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

Cover Page

Order ID : Q1739

Project ID : Con Edison - 11th Ave-West 50th St Site

Client : PARSONS Engineering of New York, Inc.

Lab Sample Number	Client Sample Number
Q1739-01	WC-LIQUID-20250404
Q1739-02	WC-LIQUID-20250404

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

Signature : _____

Date: 4/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1739**

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

QA Review Signature: **PRATHA PARGHI** **Date:** **04/14/2025**

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LAB CHRONICLE

OrderID:	Q1739	**OrderDate:**	4/4/2025 2:08:31 PM
Client:	PARSONS Engineering of New York, Inc.	**Project:**	Con Edison - 11th Ave-West 50th St Site
Contact:	Stephen Liberatore	**Location:**	L31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1739-01	**WC-LIQUID-20250404**	**Water**			**04/04/25**			**04/04/25**
			SVOC-TCL BNA -20	8270E		04/08/25	04/09/25	
Q1739-02	**WC-LIQUID-20250404**	**TCLP**			**04/04/25**			**04/04/25**
			TCLP BNA	8270E		04/08/25	04/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1739

Client: PARSONS Engineering of New York, Inc.

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**WC-LIQUID-20250404**								
Q1739-01	WC-LIQUID-20250404	WATER	Phenanthrene		510.000	J	100	1000	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	Fluoranthene		2,500.000		170	1000	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	Pyrene		2,200.000		100	1000	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	Benzo(a)anthracene		660.000	J	92.8	1000	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	Chrysene		630.000	J	90.7	1000	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	Benzo(b)fluoranthene		850.000	J	100	1000	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	Benzo(k)fluoranthene		530.000	J	99	1000	ug/L
			Total Svoc :		**7,880.00**				
Q1739-01	WC-LIQUID-20250404	WATER	1,2,4-Oxadiazol-5(4H)-one, 4-(2-(	*	6,700.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	1H-Cyclopenta[a]phenanthrene, 1	*	3,500.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	2,4,4,6,6,8,8-Heptamethyl-2-none	*	4,400.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	4-(2-Carbamoyl-2-cyano-1-methy	*	3,800.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	Benzene, (1,1,4,6,6-pentamethylh(	*	5,100.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	Benzene, (1-ethylundecyl)-	*	4,900.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	Benzene, (1-methyldodecyl)-	*	9,900.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	Benzene, (1-methyltridecyl)-	*	3,900.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	Benzene, (1-methylundecyl)-	*	3,400.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	Benzene, (1-propyldecyl)-	*	2,700.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	unknown13.469	*	3,000.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	unknown15.369	*	3,400.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	unknown17.486	*	2,000.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	unknown21.127	*	2,700.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	unknown21.633	*	4,200.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	unknown21.727	*	3,800.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	unknown22.051	*	4,400.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	unknown22.674	*	3,400.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	unknown23.380	*	4,100.000	J	0	0	ug/L
Q1739-01	WC-LIQUID-20250404	WATER	Cyclohexanone, 3-butyl-	*	3,300.000	J	0	0	ug/L
			Total Tics :		**82,600.00**				
			Total Concentration:		**90,480.00**				

QC
SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: Q1739

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167521BL	PB167521BL	2-Fluorophenol	150	128	86		10	139
		Phenol-d6	150	125	83		10	134
		Nitrobenzene-d5	100	88.3	88		49	133
		2-Fluorobiphenyl	100	89.2	89		52	132
		2,4,6-Tribromophenol	150	136	91		44	137
		Terphenyl-d14	100	108	108		48	125
PB167521BS	PB167521BS	2-Fluorophenol	150	119	79		10	139
		Phenol-d6	150	118	78		10	134
		Nitrobenzene-d5	100	79.5	79		49	133
		2-Fluorobiphenyl	100	82.6	83		52	132
		2,4,6-Tribromophenol	150	130	87		44	137
		Terphenyl-d14	100	94.4	94		48	125
PB167521BSD	PB167521BSD	2-Fluorophenol	150	125	83		10	139
		Phenol-d6	150	122	82		10	134
		Nitrobenzene-d5	100	84.5	84		49	133
		2-Fluorobiphenyl	100	84.4	84		52	132
		2,4,6-Tribromophenol	150	136	91		44	137
		Terphenyl-d14	100	98.6	99		48	125
Q1739-01	WC-LIQUID-20250404	2-Fluorophenol	150	11.2	7	*	10	139
		Phenol-d6	150	12.0	8	*	10	134
		Nitrobenzene-d5	100	34.2	34	*	49	133
		2-Fluorobiphenyl	100	44.0	44	*	52	132
		2,4,6-Tribromophenol	150	23.2	15	*	44	137
		Terphenyl-d14	100	59.4	59		48	125

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1739

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E **DataFile:** BM049861.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167521BS	Benzaldehyde	50	35.7	ug/L	71				10	162	
	Phenol	50	42.1	ug/L	84				66	118	
	bis(2-Chloroethyl)ether	50	41.4	ug/L	83				62	103	
	2-Chlorophenol	50	41.6	ug/L	83				70	117	
	2-Methylphenol	50	44.0	ug/L	88				69	109	
	2,2-oxybis(1-Chloropropane)	50	43.2	ug/L	86				65	100	
	Acetophenone	50	41.0	ug/L	82				60	104	
	3+4-Methylphenols	50	43.6	ug/L	87				67	106	
	N-Nitroso-di-n-propylamine	50	42.8	ug/L	86				57	107	
	Hexachloroethane	50	41.0	ug/L	82				76	118	
	Nitrobenzene	50	40.6	ug/L	81				58	106	
	Isophorone	50	43.6	ug/L	87				61	102	
	2-Nitrophenol	50	40.0	ug/L	80				70	115	
	2,4-Dimethylphenol	50	60.6	ug/L	121				42	142	
	bis(2-Chloroethoxy)methane	50	41.6	ug/L	83				58	109	
	2,4-Dichlorophenol	50	41.7	ug/L	83				66	115	
	Naphthalene	50	39.4	ug/L	79				64	107	
	4-Chloroaniline	50	21.2	ug/L	42				10	85	
	Hexachlorobutadiene	50	41.2	ug/L	82				69	101	
	Caprolactam	50	39.5	ug/L	79				58	128	
	4-Chloro-3-methylphenol	50	41.8	ug/L	84				65	114	
	2-Methylnaphthalene	50	36.8	ug/L	74				64	107	
	Hexachlorocyclopentadiene	100	180	ug/L	180		*		36	160	
	2,4,6-Trichlorophenol	50	43.1	ug/L	86				61	110	
	2,4,5-Trichlorophenol	50	43.2	ug/L	86				70	106	
	1,1-Biphenyl	50	41.6	ug/L	83				72	98	
	2-Chloronaphthalene	50	42.2	ug/L	84				59	106	
	2-Nitroaniline	50	43.8	ug/L	88				73	114	
	Dimethylphthalate	50	42.1	ug/L	84				64	103	
	Acenaphthylene	50	45.7	ug/L	91				79	103	
	2,6-Dinitrotoluene	50	43.4	ug/L	87				64	110	
	3-Nitroaniline	50	22.2	ug/L	44				28	100	
	Acenaphthene	50	41.7	ug/L	83				59	113	
	2,4-Dinitrophenol	100	80.2	ug/L	80				36	166	
	4-Nitrophenol	100	92.4	ug/L	92				45	147	
	Dibenzofuran	50	40.7	ug/L	81				65	106	
	2,4-Dinitrotoluene	50	45.8	ug/L	92				60	115	
	Diethylphthalate	50	41.2	ug/L	82				63	105	
	4-Chlorophenyl-phenylether	50	43.1	ug/L	86				61	104	
	Fluorene	50	42.7	ug/L	85				64	107	
	4-Nitroaniline	50	41.6	ug/L	83				55	125	
	4,6-Dinitro-2-methylphenol	50	43.6	ug/L	87				62	132	
	N-Nitrosodiphenylamine	50	44.3	ug/L	89				61	109	
	4-Bromophenyl-phenylether	50	43.4	ug/L	87				73	103	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1739

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E **DataFile:** BM049861.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167521BS	Hexachlorobenzene	50	43.8	ug/L	88				73	106	
	Atrazine	50	62.2	ug/L	124		*		76	120	
	Pentachlorophenol	100	87.0	ug/L	87				47	114	
	Phenanthrene	50	43.8	ug/L	88				62	109	
	Anthracene	50	45.4	ug/L	91				65	110	
	Carbazole	50	43.7	ug/L	87				62	106	
	Di-n-butylphthalate	50	41.8	ug/L	84				64	106	
	Fluoranthene	50	42.1	ug/L	84				64	110	
	Pyrene	50	43.8	ug/L	88				71	103	
	Butylbenzylphthalate	50	42.3	ug/L	85				61	105	
	3,3-Dichlorobenzidine	50	23.5	ug/L	47				43	108	
	Benzo(a)anthracene	50	44.0	ug/L	88				62	107	
	Chrysene	50	43.1	ug/L	86				61	108	
	bis(2-Ethylhexyl)phthalate	50	41.7	ug/L	83				59	110	
	Di-n-octyl phthalate	50	40.0	ug/L	80				52	139	
	Benzo(b)fluoranthene	50	41.9	ug/L	84				77	113	
	Benzo(k)fluoranthene	50	44.5	ug/L	89				77	105	
	Benzo(a)pyrene	50	46.4	ug/L	93				72	131	
	Indeno(1,2,3-cd)pyrene	50	44.5	ug/L	89				72	105	
	Dibenz(a,h)anthracene	50	44.0	ug/L	88				78	115	
	Benzo(g,h,i)perylene	50	42.3	ug/L	85				75	118	
	1,2,4,5-Tetrachlorobenzene	50	42.4	ug/L	85				72	101	
	1,4-Dioxane	50	32.1	ug/L	64				38	125	
	2,3,4,6-Tetrachlorophenol	50	42.1	ug/L	84				63	116	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1739

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E **DataFile:** BM049862.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167521BSD	Benzaldehyde	50	37.4	ug/L	75	5			10	162	20
	Phenol	50	44.7	ug/L	89	6			66	118	20
	bis(2-Chloroethyl)ether	50	43.9	ug/L	88	6			62	103	20
	2-Chlorophenol	50	44.4	ug/L	89	7			70	117	20
	2-Methylphenol	50	46.6	ug/L	93	6			69	109	20
	2,2-oxybis(1-Chloropropane)	50	45.5	ug/L	91	5			65	100	20
	Acetophenone	50	43.3	ug/L	87	5			60	104	20
	3+4-Methylphenols	50	45.7	ug/L	91	5			67	106	20
	N-Nitroso-di-n-propylamine	50	44.1	ug/L	88	3			57	107	20
	Hexachloroethane	50	43.4	ug/L	87	6			76	118	20
	Nitrobenzene	50	43.6	ug/L	87	7			58	106	20
	Isophorone	50	46.7	ug/L	93	7			61	102	20
	2-Nitrophenol	50	43.4	ug/L	87	8			70	115	20
	2,4-Dimethylphenol	50	63.9	ug/L	128	5			42	142	20
	bis(2-Chloroethoxy)methane	50	44.3	ug/L	89	6			58	109	20
	2,4-Dichlorophenol	50	44.3	ug/L	89	6			66	115	20
	Naphthalene	50	42.1	ug/L	84	7			64	107	20
	4-Chloroaniline	50	25.5	ug/L	51	18			10	85	20
	Hexachlorobutadiene	50	44.3	ug/L	89	7			69	101	20
	Caprolactam	50	42.2	ug/L	84	7			58	128	20
	4-Chloro-3-methylphenol	50	43.7	ug/L	87	4			65	114	20
	2-Methylnaphthalene	50	39.1	ug/L	78	6			64	107	20
	Hexachlorocyclopentadiene	100	190	ug/L	190	5	*		36	160	20
	2,4,6-Trichlorophenol	50	44.4	ug/L	89	3			61	110	20
	2,4,5-Trichlorophenol	50	45.0	ug/L	90	4			70	106	20
	1,1-Biphenyl	50	43.1	ug/L	86	4			72	98	20
	2-Chloronaphthalene	50	43.6	ug/L	87	3			59	106	20
	2-Nitroaniline	50	45.9	ug/L	92	5			73	114	20
	Dimethylphthalate	50	43.8	ug/L	88	4			64	103	20
	Acenaphthylene	50	47.0	ug/L	94	3			79	103	20
	2,6-Dinitrotoluene	50	45.4	ug/L	91	5			64	110	20
	3-Nitroaniline	50	26.5	ug/L	53	18			28	100	20
	Acenaphthene	50	42.9	ug/L	86	3			59	113	20
	2,4-Dinitrophenol	100	84.7	ug/L	85	5			36	166	20
	4-Nitrophenol	100	99.6	ug/L	100	7			45	147	20
	Dibenzofuran	50	41.8	ug/L	84	3			65	106	20
	2,4-Dinitrotoluene	50	48.1	ug/L	96	5			60	115	20
	Diethylphthalate	50	42.9	ug/L	86	4			63	105	20
	4-Chlorophenyl-phenylether	50	44.7	ug/L	89	4			61	104	20
	Fluorene	50	44.5	ug/L	89	4			64	107	20
	4-Nitroaniline	50	44.6	ug/L	89	7			55	125	20
	4,6-Dinitro-2-methylphenol	50	45.4	ug/L	91	4			62	132	20
	N-Nitrosodiphenylamine	50	45.8	ug/L	92	3			61	109	20
	4-Bromophenyl-phenylether	50	44.9	ug/L	90	3			73	103	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1739

Client: PARSONS Engineering of New York, Inc.

Analytical Method: 8270E **DataFile:** BM049862.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB167521BSD	Hexachlorobenzene	50	45.6	ug/L	91	4			73	106	20
	Atrazine	50	66.0	ug/L	132	6	*		76	120	20
	Pentachlorophenol	100	92.0	ug/L	92	6			47	114	20
	Phenanthrene	50	45.9	ug/L	92	5			62	109	20
	Anthracene	50	47.6	ug/L	95	5			65	110	20
	Carbazole	50	46.1	ug/L	92	5			62	106	20
	Di-n-butylphthalate	50	44.1	ug/L	88	5			64	106	20
	Fluoranthene	50	45.0	ug/L	90	7			64	110	20
	Pyrene	50	45.9	ug/L	92	5			71	103	20
	Butylbenzylphthalate	50	44.3	ug/L	89	5			61	105	20
	3,3-Dichlorobenzidine	50	25.9	ug/L	52	10			43	108	20
	Benzo(a)anthracene	50	46.5	ug/L	93	6			62	107	20
	Chrysene	50	45.1	ug/L	90	5			61	108	20
	bis(2-Ethylhexyl)phthalate	50	44.1	ug/L	88	6			59	110	20
	Di-n-octyl phthalate	50	42.3	ug/L	85	6			52	139	20
	Benzo(b)fluoranthene	50	45.0	ug/L	90	7			77	113	20
	Benzo(k)fluoranthene	50	47.2	ug/L	94	6			77	105	20
	Benzo(a)pyrene	50	49.1	ug/L	98	6			72	131	20
	Indeno(1,2,3-cd)pyrene	50	46.9	ug/L	94	5			72	105	20
	Dibenz(a,h)anthracene	50	46.2	ug/L	92	5			78	115	20
	Benzo(g,h,i)perylene	50	44.3	ug/L	89	5			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	44.4	ug/L	89	5			72	101	20
	1,4-Dioxane	50	35.7	ug/L	71	11			38	125	20
	2,3,4,6-Tetrachlorophenol	50	43.7	ug/L	87	4			63	116	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167521BL

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG NO.: Q1739

Lab File ID: BM049860.D Lab Sample ID: PB167521BL

Instrument ID: BNA_M Date Extracted: 04/08/2025

Matrix: (soil/water) Water Date Analyzed: 04/09/2025

Level: (low/med) LOW Time Analyzed: 09:48

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167521BS	PB167521BS	BM049861.D	04/09/2025
PB167521BSD	PB167521BSD	BM049862.D	04/09/2025
WC-LIQUID-20250404	Q1739-01	BM049874.D	04/09/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q1739 SDG NO.: Q1739

Lab File ID: BM049847.D DFTPP Injection Date: 04/08/2025

Instrument ID: BNA_M DFTPP Injection Time: 12:55

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	0.3 (1.2) 1
69	Mass 69 relative abundance	26.5
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	34.9
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	26.5
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	12.4
442	Greater than 50% of mass 198	81.2
443	15.0 - 24.0% of mass 442	15.3 (18.8) 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	BM049848.D	04/08/2025	13:35
SSTDICC005	SSTDICC005	BM049849.D	04/08/2025	14:14
SSTDICC010	SSTDICC010	BM049850.D	04/08/2025	14:53
SSTDICC020	SSTDICC020	BM049851.D	04/08/2025	15:32
SSTDICCC040	SSTDICCC040	BM049852.D	04/08/2025	16:12
SSTDICC050	SSTDICC050	BM049853.D	04/08/2025	17:30
SSTDICC060	SSTDICC060	BM049854.D	04/08/2025	19:28
SSTDICC080	SSTDICC080	BM049855.D	04/08/2025	20:07

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: Q1739 SDG NO.: Q1739

Lab File ID: BM049858.D DFTPP Injection Date: 04/09/2025

Instrument ID: BNA_M DFTPP Injection Time: 08:30

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 (1.4) 1
69	Mass 69 relative abundance	28.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	35.4
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	7.1
275	10.0 - 60.0% of mass 198	25.8
365	Greater than 1% of mass 198	3.4
441	Present, but less than mass 443	11.4
442	Greater than 50% of mass 198	71.5
443	15.0 - 24.0% of mass 442	13.8 (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
SSTDCCC040	SSTDCCC040	BM049859.D	04/09/2025	09:09
PB167521BL	PB167521BL	BM049860.D	04/09/2025	09:48
PB167521BS	PB167521BS	BM049861.D	04/09/2025	10:27
PB167521BSD	PB167521BSD	BM049862.D	04/09/2025	11:06
WC-LIQUID-20250404	Q1739-01	BM049874.D	04/09/2025	19:01

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG NO.: Q1739

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/09/2025

Lab File ID: BM049859.D Time Analyzed: 09:09

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	296698	7.775	1015270	10.57	639621	14.42
	UPPER LIMIT	593396	8.275	2030540	11.069	1279240	14.922
	LOWER LIMIT	148349	7.275	507635	10.069	319811	13.922
	EPA SAMPLE NO.						
01	PB167521BL	332281	7.78	1132680	10.57	701970	14.42
02	PB167521BS	336910	7.78	1172190	10.57	730256	14.42
03	PB167521BSD	335066	7.78	1150030	10.57	735598	14.42
04	WC-LIQUID-20250404	308218	7.78	1102330	10.57	706620	14.42

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG NO.: Q1739

EPA Sample No.: SSTDCCC040 Date Analyzed: 04/09/2025

Lab File ID: BM049859.D Time Analyzed: 09:09

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	1259630	17.163	1253560	21.398	1316820	24.397
	UPPER LIMIT	2519260	17.663	2507120	21.898	2633640	24.897
	LOWER LIMIT	629815	16.663	626780	20.898	658410	23.897
	EPA SAMPLE NO.						
01	PB167521BL	1345530	17.16	1270010	21.40	1381060	24.39
02	PB167521BS	1422910	17.16	1400190	21.40	1421400	24.39
03	PB167521BSD	1446570	17.16	1438520	21.40	1424300	24.39
04	WC-LIQUID-20250404	1461110	17.16	1753620	21.41	1659150	24.42

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

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SAMPLE DATA

Raw Data: **BM049874.D**

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	04/04/25
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	04/04/25
Client Sample ID:	WC-LIQUID-20250404	SDG No.:	Q1739
Lab Sample ID:	Q1739-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049874.D	20	04/08/25 11:55	04/09/25 19:01	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	810	U	810	2100	ug/L
108-95-2	Phenol	190	U	190	1000	ug/L
111-44-4	bis(2-Chloroethyl)ether	170	U	170	1000	ug/L
95-57-8	2-Chlorophenol	120	U	120	1000	ug/L
95-48-7	2-Methylphenol	230	U	230	1000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	260	U	260	1000	ug/L
98-86-2	Acetophenone	150	U	150	1000	ug/L
65794-96-9	3+4-Methylphenols	230	U	230	2100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	290	U	290	520	ug/L
67-72-1	Hexachloroethane	130	U	130	1000	ug/L
98-95-3	Nitrobenzene	160	U	160	1000	ug/L
78-59-1	Isophorone	150	U	150	1000	ug/L
88-75-5	2-Nitrophenol	360	U	360	1000	ug/L
105-67-9	2,4-Dimethylphenol	380	U	380	1000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	140	U	140	1000	ug/L
120-83-2	2,4-Dichlorophenol	110	U	110	1000	ug/L
91-20-3	Naphthalene	100	U	100	1000	ug/L
106-47-8	4-Chloroaniline	170	U	170	1000	ug/L
87-68-3	Hexachlorobutadiene	110	U	110	1000	ug/L
105-60-2	Caprolactam	230	U	230	2100	ug/L
59-50-7	4-Chloro-3-methylphenol	120	U	120	1000	ug/L
91-57-6	2-Methylnaphthalene	120	U	120	1000	ug/L
77-47-4	Hexachlorocyclopentadiene	750	UQ	750	2100	ug/L
88-06-2	2,4,6-Trichlorophenol	110	U	110	1000	ug/L
95-95-4	2,4,5-Trichlorophenol	130	U	130	1000	ug/L
92-52-4	1,1-Biphenyl	110	U	110	1000	ug/L
91-58-7	2-Chloronaphthalene	130	U	130	1000	ug/L
88-74-4	2-Nitroaniline	260	U	260	1000	ug/L
131-11-3	Dimethylphthalate	130	U	130	1000	ug/L

Raw Data: **BM049874.D**

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	04/04/25
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	04/04/25
Client Sample ID:	WC-LIQUID-20250404	SDG No.:	Q1739
Lab Sample ID:	Q1739-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049874.D	20	04/08/25 11:55	04/09/25 19:01	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	150	U	150	1000	ug/L
606-20-2	2,6-Dinitrotoluene	190	U	190	1000	ug/L
99-09-2	3-Nitroaniline	220	U	220	1000	ug/L
83-32-9	Acenaphthene	110	U	110	1000	ug/L
51-28-5	2,4-Dinitrophenol	1200	U	1200	2100	ug/L
100-02-7	4-Nitrophenol	490	U	490	2100	ug/L
132-64-9	Dibenzofuran	130	U	130	1000	ug/L
121-14-2	2,4-Dinitrotoluene	250	U	250	1000	ug/L
84-66-2	Diethylphthalate	140	U	140	1000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	140	U	140	1000	ug/L
86-73-7	Fluorene	130	U	130	1000	ug/L
100-01-6	4-Nitroaniline	310	U	310	1000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	590	U	590	2100	ug/L
86-30-6	n-Nitrosodiphenylamine	120	U	120	1000	ug/L
101-55-3	4-Bromophenyl-phenylether	82.5	U	82.5	1000	ug/L
118-74-1	Hexachlorobenzene	110	U	110	1000	ug/L
1912-24-9	Atrazine	210	UQ	210	1000	ug/L
87-86-5	Pentachlorophenol	330	U	330	2100	ug/L
85-01-8	Phenanthrene	510	J	100	1000	ug/L
120-12-7	Anthracene	130	U	130	1000	ug/L
86-74-8	Carbazole	150	U	150	1000	ug/L
84-74-2	Di-n-butylphthalate	250	U	250	1000	ug/L
206-44-0	Fluoranthene	2500		170	1000	ug/L
129-00-0	Pyrene	2200		100	1000	ug/L
85-68-7	Butylbenzylphthalate	400	U	400	1000	ug/L
91-94-1	3,3-Dichlorobenzidine	190	U	190	2100	ug/L
56-55-3	Benzo(a)anthracene	660	J	92.8	1000	ug/L
218-01-9	Chrysene	630	J	90.7	1000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	330	1000	ug/L
117-84-0	Di-n-octyl phthalate	480	U	480	2100	ug/L
205-99-2	Benzo(b)fluoranthene	850	J	100	1000	ug/L

Raw Data: **BM049874.D**

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	04/04/25
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	04/04/25
Client Sample ID:	WC-LIQUID-20250404	SDG No.:	Q1739
Lab Sample ID:	Q1739-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049874.D	20	04/08/25 11:55	04/09/25 19:01	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	530	J	99.0	1000	ug/L
50-32-8	Benzo(a)pyrene	110	U	110	1000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	1000	ug/L
53-70-3	Dibenzo(a,h)anthracene	140	U	140	1000	ug/L
191-24-2	Benzo(g,h,i)perylene	140	U	140	1000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	1000	ug/L
123-91-1	1,4-Dioxane	210	U	210	1000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	150	1000	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	11.2	*	10 - 139	7%	SPK: 150
13127-88-3	Phenol-d6	12.0	*	10 - 134	8%	SPK: 150
4165-60-0	Nitrobenzene-d5	34.2	*	49 - 133	34%	SPK: 100
321-60-8	2-Fluorobiphenyl	44.0	*	52 - 132	44%	SPK: 100
118-79-6	2,4,6-Tribromophenol	23.2	*	44 - 137	15%	SPK: 150
1718-51-0	Terphenyl-d14	59.4		48 - 125	59%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	308000	7.781			
1146-65-2	Naphthalene-d8	1100000	10.569			
15067-26-2	Acenaphthene-d10	707000	14.422			
1517-22-2	Phenanthrene-d10	1460000	17.163			
1719-03-5	Chrysene-d12	1750000	21.41			
1520-96-3	Perylene-d12	1660000	24.415			
TENTATIVE IDENTIFIED COMPOUNDS						
039178-69-3	Cyclohexanone, 3-butyl-	3300	J		11.8	ug/L
039761-73-4	2,4,4,6,6,8,8-Heptamethyl-2-nonene	4400	J		12.9	ug/L
	unknown13.469	3000	J		13.5	ug/L
	unknown15.369	3400	J		15.4	ug/L
002719-61-1	Benzene, (1-methylundecyl)-	3400	J		17.1	ug/L
004534-51-4	Benzene, (1-propyldecyl)-	2700	J		17.3	ug/L
	unknown17.486	2000	J		17.5	ug/L

Raw Data: **BM049874.D**

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Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	04/04/25
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	04/04/25
Client Sample ID:	WC-LIQUID-20250404	SDG No.:	Q1739
Lab Sample ID:	Q1739-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	10000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049874.D	20	04/08/25 11:55	04/09/25 19:01	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
004534-52-5	Benzene, (1-ethylundecyl)-	4900	J		17.5	ug/L
055134-07-1	Benzene, (1,1,4,6,6-pentamethylhep	5100	J		17.7	ug/L
004534-53-6	Benzene, (1-methyldodecyl)-	9900	J		17.8	ug/L
004534-59-2	Benzene, (1-methyltridecyl)-	3900	J		18.6	ug/L
	unknown21.127	2700	J		21.1	ug/L
	unknown21.633	4200	J		21.6	ug/L
	unknown21.727	3800	J		21.7	ug/L
000474-20-4	1H-Cyclopenta[a]phenanthrene, 17-(	3500	J		22.0	ug/L
	unknown22.051	4400	J		22.1	ug/L
1000311-98-1	4-(2-Carbamoyl-2-cyano-1-methylvin	3800	J		22.3	ug/L
	unknown22.674	3400	J		22.7	ug/L
288246-55-9	1,2,4-Oxadiazol-5(4H)-one, 4-(2-ch	6700	J		22.9	ug/L
	unknown23.380	4100	J		23.4	ug/L

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\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Quant Time: Apr 10 01:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	308218	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1102332	20.000	ng	0.00
39) Acenaphthene-d10	14.422	164	706620	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1461110	20.000	ng	0.00
76) Chrysene-d12	21.410	240	1753624	20.000	ng	# 0.00
86) Perylene-d12	24.415	264	1659153	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.364	112	1018	0.056	ng	0.00
7) Phenol-d6	6.958	99	1359	0.060	ng	0.00
23) Nitrobenzene-d5	8.934	82	3379	0.171	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1193	0.116	ng	0.00
45) 2-Fluorobiphenyl	13.040	172	11467	0.220	ng	0.00
79) Terphenyl-d14	19.792	244	27822	0.297	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.210	178	199028	2.485	ng	# 88
75) Fluoranthene	19.227	202	1170698	11.886	ng	# 56
78) Pyrene	19.586	202	1314242	10.874	ng	# 79
81) Benzo(a)anthracene	21.392	228	370264	3.177	ng	# 76
83) Chrysene	21.451	228	339306	3.062	ng	# 84
88) Benzo(b)fluoranthene	23.468	252	434875	4.104	ng	# 75
89) Benzo(k)fluoranthene	23.527	252	265854	2.589	ng	# 69

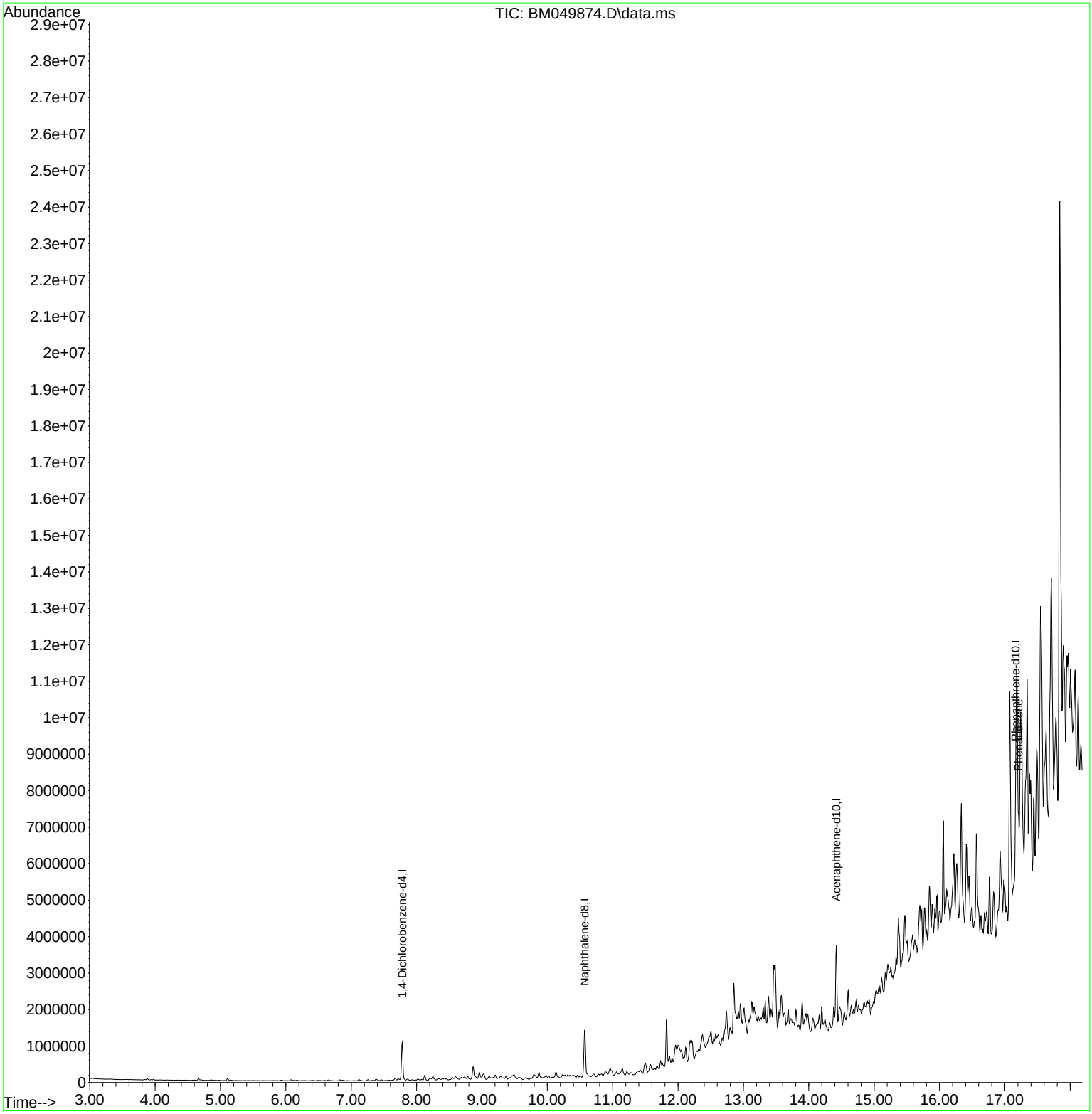
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BM049874.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Quant Time: Apr 10 01:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

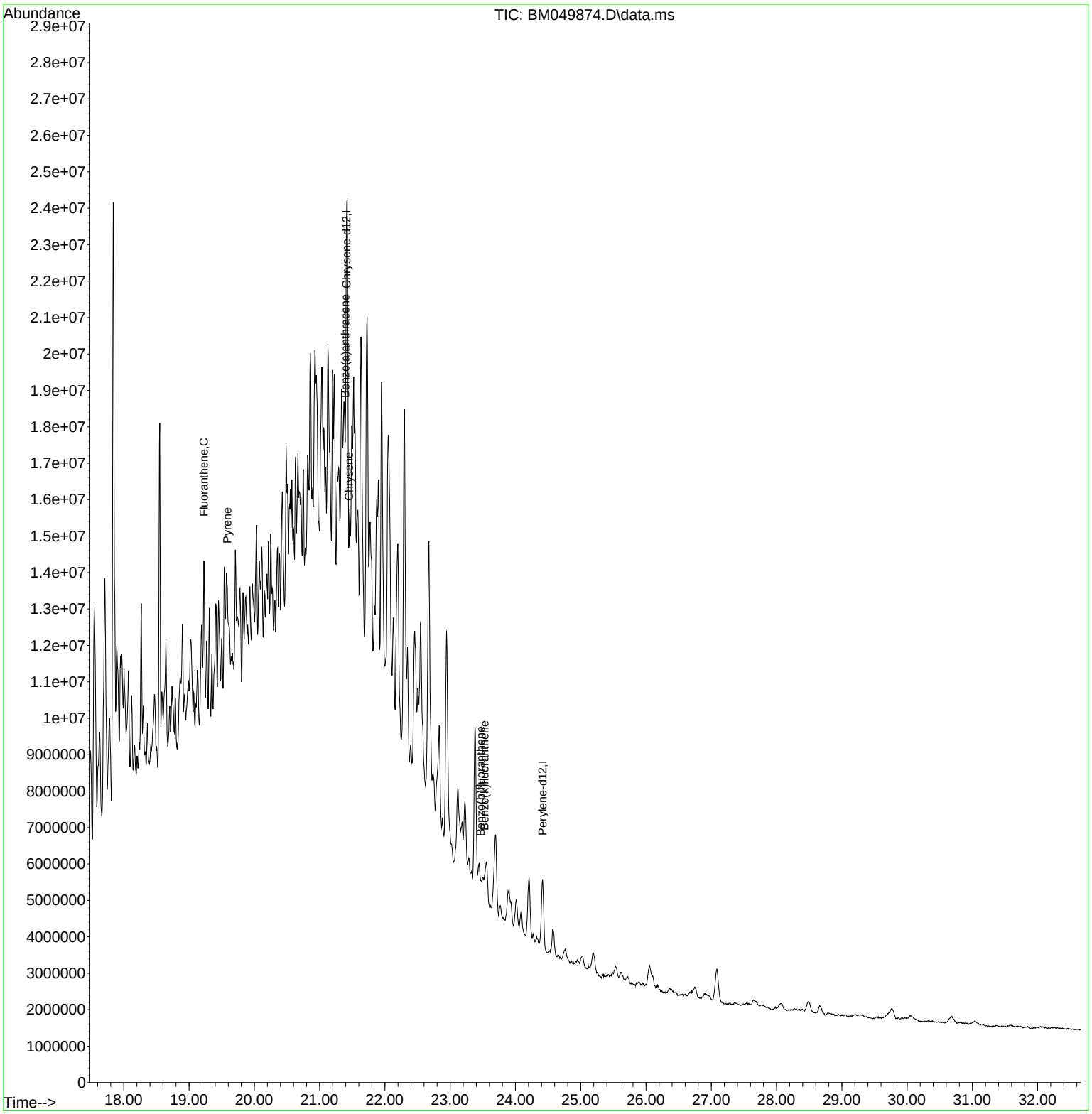


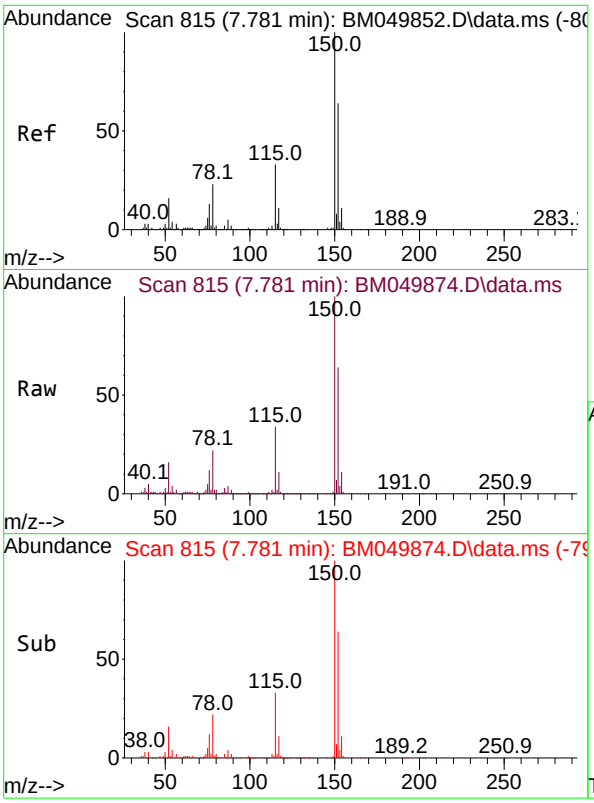
Sample Results: **BM049874.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Quant Time: Apr 10 01:24:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



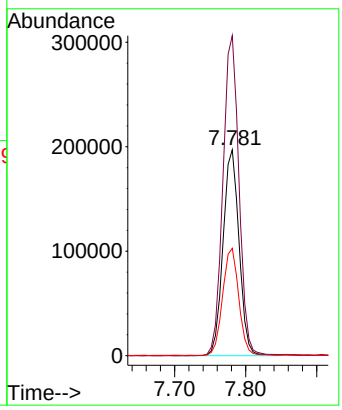


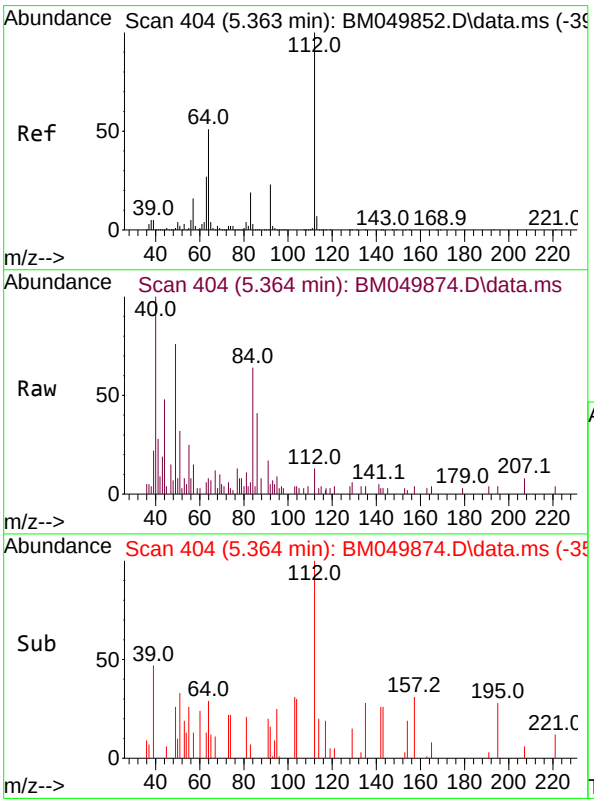
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:152 Resp: 308218

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.3	186.5
115	52.1	41.1	61.7

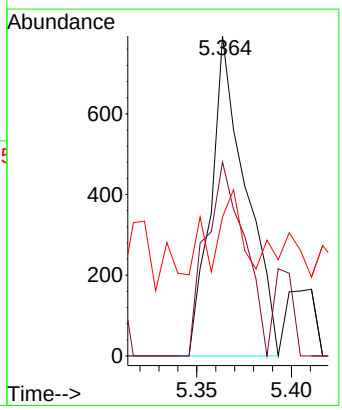


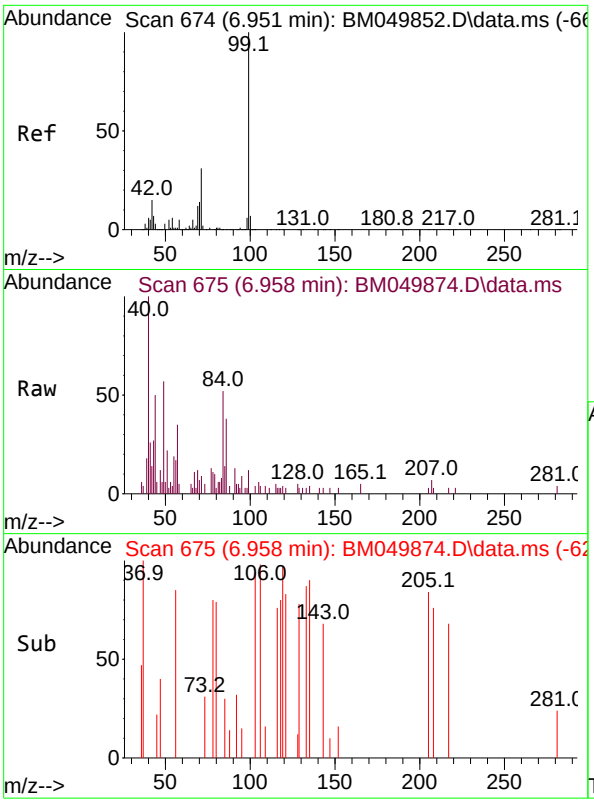


#5
2-Fluorophenol
Concen: 0.056 ng
RT: 5.364 min Scan# 404
Delta R.T. 0.000 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Tgt Ion:112 Resp: 1018

Ion	Ratio	Lower	Upper
112	100		
64	60.7	41.0	61.6
63	43.4	21.5	32.3#



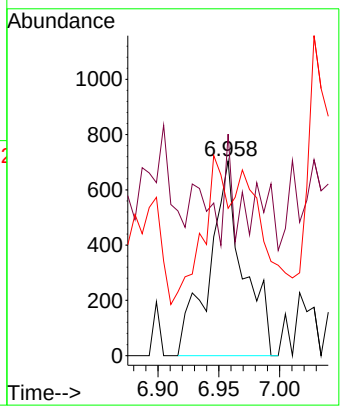


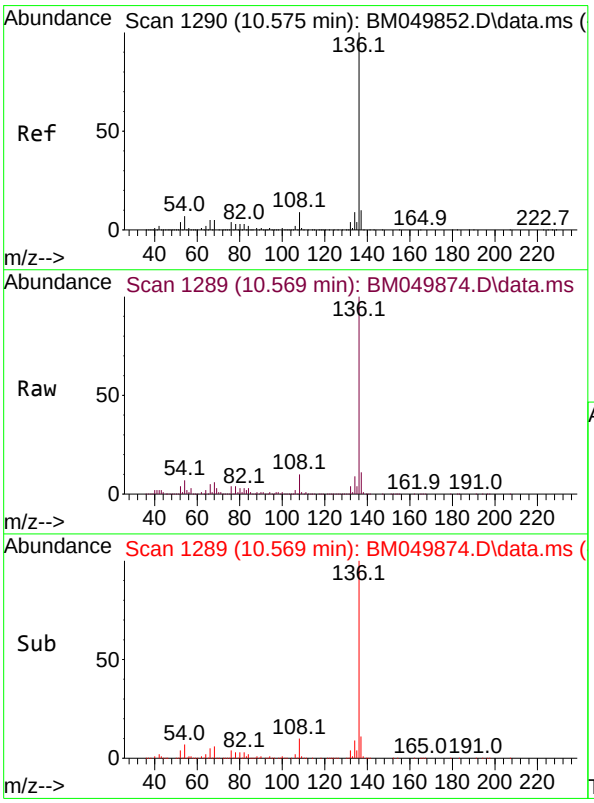
#7
Phenol-d6
Concen: 0.060 ng
RT: 6.958 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion: 99 Resp: 1359

Ion	Ratio	Lower	Upper
99	100		
42	113.8	12.1	18.1#
71	75.6	24.9	37.3#

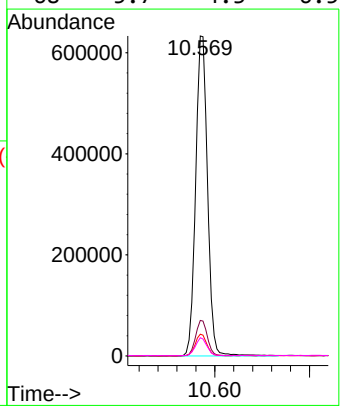


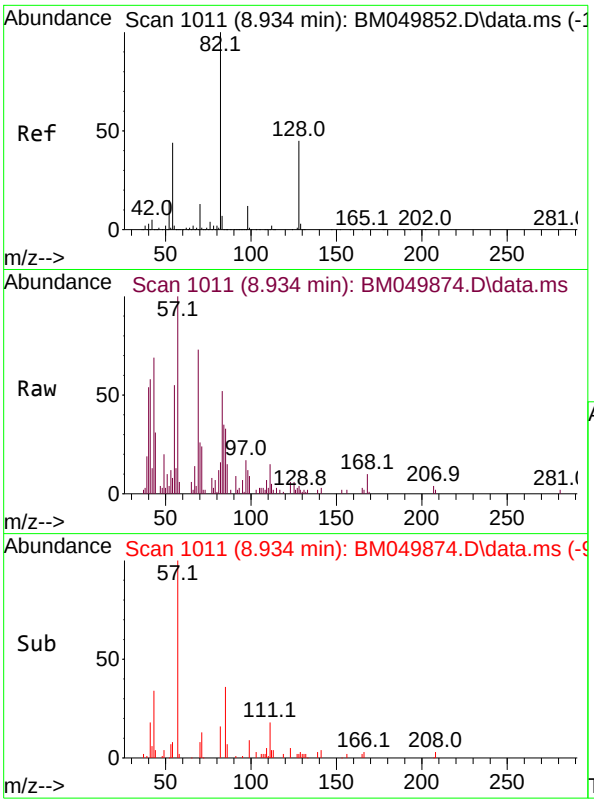


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.005 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Tgt Ion:136 Resp: 1102332

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	6.8	5.3	7.9
68	5.7	4.3	6.5



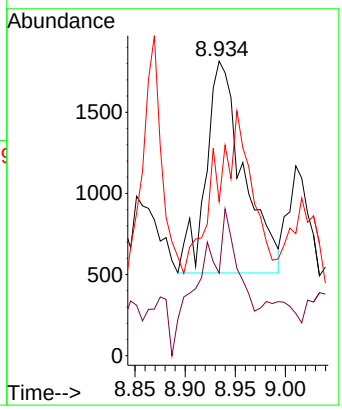


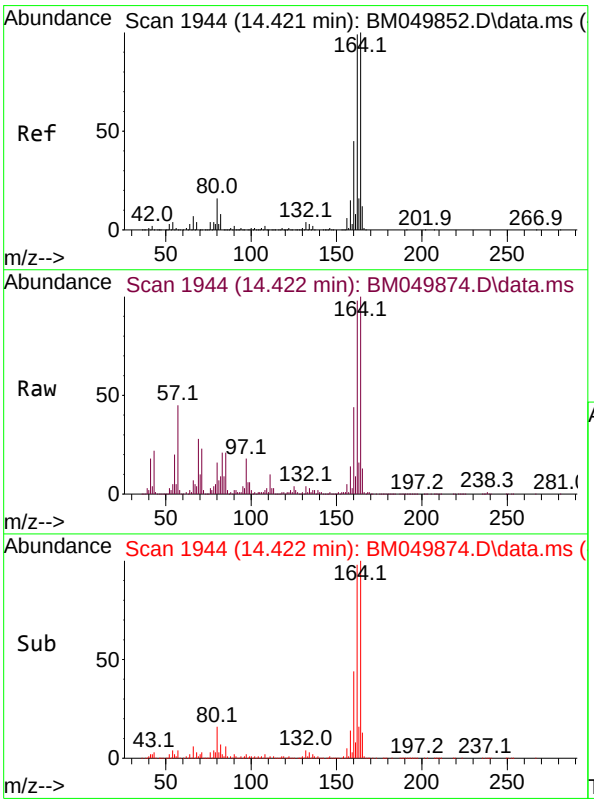
#23
Nitrobenzene-d5
Concen: 0.171 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion: 82 Resp: 3379

Ion	Ratio	Lower	Upper
82	100		
128	28.1	36.2	54.2#
54	52.4	35.0	52.6

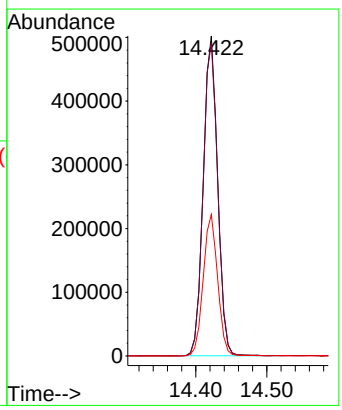


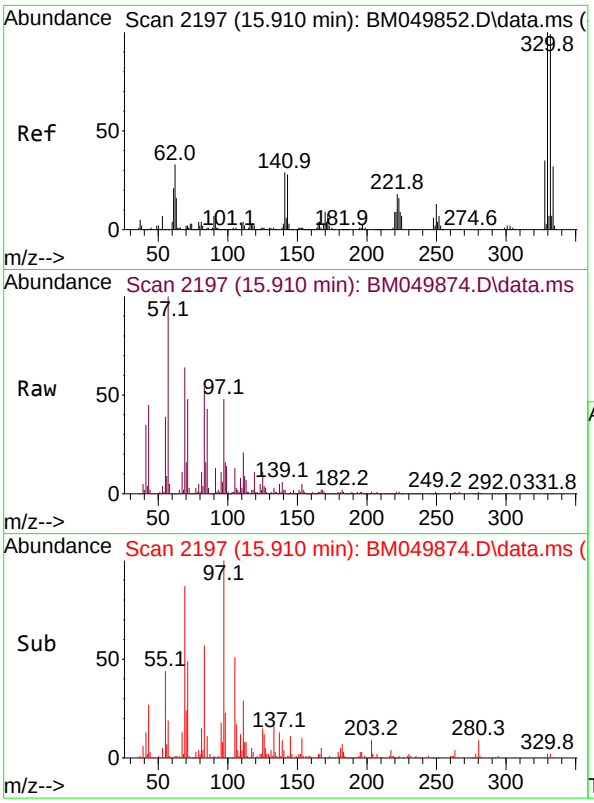


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1944
Delta R.T. 0.000 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Tgt Ion:164 Resp: 706620

Ion	Ratio	Lower	Upper
164	100		
162	97.7	79.4	119.0
160	44.2	36.2	54.2



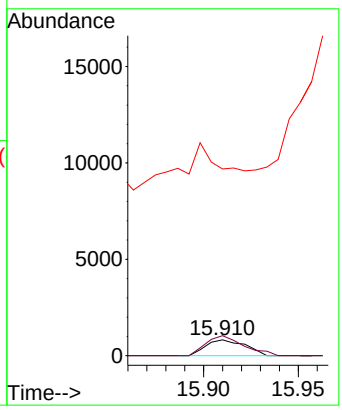


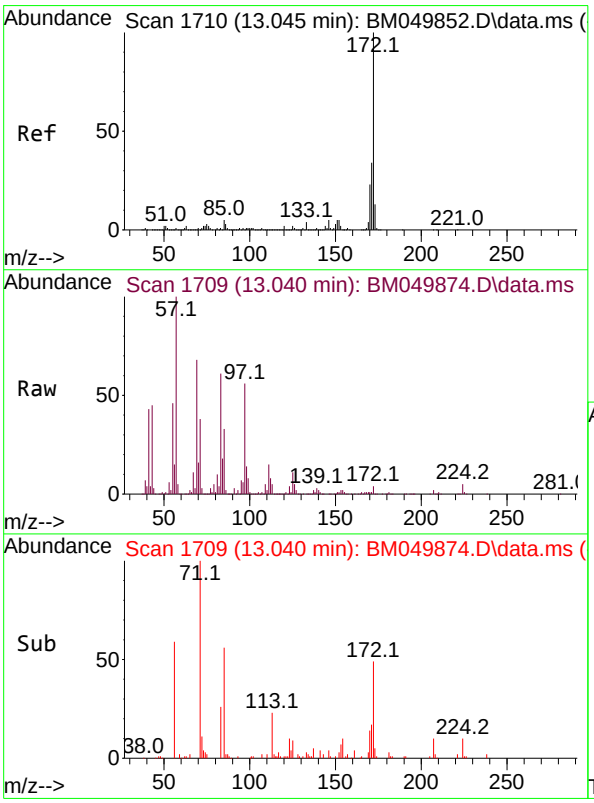
#42
2,4,6-Tribromophenol
Concen: 0.116 ng
RT: 15.910 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:330 Resp: 1193

Ion	Ratio	Lower	Upper
330	100		
332	119.9	78.0	117.0#
141	332.3	23.5	35.3#

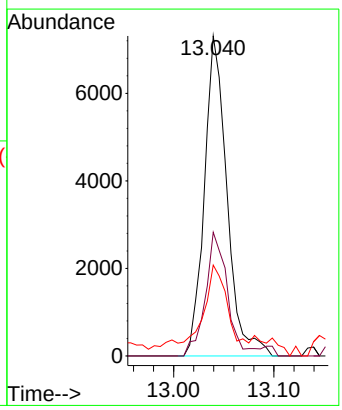


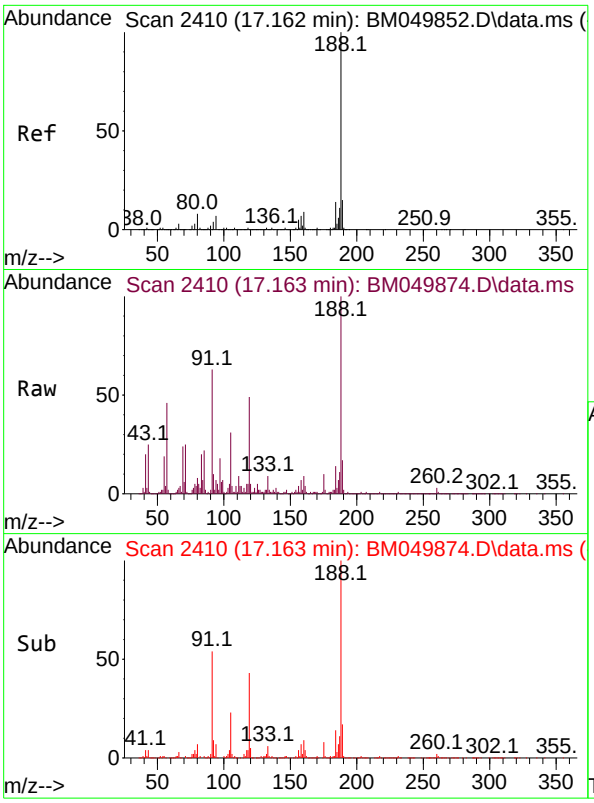


#45
2-Fluorobiphenyl
Concen: 0.220 ng
RT: 13.040 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Tgt Ion:172 Resp: 11467

Ion	Ratio	Lower	Upper
172	100		
171	38.7	27.4	41.2
170	28.4	18.6	28.0#



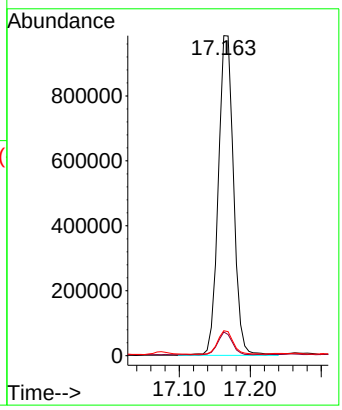


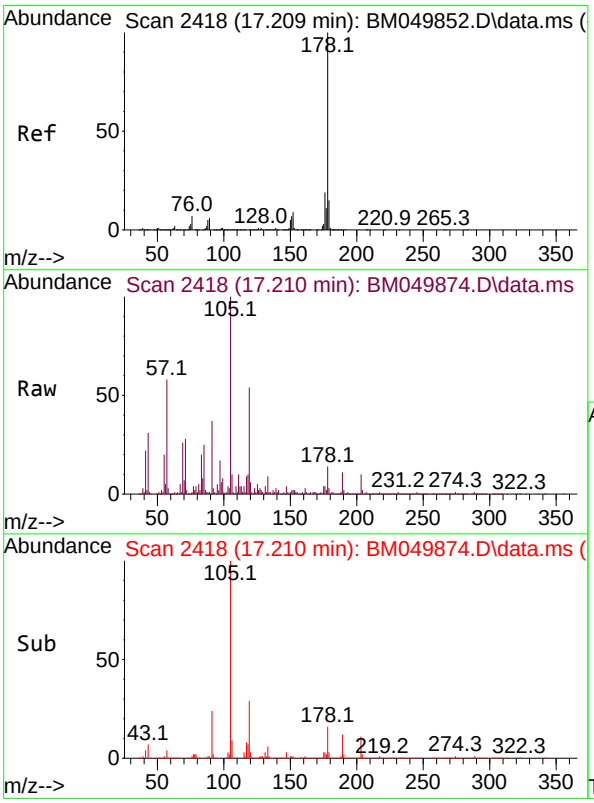
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:188 Resp: 1461110

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.8	8.6
80	7.8	6.4	9.6

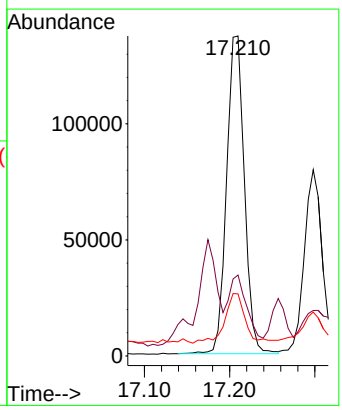


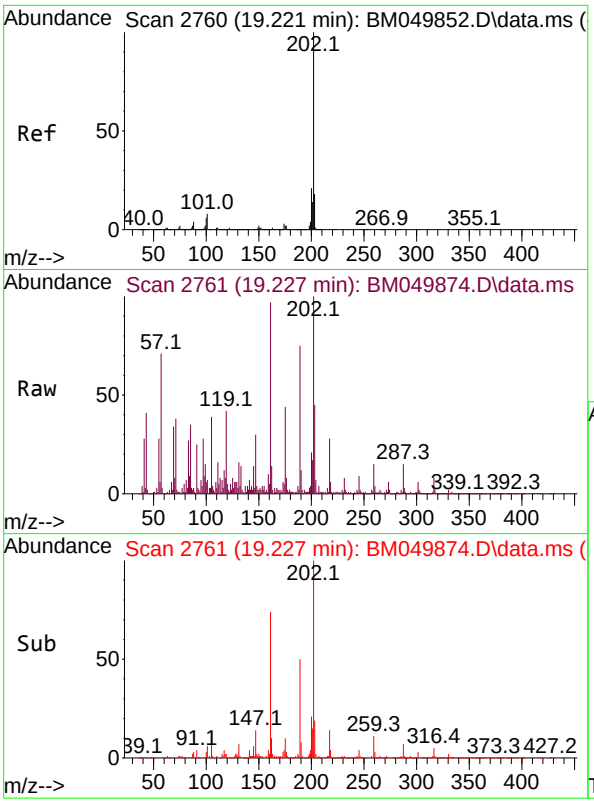


#71
Phenanthrene
Concen: 2.485 ng
RT: 17.210 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Tgt Ion:178 Resp: 199028

Ion	Ratio	Lower	Upper
178	100		
176	25.3	15.4	23.2#
179	19.4	12.3	18.5#



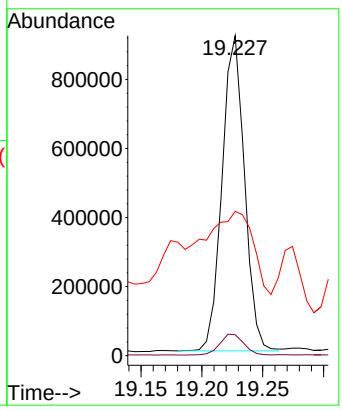


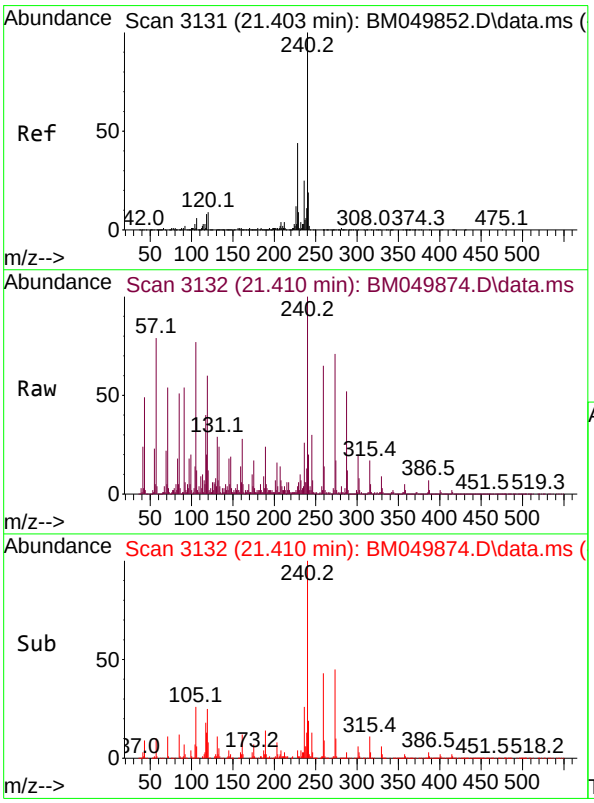
#75
Fluoranthene
Concen: 11.886 ng
RT: 19.227 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:202 Resp: 1170698

Ion	Ratio	Lower	Upper
202	100		
101	6.6	0.0	28.4
203	45.1	0.0	37.8#

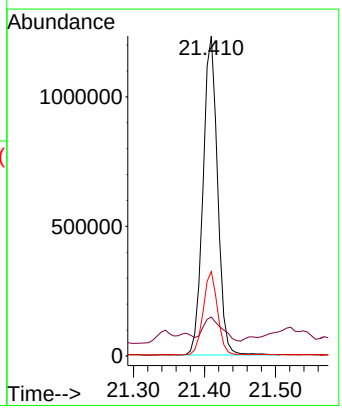


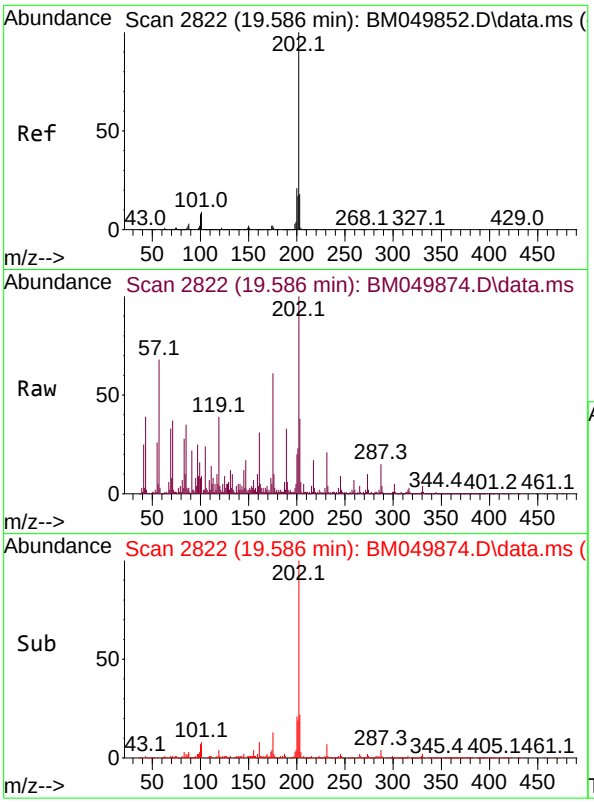


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.410 min Scan# 3132
Delta R.T. 0.006 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Tgt Ion:240 Resp: 1753624

Ion	Ratio	Lower	Upper
240	100		
120	12.2	6.9	10.3#
236	26.4	20.4	30.6



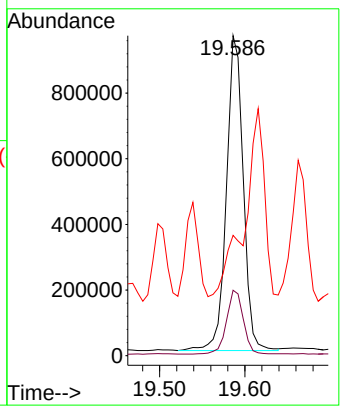


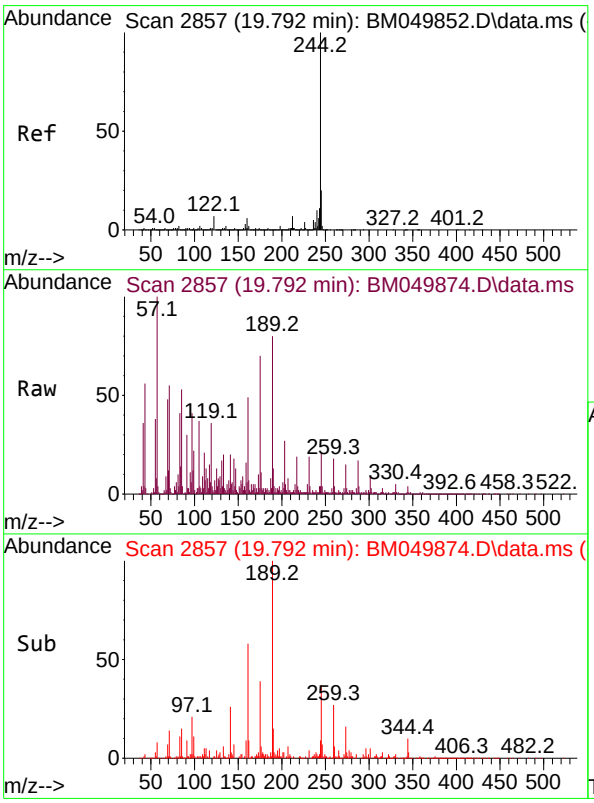
#78
Pyrene
Concen: 10.874 ng
RT: 19.586 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:202 Resp: 1314242

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.5	24.7
203	37.6	14.0	21.0#

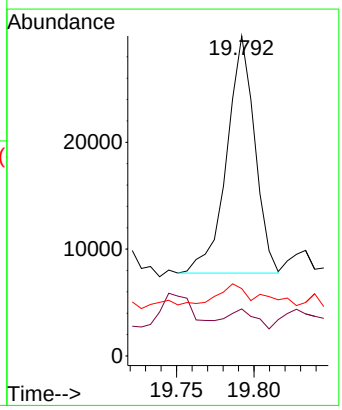


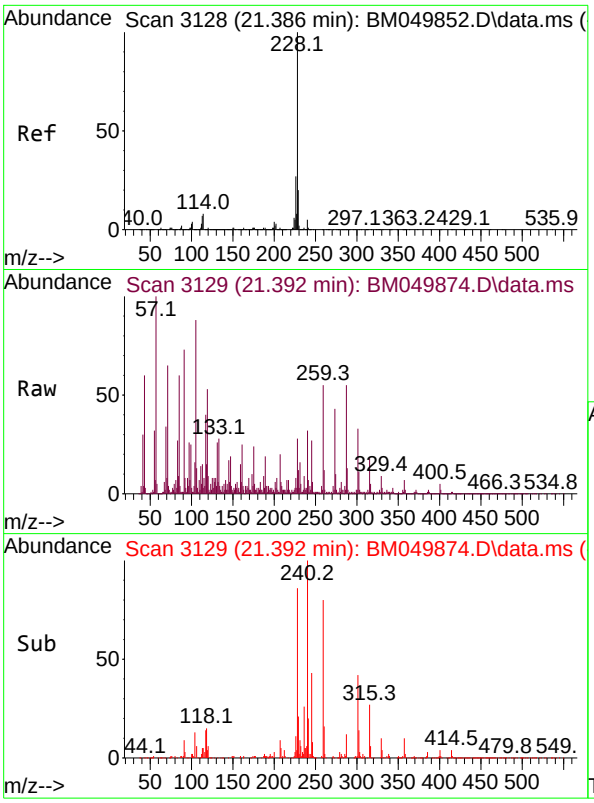


#79
Terphenyl-d14
Concen: 0.297 ng
RT: 19.792 min Scan# 2857
Delta R.T. 0.000 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Tgt Ion:244 Resp: 27822

Ion	Ratio	Lower	Upper
244	100		
212	14.7	5.5	8.3#
122	21.1	5.4	8.0#



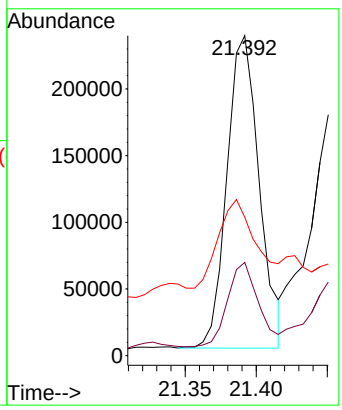


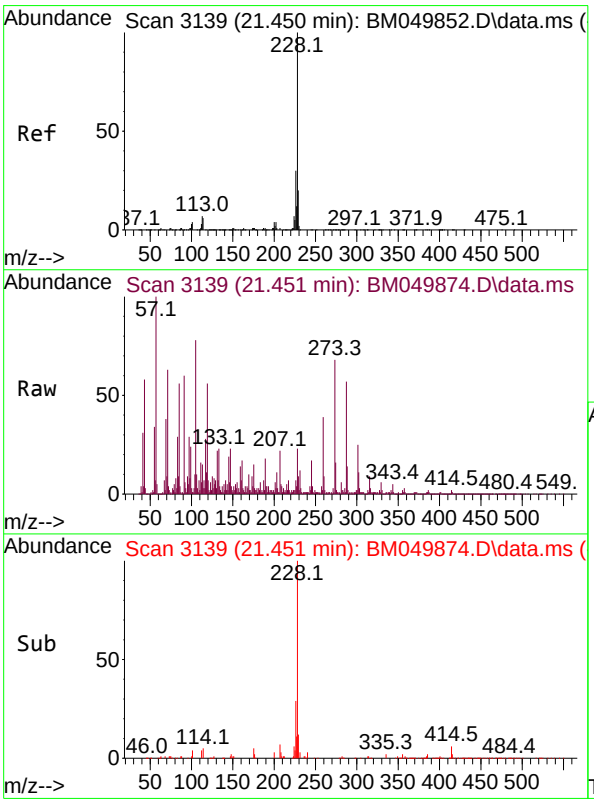
#81
Benzo(a)anthracene
Concen: 3.177 ng
RT: 21.392 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:228 Resp: 370264

Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.8	32.8
229	43.2	15.8	23.8#

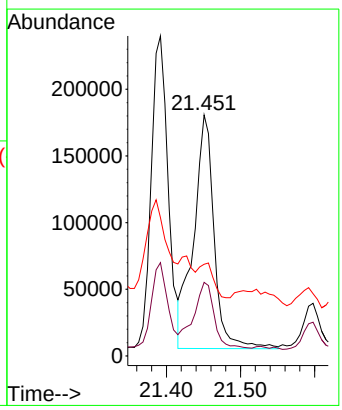


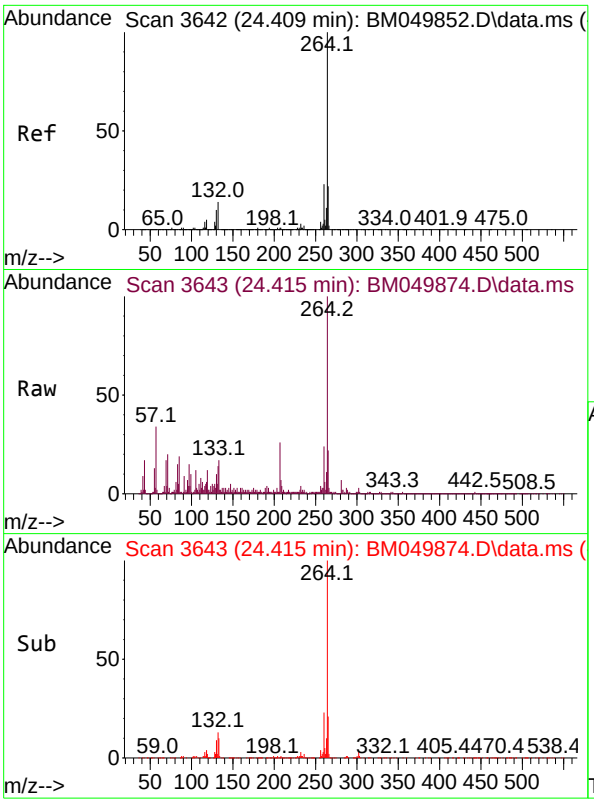


#83
Chrysene
Concen: 3.062 ng
RT: 21.451 min Scan# 3139
Delta R.T. 0.000 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Tgt Ion:228 Resp: 339306

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1
229	38.1	15.8	23.6#



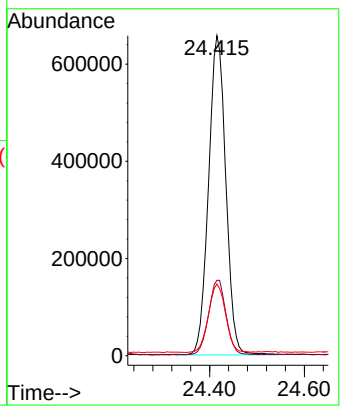


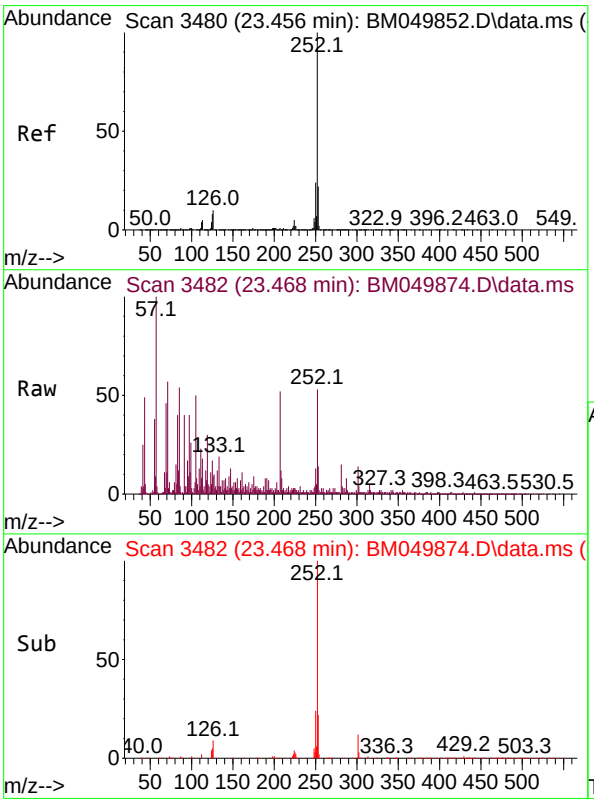
#86
Perylene-d12
Concen: 20.000 ng
RT: 24.415 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:264 Resp: 1659153

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	22.4	17.8	26.8

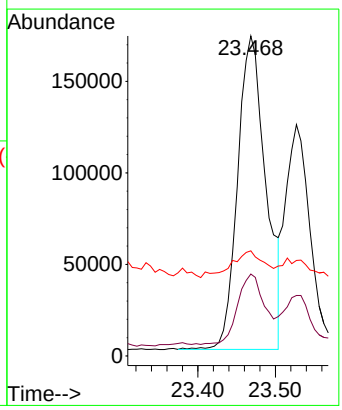


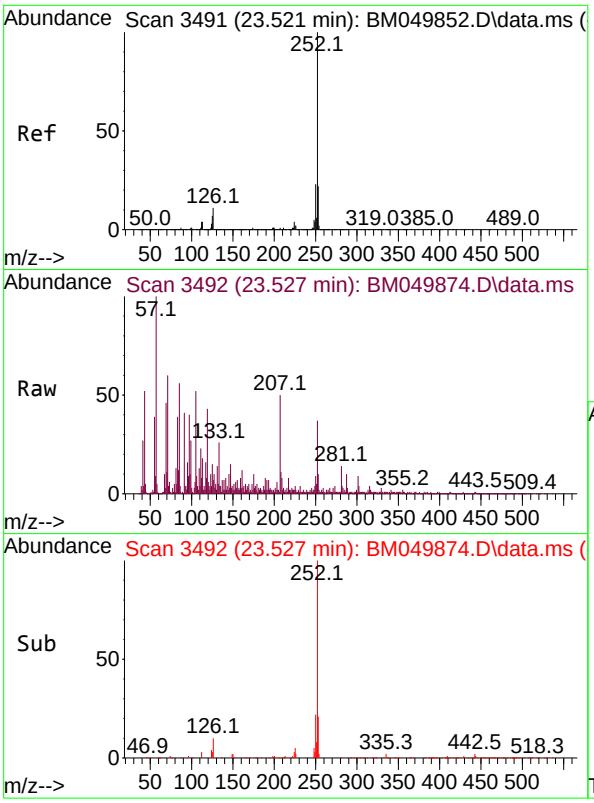


#88
Benzo(b)fluoranthene
Concen: 4.104 ng
RT: 23.468 min Scan# 3482
Delta R.T. 0.012 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Tgt Ion:252 Resp: 434875

Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.5	26.3
125	32.9	6.2	9.4#



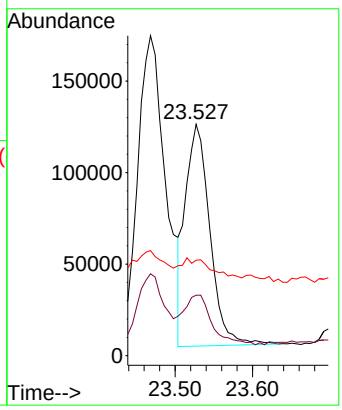


#89
Benzo(k)fluoranthene
Concen: 2.589 ng
RT: 23.527 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM049874.D
Acq: 09 Apr 2025 19:01

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Tgt Ion:252 Resp: 265854

Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.4	26.2
125	41.3	5.8	8.8#



LSC Area Percent Report

Sample Results: **BM049874.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM049874.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.781	808	815	824	rVB	1035929	1652984	5.65%	0.463%
2	8.863	993	999	1004	rBV	340608	604702	2.07%	0.170%
3	8.957	1010	1015	1021	rBV	171744	327077	1.12%	0.092%
4	9.022	1021	1026	1034	rVB6	154642	368951	1.26%	0.103%
5	9.799	1152	1158	1166	rBV7	100951	295589	1.01%	0.083%
6	10.569	1282	1289	1299	rBV	1280714	2393028	8.18%	0.671%
7	10.898	1337	1345	1349	rBV3	108983	310988	1.06%	0.087%
8	10.963	1350	1356	1364	rVB3	188197	567881	1.94%	0.159%
9	11.146	1384	1387	1394	rVB3	173855	329232	1.13%	0.092%
10	11.498	1440	1447	1453	rBV4	284454	723416	2.47%	0.203%
11	11.575	1456	1460	1465	rVV3	170814	319549	1.09%	0.090%
12	11.734	1483	1487	1490	rBV2	220882	327429	1.12%	0.092%
13	11.822	1497	1502	1507	rBV	1280922	1905964	6.52%	0.534%
14	11.963	1520	1526	1529	rBV5	437863	941194	3.22%	0.264%
15	12.116	1549	1552	1556	rVB3	387736	536705	1.84%	0.150%
16	12.187	1559	1564	1566	rBV4	490066	875519	2.99%	0.245%
17	12.740	1655	1658	1664	rVB4	732724	1209292	4.14%	0.339%
18	12.792	1664	1667	1670	rBV2	305198	485389	1.66%	0.136%
19	12.851	1673	1677	1686	rBV2	1367505	3041786	10.40%	0.853%
20	12.957	1692	1695	1699	rVB2	534254	685301	2.34%	0.192%
21	13.334	1756	1759	1763	rVB	608474	659855	2.26%	0.185%
22	13.387	1764	1768	1772	rBV	667987	951383	3.25%	0.267%
23	13.469	1777	1782	1783	rBV2	1407009	2073850	7.09%	0.581%
24	13.581	1797	1801	1805	rBV4	618234	947929	3.24%	0.266%
25	13.898	1851	1855	1859	rBV4	716423	995309	3.40%	0.279%
26	14.198	1903	1906	1910	rBV2	565478	727668	2.49%	0.204%
27	14.381	1935	1937	1940	rBV	366044	423513	1.45%	0.119%
28	14.422	1940	1944	1948	rVB	2071023	2823514	9.66%	0.792%
29	14.604	1972	1975	1979	rVB	697870	798702	2.73%	0.224%
30	15.369	2102	2105	2111	rVB2	1353102	2324748	7.95%	0.652%
31	15.845	2183	2186	2191	rBV2	1257700	1904822	6.51%	0.534%
32	16.057	2219	2222	2226	rVB	2559365	2770380	9.47%	0.777%
33	16.263	2253	2257	2262	rVB3	1483753	2657216	9.09%	0.745%
34	16.333	2265	2269	2277	rVB	3251094	5352657	18.30%	1.501%
35	16.410	2279	2282	2286	rBV2	1833422	2656597	9.08%	0.745%
36	16.569	2305	2309	2317	rVB2	2677282	4707986	16.10%	1.320%

Sample Results: **BM049874.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.763	2339	2342	2346	rBV	1561481	2034004	6.96%	0.570%
38	16.828	2350	2353	2359	rVB3	1207182	2035123	6.96%	0.571%
39	16.928	2367	2370	2377	rVB	1641993	2811778	9.61%	0.788%
40	17.075	2391	2395	2402	rBV2	6084879	9989483	34.16%	2.800%
41	17.180	2408	2413	2419	rBV3	5555372	12142221	41.52%	3.404%
42	17.239	2420	2423	2432	rVB4	3906710	8647854	29.57%	2.424%
43	17.339	2433	2440	2443	rBV3	4558476	7840884	26.81%	2.198%
44	17.375	2444	2446	2448	rBV	1581430	1694487	5.79%	0.475%
45	17.445	2455	2458	2461	rBV	1773237	2059203	7.04%	0.577%
46	17.486	2461	2465	2470	rBV3	2893499	5740720	19.63%	1.609%
47	17.545	2471	2475	2482	rBV3	6378601	14522969	49.66%	4.071%
48	17.710	2496	2503	2509	rBV	6427380	15060790	51.50%	4.222%
49	17.839	2520	2525	2531	rBV2	16436807	29244024	100.00%	8.198%
50	17.951	2541	2544	2545	rBV	2301633	2576069	8.81%	0.722%
51	18.269	2595	2598	2601	rVB	3561247	3756904	12.85%	1.053%
52	18.551	2642	2646	2649	rBV	9188510	11614815	39.72%	3.256%
53	19.227	2759	2761	2765	rVB2	3752272	4142820	14.17%	1.161%
54	19.310	2773	2775	2779	rVB2	2977226	2932215	10.03%	0.822%
55	19.539	2811	2814	2817	rBV3	3338045	4548104	15.55%	1.275%
56	20.486	2973	2975	2978	rBV3	3117286	3881007	13.27%	1.088%
57	20.857	3035	3038	3042	rVB2	4021937	5458591	18.67%	1.530%
58	21.127	3081	3084	3093	rVB6	5337578	11303597	38.65%	3.169%
59	21.198	3093	3096	3098	rBV2	4683764	5676072	19.41%	1.591%
60	21.421	3130	3134	3138	rVB4	9556900	17315745	59.21%	4.854%
61	21.633	3166	3170	3179	rVB4	8238029	17724215	60.61%	4.969%
62	21.727	3181	3186	3191	rBV3	8000012	15944347	54.52%	4.470%
63	21.951	3220	3224	3232	rVB2	7808847	14862237	50.82%	4.166%
64	22.051	3236	3241	3251	rVB6	6602911	18618820	63.67%	5.219%
65	22.298	3278	3283	3289	rBV4	8322180	16010289	54.75%	4.488%
66	22.674	3342	3347	3355	rVB2	6559579	14125747	48.30%	3.960%
67	22.945	3388	3393	3405	rVB4	5860549	13412840	45.87%	3.760%
68	23.380	3462	3467	3474	rVB2	4090981	8312323	28.42%	2.330%

Sum of corrected areas: 356718402

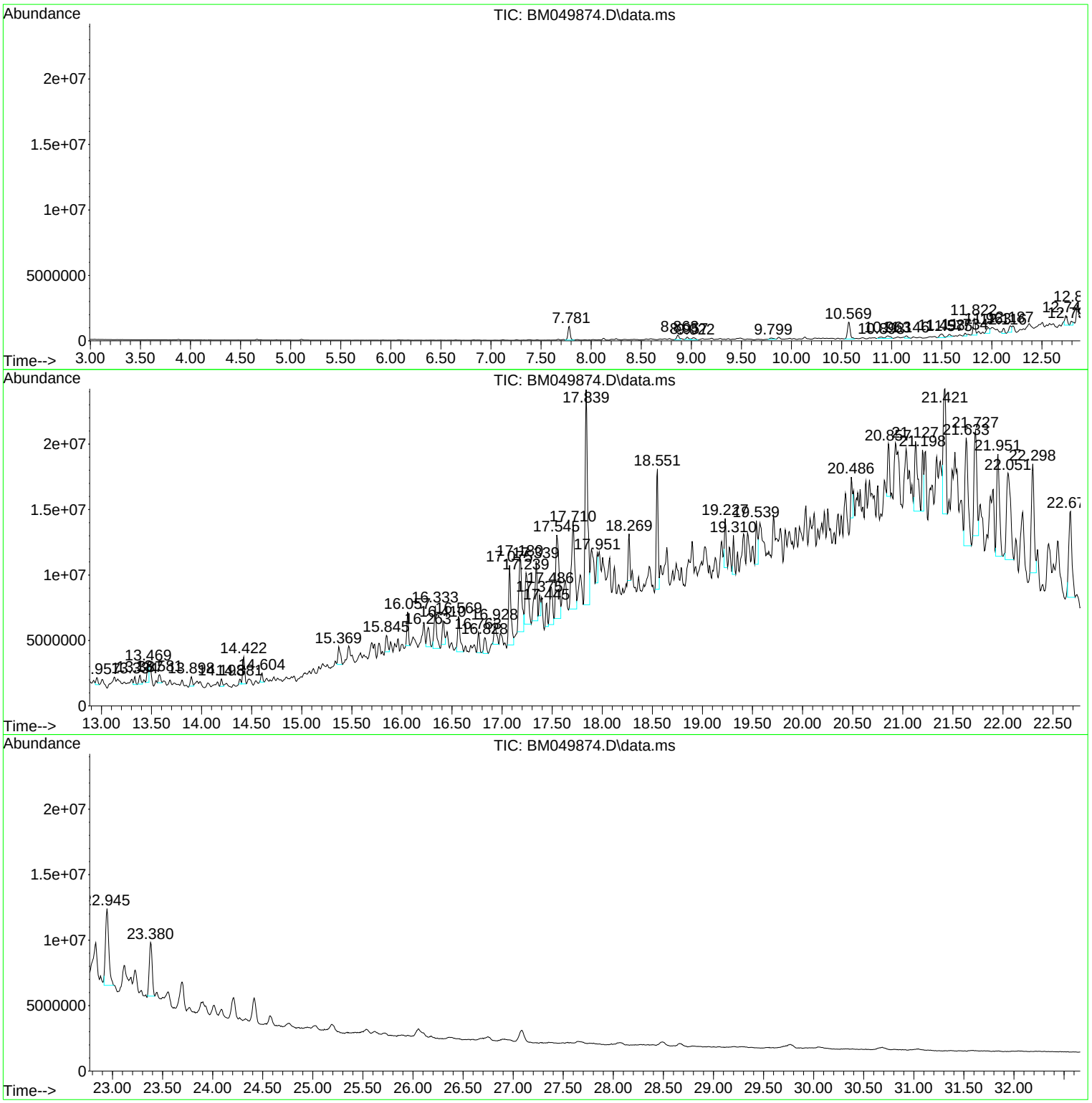
Sample Results: **BM049874.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

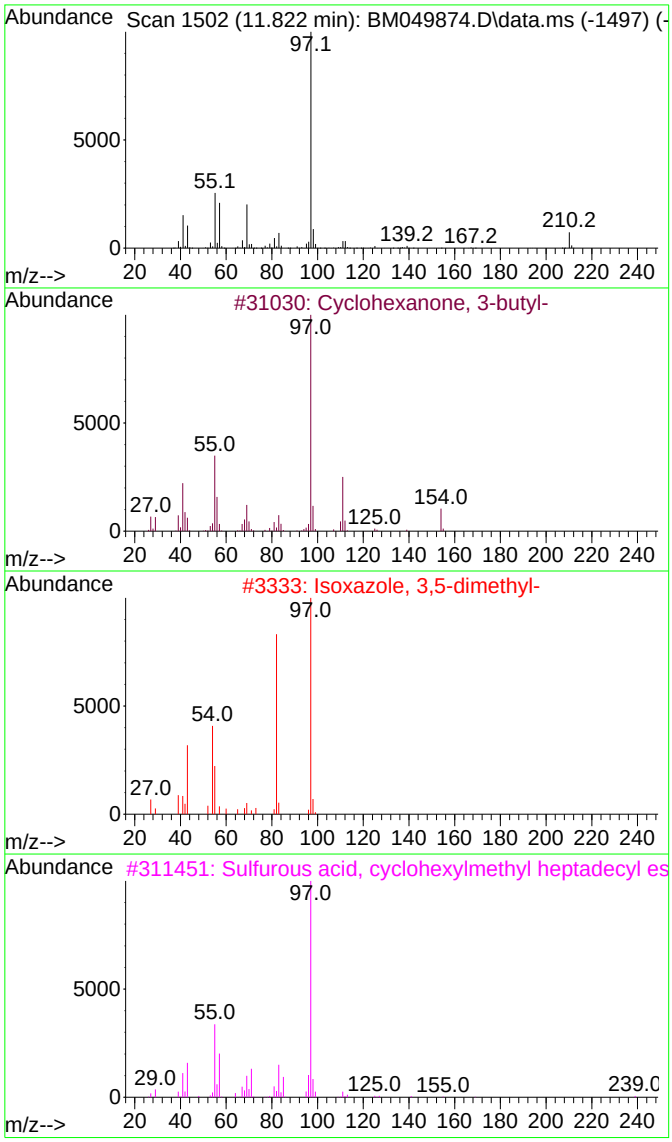
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TIC Integration Parameters: LSCINT.P

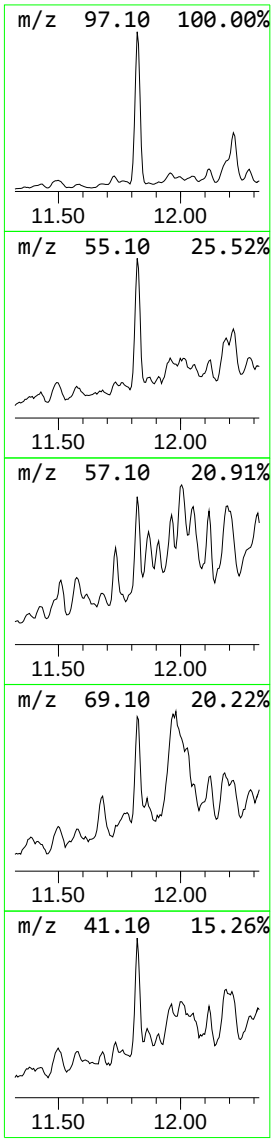
****

Peak Number 1 Cyclohexanone, 3-butyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.822	15.93 ng	1905960	Naphthalene-d8	10.569

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3-butyl-	154	C10H18O	039178-69-3	72
2	Isoxazole, 3,5-dimethyl-	97	C5H7NO	000300-87-8	64
3	Sulfurous acid, cyclohexylmethyl...	416	C24H48O3S	1000309-22-5	56
4	Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	56
5	2-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-40-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

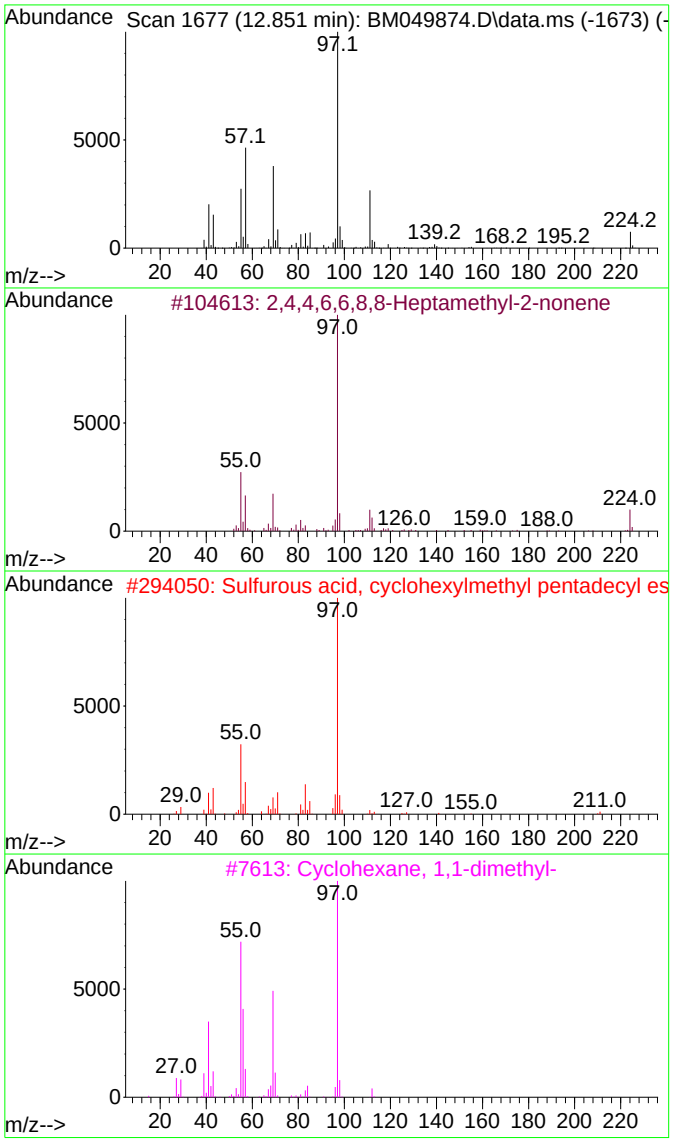
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

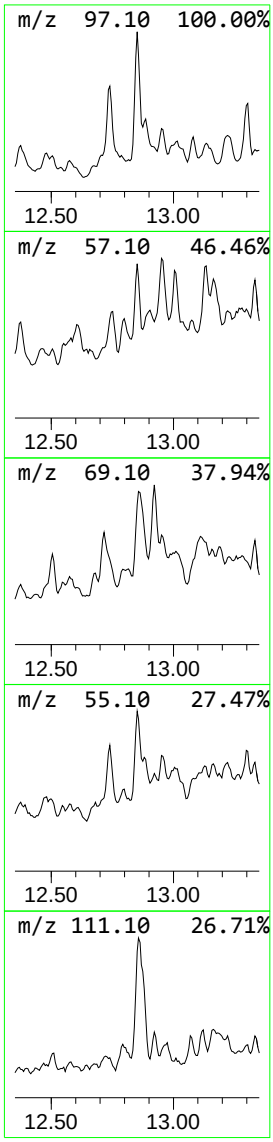
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2,4,4,6,6,8,8-Heptamethyl-2... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.851	21.55 ng	3041790	Acenaphthene-d10	14.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,4,6,6,8,8-Heptamethyl-2-nonene	224	C16H32	039761-73-4	74
2	Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	59
3	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	53
4	2H-Pyran-2-one, 5,6-dihydro-6-pe...	168	C10H16O2	054814-64-1	53
5	1,1-Dimethyl-1-silacyclo-3-pentene	112	C6H12Si	016054-12-9	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

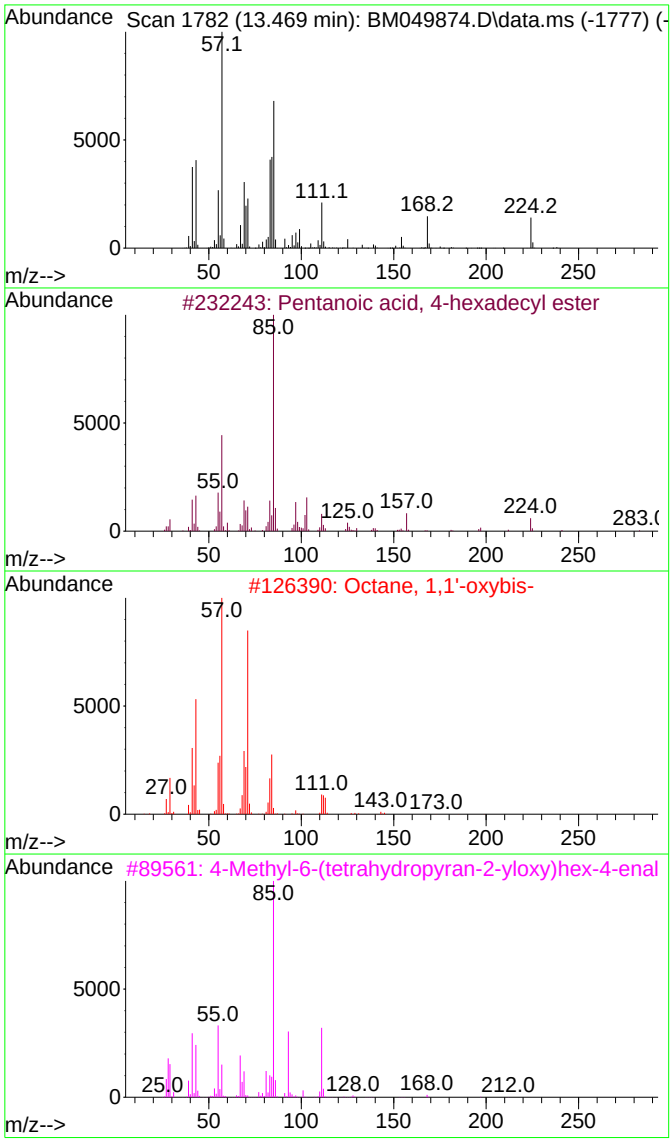
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

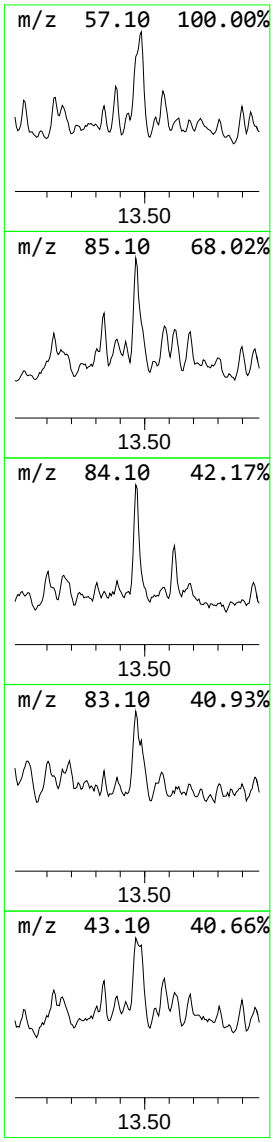
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 unknown13.469 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.469	14.69 ng	2073850	Acenaphthene-d10	14.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid, 4-hexadecyl ester	326	C21H42O2	1000282-86-4	40
2	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	27
3	4-Methyl-6-(tetrahydropyran-2-yl...	212	C12H20O3	064218-01-5	27
4	2-Butene, 1,4-diethoxy-	144	C8H16O2	007250-85-3	25
5	2-Propyl-1-pentanol, chlorodiflu...	242	C10H17ClF2O2	1000447-27-3	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

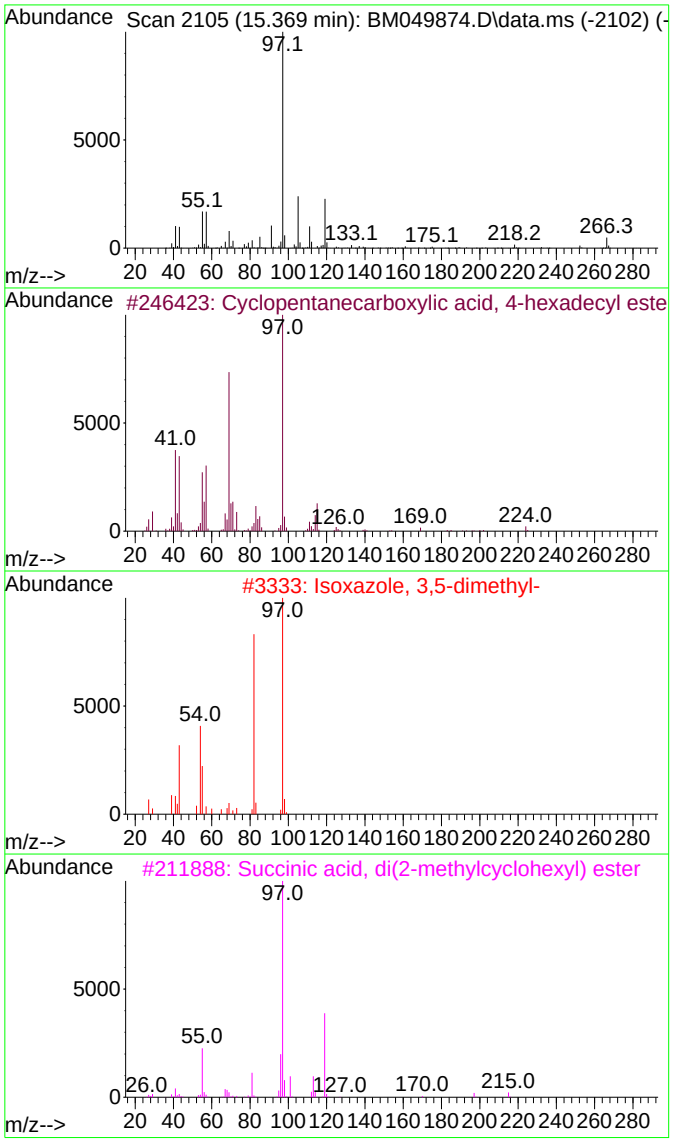
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

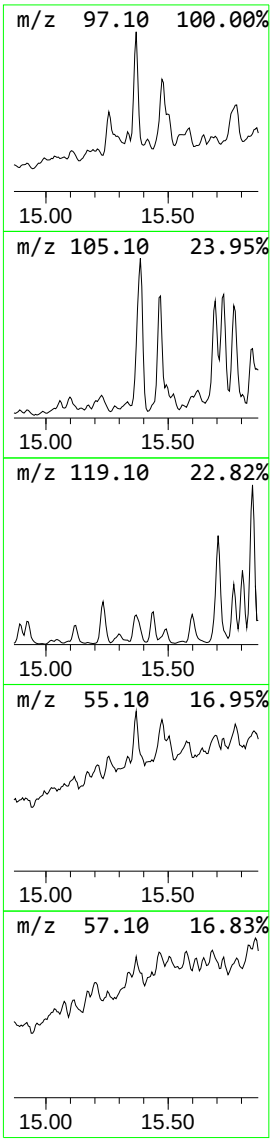
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Peak Number 4 unknown15.369 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.369	16.47 ng	2324750	Acenaphthene-d10	14.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentanecarboxylic acid, 4-h...	338	C22H42O2	1000282-77-5	43
2	Isoxazole, 3,5-dimethyl-	97	C5H7NO	000300-87-8	38
3	Succinic acid, di(2-methylcycloh...	310	C18H30O4	1000329-83-0	38
4	2,4,4,6,6,8,8-Heptamethyl-2-nonene	224	C16H32	039761-73-4	38
5	Sulfurous acid, cyclohexylmethyl...	332	C18H36O3S	1000309-21-9	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

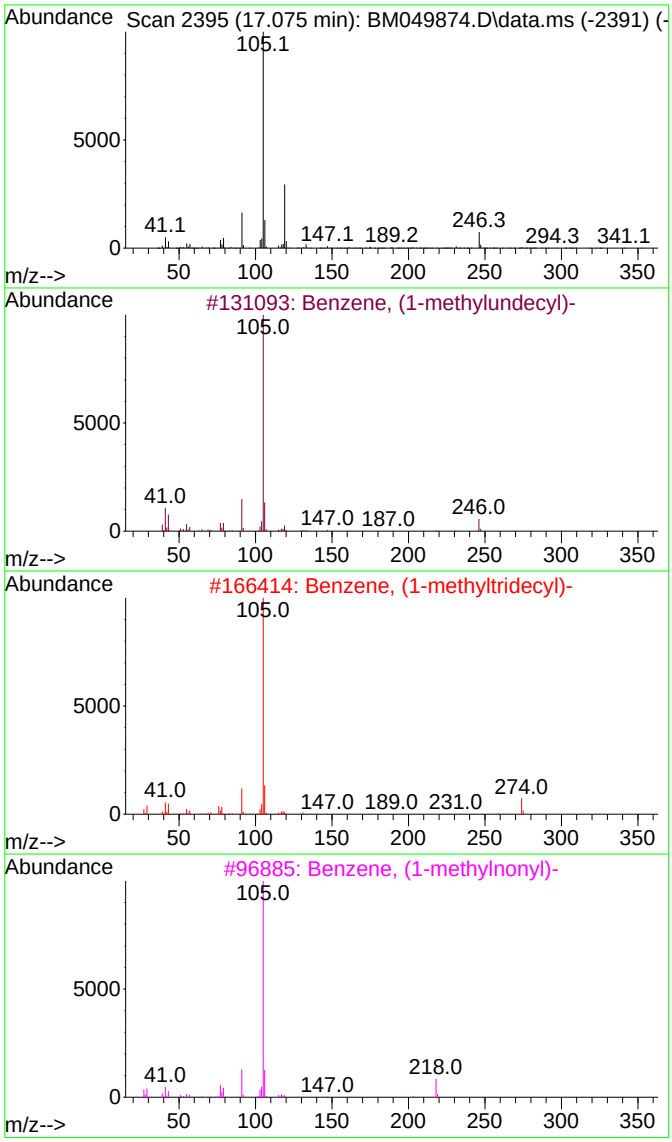
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

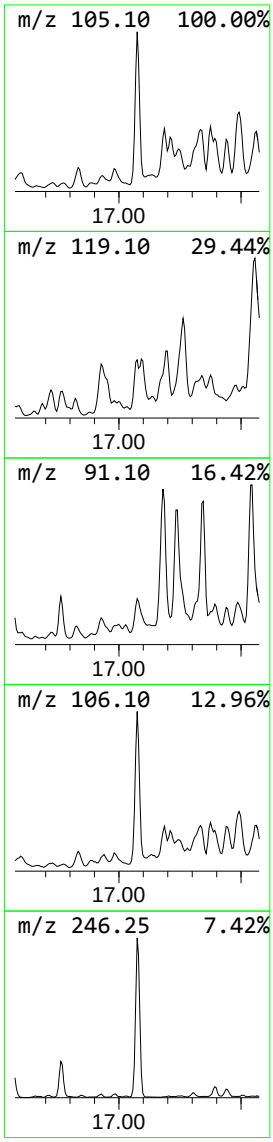
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, (1-methylundecyl)- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.075	16.45 ng	9989480	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylundecyl)-	246	C18H30	002719-61-1	70
2	Benzene, (1-methyltridecyl)-	274	C20H34	004534-59-2	53
3	Benzene, (1-methylnonyl)-	218	C16H26	004537-13-7	47
4	Benzene, (1-methyldodecyl)-	260	C19H32	004534-53-6	47
5	Benzene, (1-methyldecyl)-	232	C17H28	004536-88-3	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

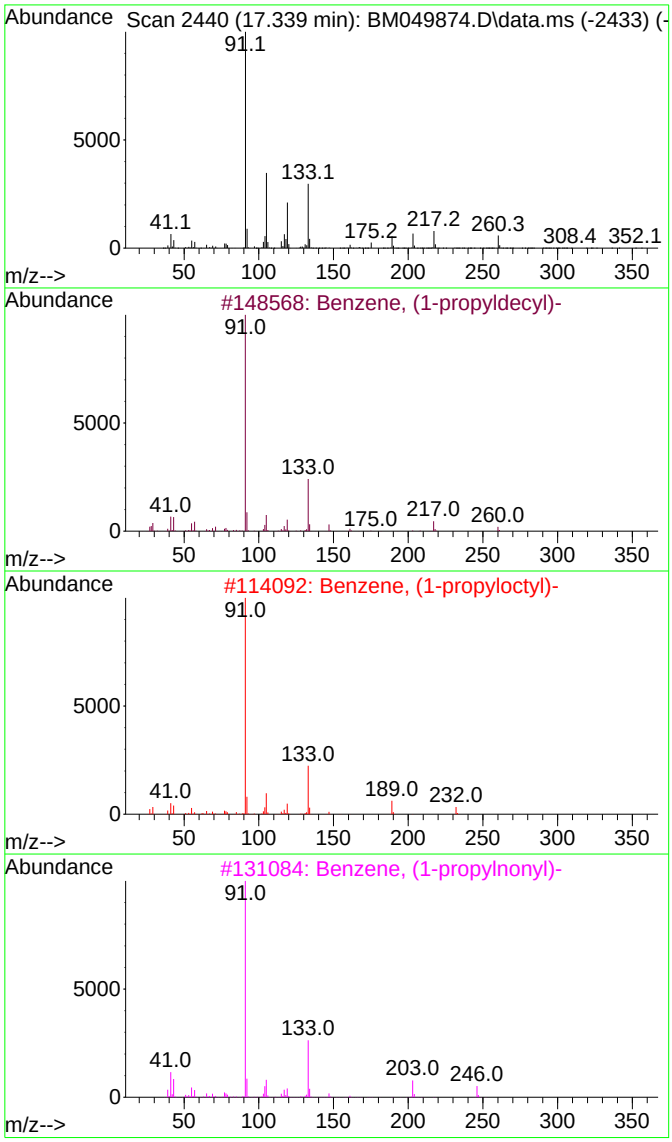
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

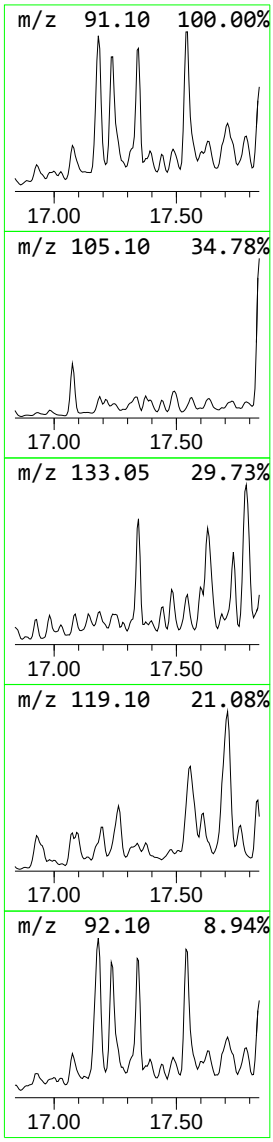
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TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, (1-propyldecyl)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.339	12.92 ng	7840880	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-propyldecyl)-	260	C19H32	004534-51-4	53
2	Benzene, (1-propyloctyl)-	232	C17H28	004536-86-1	43
3	Benzene, (1-propylnonyl)-	246	C18H30	002719-64-4	43
4	Benzene, (1-hexylheptyl)-	260	C19H32	002400-01-3	38
5	Benzene, (1-ethylundecyl)-	260	C19H32	004534-52-5	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

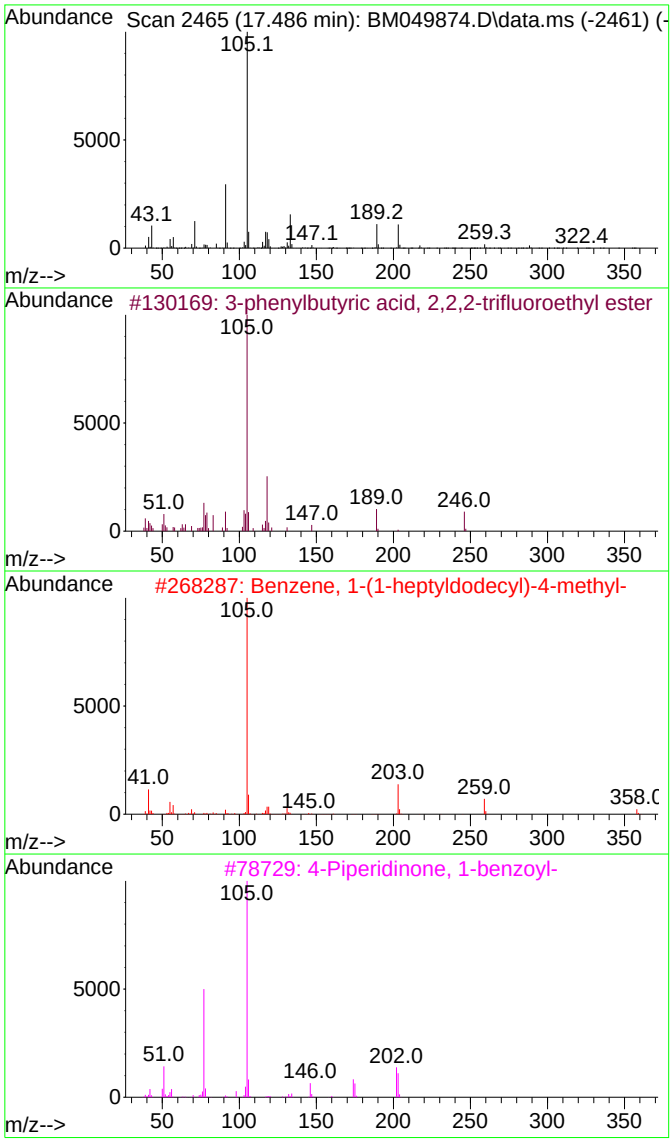
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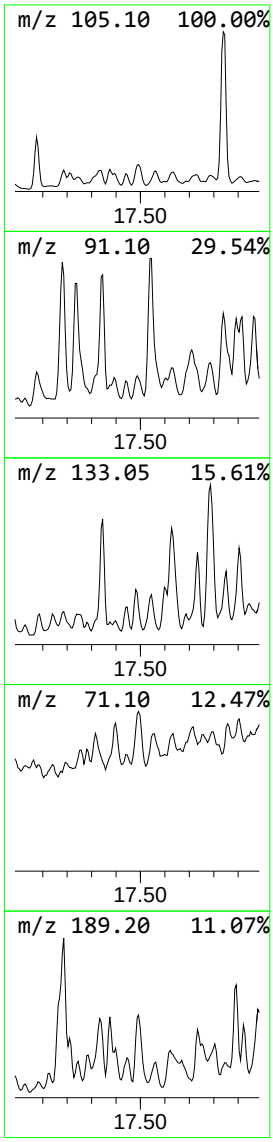
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Peak Number 7 unknown17.486 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.486	9.46 ng	5740720	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-phenylbutyric acid, 2,2,2-trif...	246	C12H13F3O2	1000376-55-4	43
2	Benzene, 1-(1-heptyldodecyl)-4-m...	358	C26H46	055191-36-1	37
3	4-Piperidinone, 1-benzoyl-	203	C12H13NO2	024686-78-0	27
4	4,5-Dihydro-4,4-dimethyl-2-pheny...	203	C12H13NO2	029637-55-6	25
5	3-Phenylpropionic acid, 2,3,4,6-...	362	C15H10Cl4O2	1000354-74-6	16





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

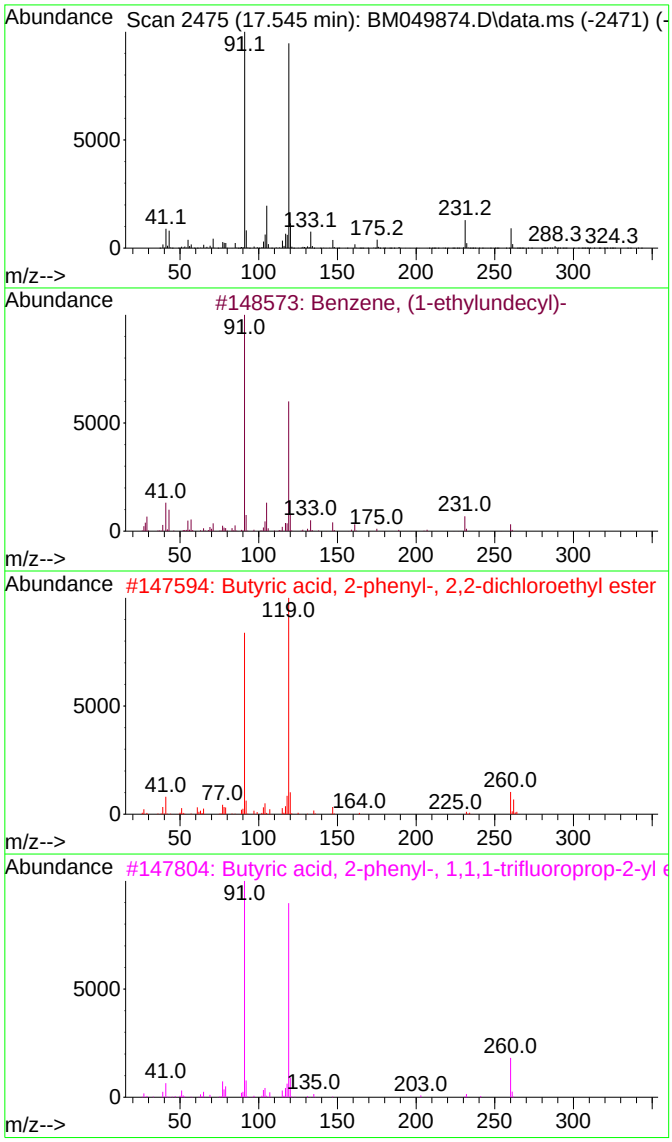
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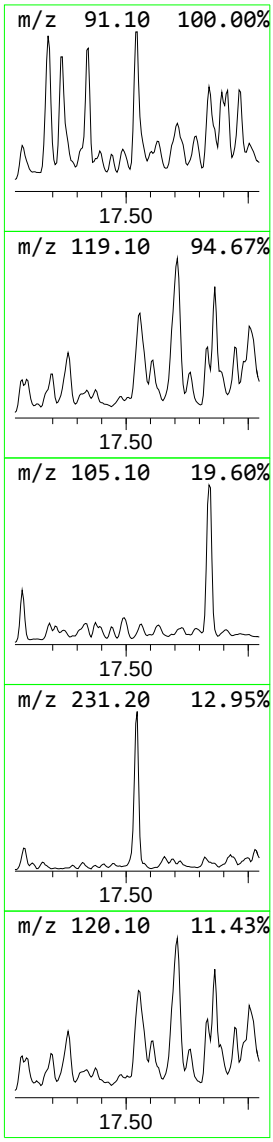
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, (1-ethylundecyl)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.545	23.92 ng	14523000	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethylundecyl)-	260	C19H32	004534-52-5	94
2	Butyric acid, 2-phenyl-, 2,2-dic...	260	C12H14Cl2O2	1000406-85-7	76
3	Butyric acid, 2-phenyl-, 1,1,1-t...	260	C13H15F3O2	1000406-85-1	76
4	Benzamide, 2-methyl-N-allyl-N-bu...	231	C15H21NO	1010446-30-9	59
5	Butyric acid, 2-phenyl-, 2-methy...	286	C19H26O2	1000406-91-8	53





Sample Results: **BM049874.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

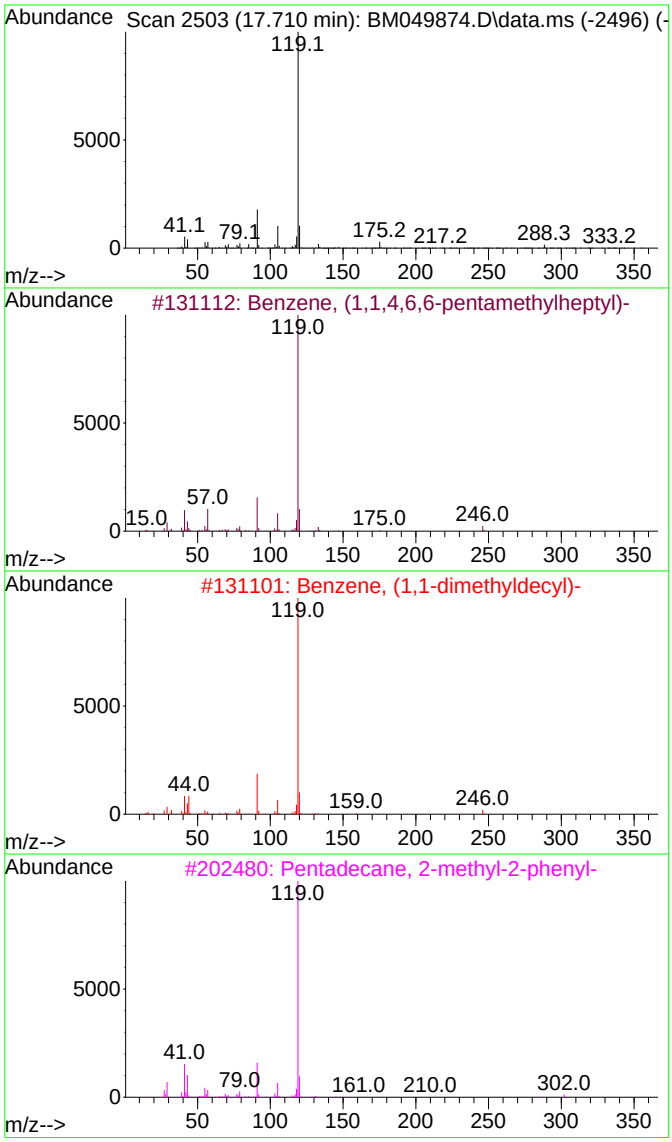
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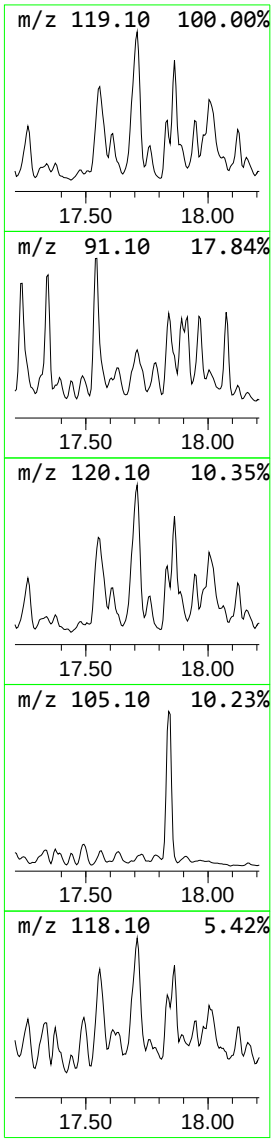
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, (1,1,4,6,6-pentame... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.710	24.81 ng	15060800	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1,4,6,6-pentamethylh...	246	C18H30	055134-07-1	91
2	Benzene, (1,1-dimethyldecyl)-	246	C18H30	027854-40-6	87
3	Pentadecane, 2-methyl-2-phenyl-	302	C22H38	029138-94-1	78
4	Dicumyl peroxide	270	C18H22O2	000080-43-3	72
5	3-Methylbenzoic acid, 2,5-dichlo...	280	C14H10Cl2O2	1000325-71-3	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

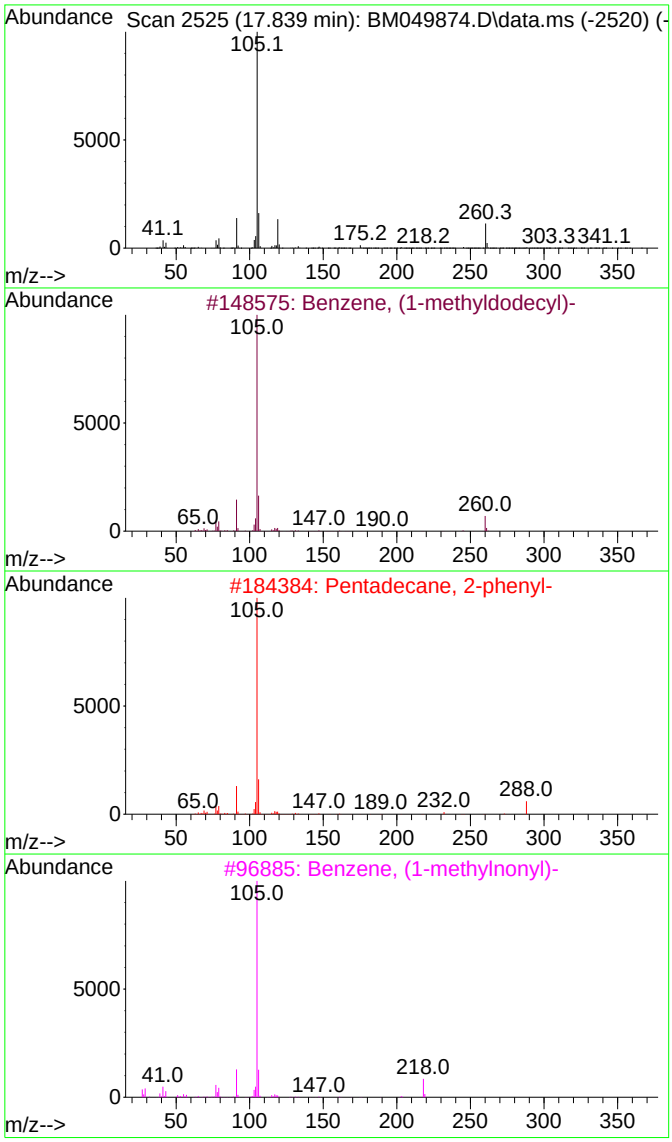
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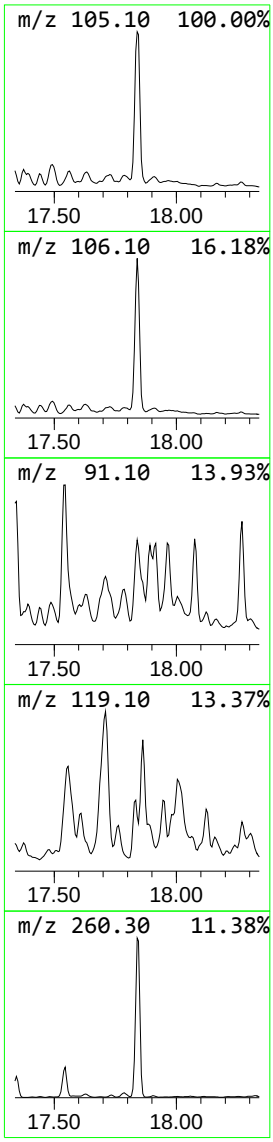
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, (1-methyldodecyl)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.839	48.17 ng	29244000	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyldodecyl)-	260	C19H32	004534-53-6	81
2	Pentadecane, 2-phenyl-	288	C21H36	004534-66-1	62
3	Benzene, (1-methylnonyl)-	218	C16H26	004537-13-7	50
4	Benzene, (1-methyltridecyl)-	274	C20H34	004534-59-2	50
5	Benzene, (1-methylundecyl)-	246	C18H30	002719-61-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

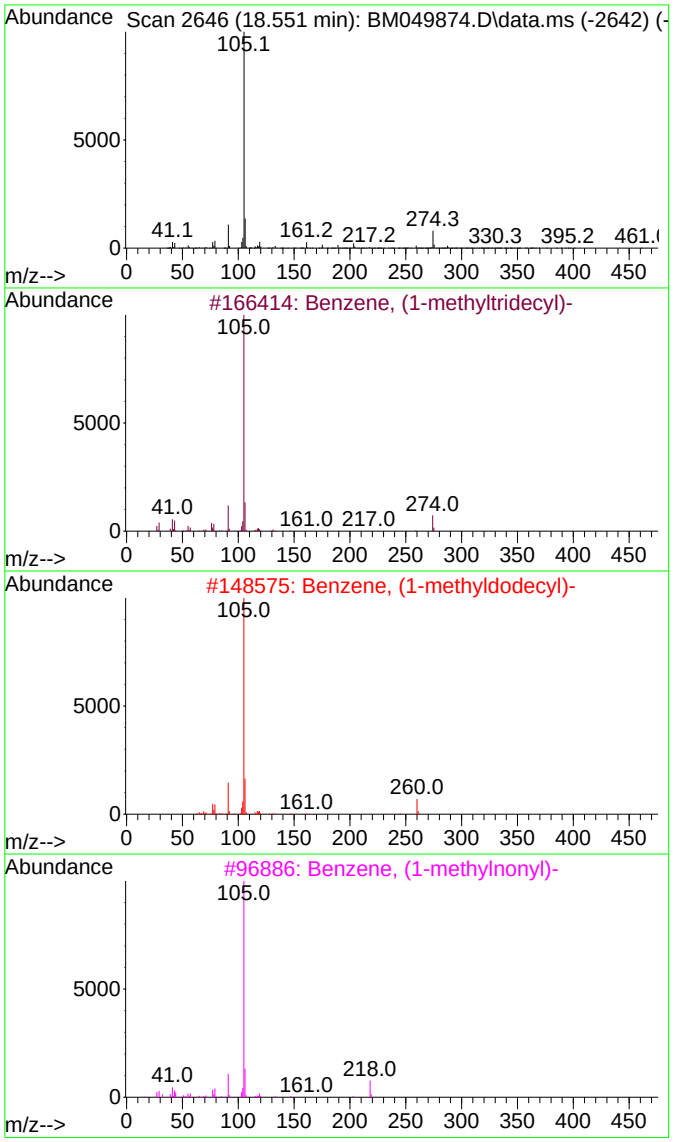
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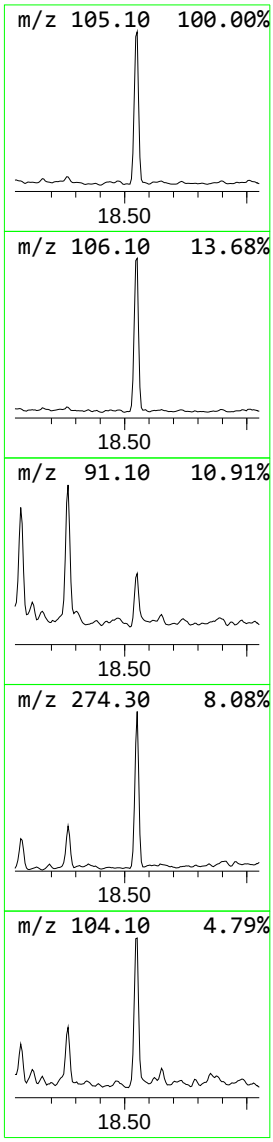
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TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, (1-methyltridecyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.551	19.13 ng	11614800	Phenanthrene-d10	17.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyltridecyl)-	274	C20H34	004534-59-2	74
2	Benzene, (1-methyldodecyl)-	260	C19H32	004534-53-6	70
3	Benzene, (1-methylnonyl)-	218	C16H26	004537-13-7	53
4	Benzene, (1-methyldecyl)-	232	C17H28	004536-88-3	53
5	Benzene, (1-methylundecyl)-	246	C18H30	002719-61-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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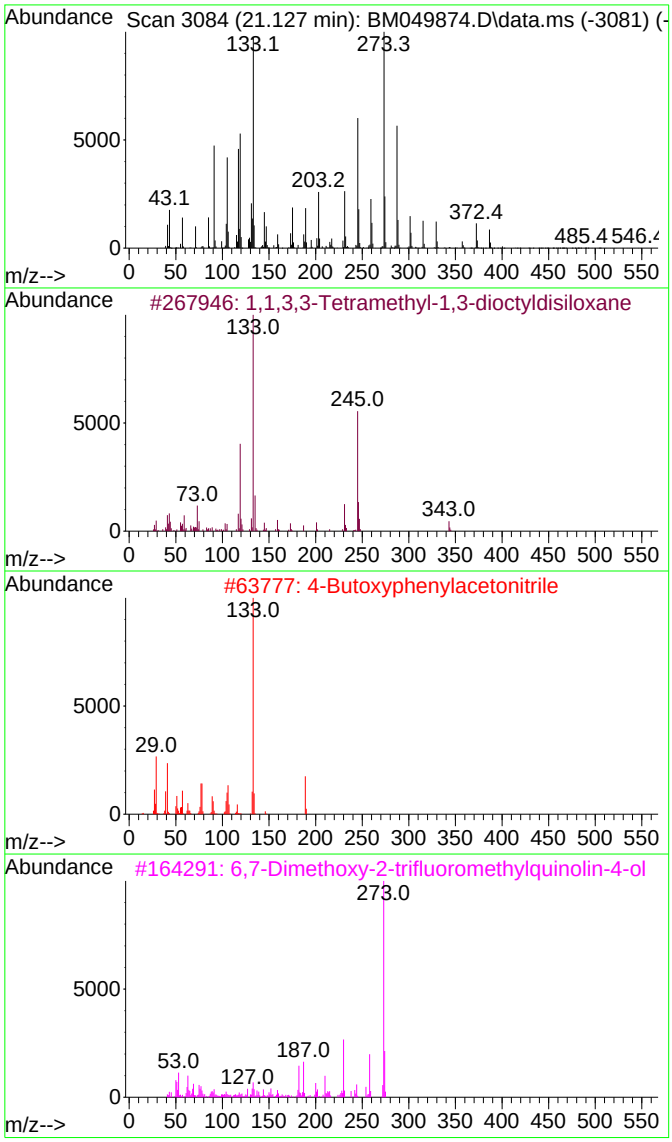
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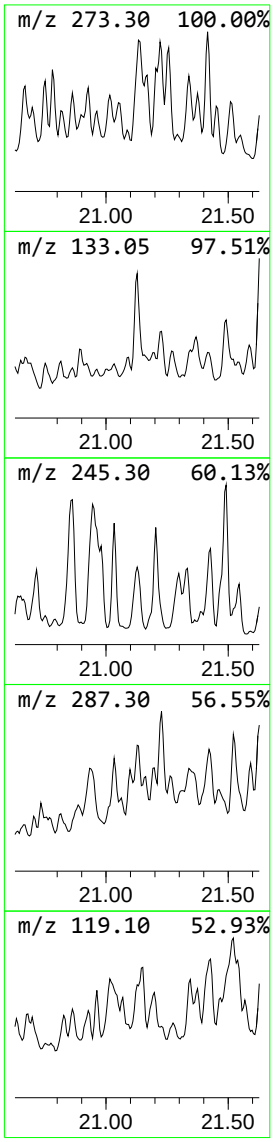
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Peak Number 12 unknown21.127 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.127	13.06 ng	11303600	Chrysene-d12	21.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,3,3-Tetramethyl-1,3-dioctyld...	358	C20H46OSi2	018642-94-9	27
2	4-Butoxyphenylacetonitrile	189	C12H15NO	038746-93-9	11
3	6,7-Dimethoxy-2-trifluoromethylq...	273	C12H10F3NO3	041192-83-0	11
4	3,4-Diaminobenzonitrile	133	C7H7N3	017626-40-3	11
5	1,2,4-Oxadiazol-5(4H)-one, 4-(2-...	273	C13H8ClN3O2	288246-55-9	11





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

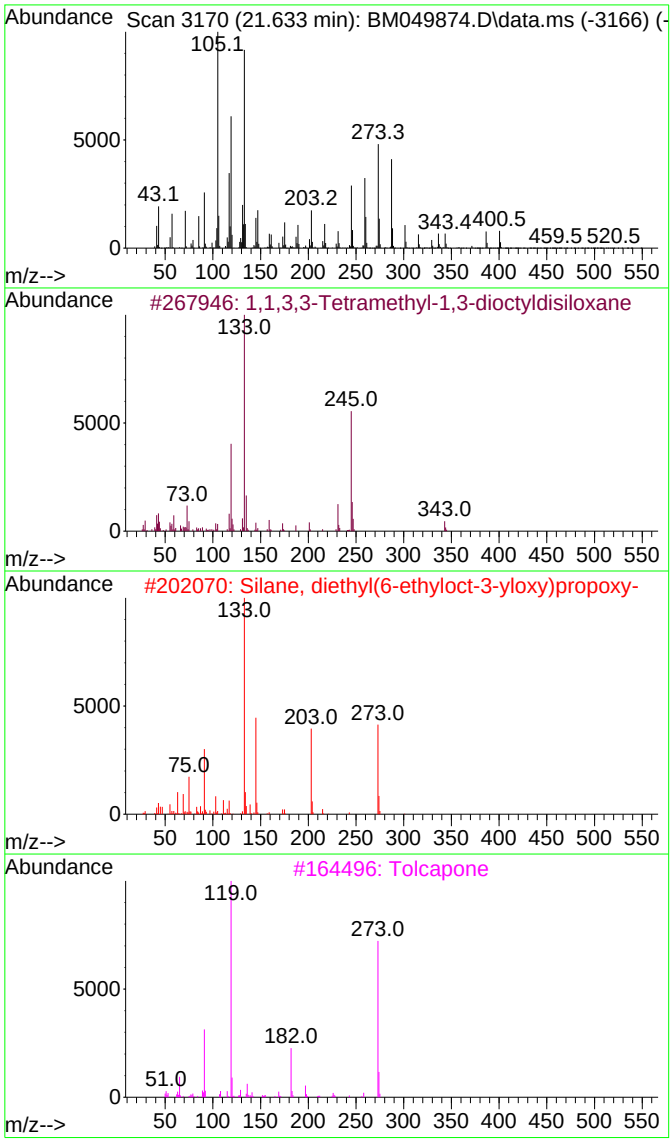
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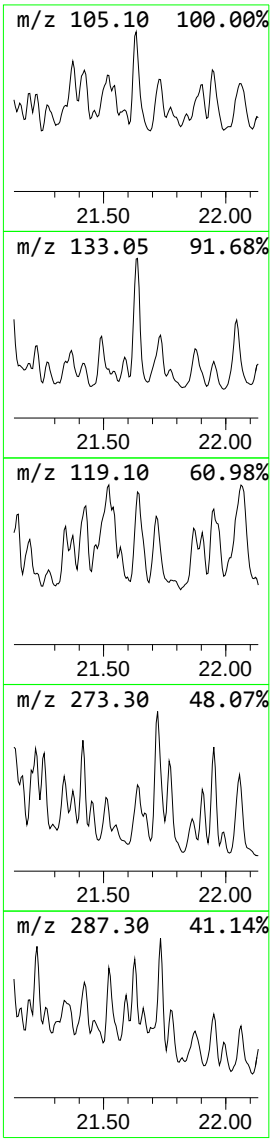
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Peak Number 13 unknown21.633 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.633	20.47 ng	17724200	Chrysene-d12	21.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,3,3-Tetramethyl-1,3-dioctyld...	358	C20H46OSi2	018642-94-9	38
2	Silane, diethyl(6-ethyloct-3-ylo...	302	C17H38O2Si	1000363-01-5	35
3	Tolcapone	273	C14H11NO5	134308-13-7	18
4	Ethanone, 1-phenyl-2-phenylsulfo...	274	C14H14N2O2S	1000269-86-8	18
5	Benzamide, 4-ethyl-N-(2-butyl)-N...	289	C19H31NO	1000464-16-5	14





Sample Results: **BM049874.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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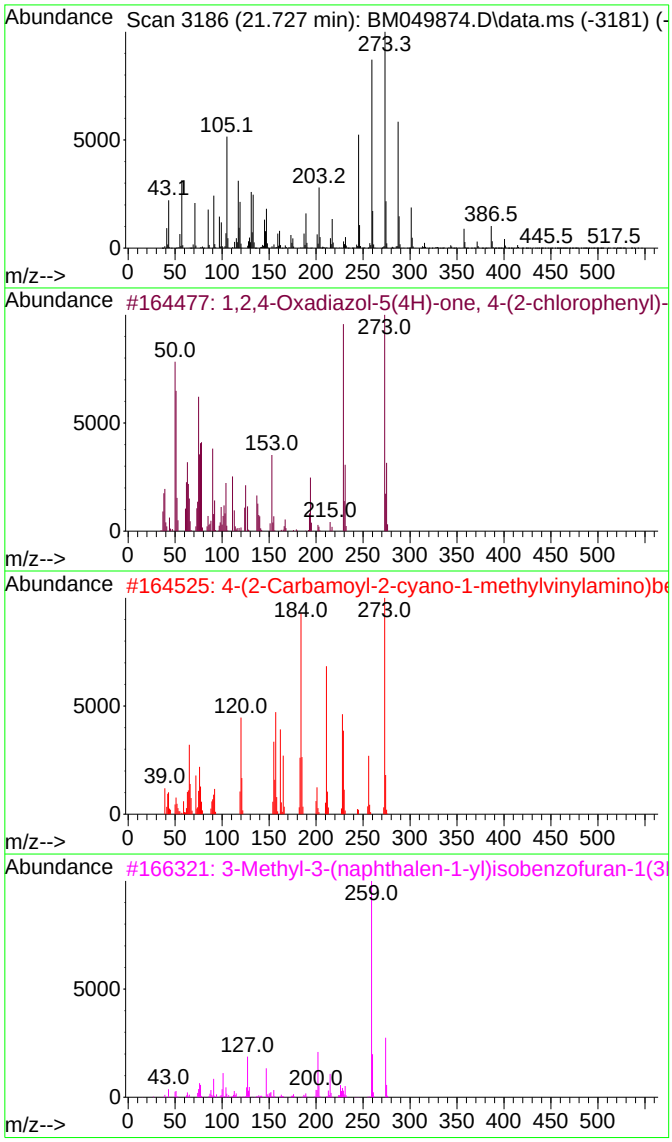
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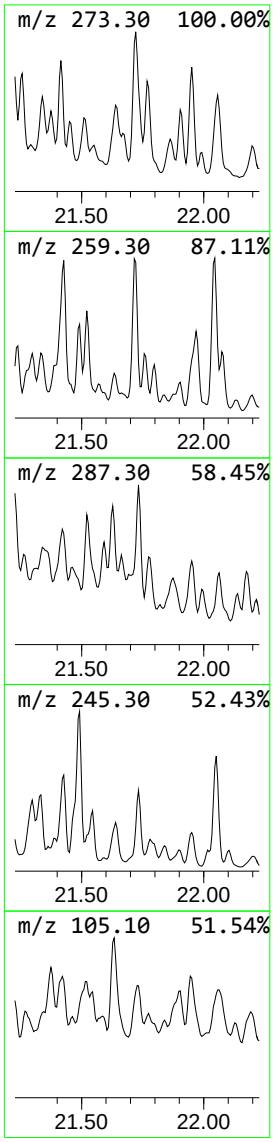
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Peak Number 14 unknown21.727 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.727	18.42 ng	15944300	Chrysene-d12	21.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4-Oxadiazol-5(4H)-one, 4-(2-...	273	C13H8ClN3O2	288246-55-9	35
2	4-(2-Carbamoyl-2-cyano-1-methylv...	273	C14H15N3O3	1000311-98-1	35
3	3-Methyl-3-(naphthalen-1-yl)isob...	274	C19H14O2	078772-71-1	30
4	Bi-1-cyclohexen-1-yl, 3,3,3',3',...	274	C20H34	076993-52-7	30
5	Propanamide, N-(1-ethyl-1,2,3,4-...	274	C17H26N2O	063134-09-8	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
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Instrument :
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ClientSampleId :
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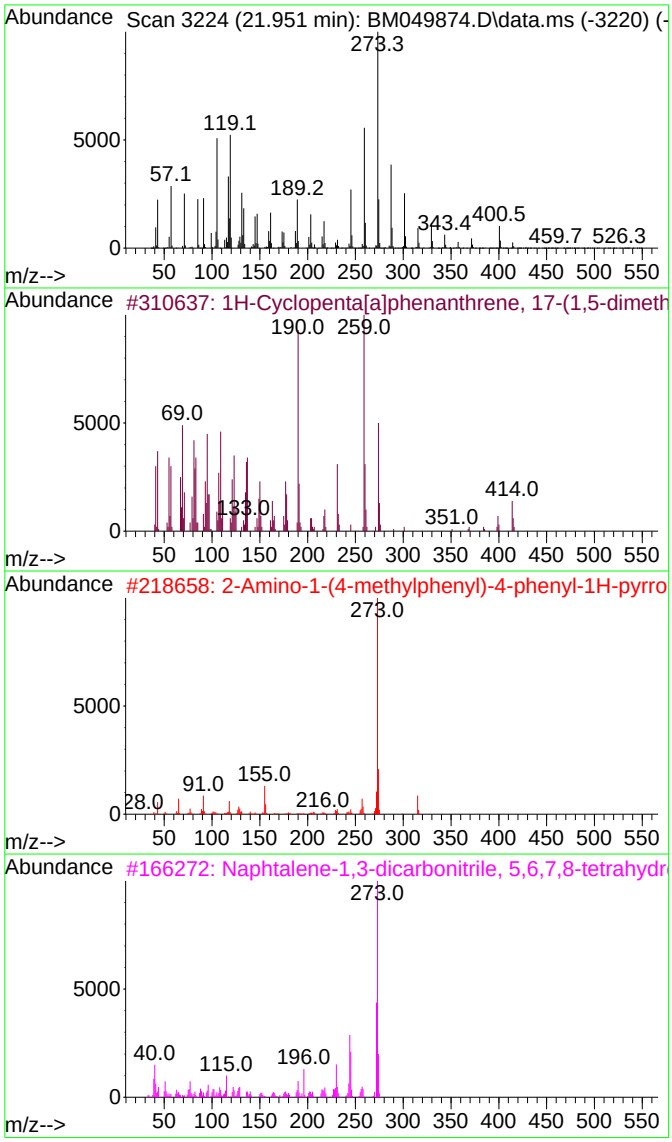
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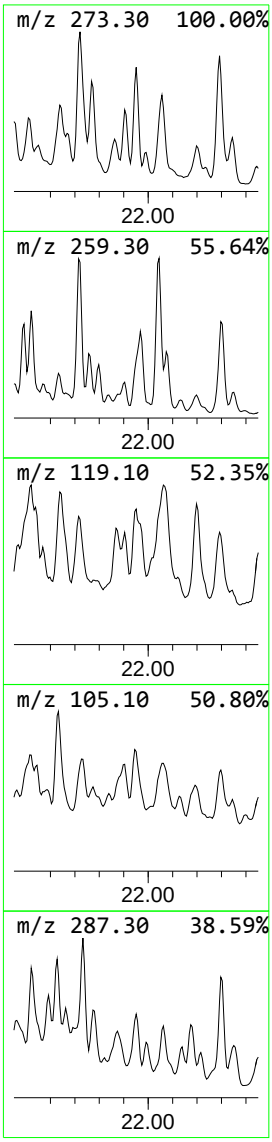
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 1H-Cyclopenta[a]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.951	17.17 ng	14862200	Chrysene-d12	21.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopenta[a]phenanthrene, 17...	414	C30H54	000474-20-4	91
2	2-Amino-1-(4-methylphenyl)-4-phe...	315	C20H17N3O	1000479-67-7	38
3	Naphtalene-1,3-dicarbonitrile, 5...	274	C18H14N2O	1000259-78-7	30
4	Euparin, TMS derivative	288	C16H20O3Si	1000478-60-9	30
5	Silane, diethylheptyloxy(2-hexyl...	302	C17H38O2Si	1000363-50-2	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

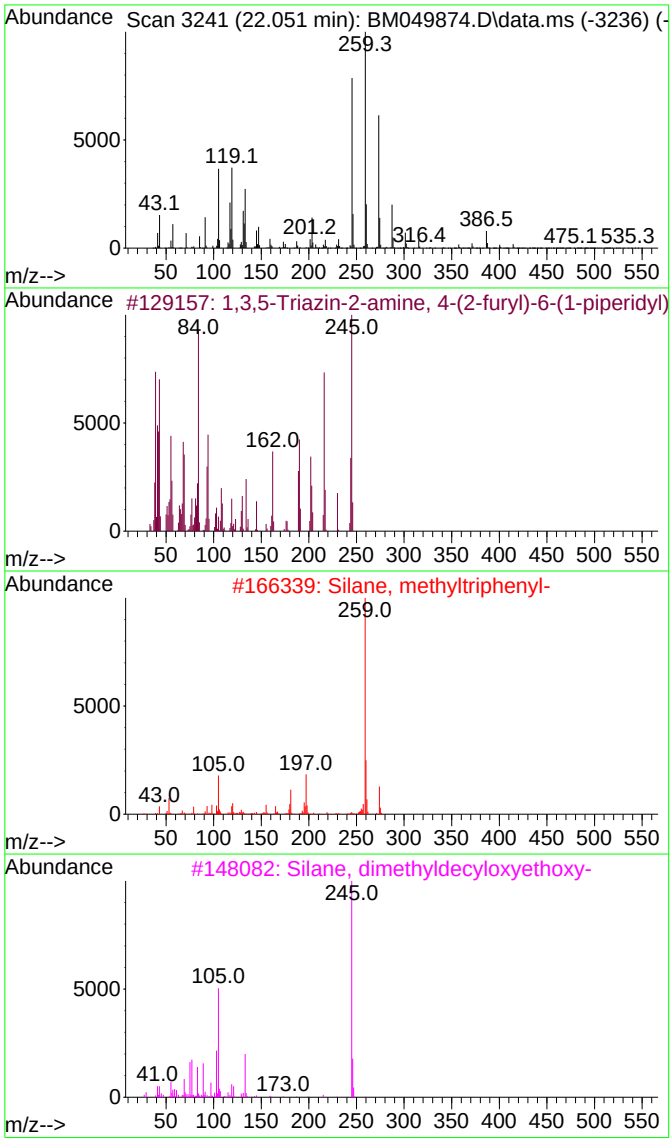
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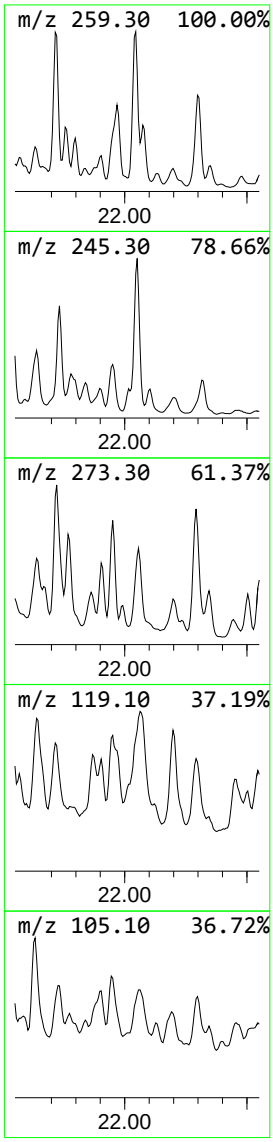
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Peak Number 16 unknown22.051 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.051	21.51 ng	18618800	Chrysene-d12	21.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,5-Triazin-2-amine, 4-(2-fury...	245	C12H15N5O	148403-53-6	25
2	Silane, methyltriphenyl-	274	C19H18Si	000791-29-7	22
3	Silane, dimethyldecyloxyethoxy-	260	C14H32O2Si	1000346-91-9	22
4	1,4-Benzenediamine, N,N-dimethyl...	259	C13H13N3O3	126893-37-6	18
5	Pyrimidine-2,4,6(1H,3H,5H)-trion...	274	C13H14N4O3	346612-04-2	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

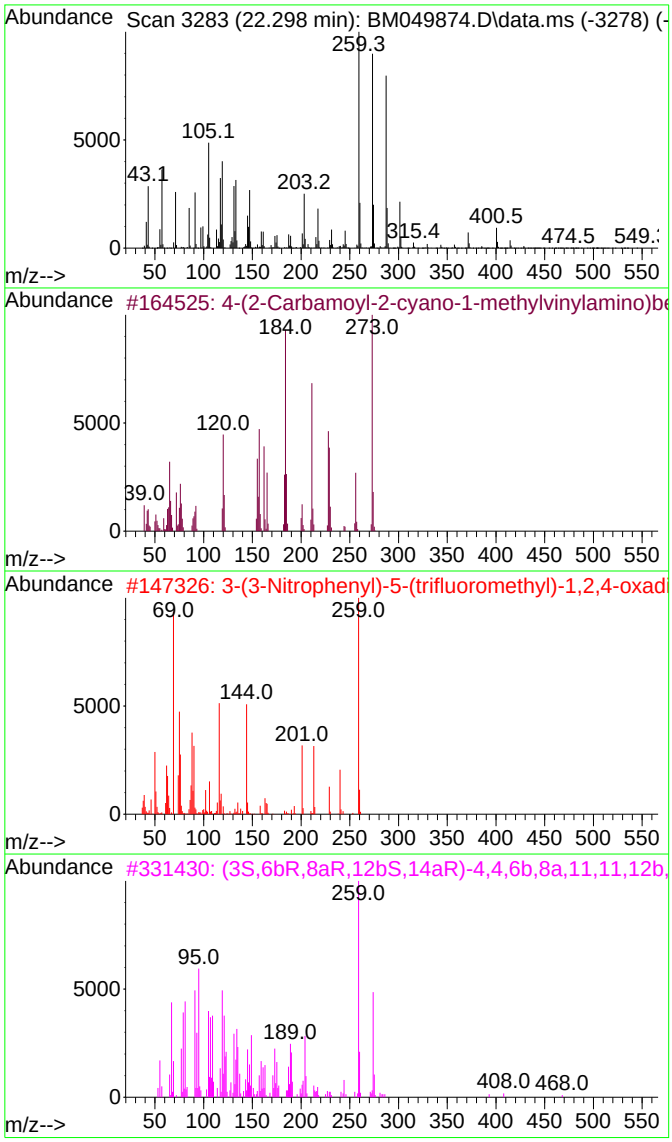
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

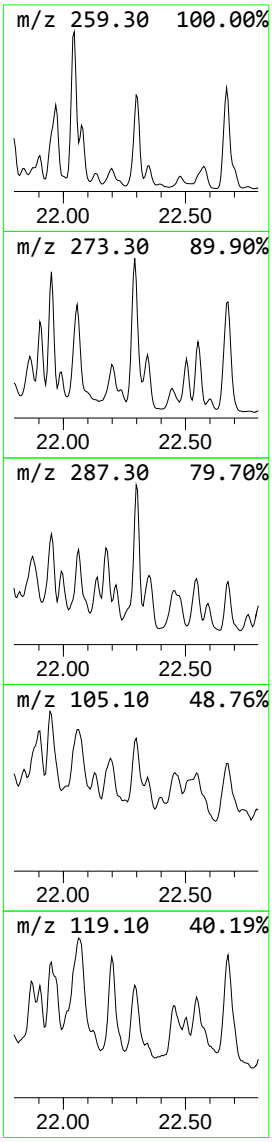
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TIC Integration Parameters: LSCINT.P

****
Peak Number 17 4-(2-Carbamoyl-2-cyano-1-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.298	18.49 ng	16010300	Chrysene-d12	21.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(2-Carbamoyl-2-cyano-1-methylv...	273	C14H15N3O3	1000311-98-1	53
2	3-(3-Nitrophenyl)-5-(trifluorome...	259	C9H4F3N3O3	071754-22-8	25
3	(3S,6bR,8aR,12bS,14aR)-4,4,6b,8a...	468	C32H52O2	1000441-99-4	18
4	3-Methyl-3-(naphthalen-1-yl)isob...	274	C19H14O2	078772-71-1	18
5	Propanamide, N-(1-ethyl-1,2,3,4-...	274	C17H26N2O	063134-09-8	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

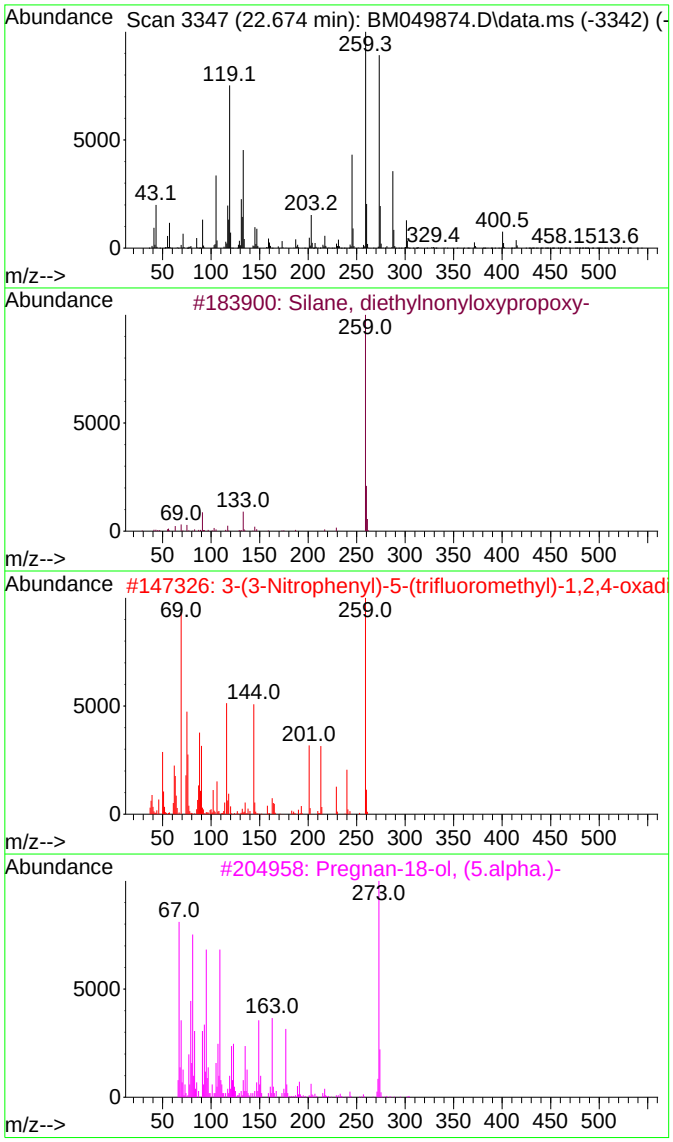
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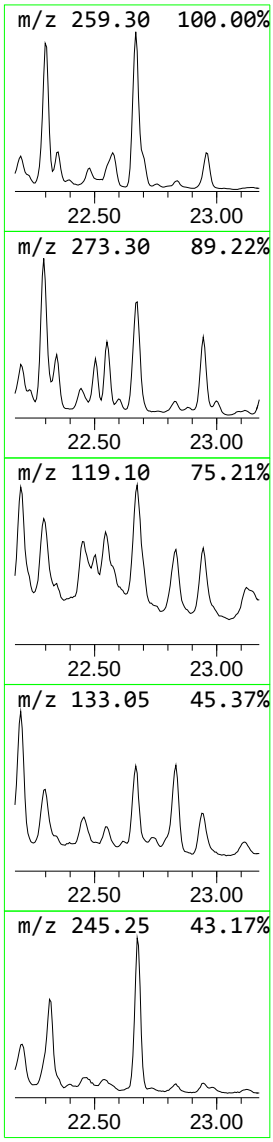
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Peak Number 18 unknown22.674 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.674	16.32 ng	14125700	Chrysene-d12	21.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, diethylnonyloxypropoxy-	288	C16H36O2Si	1010363-08-5	22
2	3-(3-Nitrophenyl)-5-(trifluorome...	259	C9H4F3N3O3	071754-22-8	11
3	Pregnan-18-ol, (5.alpha.)-	304	C21H36O	056053-09-9	11
4	3Ah-pyrrolo[3,4-d]isoxazole-3-ca...	274	C13H10N2O5	1010317-17-8	11
5	Diglycolic acid, 2-acetylphenyl ...	406	C23H34O6	1000382-72-7	11





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

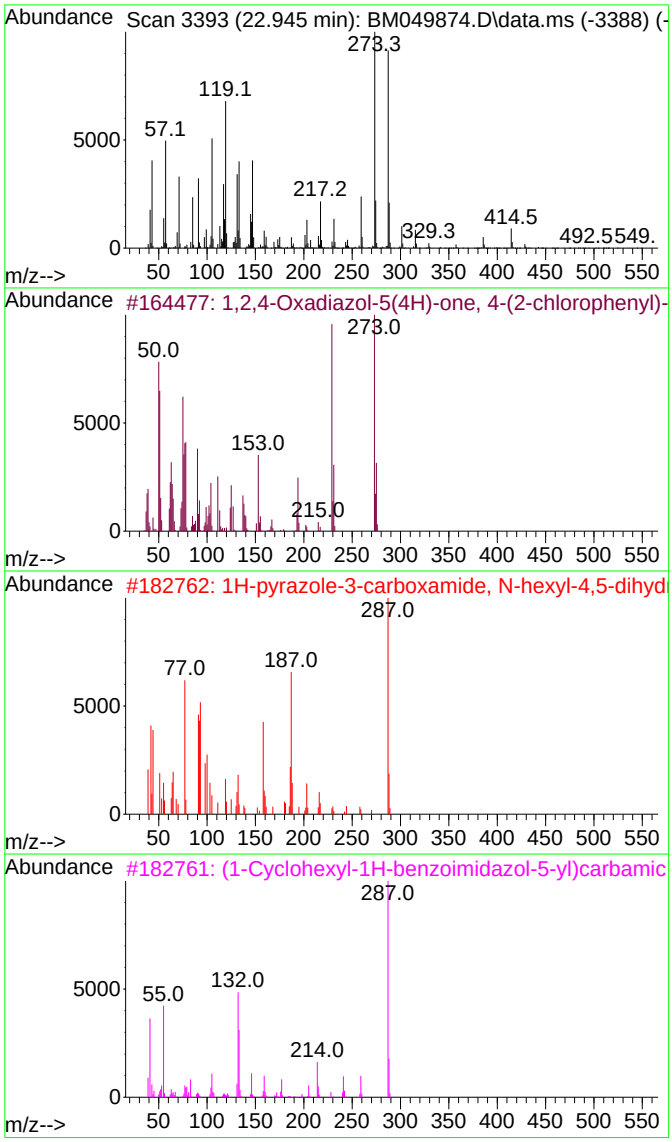
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

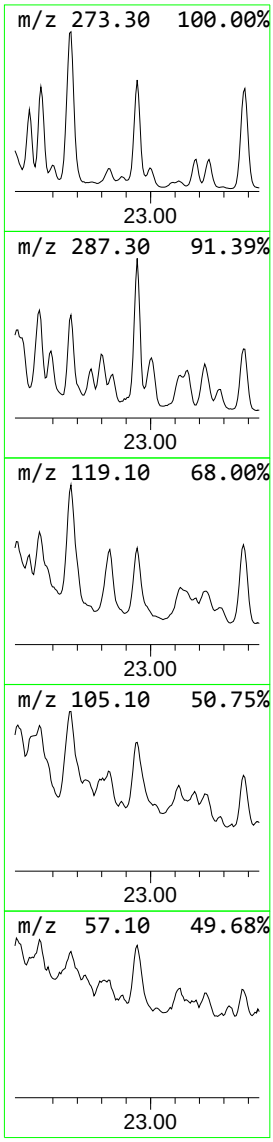
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 1,2,4-Oxadiazol-5(4H)-one, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.945	32.27 ng	13412800	Perylene-d12	24.415

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4-Oxadiazol-5(4H)-one, 4-(2-...	273	C13H8ClN3O2	288246-55-9	56
2	1H-pyrazole-3-carboxamide, N-hex...	287	C16H21N3O2	1000397-27-6	25
3	(1-Cyclohexyl-1H-benzoimidazol-5...	287	C16H21N3O2	1000310-00-5	25
4	4-Amino-3-ethyl-1,2,4-triazole-5...	288	C10H24N4SSi2	1000479-88-4	22
5	Pyridinitril	273	C13H5Cl2N3	001086-02-8	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

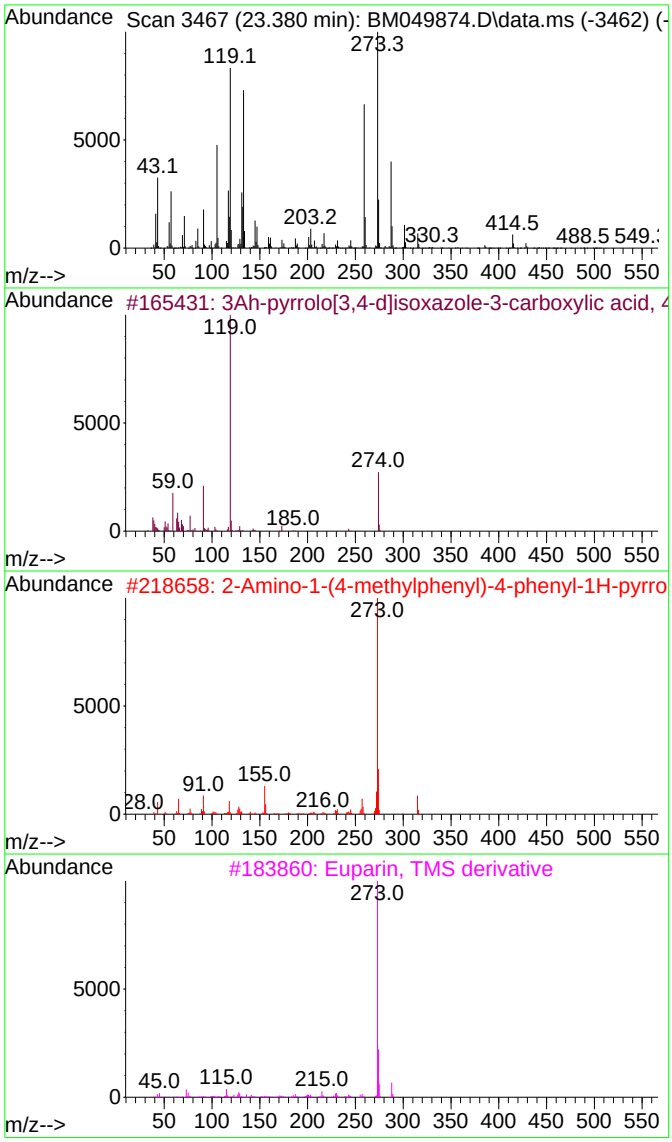
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TIC Integration Parameters: LSCINT.P

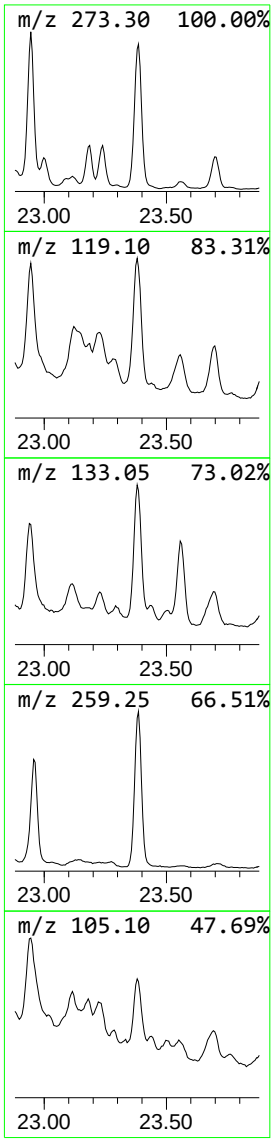
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Peak Number 20 unknown23.380 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.380	20.00 ng	8312320	Perylene-d12	24.415

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3Ah-pyrrolo[3,4-d]isoxazole-3-ca...	274	C13H10N2O5	1010317-17-8	20
2	2-Amino-1-(4-methylphenyl)-4-phe...	315	C20H17N3O	1000479-67-7	20
3	Euparin, TMS derivative	288	C16H20O3Si	1000478-60-9	18
4	N-Methylpiperidino[2,4-b,c]1,2,3...	273	C18H27NO	1000128-54-7	18
5	Terephthalic acid, di(4-fluoro-2...	414	C22H16F2O6	1010415-83-7	18





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049874.D
Acq On : 09 Apr 2025 19:01
Operator : RC/JU
Sample : Q1739-01 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
WC-LIQUID-20250404

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclohexanone, ...	11.822	15.9	ng	1905960	2	10.569	2393030	20.0
2,4,4,6,6,8,8-H...	12.851	21.6	ng	3041790	3	14.422	2823510	20.0
unknown13.469	13.469	14.7	ng	2073850	3	14.422	2823510	20.0
unknown15.369	15.369	16.5	ng	2324750	3	14.422	2823510	20.0
Benzene, (1-met...	17.075	16.4	ng	9989480	4	17.163	12142200	20.0
Benzene, (1-pro...	17.339	12.9	ng	7840880	4	17.163	12142200	20.0
unknown17.486	17.486	9.5	ng	5740720	4	17.163	12142200	20.0
Benzene, (1-eth...	17.545	23.9	ng	14523000	4	17.163	12142200	20.0
Benzene, (1,1,4...	17.710	24.8	ng	15060800	4	17.163	12142200	20.0
Benzene, (1-met...	17.839	48.2	ng	29244000	4	17.163	12142200	20.0
Benzene, (1-met...	18.551	19.1	ng	11614800	4	17.163	12142200	20.0
unknown21.127	21.127	13.1	ng	11303600	5	21.410	17315700	20.0
unknown21.633	21.633	20.5	ng	17724200	5	21.410	17315700	20.0
unknown21.727	21.727	18.4	ng	15944300	5	21.410	17315700	20.0
1H-Cyclopenta[a...	21.951	17.2	ng	14862200	5	21.410	17315700	20.0
unknown22.051	22.051	21.5	ng	18618800	5	21.410	17315700	20.0
4-(2-Carbamoyl-...	22.298	18.5	ng	16010300	5	21.410	17315700	20.0
unknown22.674	22.674	16.3	ng	14125700	5	21.410	17315700	20.0
1,2,4-Oxadiazol...	22.945	32.3	ng	13412800	6	24.415	8312320	20.0
unknown23.380	23.380	20.0	ng	8312320	6	24.415	8312320	20.0

CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG No.: Q1739

Instrument ID: BNA_M Calibration Date(s): 04/08/2025 04/08/2025

Calibration Time(s): 13:35 20:07

LAB FILE ID: RRF2.5 = BM049848.D RRF005 = BM049849.D RRF010 = BM049850.D
RRF020 = BM049851.D RRF040 = BM049852.D RRF050 = BM049853.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.145	1.144	1.213	1.191	1.165	1.178	2.4
Benzaldehyde		0.874	0.830	0.838	0.750	0.712	0.752	14.3
Phenol-d6		1.391	1.392	1.523	1.491	1.433	1.465	4.2
Phenol		1.376	1.370	1.482	1.441	1.394	1.430	3.6
bis(2-Chloroethyl)ether		1.113	1.084	1.147	1.135	1.096	1.121	2.4
2-Chlorophenol		1.180	1.191	1.250	1.218	1.174	1.207	2.4
2-Methylphenol		0.858	0.856	0.916	0.891	0.850	0.881	3.3
2,2-oxybis(1-Chloropropane)		1.268	1.235	1.312	1.267	1.192	1.250	3.2
Acetophenone		0.463	0.477	0.496	0.498	0.482	0.486	2.6
3+4-Methylphenols		1.140	1.142	1.246	1.224	1.170	1.201	4.3
n-Nitroso-di-n-propylamine	0.760	0.786	0.783	0.860	0.836	0.793	0.812	4.6
Nitrobenzene-d5		0.335	0.344	0.366	0.368	0.361	0.359	4.0
Hexachloroethane		0.505	0.494	0.520	0.504	0.486	0.500	2.3
Nitrobenzene		0.329	0.329	0.354	0.356	0.345	0.346	3.5
Isophorone		0.569	0.568	0.613	0.616	0.598	0.602	4.0
2-Nitrophenol		0.162	0.165	0.183	0.189	0.190	0.183	7.9
2,4-Dimethylphenol		0.185	0.194	0.208	0.213	0.212	0.208	6.5
bis(2-Chloroethoxy)methane		0.386	0.386	0.411	0.410	0.399	0.403	3.1
2,4-Dichlorophenol		0.319	0.320	0.348	0.353	0.349	0.345	5.5
Naphthalene		1.004	0.990	1.045	1.042	1.019	1.028	2.3
4-Chloroaniline		0.348	0.351	0.376	0.380	0.359	0.363	3.3
Hexachlorobutadiene		0.238	0.236	0.245	0.249	0.249	0.247	3.3
Caprolactam		0.093	0.089	0.100	0.102	0.099	0.099	6.3
4-Chloro-3-methylphenol		0.277	0.276	0.305	0.309	0.303	0.302	6.4
2-Methylnaphthalene		0.683	0.685	0.729	0.734	0.721	0.724	4.2
Hexachlorocyclopentadiene		0.214	0.223	0.247	0.264	0.260	0.245	7.9
2,4,6-Trichlorophenol		0.417	0.420	0.444	0.459	0.449	0.445	4.5
2-Fluorobiphenyl		1.425	1.414	1.499	1.515	1.486	1.475	2.7
2,4,5-Trichlorophenol		0.465	0.452	0.472	0.500	0.483	0.484	4.5
1,1-Biphenyl		1.451	1.429	1.514	1.528	1.480	1.487	2.5
2-Chloronaphthalene		1.140	1.144	1.188	1.194	1.163	1.169	1.9
2-Nitroaniline		0.232	0.242	0.272	0.283	0.281	0.270	8.8
Dimethylphthalate		1.366	1.331	1.430	1.438	1.411	1.411	3.3
Acenaphthylene		1.627	1.613	1.718	1.742	1.711	1.702	3.5

All other compounds must meet a minimum RRF of 0.010.

Raw Data

Alliance TECHNICAL GROUP

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG No.: Q1739

Instrument ID: BNA_M Calibration Date(s): 04/08/2025 04/08/2025

Calibration Time(s): 13:35 20:07

LAB FILE ID: RRF2.5 = BM049848.D RRF005 = BM049849.D RRF010 = BM049850.D
RRF020 = BM049851.D RRF040 = BM049852.D RRF050 = BM049853.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.249	0.265	0.303	0.310	0.305	0.296	9.4
3-Nitroaniline		0.236	0.253	0.290	0.310	0.295	0.286	10.6
Acenaphthene		1.027	1.023	1.089	1.113	1.089	1.083	3.8
2,4-Dinitrophenol			0.097	0.148	0.184	0.194	0.175	26.0
4-Nitrophenol		0.195	0.213	0.257	0.270	0.273	0.255	14.3
Dibenzofuran		1.737	1.709	1.821	1.845	1.815	1.810	3.5
2,4-Dinitrotoluene		0.309	0.333	0.395	0.421	0.420	0.394	13.4
Diethylphthalate		1.311	1.270	1.378	1.390	1.347	1.353	3.5
4-Chlorophenyl-phenylether		0.699	0.694	0.761	0.789	0.791	0.771	7.4
Fluorene		1.354	1.335	1.450	1.481	1.456	1.439	4.7
4-Nitroaniline		0.227	0.247	0.301	0.320	0.316	0.295	14.0
4,6-Dinitro-2-methylphenol			0.094	0.119	0.132	0.133	0.126	13.6
n-Nitrosodiphenylamine		0.561	0.578	0.606	0.619	0.602	0.599	3.5
2,4,6-Tribromophenol		0.258	0.255	0.280	0.294	0.298	0.291	9.9
4-Bromophenyl-phenylether		0.212	0.212	0.227	0.239	0.237	0.232	6.8
Hexachlorobenzene		0.249	0.250	0.262	0.273	0.268	0.266	5.1
Atrazine		0.186	0.177	0.142	0.130	0.142	0.155	15.9
Pentachlorophenol		0.181	0.186	0.191	0.204	0.197	0.196	5.5
Phenanthrene		1.031	1.030	1.095	1.133	1.104	1.096	4.4
Anthracene		0.997	1.004	1.074	1.125	1.099	1.081	5.4
Carbazole		0.922	0.952	1.024	1.059	1.038	1.018	5.7
Di-n-butylphthalate		1.119	1.120	1.189	1.216	1.176	1.172	3.2
Fluoranthene		1.187	1.206	1.310	1.387	1.395	1.348	8.8
Pyrene		1.310	1.280	1.395	1.408	1.393	1.378	4.3
Terphenyl-d14		0.988	1.004	1.139	1.187	1.142	1.067	7.9
Butylbenzylphthalate		0.502	0.500	0.537	0.536	0.511	0.518	2.9
3,3-Dichlorobenzidine		0.428	0.450	0.492	0.526	0.516	0.502	9.7
Benzo(a)anthracene		1.237	1.226	1.335	1.362	1.345	1.329	5.4
Chrysene		1.179	1.173	1.261	1.292	1.277	1.264	5.2
Bis(2-ethylhexyl)phthalate		0.758	0.747	0.790	0.783	0.740	0.755	3.2
Di-n-octyl phthalate		1.291	1.287	1.366	1.362	1.307	1.320	2.4
Benzo(b)fluoranthene		1.141	1.157	1.223	1.308	1.313	1.277	8.4
Benzo(k)fluoranthene		1.132	1.122	1.209	1.242	1.263	1.238	7.5
Benzo(a)pyrene		1.011	1.026	1.096	1.130	1.154	1.122	7.5
Indeno(1,2,3-cd)pyrene		1.375	1.368	1.480	1.507	1.523	1.491	6.2

All other compounds must meet a minimum RRF of 0.010.

