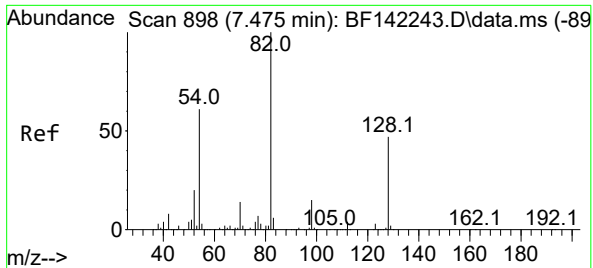
Tgt Ion: 99 Resp: 1952554
Ion Ratio Lower Upper
99 100
42 21.0 16.3 24.5
71 32.4 25.0 37.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

Tgt Ion: 136 Resp: 877397
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 9.7 7.7 11.5
68 6.3 5.0 7.6





#23

Nitrobenzene-d5

Concen: 80.325 ng

RT: 7.469 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142251.D

Acq: 01 May 2025 10:45

Instrument :

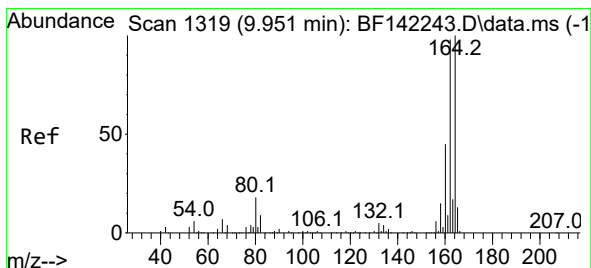
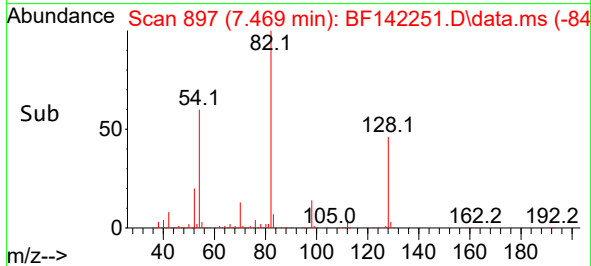
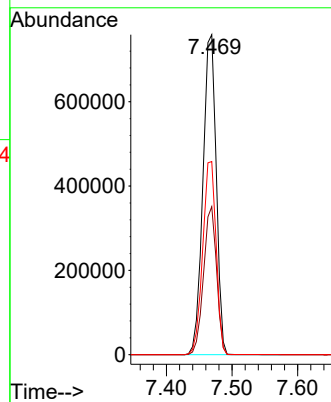
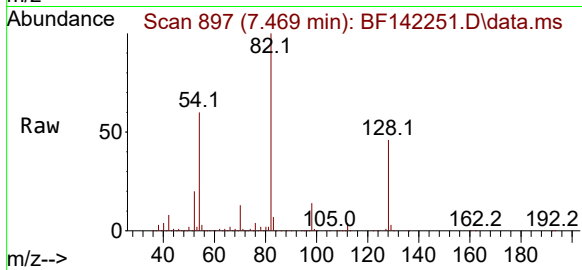
BNA_F

ClientSampleId :

PB167798BL

Tgt Ion: 82 Resp: 1072746

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.0	55.6
54	60.4	48.0	72.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.945 min Scan# 1318

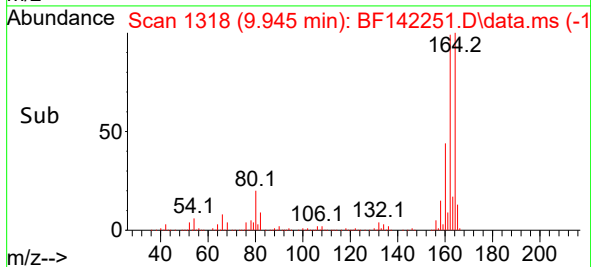
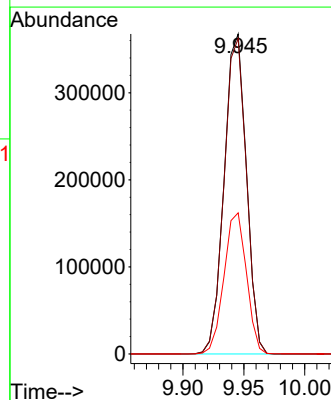
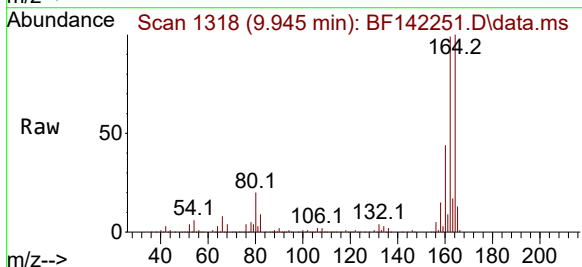
Delta R.T. -0.006 min

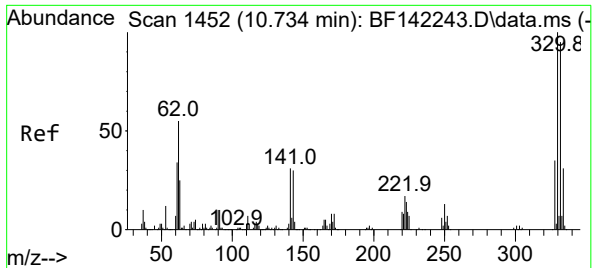
Lab File: BF142251.D

Acq: 01 May 2025 10:45

Tgt Ion:164 Resp: 467254

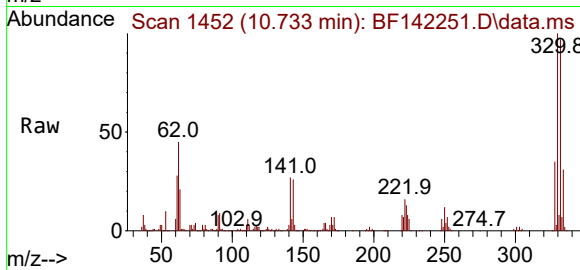
Ion	Ratio	Lower	Upper
164	100		
162	98.6	78.6	117.8
160	44.1	35.7	53.5



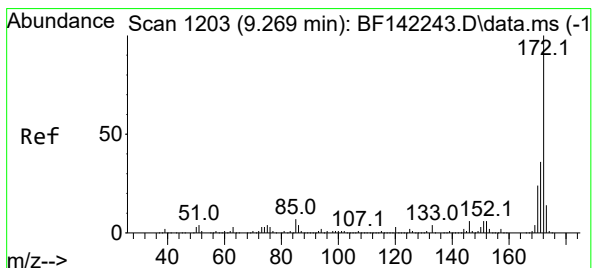
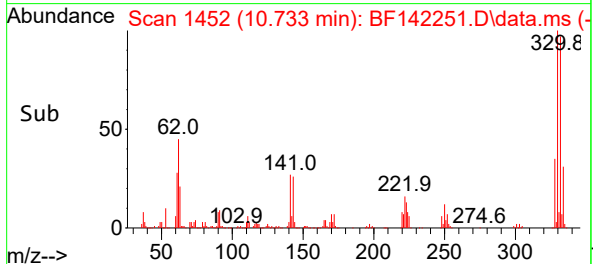
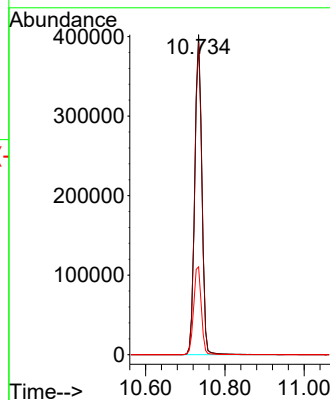


#42
 2,4,6-Tribromophenol
 Concen: 118.458 ng
 RT: 10.733 min Scan# 1452
 Delta R.T. -0.000 min
 Lab File: BF142251.D
 Acq: 01 May 2025 10:45

Instrument :
 BNA_F
 ClientSampleId :
 PB167798BL

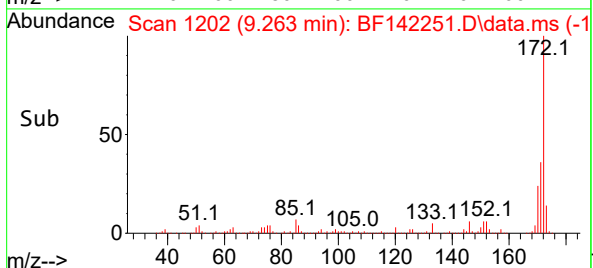
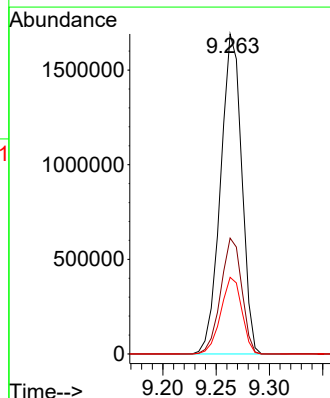
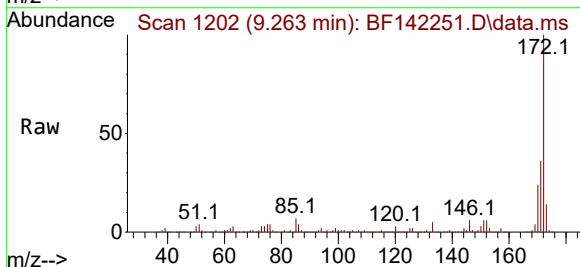


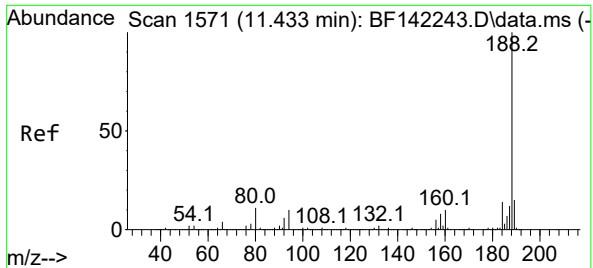
Tgt Ion:330 Resp: 504593
 Ion Ratio Lower Upper
 330 100
 332 97.3 76.5 114.7
 141 29.4 24.3 36.5



#45
 2-Fluorobiphenyl
 Concen: 70.392 ng
 RT: 9.263 min Scan# 1202
 Delta R.T. -0.006 min
 Lab File: BF142251.D
 Acq: 01 May 2025 10:45

Tgt Ion:172 Resp: 2332756
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.0 43.4
 170 23.9 19.4 29.0

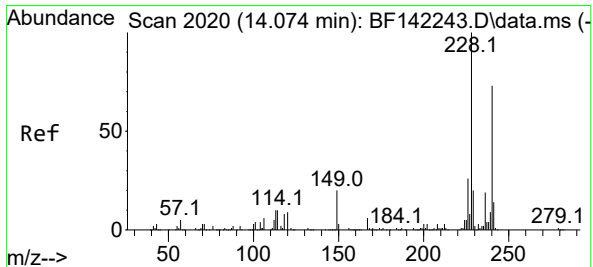
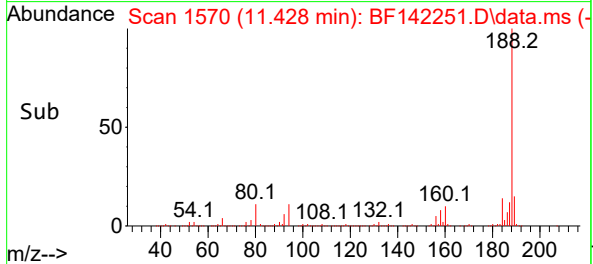
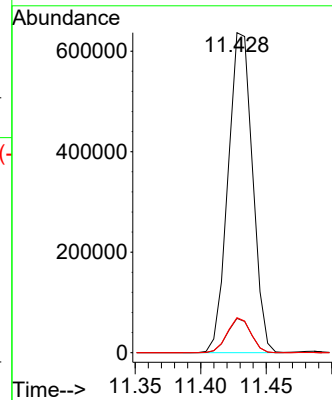
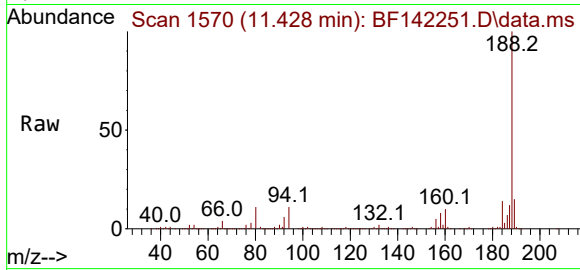




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

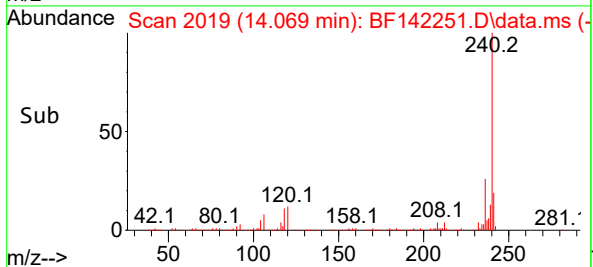
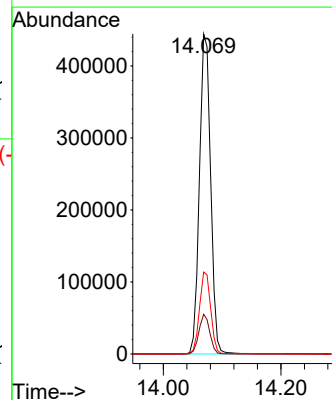
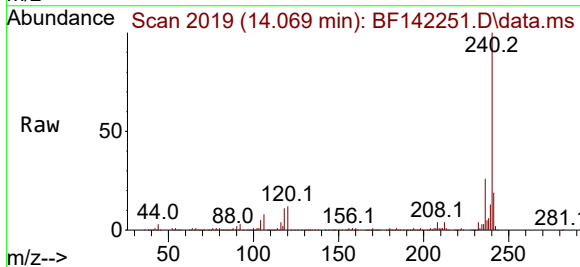
Instrument :
BNA_F
ClientSampleId :
PB167798BL

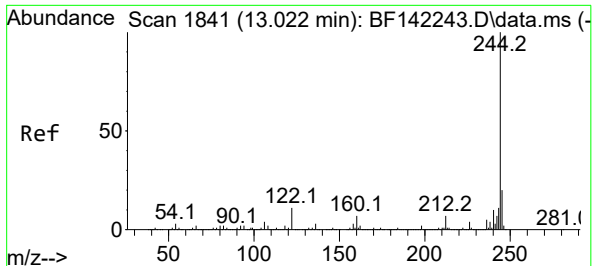
Tgt Ion:188 Resp: 826787
Ion Ratio Lower Upper
188 100
94 10.7 8.2 12.2
80 11.0 8.6 12.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142251.D
Acq: 01 May 2025 10:45

Tgt Ion:240 Resp: 587490
Ion Ratio Lower Upper
240 100
120 12.4 10.1 15.1
236 25.6 20.5 30.7





#79

Terphenyl-d14

Concen: 64.345 ng

RT: 13.022 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF142251.D

Acq: 01 May 2025 10:45

Instrument :

BNA_F

ClientSampleId :

PB167798BL

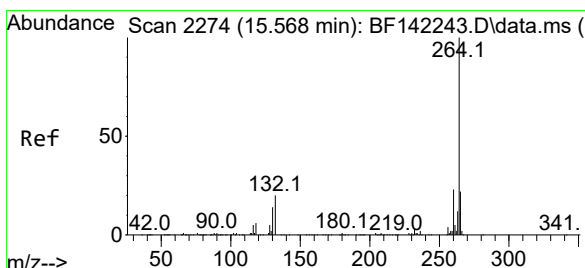
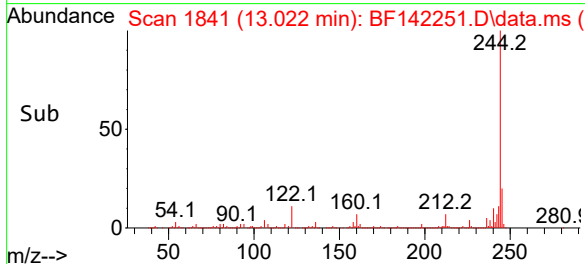
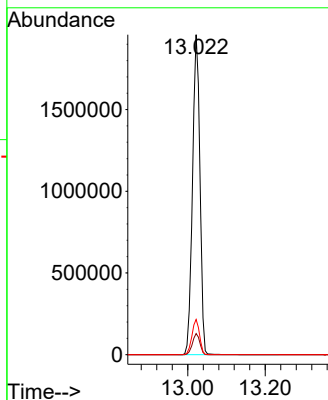
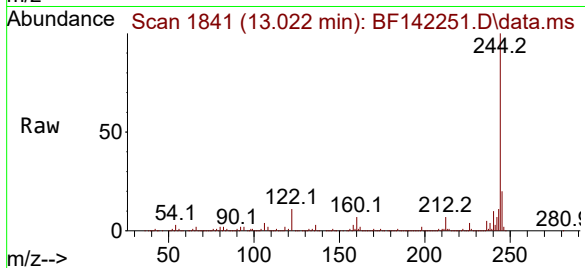
Tgt Ion:244 Resp: 2599136

Ion Ratio Lower Upper

244 100

212 6.6 5.3 7.9

122 11.0 9.1 13.7



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 2273

Delta R.T. -0.006 min

Lab File: BF142251.D

Acq: 01 May 2025 10:45

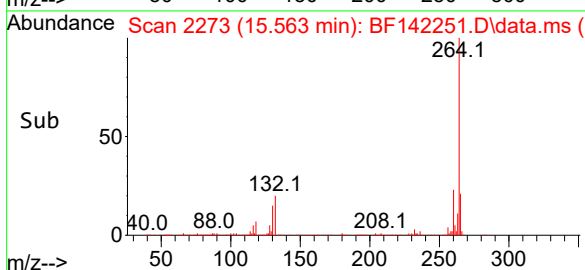
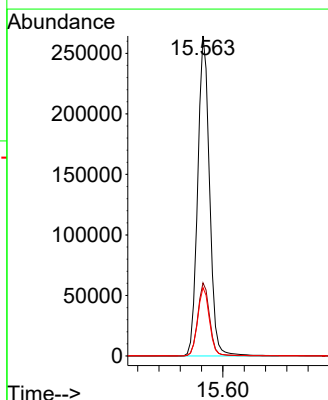
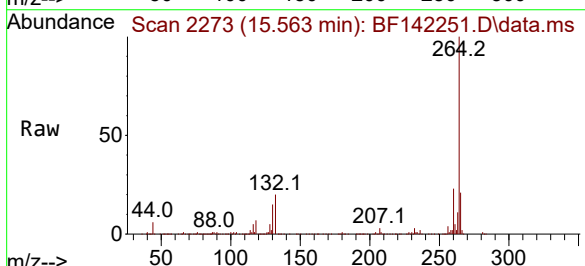
Tgt Ion:264 Resp: 406867