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG No.: Q1739

Instrument ID: BNA_M Calibration Date(s): 04/08/2025 04/08/2025

Calibration Time(s): 13:35 20:07

LAB FILE ID: RRF2.5 = BM049848.D RRF005 = BM049849.D RRF010 = BM049850.D
RRF020 = BM049851.D RRF040 = BM049852.D RRF050 = BM049853.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		1.128	1.128	1.205	1.244	1.258	1.228	6.4
Benzo(g,h,i)perylene		1.178	1.179	1.255	1.265	1.269	1.255	4.7
1,2,4,5-Tetrachlorobenzene		0.664	0.662	0.697	0.706	0.711	0.700	4.0
1,4-Dioxane		0.497	0.470	0.501	0.488	0.486	0.485	2.5
2,3,4,6-Tetrachlorophenol		0.418	0.397	0.416	0.427	0.420	0.424	4.2

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 09 04:00:55 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM049848.D 5 =BM049849.D 10 =BM049850.D 20 =BM049851.D 40 =BM049852.D 50 =BM049853.D 60 =BM049854.D 80 =BM0498
55.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.497	0.470	0.501	0.488	0.486	0.471	0.483	0.485	2.47
3)		Pyridine		1.262	1.220	1.322	1.287	1.276	1.278	1.276	1.274	2.40
4)		n-Nitrosodimet...		0.478	0.461	0.496	0.489	0.484	0.500	0.488	0.485	2.67
5)	S	2-Fluorophenol		1.145	1.144	1.213	1.191	1.165	1.210	1.177	1.178	2.40
6)		Aniline		1.304	1.315	1.396	1.325	1.153	1.142	1.154	1.256	8.22
7)	S	Phenol-d6		1.391	1.392	1.523	1.491	1.433	1.543	1.485	1.465	4.15
8)		2-Chlorophenol		1.180	1.191	1.250	1.218	1.174	1.239	1.199	1.207	2.42
9)		Benzaldehyde		0.873	0.830	0.838	0.750	0.712	0.701	0.561	0.752	14.25
10)	C	Phenol		1.376	1.370	1.482	1.441	1.394	1.496	1.451	1.430	3.56
11)		bis(2-Chloroet...		1.113	1.084	1.147	1.135	1.096	1.160	1.114	1.121	2.45
12)		1,3-Dichlorobe...		1.417	1.391	1.475	1.438	1.418	1.441	1.409	1.427	1.90
13)	C	1,4-Dichlorobe...		1.418	1.399	1.488	1.453	1.412	1.455	1.426	1.436	2.15
14)		1,2-Dichlorobe...		1.348	1.325	1.402	1.374	1.324	1.359	1.334	1.352	2.12
15)		Benzyl Alcohol		0.852	0.857	0.950	0.953	0.904	0.993	0.951	0.923	5.79
16)		2,2'-oxybis(1-...		1.268	1.235	1.312	1.267	1.192	1.261	1.214	1.250	3.18
17)		2-Methylphenol		0.858	0.856	0.916	0.891	0.850	0.920	0.877	0.881	3.29
18)		Hexachloroethane		0.505	0.494	0.520	0.504	0.486	0.501	0.488	0.500	2.32
19)	P	n-Nitroso-di-n...	0.760	0.786	0.783	0.860	0.836	0.793	0.859	0.816	0.812	4.60
20)		3+4-Methylphenols		1.140	1.142	1.246	1.224	1.170	1.272	1.215	1.201	4.31
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.463	0.477	0.496	0.498	0.482	0.494	0.493	0.486	2.64
23)	S	Nitrobenzene-d5		0.335	0.344	0.366	0.368	0.361	0.370	0.371	0.359	3.96
24)		Nitrobenzene		0.329	0.329	0.354	0.356	0.345	0.353	0.354	0.346	3.49
25)		Isophorone		0.569	0.568	0.613	0.616	0.598	0.628	0.620	0.602	4.05
26)	C	2-Nitrophenol		0.162	0.165	0.183	0.189	0.190	0.197	0.197	0.183	7.91
27)		2,4-Dimethylph...		0.185	0.194	0.208	0.213	0.212	0.221	0.221	0.208	6.48
28)		bis(2-Chloroet...		0.386	0.386	0.411	0.410	0.399	0.415	0.412	0.403	3.08
29)	C	2,4-Dichloroph...		0.319	0.320	0.348	0.353	0.349	0.364	0.364	0.345	5.45
30)		1,2,4-Trichlor...		0.386	0.380	0.401	0.404	0.399	0.412	0.413	0.399	3.11
31)		Naphthalene		1.004	0.990	1.045	1.042	1.019	1.050	1.045	1.028	2.32
32)		Benzoic acid			0.109	0.175	0.230	0.240	0.283	0.283	0.220	30.63
33)		4-Chloroaniline		0.348	0.351	0.376	0.380	0.359	0.359	0.366	0.363	3.34
34)	C	Hexachlorobuta...		0.238	0.236	0.245	0.249	0.249	0.255	0.258	0.247	3.33
35)		Caprolactam		0.093	0.089	0.100	0.102	0.099	0.107	0.104	0.099	6.29
36)	C	4-Chloro-3-met...		0.277	0.276	0.305	0.309	0.303	0.326	0.321	0.302	6.41
37)		2-Methylnaphth...		0.683	0.685	0.729	0.734	0.721	0.762	0.755	0.724	4.23
38)		1-Methylnaphth...		0.680	0.659	0.711	0.713	0.703	0.739	0.732	0.705	3.97

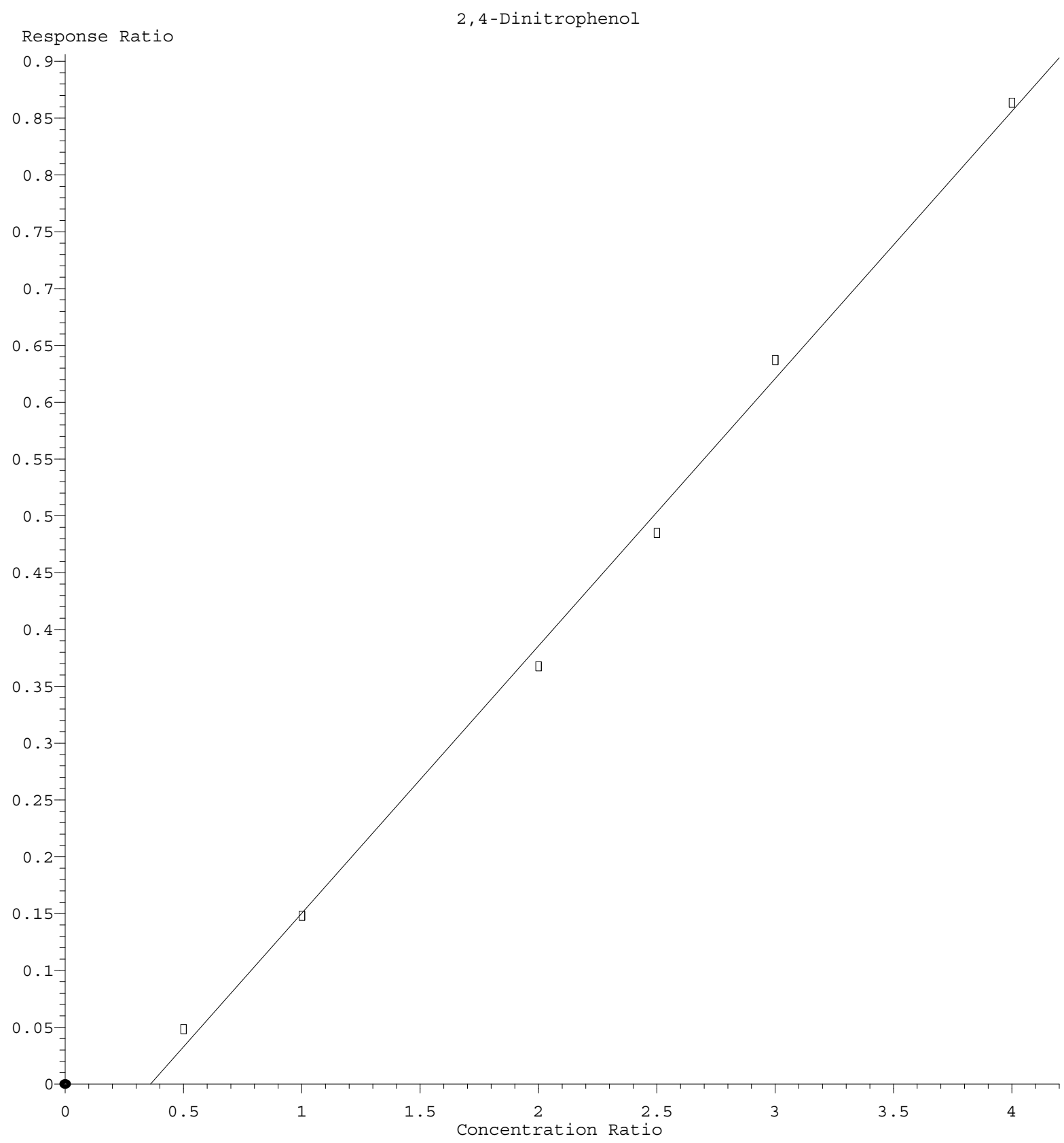
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.664	0.662	0.697	0.706	0.711	0.721	0.737	0.700	4.02
41)	P	Hexachlorocycl...	0.214	0.223	0.247	0.264	0.260	0.258	0.251	0.245	7.86
42)	S	2,4,6-Tribromo...	0.258	0.255	0.280	0.294	0.298	0.323	0.328	0.291	9.94
43)	C	2,4,6-Trichlor...	0.417	0.420	0.444	0.459	0.449	0.459	0.468	0.445	4.46
44)		2,4,5-Trichlor...	0.465	0.452	0.472	0.500	0.483	0.504	0.510	0.484	4.52
45)	S	2-Fluorobiphenyl	1.425	1.414	1.499	1.515	1.486	1.482	1.504	1.475	2.68
46)		1,1'-Biphenyl	1.451	1.429	1.514	1.528	1.480	1.490	1.515	1.487	2.45
47)		2-Chloronaphth...	1.140	1.144	1.188	1.194	1.163	1.162	1.189	1.169	1.88
48)		2-Nitroaniline	0.232	0.242	0.272	0.283	0.281	0.286	0.295	0.270	8.83
49)		Acenaphthylene	1.627	1.613	1.718	1.742	1.711	1.735	1.768	1.702	3.46
50)		Dimethylphthalate	1.366	1.331	1.430	1.438	1.411	1.446	1.455	1.411	3.27
51)		2,6-Dinitrotol...	0.249	0.265	0.303	0.310	0.305	0.317	0.320	0.296	9.38
52)	C	Acenaphthene	1.027	1.023	1.089	1.113	1.089	1.110	1.127	1.083	3.83
53)		3-Nitroaniline	0.236	0.253	0.290	0.310	0.295	0.295	0.321	0.286	10.64
54)	P	2,4-Dinitrophenol		0.097	0.148	0.184	0.194	0.212	0.216	0.175	26.04
55)		Dibenzofuran	1.737	1.709	1.821	1.845	1.815	1.862	1.879	1.810	3.52
56)	P	4-Nitrophenol	0.195	0.213	0.257	0.270	0.273	0.286	0.288	0.255	14.34
57)		2,4-Dinitrotol...	0.309	0.333	0.395	0.421	0.420	0.440	0.443	0.394	13.45
58)		Fluorene	1.354	1.335	1.450	1.481	1.456	1.489	1.505	1.439	4.67
59)		2,3,4,6-Tetrac...	0.418	0.397	0.416	0.427	0.420	0.440	0.452	0.424	4.21
60)		Diethylphthalate	1.311	1.270	1.378	1.390	1.347	1.378	1.397	1.353	3.46
61)		4-Chlorophenyl...	0.699	0.694	0.761	0.789	0.791	0.830	0.836	0.771	7.43
62)		4-Nitroaniline	0.227	0.247	0.301	0.320	0.316	0.327	0.331	0.295	14.02
63)		Azobenzene	1.077	1.085	1.185	1.202	1.167	1.192	1.200	1.158	4.67
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.094	0.119	0.132	0.133	0.138	0.140	0.126	13.60
66)	c	n-Nitrosodiphe...	0.561	0.578	0.606	0.619	0.602	0.610	0.614	0.599	3.54
67)		4-Bromophenyl-...	0.212	0.212	0.227	0.239	0.237	0.247	0.252	0.232	6.83
68)		Hexachlorobenzene	0.249	0.250	0.262	0.273	0.268	0.279	0.284	0.266	5.08
69)		Atrazine	0.186	0.177	0.142	0.130	0.142		0.155		15.89
70)	C	Pentachlorophenol	0.181	0.186	0.191	0.204	0.197	0.204	0.210	0.196	5.46
71)		Phenanthrene	1.031	1.030	1.095	1.133	1.104	1.135	1.147	1.096	4.41
72)		Anthracene	0.997	1.004	1.074	1.125	1.099	1.125	1.140	1.081	5.41
73)		Carbazole	0.922	0.952	1.024	1.059	1.038	1.060	1.071	1.018	5.69
74)		Di-n-butylphth...	1.119	1.120	1.189	1.216	1.176	1.191	1.196	1.172	3.22
75)	C	Fluoranthene	1.187	1.206	1.310	1.387	1.395	1.463	1.488	1.348	8.78
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.319	0.260	0.205	0.403	0.163	0.150	0.357	0.265	36.93
78)		Pyrene	1.310	1.280	1.395	1.408	1.393	1.419	1.443	1.378	4.35
79)	S	Terphenyl-d14	0.988	1.004	1.139	1.187	1.142	1.007	1.004	1.067	7.91
80)		Butylbenzylpht...	0.502	0.500	0.537	0.536	0.511	0.516	0.523	0.518	2.88
81)		Benzo(a)anthra...	1.237	1.226	1.335	1.362	1.345	1.391	1.408	1.329	5.38
82)		3,3'-Dichlorob...	0.428	0.450	0.492	0.526	0.516	0.538	0.565	0.502	9.74
83)		Chrysene	1.179	1.173	1.261	1.292	1.277	1.318	1.346	1.264	5.21
84)		Bis(2-ethylhex...	0.758	0.747	0.790	0.783	0.740	0.727	0.737	0.755	3.16
85)	c	Di-n-octyl pht...	1.291	1.287	1.366	1.362	1.307	1.311	1.316	1.320	2.42

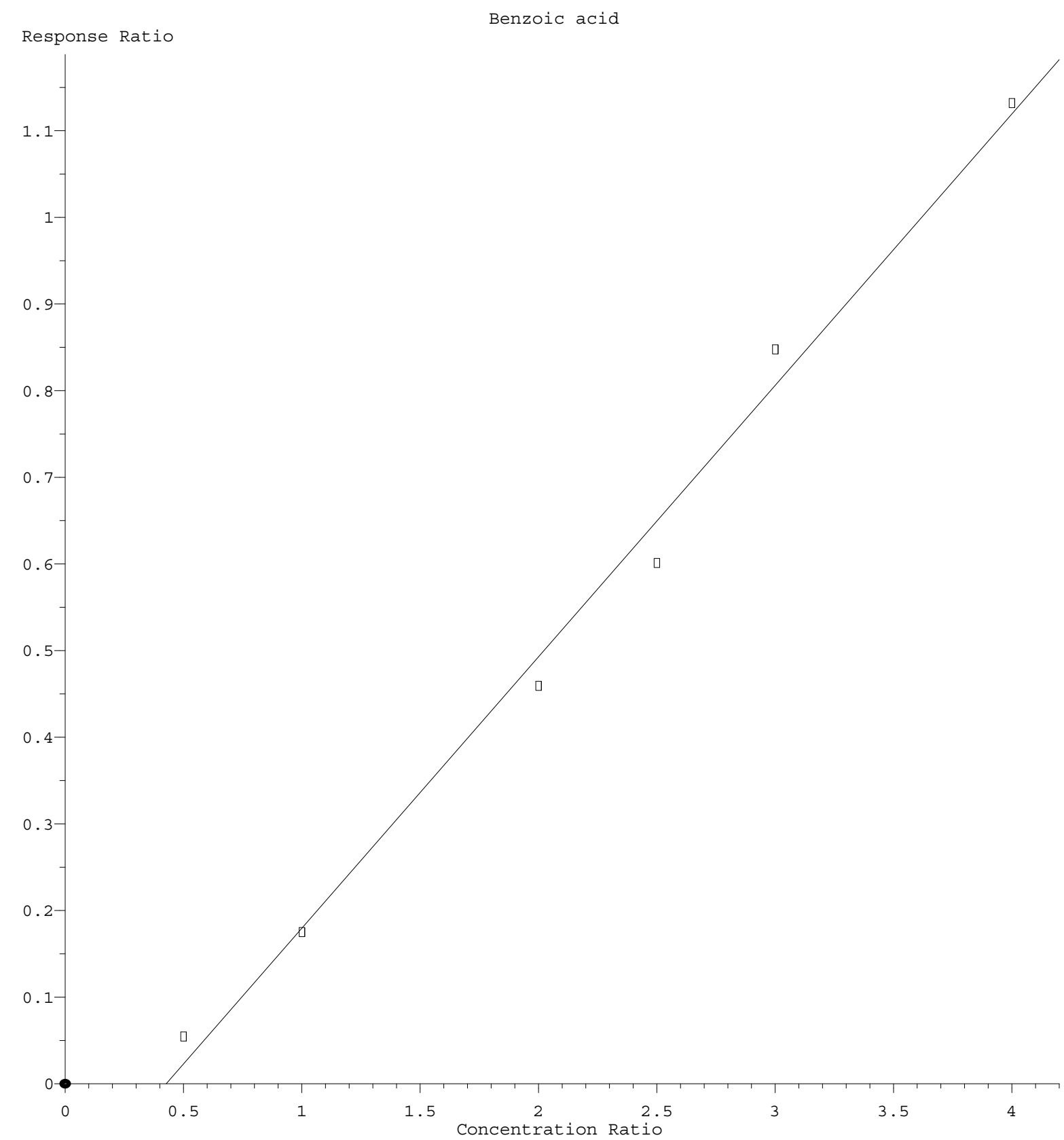
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM040825.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.375	1.368	1.480	1.507	1.523	1.577	1.606	1.491	6.16
88)		Benzo(b)fluora...	1.141	1.157	1.223	1.308	1.313	1.379	1.420	1.277	8.40
89)		Benzo(k)fluora...	1.132	1.122	1.209	1.242	1.263	1.336	1.362	1.238	7.46
90)	C	Benzo(a)pyrene	1.011	1.026	1.096	1.130	1.154	1.209	1.230	1.122	7.50
91)		Dibenzo(a,h)an...	1.128	1.128	1.205	1.244	1.258	1.301	1.331	1.228	6.43
92)		Benzo(g,h,i)pe...	1.178	1.179	1.255	1.265	1.269	1.310	1.328	1.255	4.65

(#) = Out of Range



Response = 2.353e-001 * Amt - 8.501e-002
Coef of Det (r^2) = 0.997352 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM040825.M
Calibration Table Last Updated: Wed Apr 09 04:00:55 2025



Response = 3.132e-001 * Amt - 1.337e-001
Coef of Det (r^2) = 0.992281 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM040825.M
Calibration Table Last Updated: Wed Apr 09 04:00:55 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049848.D
Acq On : 08 Apr 2025 13:35
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 09 02:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	320498	20.000	ng	0.00
21) Naphthalene-d8	10.574	136	1104487	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	681841	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1325316	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1306777	20.000	ng	0.00
86) Perylene-d12	24.409	264	1436109	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...	8.580	70	30460	2.342	ng	98

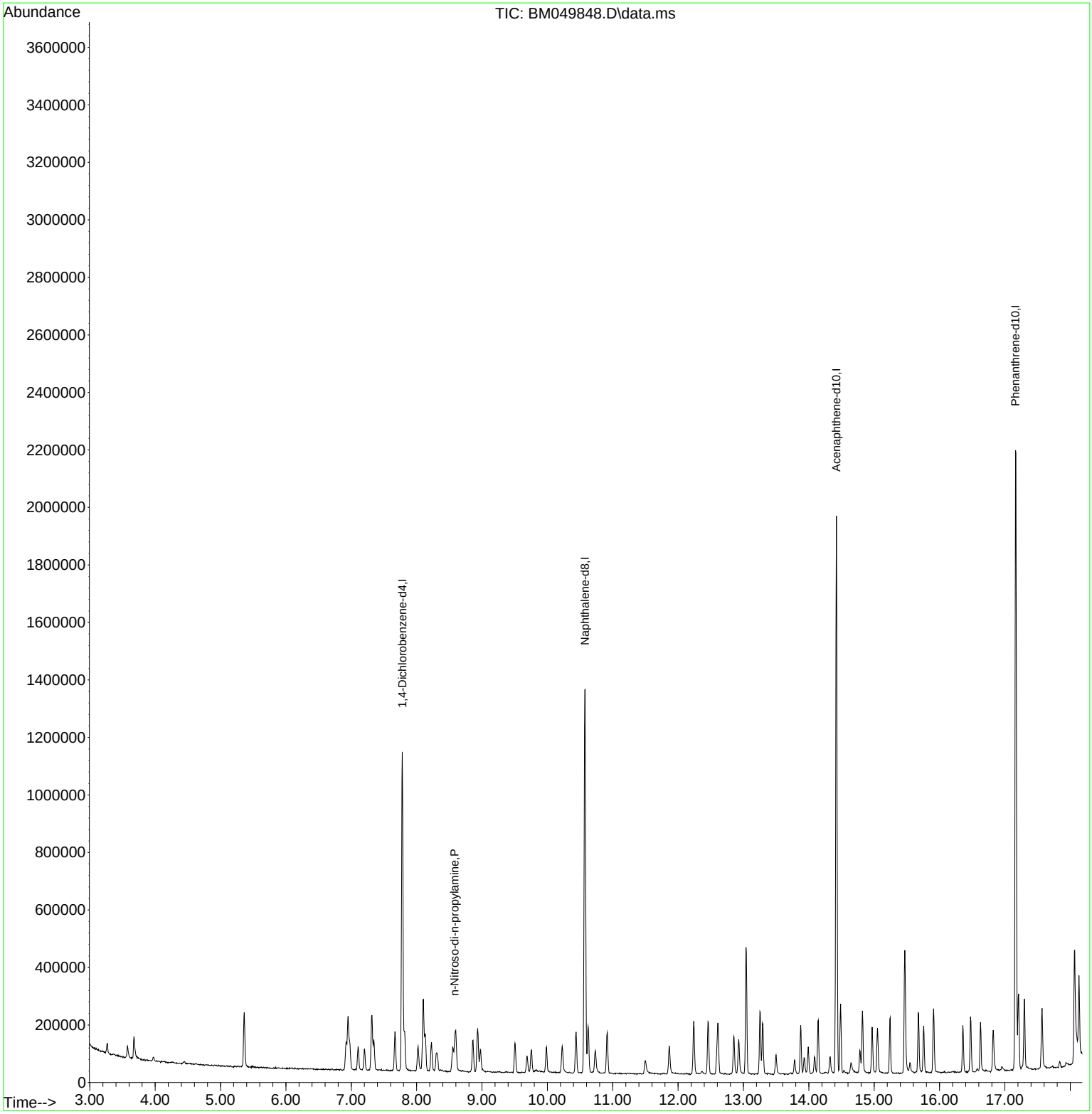
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049848.D
Acq On : 08 Apr 2025 13:35
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 09 02:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

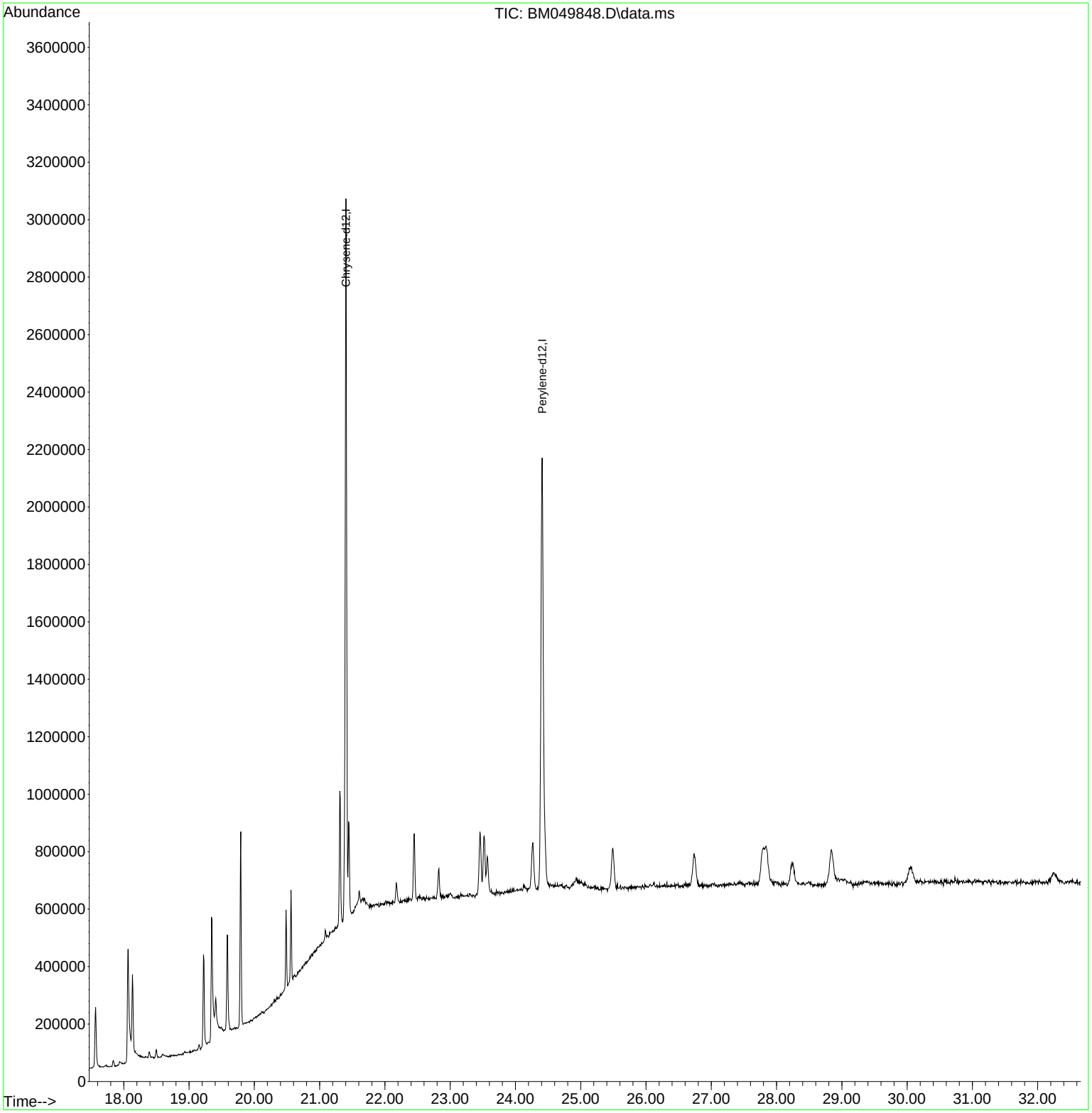


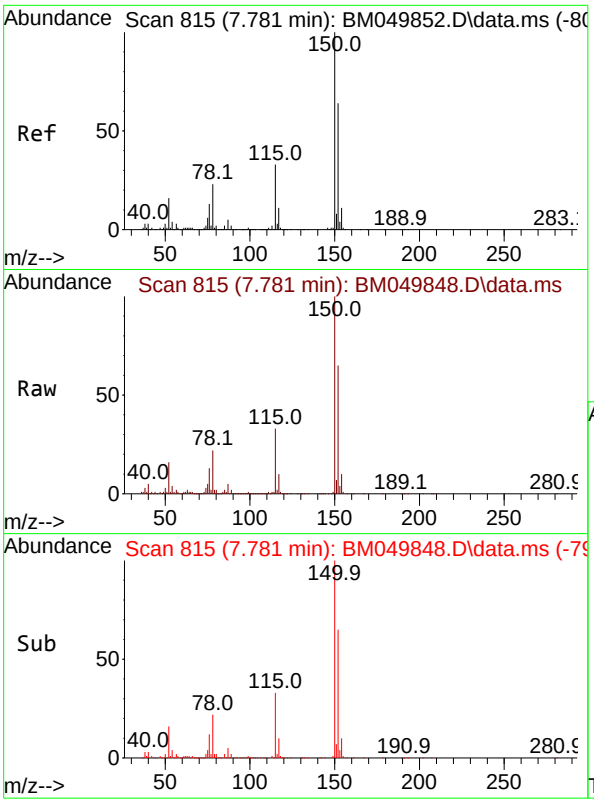
ICAL Form

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Data File : BM049848.D
Acq On : 08 Apr 2025 13:35
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Quant Time: Apr 09 02:59:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



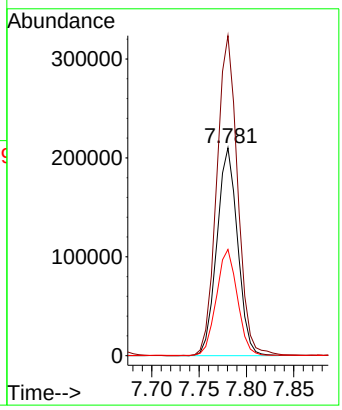


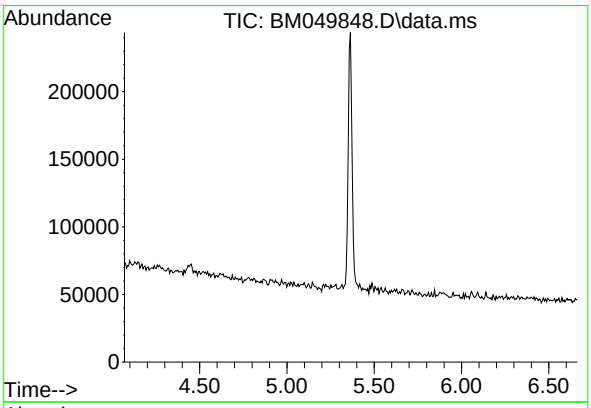
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 320498

Ion	Ratio	Lower	Upper
152	100		
150	154.0	124.3	186.5
115	51.1	41.1	61.7



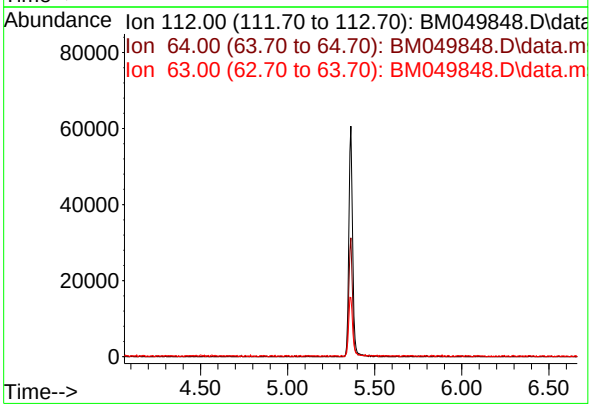


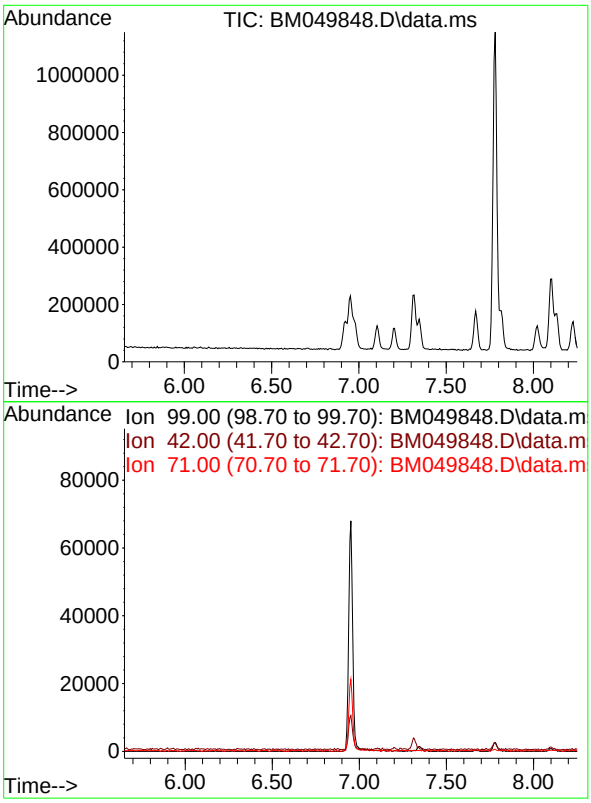
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.36 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	51.3
63	26.9





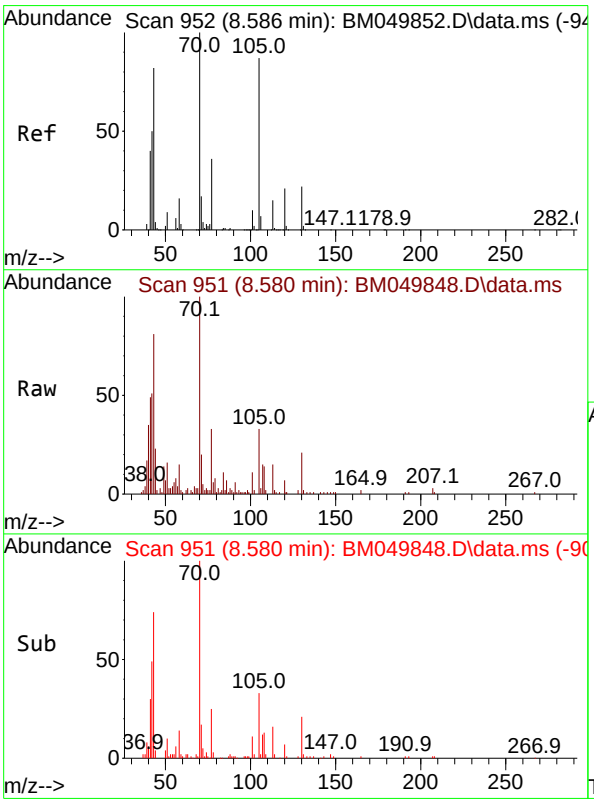
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.95 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

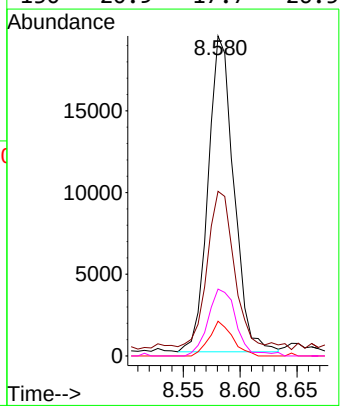
Sig	Exp Ratio
99	100
42	15.1
71	31.1

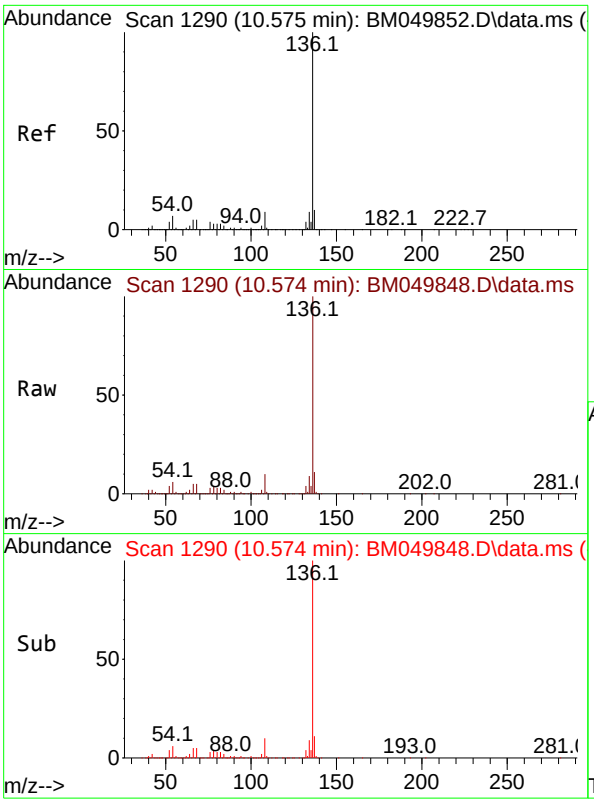


#19
n-Nitroso-di-n-propylamine
Concen: 2.342 ng
RT: 8.580 min Scan# 951
Delta R.T. -0.006 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion: 70 Resp: 30460

Ion	Ratio	Lower	Upper
70	100		
42	51.4	40.2	60.2
101	10.9	7.9	11.9
130	20.9	17.7	26.5



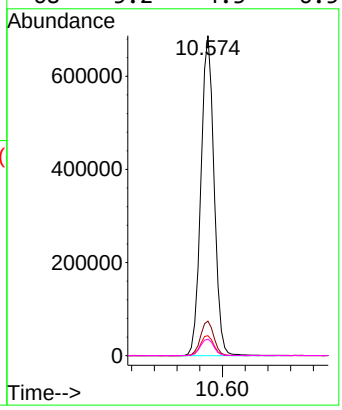


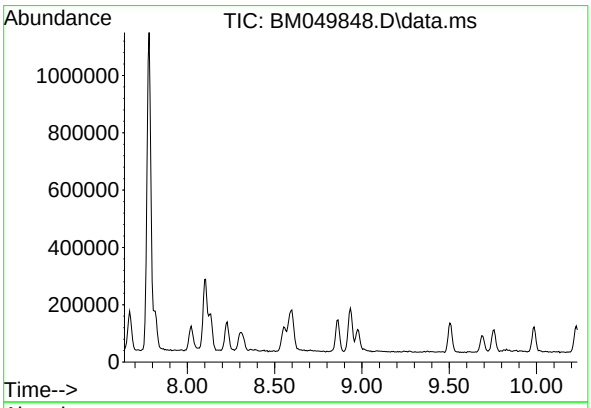
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1104487

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.3	5.3	7.9
68	5.2	4.3	6.5



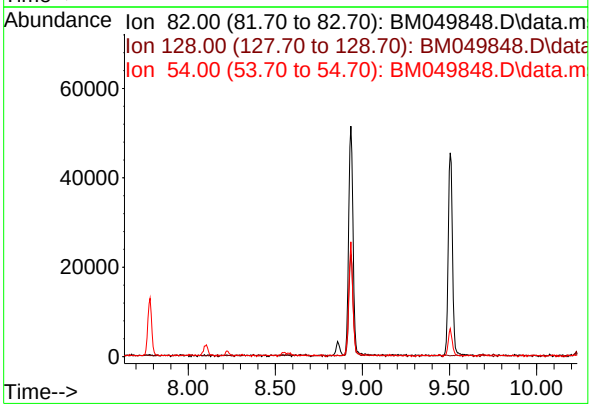


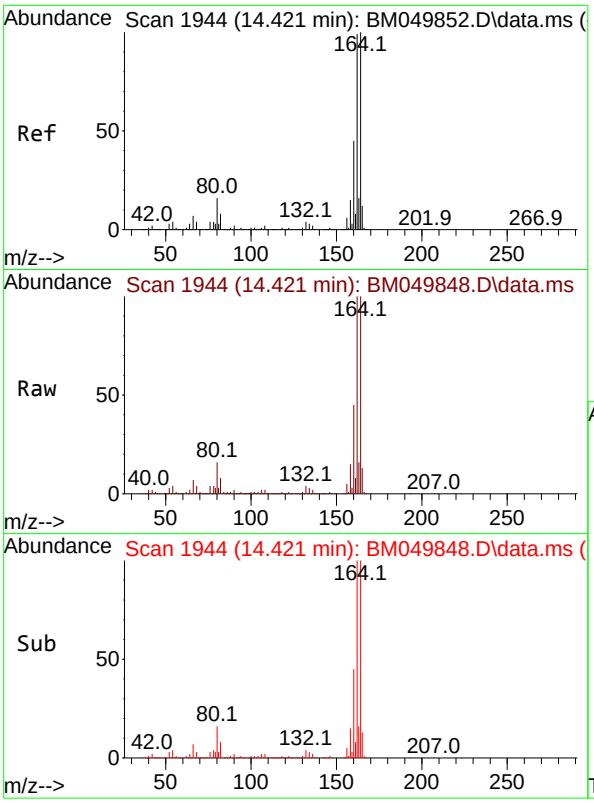
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.93 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	45.2
54	43.8



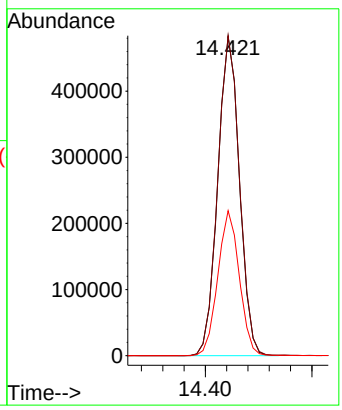


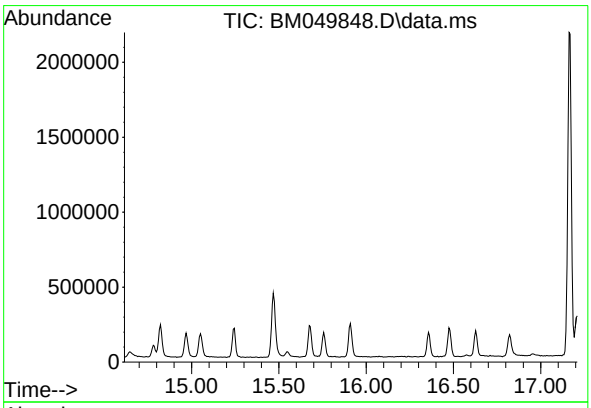
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 681841

Ion	Ratio	Lower	Upper
164	100		
162	100.3	79.4	119.0
160	45.4	36.2	54.2



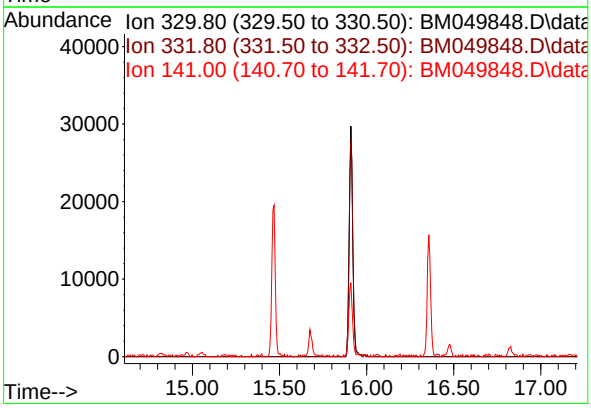


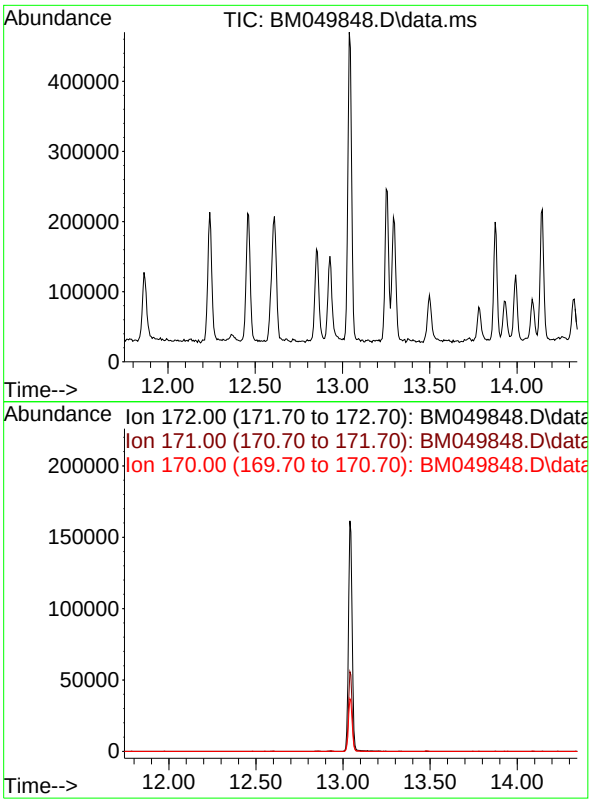
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.91 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.5
141	29.4





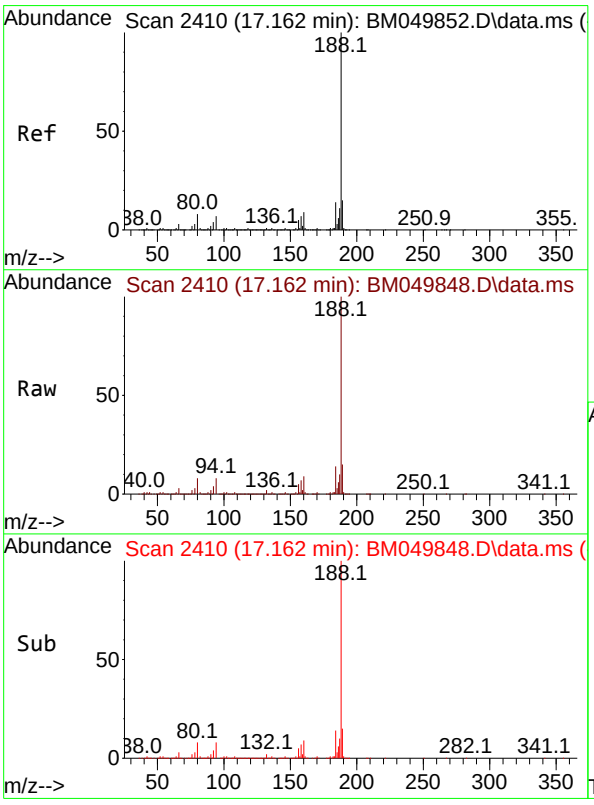
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.05 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

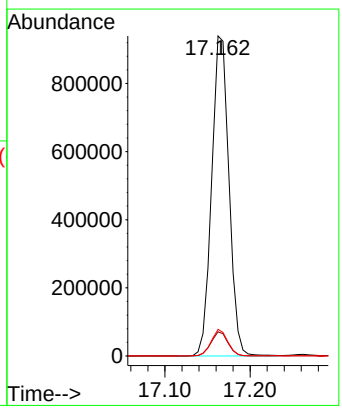
Sig	Exp Ratio
172	100
171	34.3
170	23.3

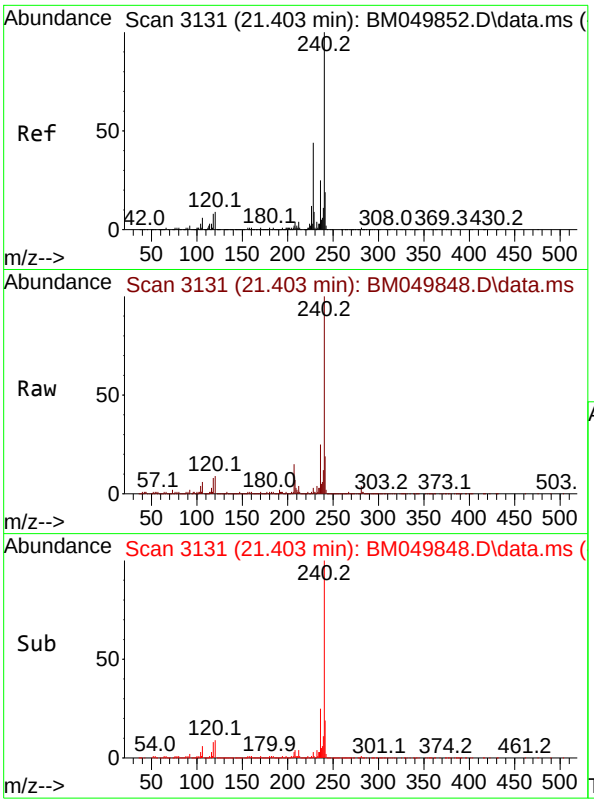


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion:188 Resp: 1325316

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	8.3	6.4	9.6



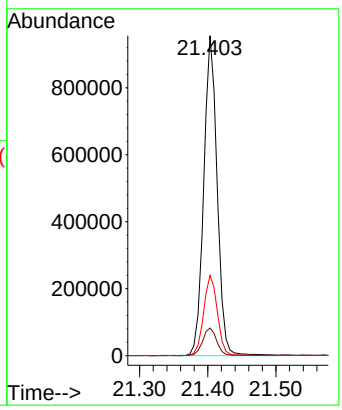


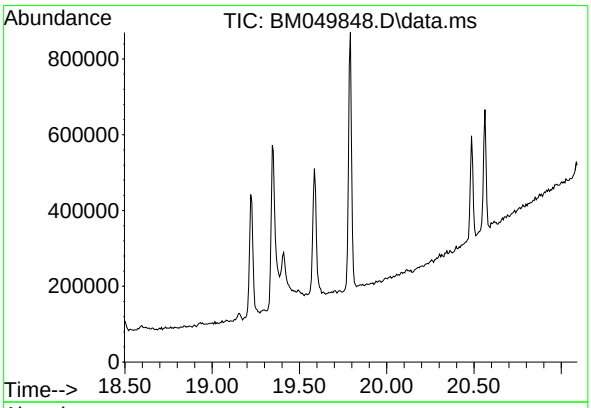
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 1306777

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.9	10.3
236	25.1	20.4	30.6



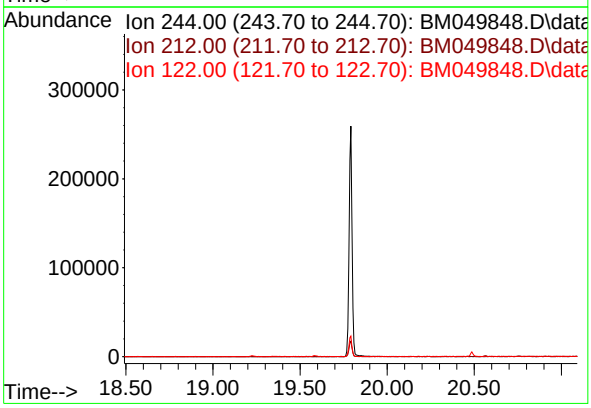


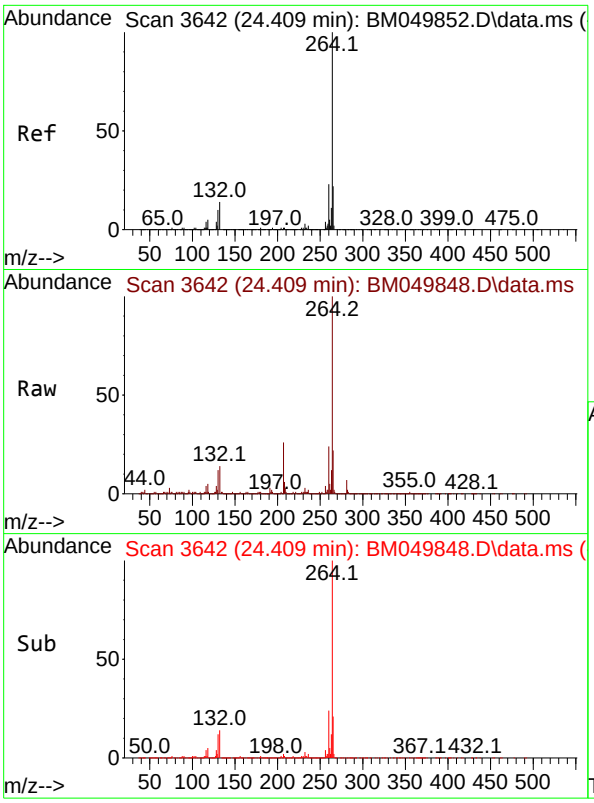
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 19.79 min

Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.9
122	6.7



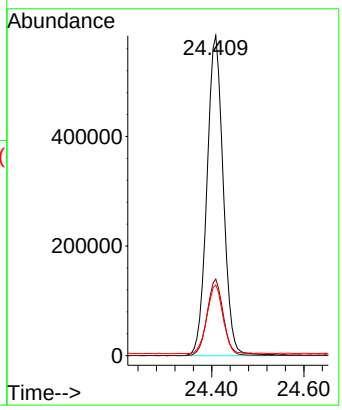


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049848.D
Acq: 08 Apr 2025 13:35

Instrument :
BNA_M
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 1436109

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.6	28.0
265	22.1	17.8	26.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 02:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	315494	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1095995	20.000	ng		0.00
39) Acenaphthene-d10	14.421	164	671126	20.000	ng		0.00
64) Phenanthrene-d10	17.162	188	1305854	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1255417	20.000	ng		0.00
86) Perylene-d12	24.403	264	1363674	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	180654	9.723	ng		0.00
7) Phenol-d6	6.951	99	219444	9.493	ng		0.00
23) Nitrobenzene-d5	8.933	82	183508	9.324	ng		0.00
42) 2,4,6-Tribromophenol	15.909	330	86574	8.869	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	478149	9.661	ng		0.00
79) Terphenyl-d14	19.792	244	620191	9.258	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	39196	5.123	ng		99
3) Pyridine	3.669	79	99537	4.953	ng		93
4) n-Nitrosodimethylamine	3.575	42	37684	4.926	ng	#	91
6) Aniline	7.104	93	102863	5.193	ng		98
8) 2-Chlorophenol	7.345	128	93043	4.887	ng		99
9) Benzaldehyde	6.922	77	68896m	5.813	ng		
10) Phenol	6.975	94	108517	4.811	ng		100
11) bis(2-Chloroethyl)ether	7.204	93	87813	4.964	ng		99
12) 1,3-Dichlorobenzene	7.669	146	111770	4.965	ng		98
13) 1,4-Dichlorobenzene	7.816	146	111836	4.937	ng		99
14) 1,2-Dichlorobenzene	8.133	146	106307	4.983	ng		96
15) Benzyl Alcohol	8.022	79	67196	4.616	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.310	45	100016	5.073	ng		97
17) 2-Methylphenol	8.228	107	67662	4.867	ng		99
18) Hexachloroethane	8.863	117	39805	5.051	ng		96
19) n-Nitroso-di-n-propyla...	8.581	70	61968	4.840	ng		97
20) 3+4-Methylphenols	8.551	107	89903	4.744	ng		99
22) Acetophenone	8.598	105	126780	4.760	ng		96
24) Nitrobenzene	8.975	77	90100	4.754	ng		99
25) Isophorone	9.504	82	156018	4.732	ng		99
26) 2-Nitrophenol	9.686	139	44371	4.417	ng		96
27) 2,4-Dimethylphenol	9.757	122	50734	4.457	ng		98
28) bis(2-Chloroethoxy)met...	9.986	93	105841	4.795	ng		98
29) 2,4-Dichlorophenol	10.227	162	87444	4.621	ng		97
30) 1,2,4-Trichlorobenzene	10.439	180	105742	4.830	ng		99
31) Naphthalene	10.622	128	274967	4.883	ng		99
33) 4-Chloroaniline	10.733	127	95317	4.793	ng		99
34) Hexachlorobutadiene	10.916	225	65197	4.815	ng		98
35) Caprolactam	11.498	113	25608	4.718	ng		91
36) 4-Chloro-3-methylphenol	11.869	107	75972	4.583	ng		99
37) 2-Methylnaphthalene	12.239	142	187208	4.718	ng		99
38) 1-Methylnaphthalene	12.457	142	186332	4.820	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	111415	4.745	ng		99
41) Hexachlorocyclopentadiene	12.592	237	35937	4.368	ng		98
43) 2,4,6-Trichlorophenol	12.851	196	69935	4.681	ng		97
44) 2,4,5-Trichlorophenol	12.927	196	78011	4.805	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 02:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	13.257	154	243448	4.880	ng		99
47) 2-Chloronaphthalene	13.292	162	191299	4.879	ng		98
48) 2-Nitroaniline	13.498	65	38874	4.285	ng		94
49) Acenaphthylene	14.145	152	272990	4.779	ng		99
50) Dimethylphthalate	13.874	163	229200	4.841	ng		99
51) 2,6-Dinitrotoluene	13.992	165	41712	4.205	ng		93
52) Acenaphthene	14.486	154	172362	4.744	ng		100
53) 3-Nitroaniline	14.321	138	39627	4.133	ng	#	99
55) Dibenzofuran	14.821	168	291515	4.800	ng		99
56) 4-Nitrophenol	14.639	139	32685	3.826	ng		95
57) 2,4-Dinitrotoluene	14.780	165	51881	3.920	ng	#	94
58) Fluorene	15.468	166	227189	4.706	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	70065	4.924	ng		98
60) Diethylphthalate	15.239	149	220014	4.846	ng		98
61) 4-Chlorophenyl-phenyle...	15.468	204	117238	4.529	ng		97
62) 4-Nitroaniline	15.480	138	38105	3.843	ng		95
63) Azobenzene	15.757	77	180758	4.650	ng		98
66) n-Nitrosodiphenylamine	15.674	169	183131	4.686	ng		100
67) 4-Bromophenyl-phenylether	16.356	248	69182	4.564	ng		98
68) Hexachlorobenzene	16.474	284	81189	4.669	ng		95
69) Atrazine	16.627	200	60729	5.993	ng		98
70) Pentachlorophenol	16.821	266	59080	4.615	ng		98
71) Phenanthrene	17.203	178	336674	4.703	ng		100
72) Anthracene	17.298	178	325638	4.616	ng		99
73) Carbazole	17.568	167	301001	4.530	ng		99
74) Di-n-butylphthalate	18.133	149	365358	4.773	ng		100
75) Fluoranthene	19.221	202	387674	4.404	ng		100
77) Benzidine	19.409	184	100183	6.015	ng		97
78) Pyrene	19.586	202	411233	4.753	ng		99
80) Butylbenzylphthalate	20.486	149	157696	4.851	ng		98
81) Benzo(a)anthracene	21.386	228	388113	4.652	ng		100
82) 3,3'-Dichlorobenzidine	21.309	252	134300	4.262	ng	#	98
83) Chrysene	21.444	228	370038	4.665	ng		100
84) Bis(2-ethylhexyl)phtha...	21.315	149	237828	5.021	ng		100
85) Di-n-octyl phthalate	22.444	149	405083	4.889	ng		99
87) Indeno(1,2,3-cd)pyrene	27.785	276	468774	4.612	ng	#	93
88) Benzo(b)fluoranthene	23.456	252	389022	4.467	ng		98
89) Benzo(k)fluoranthene	23.521	252	385821	4.571	ng		98
90) Benzo(a)pyrene	24.262	252	344800	4.505	ng		98
91) Dibenzo(a,h)anthracene	27.844	278	384717	4.595	ng		99
92) Benzo(g,h,i)perylene	28.838	276	401539	4.693	ng		99

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

ICAL Form

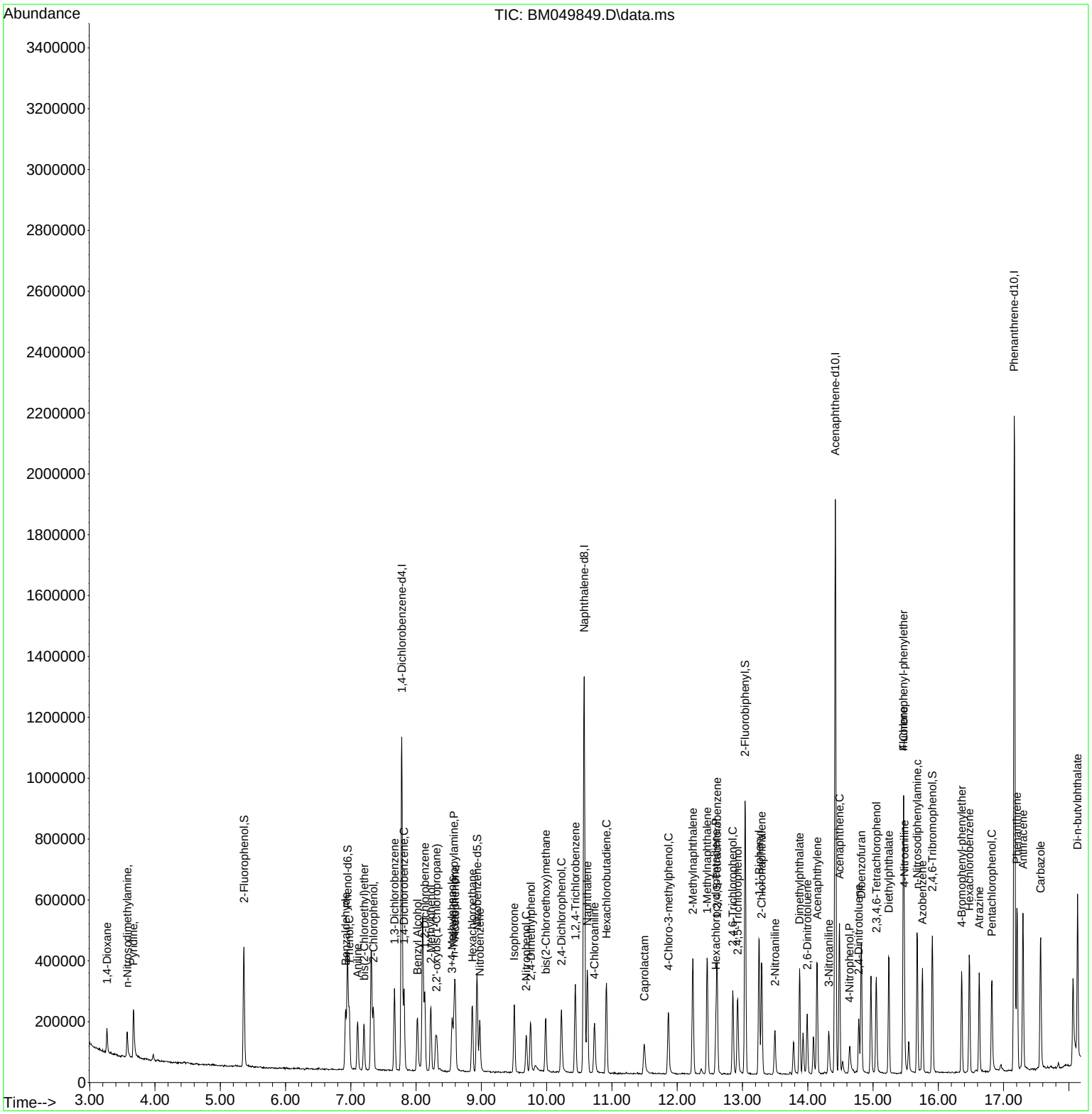
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 09 02:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



ICAL Form

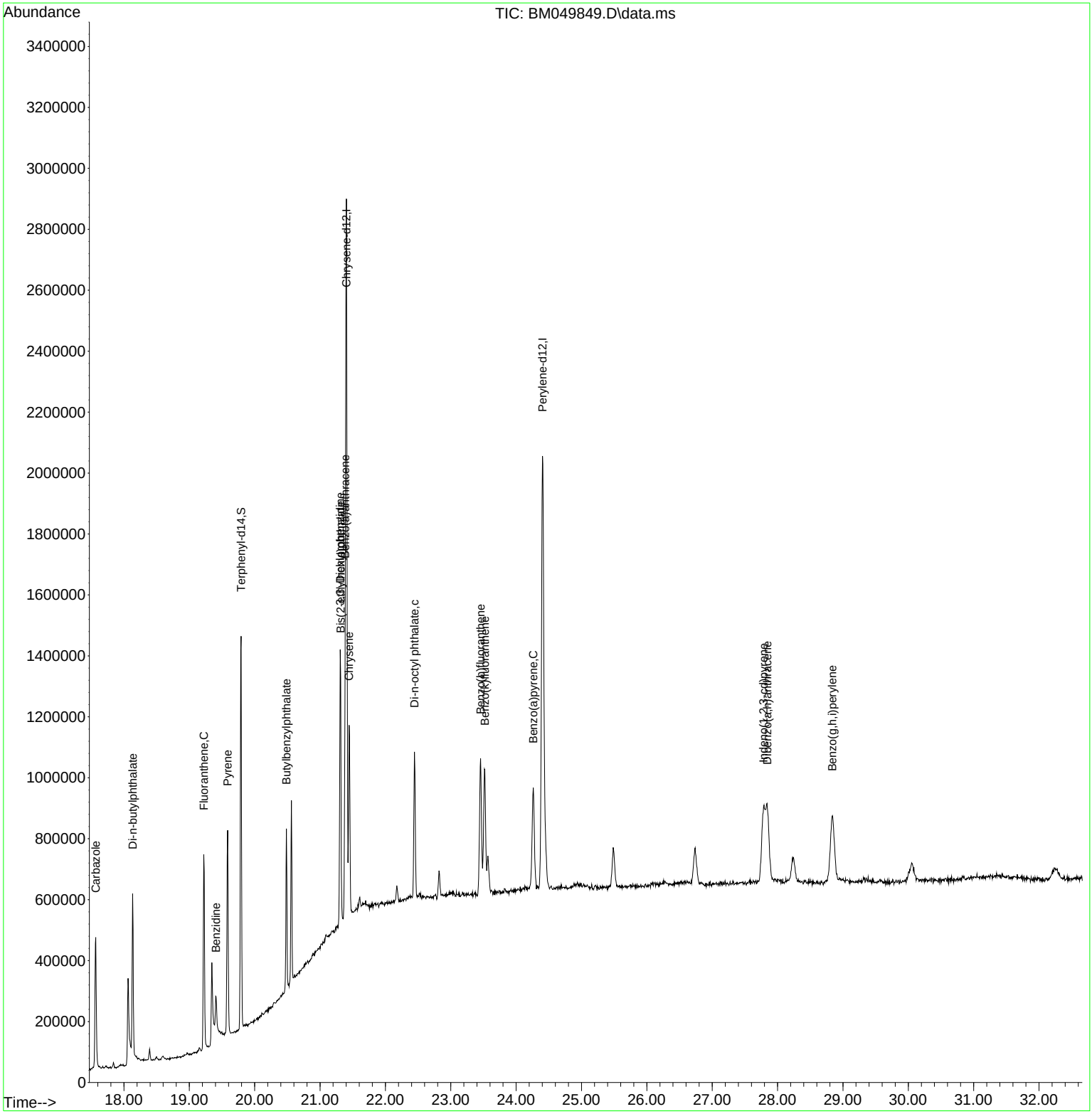
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049849.D
Acq On : 08 Apr 2025 14:14
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

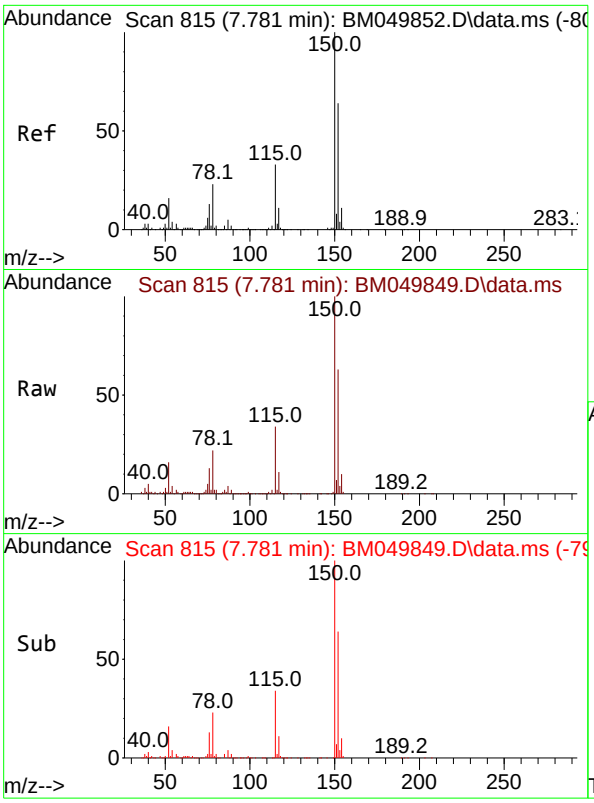
Quant Time: Apr 09 02:59:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

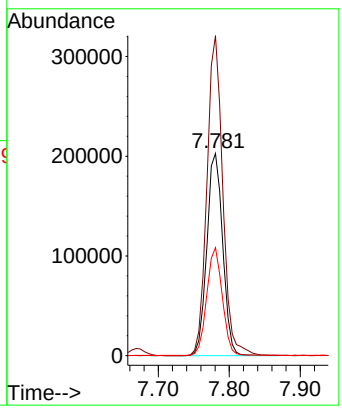




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:152 Resp: 31549

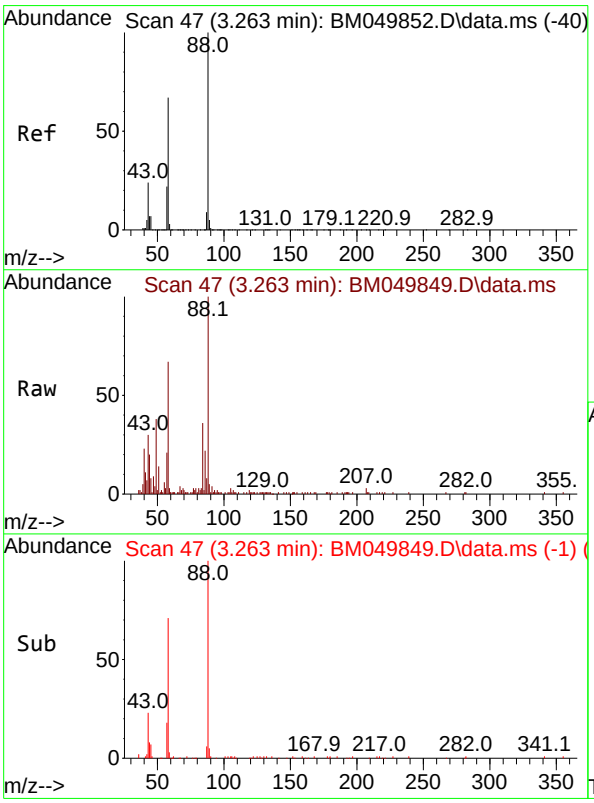
Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.3	186.5
115	53.4	41.1	61.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

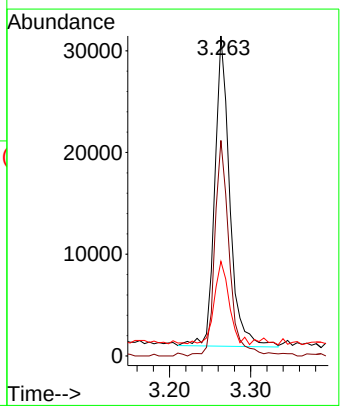
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

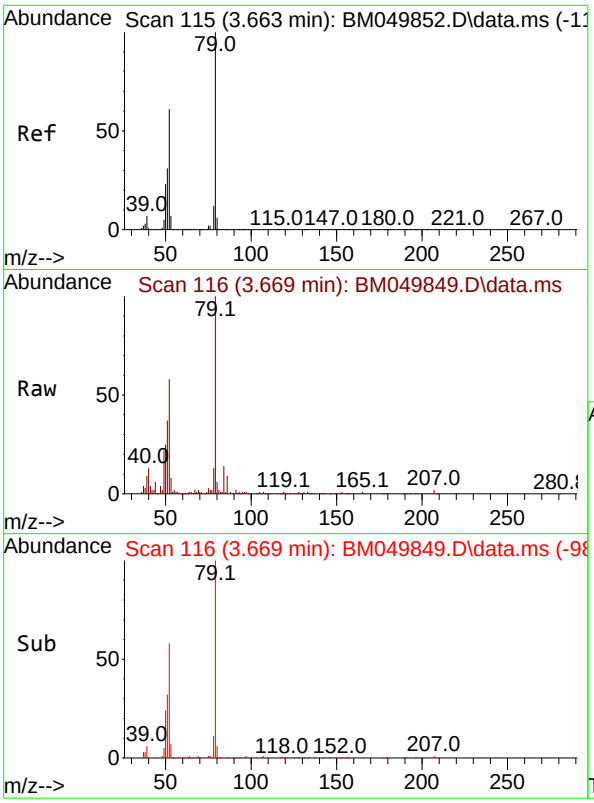


#2
1,4-Dioxane
Concen: 5.123 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 88 Resp: 39196

Ion	Ratio	Lower	Upper
88	100		
58	67.0	54.1	81.1
43	26.8	20.2	30.4

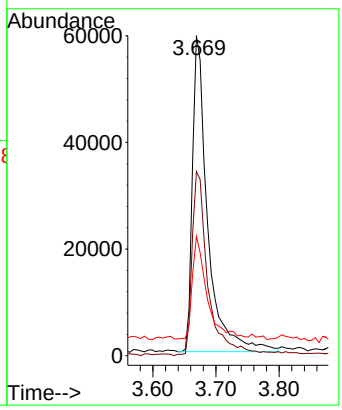




#3
Pyridine
Concen: 4.953 ng
RT: 3.669 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 79 Resp: 9953

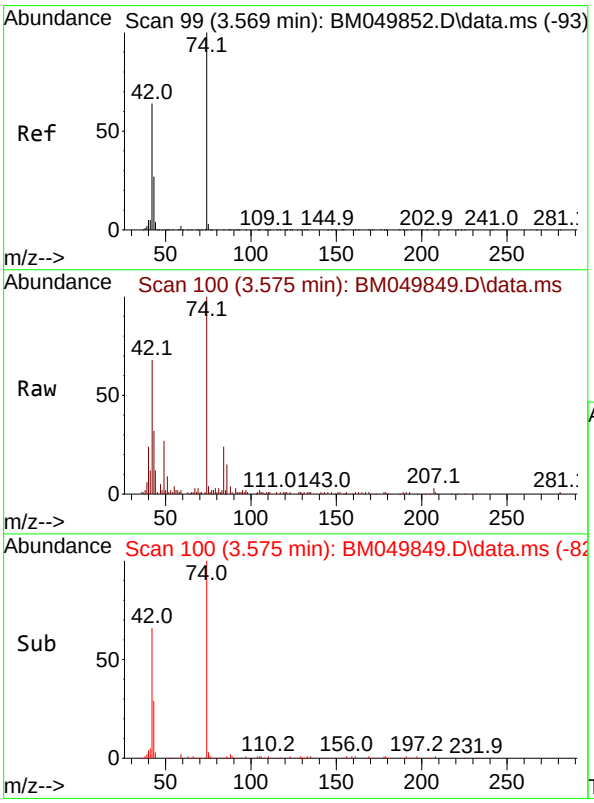
Ion	Ratio	Lower	Upper
79	100		
52	57.5	48.9	73.3
51	37.3	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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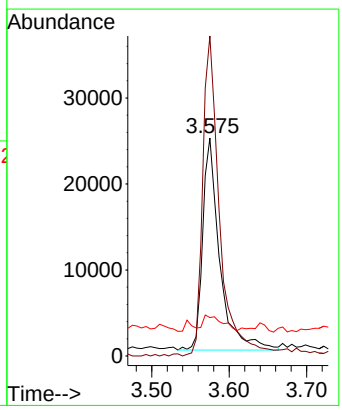
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

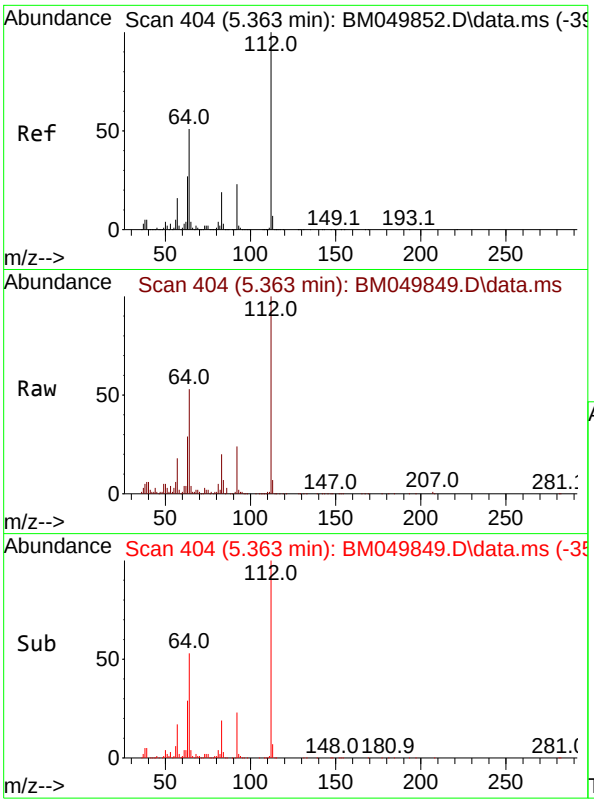


#4
n-Nitrosodimethylamine
Concen: 4.926 ng
RT: 3.575 min Scan# 100
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 42 Resp: 37684

Ion	Ratio	Lower	Upper
42	100		
74	146.9	125.4	188.2
44	17.6	5.9	8.9#

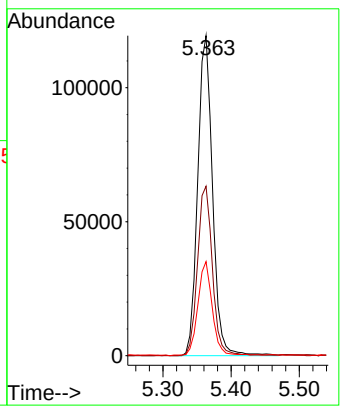




#5
2-Fluorophenol
Concen: 9.723 ng
RT: 5.363 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:112 Resp: 18065

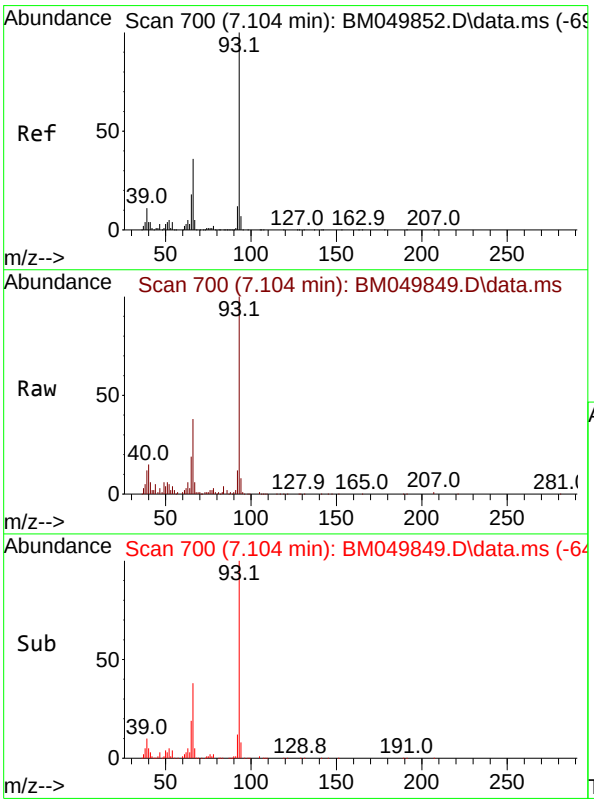
Ion	Ratio	Lower	Upper
112	100		
64	52.9	41.0	61.6
63	29.4	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

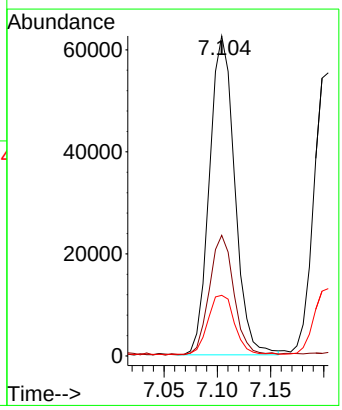
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

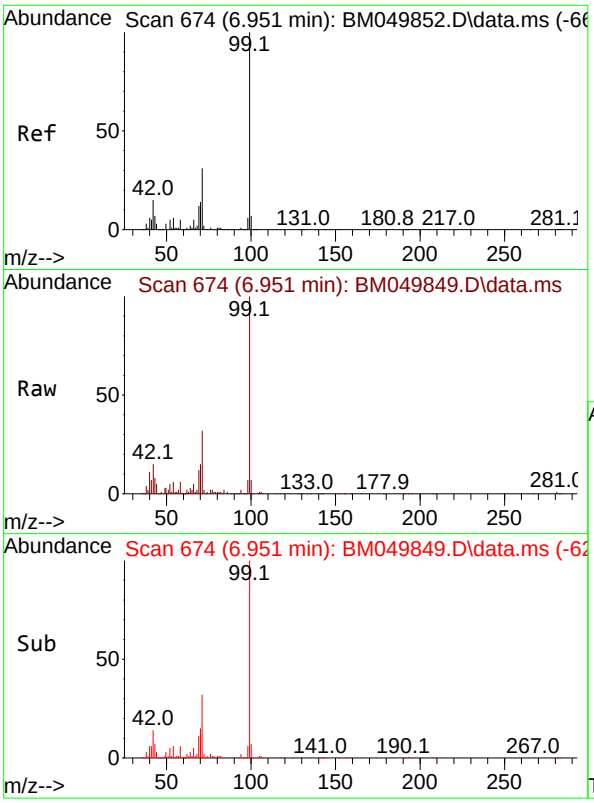


#6
Aniline
Concen: 5.193 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 93 Resp: 102863

Ion	Ratio	Lower	Upper
93	100		
66	37.7	29.1	43.7
65	19.0	14.9	22.3

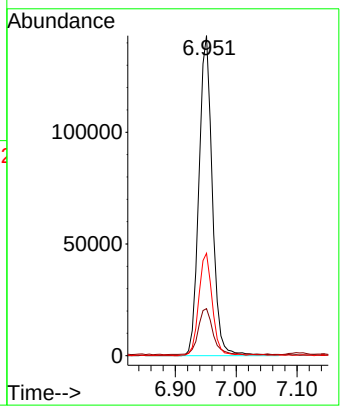




#7
Phenol-d6
Concen: 9.493 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 99 Resp: 21944

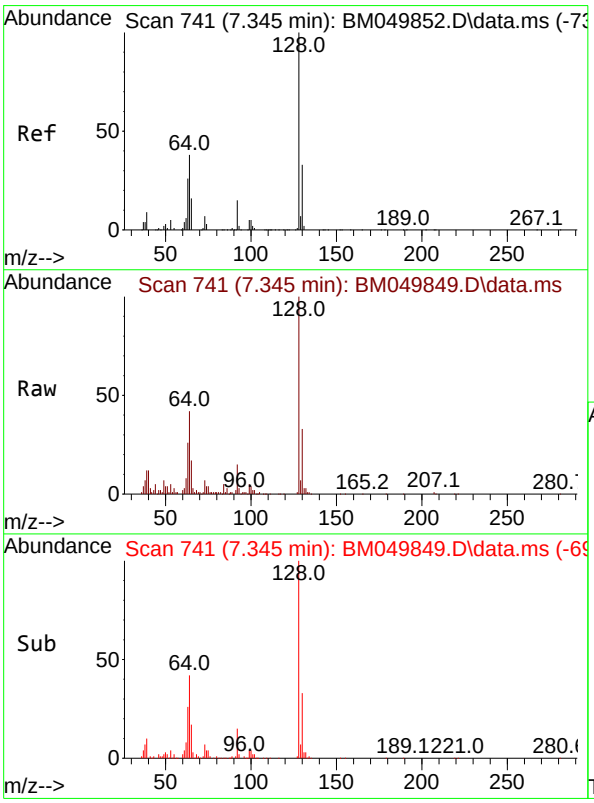
Ion	Ratio	Lower	Upper
99	100		
42	14.7	12.1	18.1
71	32.0	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

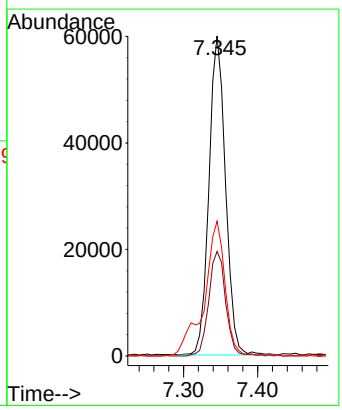
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

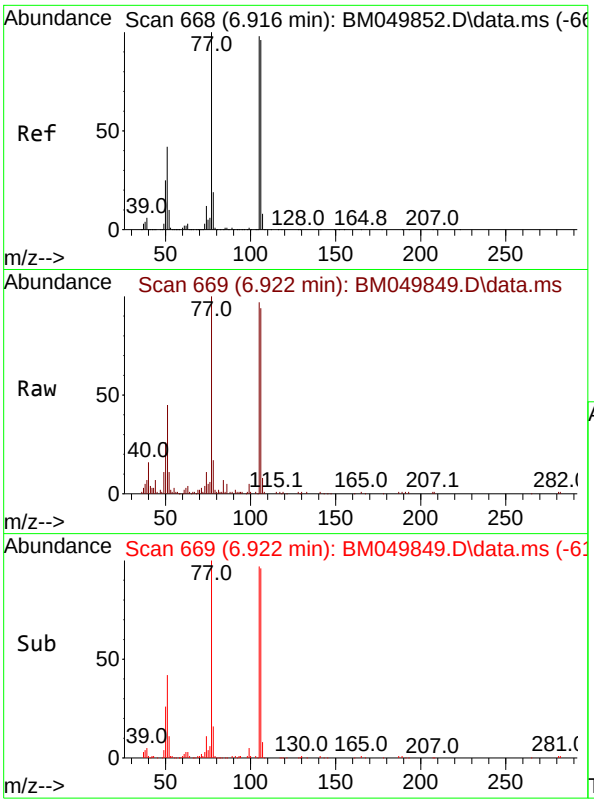


#8
2-Chlorophenol
Concen: 4.887 ng
RT: 7.345 min Scan# 741
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:128 Resp: 93043

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.6	52.6
64	42.1	21.1	61.1

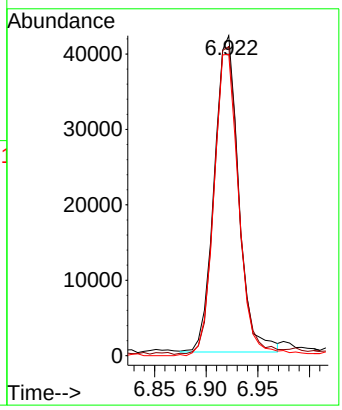




#9
Benzaldehyde
Concen: 5.813 ng m
RT: 6.922 min Scan# 6(
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 77 Resp: 6889(

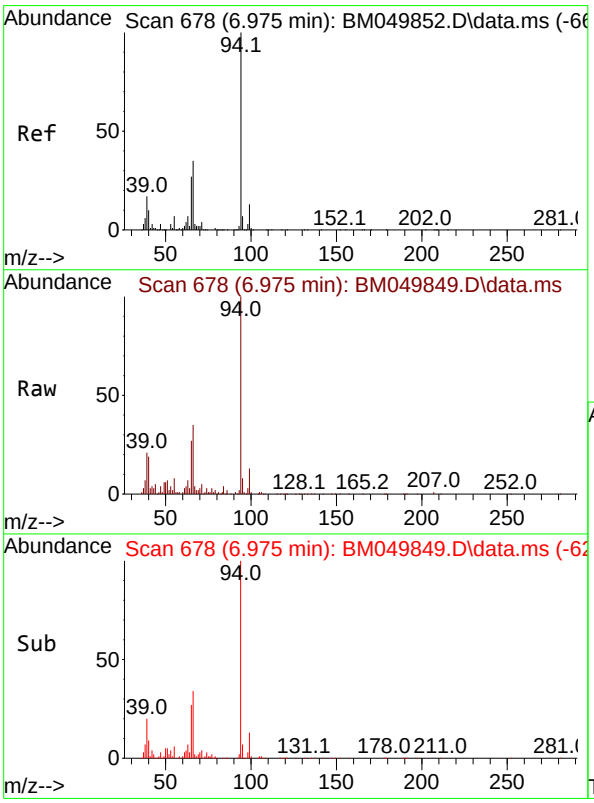
Ion	Ratio	Lower	Upper
77	100		
105	96.6	78.3	118.3
106	94.2	76.0	116.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

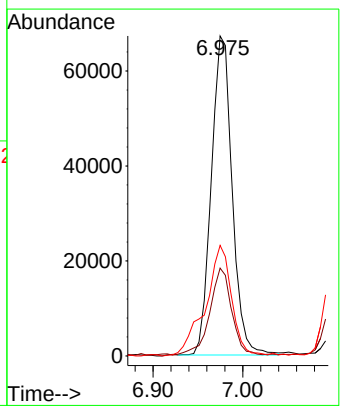
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

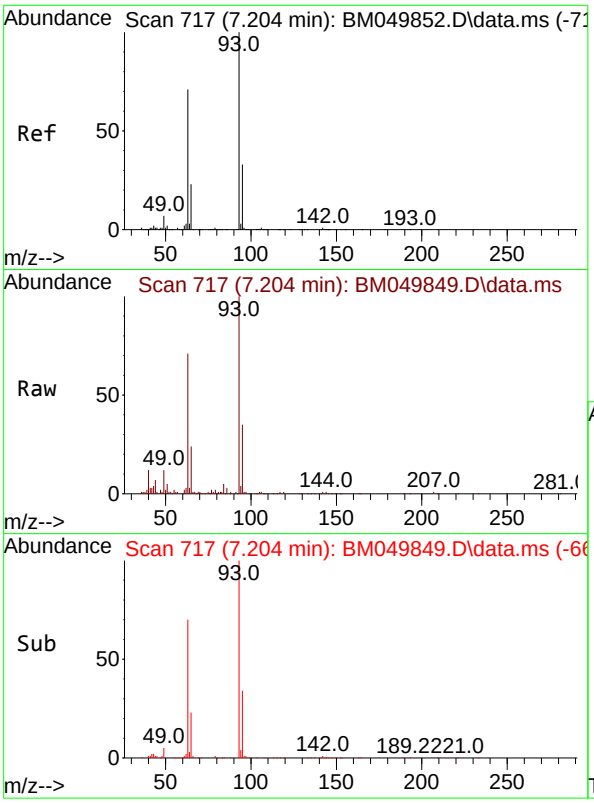


#10
Phenol
Concen: 4.811 ng
RT: 6.975 min Scan# 678
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 94 Resp: 108517

Ion	Ratio	Lower	Upper
94	100		
65	27.5	7.3	47.3
66	34.6	14.8	54.8

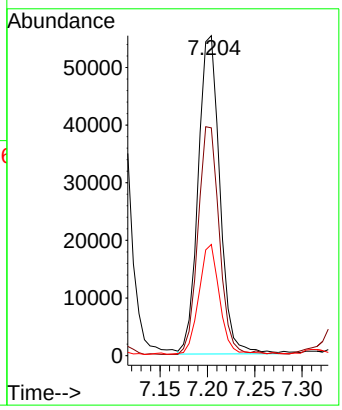




#11
bis(2-Chloroethyl)ether
Concen: 4.964 ng
RT: 7.204 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 93 Resp: 8781

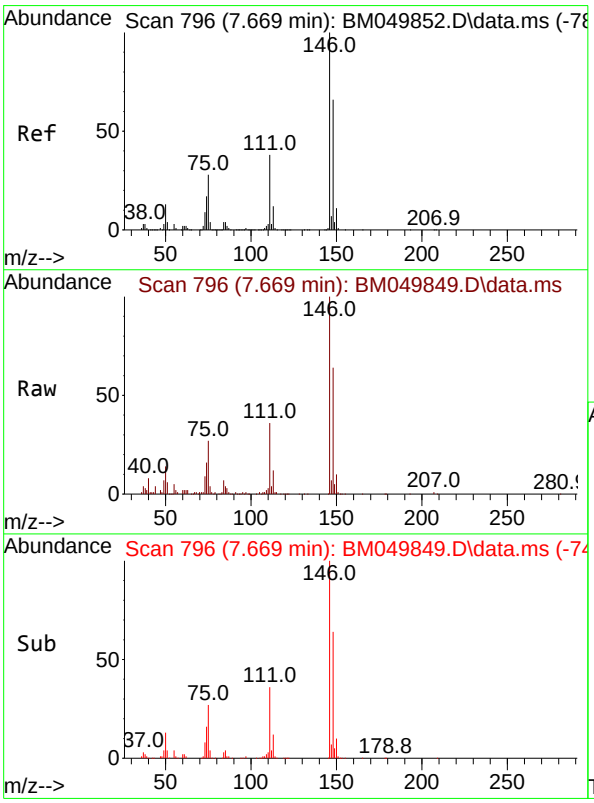
Ion	Ratio	Lower	Upper
93	100		
63	71.2	50.9	90.9
95	34.8	12.6	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

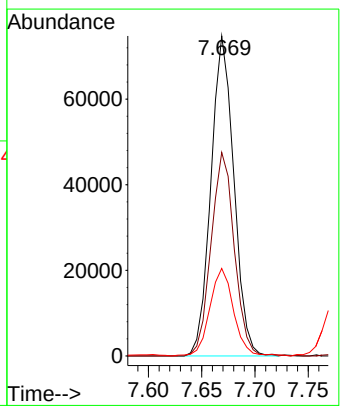
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

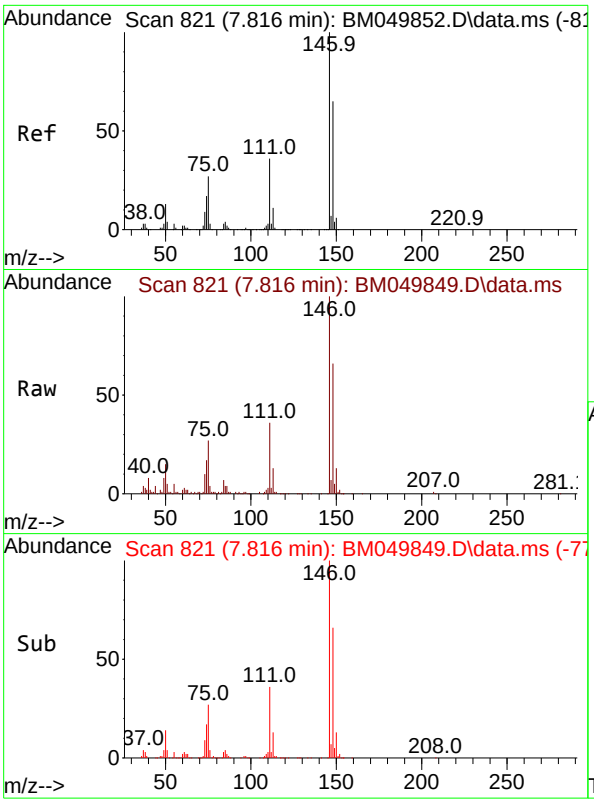


#12
1,3-Dichlorobenzene
Concen: 4.965 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:146 Resp: 111770

Ion	Ratio	Lower	Upper
146	100		
148	63.6	52.5	78.7
75	27.4	22.5	33.7





#13
1,4-Dichlorobenzene
Concen: 4.937 ng
RT: 7.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

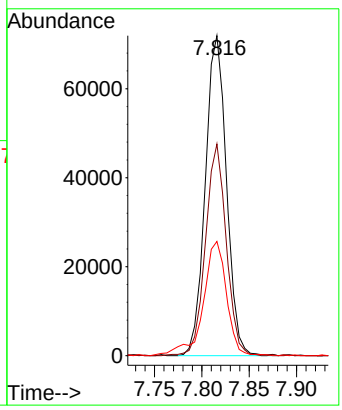
Tgt Ion:146 Resp: 11183

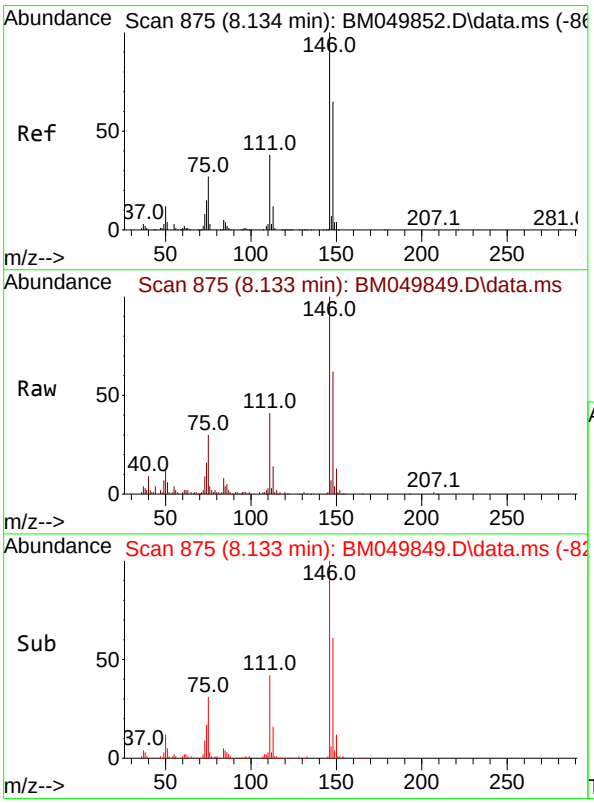
Ion	Ratio	Lower	Upper
146	100		
148	66.1	52.4	78.6
111	35.7	28.5	42.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

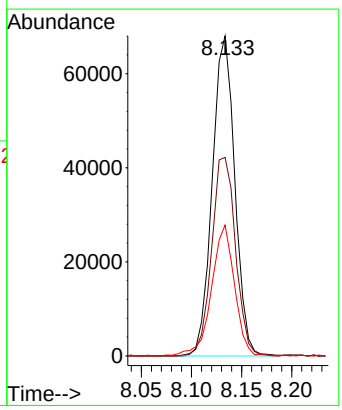


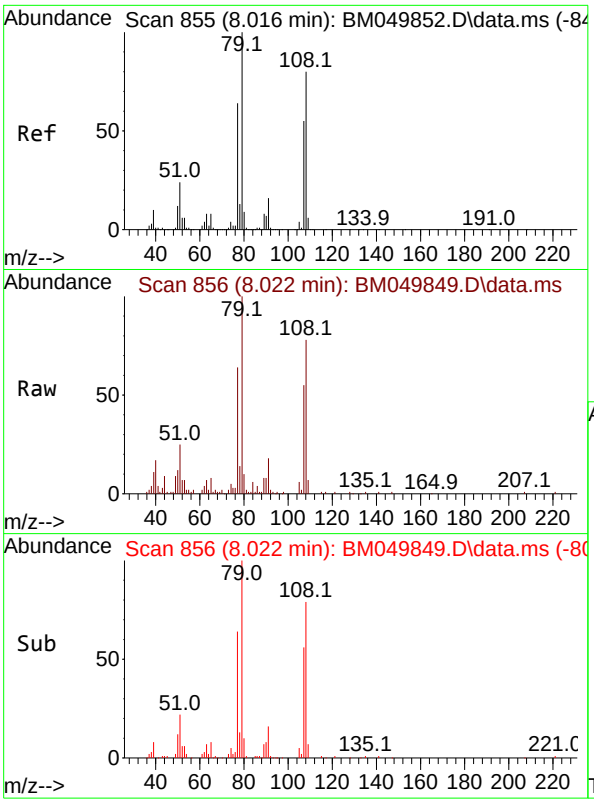


#14
1,2-Dichlorobenzene
Concen: 4.983 ng
RT: 8.133 min Scan# 875
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:146 Resp: 106307

Ion	Ratio	Lower	Upper
146	100		
148	62.0	51.8	77.8
111	40.9	30.2	45.4





#15
Benzyl Alcohol
Concen: 4.616 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

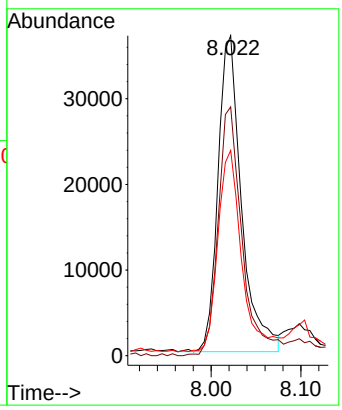
Tgt Ion: 79 Resp: 6719

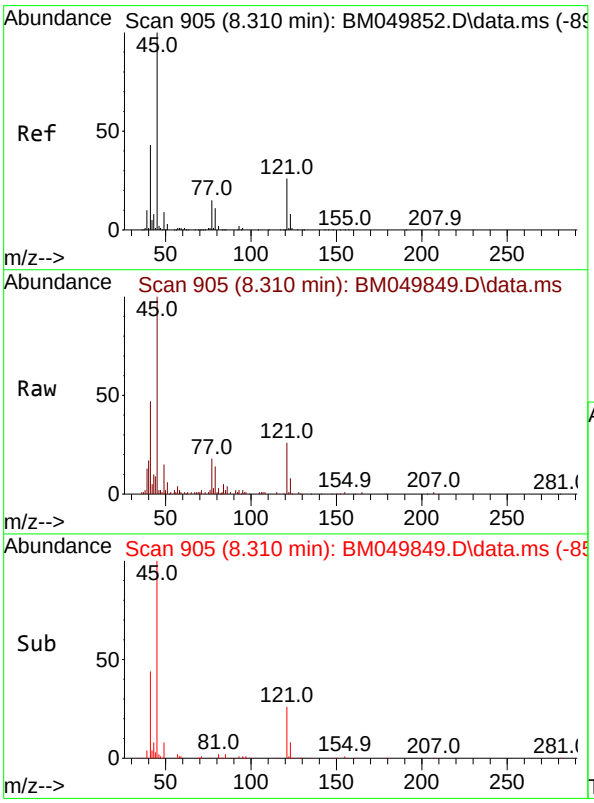
Ion	Ratio	Lower	Upper
79	100		
108	77.8	63.6	95.4
77	64.1	51.3	76.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

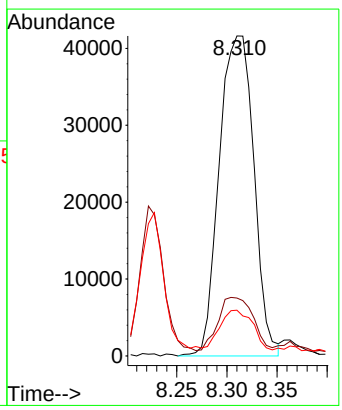


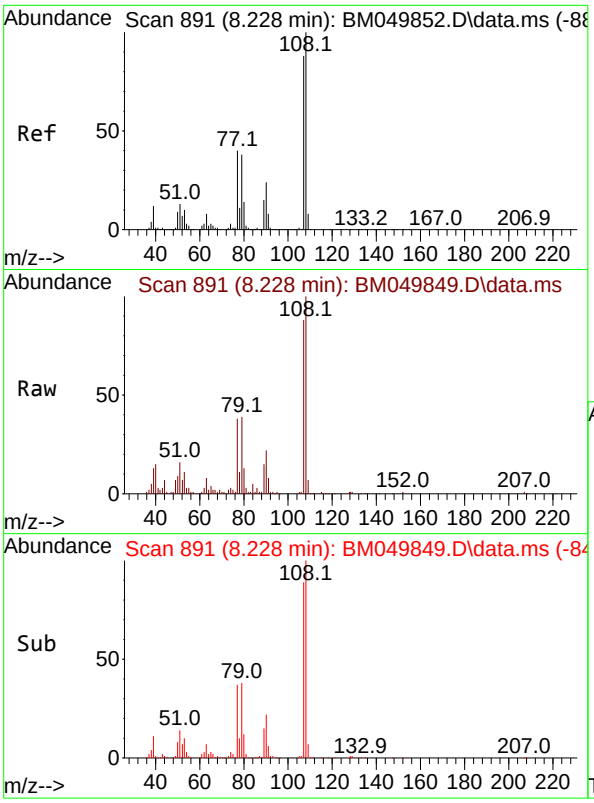


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.073 ng
RT: 8.310 min Scan# 905
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 45 Resp: 100016

Ion	Ratio	Lower	Upper
45	100		
77	18.1	0.0	36.9
79	14.3	0.0	32.9

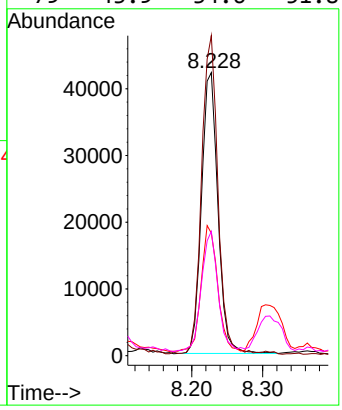




#17
2-Methylphenol
Concen: 4.867 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:107 Resp: 6766

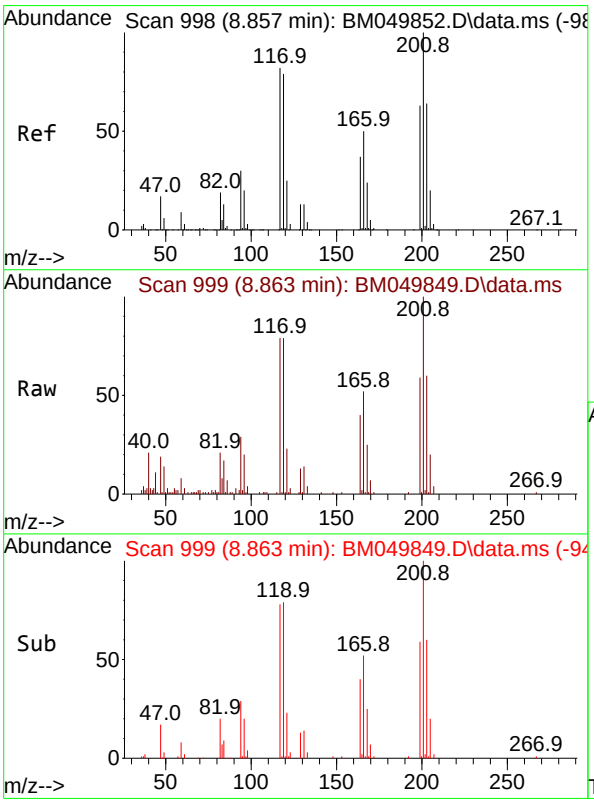
Ion	Ratio	Lower	Upper
107	100		
108	113.0	91.0	136.6
77	43.3	36.5	54.7
79	43.9	34.6	51.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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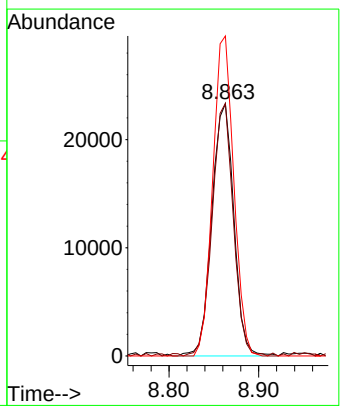
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

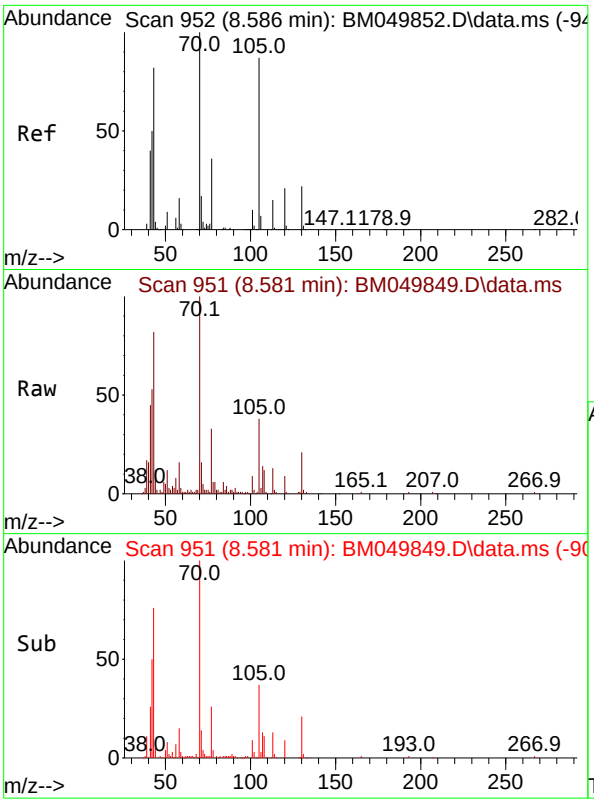


#18
Hexachloroethane
Concen: 5.051 ng
RT: 8.863 min Scan# 999
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:117 Resp: 39805

Ion	Ratio	Lower	Upper
117	100		
119	100.2	77.5	116.3
201	126.9	97.7	146.5

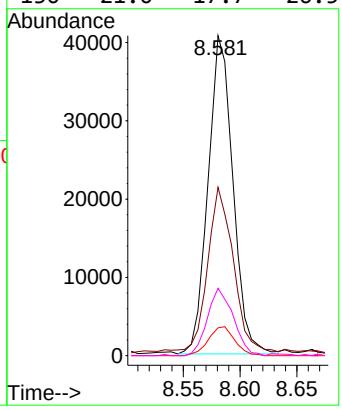




#19
n-Nitroso-di-n-propylamine
Concen: 4.840 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 70 Resp: 6196

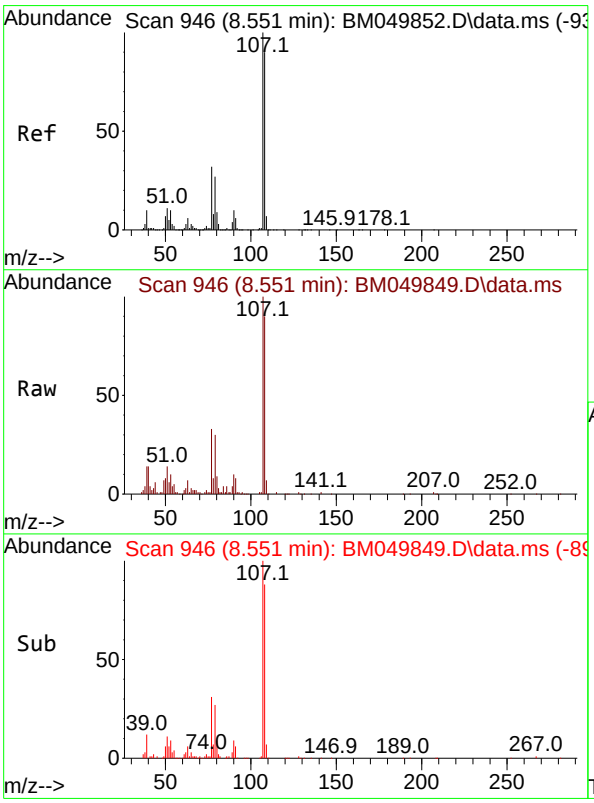
Ion	Ratio	Lower	Upper
70	100		
42	52.6	40.2	60.2
101	8.7	7.9	11.9
130	21.0	17.7	26.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

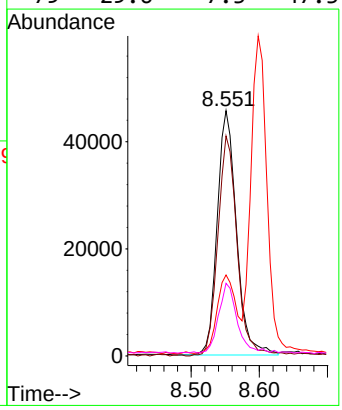
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

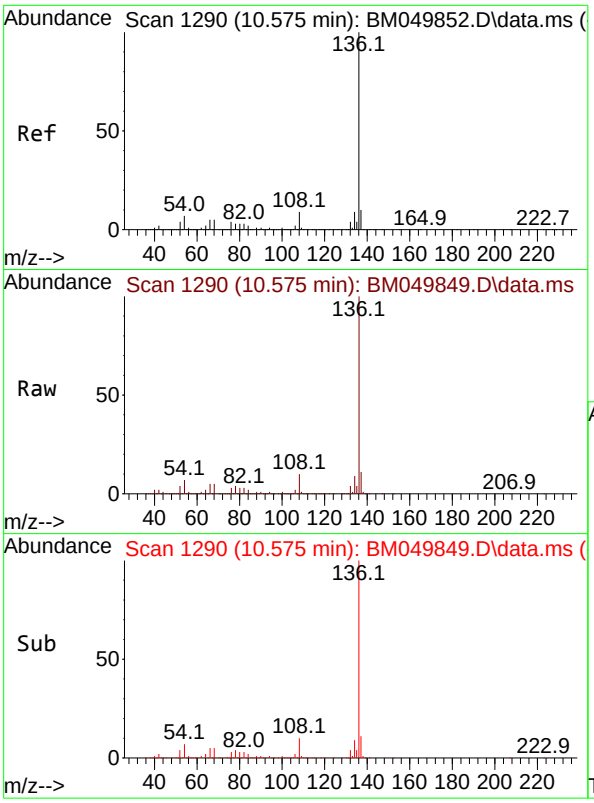


#20
3+4-Methylphenols
Concen: 4.744 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:107 Resp: 89903

Ion	Ratio	Lower	Upper
107	100		
108	89.6	69.6	109.6
77	33.0	11.7	51.7
79	29.6	7.3	47.3

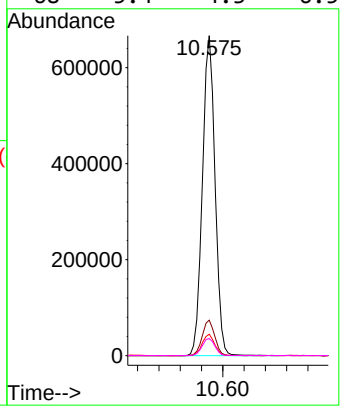




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:136 Resp: 109599

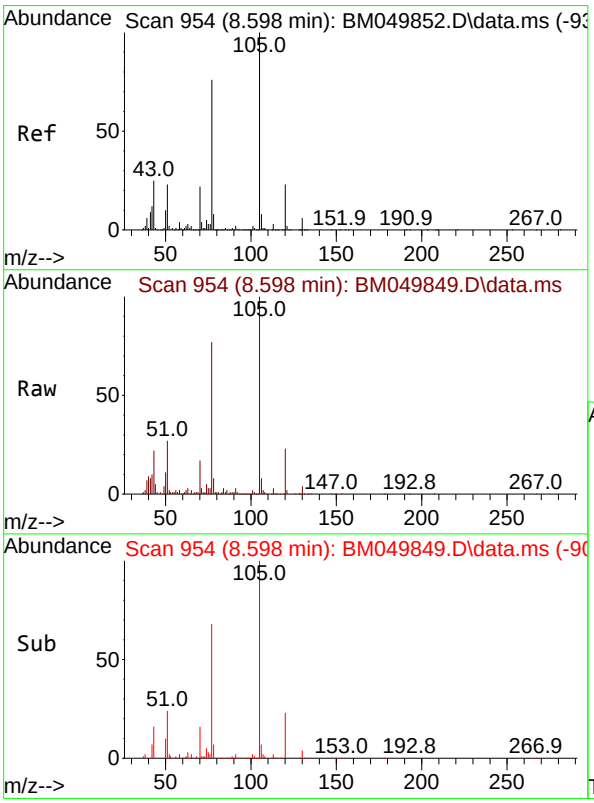
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	6.7	5.3	7.9
68	5.4	4.3	6.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

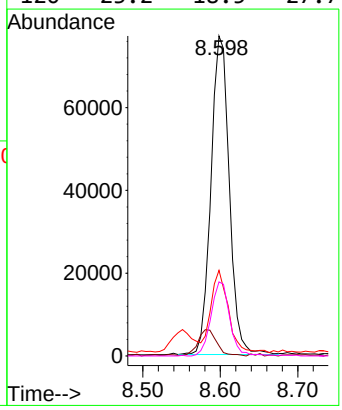
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

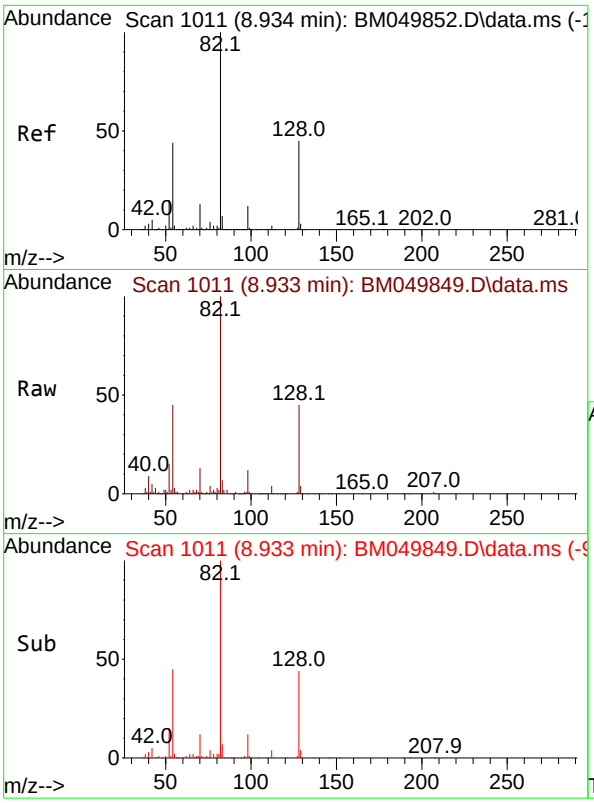


#22
Acetophenone
Concen: 4.760 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:105 Resp: 126780

Ion	Ratio	Lower	Upper
105	100		
71	3.2	3.0	4.4
51	26.7	18.6	27.8
120	23.2	18.5	27.7

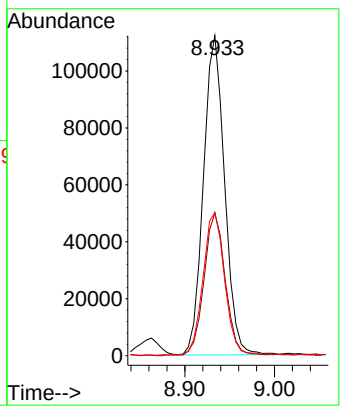




#23
Nitrobenzene-d5
Concen: 9.324 ng
RT: 8.933 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 82 Resp: 18350

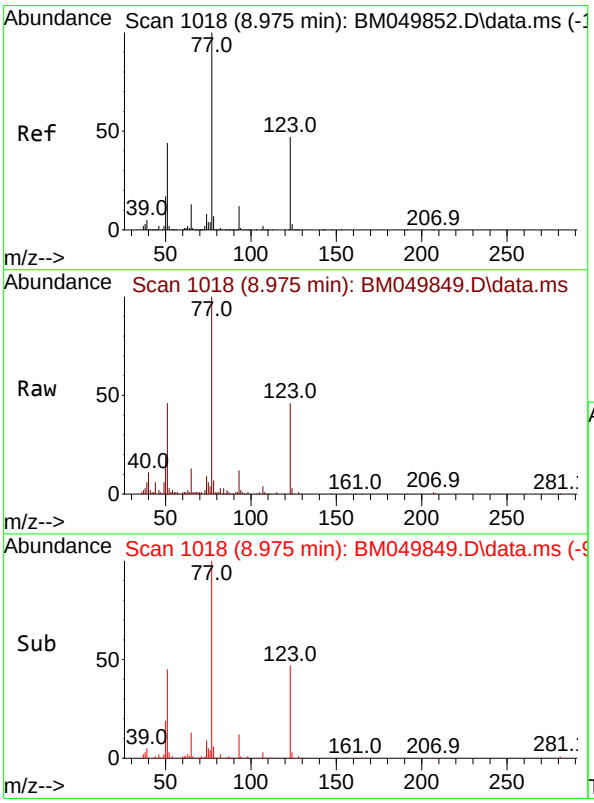
Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.2	54.2
54	44.8	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

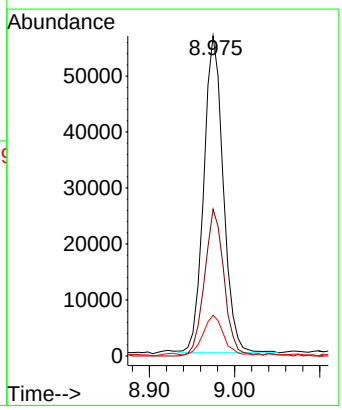
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

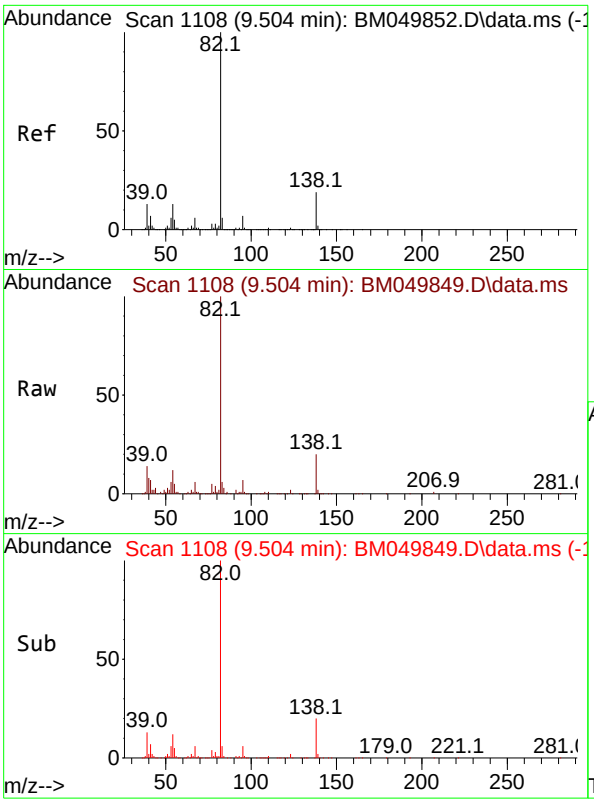


#24
Nitrobenzene
Concen: 4.754 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 77 Resp: 90100

Ion	Ratio	Lower	Upper
77	100		
123	45.8	37.4	56.2
65	12.7	10.1	15.1

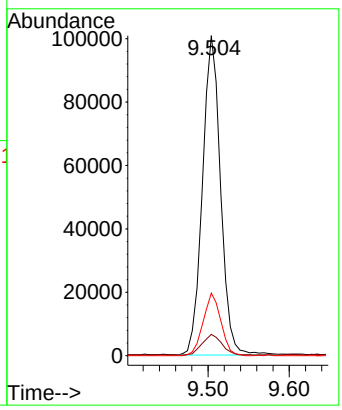




#25
Isophorone
Concen: 4.732 ng
RT: 9.504 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 82 Resp: 15601

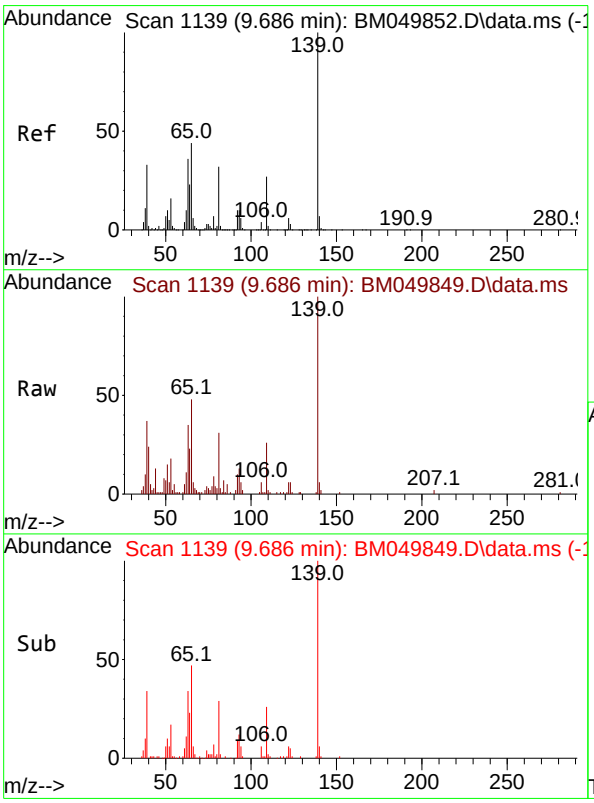
Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	19.5	15.0	22.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

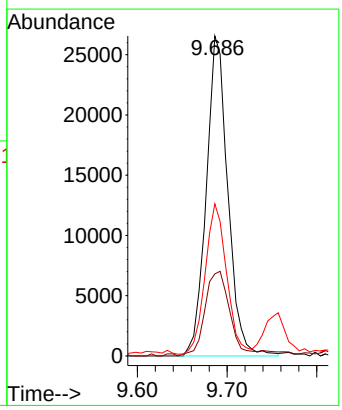
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

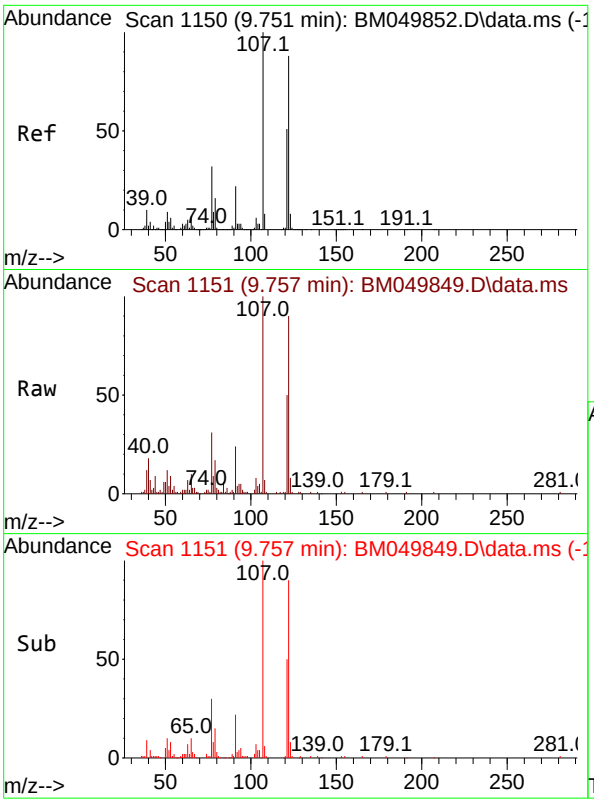


#26
2-Nitrophenol
Concen: 4.417 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:139 Resp: 44371

Ion	Ratio	Lower	Upper
139	100		
109	25.7	21.7	32.5
65	47.6	35.2	52.8





#27
2,4-Dimethylphenol
Concen: 4.457 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

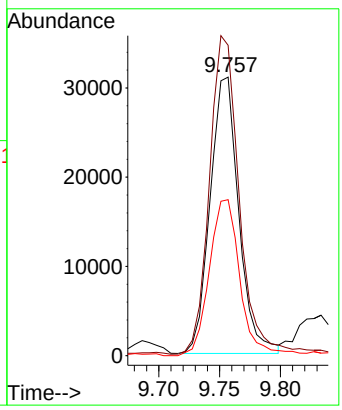
Tgt Ion:122 Resp: 5073

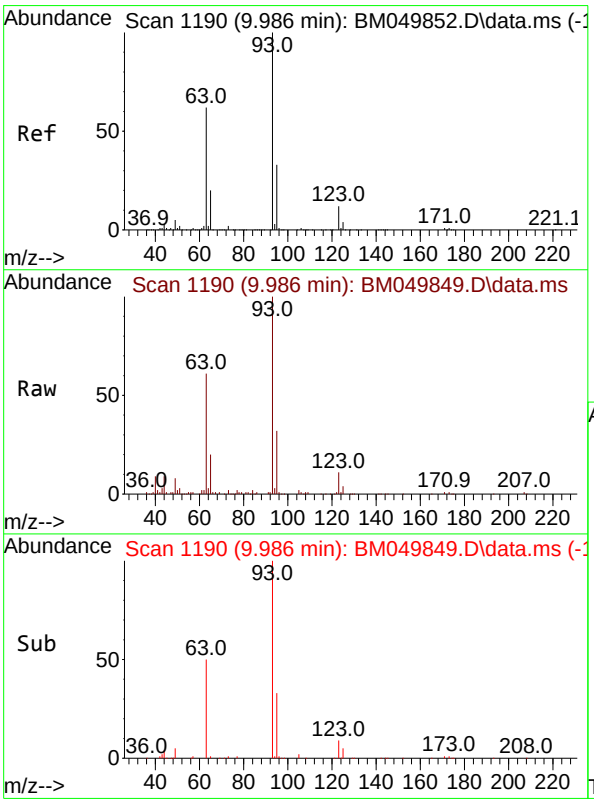
Ion	Ratio	Lower	Upper
122	100		
107	111.4	90.3	135.5
121	56.0	46.1	69.1

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

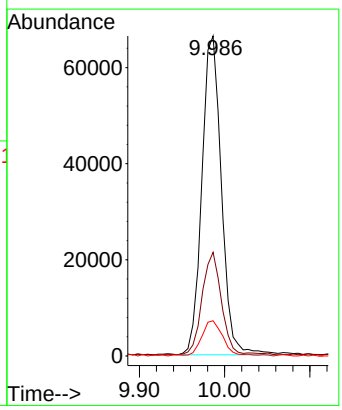


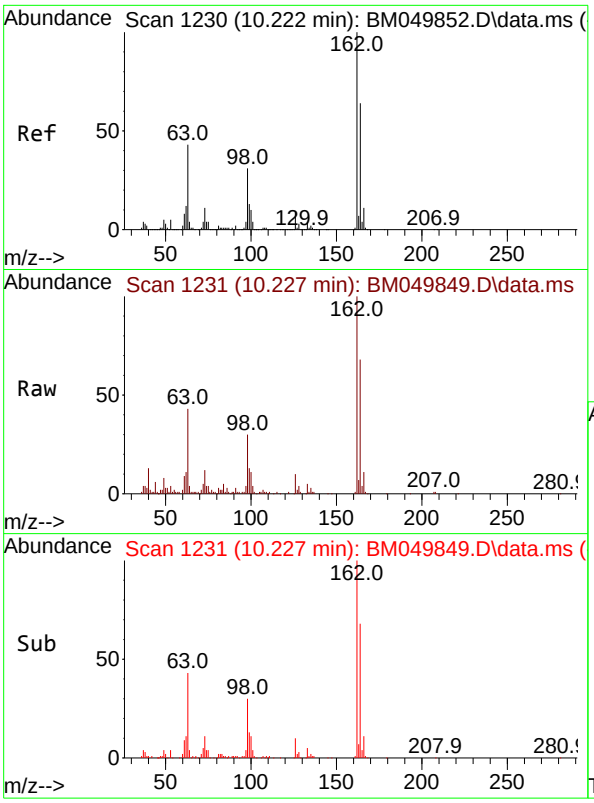


#28
bis(2-Chloroethoxy)methane
Concen: 4.795 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 93 Resp: 105841

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.6	40.0
123	11.0	9.5	14.3

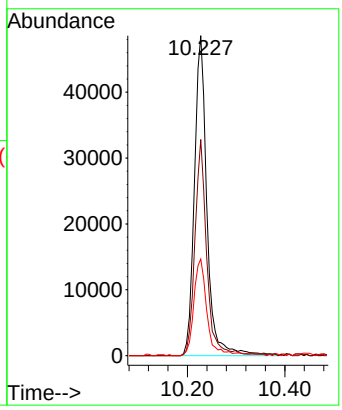




#29
2,4-Dichlorophenol
Concen: 4.621 ng
RT: 10.227 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:162 Resp: 8744

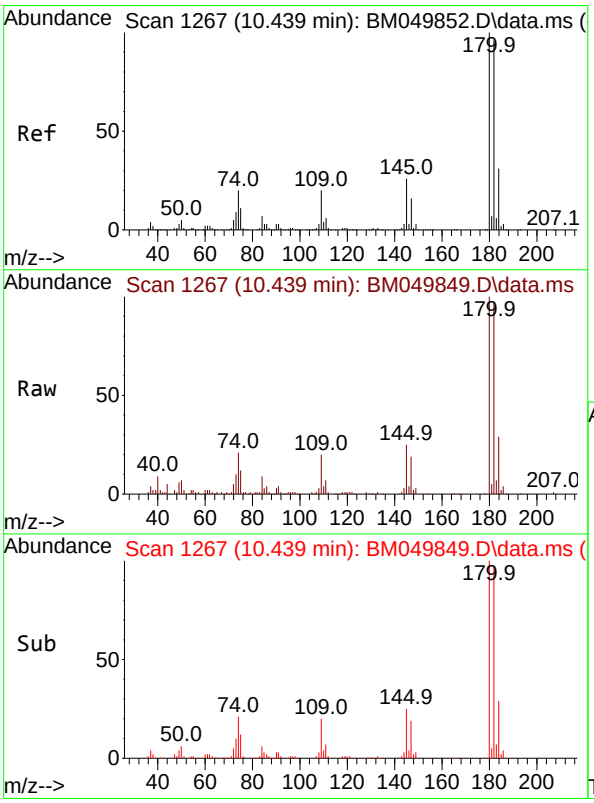
Ion	Ratio	Lower	Upper
162	100		
164	67.5	44.3	84.3
98	30.2	10.9	50.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

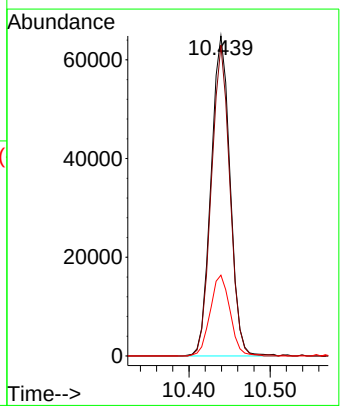
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

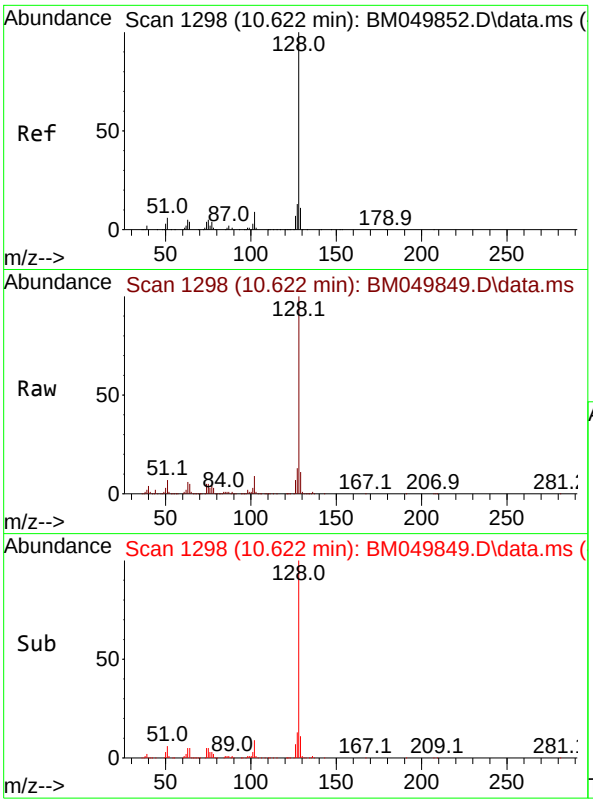


#30
1,2,4-Trichlorobenzene
Concen: 4.830 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:180 Resp: 105742

Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.7	115.1
145	25.3	20.8	31.2

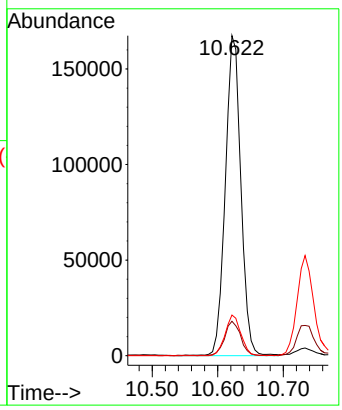




#31
Naphthalene
Concen: 4.883 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:128 Resp: 27496

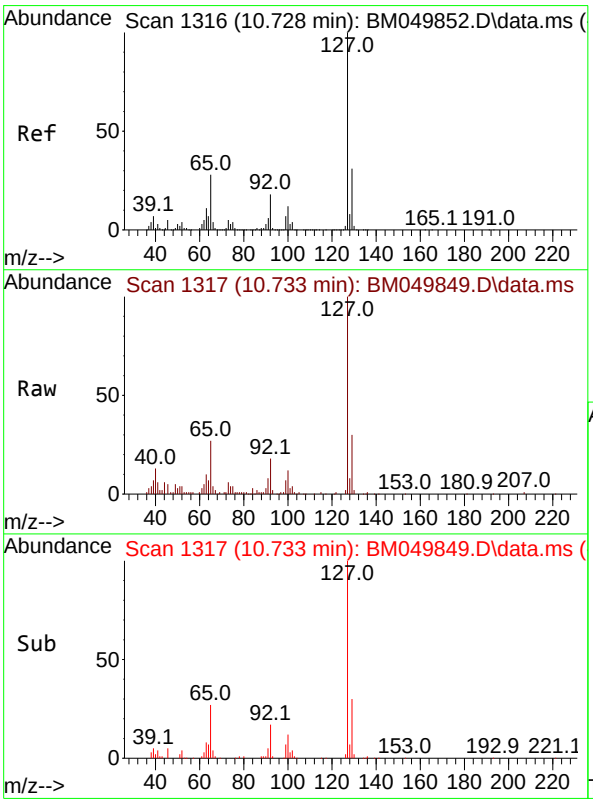
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.7	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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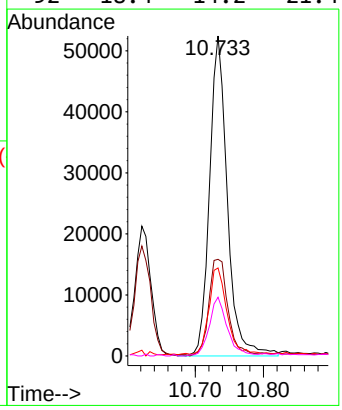
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

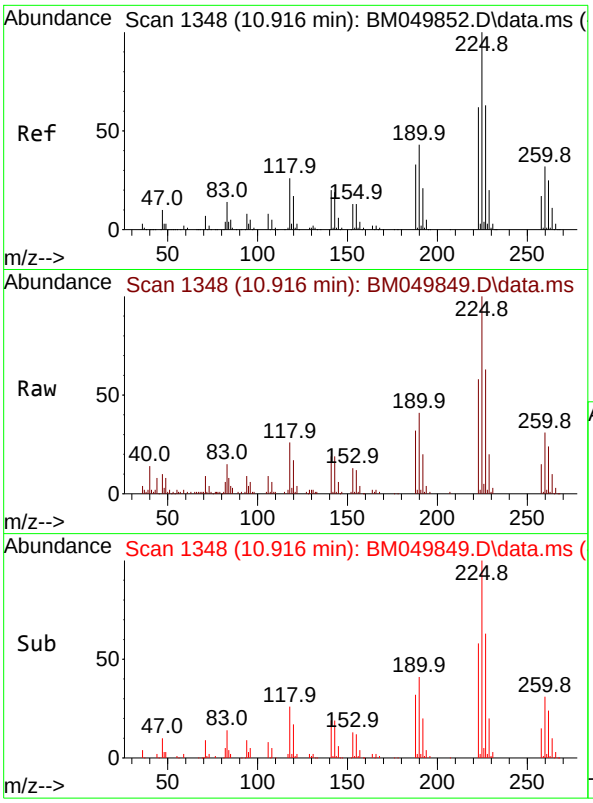


#33
4-Chloroaniline
Concen: 4.793 ng
RT: 10.733 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:127 Resp: 95317

Ion	Ratio	Lower	Upper
127	100		
129	30.2	24.9	37.3
65	27.5	22.4	33.6
92	18.4	14.2	21.4

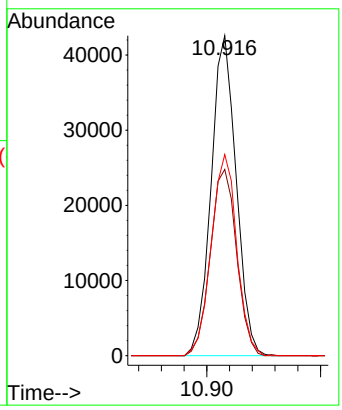




#34
Hexachlorobutadiene
Concen: 4.815 ng
RT: 10.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:225 Resp: 6519

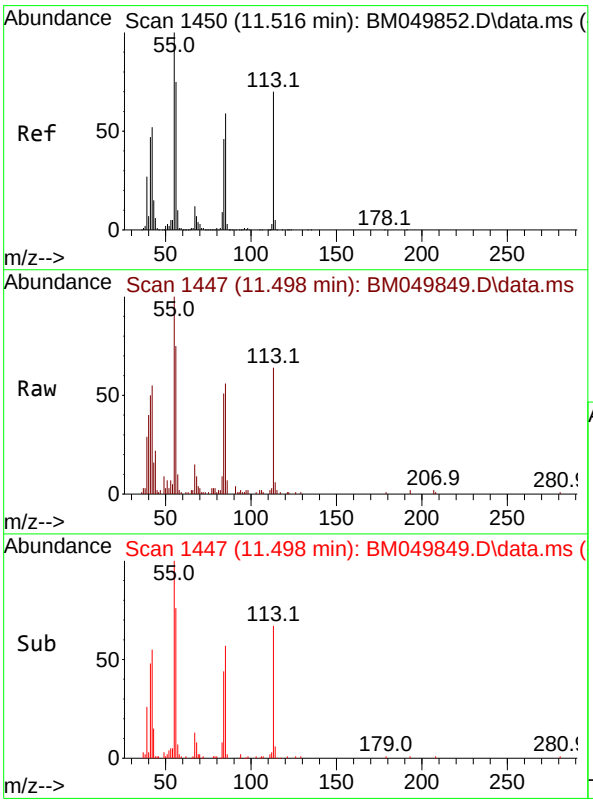
Ion	Ratio	Lower	Upper
225	100		
223	58.2	49.4	74.2
227	62.8	50.1	75.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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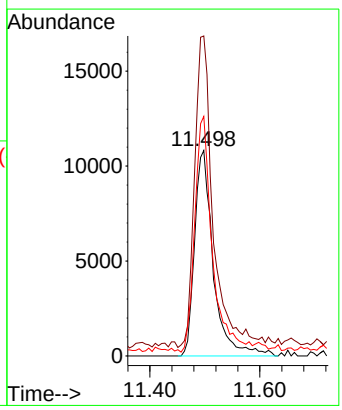
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

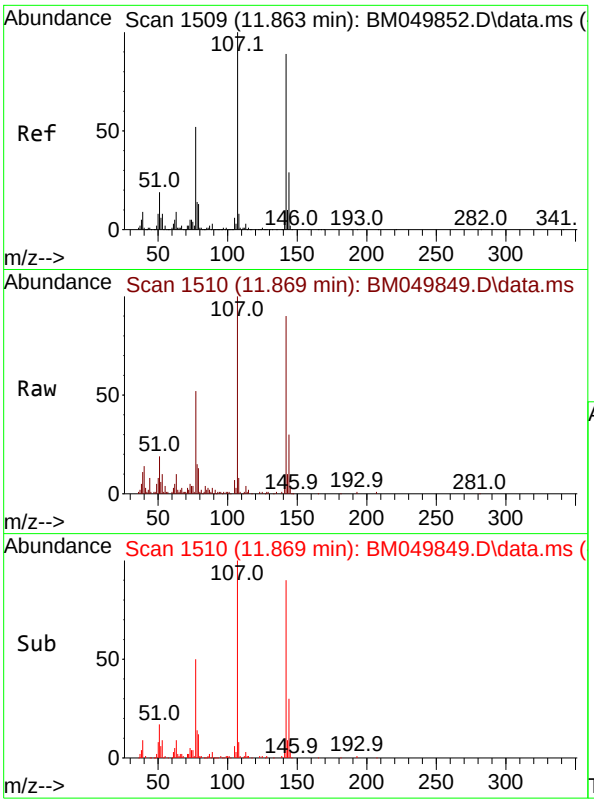


#35
Caprolactam
Concen: 4.718 ng
RT: 11.498 min Scan# 1447
Delta R.T. -0.018 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:113 Resp: 25608

Ion	Ratio	Lower	Upper
113	100		
55	155.8	124.3	164.3
56	116.6	87.5	127.5





#36
4-Chloro-3-methylphenol
Concen: 4.583 ng
RT: 11.869 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

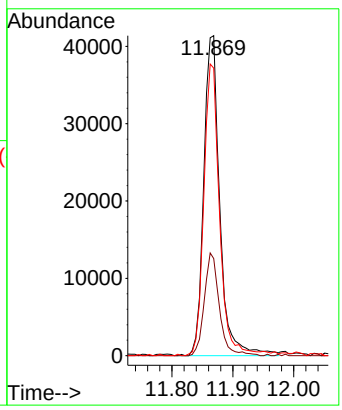
Tgt Ion:107 Resp: 7597

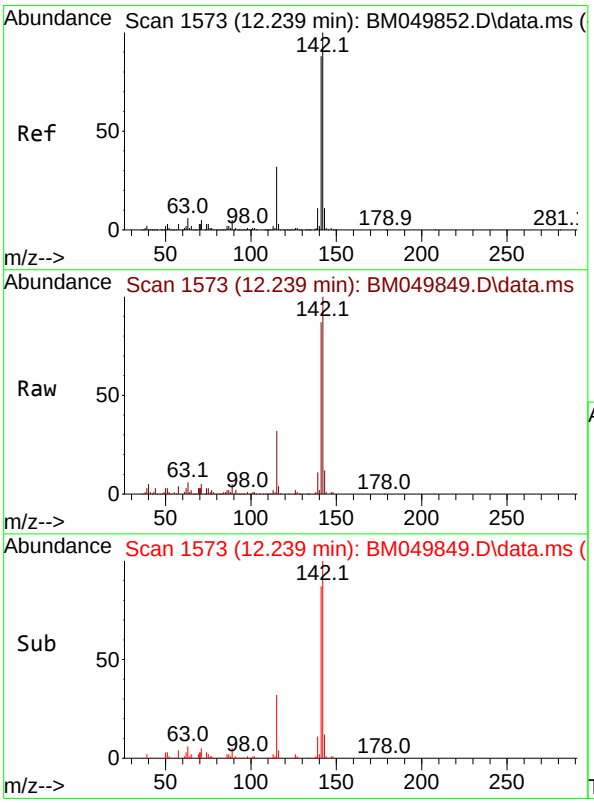
Ion	Ratio	Lower	Upper
107	100		
144	30.4	23.6	35.4
142	89.9	71.4	107.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

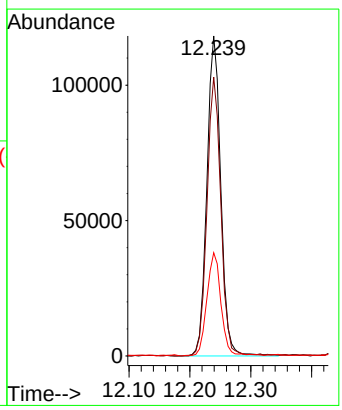


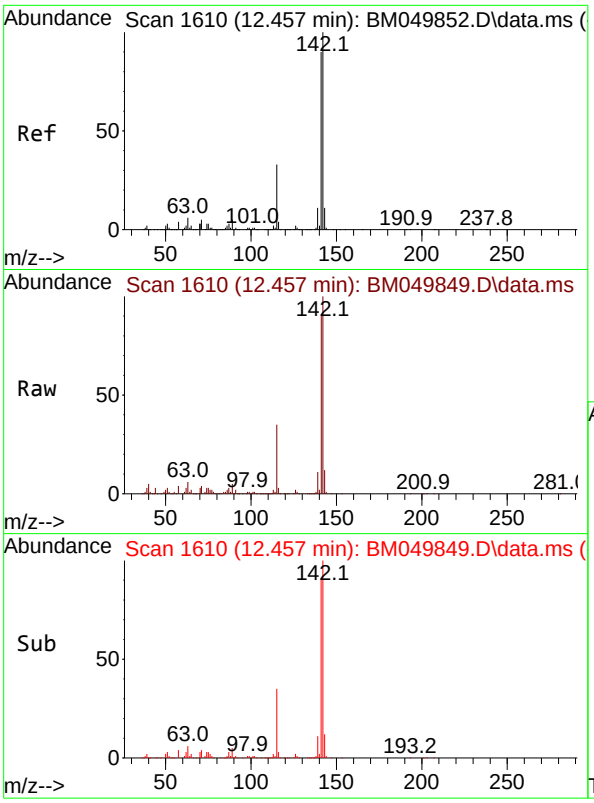


#37
2-Methylnaphthalene
Concen: 4.718 ng
RT: 12.239 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:142 Resp: 187208

Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.2	105.2
115	32.2	25.4	38.2

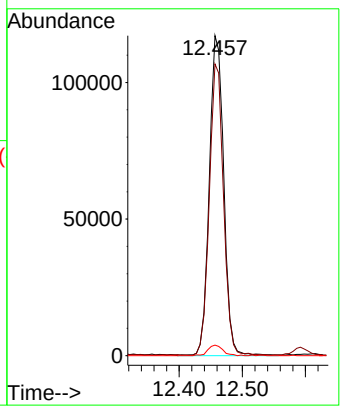




#38
1-Methylnaphthalene
Concen: 4.820 ng
RT: 12.457 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:142 Resp: 18633

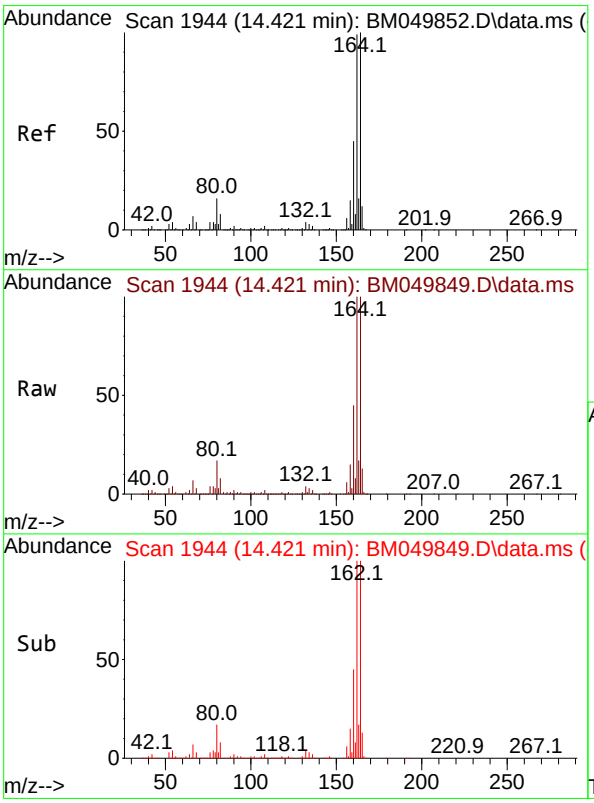
Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.2	108.2
116	3.3	2.9	4.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
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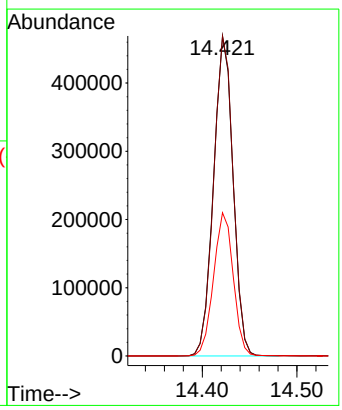
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

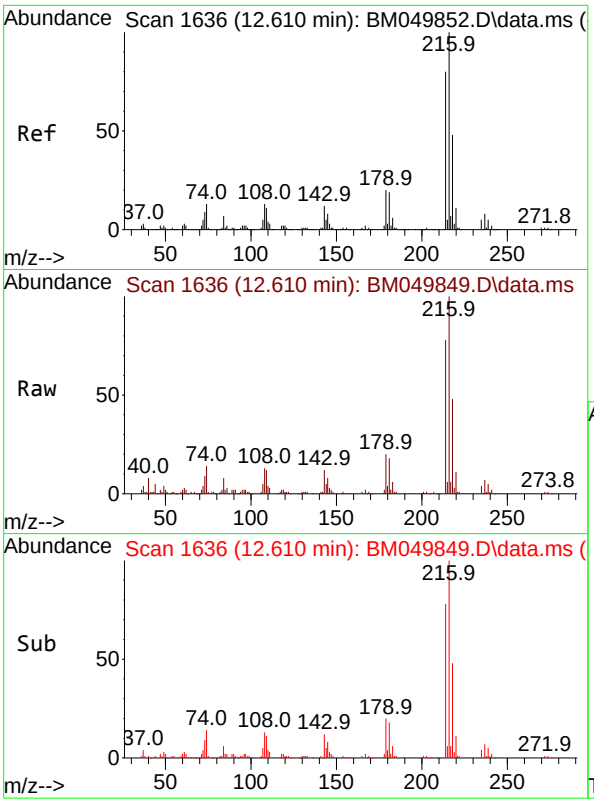


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1944
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:164 Resp: 671126

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.4	119.0
160	44.8	36.2	54.2

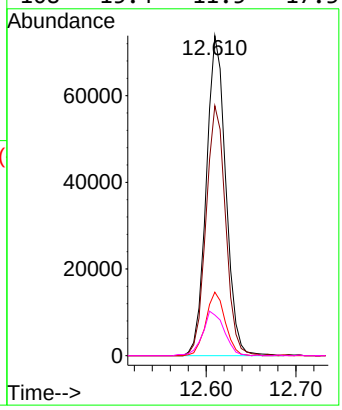




#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.745 ng
RT: 12.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:216 Resp: 11141

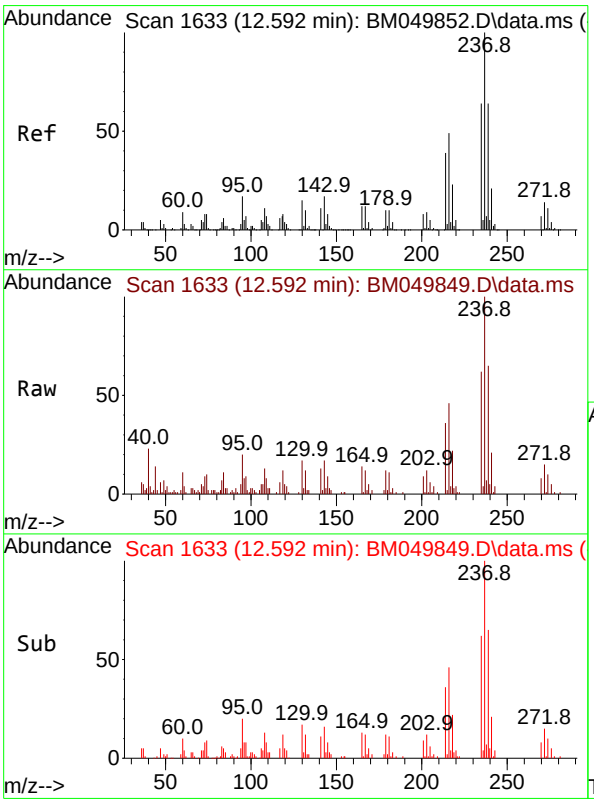
Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.2	94.8
179	19.8	15.8	23.6
108	15.4	11.5	17.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

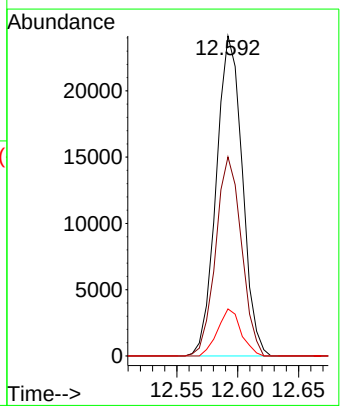
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

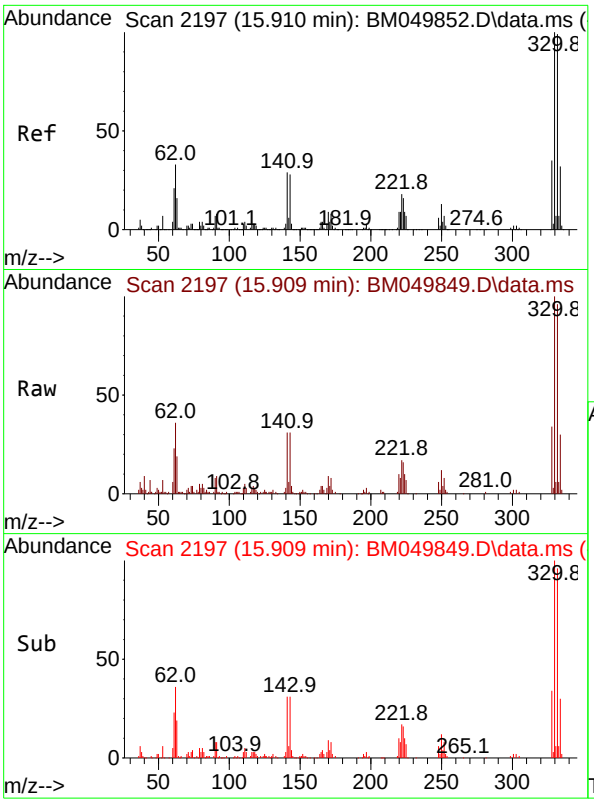


#41
Hexachlorocyclopentadiene
Concen: 4.368 ng
RT: 12.592 min Scan# 1633
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:237 Resp: 35937

Ion	Ratio	Lower	Upper
237	100		
235	62.2	43.7	83.7
272	14.7	0.0	33.5

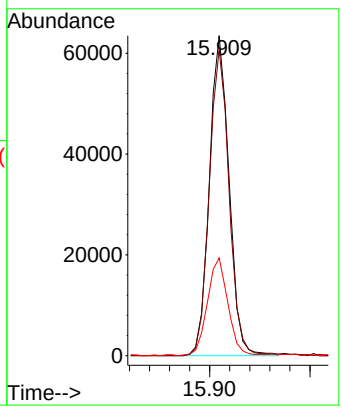




#42
2,4,6-Tribromophenol
Concen: 8.869 ng
RT: 15.909 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:330 Resp: 8657

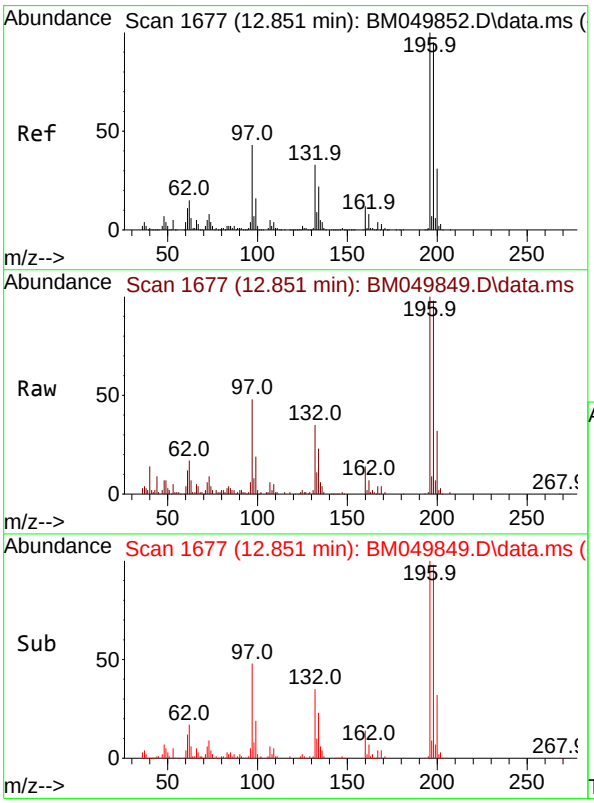
Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.0	117.0
141	31.9	23.5	35.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

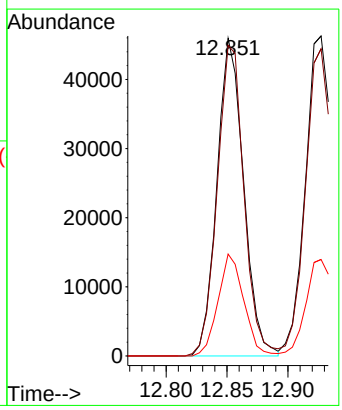
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

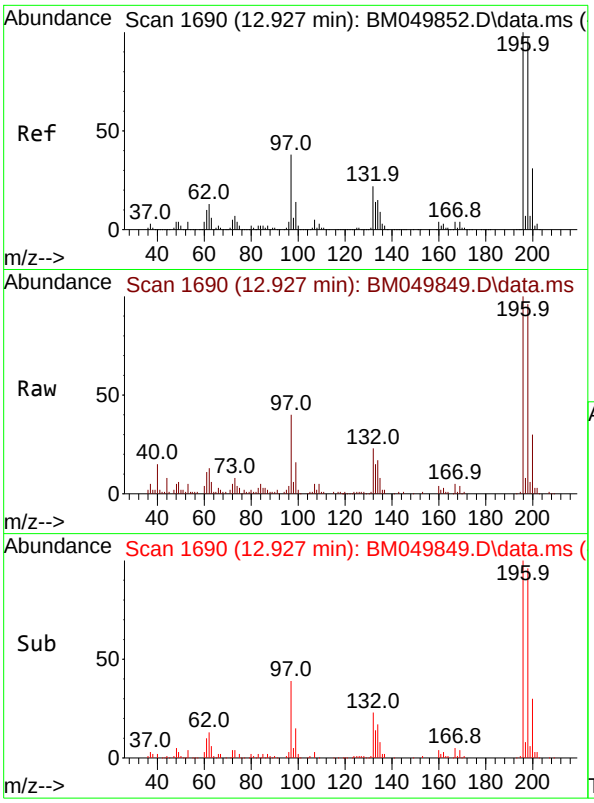


#43
2,4,6-Trichlorophenol
Concen: 4.681 ng
RT: 12.851 min Scan# 1677
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:196 Resp: 69935

Ion	Ratio	Lower	Upper
196	100		
198	97.8	76.1	114.1
200	32.1	24.7	37.1

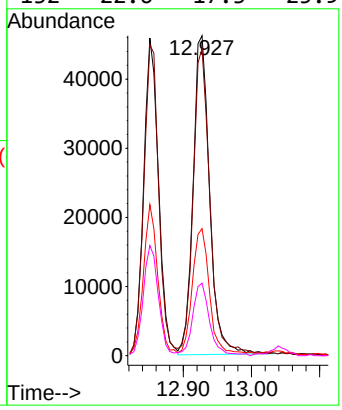




#44
2,4,5-Trichlorophenol
Concen: 4.805 ng
RT: 12.927 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:196 Resp: 7801

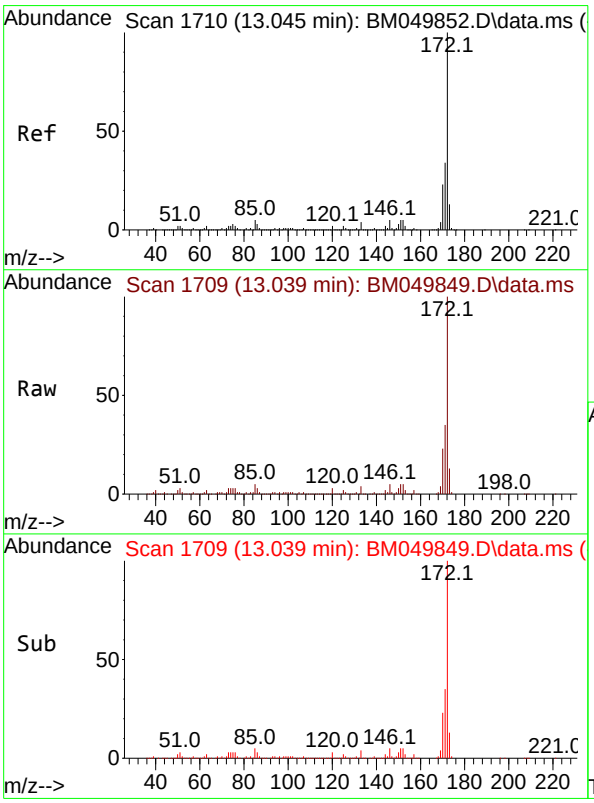
Ion	Ratio	Lower	Upper
196	100		
198	96.0	77.7	116.5
97	39.7	30.3	45.5
132	22.6	17.3	25.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

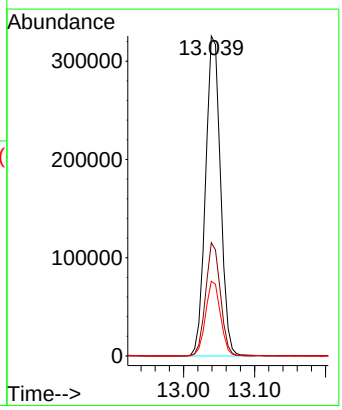
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

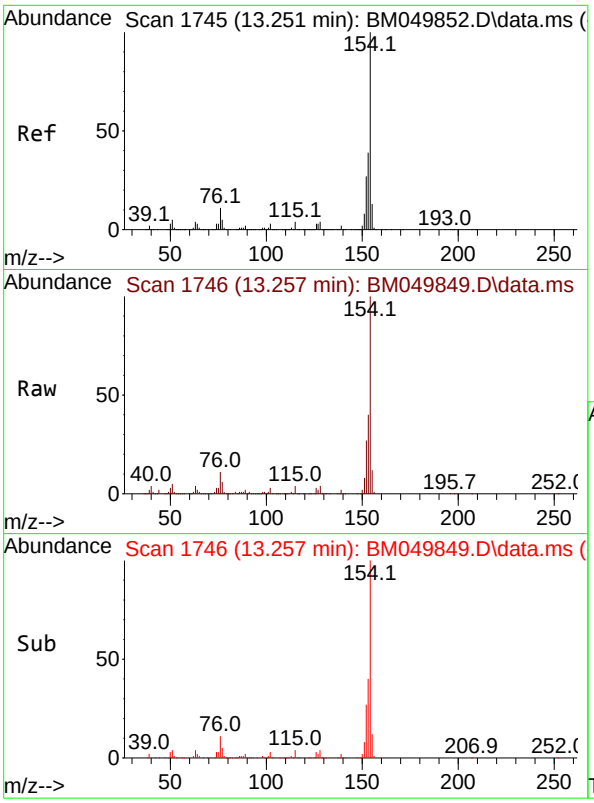


#45
2-Fluorobiphenyl
Concen: 9.661 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:172 Resp: 478149

Ion	Ratio	Lower	Upper
172	100		
171	35.4	27.4	41.2
170	23.4	18.6	28.0

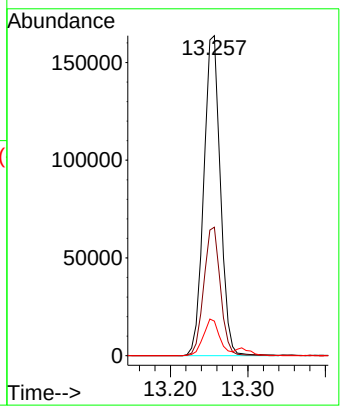




#46
1,1'-Biphenyl
Concen: 4.880 ng
RT: 13.257 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:154 Resp: 24344

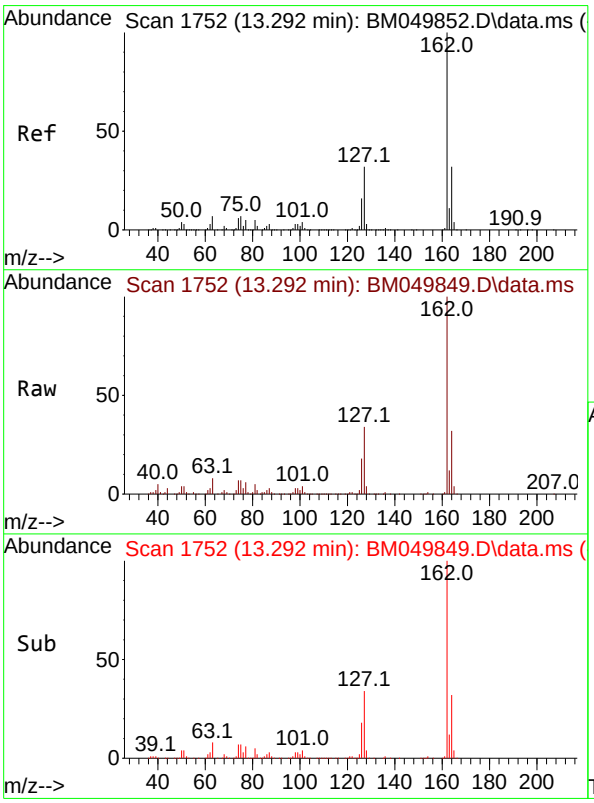
Ion	Ratio	Lower	Upper
154	100		
153	40.1	19.3	59.3
76	10.8	0.0	30.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

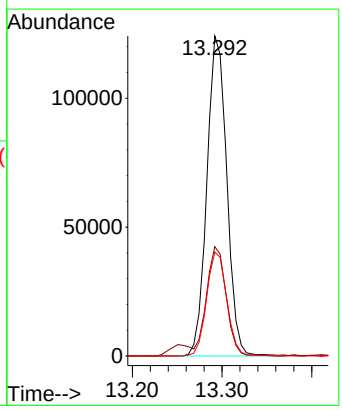
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

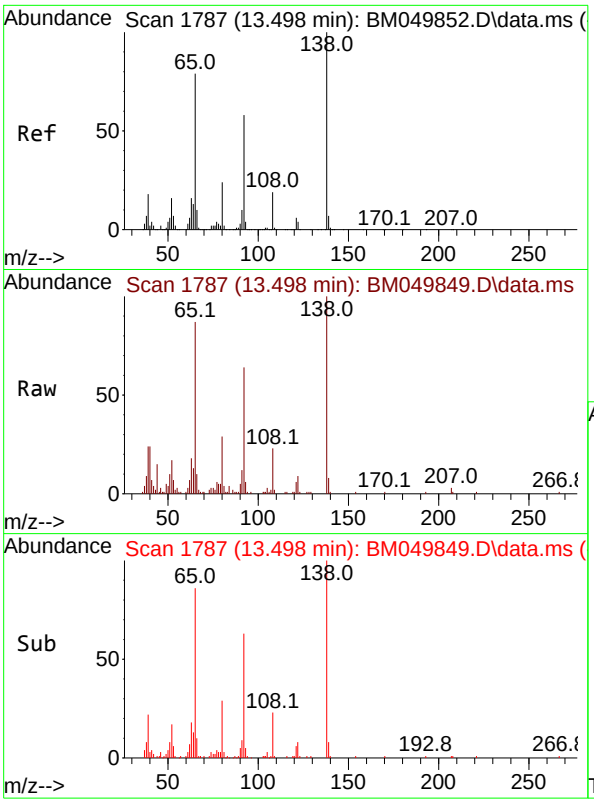


#47
2-Chloronaphthalene
Concen: 4.879 ng
RT: 13.292 min Scan# 1752
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:162 Resp: 191299

Ion	Ratio	Lower	Upper
162	100		
127	34.1	26.0	39.0
164	32.4	25.9	38.9

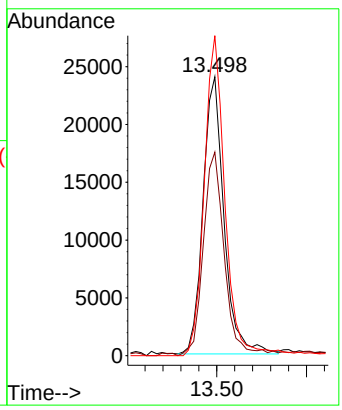




#48
2-Nitroaniline
Concen: 4.285 ng
RT: 13.498 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 65 Resp: 3887

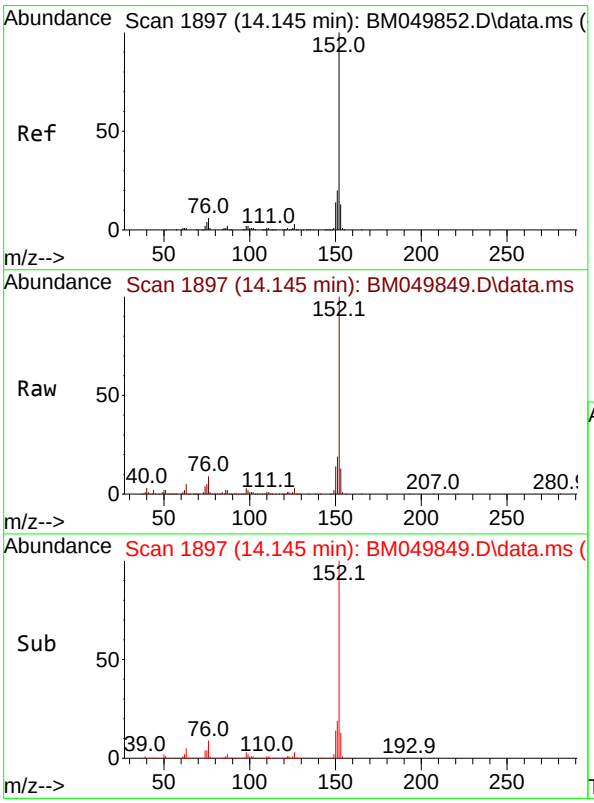
Ion	Ratio	Lower	Upper
65	100		
92	73.0	58.4	87.6
138	114.8	100.8	151.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

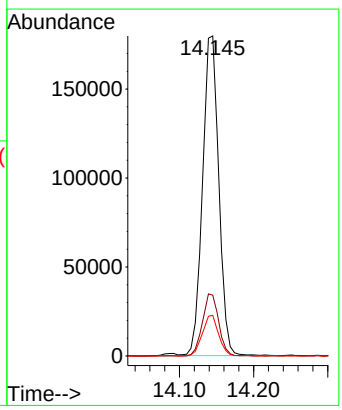
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

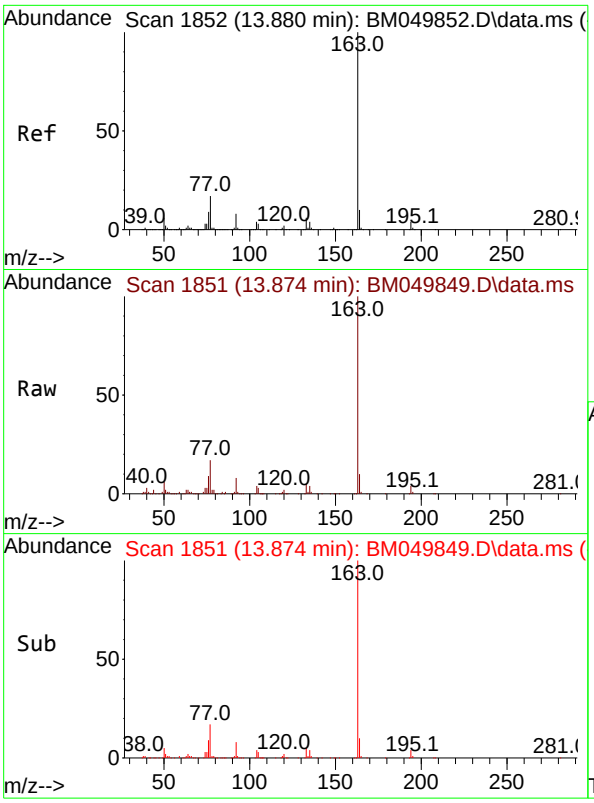


#49
Acenaphthylene
Concen: 4.779 ng
RT: 14.145 min Scan# 1897
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:152 Resp: 272990

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.7	23.5
153	12.7	10.4	15.6

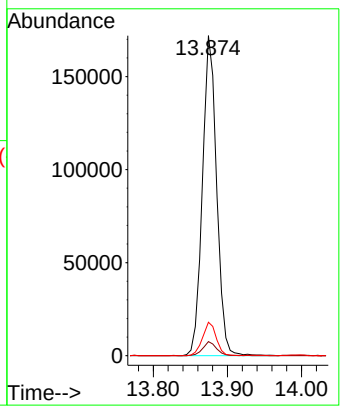




#50
Dimethylphthalate
Concen: 4.841 ng
RT: 13.874 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:163 Resp: 22920

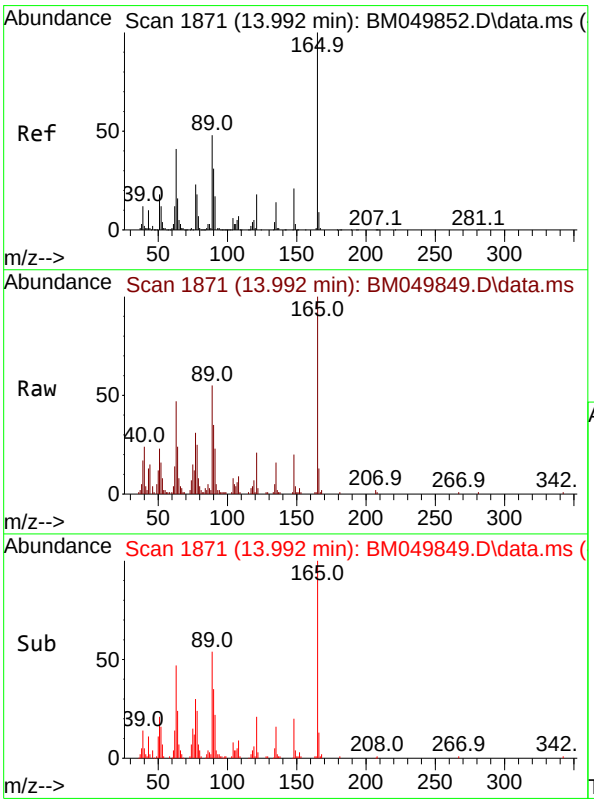
Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	10.5	7.9	11.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

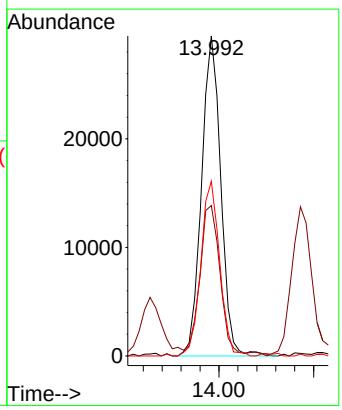
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

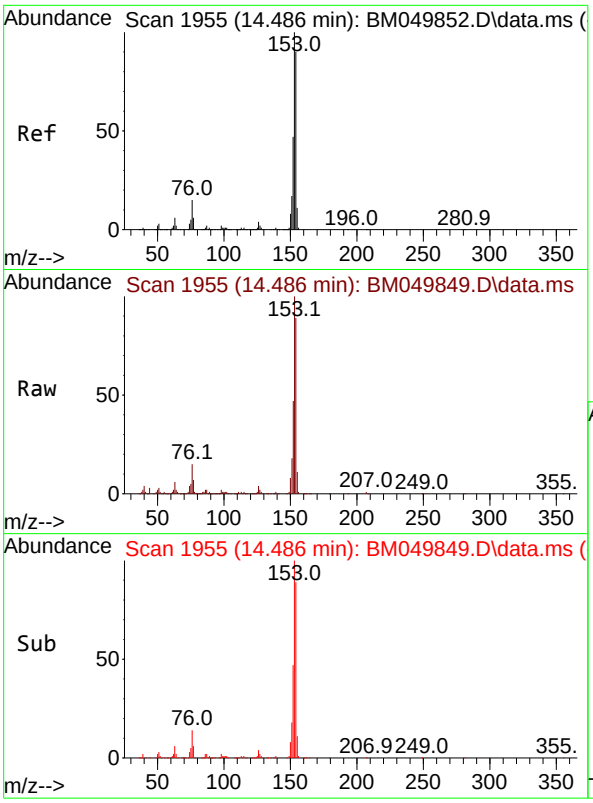


#51
2,6-Dinitrotoluene
Concen: 4.205 ng
RT: 13.992 min Scan# 1871
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:165 Resp: 41712

Ion	Ratio	Lower	Upper
165	100		
63	47.0	36.1	54.1
89	54.6	38.3	57.5

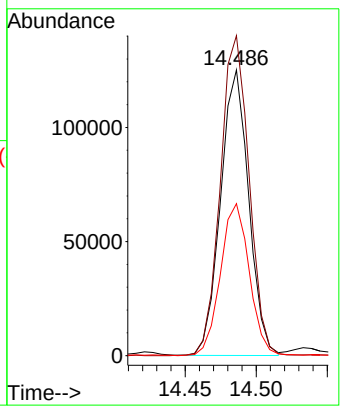




#52
Acenaphthene
Concen: 4.744 ng
RT: 14.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:154 Resp: 17236

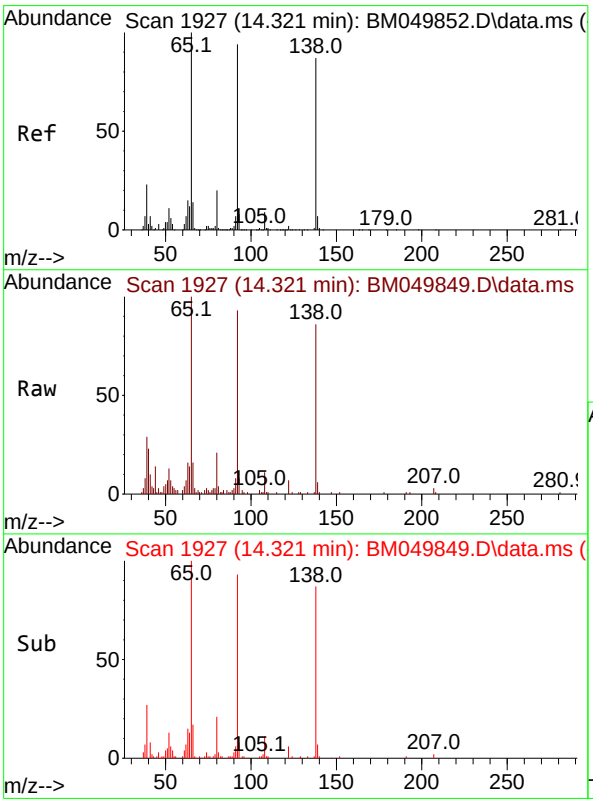
Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.3	133.9
152	53.2	42.2	63.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

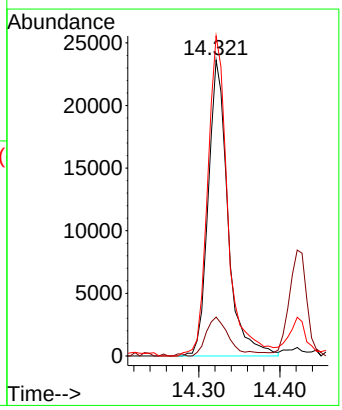
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

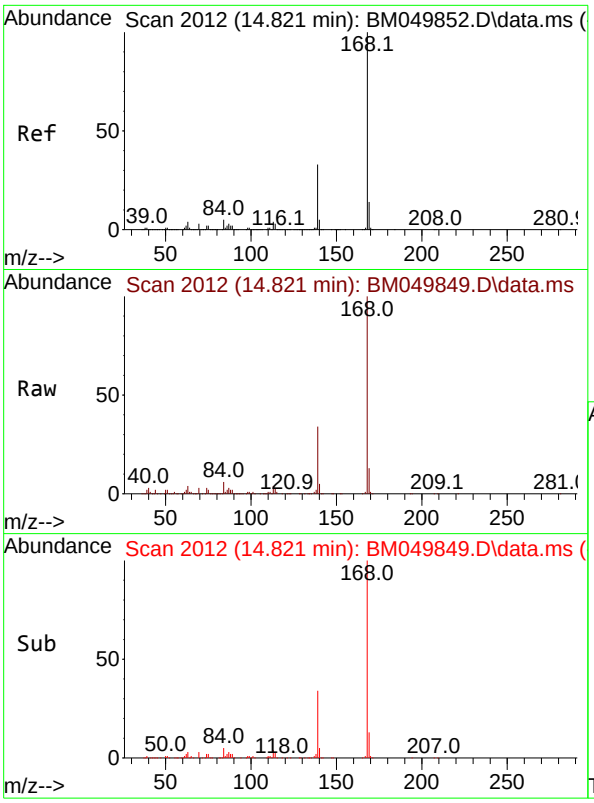


#53
3-Nitroaniline
Concen: 4.133 ng
RT: 14.321 min Scan# 1927
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:138 Resp: 39627

Ion	Ratio	Lower	Upper
138	100		
108	13.2	8.1	12.1#
92	108.2	86.5	129.7





#55
Dibenzofuran
Concen: 4.800 ng
RT: 14.821 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

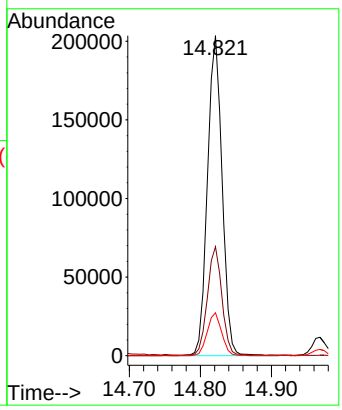
Tgt Ion:168 Resp: 29151

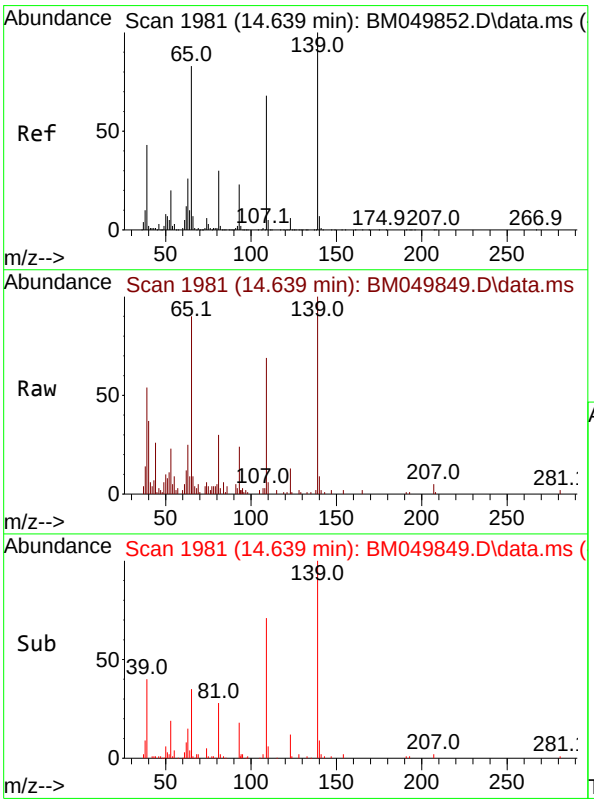
Ion	Ratio	Lower	Upper
168	100		
139	34.1	26.6	39.8
169	13.4	11.0	16.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

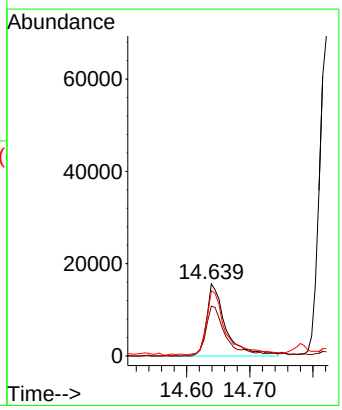


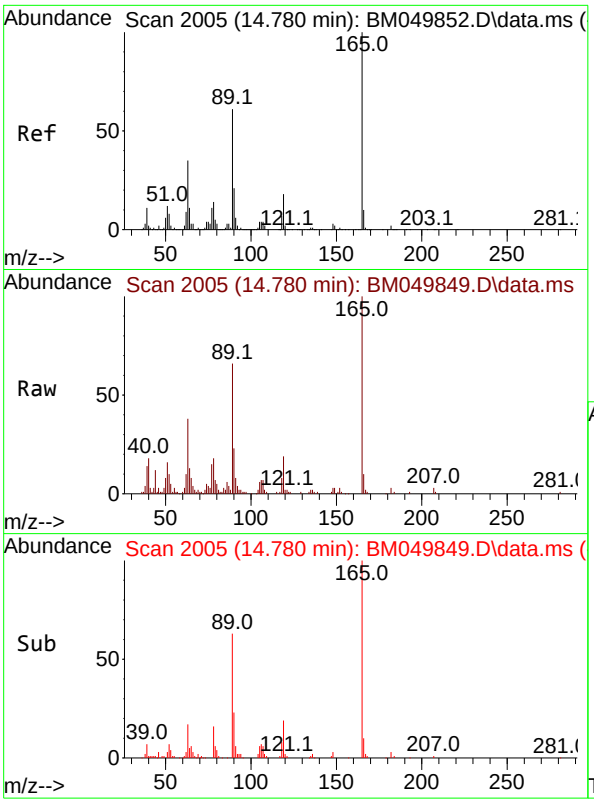


#56
4-Nitrophenol
Concen: 3.826 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:139 Resp: 32685

Ion	Ratio	Lower	Upper
139	100		
109	68.9	47.9	87.9
65	90.1	62.7	102.7

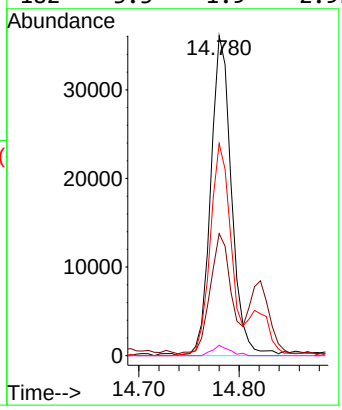




#57
2,4-Dinitrotoluene
Concen: 3.920 ng
RT: 14.780 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:165 Resp: 5188

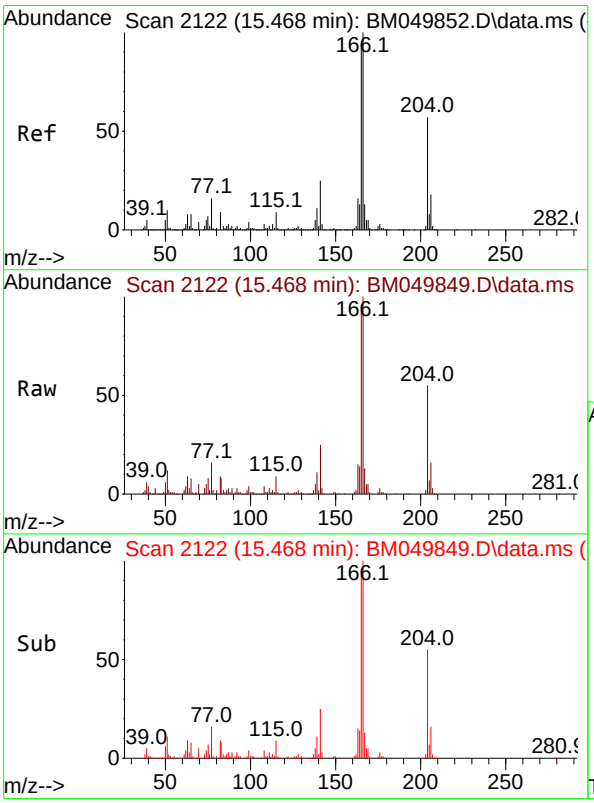
Ion	Ratio	Lower	Upper
165	100		
63	38.2	28.6	42.8
89	66.3	49.0	73.6
182	3.3	1.9	2.9#



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

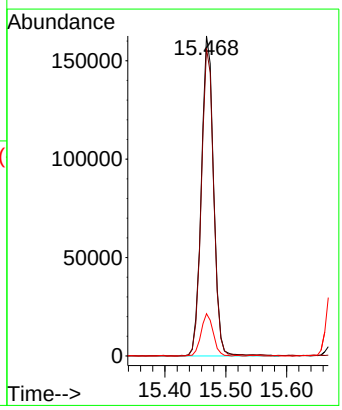
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

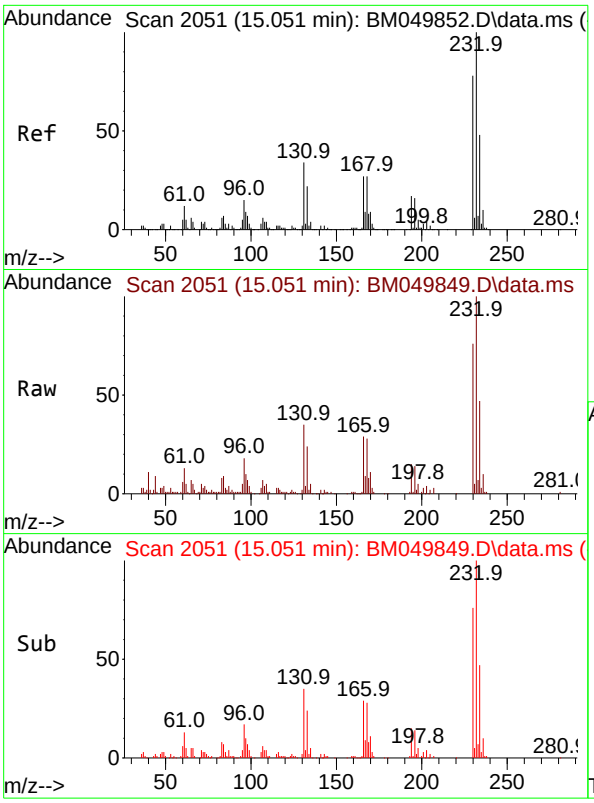


#58
Fluorene
Concen: 4.706 ng
RT: 15.468 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:166 Resp: 227189

Ion	Ratio	Lower	Upper
166	100		
165	96.1	76.3	114.5
167	13.2	10.7	16.1

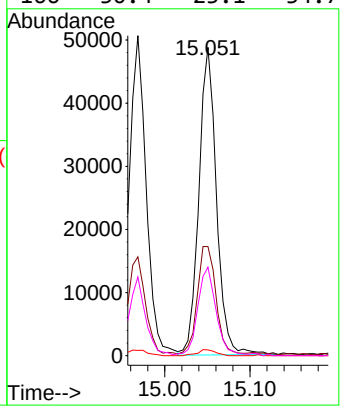




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.924 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:232 Resp: 7006

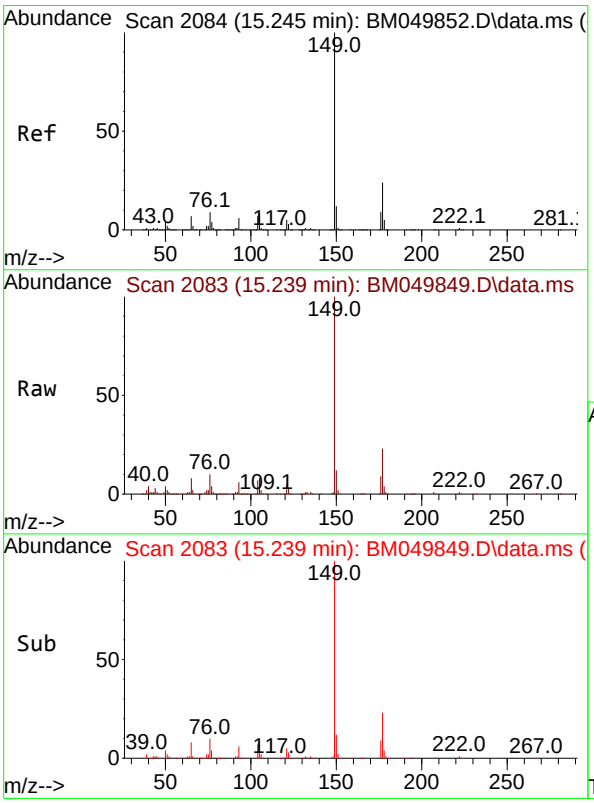
Ion	Ratio	Lower	Upper
232	100		
131	36.7	28.4	42.6
130	2.0	1.6	2.4
166	30.4	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

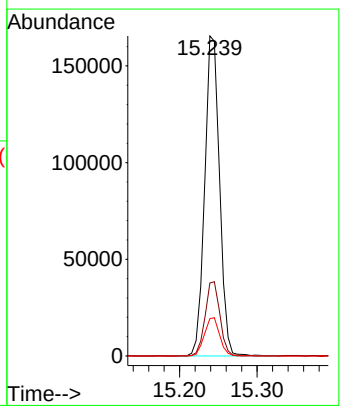
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

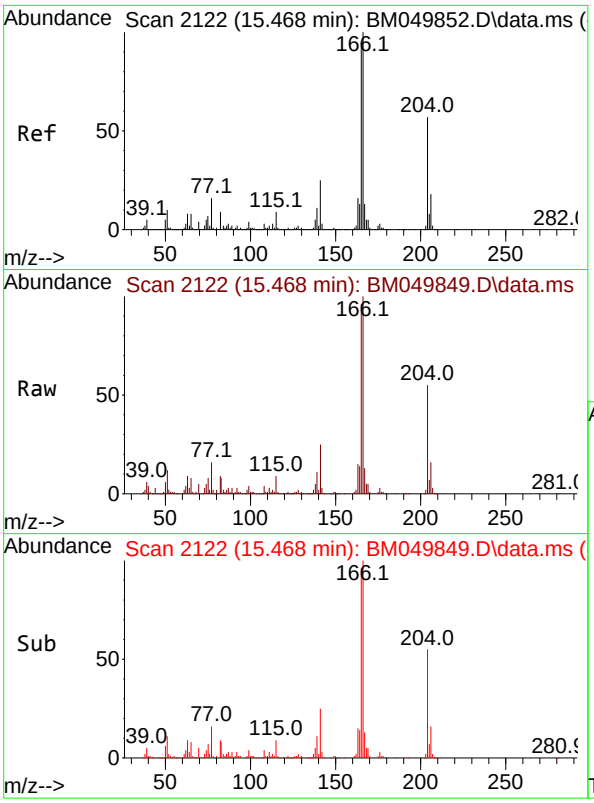


#60
Diethylphthalate
Concen: 4.846 ng
RT: 15.239 min Scan# 2083
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:149 Resp: 220014

Ion	Ratio	Lower	Upper
149	100		
177	22.8	19.0	28.4
150	11.6	9.7	14.5

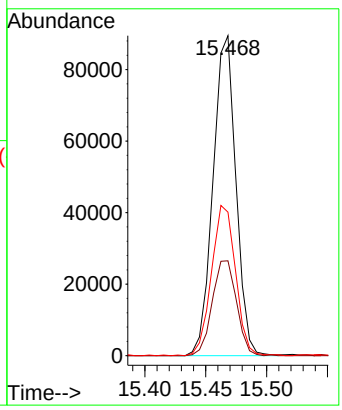




#61
4-Chlorophenyl-phenylether
Concen: 4.529 ng
RT: 15.468 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:204 Resp: 11723

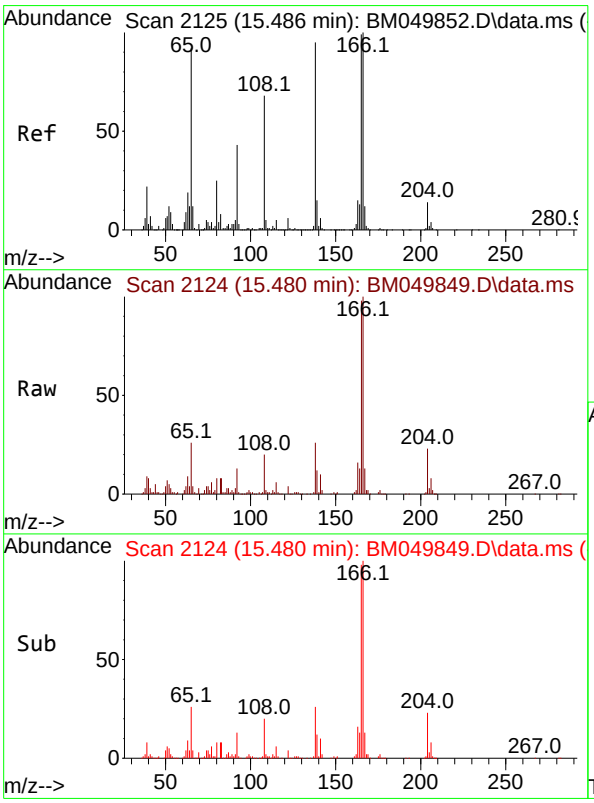
Ion	Ratio	Lower	Upper
204	100		
206	29.7	26.2	39.2
141	44.9	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

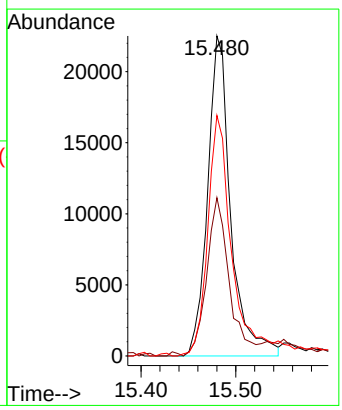
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

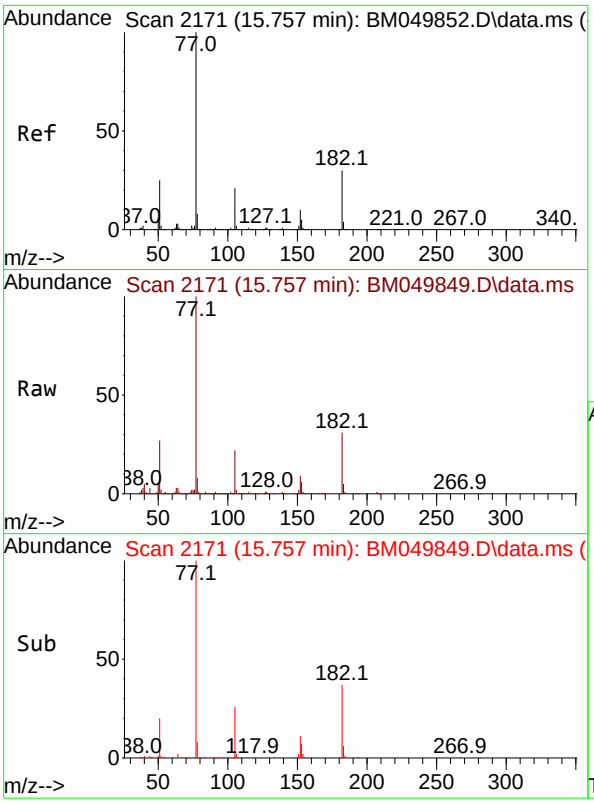


#62
4-Nitroaniline
Concen: 3.843 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:138 Resp: 38105

Ion	Ratio	Lower	Upper
138	100		
92	49.4	24.9	64.9
108	75.2	51.7	91.7

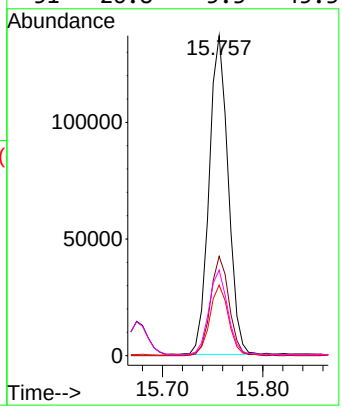




#63
Azobenzene
Concen: 4.650 ng
RT: 15.757 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion: 77 Resp: 18075

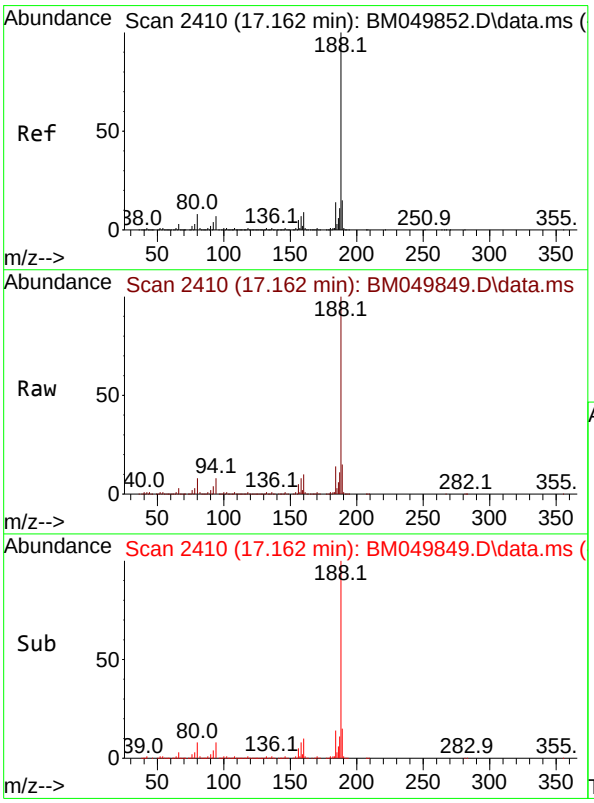
Ion	Ratio	Lower	Upper
77	100		
182	31.1	10.4	50.4
105	22.1	1.5	41.5
51	26.8	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

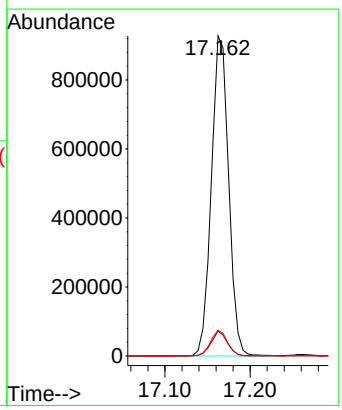
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

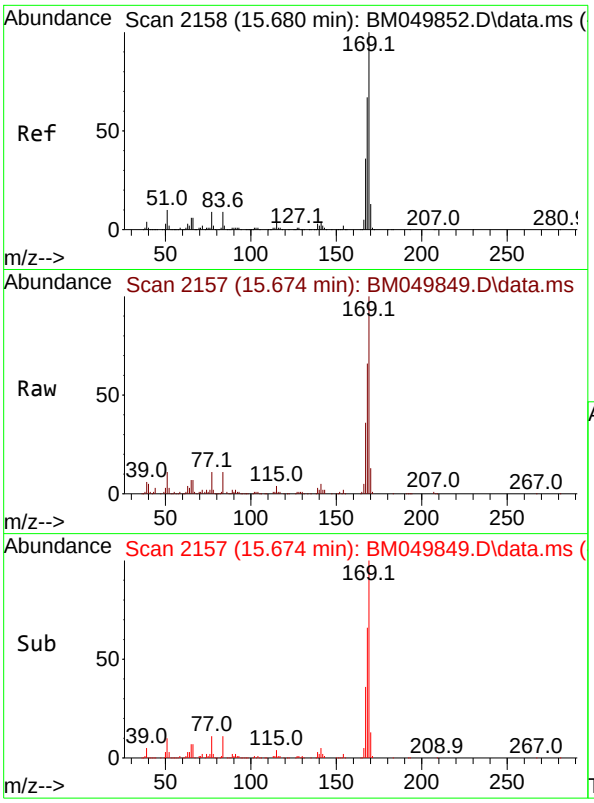


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:188 Resp: 1305854

Ion	Ratio	Lower	Upper
188	100		
94	7.8	5.8	8.6
80	8.1	6.4	9.6

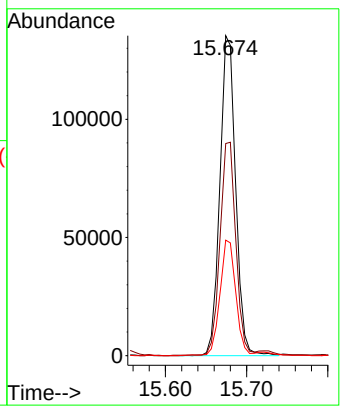




#66
n-Nitrosodiphenylamine
Concen: 4.686 ng
RT: 15.674 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:169 Resp: 18313

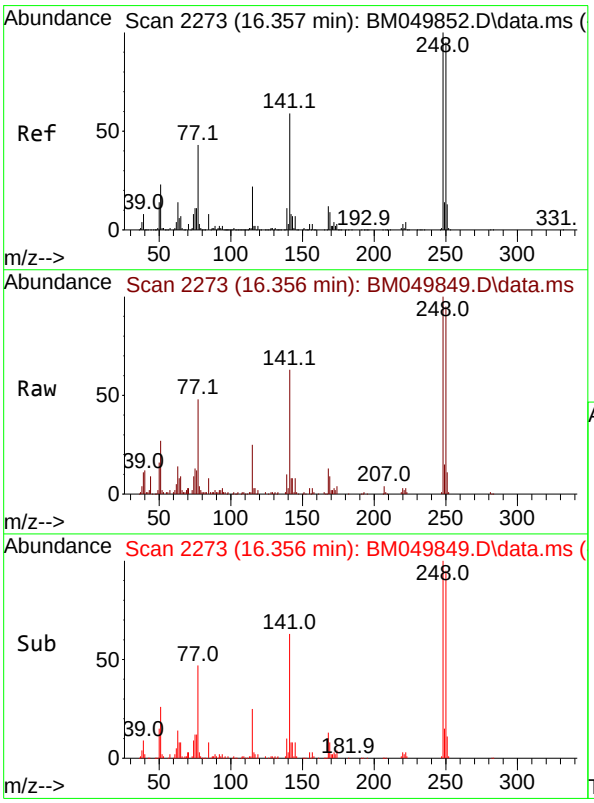
Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.4	80.2
167	36.1	29.0	43.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

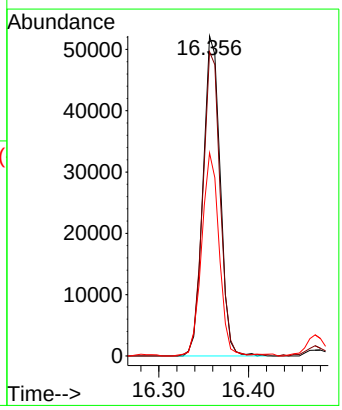
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

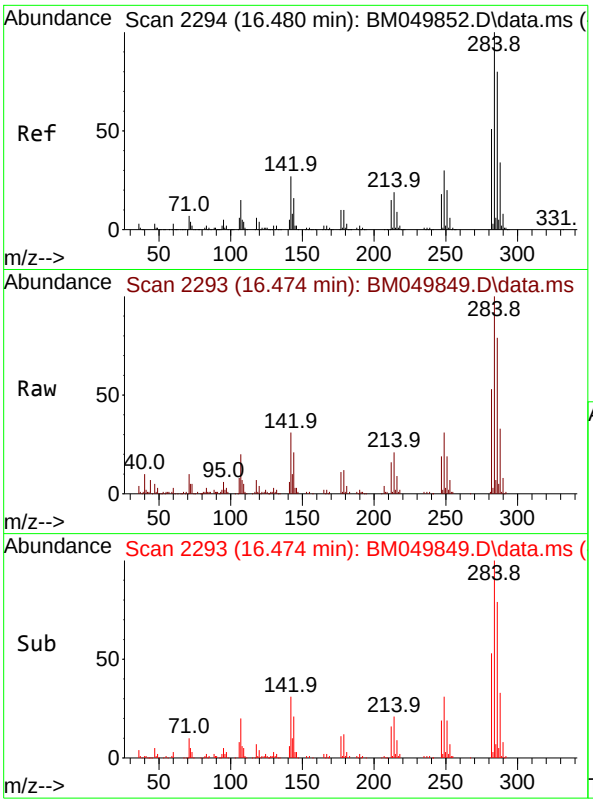


#67
4-Bromophenyl-phenylether
Concen: 4.564 ng
RT: 16.356 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:248 Resp: 69182

Ion	Ratio	Lower	Upper
248	100		
250	95.0	76.2	114.2
141	63.4	47.3	70.9

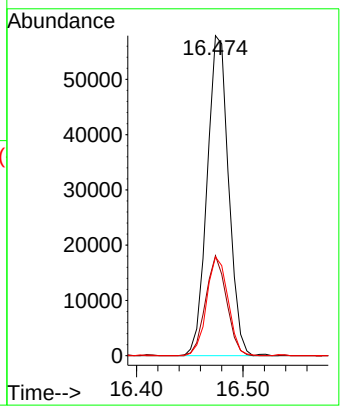




#68
Hexachlorobenzene
Concen: 4.669 ng
RT: 16.474 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:284 Resp: 8118

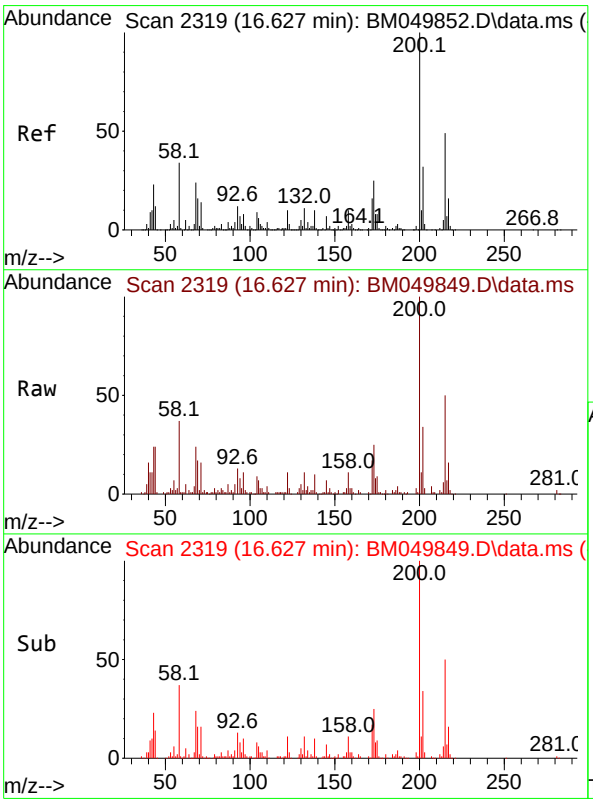
Ion	Ratio	Lower	Upper
284	100		
142	31.2	21.2	31.8
249	30.9	24.1	36.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

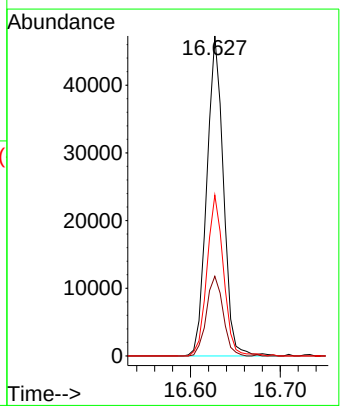
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

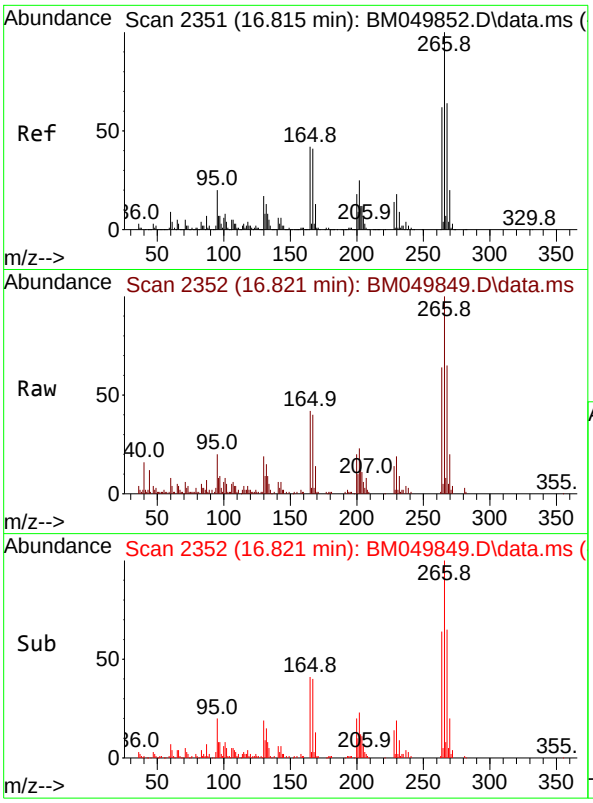


#69
Atrazine
Concen: 5.993 ng
RT: 16.627 min Scan# 2319
Delta R.T. 0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:200 Resp: 60729

Ion	Ratio	Lower	Upper
200	100		
173	24.9	5.4	45.4
215	50.2	29.0	69.0





#70
Pentachlorophenol
Concen: 4.615 ng
RT: 16.821 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

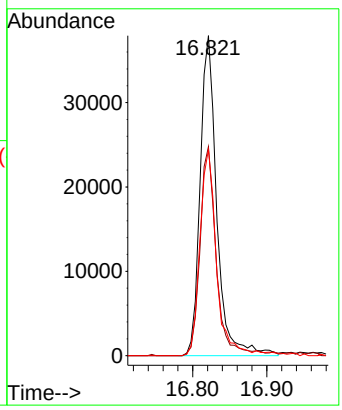
Tgt Ion:266 Resp: 5908

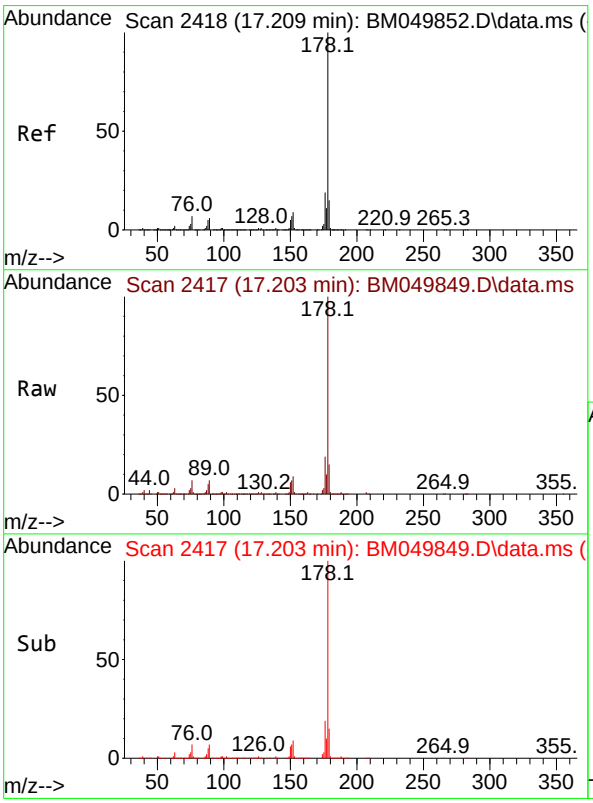
Ion	Ratio	Lower	Upper
266	100		
268	65.3	51.4	77.2
264	64.5	49.8	74.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

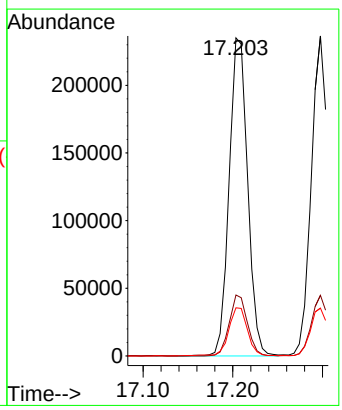


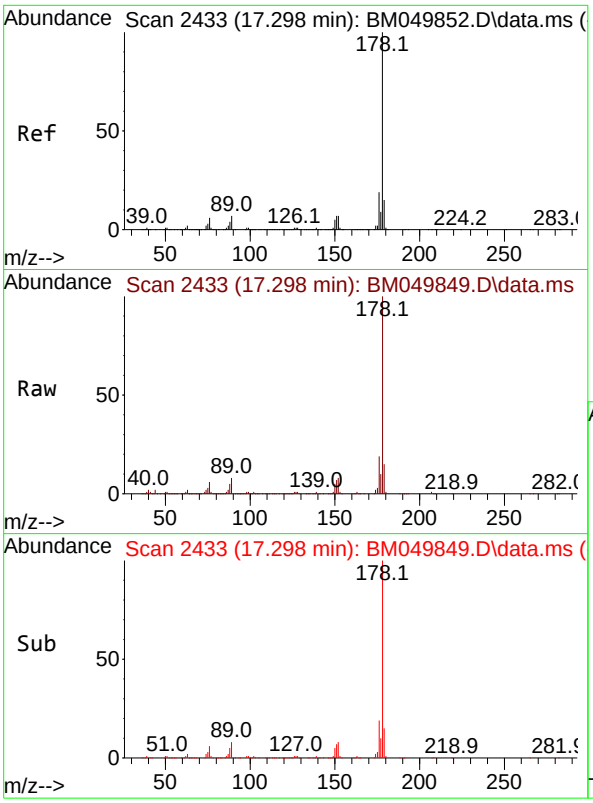


#71
Phenanthrene
Concen: 4.703 ng
RT: 17.203 min Scan# 2417
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:178 Resp: 336674

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.1	12.3	18.5

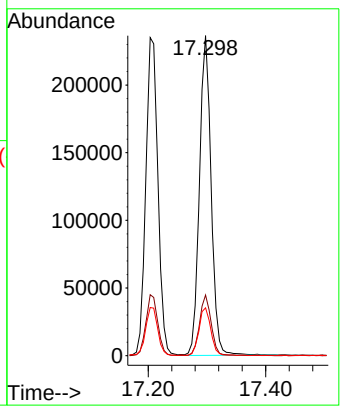




#72
Anthracene
Concen: 4.616 ng
RT: 17.298 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:178 Resp: 32563

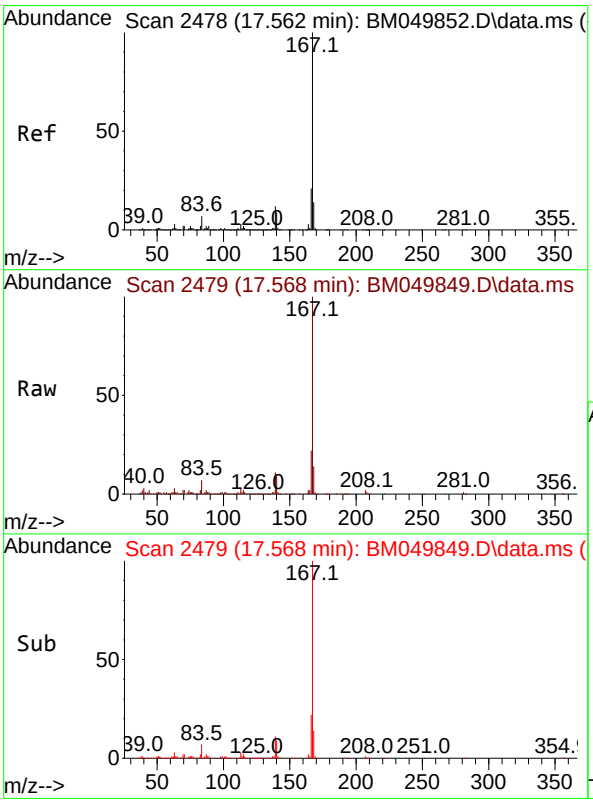
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	14.9	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

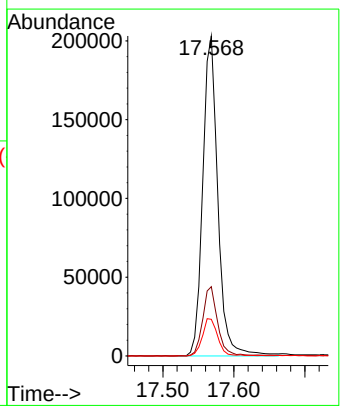
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

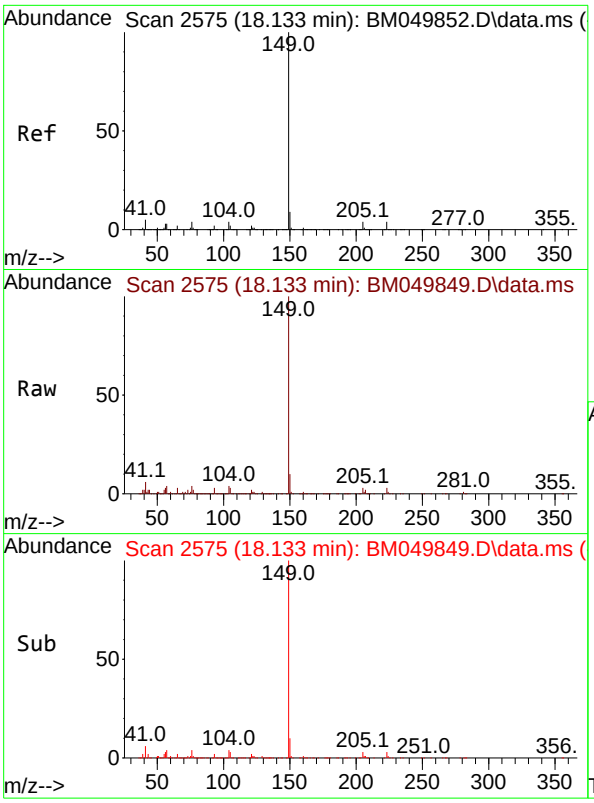


#73
Carbazole
Concen: 4.530 ng
RT: 17.568 min Scan# 2479
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:167 Resp: 301001

Ion	Ratio	Lower	Upper
167	100		
166	21.7	16.9	25.3
139	11.5	9.3	13.9

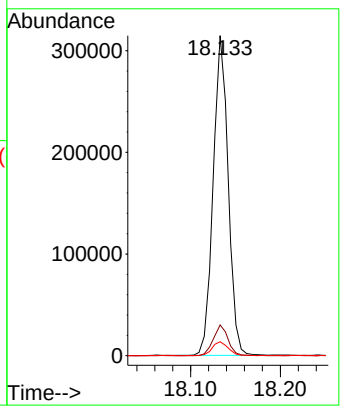




#74
Di-n-butylphthalate
Concen: 4.773 ng
RT: 18.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:149 Resp: 36535

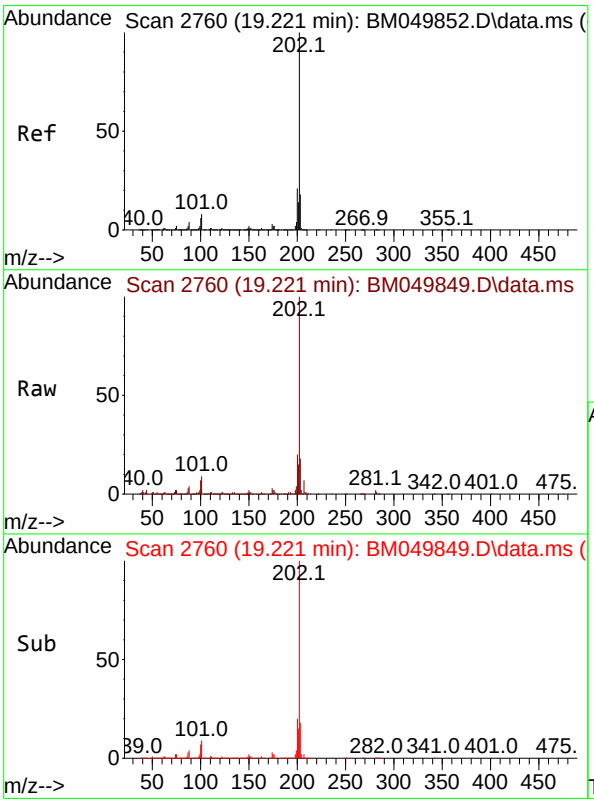
Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	4.3	3.5	5.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

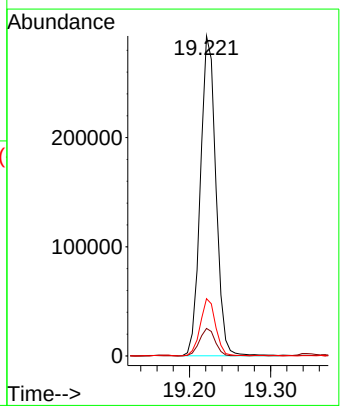
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

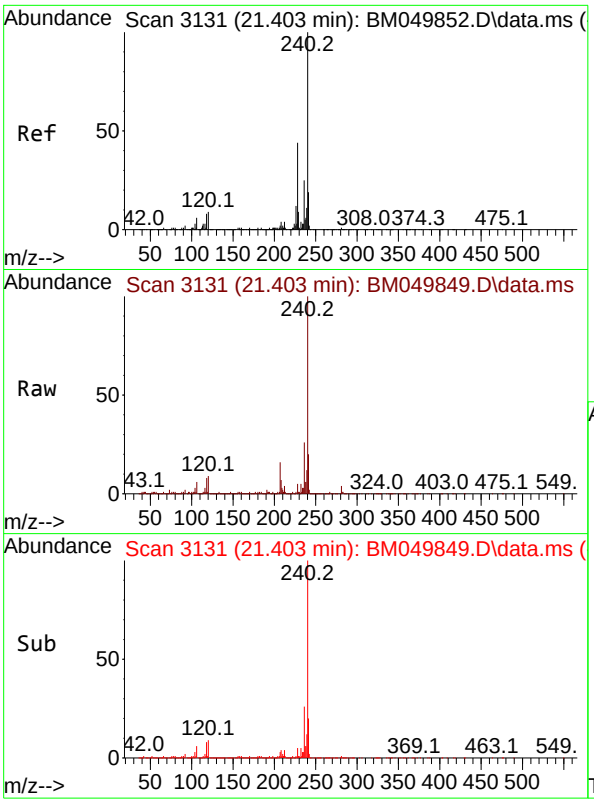


#75
Fluoranthene
Concen: 4.404 ng
RT: 19.221 min Scan# 2760
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:202 Resp: 387674

Ion	Ratio	Lower	Upper
202	100		
101	8.6	0.0	28.4
203	17.9	0.0	37.8

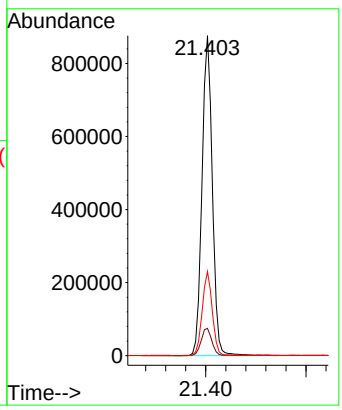




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:240 Resp: 125541

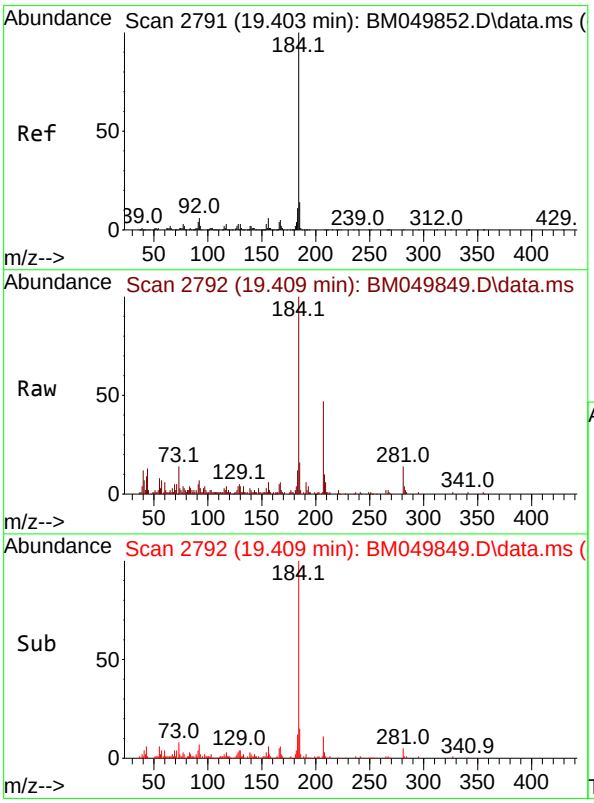
Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.9	10.3
236	26.3	20.4	30.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

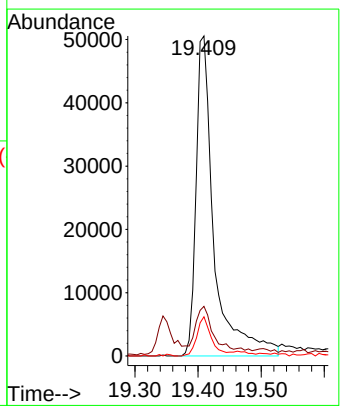
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

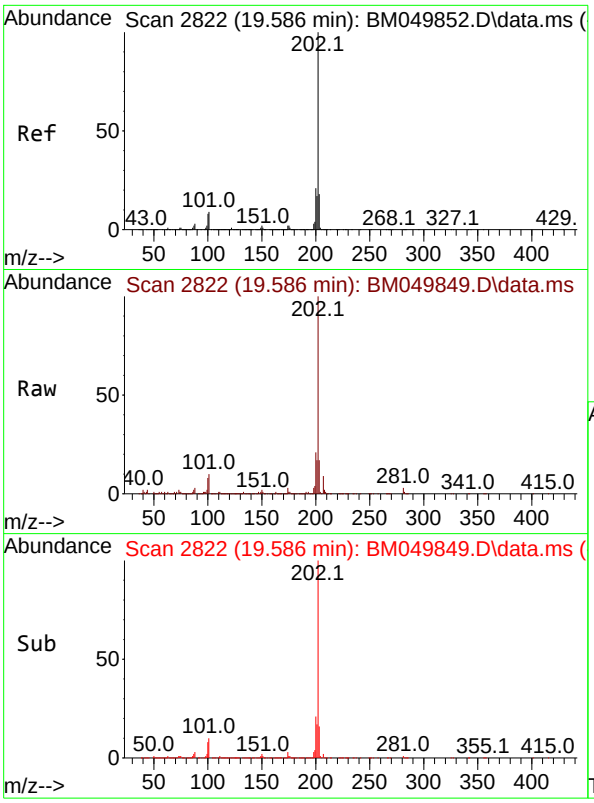


#77
Benzidine
Concen: 6.015 ng
RT: 19.409 min Scan# 2792
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:184 Resp: 100183

Ion	Ratio	Lower	Upper
184	100		
185	15.5	11.4	17.2
183	12.3	8.8	13.2

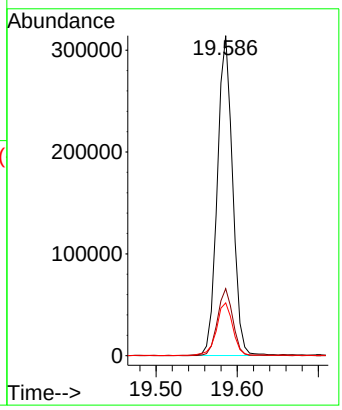




#78
Pyrene
Concen: 4.753 ng
RT: 19.586 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:202 Resp: 41123

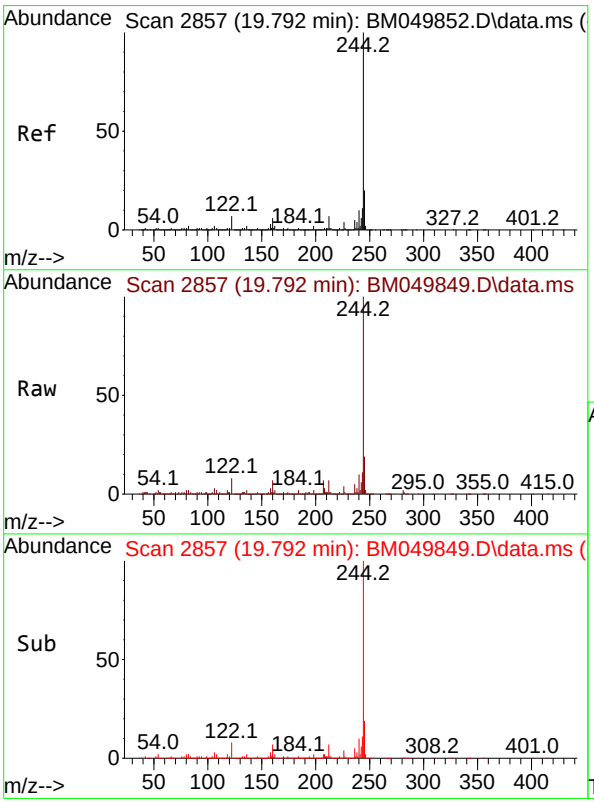
Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.5	24.7
203	16.5	14.0	21.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

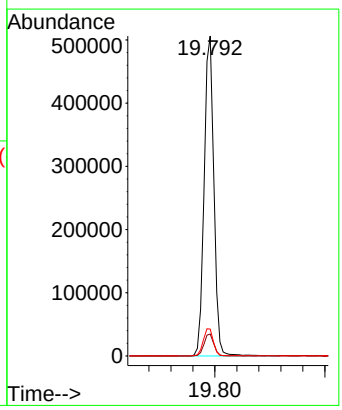
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

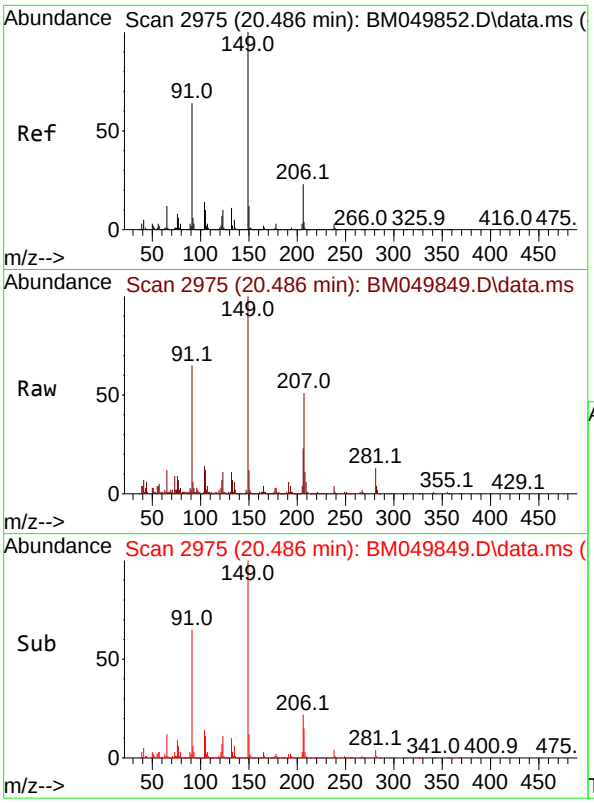


#79
Terphenyl-d14
Concen: 9.258 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:244 Resp: 620191

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	8.4	5.4	8.0#

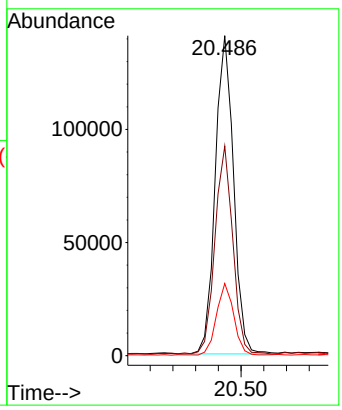




#80
Butylbenzylphthalate
Concen: 4.851 ng
RT: 20.486 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:149 Resp: 15769

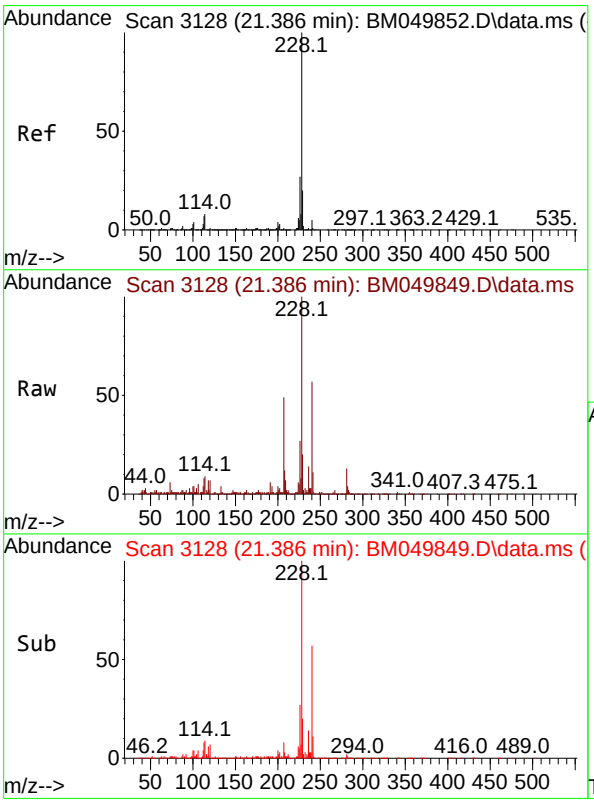
Ion	Ratio	Lower	Upper
149	100		
91	65.5	50.9	76.3
206	22.5	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

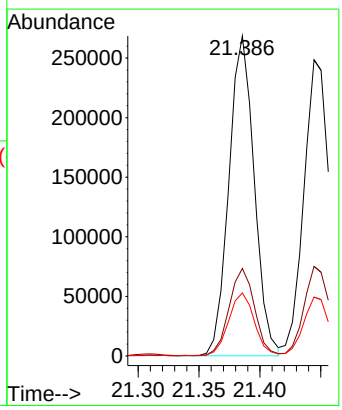
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

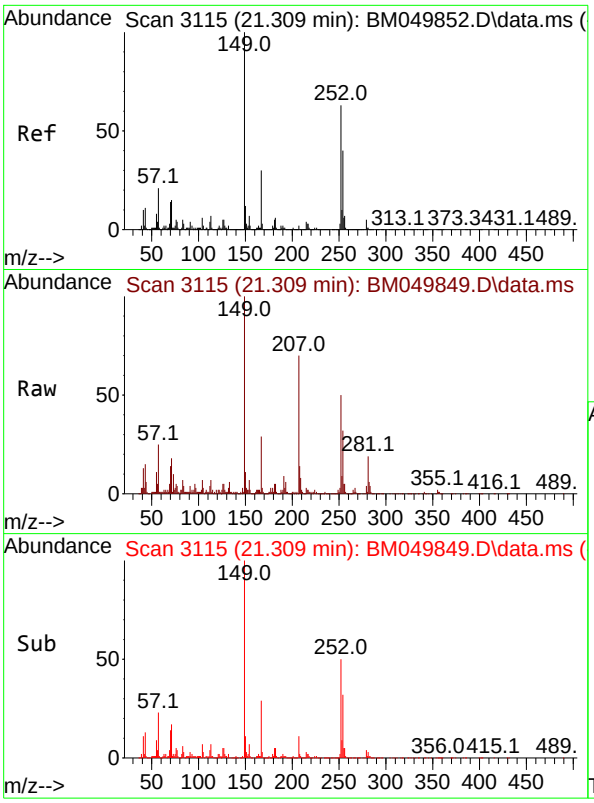


#81
Benzo(a)anthracene
Concen: 4.652 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:228 Resp: 388113

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	19.7	15.8	23.8





#82
3,3'-Dichlorobenzidine
Concen: 4.262 ng
RT: 21.309 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

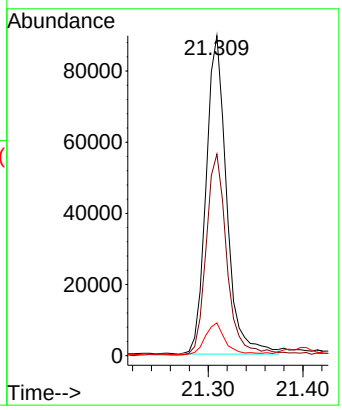
Tgt Ion:252 Resp: 13430

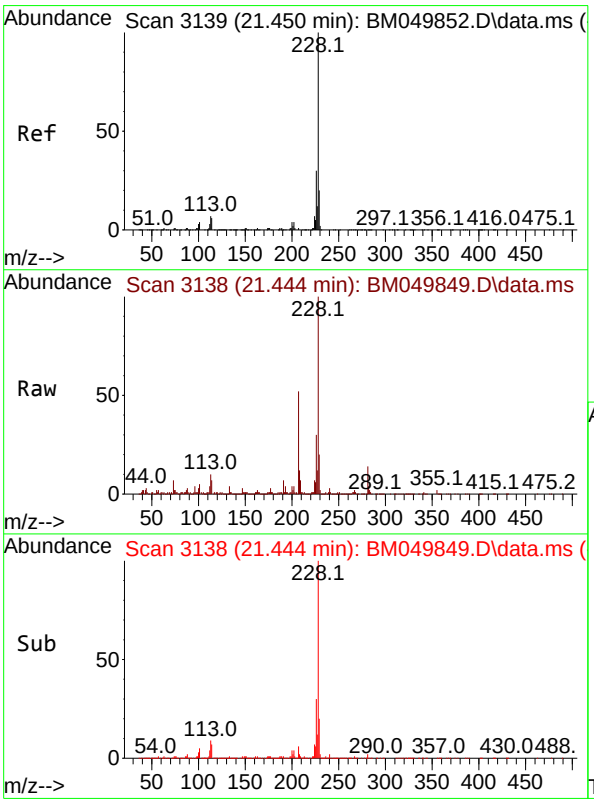
Ion	Ratio	Lower	Upper
252	100		
254	63.0	51.5	77.3
126	10.2	6.3	9.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

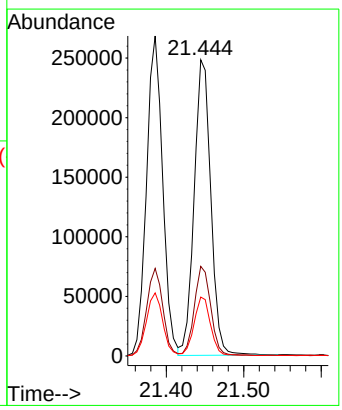


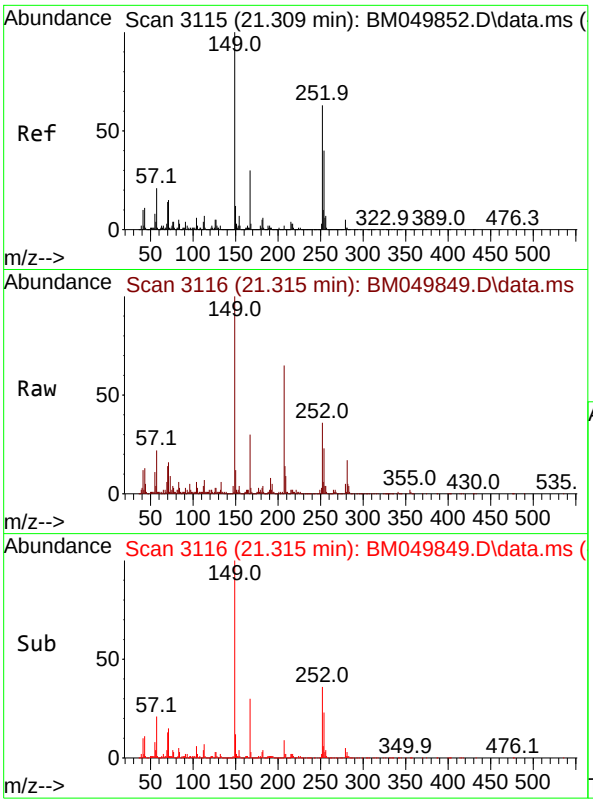


#83
Chrysene
Concen: 4.665 ng
RT: 21.444 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:228 Resp: 370038

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	19.9	15.8	23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.021 ng
RT: 21.315 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

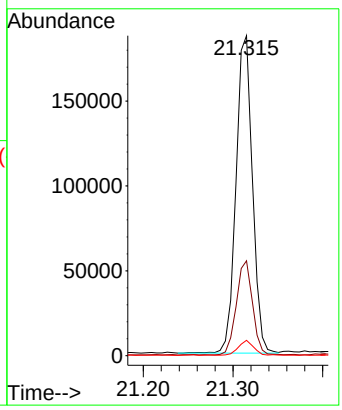
Tgt Ion:149 Resp: 23782

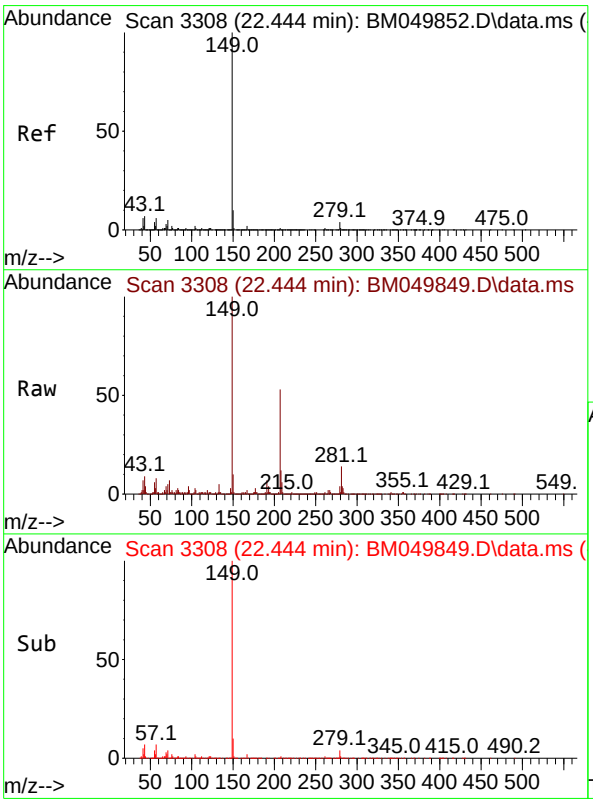
Ion	Ratio	Lower	Upper
149	100		
167	29.7	23.8	35.6
279	4.8	3.8	5.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

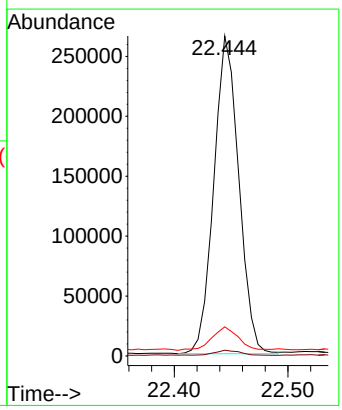


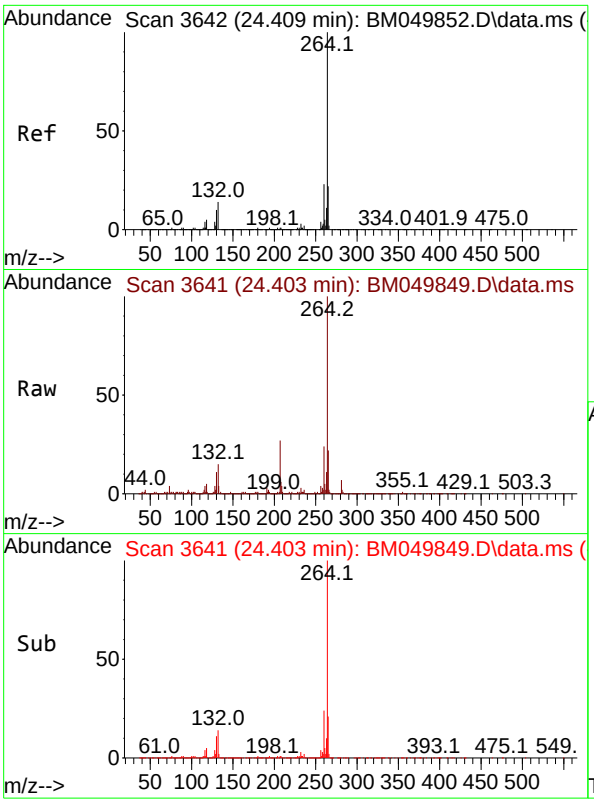


#85
Di-n-octyl phthalate
Concen: 4.889 ng
RT: 22.444 min Scan# 3308
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:149 Resp: 405083

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.8	5.8	8.6

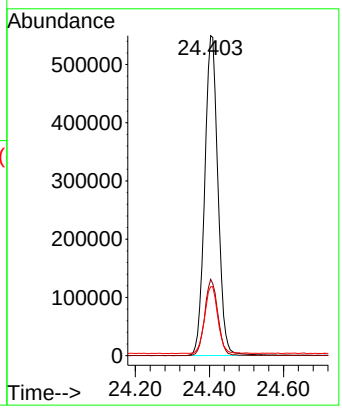




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:264 Resp: 136367

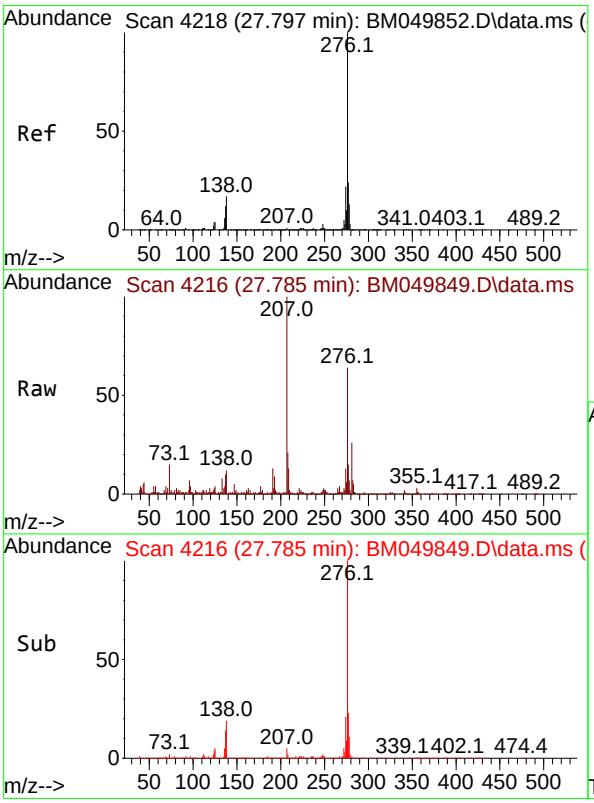
Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	28.0
265	21.6	17.8	26.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

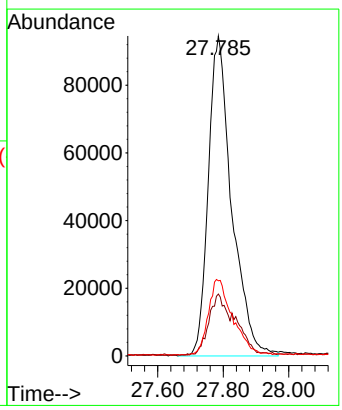
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

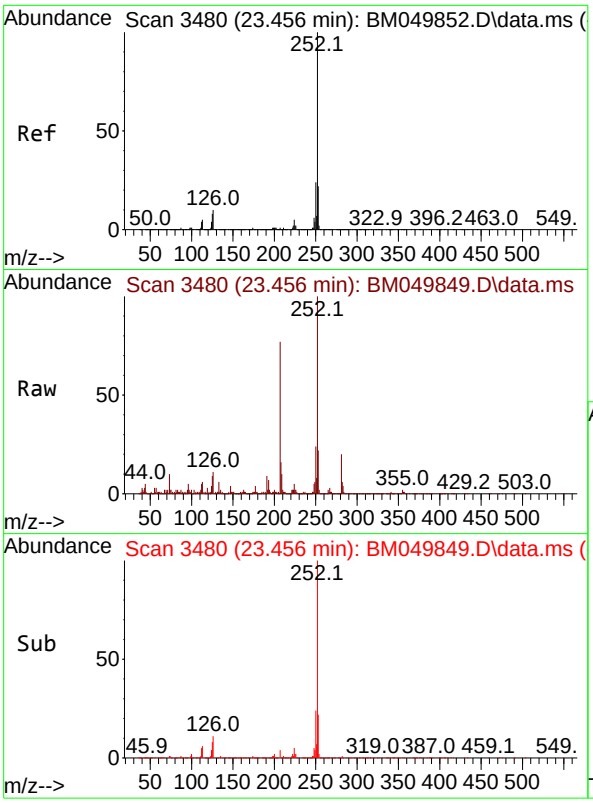


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.612 ng
RT: 27.785 min Scan# 4216
Delta R.T. -0.012 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:276 Resp: 468774

Ion	Ratio	Lower	Upper
276	100		
138	14.5	16.8	25.2#
277	24.3	20.1	30.1

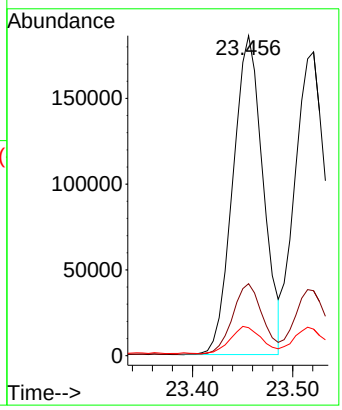




#88
Benzo(b)fluoranthene
Concen: 4.467 ng
RT: 23.456 min Scan# 34
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:252 Resp: 38902

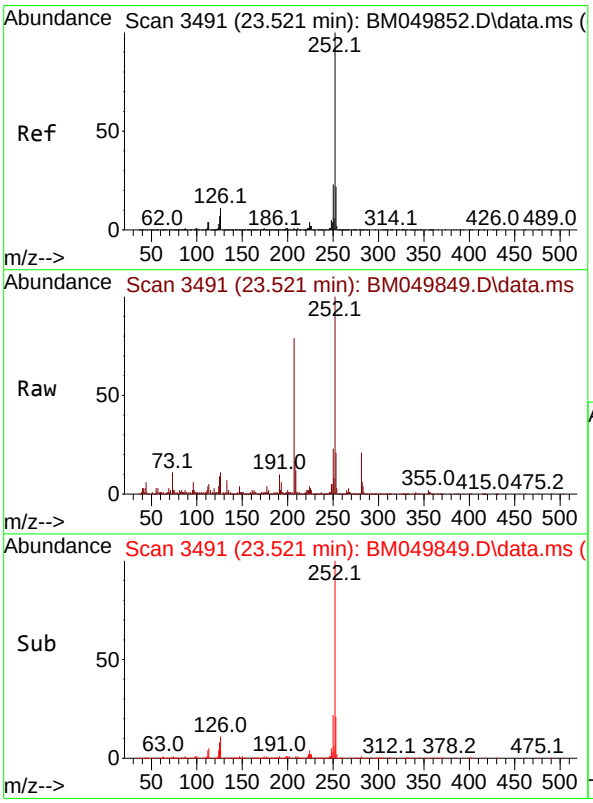
Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	8.7	6.2	9.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

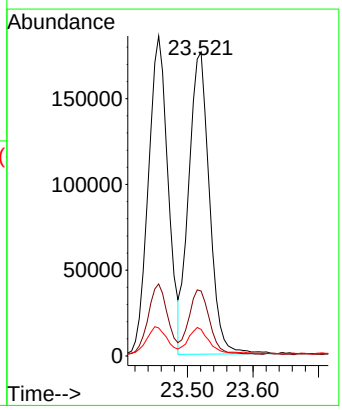
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

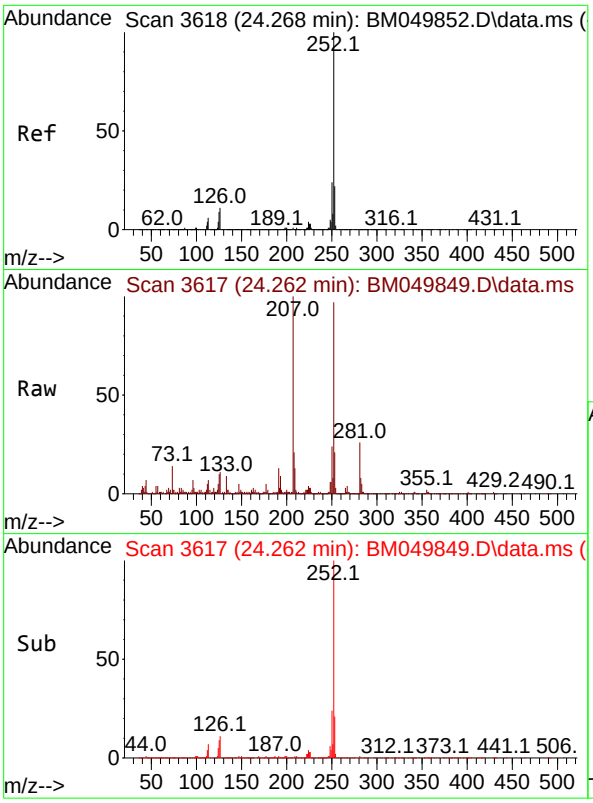


#89
Benzo(k)fluoranthene
Concen: 4.571 ng
RT: 23.521 min Scan# 3491
Delta R.T. -0.000 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:252 Resp: 385821

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	8.7	5.8	8.8

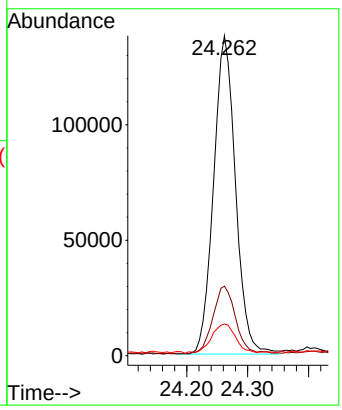




#90
Benzo(a)pyrene
Concen: 4.505 ng
RT: 24.262 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:252 Resp: 34480

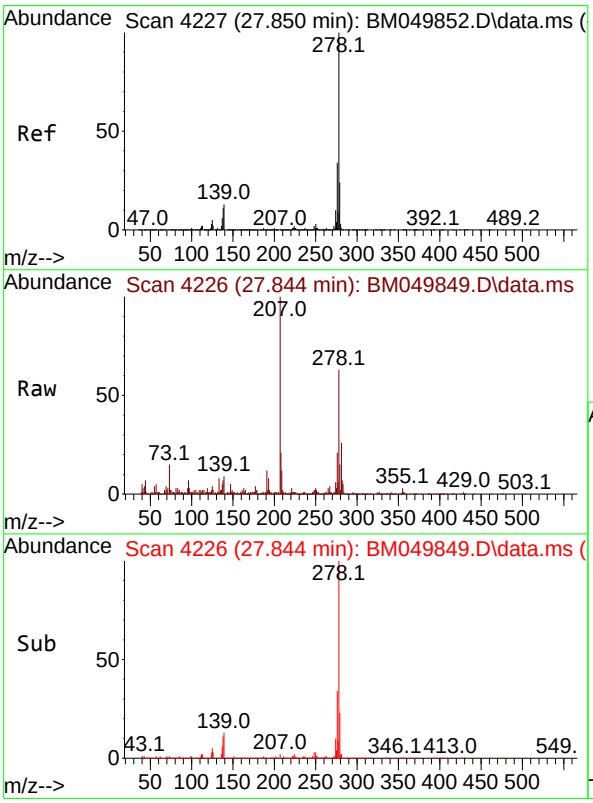
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	9.9	7.0	10.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

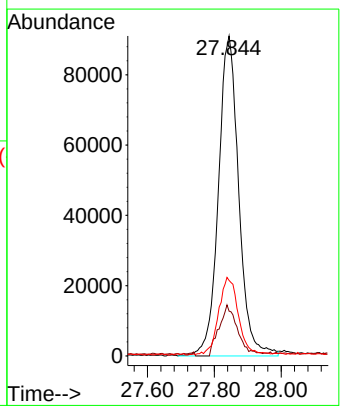
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

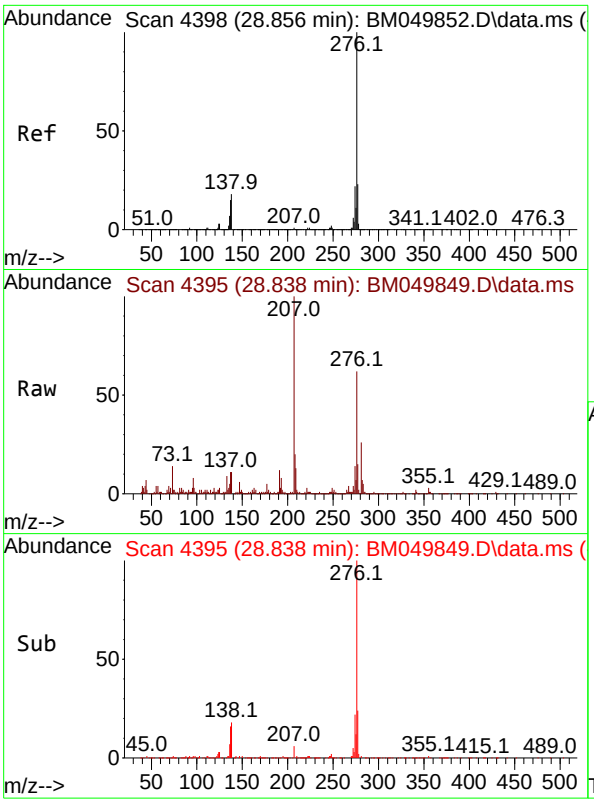


#91
Dibenzo(a,h)anthracene
Concen: 4.595 ng
RT: 27.844 min Scan# 4226
Delta R.T. -0.006 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:278 Resp: 384717

Ion	Ratio	Lower	Upper
278	100		
139	14.0	10.6	15.8
279	23.6	19.1	28.7

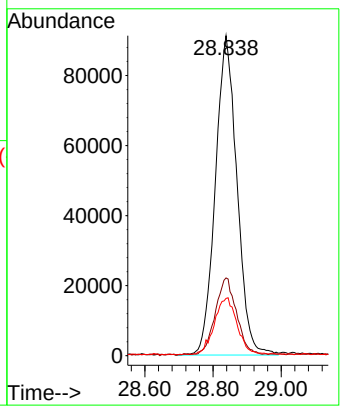




#92
Benzo(g,h,i)perylene
Concen: 4.693 ng
RT: 28.838 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049849.D
Acq: 08 Apr 2025 14:14

Tgt Ion:276 Resp: 40153

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.7	28.1
138	17.9	14.6	21.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049850.D
Acq On : 08 Apr 2025 14:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 03:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	318993	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1091615	20.000	ng		0.00
39) Acenaphthene-d10	14.422	164	671187	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1281742	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1251521	20.000	ng		0.00
86) Perylene-d12	24.403	264	1360976	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	364921	19.426	ng		0.00
7) Phenol-d6	6.951	99	444096	19.001	ng		0.00
23) Nitrobenzene-d5	8.934	82	375019	19.130	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	171135	17.530	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	949122	19.175	ng		0.00
79) Terphenyl-d14	19.792	244	1257136	18.825	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	74941	9.687	ng		99
3) Pyridine	3.669	79	194530	9.574	ng		98
4) n-Nitrosodimethylamine	3.569	42	73514	9.503	ng	#	92
6) Aniline	7.104	93	209739	10.473	ng		98
8) 2-Chlorophenol	7.346	128	189954	9.867	ng		98
9) Benzaldehyde	6.916	77	132319	11.041	ng		97
10) Phenol	6.975	94	218482	9.579	ng		99
11) bis(2-Chloroethyl)ether	7.199	93	172950	9.669	ng		98
12) 1,3-Dichlorobenzene	7.669	146	221893	9.749	ng		99
13) 1,4-Dichlorobenzene	7.816	146	223068	9.740	ng		97
14) 1,2-Dichlorobenzene	8.134	146	211403	9.800	ng		99
15) Benzyl Alcohol	8.016	79	136655	9.285	ng		98
16) 2,2'-oxybis(1-Chloropr...	8.304	45	197037	9.884	ng		98
17) 2-Methylphenol	8.228	107	136469	9.709	ng		98
18) Hexachloroethane	8.857	117	78782	9.888	ng		99
19) n-Nitroso-di-n-propyla...	8.581	70	124842	9.644	ng		99
20) 3+4-Methylphenols	8.551	107	182163	9.506	ng		94
22) Acetophenone	8.598	105	260553	9.821	ng	#	99
24) Nitrobenzene	8.975	77	179572	9.513	ng		99
25) Isophorone	9.504	82	309763	9.433	ng		99
26) 2-Nitrophenol	9.687	139	90001	8.996	ng		98
27) 2,4-Dimethylphenol	9.751	122	105908	9.341	ng		98
28) bis(2-Chloroethoxy)met...	9.987	93	210772	9.587	ng		100
29) 2,4-Dichlorophenol	10.228	162	174408	9.254	ng		98
30) 1,2,4-Trichlorobenzene	10.439	180	207530	9.518	ng		97
31) Naphthalene	10.622	128	540149	9.630	ng		98
32) Benzoic acid	9.828	122	59585m	12.140	ng		
33) 4-Chloroaniline	10.734	127	191655	9.676	ng		100
34) Hexachlorobutadiene	10.916	225	128662	9.540	ng		98
35) Caprolactam	11.492	113	48349	8.944	ng		91
36) 4-Chloro-3-methylphenol	11.863	107	150861	9.138	ng		99
37) 2-Methylnaphthalene	12.239	142	374075	9.465	ng		99
38) 1-Methylnaphthalene	12.457	142	359844	9.346	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	222088	9.458	ng		99
41) Hexachlorocyclopentadiene	12.592	237	74731	9.083	ng		95
43) 2,4,6-Trichlorophenol	12.851	196	141088	9.442	ng		96

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049850.D
Acq On : 08 Apr 2025 14:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 03:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	151683	9.342	ng		96
46) 1,1'-Biphenyl	13.251	154	479426	9.609	ng		99
47) 2-Chloronaphthalene	13.292	162	383880	9.789	ng		99
48) 2-Nitroaniline	13.492	65	81359	8.968	ng		94
49) Acenaphthylene	14.139	152	541476	9.479	ng		100
50) Dimethylphthalate	13.875	163	446549	9.431	ng		99
51) 2,6-Dinitrotoluene	13.992	165	88819	8.953	ng		98
52) Acenaphthene	14.486	154	343452	9.452	ng		98
53) 3-Nitroaniline	14.322	138	84915	8.856	ng	#	96
54) 2,4-Dinitrophenol	14.533	184	32385	11.325	ng		97
55) Dibenzofuran	14.822	168	573562	9.443	ng		99
56) 4-Nitrophenol	14.639	139	71545	8.373	ng		99
57) 2,4-Dinitrotoluene	14.780	165	111615	8.433	ng	#	97
58) Fluorene	15.469	166	448037	9.279	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	133086	9.351	ng		98
60) Diethylphthalate	15.239	149	426265	9.387	ng		100
61) 4-Chlorophenyl-phenyle...	15.463	204	232768	8.992	ng		94
62) 4-Nitroaniline	15.480	138	82838	8.354	ng		95
63) Azobenzene	15.757	77	364112	9.366	ng		98
65) 4,6-Dinitro-2-methylph...	15.545	198	60497	7.490	ng		92
66) n-Nitrosodiphenylamine	15.674	169	370438	9.657	ng		98
67) 4-Bromophenyl-phenylether	16.357	248	135983	9.139	ng		99
68) Hexachlorobenzene	16.474	284	160142	9.383	ng		95
69) Atrazine	16.627	200	113289	11.391	ng		99
70) Pentachlorophenol	16.821	266	119030	9.473	ng		99
71) Phenanthrene	17.204	178	660141	9.394	ng		100
72) Anthracene	17.298	178	643575	9.294	ng		100
73) Carbazole	17.568	167	610225	9.356	ng		100
74) Di-n-butylphthalate	18.133	149	717993	9.557	ng		99
75) Fluoranthene	19.221	202	772987	8.947	ng		98
77) Benzidine	19.404	184	162949	9.814	ng		98
78) Pyrene	19.586	202	800964	9.286	ng		100
80) Butylbenzylphthalate	20.486	149	312899	9.654	ng		99
81) Benzo(a)anthracene	21.386	228	767126	9.223	ng		100
82) 3,3'-Dichlorobenzidine	21.309	252	281424	8.960	ng		98
83) Chrysene	21.445	228	734074	9.283	ng		100
84) Bis(2-ethylhexyl)phtha...	21.309	149	467613	9.903	ng		99
85) Di-n-octyl phthalate	22.445	149	805410	9.750	ng		100
87) Indeno(1,2,3-cd)pyrene	27.785	276	931006	9.177	ng		99
88) Benzo(b)fluoranthene	23.456	252	787043	9.055	ng		99
89) Benzo(k)fluoranthene	23.515	252	763407	9.063	ng		99
90) Benzo(a)pyrene	24.262	252	698269	9.142	ng		98
91) Dibenzo(a,h)anthracene	27.844	278	767800	9.188	ng		98
92) Benzo(g,h,i)perylene	28.832	276	802183	9.394	ng		99

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

ICAL Form

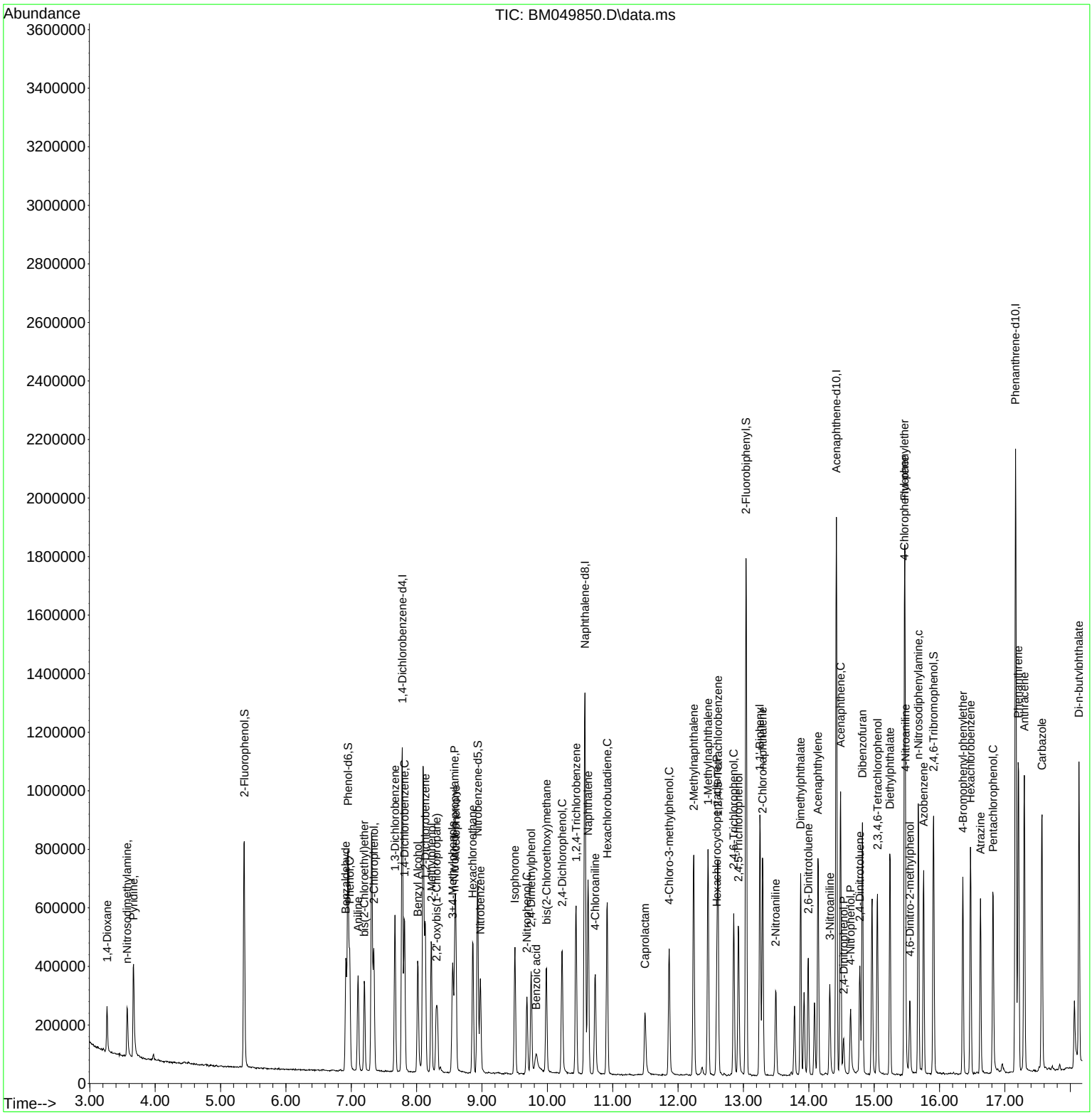
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Acq On : 08 Apr 2025 14:53
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 09 03:00:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



ICAL Form

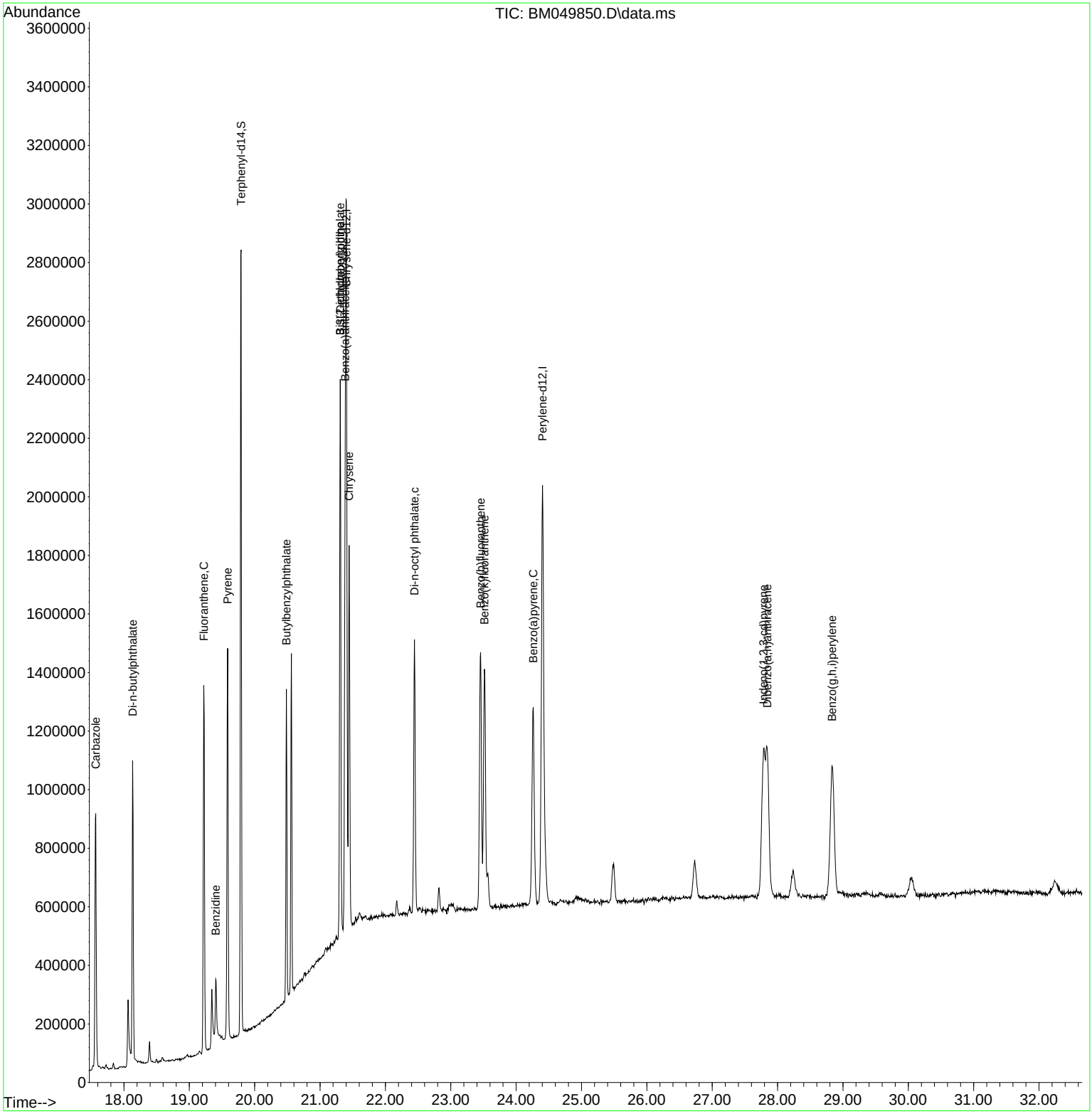
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Sample : SSTDICC010
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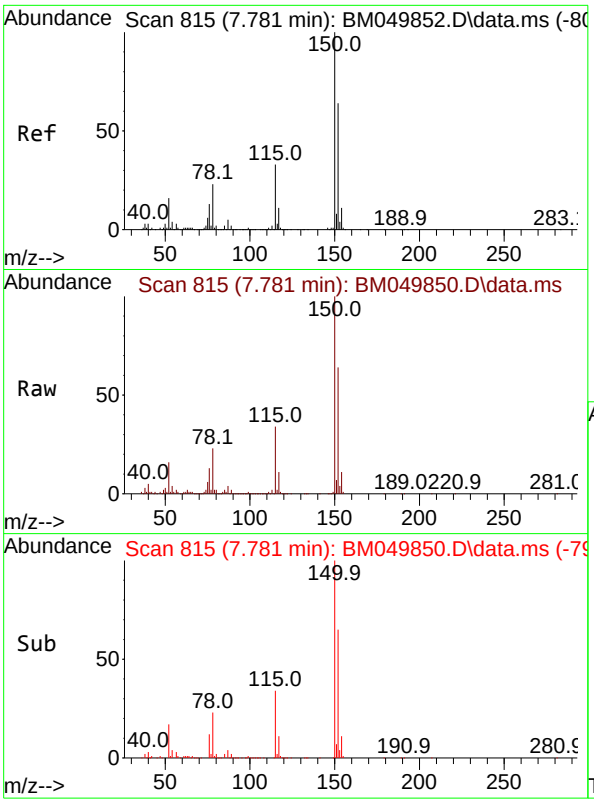
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QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
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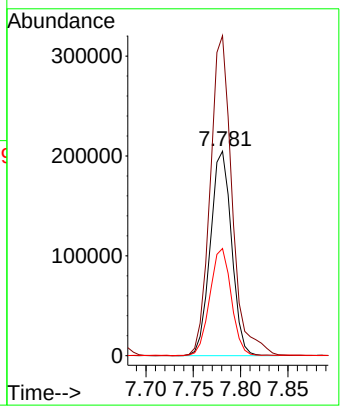




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:152 Resp: 31899

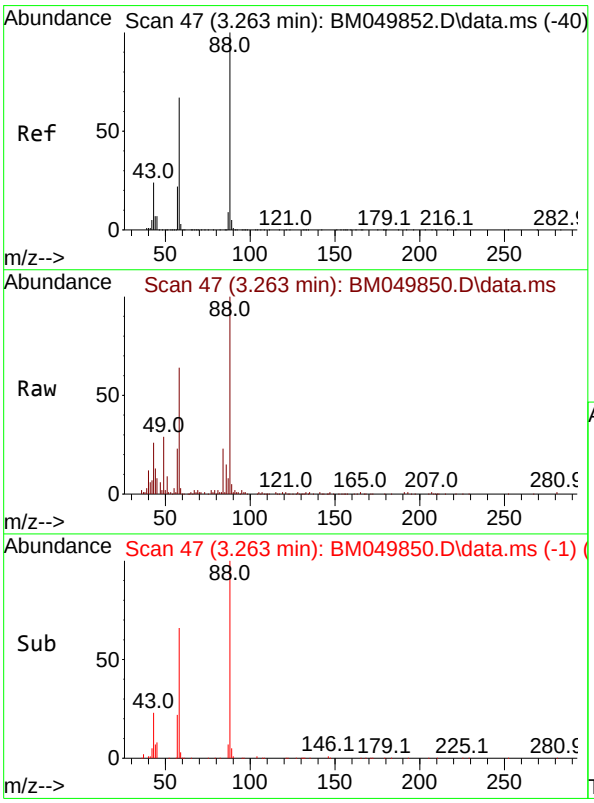
Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.3	186.5
115	52.4	41.1	61.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

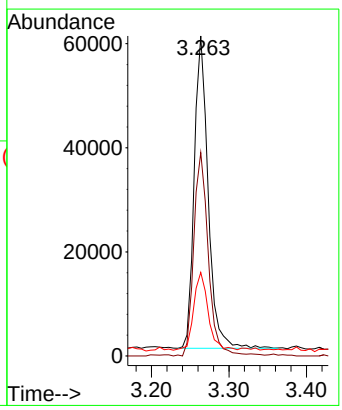
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

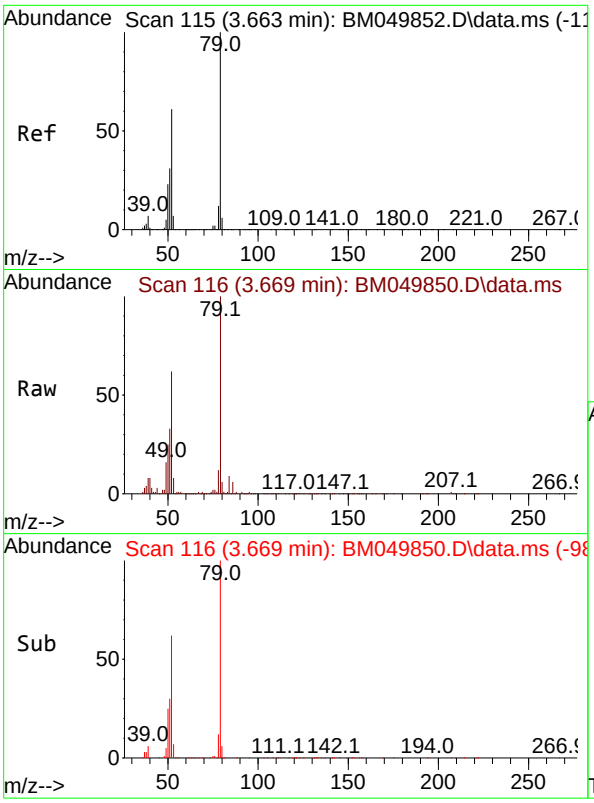


#2
1,4-Dioxane
Concen: 9.687 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 88 Resp: 74941

Ion	Ratio	Lower	Upper
88	100		
58	68.2	54.1	81.1
43	25.7	20.2	30.4

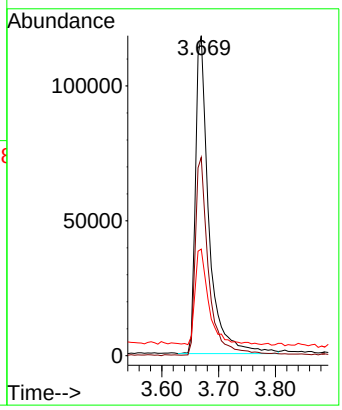




#3
Pyridine
Concen: 9.574 ng
RT: 3.669 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 79 Resp: 19453(

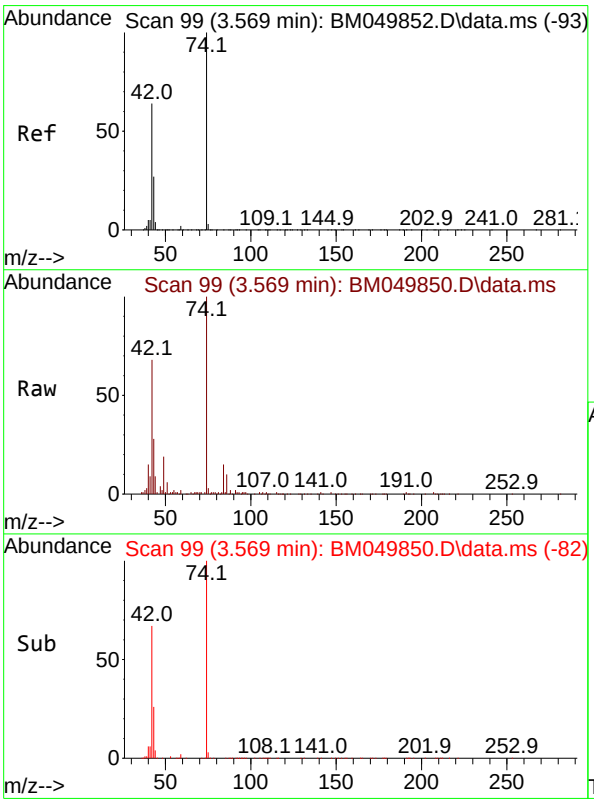
Ion	Ratio	Lower	Upper
79	100		
52	61.9	48.9	73.3
51	33.3	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

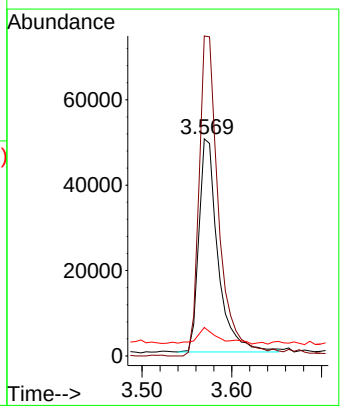
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

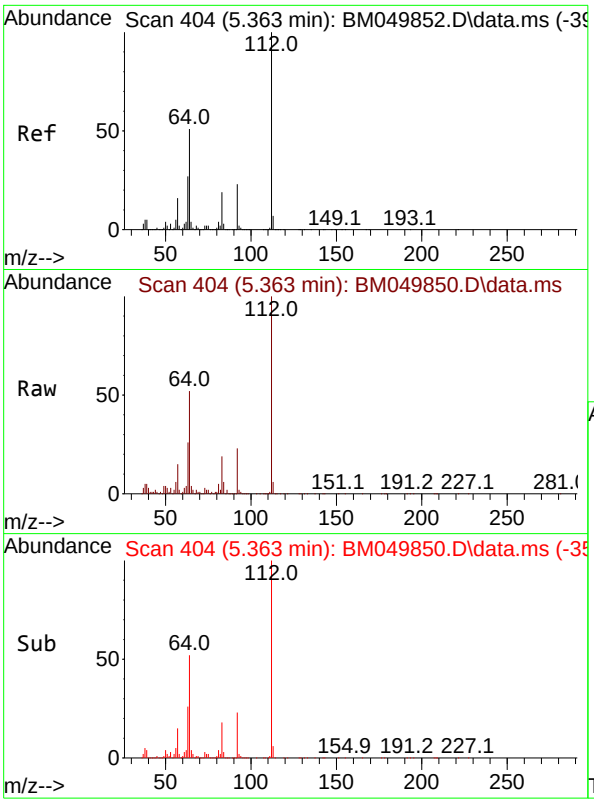


#4
n-Nitrosodimethylamine
Concen: 9.503 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 42 Resp: 73514

Ion	Ratio	Lower	Upper
42	100		
74	147.4	125.4	188.2
44	13.1	5.9	8.9#

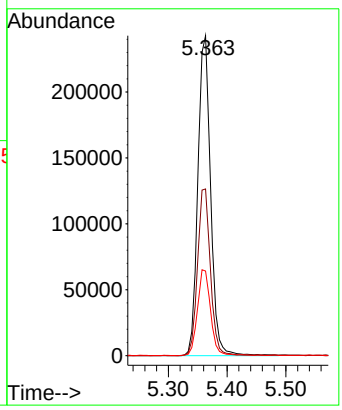




#5
2-Fluorophenol
Concen: 19.426 ng
RT: 5.363 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:112 Resp: 36492

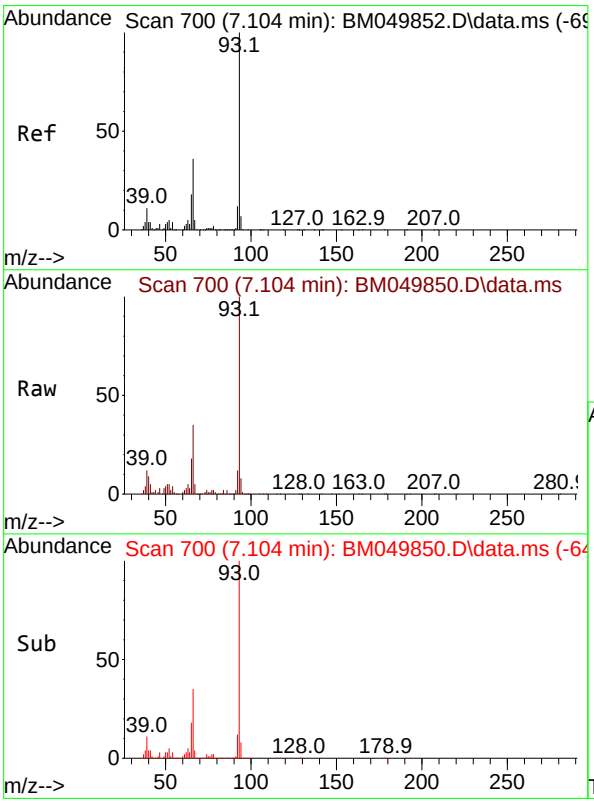
Ion	Ratio	Lower	Upper
112	100		
64	52.1	41.0	61.6
63	26.4	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

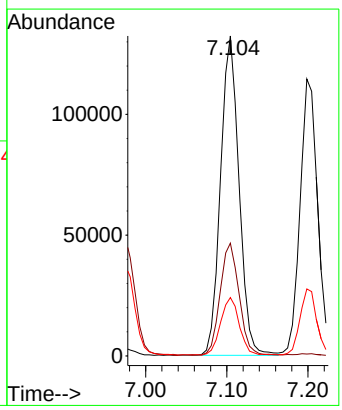
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

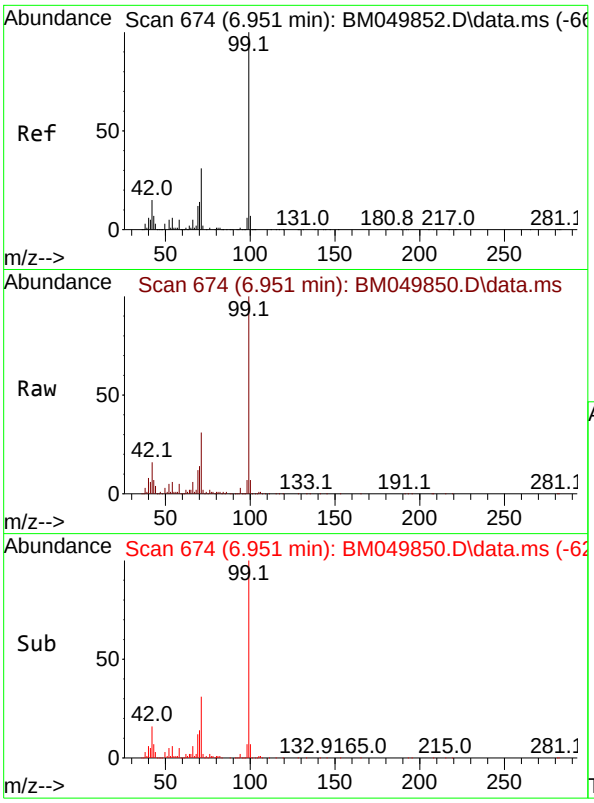


#6
Aniline
Concen: 10.473 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 93 Resp: 209739

Ion	Ratio	Lower	Upper
93	100		
66	35.2	29.1	43.7
65	18.2	14.9	22.3

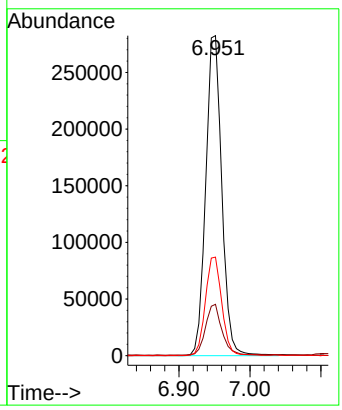




#7
Phenol-d6
Concen: 19.001 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 99 Resp: 44409

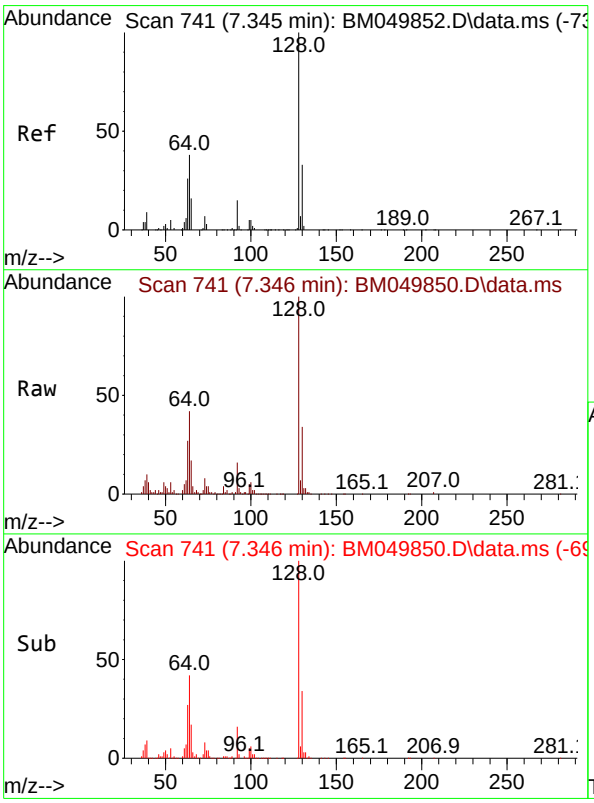
Ion	Ratio	Lower	Upper
99	100		
42	16.0	12.1	18.1
71	30.8	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

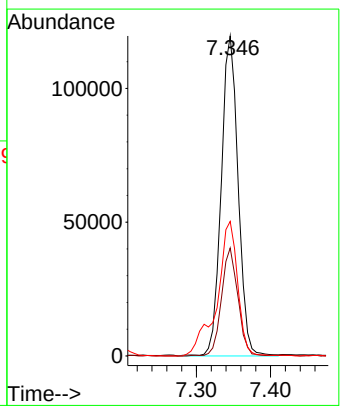
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

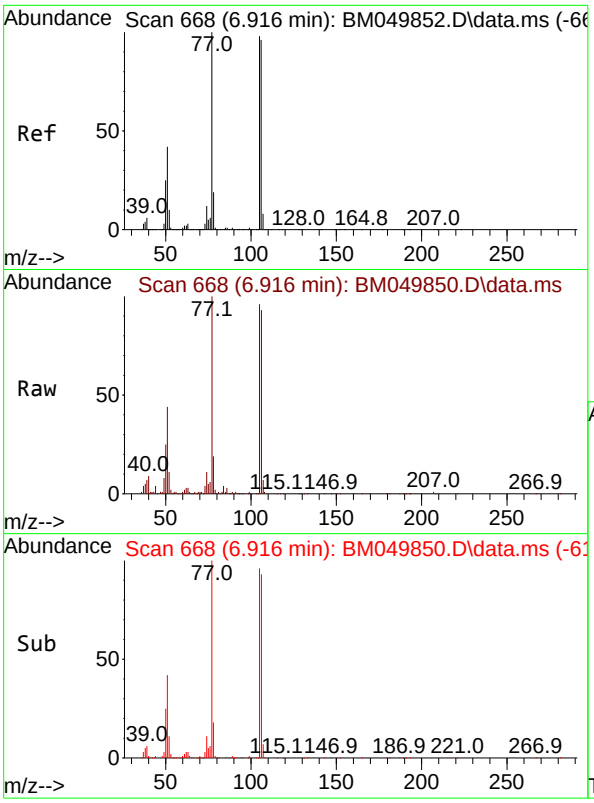


#8
2-Chlorophenol
Concen: 9.867 ng
RT: 7.346 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:128 Resp: 189954

Ion	Ratio	Lower	Upper
128	100		
130	33.7	12.6	52.6
64	42.1	21.1	61.1

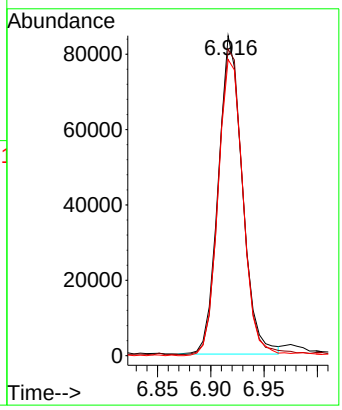




#9
Benzaldehyde
Concen: 11.041 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 77 Resp: 13231

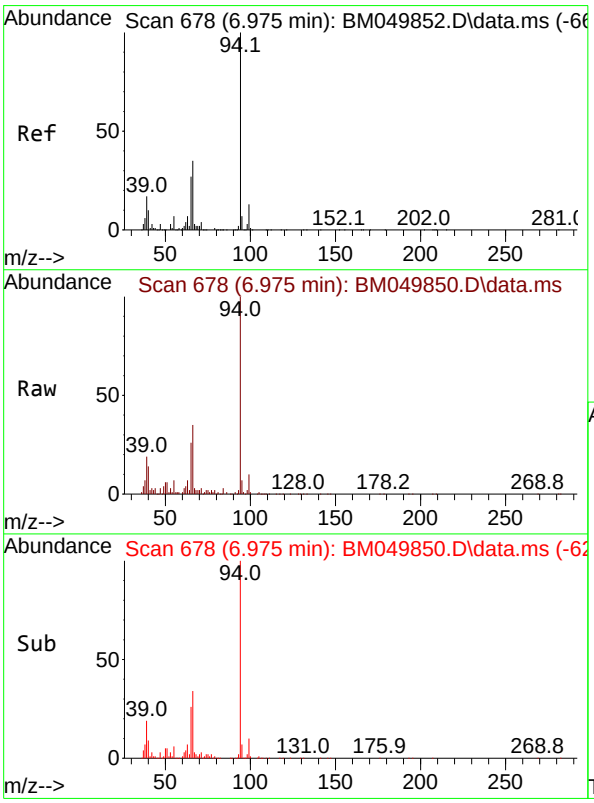
Ion	Ratio	Lower	Upper
77	100		
105	95.7	78.3	118.3
106	92.6	76.0	116.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

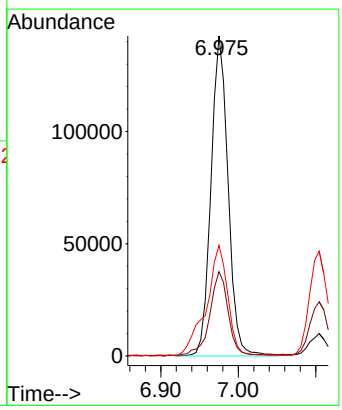
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

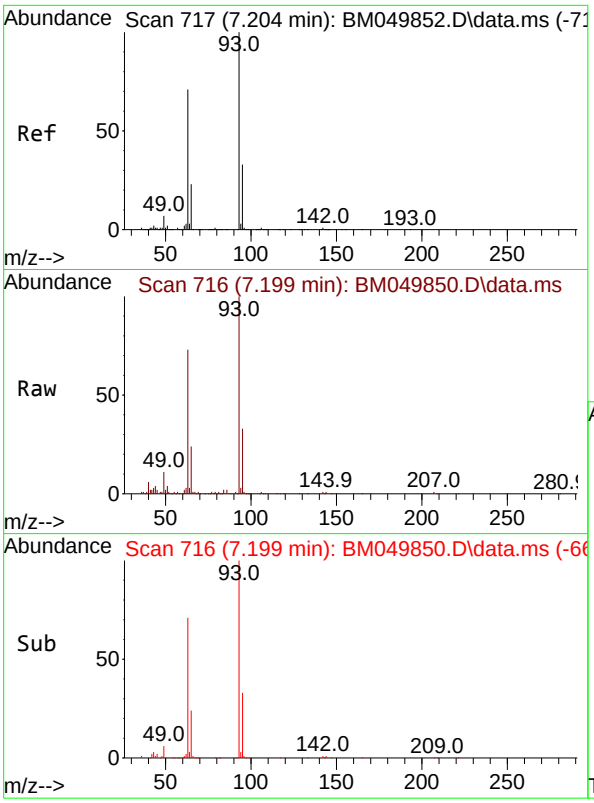


#10
Phenol
Concen: 9.579 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 94 Resp: 218482

Ion	Ratio	Lower	Upper
94	100		
65	26.3	7.3	47.3
66	34.6	14.8	54.8





#11
bis(2-Chloroethyl)ether
Concen: 9.669 ng
RT: 7.199 min Scan# 7
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

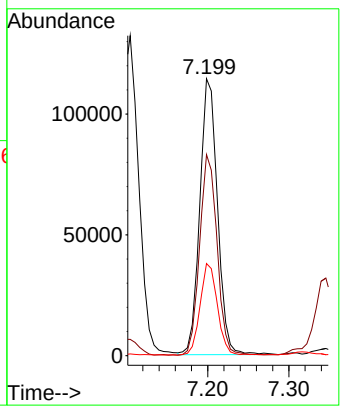
Tgt Ion: 93 Resp: 17295

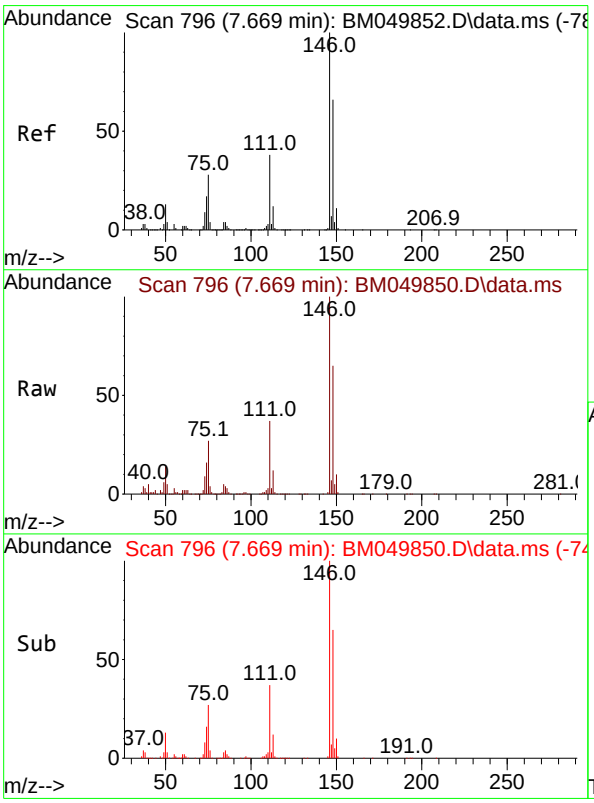
Ion	Ratio	Lower	Upper
93	100		
63	72.6	50.9	90.9
95	33.3	12.6	52.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

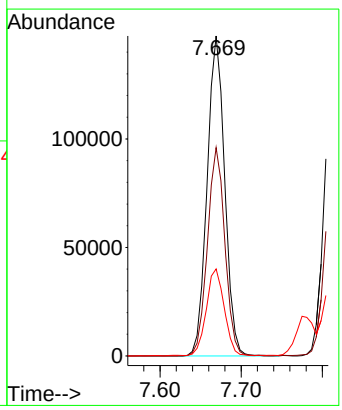


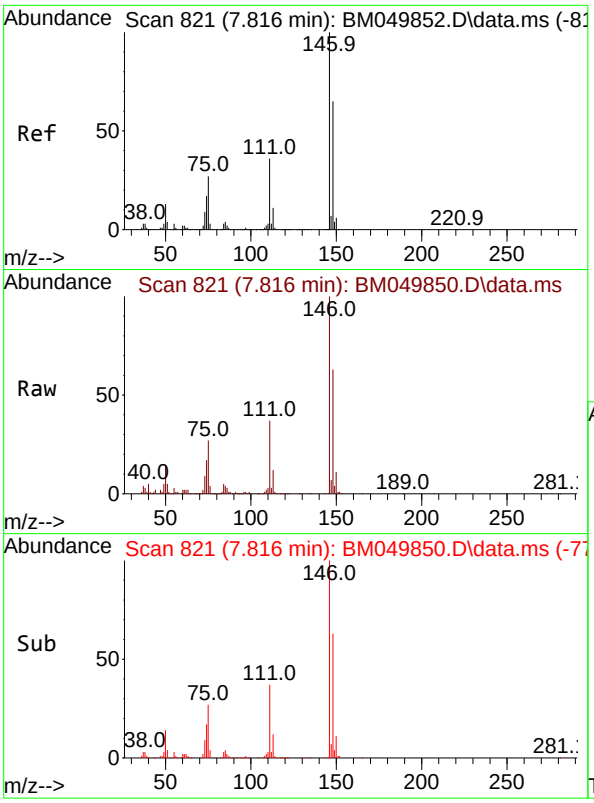


#12
1,3-Dichlorobenzene
Concen: 9.749 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:146 Resp: 221893

Ion	Ratio	Lower	Upper
146	100		
148	65.1	52.5	78.7
75	27.2	22.5	33.7

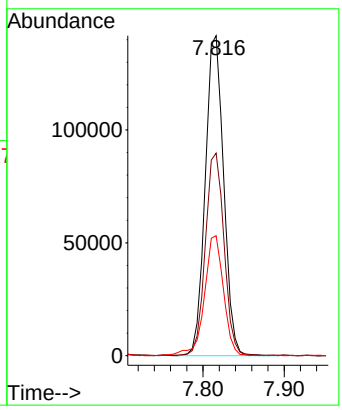




#13
1,4-Dichlorobenzene
Concen: 9.740 ng
RT: 7.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:146 Resp: 22306

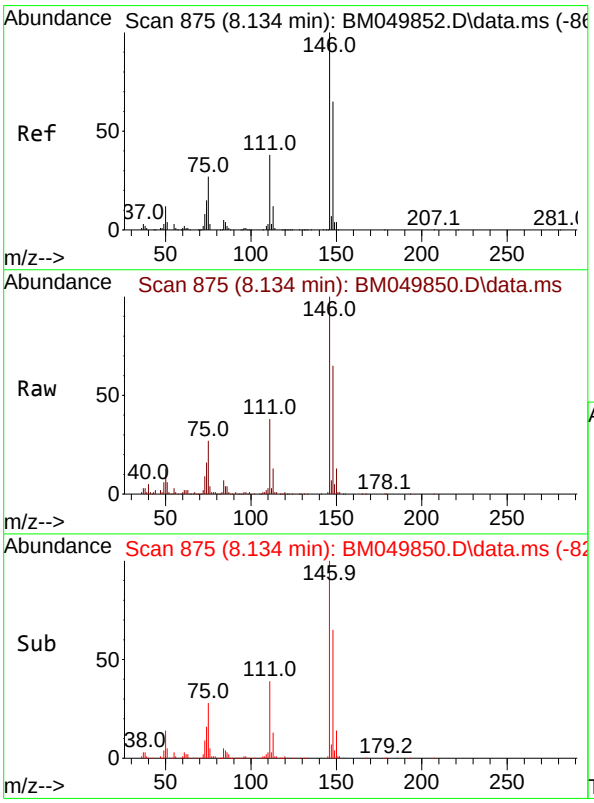
Ion	Ratio	Lower	Upper
146	100		
148	63.3	52.4	78.6
111	37.5	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

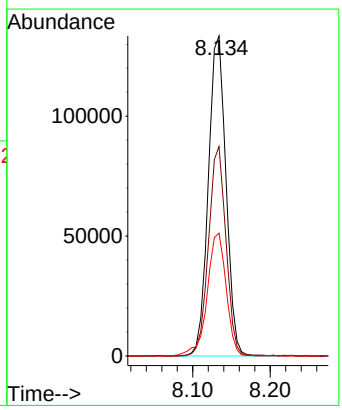
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

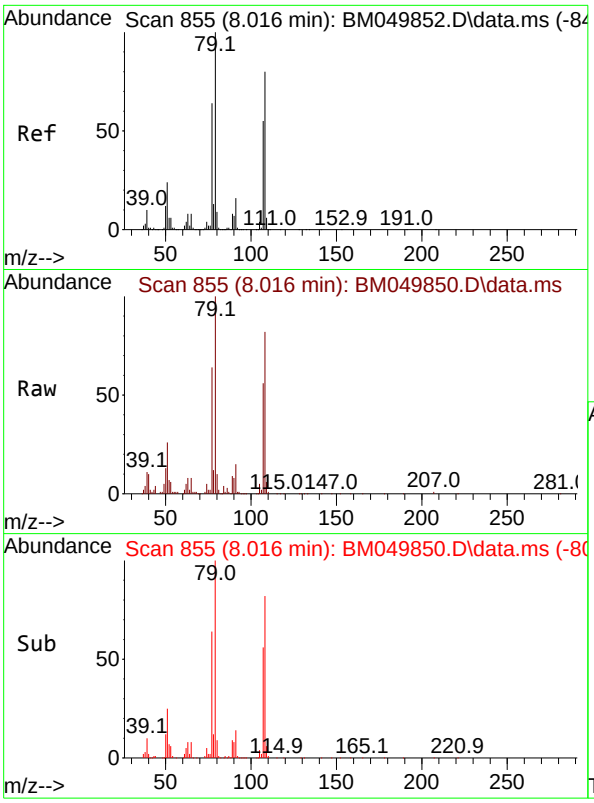


#14
1,2-Dichlorobenzene
Concen: 9.800 ng
RT: 8.134 min Scan# 875
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:146 Resp: 211403

Ion	Ratio	Lower	Upper
146	100		
148	65.5	51.8	77.8
111	38.4	30.2	45.4





#15
Benzyl Alcohol
Concen: 9.285 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

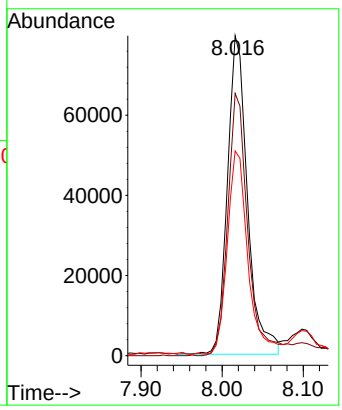
Tgt Ion: 79 Resp: 13665

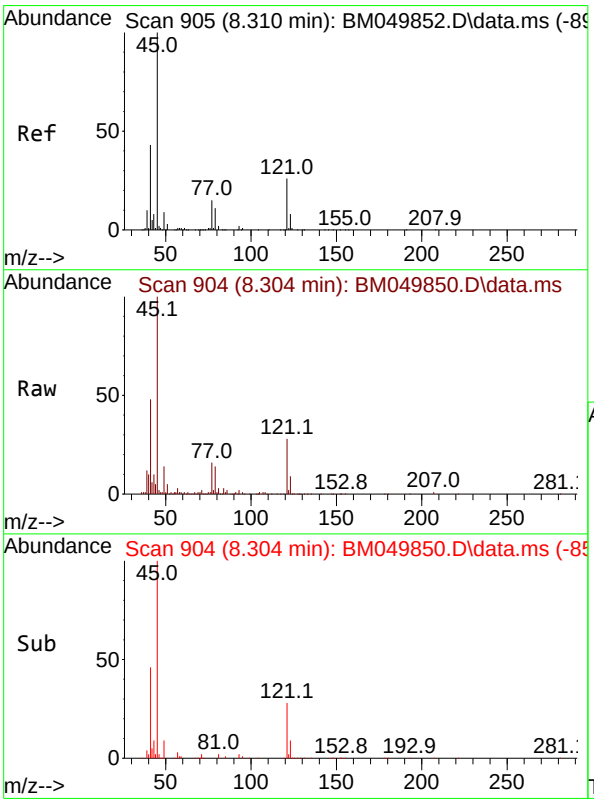
Ion	Ratio	Lower	Upper
79	100		
108	82.0	63.6	95.4
77	64.0	51.3	76.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

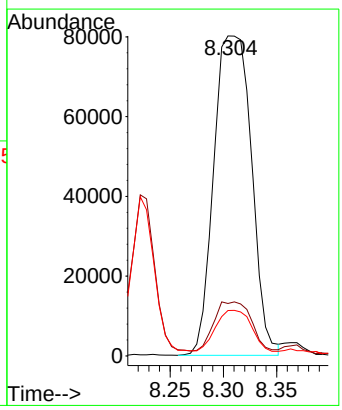


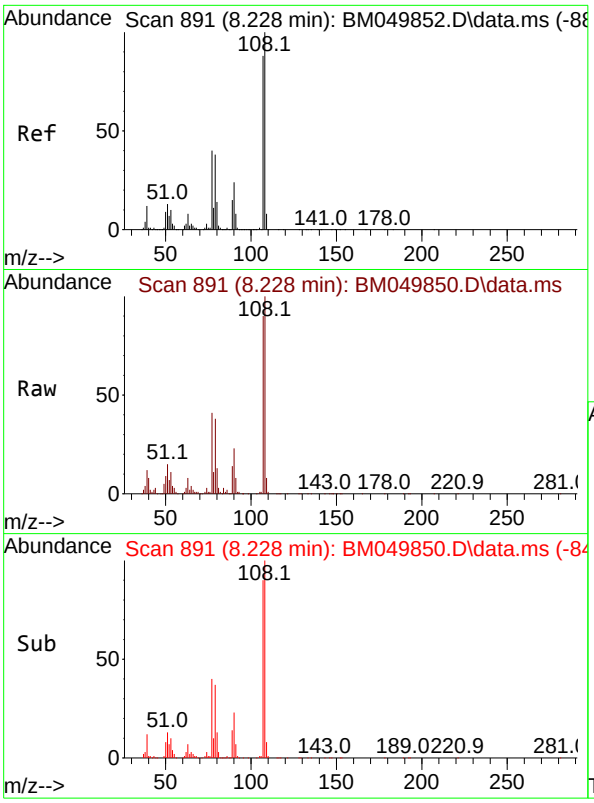


#16
2,2'-oxybis(1-Chloropropane)
Concen: 9.884 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 45 Resp: 197037

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.9
79	14.2	0.0	32.9

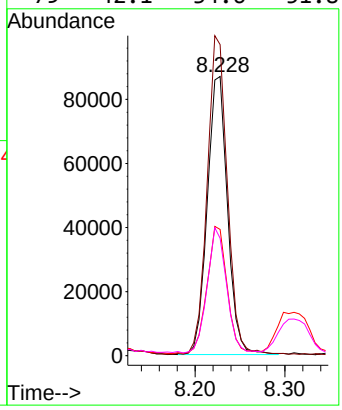




#17
2-Methylphenol
Concen: 9.709 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:107 Resp: 13646

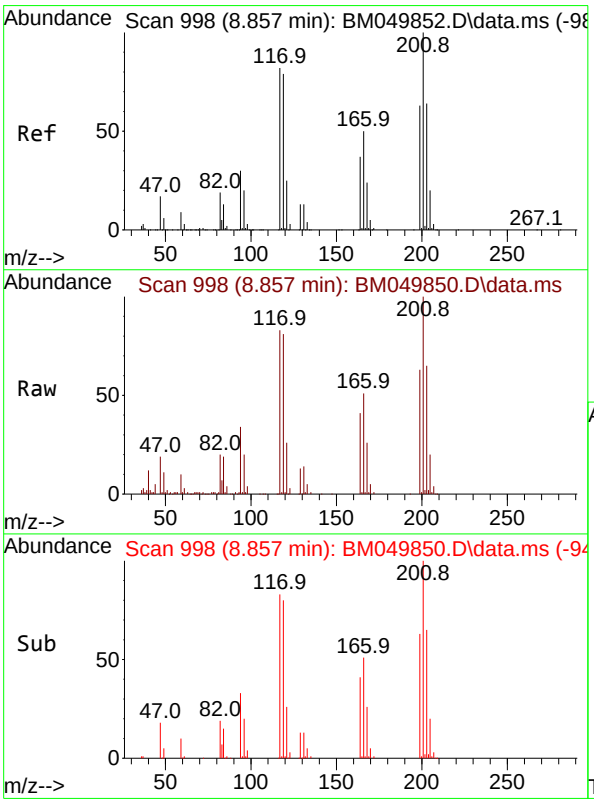
Ion	Ratio	Lower	Upper
107	100		
108	111.4	91.0	136.6
77	45.2	36.5	54.7
79	42.1	34.6	51.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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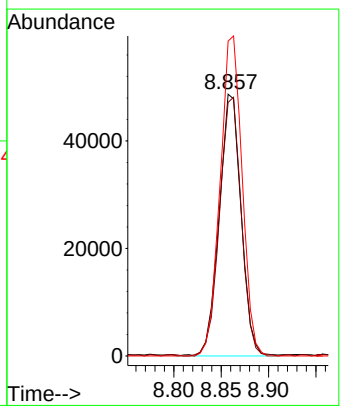
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

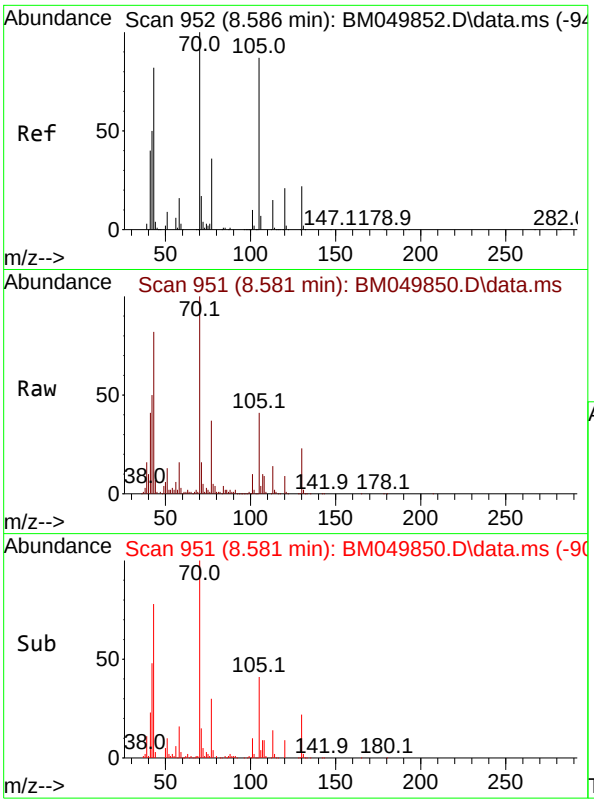


#18
Hexachloroethane
Concen: 9.888 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:117 Resp: 78782

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
201	120.3	97.7	146.5

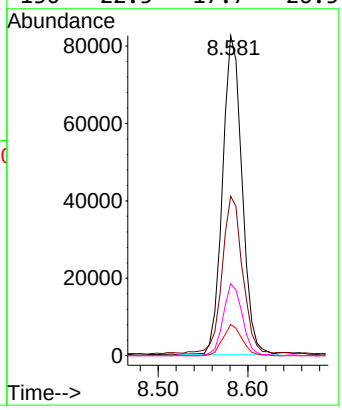




#19
n-Nitroso-di-n-propylamine
Concen: 9.644 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 70 Resp: 12484

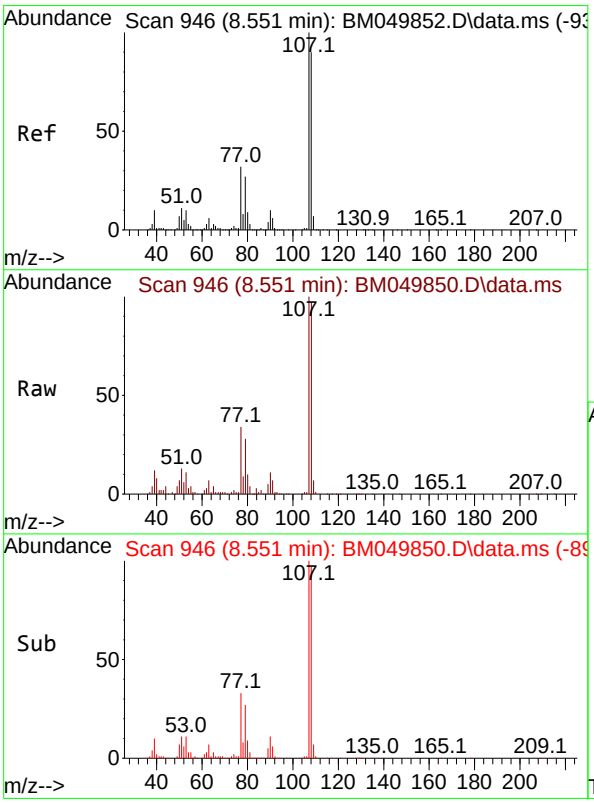
Ion	Ratio	Lower	Upper
70	100		
42	49.9	40.2	60.2
101	9.7	7.9	11.9
130	22.5	17.7	26.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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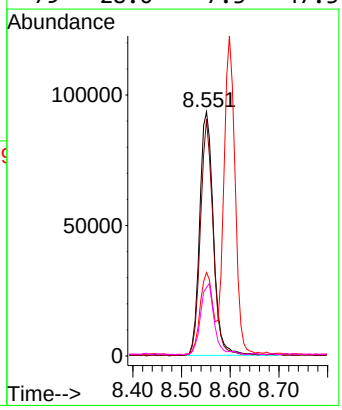
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

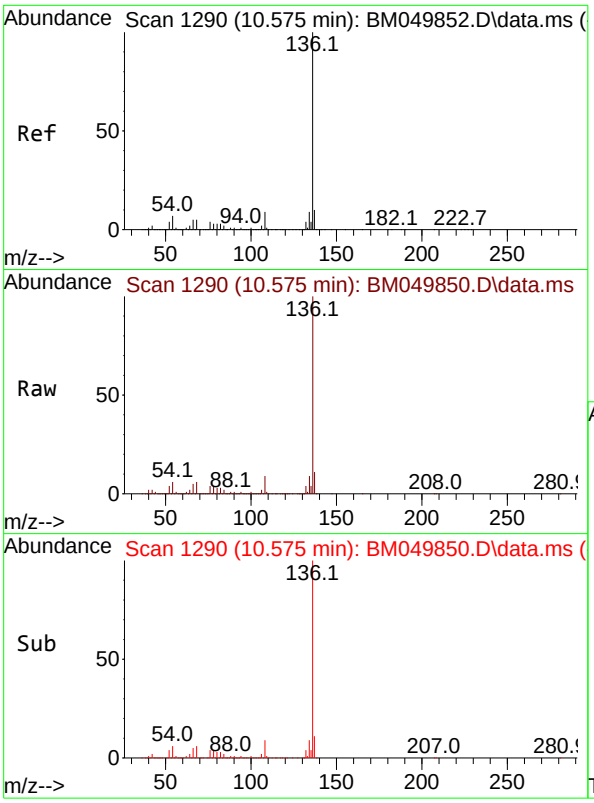


#20
3+4-Methylphenols
Concen: 9.506 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:107 Resp: 182163

Ion	Ratio	Lower	Upper
107	100		
108	96.8	69.6	109.6
77	34.2	11.7	51.7
79	28.0	7.3	47.3

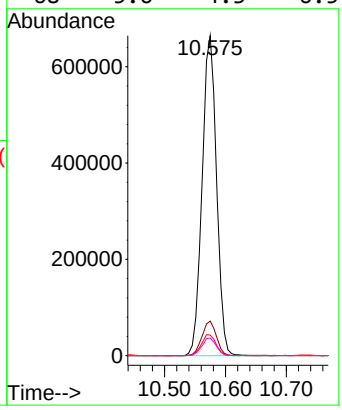




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:136 Resp: 109161

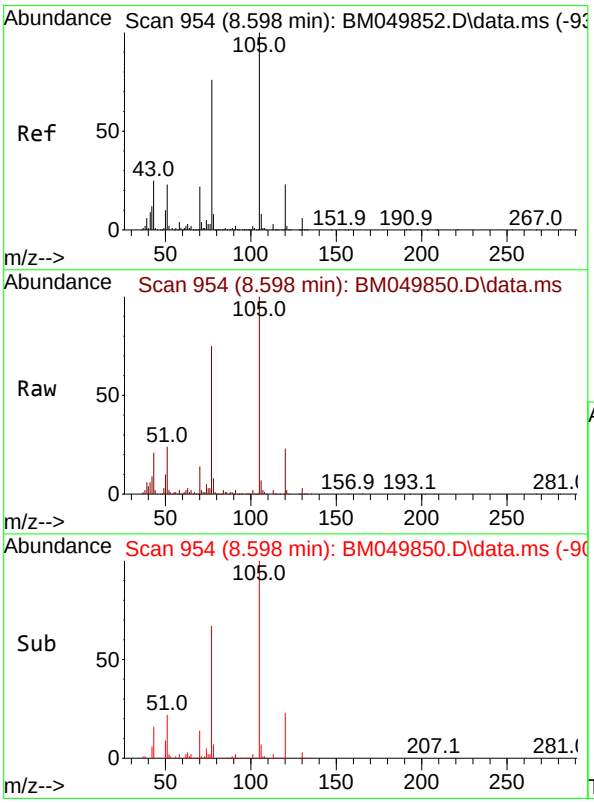
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.5	5.3	7.9
68	5.6	4.3	6.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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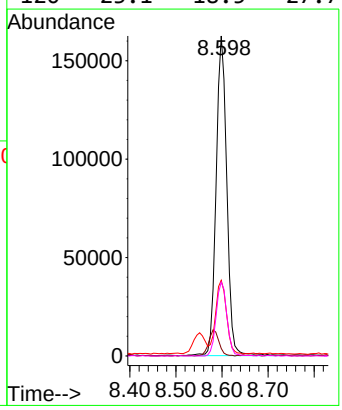
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

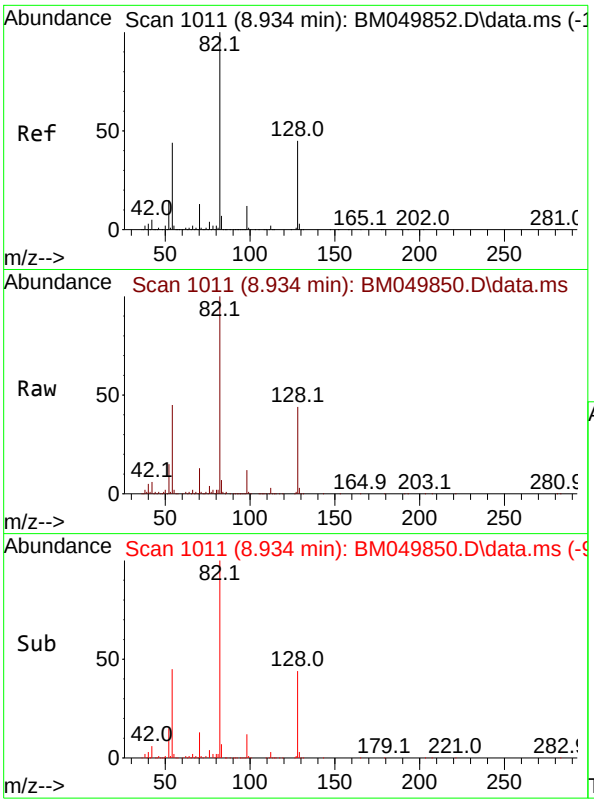


#22
Acetophenone
Concen: 9.821 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:105 Resp: 260553

Ion	Ratio	Lower	Upper
105	100		
71	2.4	3.0	4.4#
51	23.7	18.6	27.8
120	23.1	18.5	27.7





#23
Nitrobenzene-d5
Concen: 19.130 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

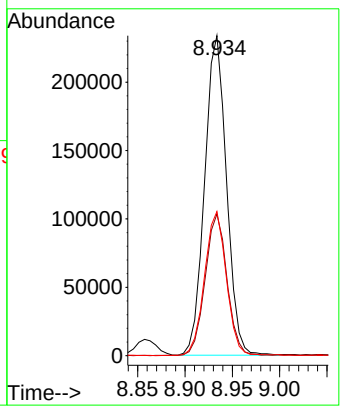
Tgt Ion: 82 Resp: 375019

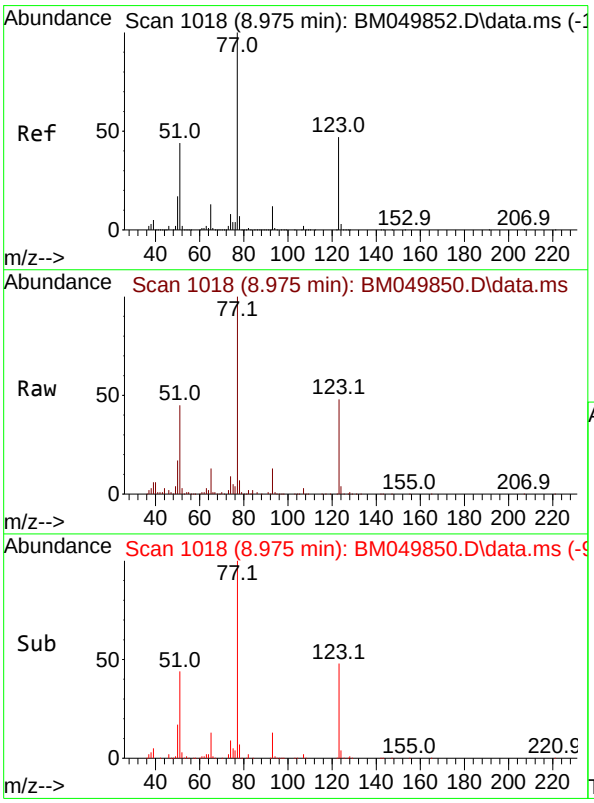
Ion	Ratio	Lower	Upper
82	100		
128	44.3	36.2	54.2
54	45.1	35.0	52.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

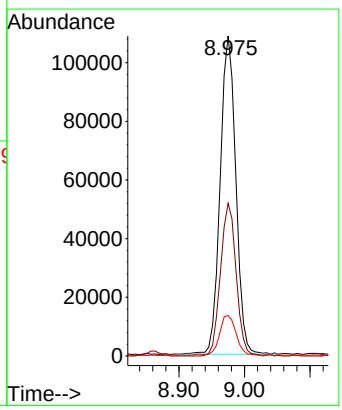


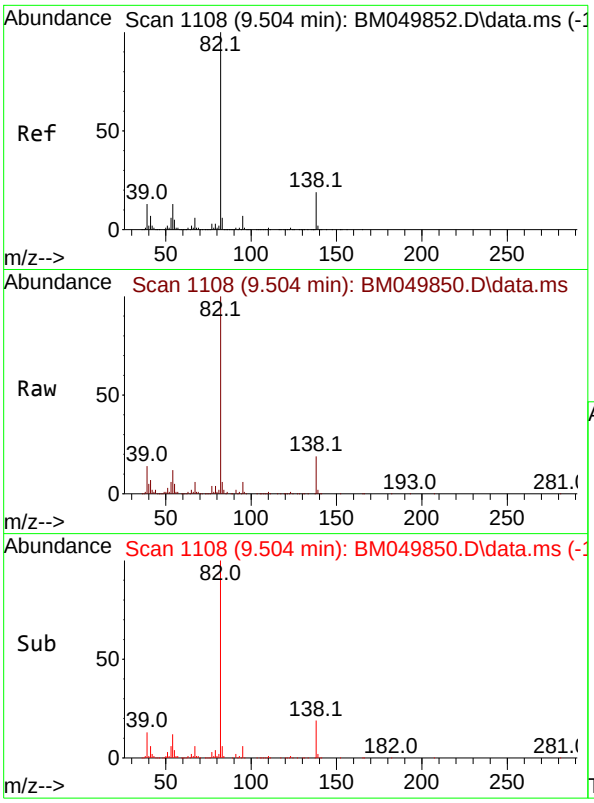


#24
Nitrobenzene
Concen: 9.513 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 77 Resp: 179572

Ion	Ratio	Lower	Upper
77	100		
123	47.7	37.4	56.2
65	12.6	10.1	15.1





#25
Isophorone
Concen: 9.433 ng
RT: 9.504 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

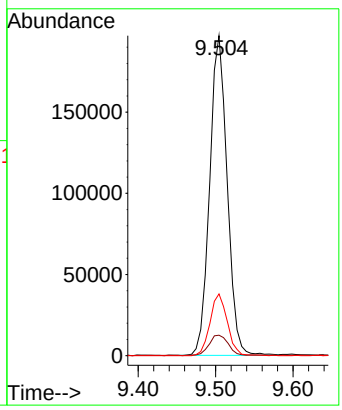
Tgt Ion: 82 Resp: 30976

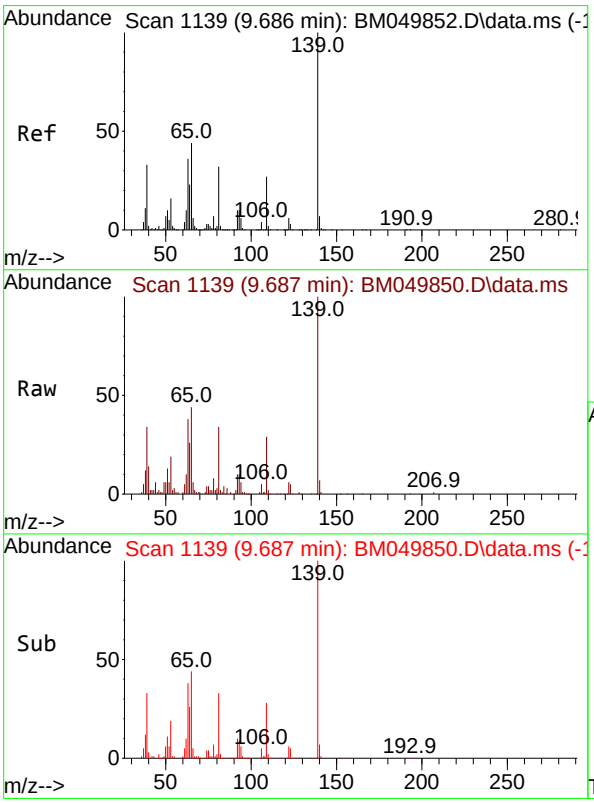
Ion	Ratio	Lower	Upper
82	100		
95	6.4	5.4	8.2
138	19.3	15.0	22.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

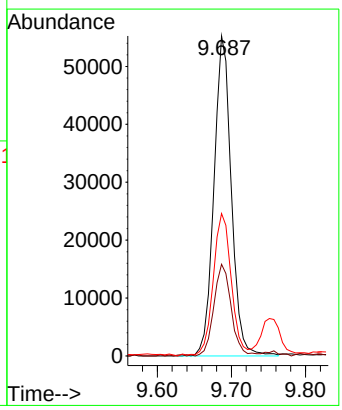


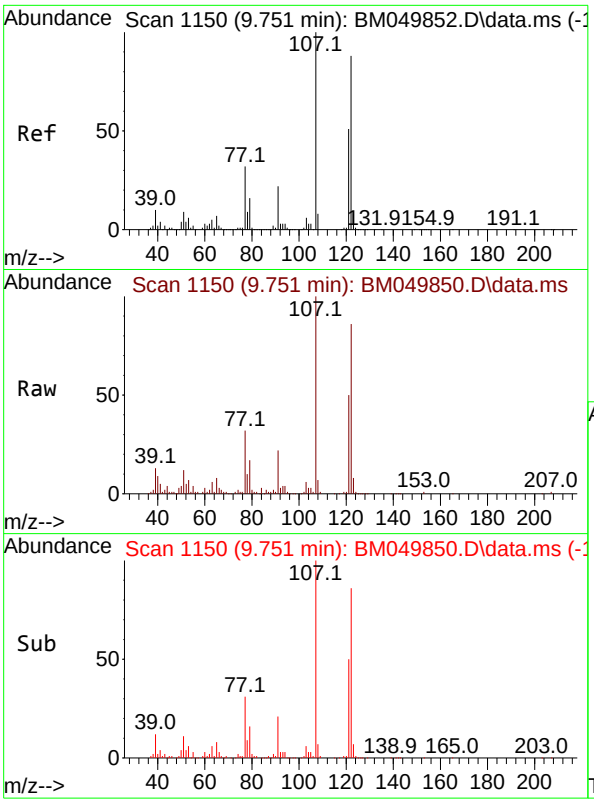


#26
2-Nitrophenol
Concen: 8.996 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:139 Resp: 90001

Ion	Ratio	Lower	Upper
139	100		
109	28.6	21.7	32.5
65	44.5	35.2	52.8

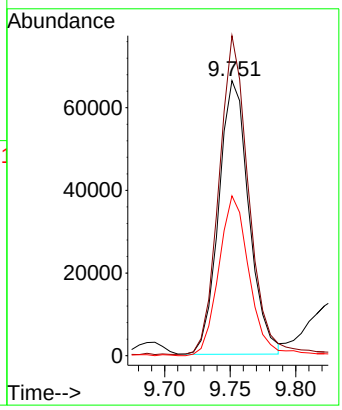




#27
2,4-Dimethylphenol
Concen: 9.341 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:122 Resp: 10590

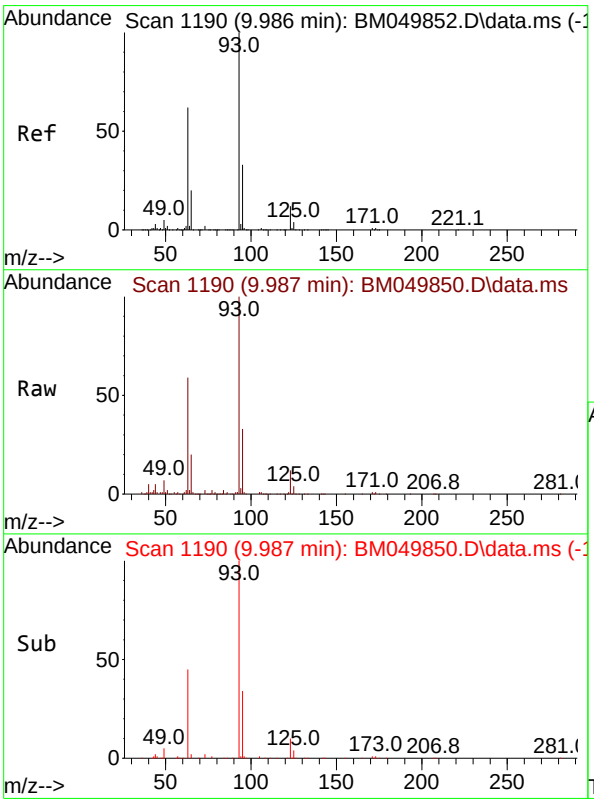
Ion	Ratio	Lower	Upper
122	100		
107	116.4	90.3	135.5
121	58.1	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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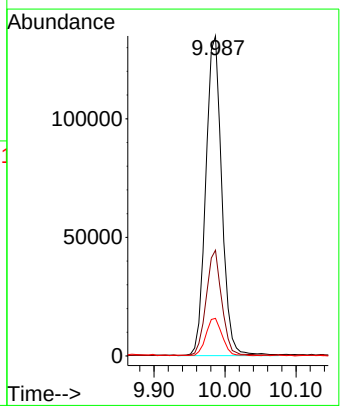
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

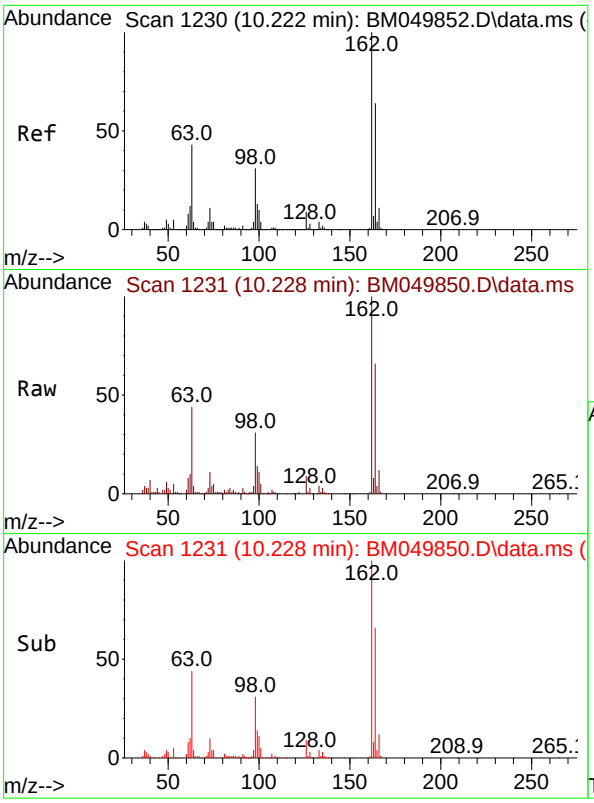


#28
bis(2-Chloroethoxy)methane
Concen: 9.587 ng
RT: 9.987 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 93 Resp: 210772

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.6	40.0
123	11.7	9.5	14.3

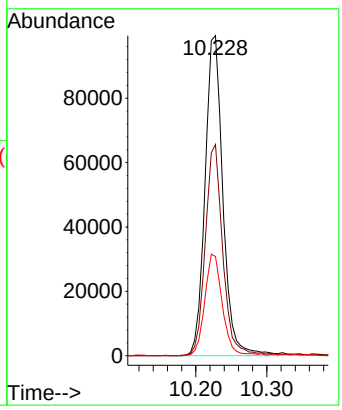




#29
2,4-Dichlorophenol
Concen: 9.254 ng
RT: 10.228 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:162 Resp: 17440

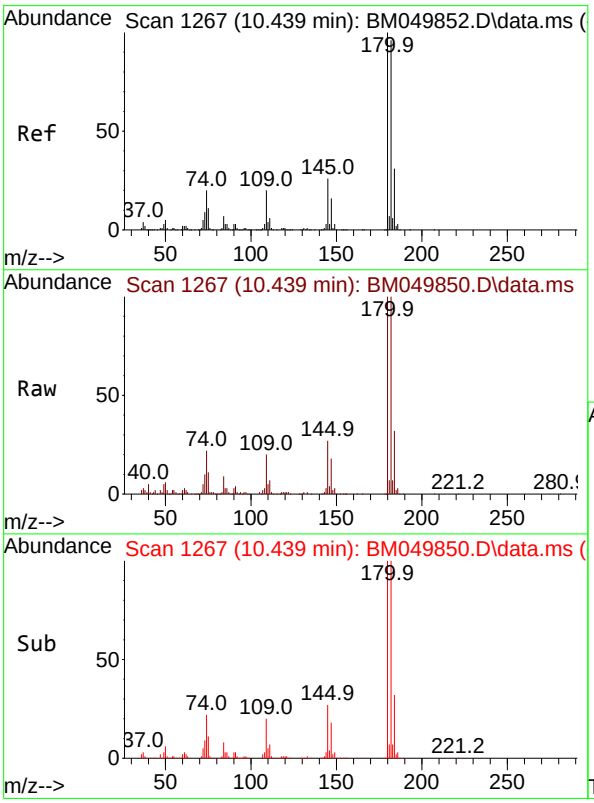
Ion	Ratio	Lower	Upper
162	100		
164	66.0	44.3	84.3
98	31.0	10.9	50.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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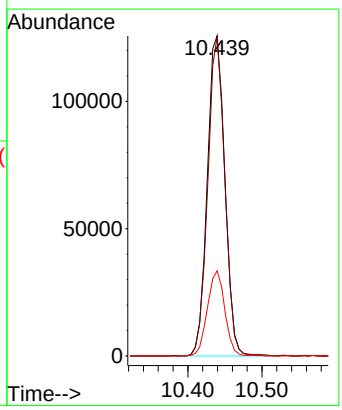
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

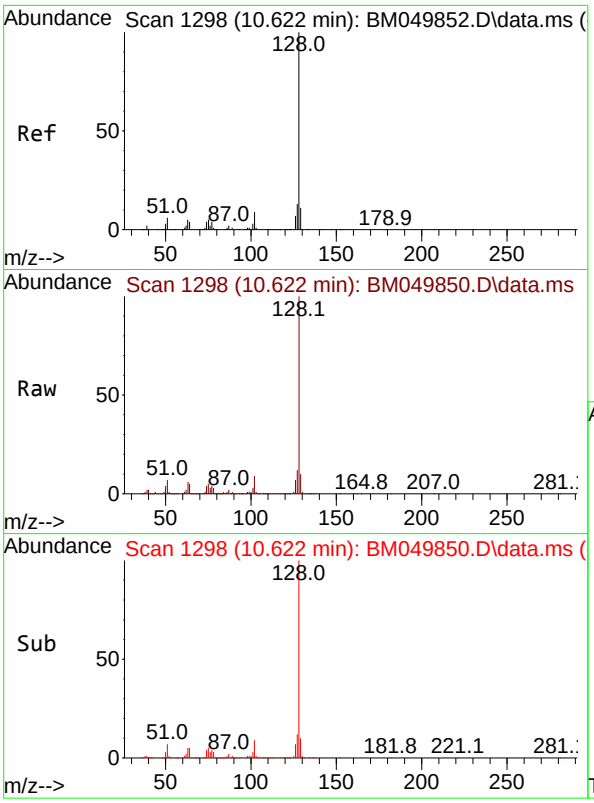


#30
1,2,4-Trichlorobenzene
Concen: 9.518 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:180 Resp: 207530

Ion	Ratio	Lower	Upper
180	100		
182	99.6	76.7	115.1
145	26.6	20.8	31.2

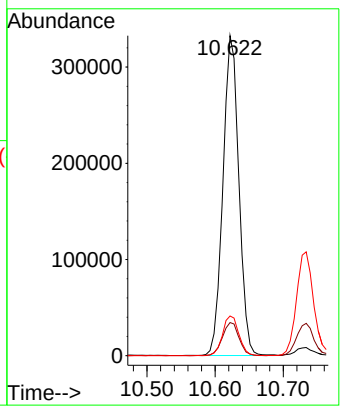




#31
Naphthalene
Concen: 9.630 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:128 Resp: 54014

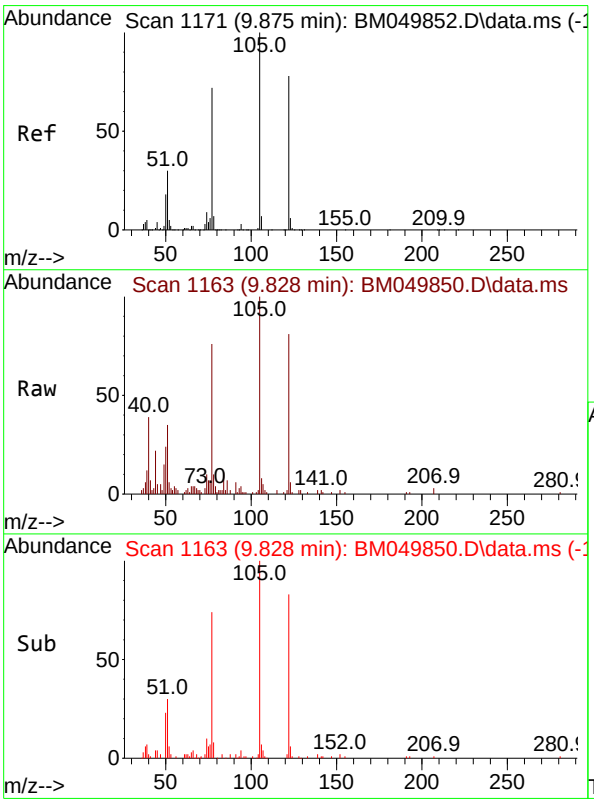
Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	12.4	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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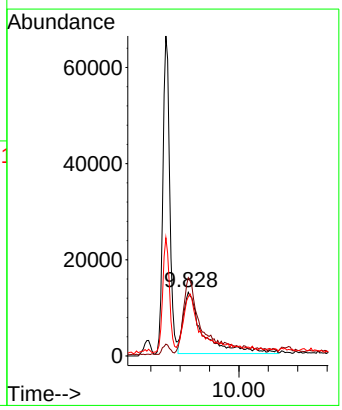
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

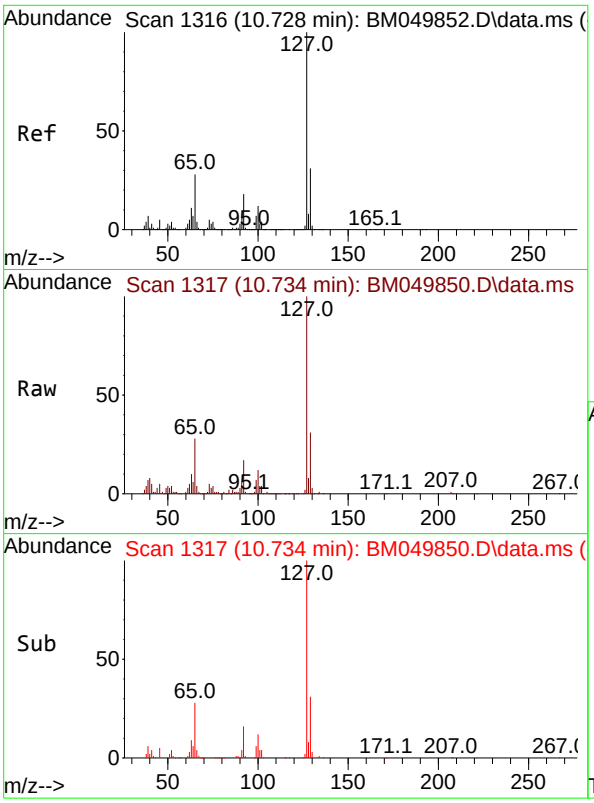


#32
Benzoic acid
Concen: 12.140 ng m
RT: 9.828 min Scan# 1163
Delta R.T. -0.047 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:122 Resp: 59585

Ion	Ratio	Lower	Upper
122	100		
105	122.7	103.8	143.8
77	93.1	70.7	110.7

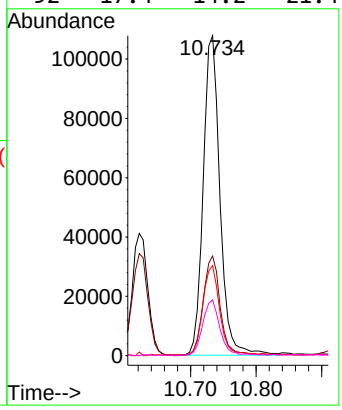




#33
4-Chloroaniline
Concen: 9.676 ng
RT: 10.734 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:127 Resp: 19165

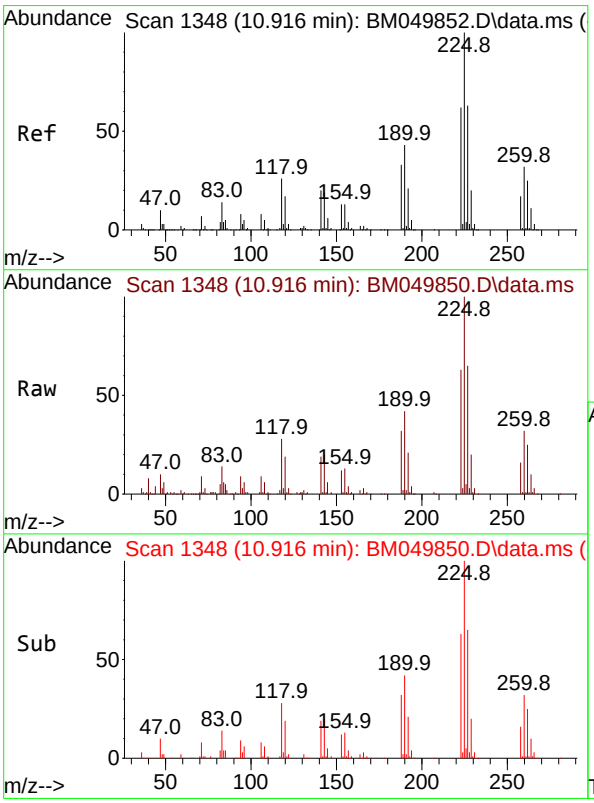
Ion	Ratio	Lower	Upper
127	100		
129	31.1	24.9	37.3
65	28.2	22.4	33.6
92	17.4	14.2	21.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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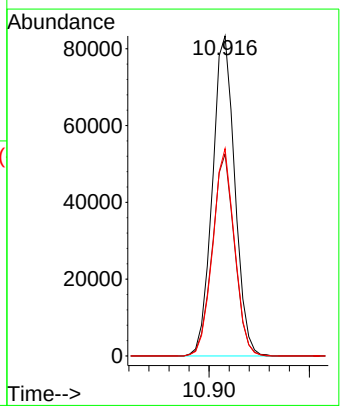
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

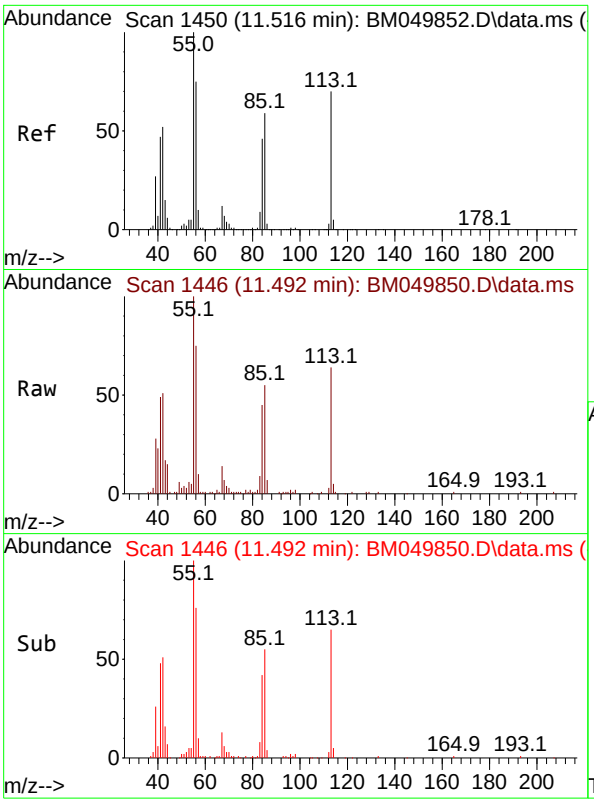


#34
Hexachlorobutadiene
Concen: 9.540 ng
RT: 10.916 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:225 Resp: 128662

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.4	74.2
227	64.8	50.1	75.1





#35
Caprolactam
Concen: 8.944 ng
RT: 11.492 min Scan# 14
Delta R.T. -0.023 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

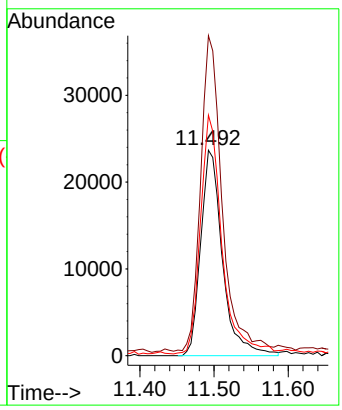
Tgt Ion:113 Resp: 4834

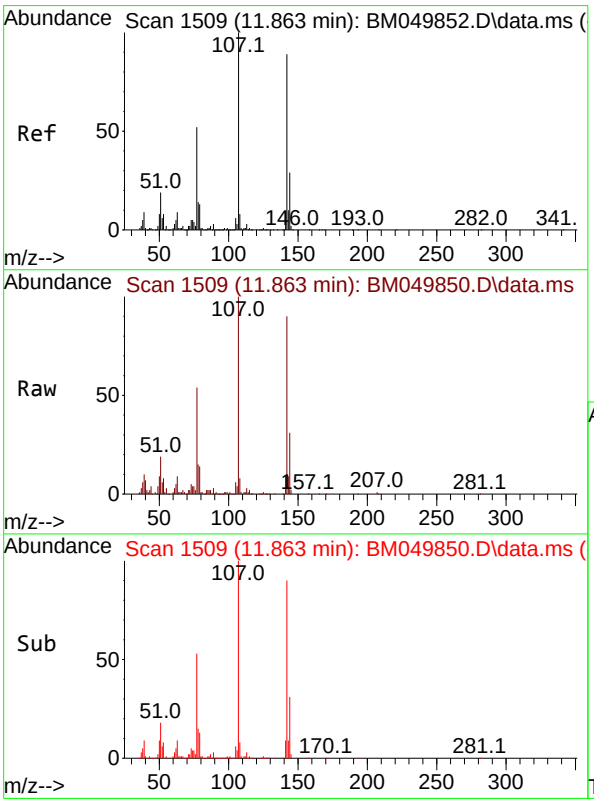
Ion	Ratio	Lower	Upper
113	100		
55	155.7	124.3	164.3
56	117.0	87.5	127.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

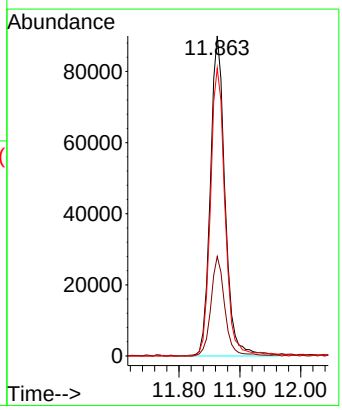


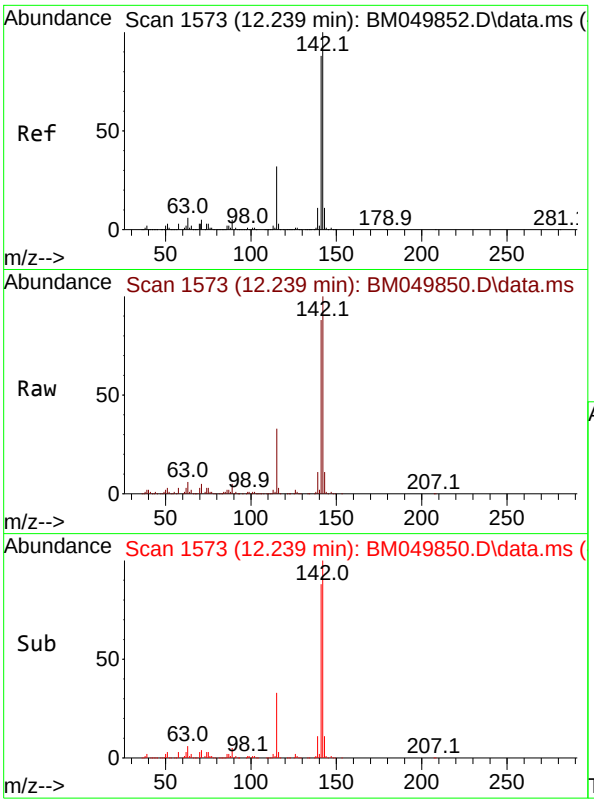


#36
4-Chloro-3-methylphenol
Concen: 9.138 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:107 Resp: 150861

Ion	Ratio	Lower	Upper
107	100		
144	31.1	23.6	35.4
142	89.9	71.4	107.0

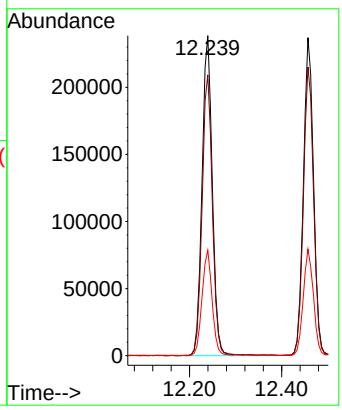




#37
2-Methylnaphthalene
Concen: 9.465 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:142 Resp: 37407

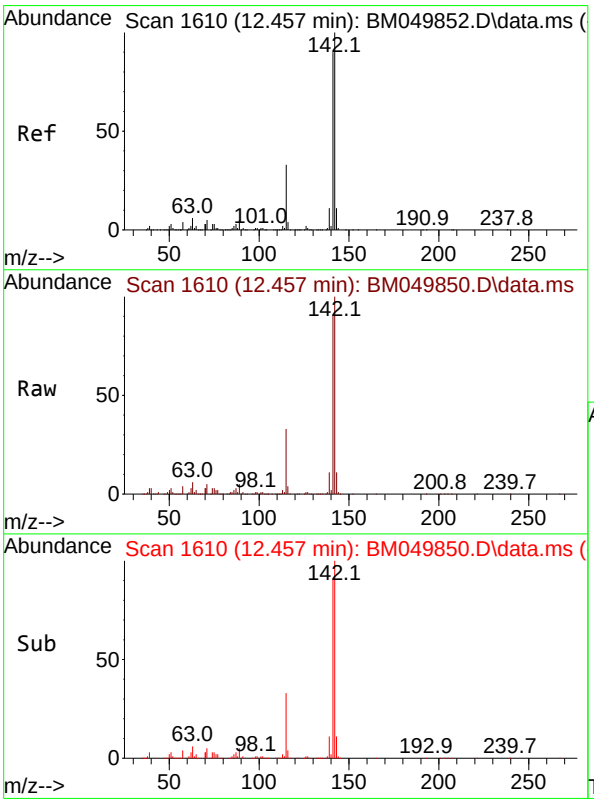
Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.2	105.2
115	33.0	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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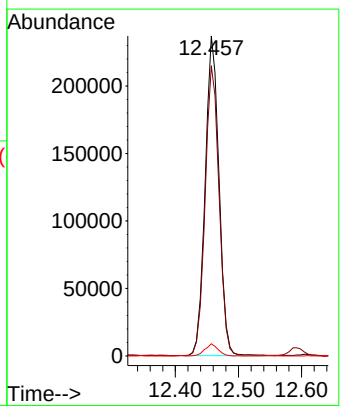
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

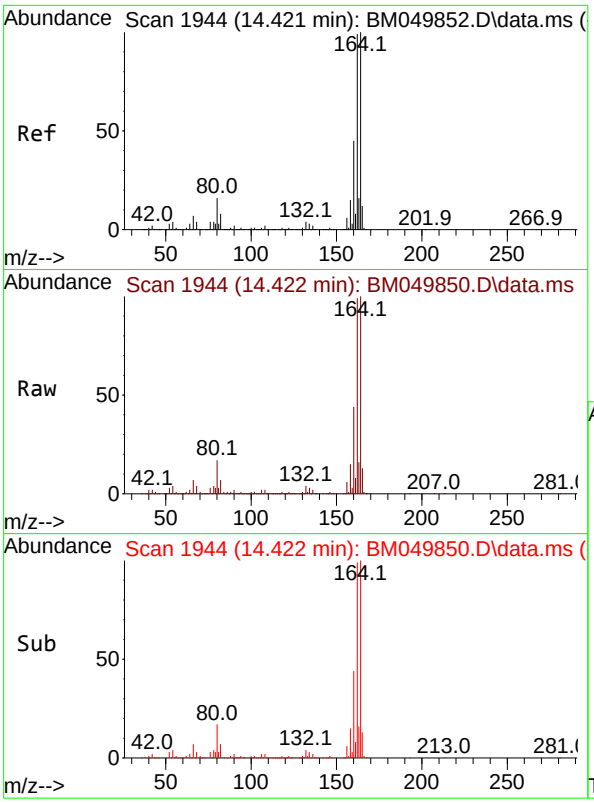


#38
1-Methylnaphthalene
Concen: 9.346 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:142 Resp: 359844

Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.2	108.2
116	3.8	2.9	4.3

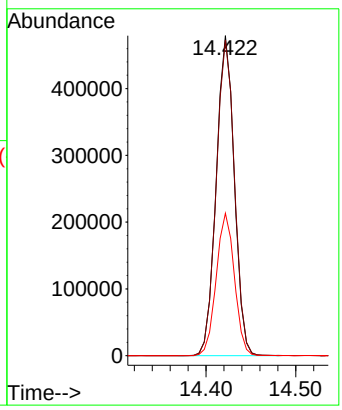




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:164 Resp: 67118

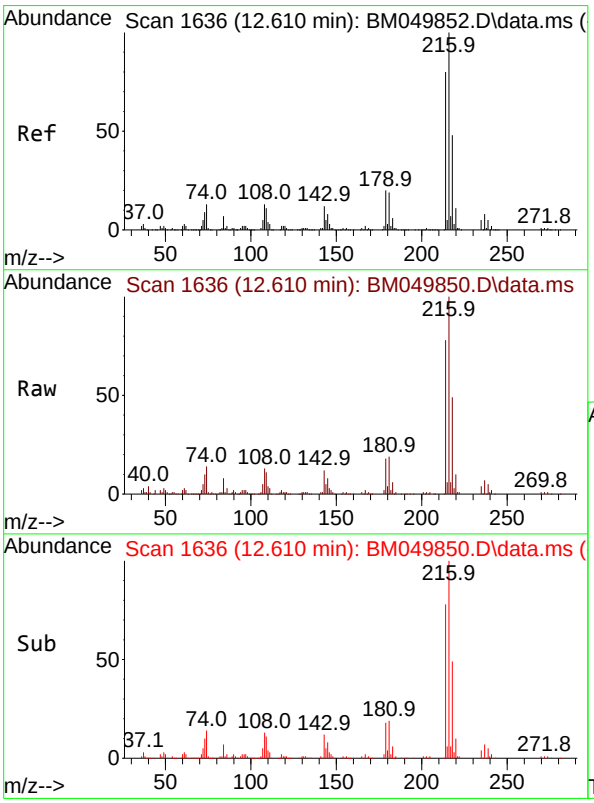
Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.4	119.0
160	44.5	36.2	54.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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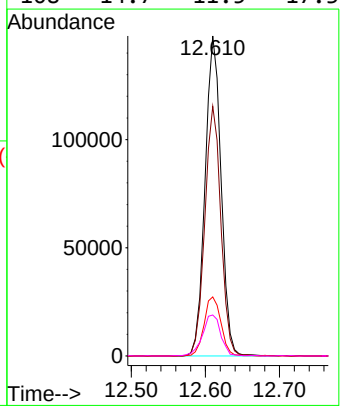
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

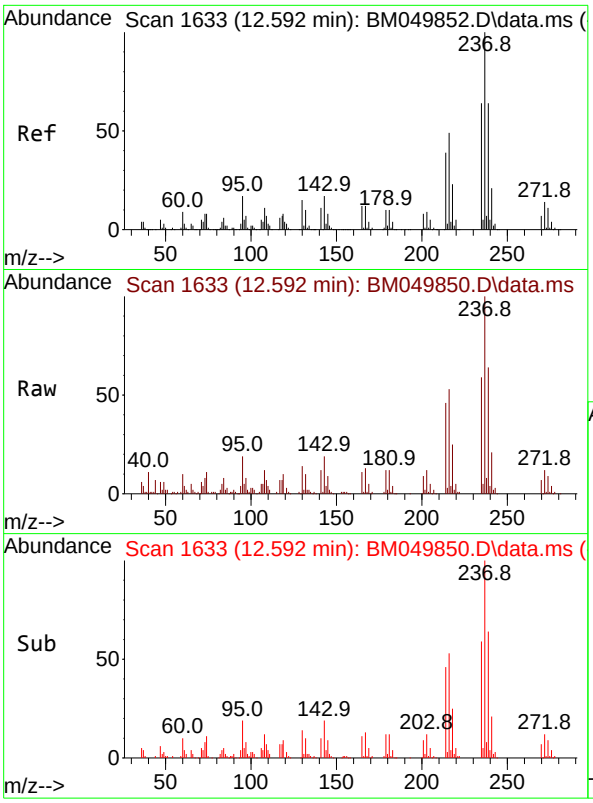


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.458 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:216 Resp: 222088

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.2	94.8
179	19.5	15.8	23.6
108	14.7	11.5	17.3

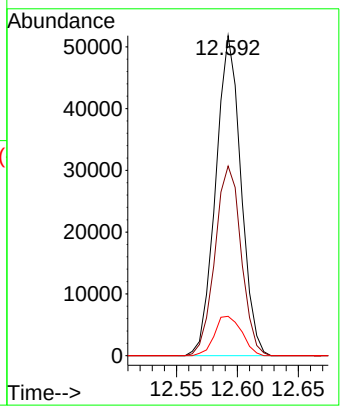




#41
Hexachlorocyclopentadiene
Concen: 9.083 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:237 Resp: 7473