Ion Ratio Lower Upper

264 100

260 22.9 18.4 27.6

265 21.3 17.3 25.9



Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	PB167803BL	SDG No.:	Q1914
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:	SVOCMS Group3
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						
91-20-3	Naphthalene	170	U	22.7	170	ug/Kg
208-96-8	Acenaphthylene	170	U	28.9	170	ug/Kg
83-32-9	Acenaphthene	170	U	21.3	170	ug/Kg
86-73-7	Fluorene	170	U	25.3	170	ug/Kg
85-01-8	Phenanthrene	170	U	20.9	170	ug/Kg
120-12-7	Anthracene	170	U	33.3	170	ug/Kg
206-44-0	Fluoranthene	170	U	30.0	170	ug/Kg
129-00-0	Pyrene	170	U	36.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	170	U	23.0	170	ug/Kg
218-01-9	Chrysene	170	U	19.9	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	170	U	22.4	170	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	29.5	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	29.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	170	U	27.4	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	170	U	25.7	170	ug/Kg
SURROGATES						
4165-60-0	Nitrobenzene-d5	85.9		18 - 107	86%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.7		20 - 109	83%	SPK: 100
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			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	PB167803BL	SDG No.:	Q1914
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:	SVOCMS Group3
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

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

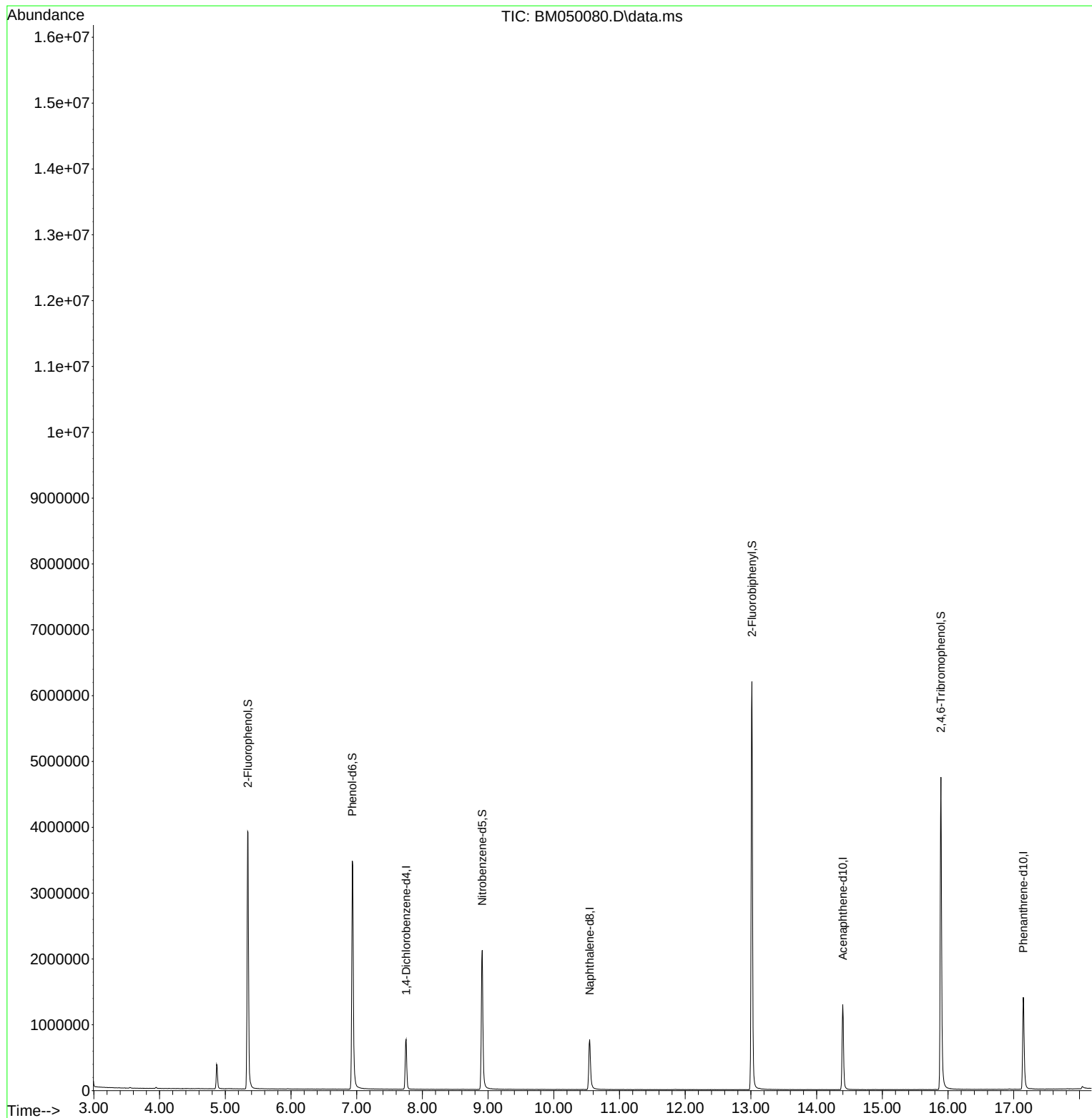
Target Compounds	Qvalue

(#) = 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

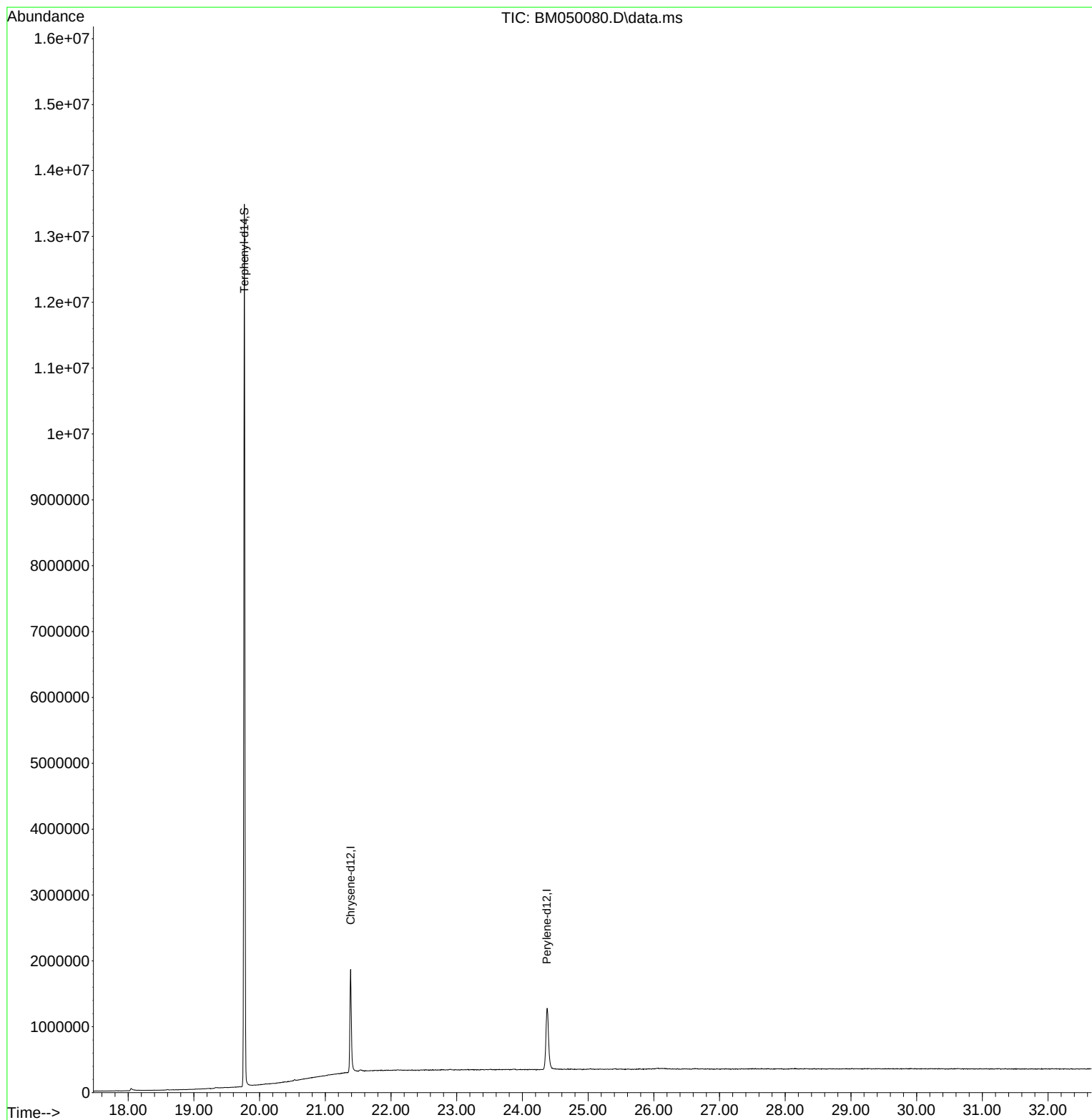
Quant Time: May 02 12:13:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

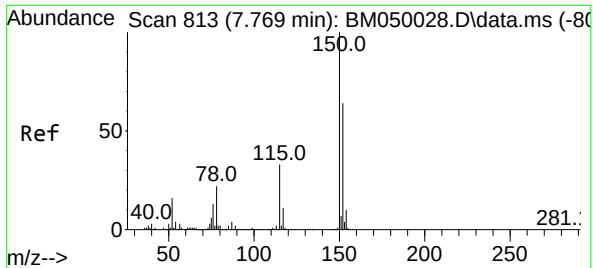


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050080.D
Acq On : 02 May 2025 11:13
Operator : RC/JU
Sample : PB167803BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

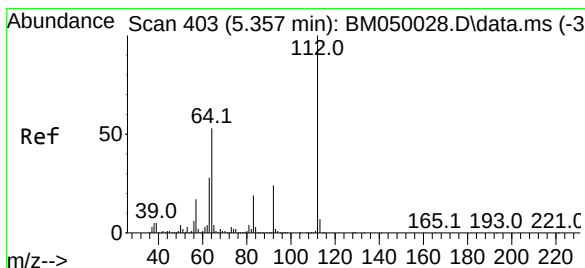
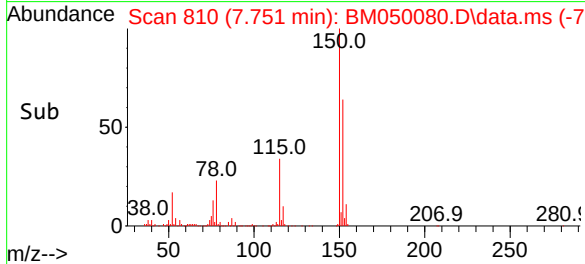
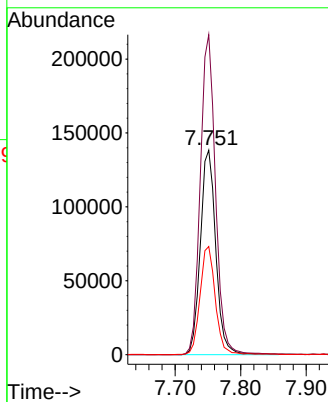
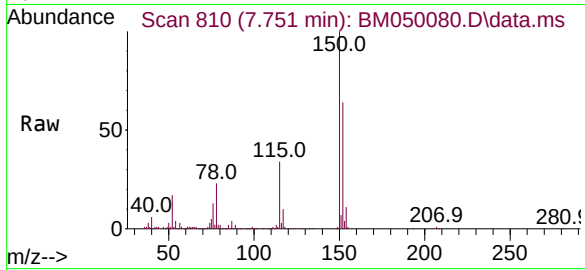




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.751 min Scan# 81
Delta R.T. -0.018 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

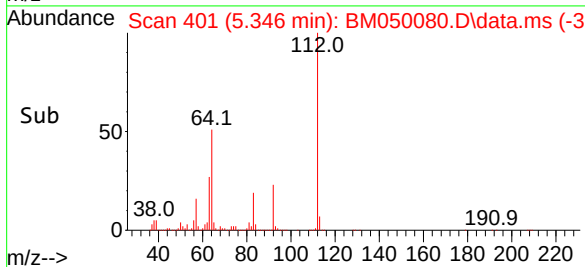
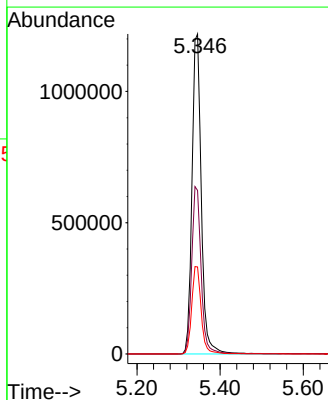
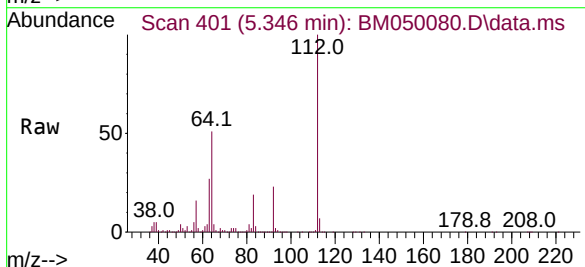
Instrument :
BNA_M
ClientSampleId :
PB167803BL

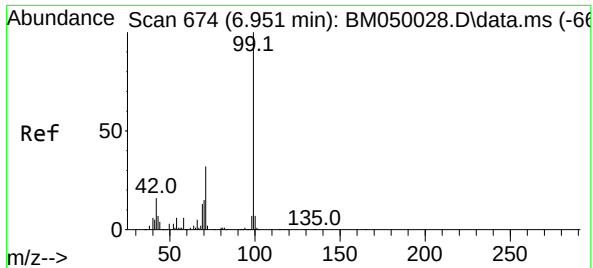
Tgt Ion:152 Resp: 227359
Ion Ratio Lower Upper
152 100
150 156.5 124.1 186.1
115 52.9 41.2 61.8



#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

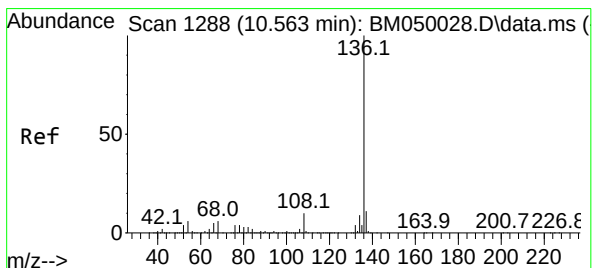
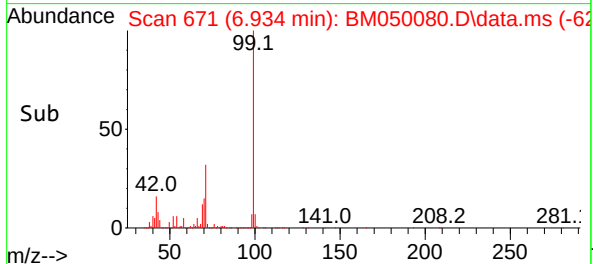
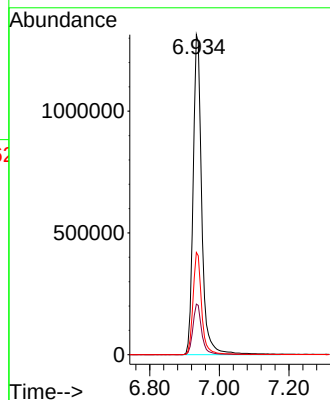
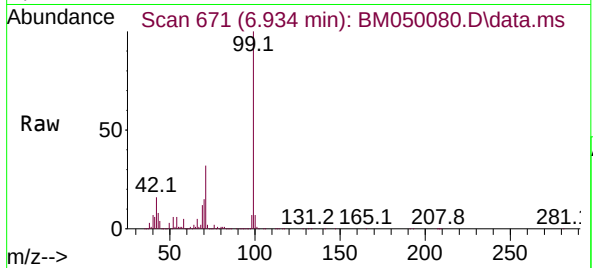




#7
Phenol-d6
Concen: 139.400 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.018 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

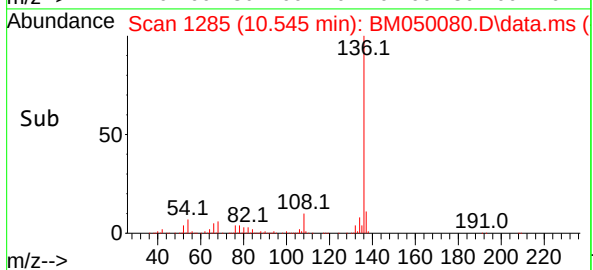
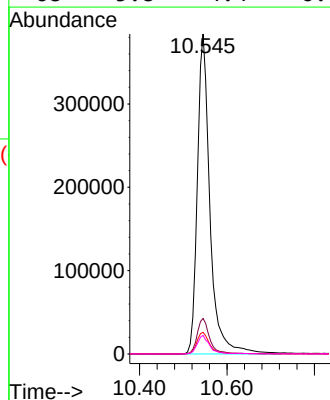
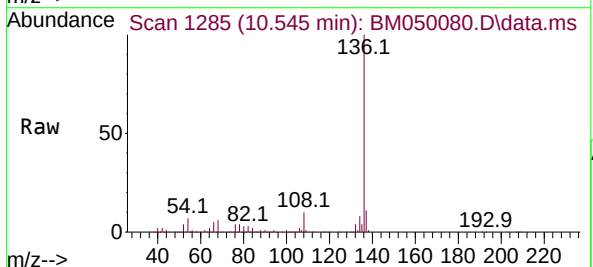
Instrument :
BNA_M
ClientSampleId :
PB167803BL

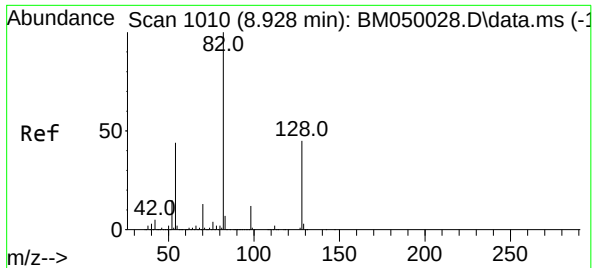
Tgt Ion: 99 Resp: 2274901
Ion Ratio Lower Upper
99 100
42 15.8 13.0 19.4
71 31.9 25.6 38.4