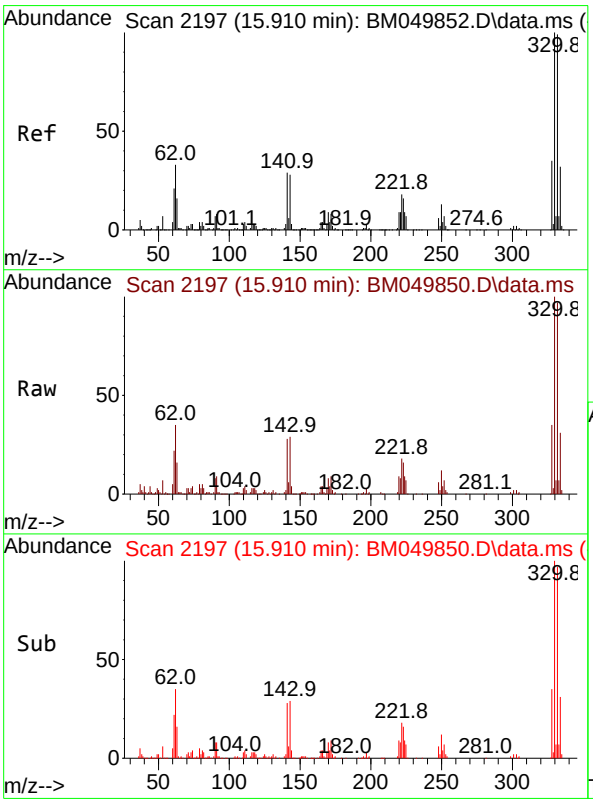
Ion	Ratio	Lower	Upper
237	100		
235	59.2	43.7	83.7
272	12.3	0.0	33.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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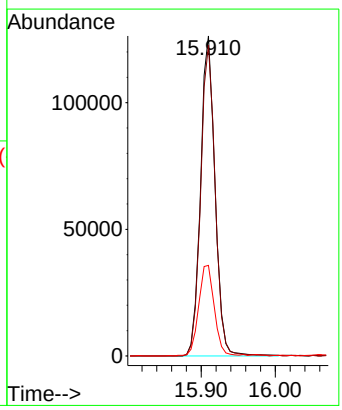
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

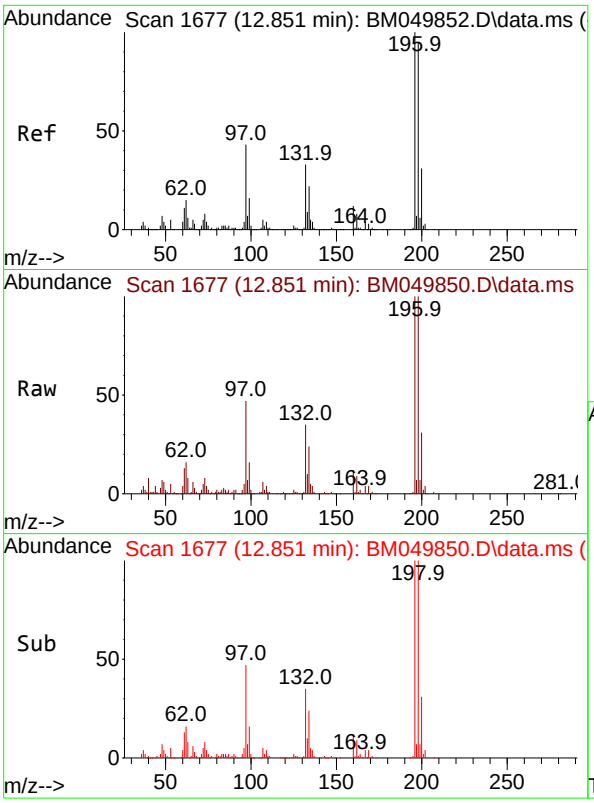


#42
2,4,6-Tribromophenol
Concen: 17.530 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:330 Resp: 171135

Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.0	117.0
141	30.7	23.5	35.3

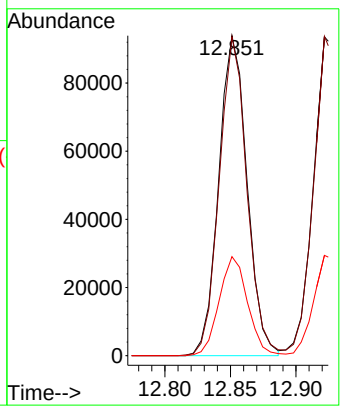




#43
2,4,6-Trichlorophenol
Concen: 9.442 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:196 Resp: 14108

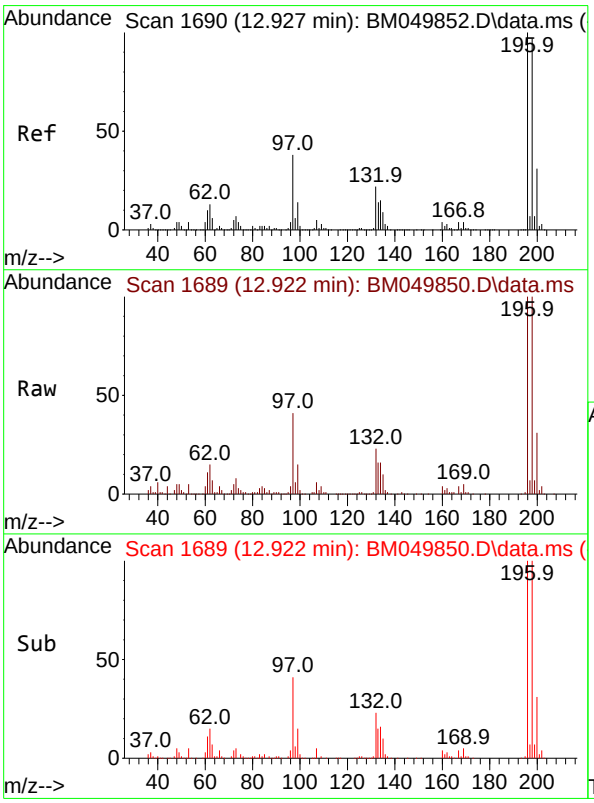
Ion	Ratio	Lower	Upper
196	100		
198	99.7	76.1	114.1
200	31.0	24.7	37.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

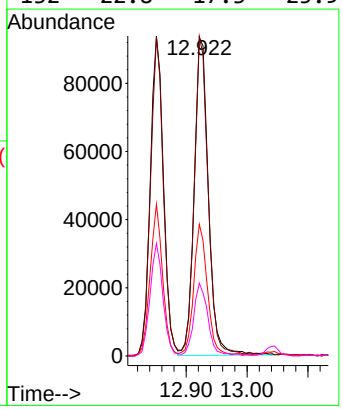
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

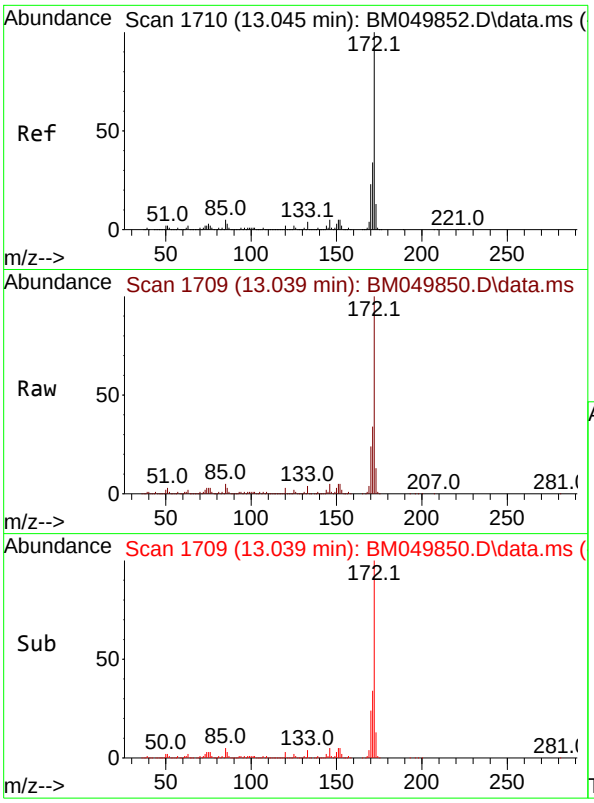


#44
2,4,5-Trichlorophenol
Concen: 9.342 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:196 Resp: 151683

Ion	Ratio	Lower	Upper
196	100		
198	100.1	77.7	116.5
97	41.3	30.3	45.5
132	22.8	17.3	25.9

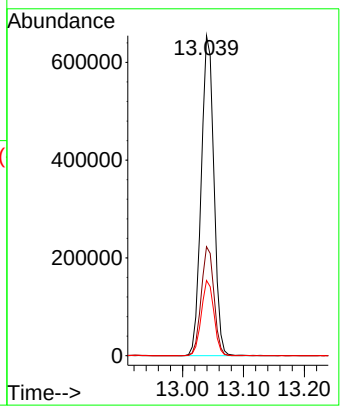




#45
2-Fluorobiphenyl
Concen: 19.175 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:172 Resp: 94912

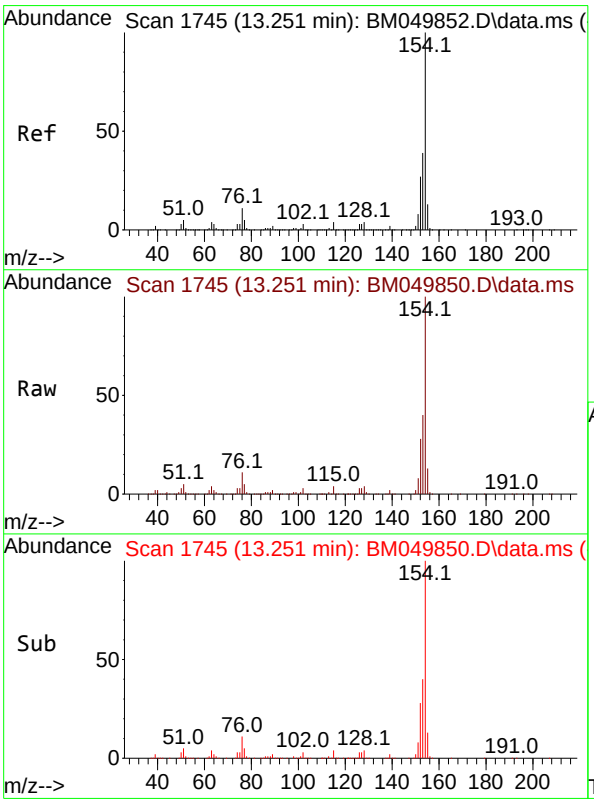
Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.4	41.2
170	23.5	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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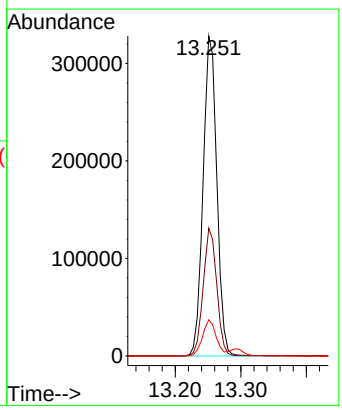
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

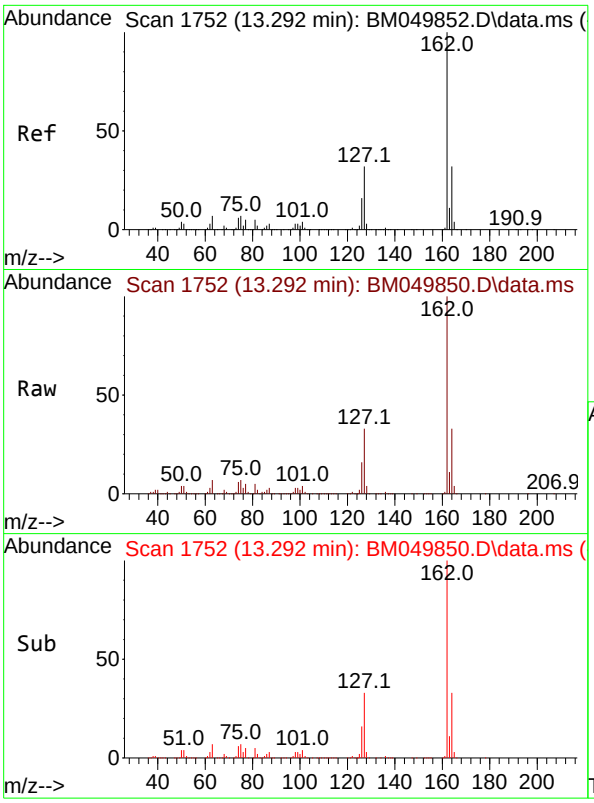


#46
1,1'-Biphenyl
Concen: 9.609 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:154 Resp: 479426

Ion	Ratio	Lower	Upper
154	100		
153	39.9	19.3	59.3
76	11.3	0.0	30.7

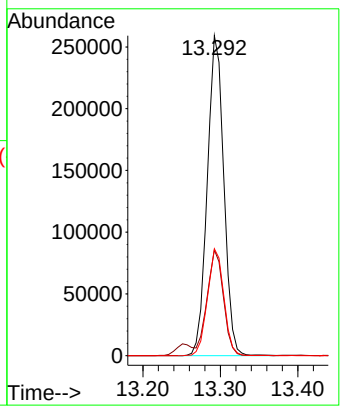




#47
2-Chloronaphthalene
Concen: 9.789 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:162 Resp: 38388

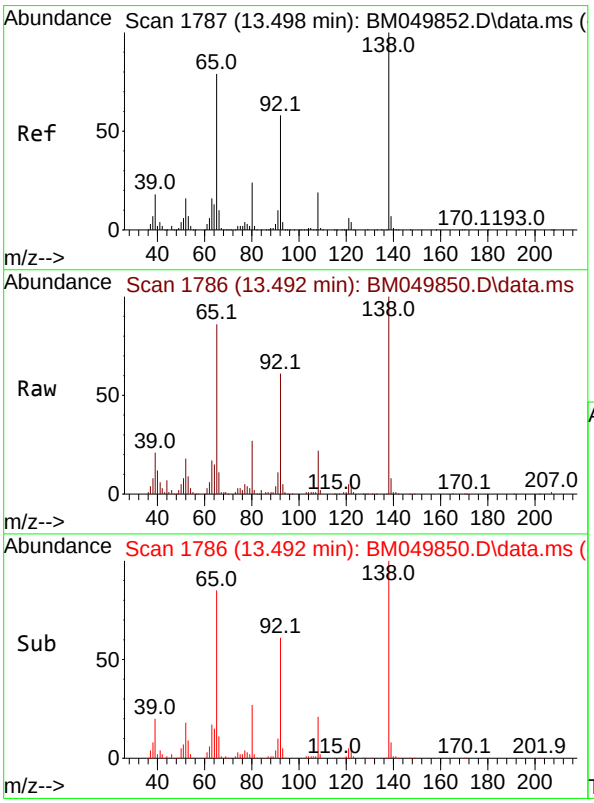
Ion	Ratio	Lower	Upper
162	100		
127	33.0	26.0	39.0
164	33.4	25.9	38.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

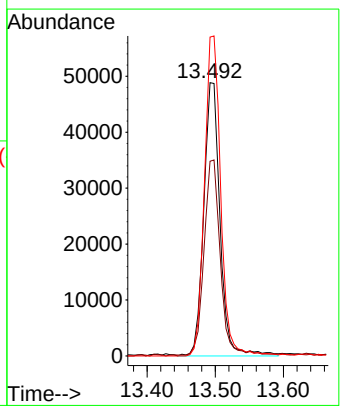
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

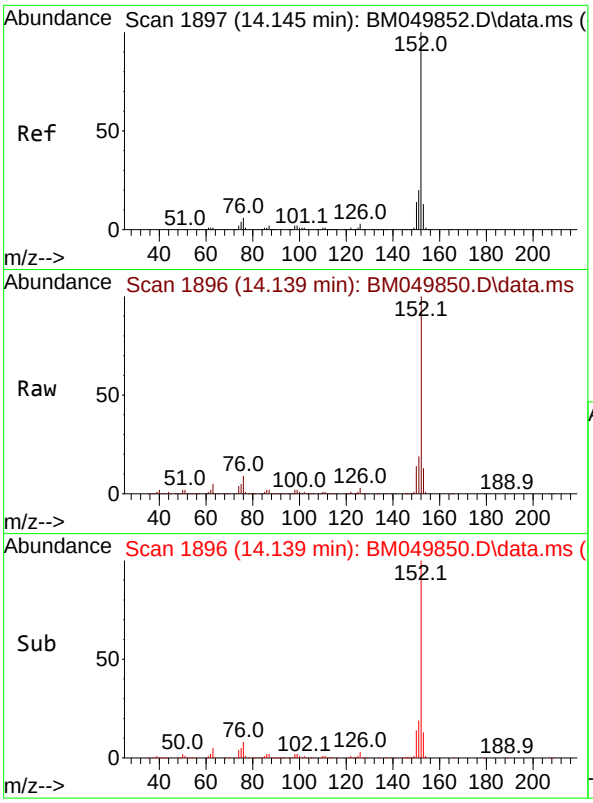


#48
2-Nitroaniline
Concen: 8.968 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 65 Resp: 81359

Ion	Ratio	Lower	Upper
65	100		
92	71.3	58.4	87.6
138	116.7	100.8	151.2

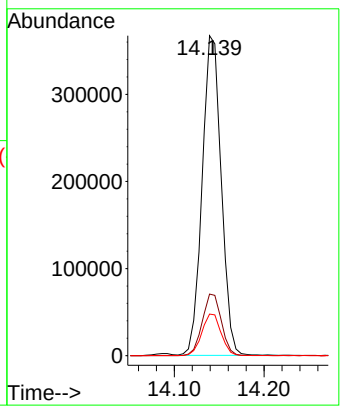




#49
Acenaphthylene
Concen: 9.479 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:152 Resp: 54147

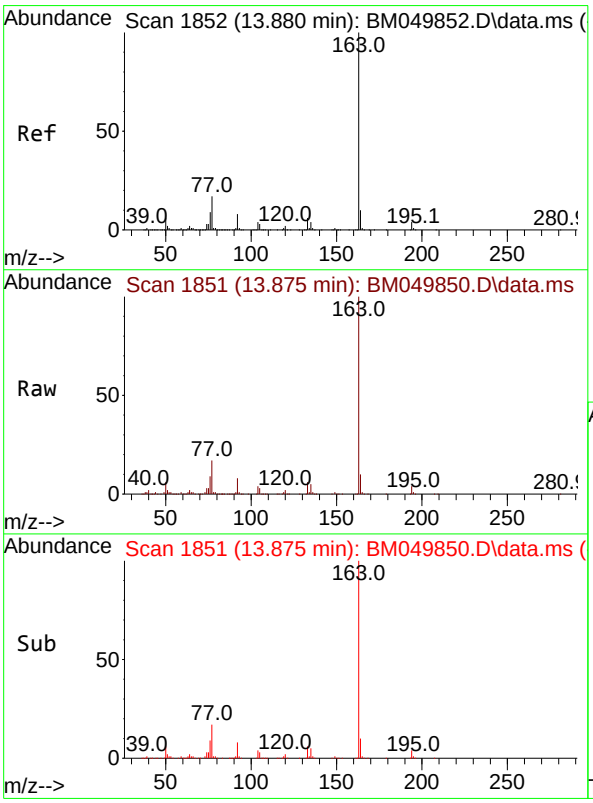
Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.0	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

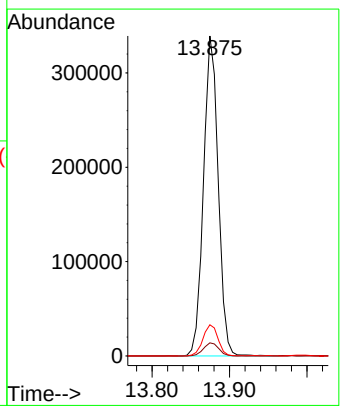
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

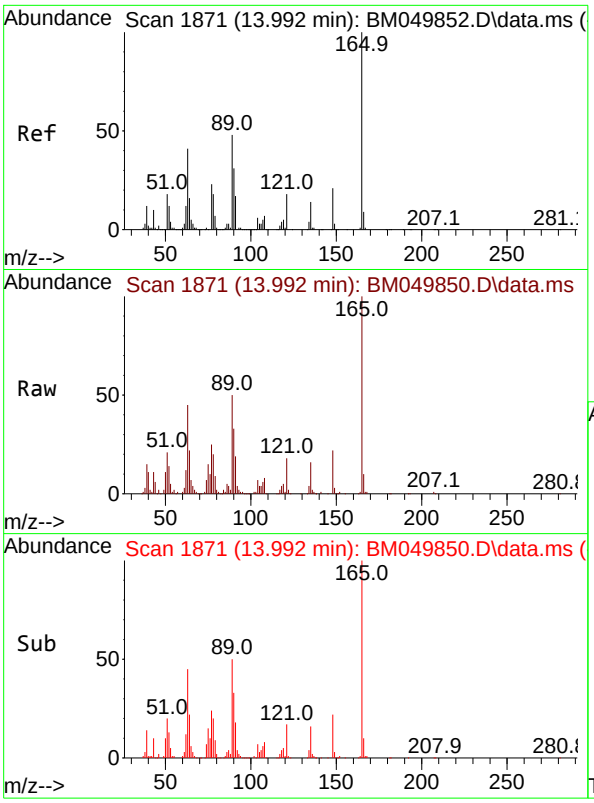


#50
Dimethylphthalate
Concen: 9.431 ng
RT: 13.875 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:163 Resp: 446549

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.5	5.3
164	9.7	7.9	11.9

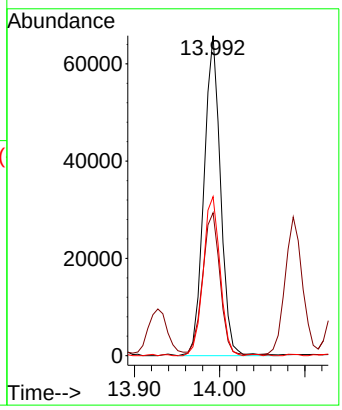




#51
2,6-Dinitrotoluene
Concen: 8.953 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:165 Resp: 8881

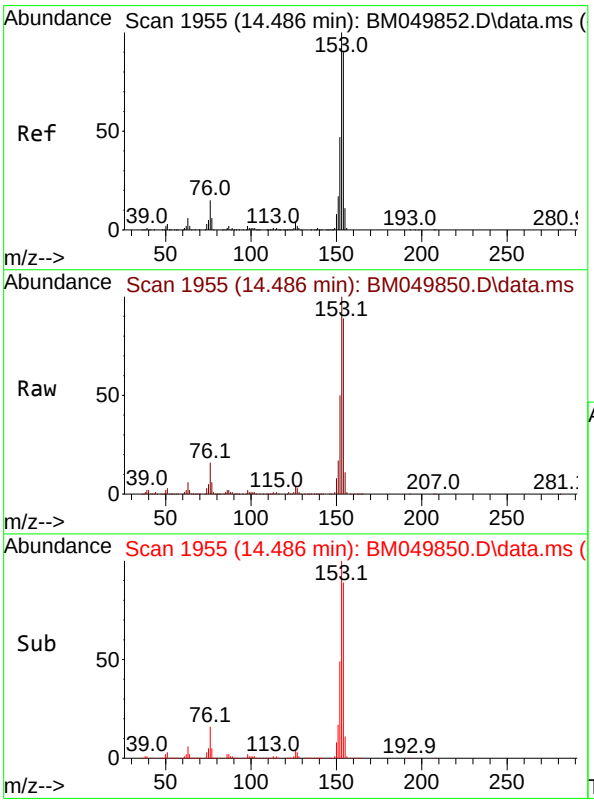
Ion	Ratio	Lower	Upper
165	100		
63	44.6	36.1	54.1
89	49.7	38.3	57.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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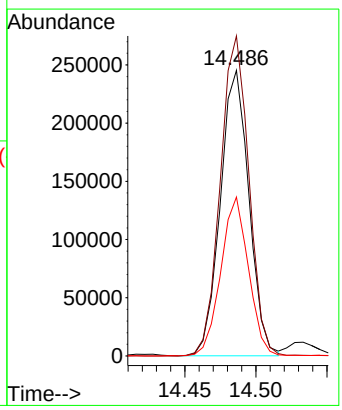
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

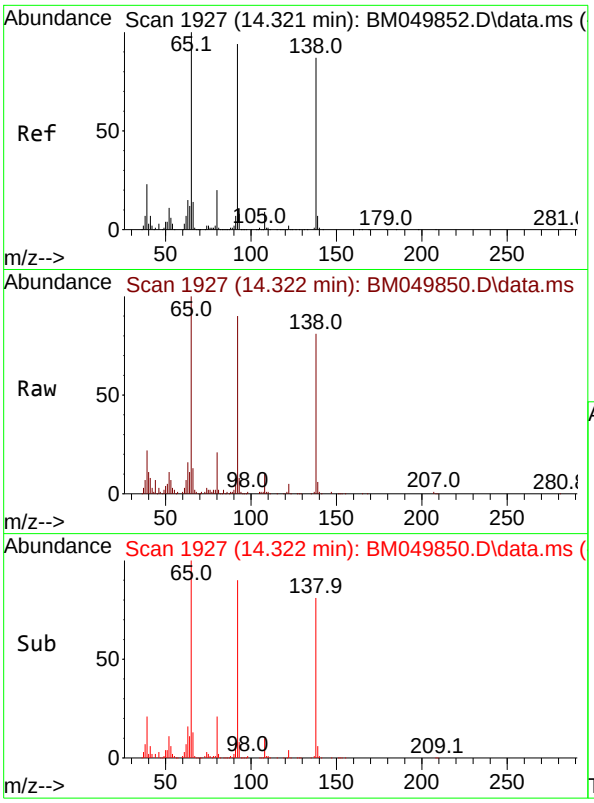


#52
Acenaphthene
Concen: 9.452 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:154 Resp: 343452

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.3	133.9
152	55.6	42.2	63.2





#53
3-Nitroaniline
Concen: 8.856 ng
RT: 14.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

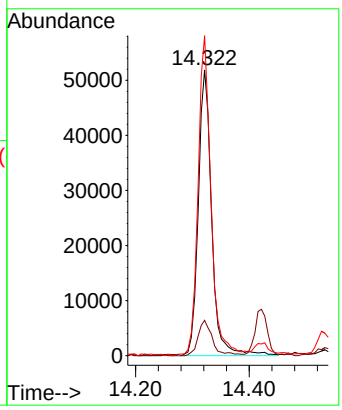
Tgt Ion:138 Resp: 8491

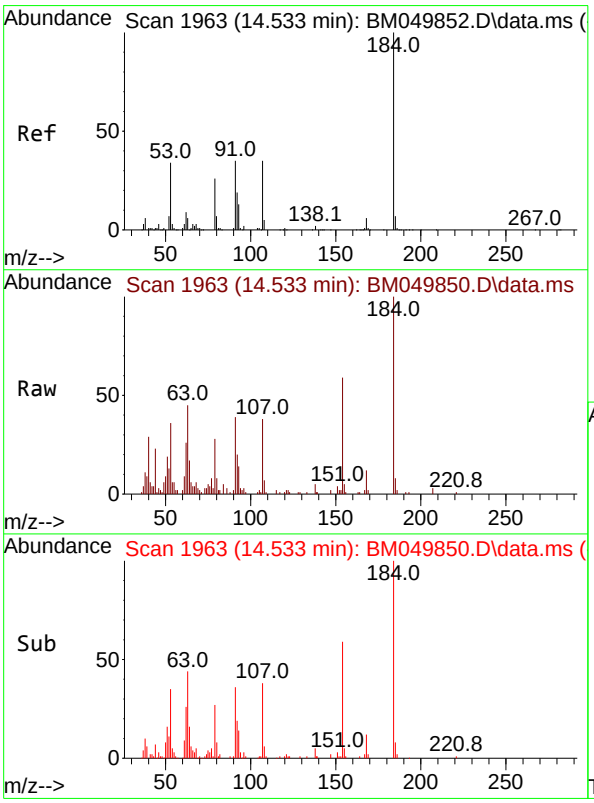
Ion	Ratio	Lower	Upper
138	100		
108	12.4	8.1	12.1
92	112.0	86.5	129.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

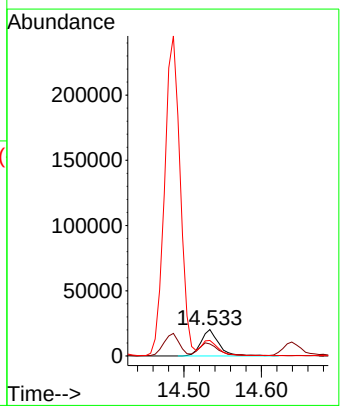


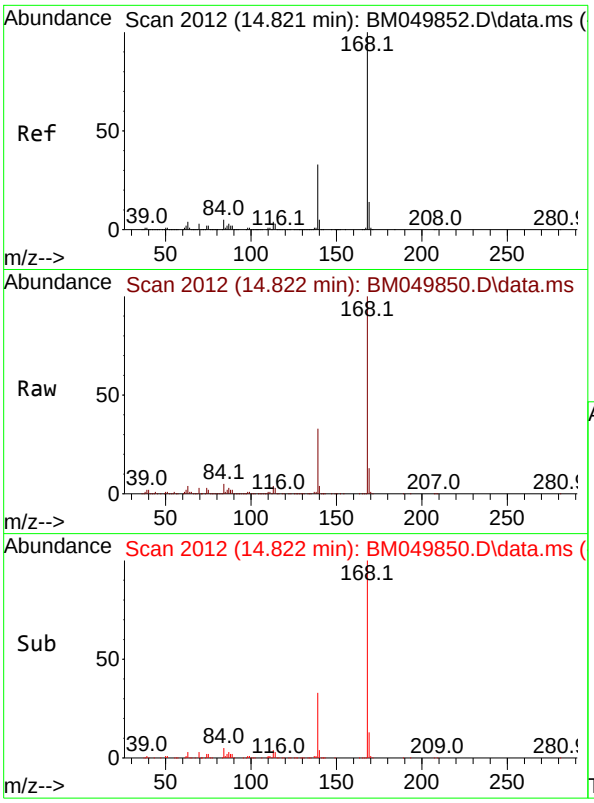


#54
2,4-Dinitrophenol
Concen: 11.325 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:184 Resp: 32385

Ion	Ratio	Lower	Upper
184	100		
63	45.3	38.4	57.6
154	58.6	48.1	72.1

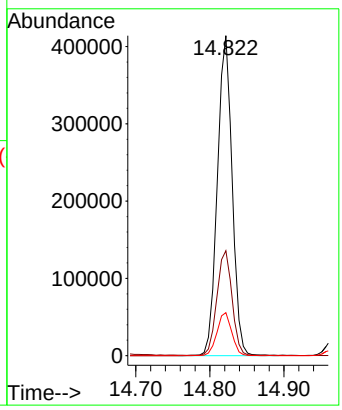




#55
Dibenzofuran
Concen: 9.443 ng
RT: 14.822 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:168 Resp: 57356

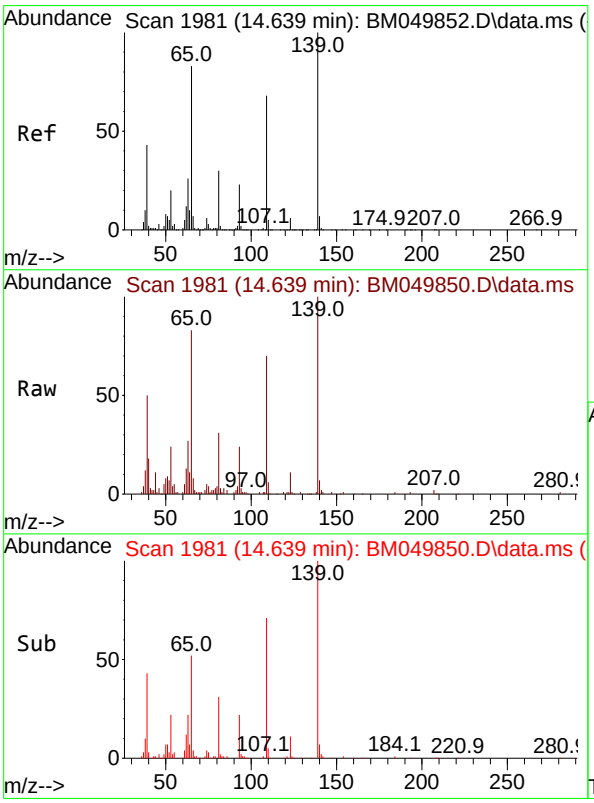
Ion	Ratio	Lower	Upper
168	100		
139	32.8	26.6	39.8
169	13.5	11.0	16.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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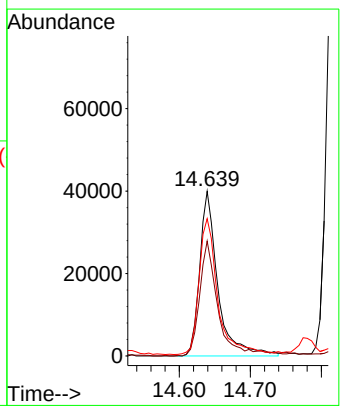
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

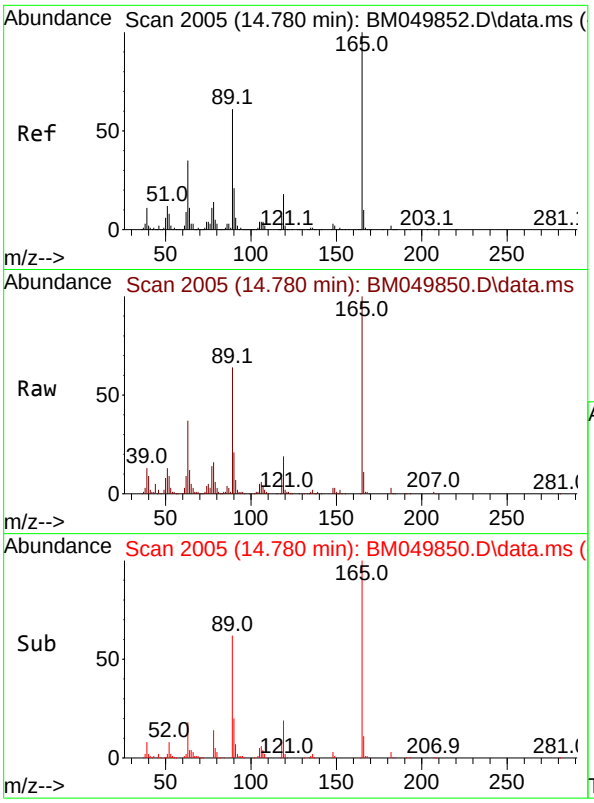


#56
4-Nitrophenol
Concen: 8.373 ng
RT: 14.639 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:139 Resp: 71545

Ion	Ratio	Lower	Upper
139	100		
109	69.8	47.9	87.9
65	83.3	62.7	102.7

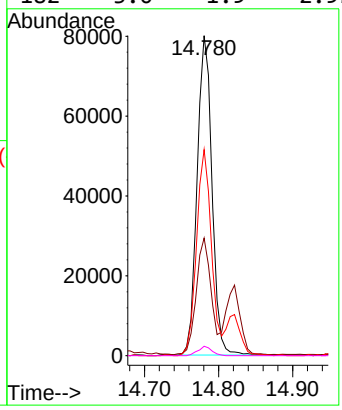




#57
2,4-Dinitrotoluene
Concen: 8.433 ng
RT: 14.780 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:165 Resp: 11161

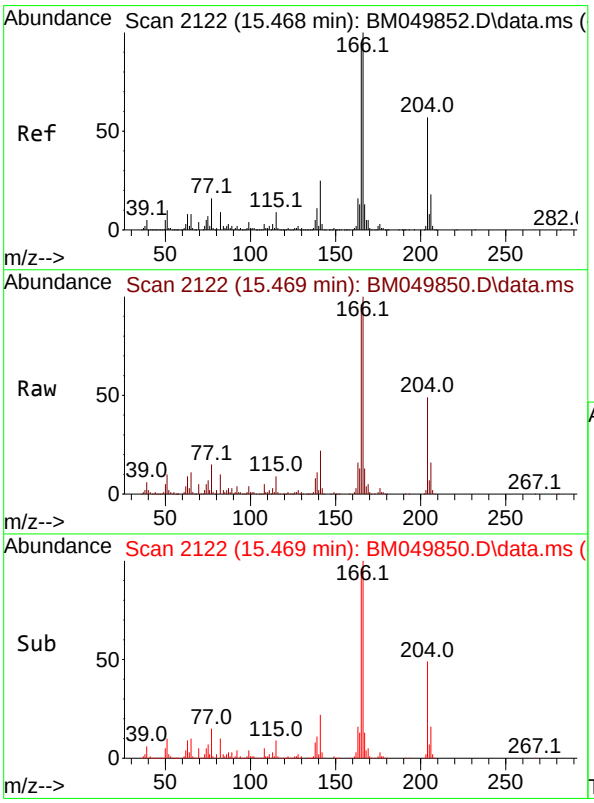
Ion	Ratio	Lower	Upper
165	100		
63	36.8	28.6	42.8
89	64.4	49.0	73.6
182	3.0	1.9	2.9#



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

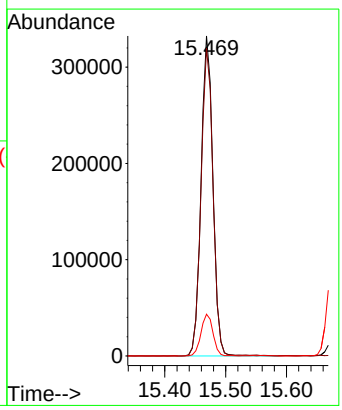
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

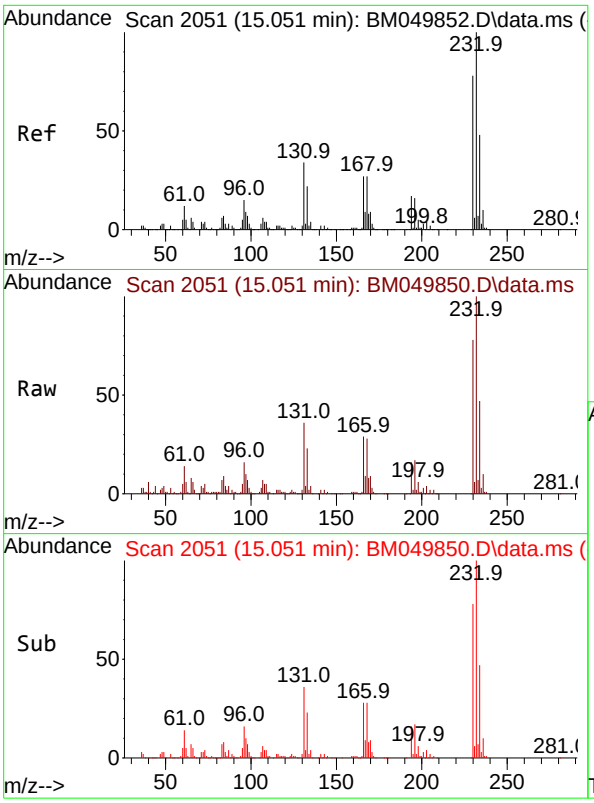


#58
Fluorene
Concen: 9.279 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:166 Resp: 448037

Ion	Ratio	Lower	Upper
166	100		
165	96.1	76.3	114.5
167	13.0	10.7	16.1

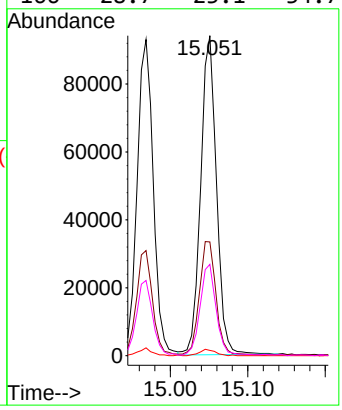




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.351 ng
RT: 15.051 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:232 Resp: 13308(

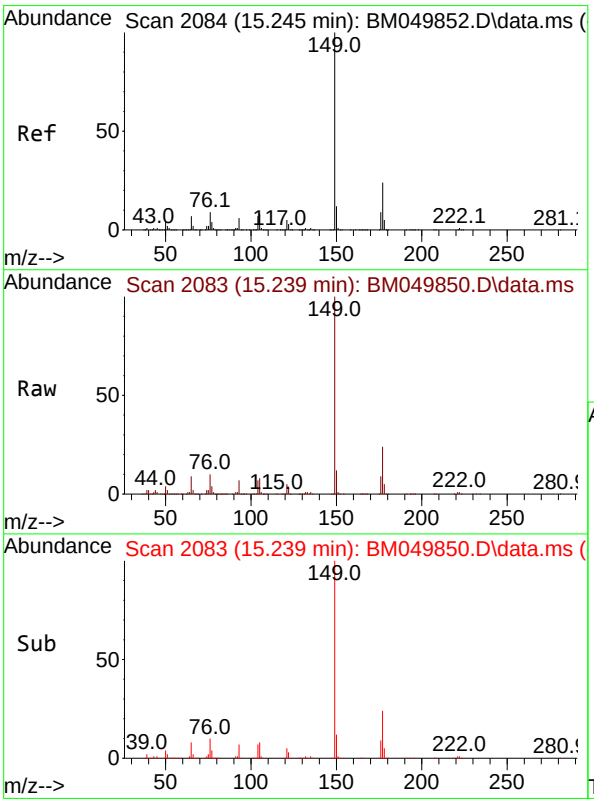
Ion	Ratio	Lower	Upper
232	100		
131	37.4	28.4	42.6
130	2.0	1.6	2.4
166	28.7	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

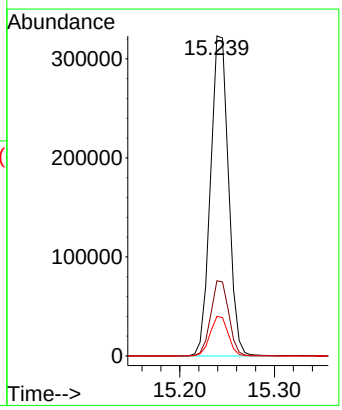
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

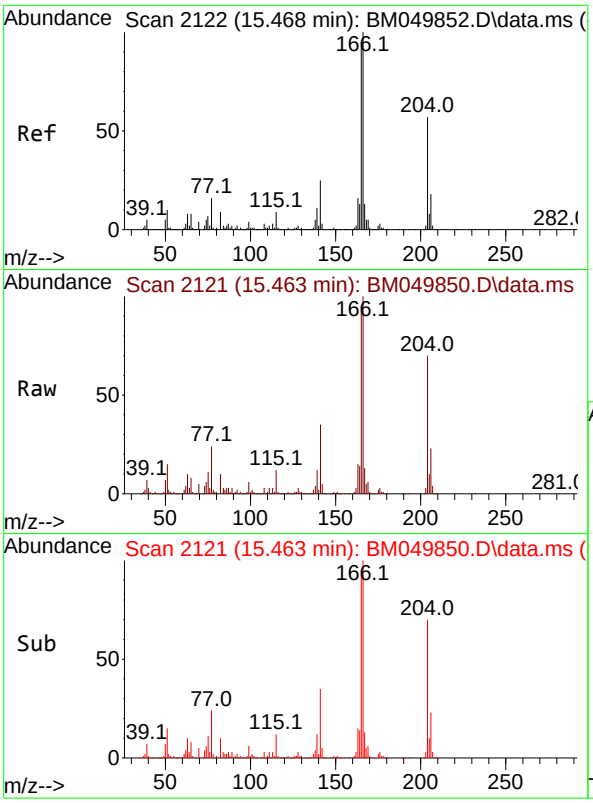


#60
Diethylphthalate
Concen: 9.387 ng
RT: 15.239 min Scan# 2083
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 426265

Ion	Ratio	Lower	Upper
149	100		
177	23.5	19.0	28.4
150	12.3	9.7	14.5

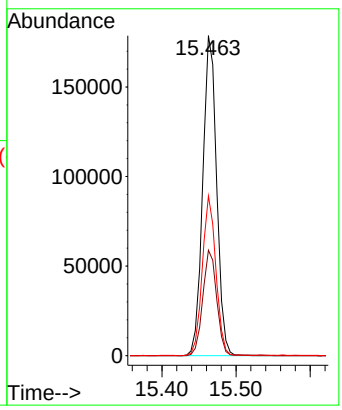




#61
4-Chlorophenyl-phenylether
Concen: 8.992 ng
RT: 15.463 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:204 Resp: 23276

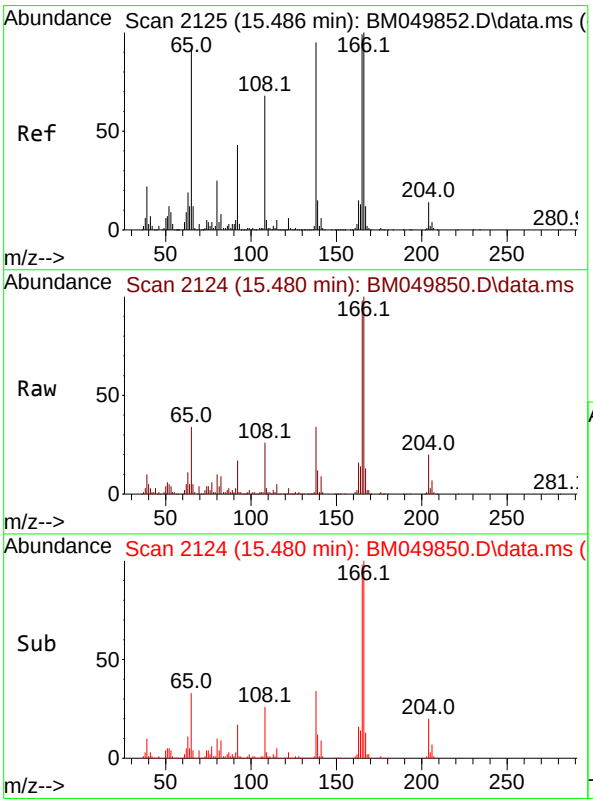
Ion	Ratio	Lower	Upper
204	100		
206	33.0	26.2	39.2
141	49.9	35.0	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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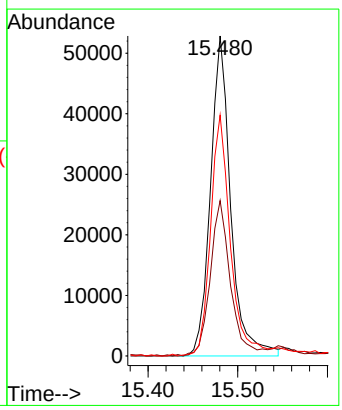
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

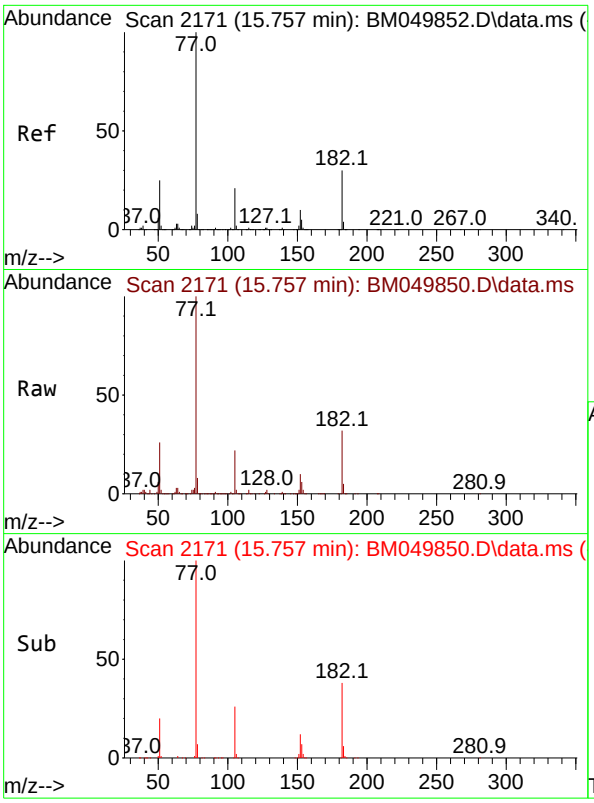


#62
4-Nitroaniline
Concen: 8.354 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:138 Resp: 82838

Ion	Ratio	Lower	Upper
138	100		
92	48.5	24.9	64.9
108	75.2	51.7	91.7

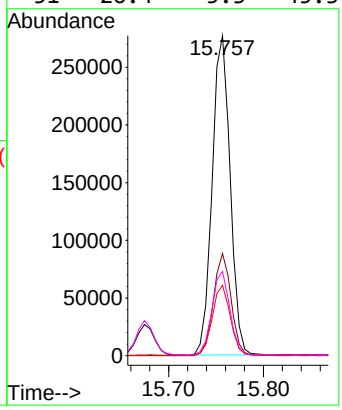




#63
Azobenzene
Concen: 9.366 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion: 77 Resp: 36411

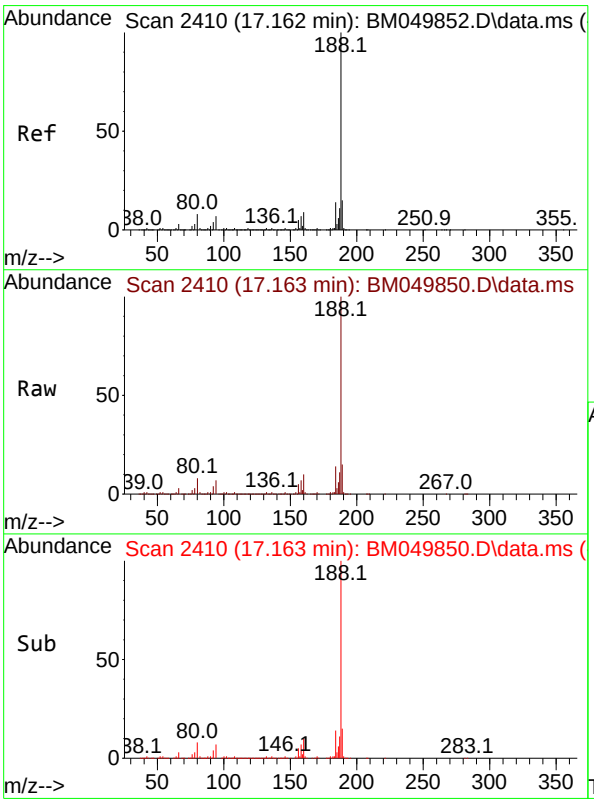
Ion	Ratio	Lower	Upper
77	100		
182	31.9	10.4	50.4
105	22.0	1.5	41.5
51	26.4	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

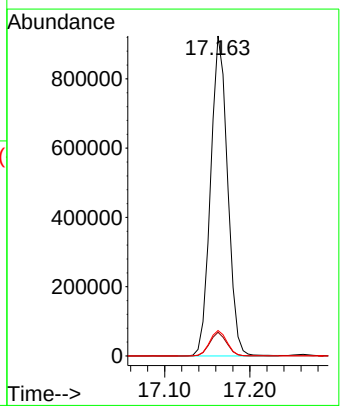
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

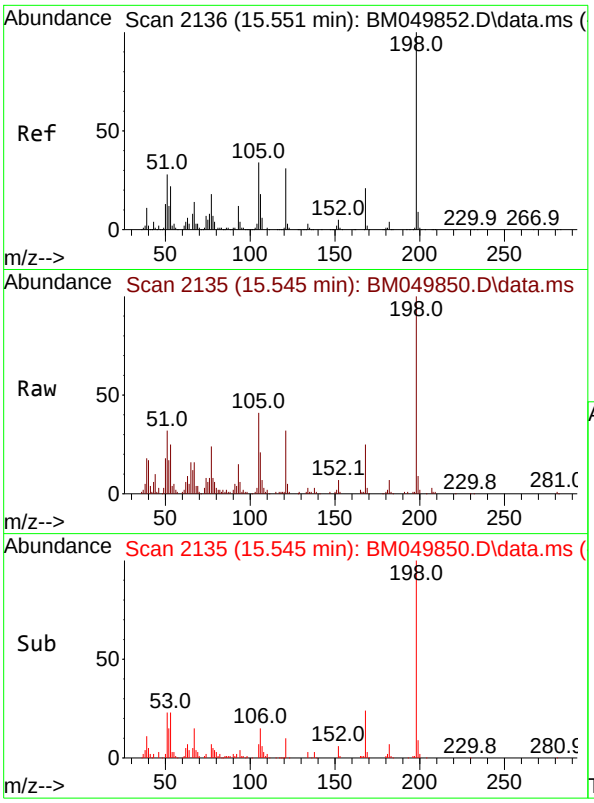


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:188 Resp: 1281742

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.8	8.6
80	7.9	6.4	9.6





#65
4,6-Dinitro-2-methylphenol
Concen: 7.490 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

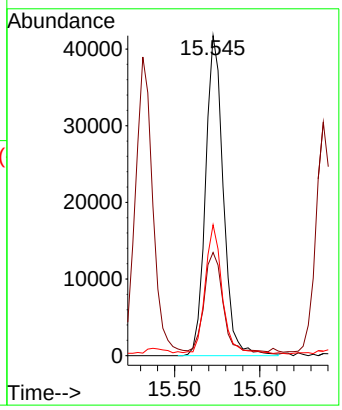
Tgt Ion:198 Resp: 6049

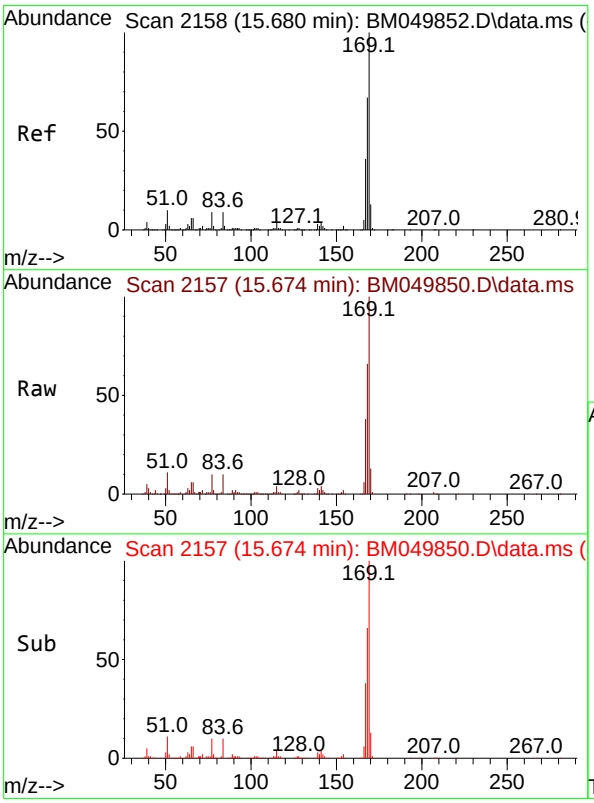
Ion	Ratio	Lower	Upper
198	100		
51	32.3	9.6	49.6
105	40.9	14.7	54.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

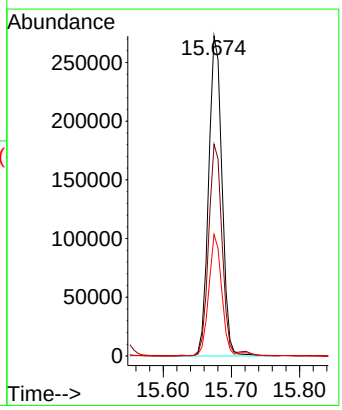


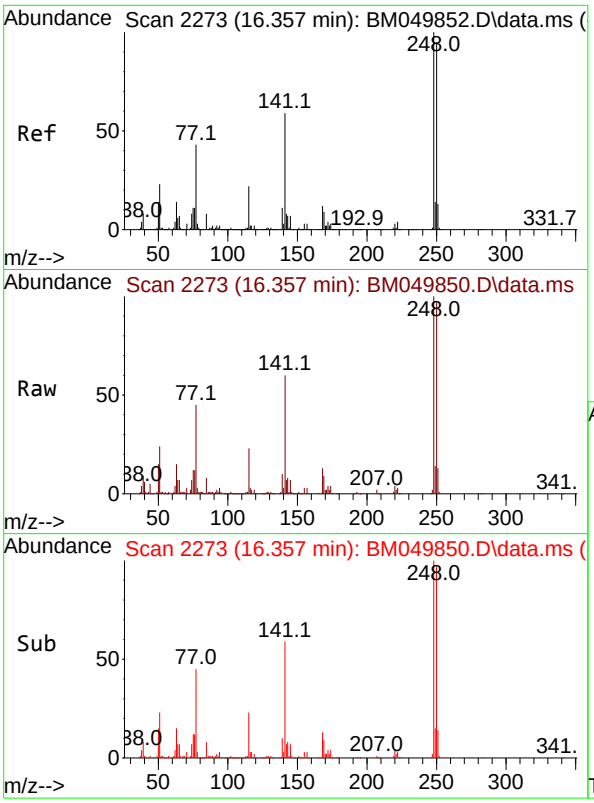


#66
n-Nitrosodiphenylamine
Concen: 9.657 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:169 Resp: 370438

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.4	80.2
167	38.0	29.0	43.6

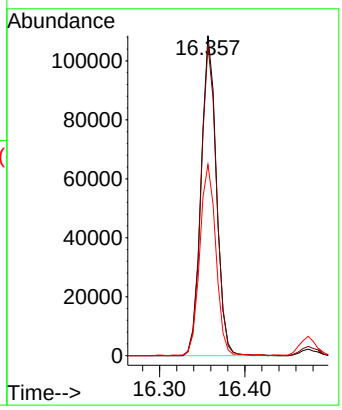




#67
4-Bromophenyl-phenylether
Concen: 9.139 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:248 Resp: 13598

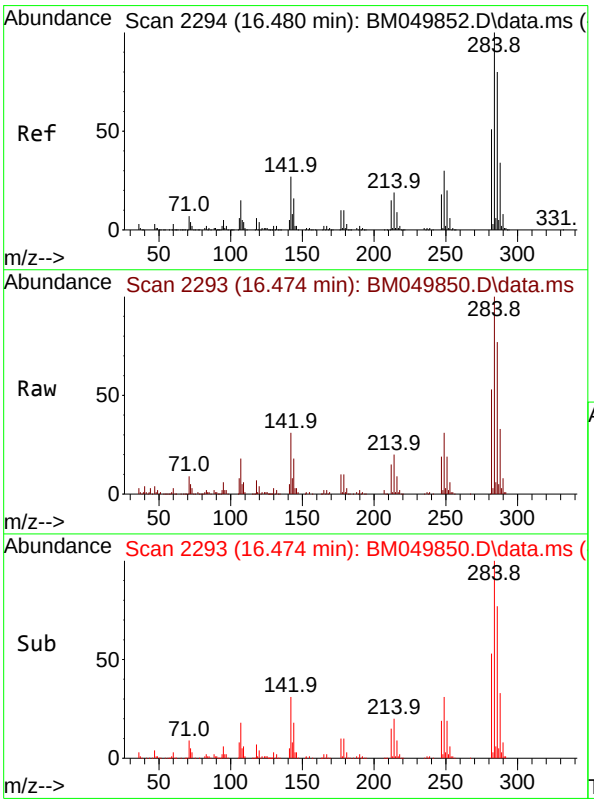
Ion	Ratio	Lower	Upper
248	100		
250	97.0	76.2	114.2
141	59.7	47.3	70.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

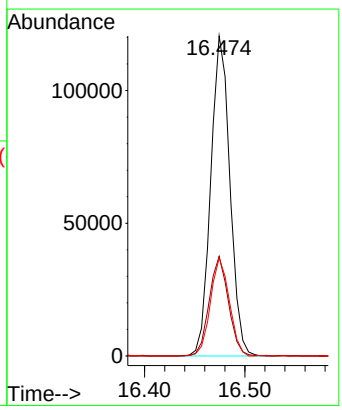
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

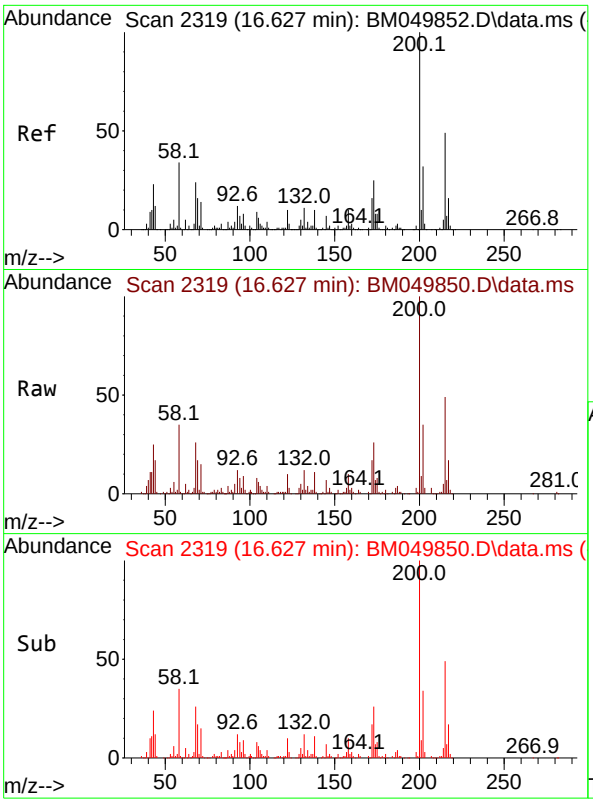


#68
Hexachlorobenzene
Concen: 9.383 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:284 Resp: 160142

Ion	Ratio	Lower	Upper
284	100		
142	31.1	21.2	31.8
249	30.7	24.1	36.1

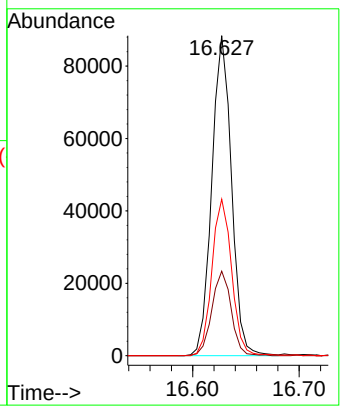




#69
Atrazine
Concen: 11.391 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:200 Resp: 11328

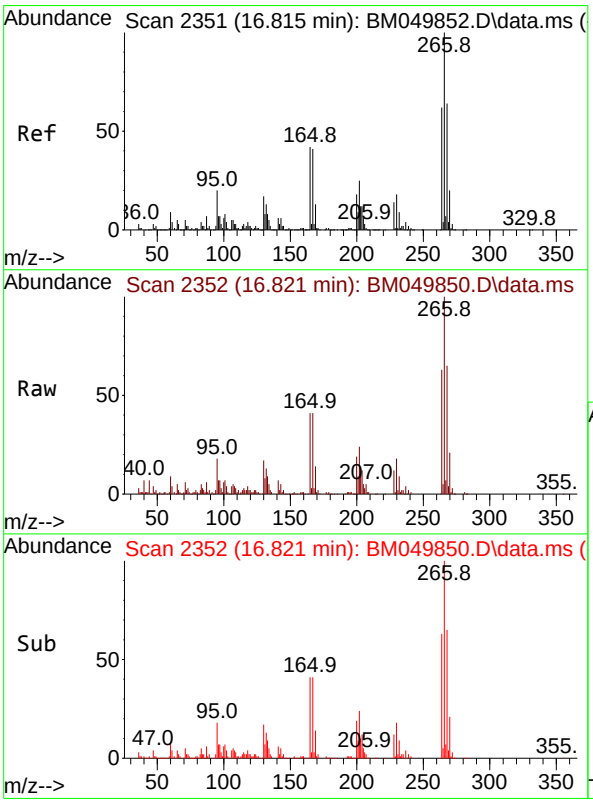
Ion	Ratio	Lower	Upper
200	100		
173	26.4	5.4	45.4
215	48.9	29.0	69.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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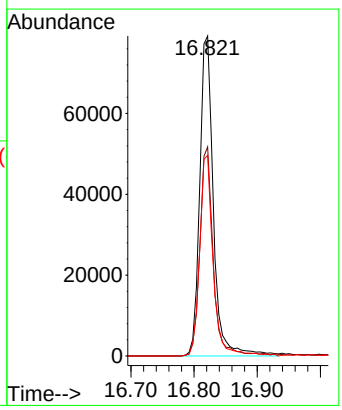
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

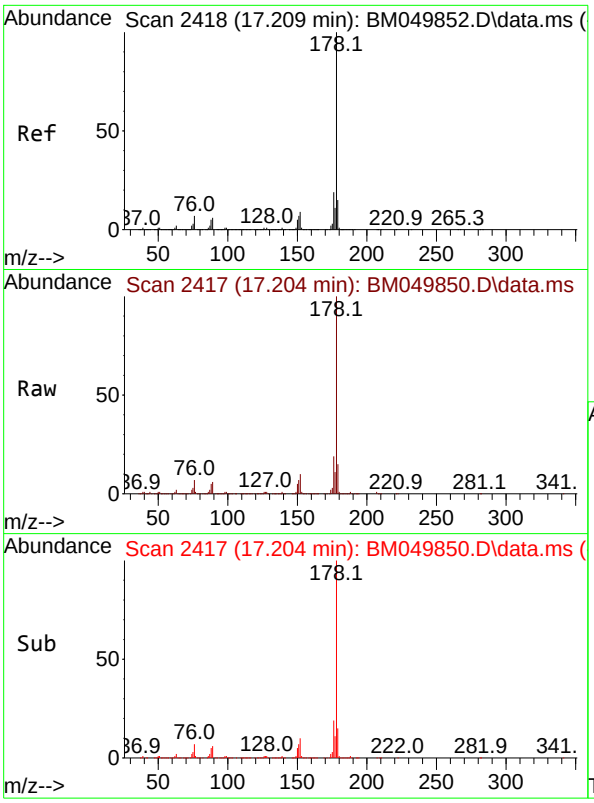


#70
Pentachlorophenol
Concen: 9.473 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:266 Resp: 119030

Ion	Ratio	Lower	Upper
266	100		
268	65.3	51.4	77.2
264	62.7	49.8	74.8

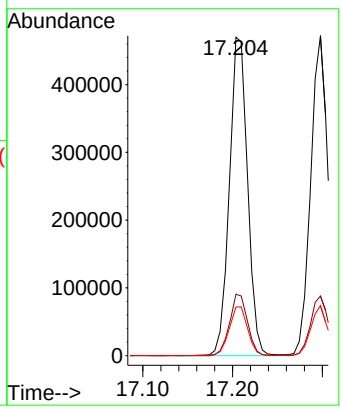




#71
Phenanthrene
Concen: 9.394 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:178 Resp: 66014

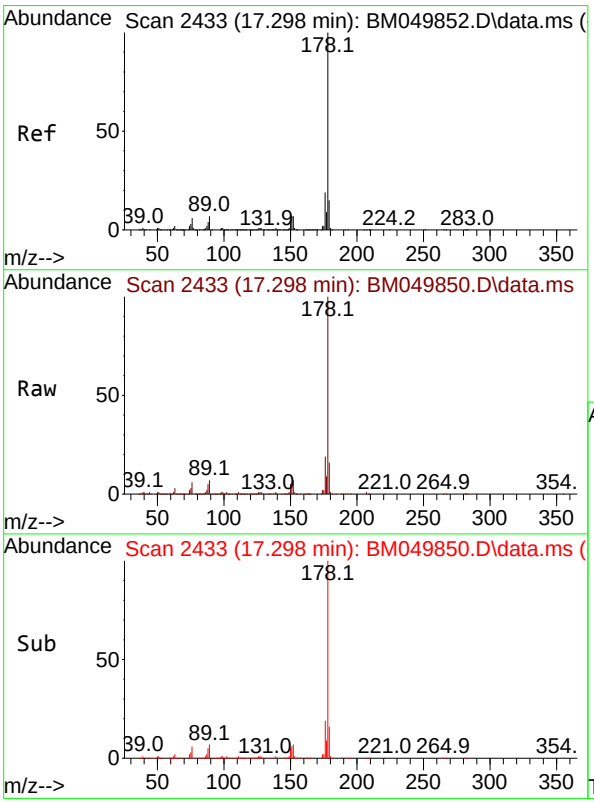
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.3	12.3	18.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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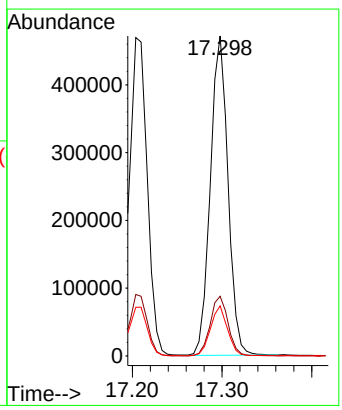
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

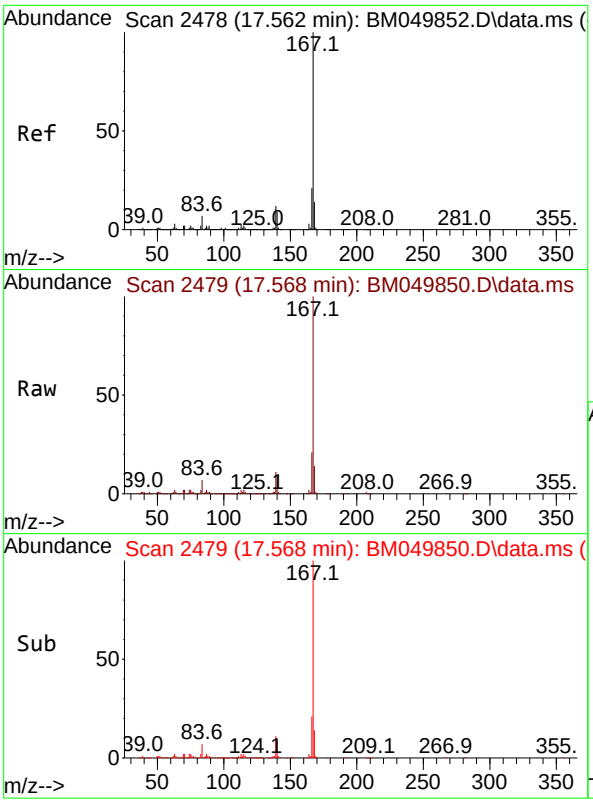


#72
Anthracene
Concen: 9.294 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:178 Resp: 643575

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.6	12.4	18.6





#73
Carbazole
Concen: 9.356 ng
RT: 17.568 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

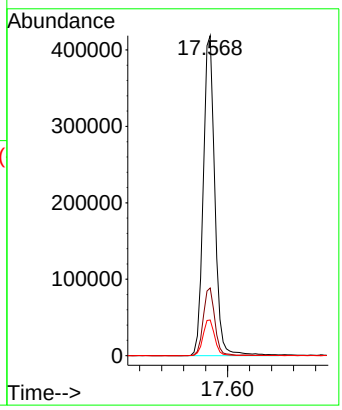
Tgt Ion:167 Resp: 61022

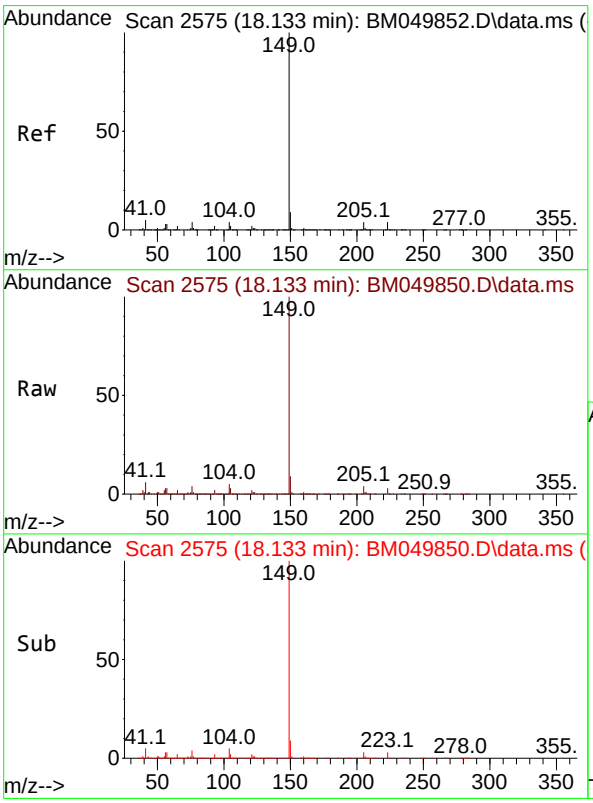
Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	11.1	9.3	13.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

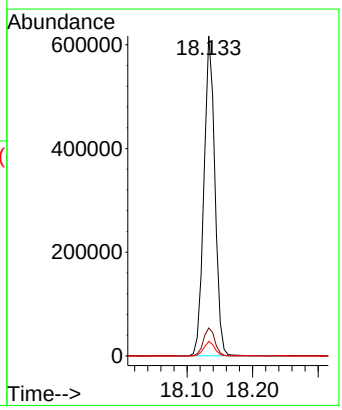


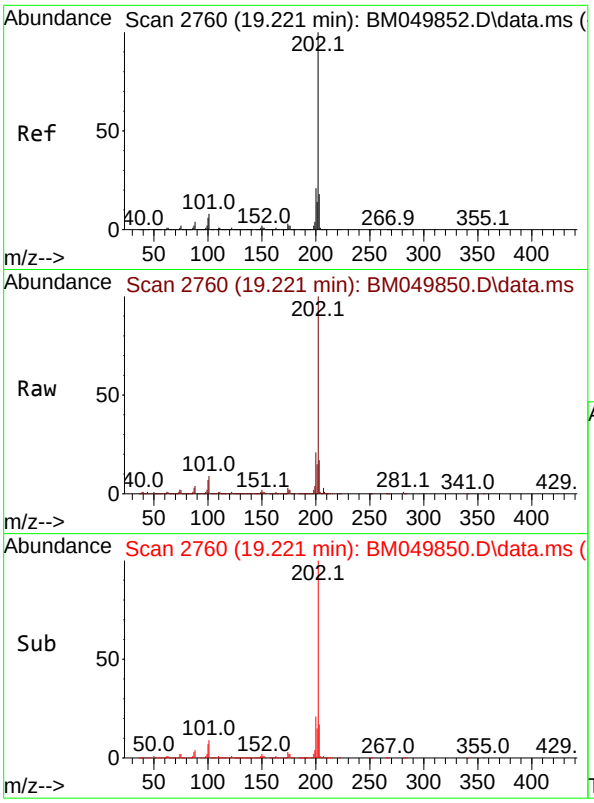


#74
Di-n-butylphthalate
Concen: 9.557 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 717993

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.5	11.3
104	4.6	3.5	5.3





#75
Fluoranthene
Concen: 8.947 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

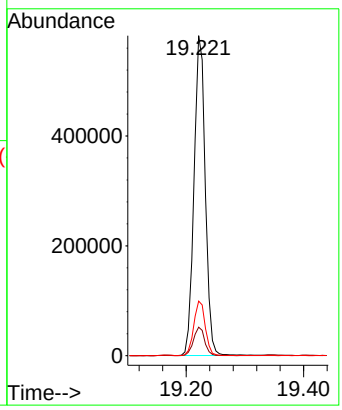
Tgt Ion:202 Resp: 77298

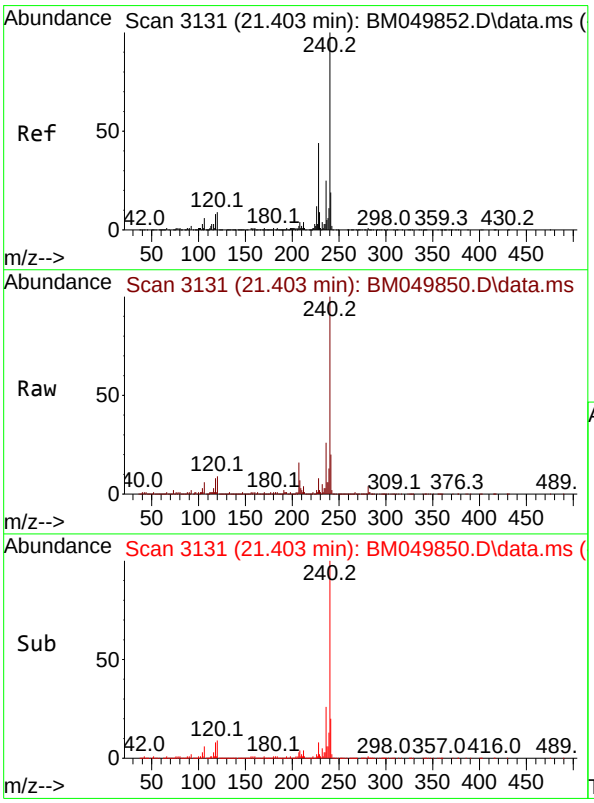
Ion	Ratio	Lower	Upper
202	100		
101	8.9	0.0	28.4
203	17.0	0.0	37.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

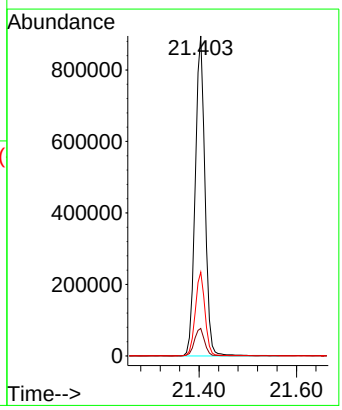


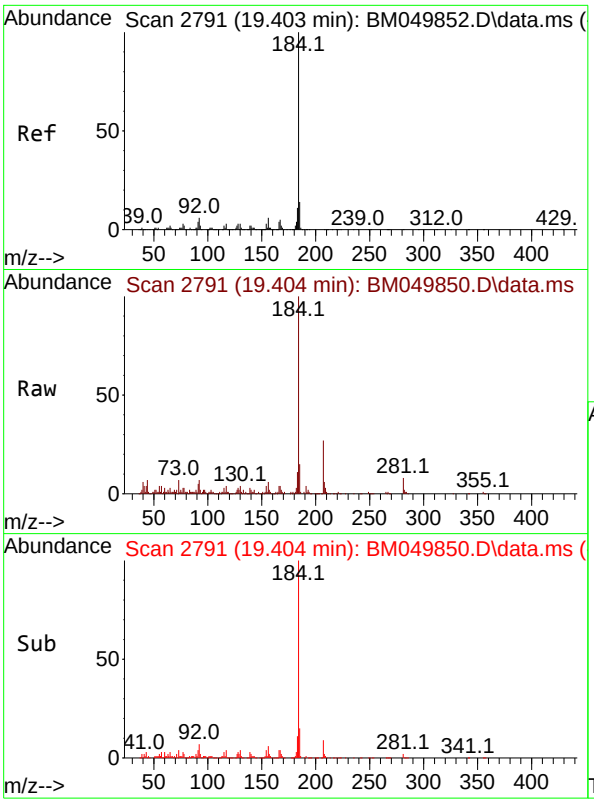


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:240 Resp: 1251521

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.9	10.3
236	26.2	20.4	30.6

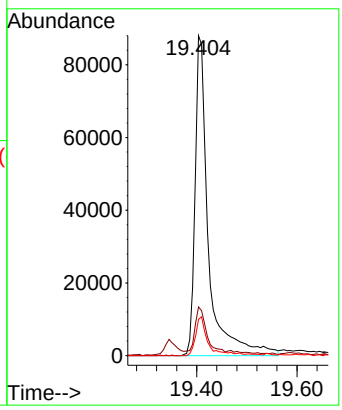




#77
Benzidine
Concen: 9.814 ng
RT: 19.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:184 Resp: 16294

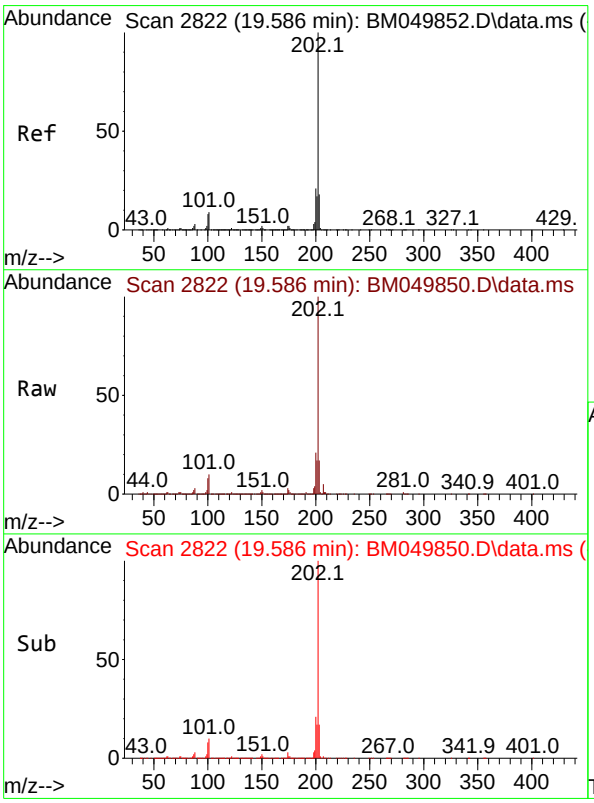
Ion	Ratio	Lower	Upper
184	100		
185	15.2	11.4	17.2
183	11.3	8.8	13.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

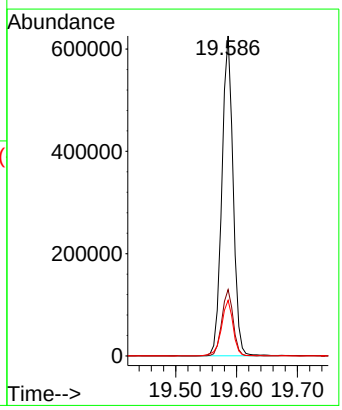
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

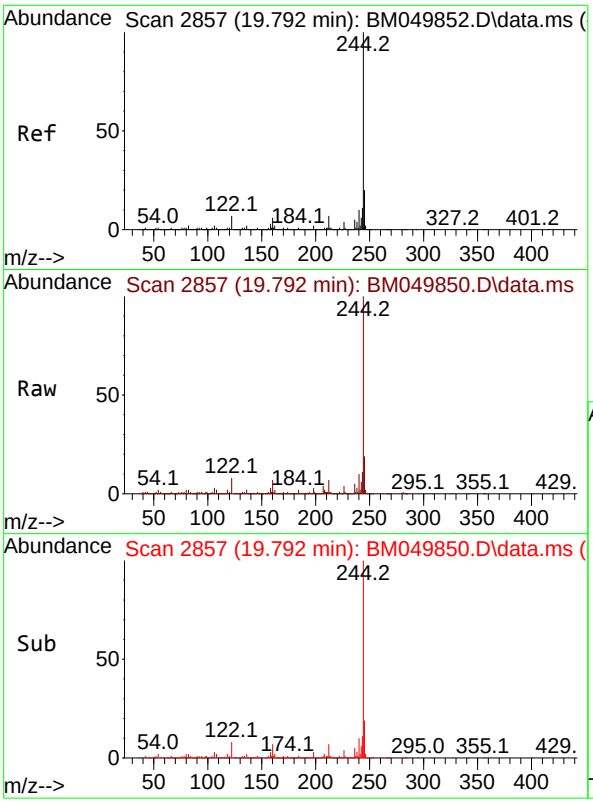


#78
Pyrene
Concen: 9.286 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:202 Resp: 800964

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.5	24.7
203	17.4	14.0	21.0

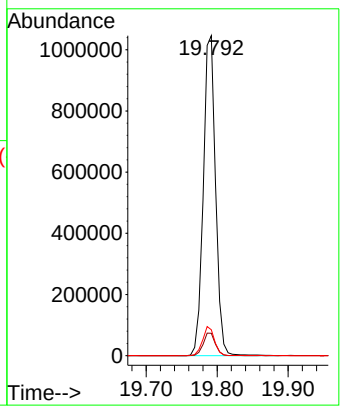




#79
Terphenyl-d14
Concen: 18.825 ng
RT: 19.792 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:244 Resp: 125713

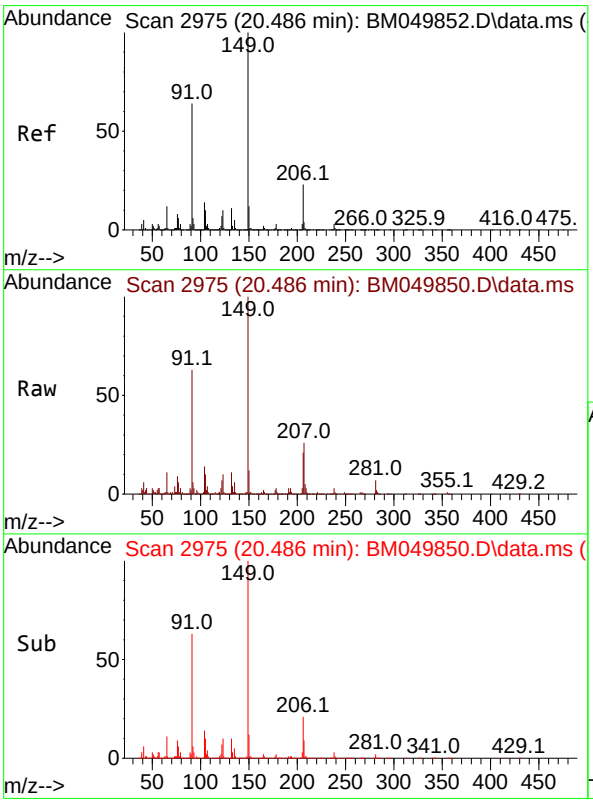
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	8.1	5.4	8.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

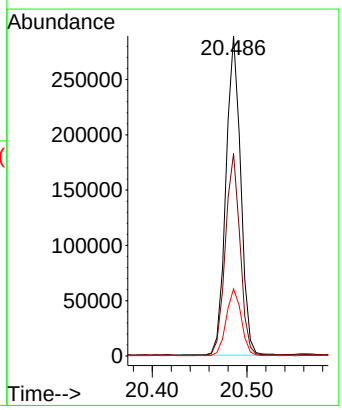
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

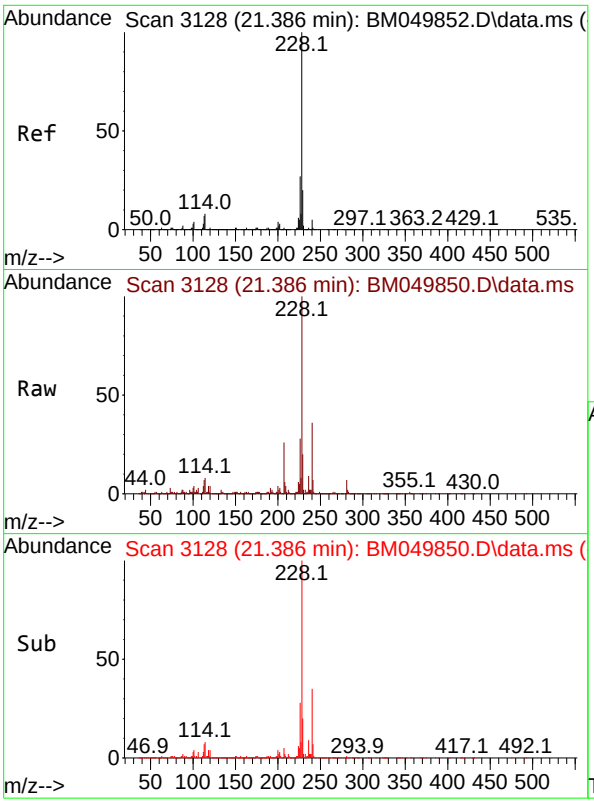


#80
Butylbenzylphthalate
Concen: 9.654 ng
RT: 20.486 min Scan# 2975
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 312899

Ion	Ratio	Lower	Upper
149	100		
91	63.2	50.9	76.3
206	21.0	18.4	27.6

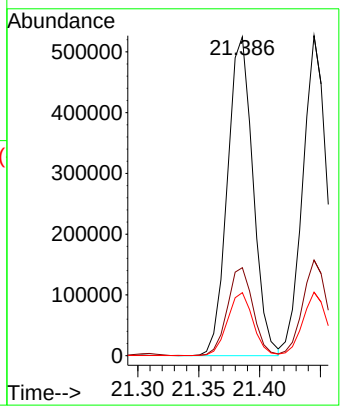




#81
Benzo(a)anthracene
Concen: 9.223 ng
RT: 21.386 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:228 Resp: 76712

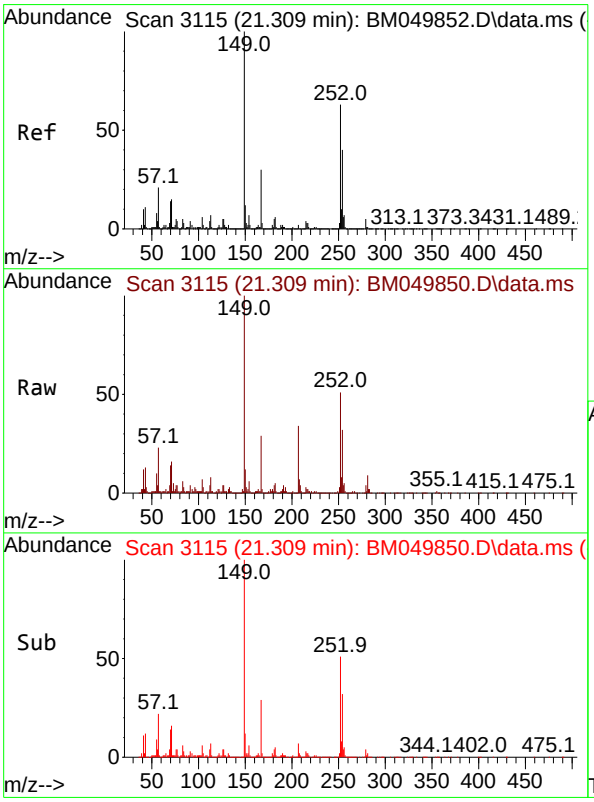
Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	19.7	15.8	23.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

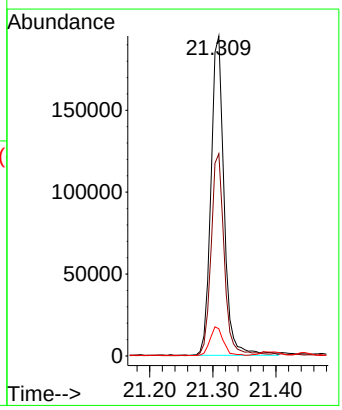
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

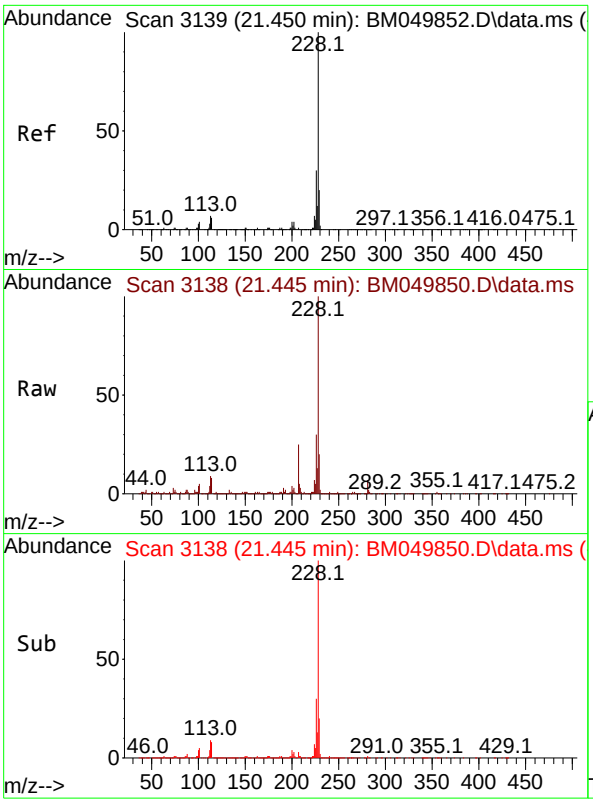


#82
3,3'-Dichlorobenzidine
Concen: 8.960 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:252 Resp: 281424

Ion	Ratio	Lower	Upper
252	100		
254	63.2	51.5	77.3
126	8.5	6.3	9.5

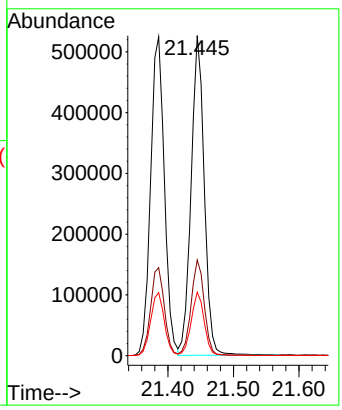




#83
Chrysene
Concen: 9.283 ng
RT: 21.445 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:228 Resp: 73407

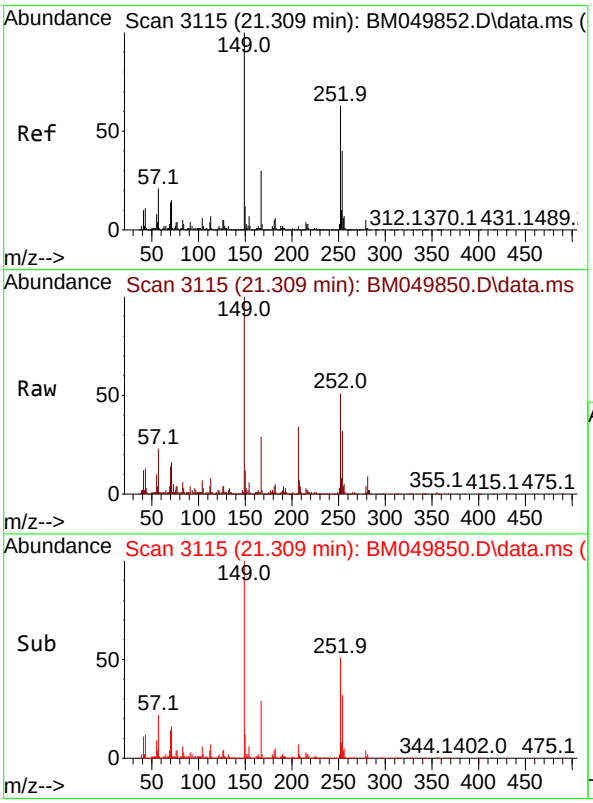
Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.1	36.1
229	19.9	15.8	23.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

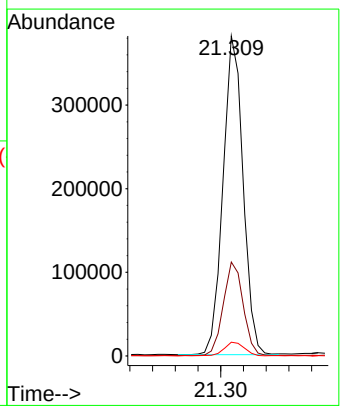
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

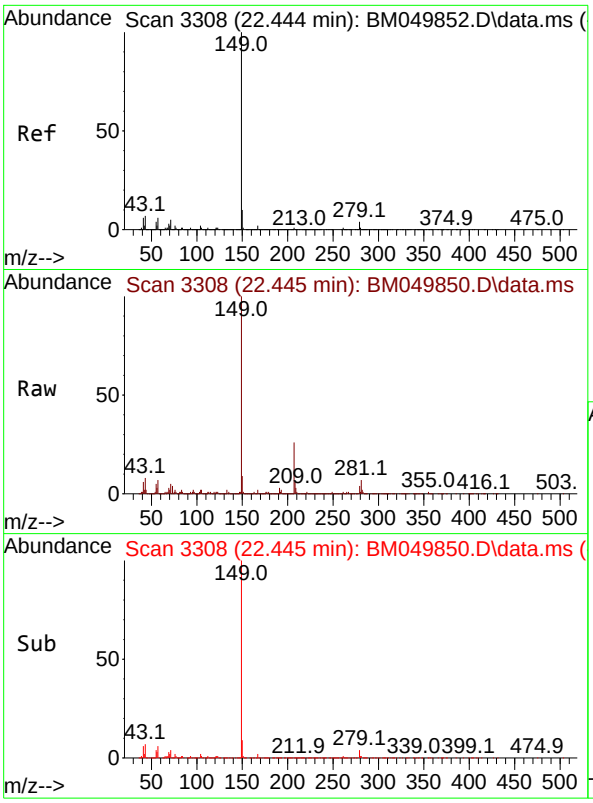


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.903 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 467613

Ion	Ratio	Lower	Upper
149	100		
167	29.3	23.8	35.6
279	4.3	3.8	5.8

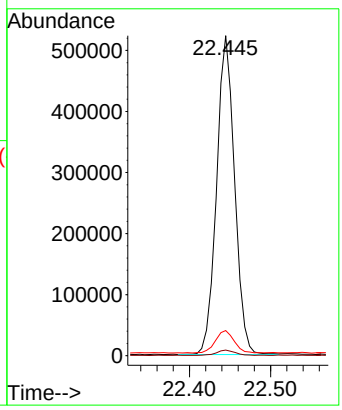




#85
Di-n-octyl phthalate
Concen: 9.750 ng
RT: 22.445 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:149 Resp: 80541

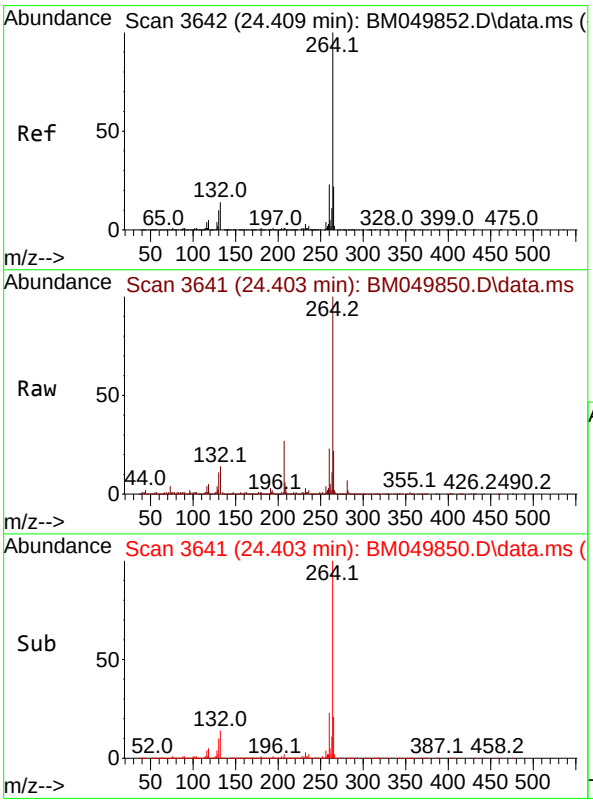
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	7.2	5.8	8.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

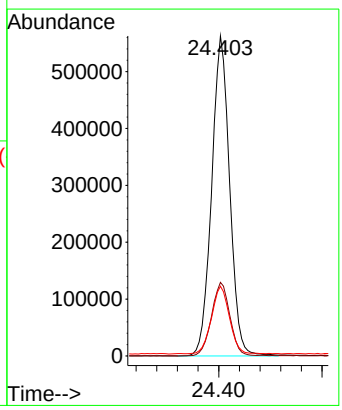
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

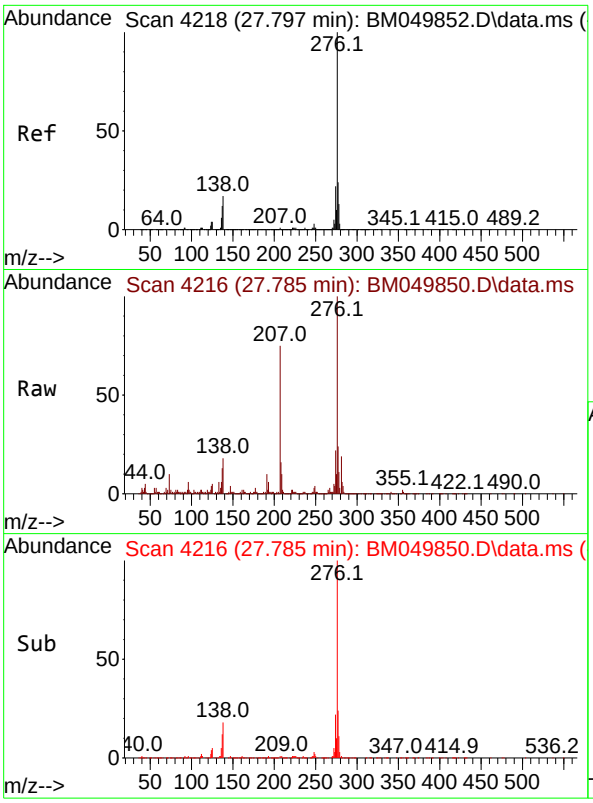


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:264 Resp: 1360976

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	28.0
265	21.8	17.8	26.8

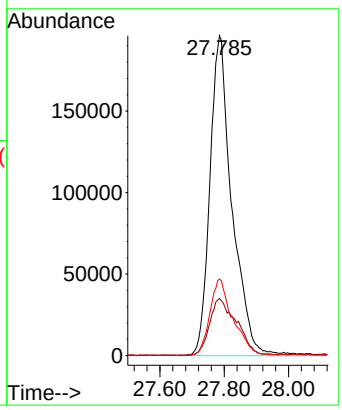




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.177 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:276 Resp: 93100

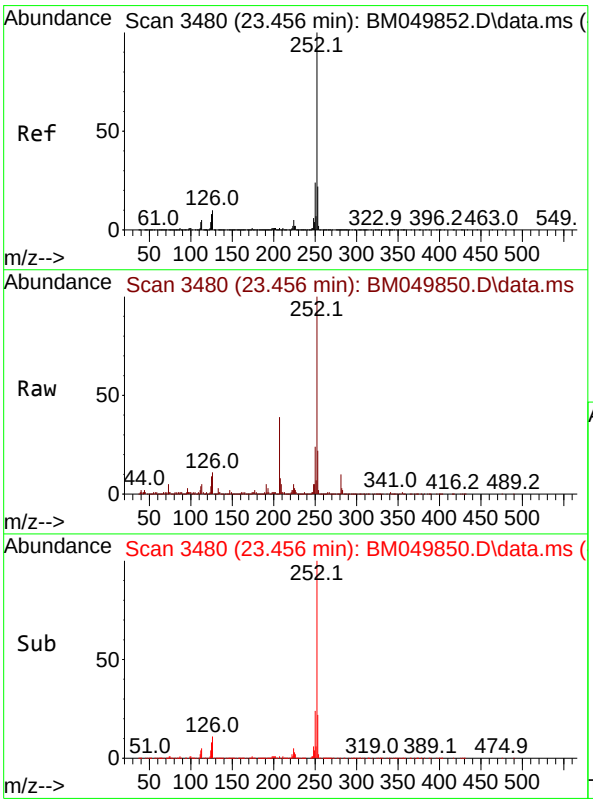
Ion	Ratio	Lower	Upper
276	100		
138	21.6	16.8	25.2
277	24.9	20.1	30.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

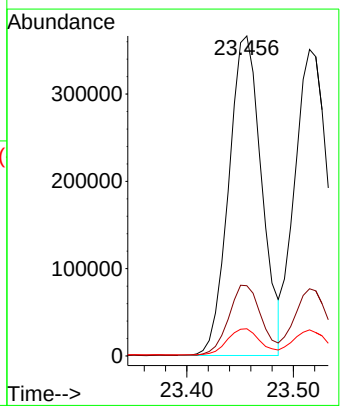
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

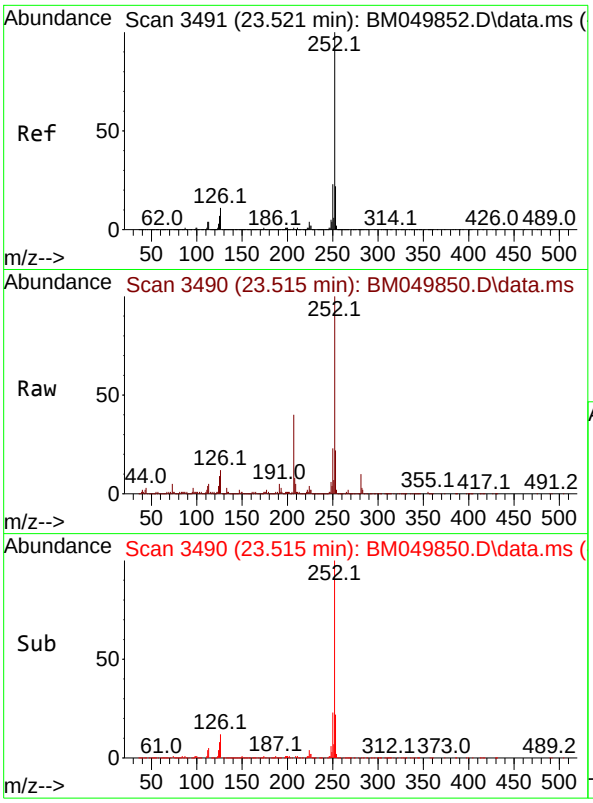


#88
Benzo(b)fluoranthene
Concen: 9.055 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:252 Resp: 787043

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	8.5	6.2	9.4

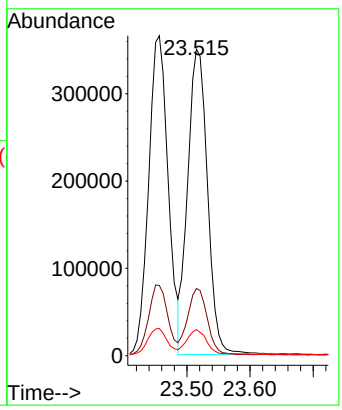




#89
Benzo(k)fluoranthene
Concen: 9.063 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:252 Resp: 76340

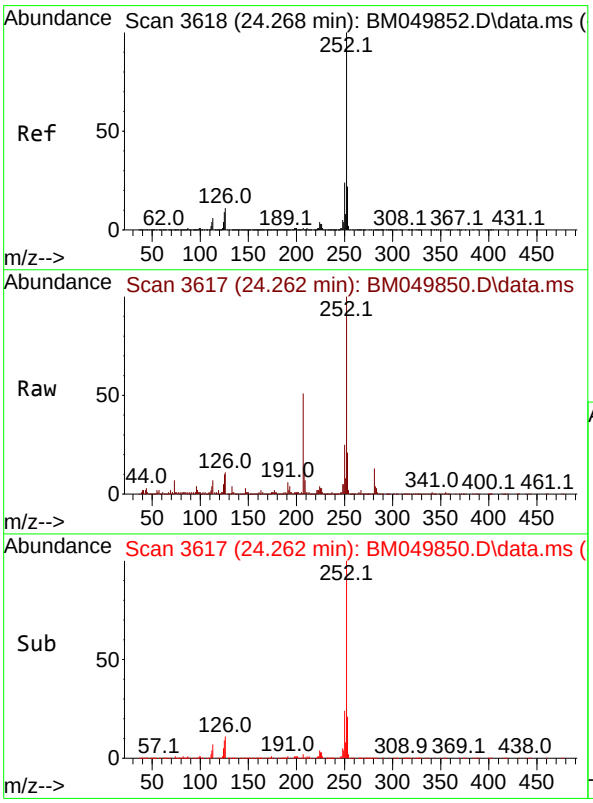
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	8.5	5.8	8.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

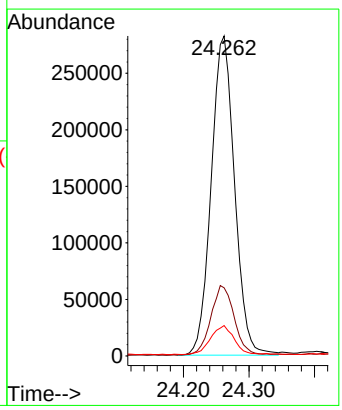
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

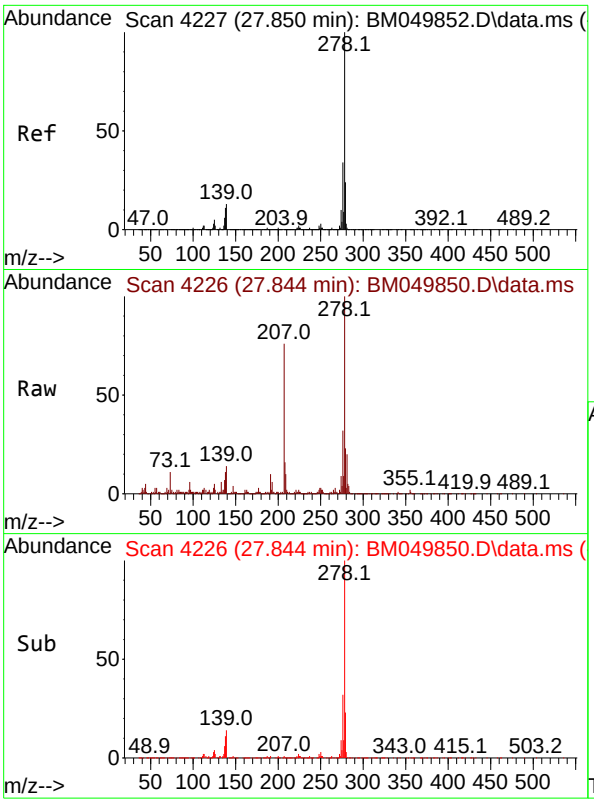


#90
Benzo(a)pyrene
Concen: 9.142 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:252 Resp: 698269

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.8	26.8
125	9.5	7.0	10.4

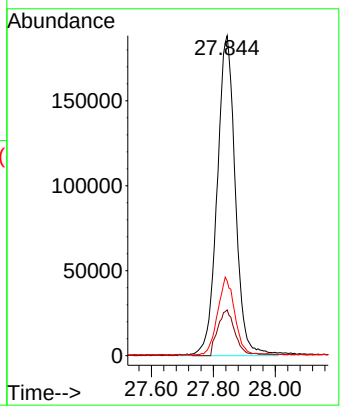




#91
Dibenzo(a,h)anthracene
Concen: 9.188 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:278 Resp: 76780

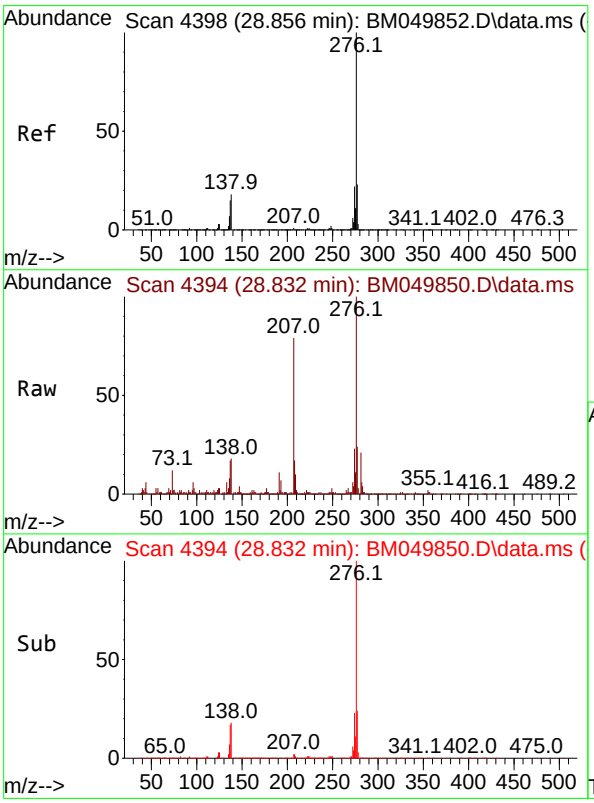
Ion	Ratio	Lower	Upper
278	100		
139	14.3	10.6	15.8
279	23.3	19.1	28.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

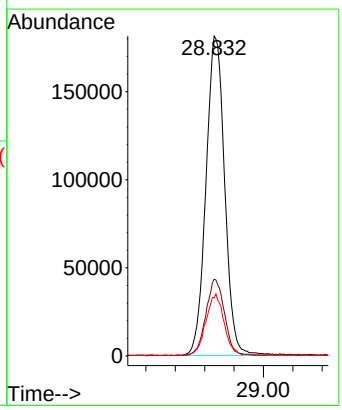
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



#92
Benzo(g,h,i)perylene
Concen: 9.394 ng
RT: 28.832 min Scan# 4394
Delta R.T. -0.023 min
Lab File: BM049850.D
Acq: 08 Apr 2025 14:53

Tgt Ion:276 Resp: 802183

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.7	28.1
138	18.1	14.6	21.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049851.D
Acq On : 08 Apr 2025 15:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Apr 09 03:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	318059	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1116195	20.000	ng		0.00
39) Acenaphthene-d10	14.422	164	702854	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1378813	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1339758	20.000	ng		0.00
86) Perylene-d12	24.403	264	1486954	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	771430	41.186	ng		0.00
7) Phenol-d6	6.951	99	968531	41.560	ng		0.00
23) Nitrobenzene-d5	8.934	82	817733	40.795	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	393158	38.457	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	2107153	40.653	ng		0.00
79) Terphenyl-d14	19.792	244	3051000	42.677	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	159450	20.670	ng		99
3) Pyridine	3.663	79	420529	20.757	ng		99
4) n-Nitrosodimethylamine	3.569	42	157731	20.450	ng		96
6) Aniline	7.104	93	443873	22.228	ng		100
8) 2-Chlorophenol	7.346	128	397524	20.710	ng		99
9) Benzaldehyde	6.916	77	266386	22.294	ng		99
10) Phenol	6.975	94	471508	20.733	ng		99
11) bis(2-Chloroethyl)ether	7.198	93	364893	20.461	ng		98
12) 1,3-Dichlorobenzene	7.669	146	469124	20.672	ng		100
13) 1,4-Dichlorobenzene	7.816	146	473136	20.720	ng		100
14) 1,2-Dichlorobenzene	8.134	146	446077	20.740	ng		99
15) Benzyl Alcohol	8.016	79	302185	20.592	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.310	45	417355	20.996	ng		99
17) 2-Methylphenol	8.222	107	291405	20.793	ng		99
18) Hexachloroethane	8.857	117	165304	20.807	ng		98
19) n-Nitroso-di-n-propyla...	8.581	70	273519	21.191	ng		99
20) 3+4-Methylphenols	8.551	107	396422	20.748	ng		98
22) Acetophenone	8.598	105	554070	20.425	ng	#	99
24) Nitrobenzene	8.975	77	395594	20.496	ng		99
25) Isophorone	9.504	82	683707	20.361	ng		100
26) 2-Nitrophenol	9.687	139	203797	19.922	ng		97
27) 2,4-Dimethylphenol	9.751	122	231983	20.010	ng		100
28) bis(2-Chloroethoxy)met...	9.981	93	459217	20.427	ng		99
29) 2,4-Dichlorophenol	10.222	162	388584	20.164	ng		99
30) 1,2,4-Trichlorobenzene	10.439	180	448099	20.099	ng		100
31) Naphthalene	10.622	128	1166673	20.341	ng		99
32) Benzoic acid	9.839	122	195350	19.812	ng		97
33) 4-Chloroaniline	10.728	127	420078	20.742	ng		99
34) Hexachlorobutadiene	10.916	225	273841	19.857	ng		99
35) Caprolactam	11.504	113	111645	20.199	ng		98
36) 4-Chloro-3-methylphenol	11.863	107	340457	20.168	ng		98
37) 2-Methylnaphthalene	12.239	142	813541	20.132	ng		100
38) 1-Methylnaphthalene	12.457	142	793590	20.158	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	489705	19.915	ng		99
41) Hexachlorocyclopentadiene	12.592	237	173683	20.158	ng		99
43) 2,4,6-Trichlorophenol	12.851	196	311742	19.924	ng		97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049851.D
Acq On : 08 Apr 2025 15:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Apr 09 03:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	332054	19.528	ng	96
46) 1,1'-Biphenyl	13.251	154	1063836	20.361	ng	99
47) 2-Chloronaphthalene	13.292	162	835052	20.334	ng	100
48) 2-Nitroaniline	13.492	65	191426	20.149	ng	94
49) Acenaphthylene	14.145	152	1207654	20.189	ng	99
50) Dimethylphthalate	13.880	163	1005157	20.271	ng	100
51) 2,6-Dinitrotoluene	13.992	165	212702	20.474	ng	98
52) Acenaphthene	14.486	154	765635	20.122	ng	99
53) 3-Nitroaniline	14.322	138	203884	20.306	ng	98
54) 2,4-Dinitrophenol	14.533	184	104048	19.806	ng	97
55) Dibenzofuran	14.822	168	1280124	20.125	ng	99
56) 4-Nitrophenol	14.639	139	180482	20.171	ng	98
57) 2,4-Dinitrotoluene	14.780	165	277724	20.039	ng	99
58) Fluorene	15.469	166	1019442	20.163	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	292142	19.603	ng	99
60) Diethylphthalate	15.245	149	968568	20.369	ng	100
61) 4-Chlorophenyl-phenyle...	15.463	204	535017	19.737	ng	96
62) 4-Nitroaniline	15.480	138	211717	20.390	ng	93
63) Azobenzene	15.757	77	832670	20.453	ng	99
65) 4,6-Dinitro-2-methylph...	15.545	198	164040	18.880	ng	94
66) n-Nitrosodiphenylamine	15.680	169	835415	20.246	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	312714	19.537	ng	97
68) Hexachlorobenzene	16.474	284	361698	19.701	ng	96
69) Atrazine	16.627	200	195306	18.255	ng	98
70) Pentachlorophenol	16.821	266	263410	19.488	ng	99
71) Phenanthrene	17.210	178	1510233	19.979	ng	99
72) Anthracene	17.298	178	1481463	19.887	ng	100
73) Carbazole	17.568	167	1411278	20.114	ng	98
74) Di-n-butylphthalate	18.133	149	1638787	20.278	ng	99
75) Fluoranthene	19.221	202	1806131	19.433	ng	99
77) Benzidine	19.409	184	274181	15.426	ng	99
78) Pyrene	19.586	202	1868988	20.242	ng	99
80) Butylbenzylphthalate	20.486	149	719491	20.738	ng	98
81) Benzo(a)anthracene	21.386	228	1788846	20.090	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	658767	19.592	ng	99
83) Chrysene	21.445	228	1689336	19.957	ng	100
84) Bis(2-ethylhexyl)phtha...	21.309	149	1058190	20.934	ng	99
85) Di-n-octyl phthalate	22.445	149	1830449	20.699	ng	100
87) Indeno(1,2,3-cd)pyrene	27.785	276	2199957	19.848	ng	99
88) Benzo(b)fluoranthene	23.456	252	1818051	19.144	ng	99
89) Benzo(k)fluoranthene	23.521	252	1797007	19.527	ng	99
90) Benzo(a)pyrene	24.262	252	1629441	19.526	ng	99
91) Dibenzo(a,h)anthracene	27.844	278	1792231	19.631	ng	100
92) Benzo(g,h,i)perylene	28.844	276	1866337	20.005	ng	98

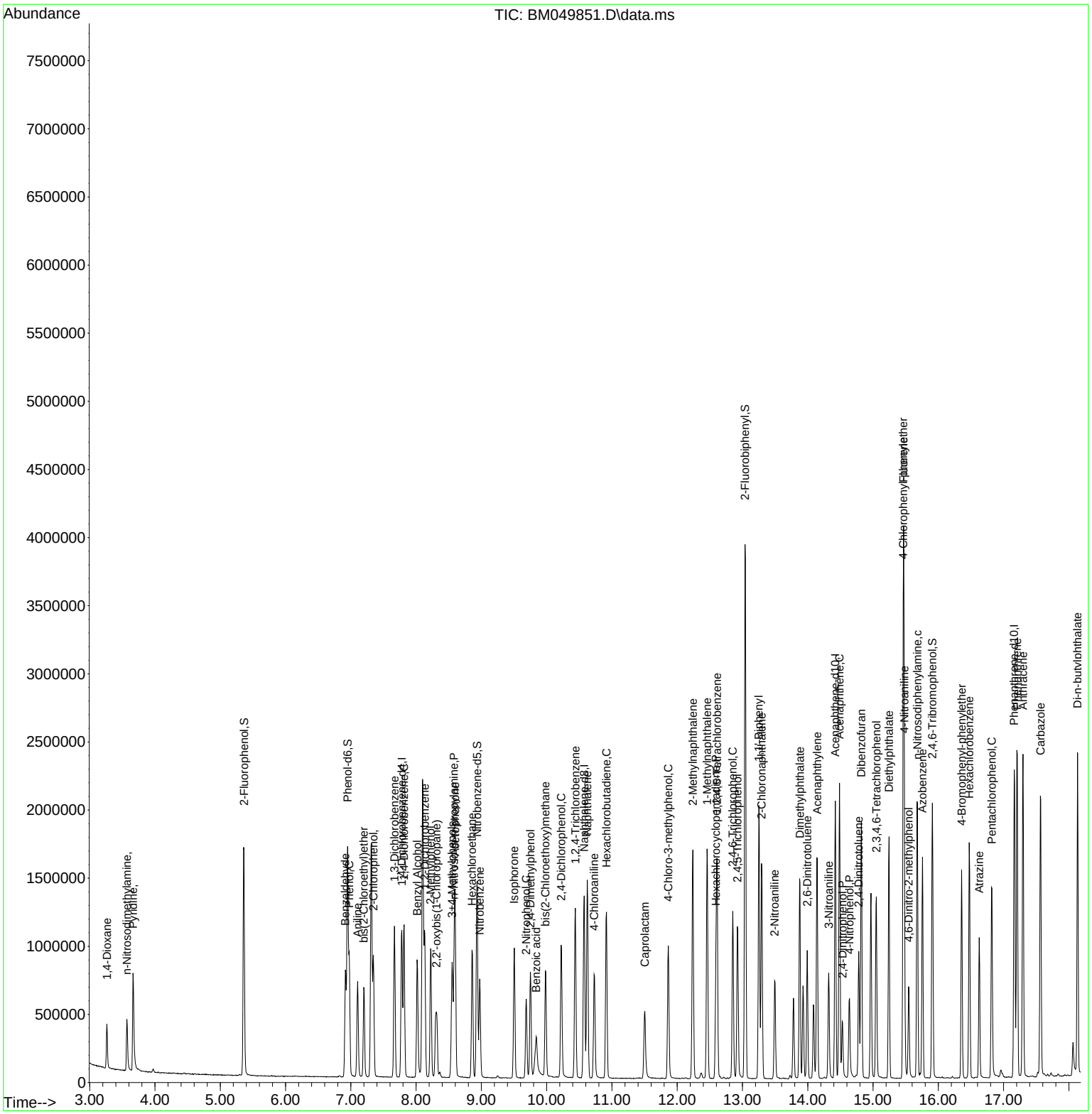
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049851.D
Acq On : 08 Apr 2025 15:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

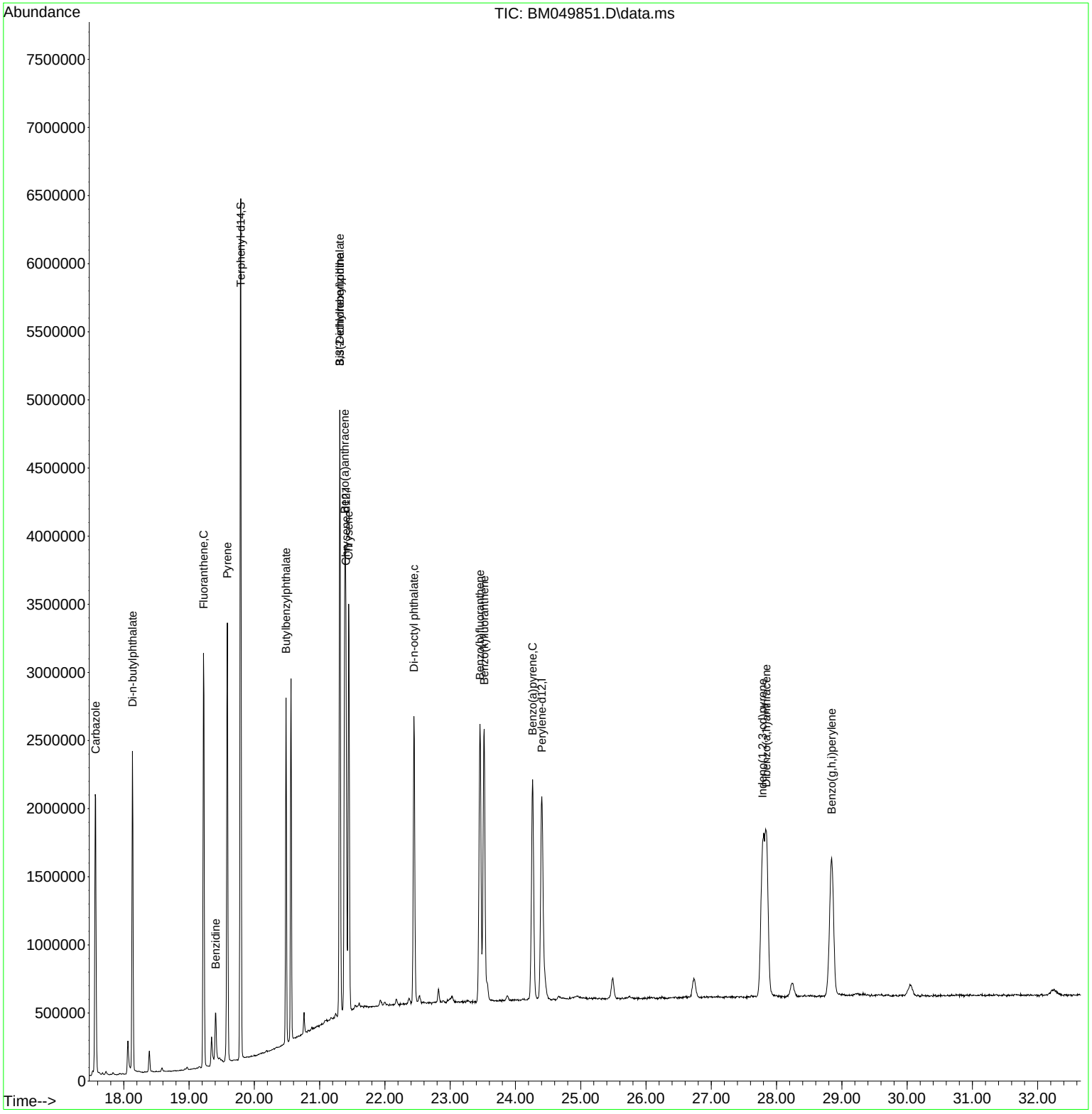
Quant Time: Apr 09 03:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

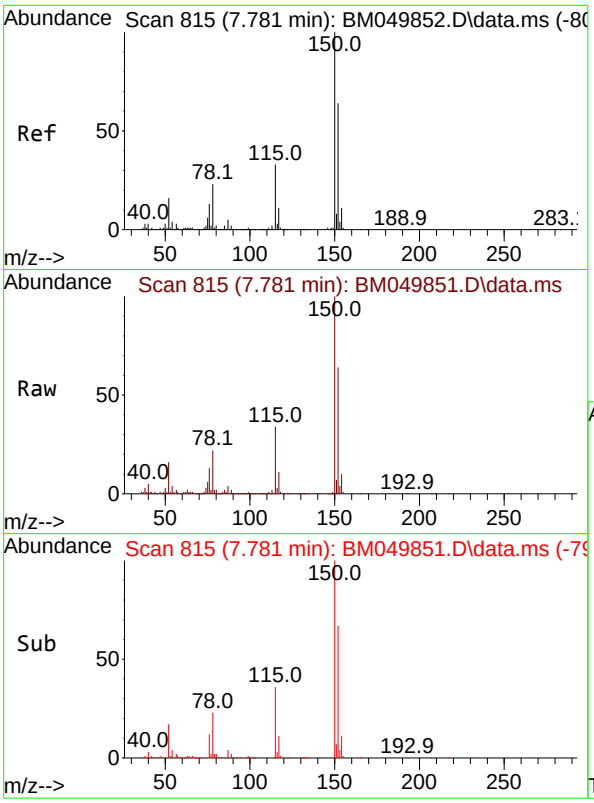


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049851.D
Acq On : 08 Apr 2025 15:32
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Quant Time: Apr 09 03:01:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



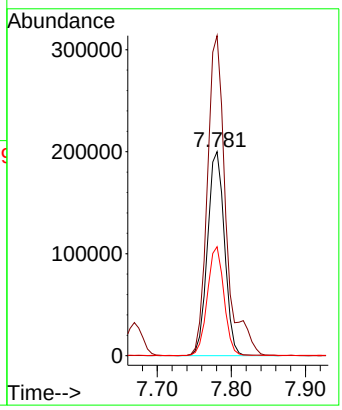


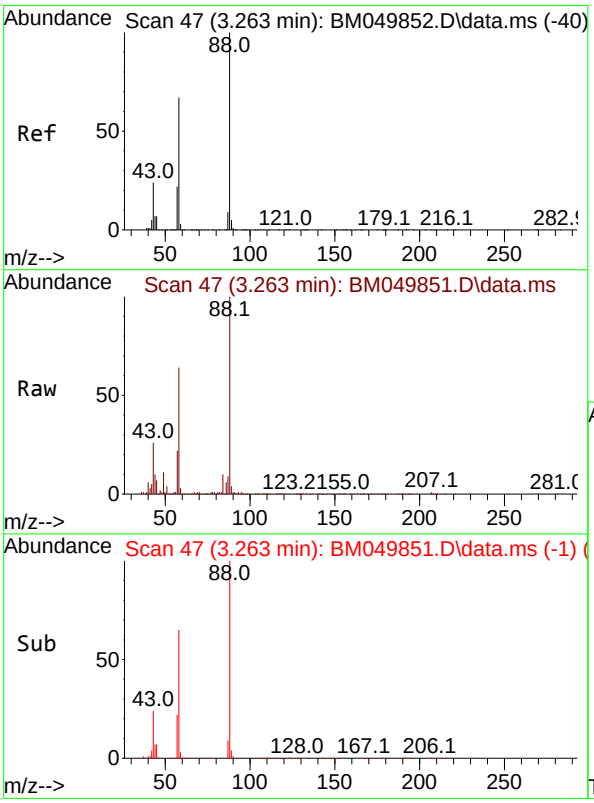
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 318059

Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.3	186.5
115	53.4	41.1	61.7

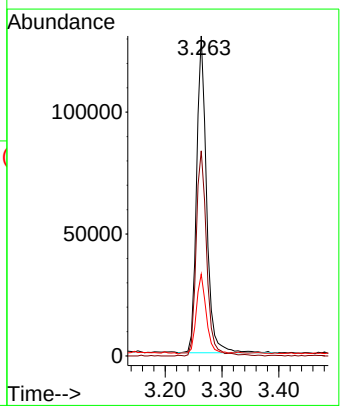


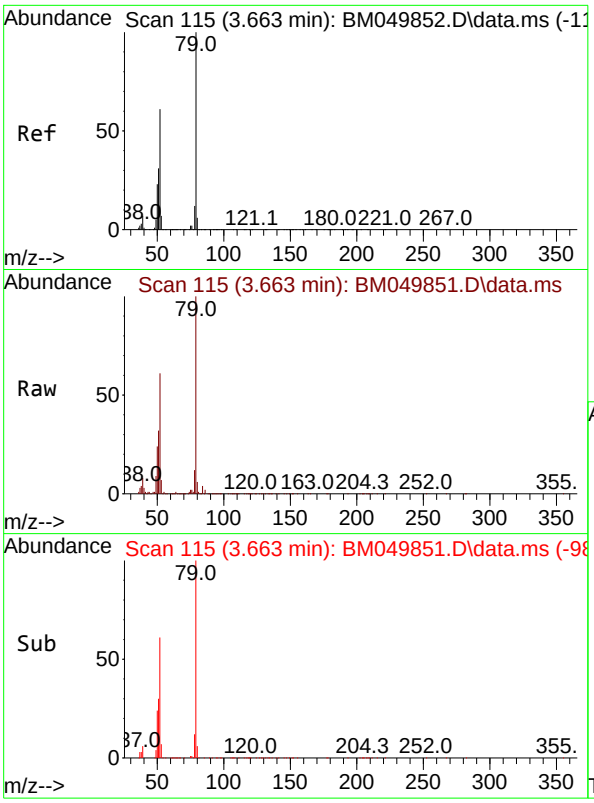


#2
1,4-Dioxane
Concen: 20.670 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 88 Resp: 159450

Ion	Ratio	Lower	Upper
88	100		
58	68.5	54.1	81.1
43	25.5	20.2	30.4



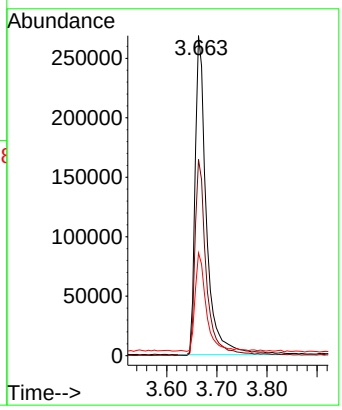


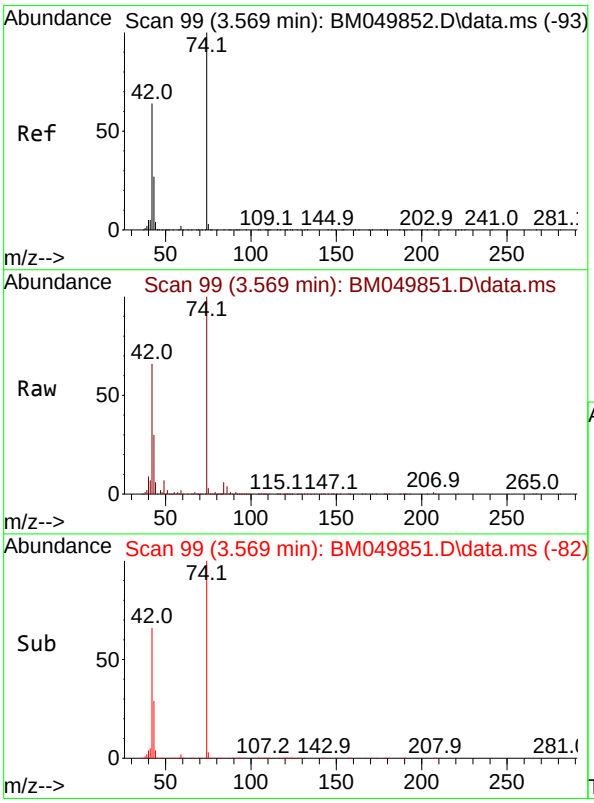
#3
Pyridine
Concen: 20.757 ng
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 420529

Ion	Ratio	Lower	Upper
79	100		
52	61.3	48.9	73.3
51	32.1	25.0	37.6

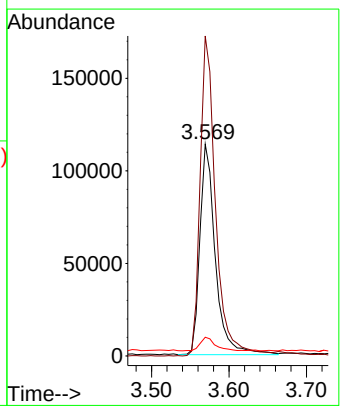


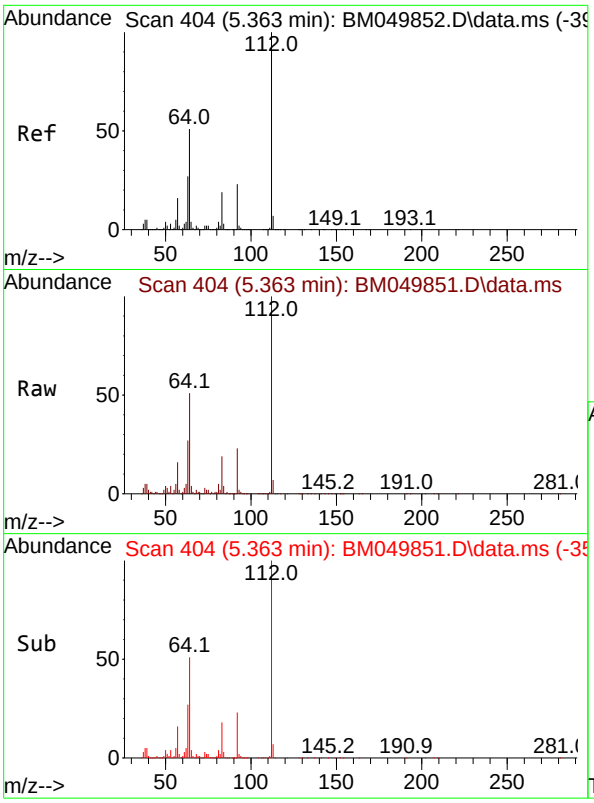


#4
n-Nitrosodimethylamine
Concen: 20.450 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 42 Resp: 157731

Ion	Ratio	Lower	Upper
42	100		
74	151.1	125.4	188.2
44	8.9	5.9	8.9



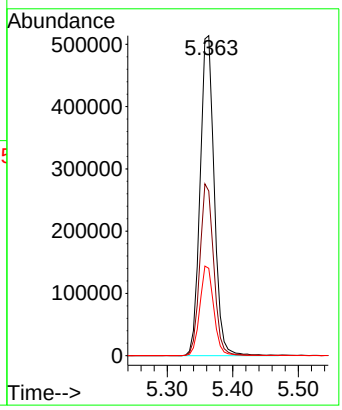


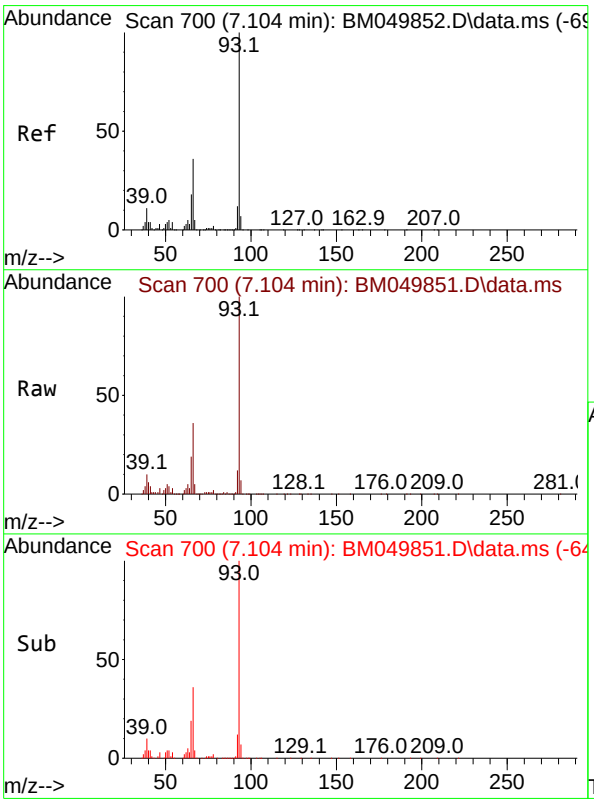
#5
2-Fluorophenol
Concen: 41.186 ng
RT: 5.363 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 771430

Ion	Ratio	Lower	Upper
112	100		
64	51.5	41.0	61.6
63	27.3	21.5	32.3

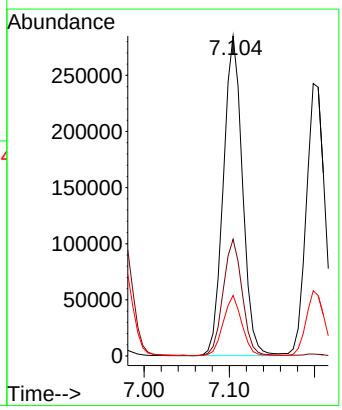


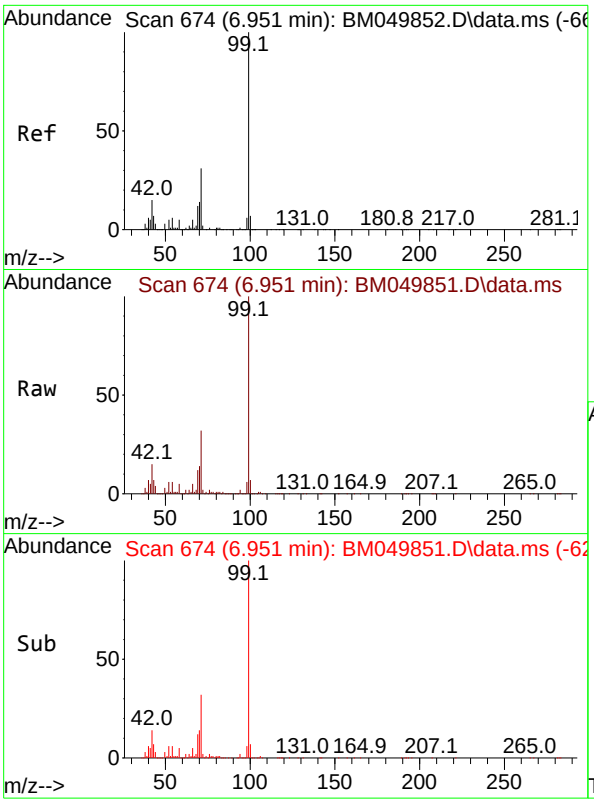


#6
Aniline
Concen: 22.228 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 93 Resp: 443873

Ion	Ratio	Lower	Upper
93	100		
66	36.4	29.1	43.7
65	18.9	14.9	22.3



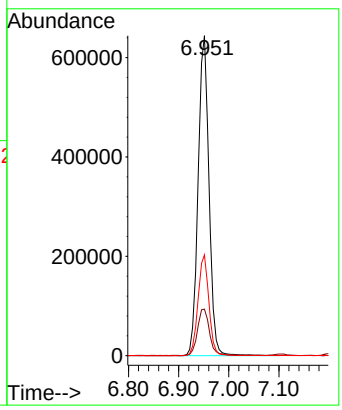


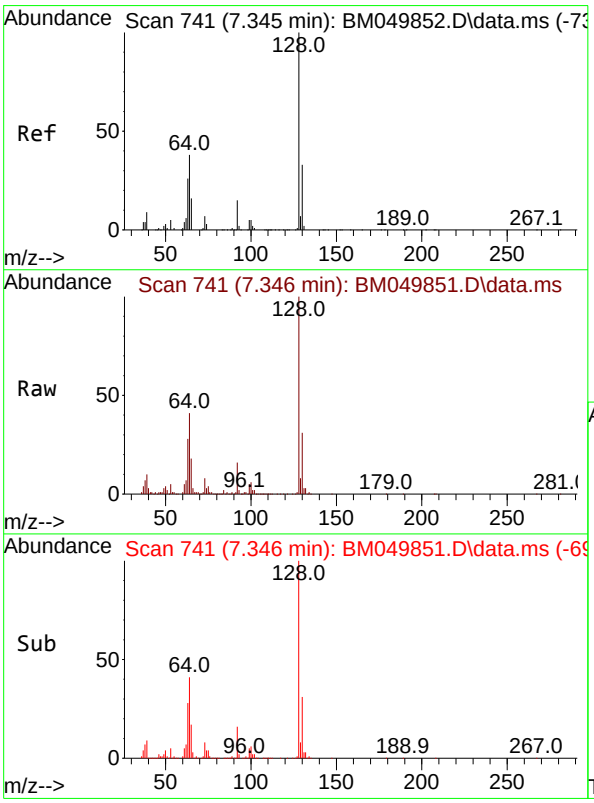
#7
Phenol-d6
Concen: 41.560 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 968531

Ion	Ratio	Lower	Upper
99	100		
42	14.6	12.1	18.1
71	31.5	24.9	37.3

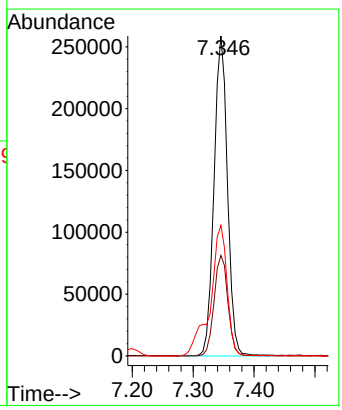


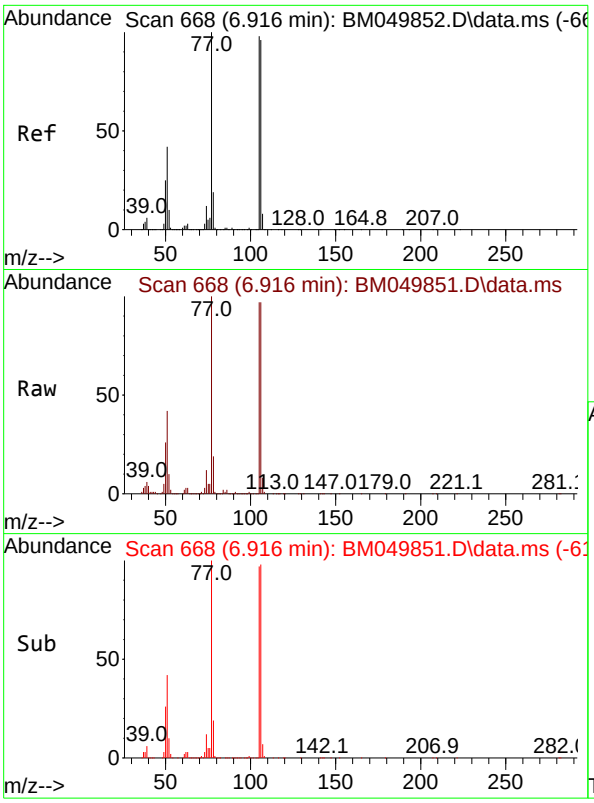


#8
2-Chlorophenol
Concen: 20.710 ng
RT: 7.346 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:128 Resp: 397524

Ion	Ratio	Lower	Upper
128	100		
130	31.4	12.6	52.6
64	40.8	21.1	61.1



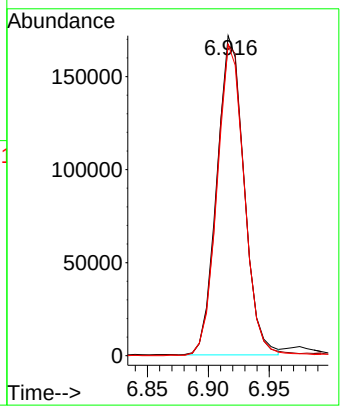


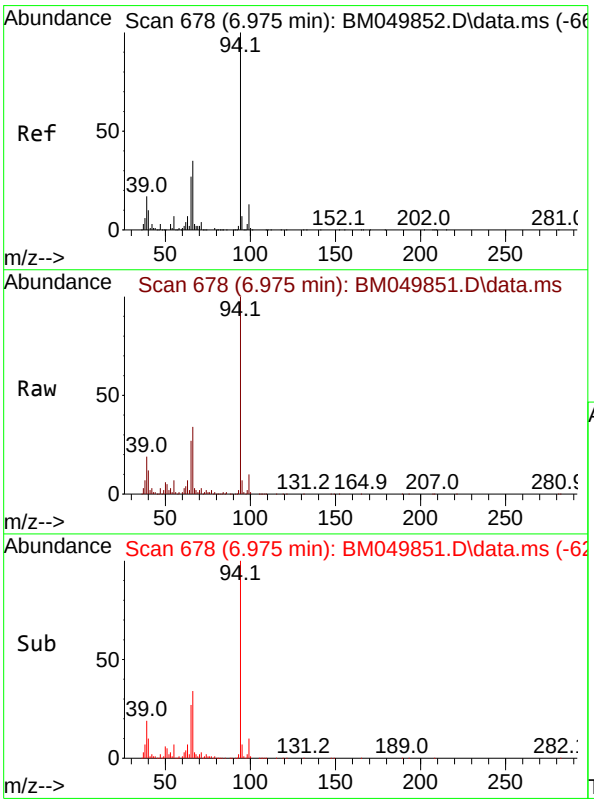
#9
Benzaldehyde
Concen: 22.294 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 266386

Ion	Ratio	Lower	Upper
77	100		
105	97.1	78.3	118.3
106	97.4	76.0	116.0

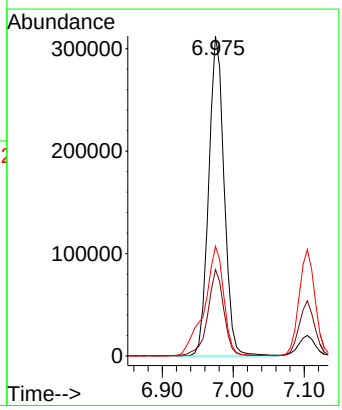


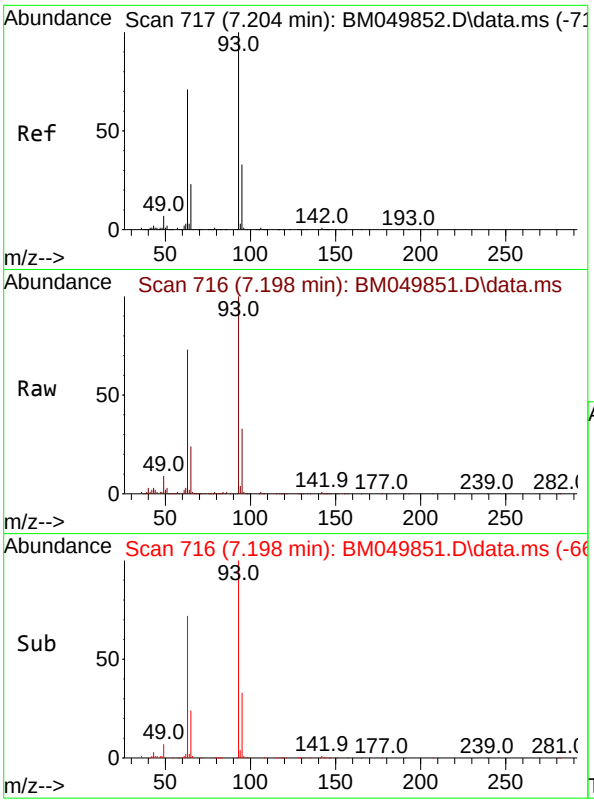


#10
Phenol
Concen: 20.733 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 94 Resp: 471508

Ion	Ratio	Lower	Upper
94	100		
65	27.0	7.3	47.3
66	34.3	14.8	54.8



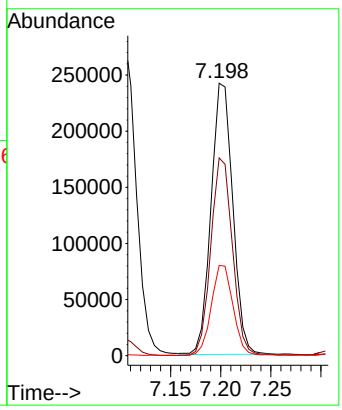


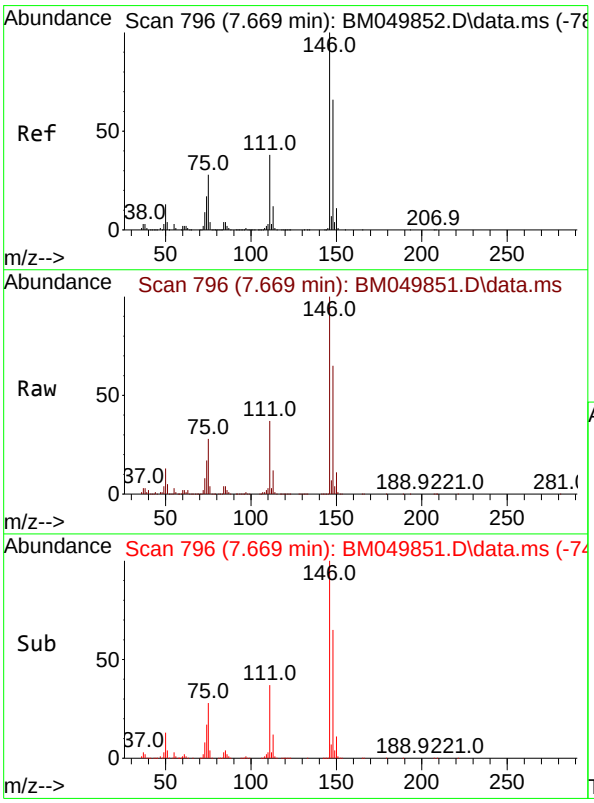
#11
bis(2-Chloroethyl)ether
Concen: 20.461 ng
RT: 7.198 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 364893

Ion	Ratio	Lower	Upper
93	100		
63	72.6	50.9	90.9
95	33.1	12.6	52.6

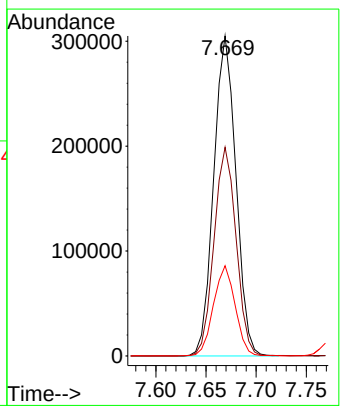


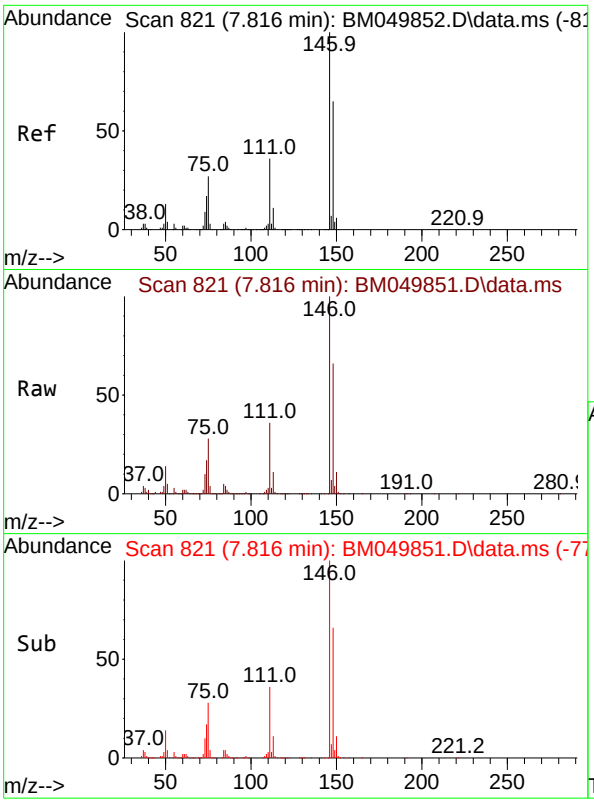


#12
1,3-Dichlorobenzene
Concen: 20.672 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:146 Resp: 469124

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.5	78.7
75	28.2	22.5	33.7



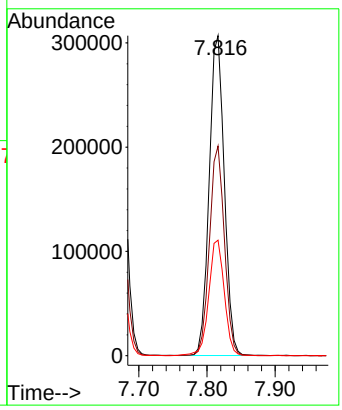


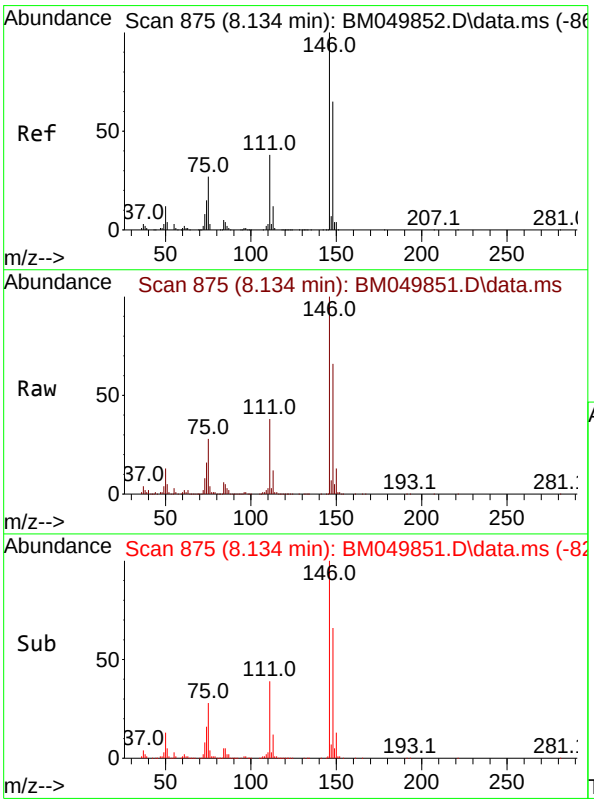
#13
1,4-Dichlorobenzene
Concen: 20.720 ng
RT: 7.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 473136

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.4	78.6
111	36.1	28.5	42.7

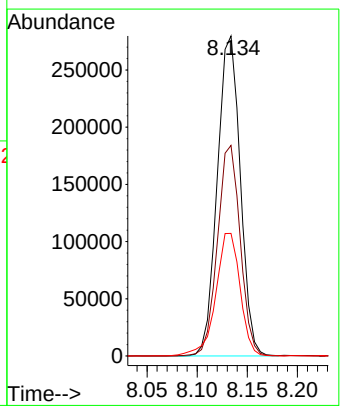


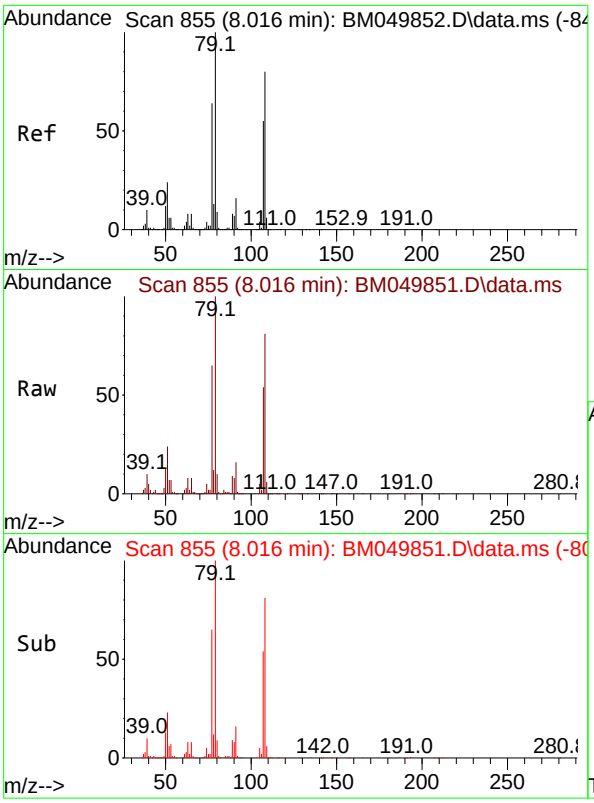


#14
1,2-Dichlorobenzene
Concen: 20.740 ng
RT: 8.134 min Scan# 875
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:146 Resp: 446077

Ion	Ratio	Lower	Upper
146	100		
148	65.8	51.8	77.8
111	38.3	30.2	45.4



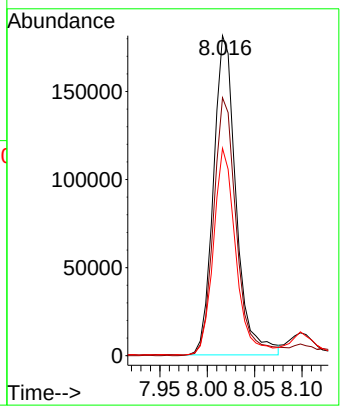


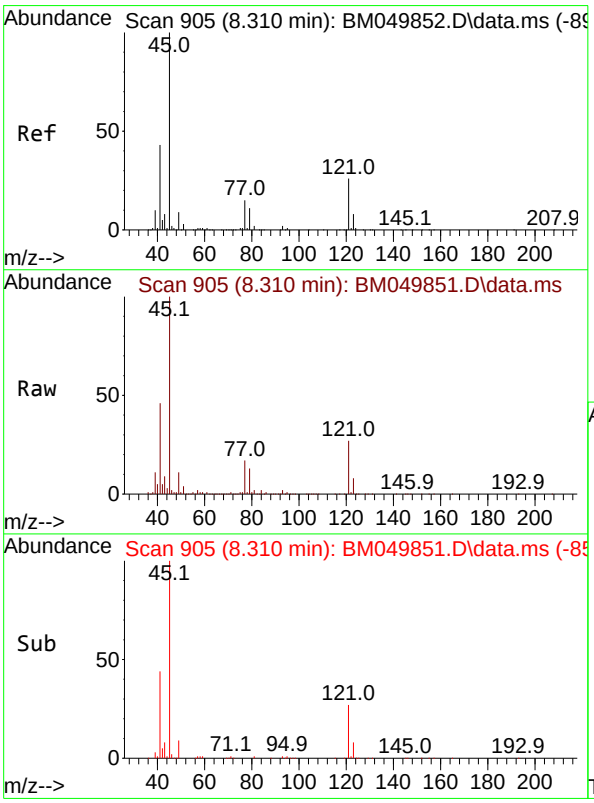
#15
Benzyl Alcohol
Concen: 20.592 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 302185

Ion	Ratio	Lower	Upper
79	100		
108	80.6	63.6	95.4
77	64.8	51.3	76.9

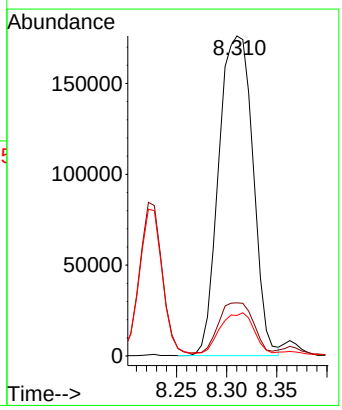


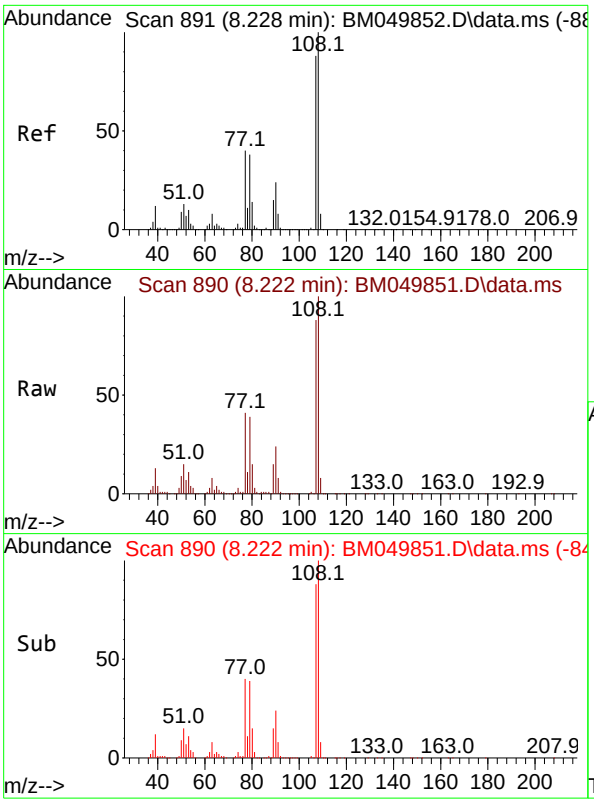


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.996 ng
RT: 8.310 min Scan# 905
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 45 Resp: 417355

Ion	Ratio	Lower	Upper
45	100		
77	16.6	0.0	36.9
79	12.7	0.0	32.9



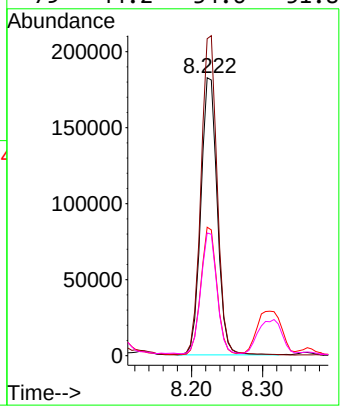


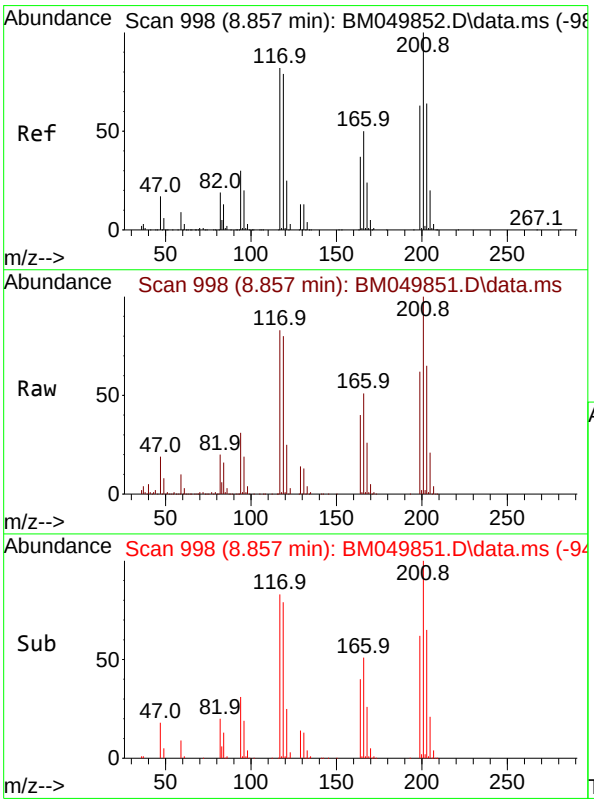
#17
2-Methylphenol
Concen: 20.793 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 291405

Ion	Ratio	Lower	Upper
107	100		
108	114.0	91.0	136.6
77	46.2	36.5	54.7
79	44.2	34.6	51.8

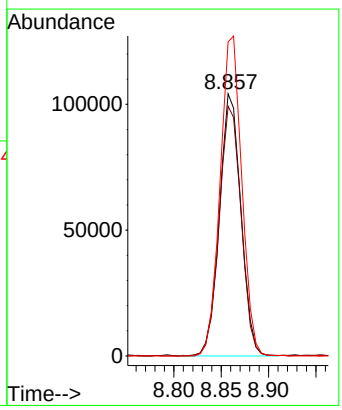


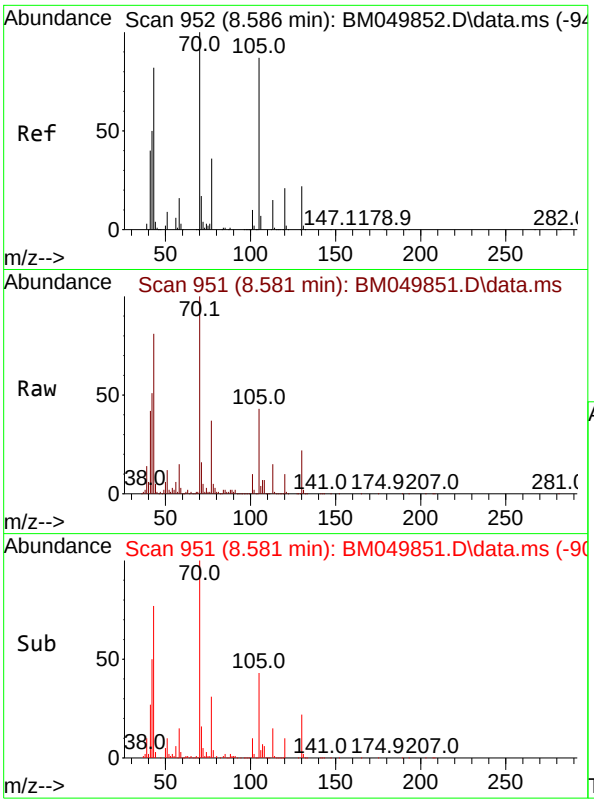


#18
Hexachloroethane
Concen: 20.807 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:117 Resp: 165304

Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.5	116.3
201	119.8	97.7	146.5



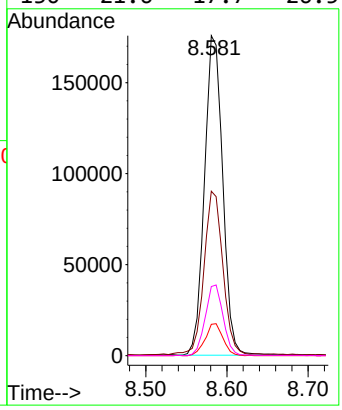


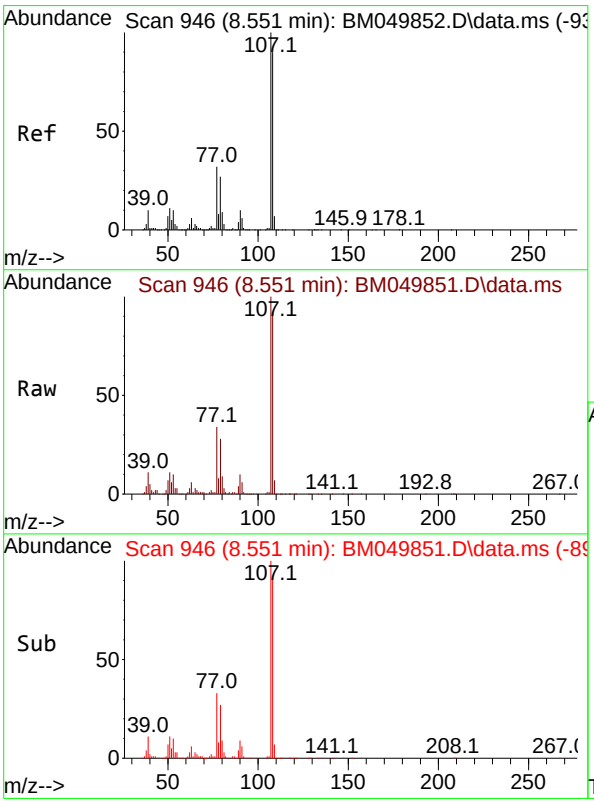
#19
n-Nitroso-di-n-propylamine
Concen: 21.191 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 273519

Ion	Ratio	Lower	Upper
70	100		
42	51.4	40.2	60.2
101	9.8	7.9	11.9
130	21.6	17.7	26.5

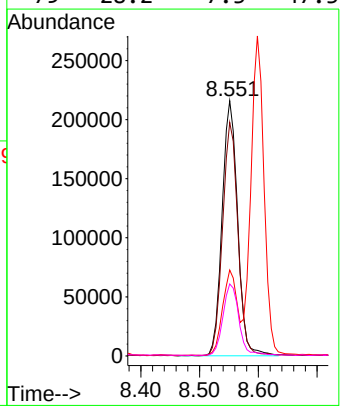


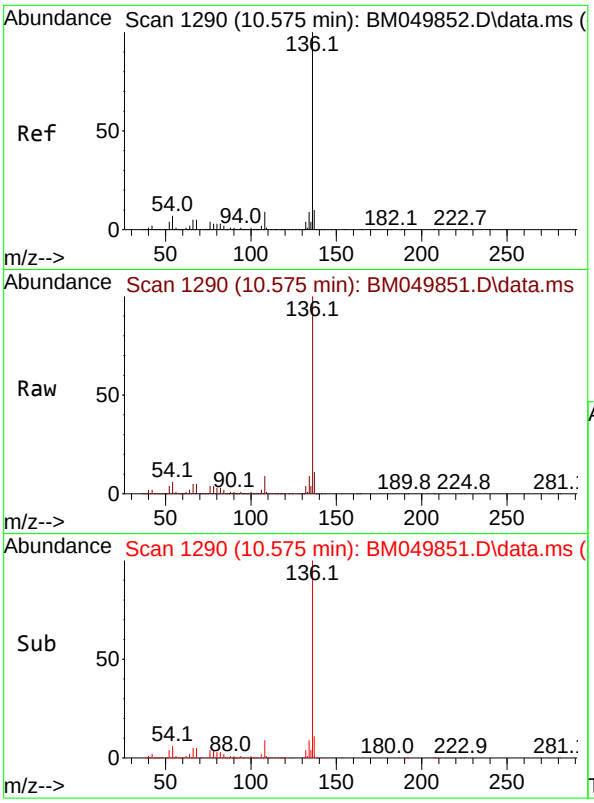


#20
3+4-Methylphenols
Concen: 20.748 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:107 Resp: 396422

Ion	Ratio	Lower	Upper
107	100		
108	91.5	69.6	109.6
77	33.7	11.7	51.7
79	28.2	7.3	47.3



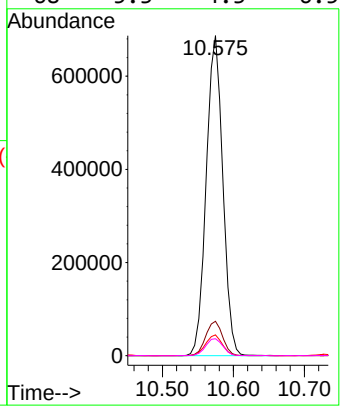


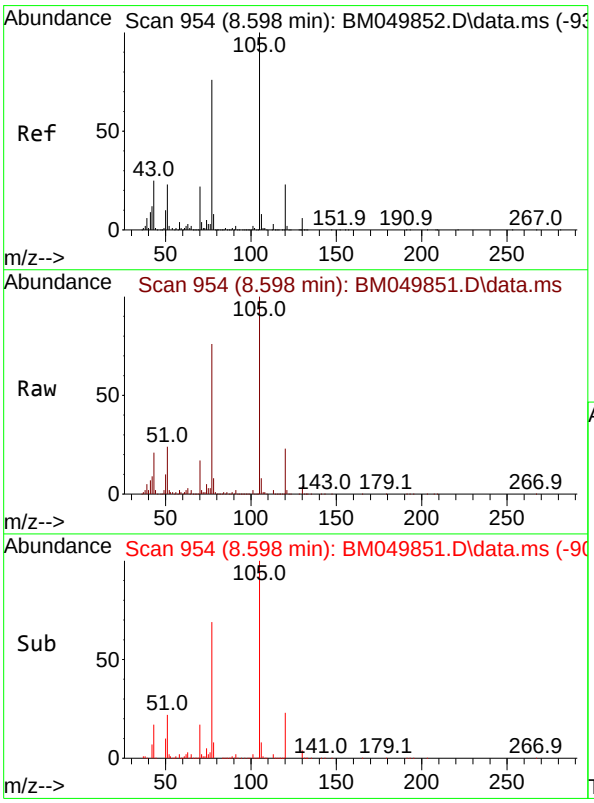
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 1116195

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.4	12.6
54	6.5	5.3	7.9
68	5.3	4.3	6.5

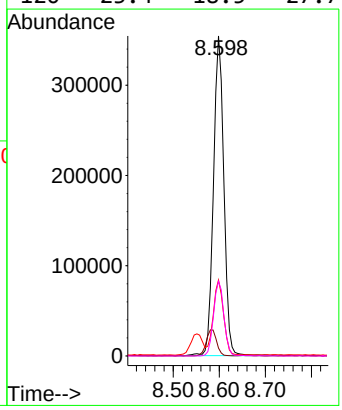


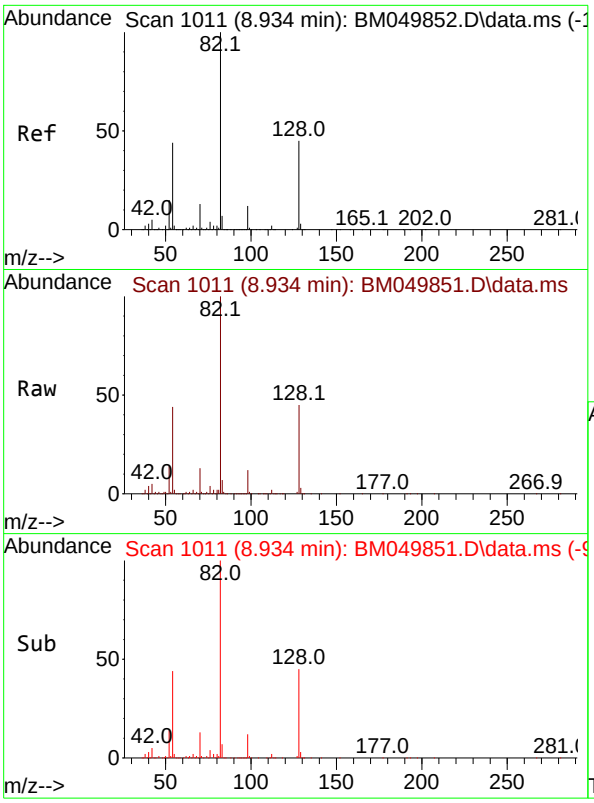


#22
Acetophenone
Concen: 20.425 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:105 Resp: 554070

Ion	Ratio	Lower	Upper
105	100		
71	2.5	3.0	4.4#
51	23.7	18.6	27.8
120	23.4	18.5	27.7



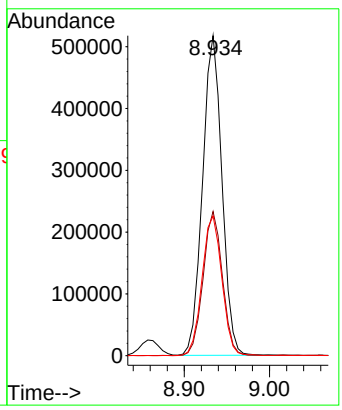


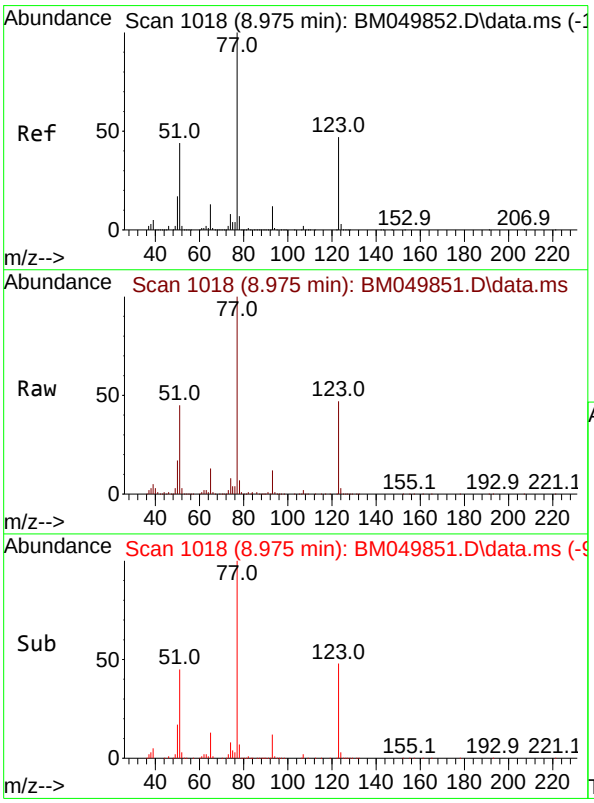
#23
Nitrobenzene-d5
Concen: 40.795 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 817733

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.2	54.2
54	43.6	35.0	52.6

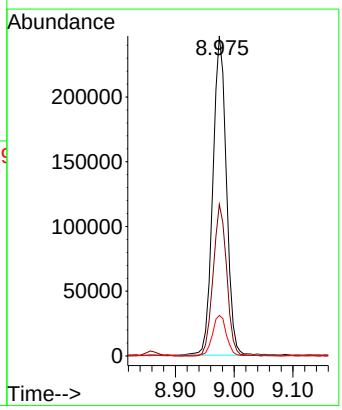


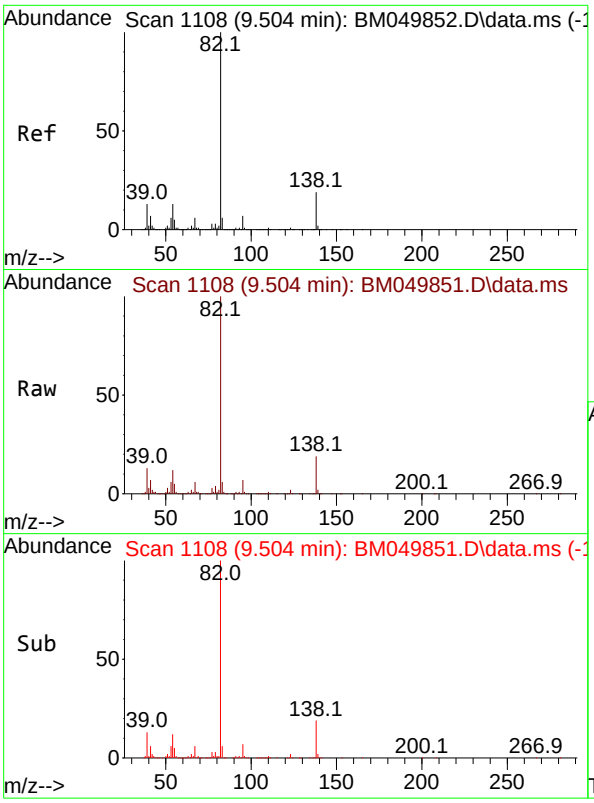


#24
Nitrobenzene
Concen: 20.496 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 77 Resp: 395594

Ion	Ratio	Lower	Upper
77	100		
123	47.4	37.4	56.2
65	12.7	10.1	15.1



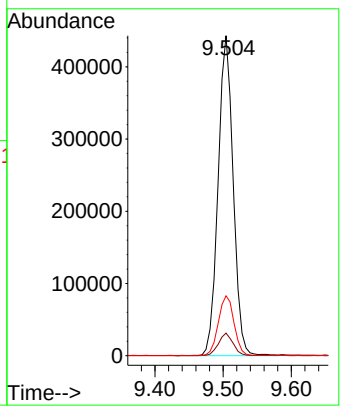


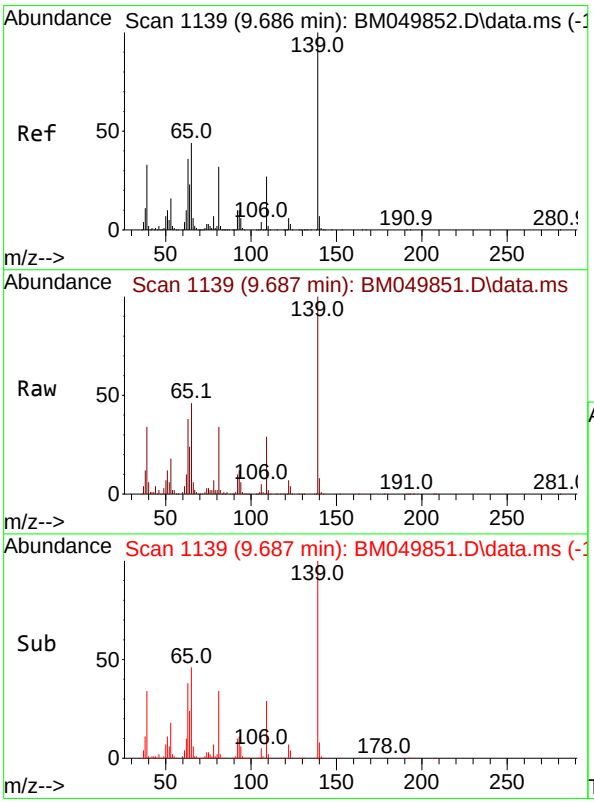
#25
Isophorone
Concen: 20.361 ng
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 683707

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.2
138	18.7	15.0	22.6

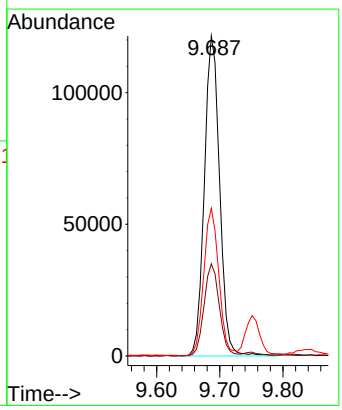


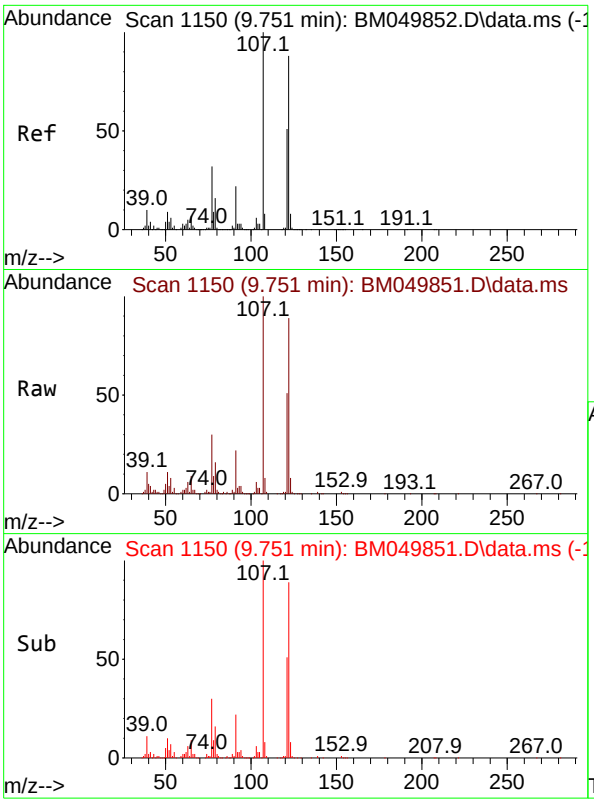


#26
2-Nitrophenol
Concen: 19.922 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:139 Resp: 203797

Ion	Ratio	Lower	Upper
139	100		
109	28.8	21.7	32.5
65	46.1	35.2	52.8



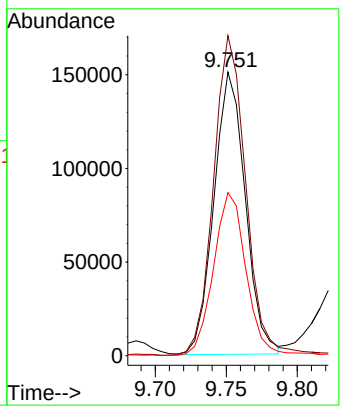


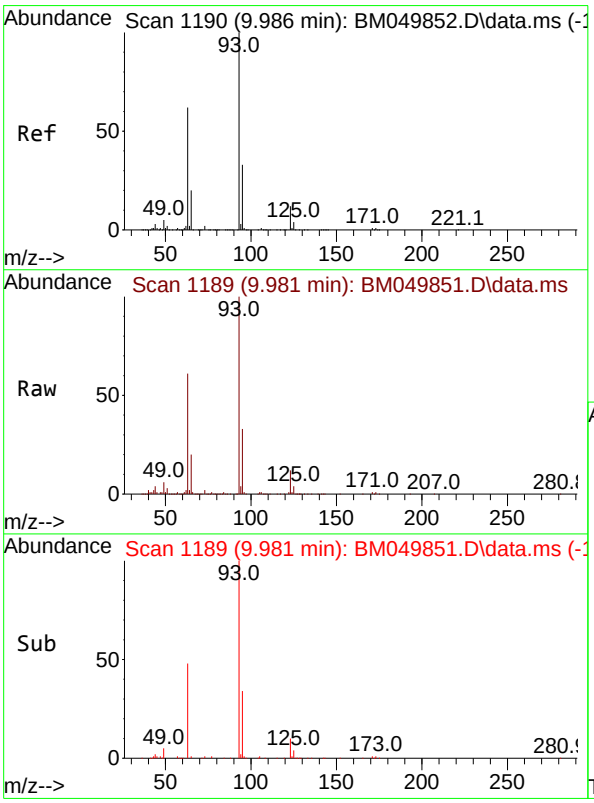
#27
2,4-Dimethylphenol
Concen: 20.010 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 231983

Ion	Ratio	Lower	Upper
122	100		
107	112.8	90.3	135.5
121	57.5	46.1	69.1

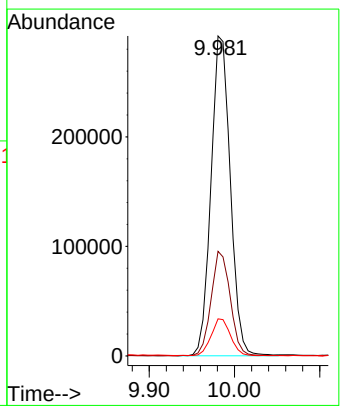


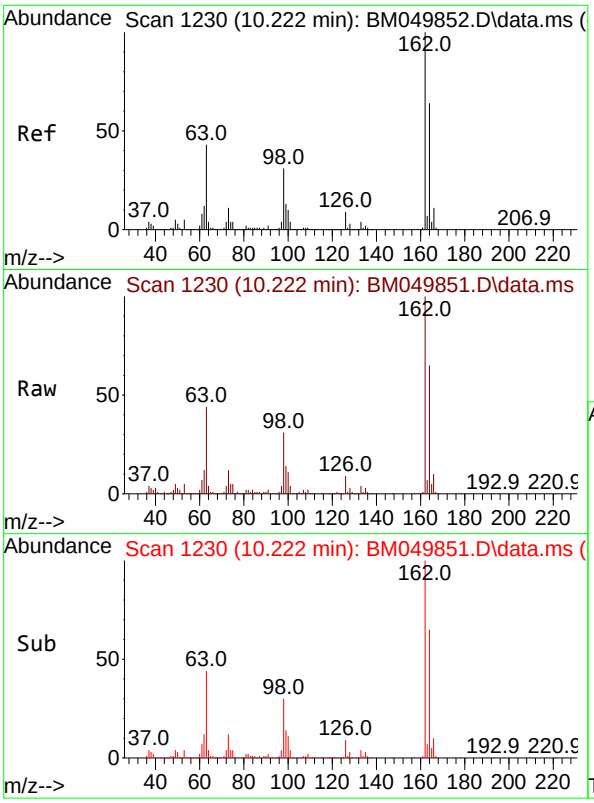


#28
bis(2-Chloroethoxy)methane
Concen: 20.427 ng
RT: 9.981 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 93 Resp: 459217

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.6	40.0
123	11.6	9.5	14.3



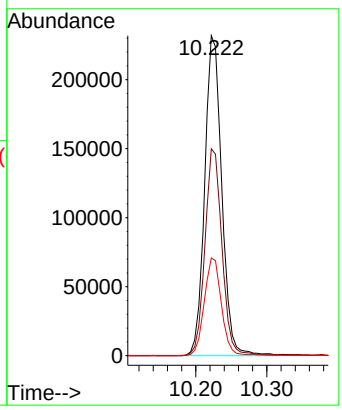


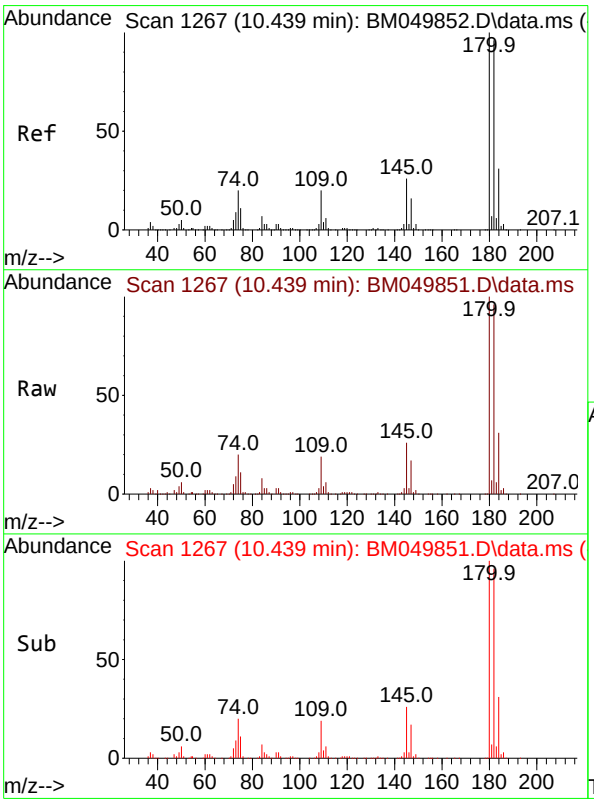
#29
2,4-Dichlorophenol
Concen: 20.164 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 388584

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.3	84.3
98	30.6	10.9	50.9

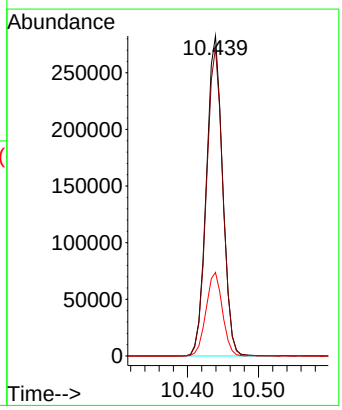


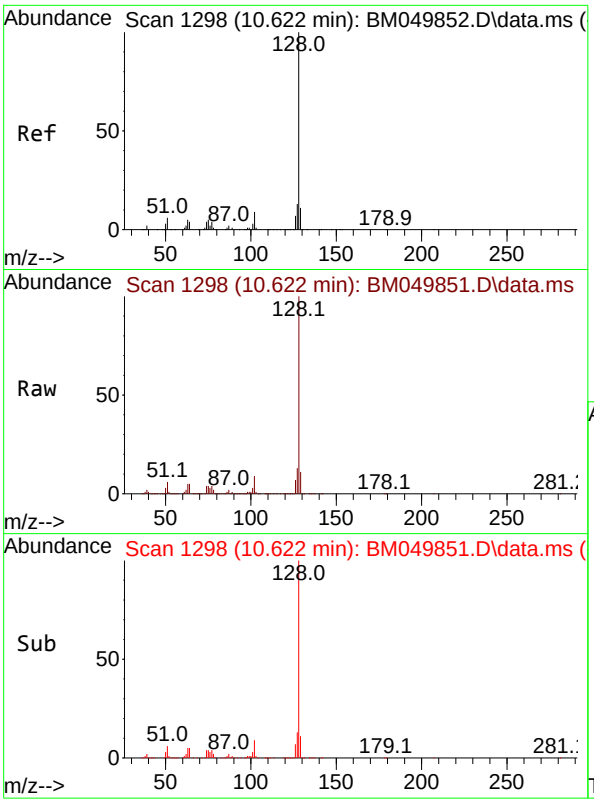


#30
1,2,4-Trichlorobenzene
Concen: 20.099 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:180 Resp: 448099

Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.7	115.1
145	26.1	20.8	31.2



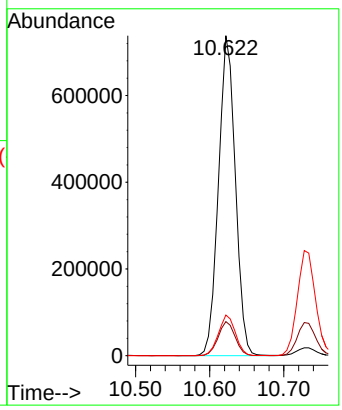


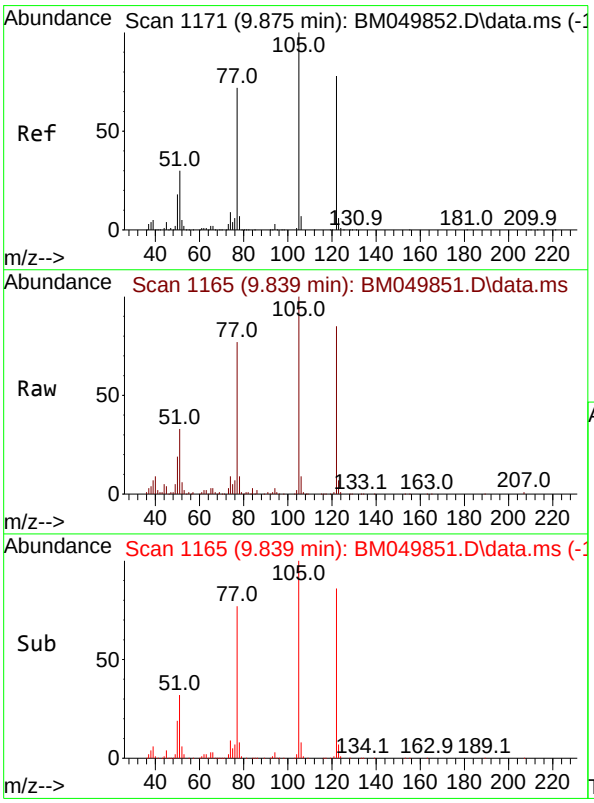
#31
Naphthalene
Concen: 20.341 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1166673

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	12.7	10.6	15.8

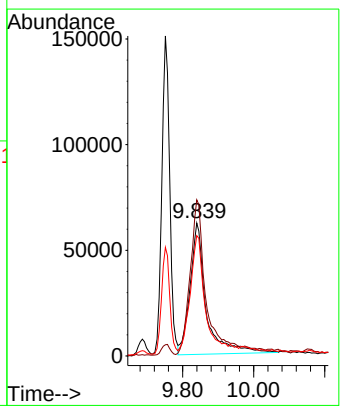


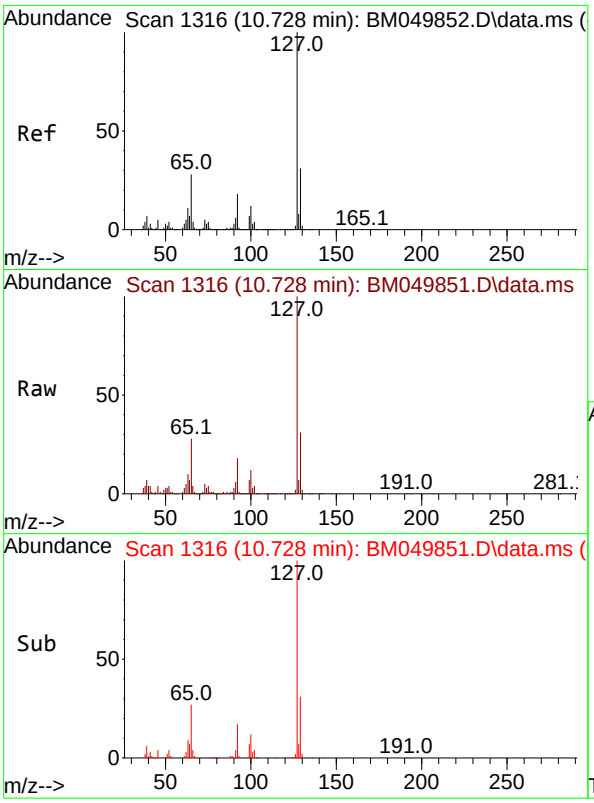


#32
Benzoic acid
Concen: 19.812 ng
RT: 9.839 min Scan# 1165
Delta R.T. -0.036 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:122 Resp: 195350

Ion	Ratio	Lower	Upper
122	100		
105	117.4	103.8	143.8
77	90.5	70.7	110.7



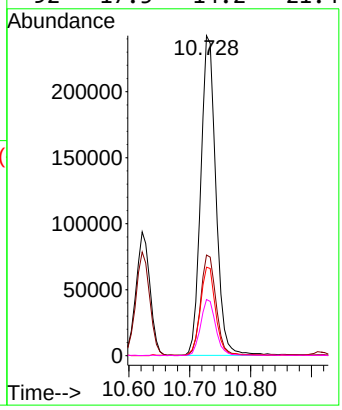


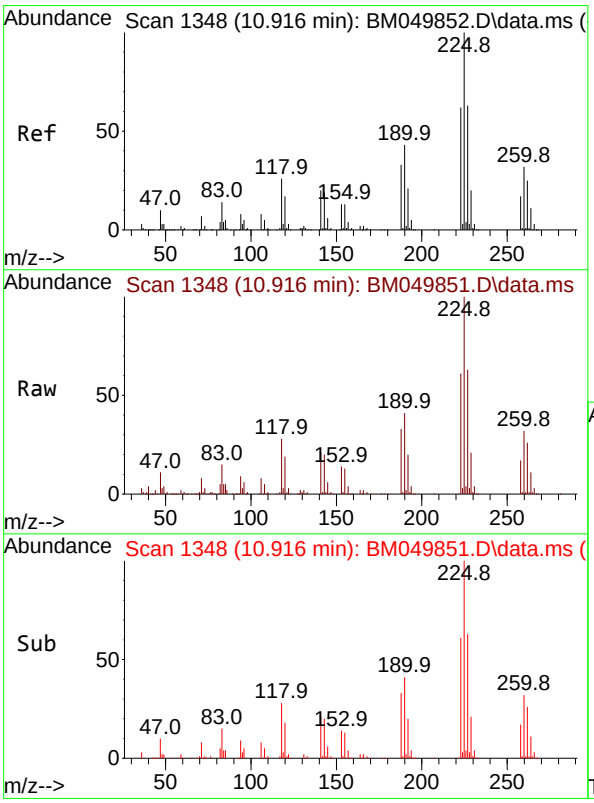
#33
4-Chloroaniline
Concen: 20.742 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 420078

Ion	Ratio	Lower	Upper
127	100		
129	31.4	24.9	37.3
65	27.6	22.4	33.6
92	17.5	14.2	21.4

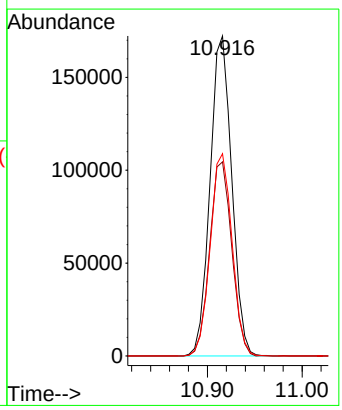


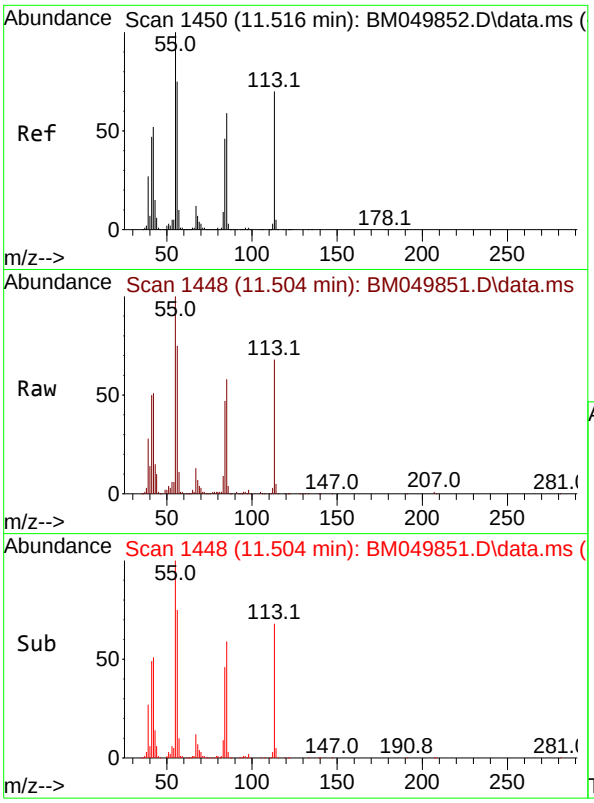


#34
Hexachlorobutadiene
Concen: 19.857 ng
RT: 10.916 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:225 Resp: 273841

Ion	Ratio	Lower	Upper
225	100		
223	60.6	49.4	74.2
227	63.2	50.1	75.1



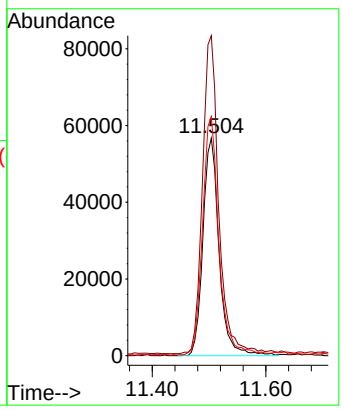


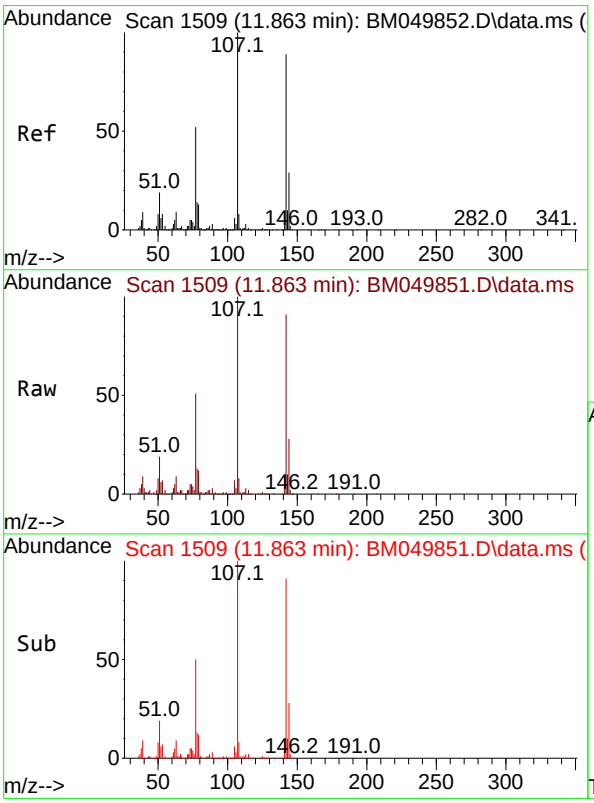
#35
Caprolactam
Concen: 20.199 ng
RT: 11.504 min Scan# 14
Delta R.T. -0.012 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 111645

Ion	Ratio	Lower	Upper
113	100		
55	147.1	124.3	164.3
56	109.9	87.5	127.5

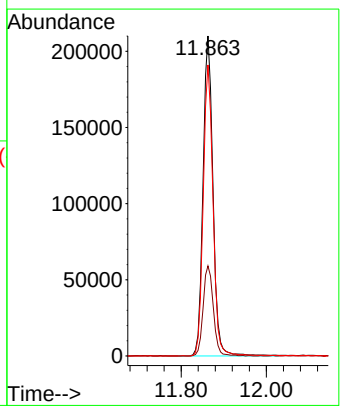


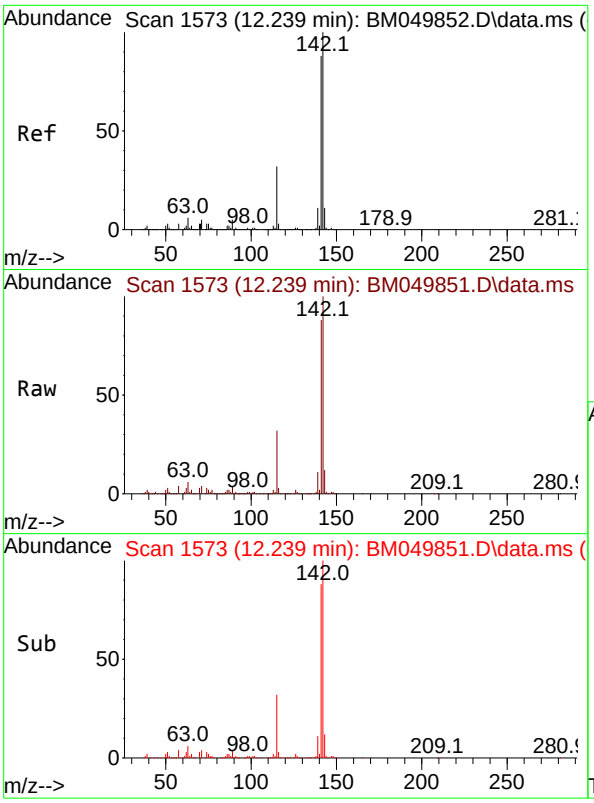


#36
4-Chloro-3-methylphenol
Concen: 20.168 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:107 Resp: 340457

Ion	Ratio	Lower	Upper
107	100		
144	28.1	23.6	35.4
142	91.0	71.4	107.0



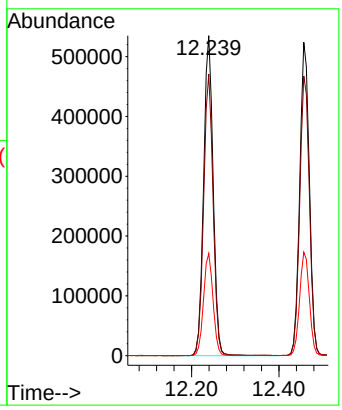


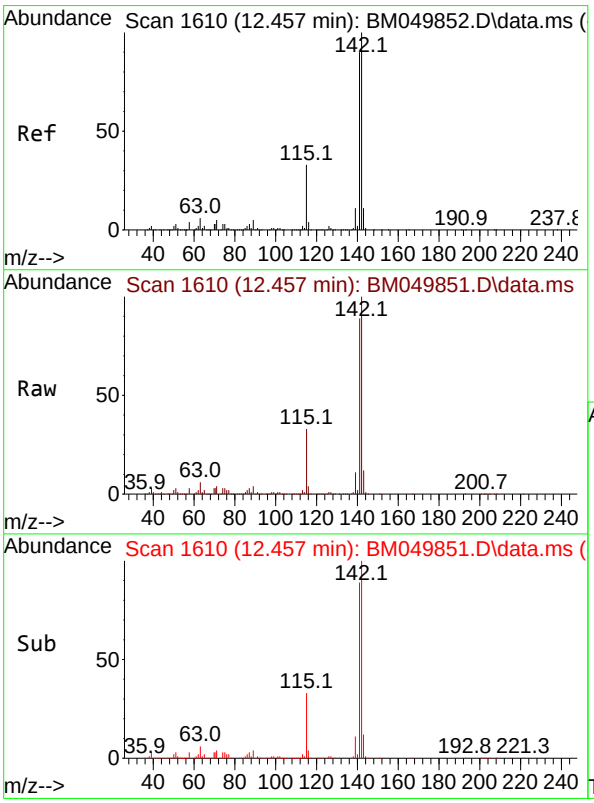
#37
2-Methylnaphthalene
Concen: 20.132 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 813541

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.2	105.2
115	32.0	25.4	38.2

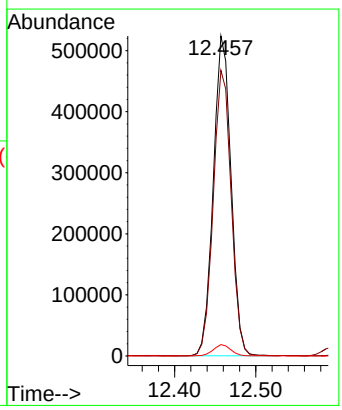


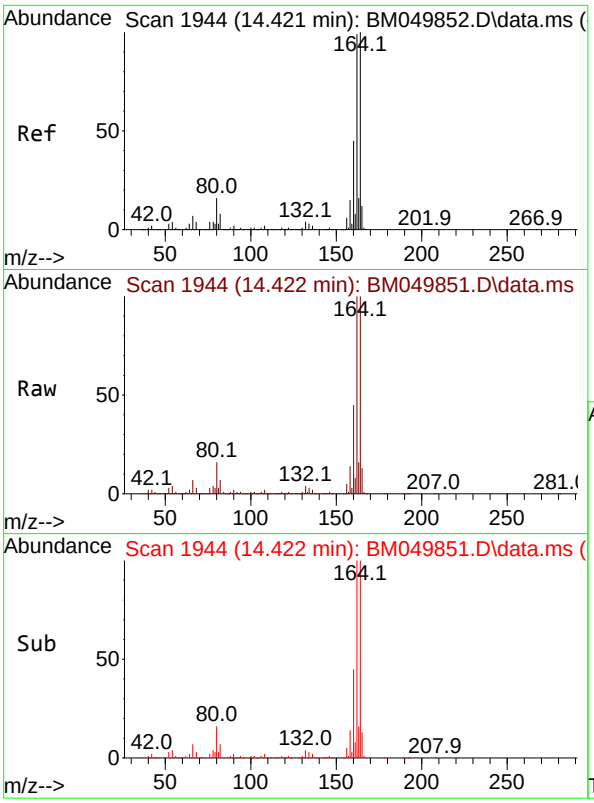


#38
1-Methylnaphthalene
Concen: 20.158 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:142 Resp: 793590

Ion	Ratio	Lower	Upper
142	100		
141	89.2	72.2	108.2
116	3.5	2.9	4.3



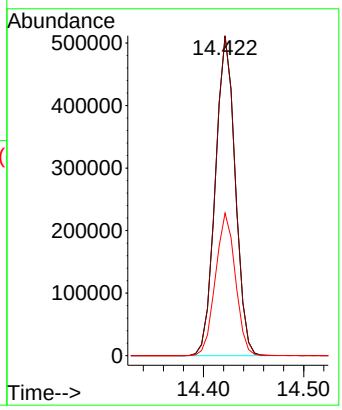


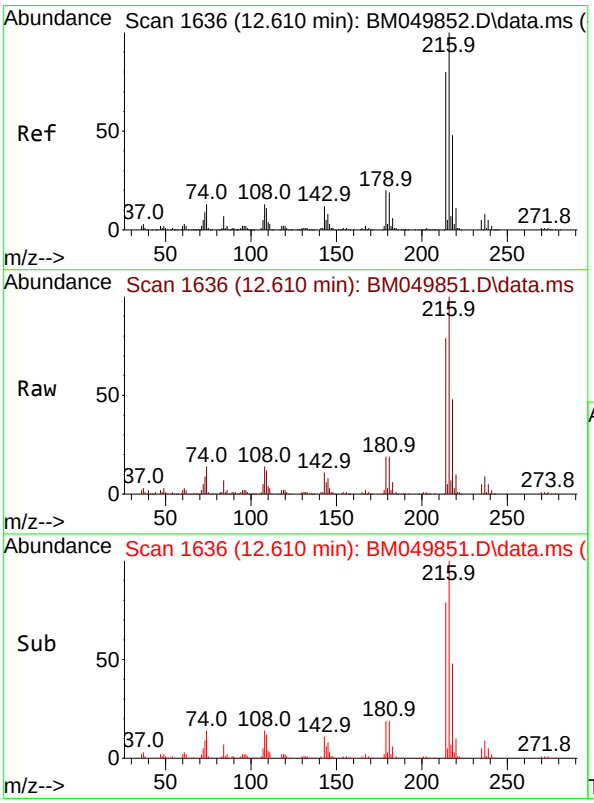
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 702854

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.4	119.0
160	44.6	36.2	54.2

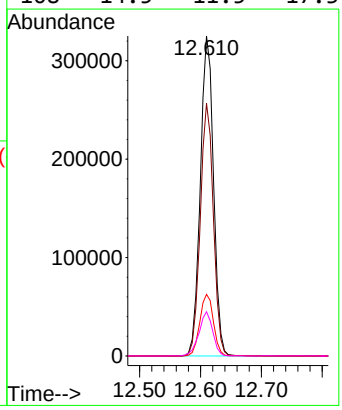


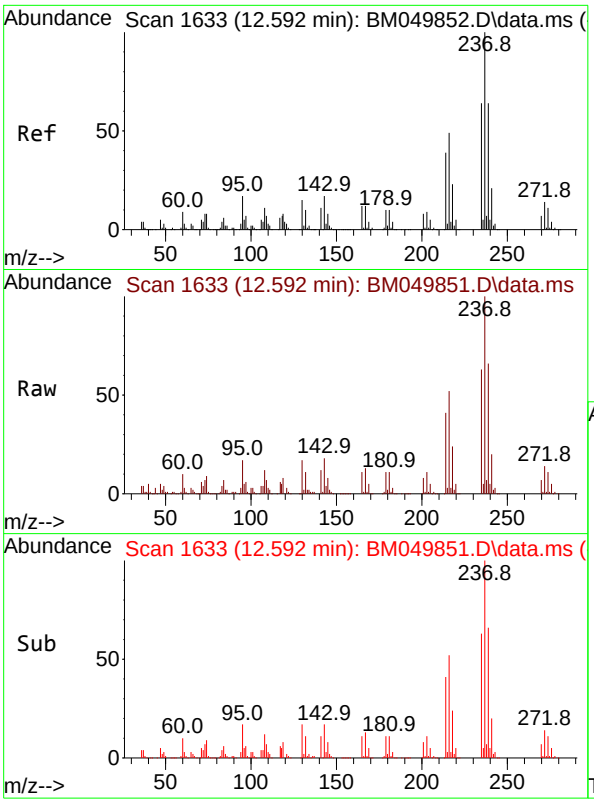


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.915 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:216 Resp: 489705

Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.2	94.8
179	19.9	15.8	23.6
108	14.5	11.5	17.3



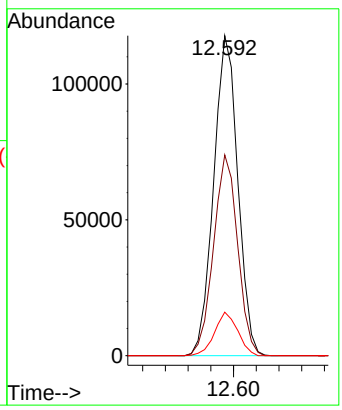


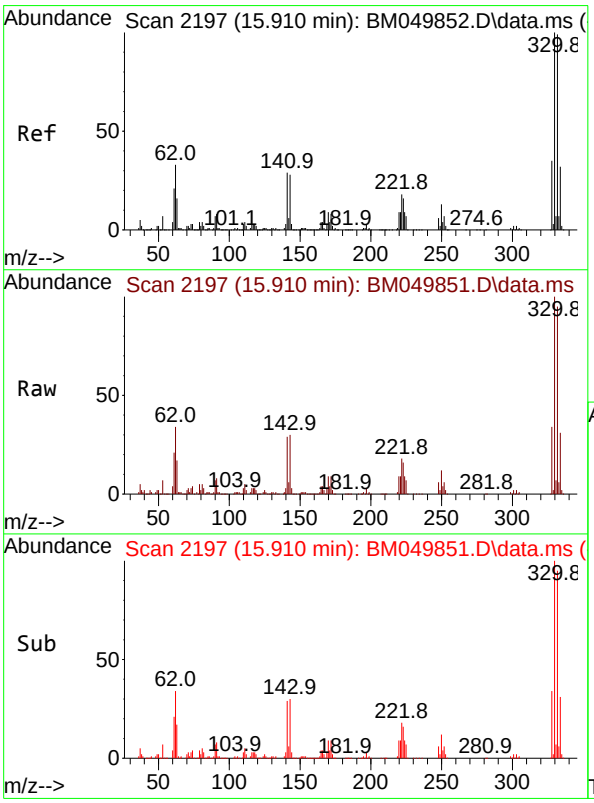
#41
Hexachlorocyclopentadiene
Concen: 20.158 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 173683

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.7	83.7
272	13.6	0.0	33.5

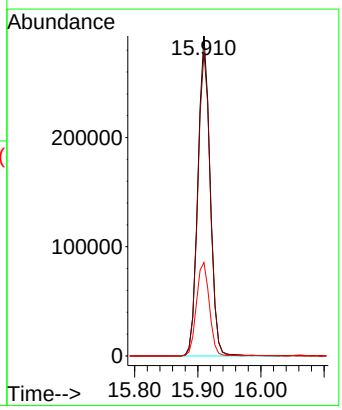


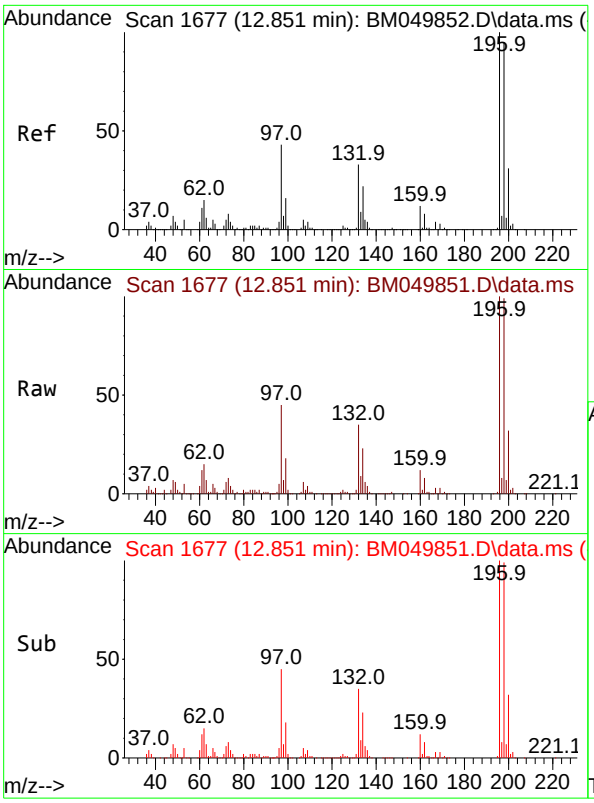


#42
2,4,6-Tribromophenol
Concen: 38.457 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:330 Resp: 393158

Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.0	117.0
141	30.8	23.5	35.3



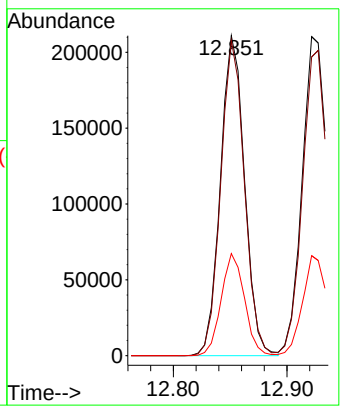


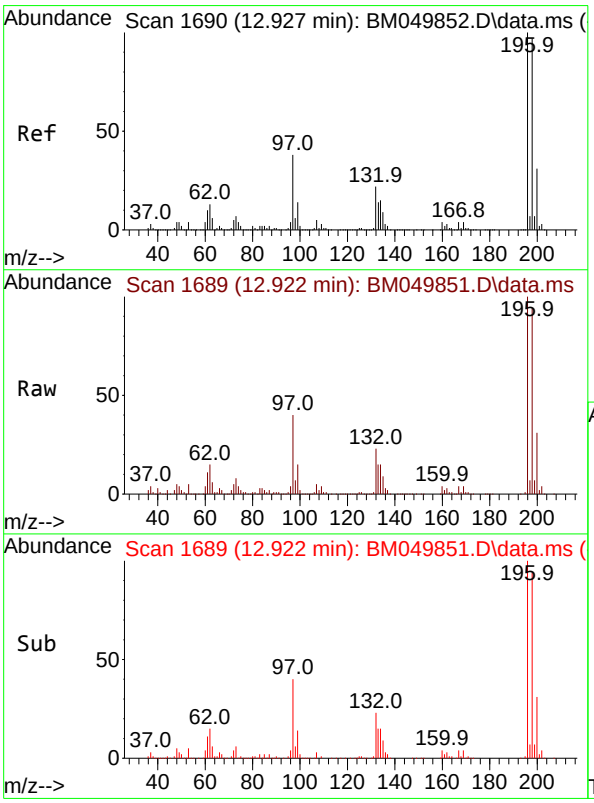
#43
2,4,6-Trichlorophenol
Concen: 19.924 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 311742

Ion	Ratio	Lower	Upper
196	100		
198	98.6	76.1	114.1
200	31.9	24.7	37.1

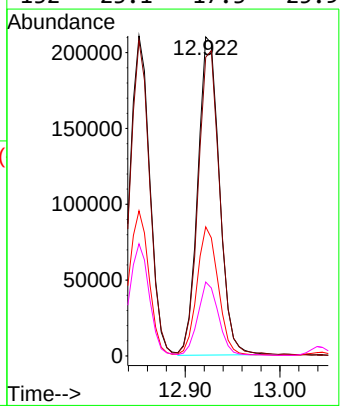


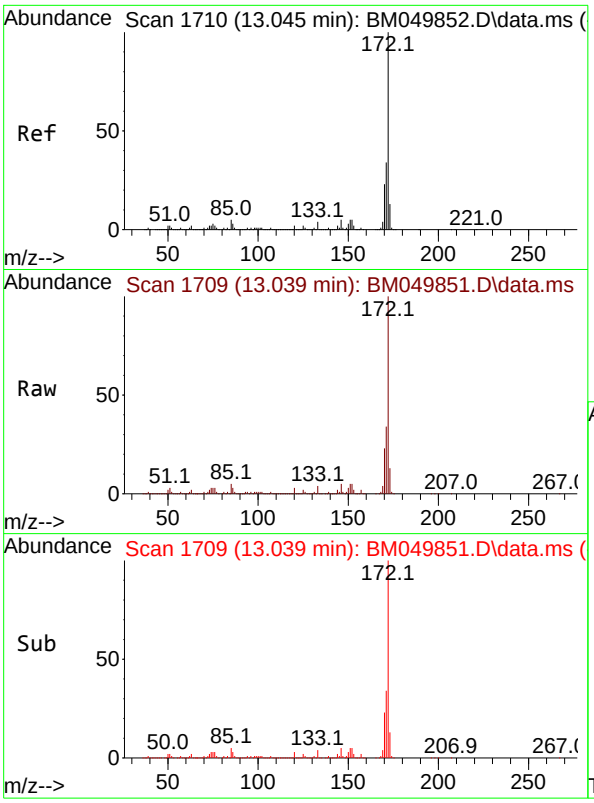


#44
2,4,5-Trichlorophenol
Concen: 19.528 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:196 Resp: 332054

Ion	Ratio	Lower	Upper
196	100		
198	93.6	77.7	116.5
97	40.5	30.3	45.5
132	23.1	17.3	25.9



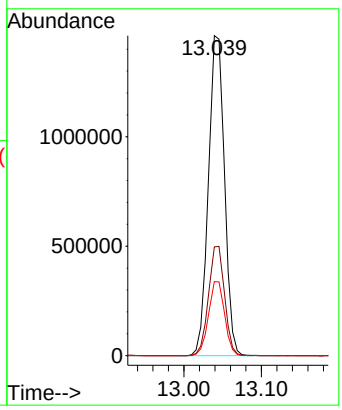


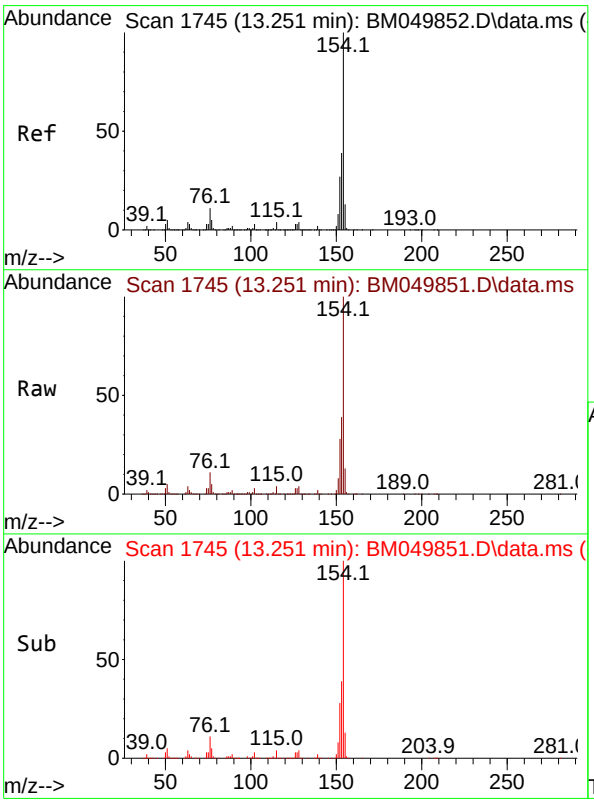
#45
2-Fluorobiphenyl
Concen: 40.653 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 2107153

Ion	Ratio	Lower	Upper
172	100		
171	34.0	27.4	41.2
170	23.2	18.6	28.0

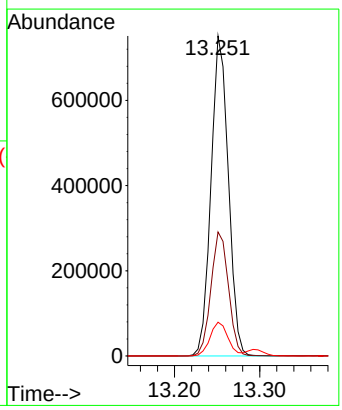


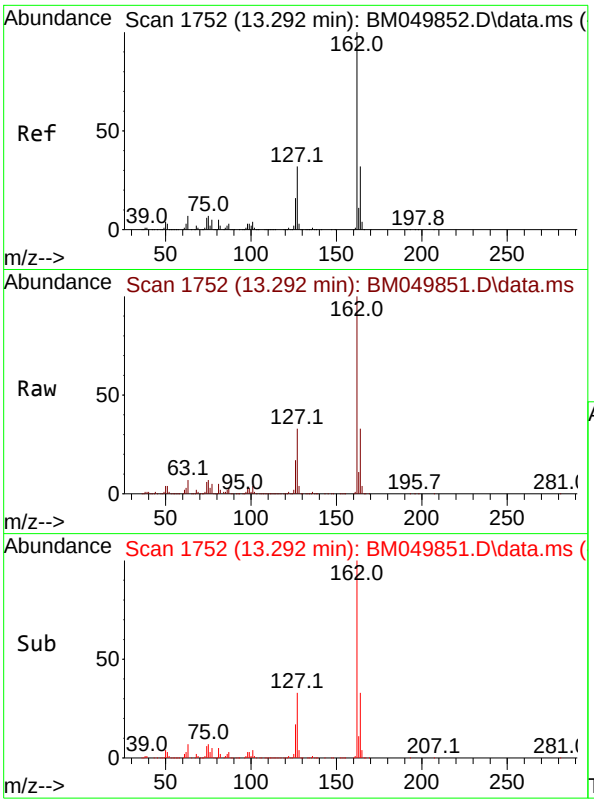


#46
1,1'-Biphenyl
Concen: 20.361 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:154 Resp: 1063836

Ion	Ratio	Lower	Upper
154	100		
153	38.7	19.3	59.3
76	10.5	0.0	30.7



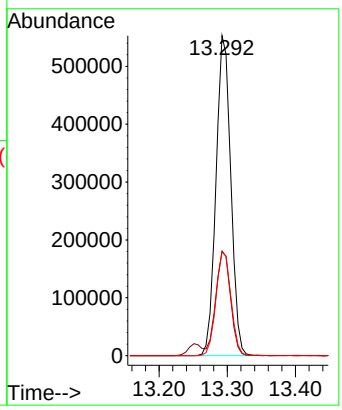


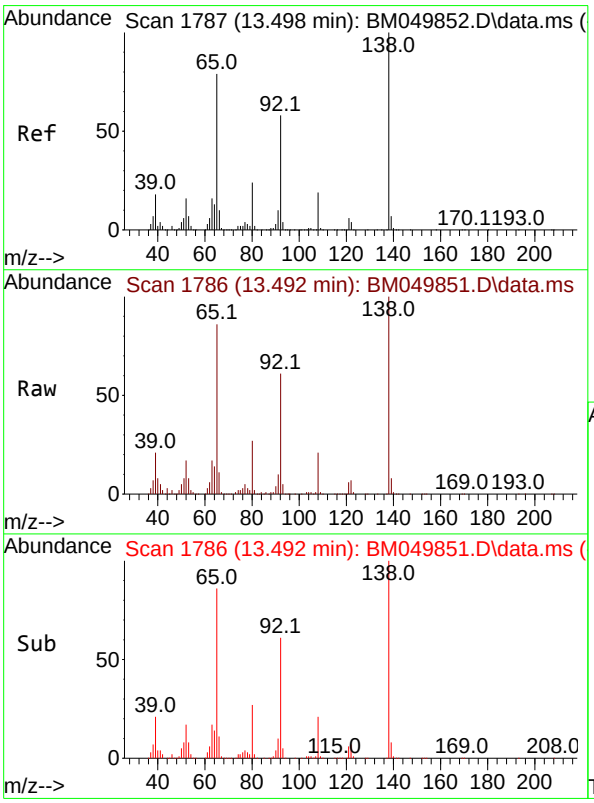
#47
2-Chloronaphthalene
Concen: 20.334 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 835052

Ion	Ratio	Lower	Upper
162	100		
127	32.6	26.0	39.0
164	32.5	25.9	38.9

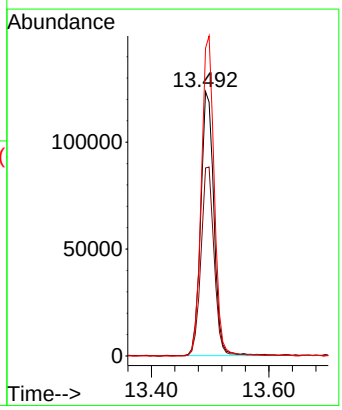


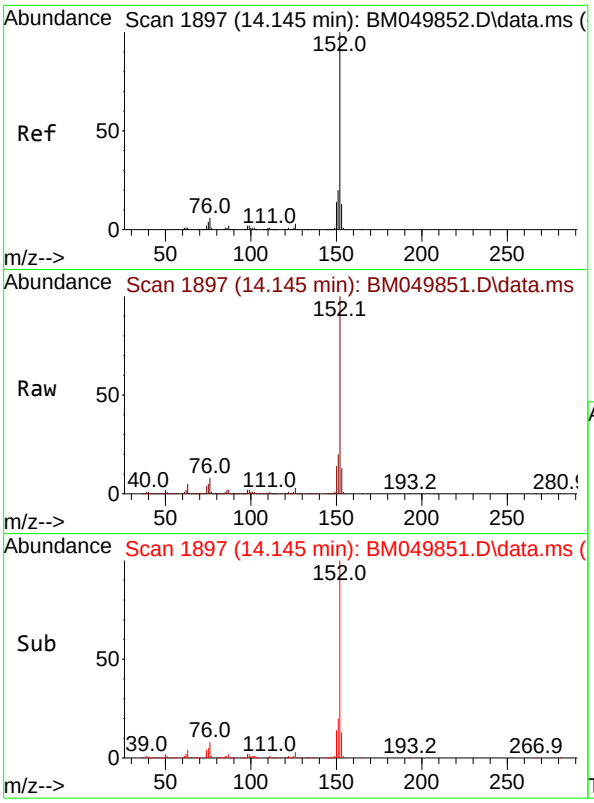


#48
2-Nitroaniline
Concen: 20.149 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion: 65 Resp: 191426

Ion	Ratio	Lower	Upper
65	100		
92	71.1	58.4	87.6
138	116.5	100.8	151.2



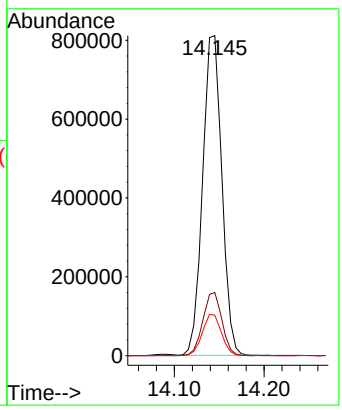


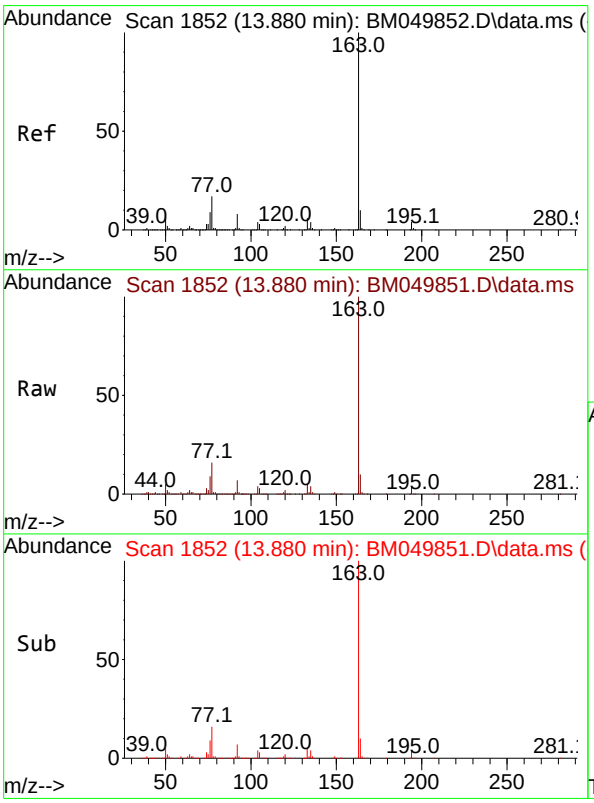
#49
Acenaphthylene
Concen: 20.189 ng
RT: 14.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 1207654

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	12.7	10.4	15.6

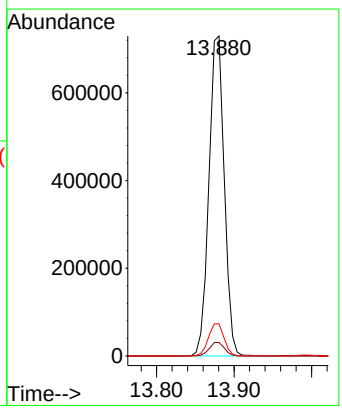


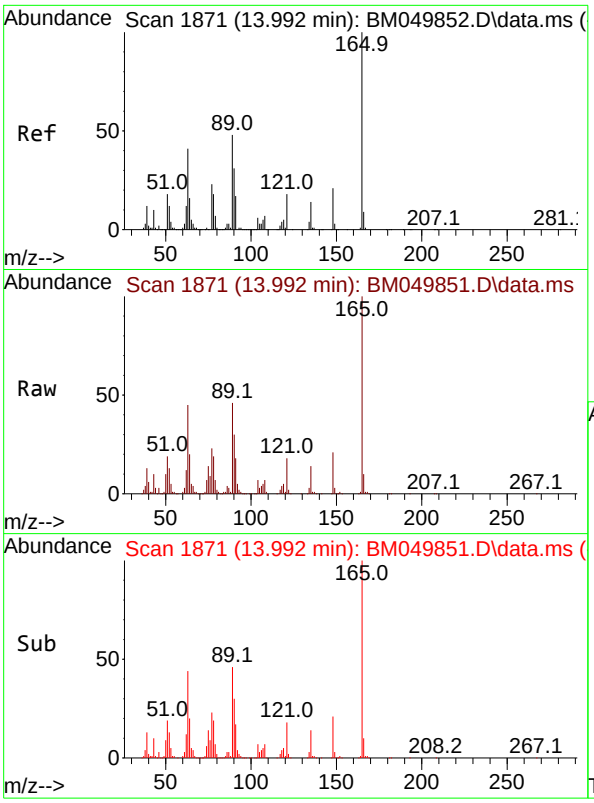


#50
Dimethylphthalate
Concen: 20.271 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:163 Resp: 1005157

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.5	5.3
164	10.1	7.9	11.9



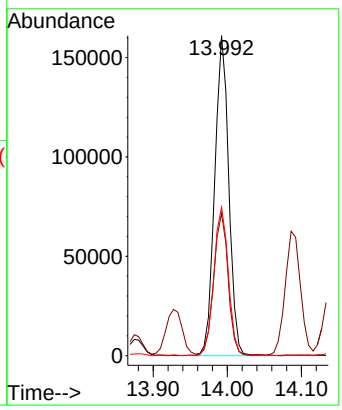


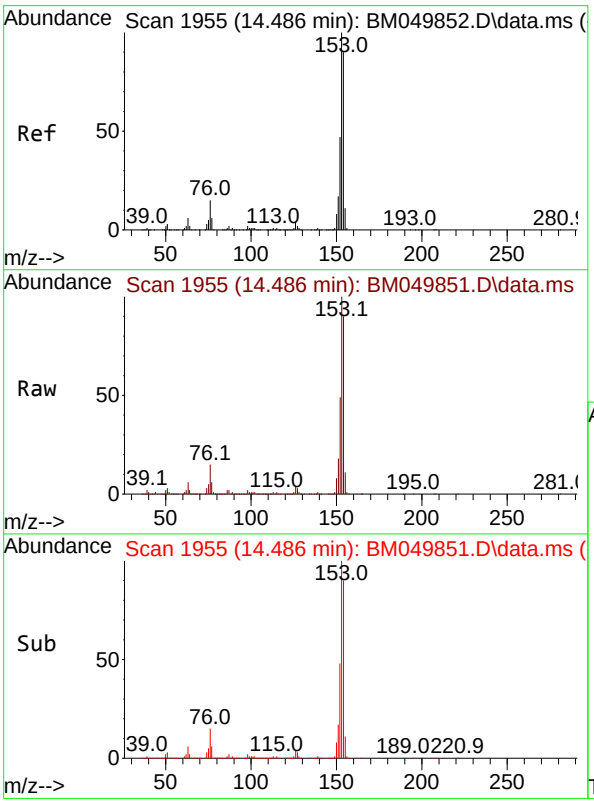
#51
2,6-Dinitrotoluene
Concen: 20.474 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 212702

Ion	Ratio	Lower	Upper
165	100		
63	44.5	36.1	54.1
89	46.4	38.3	57.5

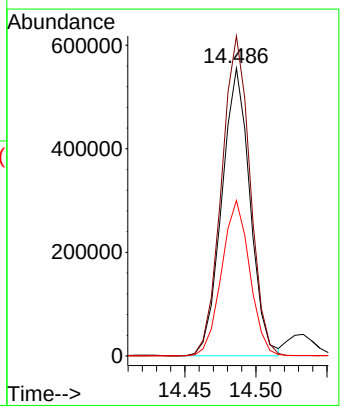


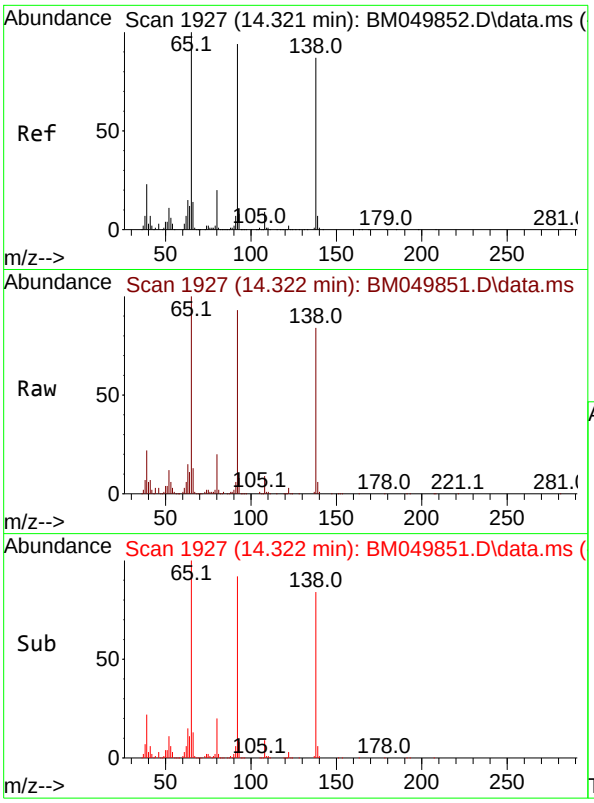


#52
Acenaphthene
Concen: 20.122 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:154 Resp: 765635

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.3	133.9
152	54.1	42.2	63.2



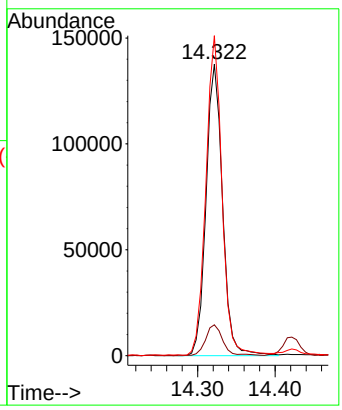


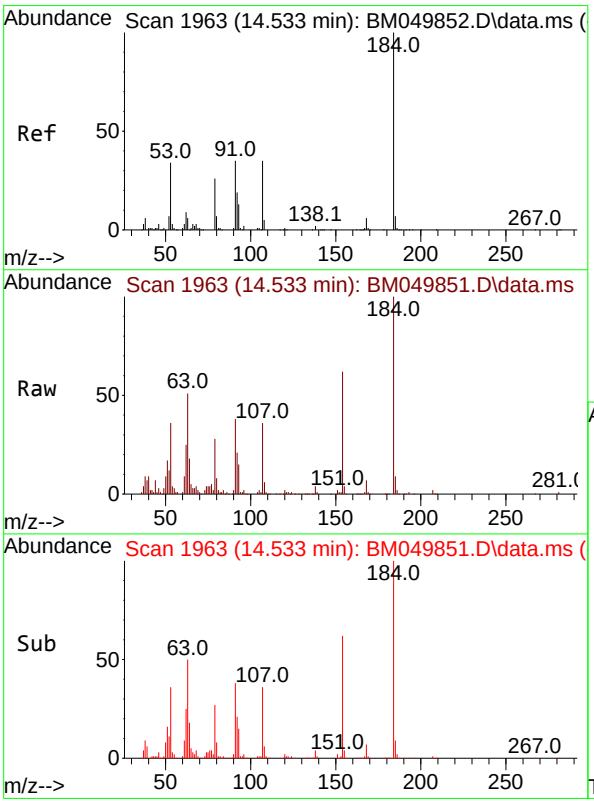
#53
3-Nitroaniline
Concen: 20.306 ng
RT: 14.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 203884

Ion	Ratio	Lower	Upper
138	100		
108	10.6	8.1	12.1
92	109.8	86.5	129.7

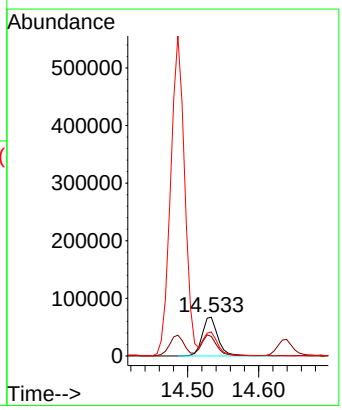


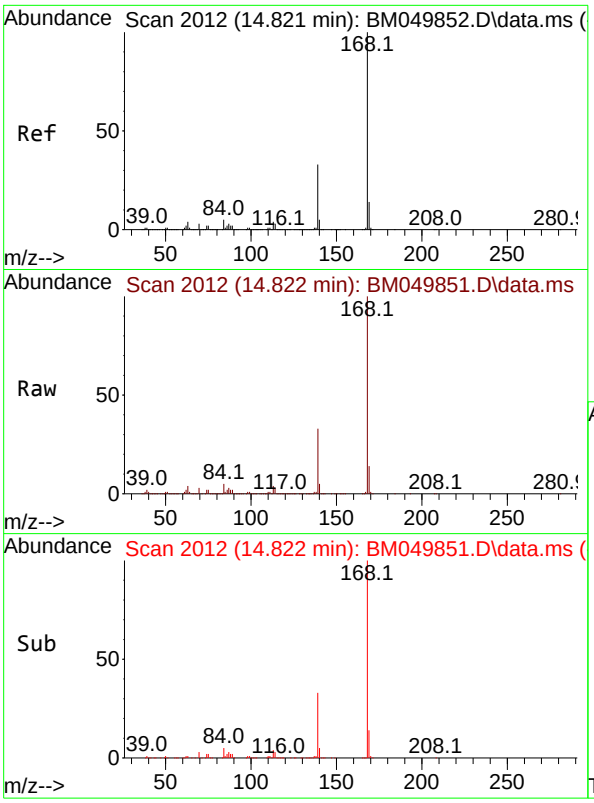


#54
2,4-Dinitrophenol
Concen: 19.806 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:184 Resp: 104048

Ion	Ratio	Lower	Upper
184	100		
63	50.5	38.4	57.6
154	62.0	48.1	72.1



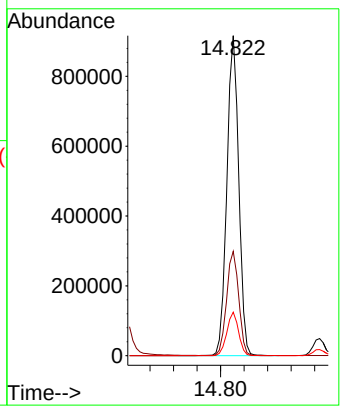


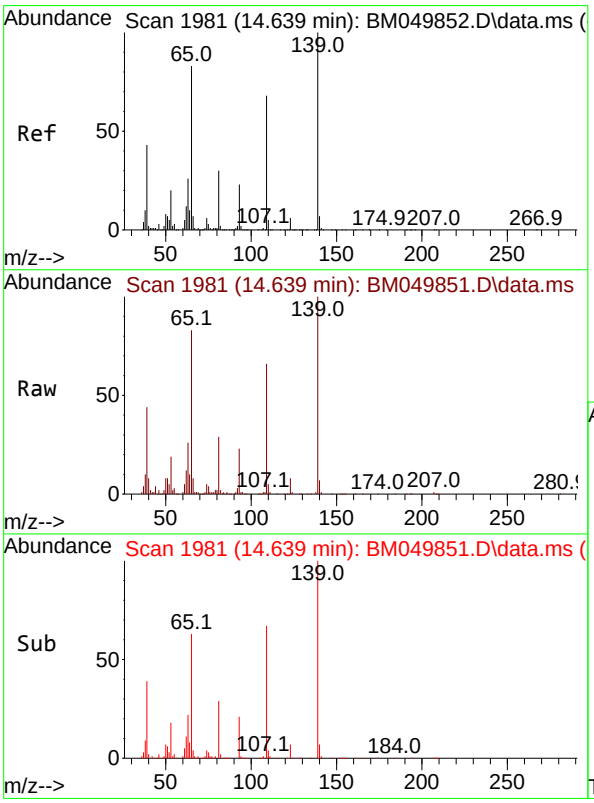
#55
Dibenzofuran
Concen: 20.125 ng
RT: 14.822 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 1280124

Ion	Ratio	Lower	Upper
168	100		
139	32.6	26.6	39.8
169	13.6	11.0	16.4

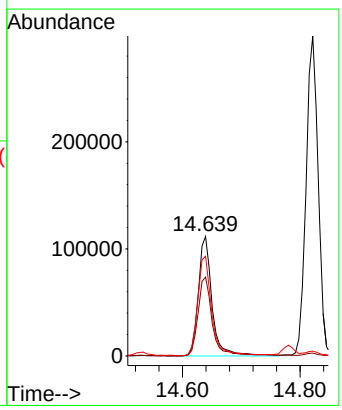


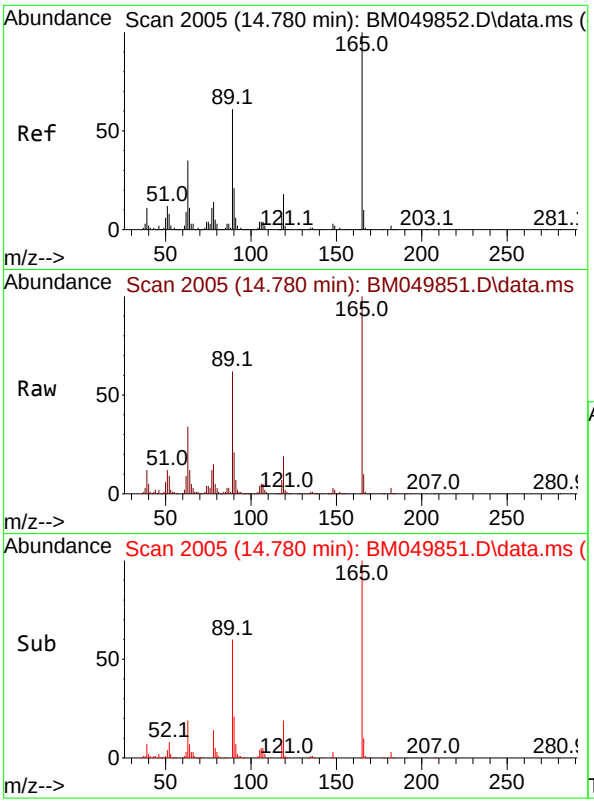


#56
4-Nitrophenol
Concen: 20.171 ng
RT: 14.639 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:139 Resp: 180482

Ion	Ratio	Lower	Upper
139	100		
109	65.9	47.9	87.9
65	83.4	62.7	102.7



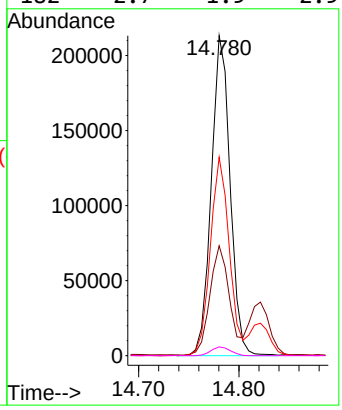


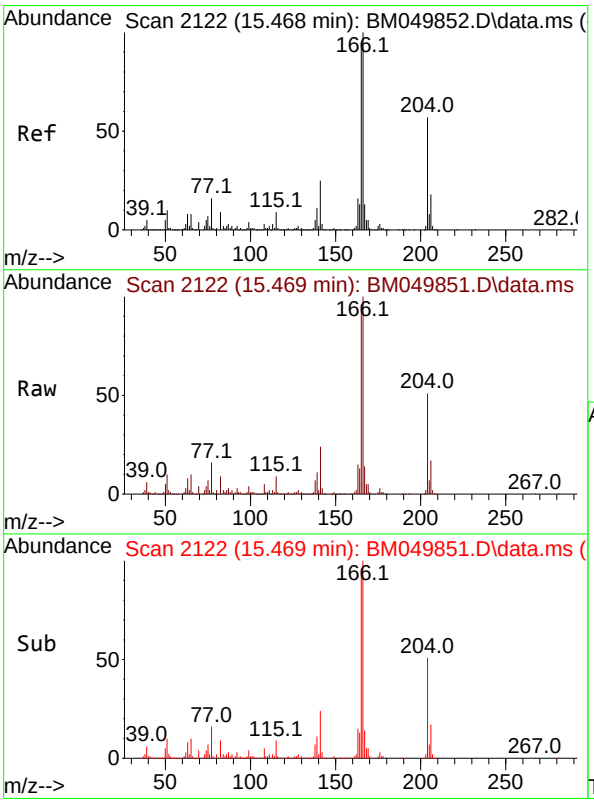
#57
2,4-Dinitrotoluene
Concen: 20.039 ng
RT: 14.780 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 277724

Ion	Ratio	Lower	Upper
165	100		
63	34.4	28.6	42.8
89	62.0	49.0	73.6
182	2.7	1.9	2.9

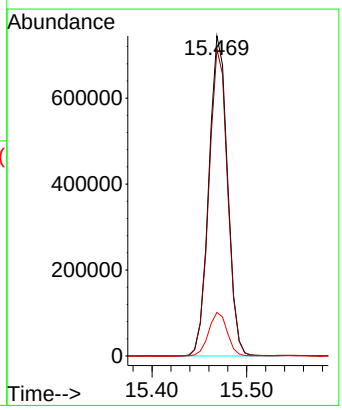


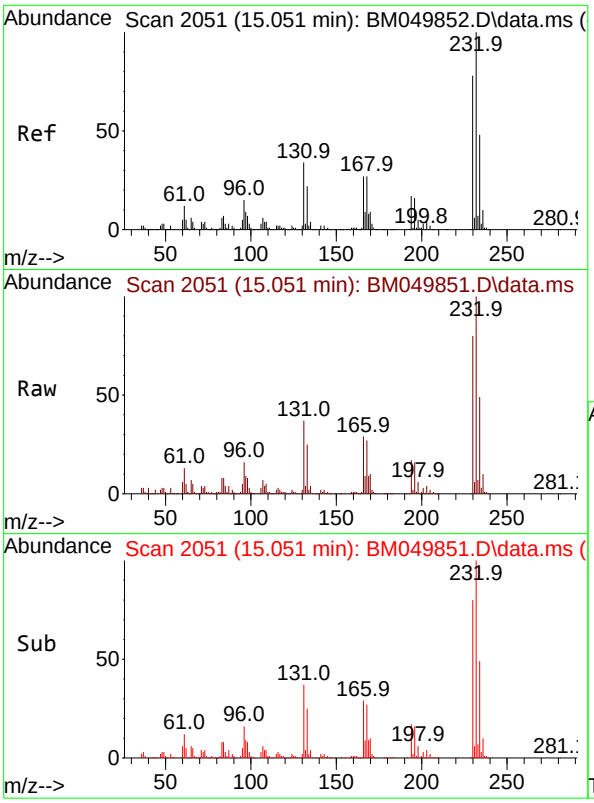


#58
Fluorene
Concen: 20.163 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:166 Resp: 1019442

Ion	Ratio	Lower	Upper
166	100		
165	95.9	76.3	114.5
167	13.6	10.7	16.1



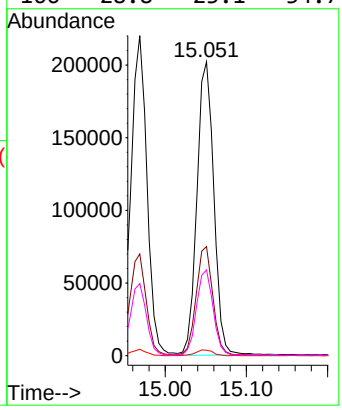


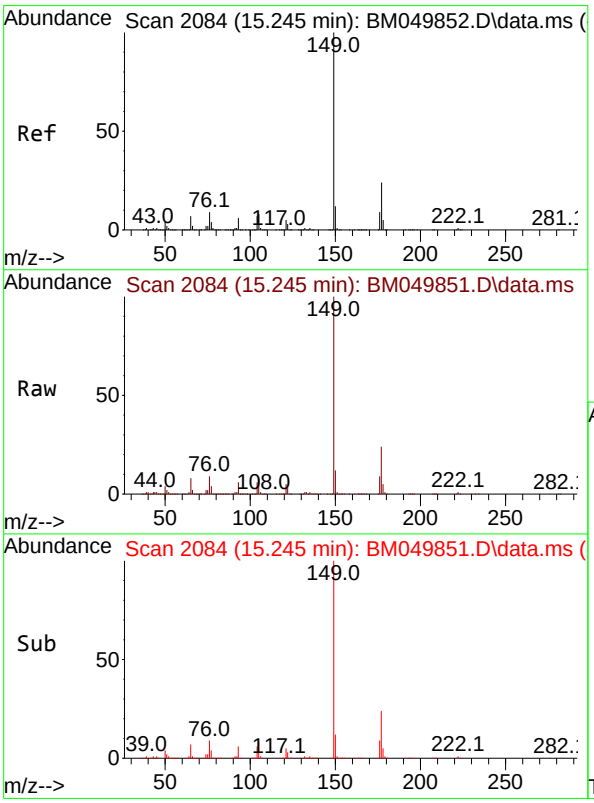
#59
2,3,4,6-Tetrachlorophenol
Concen: 19.603 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 292142

Ion	Ratio	Lower	Upper
232	100		
131	36.8	28.4	42.6
130	2.1	1.6	2.4
166	28.8	23.1	34.7

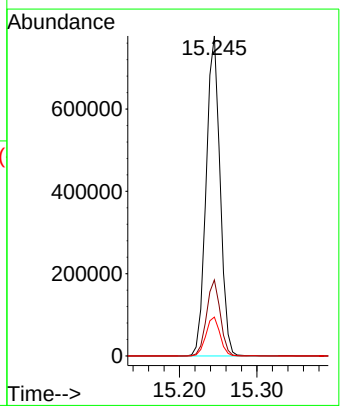


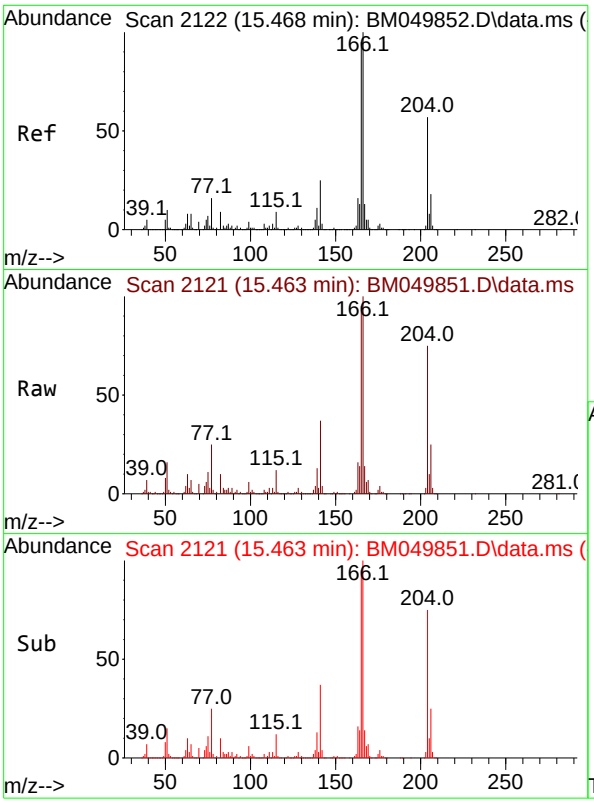


#60
Diethylphthalate
Concen: 20.369 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:149 Resp: 968568

Ion	Ratio	Lower	Upper
149	100		
177	23.7	19.0	28.4
150	12.2	9.7	14.5



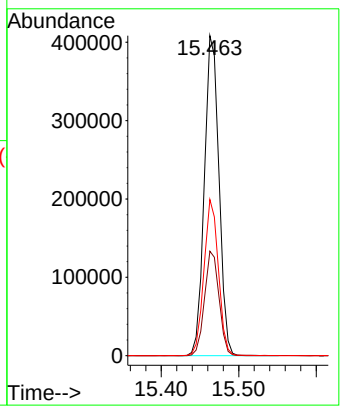


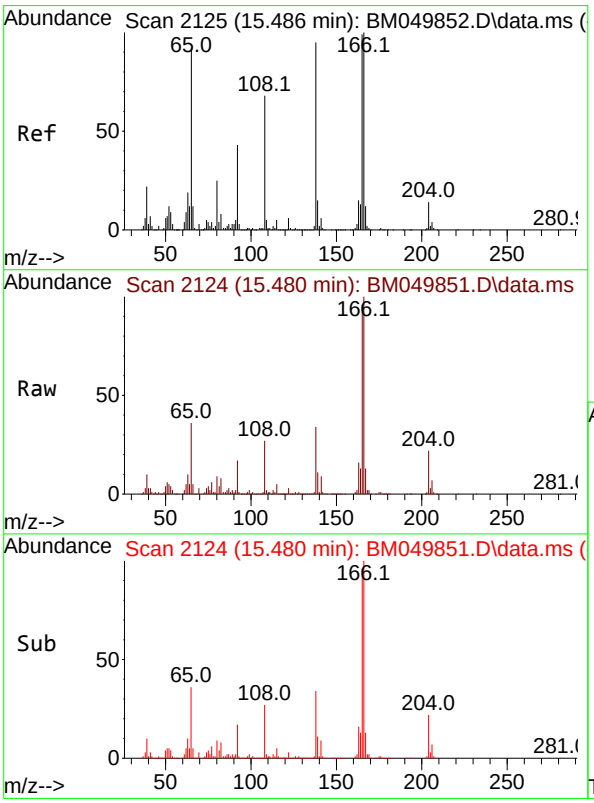
#61
4-Chlorophenyl-phenylether
Concen: 19.737 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 535017

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	48.8	35.0	52.6

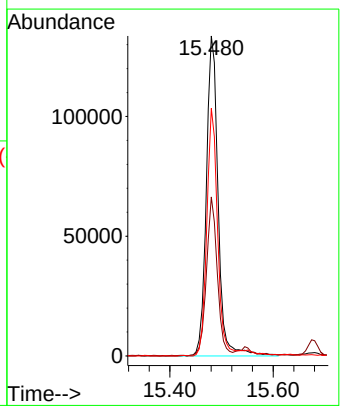


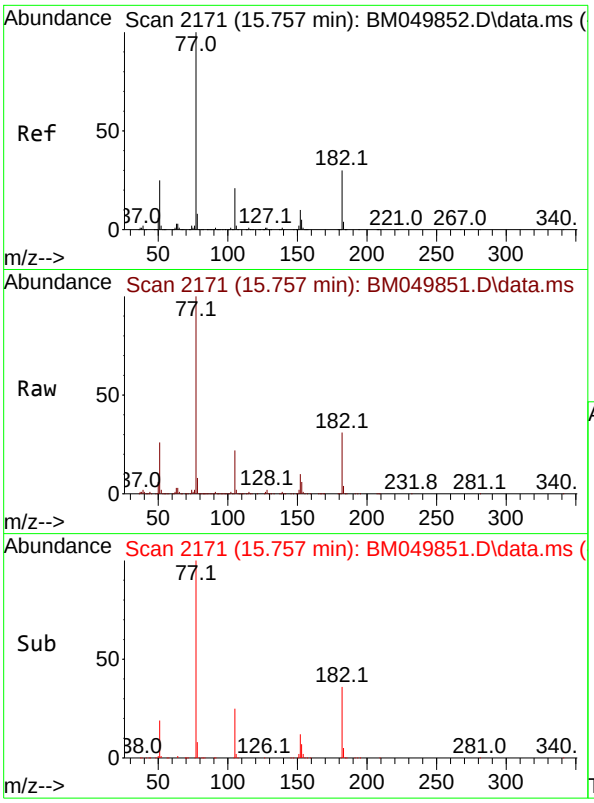


#62
4-Nitroaniline
Concen: 20.390 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:138 Resp: 211717

Ion	Ratio	Lower	Upper
138	100		
92	49.7	24.9	64.9
108	77.4	51.7	91.7



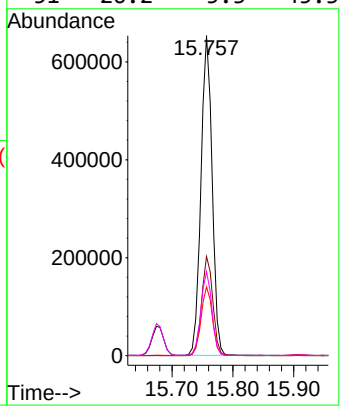


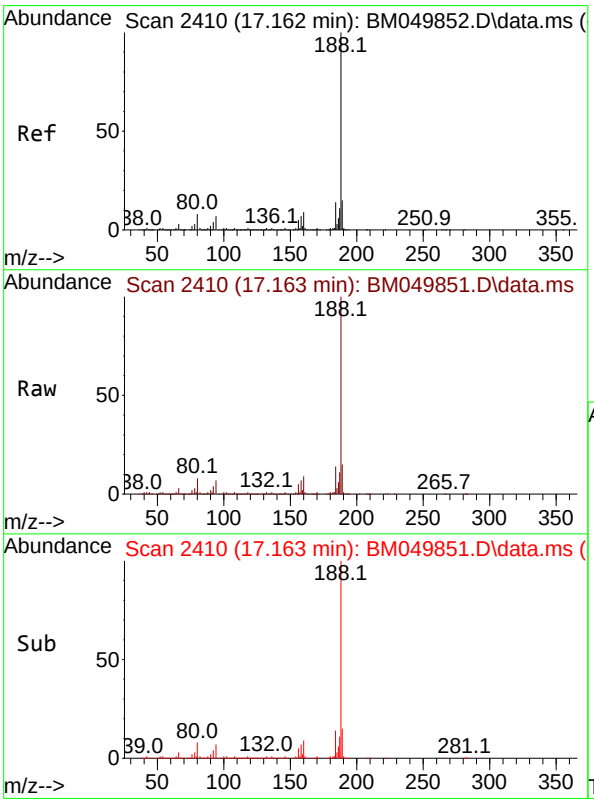
#63
Azobenzene
Concen: 20.453 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 832670

Ion	Ratio	Lower	Upper
77	100		
182	31.0	10.4	50.4
105	21.5	1.5	41.5
51	26.2	5.3	45.3

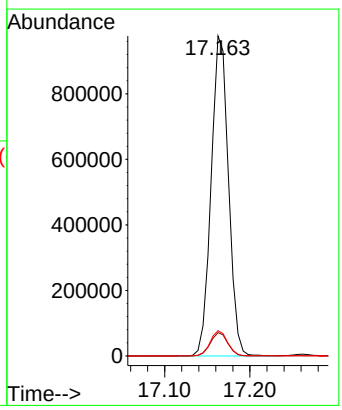


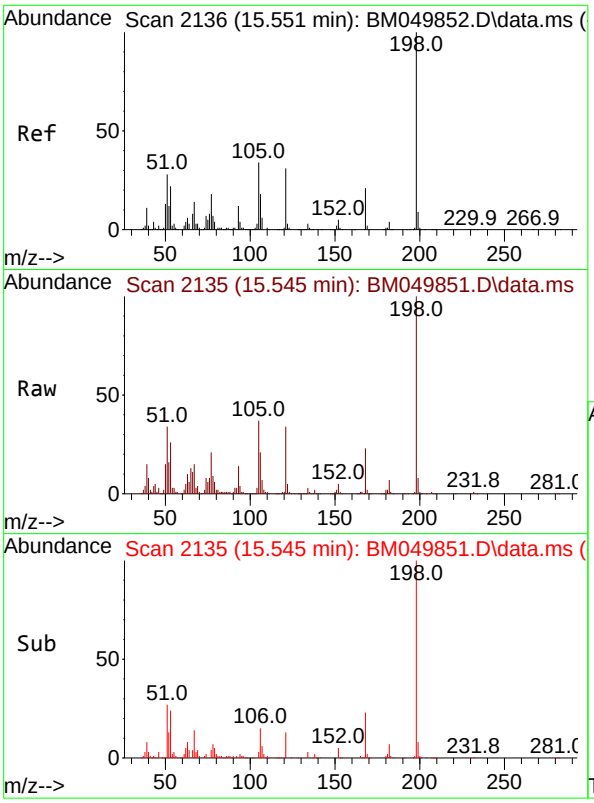


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:188 Resp: 1378813

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.8	8.6
80	7.9	6.4	9.6



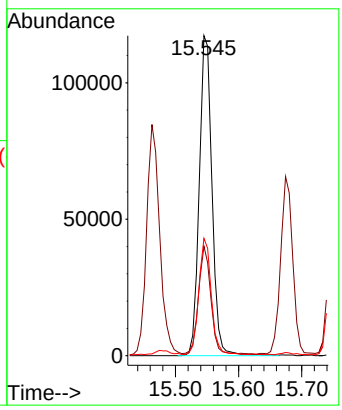


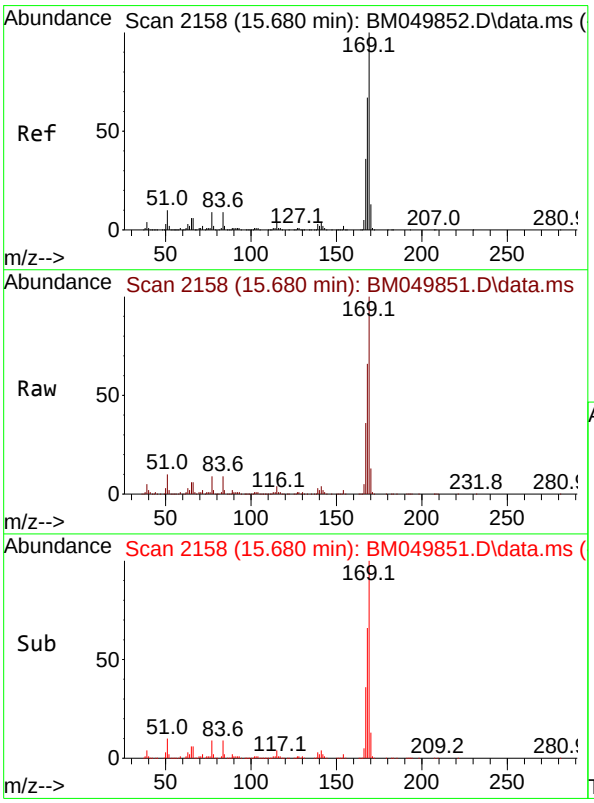
#65
4,6-Dinitro-2-methylphenol
Concen: 18.880 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 164040

Ion	Ratio	Lower	Upper
198	100		
51	34.2	9.6	49.6
105	36.7	14.7	54.7

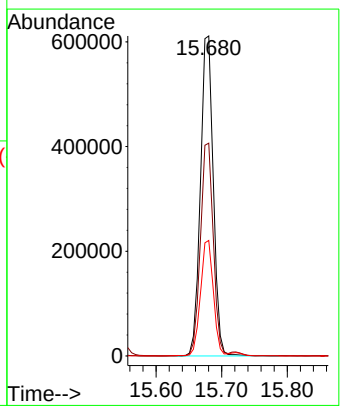


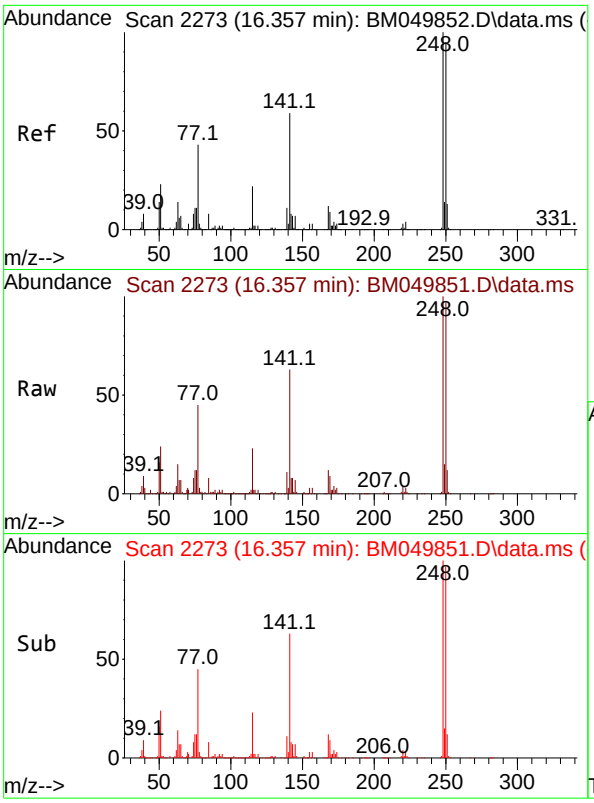


#66
n-Nitrosodiphenylamine
Concen: 20.246 ng
RT: 15.680 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:169 Resp: 835415

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	36.1	29.0	43.6



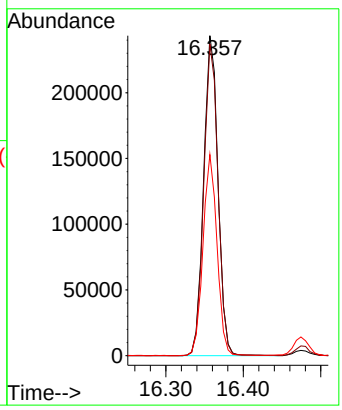


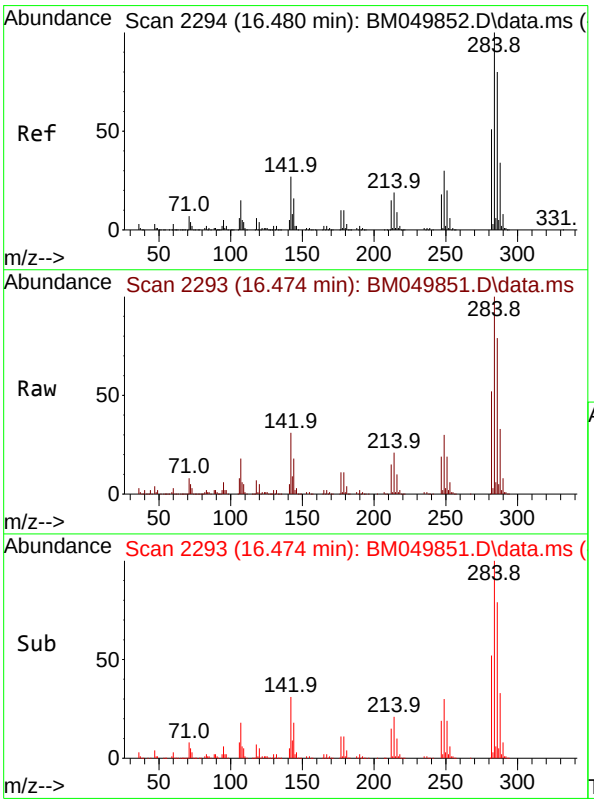
#67
4-Bromophenyl-phenylether
Concen: 19.537 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 312714

Ion	Ratio	Lower	Upper
248	100		
250	97.4	76.2	114.2
141	62.9	47.3	70.9

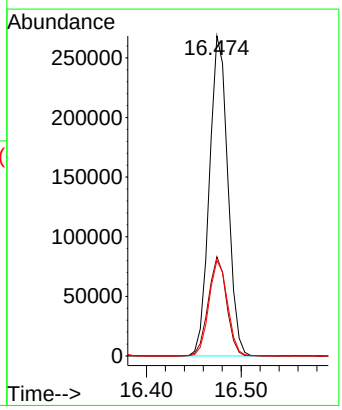


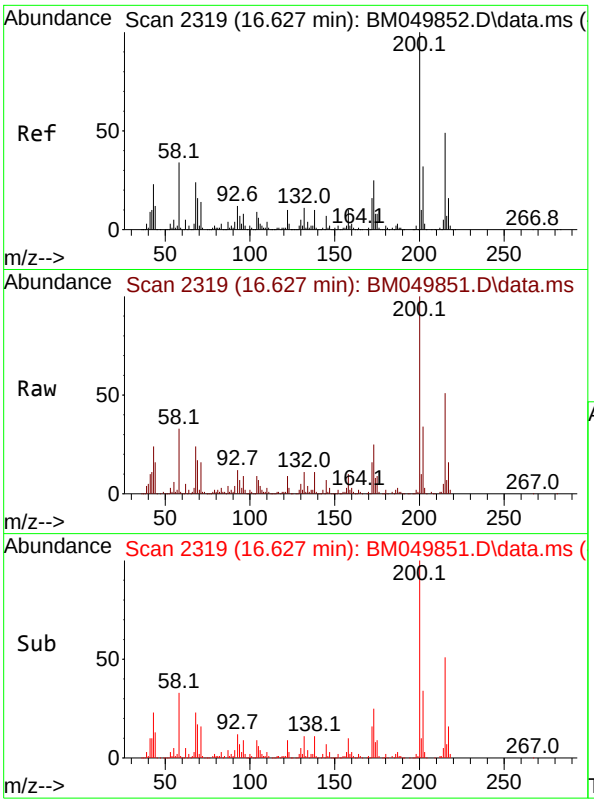


#68
Hexachlorobenzene
Concen: 19.701 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:284 Resp: 361698

Ion	Ratio	Lower	Upper
284	100		
142	31.0	21.2	31.8
249	29.8	24.1	36.1



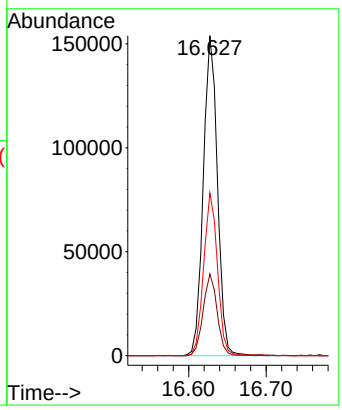


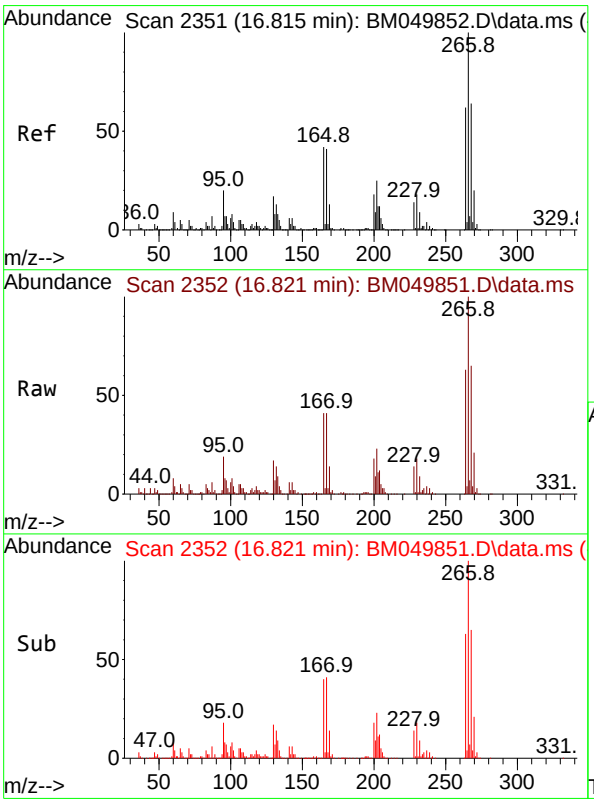
#69
Atrazine
Concen: 18.255 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 195306

Ion	Ratio	Lower	Upper
200	100		
173	25.5	5.4	45.4
215	50.8	29.0	69.0

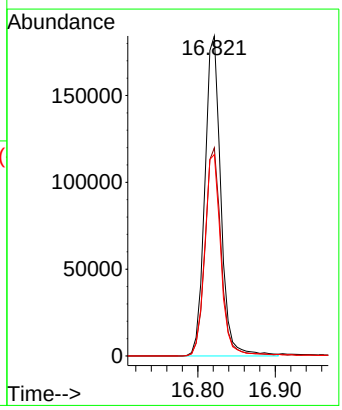


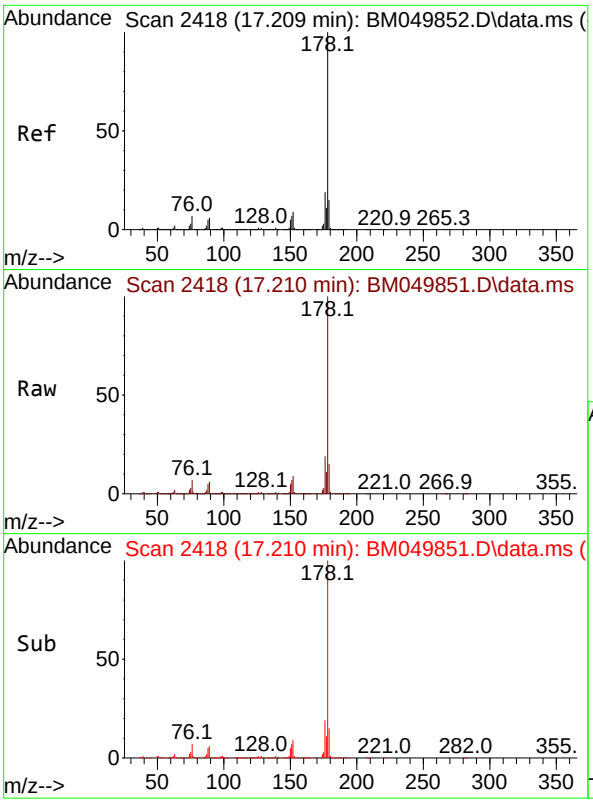


#70
Pentachlorophenol
Concen: 19.488 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:266 Resp: 263410

Ion	Ratio	Lower	Upper
266	100		
268	65.1	51.4	77.2
264	62.9	49.8	74.8



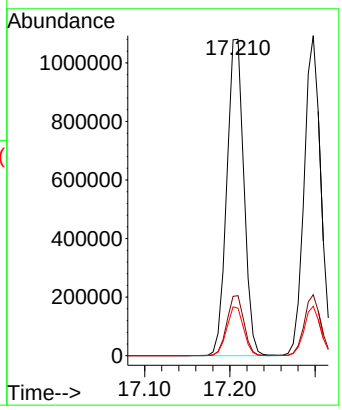


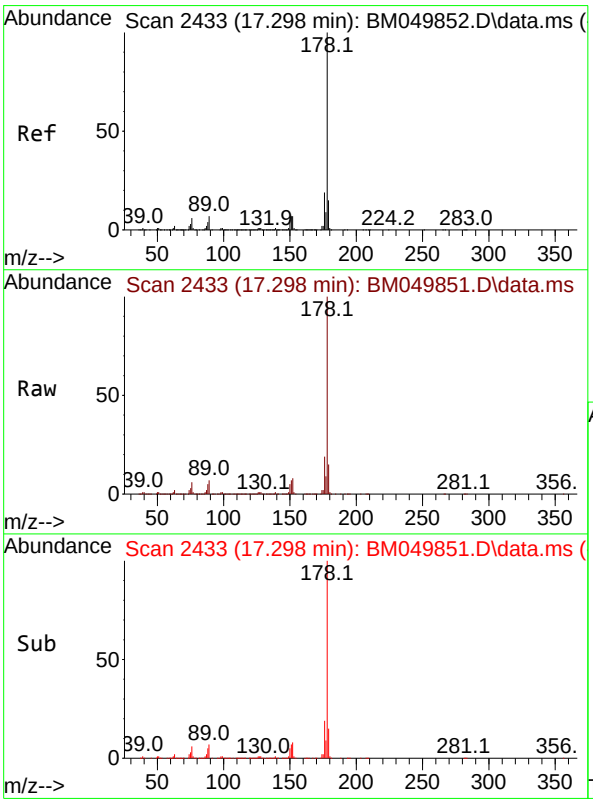
#71
Phenanthrene
Concen: 19.979 ng
RT: 17.210 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 1510233

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.0	12.3	18.5

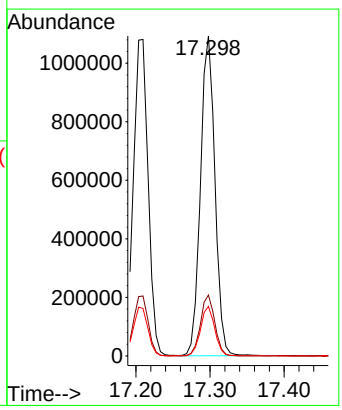


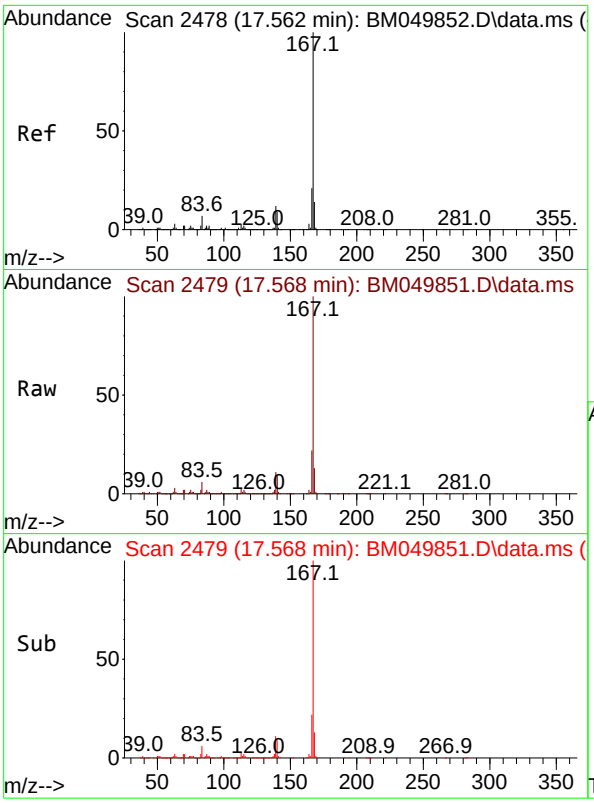


#72
Anthracene
Concen: 19.887 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:178 Resp: 1481463

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.4	12.4	18.6



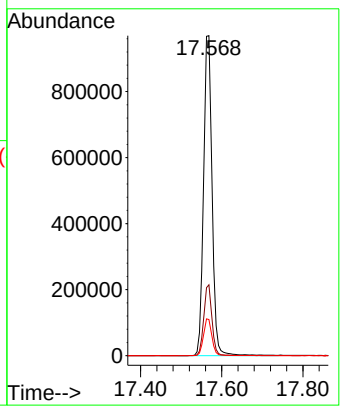


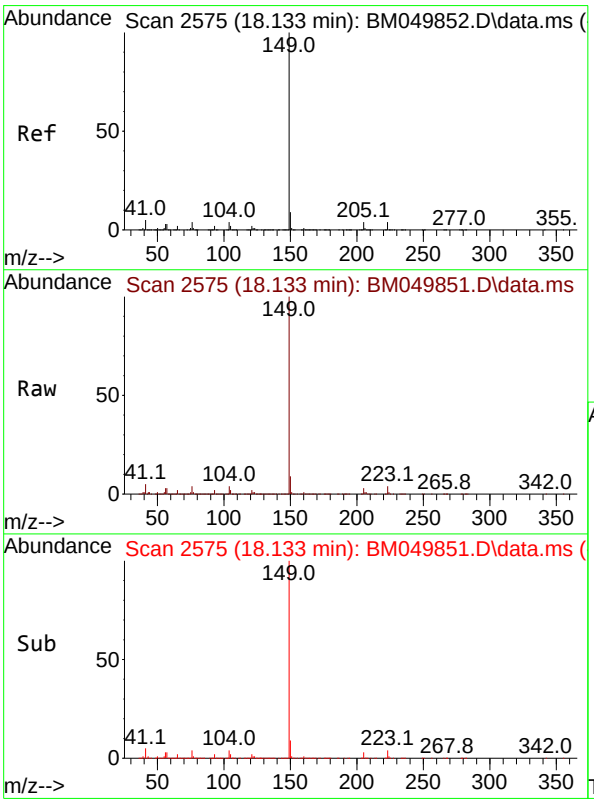
#73
Carbazole
Concen: 20.114 ng
RT: 17.568 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 1411278

Ion	Ratio	Lower	Upper
167	100		
166	22.1	16.9	25.3
139	11.3	9.3	13.9

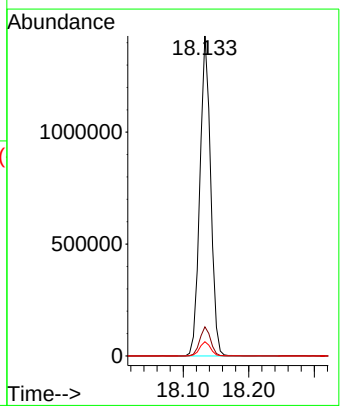


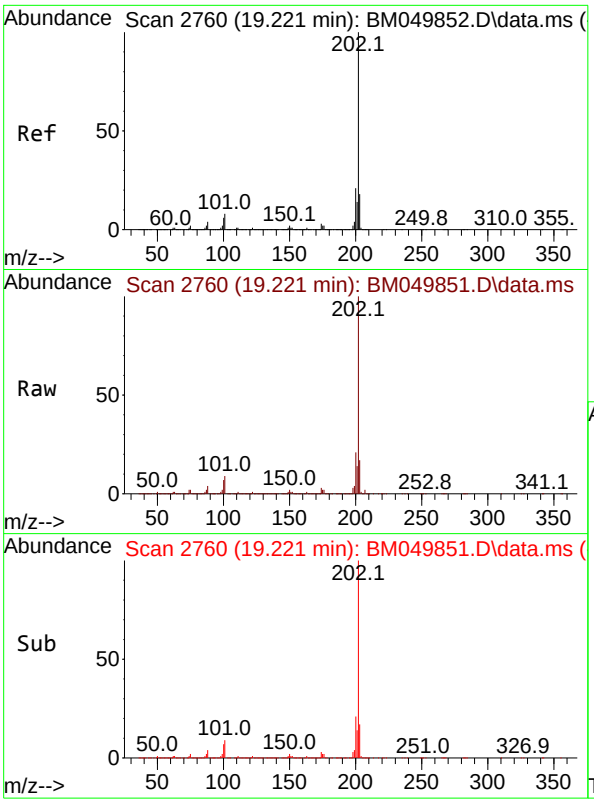


#74
Di-n-butylphthalate
Concen: 20.278 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:149 Resp: 1638787

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	4.5	3.5	5.3



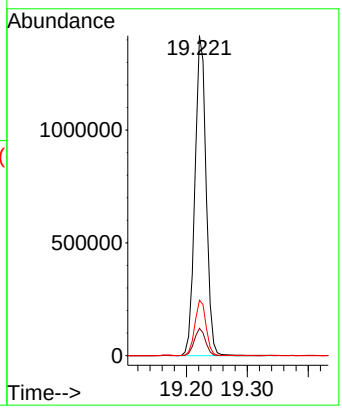


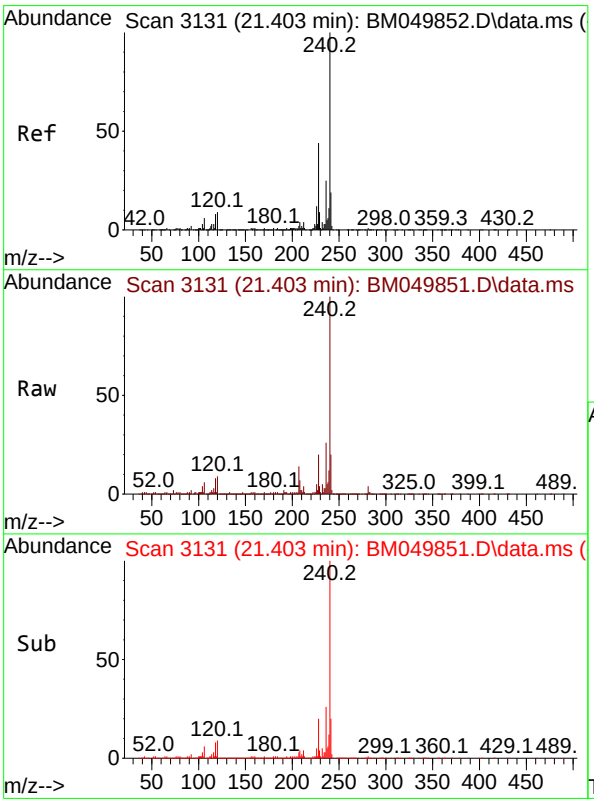
#75
Fluoranthene
Concen: 19.433 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 1806131

Ion	Ratio	Lower	Upper
202	100		
101	8.5	0.0	28.4
203	17.4	0.0	37.8

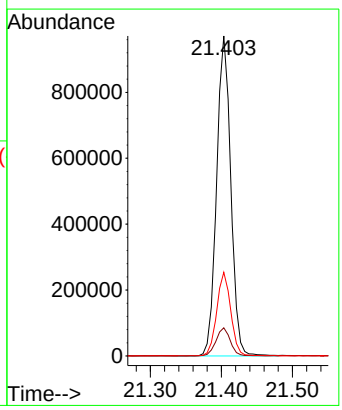


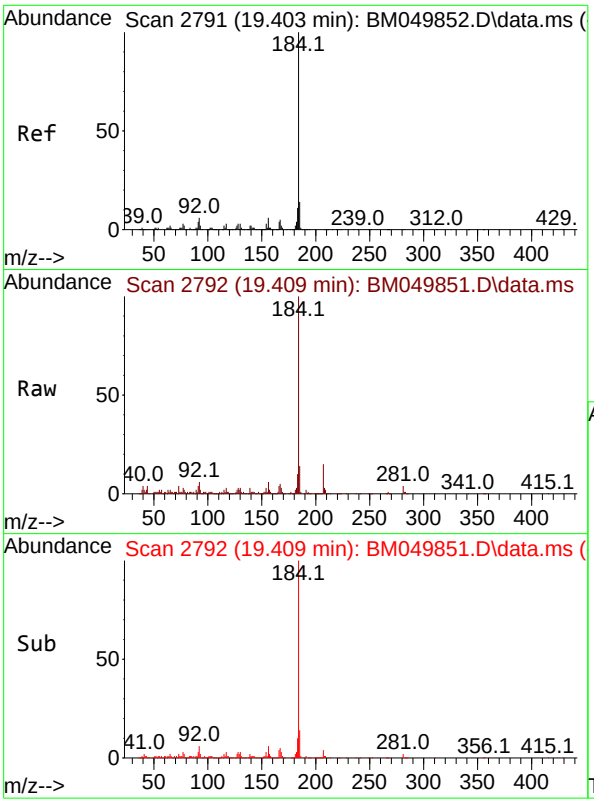


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:240 Resp: 1339758

Ion	Ratio	Lower	Upper
240	100		
120	8.8	6.9	10.3
236	26.1	20.4	30.6



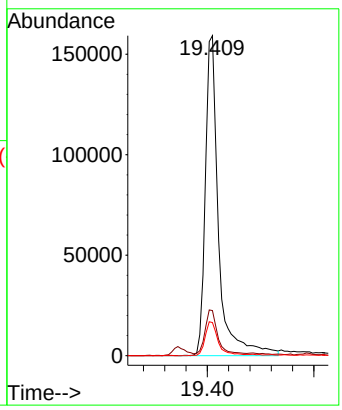


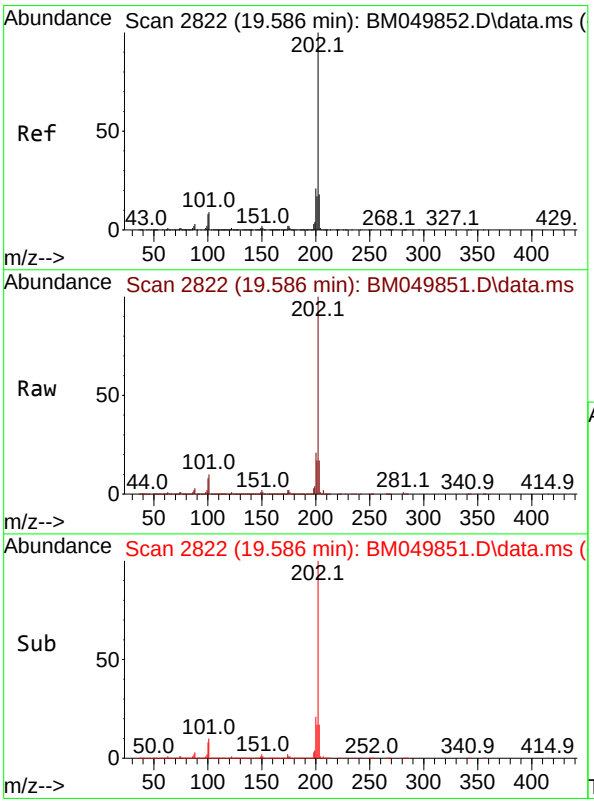
#77
Benzidine
Concen: 15.426 ng
RT: 19.409 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 274181

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.2
183	10.4	8.8	13.2

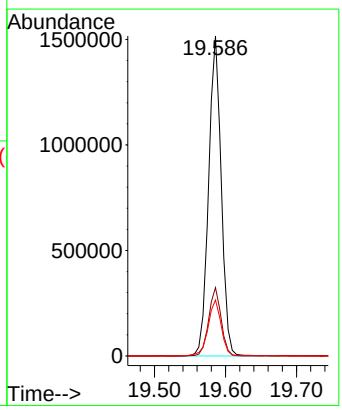


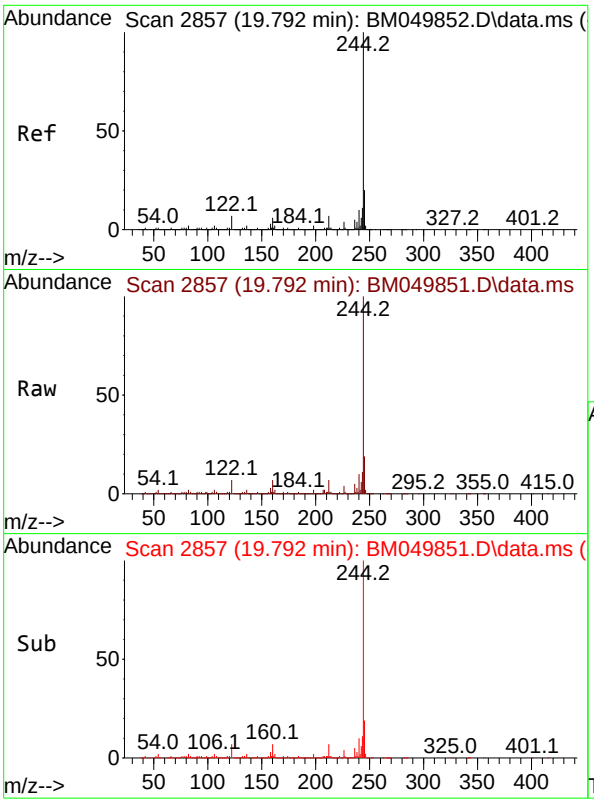


#78
Pyrene
Concen: 20.242 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:202 Resp: 1868988

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.5	24.7
203	17.5	14.0	21.0



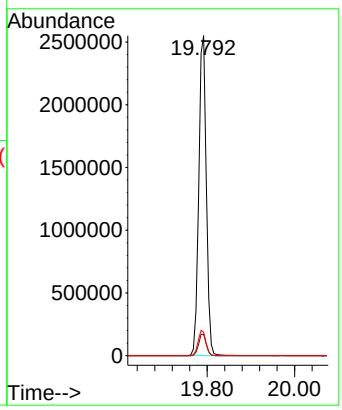


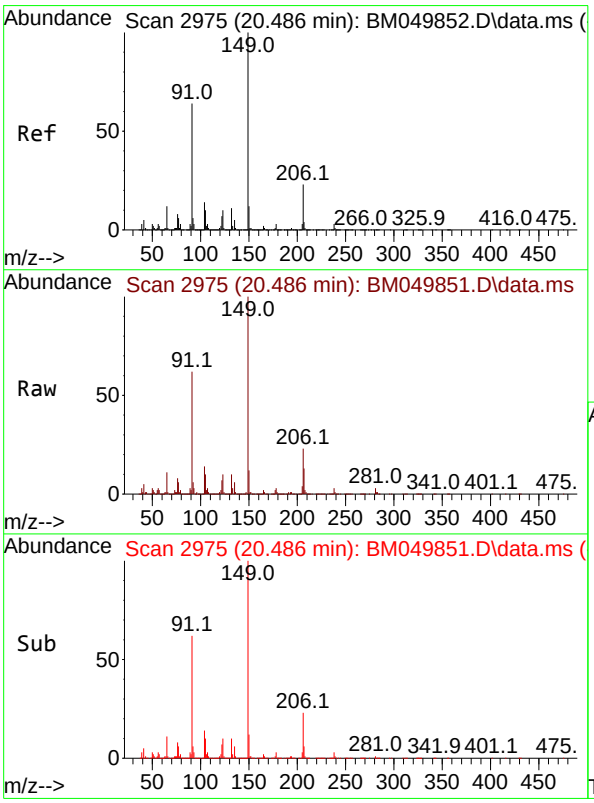
#79
Terphenyl-d14
Concen: 42.677 ng
RT: 19.792 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 3051000

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.5	8.3
122	7.4	5.4	8.0

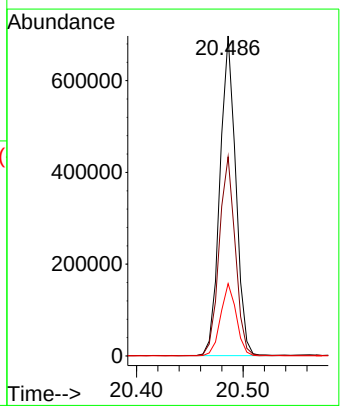


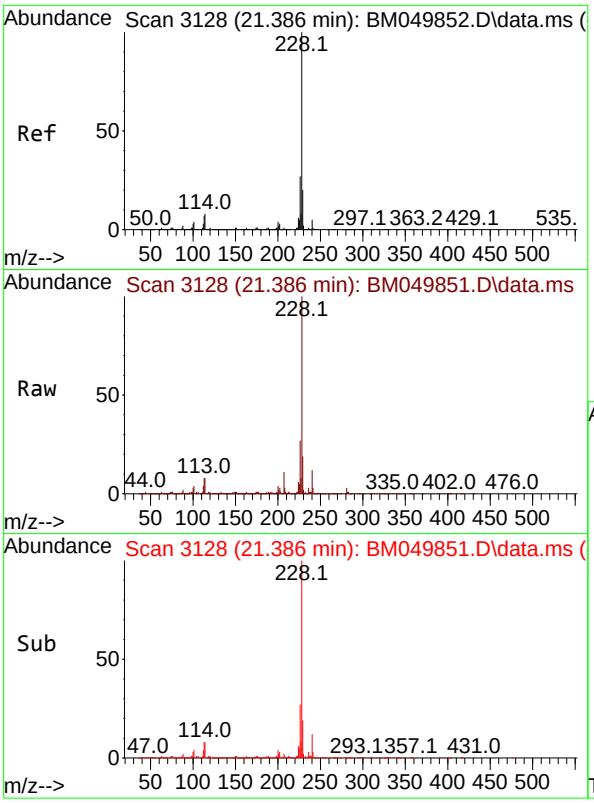


#80
Butylbenzylphthalate
Concen: 20.738 ng
RT: 20.486 min Scan# 2975
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:149 Resp: 719491

Ion	Ratio	Lower	Upper
149	100		
91	62.2	50.9	76.3
206	22.6	18.4	27.6



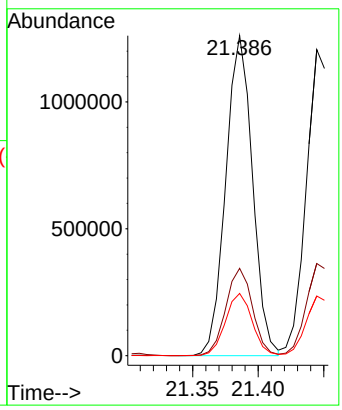


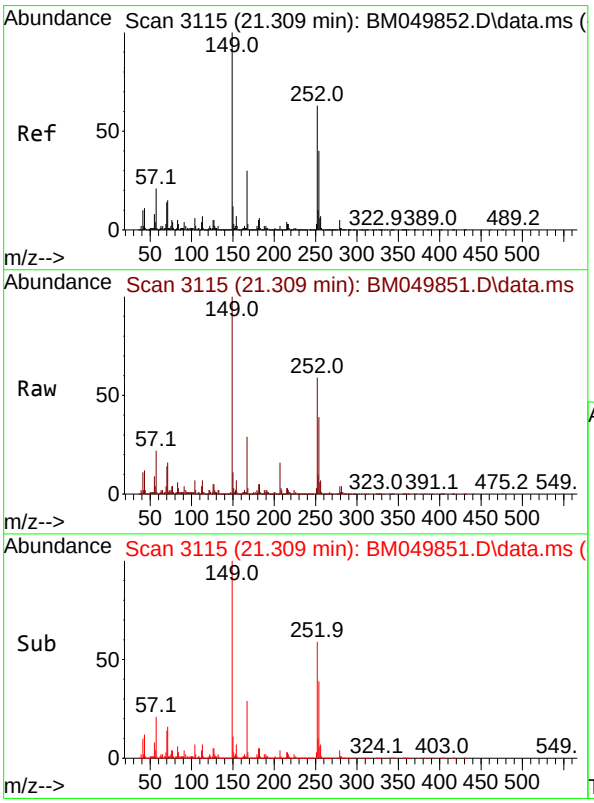
#81
Benzo(a)anthracene
Concen: 20.090 ng
RT: 21.386 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1788846

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.5	15.8	23.8

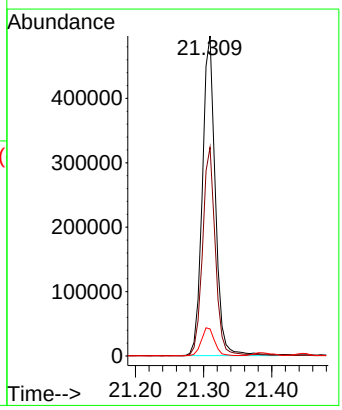


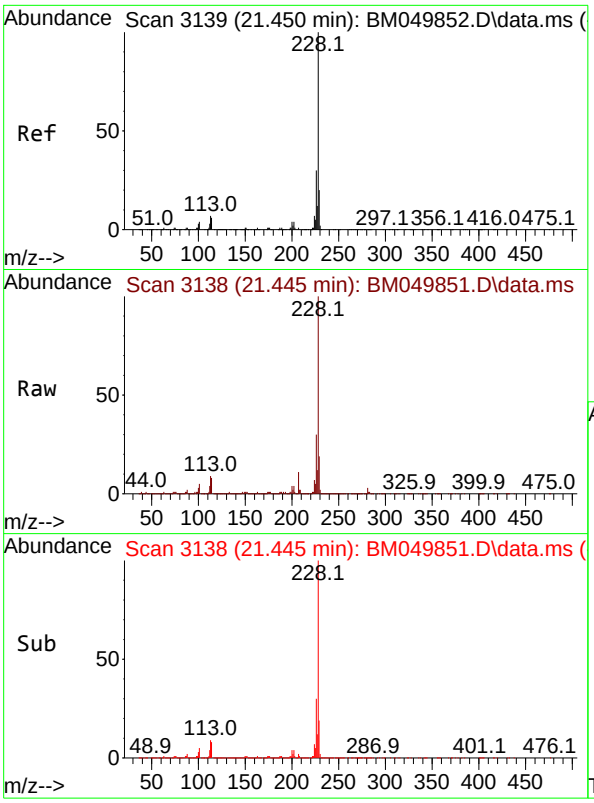


#82
3,3'-Dichlorobenzidine
Concen: 19.592 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:252 Resp: 658767

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.5	77.3
126	8.4	6.3	9.5



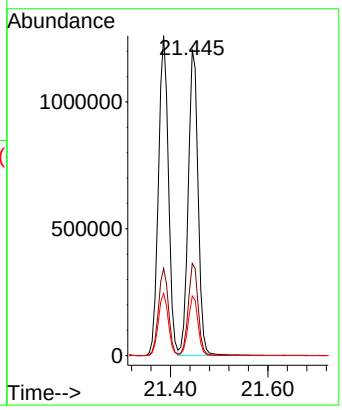


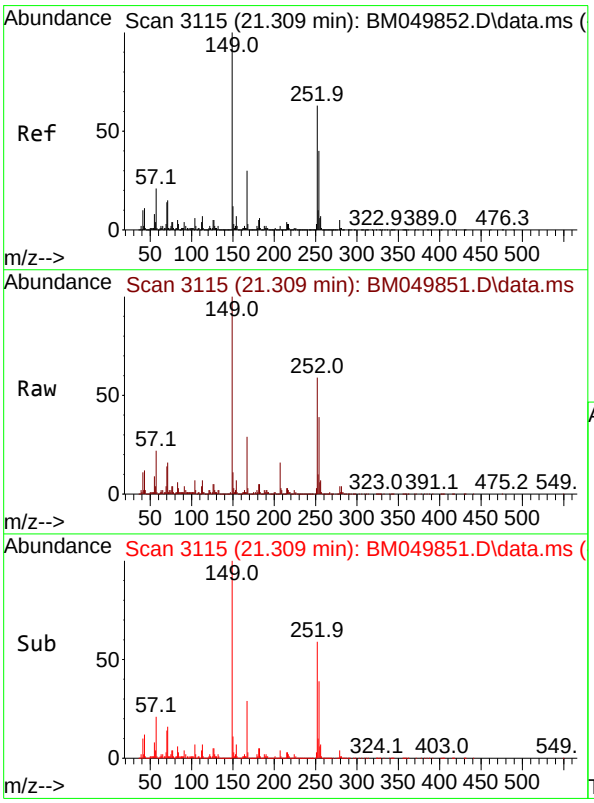
#83
Chrysene
Concen: 19.957 ng
RT: 21.445 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1689336

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.5	15.8	23.6

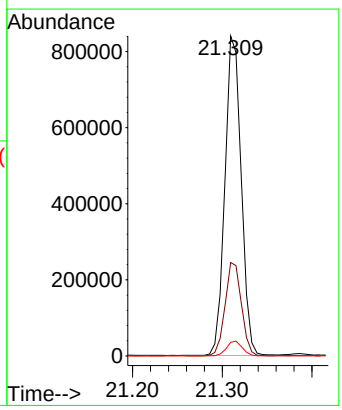


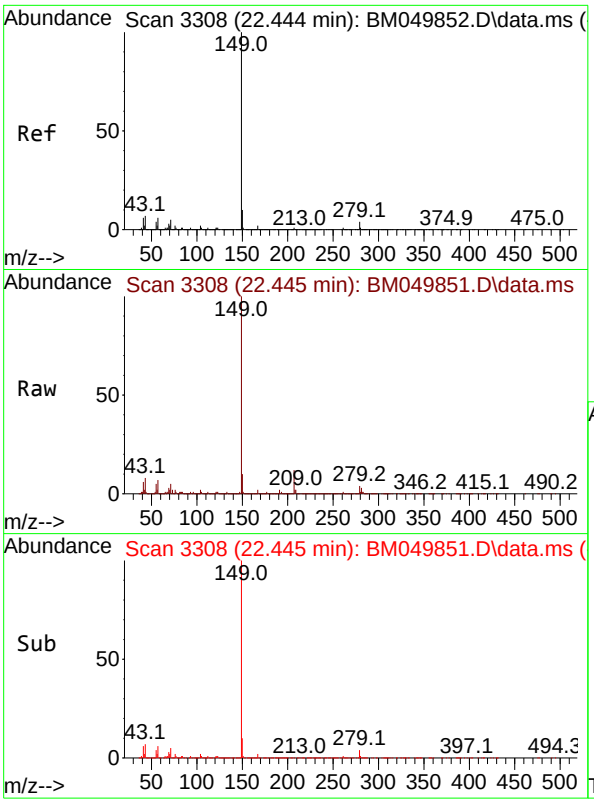


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.934 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:149 Resp: 1058190

Ion	Ratio	Lower	Upper
149	100		
167	29.2	23.8	35.6
279	4.3	3.8	5.8



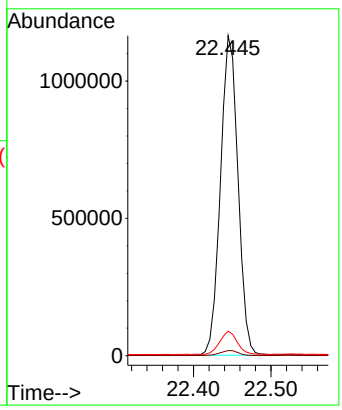


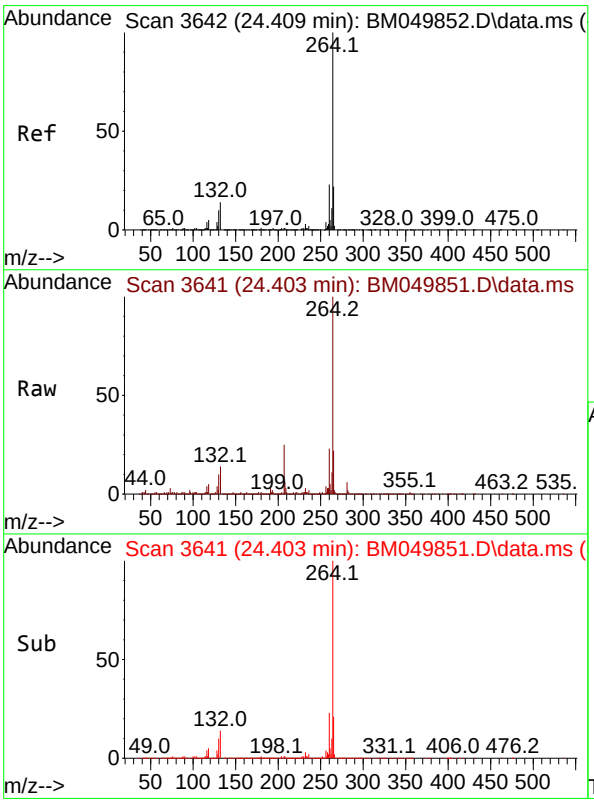
#85
Di-n-octyl phthalate
Concen: 20.699 ng
RT: 22.445 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 1830449

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.3	5.8	8.6

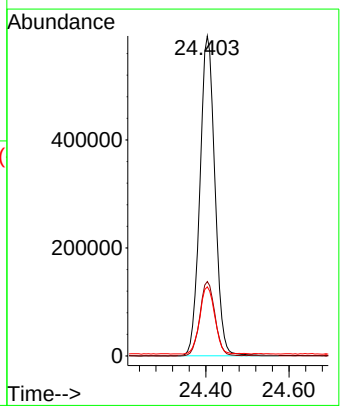


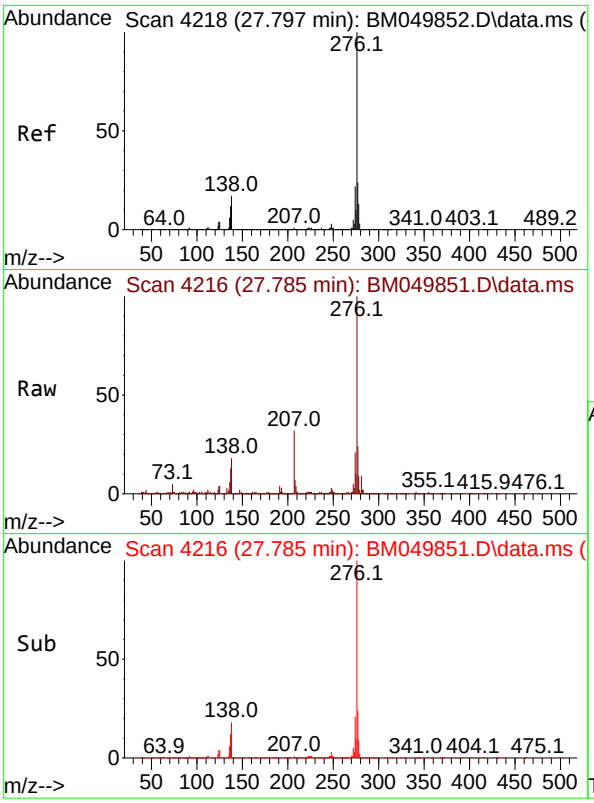


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3641
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:264 Resp: 1486954

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.6	17.8	26.8



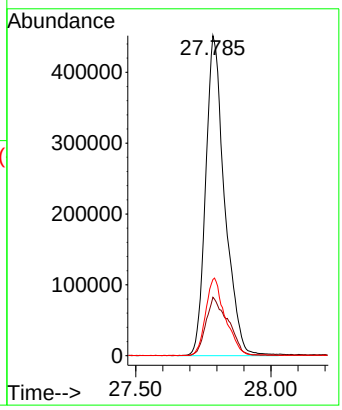


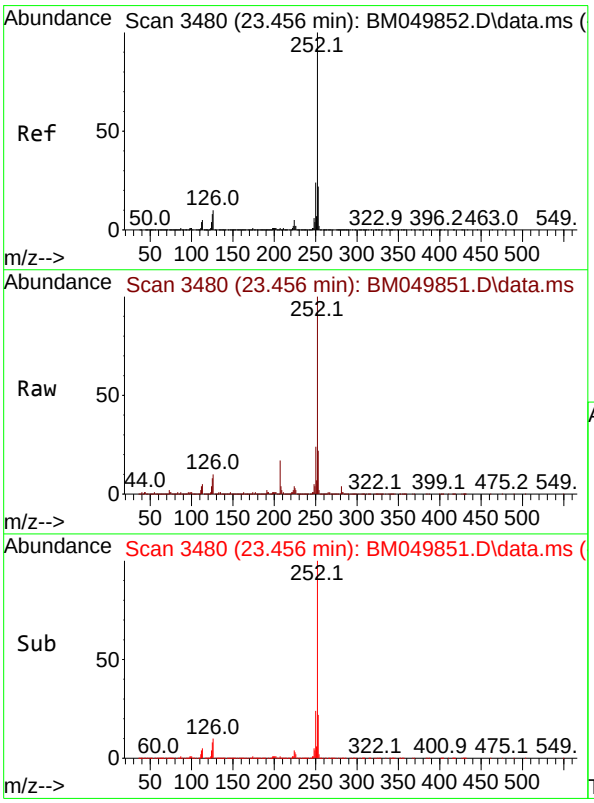
#87
Indeno(1,2,3-cd)pyrene
Concen: 19.848 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 2199957

Ion	Ratio	Lower	Upper
276	100		
138	21.4	16.8	25.2
277	24.9	20.1	30.1

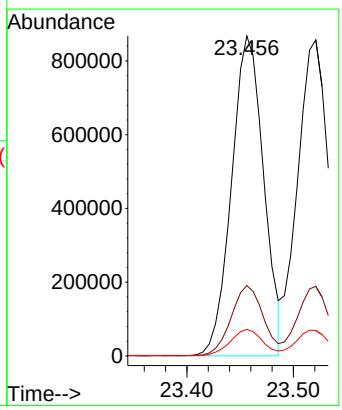


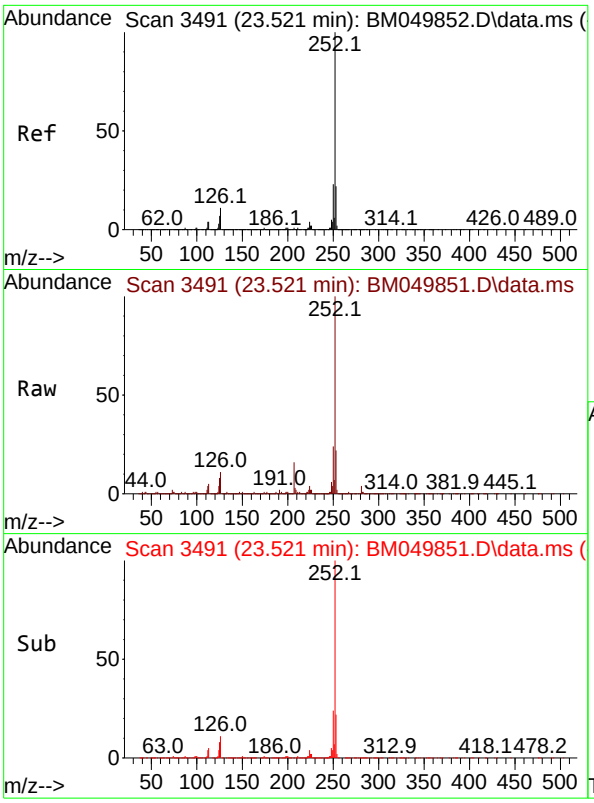


#88
Benzo(b)fluoranthene
Concen: 19.144 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:252 Resp: 1818051

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	8.3	6.2	9.4



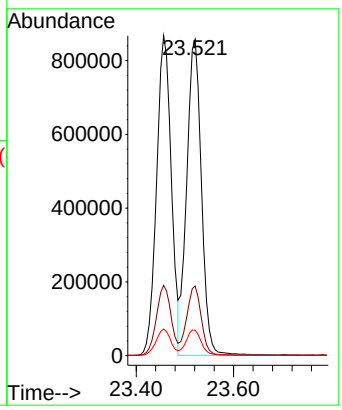


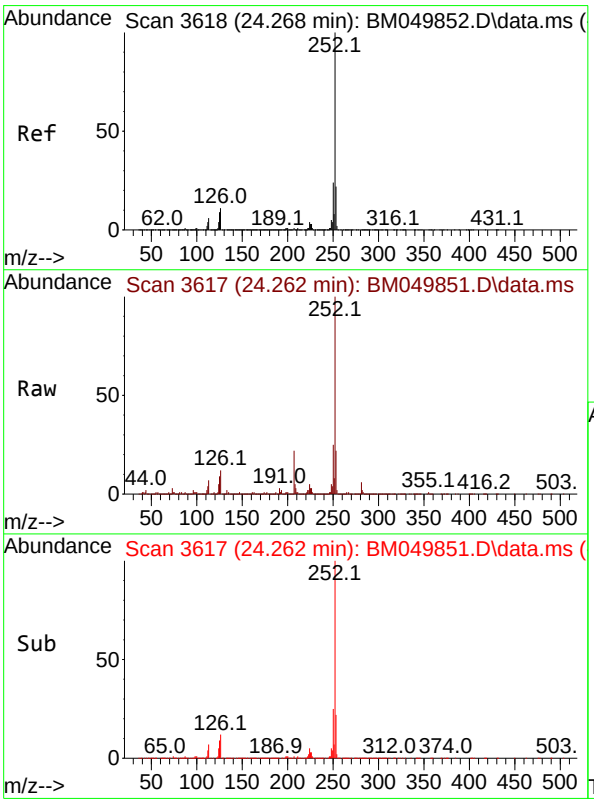
#89
Benzo(k)fluoranthene
Concen: 19.527 ng
RT: 23.521 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 1797007

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	8.1	5.8	8.8

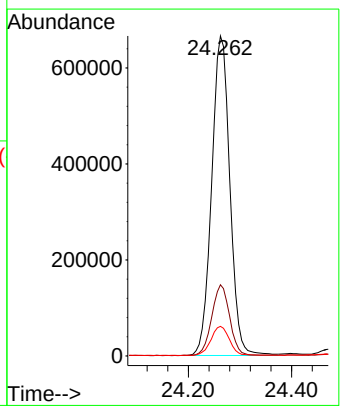


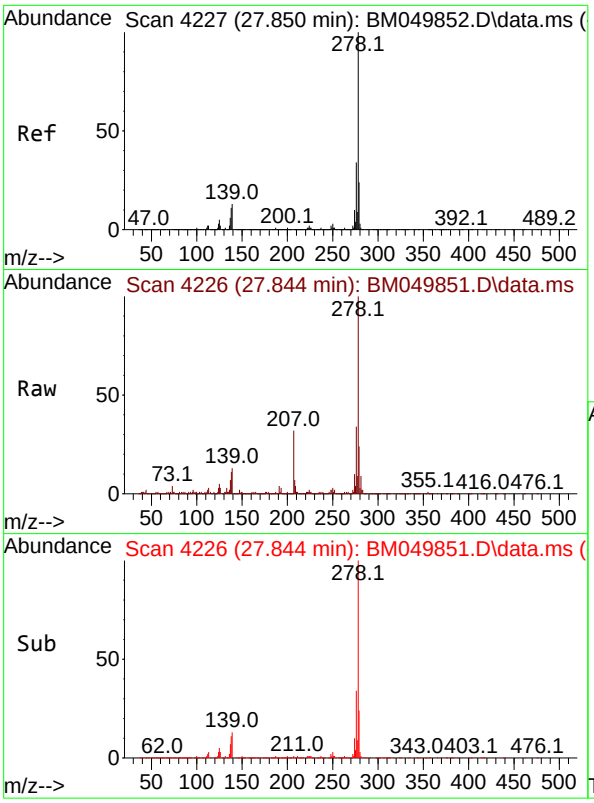


#90
Benzo(a)pyrene
Concen: 19.526 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:252 Resp: 1629441

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	9.3	7.0	10.4



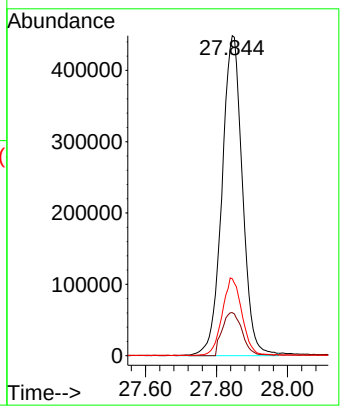


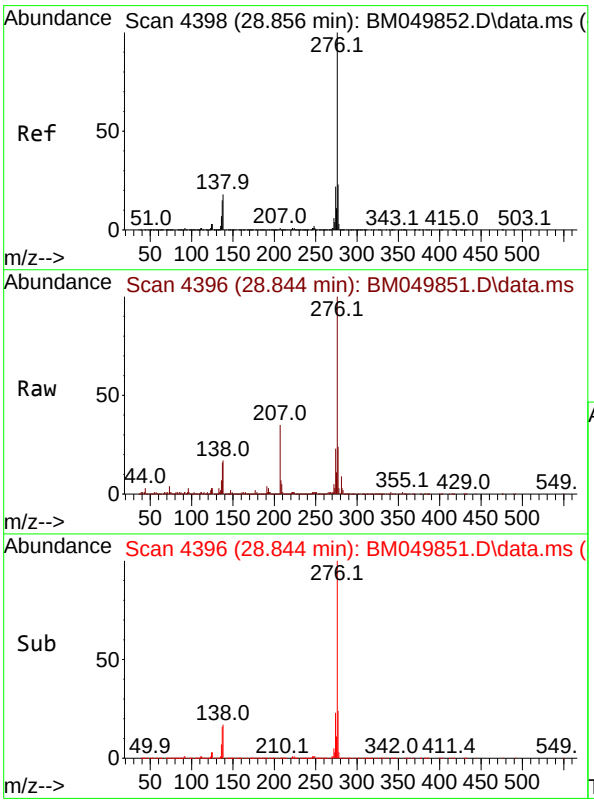
#91
Dibenzo(a,h)anthracene
Concen: 19.631 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Instrument :
BNA_M
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 1792231

Ion	Ratio	Lower	Upper
278	100		
139	13.5	10.6	15.8
279	24.0	19.1	28.7

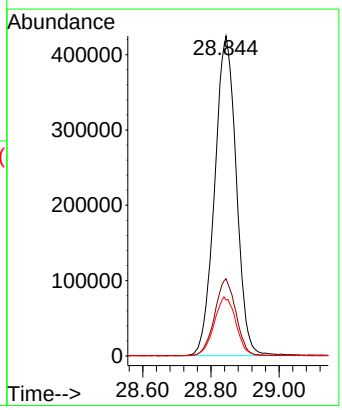




#92
Benzo(g,h,i)perylene
Concen: 20.005 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.012 min
Lab File: BM049851.D
Acq: 08 Apr 2025 15:32

Tgt Ion:276 Resp: 1866337

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	17.4	14.6	21.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	302331	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1026791	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	644538	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1259832	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1277117	20.000	ng	0.00
86) Perylene-d12	24.409	264	1383369	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	1440504	80.908	ng	0.00
7) Phenol-d6	6.951	99	1802855	81.386	ng	0.00
23) Nitrobenzene-d5	8.934	82	1510046	81.893	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	757084	80.755	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	3905323	82.162	ng	0.00
79) Terphenyl-d14	19.792	244	6061535	88.947	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	295123	40.249	ng	100
3) Pyridine	3.663	79	778424	40.422	ng	100
4) n-Nitrosodimethylamine	3.569	42	295528	40.309	ng	100
6) Aniline	7.104	93	801408	42.221	ng	100
8) 2-Chlorophenol	7.345	128	736217	40.349	ng	100
9) Benzaldehyde	6.916	77	453694	39.945	ng	100
10) Phenol	6.975	94	871619	40.321	ng	100
11) bis(2-Chloroethyl)ether	7.204	93	686377	40.490	ng	100
12) 1,3-Dichlorobenzene	7.669	146	869556	40.310	ng	100
13) 1,4-Dichlorobenzene	7.816	146	878856	40.490	ng	100
14) 1,2-Dichlorobenzene	8.134	146	830948	40.644	ng	100
15) Benzyl Alcohol	8.016	79	576334	41.317	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.310	45	766170	40.550	ng	100
17) 2-Methylphenol	8.228	107	539006	40.462	ng	100
18) Hexachloroethane	8.857	117	304783	40.360	ng	100
19) n-Nitroso-di-n-propyla...	8.586	70	505613	41.211	ng	100
20) 3+4-Methylphenols	8.551	107	739987	40.745	ng	100
22) Acetophenone	8.598	105	1021725	40.944	ng	100
24) Nitrobenzene	8.975	77	731712	41.211	ng	100
25) Isophorone	9.504	82	1264620	40.940	ng	100
26) 2-Nitrophenol	9.686	139	389011	41.338	ng	100
27) 2,4-Dimethylphenol	9.751	122	438345	41.102	ng	100
28) bis(2-Chloroethoxy)met...	9.986	93	842494	40.740	ng	100
29) 2,4-Dichlorophenol	10.222	162	725384	40.918	ng	100
30) 1,2,4-Trichlorobenzene	10.439	180	829411	40.442	ng	100
31) Naphthalene	10.622	128	2139433	40.550	ng	100
32) Benzoic acid	9.875	122	471552	37.918	ng	100
33) 4-Chloroaniline	10.728	127	780602	41.899	ng	100
34) Hexachlorobutadiene	10.916	225	511599	40.329	ng	100
35) Caprolactam	11.516	113	208829	41.071	ng	100
36) 4-Chloro-3-methylphenol	11.863	107	635013	40.893	ng	100
37) 2-Methylnaphthalene	12.239	142	1506744	40.533	ng	100
38) 1-Methylnaphthalene	12.457	142	1464829	40.448	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	910125	40.362	ng	100
41) Hexachlorocyclopentadiene	12.592	237	340037	43.036	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	592155	41.269	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	645125	41.373	ng	100
46) 1,1'-Biphenyl	13.251	154	1969872	41.114	ng	100
47) 2-Chloronaphthalene	13.292	162	1538747	40.860	ng	100
48) 2-Nitroaniline	13.498	65	365393	41.941	ng	100
49) Acenaphthylene	14.145	152	2245605	40.937	ng	100
50) Dimethylphthalate	13.880	163	1853920	40.771	ng	100
51) 2,6-Dinitrotoluene	13.992	165	400110	41.998	ng	100
52) Acenaphthene	14.486	154	1434901	41.123	ng	100
53) 3-Nitroaniline	14.321	138	399172	43.352	ng	100
54) 2,4-Dinitrophenol	14.533	184	236910	38.463	ng	100
55) Dibenzofuran	14.821	168	2378962	40.784	ng	100
56) 4-Nitrophenol	14.639	139	348645	42.490	ng	100
57) 2,4-Dinitrotoluene	14.780	165	542212	42.662	ng	100
58) Fluorene	15.468	166	1908871	41.170	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.051	232	550595	40.287	ng	100
60) Diethylphthalate	15.245	149	1791575	41.085	ng	100
61) 4-Chlorophenyl-phenyle...	15.468	204	1016885	40.907	ng	100
62) 4-Nitroaniline	15.486	138	411956	43.263	ng	100
63) Azobenzene	15.757	77	1549968	41.517	ng	100
65) 4,6-Dinitro-2-methylph...	15.551	198	332394	41.869	ng	100
66) n-Nitrosodiphenylamine	15.680	169	1560374	41.387	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	601282	41.113	ng	100
68) Hexachlorobenzene	16.480	284	686665	40.933	ng	100
69) Atrazine	16.627	200	326609	33.411	ng	100
70) Pentachlorophenol	16.815	266	514744	41.678	ng	100
71) Phenanthrene	17.209	178	2854182	41.324	ng	100
72) Anthracene	17.298	178	2833652	41.631	ng	100
73) Carbazole	17.562	167	2667570	41.609	ng	100
74) Di-n-butylphthalate	18.133	149	3062695	41.476	ng	100
75) Fluoranthene	19.221	202	3495877	41.165	ng	100
77) Benzidine	19.403	184	1028267	60.691	ng	100
78) Pyrene	19.586	202	3596605	40.863	ng	100
80) Butylbenzylphthalate	20.486	149	1368958	41.392	ng	100
81) Benzo(a)anthracene	21.386	228	3478165	40.979	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	1342391	41.880	ng	100
83) Chrysene	21.450	228	3299571	40.890	ng	100
84) Bis(2-ethylhexyl)phtha...	21.309	149	2000260	41.512	ng	100
85) Di-n-octyl phthalate	22.444	149	3479444	41.276	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	4168171	40.421	ng	100
88) Benzo(b)fluoranthene	23.456	252	3619584	40.968	ng	100
89) Benzo(k)fluoranthene	23.521	252	3436549	40.138	ng	100
90) Benzo(a)pyrene	24.268	252	3127065	40.278	ng	100
91) Dibenzo(a,h)anthracene	27.850	278	3441534	40.519	ng	100
92) Benzo(g,h,i)perylene	28.856	276	3500110	40.326	ng	100

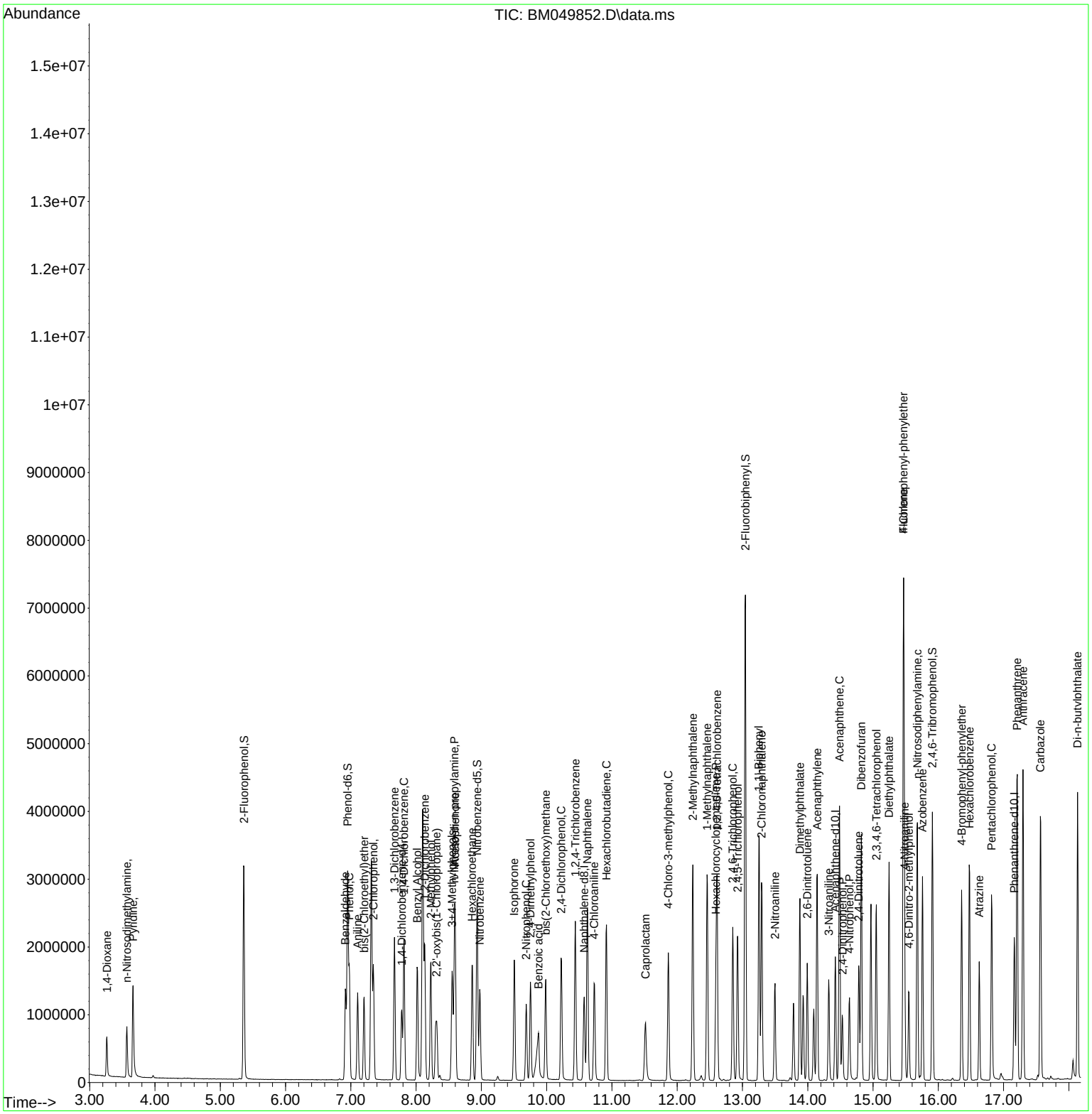
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

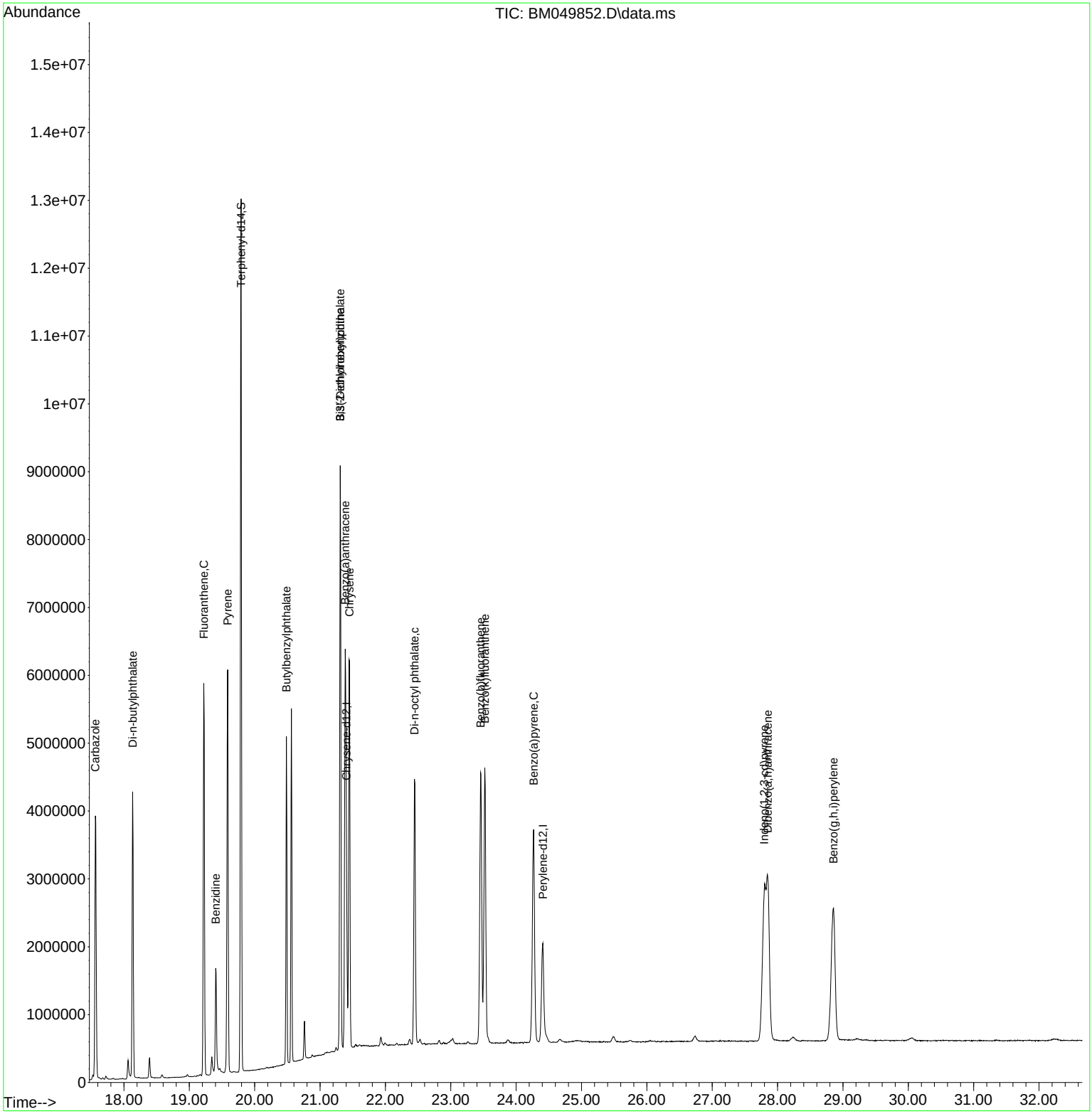


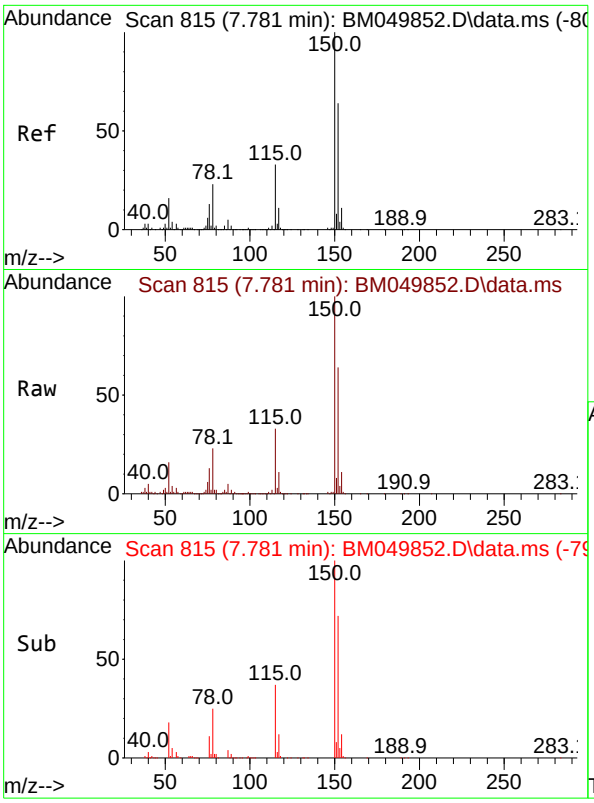
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049852.D
Acq On : 08 Apr 2025 16:12
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Quant Time: Apr 09 03:01:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



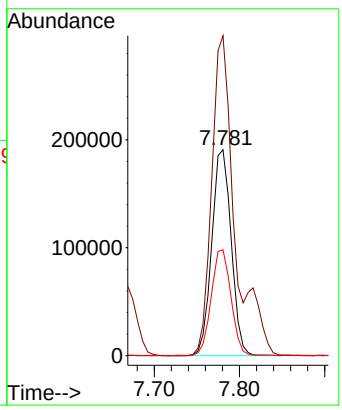


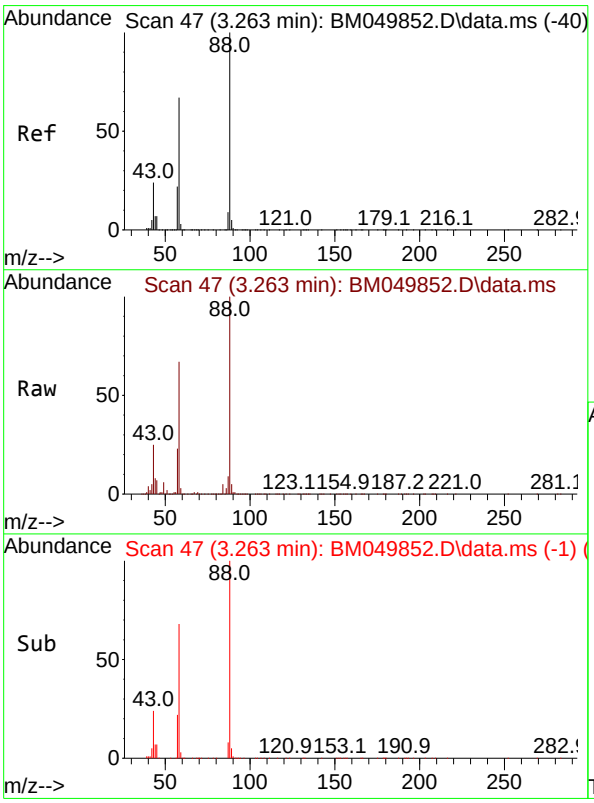
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 302331

Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.3	186.5
115	51.4	41.1	61.7

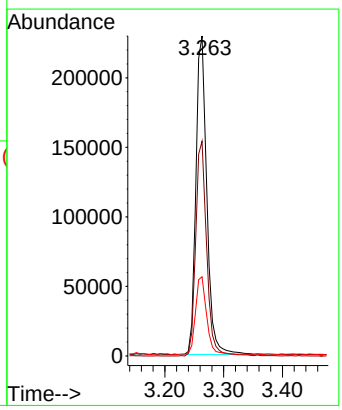


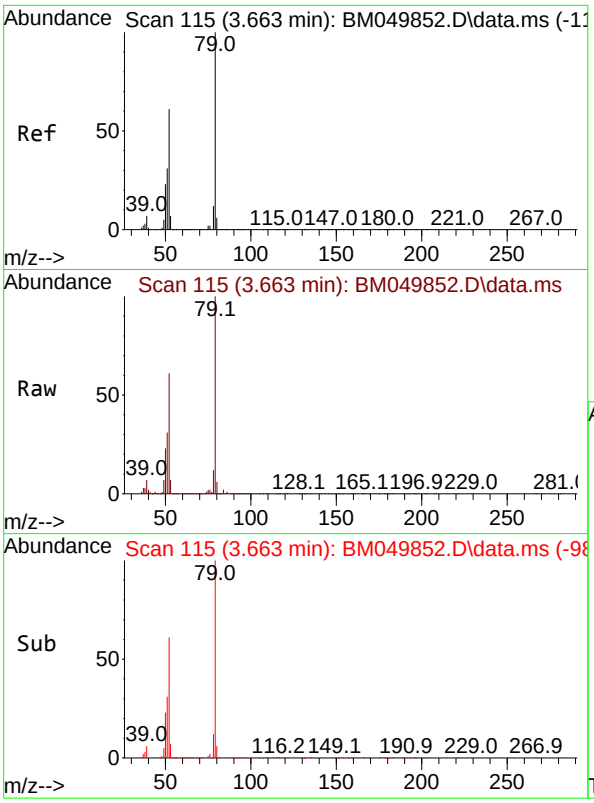


#2
1,4-Dioxane
Concen: 40.249 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 88 Resp: 295123

Ion	Ratio	Lower	Upper
88	100		
58	67.6	54.1	81.1
43	25.3	20.2	30.4



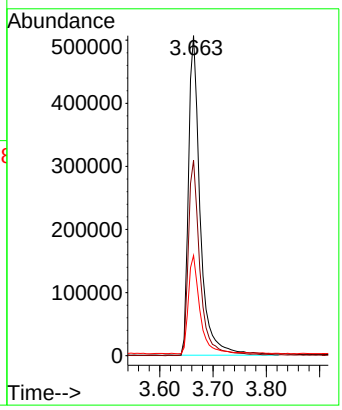


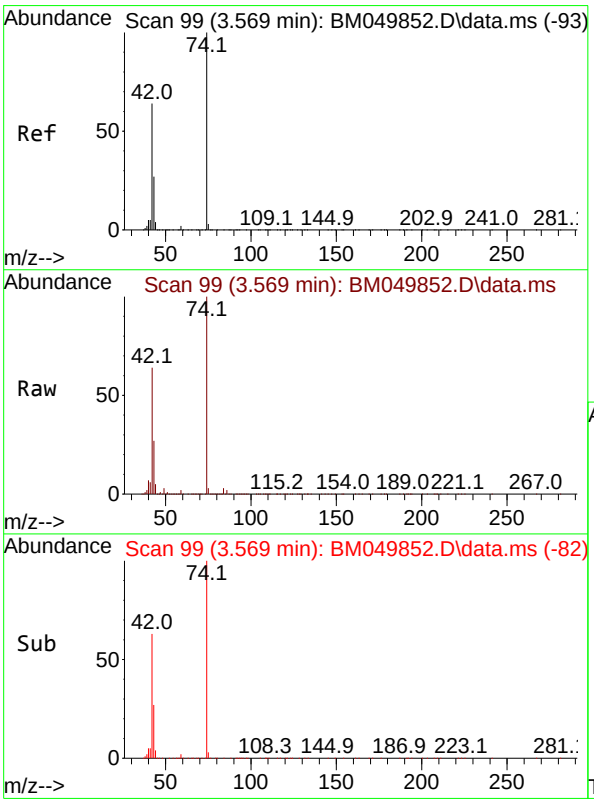
#3
Pyridine
Concen: 40.422 ng
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 778424

Ion	Ratio	Lower	Upper
79	100		
52	61.1	48.9	73.3
51	31.3	25.0	37.6

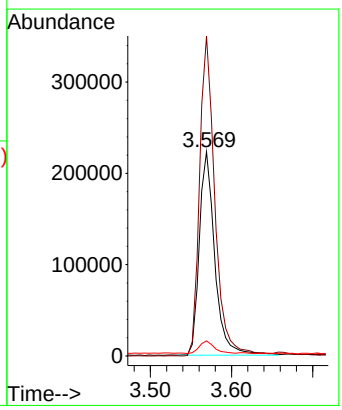


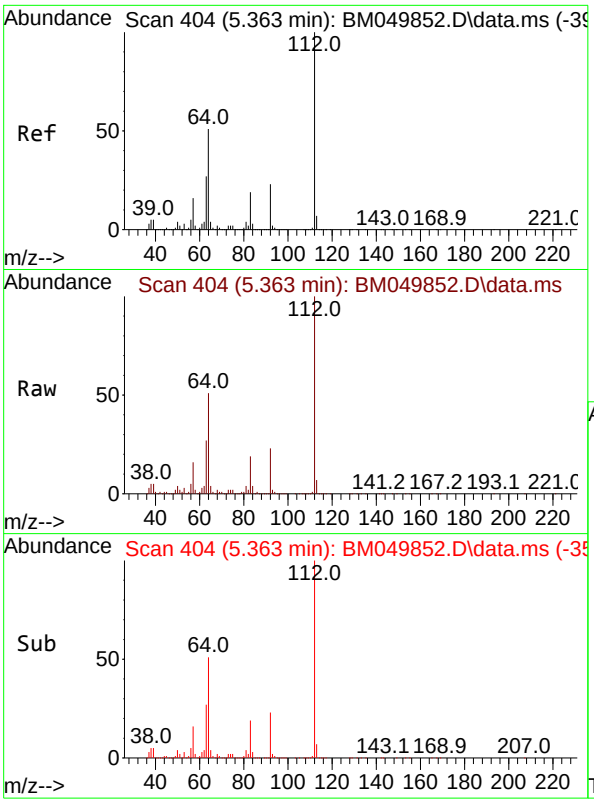


#4
n-Nitrosodimethylamine
Concen: 40.309 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 42 Resp: 295528

Ion	Ratio	Lower	Upper
42	100		
74	156.8	125.4	188.2
44	7.4	5.9	8.9



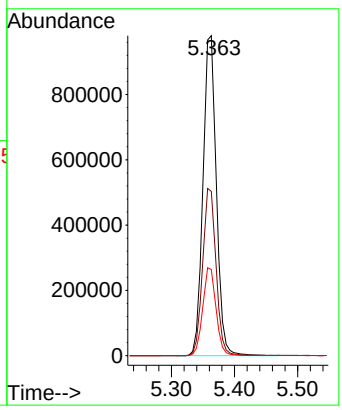


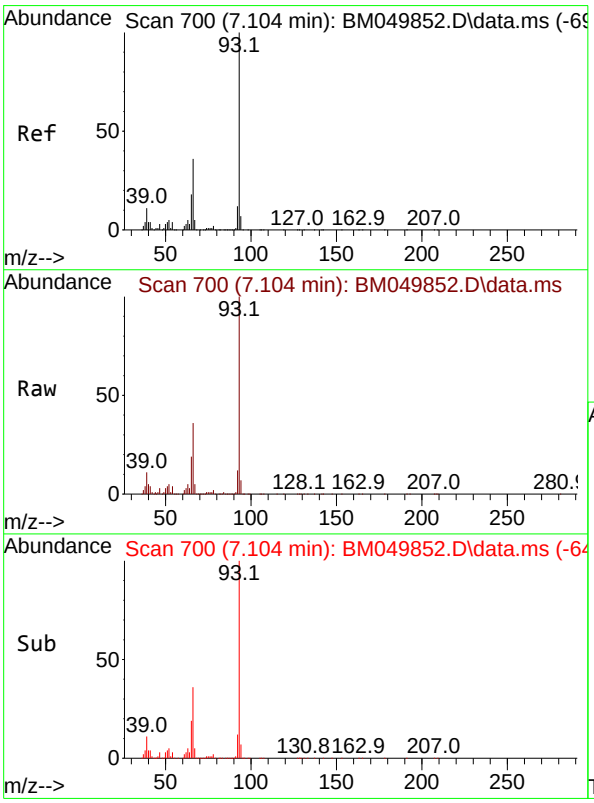
#5
2-Fluorophenol
Concen: 80.908 ng
RT: 5.363 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 1440504

Ion	Ratio	Lower	Upper
112	100		
64	51.3	41.0	61.6
63	26.9	21.5	32.3

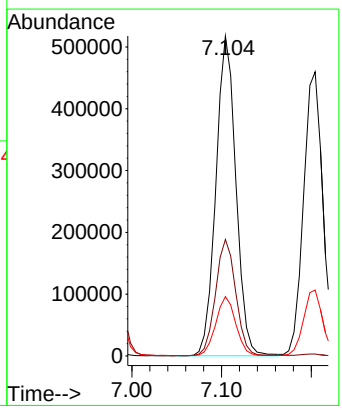


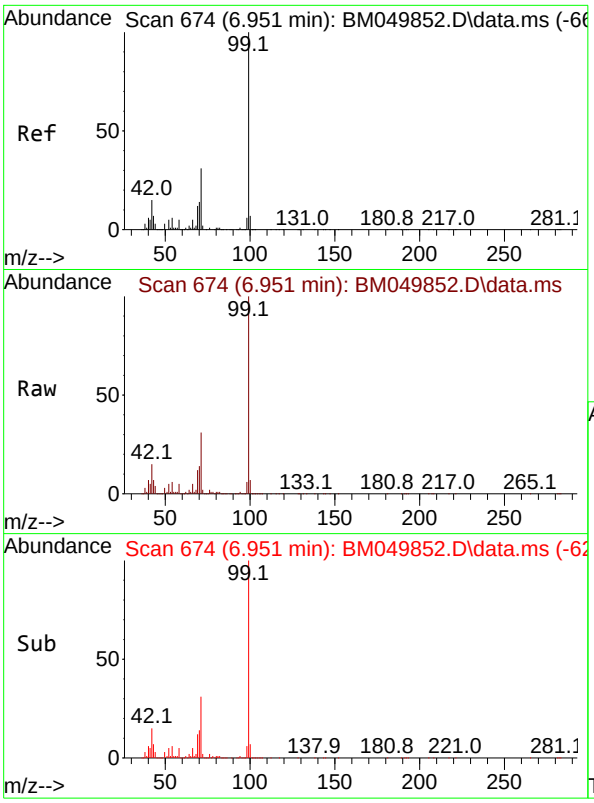


#6
Aniline
Concen: 42.221 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 93 Resp: 801408

Ion	Ratio	Lower	Upper
93	100		
66	36.4	29.1	43.7
65	18.6	14.9	22.3



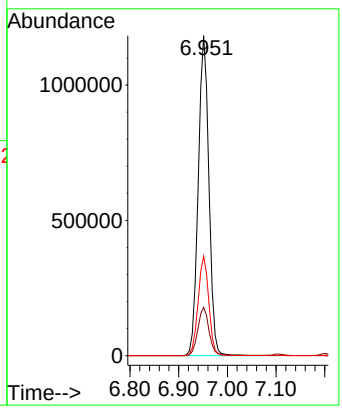


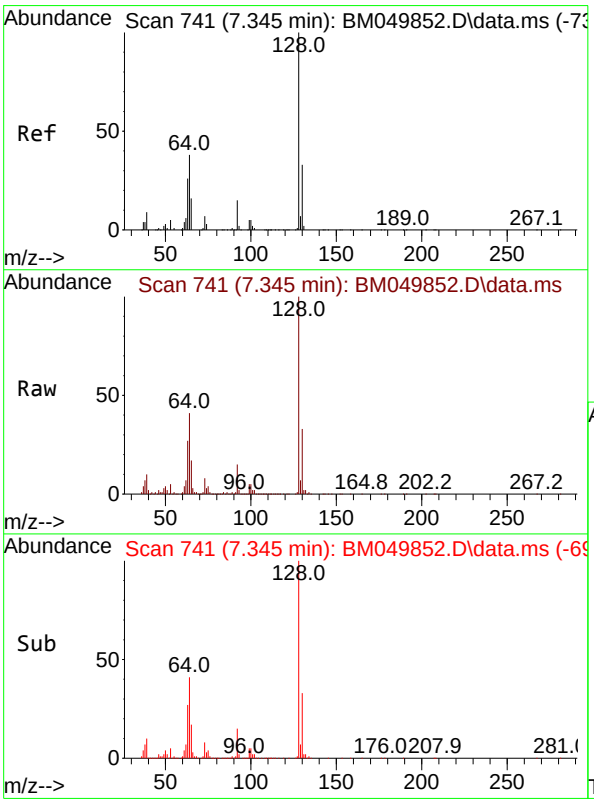
#7
Phenol-d6
Concen: 81.386 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1802855

Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.1	18.1
71	31.1	24.9	37.3

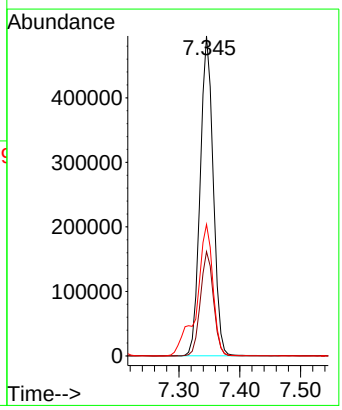


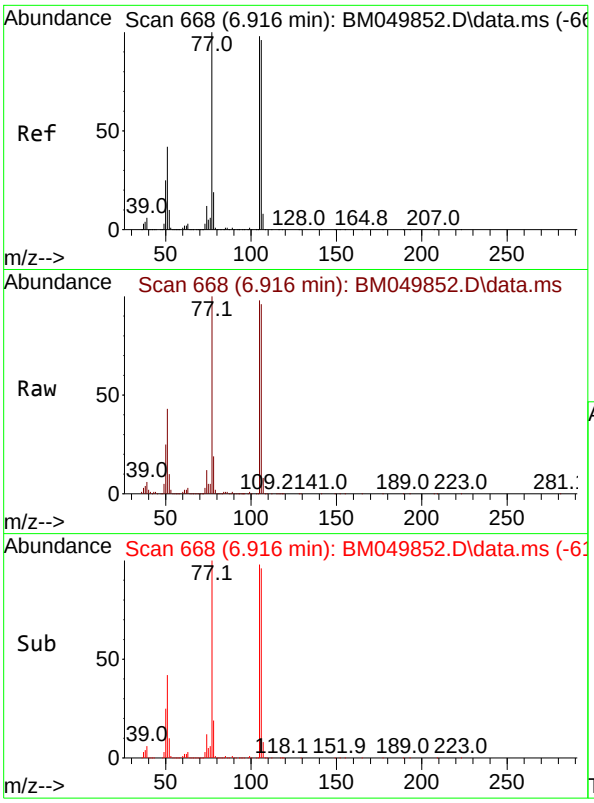


#8
2-Chlorophenol
Concen: 40.349 ng
RT: 7.345 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:128 Resp: 736217

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.6	52.6
64	41.1	21.1	61.1



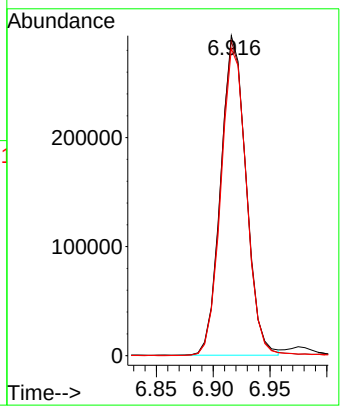


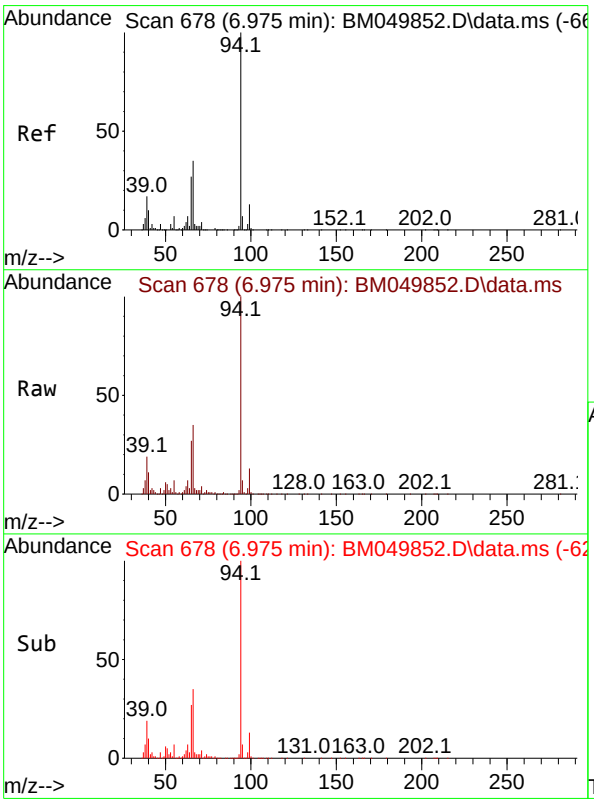
#9
Benzaldehyde
Concen: 39.945 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 453694

Ion	Ratio	Lower	Upper
77	100		
105	98.3	78.3	118.3
106	96.0	76.0	116.0

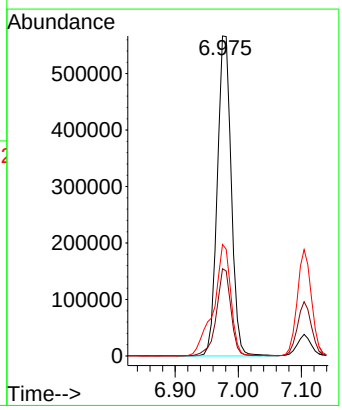


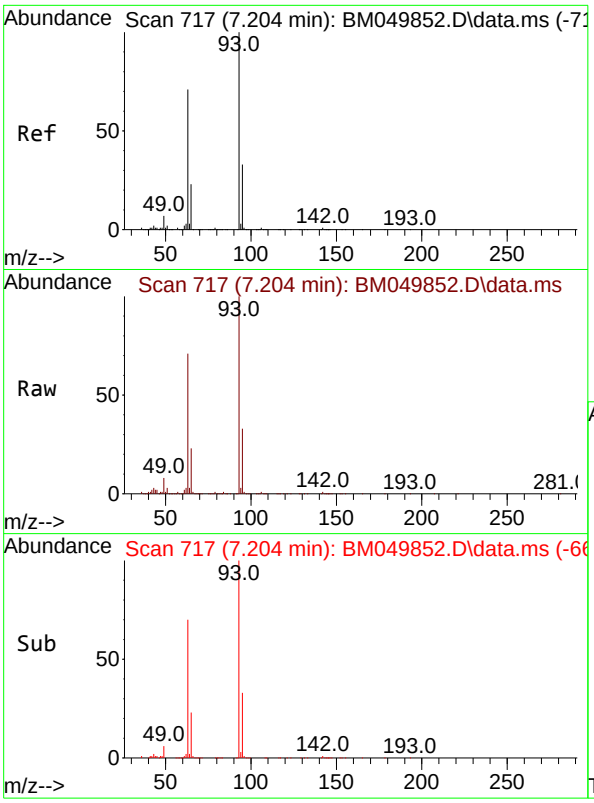


#10
Phenol
Concen: 40.321 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 94 Resp: 871619