#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

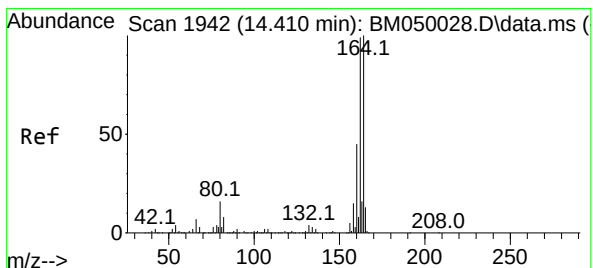
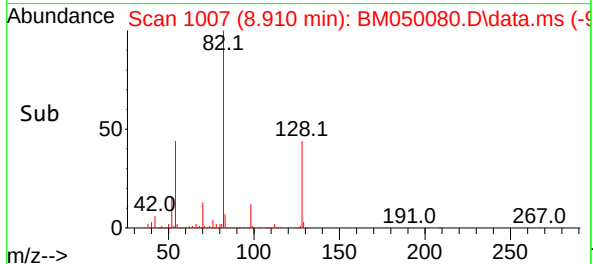
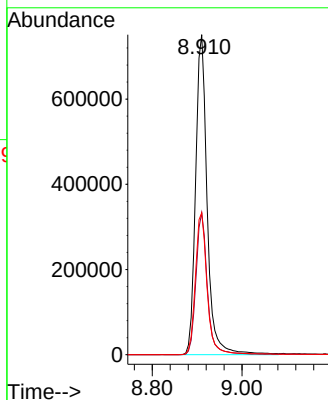
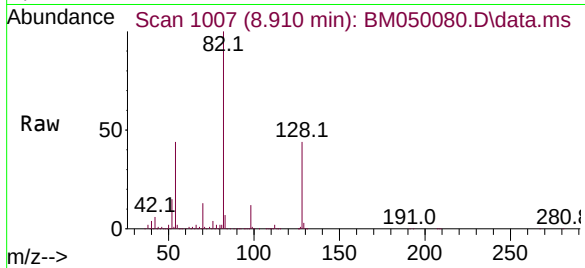




#23
Nitrobenzene-d5
Concen: 85.904 ng
RT: 8.910 min Scan# 1010
Delta R.T. -0.018 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

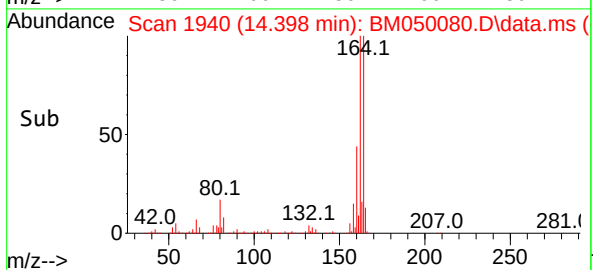
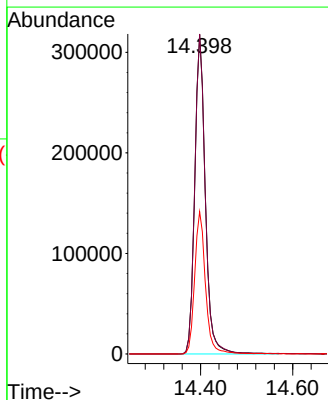
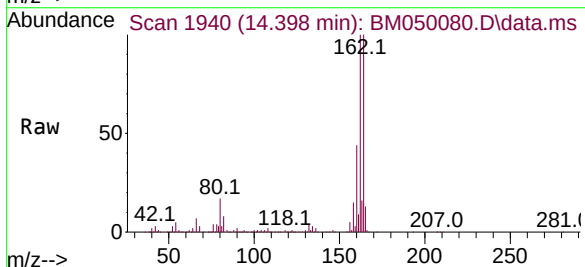
Instrument :
BNA_M
ClientSampleId :
PB167803BL

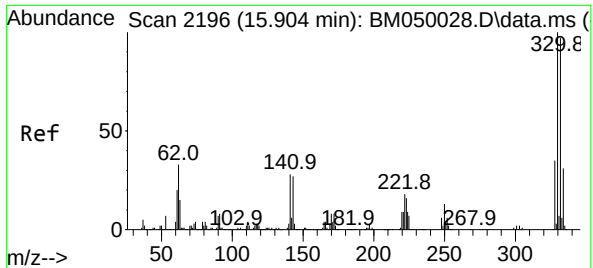
Tgt Ion: 82 Resp: 1344435
Ion Ratio Lower Upper
82 100
128 44.3 35.7 53.5
54 44.4 35.4 53.2



#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

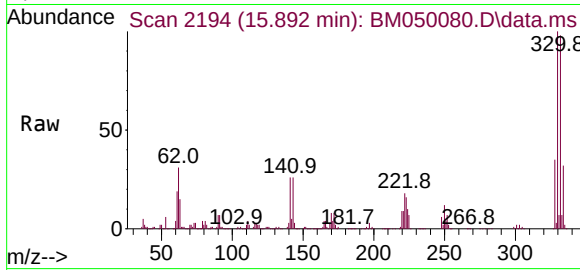
Tgt Ion:164 Resp: 505614
Ion Ratio Lower Upper
164 100
162 100.2 79.4 119.0
160 44.5 36.2 54.4



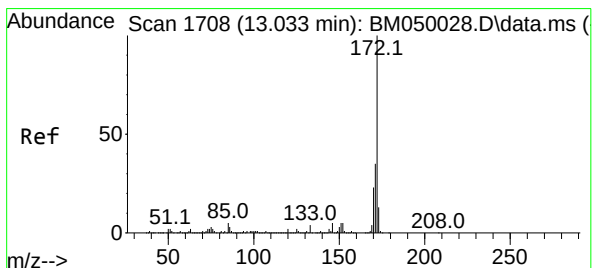
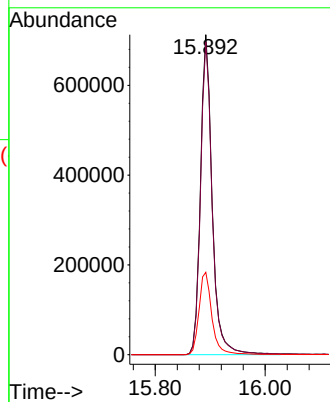
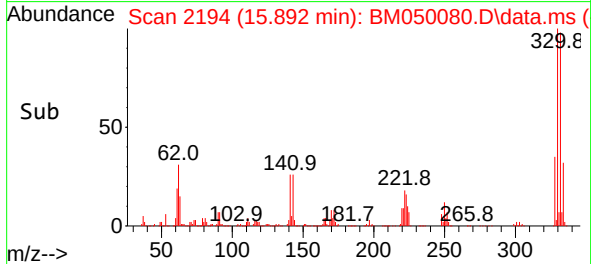


#42
2,4,6-Tribromophenol
Concen: 141.816 ng
RT: 15.892 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

Instrument :
BNA_M
ClientSampleId :
PB167803BL

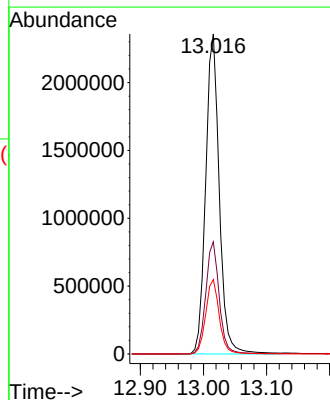
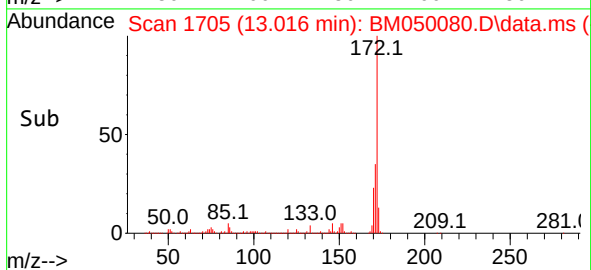
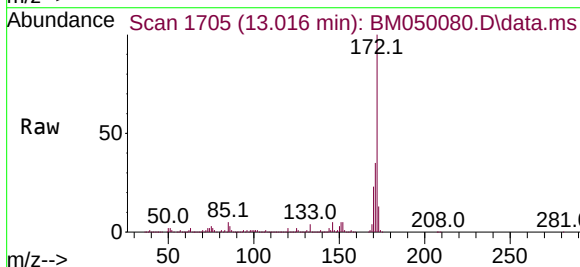


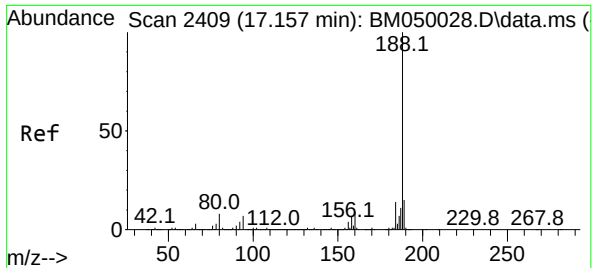
Tgt Ion:330 Resp: 1060240
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 28.3 22.5 33.7



#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

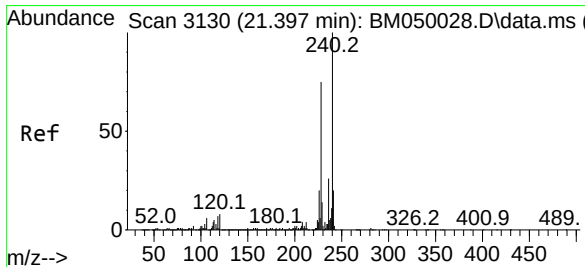
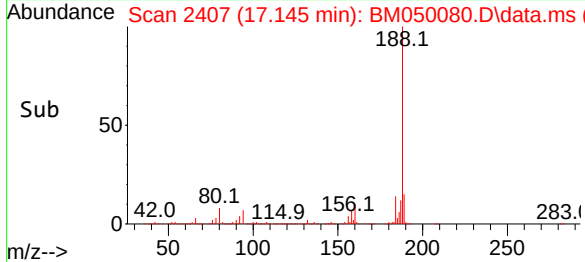
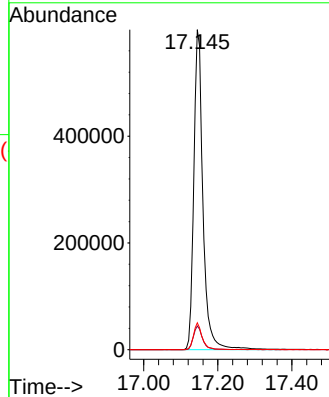
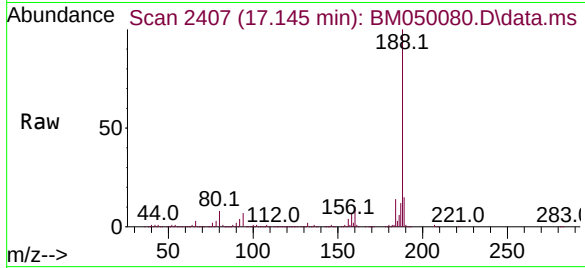




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2409
Delta R.T. -0.012 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

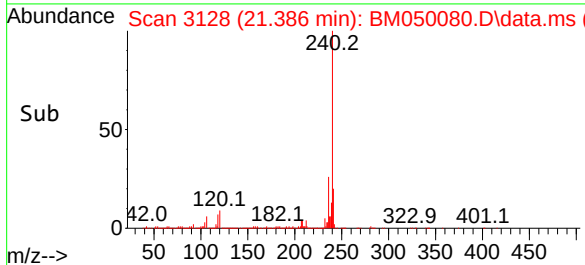
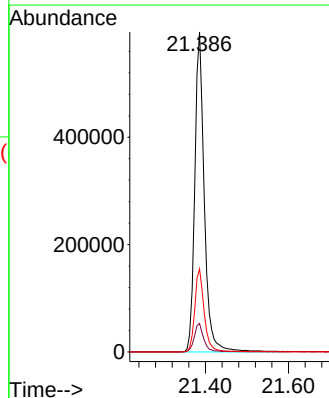
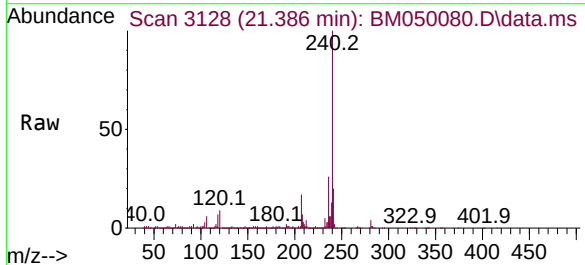
Instrument :
BNA_M
ClientSampleId :
PB167803BL

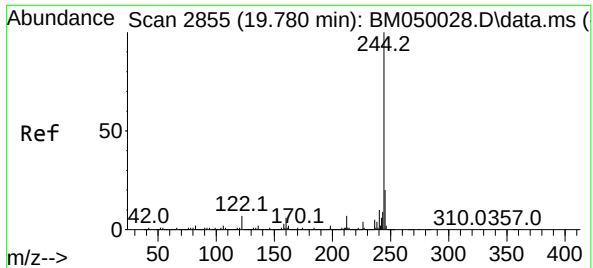
Tgt Ion:188 Resp: 1028817
Ion Ratio Lower Upper
188 100
94 7.4 5.7 8.5
80 8.4 6.2 9.4



#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

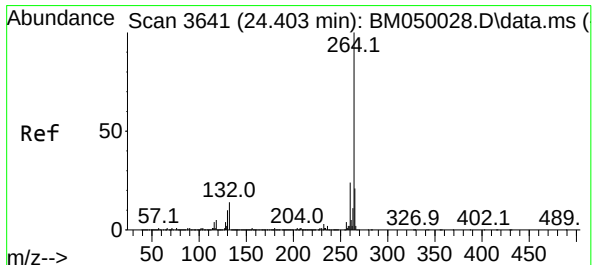
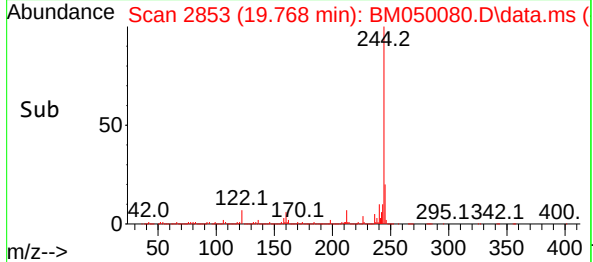
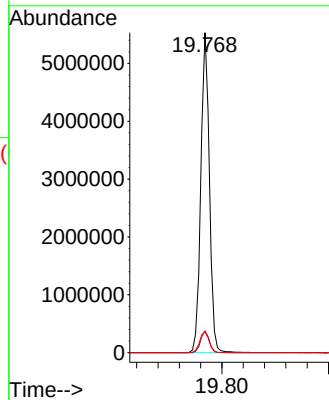
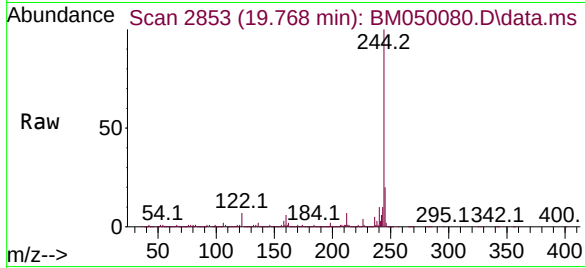




#79
Terphenyl-d14
Concen: 96.438 ng
RT: 19.768 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM050080.D
Acq: 02 May 2025 11:13

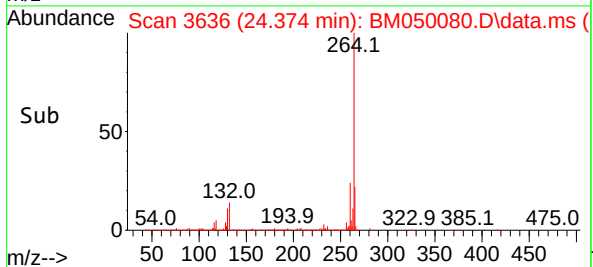
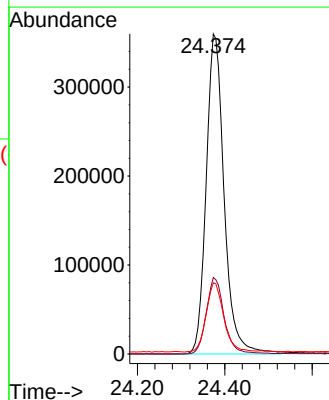
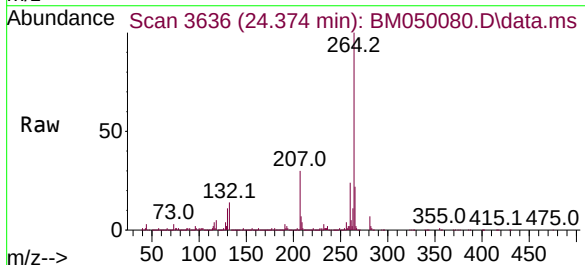
Instrument :
BNA_M
ClientSampleId :
PB167803BL

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



Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	PB167798BS	SDG No.:	Q1914
Lab Sample ID:	PB167798BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142252.D	1	04/30/25 08:35	05/01/25 11:13	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	40.4		0.50	5.00	ug/L
208-96-8	Acenaphthylene	41.2		0.75	5.00	ug/L
83-32-9	Acenaphthene	43.9		0.55	5.00	ug/L
86-73-7	Fluorene	41.1		0.63	5.00	ug/L
85-01-8	Phenanthrene	40.0		0.50	5.00	ug/L
120-12-7	Anthracene	40.9		0.61	5.00	ug/L
206-44-0	Fluoranthene	41.9		0.82	5.00	ug/L
129-00-0	Pyrene	42.9		0.50	5.00	ug/L
56-55-3	Benzo(a)anthracene	41.2		0.45	5.00	ug/L
218-01-9	Chrysene	43.6		0.44	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	39.7		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	42.5		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.2		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	42.3		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	42.0		0.69	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	78.7		49 - 133	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.2		52 - 132	69%	SPK: 100
1718-51-0	Terphenyl-d14	73.5		48 - 125	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	226000	6.91			
1146-65-2	Naphthalene-d8	889000	8.192			
15067-26-2	Acenaphthene-d10	464000	9.945			
1517-22-2	Phenanthrene-d10	801000	11.433			
1719-03-5	Chrysene-d12	447000	14.074			
1520-96-3	Perylene-d12	449000	15.563			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	PB167798BS	SDG No.:	Q1914
Lab Sample ID:	PB167798BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142252.D	1	04/30/25 08:35	05/01/25 11:13	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
 Data File : BF142252.D
 Acq On : 01 May 2025 11:13
 Operator : RC/JU
 Sample : PB167798BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB167798BS