Ion	Ratio	Lower	Upper
94	100		
65	27.3	7.3	47.3
66	34.8	14.8	54.8



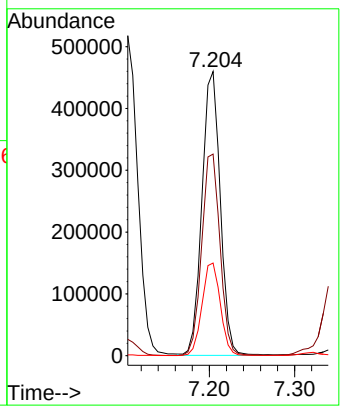


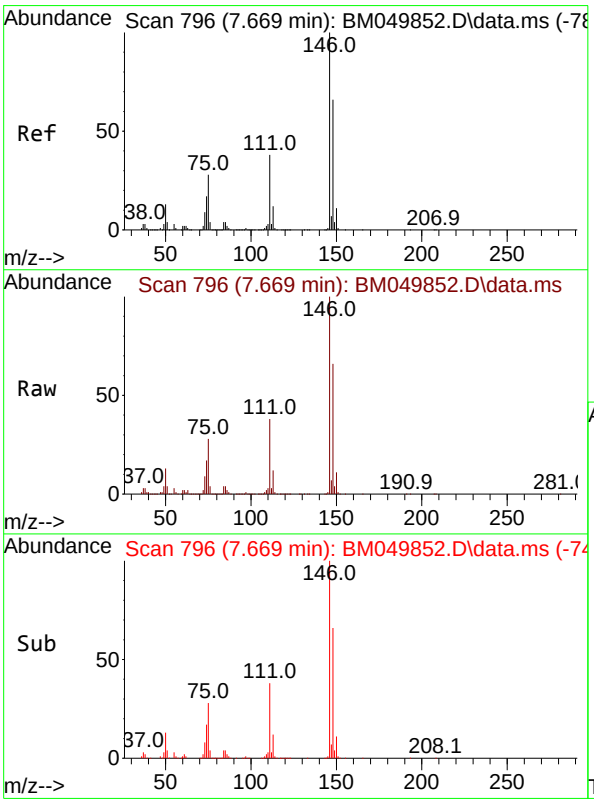
#11
bis(2-Chloroethyl)ether
Concen: 40.490 ng
RT: 7.204 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 686377

Ion	Ratio	Lower	Upper
93	100		
63	70.9	50.9	90.9
95	32.6	12.6	52.6

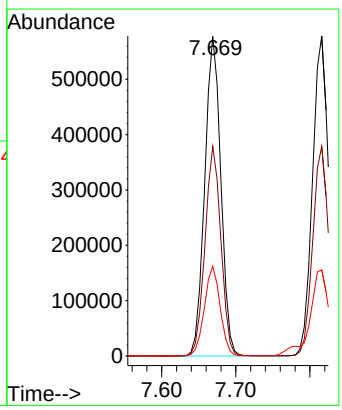


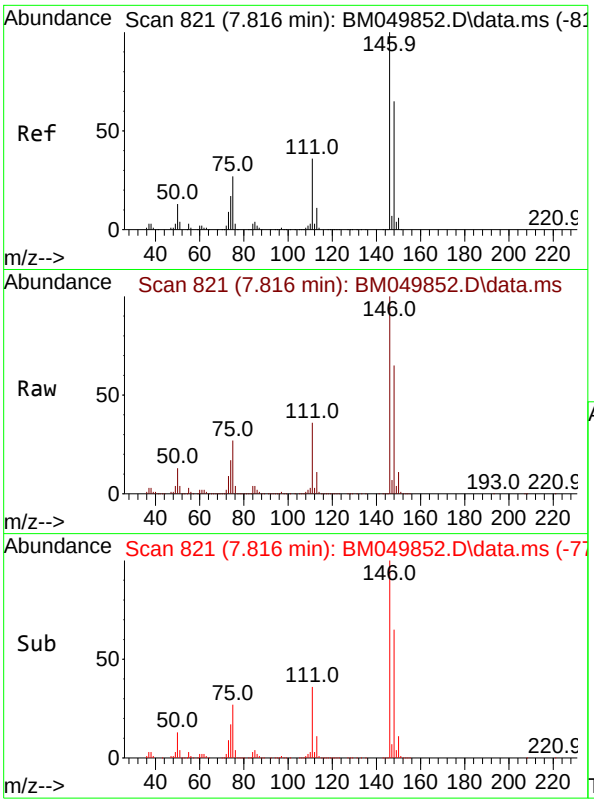


#12
1,3-Dichlorobenzene
Concen: 40.310 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:146 Resp: 869556

Ion	Ratio	Lower	Upper
146	100		
148	65.6	52.5	78.7
75	28.1	22.5	33.7



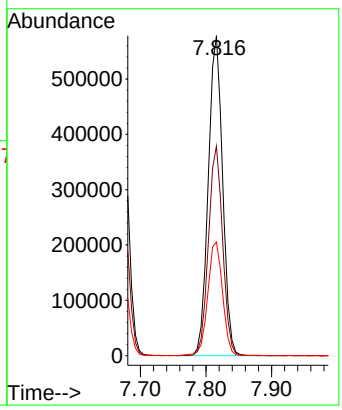


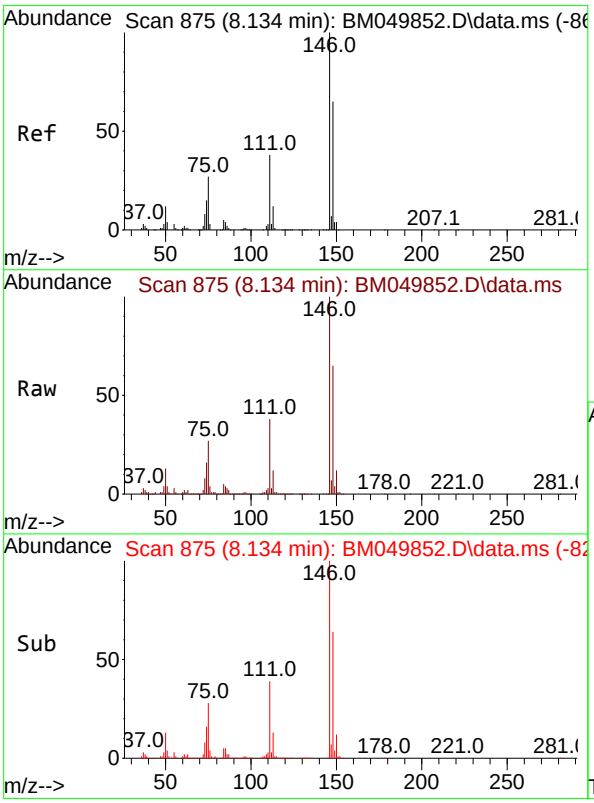
#13
1,4-Dichlorobenzene
Concen: 40.490 ng
RT: 7.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 878856

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.4	78.6
111	35.6	28.5	42.7

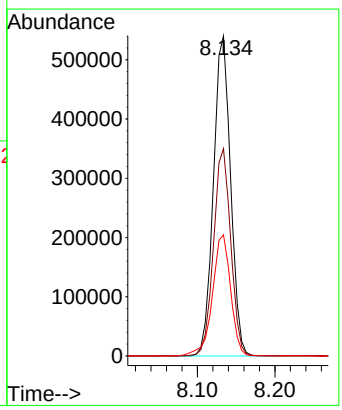


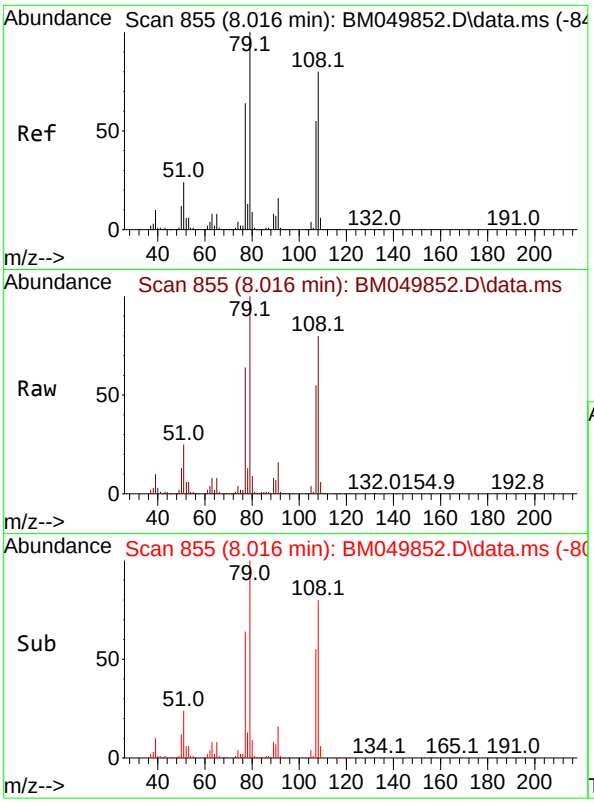


#14
1,2-Dichlorobenzene
Concen: 40.644 ng
RT: 8.134 min Scan# 875
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:146 Resp: 830948

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
111	37.8	30.2	45.4



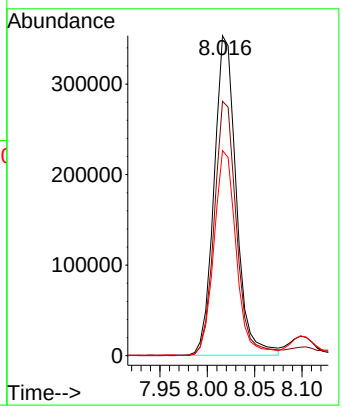


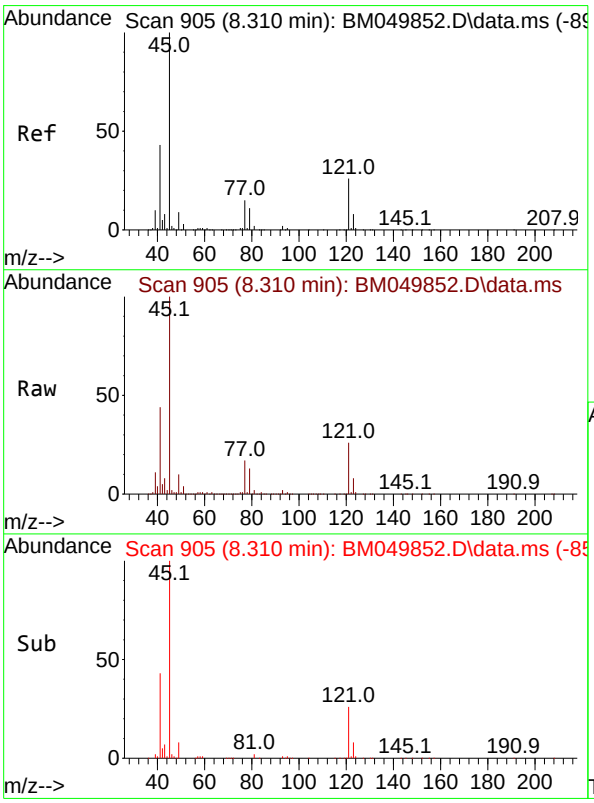
#15
Benzyl Alcohol
Concen: 41.317 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 576334

Ion	Ratio	Lower	Upper
79	100		
108	79.5	63.6	95.4
77	64.1	51.3	76.9

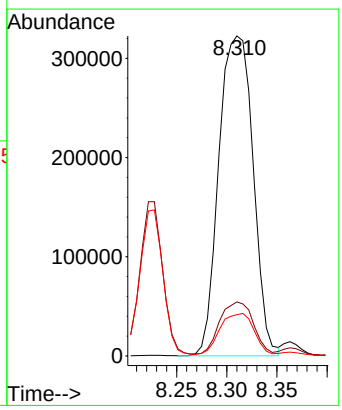


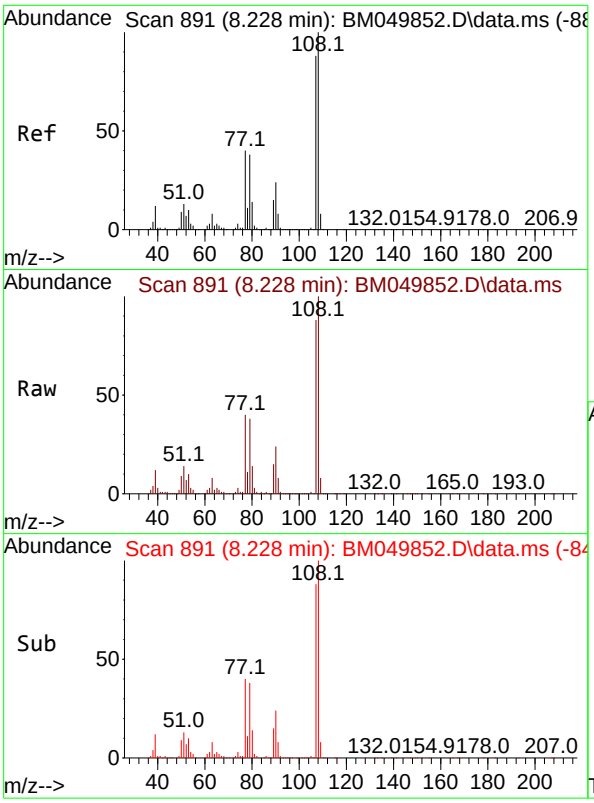


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.550 ng
RT: 8.310 min Scan# 905
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 45 Resp: 766170

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.9
79	12.9	0.0	32.9



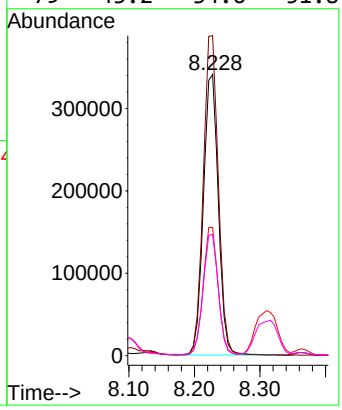


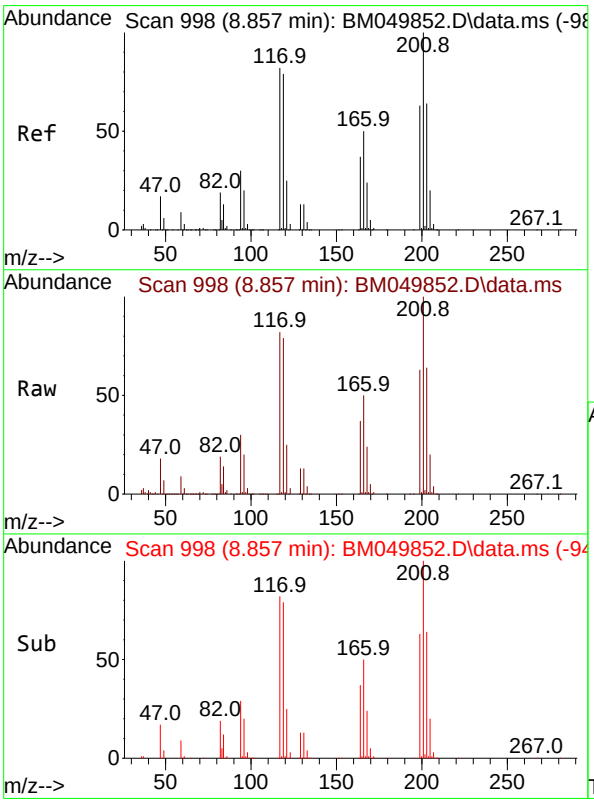
#17
2-Methylphenol
Concen: 40.462 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 539006

Ion	Ratio	Lower	Upper
107	100		
108	113.8	91.0	136.6
77	45.6	36.5	54.7
79	43.2	34.6	51.8

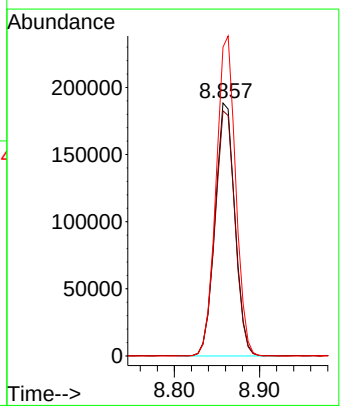


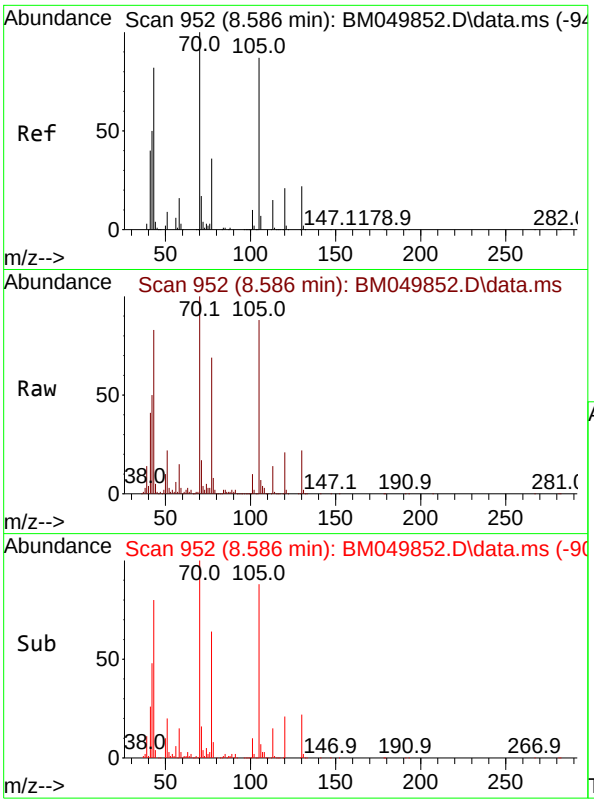


#18
Hexachloroethane
Concen: 40.360 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:117 Resp: 304783

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
201	122.1	97.7	146.5



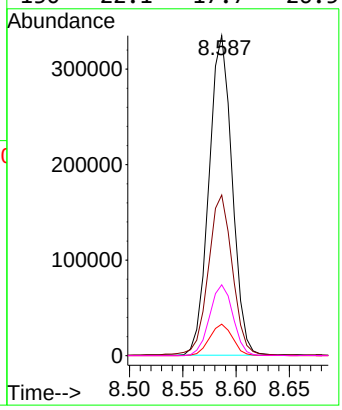


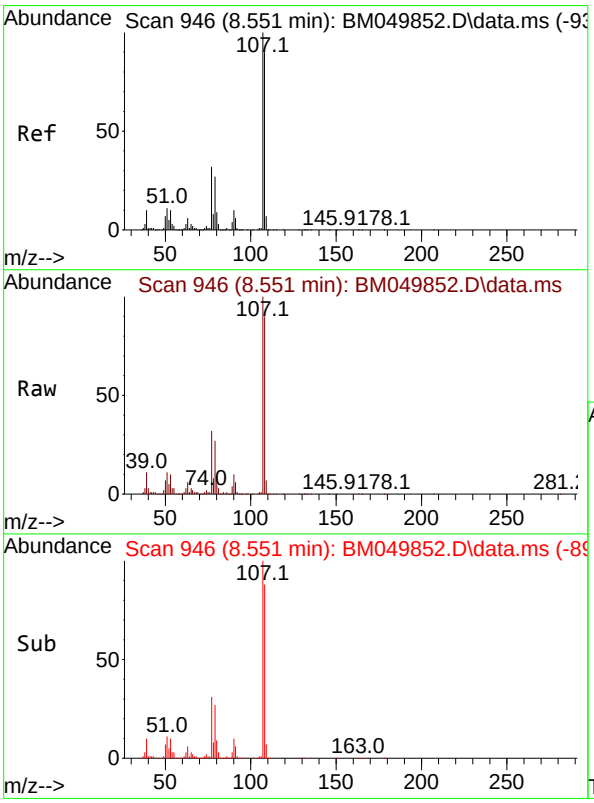
#19
n-Nitroso-di-n-propylamine
Concen: 41.211 ng
RT: 8.586 min Scan# 9
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 505613

Ion	Ratio	Lower	Upper
70	100		
42	50.2	40.2	60.2
101	9.9	7.9	11.9
130	22.1	17.7	26.5

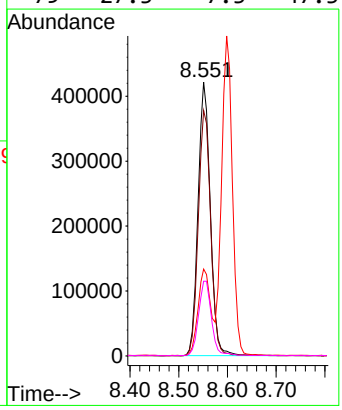


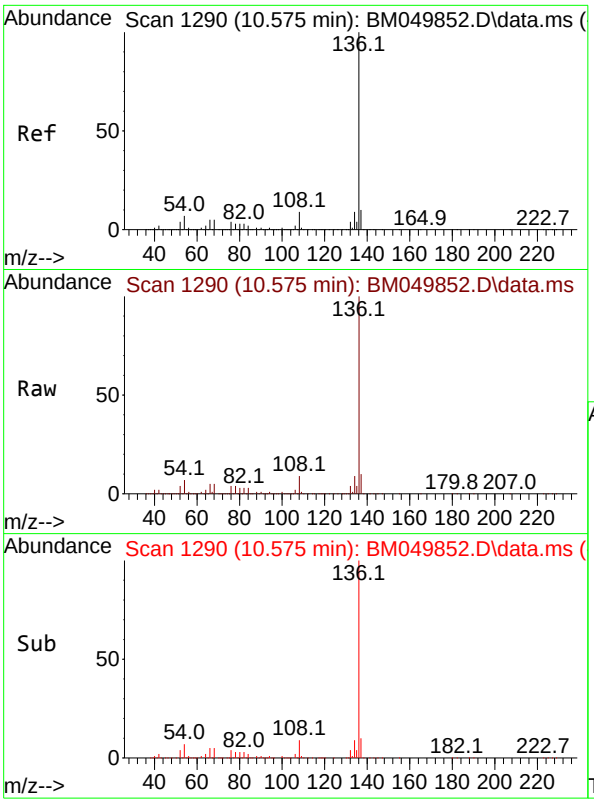


#20
3+4-Methylphenols
Concen: 40.745 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:107 Resp: 739987

Ion	Ratio	Lower	Upper
107	100		
108	89.6	69.6	109.6
77	31.7	11.7	51.7
79	27.3	7.3	47.3



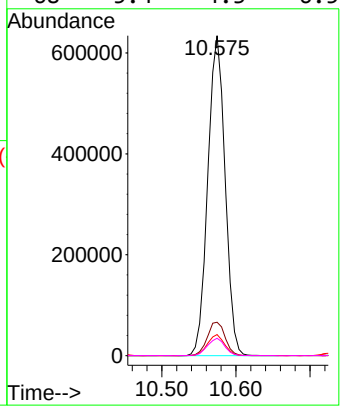


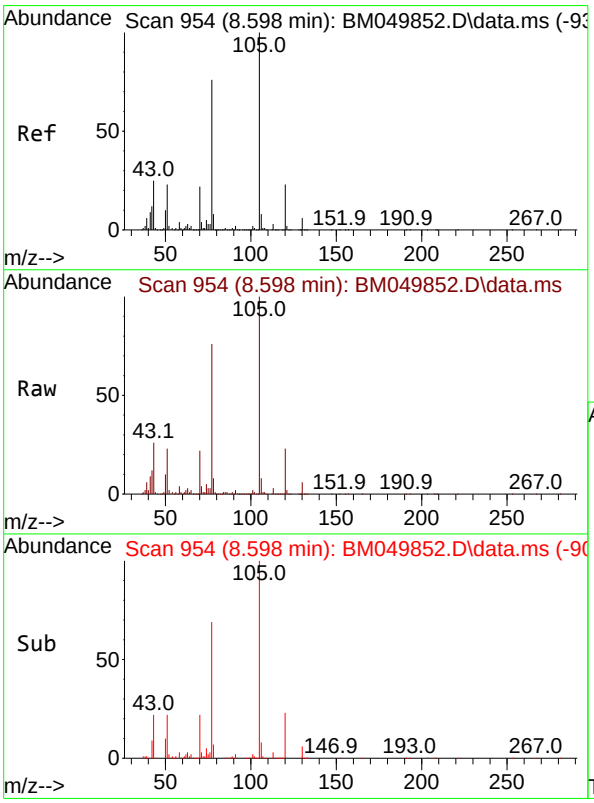
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1026791

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.4	12.6
54	6.6	5.3	7.9
68	5.4	4.3	6.5

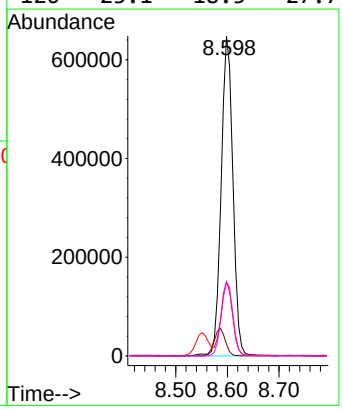


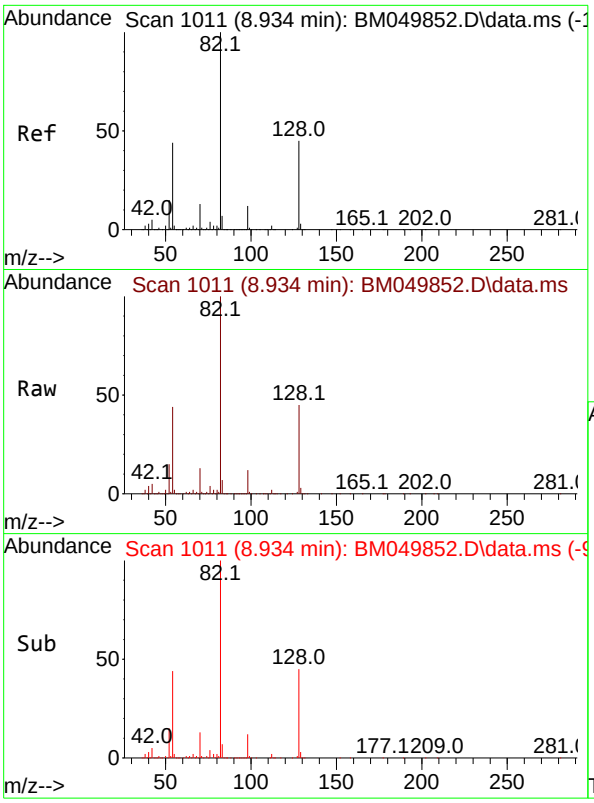


#22
Acetophenone
Concen: 40.944 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:105 Resp: 1021725

Ion	Ratio	Lower	Upper
105	100		
71	3.7	3.0	4.4
51	23.2	18.6	27.8
120	23.1	18.5	27.7



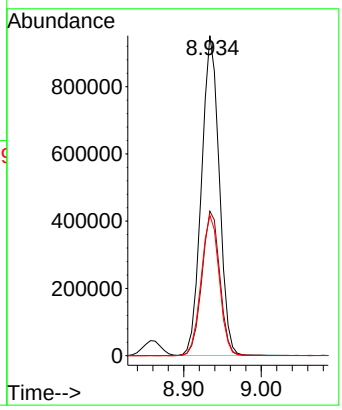


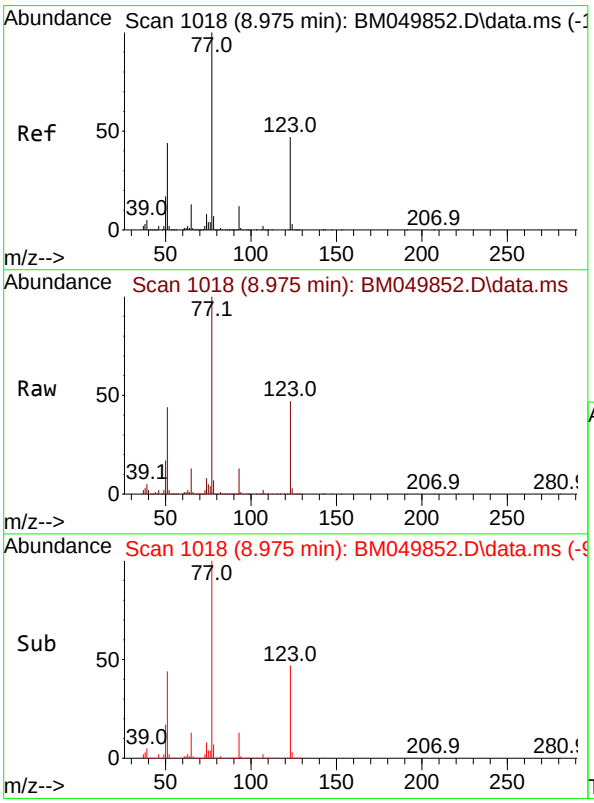
#23
Nitrobenzene-d5
Concen: 81.893 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1510046

Ion	Ratio	Lower	Upper
82	100		
128	45.2	36.2	54.2
54	43.8	35.0	52.6

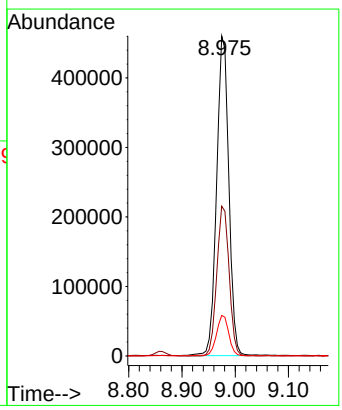


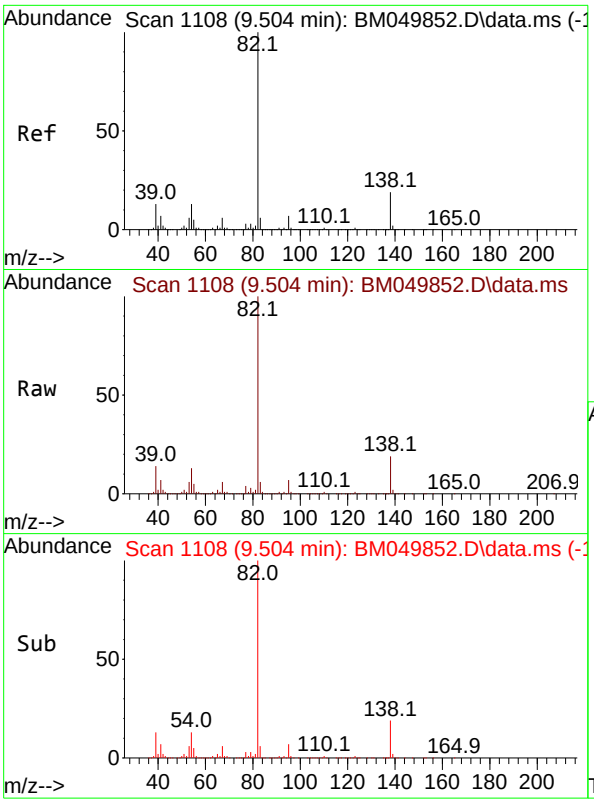


#24
Nitrobenzene
Concen: 41.211 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 77 Resp: 731712

Ion	Ratio	Lower	Upper
77	100		
123	46.8	37.4	56.2
65	12.6	10.1	15.1



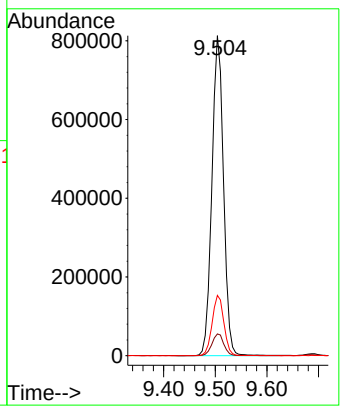


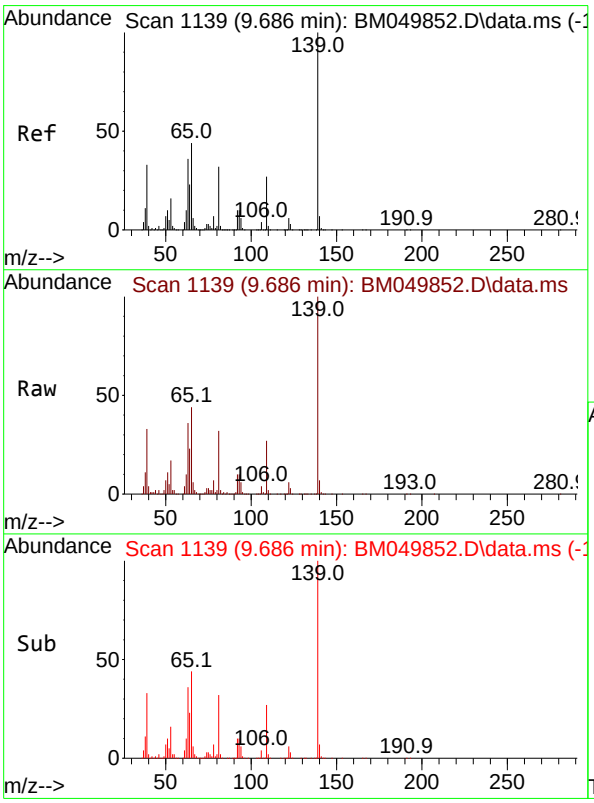
#25
Isophorone
Concen: 40.940 ng
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1264620

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	18.8	15.0	22.6

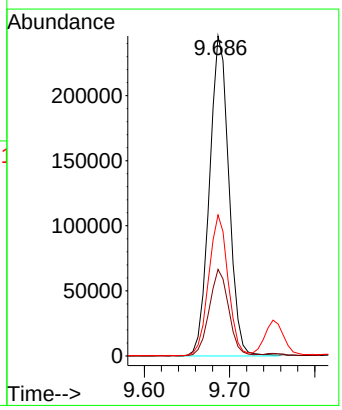


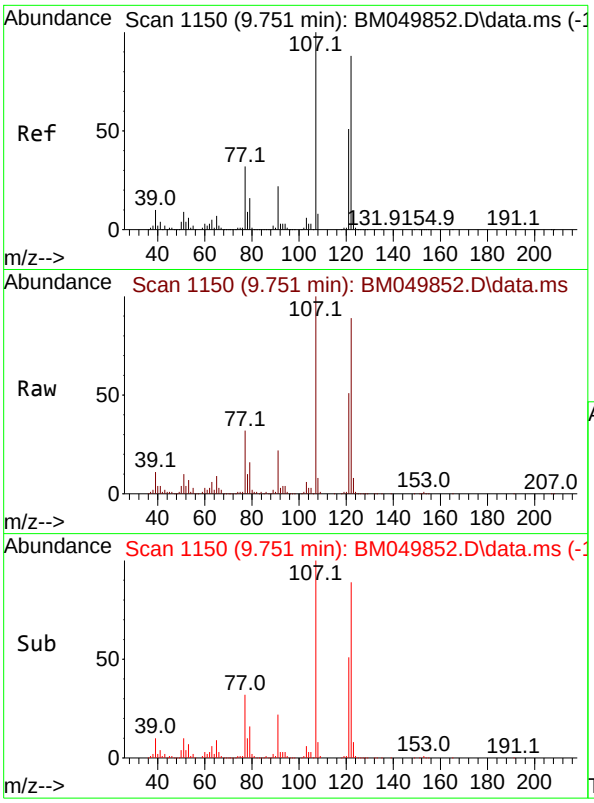


#26
2-Nitrophenol
Concen: 41.338 ng
RT: 9.686 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:139 Resp: 389011

Ion	Ratio	Lower	Upper
139	100		
109	27.1	21.7	32.5
65	44.0	35.2	52.8



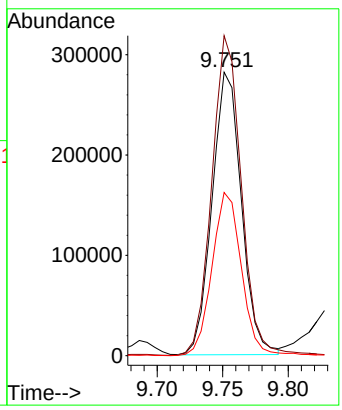


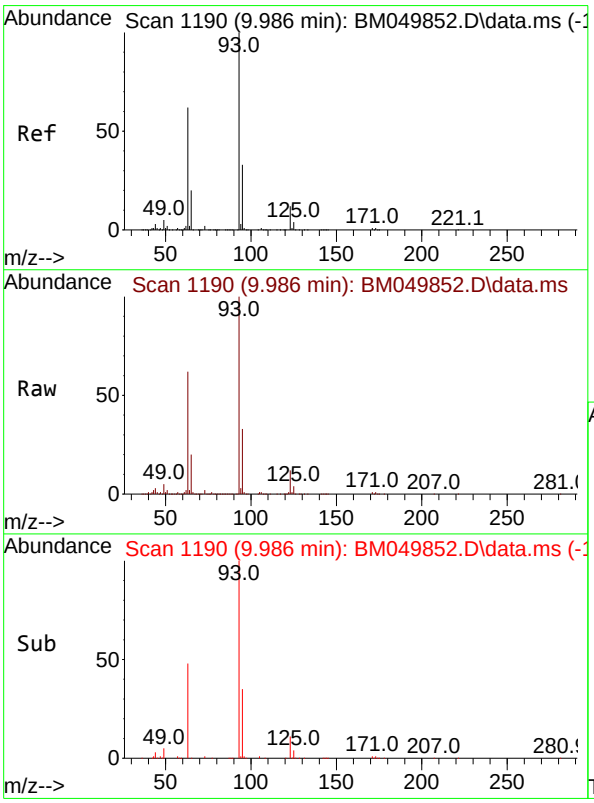
#27
2,4-Dimethylphenol
Concen: 41.102 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 438345

Ion	Ratio	Lower	Upper
122	100		
107	112.9	90.3	135.5
121	57.6	46.1	69.1

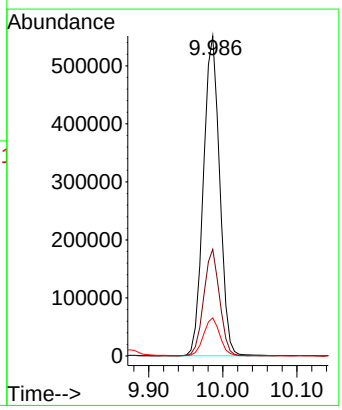


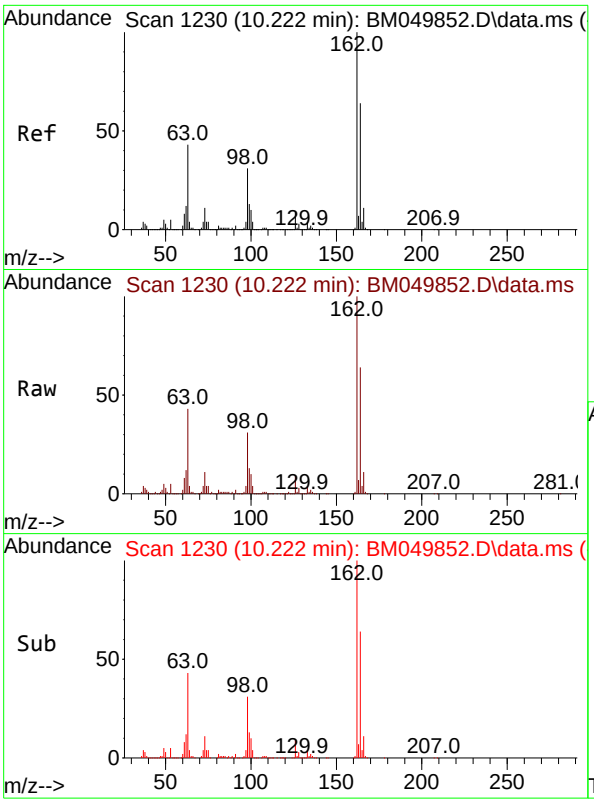


#28
bis(2-Chloroethoxy)methane
Concen: 40.740 ng
RT: 9.986 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 93 Resp: 842494

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.6	40.0
123	11.9	9.5	14.3



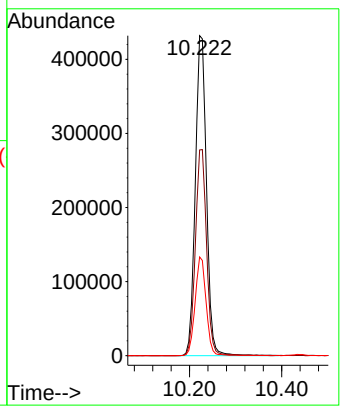


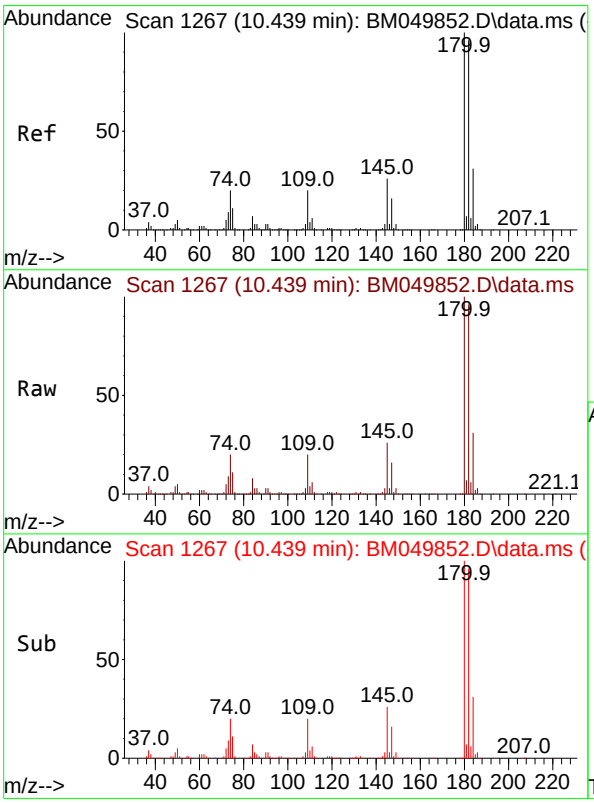
#29
2,4-Dichlorophenol
Concen: 40.918 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 725384

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.3	84.3
98	30.9	10.9	50.9

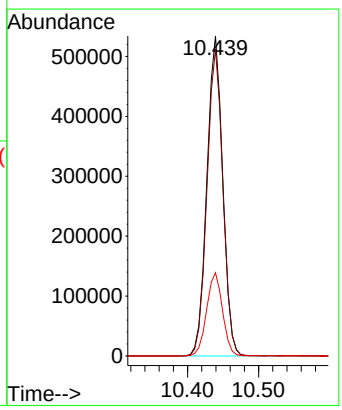


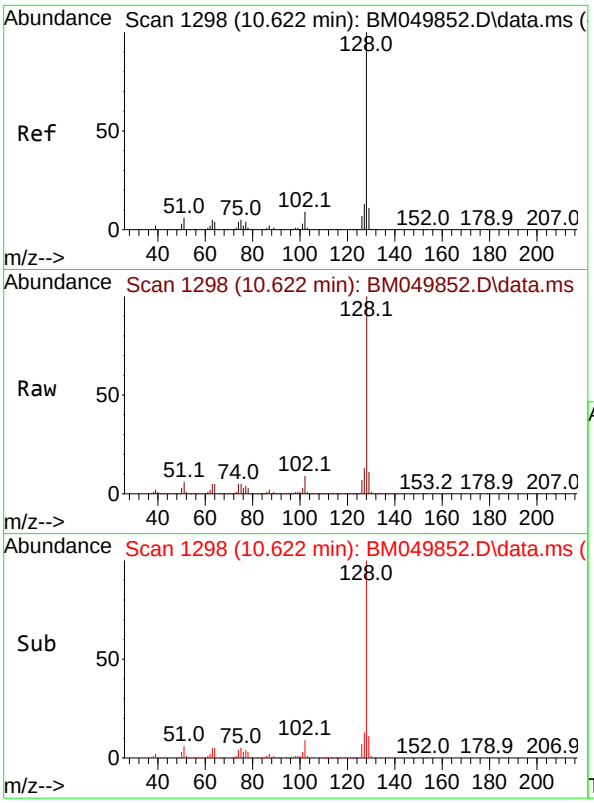


#30
1,2,4-Trichlorobenzene
Concen: 40.442 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:180 Resp: 829411

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
145	26.0	20.8	31.2



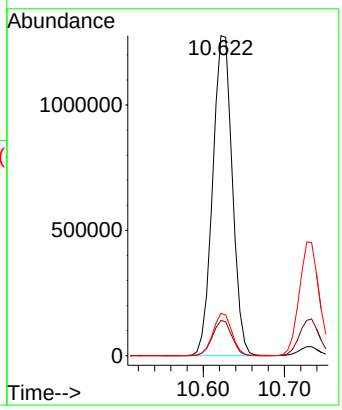


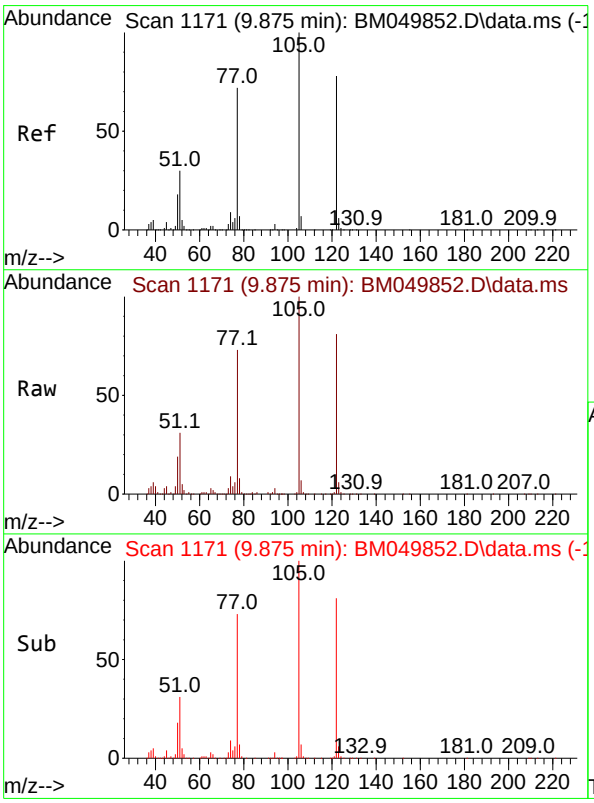
#31
Naphthalene
Concen: 40.550 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 2139433

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.2	10.6	15.8

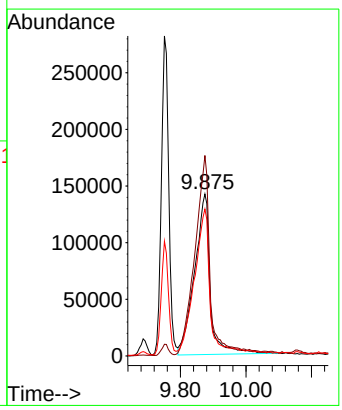


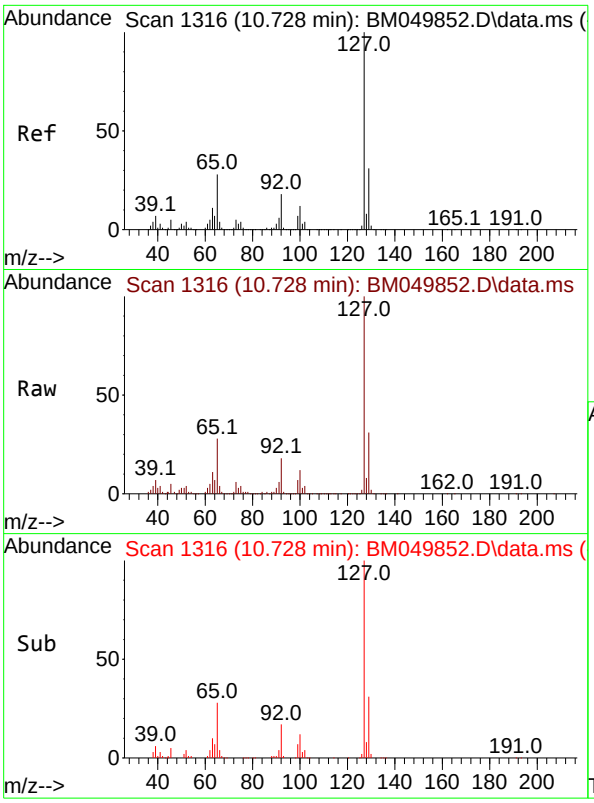


#32
Benzoic acid
Concen: 37.918 ng
RT: 9.875 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:122 Resp: 471552

Ion	Ratio	Lower	Upper
122	100		
105	123.8	103.8	143.8
77	90.7	70.7	110.7



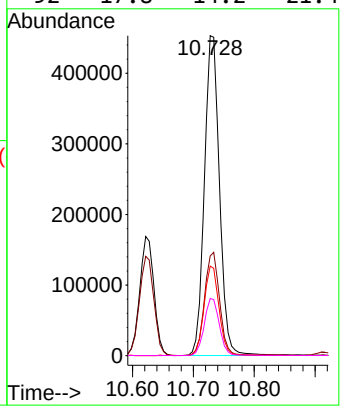


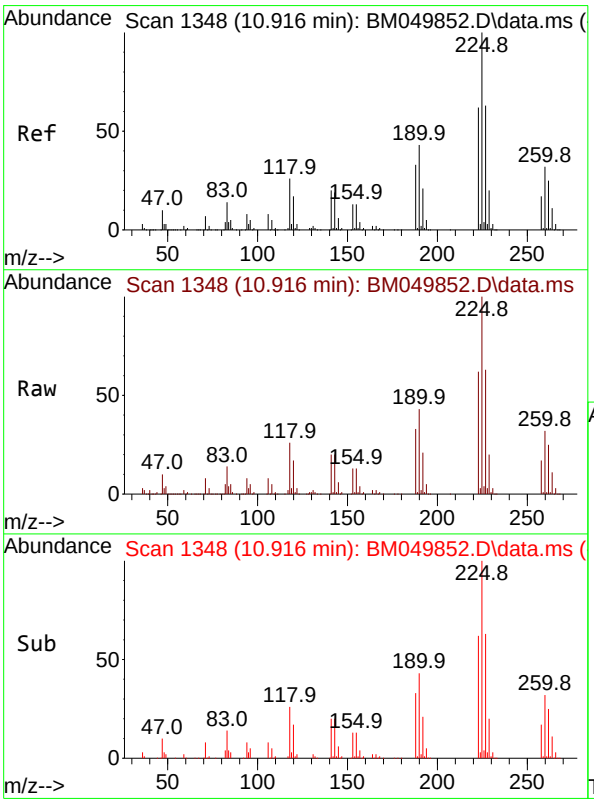
#33
4-Chloroaniline
Concen: 41.899 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 780602

Ion	Ratio	Lower	Upper
127	100		
129	31.1	24.9	37.3
65	28.0	22.4	33.6
92	17.8	14.2	21.4

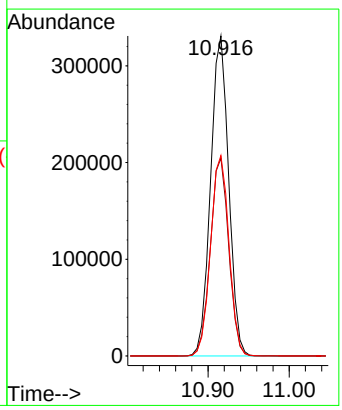


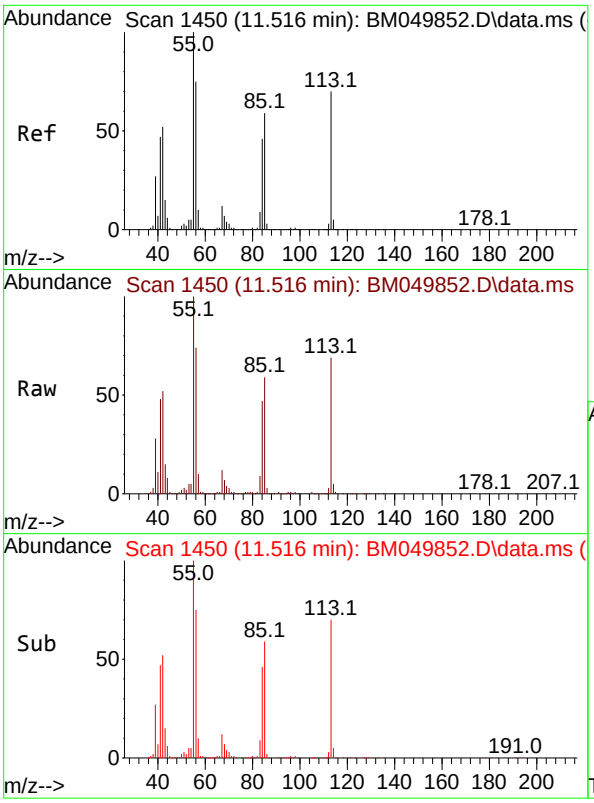


#34
Hexachlorobutadiene
Concen: 40.329 ng
RT: 10.916 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:225 Resp: 511599

Ion	Ratio	Lower	Upper
225	100		
223	61.8	49.4	74.2
227	62.6	50.1	75.1



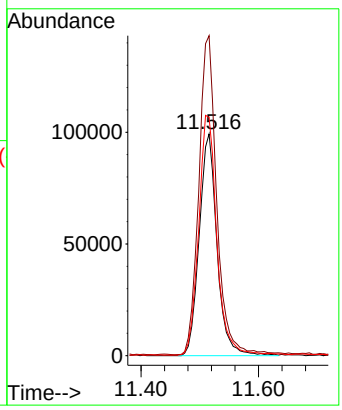


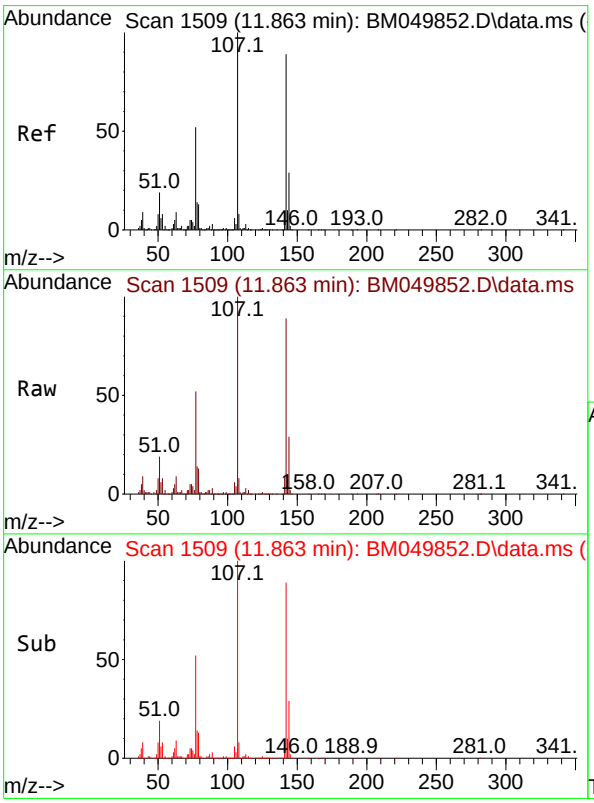
#35
Caprolactam
Concen: 41.071 ng
RT: 11.516 min Scan# 14
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 208829

Ion	Ratio	Lower	Upper
113	100		
55	144.3	124.3	164.3
56	107.5	87.5	127.5

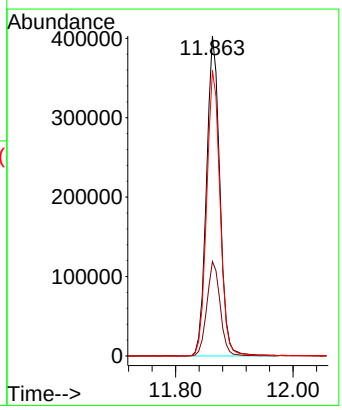


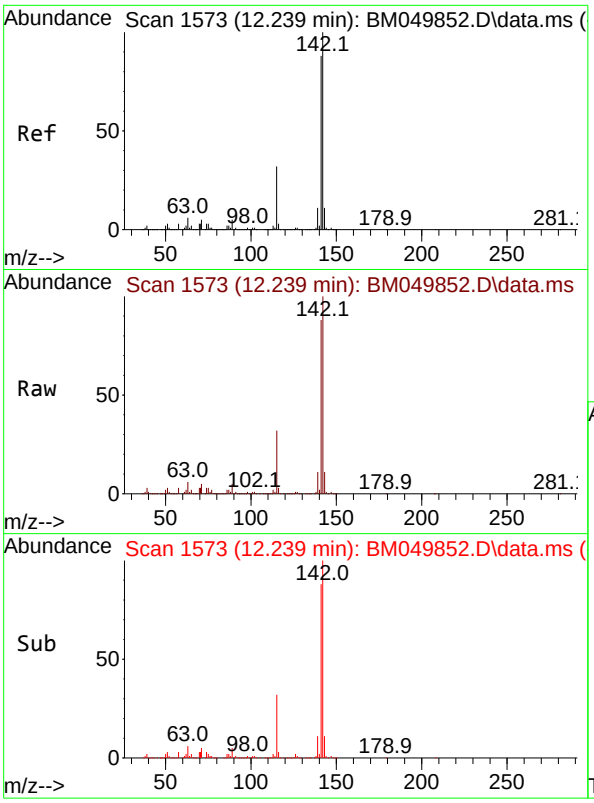


#36
4-Chloro-3-methylphenol
Concen: 40.893 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:107 Resp: 635013

Ion	Ratio	Lower	Upper
107	100		
144	29.5	23.6	35.4
142	89.2	71.4	107.0



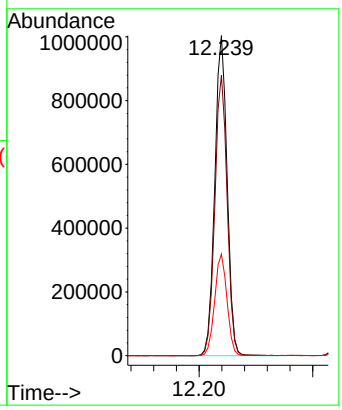


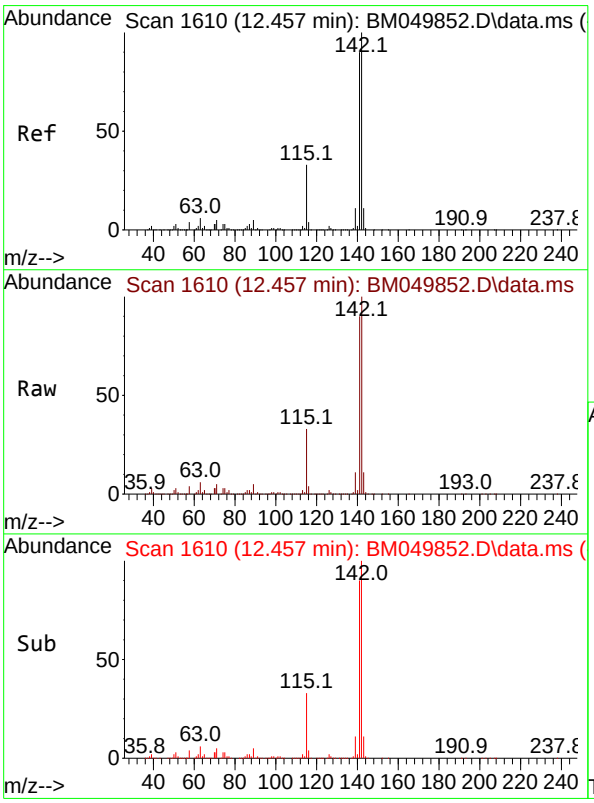
#37
2-Methylnaphthalene
Concen: 40.533 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 1506744

Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.2	105.2
115	31.8	25.4	38.2

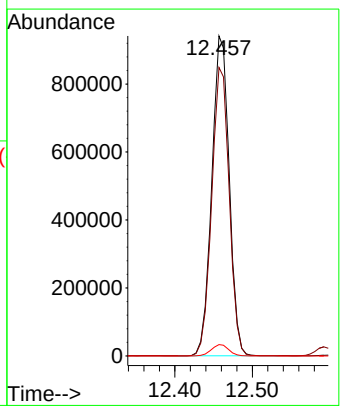


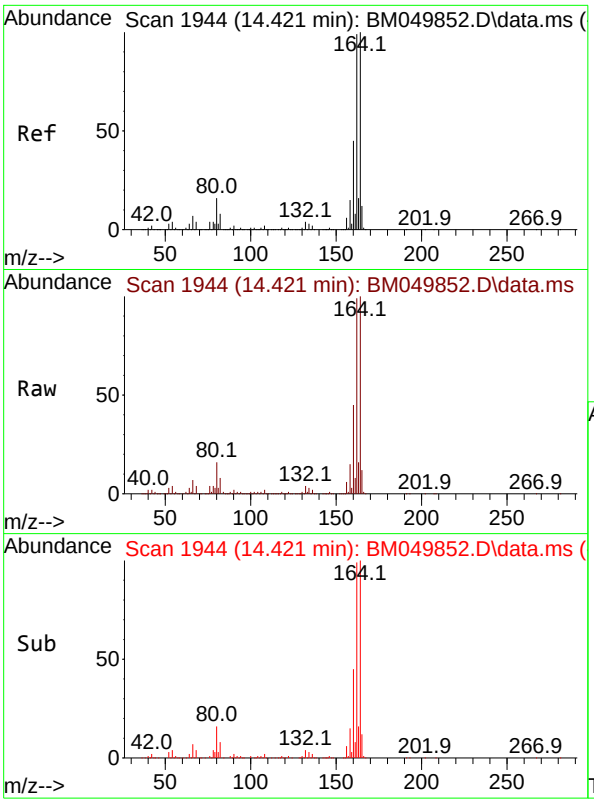


#38
1-Methylnaphthalene
Concen: 40.448 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:142 Resp: 1464829

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.2	108.2
116	3.6	2.9	4.3



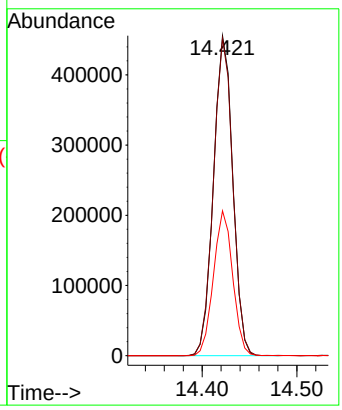


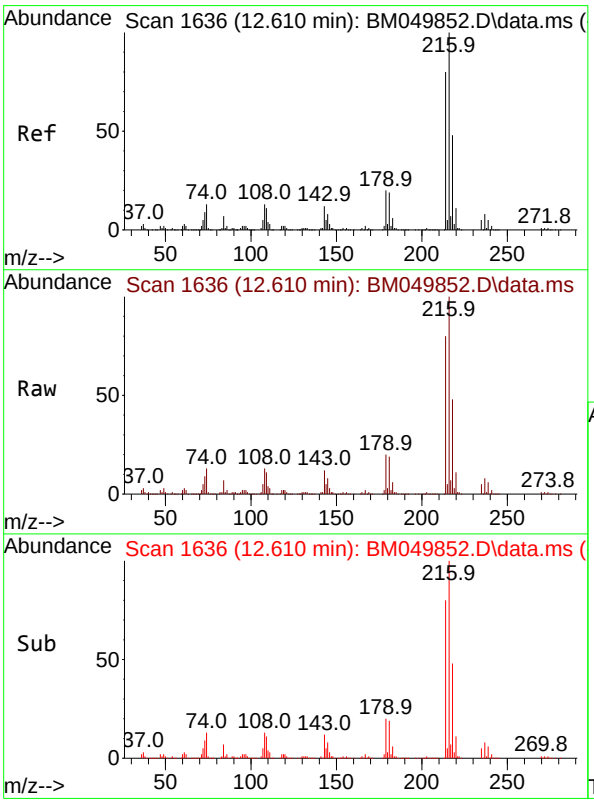
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 644538

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.4	119.0
160	45.2	36.2	54.2

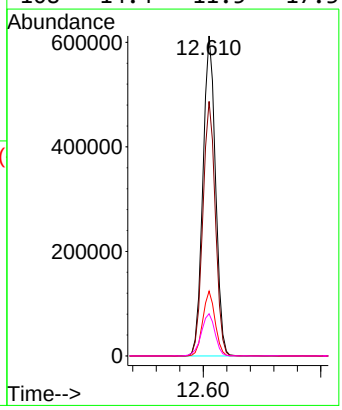


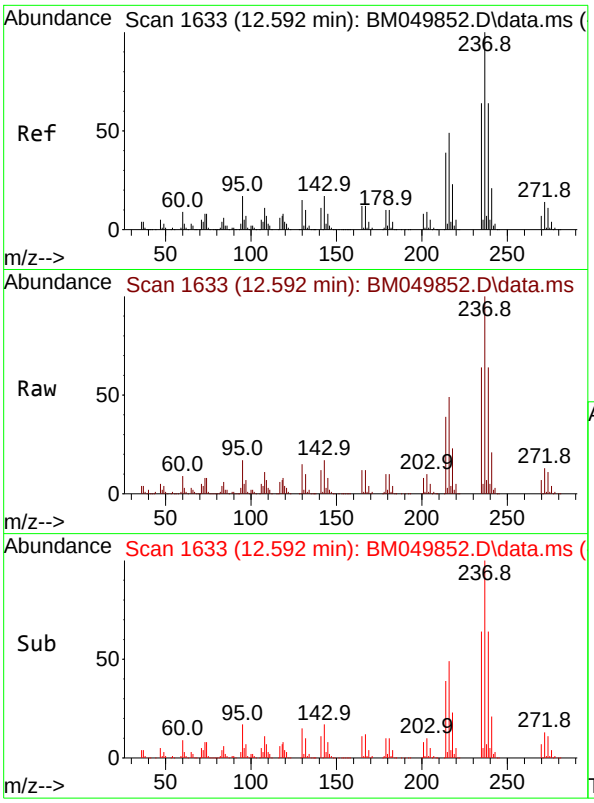


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.362 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:216 Resp: 910125

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.2	94.8
179	19.7	15.8	23.6
108	14.4	11.5	17.3



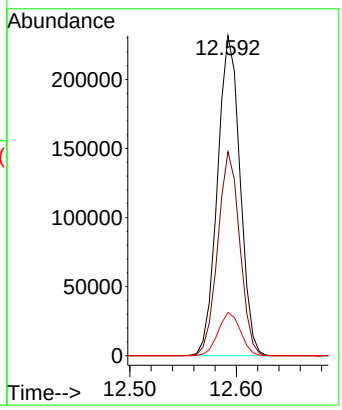


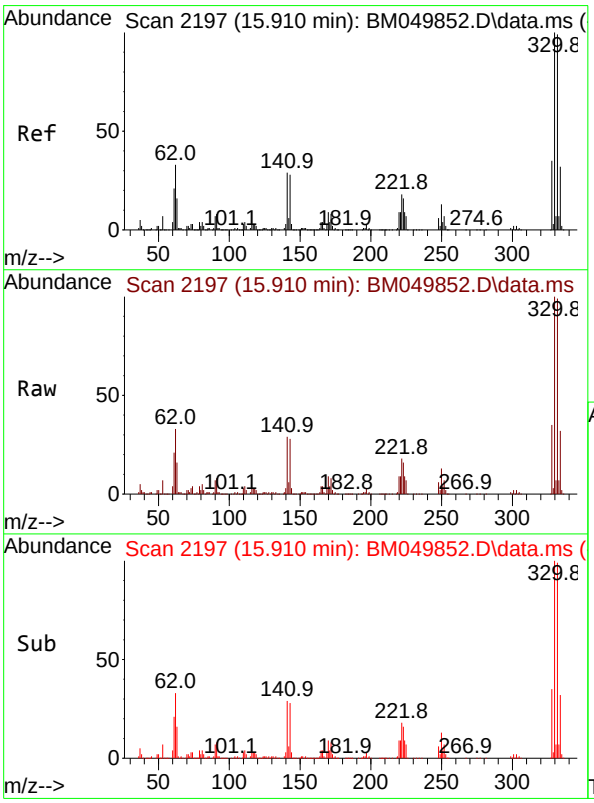
#41
Hexachlorocyclopentadiene
Concen: 43.036 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 340037

Ion	Ratio	Lower	Upper
237	100		
235	63.7	43.7	83.7
272	13.5	0.0	33.5

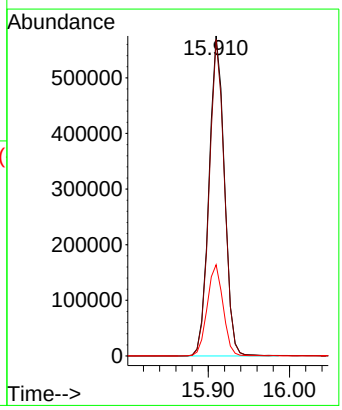


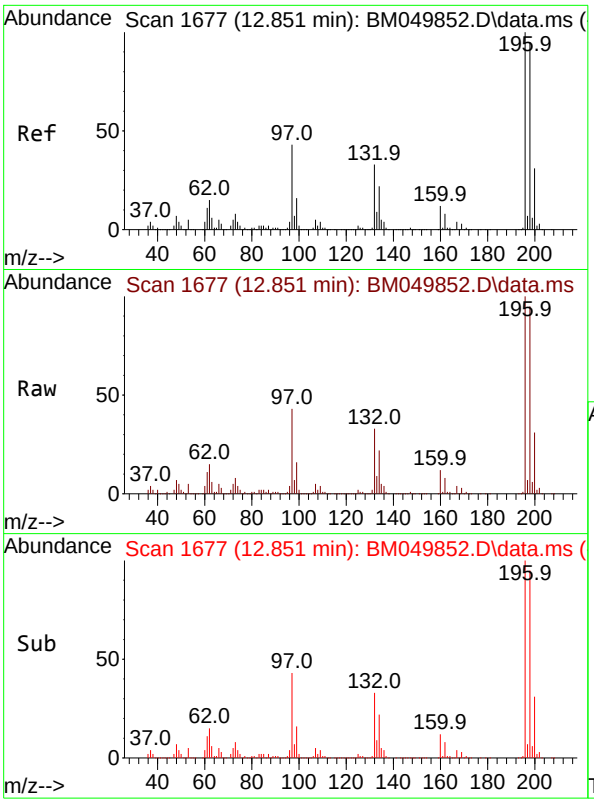


#42
2,4,6-Tribromophenol
Concen: 80.755 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:330 Resp: 757084

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	29.4	23.5	35.3



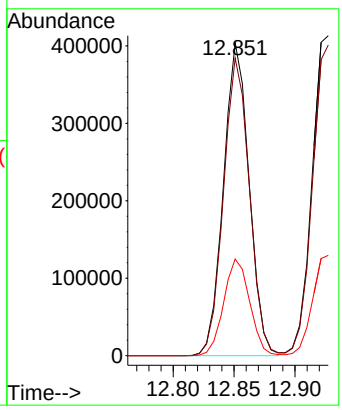


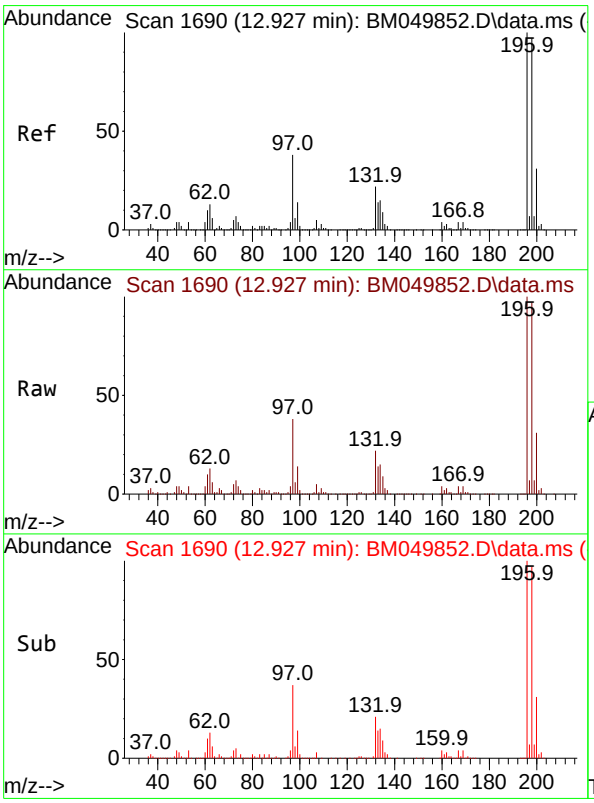
#43
2,4,6-Trichlorophenol
Concen: 41.269 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 592155

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.1	114.1
200	30.9	24.7	37.1

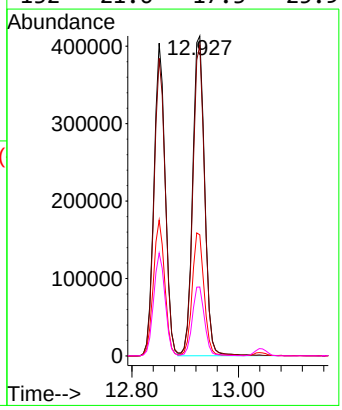


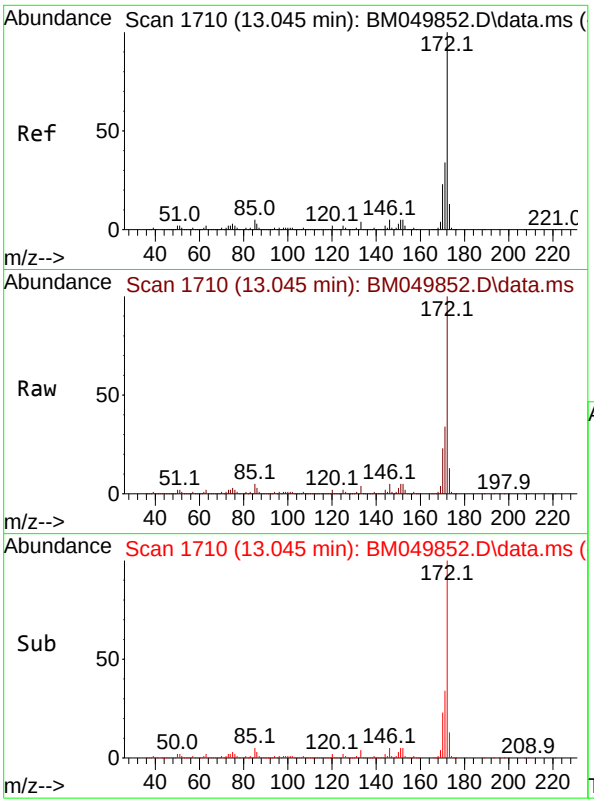


#44
2,4,5-Trichlorophenol
Concen: 41.373 ng
RT: 12.927 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:196 Resp: 645125

Ion	Ratio	Lower	Upper
196	100		
198	97.1	77.7	116.5
97	37.9	30.3	45.5
132	21.6	17.3	25.9



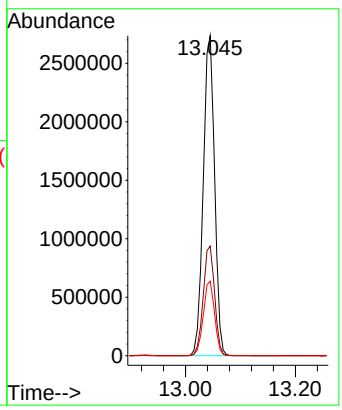


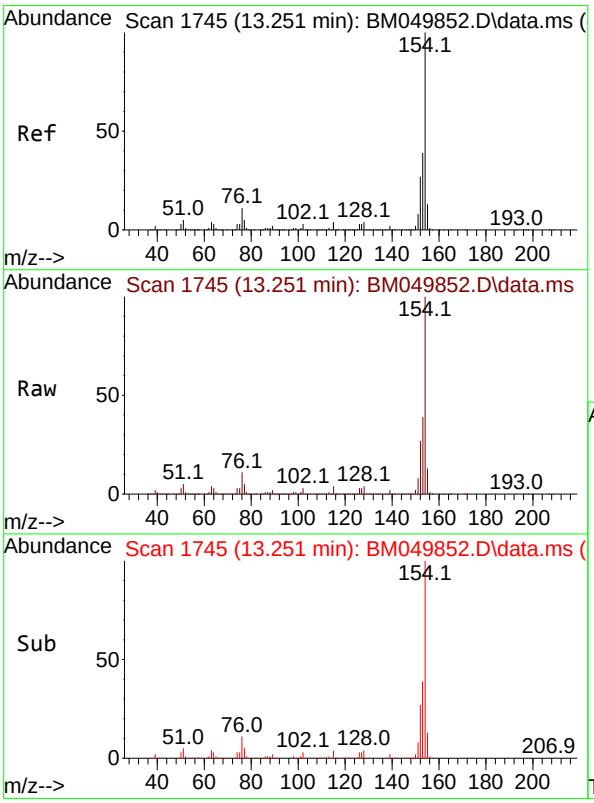
#45
2-Fluorobiphenyl
Concen: 82.162 ng
RT: 13.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 3905323

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.4	41.2
170	23.3	18.6	28.0

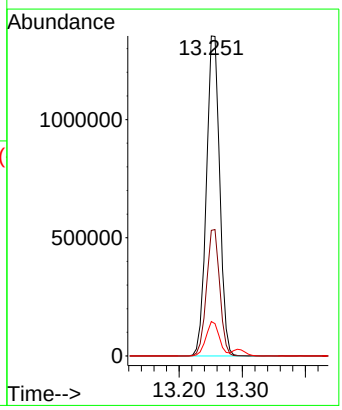


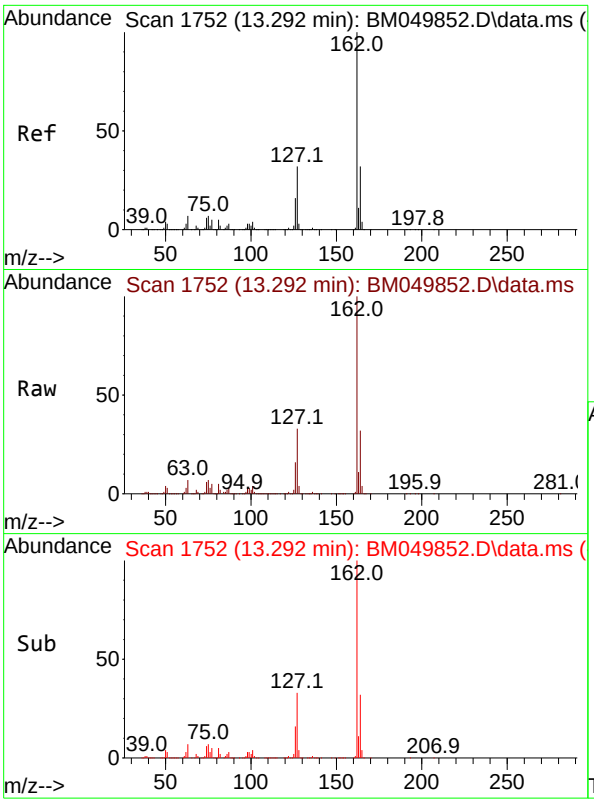


#46
1,1'-Biphenyl
Concen: 41.114 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:154 Resp: 1969872

Ion	Ratio	Lower	Upper
154	100		
153	39.3	19.3	59.3
76	10.7	0.0	30.7



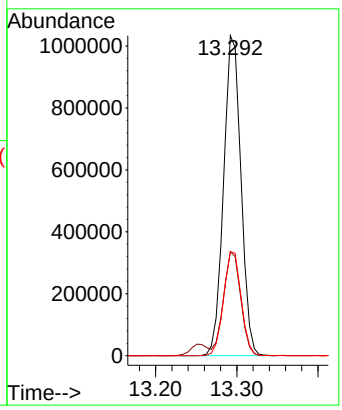


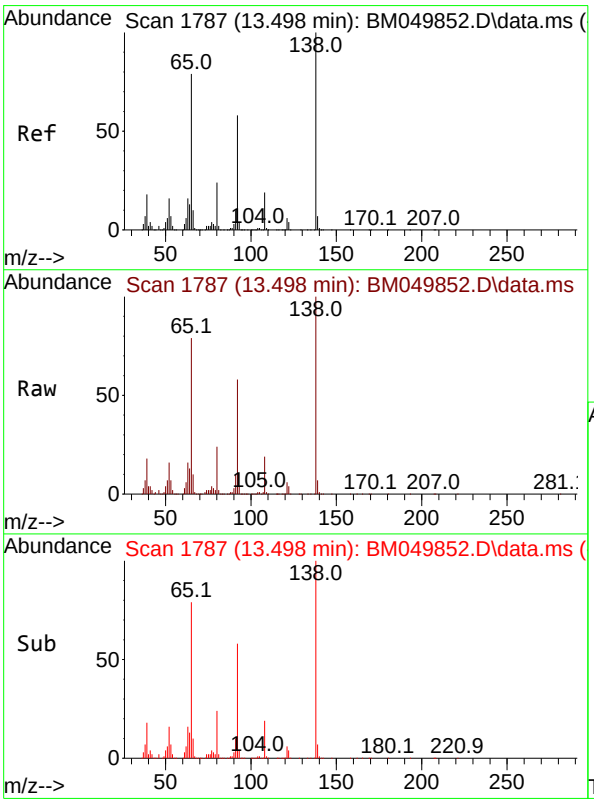
#47
2-Chloronaphthalene
Concen: 40.860 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 1538747

Ion	Ratio	Lower	Upper
162	100		
127	32.5	26.0	39.0
164	32.4	25.9	38.9

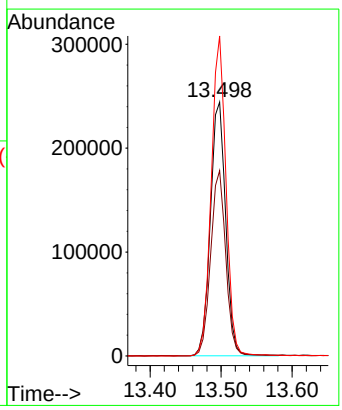


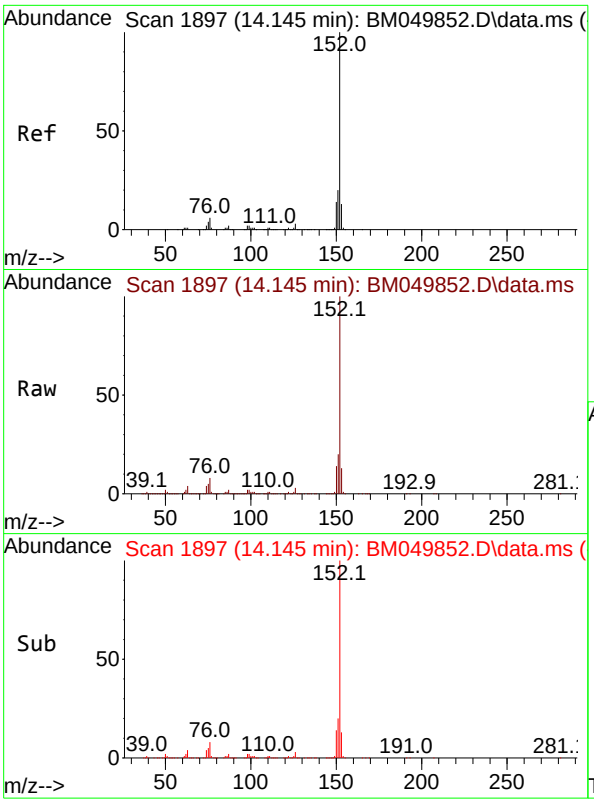


#48
2-Nitroaniline
Concen: 41.941 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion: 65 Resp: 365393

Ion	Ratio	Lower	Upper
65	100		
92	73.0	58.4	87.6
138	126.0	100.8	151.2



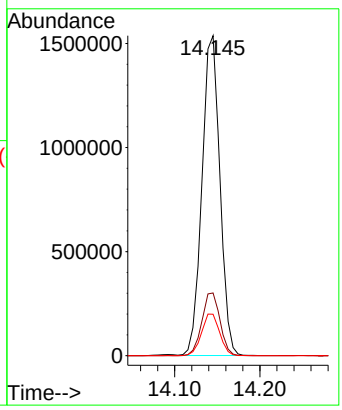


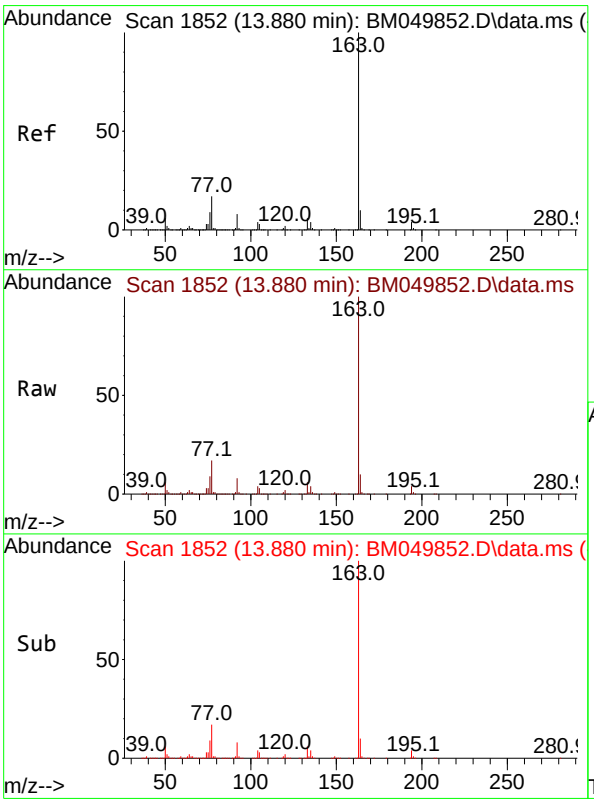
#49
Acenaphthylene
Concen: 40.937 ng
RT: 14.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 2245605

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.0	10.4	15.6

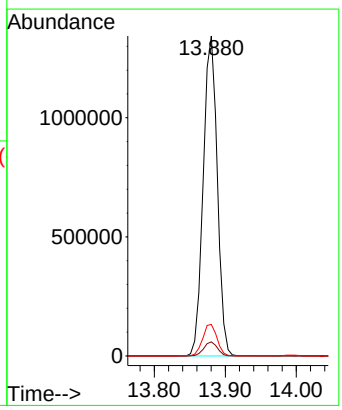


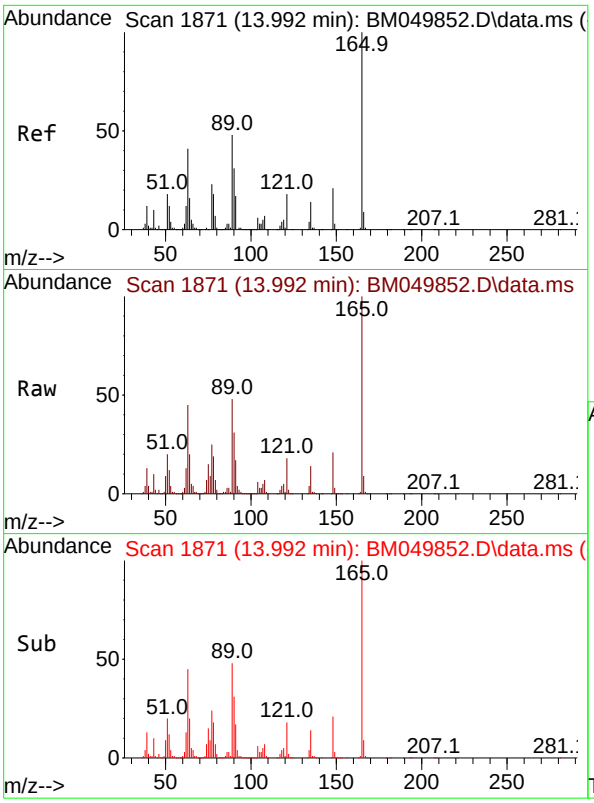


#50
Dimethylphthalate
Concen: 40.771 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:163 Resp: 1853920

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.5	5.3
164	9.9	7.9	11.9



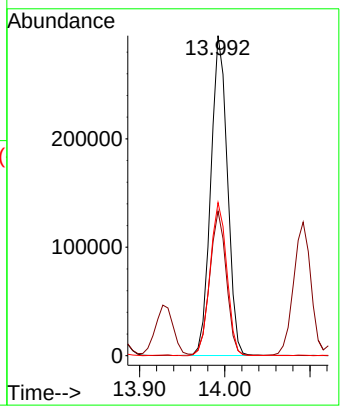


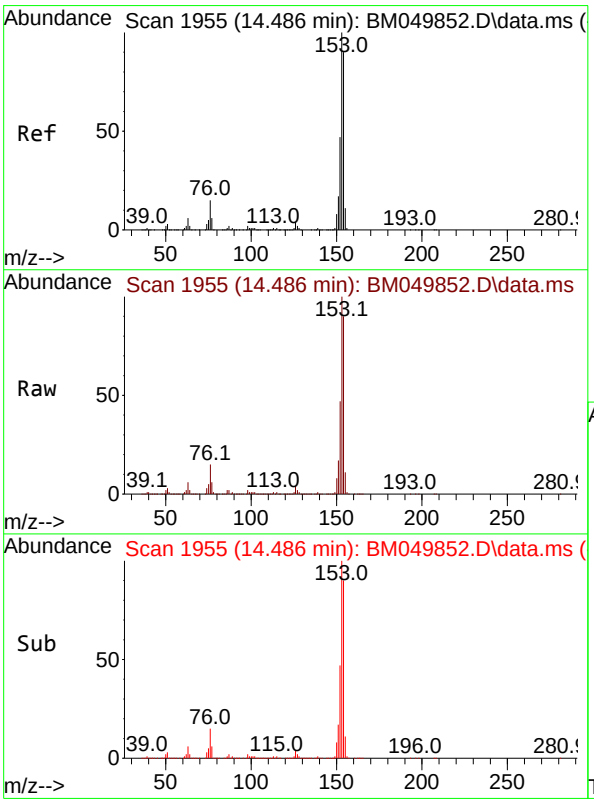
#51
2,6-Dinitrotoluene
Concen: 41.998 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 400110

Ion	Ratio	Lower	Upper
165	100		
63	45.1	36.1	54.1
89	47.9	38.3	57.5

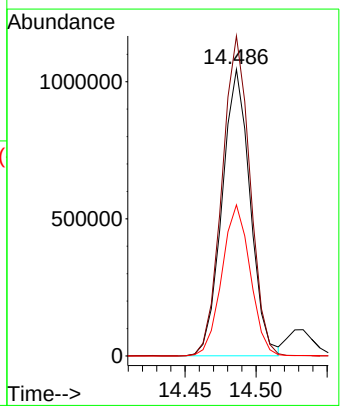


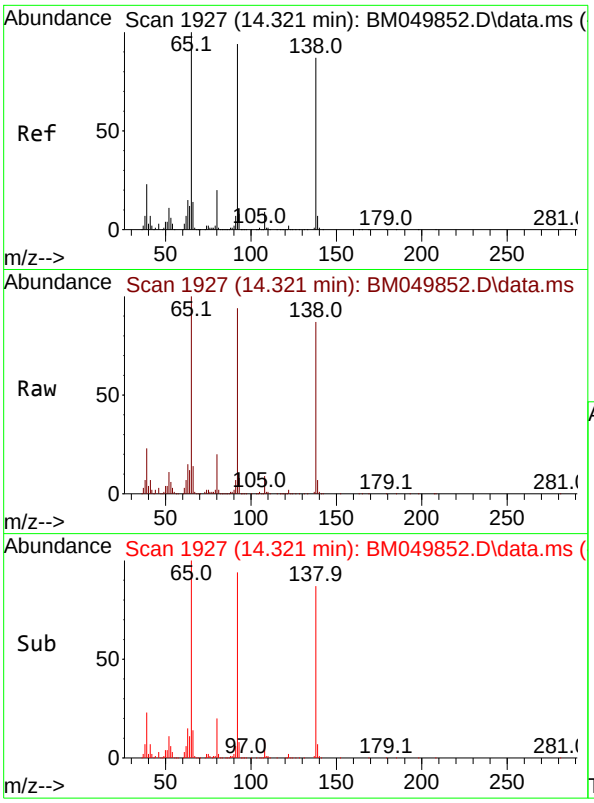


#52
Acenaphthene
Concen: 41.123 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:154 Resp: 1434901

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.3	133.9
152	52.7	42.2	63.2



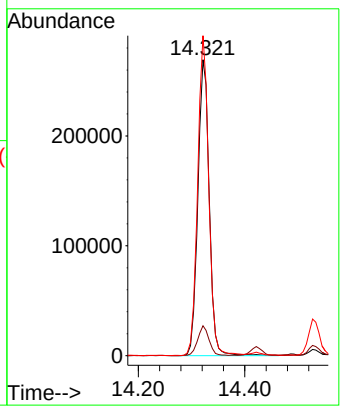


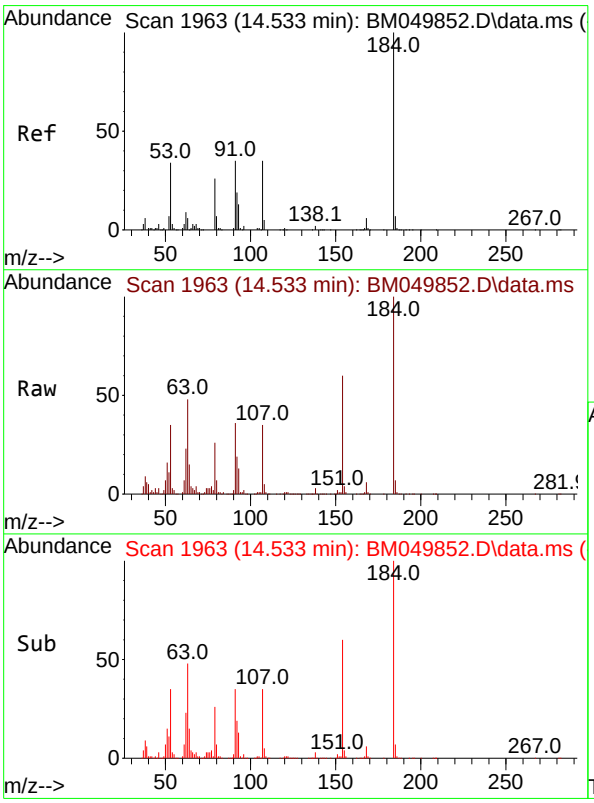
#53
3-Nitroaniline
Concen: 43.352 ng
RT: 14.321 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 399172

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.1	12.1
92	108.1	86.5	129.7

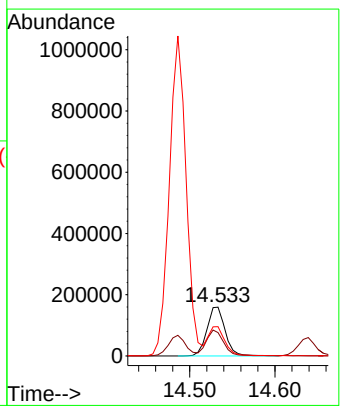


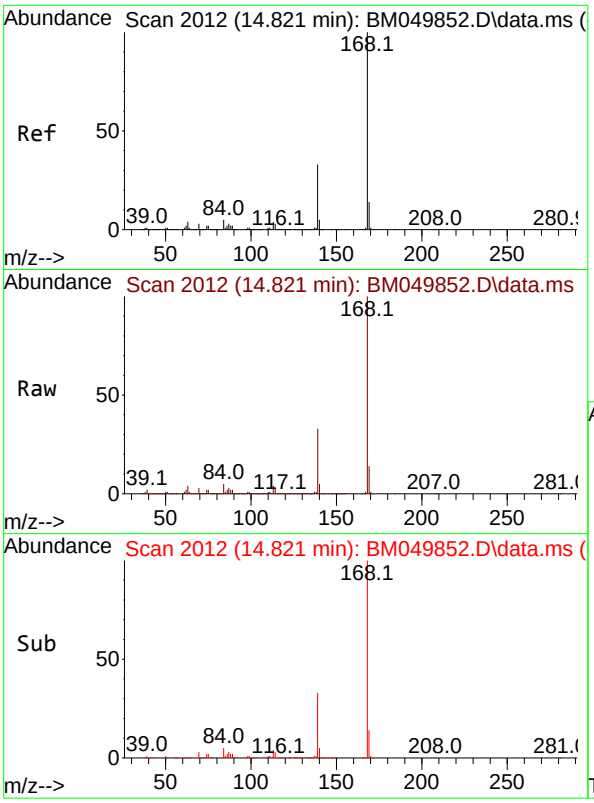


#54
2,4-Dinitrophenol
Concen: 38.463 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:184 Resp: 236910

Ion	Ratio	Lower	Upper
184	100		
63	48.0	38.4	57.6
154	60.1	48.1	72.1



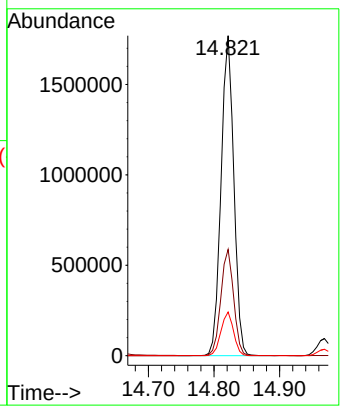


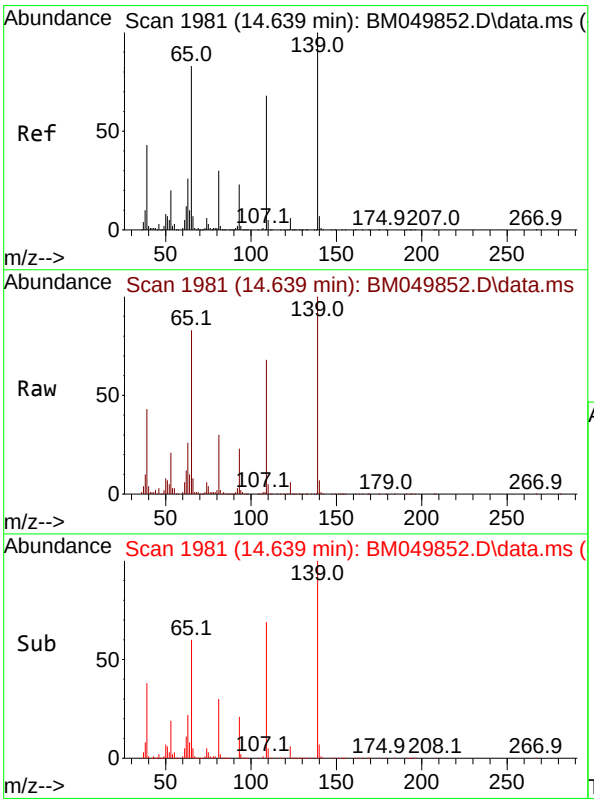
#55
Dibenzofuran
Concen: 40.784 ng
RT: 14.821 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 2378962

Ion	Ratio	Lower	Upper
168	100		
139	33.2	26.6	39.8
169	13.7	11.0	16.4

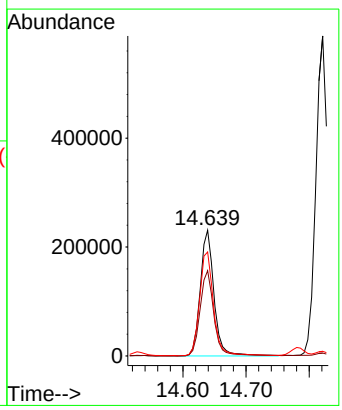


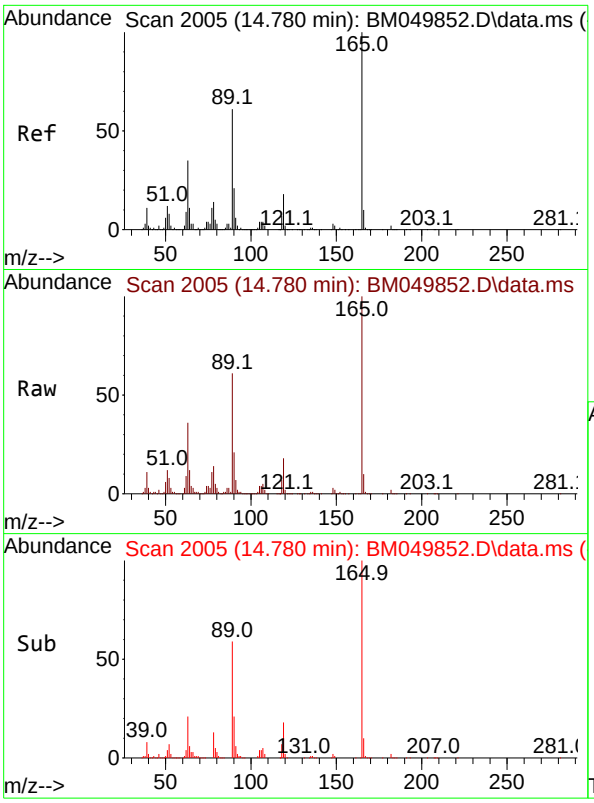


#56
4-Nitrophenol
Concen: 42.490 ng
RT: 14.639 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:139 Resp: 348645

Ion	Ratio	Lower	Upper
139	100		
109	67.9	47.9	87.9
65	82.7	62.7	102.7



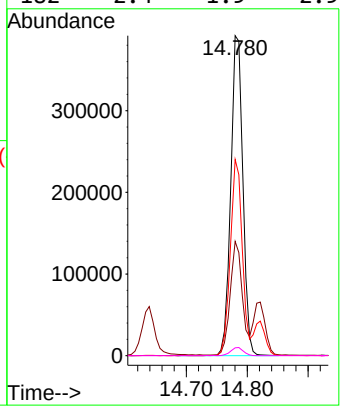


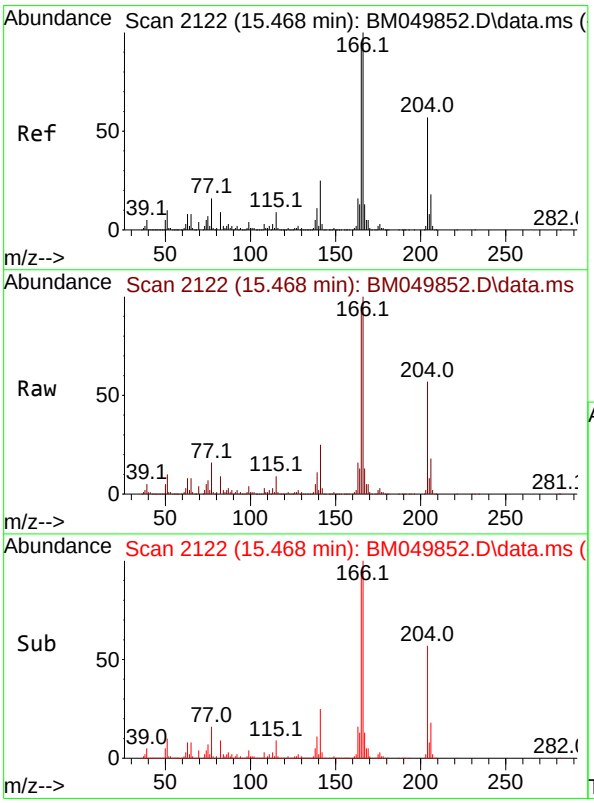
#57
2,4-Dinitrotoluene
Concen: 42.662 ng
RT: 14.780 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 542212

Ion	Ratio	Lower	Upper
165	100		
63	35.7	28.6	42.8
89	61.3	49.0	73.6
182	2.4	1.9	2.9

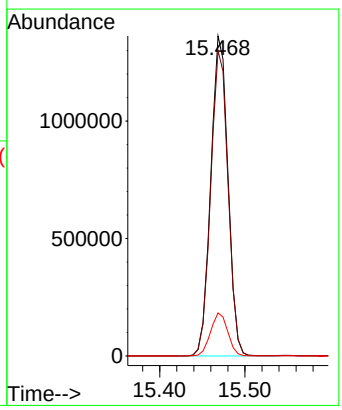


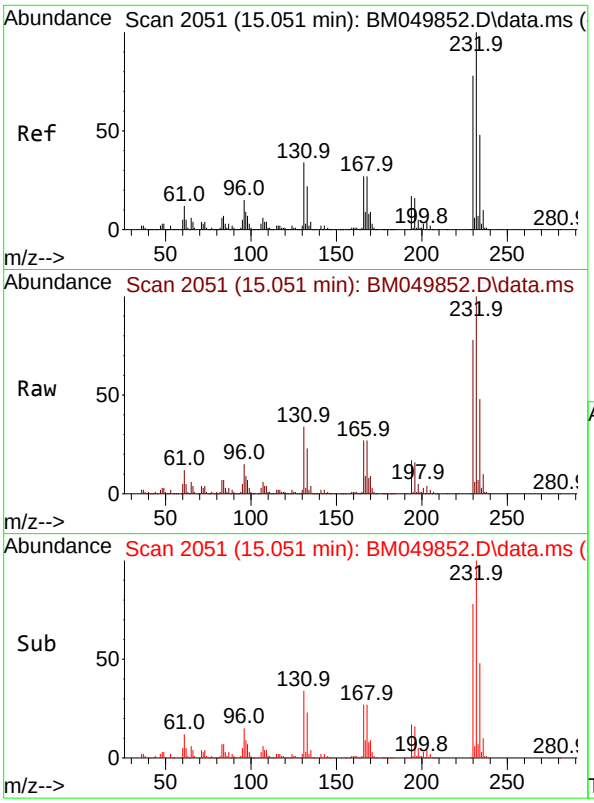


#58
Fluorene
Concen: 41.170 ng
RT: 15.468 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:166 Resp: 1908871

Ion	Ratio	Lower	Upper
166	100		
165	95.4	76.3	114.5
167	13.4	10.7	16.1



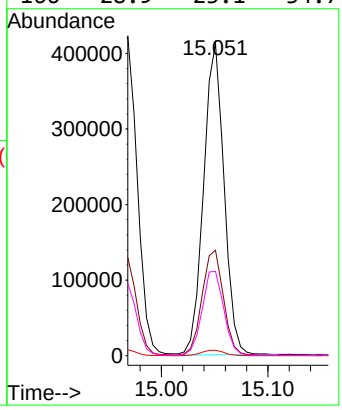


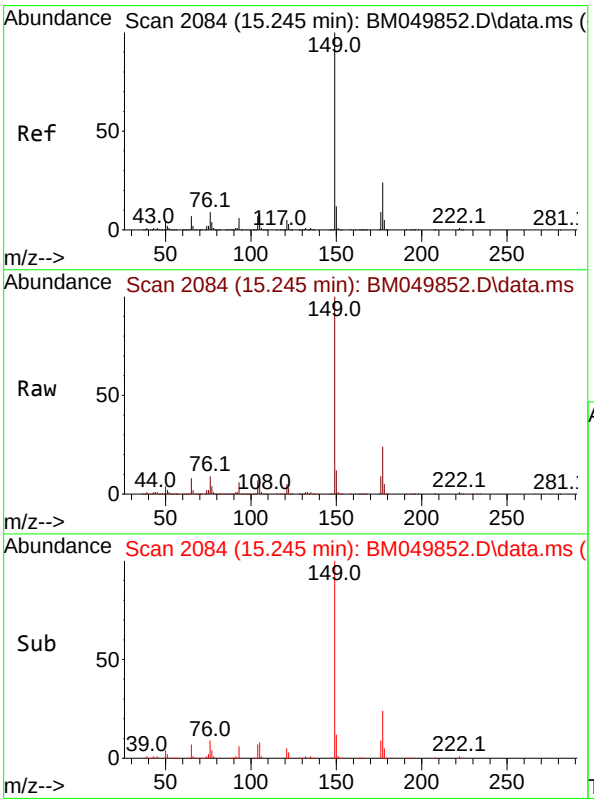
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.287 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 550595

Ion	Ratio	Lower	Upper
232	100		
131	35.5	28.4	42.6
130	2.0	1.6	2.4
166	28.9	23.1	34.7

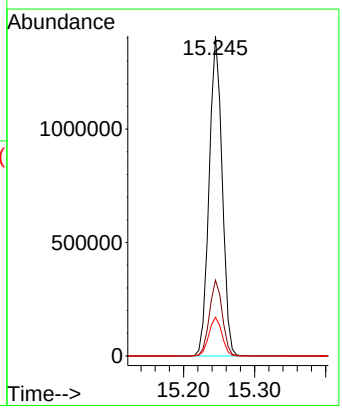


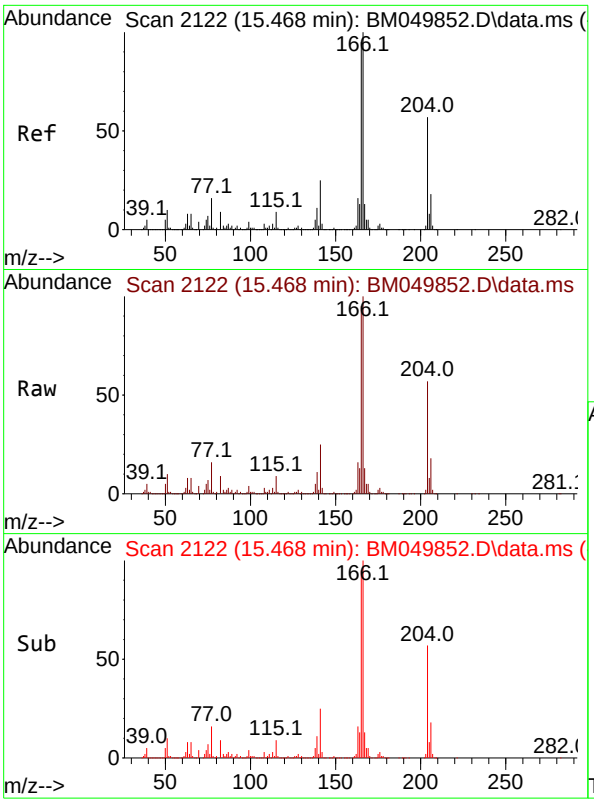


#60
Diethylphthalate
Concen: 41.085 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:149 Resp: 1791575

Ion	Ratio	Lower	Upper
149	100		
177	23.7	19.0	28.4
150	12.1	9.7	14.5



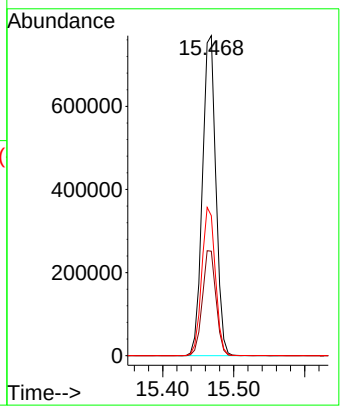


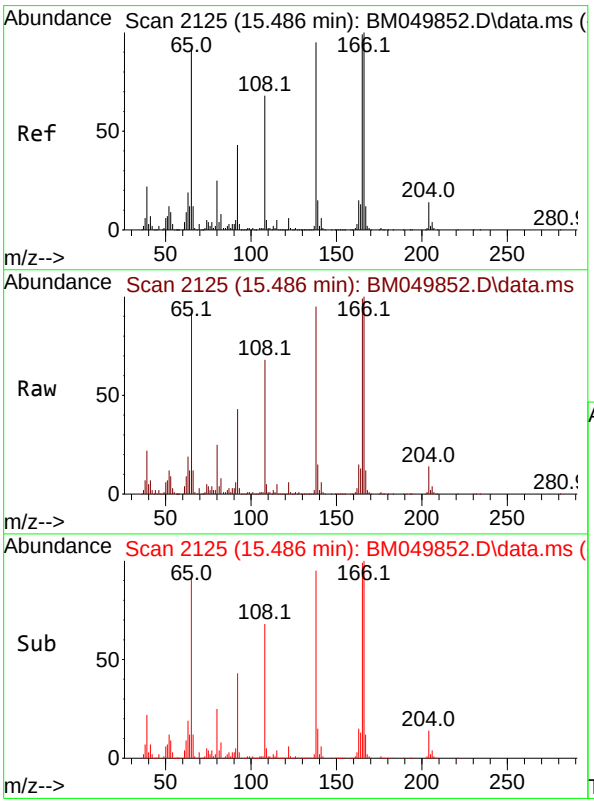
#61
4-Chlorophenyl-phenylether
Concen: 40.907 ng
RT: 15.468 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 1016885

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	43.8	35.0	52.6

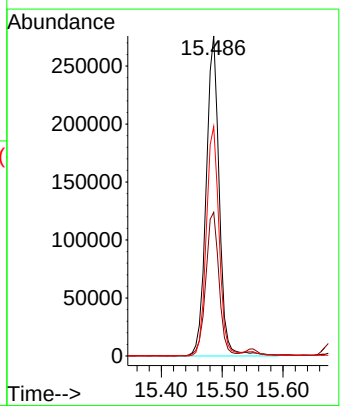


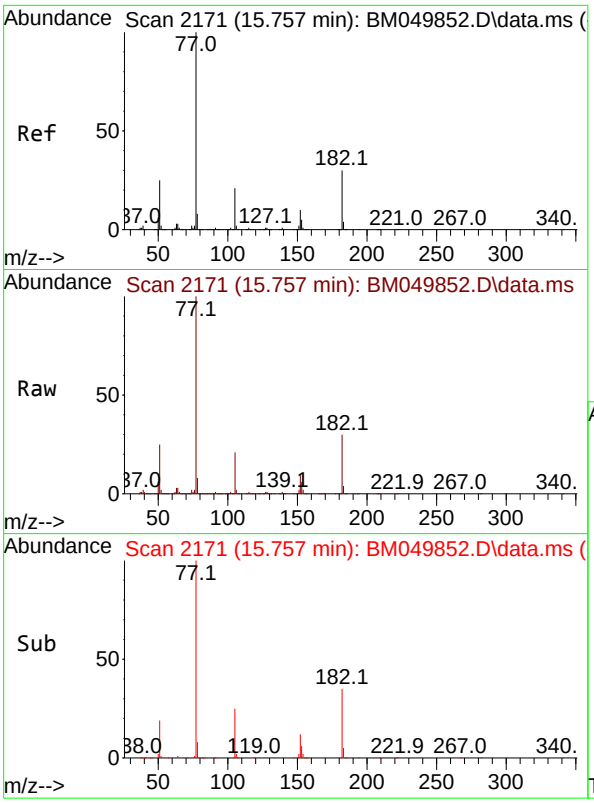


#62
4-Nitroaniline
Concen: 43.263 ng
RT: 15.486 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:138 Resp: 411956

Ion	Ratio	Lower	Upper
138	100		
92	44.9	24.9	64.9
108	71.7	51.7	91.7



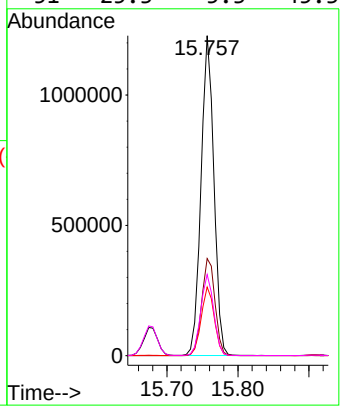


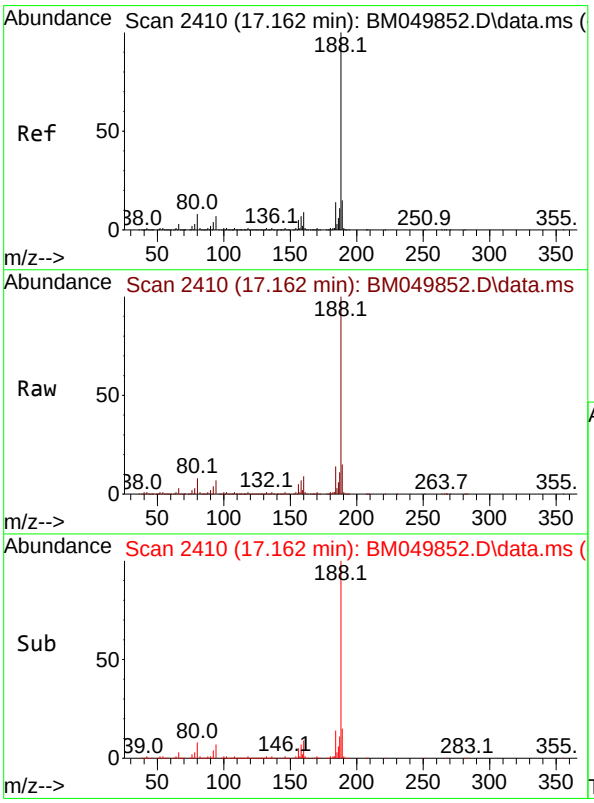
#63
Azobenzene
Concen: 41.517 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1549968

Ion	Ratio	Lower	Upper
77	100		
182	30.4	10.4	50.4
105	21.5	1.5	41.5
51	25.3	5.3	45.3

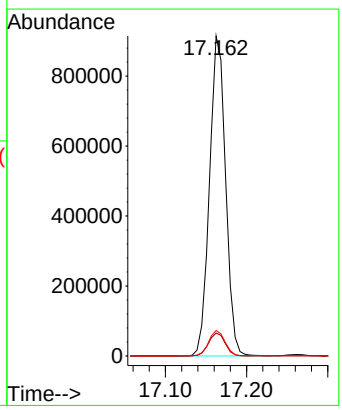


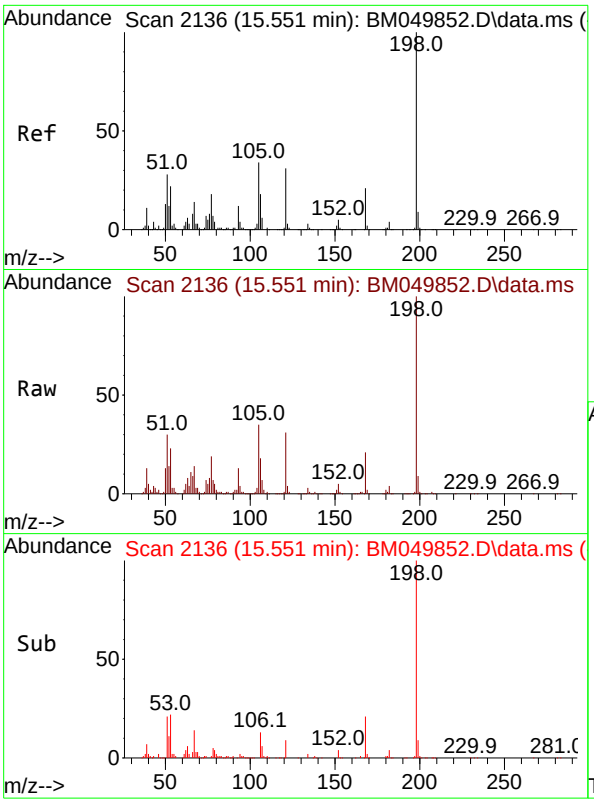


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:188 Resp: 1259832

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.6
80	8.0	6.4	9.6



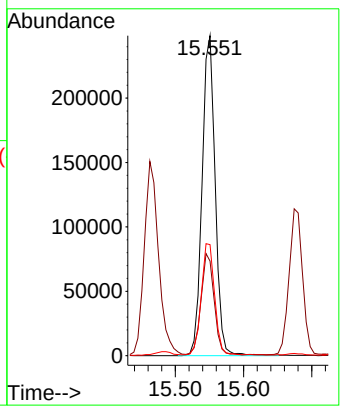


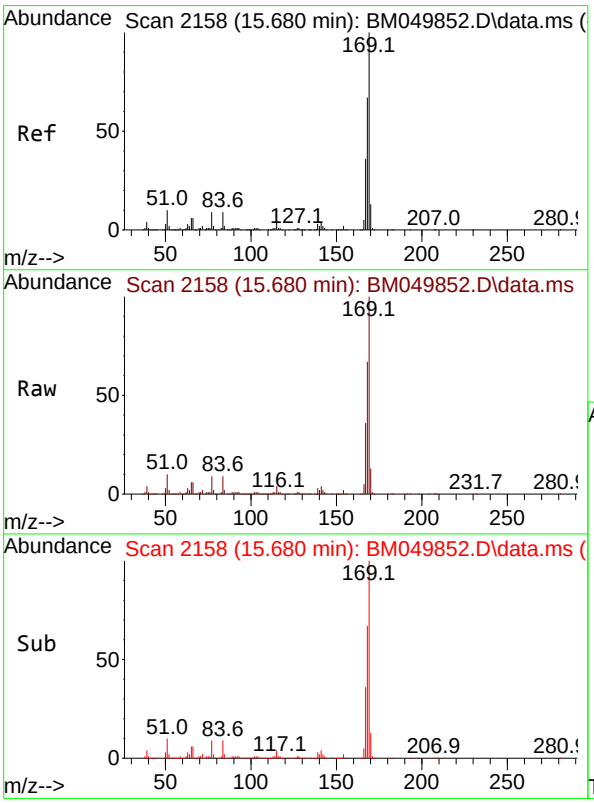
#65
4,6-Dinitro-2-methylphenol
Concen: 41.869 ng
RT: 15.551 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 332394

Ion	Ratio	Lower	Upper
198	100		
51	29.6	9.6	49.6
105	34.7	14.7	54.7

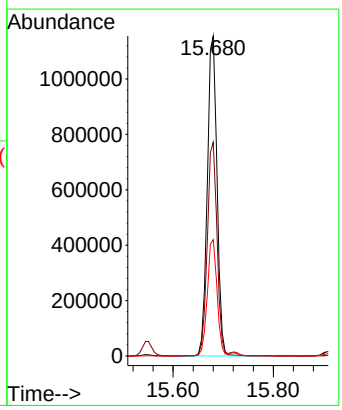


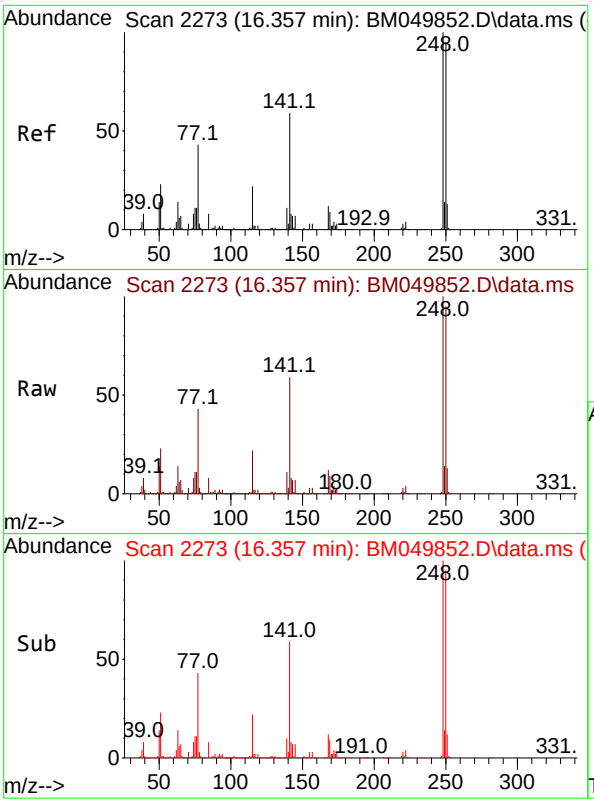


#66
n-Nitrosodiphenylamine
Concen: 41.387 ng
RT: 15.680 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:169 Resp: 1560374

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.4	80.2
167	36.3	29.0	43.6



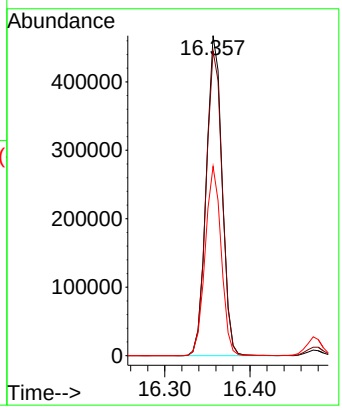


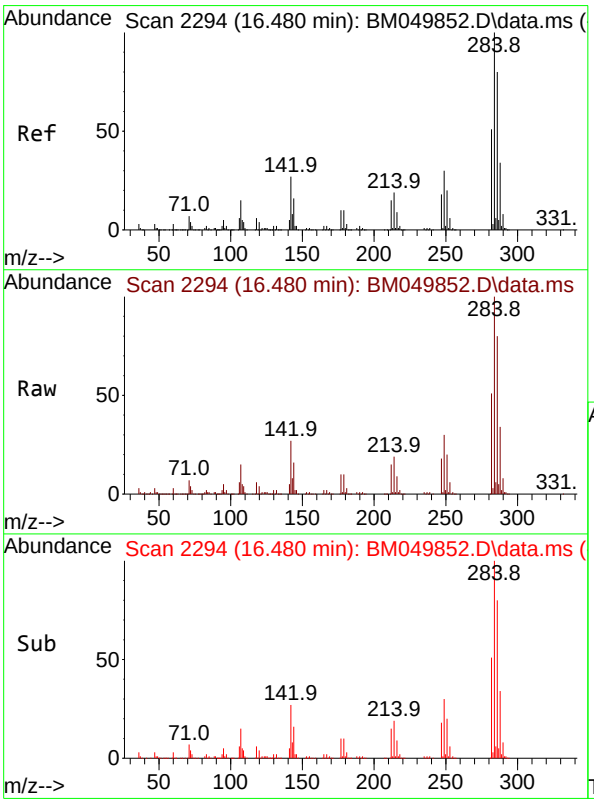
#67
4-Bromophenyl-phenylether
Concen: 41.113 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 601282

Ion	Ratio	Lower	Upper
248	100		
250	95.2	76.2	114.2
141	59.1	47.3	70.9

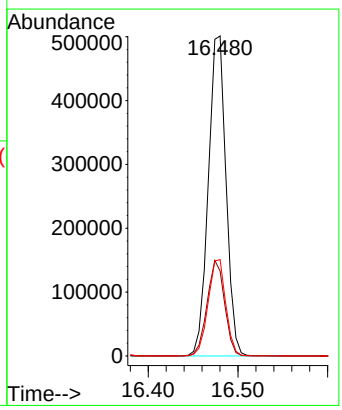


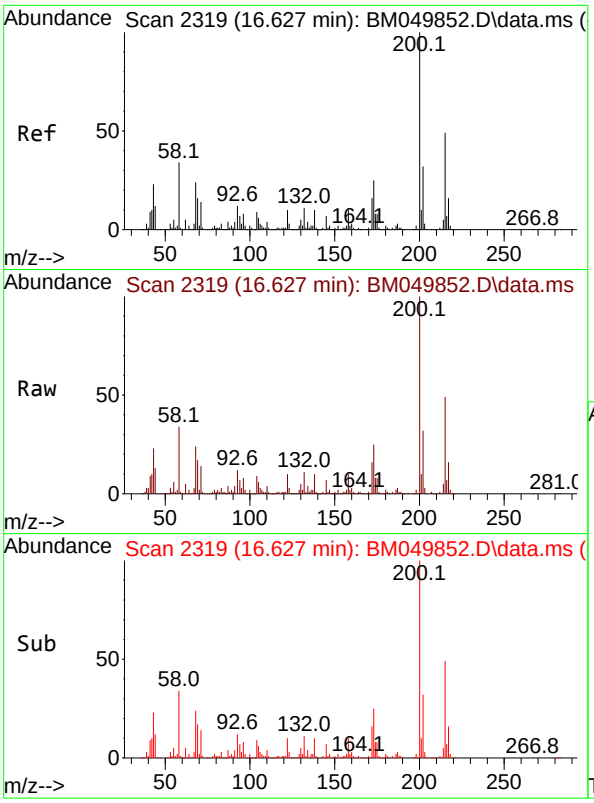


#68
Hexachlorobenzene
Concen: 40.933 ng
RT: 16.480 min Scan# 2294
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:284 Resp: 686665

Ion	Ratio	Lower	Upper
284	100		
142	26.5	21.2	31.8
249	30.1	24.1	36.1



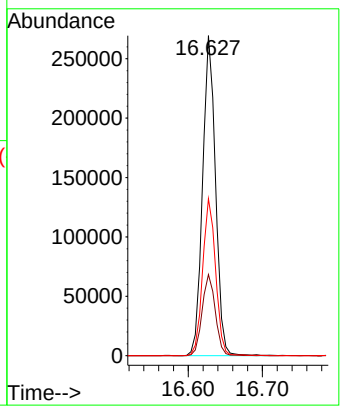


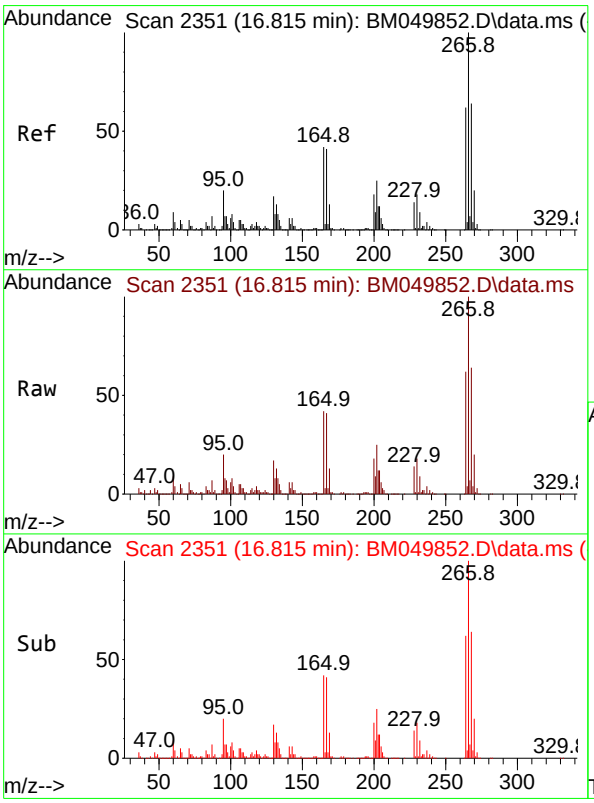
#69
Atrazine
Concen: 33.411 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 326609

Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.4	45.4
215	49.0	29.0	69.0

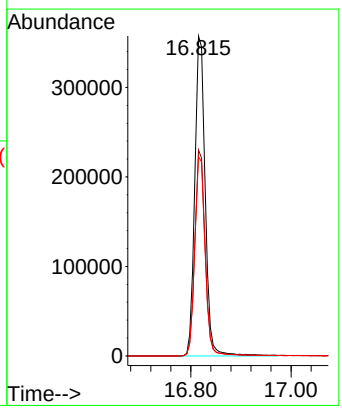


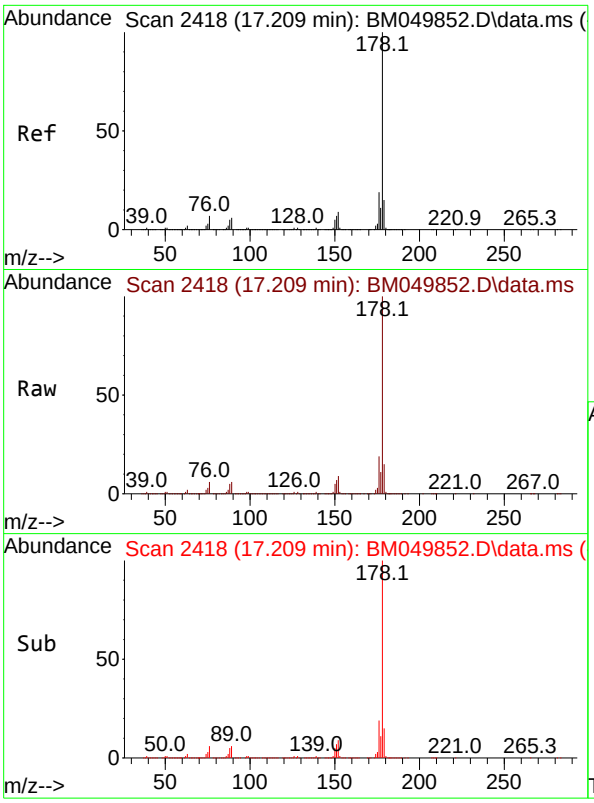


#70
Pentachlorophenol
Concen: 41.678 ng
RT: 16.815 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:266 Resp: 514744

Ion	Ratio	Lower	Upper
266	100		
268	64.3	51.4	77.2
264	62.3	49.8	74.8



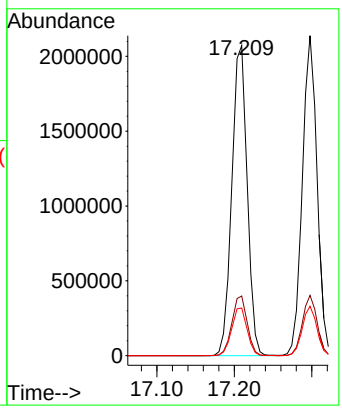


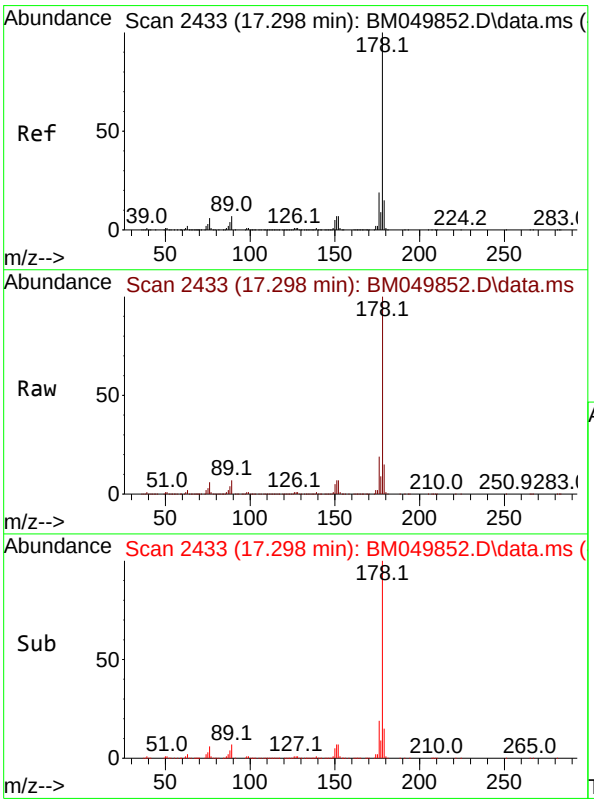
#71
Phenanthrene
Concen: 41.324 ng
RT: 17.209 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 2854182

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.4	12.3	18.5

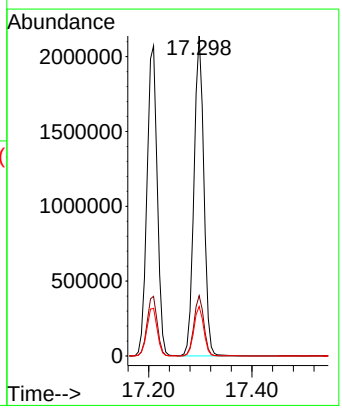


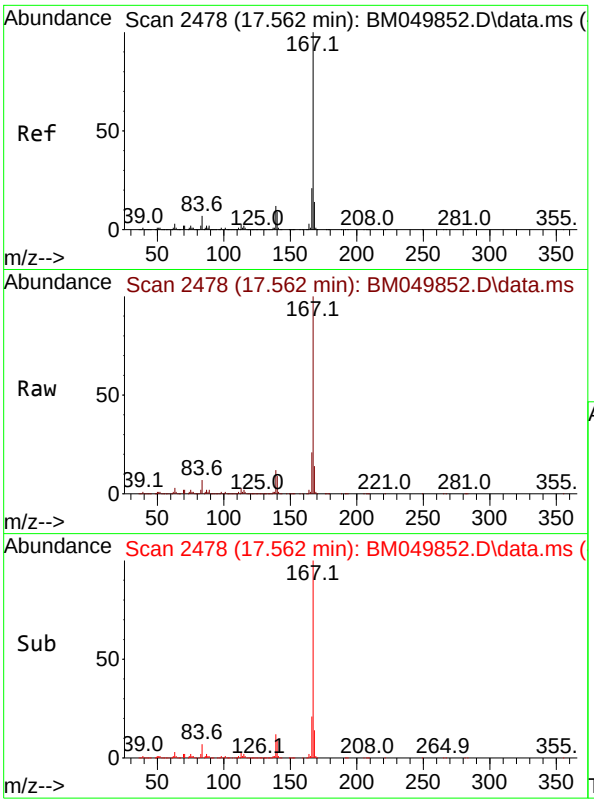


#72
Anthracene
Concen: 41.631 ng
RT: 17.298 min Scan# 2433
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:178 Resp: 2833652

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.5	12.4	18.6



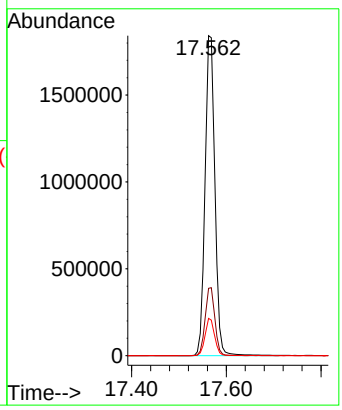


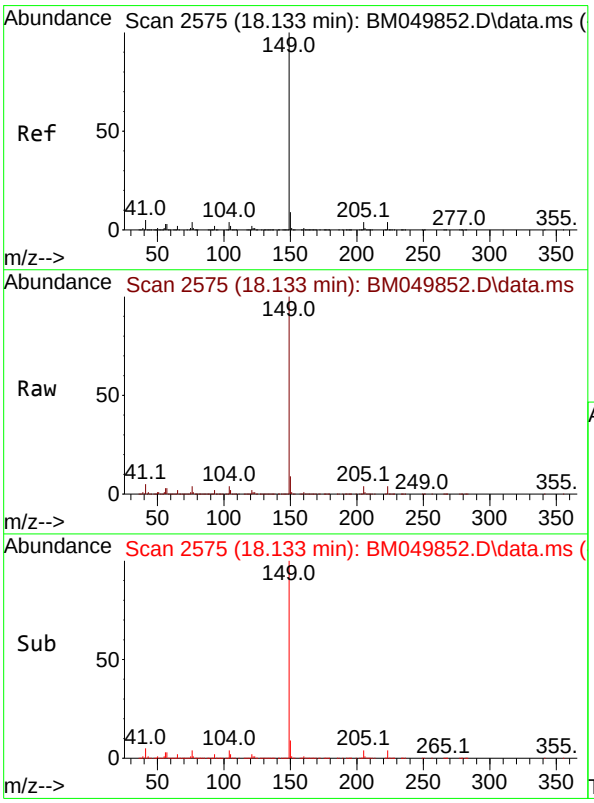
#73
Carbazole
Concen: 41.609 ng
RT: 17.562 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 2667570

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	11.6	9.3	13.9

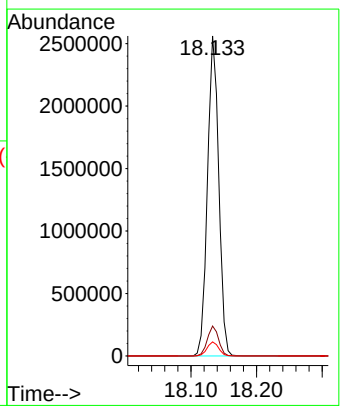


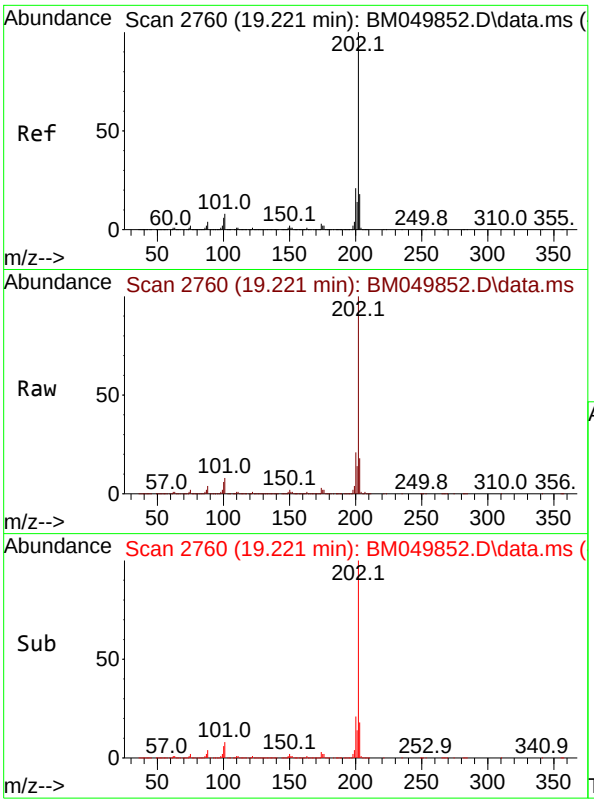


#74
Di-n-butylphthalate
Concen: 41.476 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:149 Resp: 3062695

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.4	3.5	5.3



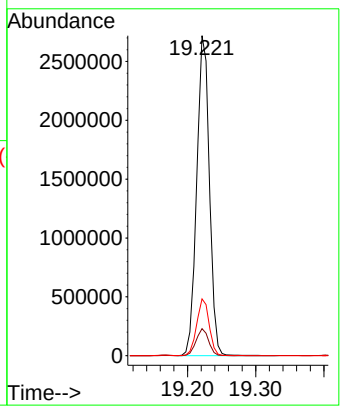


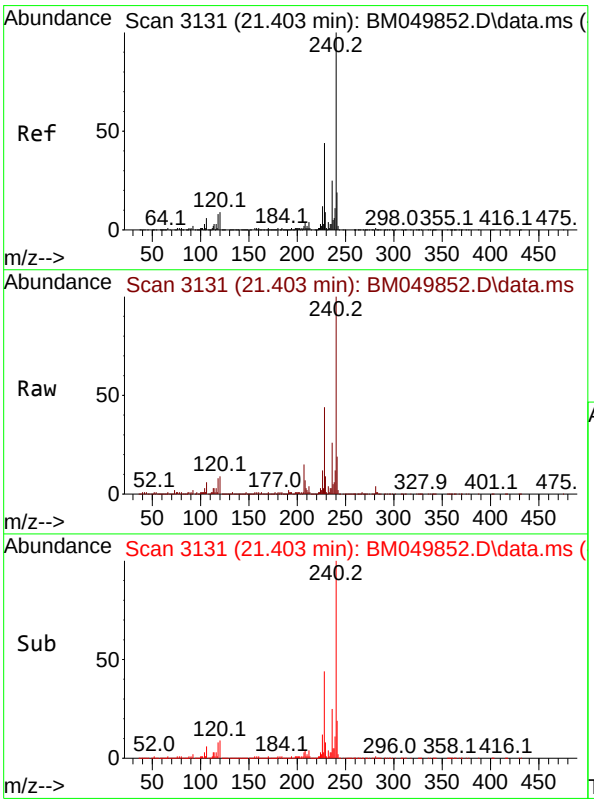
#75
Fluoranthene
Concen: 41.165 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 3495877

Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	28.4
203	17.8	0.0	37.8

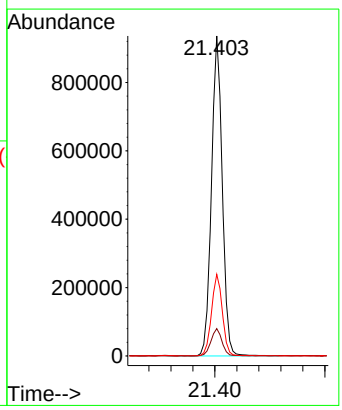


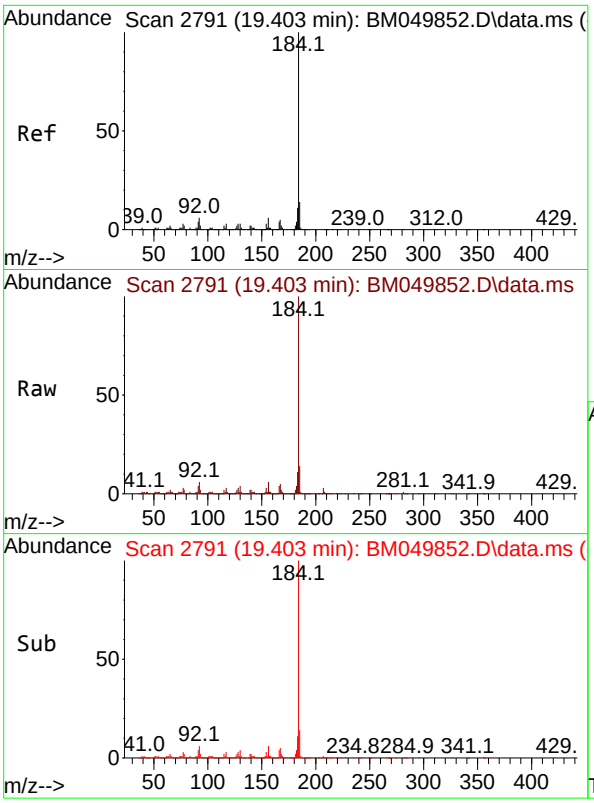


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:240 Resp: 1277117

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.9	10.3
236	25.5	20.4	30.6



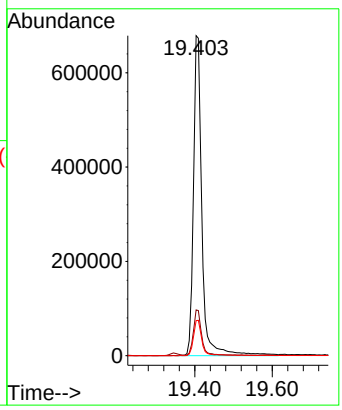


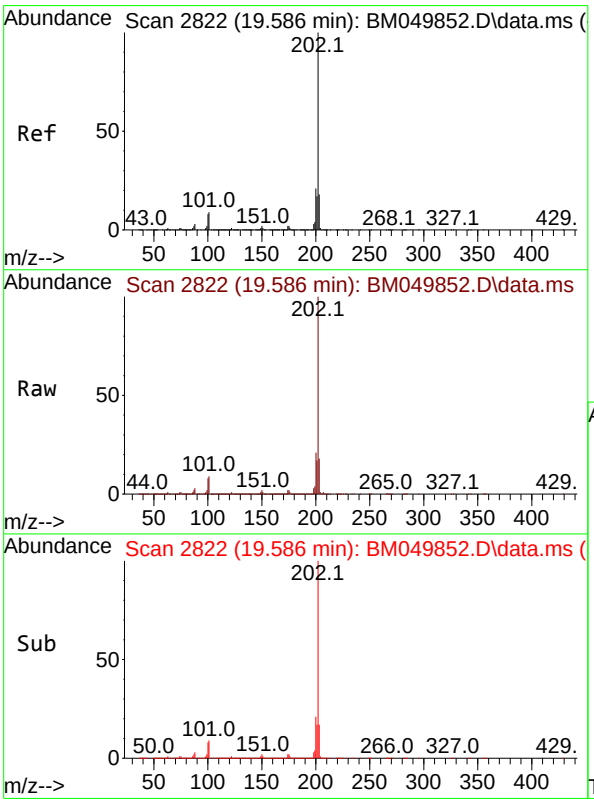
#77
Benzidine
Concen: 60.691 ng
RT: 19.403 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 1028267

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	11.0	8.8	13.2

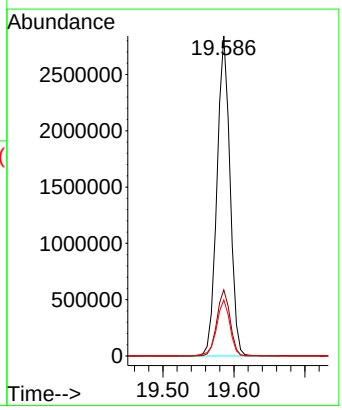


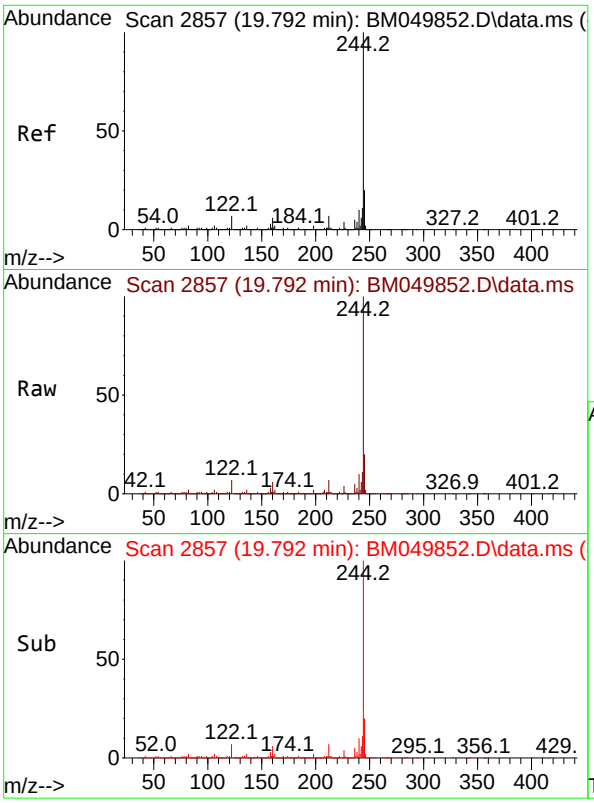


#78
Pyrene
Concen: 40.863 ng
RT: 19.586 min Scan# 2822
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:202 Resp: 3596605

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7
203	17.5	14.0	21.0



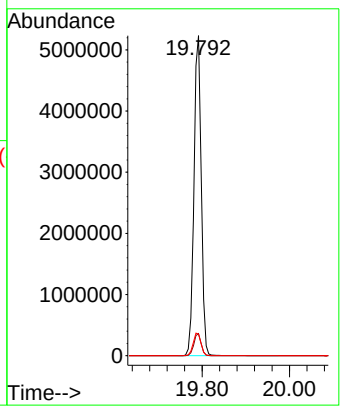


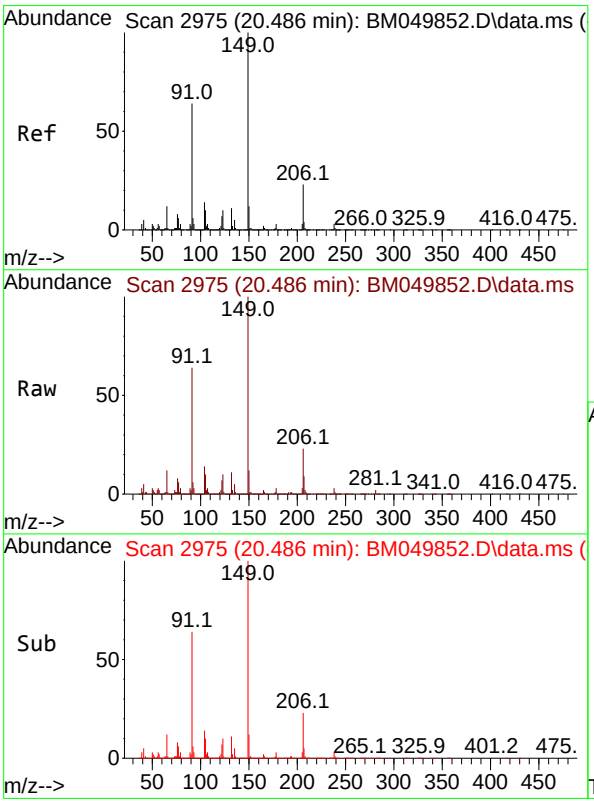
#79
Terphenyl-d14
Concen: 88.947 ng
RT: 19.792 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 6061535

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.5	8.3
122	6.7	5.4	8.0

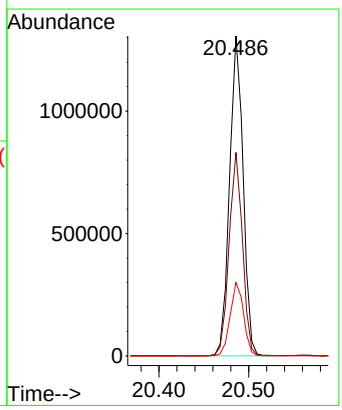


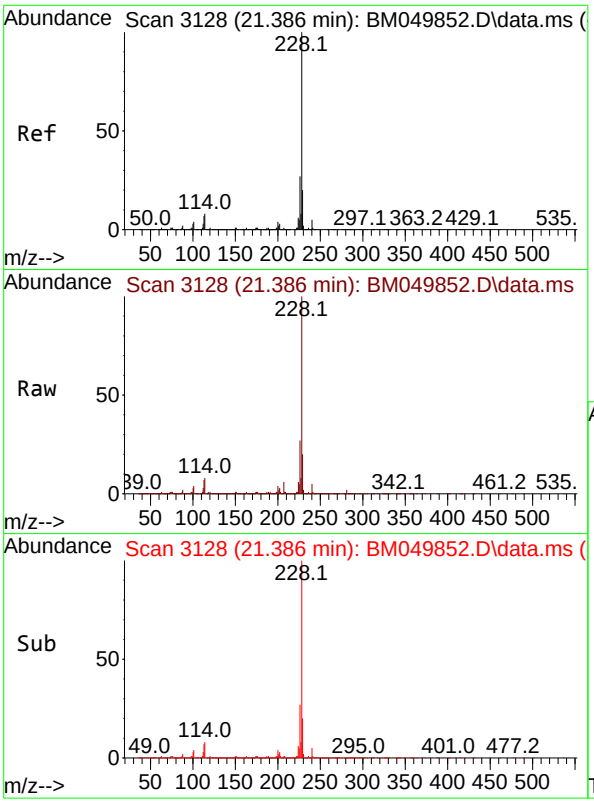


#80
Butylbenzylphthalate
Concen: 41.392 ng
RT: 20.486 min Scan# 2975
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:149 Resp: 1368958

Ion	Ratio	Lower	Upper
149	100		
91	63.6	50.9	76.3
206	23.0	18.4	27.6



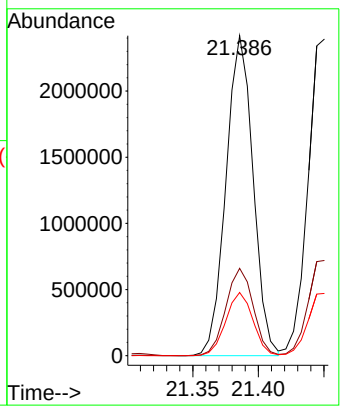


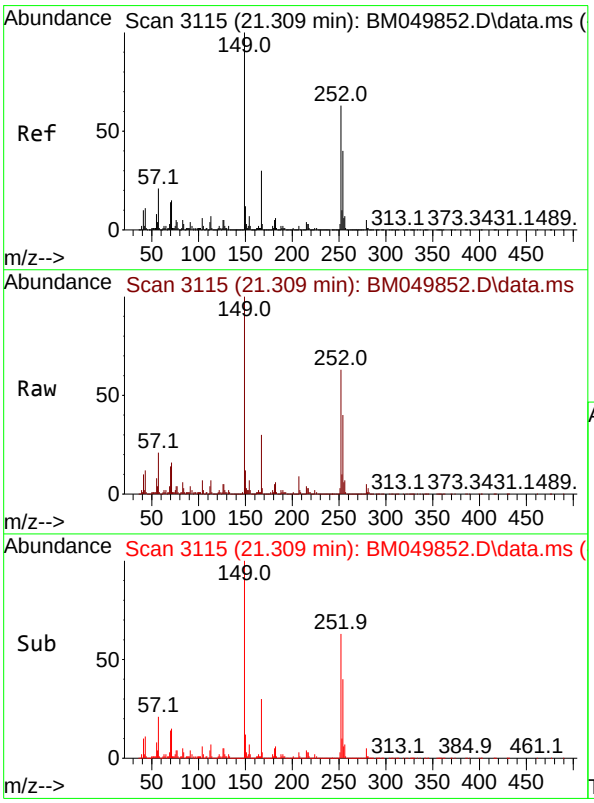
#81
Benzo(a)anthracene
Concen: 40.979 ng
RT: 21.386 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3478165

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.8	15.8	23.8

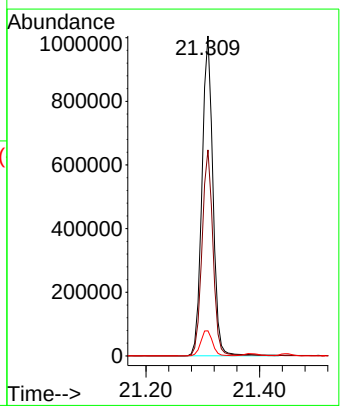


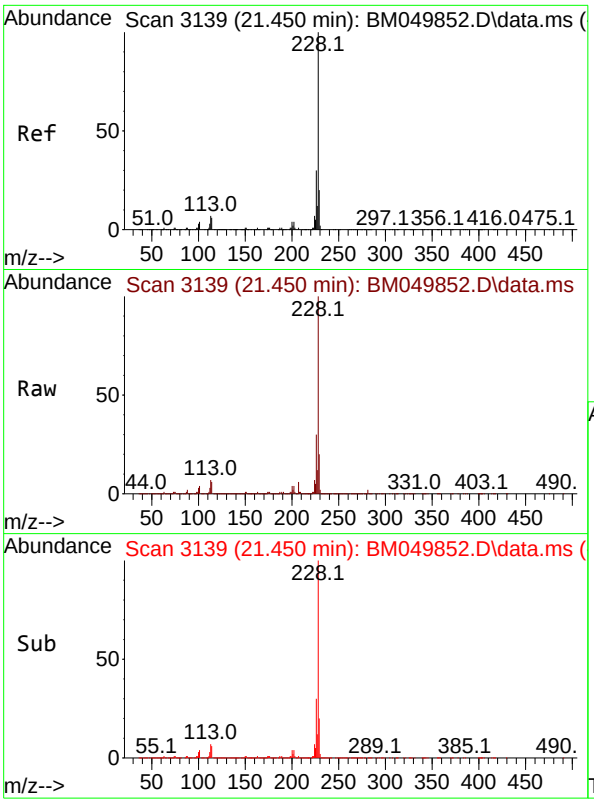


#82
3,3'-Dichlorobenzidine
Concen: 41.880 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:252 Resp: 1342391

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.5	77.3
126	7.9	6.3	9.5



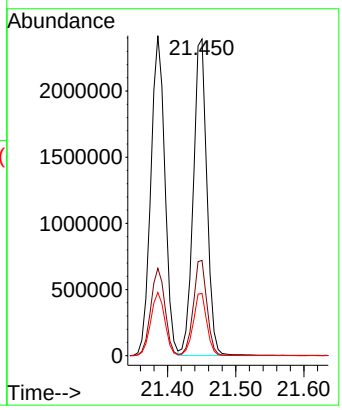


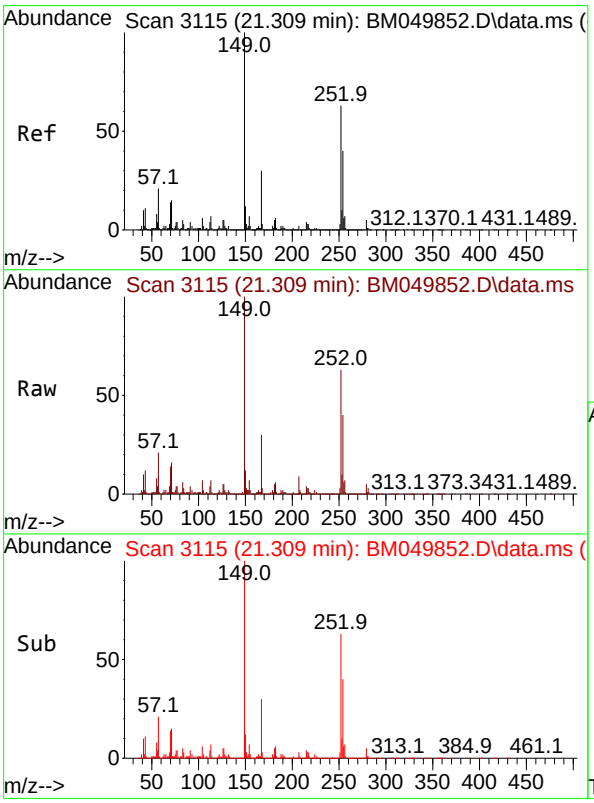
#83
Chrysene
Concen: 40.890 ng
RT: 21.450 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 3299571

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	19.7	15.8	23.6

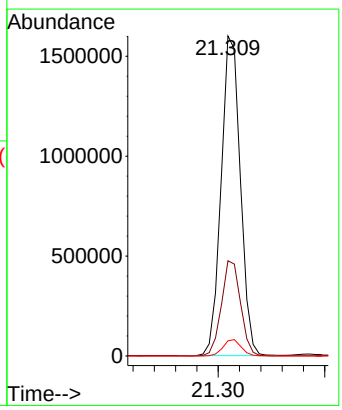


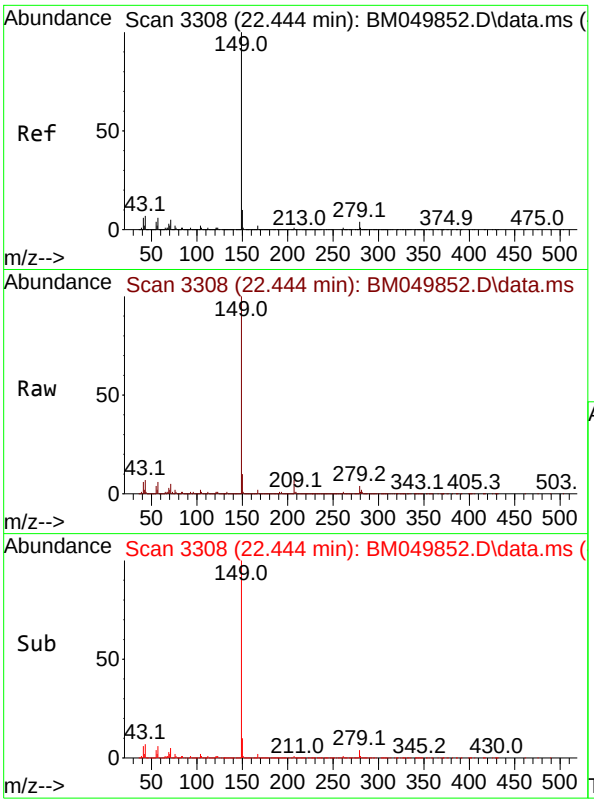


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.512 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:149 Resp: 2000260

Ion	Ratio	Lower	Upper
149	100		
167	29.7	23.8	35.6
279	4.8	3.8	5.8



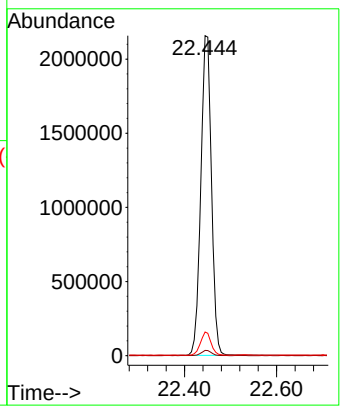


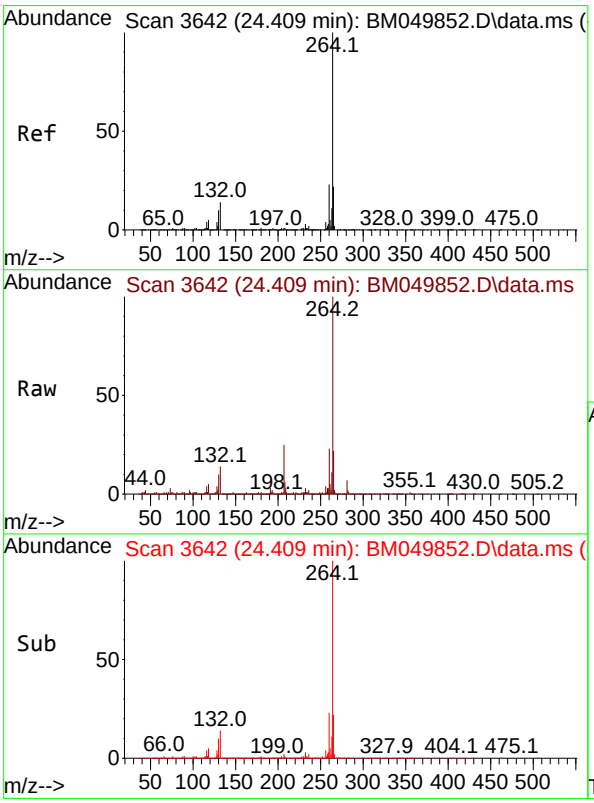
#85
Di-n-octyl phthalate
Concen: 41.276 ng
RT: 22.444 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 3479444

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.2	5.8	8.6

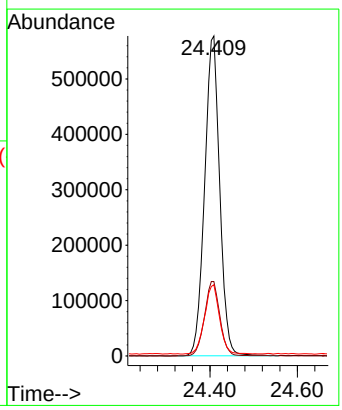


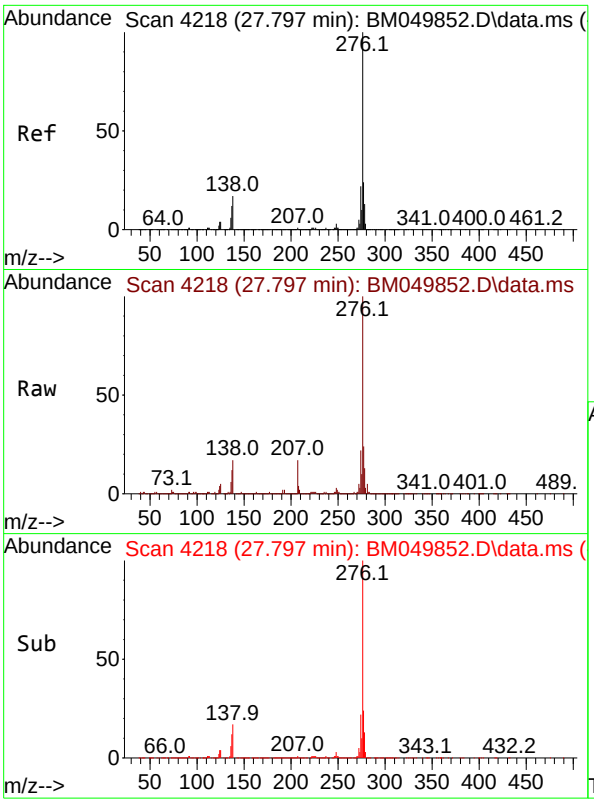


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:264 Resp: 1383369

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	22.3	17.8	26.8



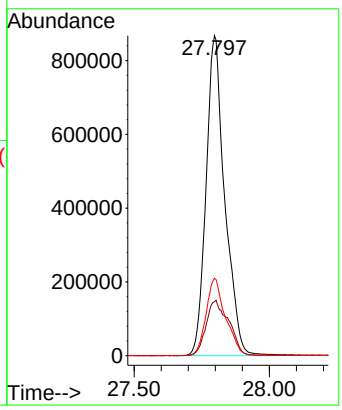


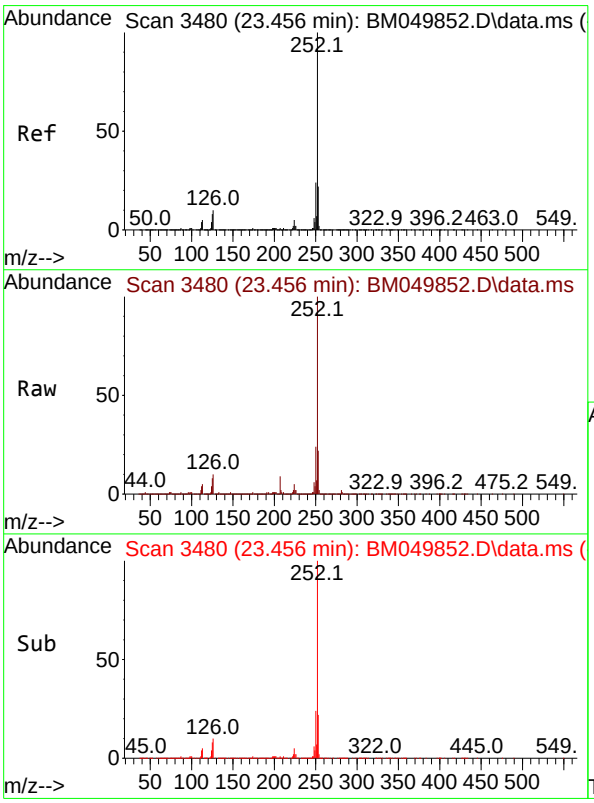
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.421 ng
RT: 27.797 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 4168171

Ion	Ratio	Lower	Upper
276	100		
138	21.0	16.8	25.2
277	25.1	20.1	30.1

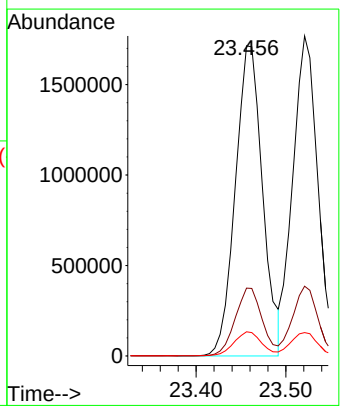


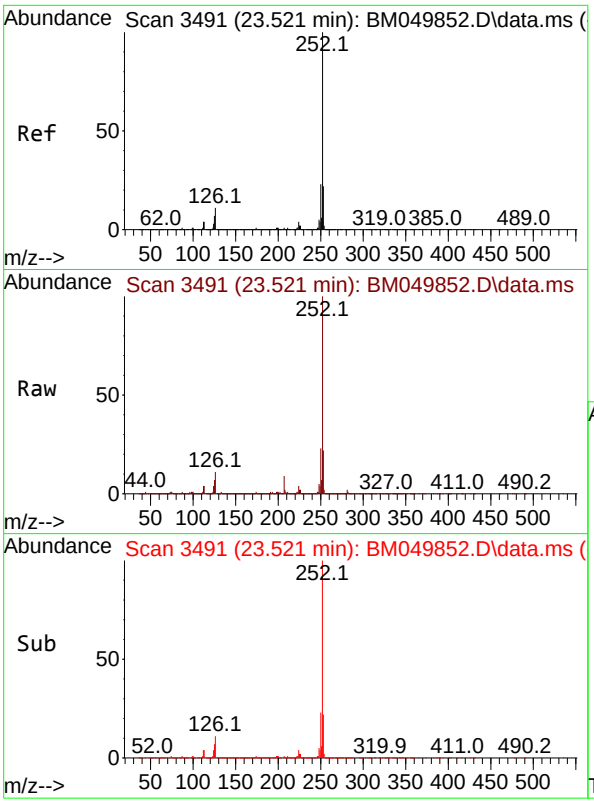


#88
Benzo(b)fluoranthene
Concen: 40.968 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:252 Resp: 3619584

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	7.8	6.2	9.4



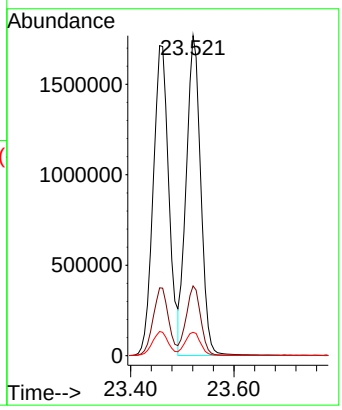


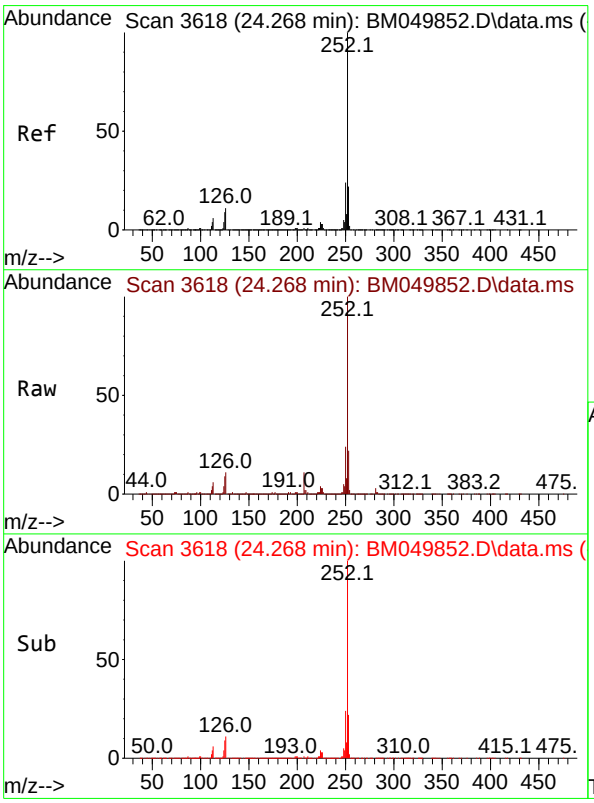
#89
Benzo(k)fluoranthene
Concen: 40.138 ng
RT: 23.521 min Scan# 34
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 3436549

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	7.3	5.8	8.8

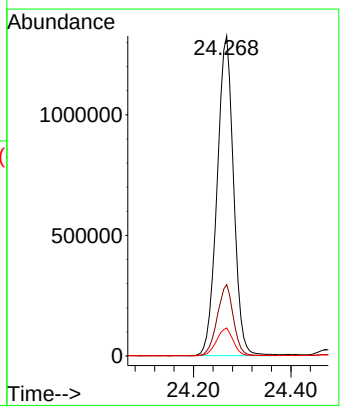


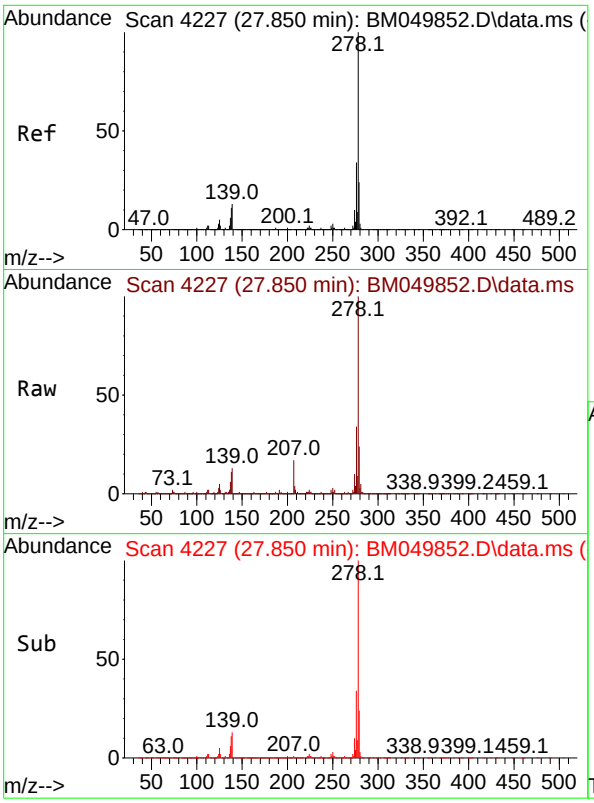


#90
Benzo(a)pyrene
Concen: 40.278 ng
RT: 24.268 min Scan# 3618
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:252 Resp: 3127065

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	8.7	7.0	10.4



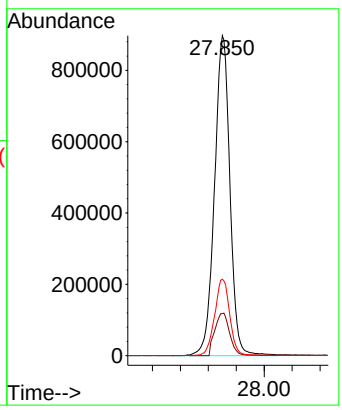


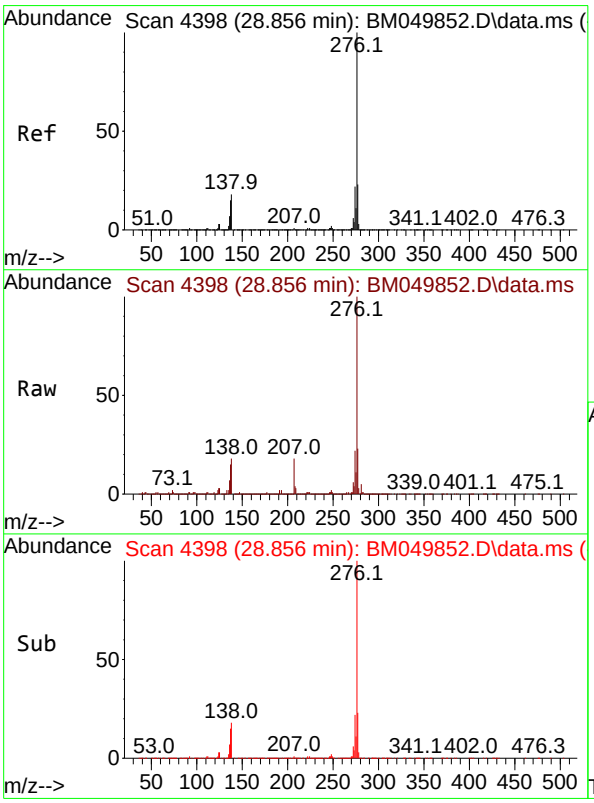
#91
Dibenzo(a,h)anthracene
Concen: 40.519 ng
RT: 27.850 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Instrument :
BNA_M
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 3441534

Ion	Ratio	Lower	Upper
278	100		
139	13.2	10.6	15.8
279	23.9	19.1	28.7

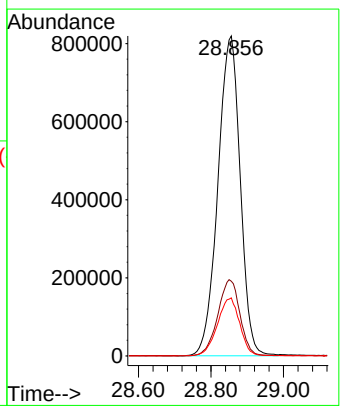




#92
Benzo(g,h,i)perylene
Concen: 40.326 ng
RT: 28.856 min Scan# 4398
Delta R.T. 0.000 min
Lab File: BM049852.D
Acq: 08 Apr 2025 16:12

Tgt Ion:276 Resp: 3500110

Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	18.2	14.6	21.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.781	152	389192	20.000	ng		0.00
21) Naphthalene-d8	10.575	136	1287434	20.000	ng		0.00
39) Acenaphthene-d10	14.421	164	808126	20.000	ng		0.00
64) Phenanthrene-d10	17.162	188	1599813	20.000	ng		0.00
76) Chrysene-d12	21.403	240	1661195	20.000	ng		0.00
86) Perylene-d12	24.409	264	1751474	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	2266168	98.875	ng		0.00
7) Phenol-d6	6.951	99	2789069	97.806	ng		0.00
23) Nitrobenzene-d5	8.939	82	2323989	100.519	ng		0.00
42) 2,4,6-Tribromophenol	15.909	330	1205724	102.576	ng		0.00
45) 2-Fluorobiphenyl	13.045	172	6004539	100.754	ng		0.00
79) Terphenyl-d14	19.792	244	9482895	106.980	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	472538	50.062	ng		99
3) Pyridine	3.663	79	1241357	50.075	ng		99
4) n-Nitrosodimethylamine	3.569	42	470712	49.875	ng		100
6) Aniline	7.104	93	1121872	45.913	ng		99
8) 2-Chlorophenol	7.345	128	1141976	48.619	ng		99
9) Benzaldehyde	6.916	77	692302	47.349	ng		99
10) Phenol	6.981	94	1356163	48.734	ng		98
11) bis(2-Chloroethyl)ether	7.204	93	1066103	48.854	ng		100
12) 1,3-Dichlorobenzene	7.669	146	1379847	49.689	ng		98
13) 1,4-Dichlorobenzene	7.816	146	1373896	49.170	ng		100
14) 1,2-Dichlorobenzene	8.134	146	1288439	48.956	ng		99
15) Benzyl Alcohol	8.022	79	879326	48.969	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.316	45	1159497	47.671	ng		99
17) 2-Methylphenol	8.228	107	827157	48.234	ng		99
18) Hexachloroethane	8.857	117	472771	48.633	ng		99
19) n-Nitroso-di-n-propyla...	8.586	70	771317	48.837	ng		100
20) 3+4-Methylphenols	8.551	107	1138439	48.694	ng		100
22) Acetophenone	8.598	105	1550166	49.544	ng	#	99
24) Nitrobenzene	8.981	77	1111675	49.935	ng		98
25) Isophorone	9.504	82	1926268	49.735	ng		100
26) 2-Nitrophenol	9.686	139	611215	51.801	ng		99
27) 2,4-Dimethylphenol	9.757	122	682677	51.053	ng		98
28) bis(2-Chloroethoxy)met...	9.986	93	1283751	49.510	ng		99
29) 2,4-Dichlorophenol	10.227	162	1124321	50.582	ng		99
30) 1,2,4-Trichlorobenzene	10.439	180	1285402	49.988	ng		99
31) Naphthalene	10.622	128	3278244	49.555	ng		99
32) Benzoic acid	9.904	122	773909	46.956	ng		96
33) 4-Chloroaniline	10.733	127	1155438	49.463	ng		98
34) Hexachlorobutadiene	10.916	225	800154	50.305	ng		99
35) Caprolactam	11.522	113	317444	49.794	ng		98
36) 4-Chloro-3-methylphenol	11.869	107	973959	50.022	ng		99
37) 2-Methylnaphthalene	12.239	142	2320947	49.796	ng		99
38) 1-Methylnaphthalene	12.457	142	2263493	49.847	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	1436460	50.808	ng		99
41) Hexachlorocyclopentadiene	12.592	237	526124	53.108	ng		98
43) 2,4,6-Trichlorophenol	12.851	196	907433	50.440	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	976092	49.927	ng	99
46) 1,1'-Biphenyl	13.257	154	2990362	49.778	ng	100
47) 2-Chloronaphthalene	13.298	162	2349832	49.767	ng	99
48) 2-Nitroaniline	13.498	65	568681	52.061	ng	98
49) Acenaphthylene	14.145	152	3456837	50.260	ng	100
50) Dimethylphthalate	13.880	163	2850200	49.993	ng	99
51) 2,6-Dinitrotoluene	13.992	165	616905	51.646	ng	99
52) Acenaphthene	14.486	154	2199854	50.284	ng	100
53) 3-Nitroaniline	14.327	138	595646	51.595	ng	94
54) 2,4-Dinitrophenol	14.533	184	391855	48.434	ng	98
55) Dibenzofuran	14.821	168	3667823	50.151	ng	99
56) 4-Nitrophenol	14.639	139	550813	53.540	ng	98
57) 2,4-Dinitrotoluene	14.786	165	847929	53.211	ng	95
58) Fluorene	15.468	166	2942325	50.613	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	848529	49.519	ng	98
60) Diethylphthalate	15.245	149	2722291	49.792	ng	99
61) 4-Chlorophenyl-phenyle...	15.468	204	1598783	51.296	ng	98
62) 4-Nitroaniline	15.486	138	638370	53.470	ng	100
63) Azobenzene	15.757	77	2357839	50.372	ng	99
65) 4,6-Dinitro-2-methylph...	15.551	198	531880	52.759	ng	99
66) n-Nitrosodiphenylamine	15.680	169	2406908	50.273	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	946616	50.970	ng	98
68) Hexachlorobenzene	16.480	284	1072736	50.357	ng	99
69) Atrazine	16.627	200	567392	45.708	ng	99
70) Pentachlorophenol	16.821	266	786228	50.132	ng	99
71) Phenanthrene	17.209	178	4416317	50.352	ng	100
72) Anthracene	17.298	178	4394410	50.841	ng	100
73) Carbazole	17.568	167	4149752	50.973	ng	99
74) Di-n-butylphthalate	18.133	149	4702392	50.149	ng	100
75) Fluoranthene	19.221	202	5578449	51.729	ng	99
77) Benzidine	19.403	184	677381	30.737	ng	100
78) Pyrene	19.586	202	5785386	50.533	ng	100
80) Butylbenzylphthalate	20.486	149	2121299	49.311	ng	98
81) Benzo(a)anthracene	21.386	228	5586396	50.600	ng	100
82) 3,3'-Dichlorobenzidine	21.309	252	2142953	51.399	ng	99
83) Chrysene	21.450	228	5305401	50.547	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	3073374	49.035	ng	98
85) Di-n-octyl phthalate	22.444	149	5429342	49.516	ng	100
87) Indeno(1,2,3-cd)pyrene	27.797	276	6670738	51.094	ng	99
88) Benzo(b)fluoranthene	23.462	252	5751381	51.416	ng	99
89) Benzo(k)fluoranthene	23.527	252	5530993	51.024	ng	100
90) Benzo(a)pyrene	24.268	252	5052750	51.404	ng	98
91) Dibenzo(a,h)anthracene	27.856	278	5509091	51.229	ng	99
92) Benzo(g,h,i)perylene	28.862	276	5555532	50.555	ng	99