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025

Reviewed By :Jagrut Upadhyay

Supervised By :Jagrut Upadhyay

05/02/2025

05/02/2025

Quant Time: May 01 12:23:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	225762	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	889454	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	464234	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	800889	20.000	ng	0.00
76) Chrysene-d12	14.074	240	447227	20.000	ng	0.00
86) Perylene-d12	15.563	264	448663	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	1573800	111.332	ng	0.02
7) Phenol-d6	6.528	99	1923984	112.709	ng	0.00
23) Nitrobenzene-d5	7.469	82	1064921	78.658	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	553053	130.679	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2279117	69.221	ng	0.00
79) Terphenyl-d14	13.022	244	2260338	73.507	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.799	88	214857	34.032	ng	99
3) Pyridine	3.546	79	612102	37.305	ng	99
4) n-Nitrosodimethylamine	3.499	42	354189	41.713	ng	99
6) Aniline	6.569	93	595232	24.635	ng	99
8) 2-Chlorophenol	6.693	128	621899	42.575	ng	100
9) Benzaldehyde	6.457	77	303059	25.401	ng	99
10) Phenol	6.546	94	757157m	41.200	ng	
11) bis(2-Chloroethyl)ether	6.646	93	582688	40.916	ng	100
12) 1,3-Dichlorobenzene	6.851	146	670657	40.585	ng	100
13) 1,4-Dichlorobenzene	6.928	146	672151	40.372	ng	99
14) 1,2-Dichlorobenzene	7.081	146	647246	40.722	ng	100
15) Benzyl Alcohol	7.045	79	513138	42.384	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	1068891	41.566	ng	99
17) 2-Methylphenol	7.151	107	501113	41.877	ng	98
18) Hexachloroethane	7.422	117	228628	41.957	ng	96
19) n-Nitroso-di-n-propyla...	7.322	70	430394	40.801	ng	99
20) 3+4-Methylphenols	7.304	107	621160	41.509	ng	94
22) Acetophenone	7.316	105	826074	40.145	ng	100
24) Nitrobenzene	7.493	77	591218	44.506	ng	100
25) Isophorone	7.728	82	1178770	41.486	ng	100
26) 2-Nitrophenol	7.804	139	225734	41.847	ng	99
27) 2,4-Dimethylphenol	7.840	122	602922	42.086	ng	99
28) bis(2-Chloroethoxy)met...	7.940	93	734626	40.995	ng	99
29) 2,4-Dichlorophenol	8.040	162	512350	42.777	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	547350	40.953	ng	100
31) Naphthalene	8.216	128	1792007	40.399	ng	100
32) Benzoic acid	7.945	122	282191m	42.883	ng	
33) 4-Chloroaniline	8.251	127	121514	6.579	ng	99
34) Hexachlorobutadiene	8.328	225	323243	41.453	ng	99
35) Caprolactam	8.622	113	164045m	45.568	ng	
36) 4-Chloro-3-methylphenol	8.734	107	532722	43.315	ng	98
37) 2-Methylnaphthalene	8.904	142	1105725	40.544	ng	99
38) 1-Methylnaphthalene	9.004	142	1159466	41.039	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	523019	40.032	ng	99
41) Hexachlorocyclopentadiene	9.057	237	659241	88.906	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	354948	43.843	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
 Data File : BF142252.D
 Acq On : 01 May 2025 11:13
 Operator : RC/JU
 Sample : PB167798BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB167798BS

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/02/2025

Supervised By :Jagrut Upadhyay 05/02/2025

Reviewed By :Jagrut Upadhyay

Supervised By :Jagrut Upadhyay

05/02/2025

05/02/2025

Quant Time: May 01 12:23:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	386474	45.404	ng	98
46) 1,1'-Biphenyl	9.369	154	1475397	40.881	ng	100
47) 2-Chloronaphthalene	9.392	162	1092692	40.695	ng	99
48) 2-Nitroaniline	9.487	65	301543	43.124	ng	99
49) Acenaphthylene	9.810	152	1868315	41.234	ng	100
50) Dimethylphthalate	9.669	163	1278203	43.038	ng	100
51) 2,6-Dinitrotoluene	9.728	165	247512	43.832	ng	98
52) Acenaphthene	9.981	154	1161277	43.895	ng	100
53) 3-Nitroaniline	9.892	138	120832	19.467	ng	97
54) 2,4-Dinitrophenol	9.998	184	173600	84.535	ng	# 23
55) Dibenzofuran	10.157	168	1619144	40.827	ng	100
56) 4-Nitrophenol	10.045	139	471700	101.045	ng	98
57) 2,4-Dinitrotoluene	10.134	165	334335	48.433	ng	99
58) Fluorene	10.498	166	1240639	41.143	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.269	232	316821	44.934	ng	99
60) Diethylphthalate	10.369	149	1280368	43.657	ng	99
61) 4-Chlorophenyl-phenylether	10.486	204	583485	40.745	ng	99
62) 4-Nitroaniline	10.510	138	278877	44.489	ng	99
63) Azobenzene	10.651	77	1225283	42.308	ng	100
65) 4,6-Dinitro-2-methylph...	10.539	198	114521	44.424	ng	95
66) n-Nitrosodiphenylamine	10.610	169	1120137	40.934	ng	100
67) 4-Bromophenyl-phenylether	10.981	248	374442	41.981	ng	99
68) Hexachlorobenzene	11.045	284	416999	41.744	ng	99
69) Atrazine	11.133	200	327822	45.449	ng	98
70) Pentachlorophenol	11.233	266	491588	93.152	ng	98
71) Phenanthrene	11.463	178	1729683	39.983	ng	99
72) Anthracene	11.510	178	1809920	40.920	ng	100
73) Carbazole	11.663	167	1673738	41.482	ng	100
74) Di-n-butylphthalate	11.998	149	1832830	45.166	ng	100
75) Fluoranthene	12.645	202	1790811	41.876	ng	99
77) Benzidine	12.769	184	427420	22.492	ng	98
78) Pyrene	12.875	202	1769704	42.897	ng	99
80) Butylbenzylphthalate	13.498	149	508489	45.305	ng	98
81) Benzo(a)anthracene	14.063	228	1236291	41.178	ng	100
82) 3,3'-Dichlorobenzidine	14.027	252	102802	11.657	ng	99
83) Chrysene	14.104	228	1191462	43.597	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	629446	40.842	ng	100
85) Di-n-octyl phthalate	14.674	149	1146731	41.045	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	1385292	42.153	ng	100
88) Benzo(b)fluoranthene	15.127	252	1230162	44.141	ng	99
89) Benzo(k)fluoranthene	15.157	252	1011794	39.692	ng	99
90) Benzo(a)pyrene	15.504	252	1085464	42.542	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	1127475	42.272	ng	100
92) Benzo(g,h,i)perylene	17.539	276	1126050	41.996	ng	99

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

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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\  
Data File : BF142252.D  
Acq On    : 01 May 2025  11:13  
Operator  : RC/JU  
Sample    : PB167798BS  
Misc      :  
ALS Vial  : 4    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
PB167798BS

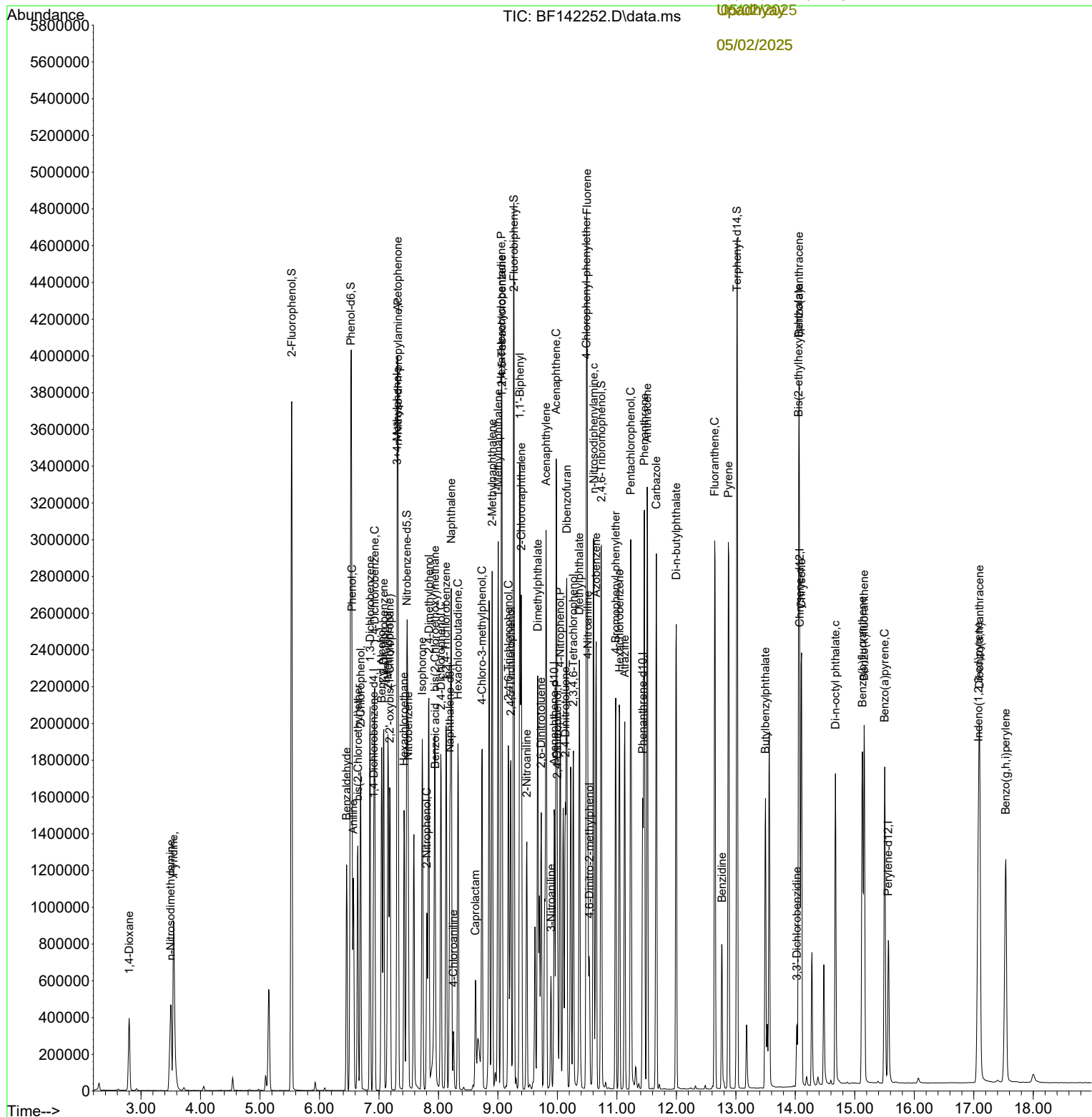
Manual Integrations

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

Supervised By : Jagrut Upadhyay

05/02/2025

Quant Time: May 01 12:23:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	PB167803BS	SDG No.:	Q1914
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:	SVOCMS Group3
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						
91-20-3	Naphthalene	1400		22.7	170	ug/Kg
208-96-8	Acenaphthylene	1400		28.9	170	ug/Kg
83-32-9	Acenaphthene	1400		21.3	170	ug/Kg
86-73-7	Fluorene	1400		25.3	170	ug/Kg
85-01-8	Phenanthrene	1400		20.9	170	ug/Kg
120-12-7	Anthracene	1500		33.3	170	ug/Kg
206-44-0	Fluoranthene	1500		30.0	170	ug/Kg
129-00-0	Pyrene	1400		36.0	170	ug/Kg
56-55-3	Benzo(a)anthracene	1500		23.0	170	ug/Kg
218-01-9	Chrysene	1500		19.9	170	ug/Kg
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
SURROGATES						
4165-60-0	Nitrobenzene-d5	75.1		18 - 107	75%	SPK: 100
321-60-8	2-Fluorobiphenyl	73.7		20 - 109	74%	SPK: 100
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		



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

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	PB167803BS	SDG No.:	Q1914
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:	SVOCMS Group3
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

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

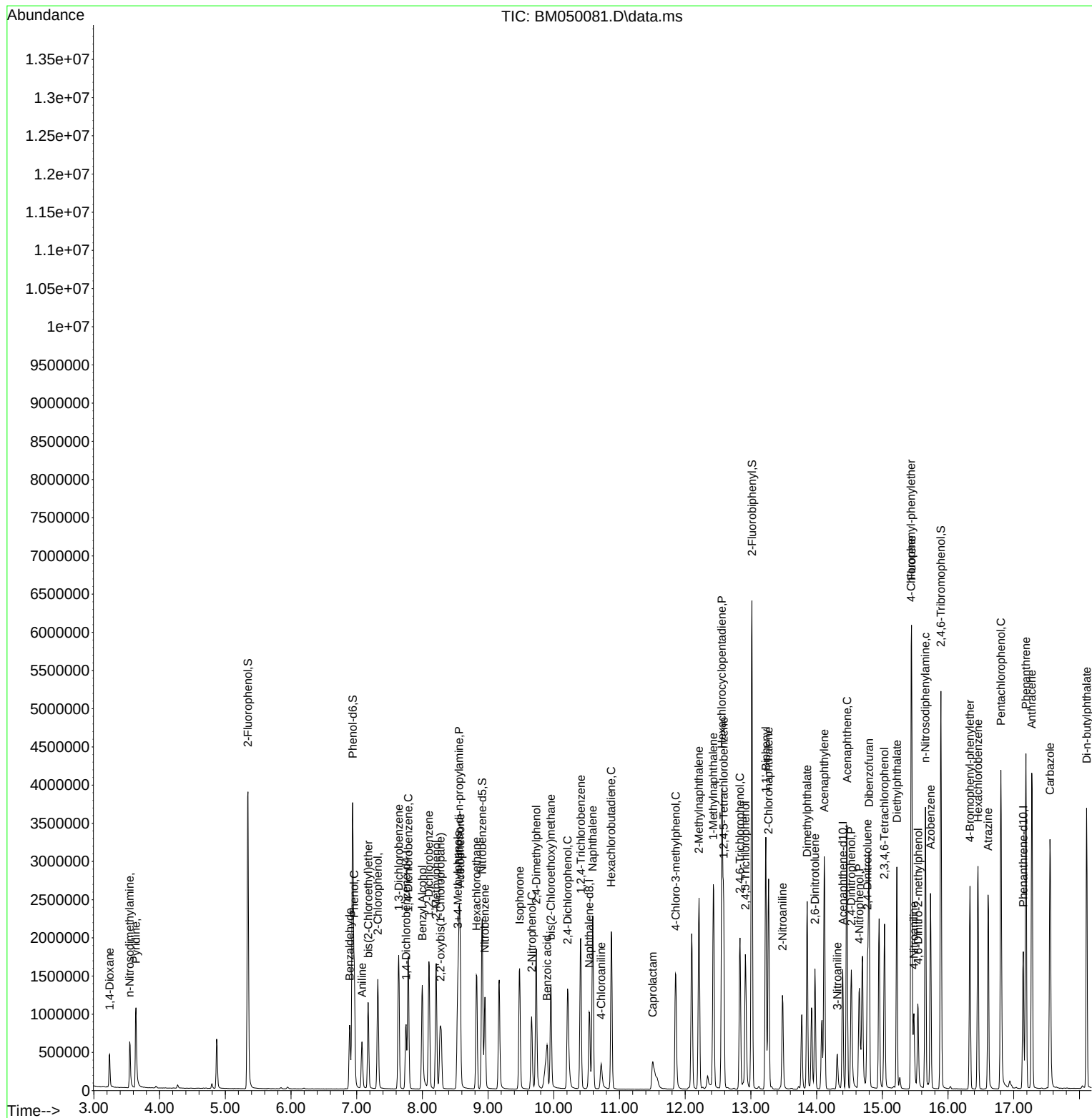
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.915	196	572778	44.257	ng	99
46) 1,1'-Biphenyl	13.227	154	1714850	42.204	ng	99
47) 2-Chloronaphthalene	13.268	162	1372162	42.639	ng	100
48) 2-Nitroaniline	13.480	65	337316	44.660	ng	97
49) Acenaphthylene	14.115	152	2154517	42.462	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

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

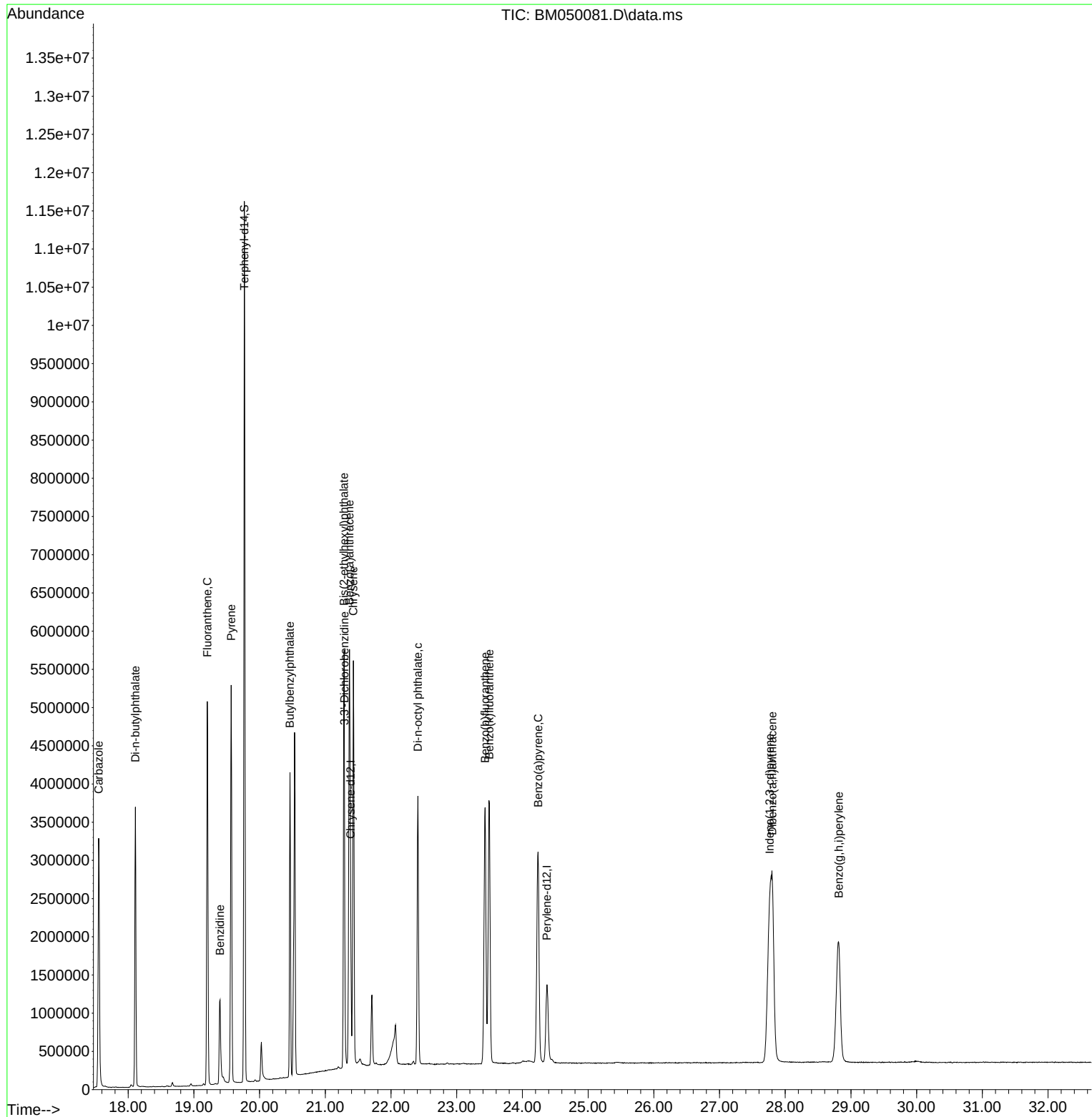
Quant Time: May 02 12:47:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