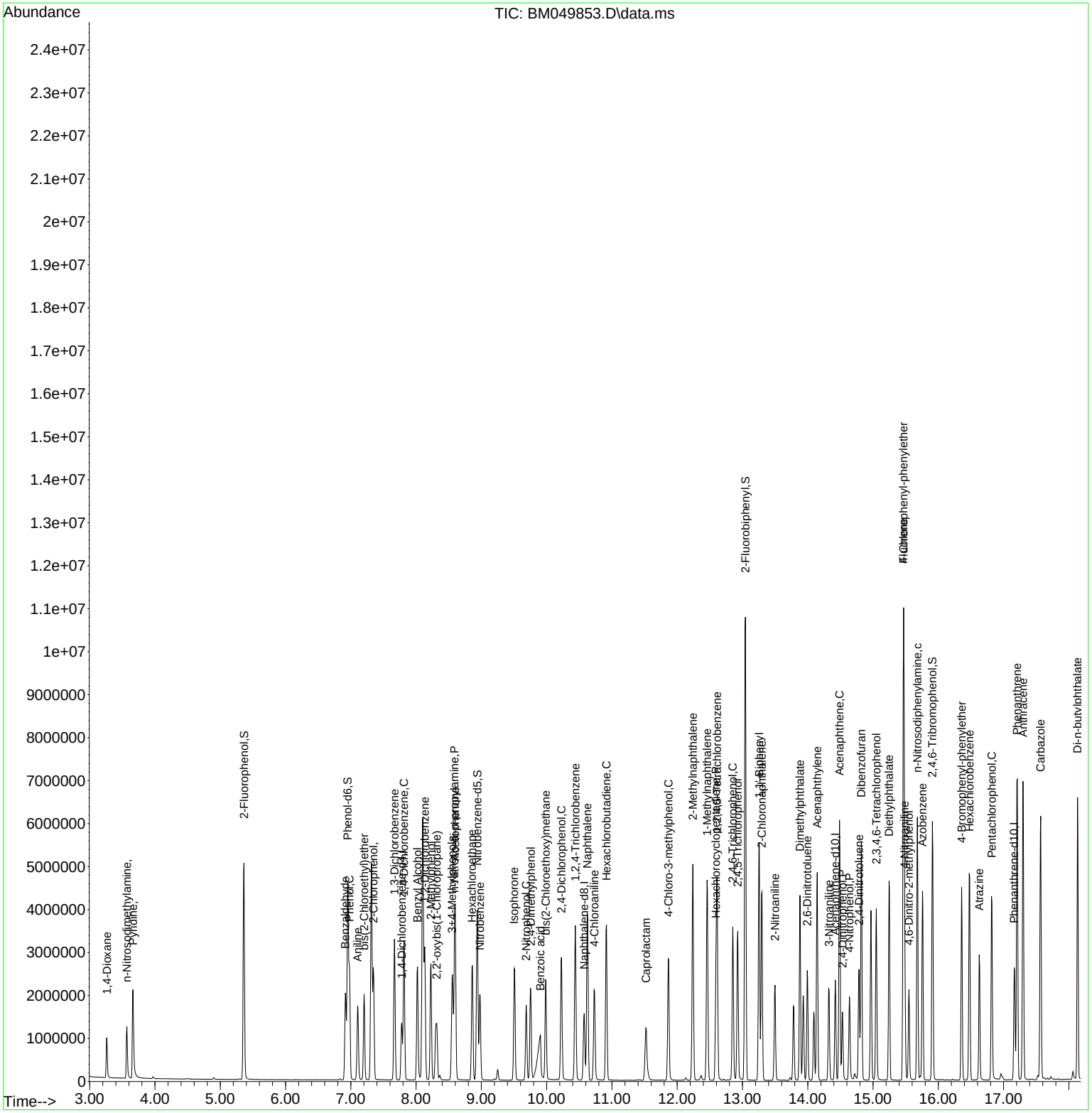
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

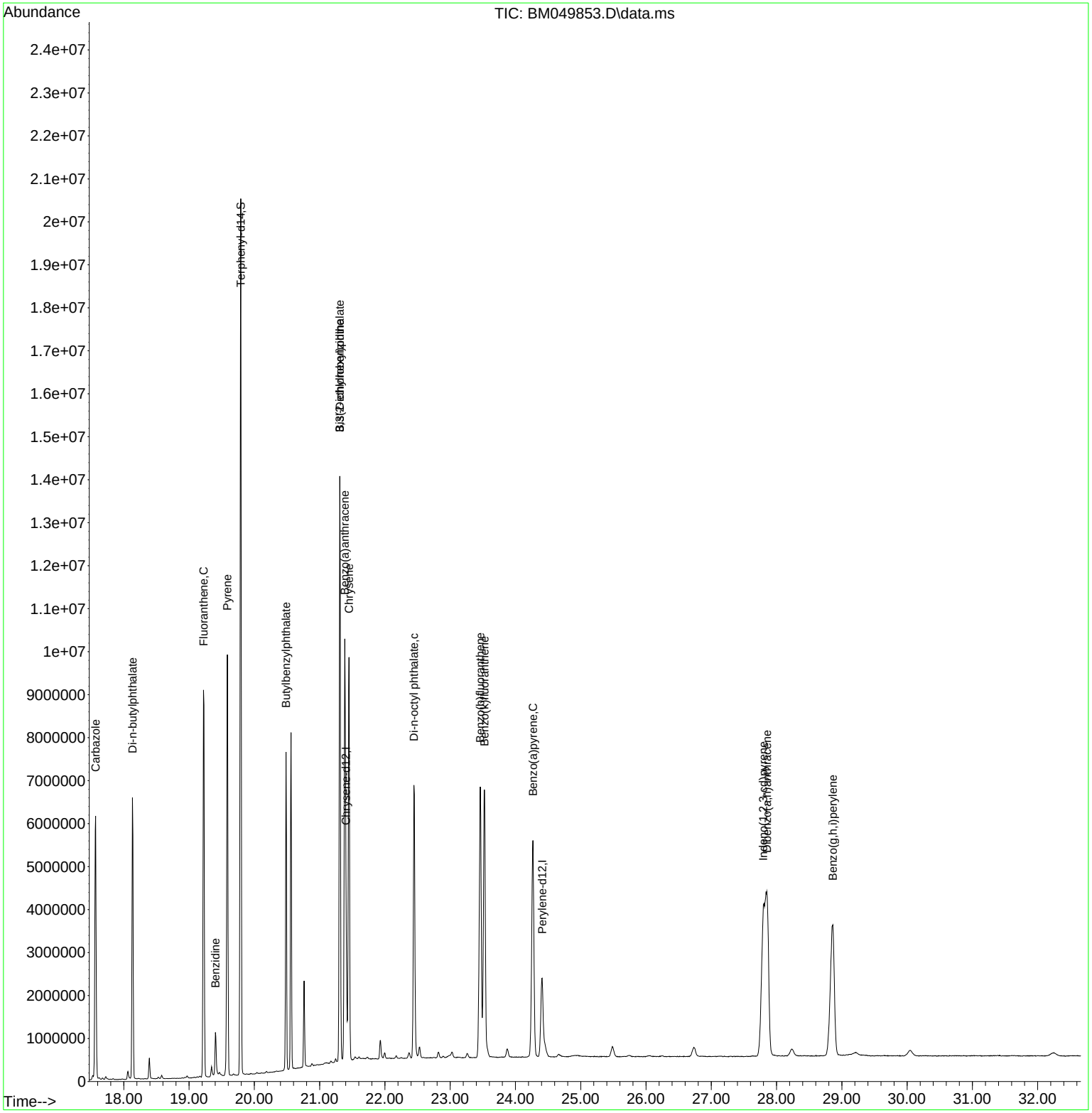
Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

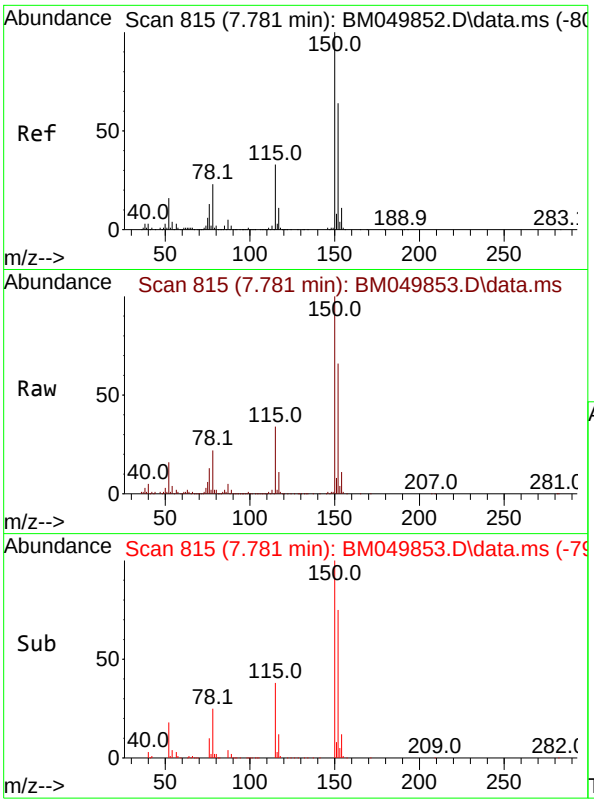


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049853.D
Acq On : 08 Apr 2025 17:30
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Quant Time: Apr 09 03:02:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration



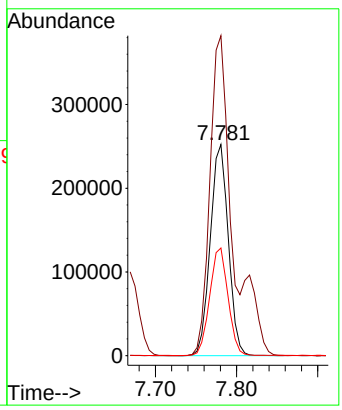


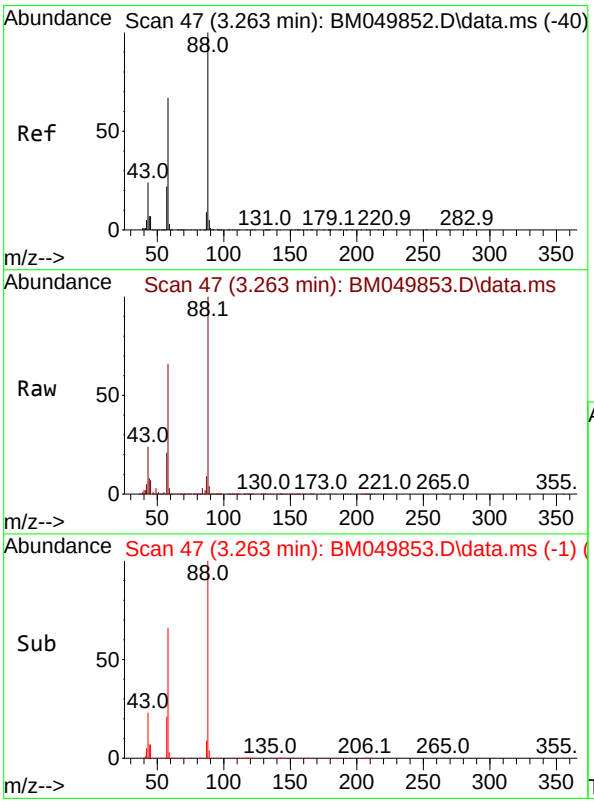
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 389192

Ion	Ratio	Lower	Upper
152	100		
150	151.5	124.3	186.5
115	51.0	41.1	61.7

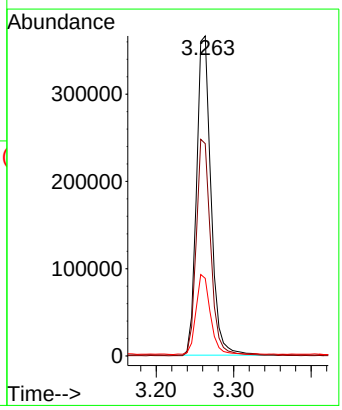


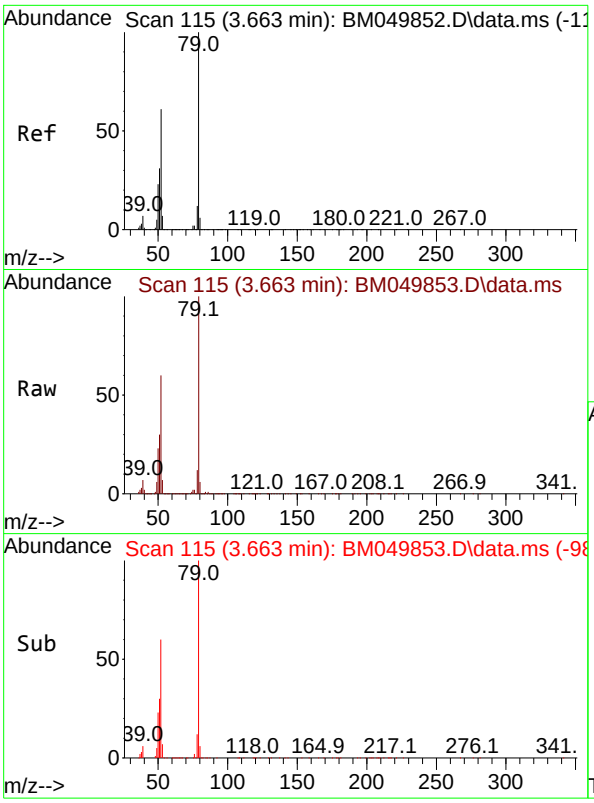


#2
1,4-Dioxane
Concen: 50.062 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 88 Resp: 472538

Ion	Ratio	Lower	Upper
88	100		
58	68.1	54.1	81.1
43	25.1	20.2	30.4



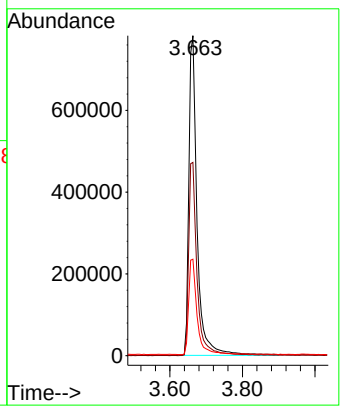


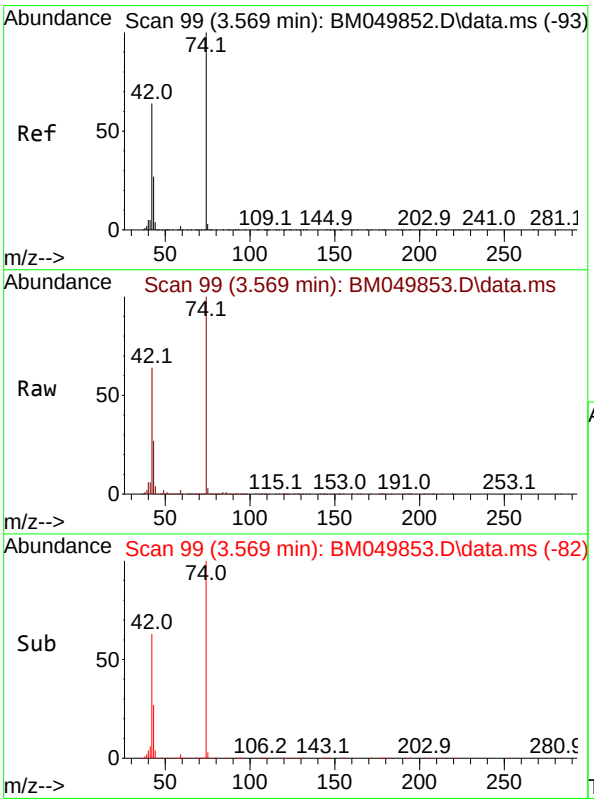
#3
Pyridine
Concen: 50.075 ng
RT: 3.663 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 1241357

Ion	Ratio	Lower	Upper
79	100		
52	60.4	48.9	73.3
51	30.1	25.0	37.6

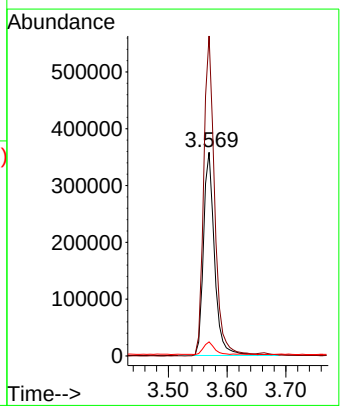


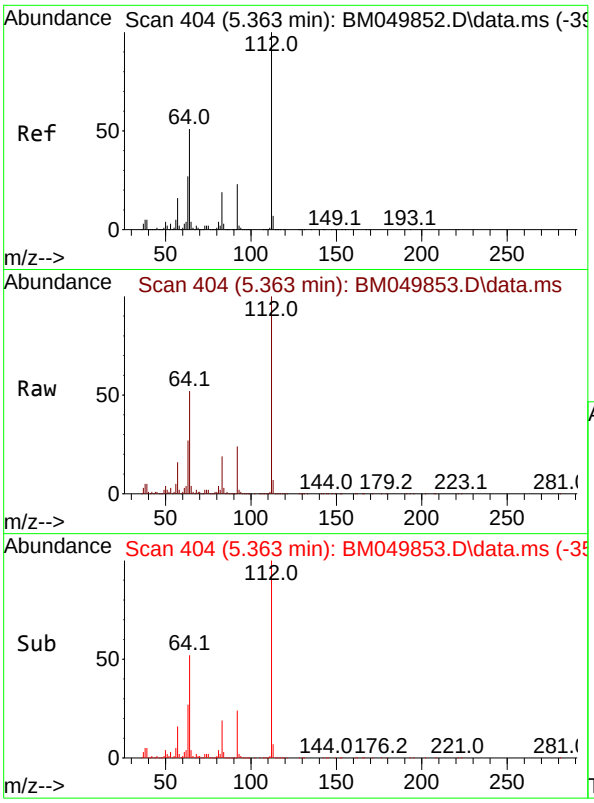


#4
n-Nitrosodimethylamine
Concen: 49.875 ng
RT: 3.569 min Scan# 99
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 42 Resp: 470712

Ion	Ratio	Lower	Upper
42	100		
74	157.1	125.4	188.2
44	6.9	5.9	8.9



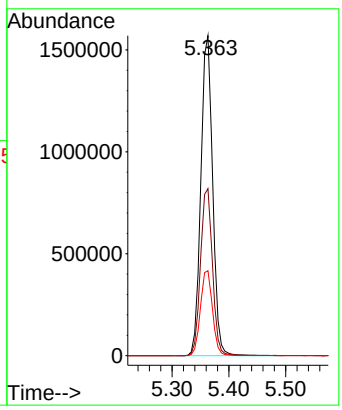


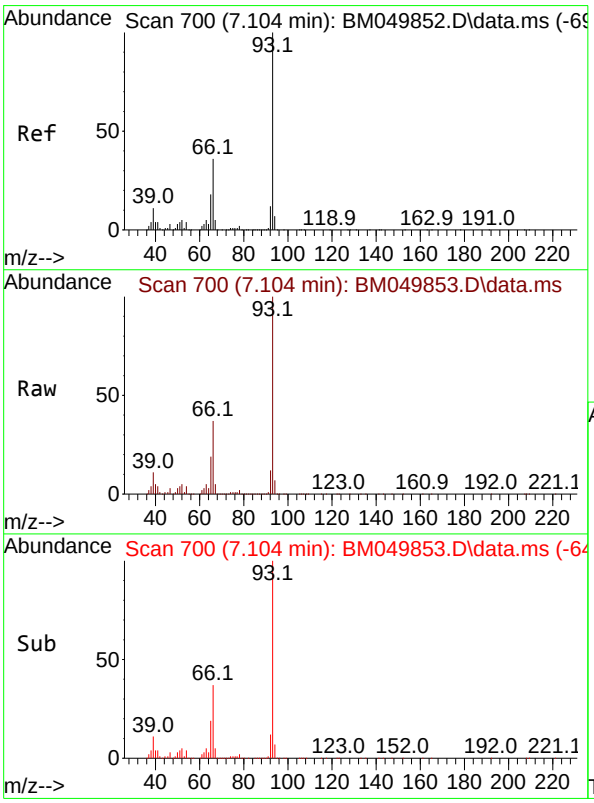
#5
2-Fluorophenol
Concen: 98.875 ng
RT: 5.363 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 2266168

Ion	Ratio	Lower	Upper
112	100		
64	52.2	41.0	61.6
63	26.6	21.5	32.3

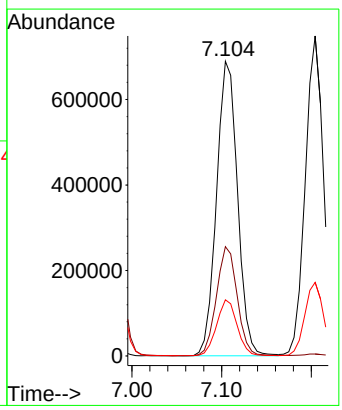


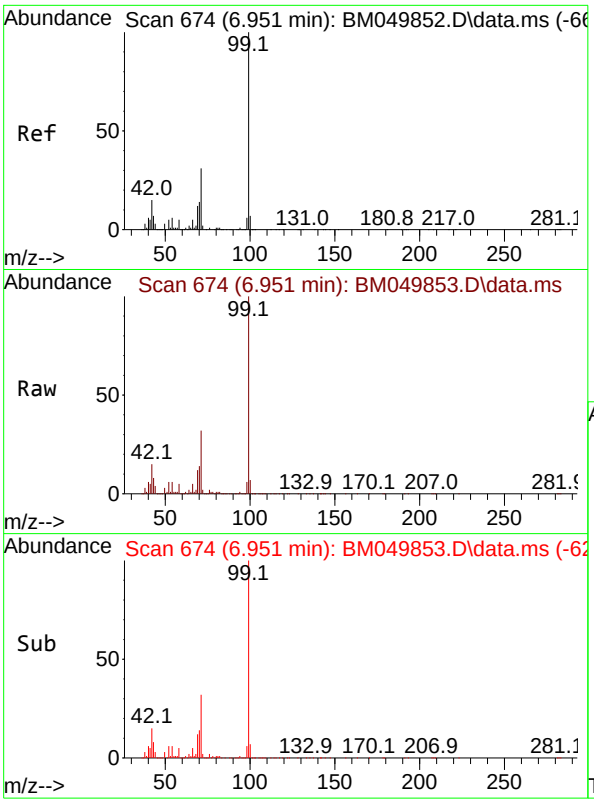


#6
Aniline
Concen: 45.913 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 93 Resp: 1121872

Ion	Ratio	Lower	Upper
93	100		
66	37.1	29.1	43.7
65	19.1	14.9	22.3



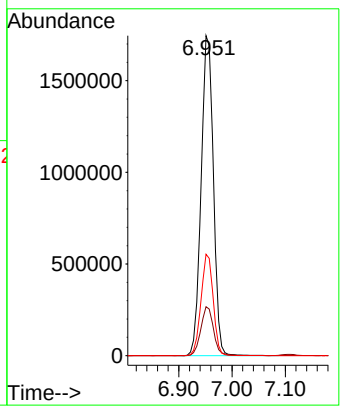


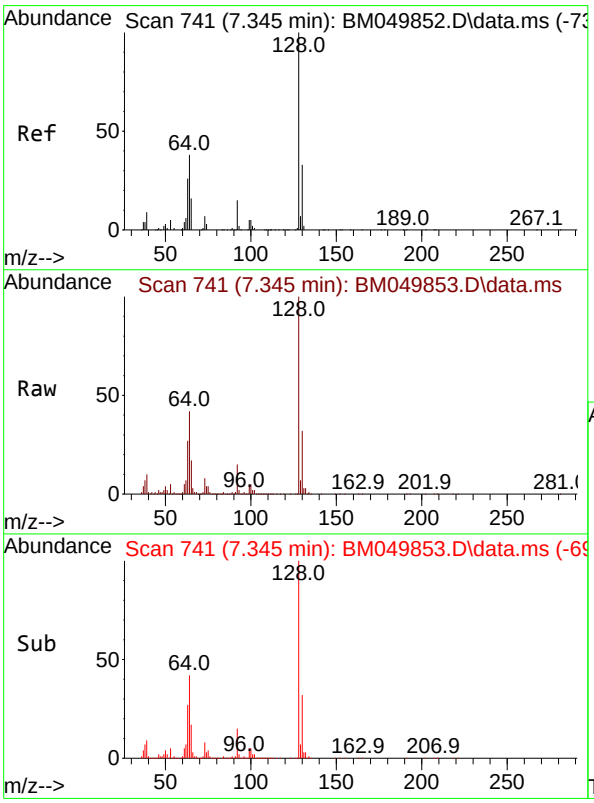
#7
Phenol-d6
Concen: 97.806 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 2789069

Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.1	18.1
71	31.7	24.9	37.3

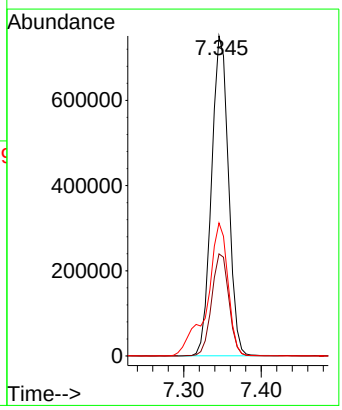


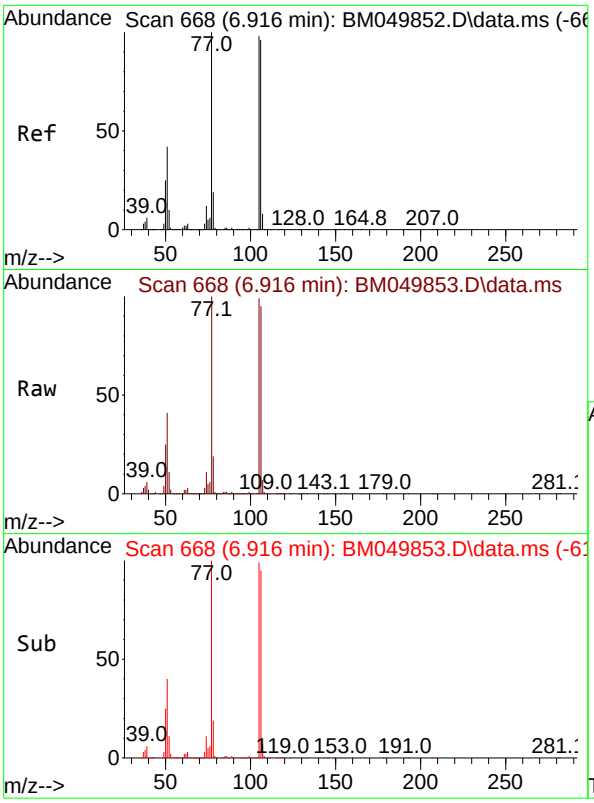


#8
2-Chlorophenol
Concen: 48.619 ng
RT: 7.345 min Scan# 741
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:128 Resp: 1141976

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.6	52.6
64	41.5	21.1	61.1



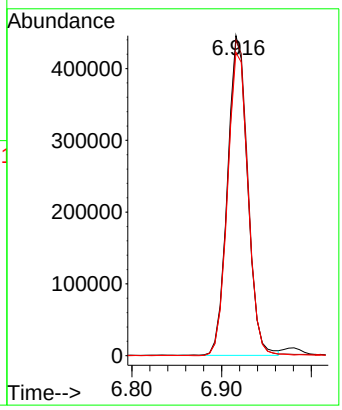


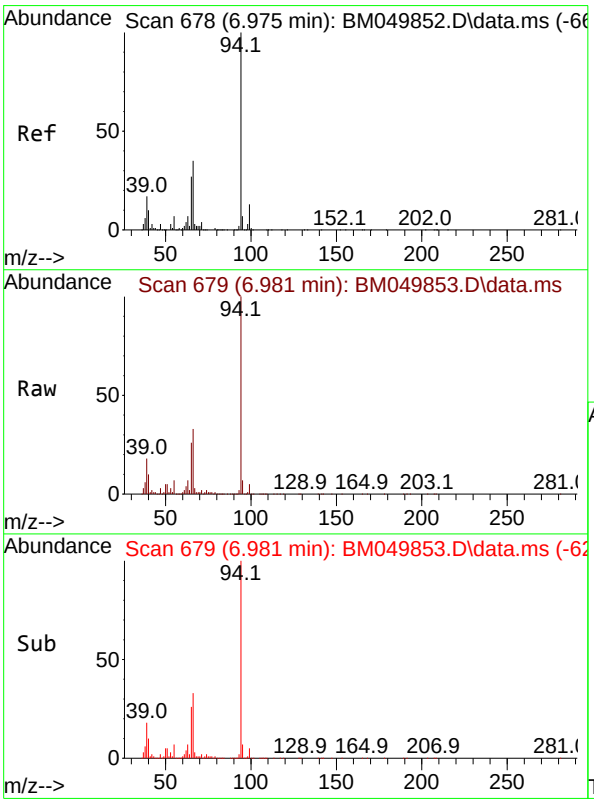
#9
Benzaldehyde
Concen: 47.349 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 692302

Ion	Ratio	Lower	Upper
77	100		
105	98.6	78.3	118.3
106	94.8	76.0	116.0

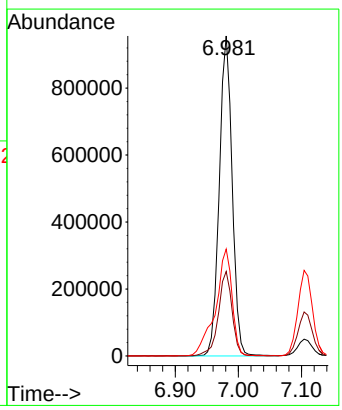


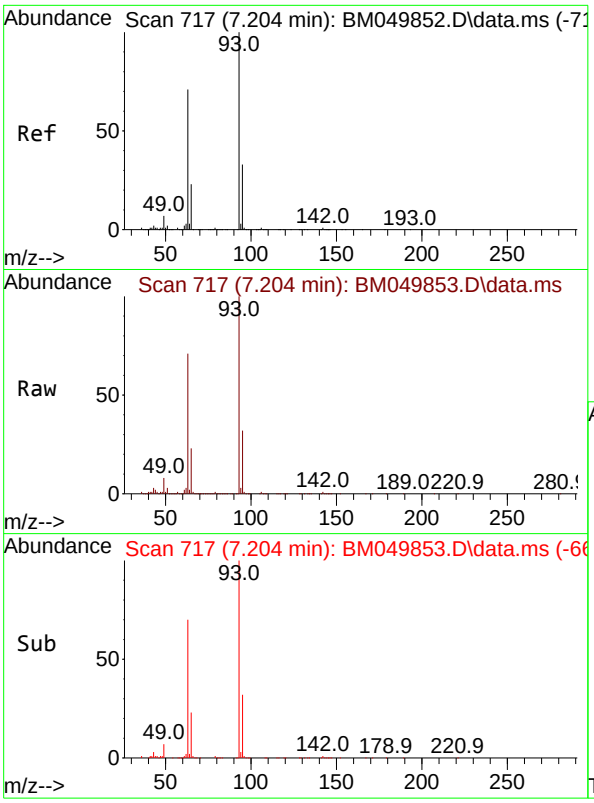


#10
Phenol
Concen: 48.734 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 94 Resp: 1356163

Ion	Ratio	Lower	Upper
94	100		
65	26.4	7.3	47.3
66	33.4	14.8	54.8



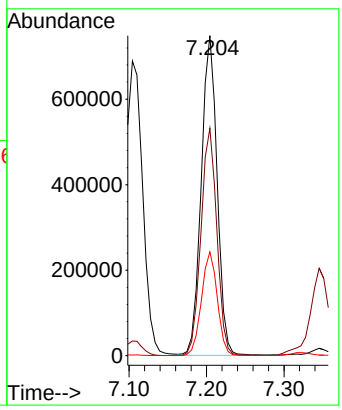


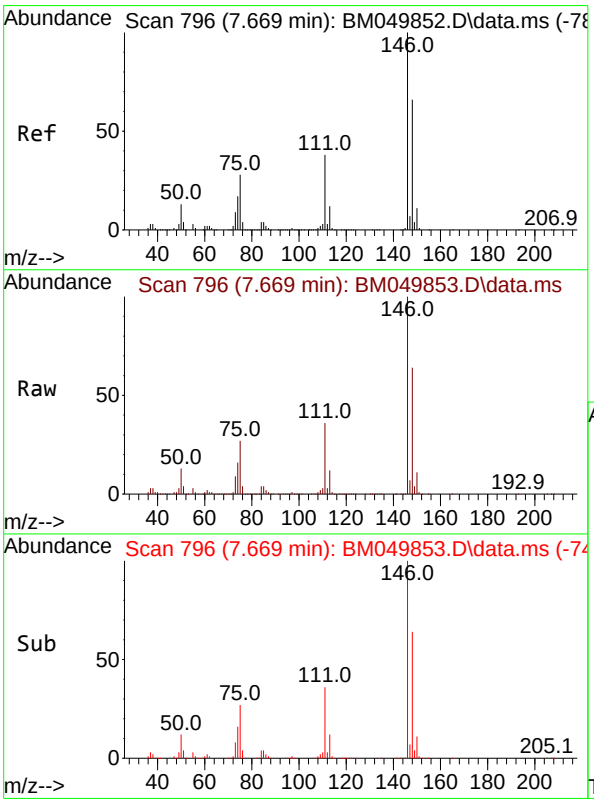
#11
bis(2-Chloroethyl)ether
Concen: 48.854 ng
RT: 7.204 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 1066103

Ion	Ratio	Lower	Upper
93	100		
63	71.0	50.9	90.9
95	32.4	12.6	52.6

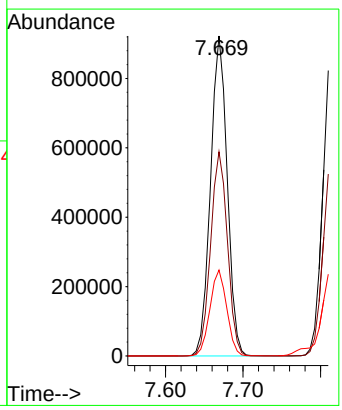


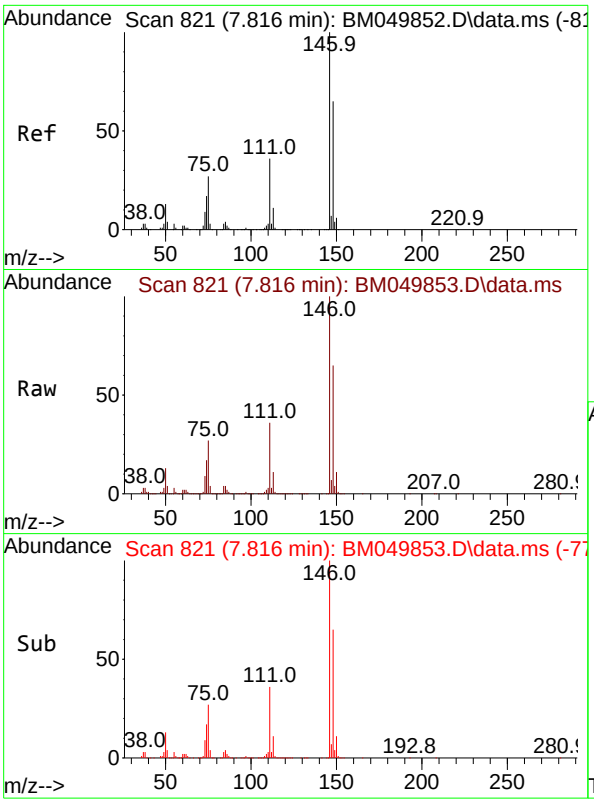


#12
1,3-Dichlorobenzene
Concen: 49.689 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:146 Resp: 1379847

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.5	78.7
75	26.8	22.5	33.7



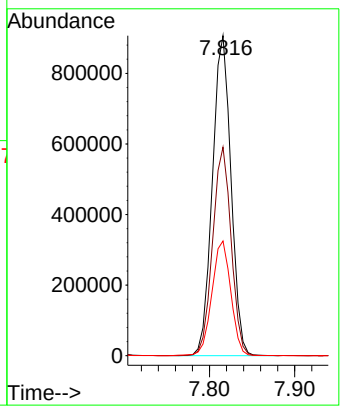


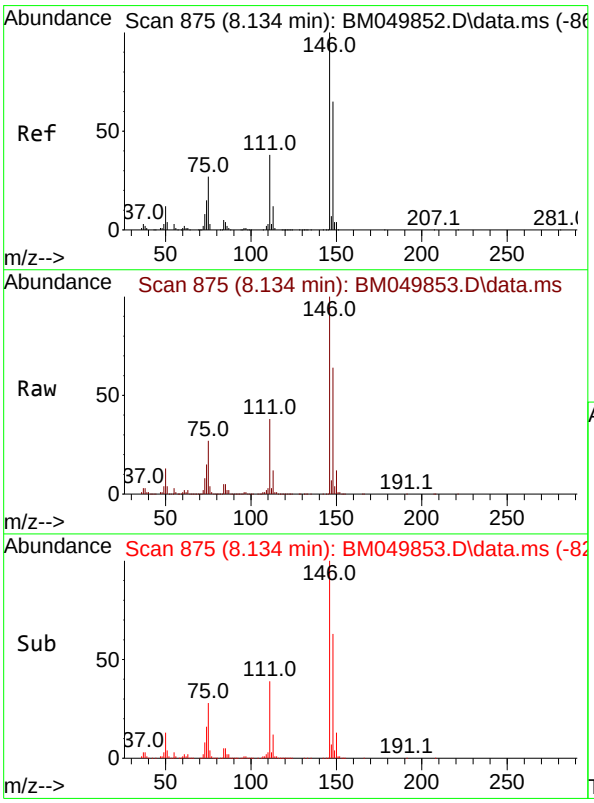
#13
1,4-Dichlorobenzene
Concen: 49.170 ng
RT: 7.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 1373896

Ion	Ratio	Lower	Upper
146	100		
148	65.2	52.4	78.6
111	35.8	28.5	42.7

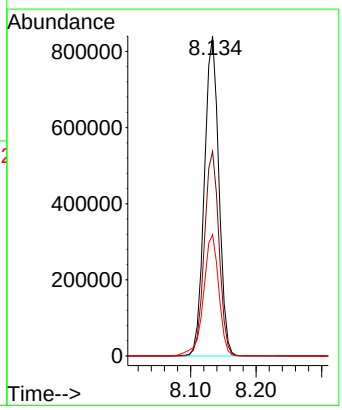


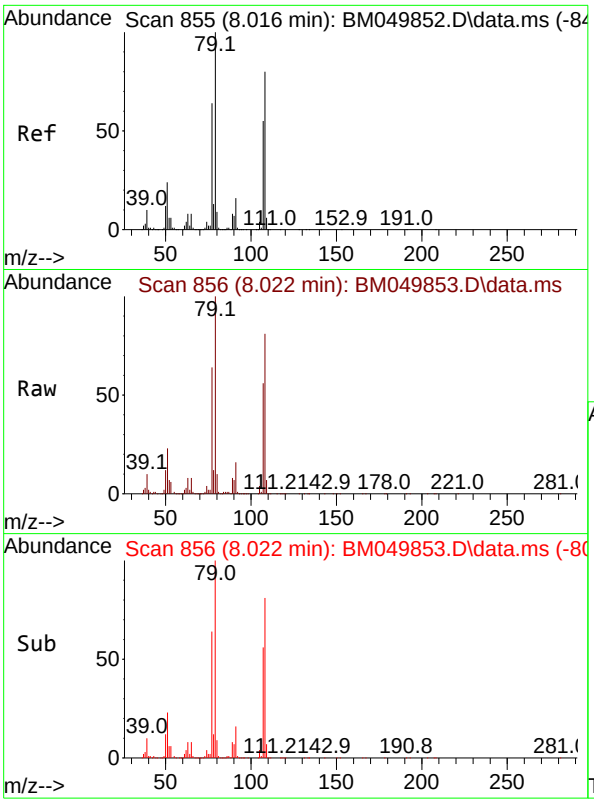


#14
1,2-Dichlorobenzene
Concen: 48.956 ng
RT: 8.134 min Scan# 875
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:146 Resp: 1288439

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.8	77.8
111	37.9	30.2	45.4



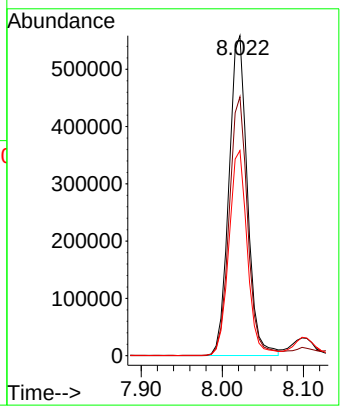


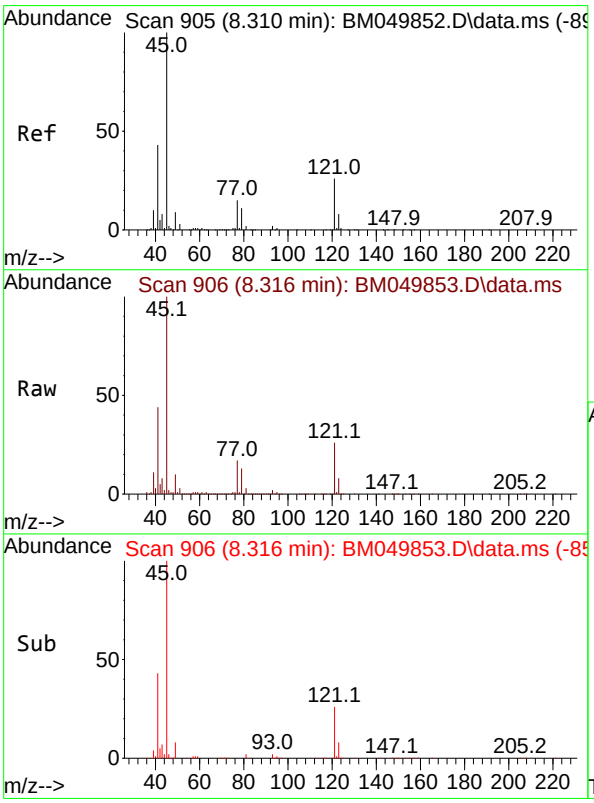
#15
Benzyl Alcohol
Concen: 48.969 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 879326

Ion	Ratio	Lower	Upper
79	100		
108	80.9	63.6	95.4
77	64.1	51.3	76.9

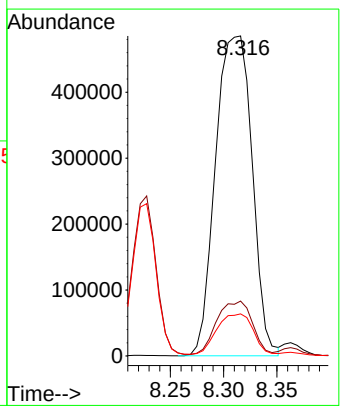


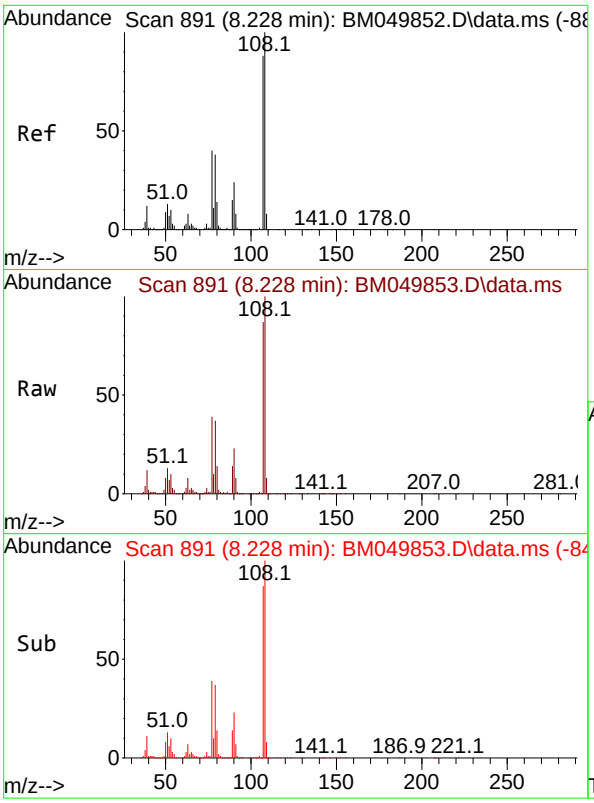


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.671 ng
RT: 8.316 min Scan# 906
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 45 Resp: 1159497

Ion	Ratio	Lower	Upper
45	100		
77	17.1	0.0	36.9
79	13.1	0.0	32.9



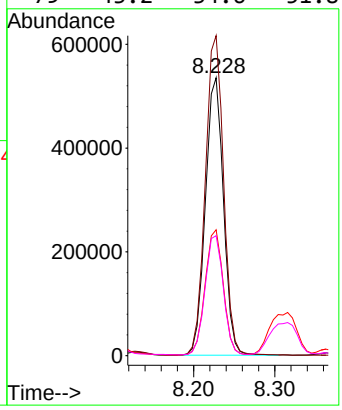


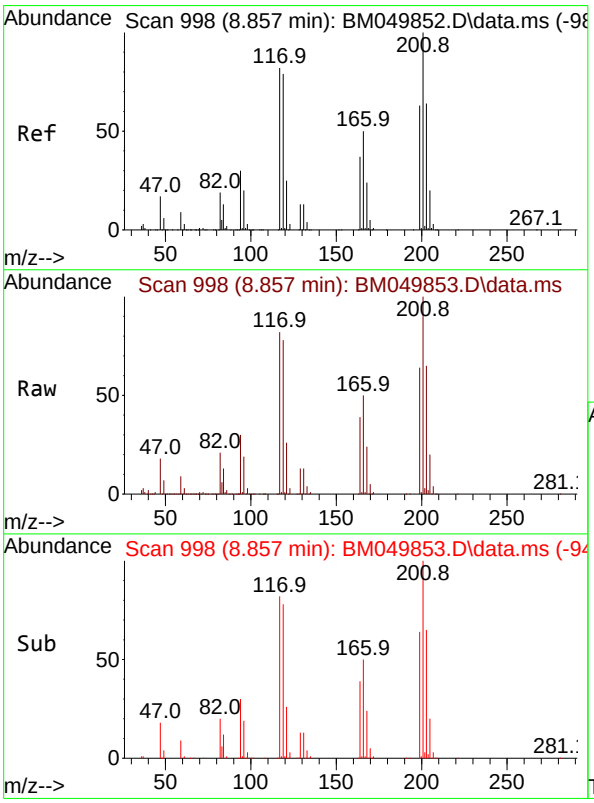
#17
2-Methylphenol
Concen: 48.234 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 827157

Ion	Ratio	Lower	Upper
107	100		
108	115.1	91.0	136.6
77	45.3	36.5	54.7
79	43.2	34.6	51.8

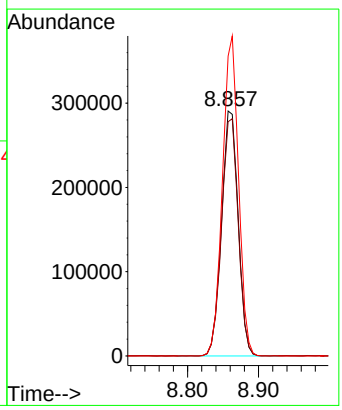


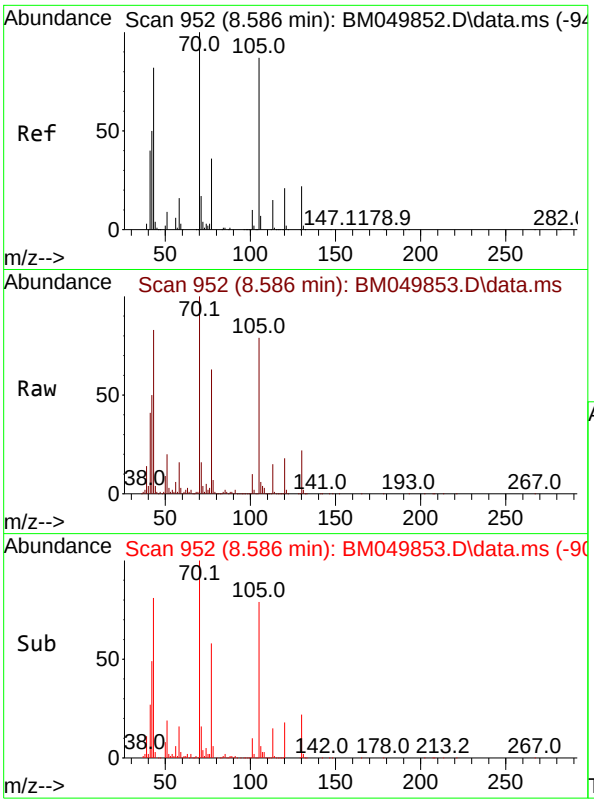


#18
Hexachloroethane
Concen: 48.633 ng
RT: 8.857 min Scan# 998
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:117 Resp: 472771

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.5	116.3
201	122.3	97.7	146.5



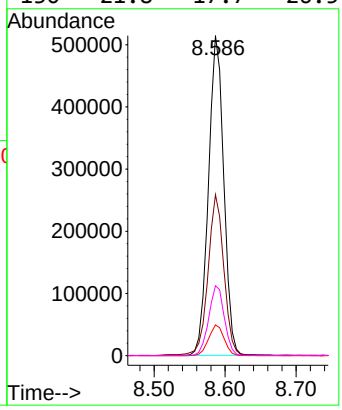


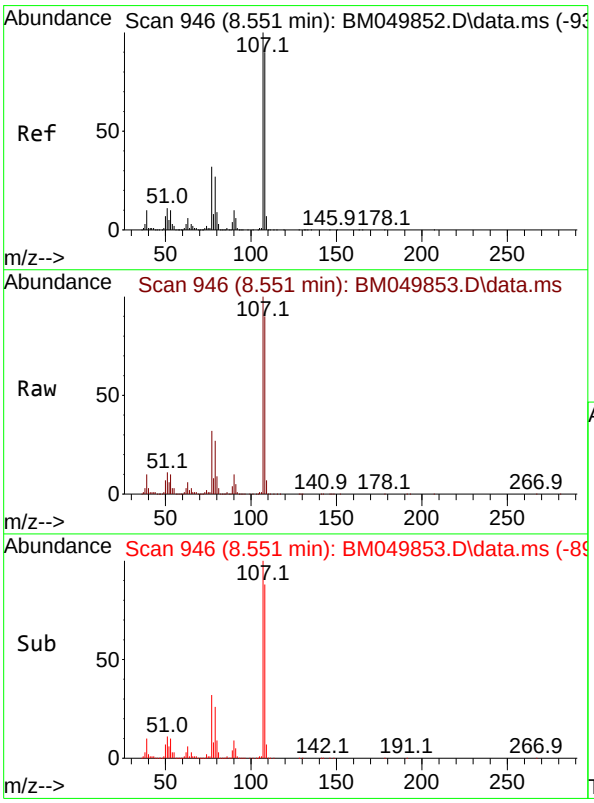
#19
n-Nitroso-di-n-propylamine
Concen: 48.837 ng
RT: 8.586 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 771317

Ion	Ratio	Lower	Upper
70	100		
42	50.3	40.2	60.2
101	9.6	7.9	11.9
130	21.8	17.7	26.5

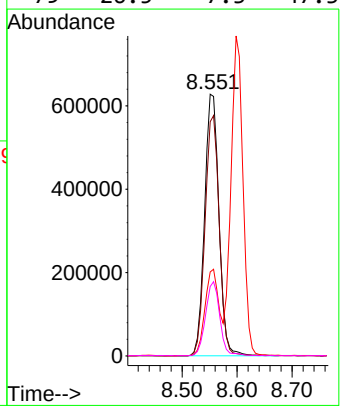


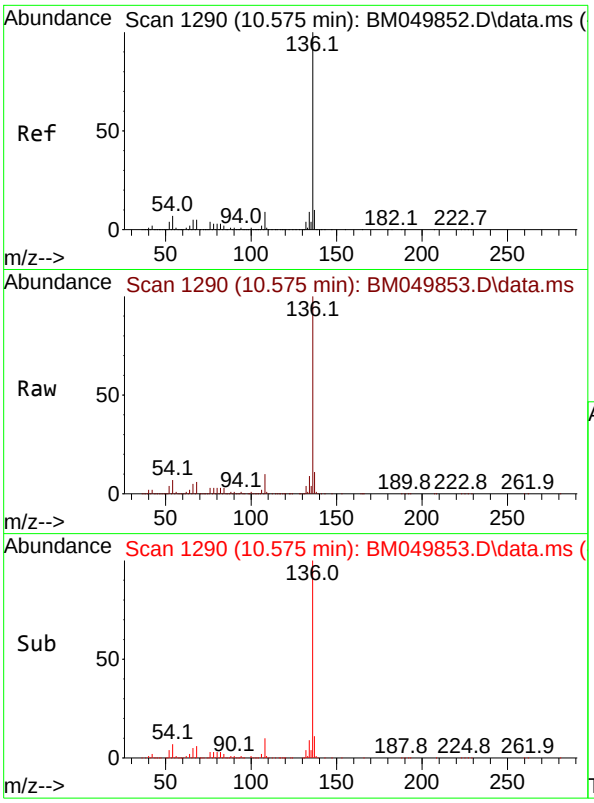


#20
3+4-Methylphenols
Concen: 48.694 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:107 Resp: 1138439

Ion	Ratio	Lower	Upper
107	100		
108	89.5	69.6	109.6
77	32.1	11.7	51.7
79	26.5	7.3	47.3



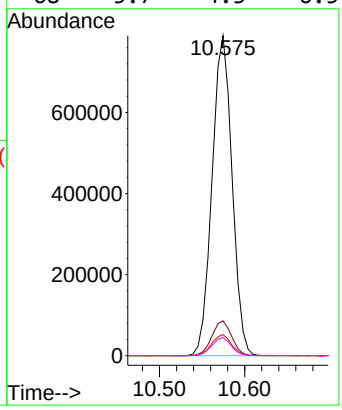


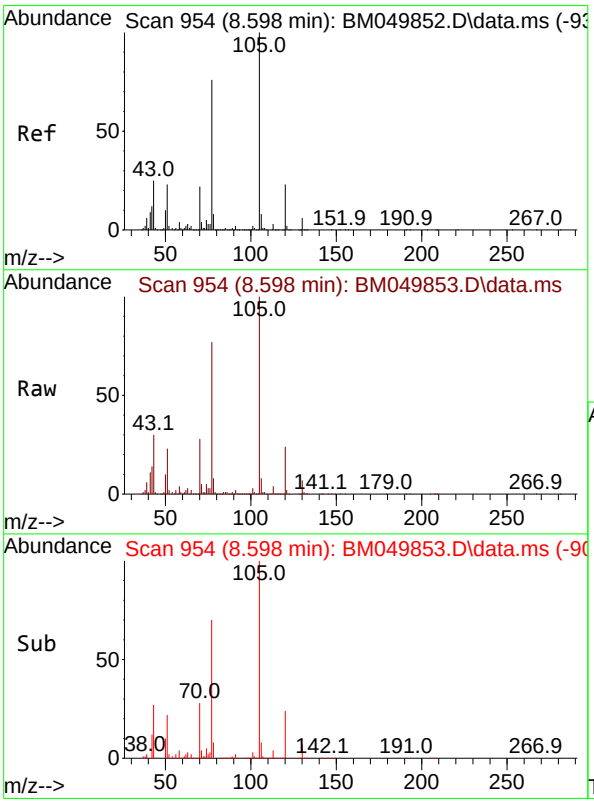
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 1287434

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	6.6	5.3	7.9
68	5.7	4.3	6.5

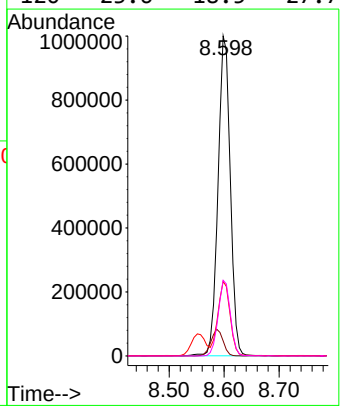


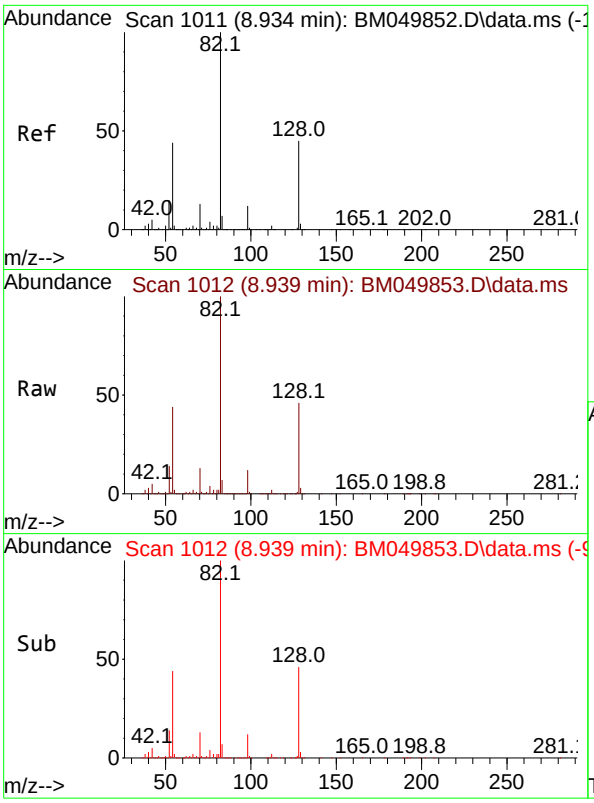


#22
Acetophenone
Concen: 49.544 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:105 Resp: 1550166

Ion	Ratio	Lower	Upper
105	100		
71	4.7	3.0	4.4#
51	23.3	18.6	27.8
120	23.6	18.5	27.7



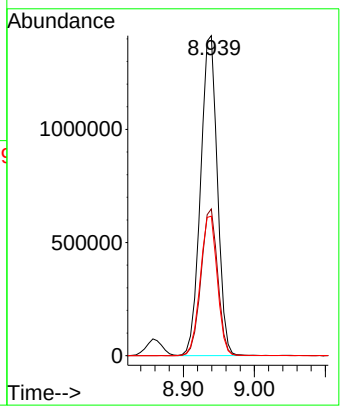


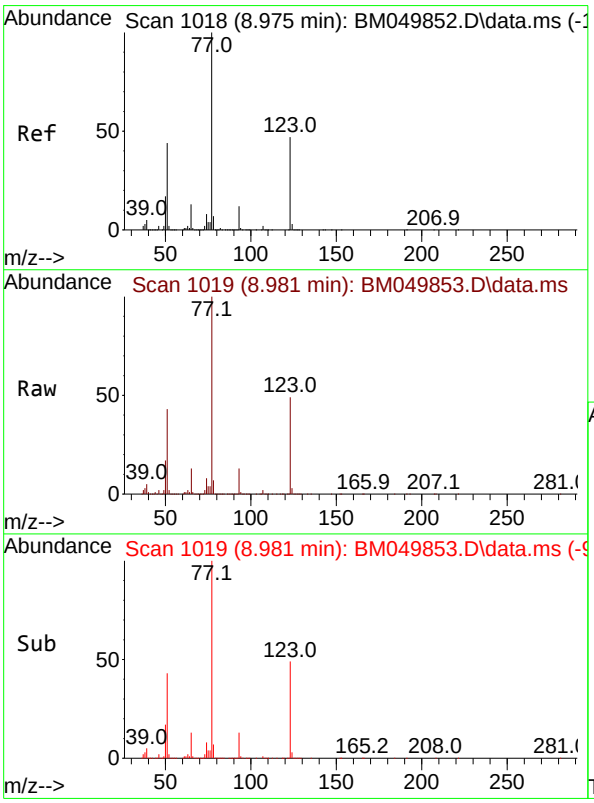
#23
Nitrobenzene-d5
Concen: 100.519 ng
RT: 8.939 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 2323989

Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.2	54.2
54	43.6	35.0	52.6

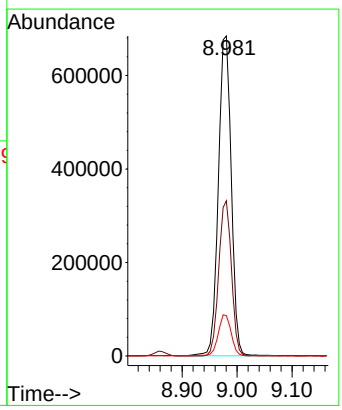


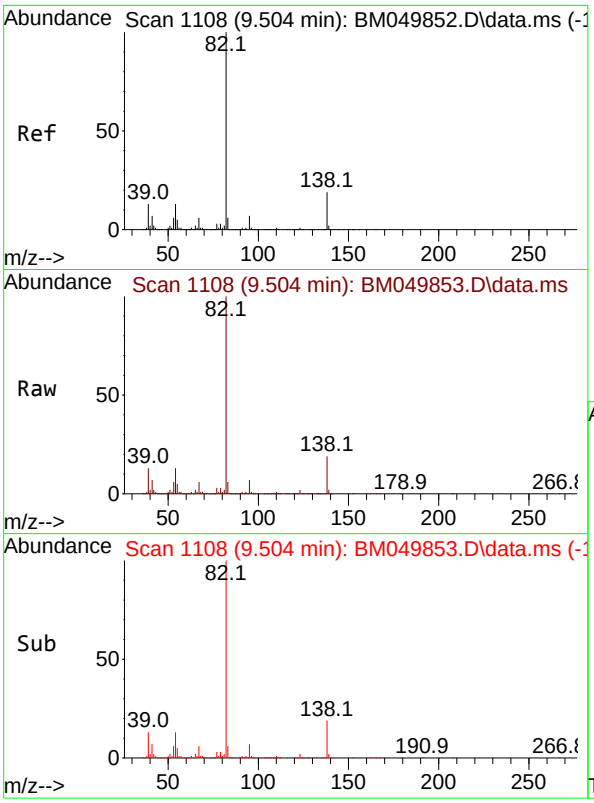


#24
Nitrobenzene
Concen: 49.935 ng
RT: 8.981 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 77 Resp: 1111675

Ion	Ratio	Lower	Upper
77	100		
123	48.5	37.4	56.2
65	12.6	10.1	15.1



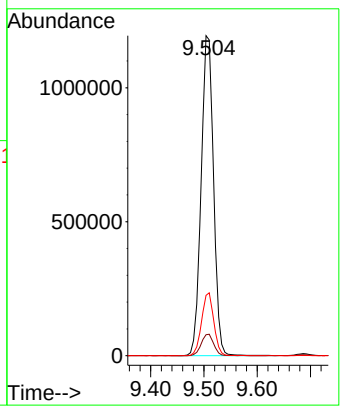


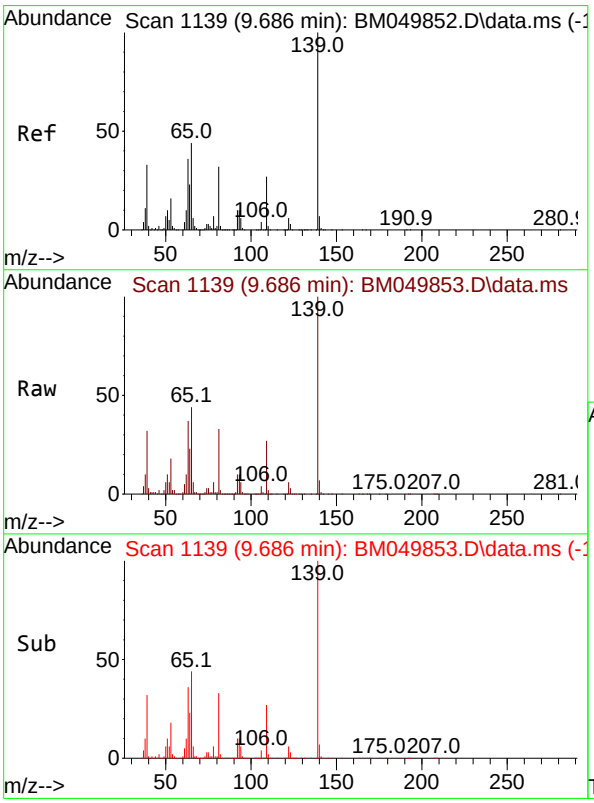
#25
Isophorone
Concen: 49.735 ng
RT: 9.504 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1926268

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	18.8	15.0	22.6

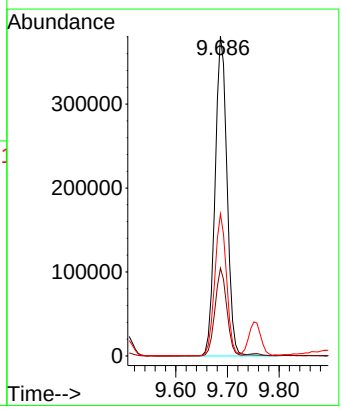


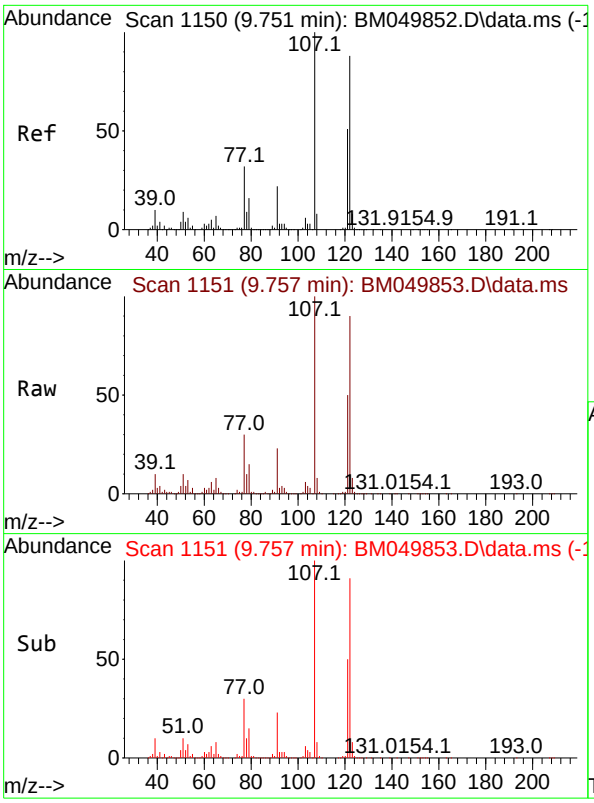


#26
2-Nitrophenol
Concen: 51.801 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:139 Resp: 611215

Ion	Ratio	Lower	Upper
139	100		
109	27.4	21.7	32.5
65	44.4	35.2	52.8



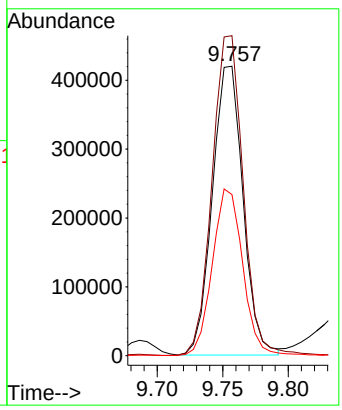


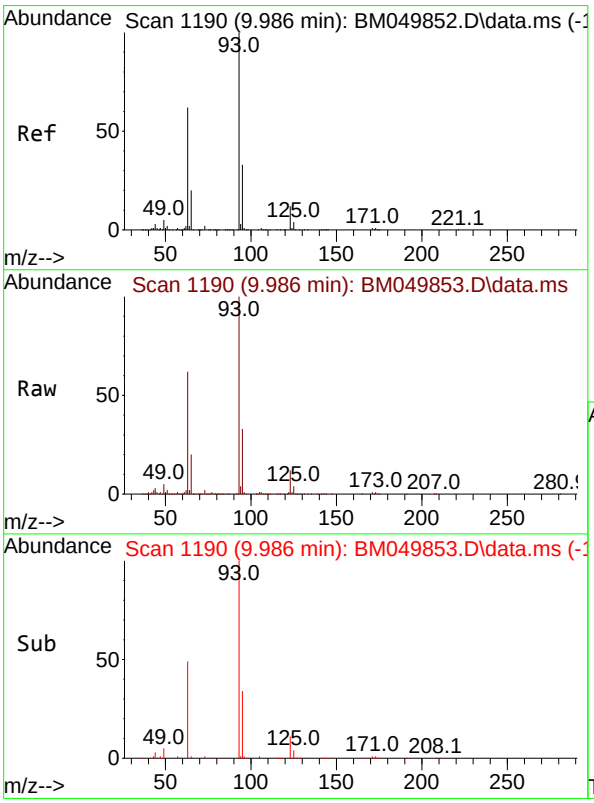
#27
2,4-Dimethylphenol
Concen: 51.053 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 682677

Ion	Ratio	Lower	Upper
122	100		
107	110.5	90.3	135.5
121	55.7	46.1	69.1

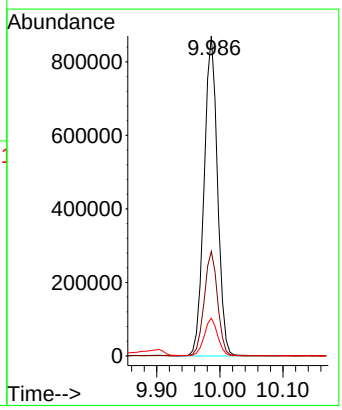


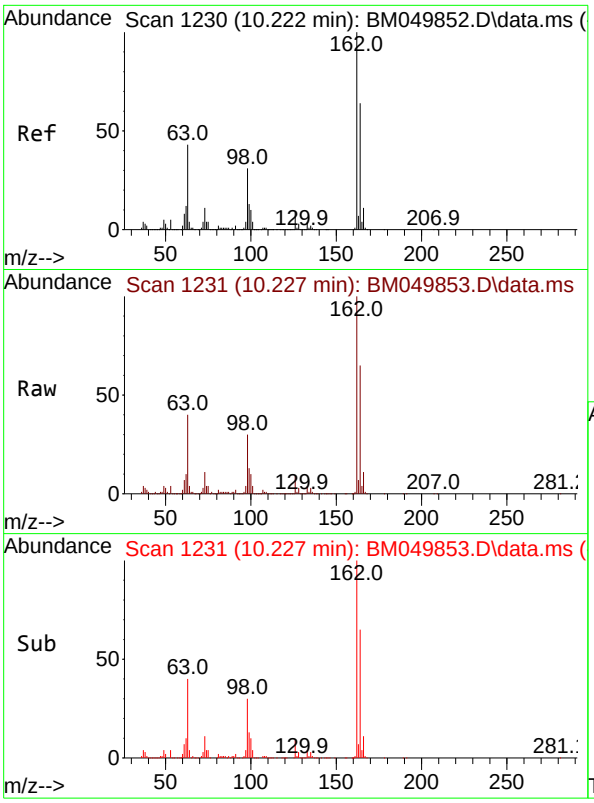


#28
bis(2-Chloroethoxy)methane
Concen: 49.510 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 93 Resp: 1283751

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.6	40.0
123	11.8	9.5	14.3



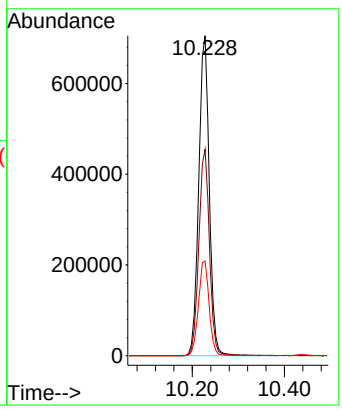


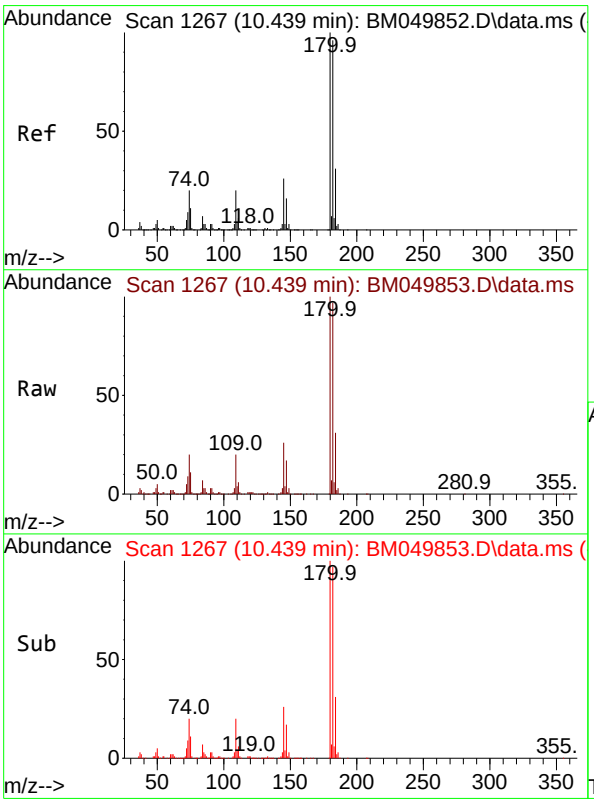
#29
2,4-Dichlorophenol
Concen: 50.582 ng
RT: 10.227 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1124321

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.3	84.3
98	29.6	10.9	50.9

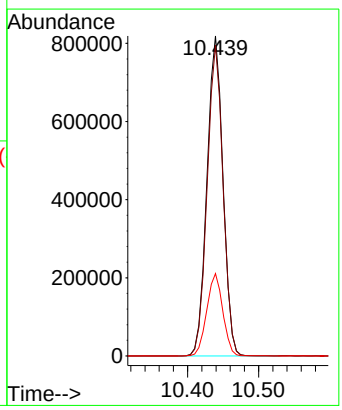


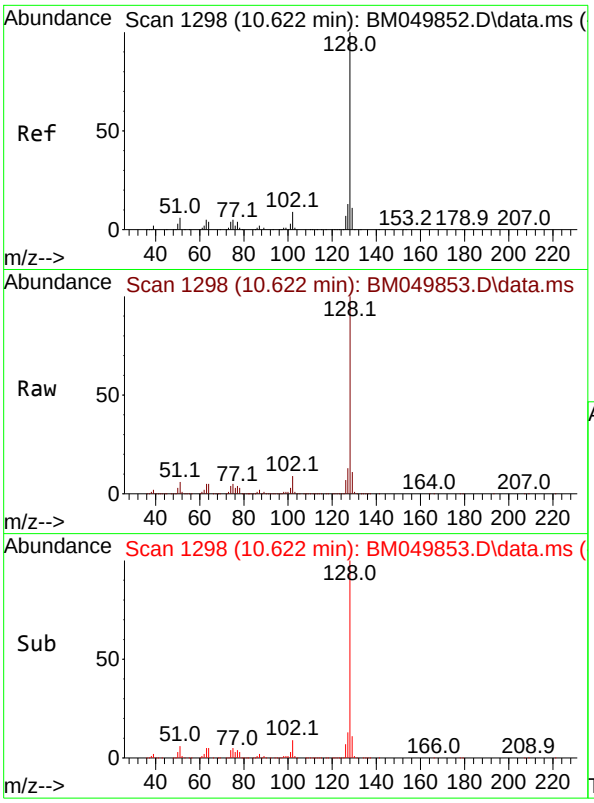


#30
1,2,4-Trichlorobenzene
Concen: 49.988 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:180 Resp: 1285402

Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.7	115.1
145	25.7	20.8	31.2



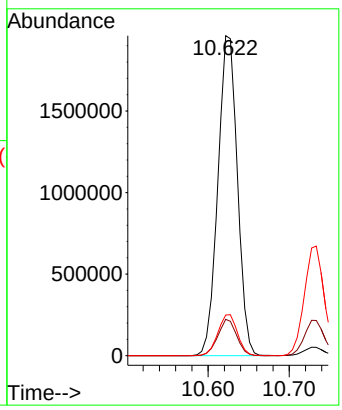


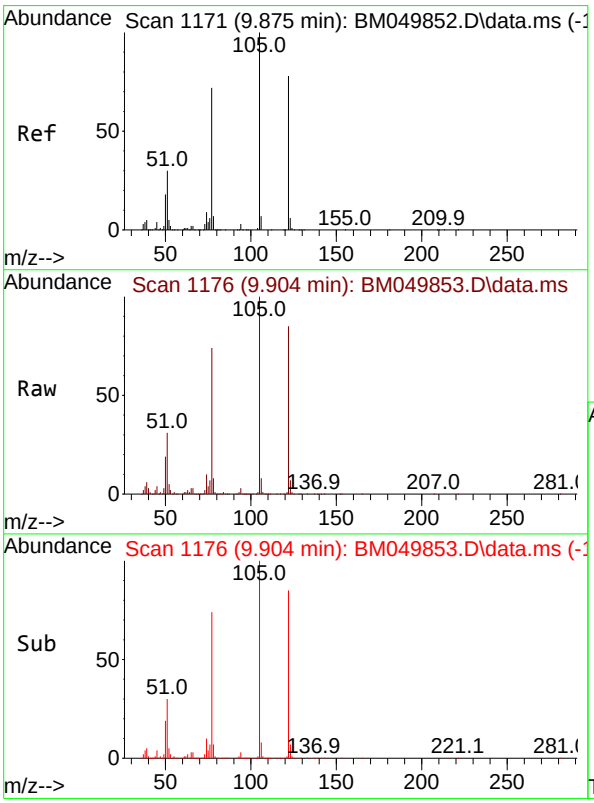
#31
Naphthalene
Concen: 49.555 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 3278244

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	12.7	10.6	15.8

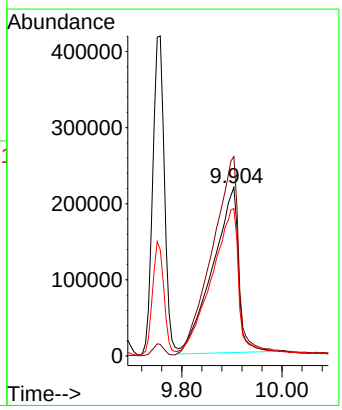


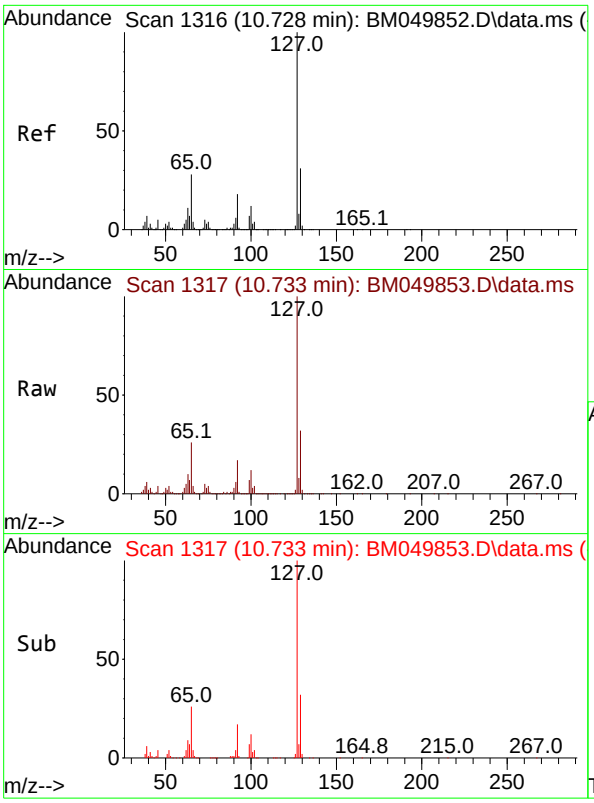


#32
Benzoic acid
Concen: 46.956 ng
RT: 9.904 min Scan# 1176
Delta R.T. 0.029 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:122 Resp: 773909

Ion	Ratio	Lower	Upper
122	100		
105	118.3	103.8	143.8
77	87.5	70.7	110.7



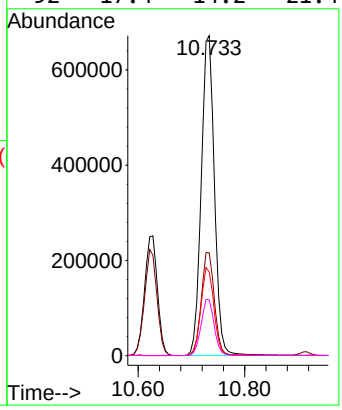


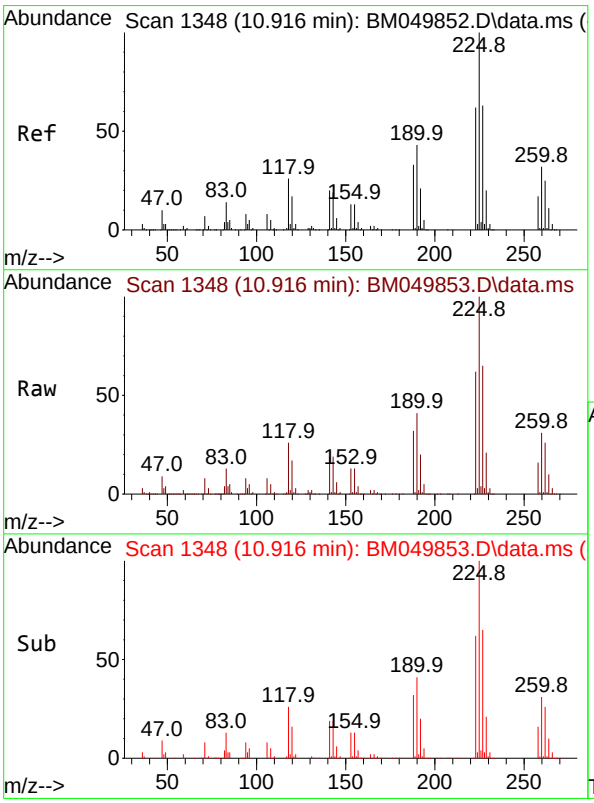
#33
4-Chloroaniline
Concen: 49.463 ng
RT: 10.733 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 1155438

Ion	Ratio	Lower	Upper
127	100		
129	32.2	24.9	37.3
65	26.2	22.4	33.6
92	17.4	14.2	21.4

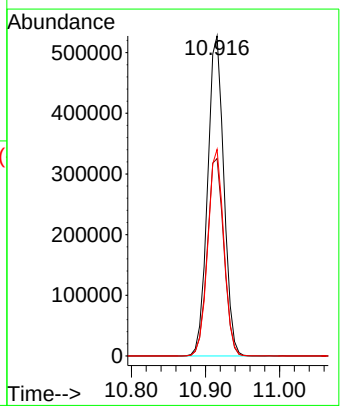


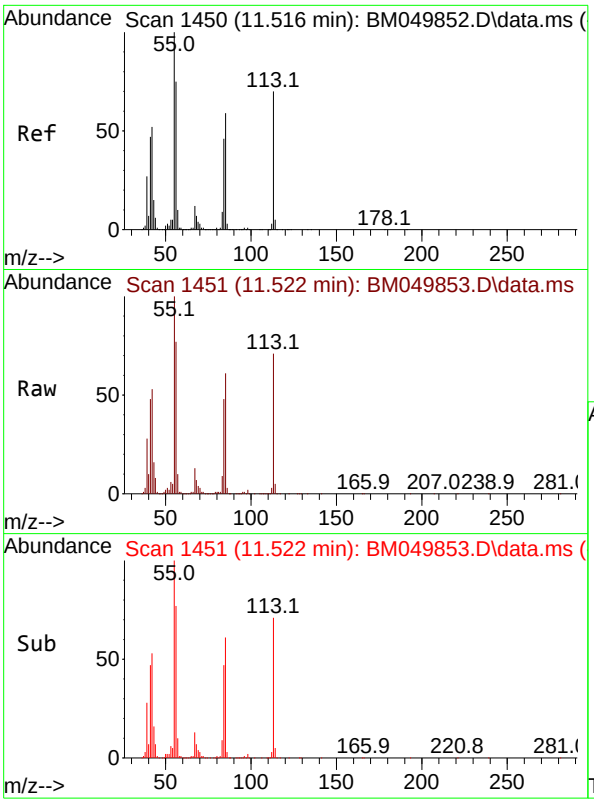


#34
Hexachlorobutadiene
Concen: 50.305 ng
RT: 10.916 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:225 Resp: 800154

Ion	Ratio	Lower	Upper
225	100		
223	61.7	49.4	74.2
227	64.5	50.1	75.1



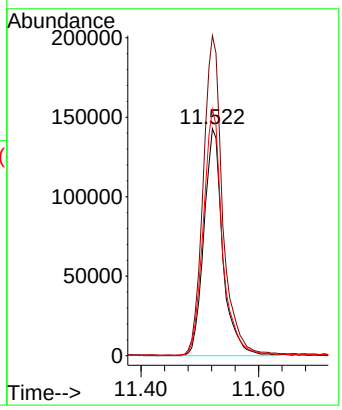


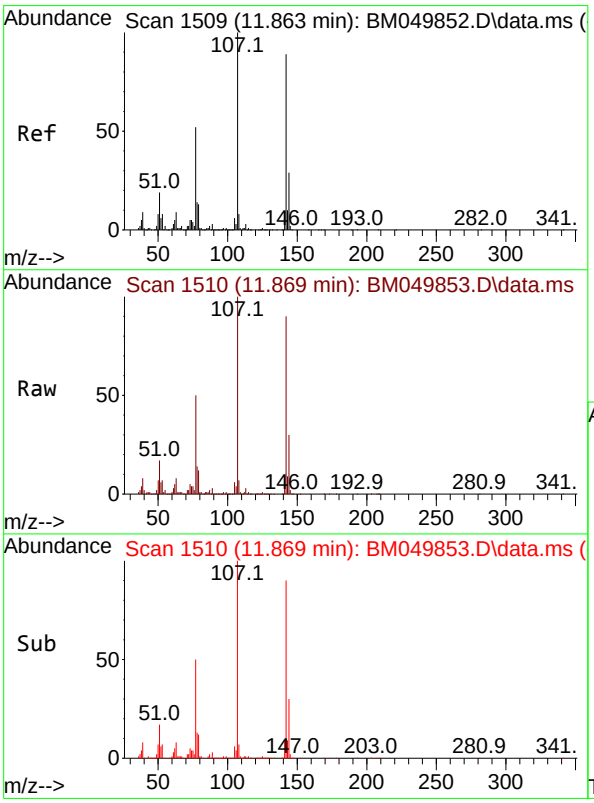
#35
Caprolactam
Concen: 49.794 ng
RT: 11.522 min Scan# 14
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 317444

Ion	Ratio	Lower	Upper
113	100		
55	140.9	124.3	164.3
56	108.5	87.5	127.5

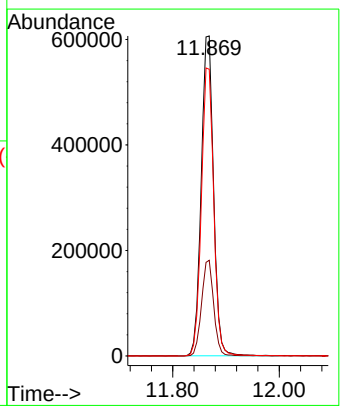


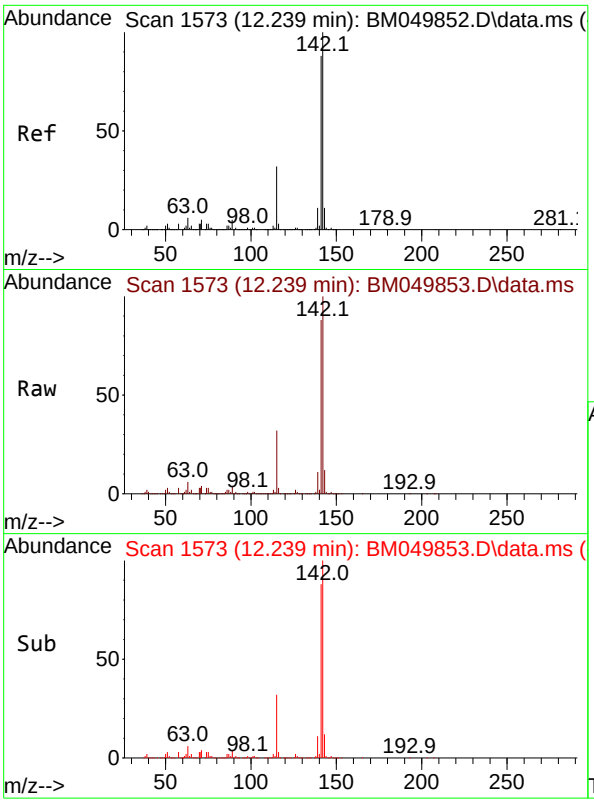


#36
4-Chloro-3-methylphenol
Concen: 50.022 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:107 Resp: 973959

Ion	Ratio	Lower	Upper
107	100		
144	29.9	23.6	35.4
142	89.6	71.4	107.0



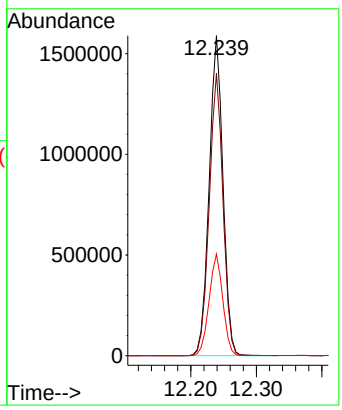


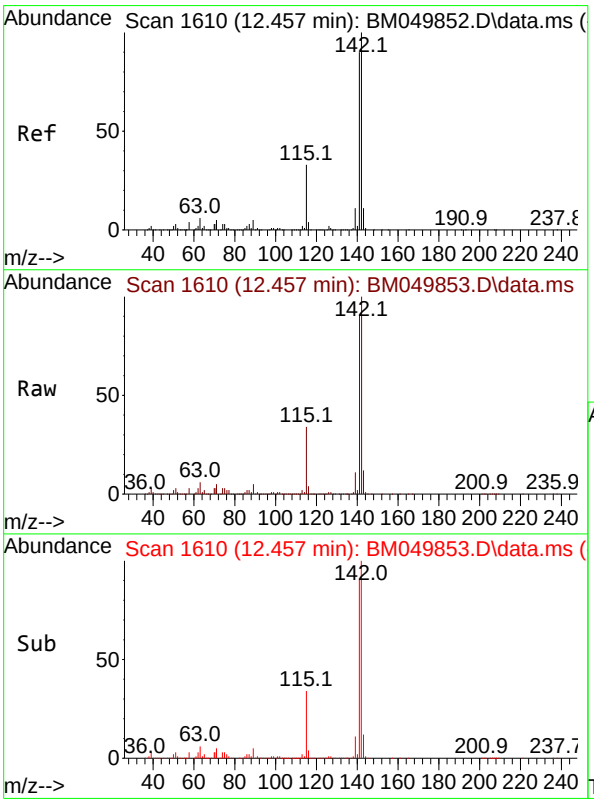
#37
2-Methylnaphthalene
Concen: 49.796 ng
RT: 12.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 2320947

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.2	105.2
115	31.7	25.4	38.2

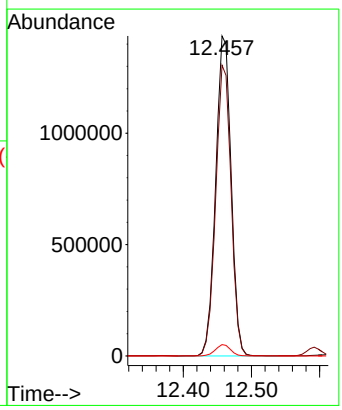


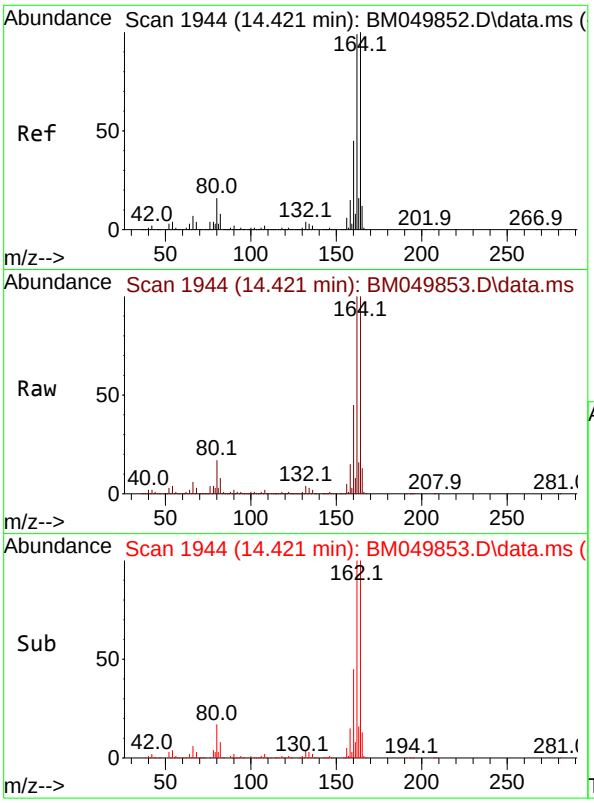


#38
1-Methylnaphthalene
Concen: 49.847 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:142 Resp: 2263493

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.2	108.2
116	3.5	2.9	4.3



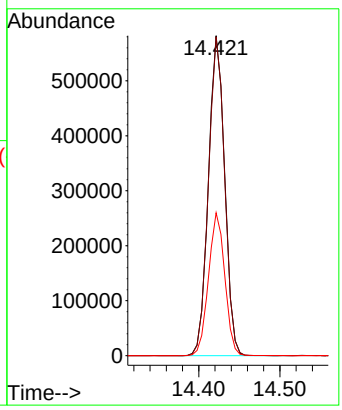


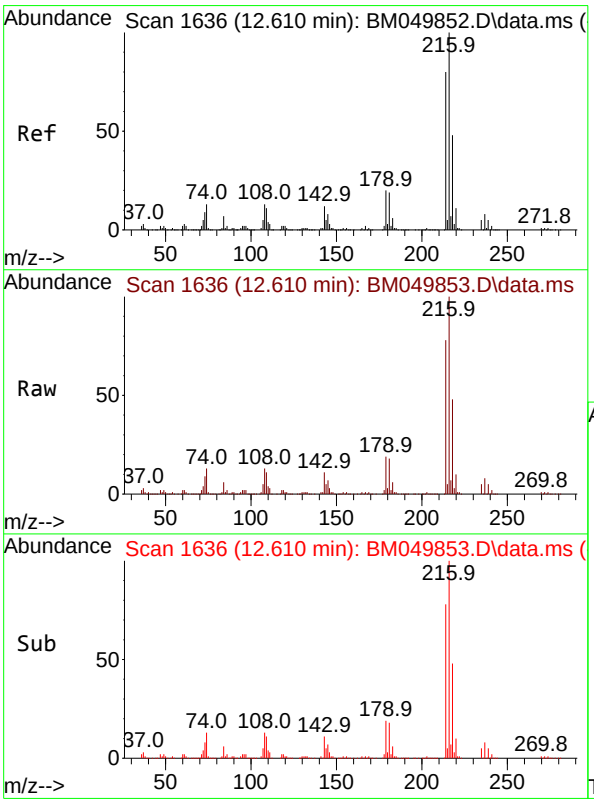
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 808126

Ion	Ratio	Lower	Upper
164	100		
162	99.6	79.4	119.0
160	44.6	36.2	54.2

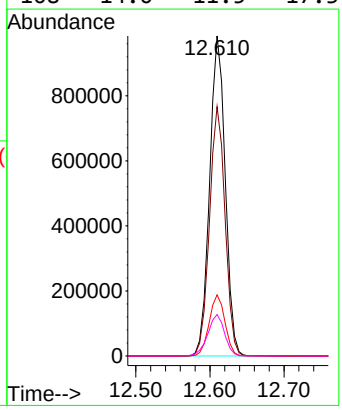


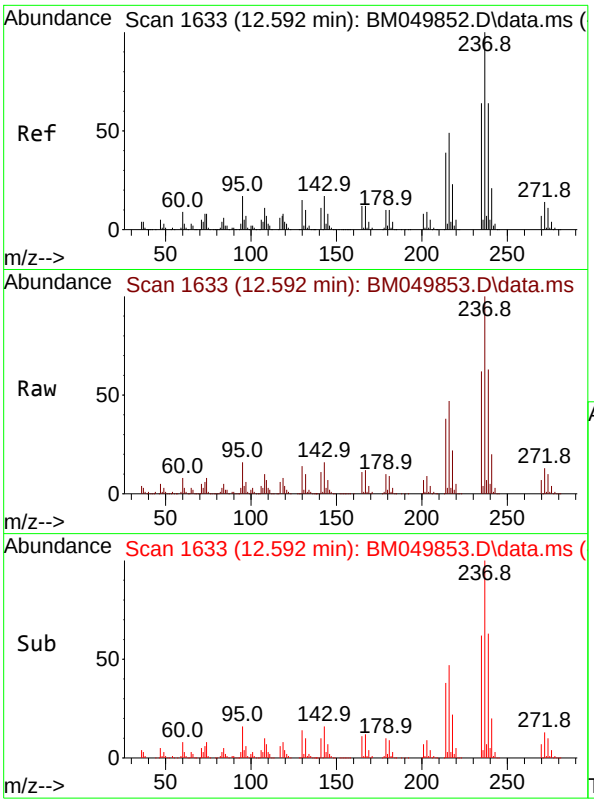


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.808 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:216 Resp: 1436460

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.2	94.8
179	19.3	15.8	23.6
108	14.0	11.5	17.3



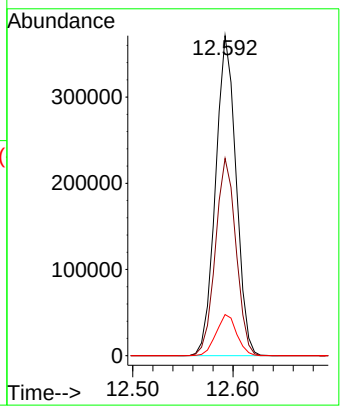


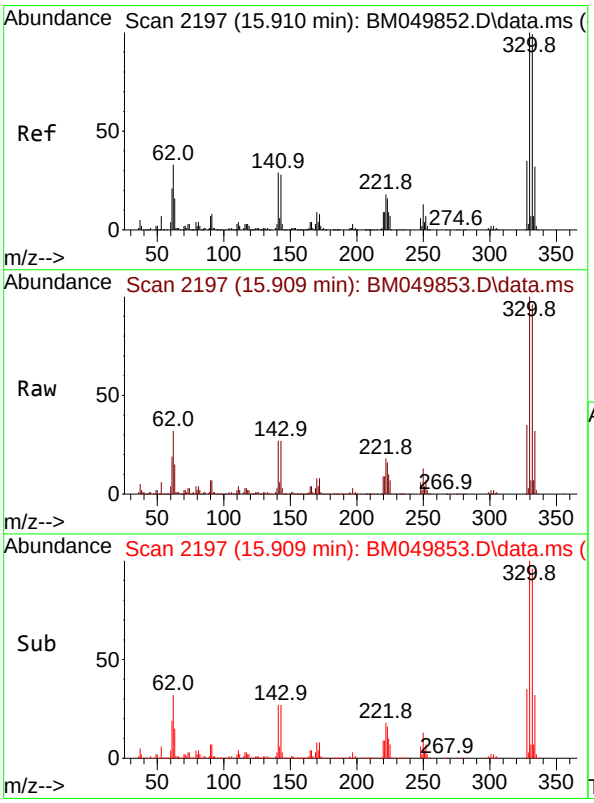
#41
Hexachlorocyclopentadiene
Concen: 53.108 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 526124

Ion	Ratio	Lower	Upper
237	100		
235	61.6	43.7	83.7
272	12.8	0.0	33.5

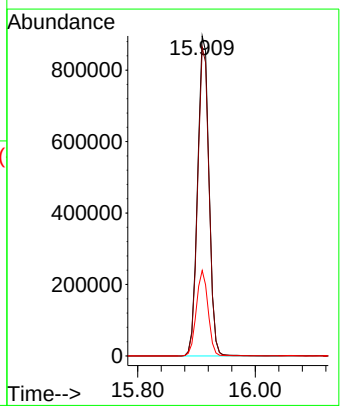


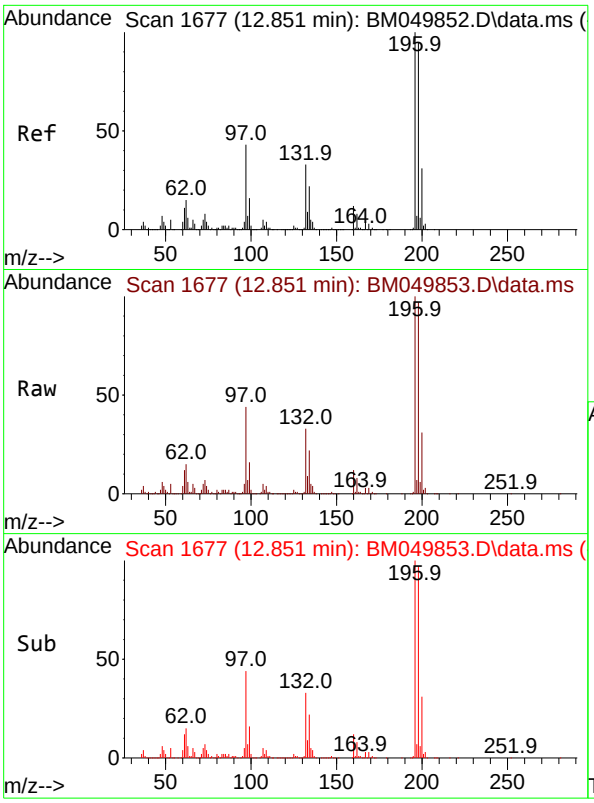


#42
2,4,6-Tribromophenol
Concen: 102.576 ng
RT: 15.909 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:330 Resp: 1205724

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.0	117.0
141	27.4	23.5	35.3



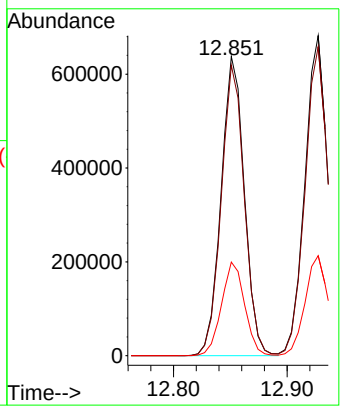


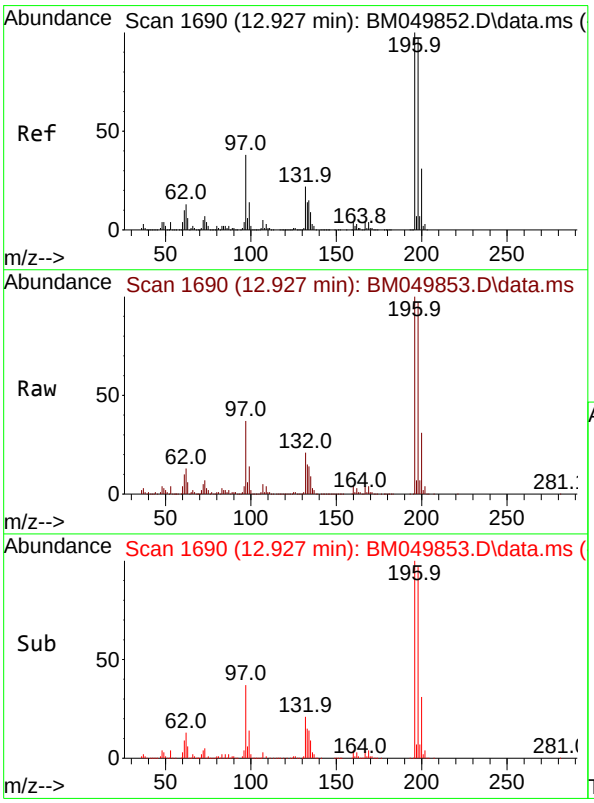
#43
2,4,6-Trichlorophenol
Concen: 50.440 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 907433

Ion	Ratio	Lower	Upper
196	100		
198	97.0	76.1	114.1
200	31.3	24.7	37.1

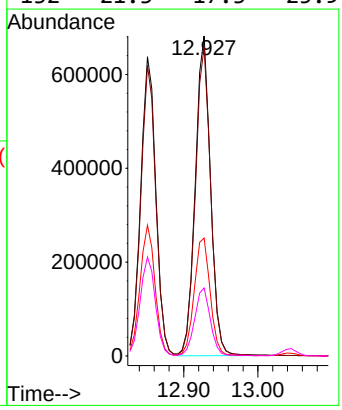


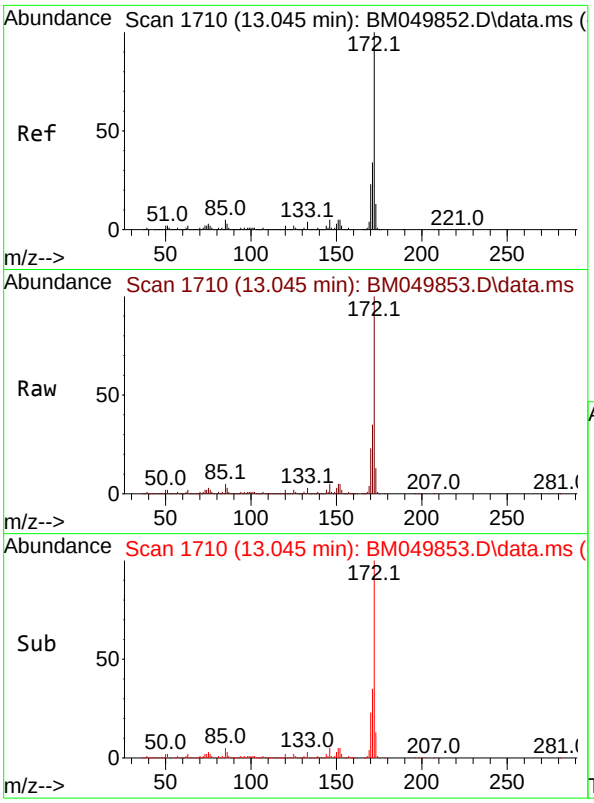


#44
2,4,5-Trichlorophenol
Concen: 49.927 ng
RT: 12.927 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:196 Resp: 976092

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.7	116.5
97	36.9	30.3	45.5
132	21.3	17.3	25.9



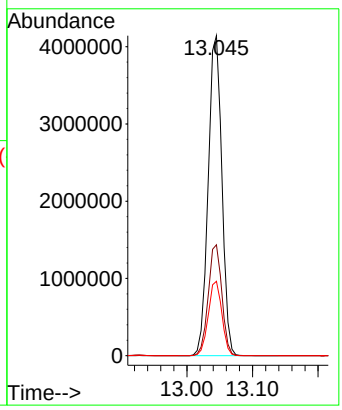


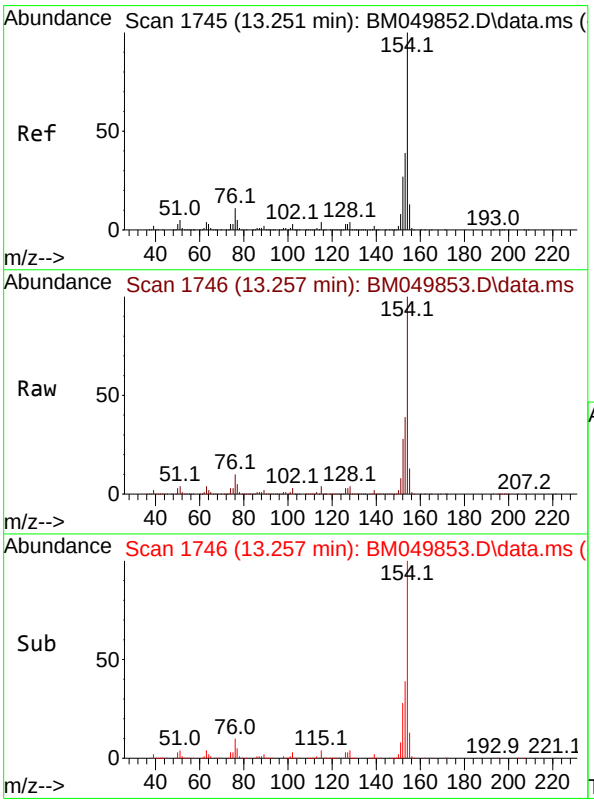
#45
2-Fluorobiphenyl
Concen: 100.754 ng
RT: 13.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 6004539

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.4	41.2
170	23.3	18.6	28.0

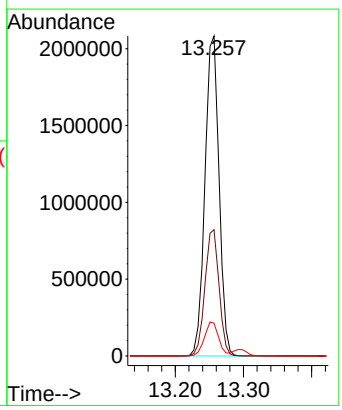


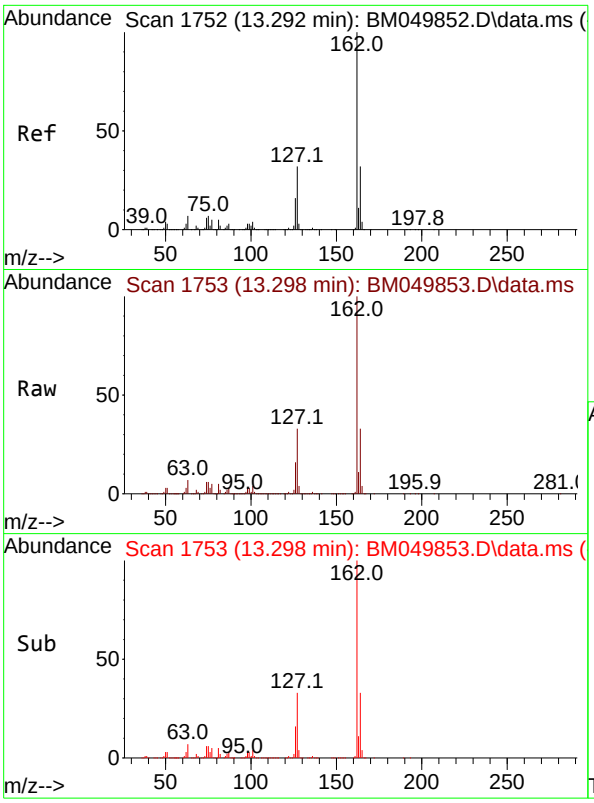


#46
1,1'-Biphenyl
Concen: 49.778 ng
RT: 13.257 min Scan# 1746
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:154 Resp: 2990362

Ion	Ratio	Lower	Upper
154	100		
153	39.4	19.3	59.3
76	10.2	0.0	30.7



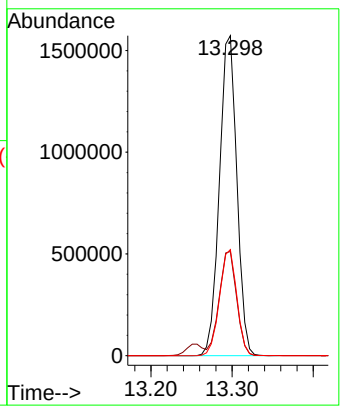


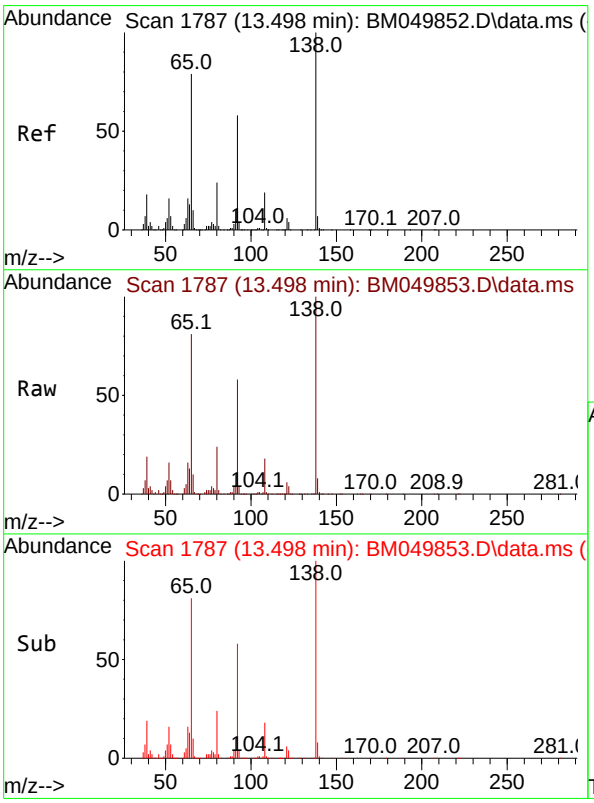
#47
2-Chloronaphthalene
Concen: 49.767 ng
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 2349832

Ion	Ratio	Lower	Upper
162	100		
127	32.6	26.0	39.0
164	33.2	25.9	38.9

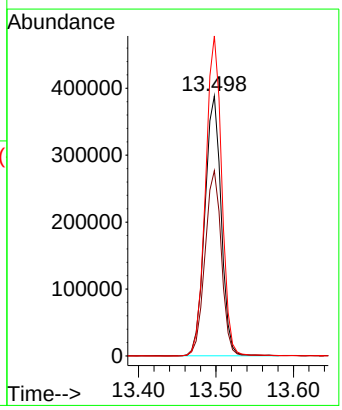


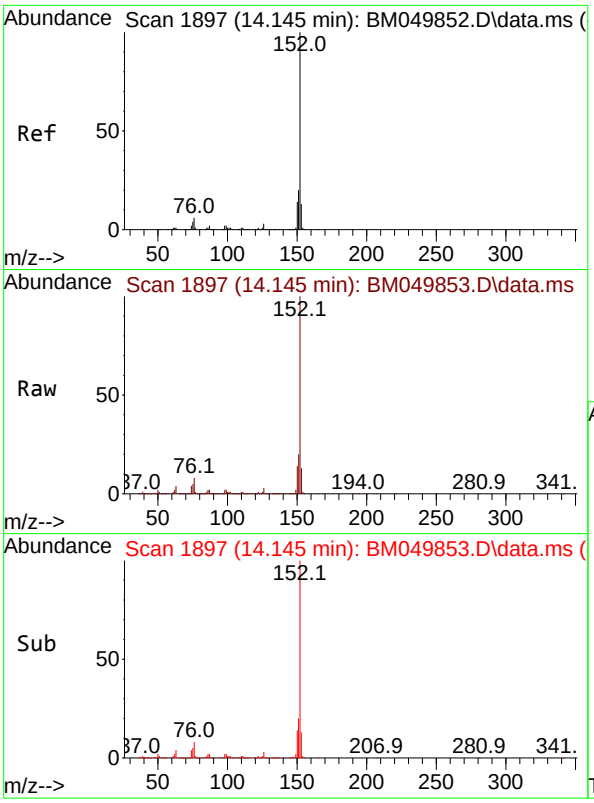


#48
2-Nitroaniline
Concen: 52.061 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion: 65 Resp: 568681

Ion	Ratio	Lower	Upper
65	100		
92	71.3	58.4	87.6
138	123.1	100.8	151.2



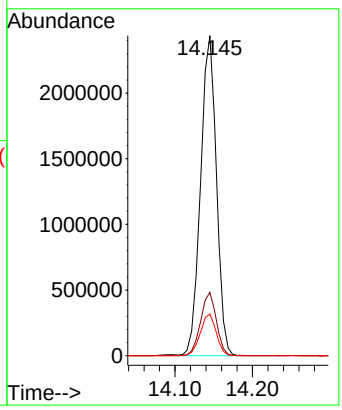


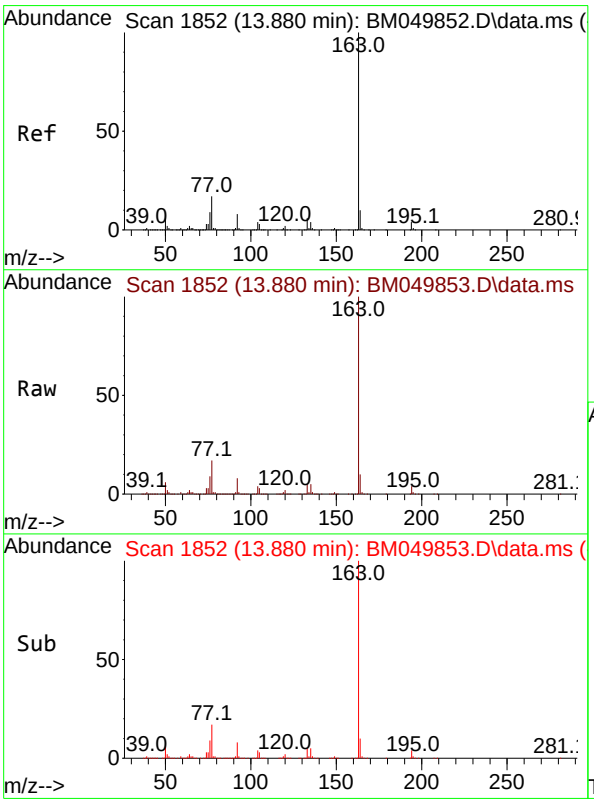
#49
Acenaphthylene
Concen: 50.260 ng
RT: 14.145 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 3456837

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.0	10.4	15.6

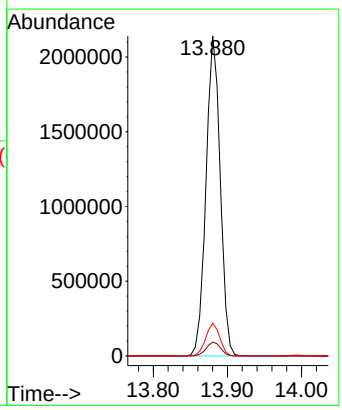


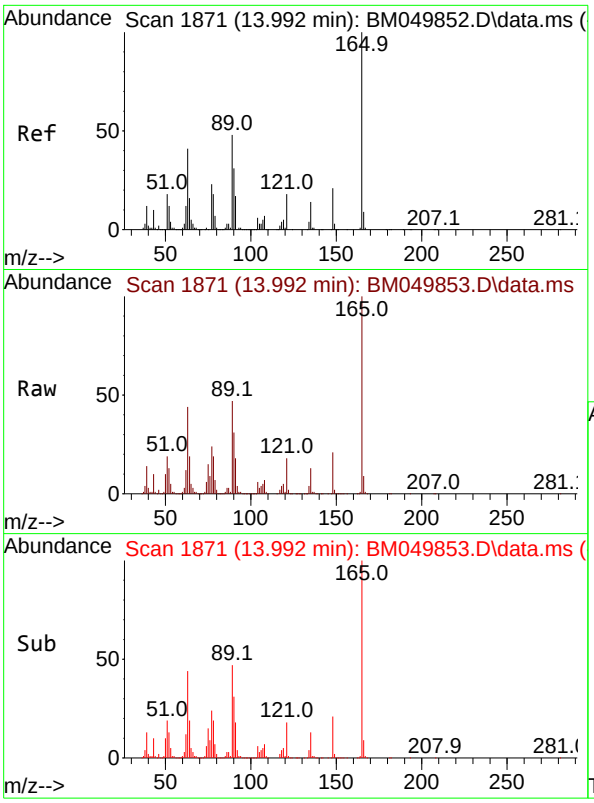


#50
Dimethylphthalate
Concen: 49.993 ng
RT: 13.880 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:163 Resp: 2850200

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.2	7.9	11.9



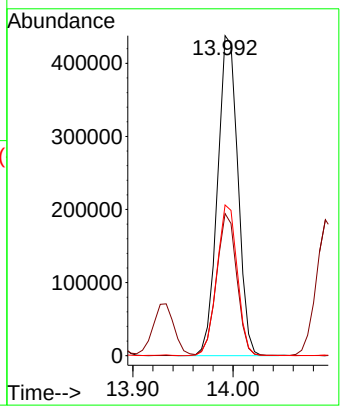


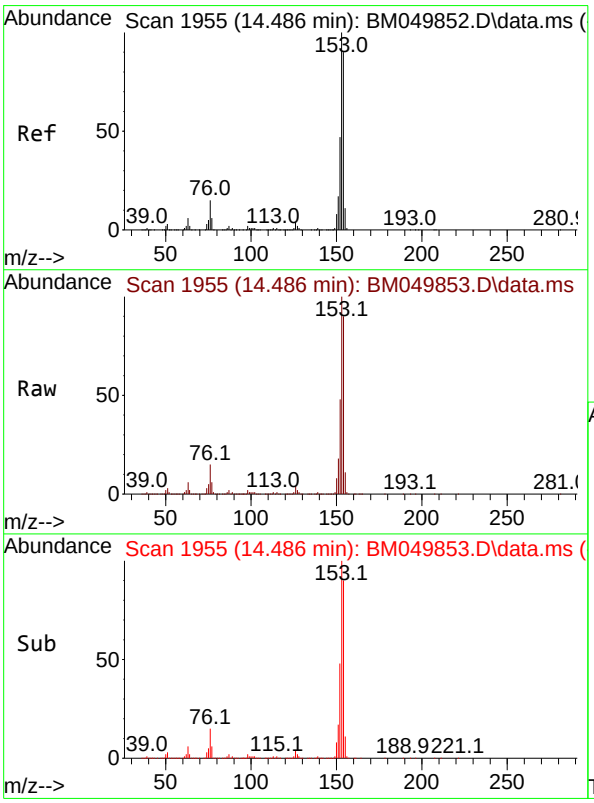
#51
2,6-Dinitrotoluene
Concen: 51.646 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 616905

Ion	Ratio	Lower	Upper
165	100		
63	44.4	36.1	54.1
89	47.1	38.3	57.5

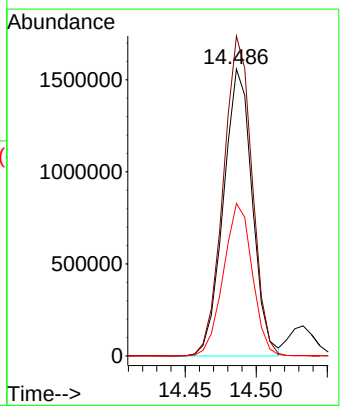


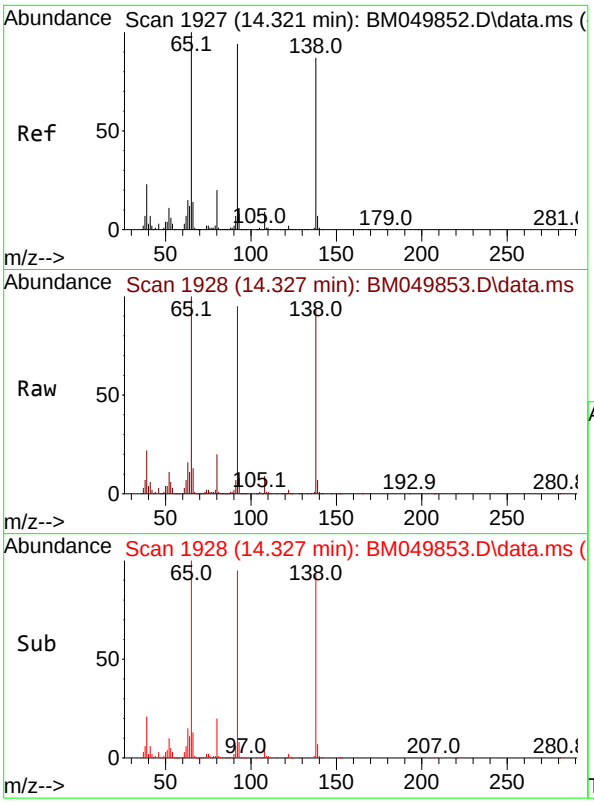


#52
Acenaphthene
Concen: 50.284 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:154 Resp: 2199854

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.3	133.9
152	53.2	42.2	63.2



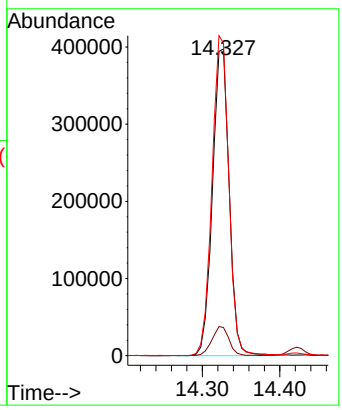


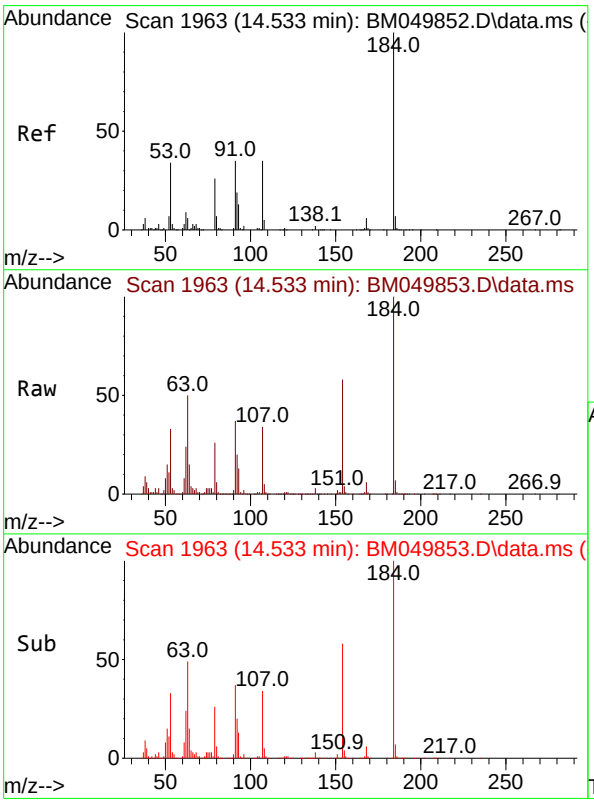
#53
3-Nitroaniline
Concen: 51.595 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 595646

Ion	Ratio	Lower	Upper
138	100		
108	9.2	8.1	12.1
92	101.9	86.5	129.7

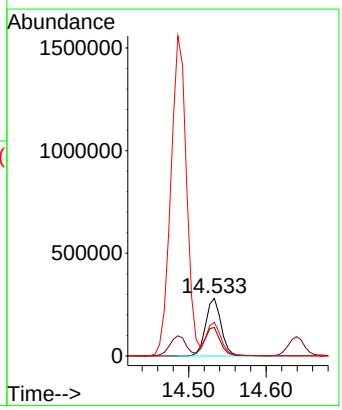


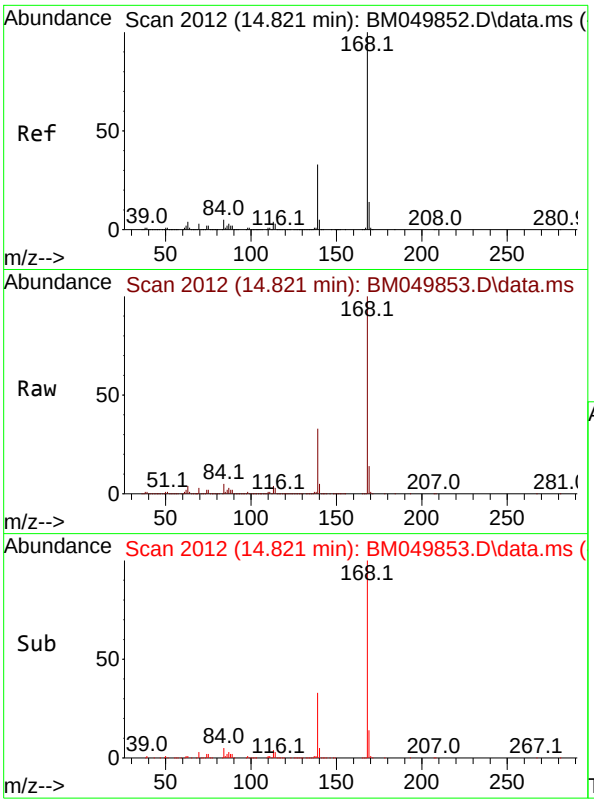


#54
2,4-Dinitrophenol
Concen: 48.434 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:184 Resp: 391855

Ion	Ratio	Lower	Upper
184	100		
63	49.5	38.4	57.6
154	58.3	48.1	72.1



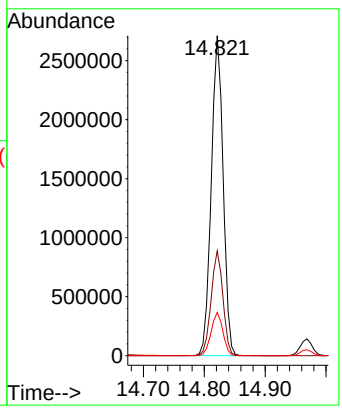


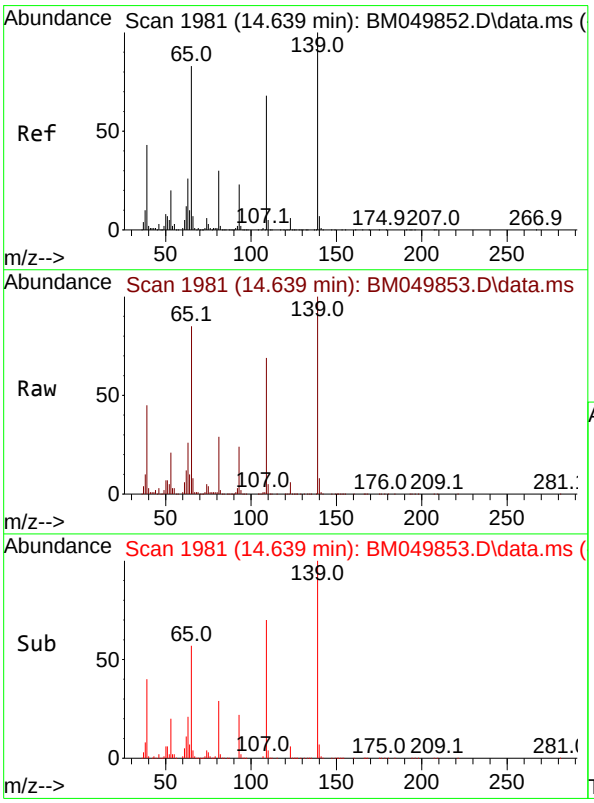
#55
Dibenzofuran
Concen: 50.151 ng
RT: 14.821 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 3667823

Ion	Ratio	Lower	Upper
168	100		
139	32.7	26.6	39.8
169	13.5	11.0	16.4

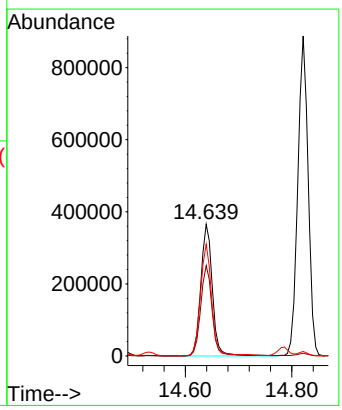


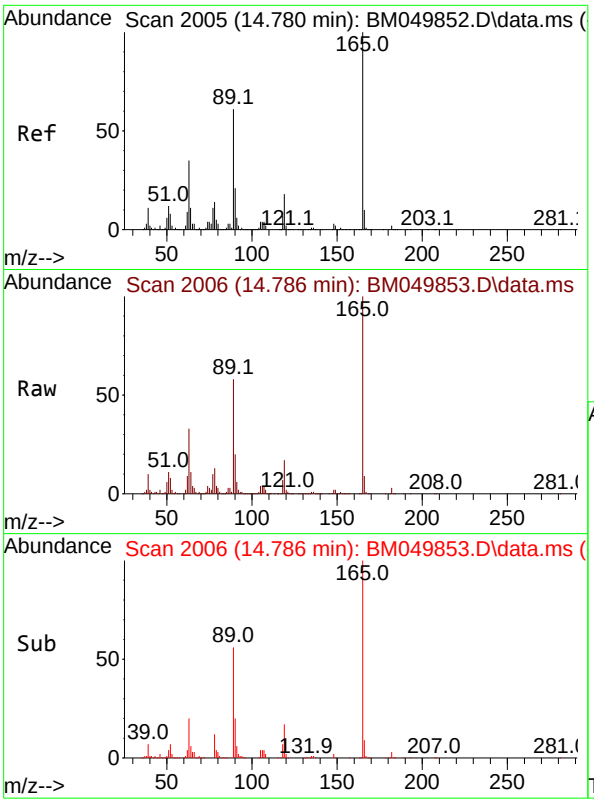


#56
4-Nitrophenol
Concen: 53.540 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:139 Resp: 550813

Ion	Ratio	Lower	Upper
139	100		
109	68.6	47.9	87.9
65	84.8	62.7	102.7



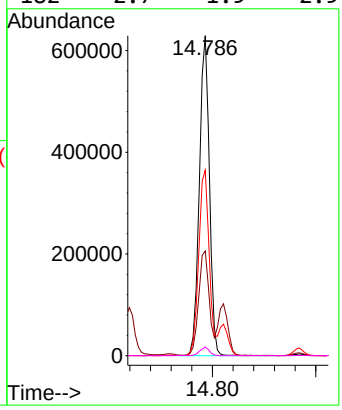


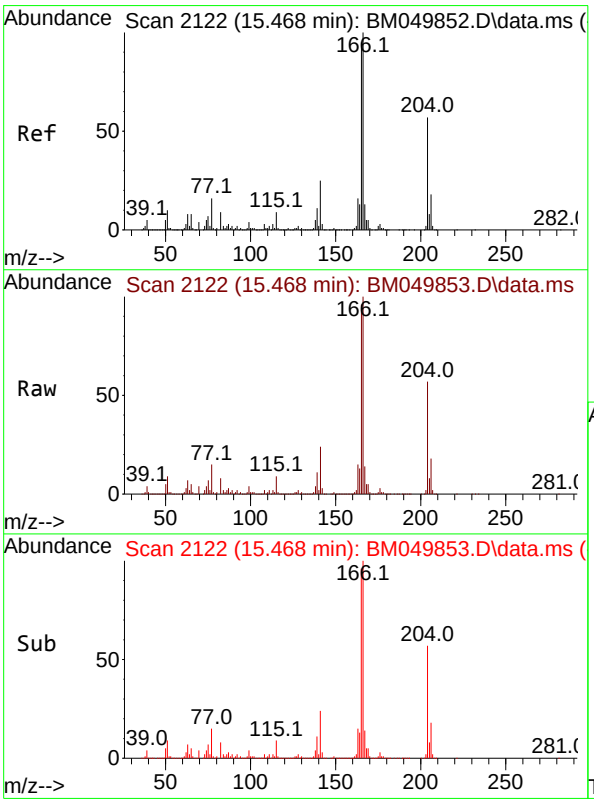
#57
2,4-Dinitrotoluene
Concen: 53.211 ng
RT: 14.786 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 847929

Ion	Ratio	Lower	Upper
165	100		
63	32.7	28.6	42.8
89	57.9	49.0	73.6
182	2.7	1.9	2.9

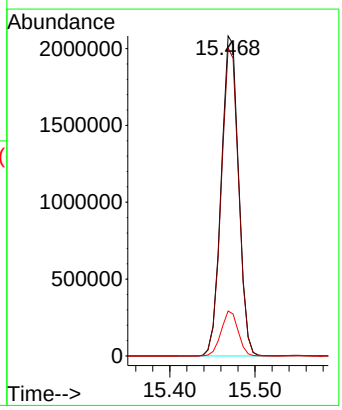


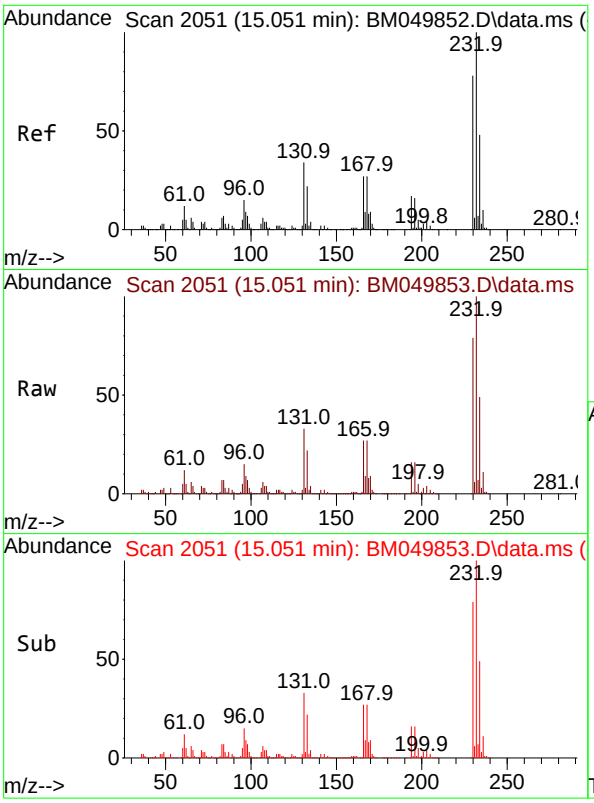


#58
Fluorene
Concen: 50.613 ng
RT: 15.468 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:166 Resp: 2942325

Ion	Ratio	Lower	Upper
166	100		
165	96.3	76.3	114.5
167	14.0	10.7	16.1



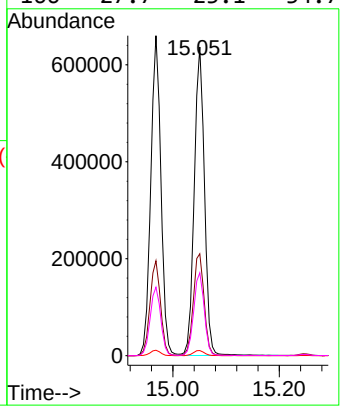


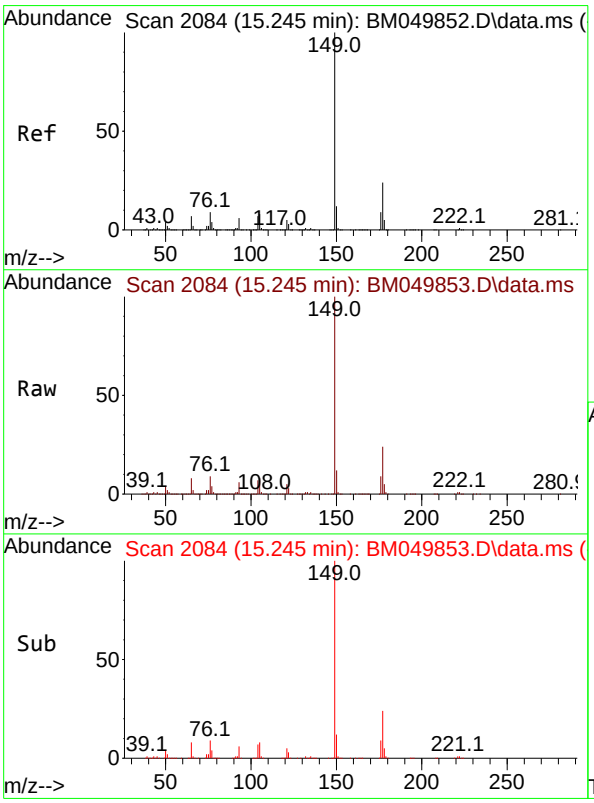
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.519 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 848529

Ion	Ratio	Lower	Upper
232	100		
131	34.7	28.4	42.6
130	1.8	1.6	2.4
166	27.7	23.1	34.7

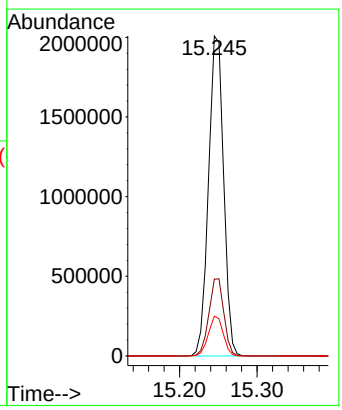


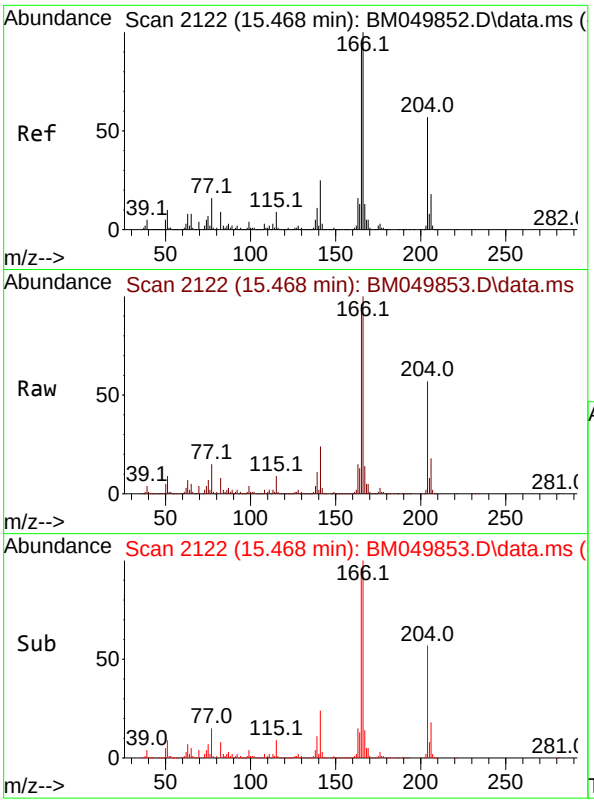


#60
Diethylphthalate
Concen: 49.792 ng
RT: 15.245 min Scan# 2084
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:149 Resp: 2722291

Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.0	28.4
150	12.5	9.7	14.5



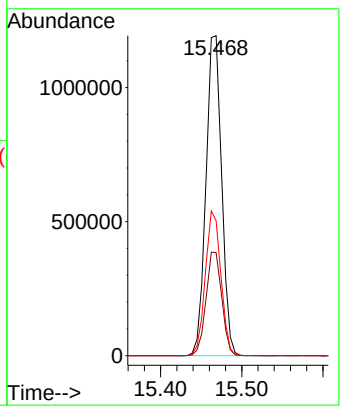


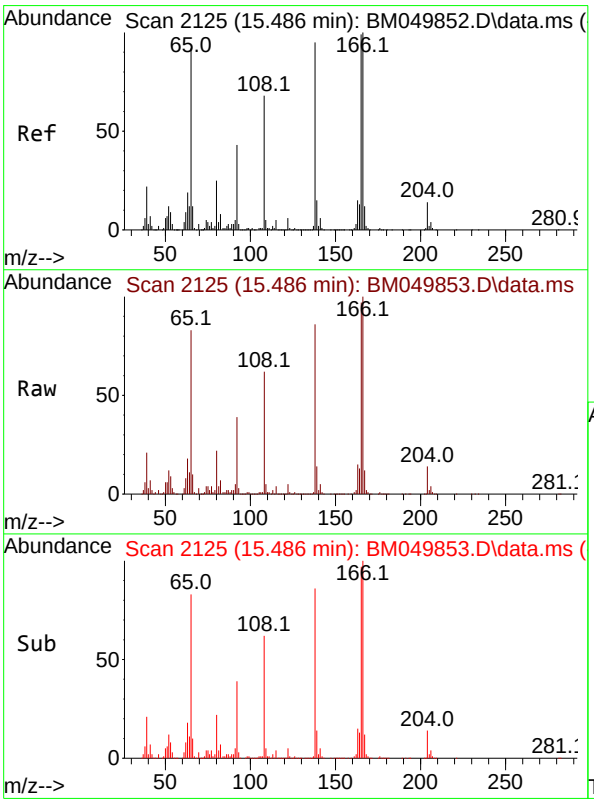
#61
4-Chlorophenyl-phenylether
Concen: 51.296 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 1598783

Ion	Ratio	Lower	Upper
204	100		
206	32.2	26.2	39.2
141	42.2	35.0	52.6

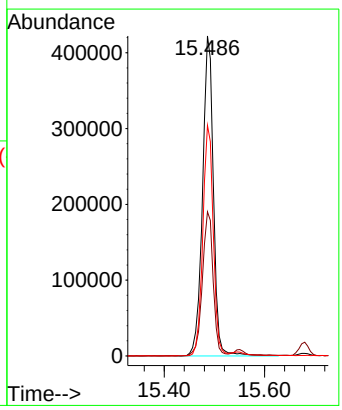


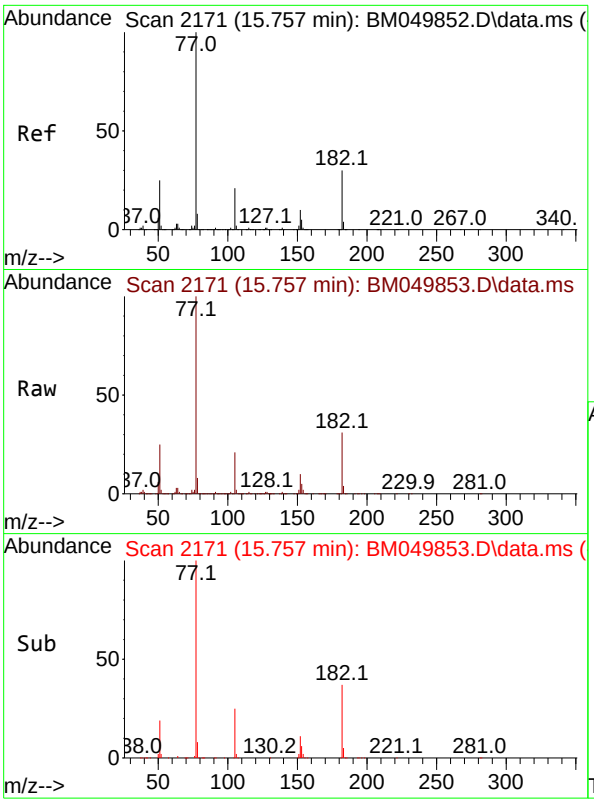


#62
4-Nitroaniline
Concen: 53.470 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:138 Resp: 638370

Ion	Ratio	Lower	Upper
138	100		
92	45.1	24.9	64.9
108	72.1	51.7	91.7



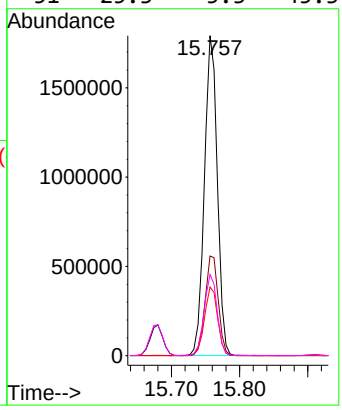


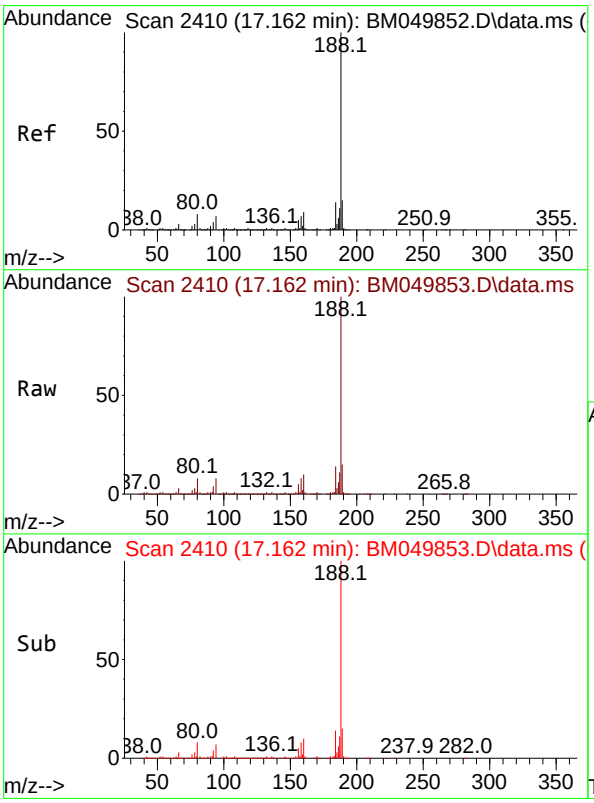
#63
Azobenzene
Concen: 50.372 ng
RT: 15.757 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 2357839

Ion	Ratio	Lower	Upper
77	100		
182	31.2	10.4	50.4
105	21.4	1.5	41.5
51	25.3	5.3	45.3

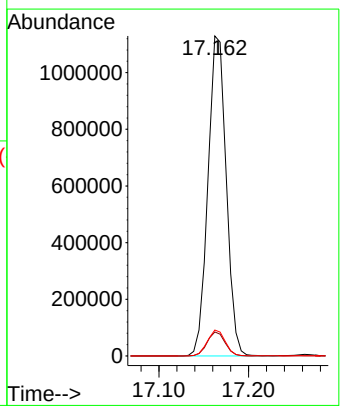


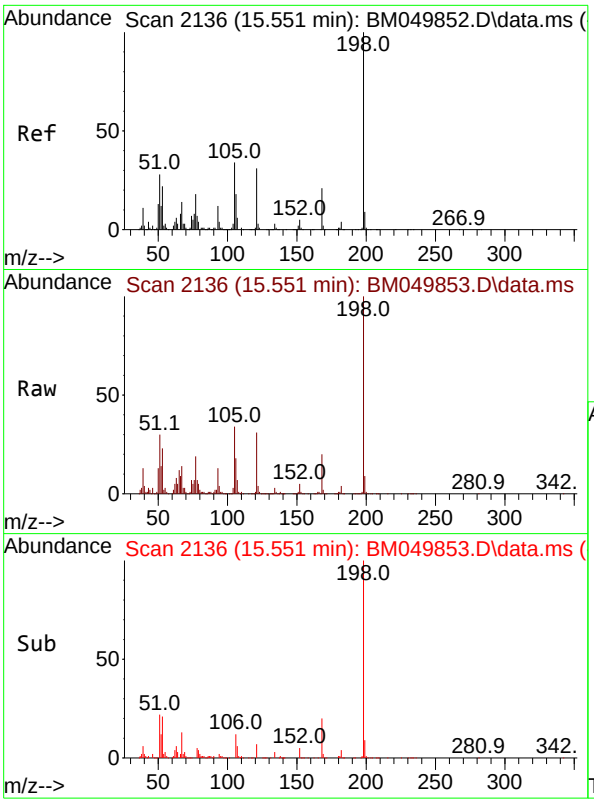


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:188 Resp: 1599813

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	8.1	6.4	9.6



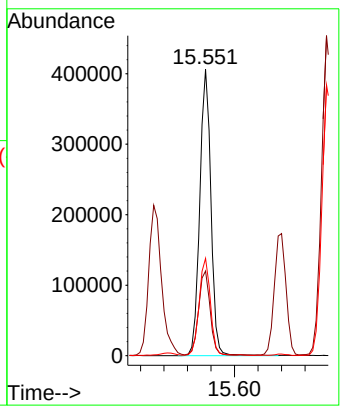


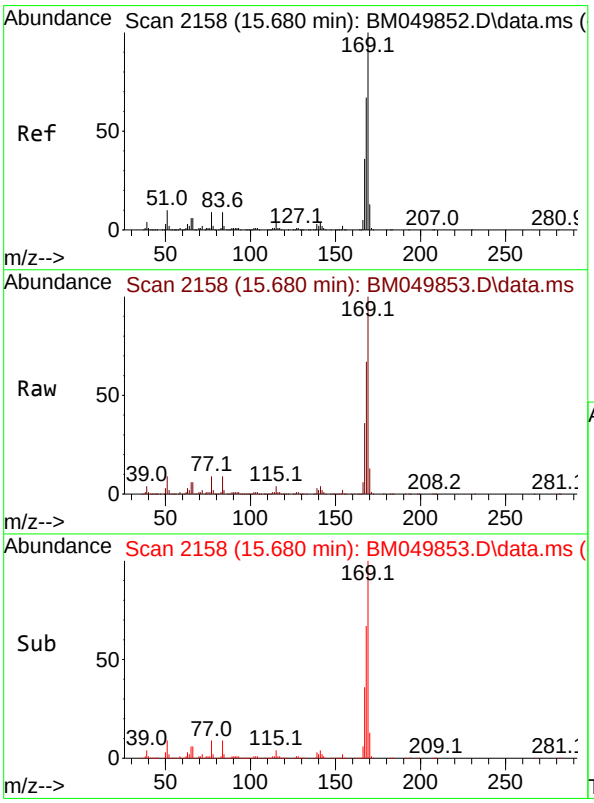
#65
4,6-Dinitro-2-methylphenol
Concen: 52.759 ng
RT: 15.551 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 531880

Ion	Ratio	Lower	Upper
198	100		
51	29.6	9.6	49.6
105	34.0	14.7	54.7

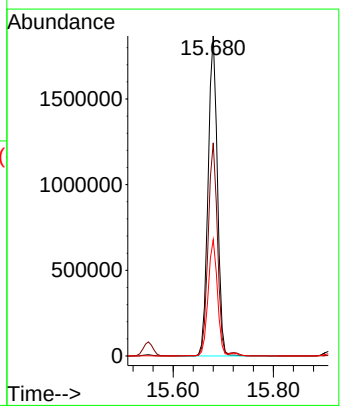


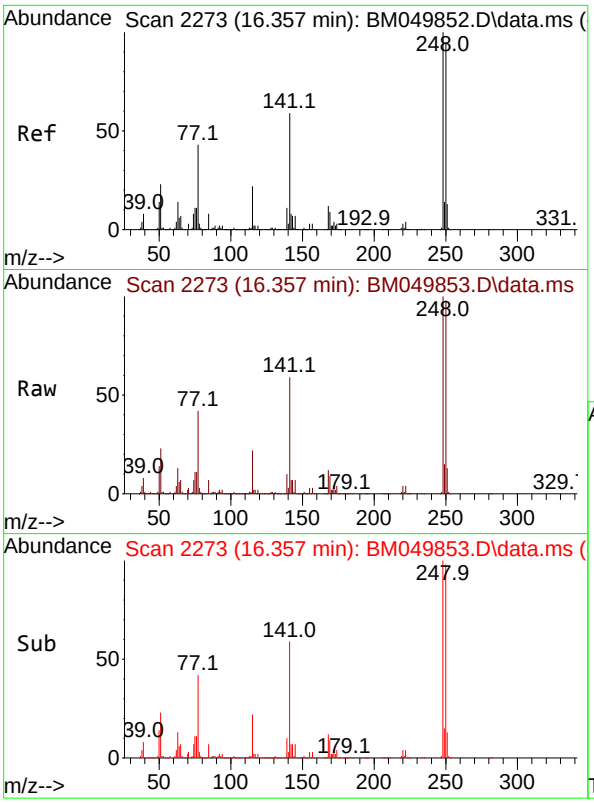


#66
n-Nitrosodiphenylamine
Concen: 50.273 ng
RT: 15.680 min Scan# 2158
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:169 Resp: 2406908

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.4	80.2
167	36.4	29.0	43.6



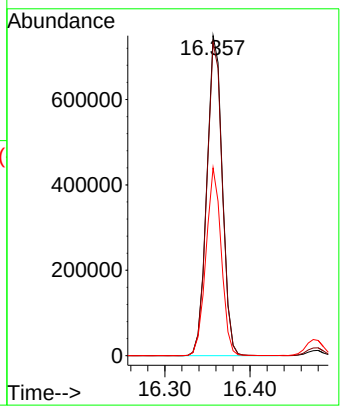


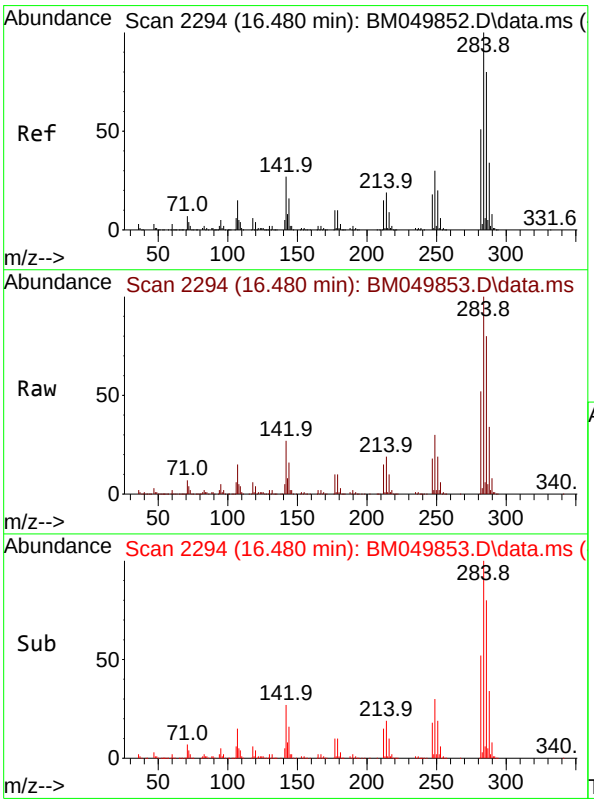
#67
4-Bromophenyl-phenylether
Concen: 50.970 ng
RT: 16.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 946616

Ion	Ratio	Lower	Upper
248	100		
250	97.8	76.2	114.2
141	58.7	47.3	70.9

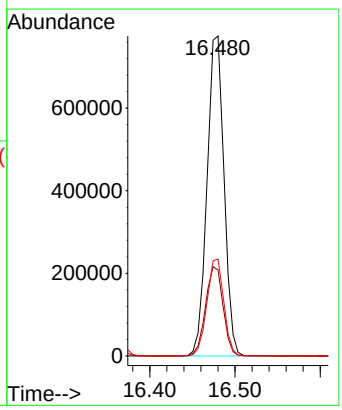


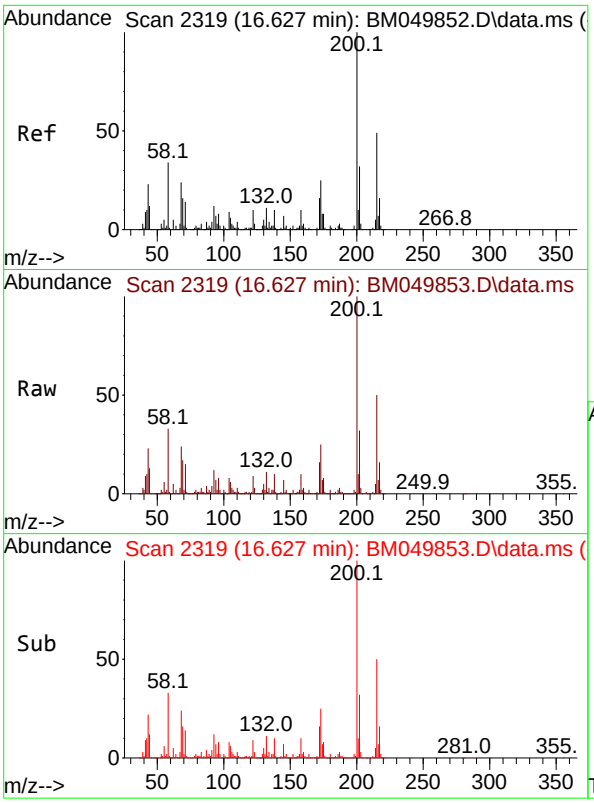


#68
Hexachlorobenzene
Concen: 50.357 ng
RT: 16.480 min Scan# 2294
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:284 Resp: 1072736

Ion	Ratio	Lower	Upper
284	100		
142	26.8	21.2	31.8
249	30.3	24.1	36.1



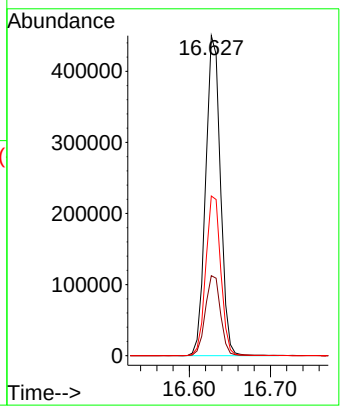


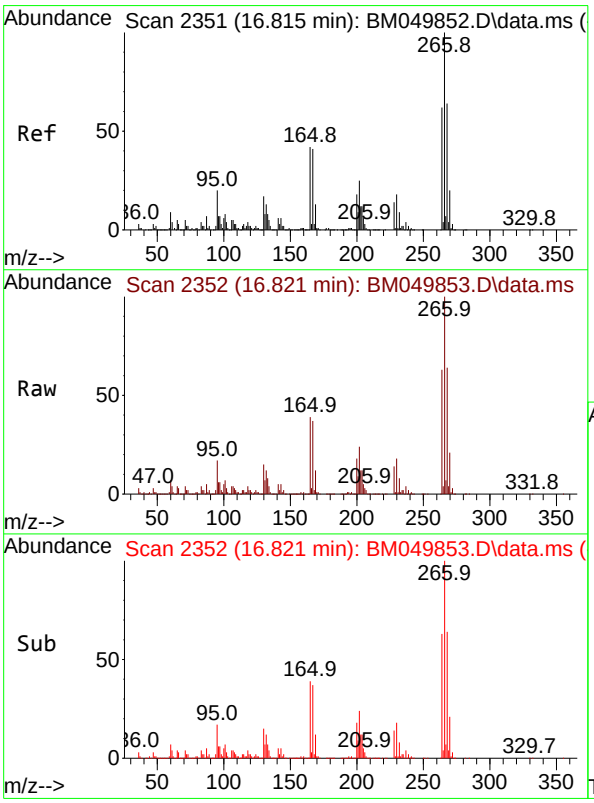
#69
Atrazine
Concen: 45.708 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 567392

Ion	Ratio	Lower	Upper
200	100		
173	25.0	5.4	45.4
215	49.9	29.0	69.0

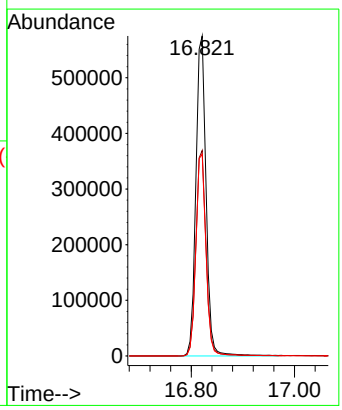


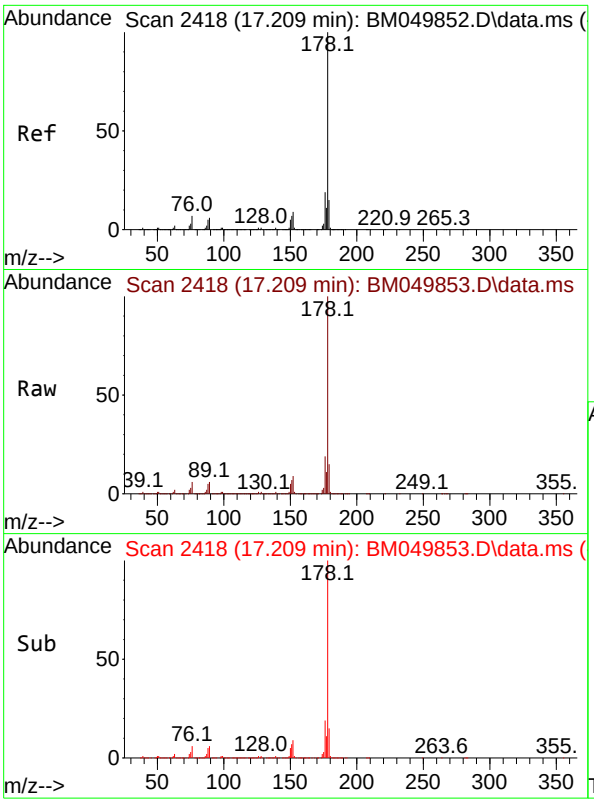


#70
Pentachlorophenol
Concen: 50.132 ng
RT: 16.821 min Scan# 2352
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:266 Resp: 786228

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.4	77.2
264	63.0	49.8	74.8



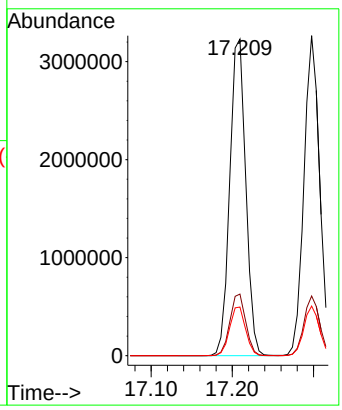


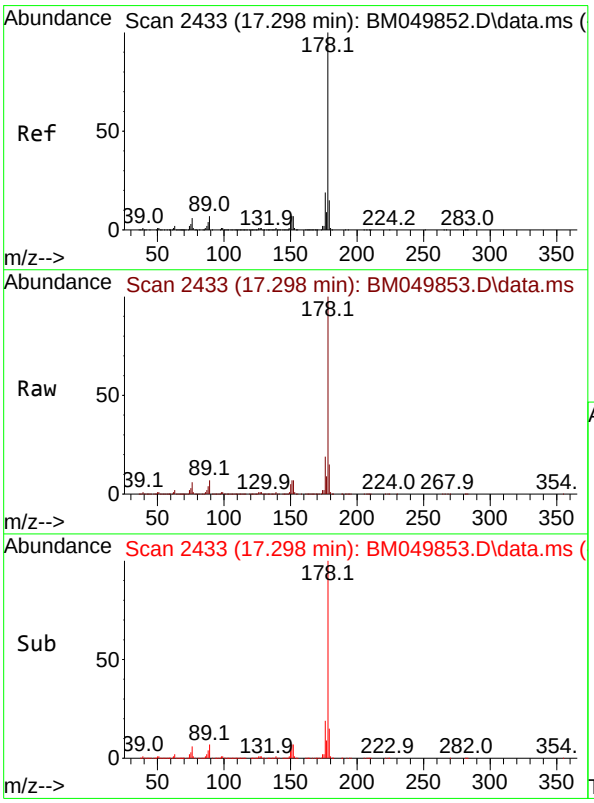
#71
Phenanthrene
Concen: 50.352 ng
RT: 17.209 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 4416317

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.4	12.3	18.5

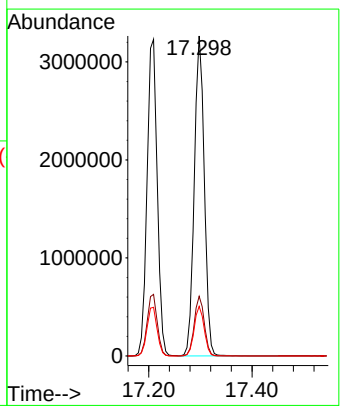


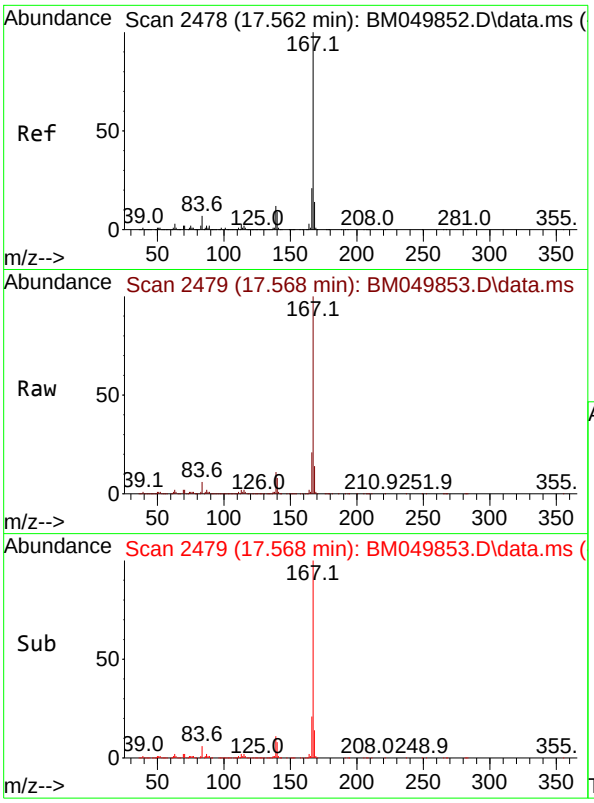


#72
Anthracene
Concen: 50.841 ng
RT: 17.298 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:178 Resp: 4394410

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.5	12.4	18.6



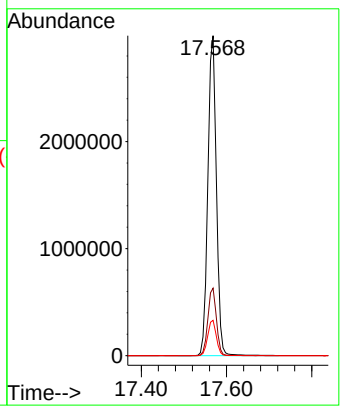


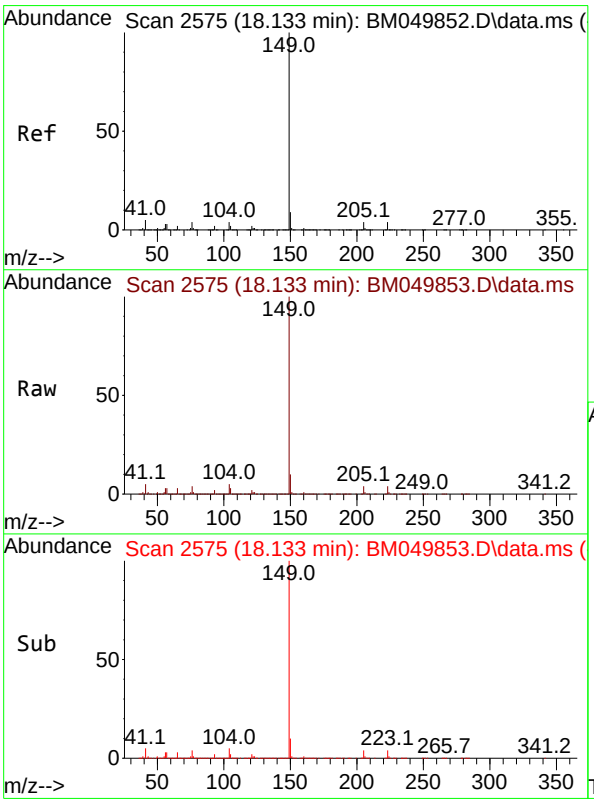
#73
Carbazole
Concen: 50.973 ng
RT: 17.568 min Scan# 24
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 4149752

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	11.1	9.3	13.9

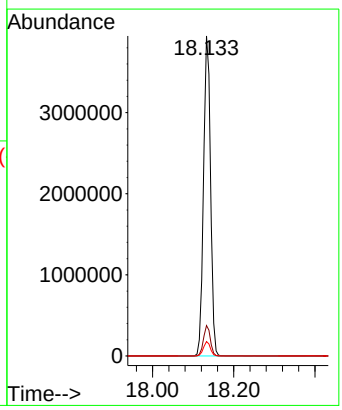


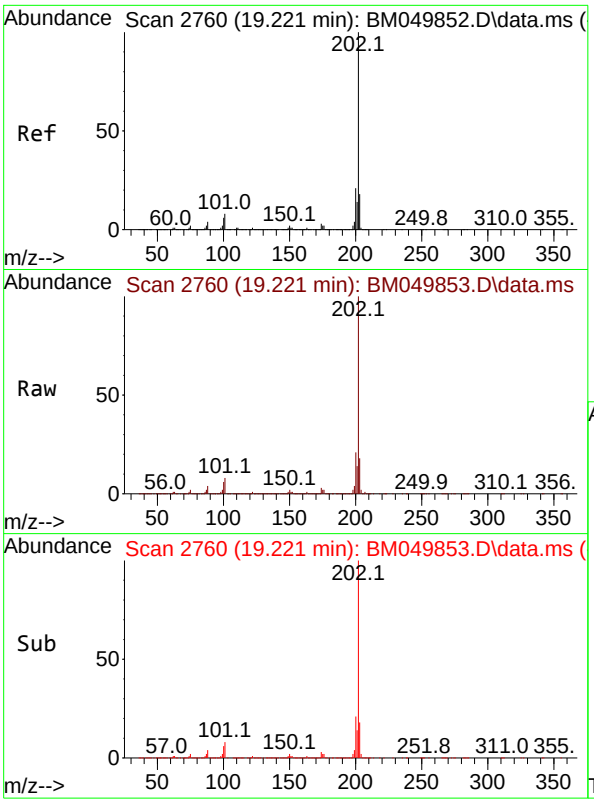


#74
Di-n-butylphthalate
Concen: 50.149 ng
RT: 18.133 min Scan# 2575
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:149 Resp: 4702392

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	4.5	3.5	5.3



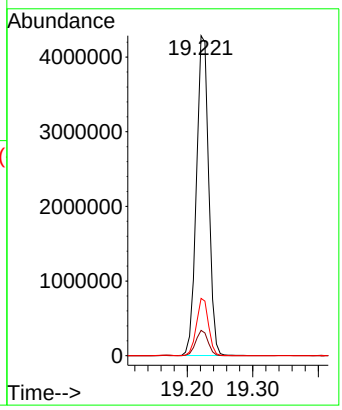


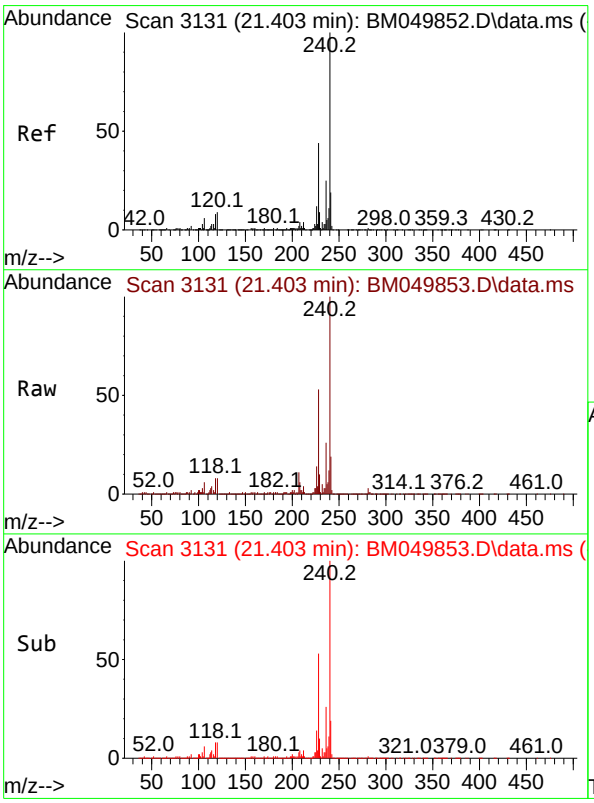
#75
Fluoranthene
Concen: 51.729 ng
RT: 19.221 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 5578449

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.4
203	17.9	0.0	37.8

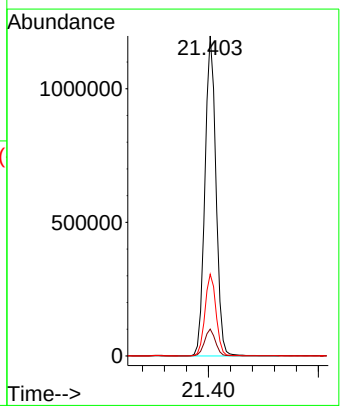


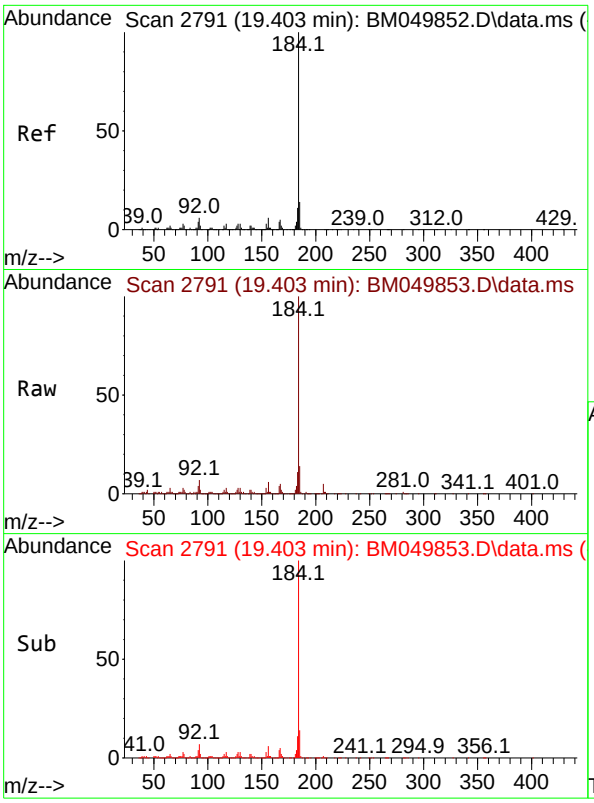


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:240 Resp: 1661195

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.9	10.3
236	25.6	20.4	30.6



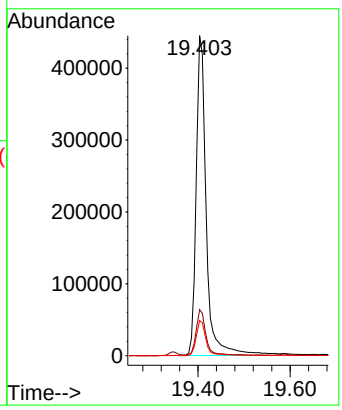


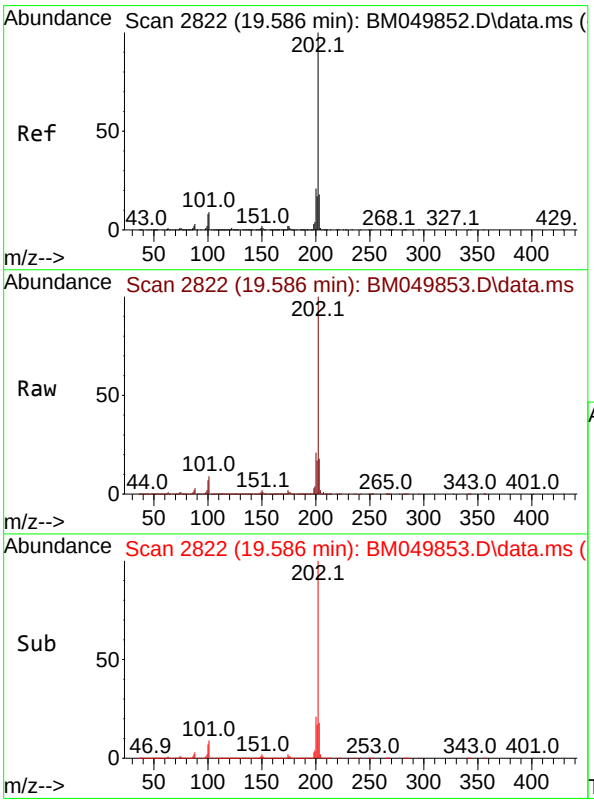
#77
Benzidine
Concen: 30.737 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 677381

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.2
183	11.0	8.8	13.2

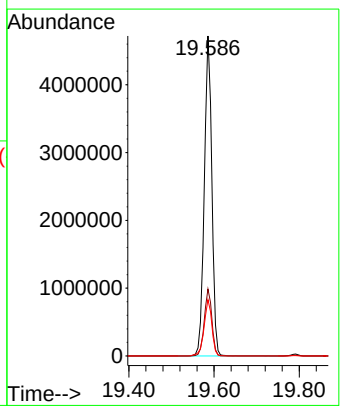


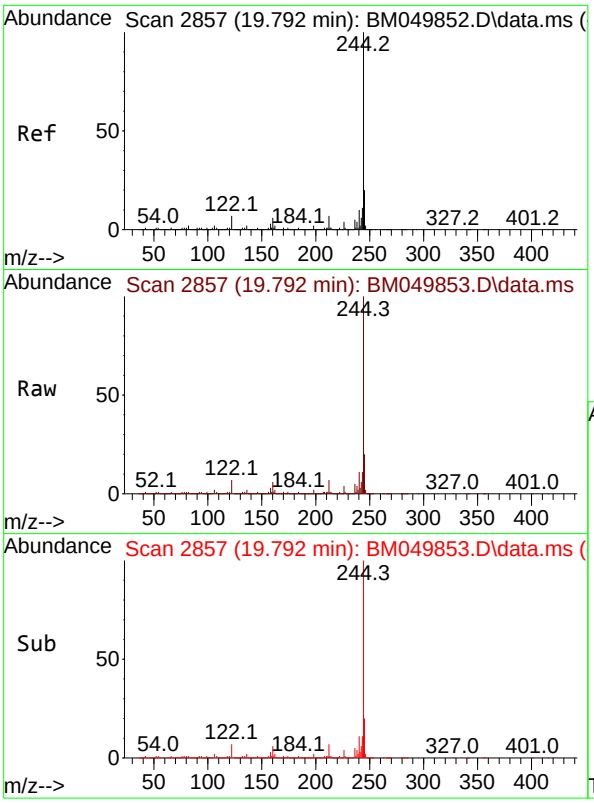


#78
Pyrene
Concen: 50.533 ng
RT: 19.586 min Scan# 2822
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:202 Resp: 5785386