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:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	PB167798BSD	SDG No.:	Q1914
Lab Sample ID:	PB167798BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142253.D	1	04/30/25 08:35	05/01/25 11:42	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
91-20-3	Naphthalene	39.8		0.50	5.00	ug/L
208-96-8	Acenaphthylene	40.8		0.75	5.00	ug/L
83-32-9	Acenaphthene	44.0		0.55	5.00	ug/L
86-73-7	Fluorene	40.7		0.63	5.00	ug/L
85-01-8	Phenanthrene	40.7		0.50	5.00	ug/L
120-12-7	Anthracene	41.3		0.61	5.00	ug/L
206-44-0	Fluoranthene	41.8		0.82	5.00	ug/L
129-00-0	Pyrene	43.0		0.50	5.00	ug/L
56-55-3	Benzo(a)anthracene	41.3		0.45	5.00	ug/L
218-01-9	Chrysene	43.0		0.44	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	44.5		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	42.6		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	42.8		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	43.0		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	43.1		0.69	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	80.3		49 - 133	80%	SPK: 100
321-60-8	2-Fluorobiphenyl	68.2		52 - 132	68%	SPK: 100
1718-51-0	Terphenyl-d14	73.8		48 - 125	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	229000	6.91			
1146-65-2	Naphthalene-d8	896000	8.192			
15067-26-2	Acenaphthene-d10	472000	9.945			
1517-22-2	Phenanthrene-d10	796000	11.433			
1719-03-5	Chrysene-d12	445000	14.074			
1520-96-3	Perylene-d12	442000	15.563			

Report of Analysis

Client:	CDM Smith	Date Collected:	
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	
Client Sample ID:	PB167798BSD	SDG No.:	Q1914
Lab Sample ID:	PB167798BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142253.D	1	04/30/25 08:35	05/01/25 11:42	PB167798

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
 Data File : BF142253.D
 Acq On : 01 May 2025 11:42
 Operator : RC/JU
 Sample : PB167798BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167798BSD

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

05/02/2025
 Supervised By :Jagrut
 Upadhyay

Quant Time: May 01 12:24:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	228844	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	895505	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	472033	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	796412	20.000	ng	0.00
76) Chrysene-d12	14.074	240	445019	20.000	ng	0.00
86) Perylene-d12	15.563	264	441873	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1544251	107.770	ng	0.01
7) Phenol-d6	6.528	99	1910888	110.435	ng	0.00
23) Nitrobenzene-d5	7.469	82	1094804	80.319	ng	0.00
42) 2,4,6-Tribromophenol	10.739	330	558926	129.885	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2284570	68.240	ng	0.00
79) Terphenyl-d14	13.022	244	2257765	73.788	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.799	88	214363	33.497	ng	99
3) Pyridine	3.546	79	604462	36.343	ng	100
4) n-Nitrosodimethylamine	3.499	42	350276	40.697	ng	99
6) Aniline	6.569	93	664275	27.123	ng	99
8) 2-Chlorophenol	6.693	128	628695	42.460	ng	99
9) Benzaldehyde	6.457	77	294023	24.312	ng	99
10) Phenol	6.545	94	750967m	40.313	ng	
11) bis(2-Chloroethyl)ether	6.645	93	580502	40.214	ng	99
12) 1,3-Dichlorobenzene	6.851	146	662064	39.525	ng	100
13) 1,4-Dichlorobenzene	6.928	146	661045	39.170	ng	100
14) 1,2-Dichlorobenzene	7.081	146	646447	40.124	ng	99
15) Benzyl Alcohol	7.045	79	522603	42.584	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	1068395	40.987	ng	99
17) 2-Methylphenol	7.151	107	506643	41.769	ng	99
18) Hexachloroethane	7.422	117	227904	41.260	ng	97
19) n-Nitroso-di-n-propyla...	7.322	70	433820	40.572	ng	99
20) 3+4-Methylphenols	7.304	107	625731	41.251	ng	94
22) Acetophenone	7.316	105	822300	39.692	ng	100
24) Nitrobenzene	7.492	77	605776	45.294	ng	98
25) Isophorone	7.728	82	1175652	41.096	ng	100
26) 2-Nitrophenol	7.804	139	258365	46.327	ng	98
27) 2,4-Dimethylphenol	7.840	122	612593	42.472	ng	99
28) bis(2-Chloroethoxy)met...	7.940	93	740492	41.043	ng	99
29) 2,4-Dichlorophenol	8.040	162	521645	43.259	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	546079	40.582	ng	99
31) Naphthalene	8.216	128	1778327	39.820	ng	100
32) Benzoic acid	7.951	122	331051m	48.183	ng	
33) 4-Chloroaniline	8.251	127	168046	9.036	ng	99
34) Hexachlorobutadiene	8.328	225	322773	41.113	ng	99
35) Caprolactam	8.622	113	168204m	46.407	ng	
36) 4-Chloro-3-methylphenol	8.734	107	537952	43.445	ng	98
37) 2-Methylnaphthalene	8.904	142	1104930	40.241	ng	100
38) 1-Methylnaphthalene	9.004	142	1150453	40.445	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	524934	39.515	ng	99
41) Hexachlorocyclopentadiene	9.057	237	671988	89.128	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	372452	45.244	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\
 Data File : BF142253.D
 Acq On : 01 May 2025 11:42
 Operator : RC/JU
 Sample : PB167798BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167798BSD

Manual Integrations
 APPROVED

Reviewed By :Rahul
 Chavli

05/02/2025
 Supervised By :Jagrut
 Upadhyay

Quant Time: May 01 12:24:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 30 16:00:01 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	387830	44.810	ng	98
46) 1,1'-Biphenyl	9.369	154	1480347	40.340	ng	100
47) 2-Chloronaphthalene	9.392	162	1105087	40.476	ng	99
48) 2-Nitroaniline	9.486	65	324508	45.363	ng	98
49) Acenaphthylene	9.810	152	1879452	40.794	ng	100
50) Dimethylphthalate	9.669	163	1290455	42.733	ng	100
51) 2,6-Dinitrotoluene	9.728	165	262585	45.558	ng	100
52) Acenaphthene	9.981	154	1183957	44.012	ng	99
53) 3-Nitroaniline	9.892	138	144830	22.378	ng	98
54) 2,4-Dinitrophenol	9.998	184	199878	91.584	ng	# 17
55) Dibenzofuran	10.157	168	1639725	40.663	ng	100
56) 4-Nitrophenol	10.045	139	489174	103.057	ng	98
57) 2,4-Dinitrotoluene	10.134	165	346883	49.318	ng	99
58) Fluorene	10.498	166	1248146	40.708	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.269	232	331140	46.189	ng	100
60) Diethylphthalate	10.369	149	1287411	43.172	ng	100
61) 4-Chlorophenyl-phenyle...	10.486	204	601502	41.309	ng	99
62) 4-Nitroaniline	10.510	138	288950	45.282	ng	99
63) Azobenzene	10.651	77	1233889	41.902	ng	100
65) 4,6-Dinitro-2-methylph...	10.539	198	128388	48.731	ng	94
66) n-Nitrosodiphenylamine	10.610	169	1124320	41.318	ng	99
67) 4-Bromophenyl-phenylether	10.980	248	376385	42.436	ng	99
68) Hexachlorobenzene	11.045	284	419316	42.212	ng	99
69) Atrazine	11.133	200	337532	47.058	ng	99
70) Pentachlorophenol	11.233	266	496901	94.688	ng	98
71) Phenanthrene	11.463	178	1750559	40.693	ng	99
72) Anthracene	11.510	178	1816790	41.306	ng	100
73) Carbazole	11.663	167	1689119	42.099	ng	100
74) Di-n-butylphthalate	11.998	149	1825873	45.248	ng	100
75) Fluoranthene	12.645	202	1777492	41.799	ng	99
77) Benzidine	12.769	184	483783	25.584	ng	98
78) Pyrene	12.880	202	1763648	42.962	ng	99
80) Butylbenzylphthalate	13.498	149	510891	45.709	ng	99
81) Benzo(a)anthracene	14.063	228	1233563	41.291	ng	100
82) 3,3'-Dichlorobenzidine	14.027	252	124446	14.182	ng	99
83) Chrysene	14.104	228	1170165	43.030	ng	100
84) Bis(2-ethylhexyl)phtha...	14.057	149	622700	40.625	ng	100
85) Di-n-octyl phthalate	14.674	149	1156711	41.525	ng	100
87) Indeno(1,2,3-cd)pyrene	17.080	276	1384791	42.786	ng	100
88) Benzo(b)fluoranthene	15.127	252	1077406	39.254	ng	99
89) Benzo(k)fluoranthene	15.157	252	1118010	44.533	ng	99
90) Benzo(a)pyrene	15.504	252	1070836	42.614	ng	100
91) Dibenzo(a,h)anthracene	17.098	278	1128281	42.952	ng	99
92) Benzo(g,h,i)perylene	17.533	276	1137552	43.077	ng	99

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

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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050125\  
Data File : BF142253.D  
Acq On    : 01 May 2025  11:42  
Operator  : RC/JU  
Sample    : PB167798BSD  
Misc      :  
ALS Vial  : 5    Sample Multiplier: 1
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Instrument :
BNA_F
ClientSampleId :
PB167798BSD

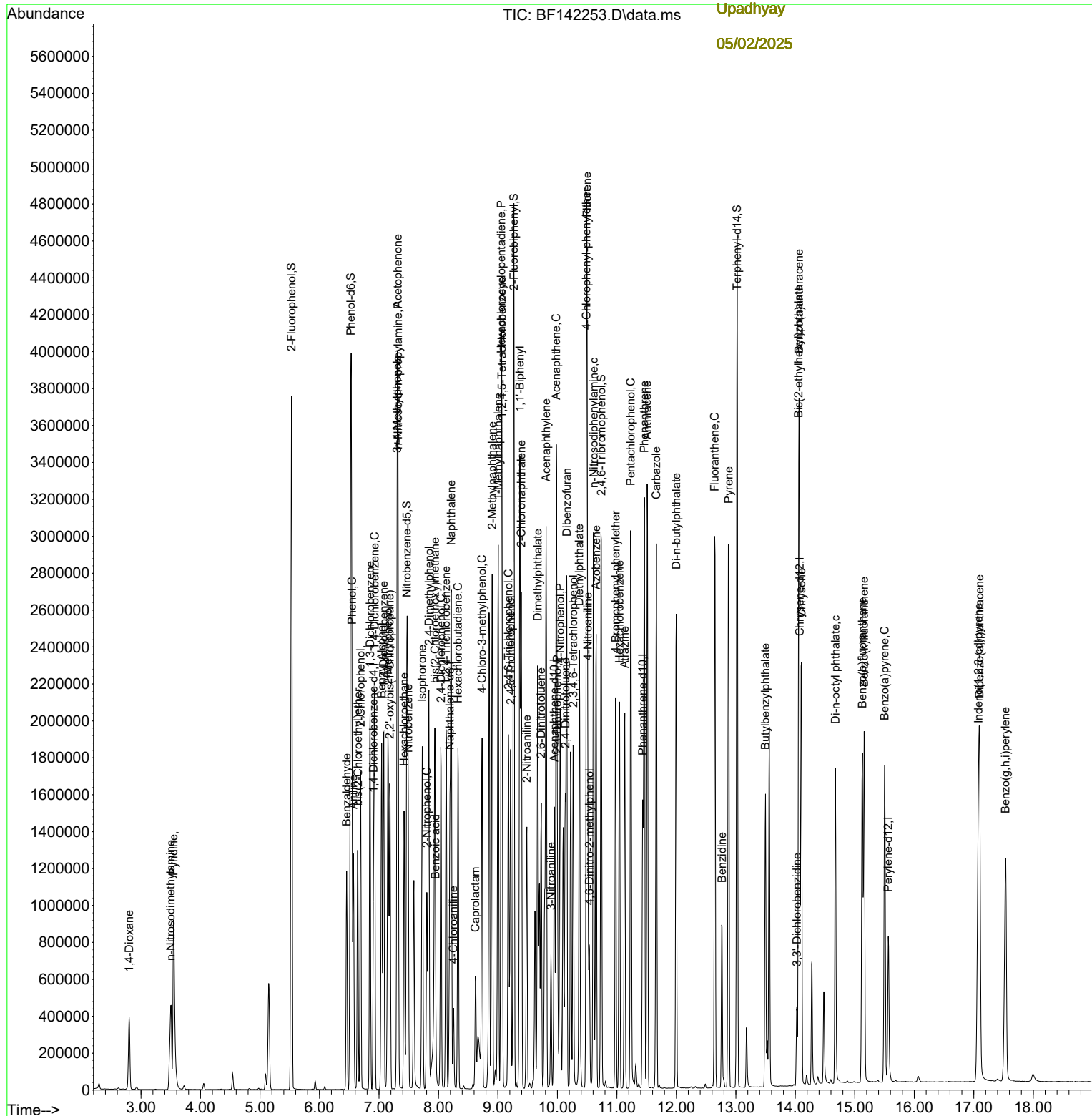
Manual Integrations

Reviewed By :Rahul
Chavli

05/02/2025
Supervised By :Jagrut
Upadhyay

05/02/2025

Quant Time: May 01 12:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF043025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 30 16:00:01 2025
Response via : Initial Calibration



Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-8MS	SDG No.:	Q1914
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:	SVOCMS Group3
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						
91-20-3	Naphthalene	3200	E	24.6	180	ug/Kg
208-96-8	Acenaphthylene	1300		31.3	180	ug/Kg
83-32-9	Acenaphthene	1400		23.0	180	ug/Kg
86-73-7	Fluorene	1600		27.4	180	ug/Kg
85-01-8	Phenanthrene	2500		22.6	180	ug/Kg
120-12-7	Anthracene	1600		36.0	180	ug/Kg
206-44-0	Fluoranthene	3100	E	32.4	180	ug/Kg
129-00-0	Pyrene	2600		38.9	180	ug/Kg
56-55-3	Benzo(a)anthracene	2200		24.9	180	ug/Kg
218-01-9	Chrysene	2100		21.5	180	ug/Kg
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
SURROGATES						
4165-60-0	Nitrobenzene-d5	91.0		18 - 107	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.7		20 - 109	45%	SPK: 100
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			

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-8MS	SDG No.:	Q1914
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:	SVOCMS Group3
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

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

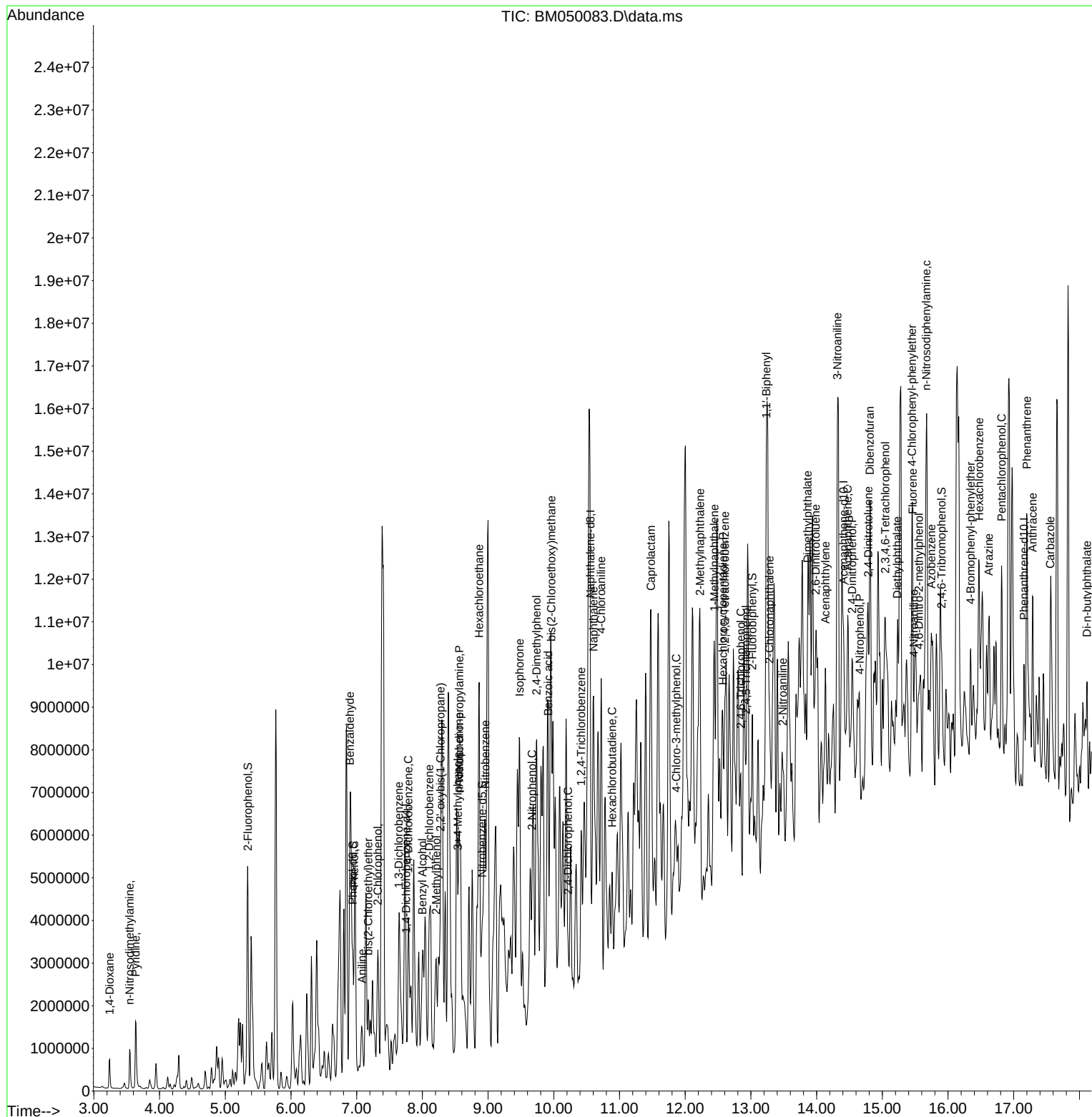
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Data File : BM050083.D
Acq On : 02 May 2025 13:20
Operator : RC/JU
Sample : Q1914-10MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

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



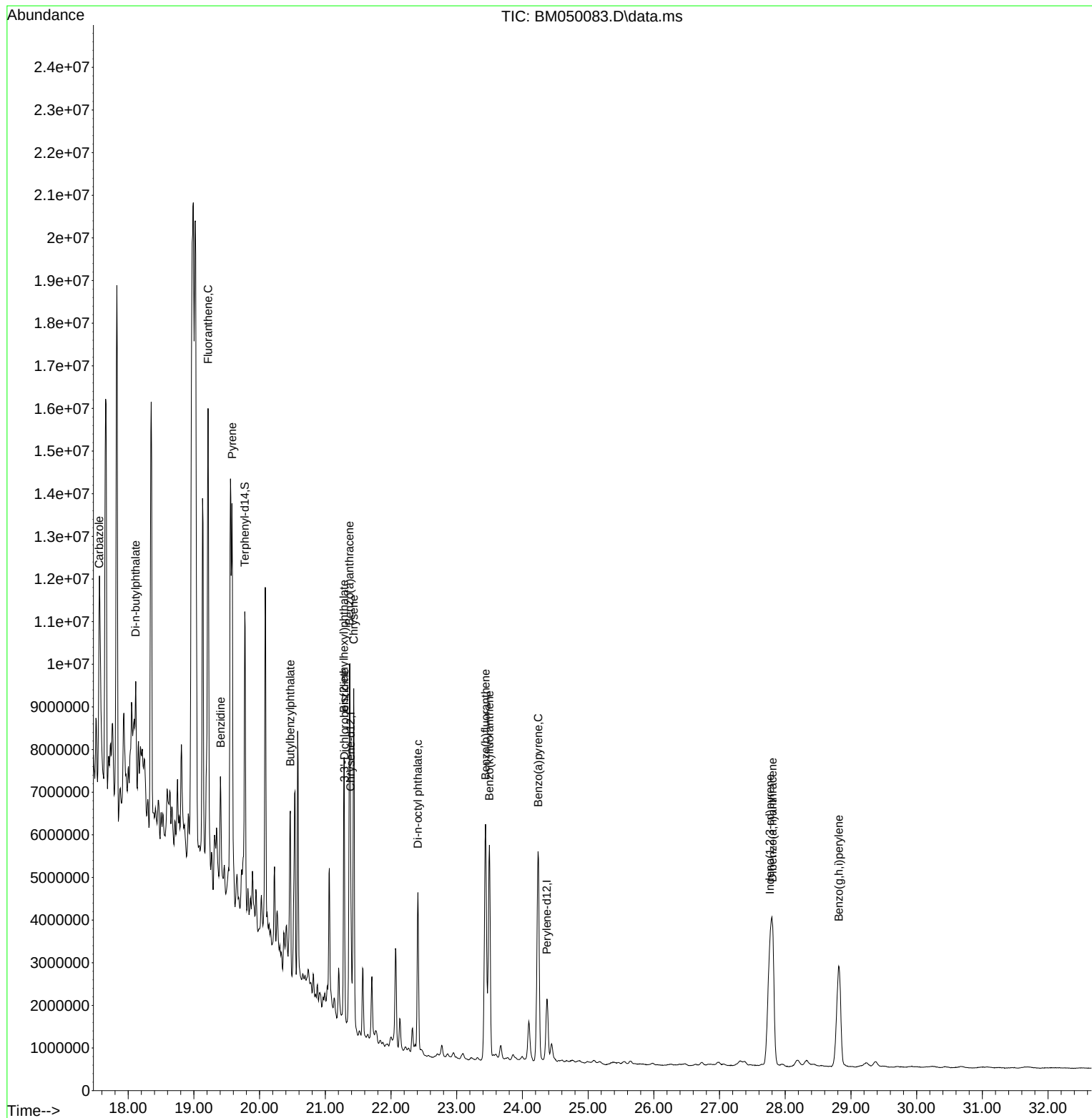
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050083.D
Acq On : 02 May 2025 13:20
Operator : RC/JU
Sample : Q1914-10MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

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



Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-8MSD	SDG No.:	Q1914
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:	SVOCMS Group3
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						
91-20-3	Naphthalene	3300	E	24.5	180	ug/Kg
208-96-8	Acenaphthylene	1400		31.2	180	ug/Kg
83-32-9	Acenaphthene	1500		23.0	180	ug/Kg
86-73-7	Fluorene	1700		27.3	180	ug/Kg
85-01-8	Phenanthrene	2500		22.6	180	ug/Kg
120-12-7	Anthracene	1700		36.0	180	ug/Kg
206-44-0	Fluoranthene	3100	E	32.4	180	ug/Kg
129-00-0	Pyrene	2700		38.9	180	ug/Kg
56-55-3	Benzo(a)anthracene	2300		24.9	180	ug/Kg
218-01-9	Chrysene	2200		21.5	180	ug/Kg
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
SURROGATES						
4165-60-0	Nitrobenzene-d5	94.8		18 - 107	95%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.5		20 - 109	48%	SPK: 100
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			

Report of Analysis

Client:	CDM Smith	Date Collected:	04/28/25
Project:	Con Ed UTEN Mount Vernon, NY	Date Received:	04/29/25
Client Sample ID:	SS-8MSD	SDG No.:	Q1914
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:	SVOCMS Group3
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

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

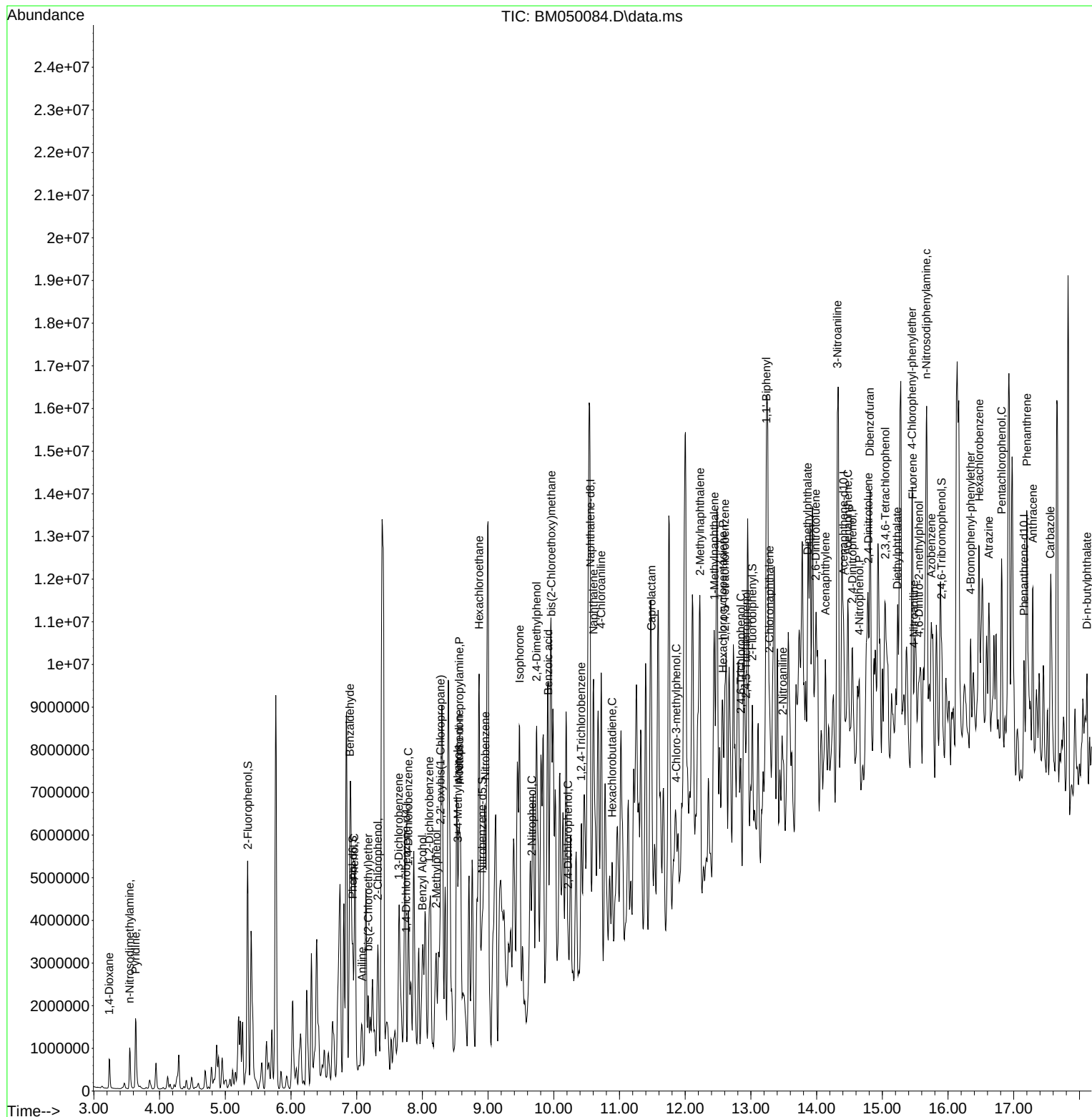
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050084.D
Acq On : 02 May 2025 14:00
Operator : RC/JU
Sample : Q1914-11MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

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



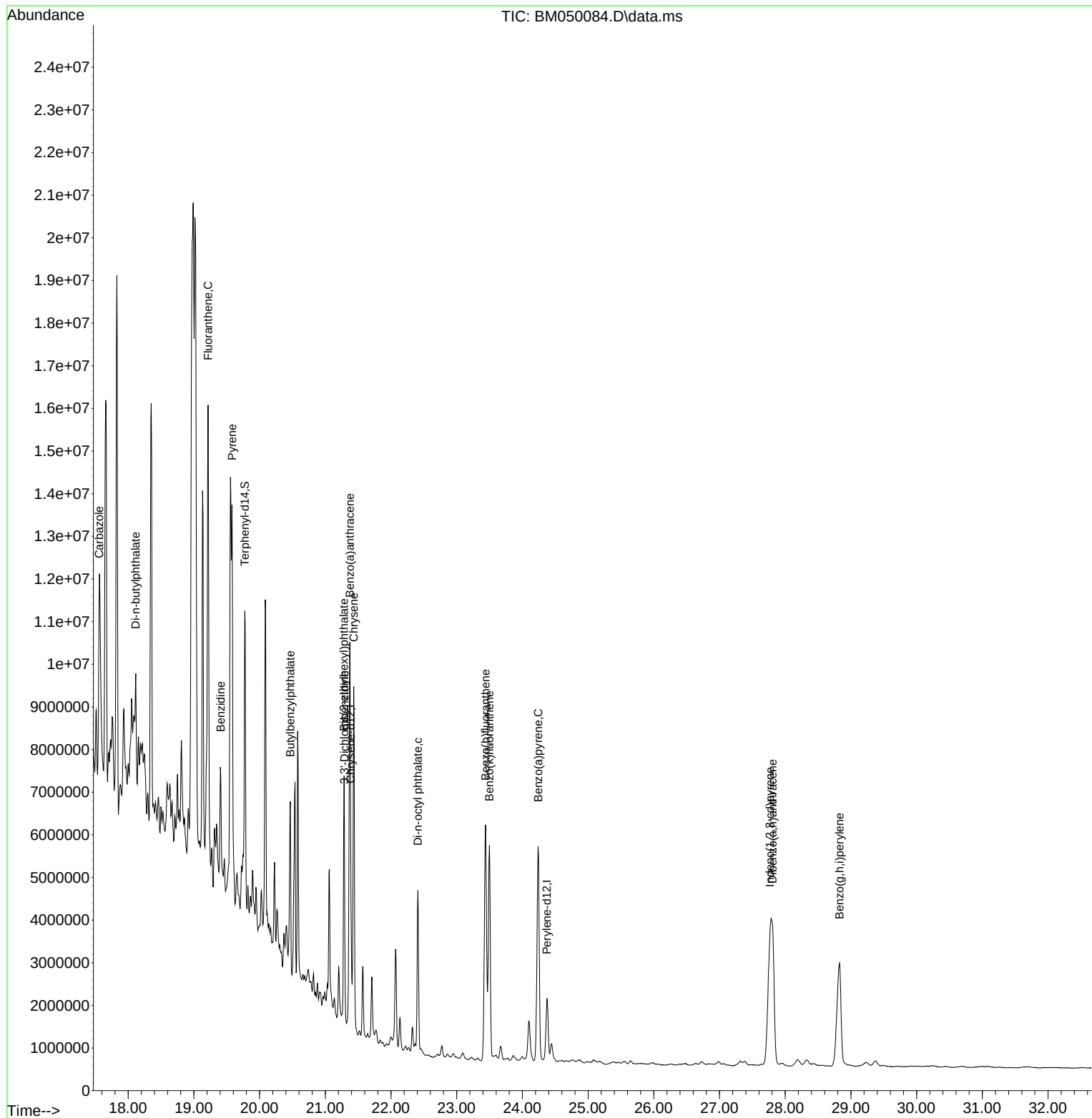
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050225\
Data File : BM050084.D
Acq On : 02 May 2025 14:00
Operator : RC/JU
Sample : Q1914-11MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

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:	BF043025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF142240.D	2,3,4,6-Tetrachlorophen ol	Rahul	5/1/2025 11:26:17 AM	Jagrut	5/1/2025 1:17:43 PM	Peak Integrated by Software
SSTDICC020	BF142242.D	Benzoic acid	Rahul	5/1/2025 11:26:23 AM	Jagrut	5/1/2025 1:17:45 PM	Peak Integrated by Software
SSTDICCC040	BF142243.D	Benzoic acid	Rahul	5/1/2025 11:26:25 AM	Jagrut	5/1/2025 1:17:48 PM	Peak Integrated by Software
SSTDICC050	BF142244.D	Phenol	Rahul	5/1/2025 11:26:27 AM	Jagrut	5/1/2025 1:17:50 PM	Peak Integrated by Software
SSTDICC060	BF142245.D	Phenol	Rahul	5/1/2025 11:26:30 AM	Jagrut	5/1/2025 1:17:52 PM	Peak Integrated by Software
SSTDICC080	BF142246.D	Benzoic acid	Rahul	5/1/2025 11:26:33 AM	Jagrut	5/1/2025 1:17:55 PM	Peak Integrated by Software
SSTDICC080	BF142246.D	Phenol	Rahul	5/1/2025 11:26:33 AM	Jagrut	5/1/2025 1:17:55 PM	Peak Integrated by Software
SSTDICV040	BF142247.D	Benzoic acid	Rahul	5/1/2025 11:26:36 AM	Jagrut	5/1/2025 1:17:57 PM	Peak Integrated by Software
SSTDICV040	BF142247.D	Phenol	Rahul	5/1/2025 11:26:36 AM	Jagrut	5/1/2025 1:17:57 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	bf050125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142250.D	Benzoic acid	Rahul	5/2/2025 10:45:14 AM	Jagrut	5/2/2025 4:47:49 PM	Peak Integrated by Software
SSTDCCC040	BF142250.D	Phenol	Rahul	5/2/2025 10:45:14 AM	Jagrut	5/2/2025 4:47:49 PM	Peak Integrated by Software
PB167798BS	BF142252.D	Benzoic acid	Rahul	5/2/2025 10:45:18 AM	Jagrut	5/2/2025 4:47:51 PM	Peak Integrated by Software
PB167798BS	BF142252.D	Caprolactam	Rahul	5/2/2025 10:45:18 AM	Jagrut	5/2/2025 4:47:51 PM	Peak Integrated by Software
PB167798BS	BF142252.D	Phenol	Rahul	5/2/2025 10:45:18 AM	Jagrut	5/2/2025 4:47:51 PM	Peak Integrated by Software
PB167798BSD	BF142253.D	Benzoic acid	Rahul	5/2/2025 10:45:22 AM	Jagrut	5/2/2025 4:47:54 PM	Peak Integrated by Software
PB167798BSD	BF142253.D	Caprolactam	Rahul	5/2/2025 10:45:22 AM	Jagrut	5/2/2025 4:47:54 PM	Peak Integrated by Software
PB167798BSD	BF142253.D	Phenol	Rahul	5/2/2025 10:45:22 AM	Jagrut	5/2/2025 4:47:54 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	BM042825	Instrument	BNA_m

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
Q1914-05	BM050072.D	Benzo(k)fluoranthene	Rahul	5/2/2025 10:53:58 AM	Jagrut	5/2/2025 4:56:43 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
Q1914-09	BM050082.D	1-Methylnaphthalene	Rahul	5/5/2025 11:30:07 AM	Jagrut	5/5/2025 11:50:36 AM	Peak Integrated by Software
Q1914-09	BM050082.D	Anthracene	Rahul	5/5/2025 11:30:07 AM	Jagrut	5/5/2025 11:50:36 AM	Peak Integrated by Software
Q1914-09	BM050082.D	Benzo(k)fluoranthene	Rahul	5/5/2025 11:30:07 AM	Jagrut	5/5/2025 11:50:36 AM	Peak Integrated by Software
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
Q1914-08	BM050089.D	1-Methylnaphthalene	Rahul	5/5/2025 11:30:22 AM	Jagrut	5/5/2025 11:50:50 AM	Peak Integrated by Software
Q1914-08	BM050089.D	Benzo(k)fluoranthene	Rahul	5/5/2025 11:30:22 AM	Jagrut	5/5/2025 11:50:50 AM	Peak Integrated by Software



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Manual Integration Report

Sequence:

BM050525

Instrument

BNA_m

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	bp041425	Instrument	BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BP024276.D	Benzaldehyde	Rahul	4/15/2025 9:45:41 AM	Jagrut	4/15/2025 10:52:38 AM	Peak Integrated by Software
SSTDICC005	BP024276.D	Benzidine	Rahul	4/15/2025 9:45:41 AM	Jagrut	4/15/2025 10:52:38 AM	Peak Integrated by Software
SSTDICC010	BP024277.D	Benzaldehyde	Rahul	4/15/2025 9:46:12 AM	Jagrut	4/15/2025 10:52:41 AM	Peak Integrated by Software
SSTDICC010	BP024277.D	Benzoic acid	Rahul	4/15/2025 9:46:12 AM	Jagrut	4/15/2025 10:52:41 AM	Peak Integrated by Software
SSTDICC020	BP024278.D	Benzoic acid	Rahul	4/15/2025 9:46:28 AM	Jagrut	4/15/2025 10:52:44 AM	Peak Integrated by Software
SSTDICC050	BP024280.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:47:02 AM	Jagrut	4/15/2025 10:52:46 AM	Peak Integrated by Software
SSTDICC050	BP024280.D	Pyridine	Rahul	4/15/2025 9:47:02 AM	Jagrut	4/15/2025 10:52:46 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Benzoic acid	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC060	BP024281.D	Pyridine	Rahul	4/15/2025 9:47:31 AM	Jagrut	4/15/2025 10:52:48 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Benzidine	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Benzoic acid	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software
SSTDICC080	BP024282.D	Pyridine	Rahul	4/15/2025 9:48:04 AM	Jagrut	4/15/2025 10:52:51 AM	Peak Integrated by Software



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Manual Integration Report

Sequence:

bp041425

Instrument

BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICV040	BP024283.D	Indeno(1,2,3-cd)pyrene	Rahul	4/15/2025 9:50:13 AM	Jagrut	4/15/2025 10:52:54 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

BP050225

Instrument

BNA_p

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q1914-07	BP024520.D	Anthracene	Rahul	5/5/2025 10:11:52 AM	Jagrut	5/5/2025 11:49:50 AM	Peak Integrated by Software
Q1914-07	BP024520.D	Benzo(a)pyrene	Rahul	5/5/2025 10:11:52 AM	Jagrut	5/5/2025 11:49:50 AM	Peak Integrated by Software
Q1914-07	BP024520.D	Benzo(b)fluoranthene	Rahul	5/5/2025 10:11:52 AM	Jagrut	5/5/2025 11:49:50 AM	Peak Integrated by Software
Q1914-07	BP024520.D	Benzo(k)fluoranthene	Rahul	5/5/2025 10:11:52 AM	Jagrut	5/5/2025 11:49:50 AM	Peak Integrated by Software
Q1914-07	BP024520.D	Dibenzo(a,h)anthracene	Rahul	5/5/2025 10:11:52 AM	Jagrut	5/5/2025 11:49:50 AM	Peak Integrated by Software

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF043025

Review By	Rahul	Review On	5/1/2025 1:20:20 PM
Supervise By	Jagrut	Supervise On	5/1/2025 1:23:08 PM
SubDirectory	BF043025	HP Acquire Method	BNA_F
		HP Processing Method	BF043025
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	BF142238.D	30 Apr 2025 10:55	RC/JU	Ok
2	SSTDICC2.5	BF142239.D	30 Apr 2025 11:24	RC/JU	Ok
3	SSTDICC005	BF142240.D	30 Apr 2025 11:52	RC/JU	Ok,M
4	SSTDICC010	BF142241.D	30 Apr 2025 12:20	RC/JU	Ok
5	SSTDICC020	BF142242.D	30 Apr 2025 12:49	RC/JU	Ok,M
6	SSTDICCC040	BF142243.D	30 Apr 2025 13:17	RC/JU	Ok,M
7	SSTDICC050	BF142244.D	30 Apr 2025 13:46	RC/JU	Ok,M
8	SSTDICC060	BF142245.D	30 Apr 2025 14:15	RC/JU	Ok,M
9	SSTDICC080	BF142246.D	30 Apr 2025 14:43	RC/JU	Ok,M
10	SSTDICV040	BF142247.D	30 Apr 2025 16:17	RC/JU	Ok,M
11	PB167726BL	BF142248.D	30 Apr 2025 17:15	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF050125

Review By	Rahul	Review On	5/2/2025 10:46:38 AM
Supervise By	Jagrut	Supervise On	5/2/2025 4:49:12 PM
SubDirectory	BF050125	HP Acquire Method	BNA_F
		HP Processing Method	BF043025
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	BF142249.D	01 May 2025 09:48	RC/JU	Ok
2	SSTDCCC040	BF142250.D	01 May 2025 10:17	RC/JU	Ok,M
3	PB167798BL	BF142251.D	01 May 2025 10:45	RC/JU	Ok
4	PB167798BS	BF142252.D	01 May 2025 11:13	RC/JU	Ok,M
5	PB167798BSD	BF142253.D	01 May 2025 11:42	RC/JU	Ok,M
6	PB167810BL	BF142254.D	01 May 2025 12:10	RC/JU	Ok
7	PB167810BS	BF142255.D	01 May 2025 12:39	RC/JU	Ok,M
8	PB167774TB	BF142256.D	01 May 2025 13:07	RC/JU	Ok
9	Q1890-01	BF142257.D	01 May 2025 13:40	RC/JU	Ok
10	Q1920-01	BF142258.D	01 May 2025 14:09	RC/JU	Ok,M
11	Q1914-14	BF142259.D	01 May 2025 14:37	RC/JU	Ok
12	Q1913-04	BF142260.D	01 May 2025 15:06	RC/JU	Ok
13	Q1915-01	BF142261.D	01 May 2025 15:34	RC/JU	Ok
14	Q1903-01	BF142262.D	01 May 2025 16:03	RC/JU	Ok
15	Q1903-02	BF142263.D	01 May 2025 16:31	RC/JU	Ok
16	Q1903-03	BF142264.D	01 May 2025 17:00	RC/JU	Ok
17	Q1906-01	BF142265.D	01 May 2025 17:29	RC/JU	Ok
18	Q1906-13	BF142266.D	01 May 2025 17:57	RC/JU	Ok
19	Q1901-06	BF142267.D	01 May 2025 18:26	RC/JU	Ok
20	Q1901-02	BF142268.D	01 May 2025 18:55	RC/JU	Ok,M
21	Q1901-02MS	BF142269.D	01 May 2025 19:24	RC/JU	Ok,M

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch ID # BF050125

Review By	Rahul	Review On	5/2/2025 10:46:38 AM		
Supervise By	Jagrut	Supervise On	5/2/2025 4:49:12 PM		
SubDirectory	BF050125	HP Acquire Method	BNA_F	HP Processing Method	BF043025
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					

22	Q1901-02MSD	BF142270.D	01 May 2025 19:52	RC/JU	Ok,M
23	Q1901-04	BF142271.D	01 May 2025 20:20	RC/JU	Ok
24	Q1901-05	BF142272.D	01 May 2025 20:49	RC/JU	Ok

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	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_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP041425

Review By	Rahul	Review On	4/15/2025 9:55:40 AM		
Supervise By	Jagrut	Supervise On	4/15/2025 10:53:04 AM		
SubDirectory	BP041425	HP Acquire Method	BNA_P	HP Processing Method	bp041425
STD. NAME		STD REF.#			
Tune/Reschk		SP6757			
Initial Calibration Stds		SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729			
CCC		SP6725			
Internal Standard/PEM		S12659,10ul/1000ul sample			
ICV/I.BLK		SP6770			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BP024274.D	14 Apr 2025 10:25	RC/JU	Ok
2	SSTDICC2.5	BP024275.D	14 Apr 2025 11:06	RC/JU	Ok
3	SSTDICC005	BP024276.D	14 Apr 2025 11:47	RC/JU	Ok,M
4	SSTDICC010	BP024277.D	14 Apr 2025 12:27	RC/JU	Ok,M
5	SSTDICC020	BP024278.D	14 Apr 2025 13:08	RC/JU	Ok,M
6	SSTDICCC040	BP024279.D	14 Apr 2025 13:49	RC/JU	Ok
7	SSTDICC050	BP024280.D	14 Apr 2025 15:10	RC/JU	Ok,M
8	SSTDICC060	BP024281.D	14 Apr 2025 16:32	RC/JU	Ok,M
9	SSTDICC080	BP024282.D	14 Apr 2025 17:13	RC/JU	Ok,M
10	SSTDICV040	BP024283.D	14 Apr 2025 18:35	RC/JU	Ok,M
11	PB167488TB	BP024284.D	14 Apr 2025 19:16	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_P**

Daily Analysis Runlog For Sequence/QC Batch ID # BP050225

Review By	Rahul	Review On	5/5/2025 10:12:48 AM
Supervise By	Jagrut	Supervise On	5/5/2025 11:50:04 AM
SubDirectory	BP050225	HP Acquire Method	BNA_P
		HP Processing Method	bp041425
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	BP024503.D	02 May 2025 10:47	RC/JU	Ok
2	SSTDCCC040	BP024504.D	02 May 2025 11:27	RC/JU	Ok
3	PB167823BL	BP024505.D	02 May 2025 12:08	RC/JU	Ok
4	PB167823BS	BP024506.D	02 May 2025 12:49	RC/JU	Ok,M
5	Q1916-01	BP024507.D	02 May 2025 13:35	RC/JU	Ok
6	Q1916-01MS	BP024508.D	02 May 2025 14:15	RC/JU	Ok
7	Q1916-01MSD	BP024509.D	02 May 2025 14:56	RC/JU	Ok,M
8	Q1917-01	BP024510.D	02 May 2025 15:38	RC/JU	Ok
9	Q1922-05	BP024511.D	02 May 2025 16:19	RC/JU	Ok
10	Q1928-01	BP024512.D	02 May 2025 17:00	RC/JU	Ok
11	Q1928-01MS	BP024513.D	02 May 2025 17:41	RC/JU	Ok,M
12	Q1928-01MSD	BP024514.D	02 May 2025 18:22	RC/JU	Ok,M
13	Q1932-01	BP024515.D	02 May 2025 19:03	RC/JU	Ok
14	Q1932-03	BP024516.D	02 May 2025 19:44	RC/JU	Ok
15	Q1932-05	BP024517.D	02 May 2025 20:25	RC/JU	Ok
16	Q1932-07	BP024518.D	02 May 2025 21:06	RC/JU	Ok
17	Q1912-05DL	BP024519.D	02 May 2025 21:46	RC/JU	Ok
18	Q1914-07	BP024520.D	02 May 2025 22:27	RC/JU	Ok,M

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF043025

Review By	Rahul	Review On	5/1/2025 1:20:20 PM
Supervise By	Jagrut	Supervise On	5/1/2025 1:23:08 PM
SubDirectory	BF043025	HP Acquire Method	BNA_F
		HP Processing Method	BF043025

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	BF142238.D	30 Apr 2025 10:55		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF142239.D	30 Apr 2025 11:24		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF142240.D	30 Apr 2025 11:52	Compound#32,54,56,65,70,85 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF142241.D	30 Apr 2025 12:20		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF142242.D	30 Apr 2025 12:49		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF142243.D	30 Apr 2025 13:17	Compound#32,48,51,53,57,62,65,80,84,85 Kept on LR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF142244.D	30 Apr 2025 13:46	Compound#26,54 Kept on QR	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF142245.D	30 Apr 2025 14:15		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF142246.D	30 Apr 2025 14:43		RC/JU	Ok,M
10	SSTDICV040	ICVBF043025	BF142247.D	30 Apr 2025 16:17		RC/JU	Ok,M
11	PB167726BL	PB167726BL	BF142248.D	30 Apr 2025 17:15		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF050125

Review By	Rahul	Review On	5/2/2025 10:46:38 AM
Supervise By	Jagrut	Supervise On	5/2/2025 4:49:12 PM
SubDirectory	BF050125	HP Acquire Method	BNA_F
		HP Processing Method	BF043025

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	BF142249.D	01 May 2025 09:48		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142250.D	01 May 2025 10:17		RC/JU	Ok,M
3	PB167798BL	PB167798BL	BF142251.D	01 May 2025 10:45		RC/JU	Ok
4	PB167798BS	PB167798BS	BF142252.D	01 May 2025 11:13		RC/JU	Ok,M
5	PB167798BSD	PB167798BSD	BF142253.D	01 May 2025 11:42		RC/JU	Ok,M
6	PB167810BL	PB167810BL	BF142254.D	01 May 2025 12:10		RC/JU	Ok
7	PB167810BS	PB167810BS	BF142255.D	01 May 2025 12:39		RC/JU	Ok,M
8	PB167774TB	PB167774TB	BF142256.D	01 May 2025 13:07		RC/JU	Ok
9	Q1890-01	TW-WTS-07	BF142257.D	01 May 2025 13:40		RC/JU	Ok
10	Q1920-01	291	BF142258.D	01 May 2025 14:09		RC/JU	Ok,M
11	Q1914-14	FB04282025	BF142259.D	01 May 2025 14:37		RC/JU	Ok
12	Q1913-04	WC-13-A-202504	BF142260.D	01 May 2025 15:06		RC/JU	Ok
13	Q1915-01	WC-04282025	BF142261.D	01 May 2025 15:34		RC/JU	Ok
14	Q1903-01	COMP-4	BF142262.D	01 May 2025 16:03		RC/JU	Ok
15	Q1903-02	COMP-5	BF142263.D	01 May 2025 16:31		RC/JU	Ok
16	Q1903-03	COMP-6	BF142264.D	01 May 2025 17:00		RC/JU	Ok
17	Q1906-01	WC-4	BF142265.D	01 May 2025 17:29		RC/JU	Ok
18	Q1906-13	WC-7	BF142266.D	01 May 2025 17:57		RC/JU	Ok

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch ID # BF050125

Review By	Rahul	Review On	5/2/2025 10:46:38 AM		
Supervise By	Jagrut	Supervise On	5/2/2025 4:49:12 PM		
SubDirectory	BF050125	HP Acquire Method	BNA_F	HP Processing Method	BF043025
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					

19	Q1901-06	FB04262025	BF142267.D	01 May 2025 18:26		RC/JU	Ok
20	Q1901-02	B-167-SB01	BF142268.D	01 May 2025 18:55		RC/JU	Ok,M
21	Q1901-02MS	B-167-SB01MS	BF142269.D	01 May 2025 19:24		RC/JU	Ok,M
22	Q1901-02MSD	B-167-SB01MSD	BF142270.D	01 May 2025 19:52		RC/JU	Ok,M
23	Q1901-04	B-167-SB02	BF142271.D	01 May 2025 20:20		RC/JU	Ok
24	Q1901-05	B-170-SB02	BF142272.D	01 May 2025 20:49		RC/JU	Ok

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

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP041425

Review By	Rahul	Review On	4/15/2025 9:55:40 AM
Supervise By	Jagrut	Supervise On	4/15/2025 10:53:04 AM
SubDirectory	BP041425	HP Acquire Method	BNA_P
		HP Processing Method	bp041425

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12659,10ul/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	BP024274.D	14 Apr 2025 10:25		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BP024275.D	14 Apr 2025 11:06		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BP024276.D	14 Apr 2025 11:47	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BP024277.D	14 Apr 2025 12:27		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BP024278.D	14 Apr 2025 13:08		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BP024279.D	14 Apr 2025 13:49	This calibration is fail for Com#77	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BP024280.D	14 Apr 2025 15:10	This calibration is good for 8270E, 8270 DOD and 625.1 methods except Compound#77	RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BP024281.D	14 Apr 2025 16:32	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BP024282.D	14 Apr 2025 17:13	Compound #69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBP041425	BP024283.D	14 Apr 2025 18:35		RC/JU	Ok,M
11	PB167488TB	PB167488TB	BP024284.D	14 Apr 2025 19:16		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP050225

Review By	Rahul	Review On	5/5/2025 10:12:48 AM
Supervise By	Jagrut	Supervise On	5/5/2025 11:50:04 AM
SubDirectory	BP050225	HP Acquire Method	BNA_P
		HP Processing Method	bp041425

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	BP024503.D	02 May 2025 10:47		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BP024504.D	02 May 2025 11:27		RC/JU	Ok
3	PB167823BL	PB167823BL	BP024505.D	02 May 2025 12:08		RC/JU	Ok
4	PB167823BS	PB167823BS	BP024506.D	02 May 2025 12:49		RC/JU	Ok,M
5	Q1916-01	WC-12	BP024507.D	02 May 2025 13:35		RC/JU	Ok
6	Q1916-01MS	WC-12MS	BP024508.D	02 May 2025 14:15		RC/JU	Ok
7	Q1916-01MSD	WC-12MSD	BP024509.D	02 May 2025 14:56		RC/JU	Ok,M
8	Q1917-01	MH-JJ	BP024510.D	02 May 2025 15:38		RC/JU	Ok
9	Q1922-05	MH-S	BP024511.D	02 May 2025 16:19		RC/JU	Ok
10	Q1928-01	MH-Q	BP024512.D	02 May 2025 17:00		RC/JU	Ok
11	Q1928-01MS	MH-QMS	BP024513.D	02 May 2025 17:41	Will be used for Non-DOD samples.	RC/JU	Ok,M
12	Q1928-01MSD	MH-QMSD	BP024514.D	02 May 2025 18:22	Will be used for Non-DOD samples.	RC/JU	Ok,M
13	Q1932-01	COMP-4	BP024515.D	02 May 2025 19:03		RC/JU	Ok
14	Q1932-03	COMP-5	BP024516.D	02 May 2025 19:44		RC/JU	Ok
15	Q1932-05	COMP-6	BP024517.D	02 May 2025 20:25		RC/JU	Ok
16	Q1932-07	COMP-7	BP024518.D	02 May 2025 21:06		RC/JU	Ok
17	Q1912-05DL	MH-FDL	BP024519.D	02 May 2025 21:46		RC/JU	Ok

Instrument ID: BNA_P

Daily Analysis Runlog For Sequence/QC Batch ID # BP050225

Review By	Rahul	Review On	5/5/2025 10:12:48 AM		
Supervise By	Jagrut	Supervise On	5/5/2025 11:50:04 AM		
SubDirectory	BP050225	HP Acquire Method	BNA_P	HP Processing Method	bp041425

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	

18	Q1914-07	SS-6	BP024520.D	02 May 2025 22:27		RC/JU	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/1/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:20
In Date: 04/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 05/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135610

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
Q1914-01	SS-1	1	1.15	10.00	11.15	10.02	88.7	
Q1914-02	SS-91	2	1.18	10.59	11.77	10.34	86.5	
Q1914-03	SS-2	3	1.18	10.20	11.38	9.76	84.1	
Q1914-04	SS-3	4	1.18	10.12	11.3	10.04	87.5	
Q1914-05	SS-4	5	1.17	10.81	11.98	10.52	86.5	
Q1914-06	SS-5	6	1.15	10.10	11.25	10.21	89.7	
Q1914-07	SS-6	7	1.19	10.20	11.39	9.74	83.8	
Q1914-08	SS-7	8	1.17	10.57	11.74	10.15	85.0	
Q1914-09	SS-8	9	1.14	9.97	11.11	10.35	92.4	
Q1914-10	Q1914-09MS	10	1.14	9.97	11.11	10.35	92.4	
Q1914-11	Q1914-09MSD	11	1.14	9.97	11.11	10.35	92.4	
Q1914-12	SS-9	12	1.16	10.03	11.19	9.9	87.1	
Q1916-01	WC-12	13	1.14	10.23	11.37	9.75	84.2	
Q1916-02	WC-12-EPH	14	1.15	10.18	11.33	10.62	93.0	
Q1916-03	WC-12-VOC	15	1.15	10.32	11.47	10.51	90.7	
Q1917-01	MH-JJ	16	1.17	10.27	11.44	10.21	88.0	
Q1917-02	MH-JJ-EPH	17	1.13	10.42	11.55	10.35	88.5	
Q1917-03	MH-JJ-VOC	18	1.18	10.38	11.56	10.24	87.3	
Q1919-01	50680	25	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1919-02	50681	26	1.00	1.00	2.00	2.00	100.0	wipe sample
Q1920-01	291	27	1.14	10.01	11.15	10.36	92.1	
Q1920-02	291-E2	28	1.19	10.16	11.35	10.54	92.0	
Q1921-01	BC226751-1-1	29	1.00	1.00	2.00	2.00	100.0	pile
Q1921-02	BC226751-1-2	30	1.00	1.00	2.00	2.00	100.0	pile
Q1921-03	BC274768-1-1	31	1.00	1.00	2.00	2.00	100.0	pile
Q1921-04	BC274768-1-2	32	1.00	1.00	2.00	2.00	100.0	pile
Q1921-05	BC271327-1-1	33	1.00	1.00	2.00	2.00	100.0	pile
Q1921-06	BC271327-1-2	34	1.00	1.00	2.00	2.00	100.0	pile



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 5/1/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:20
In Date: 04/30/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:22
Out Date: 05/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB135610

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
Q1921-07	BC248150-1-1	35	1.00	1.00	2.00	2.00	100.0	oilc
Q1921-08	BC248150-1-2	36	1.00	1.00	2.00	2.00	100.0	oilc
Q1922-01	MH-R	19	1.18	10.30	11.48	10.4	89.5	
Q1922-02	MH-R-EPH	20	1.17	10.72	11.89	10.68	88.7	
Q1922-03	MH-R-VOC	21	1.19	10.45	11.64	10.52	89.3	
Q1922-05	MH-S	22	1.19	10.04	11.23	9.98	87.5	
Q1922-06	MH-S-EPH	23	1.15	10.76	11.91	10.6	87.8	
Q1922-07	MH-2-VOC	24	1.16	10.58	11.74	10.7	90.2	
Q1923-01	TR-05-04302025	37	1.18	9.86	11.04	10.31	92.6	
Q1923-02	TR-05-04302025-E2	38	1.18	10.70	11.88	10.84	90.3	
Q1925-01	AUD-25-0068	39	1.18	10.06	11.24	11.18	99.4	
Q1925-02	AUD-25-0069	40	1.19	10.37	11.56	11.54	99.8	
Q1925-03	AUD-25-0070	41	1.16	10.58	11.74	11.65	99.1	

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

WORKLIST(Hardcopy Internal Chain)

WB 135610

WorkList Name : %1-043025

WorkList ID : 189217

Department : Wet-Chemistry

Date : 04-30-2025 08:15:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1914-01	SS-1	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	04/28/2025	Chemtech -SO
Q1914-02	SS-91	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	04/28/2025	Chemtech -SO
Q1914-03	SS-2	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	04/28/2025	Chemtech -SO
Q1914-04	SS-3	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	04/28/2025	Chemtech -SO
Q1914-05	SS-4	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	04/28/2025	Chemtech -SO
Q1914-06	SS-5	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	04/28/2025	Chemtech -SO
Q1914-07	SS-6	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	04/28/2025	Chemtech -SO
Q1914-08	SS-7	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	04/28/2025	Chemtech -SO
Q1914-09	SS-8	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	04/28/2025	Chemtech -SO
Q1914-10	Q1914-09MS	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	04/28/2025	Chemtech -SO
Q1914-11	Q1914-09MSD	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	04/28/2025	Chemtech -SO
Q1914-12	SS-9	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	04/28/2025	Chemtech -SO
Q1916-01	WC-12	Solid	Percent Solids	Cool 4 deg C	CAMP02	L41	04/28/2025	Chemtech -SO
Q1916-02	WC-12-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/30/2025	Chemtech -SO
Q1916-03	WC-12-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/30/2025	Chemtech -SO
Q1917-01	MH-JJ	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/30/2025	Chemtech -SO
Q1917-02	MH-JJ-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/30/2025	Chemtech -SO
Q1917-03	MH-JJ-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/30/2025	Chemtech -SO
Q1919-01	50680	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/30/2025	Chemtech -SO
Q1919-02	50681	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/30/2025	Chemtech -SO
Q1920-01	291	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/30/2025	Chemtech -SO

Date/Time 04/30/25 15:35

Raw Sample Received by: SB WBC

Raw Sample Relinquished by: CP SM

Date/Time 04/30/25

Raw Sample Received by: CP SM

Raw Sample Relinquished by: SB WBC

WORKLIST(Hardcopy Internal Chain)

135610

WorkList Name : %1-043025

WorkList ID : 189217

Department : Wet-Chemistry

Date : 04-30-2025 08:15:06

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1920-02	291-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/30/2025	Chemtech -SO
Q1921-01	BC226751-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/30/2025	Chemtech -SO
Q1921-02	BC226751-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/30/2025	Chemtech -SO
Q1921-03	BC274768-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/30/2025	Chemtech -SO
Q1921-04	BC274768-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/30/2025	Chemtech -SO
Q1921-05	BC271327-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/30/2025	Chemtech -SO
Q1921-06	BC271327-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/30/2025	Chemtech -SO
Q1921-07	BC248150-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/30/2025	Chemtech -SO
Q1921-08	BC248150-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L41	04/30/2025	Chemtech -SO
Q1922-01	MH-R	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/30/2025	Chemtech -SO
Q1922-02	MH-R-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/30/2025	Chemtech -SO
Q1922-03	MH-R-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/30/2025	Chemtech -SO
Q1922-05	MH-S	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/30/2025	Chemtech -SO
Q1922-06	MH-S-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/30/2025	Chemtech -SO
Q1922-07	MH-2-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/30/2025	Chemtech -SO
Q1923-01	TR-05-04302025	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	04/30/2025	Chemtech -SO
Q1923-02	TR-05-04302025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	L31	04/30/2025	Chemtech -SO
Q1925-01	AUD-25-0068	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/30/2025	Chemtech -SO
Q1925-02	AUD-25-0069	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/30/2025	Chemtech -SO
Q1925-03	AUD-25-0070	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	04/30/2025	Chemtech -SO

Date/Time 04/30/25 15:35

Raw Sample Received by: SP CWC

Raw Sample Relinquished by: SP CWC

Date/Time 04/30/25

Raw Sample Received by: SP CWC

Raw Sample Relinquished by: SP CWC

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Extraction Start Date : 04/30/2025

Matrix : Water

Extraction Start Time : 08:35

Weigh By: N/A

Extraction By: RJ

Extraction End Date : 04/30/2025

Balance check: N/A

Filter By: RJ

Extraction End Time : 16:00

Balance ID: N/A

pH Meter ID: N/A

Concentration By: EH

pH Strp Lot#: E3880

Hood ID: 4,6,7

Supervisor By : RUPESH

Extraction Method: ☒ Separatory Funnel

☐ Continous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☐ Soxhlet

Standard 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
Methylene Chloride	N/A	E3926
Baked Na2SO4	N/A	EP2607
10N NaoH	N/A	EP2559
H2SO4 1:1	N/A	EP2865
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH. Q1914-14 Added at 11:58 AM.

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

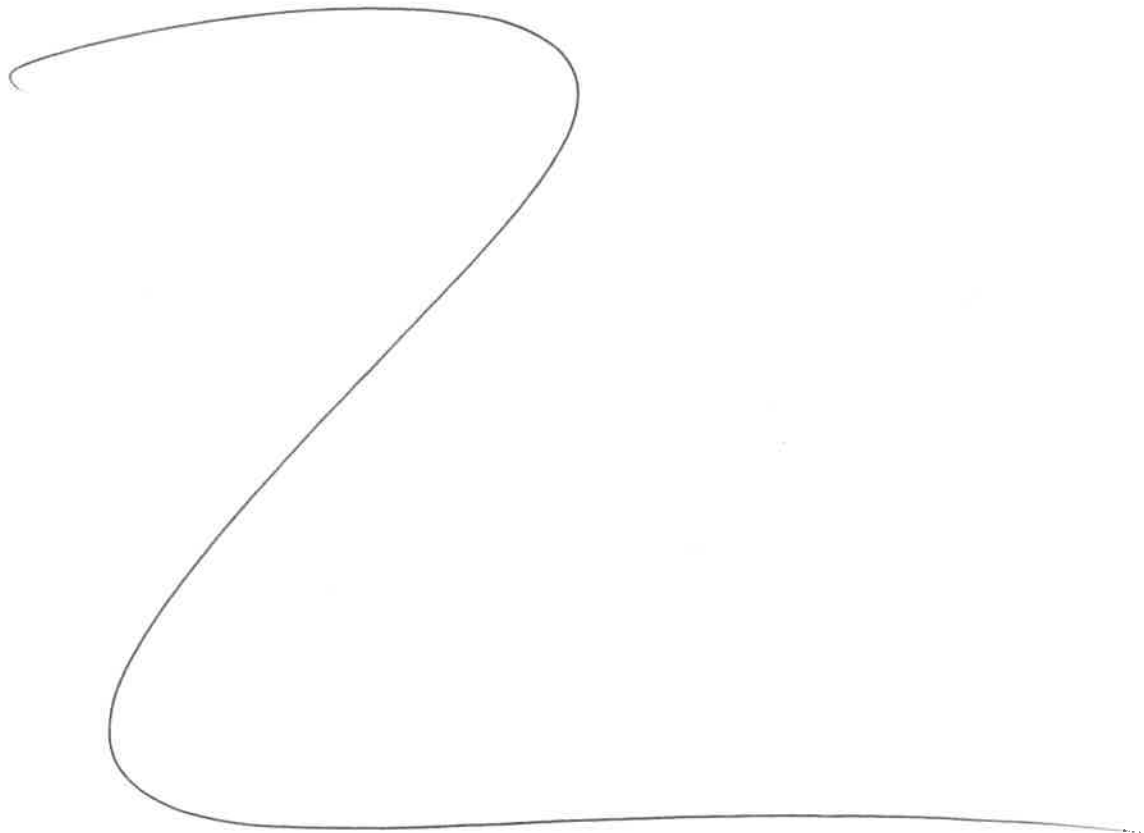
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
4/30/25	RS (Ext Lab)	RL/SVOC
16:05	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 04/30/2025

Sample ID	Client Sample ID	Test	g / ^g mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167798BL	SBLK798	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1			SEP-1
PB167798BS	SLCS798	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1			2
PB167798BS D	SLCSD798	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1			3
Q1890-01	TW-WTS-07	SVOCMS Group4	960	12	ritesh	Evelyn	1	F		4
Q1901-06	FB04262025	SVOC-TCL BNA -20	940	6	ritesh	Evelyn	1	I		5
Q1914-14	FB04282025	SVOCMS Group3	960	6	ritesh	Evelyn	1	C		6



RS
4/30

167748
5335

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1890 WorkList ID : 189223 Department : Extraction Date : 04-30-2025 08:30:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1890-01	TW-WTS-07	Water	SVOCMS Group4	Cool 4 deg C	ENTA05	L41	04/24/2025	8270E
Q1901-06	FB04262025	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L51	04/26/2025	8270E

Date/Time 04/30/25 8:30
Raw Sample Received by: RJ (Ext 946)
Raw Sample Relinquished by: RJ (Ext 946)

Date/Time 4/30/25 9:00
Raw Sample Received by: RJ (Ext 946)
Raw Sample Relinquished by: RJ (Ext 946)

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1914 WorkList ID : 189229 Department : Extraction Date : 04-30-2025 10:58:12

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1914-14	FB04282025	Water	SVOCMS Group3	Cool 4 deg C	CAMP02	L41	04/28/2025	8270E

Date/Time 4/30/25 10:58
 Raw Sample Received by: RJ (Ext-96)
 Raw Sample Relinquished by: CP SM

Date/Time 4/30/25 11:15
 Raw Sample Received by: CP SM
 Raw Sample Relinquished by: RJ (Ext-96)

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: ☐ Separatory Funnel ☐ Continuous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☒ Soxhlet

Standard 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

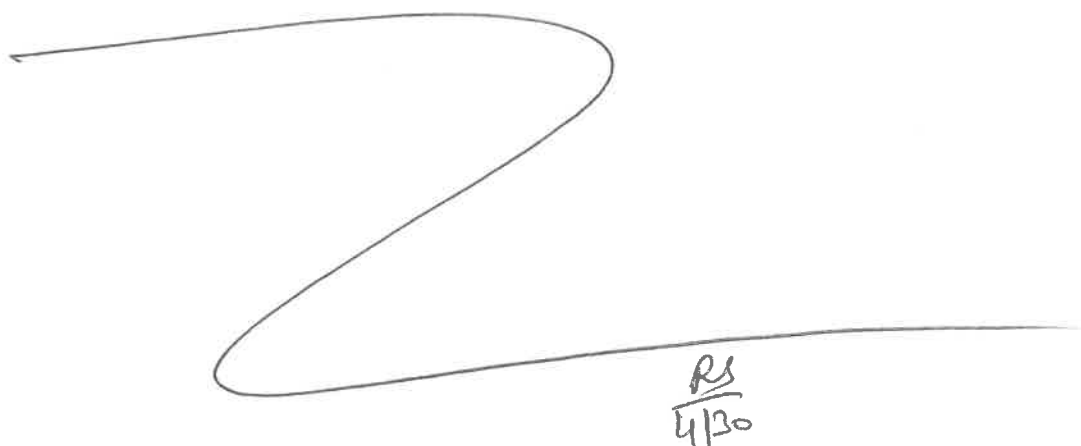
KD Bath Temperature: N/A **Envap Temperature:** 40 °C

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



* Extracts relinquished on the same date as received.

WORKLIST(Hardcopy Internal Chain)

Date : 04-30-2025 10:55:45

WorkList ID : 189228 Department : Extraction

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: CAN Smith
ADDRESS: 110 Fieldcrest Ave #8 6th Fl.
CITY: Edison STATE: NJ ZIP: 08837
ATTENTION: M. Encinas
PHONE: 732 590 4679 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: UTEN UST
PROJECT NO.: LOCATION: 4th Vernon NJ
PROJECT MANAGER: M. Encinas
e-mail: EncinasMa@cdmsmith.com
PHONE: 732 590 4079 FAX: :

CLIENT BILLING INFORMATION

BILL TO: CAN Smith PO#:
ADDRESS: 110 Fieldcrest Ave #8 6th Fl.
CITY: Edison STATE: NJ ZIP: 08837
ATTENTION: M. Encinas PHONE: 732 590 4679

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

1. 2. 3. 4. 5. 6. 7. 8. 9.
NYS ASP A 3-21-08
NYS ASP B 3-21-08
NYS ASP C 3-21-08
NYS ASP D 3-21-08

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER
			COMP	GRAB	DATE	TIME		E _F	E								
1.	SS-1	Soil		✓	4/28/05	1130	5	✓	✓								CASI 9062-2 Analysis for email See a Hardcopy
2.	SS-91	Soil		✓		1135	5	✓	✓								
3.	SS-2	Soil		✓		1140	5	✓	✓								
4.	SS-3	Soil		✓		1213	5	✓	✓								
5.	SS-4	Soil		✓		1220	5	✓	✓								
6.	SS-5	Soil		✓		1236	5	✓	✓								
7.	SS-6	Soil		✓		1253	5	✓	✓								
8.	SS-7	Soil		✓		1300	5	✓	✓								
9.	SS-8 (MS/MS)	Soil		✓		1310	15	✓	✓								
10.	SS-9	Soil		✓		1353											

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP _____ °C
1. <u>KC</u>	<u>4/29/05 1345</u>	<u>[Signature]</u>	Comments: <u>Temp 2.8° Adjustment factor + 1 D IR gun #1</u>
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
2. <u>[Signature]</u>		<u>[Signature]</u>	
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	
3. <u>[Signature]</u>	<u>4-29-25 1650</u>	<u>[Signature]</u>	

Page _____ of _____

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete

☐ YES ☐ NO

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: CDM Smith
ADDRESS: 110 Fieldcrest Ave #8 6th Floor
CITY Edison STATE: NJ ZIP: 08837
ATTENTION: M. Encinas
PHONE: 732 590 4679 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: UTEN UST
PROJECT NO.: LOCATION: Mt Vernon NJ
PROJECT MANAGER: M. Encinas
e-mail: Encinas.ma@cdmsmith.com
PHONE: 732 590 4679 FAX:

CLIENT BILLING INFORMATION

BILL TO: CDM Smith PO#:
ADDRESS: 110 Fieldcrest Ave #8 6th Floor
CITY Edison STATE: NJ ZIP: 08837
ATTENTION: M. Encinas PHONE: 732 590 4679

ANALYSIS

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

MUSCLE CFS
Tale 3-2 VAC
NYS ASP CFS
Tale 3-2 VAC

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		A	E								
1.	FB 0428225	Ag		✓	4/18/05	1930	3	✓	✓								CDM Table 3-2 Analysis Per spec See attach
2.																	
3.																	
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>4/29/05 1345</u>	RECEIVED BY: <u>[Signature]</u> 1345	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>2.8</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY:	Comments: <u>Temp 2.8C CADJUSTment factor +1 IR Gun #1</u>
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>4-29-05 1650</u>	RECEIVED BY:	

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 : Q1914	CAMP02	Order Date : 4/29/2025 2:19:16 PM	Project Mgr :
Client Name : CDM Smith		Project Name : Con Ed UTEN Mount Vern	Report Type : NYS ASPA
Client Contact : Marcie Ann Encinas		Receive DateTime : 4/29/2025 4:50:00 PM	EDD Type : EQUIS
Invoice Name : CDM Smith		Purchase Order :	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1914-01	SS-1	Solid	04/28/2025	11:30					
					VOCMS Group3		8260D	10 Bus. Days	
Q1914-02	SS-91	Solid	04/28/2025	11:35					
					VOCMS Group3		8260D	10 Bus. Days	
Q1914-03	SS-2	Solid	04/28/2025	11:40					
					VOCMS Group3		8260D	10 Bus. Days	
Q1914-04	SS-3	Solid	04/28/2025	12:15					
				12:18	VOCMS Group3		8260D	10 Bus. Days	
Q1914-05	SS-4	Solid	04/28/2025	12:20					
					VOCMS Group3		8260D	10 Bus. Days	
Q1914-06	SS-5	Solid	04/28/2025	12:36					
					VOCMS Group3		8260D	10 Bus. Days	
Q1914-07	SS-6	Solid	04/28/2025	12:53					
					VOCMS Group3		8260D	10 Bus. Days	
Q1914-08	SS-7	Solid	04/28/2025	13:00					

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1914	CAMP02	Order Date : 4/29/2025 2:19:16 PM	Project Mgr :
Client Name : CDM Smith		Project Name : Con Ed UTEN Mount Vern	Report Type : NYS ASP A
Client Contact : Marcie Ann Encinas		Receive DateTime : 4/29/2025 4:50:00 PM	EDD Type : EQUIS
Invoice Name : CDM Smith		Purchase Order :	Hard Copy Date :
Invoice Contact : Marcie Ann Encinas			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOCMS Group3		8260D		10 Bus. Days
Q1914-09	SS-8	Solid	04/28/2025	13:10					
					VOCMS Group3		8260D		10 Bus. Days
Q1914-10	Q1914-09MS	Solid	04/28/2025	13:10					
					VOCMS Group3		8260D		10 Bus. Days
Q1914-11	Q1914-09MSD	Solid	04/28/2025	13:10					
					VOCMS Group3		8260D		10 Bus. Days
Q1914-12	SS-9	Solid	04/28/2025	13:53					
					VOCMS Group3		8260D		10 Bus. Days
Q1914-14	FB04282025	Water	04/28/2025	00:00 14:30					
					VOCMS Group3		8260-Low		10 Bus. Days

Relinquished By :

Date / Time :

[Signature]
4/30/25 18:35

Received By :

Date / Time :

[Signature]
4/30/25 10:35
Rgt # 6
Rgt 2
Rgt 4

Storage Area : VOA Refridgerator Room