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.5	24.7
203	17.6	14.0	21.0



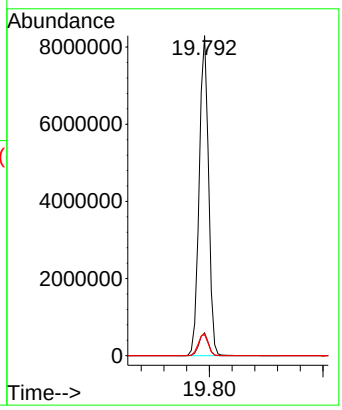


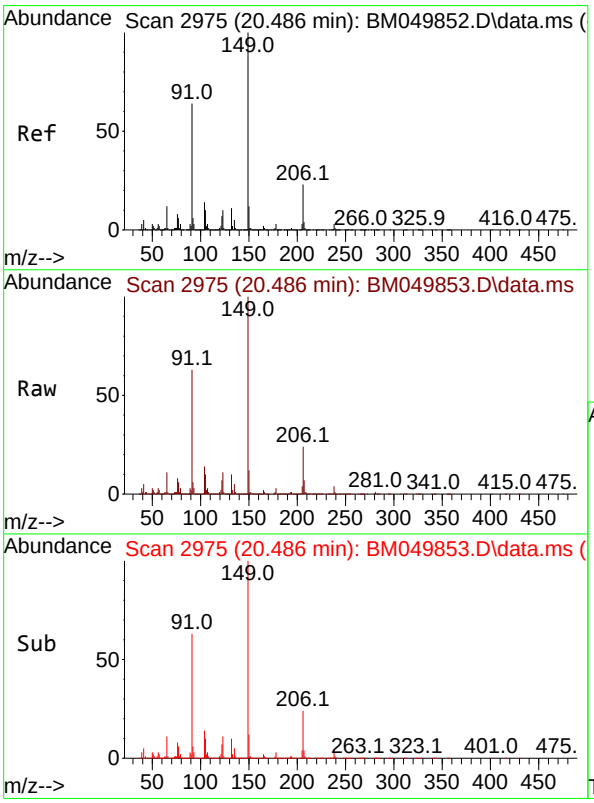
#79
Terphenyl-d14
Concen: 106.980 ng
RT: 19.792 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 9482895

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	6.5	5.4	8.0

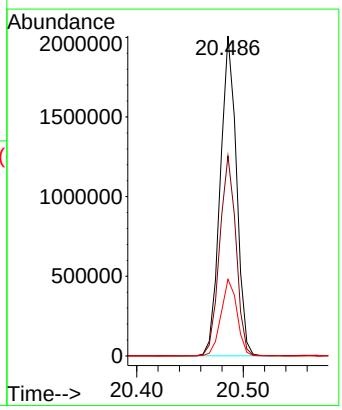


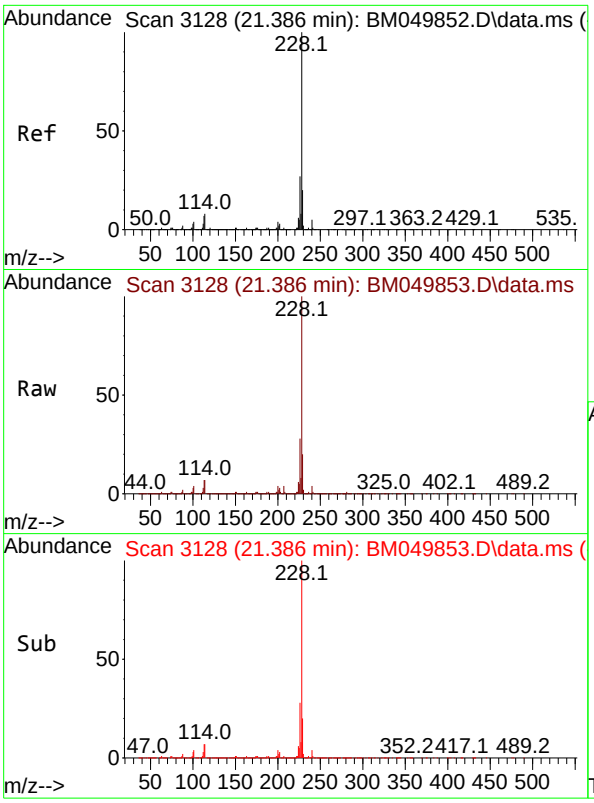


#80
Butylbenzylphthalate
Concen: 49.311 ng
RT: 20.486 min Scan# 2975
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:149 Resp: 2121299

Ion	Ratio	Lower	Upper
149	100		
91	62.5	50.9	76.3
206	23.9	18.4	27.6



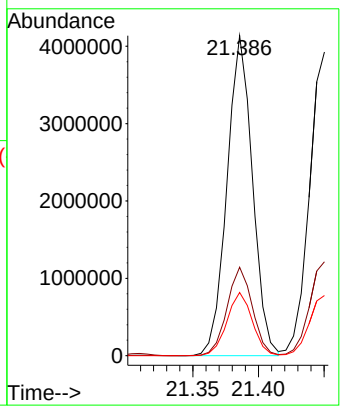


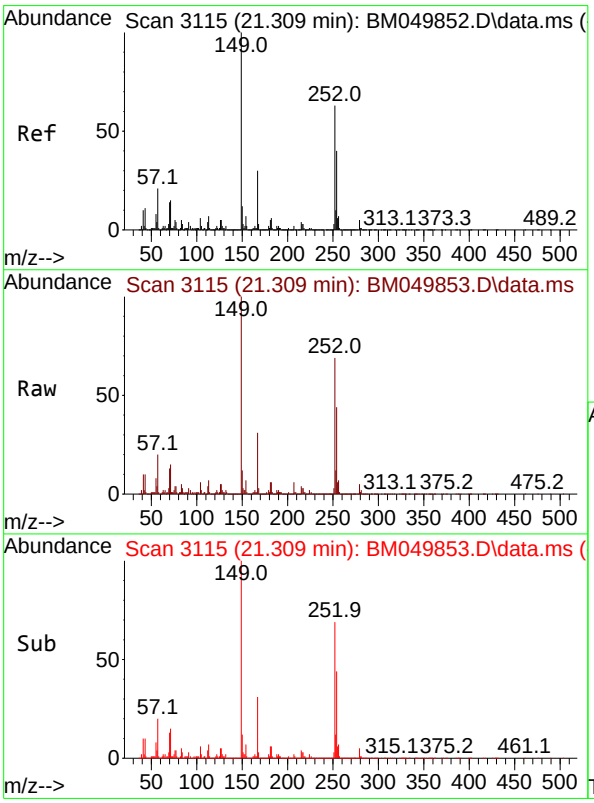
#81
Benzo(a)anthracene
Concen: 50.600 ng
RT: 21.386 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 5586396

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.8	32.8
229	19.8	15.8	23.8

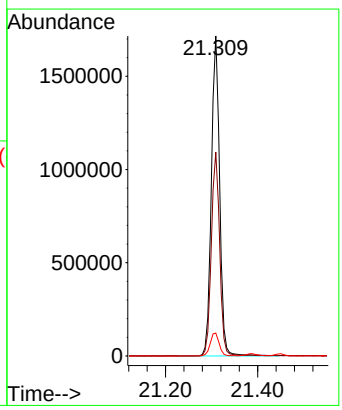


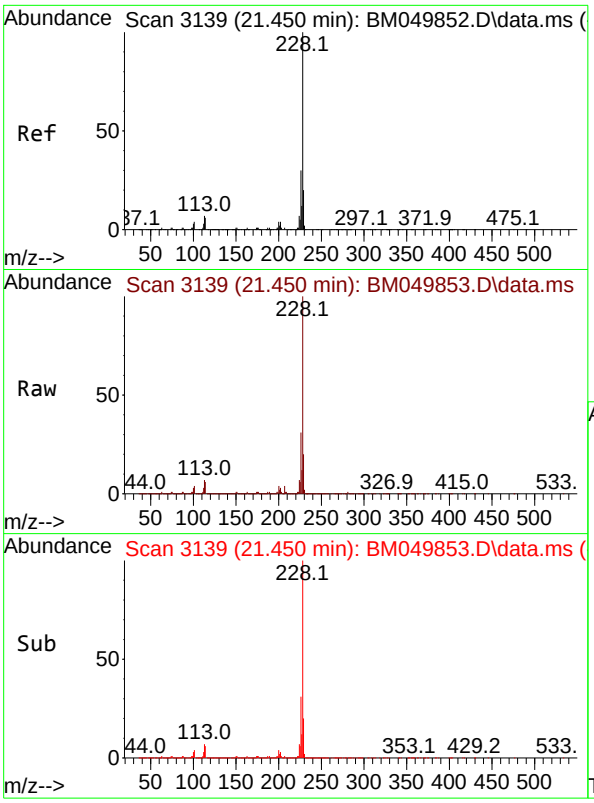


#82
3,3'-Dichlorobenzidine
Concen: 51.399 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:252 Resp: 2142953

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.5	77.3
126	7.1	6.3	9.5



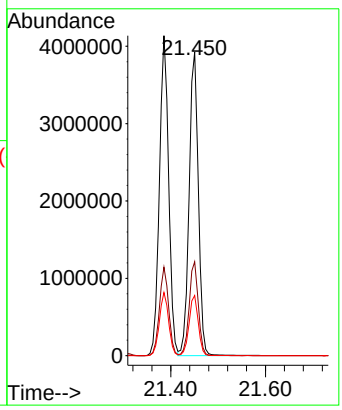


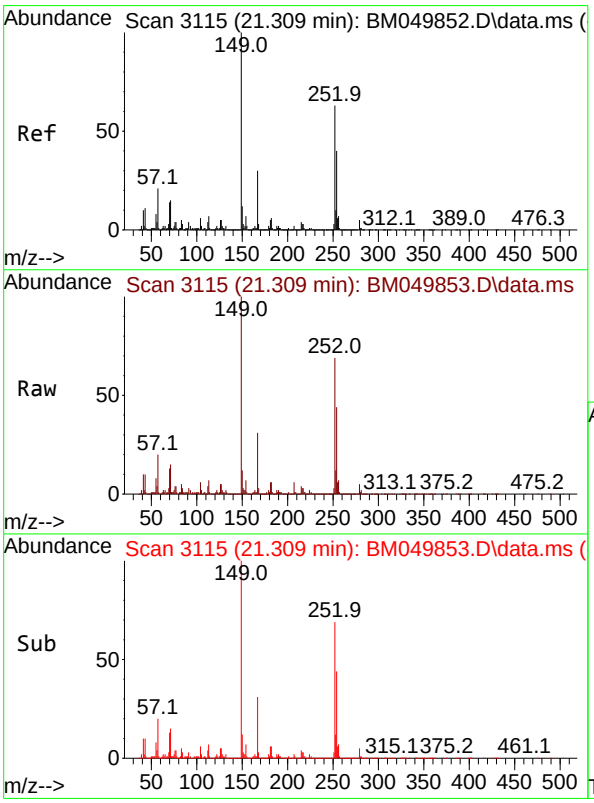
#83
Chrysene
Concen: 50.547 ng
RT: 21.450 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 5305401

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.1	36.1
229	19.8	15.8	23.6

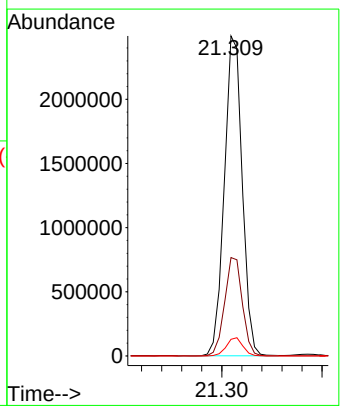


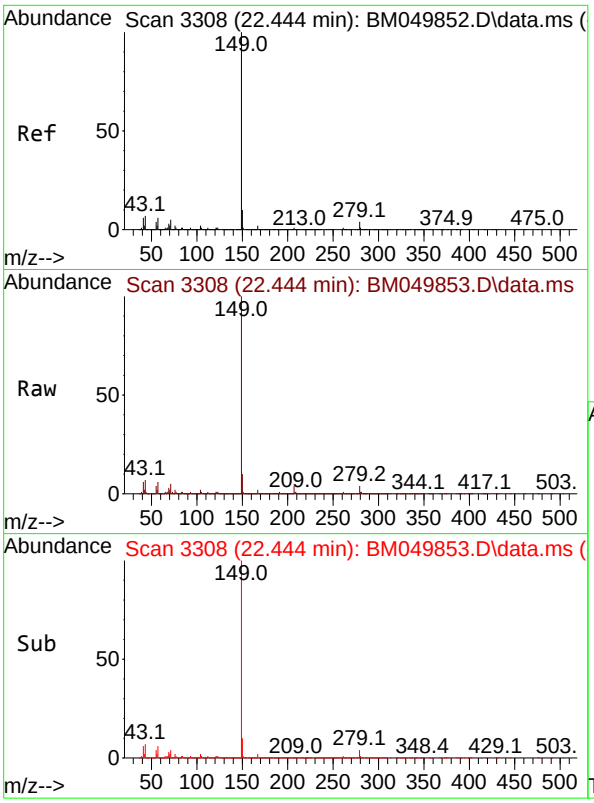


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.035 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:149 Resp: 3073374

Ion	Ratio	Lower	Upper
149	100		
167	30.8	23.8	35.6
279	5.2	3.8	5.8



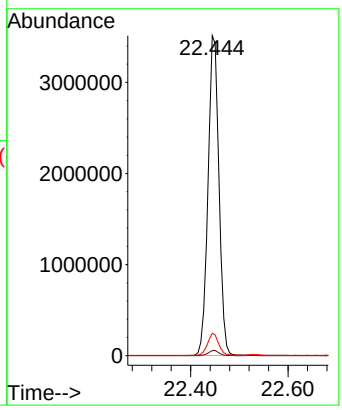


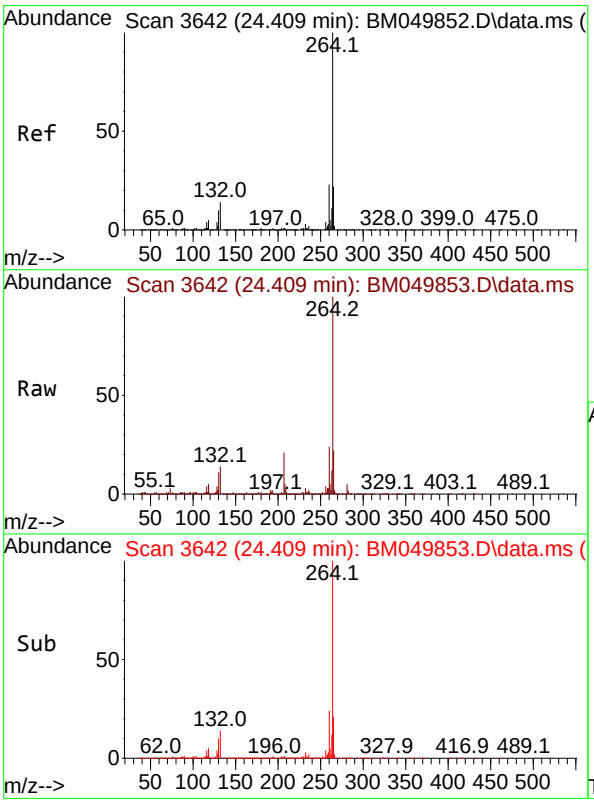
#85
Di-n-octyl phthalate
Concen: 49.516 ng
RT: 22.444 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 5429342

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.0	5.8	8.6

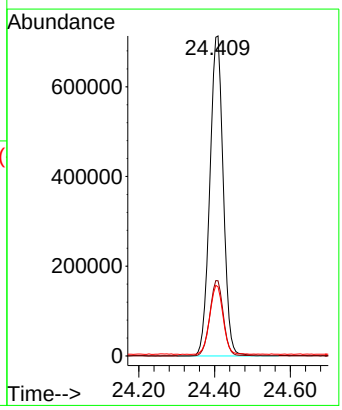


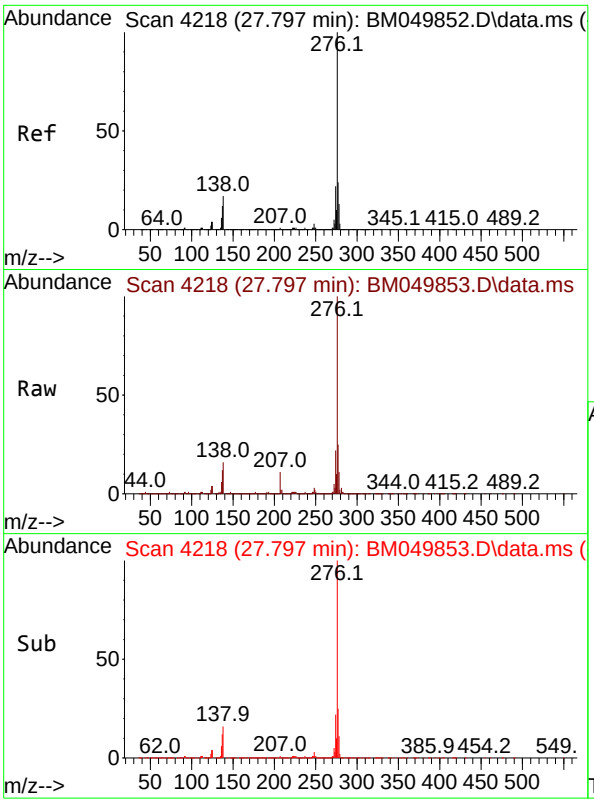


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.409 min Scan# 3642
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:264 Resp: 1751474

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.6	17.8	26.8



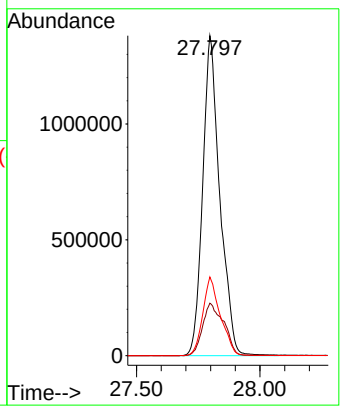


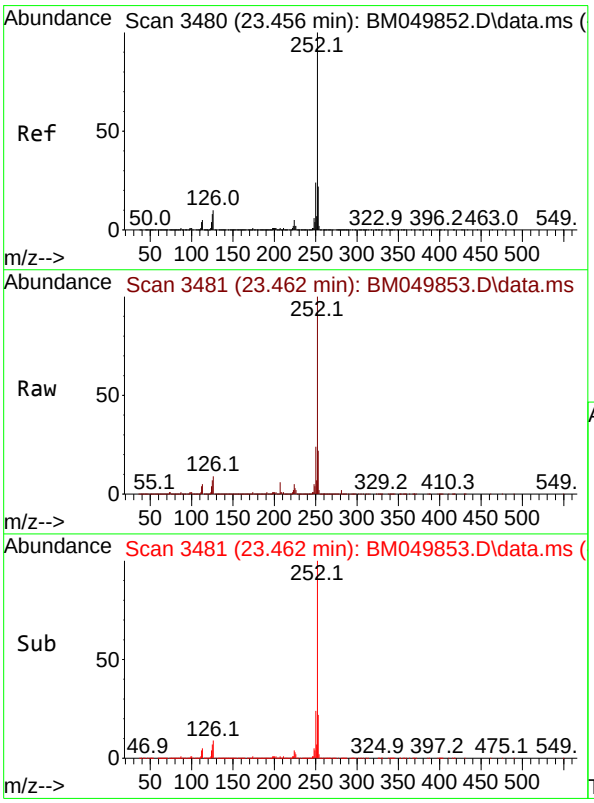
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.094 ng
RT: 27.797 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 6670738

Ion	Ratio	Lower	Upper
276	100		
138	20.3	16.8	25.2
277	25.2	20.1	30.1

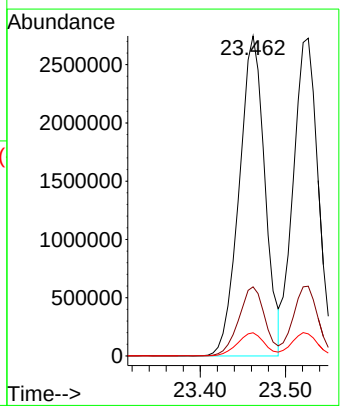


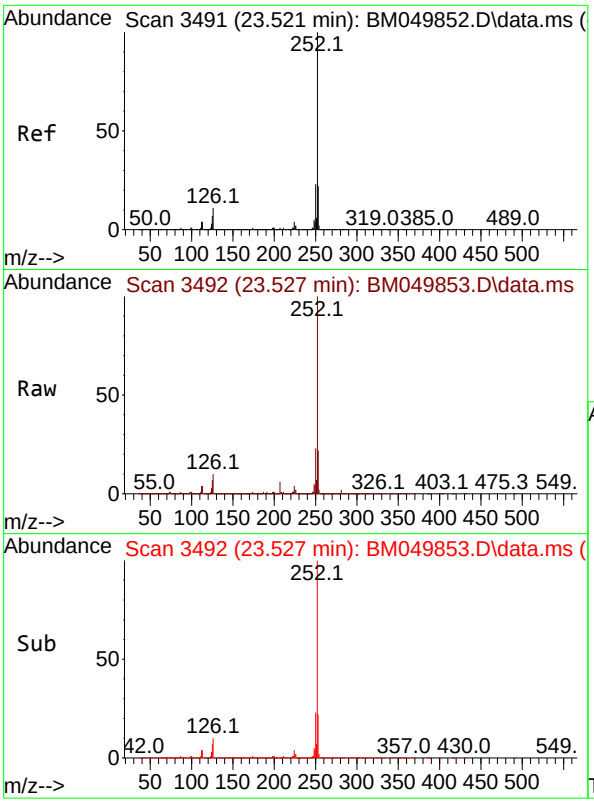


#88
Benzo(b)fluoranthene
Concen: 51.416 ng
RT: 23.462 min Scan# 3481
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:252 Resp: 5751381

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	7.2	6.2	9.4



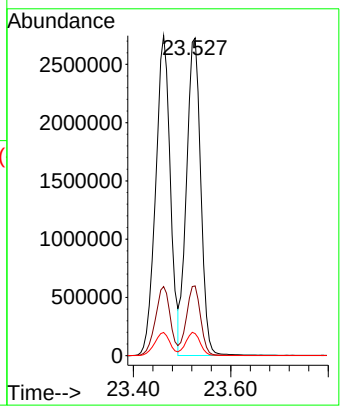


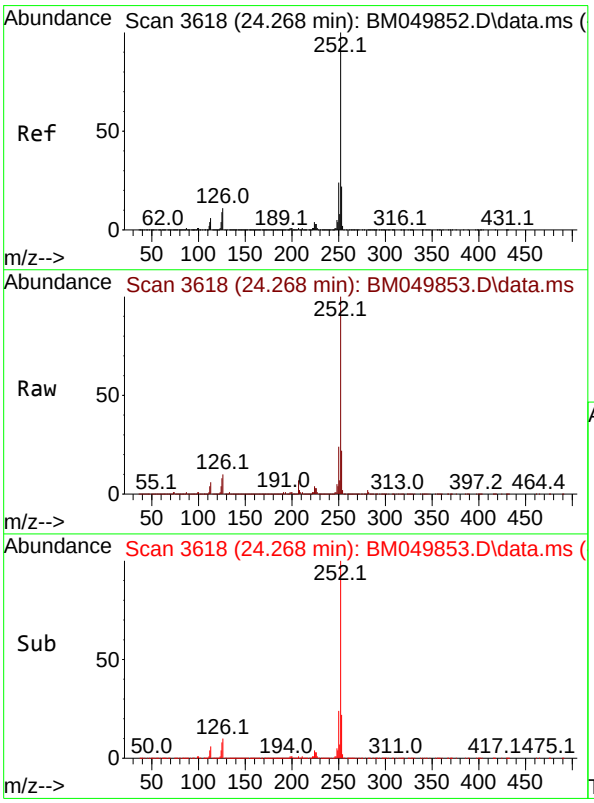
#89
Benzo(k)fluoranthene
Concen: 51.024 ng
RT: 23.527 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 5530993

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	7.0	5.8	8.8

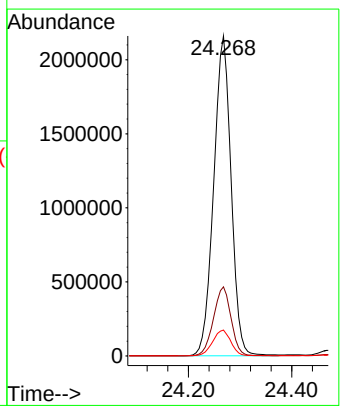


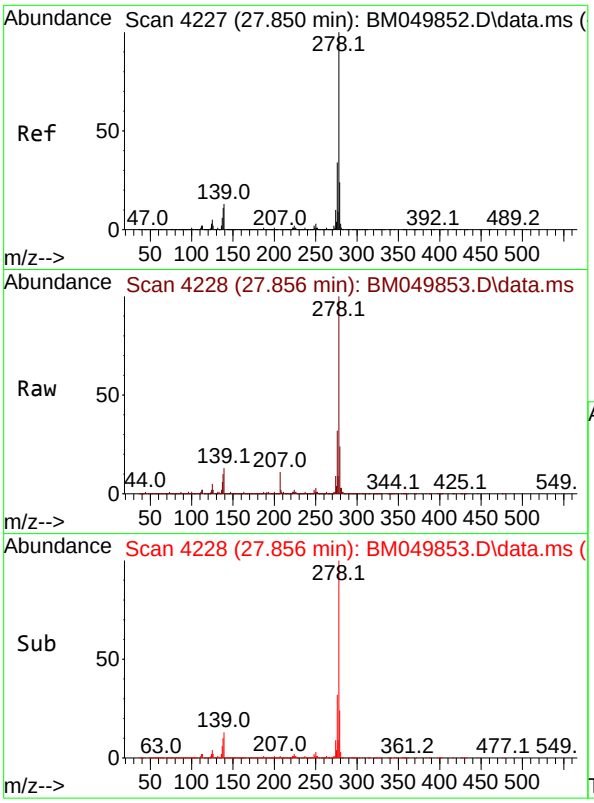


#90
Benzo(a)pyrene
Concen: 51.404 ng
RT: 24.268 min Scan# 3618
Delta R.T. -0.000 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:252 Resp: 5052750

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	8.1	7.0	10.4



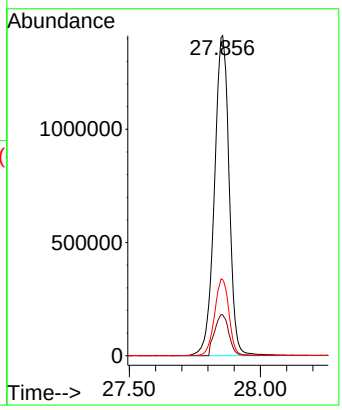


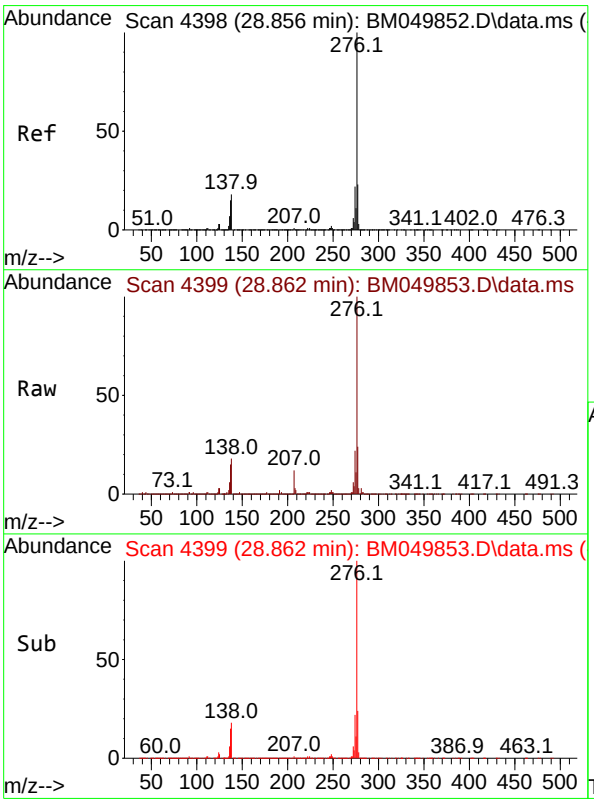
#91
Dibenzo(a,h)anthracene
Concen: 51.229 ng
RT: 27.856 min Scan# 4
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Instrument :
BNA_M
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 5509091

Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.6	15.8
279	23.8	19.1	28.7

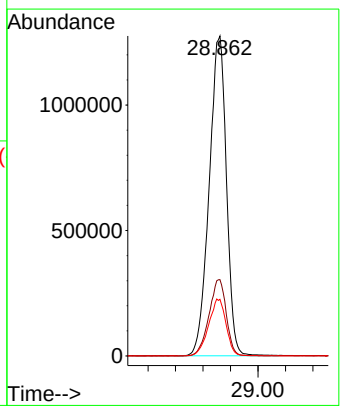




#92
Benzo(g,h,i)perylene
Concen: 50.555 ng
RT: 28.862 min Scan# 4399
Delta R.T. 0.006 min
Lab File: BM049853.D
Acq: 08 Apr 2025 17:30

Tgt Ion:276 Resp: 5555532

Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	17.7	14.6	21.8



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 03:03:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	401721	20.000	ng	0.00
21) Naphthalene-d8	10.574	136	1393866	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	925425	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1882039	20.000	ng	0.00
76) Chrysene-d12	21.403	240	2018201	20.000	ng	0.00
86) Perylene-d12	24.403	264	2103239	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2915551	123.240	ng	0.00
7) Phenol-d6	6.957	99	3719224	126.357	ng	0.00
23) Nitrobenzene-d5	8.939	82	3092938	123.564	ng	0.00
42) 2,4,6-Tribromophenol	15.915	330	1794801	133.337	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	8226257	120.538	ng	0.00
79) Terphenyl-d14	19.792	244	12189474	113.188	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	567230	58.219	ng	99
3) Pyridine	3.663	79	1539926m	60.181	ng	
4) n-Nitrosodimethylamine	3.569	42	602879	61.887	ng	99
6) Aniline	7.110	93	1376743	54.586	ng	99
8) 2-Chlorophenol	7.351	128	1492657	61.567	ng	98
9) Benzaldehyde	6.916	77	844385	55.949	ng	98
10) Phenol	6.981	94	1803027	62.772	ng	99
11) bis(2-Chloroethyl)ether	7.204	93	1398201	62.074	ng	99
12) 1,3-Dichlorobenzene	7.669	146	1736609	60.586	ng	99
13) 1,4-Dichlorobenzene	7.816	146	1753895	60.812	ng	99
14) 1,2-Dichlorobenzene	8.133	146	1638164	60.303	ng	99
15) Benzyl Alcohol	8.022	79	1196792	64.570	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.310	45	1519404	60.520	ng	99
17) 2-Methylphenol	8.228	107	1109262	62.667	ng	99
18) Hexachloroethane	8.863	117	603367	60.131	ng	95
19) n-Nitroso-di-n-propyla...	8.592	70	1035835	63.539	ng	97
20) 3+4-Methylphenols	8.557	107	1533520	63.547	ng	99
22) Acetophenone	8.604	105	2066135	60.992	ng	99
24) Nitrobenzene	8.980	77	1477263	61.291	ng	98
25) Isophorone	9.510	82	2626388	62.634	ng	99
26) 2-Nitrophenol	9.686	139	824140	64.513	ng	99
27) 2,4-Dimethylphenol	9.757	122	923795	63.809	ng	99
28) bis(2-Chloroethoxy)met...	9.986	93	1734345	61.780	ng	100
29) 2,4-Dichlorophenol	10.227	162	1520625	63.187	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	1724659	61.949	ng	100
31) Naphthalene	10.627	128	4391063	61.309	ng	100
32) Benzoic acid	9.927	122	1181344	62.653	ng	98
33) 4-Chloroaniline	10.733	127	1503047	59.431	ng	99
34) Hexachlorobutadiene	10.916	225	1064394	61.808	ng	97
35) Caprolactam	11.533	113	445396	64.529	ng	99
36) 4-Chloro-3-methylphenol	11.868	107	1364157	64.713	ng	99
37) 2-Methylnaphthalene	12.239	142	3184369	63.104	ng	99
38) 1-Methylnaphthalene	12.457	142	3091968	62.893	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	2002675	61.857	ng	99
41) Hexachlorocyclopentadiene	12.592	237	714895	63.016	ng	98
43) 2,4,6-Trichlorophenol	12.851	196	1274694	61.873	ng	98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Quant Time: Apr 09 03:03:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	1399112	62.494	ng		99
46) 1,1'-Biphenyl	13.257	154	4137656	60.146	ng		99
47) 2-Chloronaphthalene	13.298	162	3226867	59.679	ng		98
48) 2-Nitroaniline	13.498	65	795093	63.562	ng		100
49) Acenaphthylene	14.145	152	4818221	61.175	ng		100
50) Dimethylphthalate	13.886	163	4013924	61.481	ng		100
51) 2,6-Dinitrotoluene	13.998	165	881430	64.439	ng		96
52) Acenaphthene	14.486	154	3082249	61.523	ng		99
53) 3-Nitroaniline	14.327	138	819114	61.958	ng		97
54) 2,4-Dinitrophenol	14.533	184	589583	61.369	ng		97
55) Dibenzofuran	14.821	168	5168643	61.715	ng		98
56) 4-Nitrophenol	14.645	139	793938	67.391	ng		96
57) 2,4-Dinitrotoluene	14.786	165	1222834	67.011	ng		96
58) Fluorene	15.474	166	4134865	62.111	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.051	232	1221259	62.237	ng		97
60) Diethylphthalate	15.251	149	3826285	61.113	ng		98
61) 4-Chlorophenyl-phenyle...	15.468	204	2303745	64.546	ng		96
62) 4-Nitroaniline	15.492	138	906760	66.324	ng		98
63) Azobenzene	15.756	77	3310558	61.760	ng		99
65) 4,6-Dinitro-2-methylph...	15.551	198	778887	65.675	ng		98
66) n-Nitrosodiphenylamine	15.680	169	3444083	61.149	ng		99
67) 4-Bromophenyl-phenylether	16.356	248	1396751	63.930	ng		96
68) Hexachlorobenzene	16.480	284	1574846	62.842	ng		98
70) Pentachlorophenol	16.821	266	1149017	62.277	ng		99
71) Phenanthrene	17.209	178	6405696	62.082	ng		100
72) Anthracene	17.298	178	6349450	62.444	ng		99
73) Carbazole	17.568	167	5982768	62.468	ng		99
74) Di-n-butylphthalate	18.133	149	6724032	60.955	ng		100
75) Fluoranthene	19.227	202	8260007	65.108	ng		98
77) Benzidine	19.403	184	909121	33.955	ng		100
78) Pyrene	19.586	202	8591752	61.771	ng		98
80) Butylbenzylphthalate	20.486	149	3123457	59.763	ng		97
81) Benzo(a)anthracene	21.386	228	8424711	62.811	ng		99
82) 3,3'-Dichlorobenzidine	21.309	252	3254534	64.252	ng		99
83) Chrysene	21.450	228	7979154	62.573	ng		98
84) Bis(2-ethylhexyl)phtha...	21.315	149	4400467	57.790	ng	#	95
85) Di-n-octyl phthalate	22.450	149	7938550	59.593	ng		99
87) Indeno(1,2,3-cd)pyrene	27.809	276	9952687	63.483	ng		99
88) Benzo(b)fluoranthene	23.462	252	8702237	64.785	ng		99
89) Benzo(k)fluoranthene	23.527	252	8428431	64.749	ng		99
90) Benzo(a)pyrene	24.268	252	7629106	64.633	ng		99
91) Dibenzo(a,h)anthracene	27.862	278	8206056	63.546	ng		99
92) Benzo(g,h,i)perylene	28.867	276	8265853	62.639	ng		99

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

ICAL Form

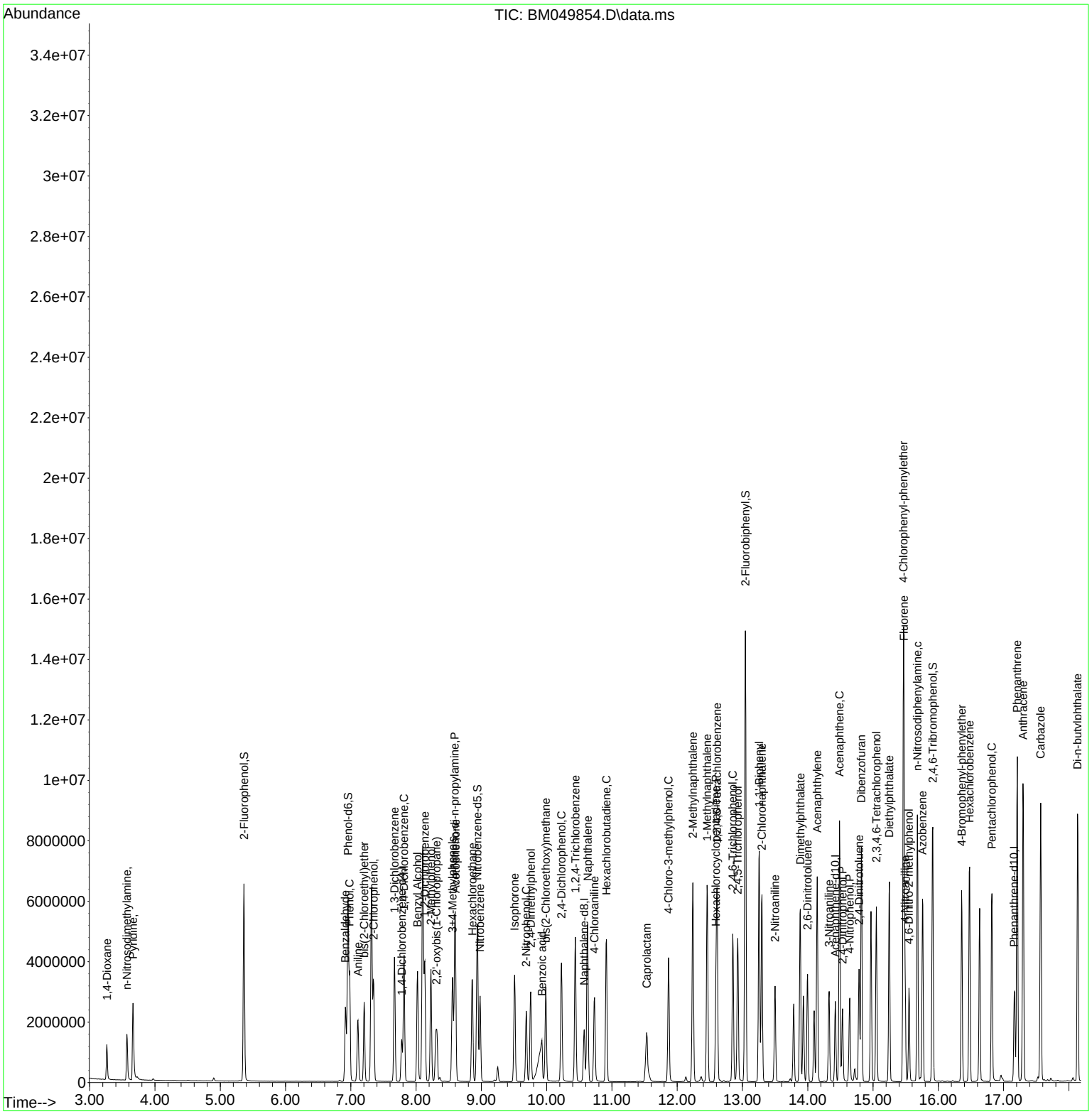
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Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 09 03:03:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



ICAL Form

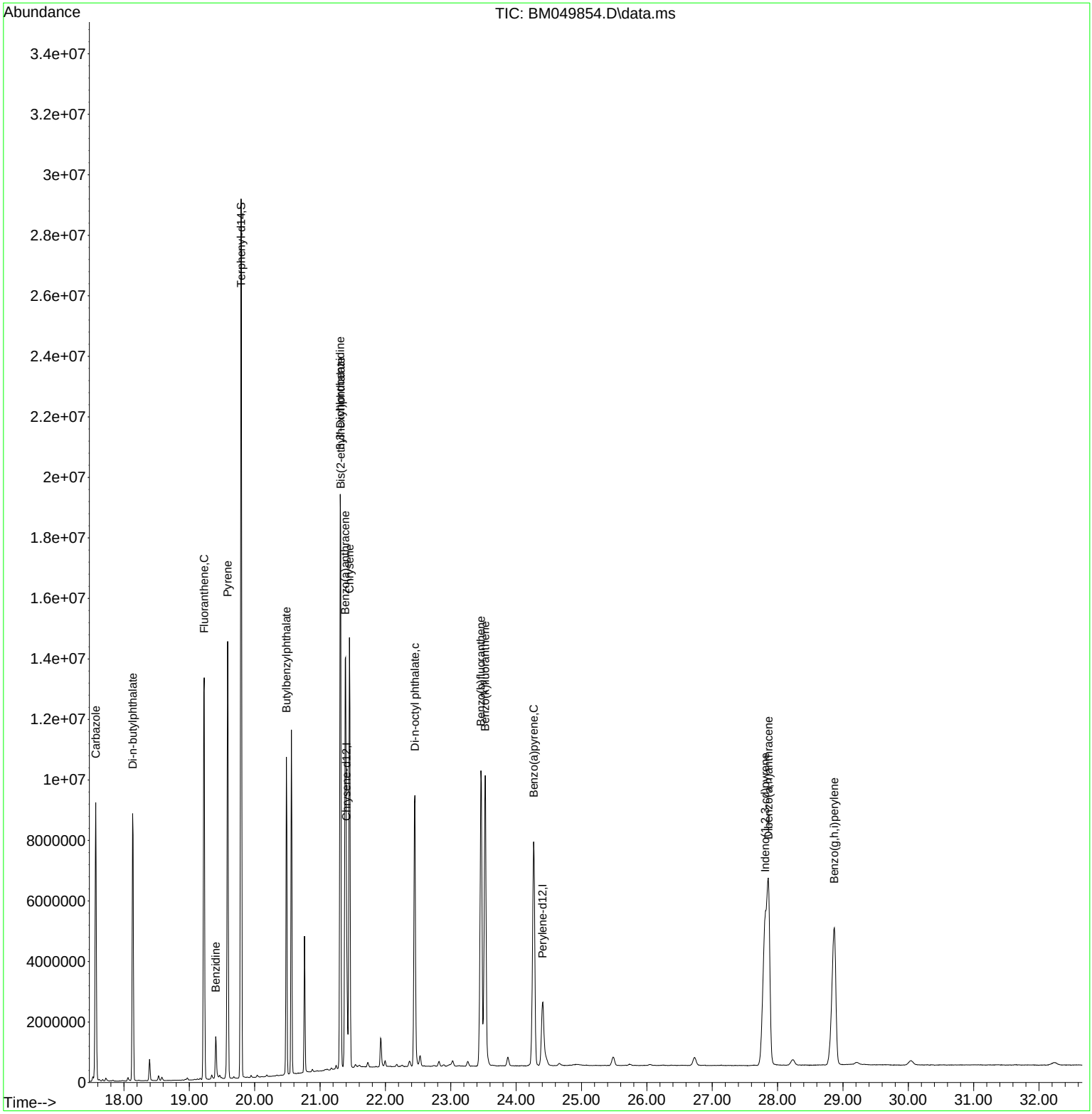
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Data File : BM049854.D
Acq On : 08 Apr 2025 19:28
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

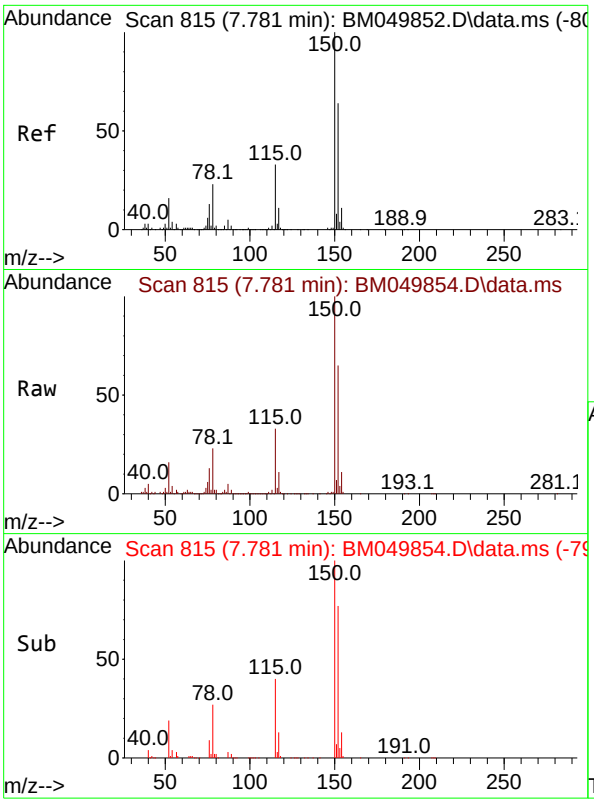
Quant Time: Apr 09 03:03:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

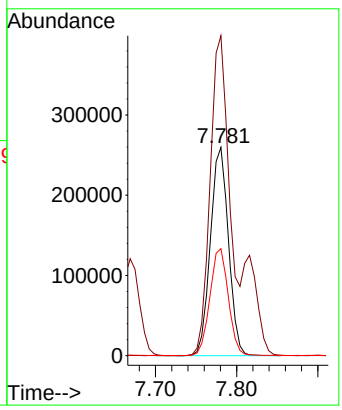




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:152 Resp: 40172

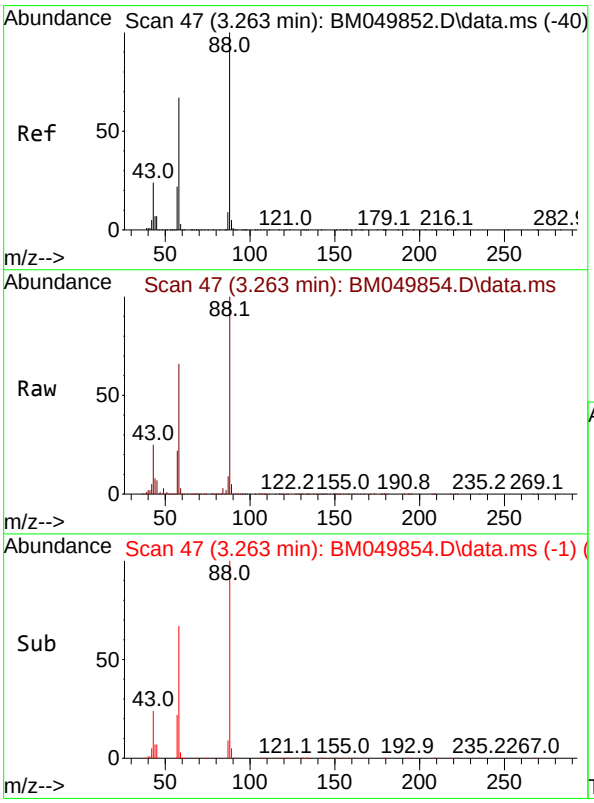
Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.3	186.5
115	51.4	41.1	61.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

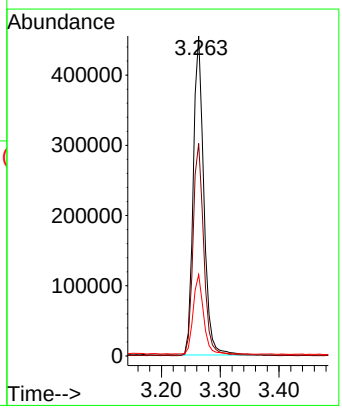
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

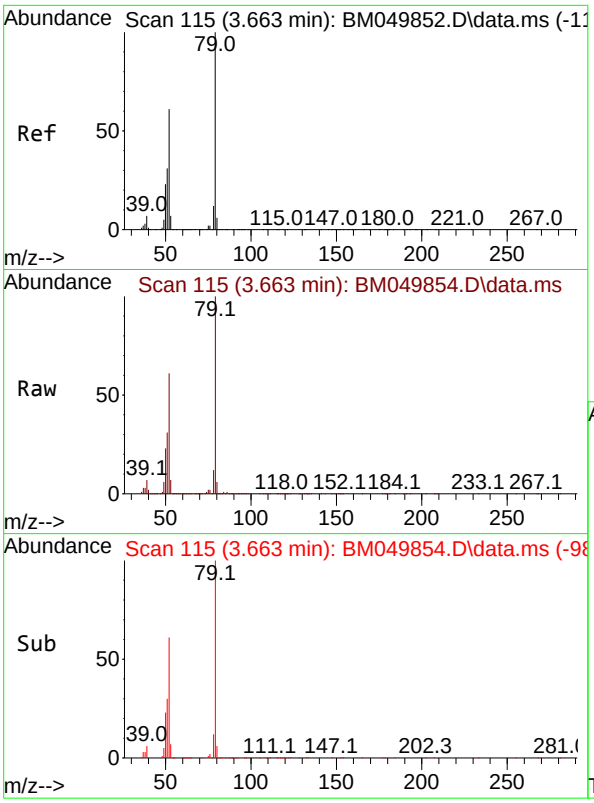


#2
1,4-Dioxane
Concen: 58.219 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 88 Resp: 567230

Ion	Ratio	Lower	Upper
88	100		
58	68.0	54.1	81.1
43	24.7	20.2	30.4

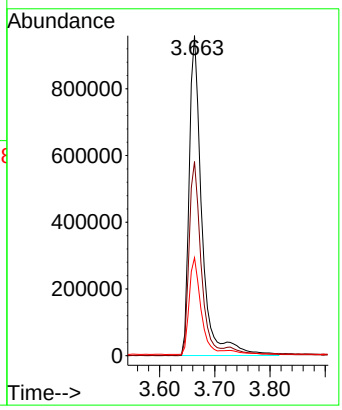




#3
Pyridine
Concen: 60.181 ng m
RT: 3.663 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 79 Resp: 153992(

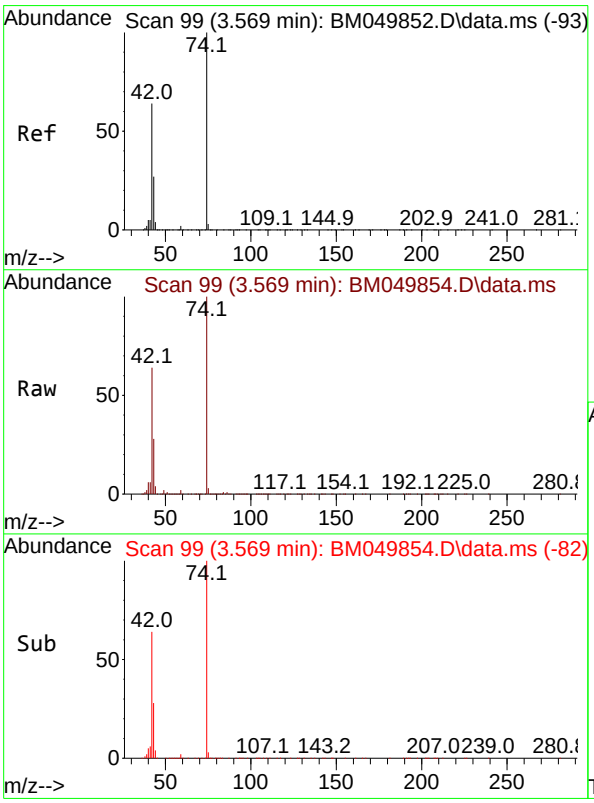
Ion	Ratio	Lower	Upper
79	100		
52	60.6	48.9	73.3
51	30.6	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

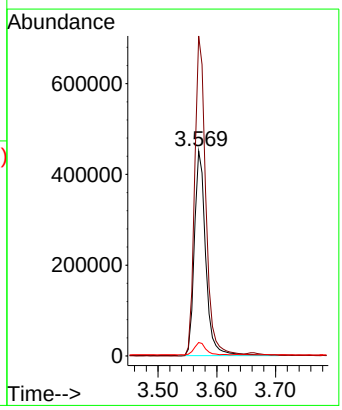
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

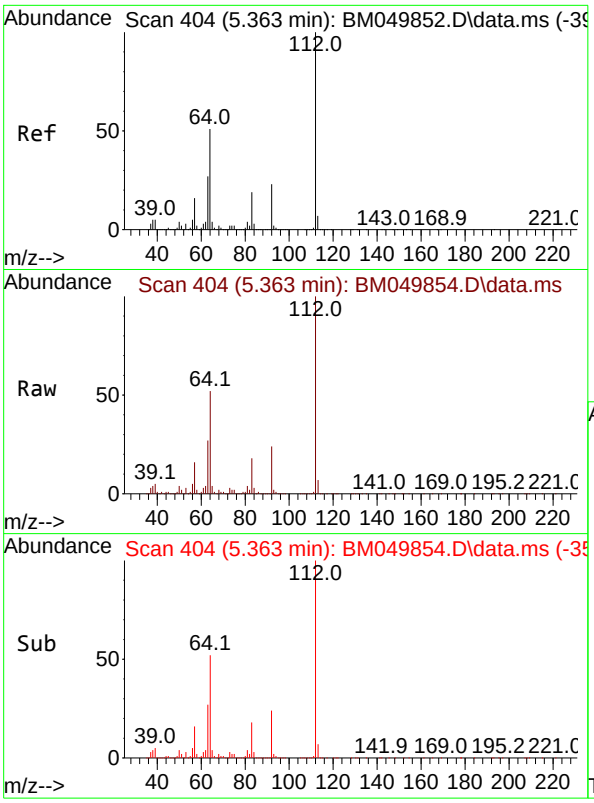


#4
n-Nitrosodimethylamine
Concen: 61.887 ng
RT: 3.569 min Scan# 99
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 42 Resp: 602879

Ion	Ratio	Lower	Upper
42	100		
74	156.1	125.4	188.2
44	6.6	5.9	8.9

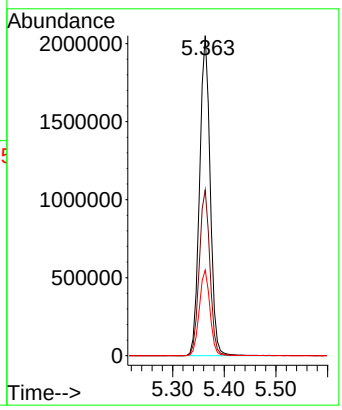




#5
2-Fluorophenol
Concen: 123.240 ng
RT: 5.363 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:112 Resp: 291555

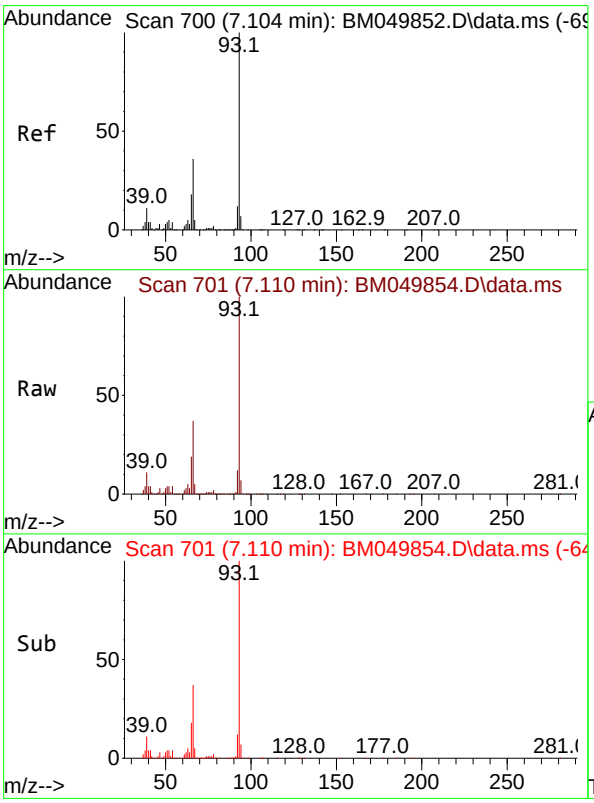
Ion	Ratio	Lower	Upper
112	100		
64	51.8	41.0	61.6
63	26.8	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

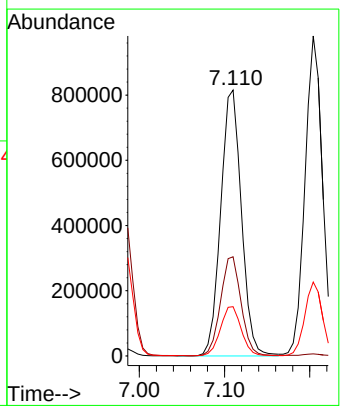
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

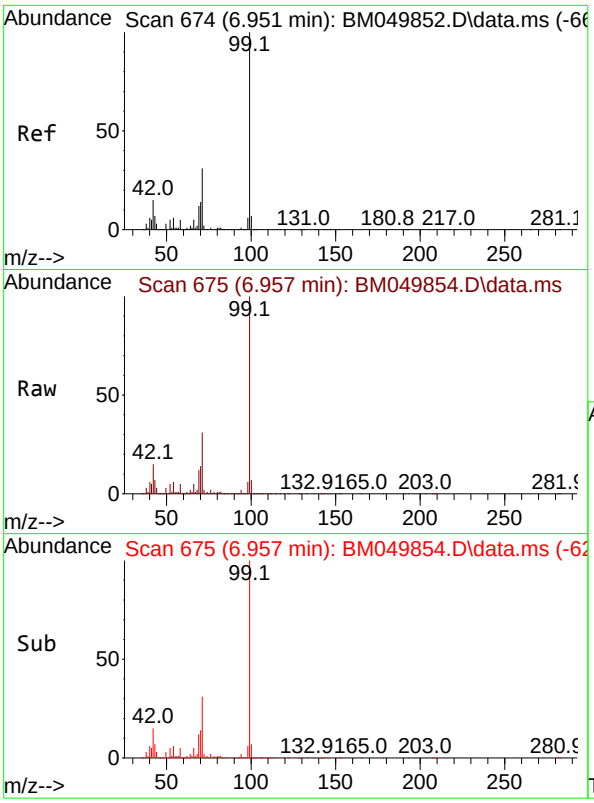


#6
Aniline
Concen: 54.586 ng
RT: 7.110 min Scan# 701
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 93 Resp: 1376743

Ion	Ratio	Lower	Upper
93	100		
66	37.3	29.1	43.7
65	18.5	14.9	22.3

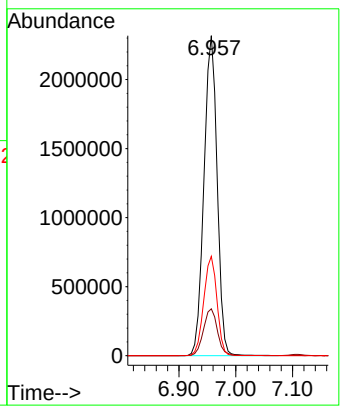




#7
Phenol-d6
Concen: 126.357 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 99 Resp: 371922

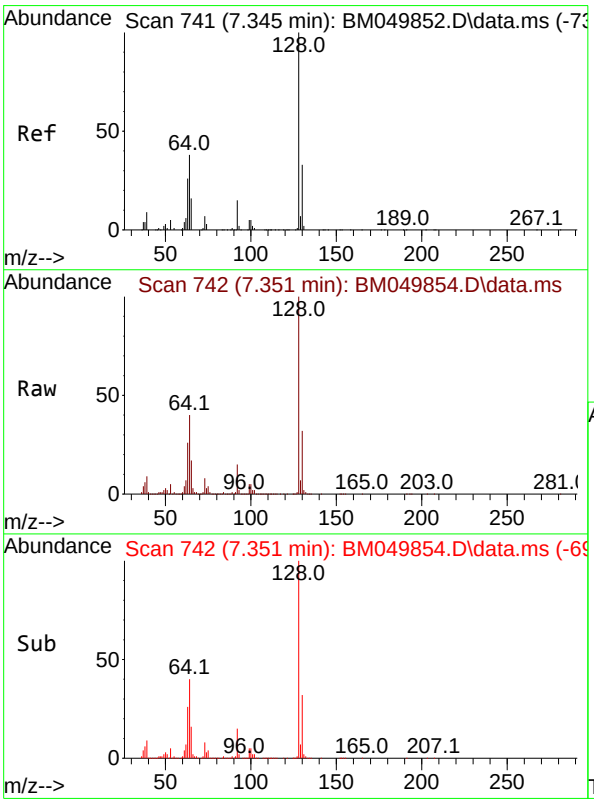
Ion	Ratio	Lower	Upper
99	100		
42	14.6	12.1	18.1
71	31.1	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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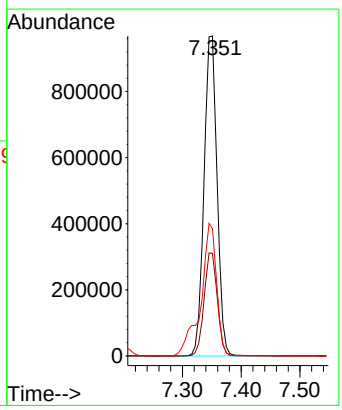
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

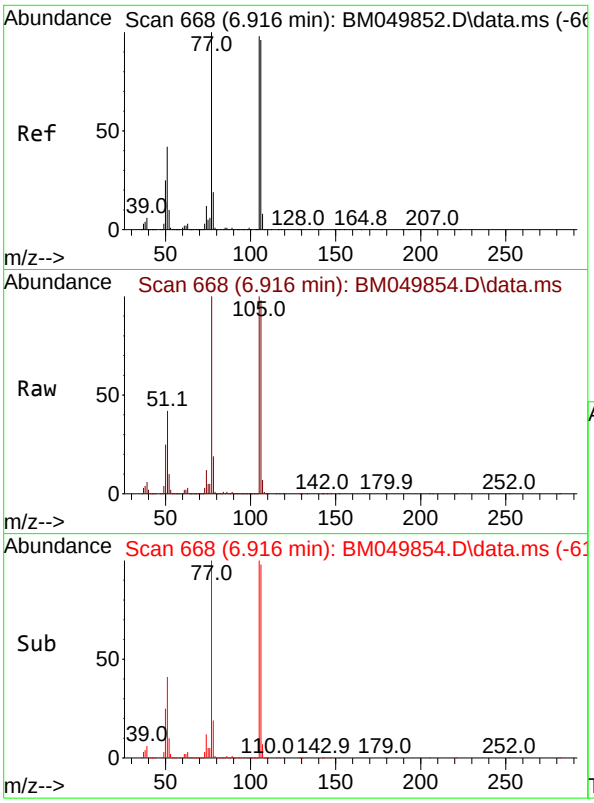


#8
2-Chlorophenol
Concen: 61.567 ng
RT: 7.351 min Scan# 742
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:128 Resp: 1492657

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	39.8	21.1	61.1

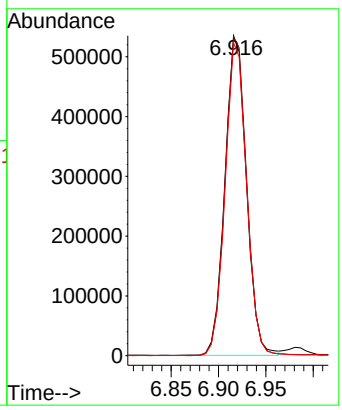




#9
Benzaldehyde
Concen: 55.949 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 77 Resp: 84438

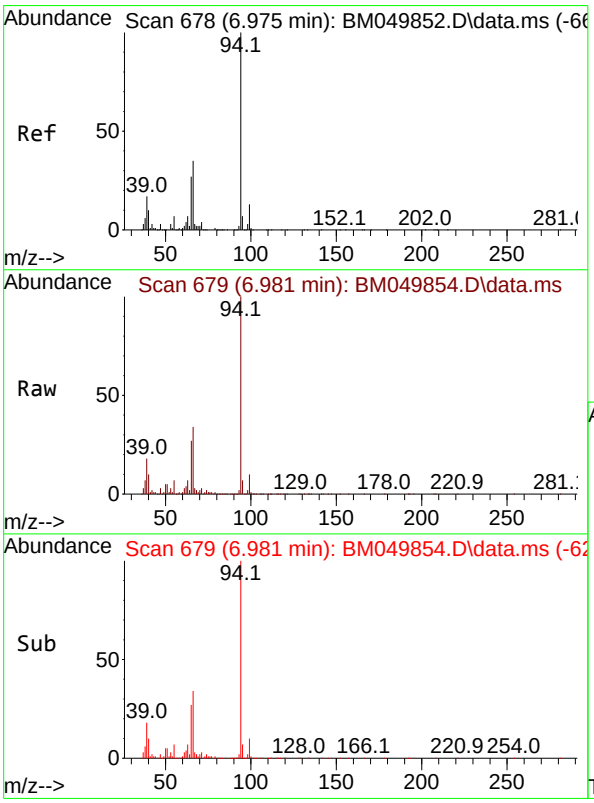
Ion	Ratio	Lower	Upper
77	100		
105	99.7	78.3	118.3
106	97.8	76.0	116.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

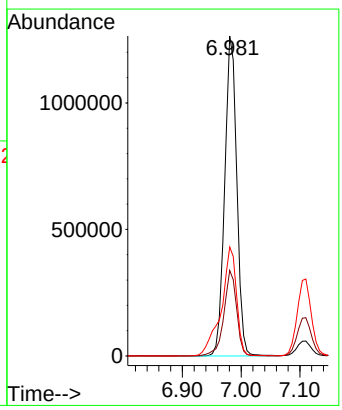
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

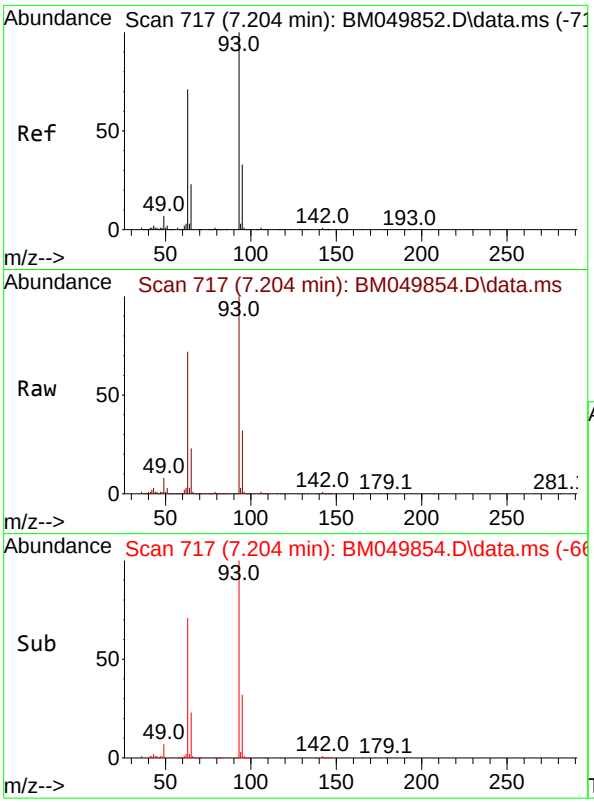


#10
Phenol
Concen: 62.772 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 94 Resp: 1803027

Ion	Ratio	Lower	Upper
94	100		
65	26.7	7.3	47.3
66	34.1	14.8	54.8

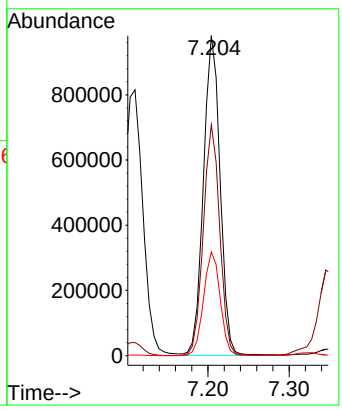




#11
bis(2-Chloroethyl)ether
Concen: 62.074 ng
RT: 7.204 min Scan# 7
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 93 Resp: 139820

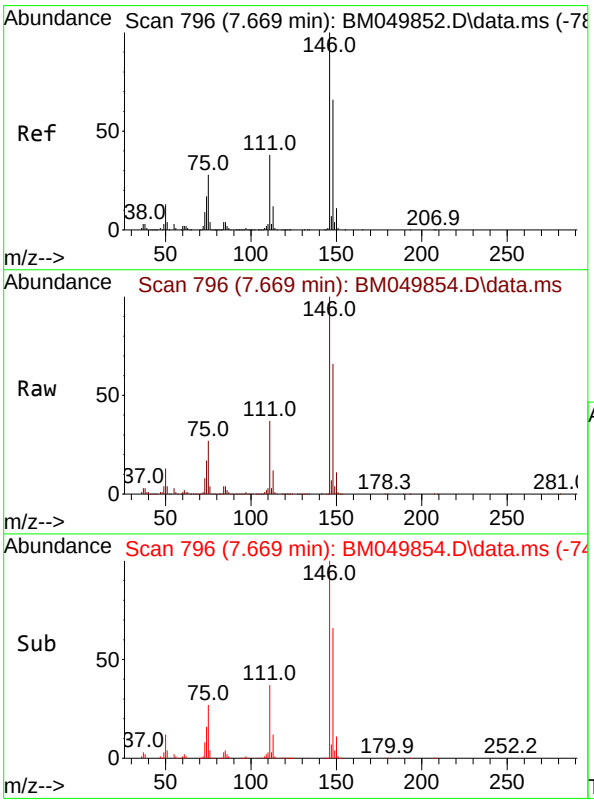
Ion	Ratio	Lower	Upper
93	100		
63	72.2	50.9	90.9
95	32.4	12.6	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

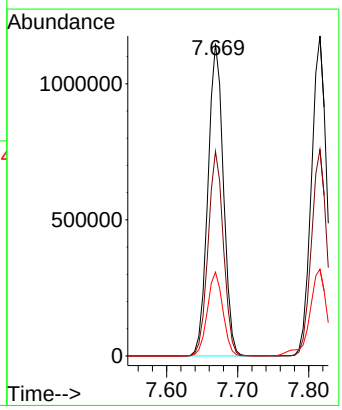
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

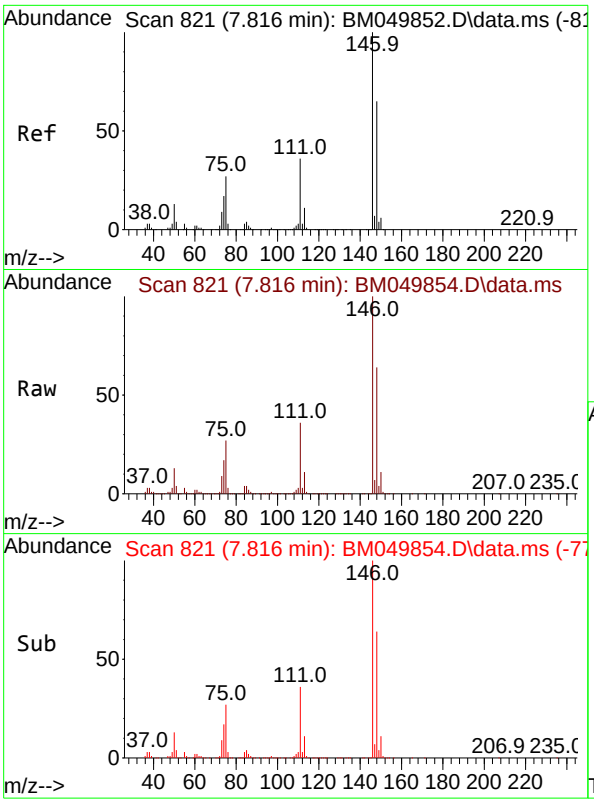


#12
1,3-Dichlorobenzene
Concen: 60.586 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:146 Resp: 1736609

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.5	78.7
75	26.9	22.5	33.7

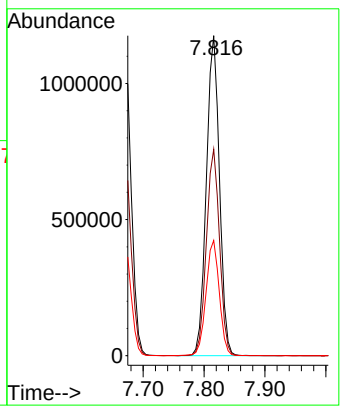




#13
1,4-Dichlorobenzene
Concen: 60.812 ng
RT: 7.816 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:146 Resp: 175389

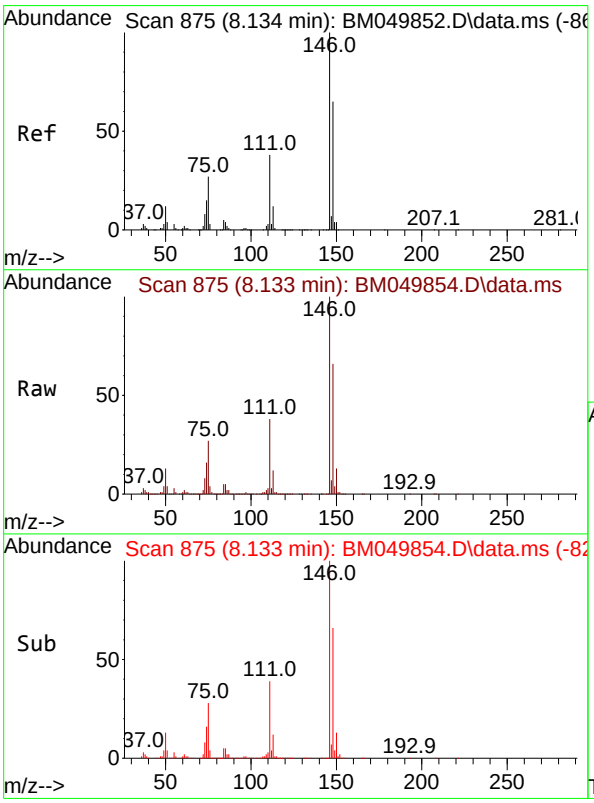
Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.4	78.6
111	36.0	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

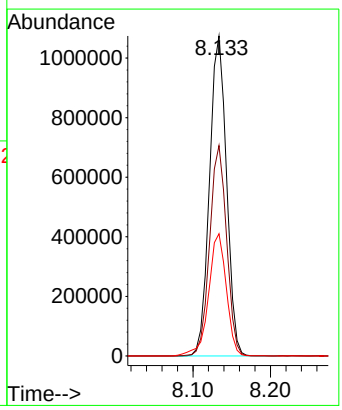
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

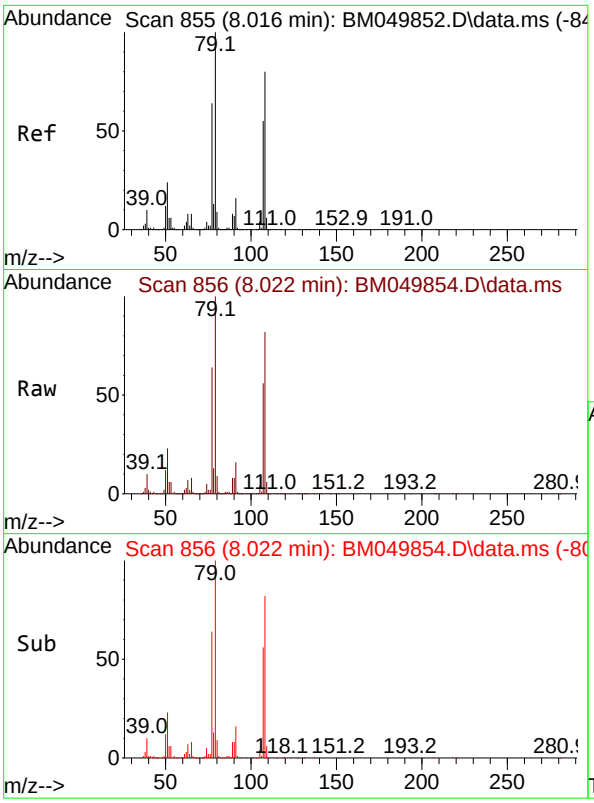


#14
1,2-Dichlorobenzene
Concen: 60.303 ng
RT: 8.133 min Scan# 875
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:146 Resp: 1638164

Ion	Ratio	Lower	Upper
146	100		
148	65.8	51.8	77.8
111	38.2	30.2	45.4





#15
Benzyl Alcohol
Concen: 64.570 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

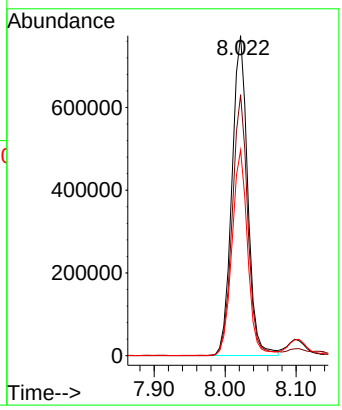
Tgt Ion: 79 Resp: 119679

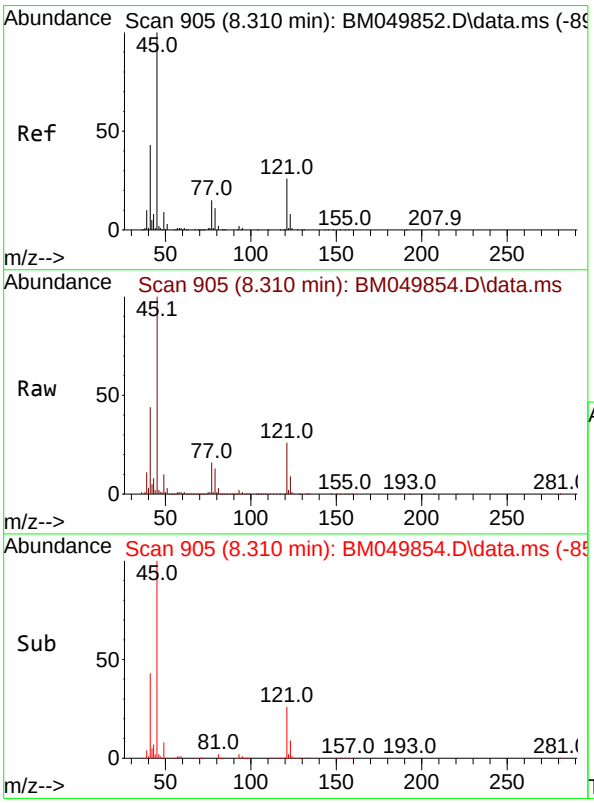
Ion	Ratio	Lower	Upper
79	100		
108	81.6	63.6	95.4
77	64.3	51.3	76.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

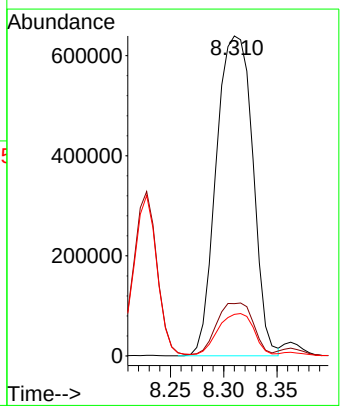


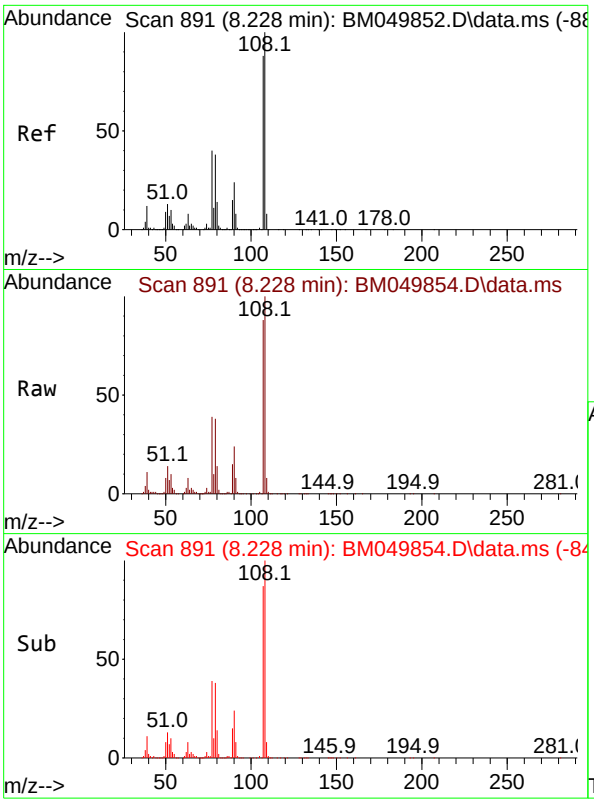


#16
2,2'-oxybis(1-Chloropropane)
Concen: 60.520 ng
RT: 8.310 min Scan# 905
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 45 Resp: 1519404

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	36.9
79	13.0	0.0	32.9

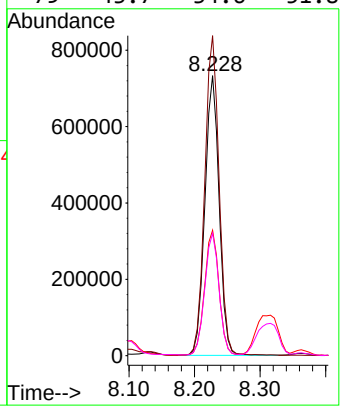




#17
2-Methylphenol
Concen: 62.667 ng
RT: 8.228 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:107 Resp: 110926

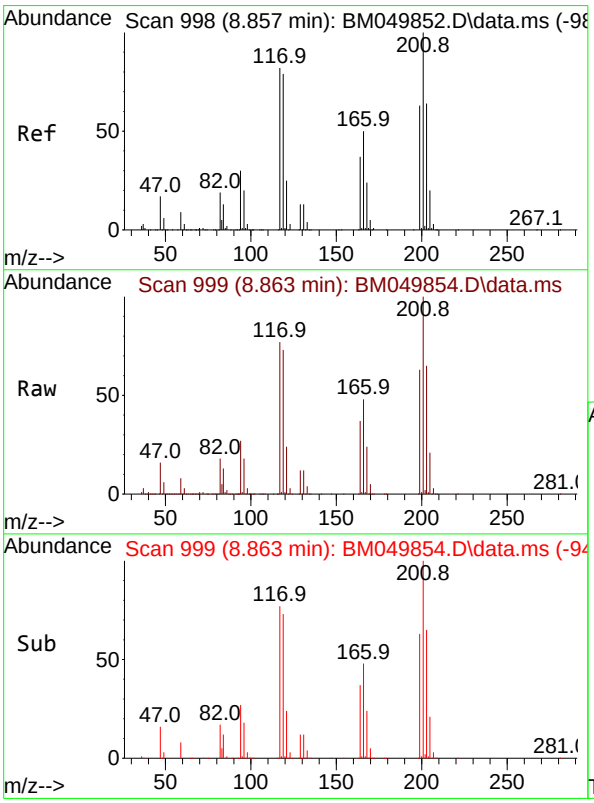
Ion	Ratio	Lower	Upper
107	100		
108	114.3	91.0	136.6
77	44.8	36.5	54.7
79	43.7	34.6	51.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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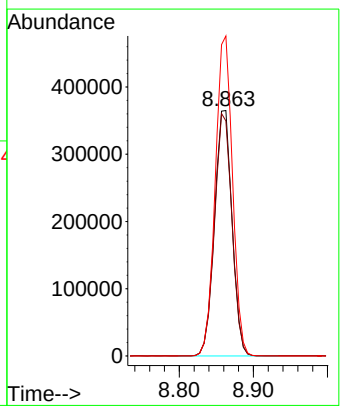
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

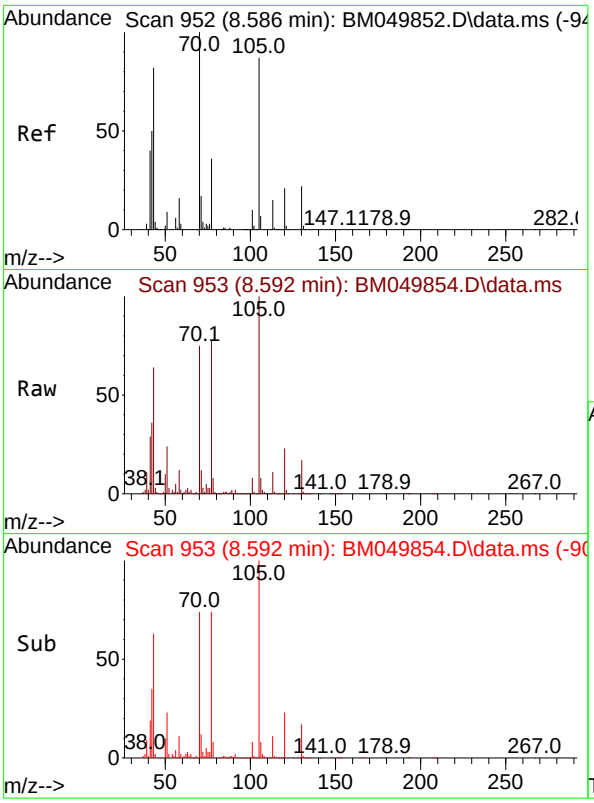


#18
Hexachloroethane
Concen: 60.131 ng
RT: 8.863 min Scan# 999
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:117 Resp: 603367

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.5	116.3
201	130.4	97.7	146.5

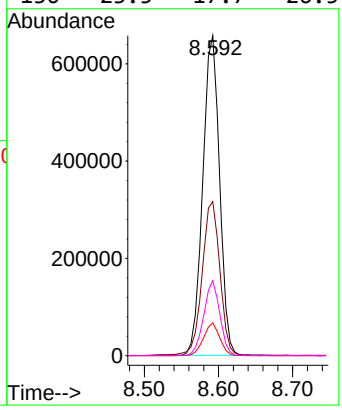




#19
n-Nitroso-di-n-propylamine
Concen: 63.539 ng
RT: 8.592 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 70 Resp: 103583

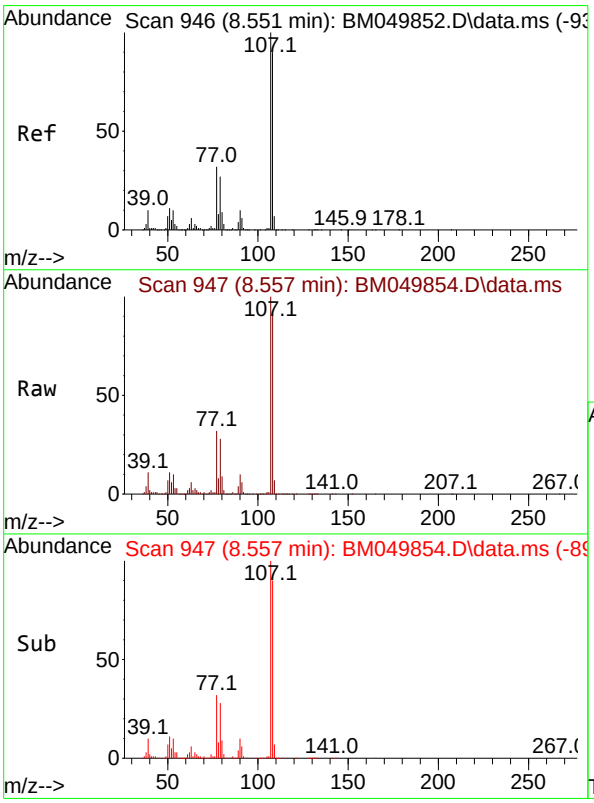
Ion	Ratio	Lower	Upper
70	100		
42	48.2	40.2	60.2
101	10.3	7.9	11.9
130	23.5	17.7	26.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

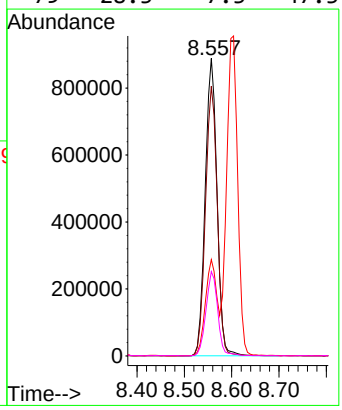
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

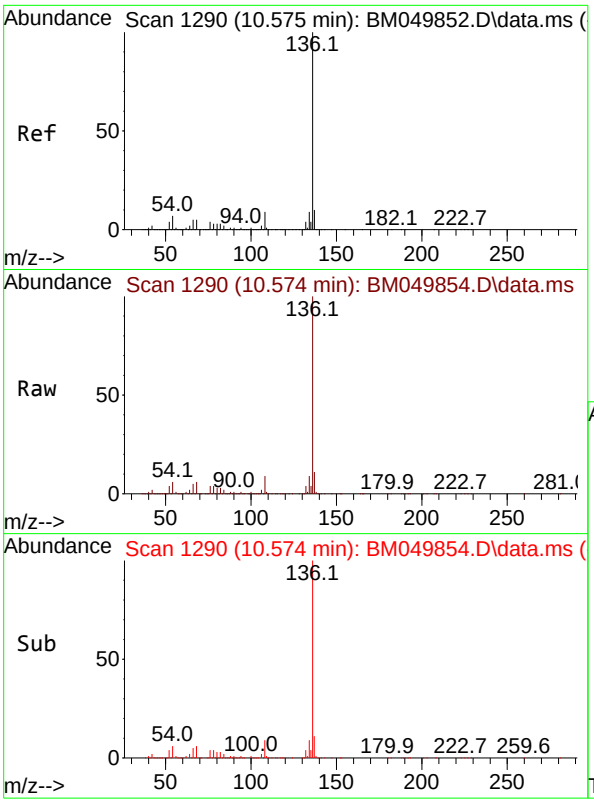


#20
3+4-Methylphenols
Concen: 63.547 ng
RT: 8.557 min Scan# 947
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:107 Resp: 1533520

Ion	Ratio	Lower	Upper
107	100		
108	90.6	69.6	109.6
77	32.4	11.7	51.7
79	28.3	7.3	47.3

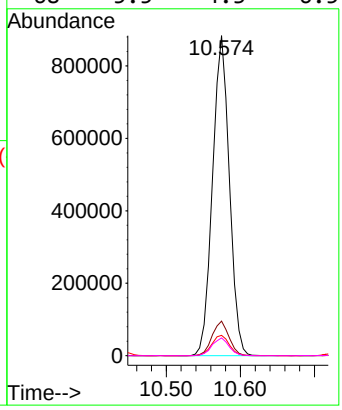




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.574 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:136 Resp: 139386

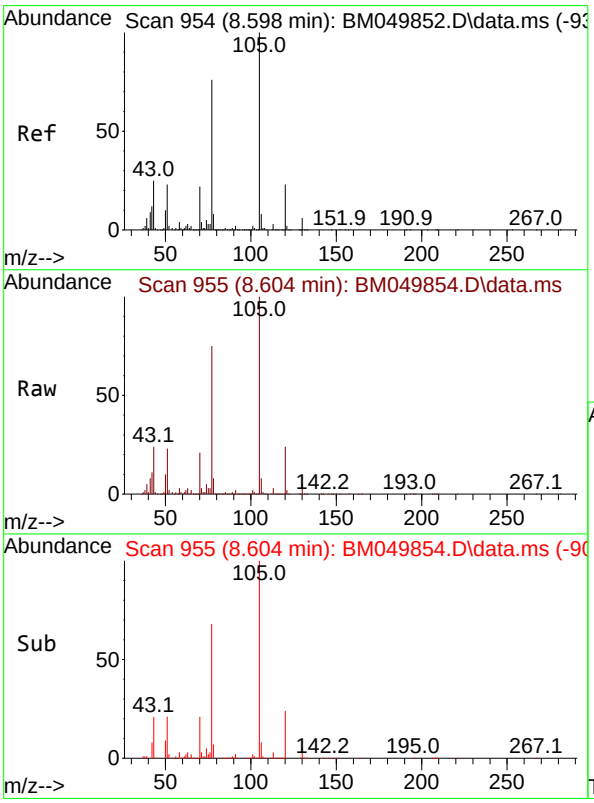
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.4	5.3	7.9
68	5.5	4.3	6.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

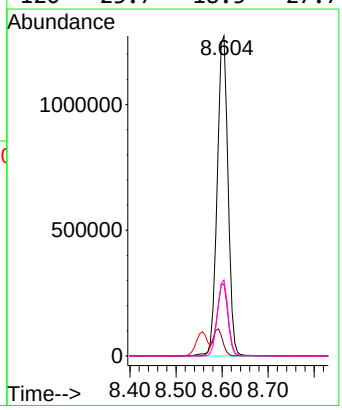
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

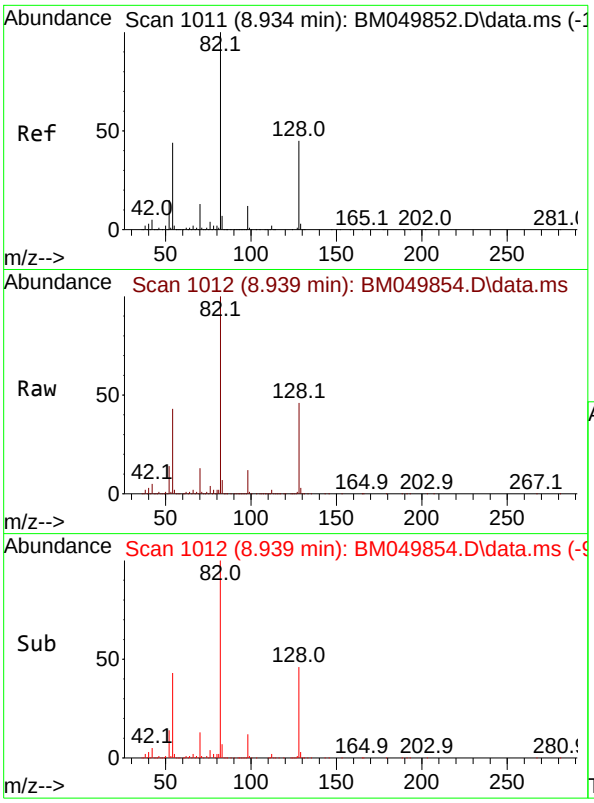


#22
Acetophenone
Concen: 60.992 ng
RT: 8.604 min Scan# 955
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:105 Resp: 2066135

Ion	Ratio	Lower	Upper
105	100		
71	3.4	3.0	4.4
51	22.5	18.6	27.8
120	23.7	18.5	27.7





#23
Nitrobenzene-d5
Concen: 123.564 ng
RT: 8.939 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

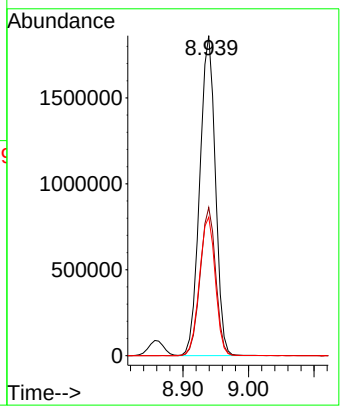
Tgt Ion: 82 Resp: 309293

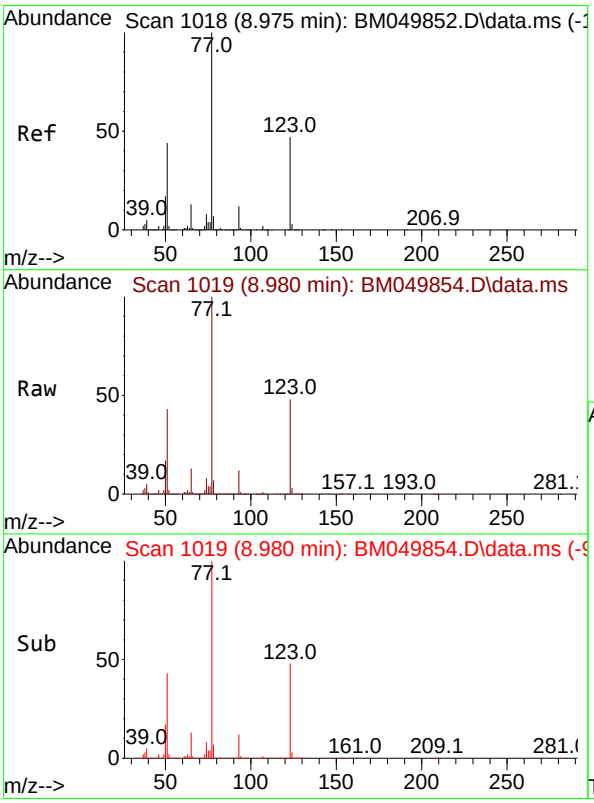
Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.2	54.2
54	43.3	35.0	52.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

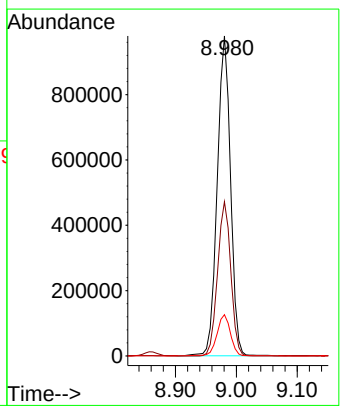


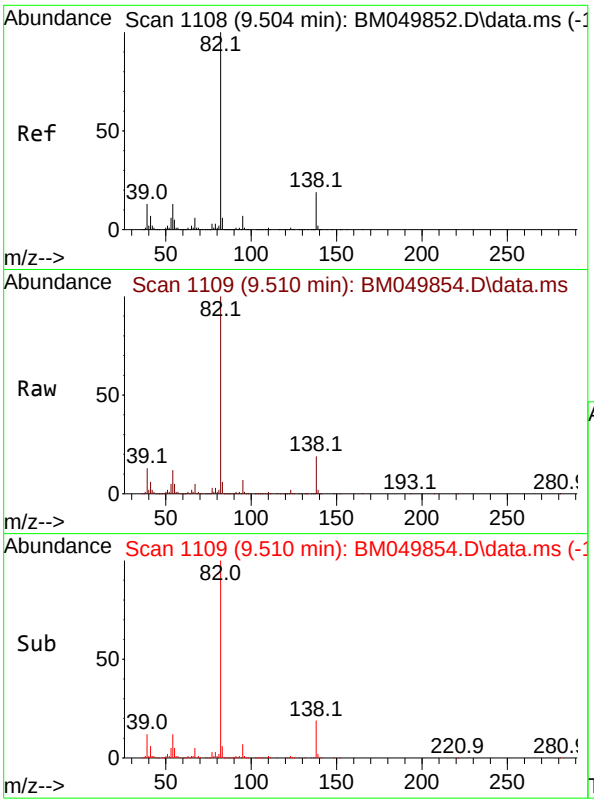


#24
Nitrobenzene
Concen: 61.291 ng
RT: 8.980 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 77 Resp: 1477263

Ion	Ratio	Lower	Upper
77	100		
123	48.2	37.4	56.2
65	12.9	10.1	15.1

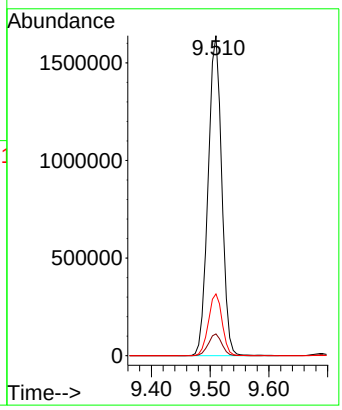




#25
Isophorone
Concen: 62.634 ng
RT: 9.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 82 Resp: 262638

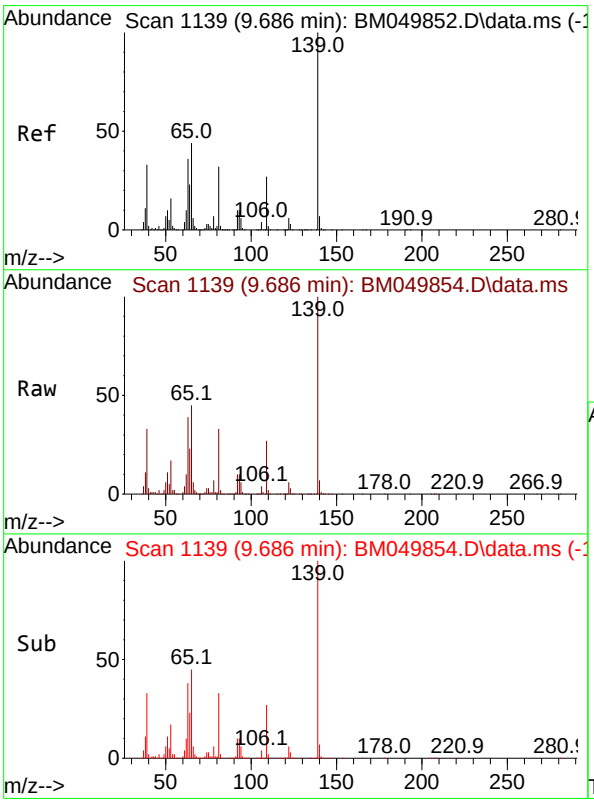
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	19.3	15.0	22.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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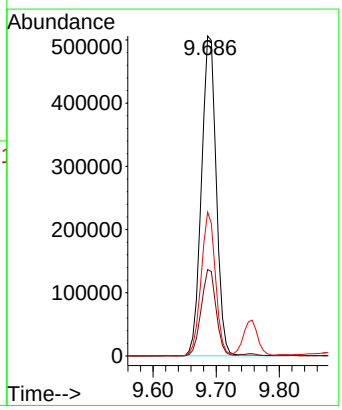
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

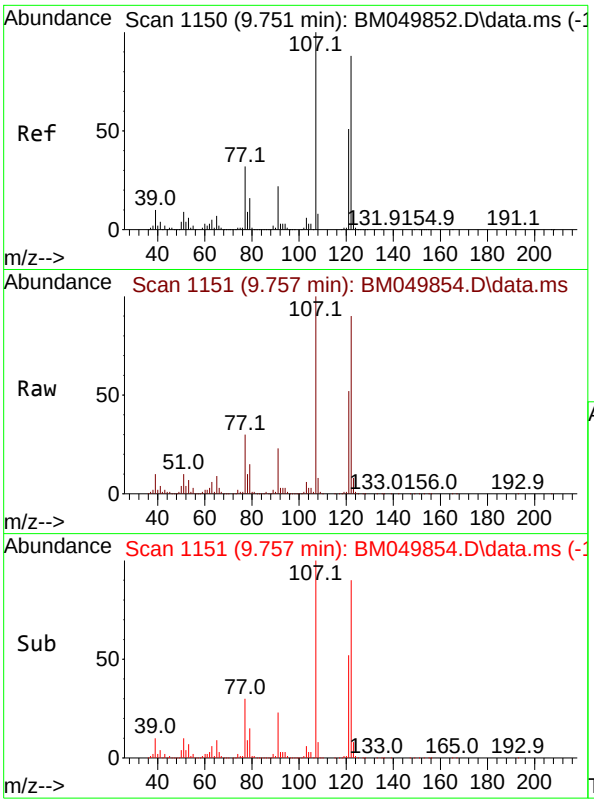


#26
2-Nitrophenol
Concen: 64.513 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:139 Resp: 824140

Ion	Ratio	Lower	Upper
139	100		
109	27.0	21.7	32.5
65	45.0	35.2	52.8

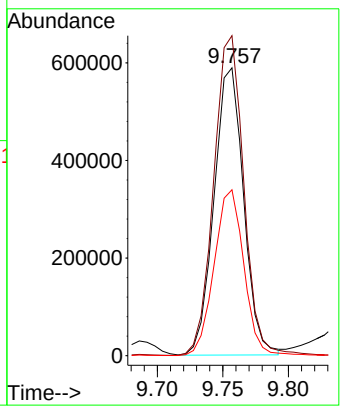




#27
2,4-Dimethylphenol
Concen: 63.809 ng
RT: 9.757 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:122 Resp: 92379

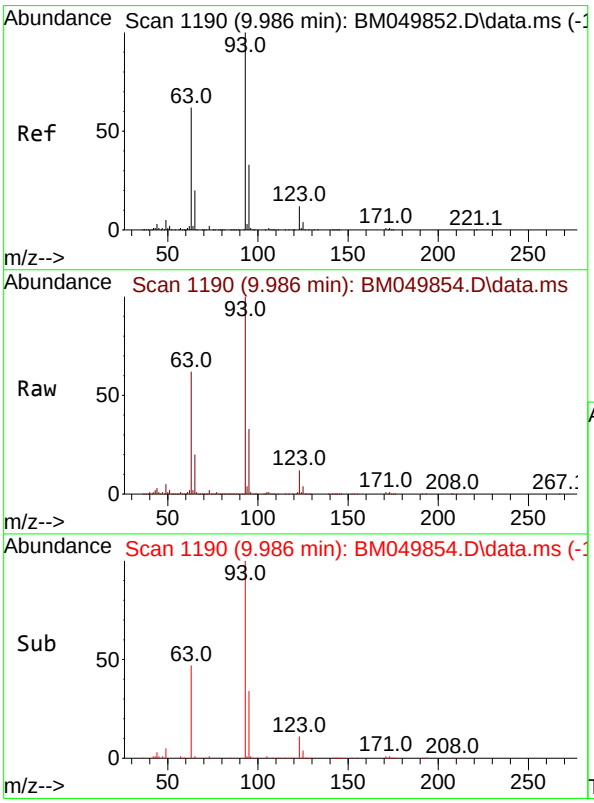
Ion	Ratio	Lower	Upper
122	100		
107	111.2	90.3	135.5
121	57.6	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

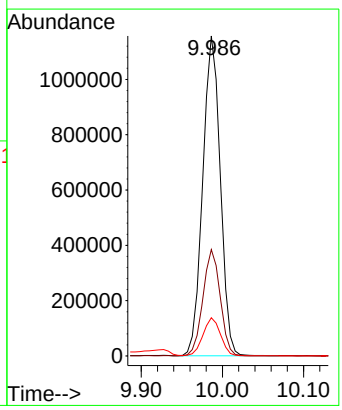
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

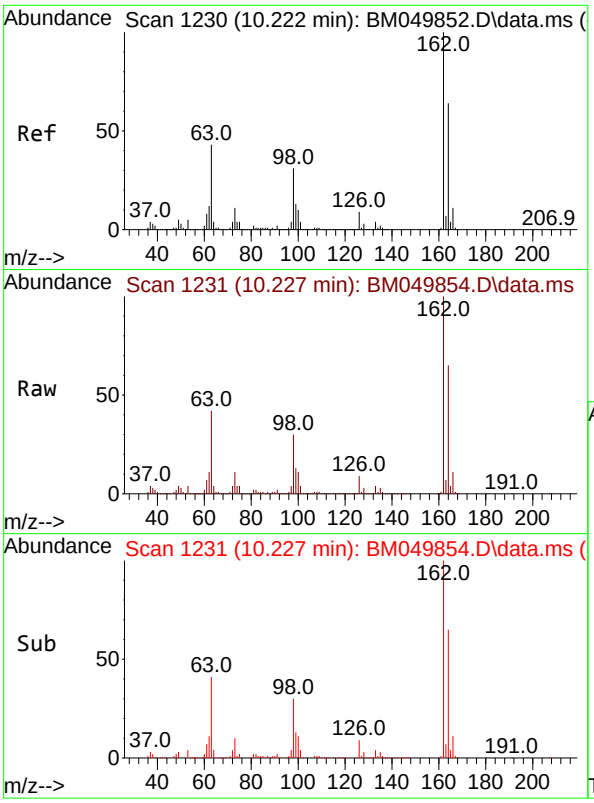


#28
bis(2-Chloroethoxy)methane
Concen: 61.780 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 93 Resp: 1734345

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.6	40.0
123	12.0	9.5	14.3

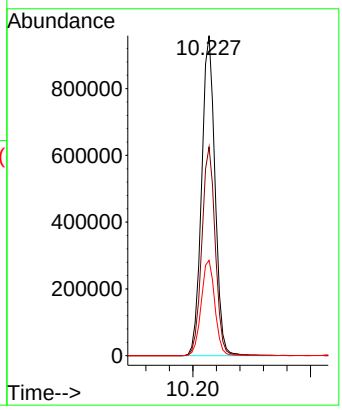




#29
2,4-Dichlorophenol
Concen: 63.187 ng
RT: 10.227 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:162 Resp: 152062

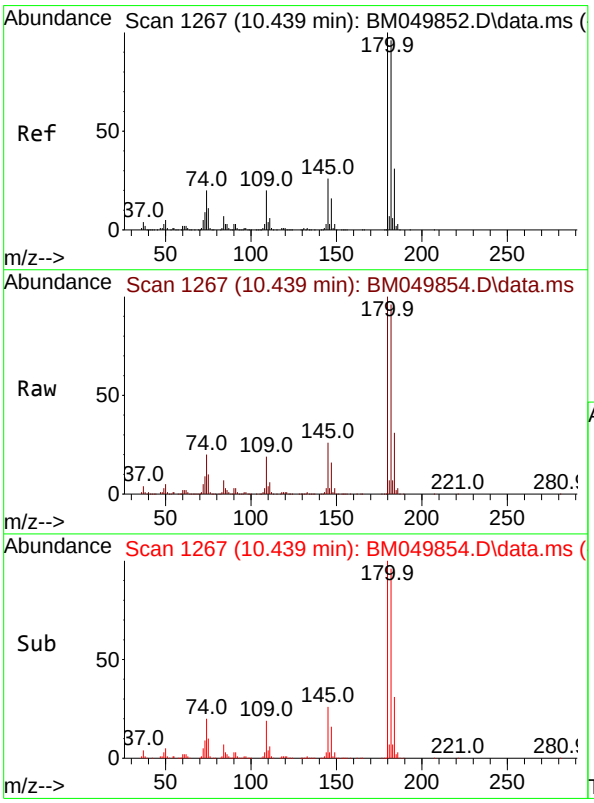
Ion	Ratio	Lower	Upper
162	100		
164	65.3	44.3	84.3
98	29.8	10.9	50.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

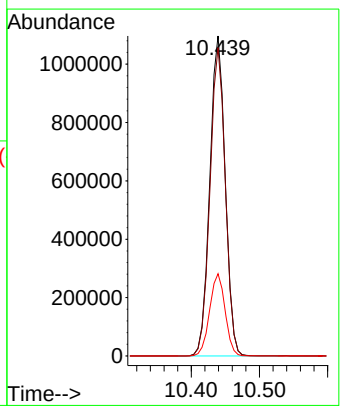
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

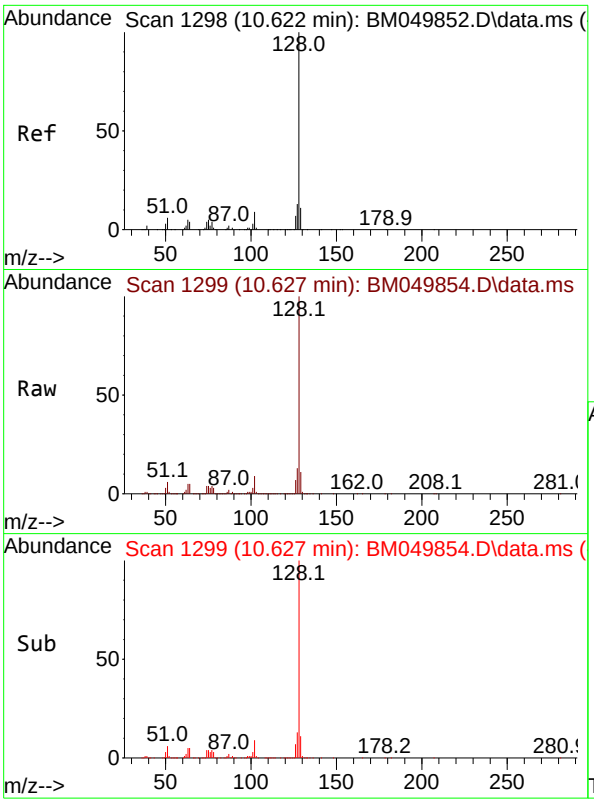


#30
1,2,4-Trichlorobenzene
Concen: 61.949 ng
RT: 10.439 min Scan# 1267
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:180 Resp: 1724659

Ion	Ratio	Lower	Upper
180	100		
182	96.4	76.7	115.1
145	25.7	20.8	31.2

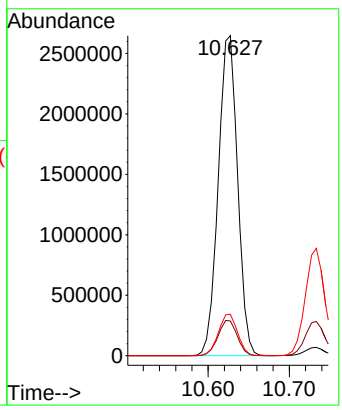




#31
Naphthalene
Concen: 61.309 ng
RT: 10.627 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:128 Resp: 439106

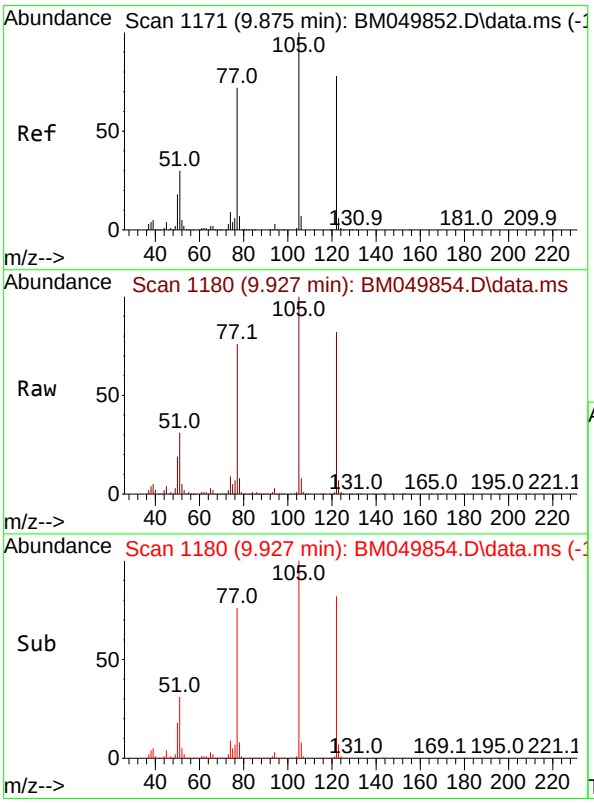
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.0	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

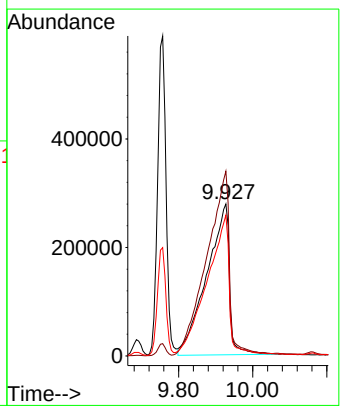
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

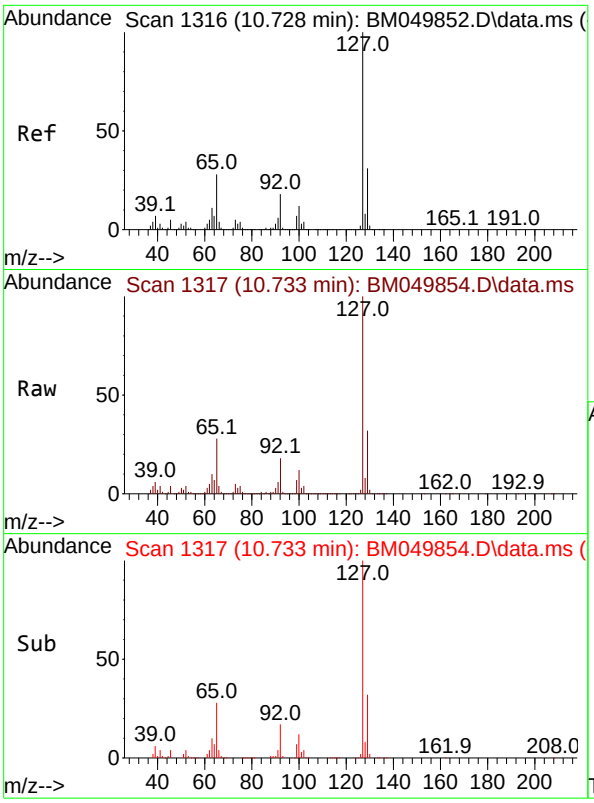


#32
Benzoic acid
Concen: 62.653 ng
RT: 9.927 min Scan# 1180
Delta R.T. 0.052 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:122 Resp: 1181344

Ion	Ratio	Lower	Upper
122	100		
105	121.5	103.8	143.8
77	92.7	70.7	110.7

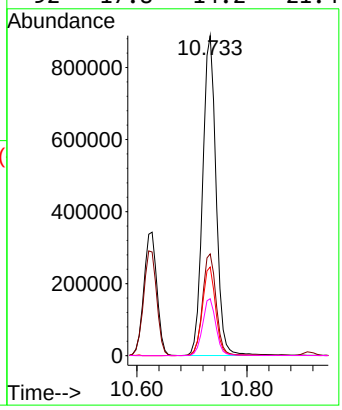




#33
4-Chloroaniline
Concen: 59.431 ng
RT: 10.733 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:127 Resp: 150304

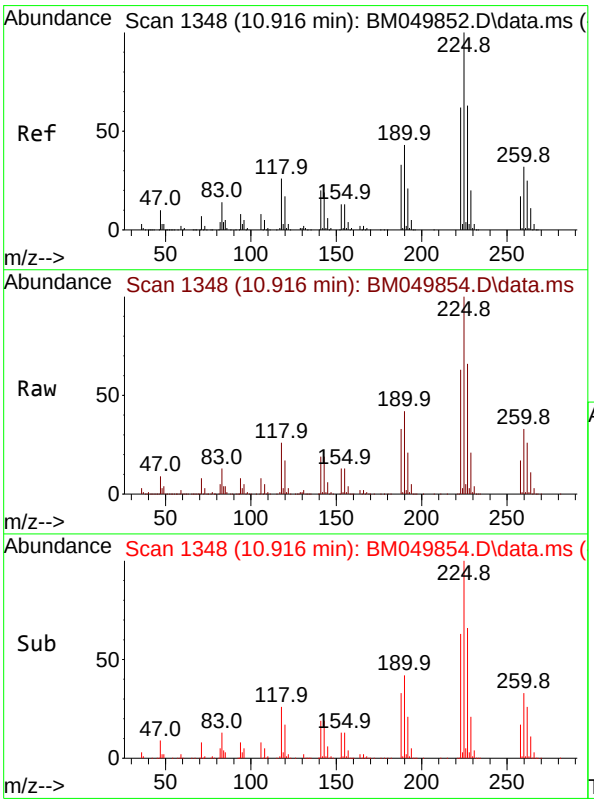
Ion	Ratio	Lower	Upper
127	100		
129	31.8	24.9	37.3
65	27.7	22.4	33.6
92	17.8	14.2	21.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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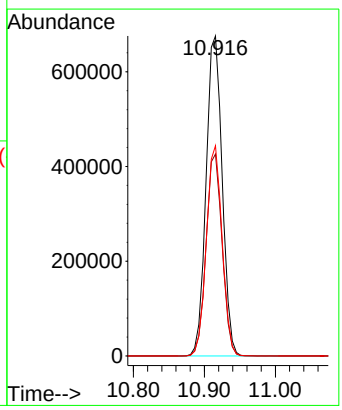
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

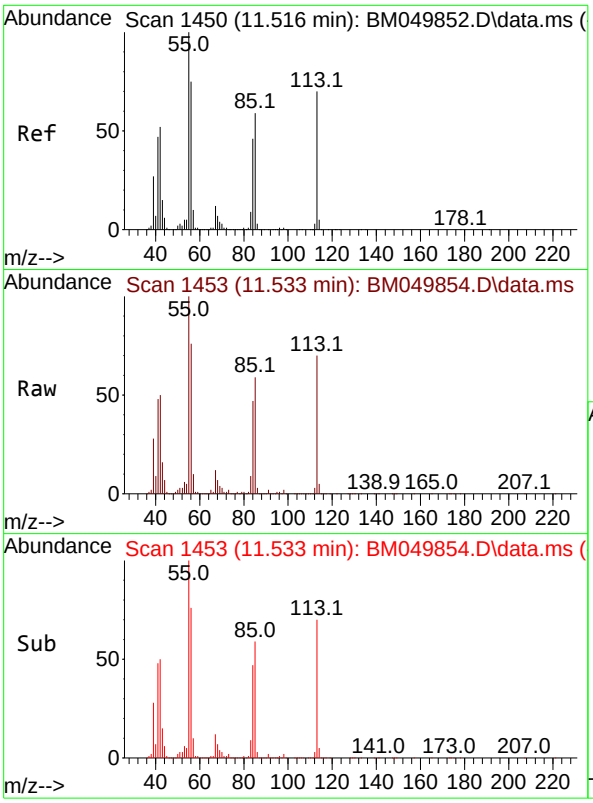


#34
Hexachlorobutadiene
Concen: 61.808 ng
RT: 10.916 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:225 Resp: 1064394

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.4	74.2
227	65.7	50.1	75.1





#35
Caprolactam
Concen: 64.529 ng
RT: 11.533 min Scan# 14
Delta R.T. 0.018 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

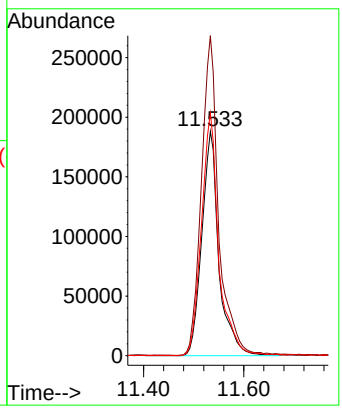
Tgt Ion:113 Resp: 44539

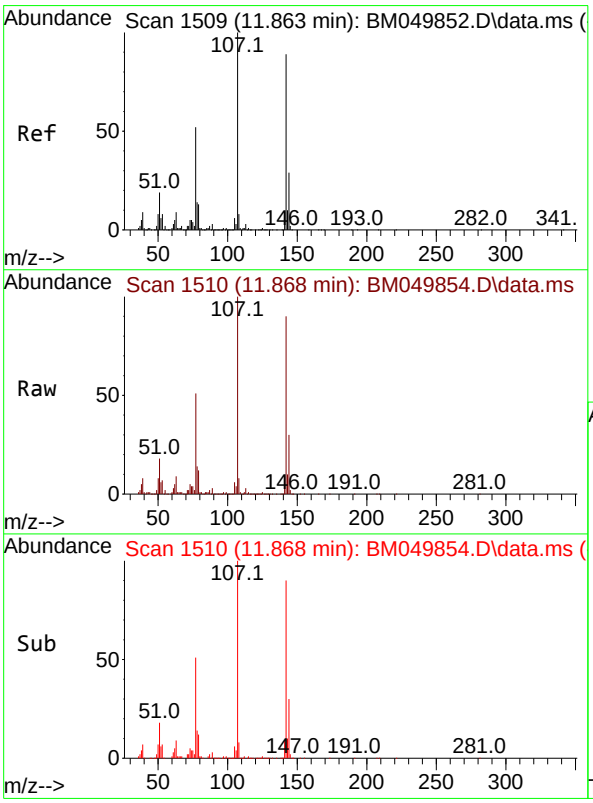
Ion	Ratio	Lower	Upper
113	100		
55	142.6	124.3	164.3
56	108.2	87.5	127.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

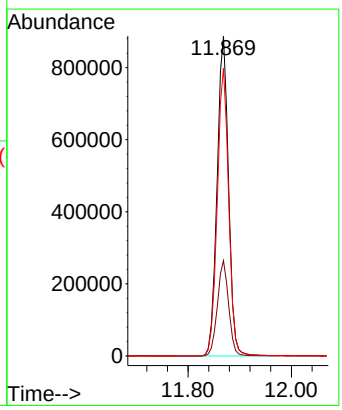


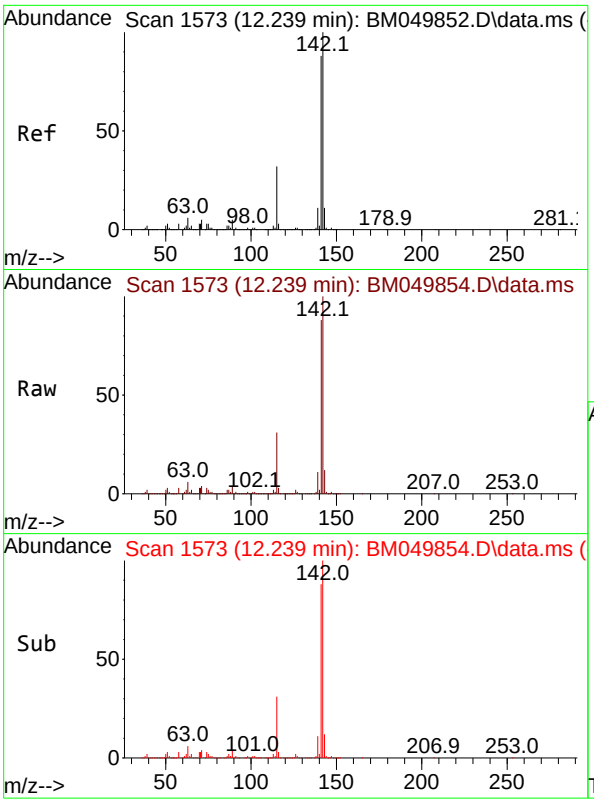


#36
4-Chloro-3-methylphenol
Concen: 64.713 ng
RT: 11.868 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:107 Resp: 1364157

Ion	Ratio	Lower	Upper
107	100		
144	29.8	23.6	35.4
142	90.0	71.4	107.0

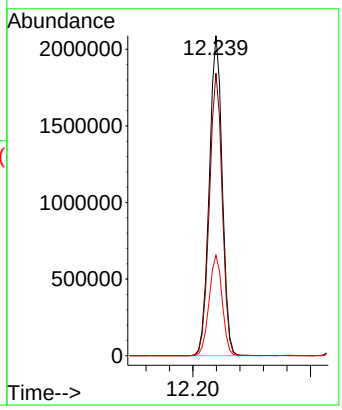




#37
2-Methylnaphthalene
Concen: 63.104 ng
RT: 12.239 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:142 Resp: 318436

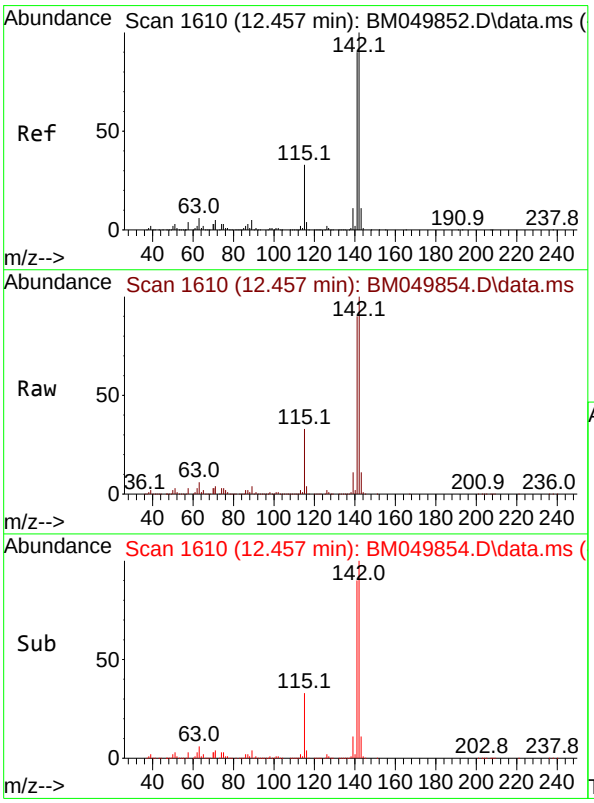
Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.2	105.2
115	31.4	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

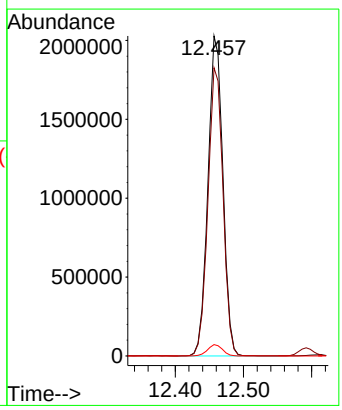
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

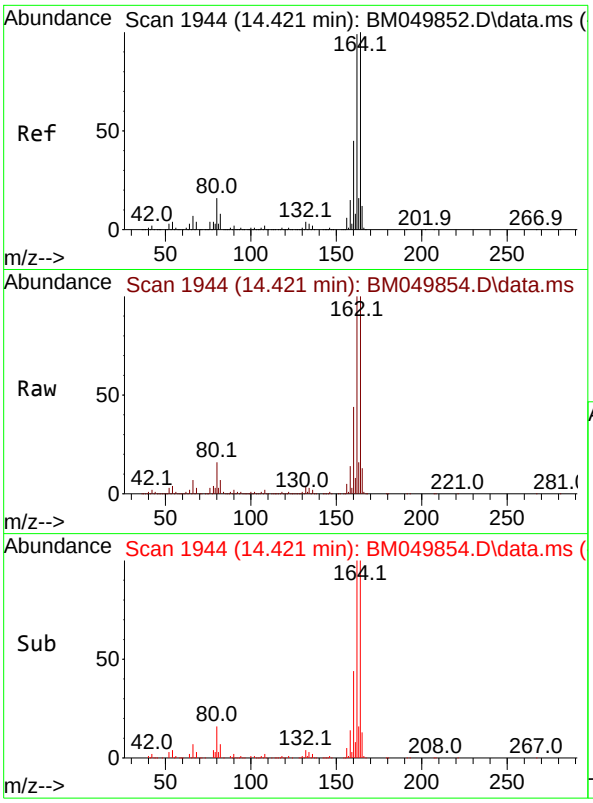


#38
1-Methylnaphthalene
Concen: 62.893 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:142 Resp: 3091968

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.2	108.2
116	3.6	2.9	4.3

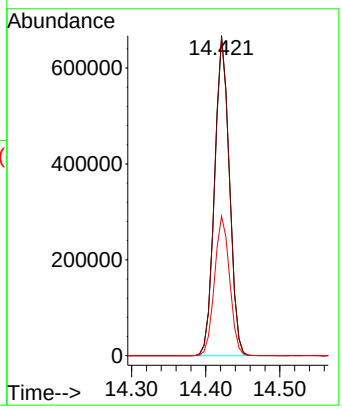




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:164 Resp: 92542

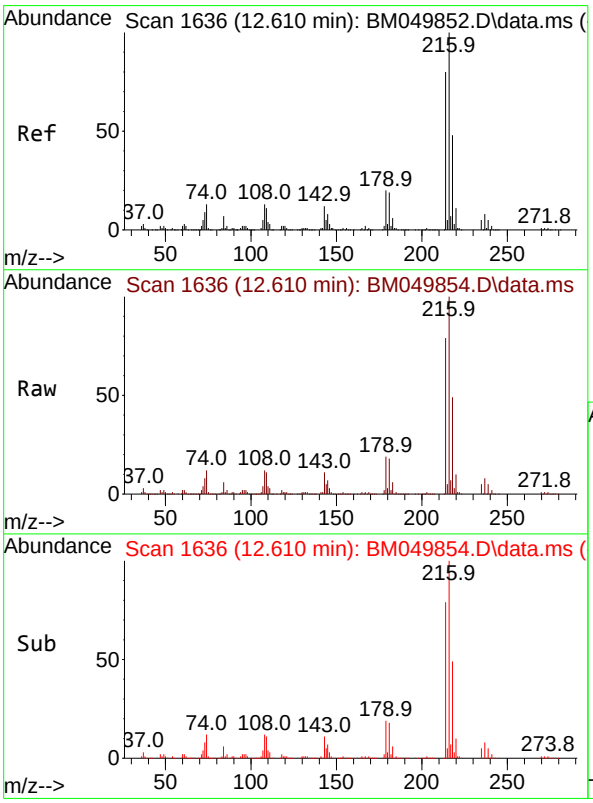
Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.4	119.0
160	43.6	36.2	54.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

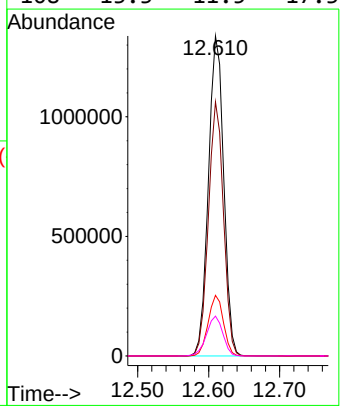
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

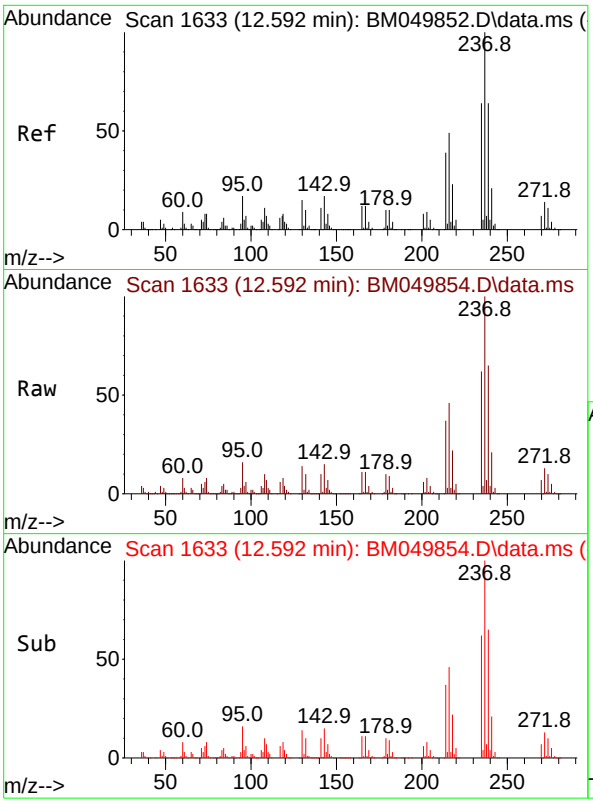


#40
1,2,4,5-Tetrachlorobenzene
Concen: 61.857 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:216 Resp: 2002675

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.2	94.8
179	18.9	15.8	23.6
108	13.3	11.5	17.3

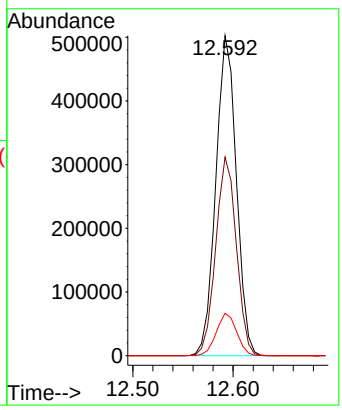




#41
Hexachlorocyclopentadiene
Concen: 63.016 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:237 Resp: 71489

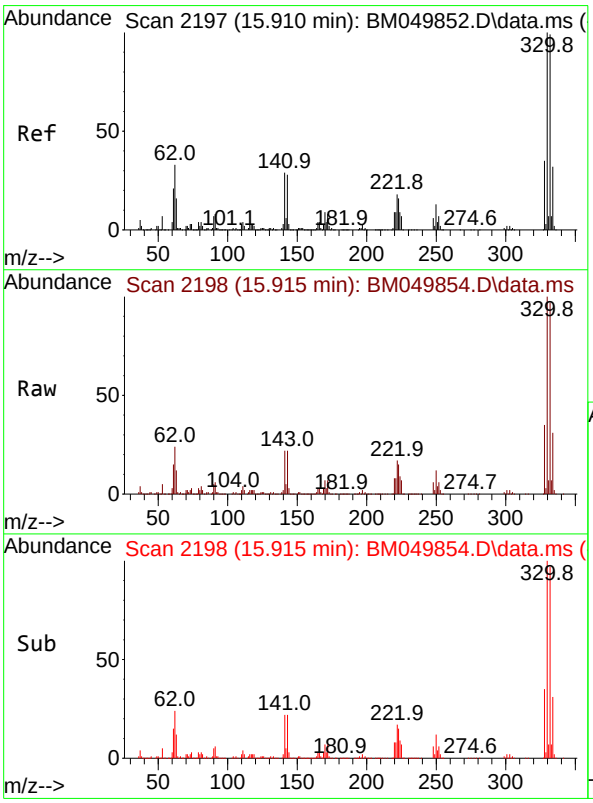
Ion	Ratio	Lower	Upper
237	100		
235	62.1	43.7	83.7
272	13.3	0.0	33.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

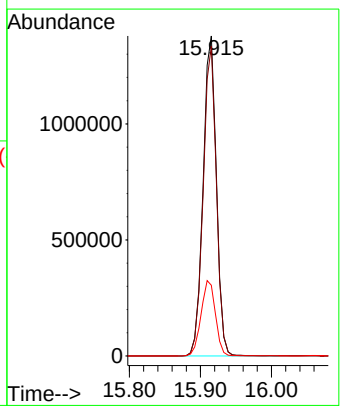
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

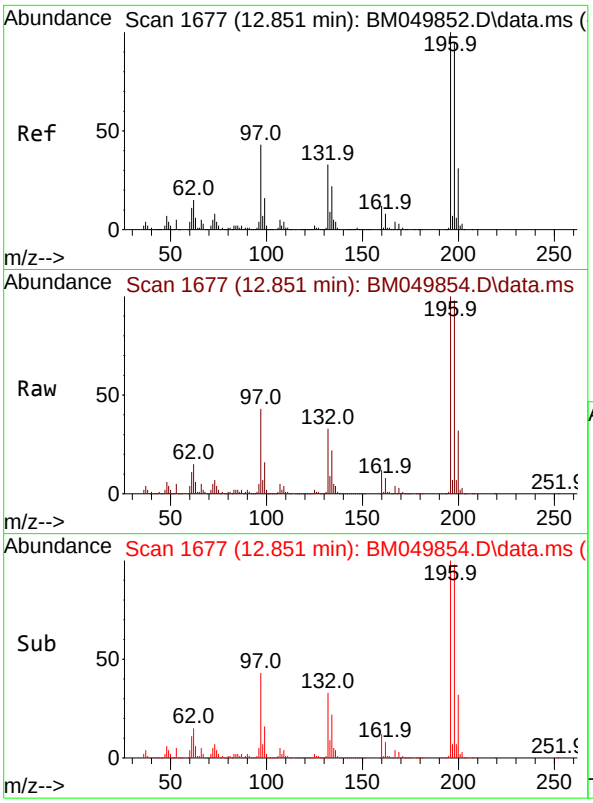


#42
2,4,6-Tribromophenol
Concen: 133.337 ng
RT: 15.915 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:330 Resp: 1794801

Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.0	117.0
141	25.6	23.5	35.3

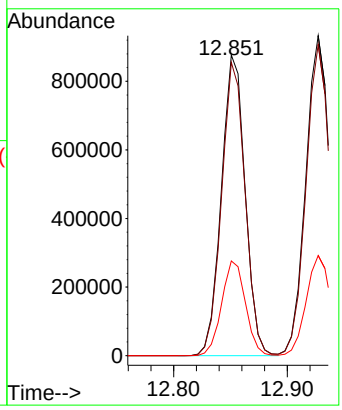




#43
2,4,6-Trichlorophenol
Concen: 61.873 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:196 Resp: 127469

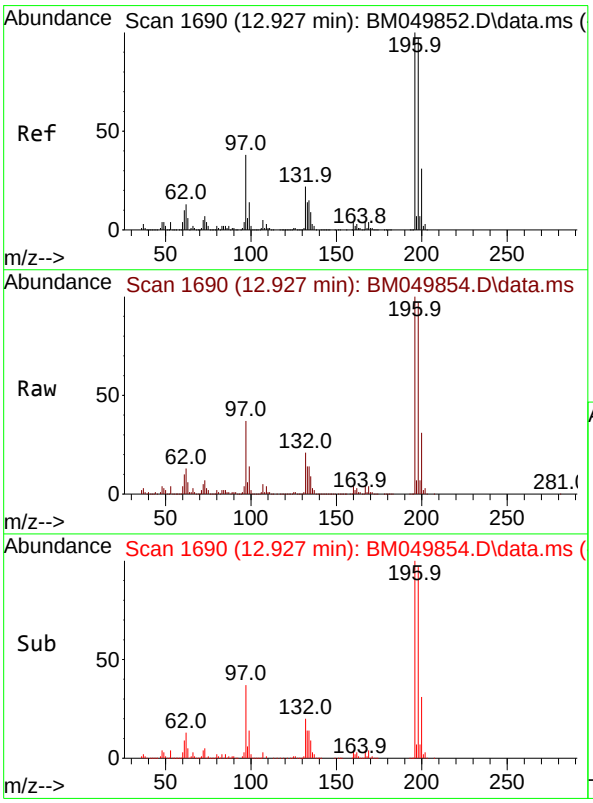
Ion	Ratio	Lower	Upper
196	100		
198	97.5	76.1	114.1
200	31.5	24.7	37.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

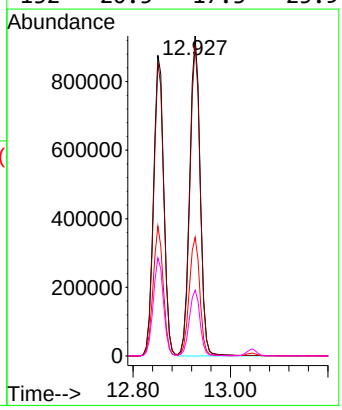
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

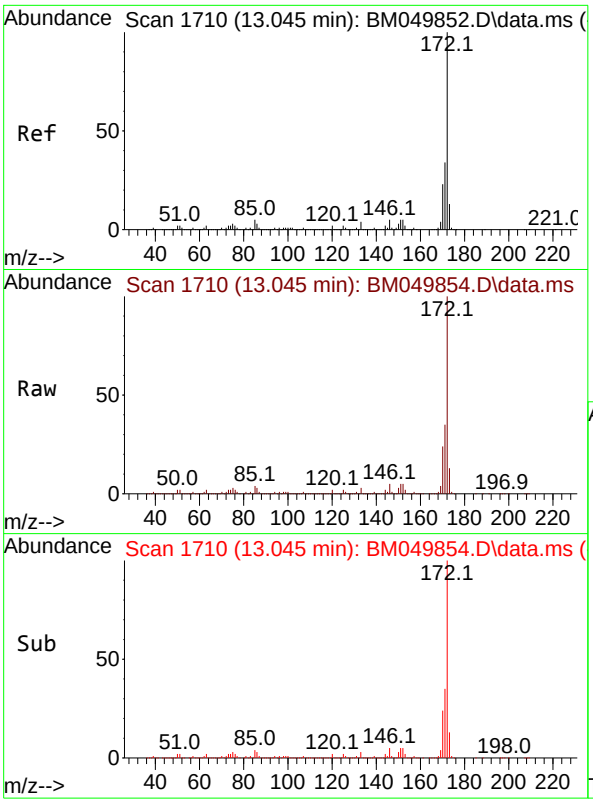


#44
2,4,5-Trichlorophenol
Concen: 62.494 ng
RT: 12.927 min Scan# 1690
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:196 Resp: 1399112

Ion	Ratio	Lower	Upper
196	100		
198	97.2	77.7	116.5
97	37.1	30.3	45.5
132	20.5	17.3	25.9

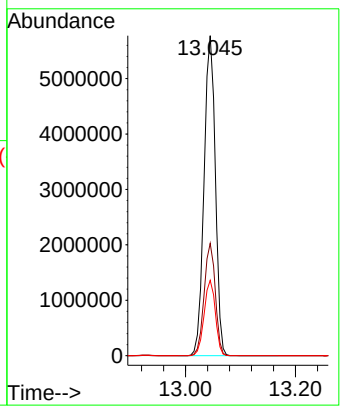




#45
2-Fluorobiphenyl
Concen: 120.538 ng
RT: 13.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:172 Resp: 822625

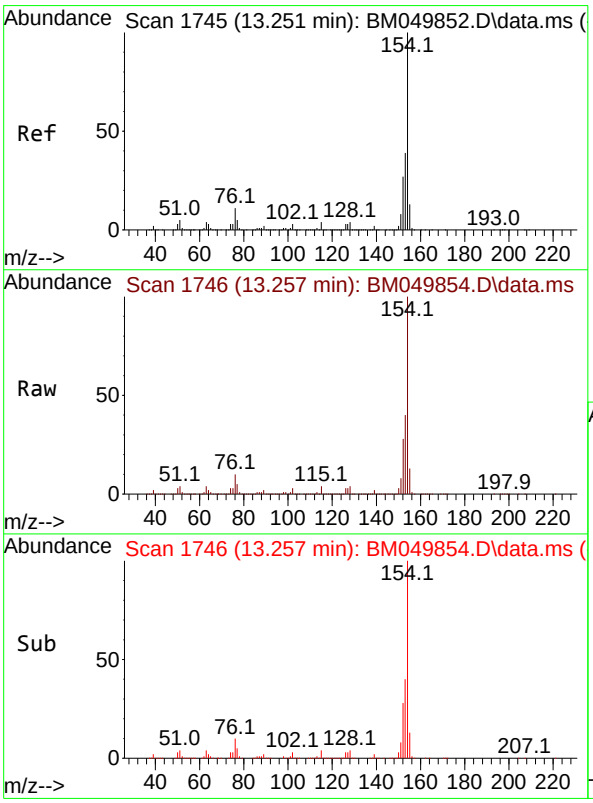
Ion	Ratio	Lower	Upper
172	100		
171	35.1	27.4	41.2
170	23.5	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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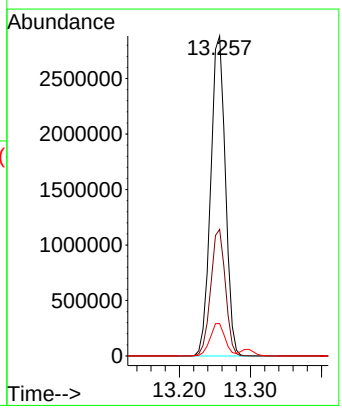
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

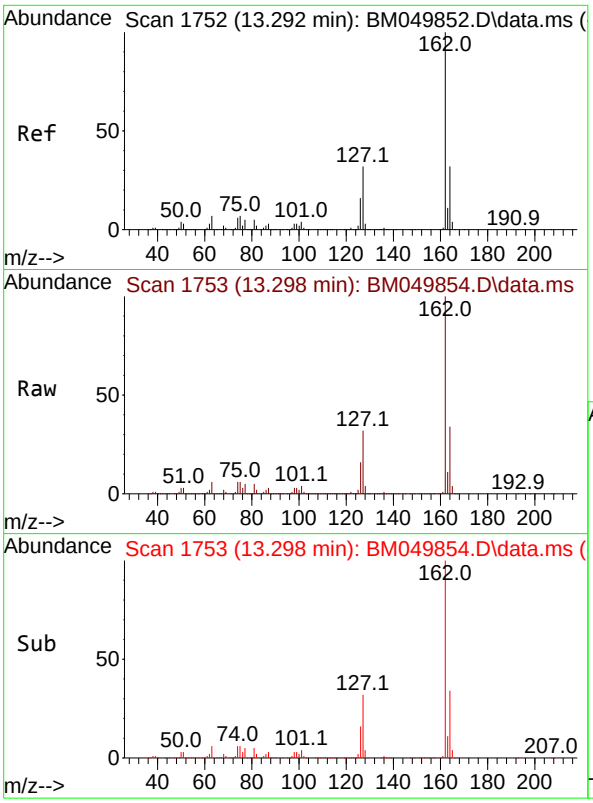


#46
1,1'-Biphenyl
Concen: 60.146 ng
RT: 13.257 min Scan# 1746
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:154 Resp: 4137656

Ion	Ratio	Lower	Upper
154	100		
153	39.6	19.3	59.3
76	10.1	0.0	30.7

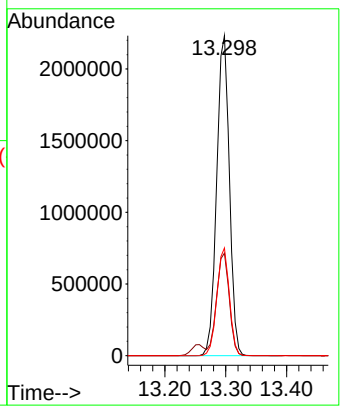




#47
2-Chloronaphthalene
Concen: 59.679 ng
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:162 Resp: 322686

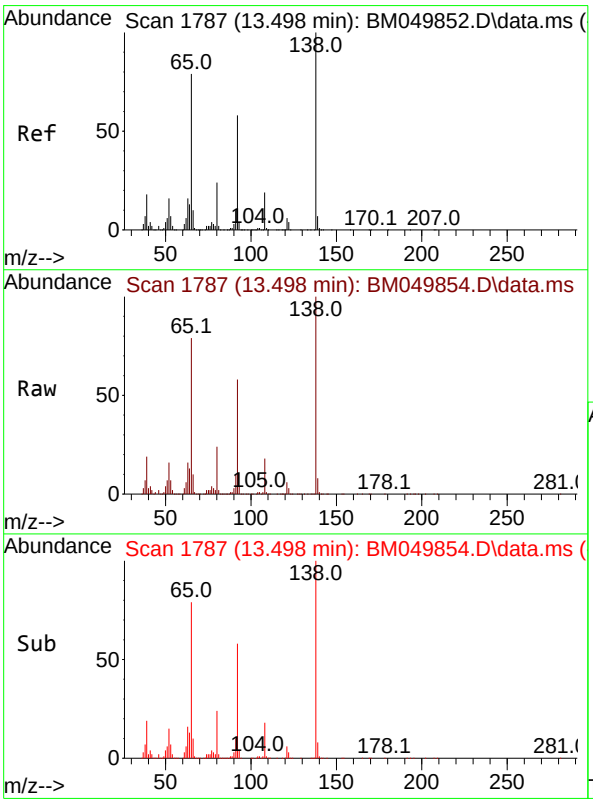
Ion	Ratio	Lower	Upper
162	100		
127	32.0	26.0	39.0
164	33.7	25.9	38.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

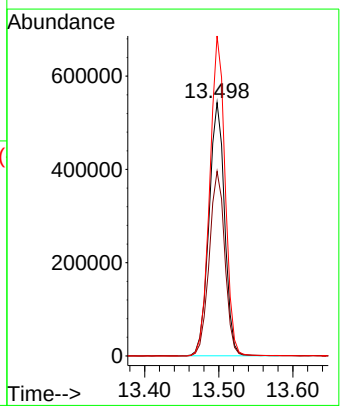
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

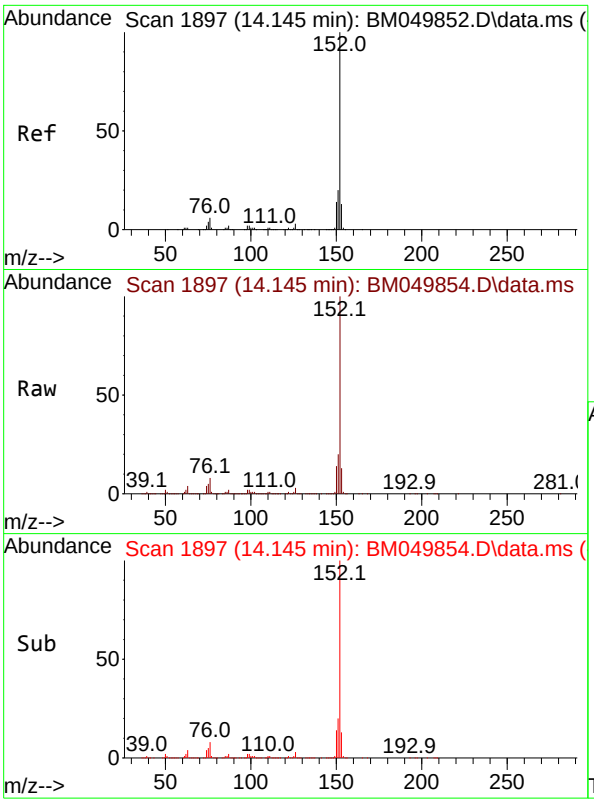


#48
2-Nitroaniline
Concen: 63.562 ng
RT: 13.498 min Scan# 1787
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 65 Resp: 795093

Ion	Ratio	Lower	Upper
65	100		
92	72.9	58.4	87.6
138	126.3	100.8	151.2

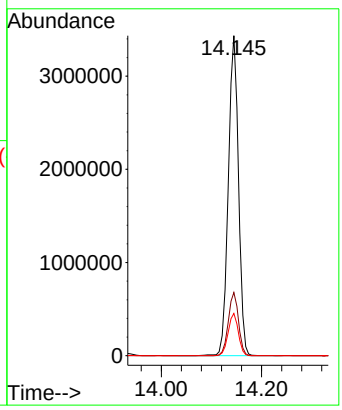




#49
Acenaphthylene
Concen: 61.175 ng
RT: 14.145 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:152 Resp: 481822

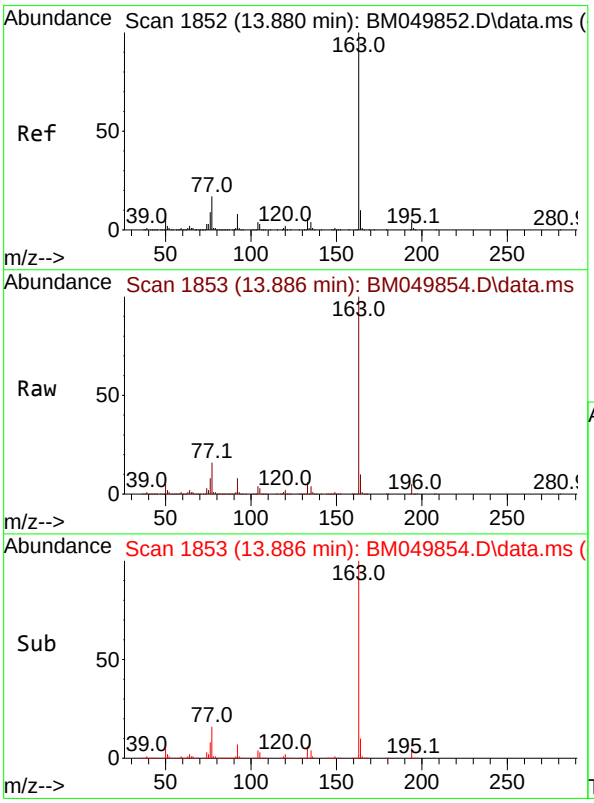
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.2	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

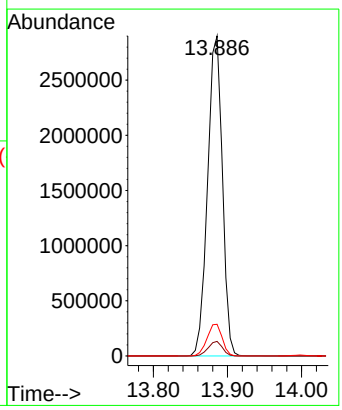
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

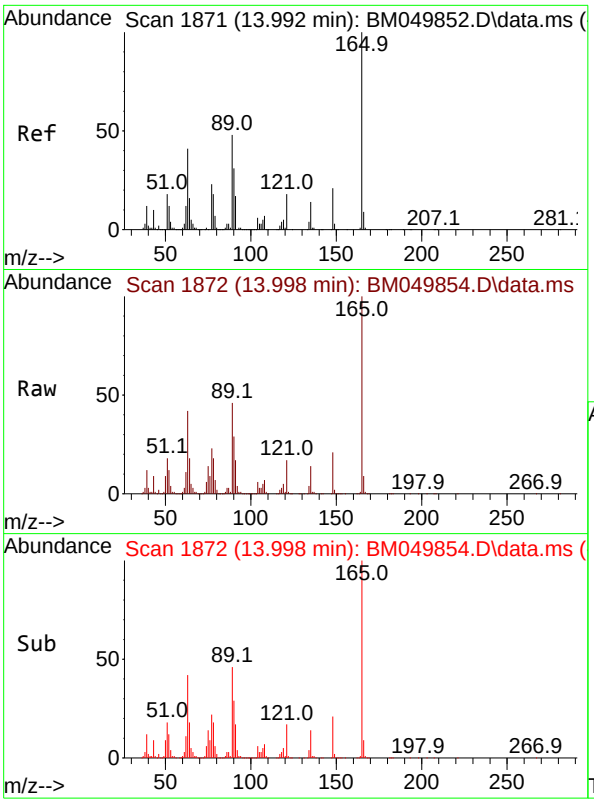


#50
Dimethylphthalate
Concen: 61.481 ng
RT: 13.886 min Scan# 1853
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:163 Resp: 4013924

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	9.9	7.9	11.9

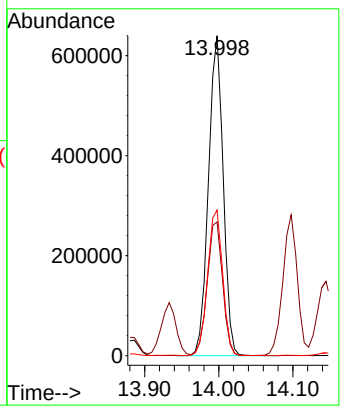




#51
2,6-Dinitrotoluene
Concen: 64.439 ng
RT: 13.998 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:165 Resp: 88143

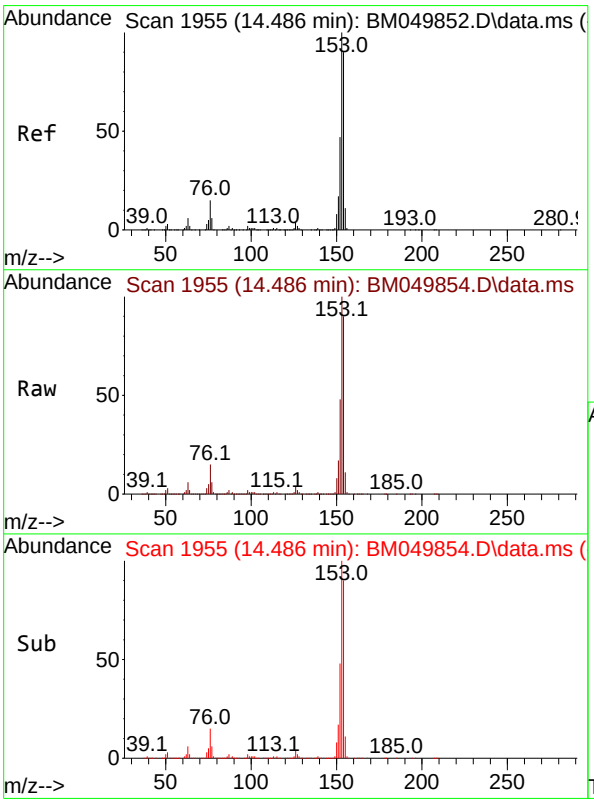
Ion	Ratio	Lower	Upper
165	100		
63	41.8	36.1	54.1
89	45.5	38.3	57.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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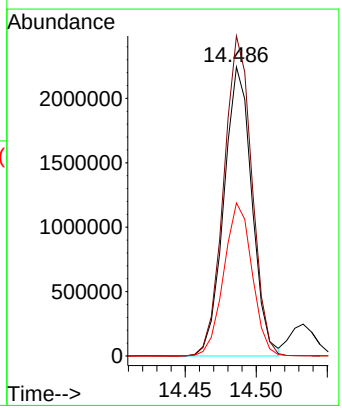
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

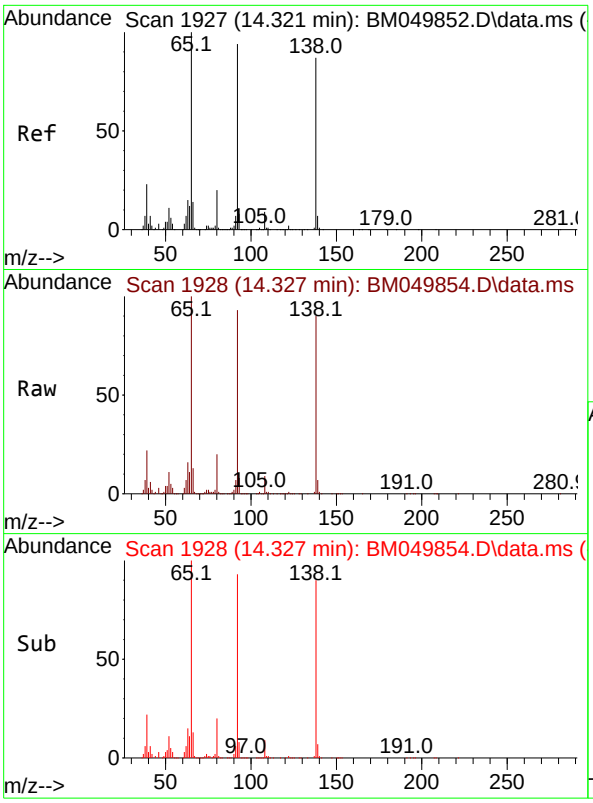


#52
Acenaphthene
Concen: 61.523 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:154 Resp: 3082249

Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.3	133.9
152	52.9	42.2	63.2





#53
3-Nitroaniline
Concen: 61.958 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

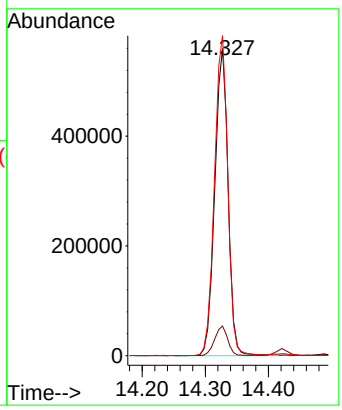
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

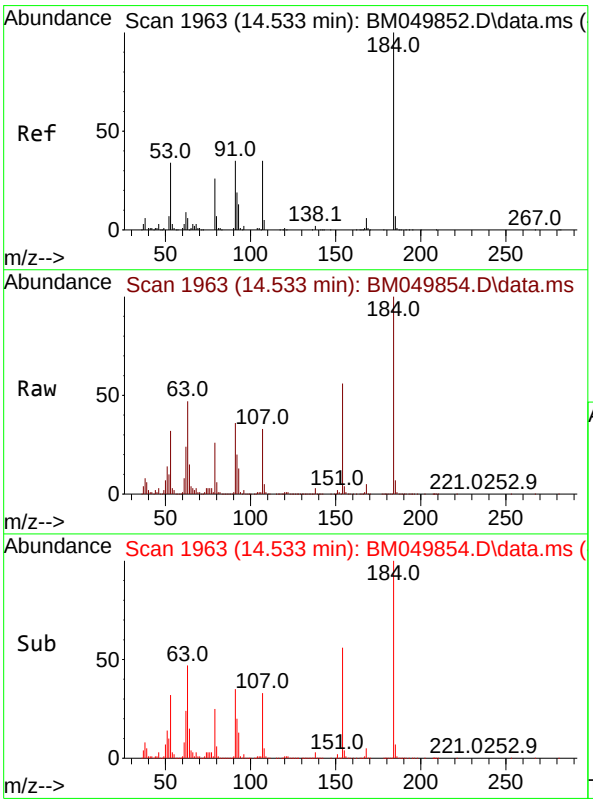
Tgt Ion:138 Resp: 81911

Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.1	12.1
92	104.2	86.5	129.7

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

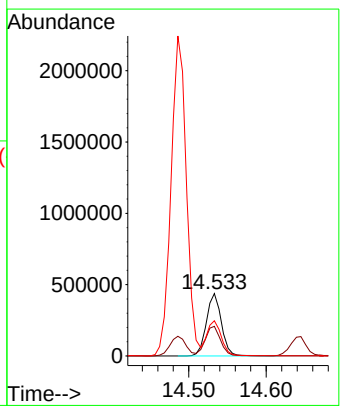


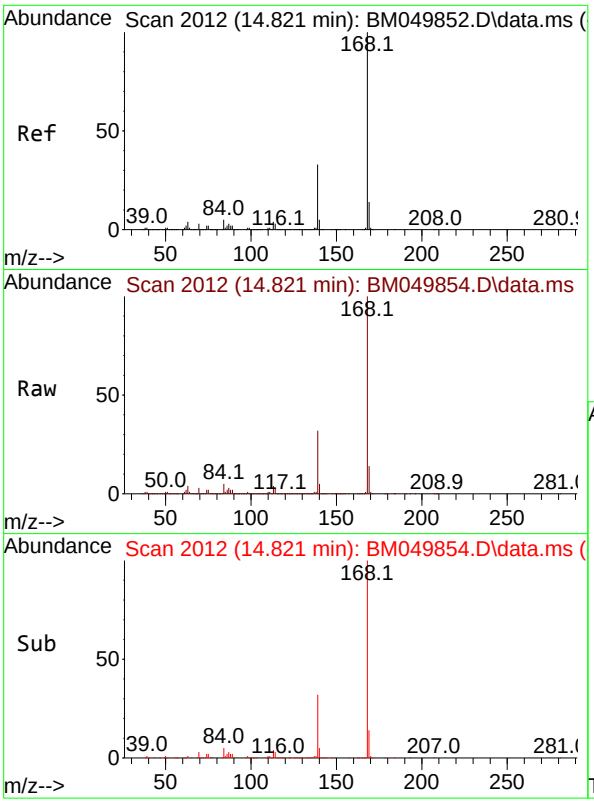


#54
2,4-Dinitrophenol
Concen: 61.369 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:184 Resp: 589583

Ion	Ratio	Lower	Upper
184	100		
63	47.4	38.4	57.6
154	56.4	48.1	72.1

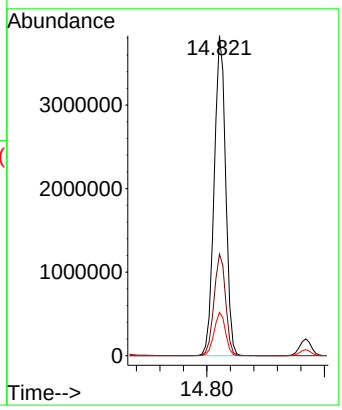




#55
Dibenzofuran
Concen: 61.715 ng
RT: 14.821 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:168 Resp: 516864

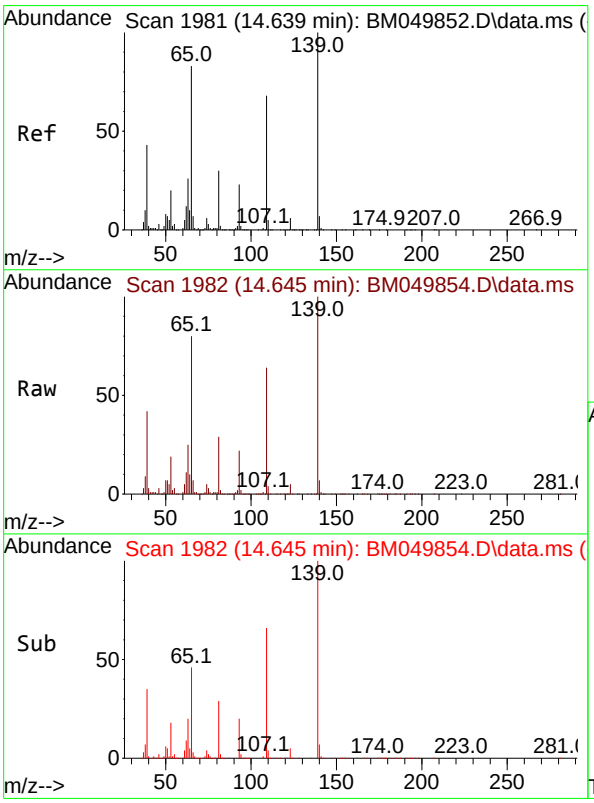
Ion	Ratio	Lower	Upper
168	100		
139	31.7	26.6	39.8
169	13.6	11.0	16.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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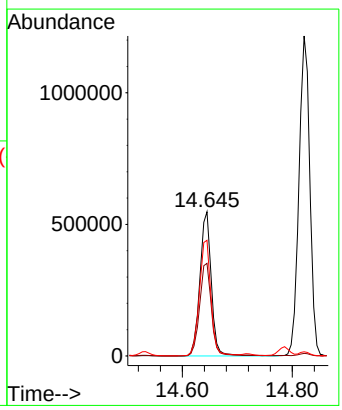
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

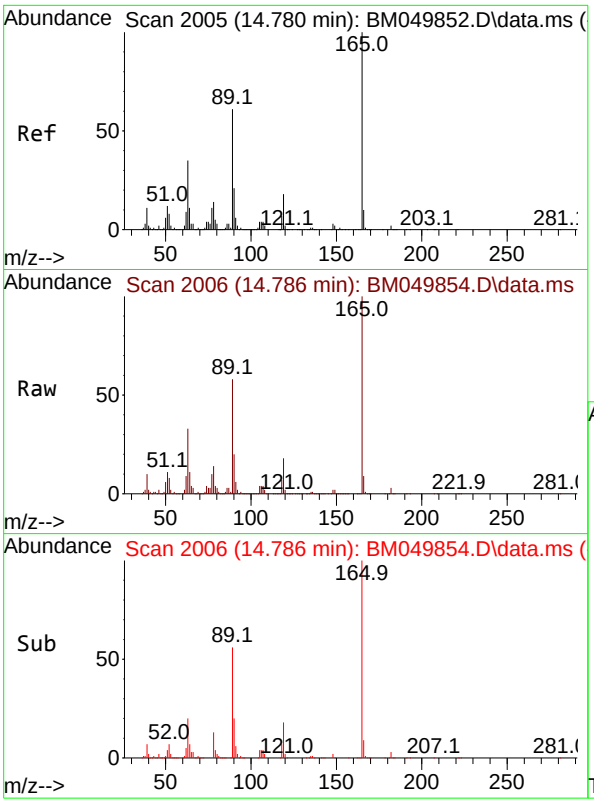


#56
4-Nitrophenol
Concen: 67.391 ng
RT: 14.645 min Scan# 1982
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:139 Resp: 793938

Ion	Ratio	Lower	Upper
139	100		
109	64.2	47.9	87.9
65	80.3	62.7	102.7

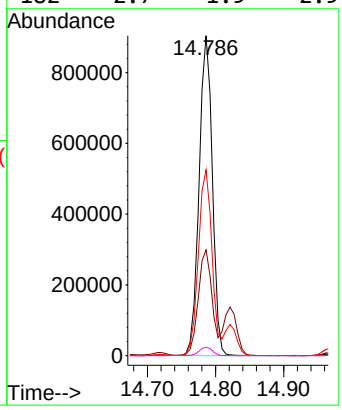




#57
2,4-Dinitrotoluene
Concen: 67.011 ng
RT: 14.786 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:165 Resp: 122283

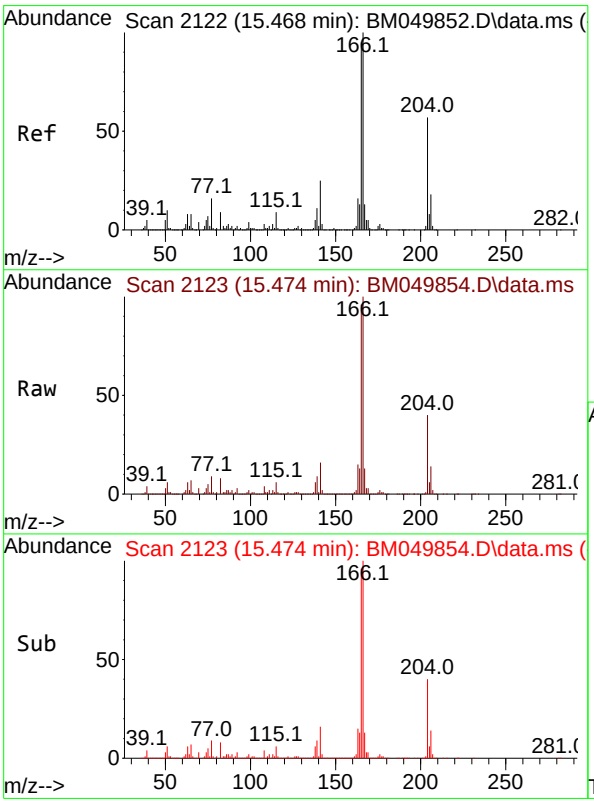
Ion	Ratio	Lower	Upper
165	100		
63	33.0	28.6	42.8
89	58.1	49.0	73.6
182	2.7	1.9	2.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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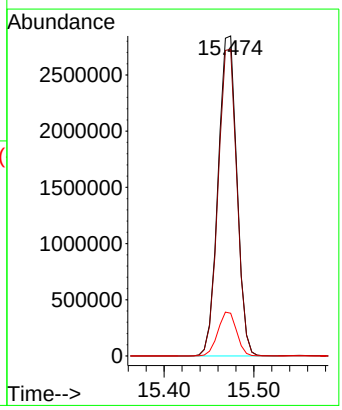
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

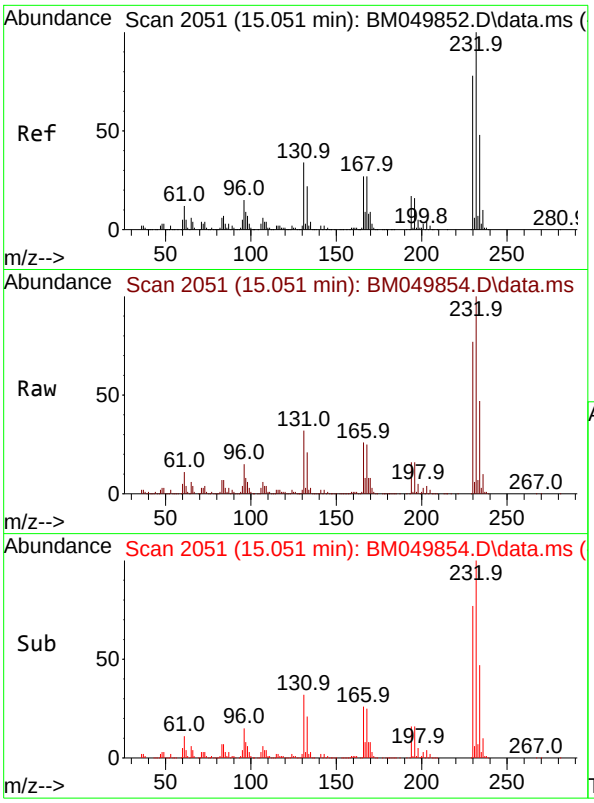


#58
Fluorene
Concen: 62.111 ng
RT: 15.474 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:166 Resp: 4134865

Ion	Ratio	Lower	Upper
166	100		
165	95.8	76.3	114.5
167	13.3	10.7	16.1

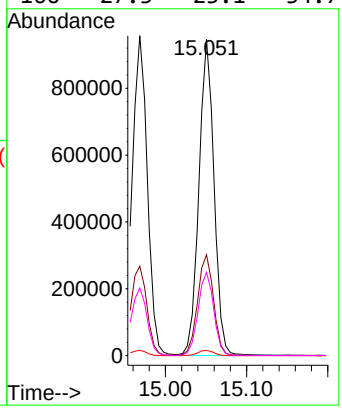




#59
2,3,4,6-Tetrachlorophenol
Concen: 62.237 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:232 Resp: 122125

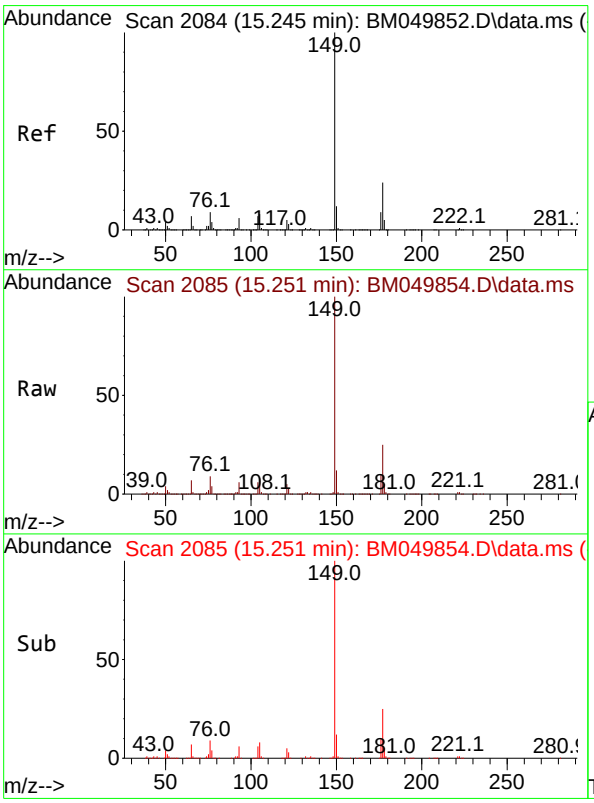
Ion	Ratio	Lower	Upper
232	100		
131	33.9	28.4	42.6
130	1.8	1.6	2.4
166	27.3	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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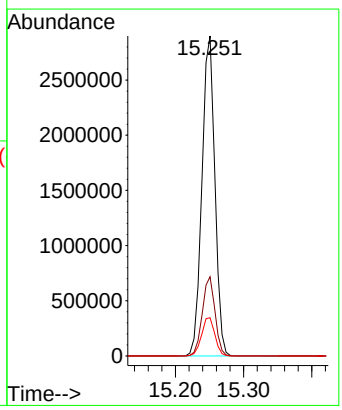
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

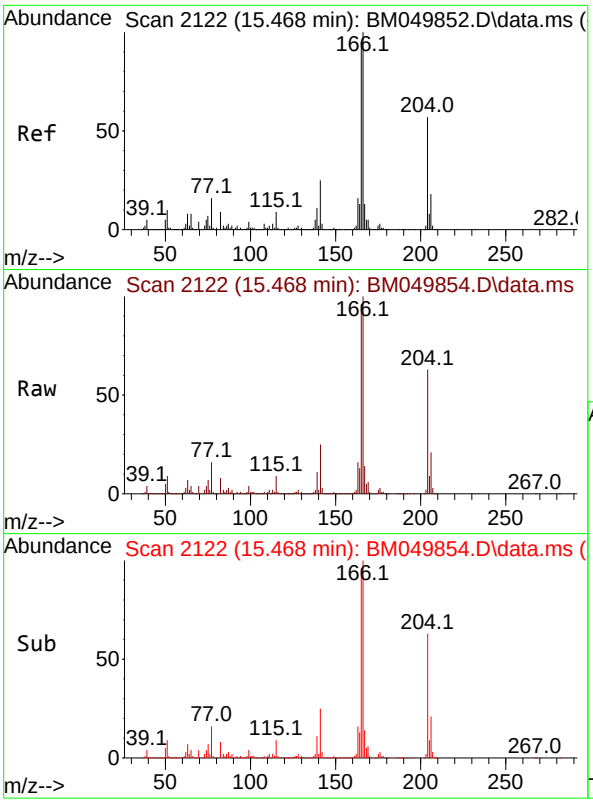


#60
Diethylphthalate
Concen: 61.113 ng
RT: 15.251 min Scan# 2085
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:149 Resp: 3826285

Ion	Ratio	Lower	Upper
149	100		
177	24.8	19.0	28.4
150	11.9	9.7	14.5





#61
4-Chlorophenyl-phenylether
Concen: 64.546 ng
RT: 15.468 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

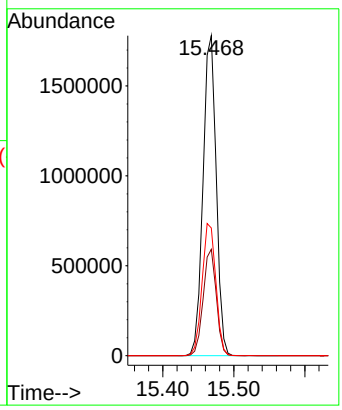
Tgt Ion:204 Resp: 230374

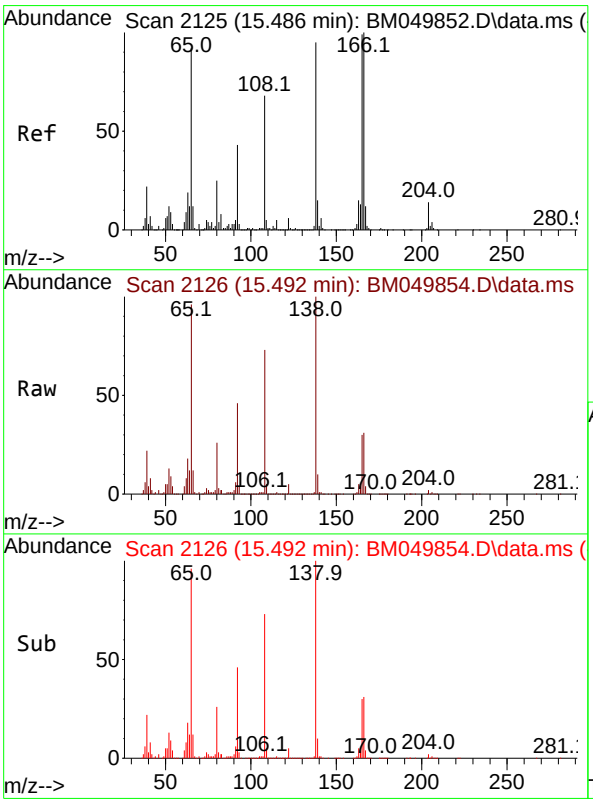
Ion	Ratio	Lower	Upper
204	100		
206	33.2	26.2	39.2
141	39.9	35.0	52.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

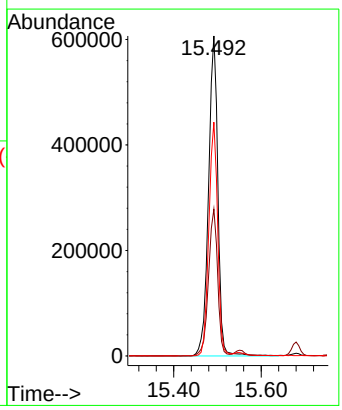


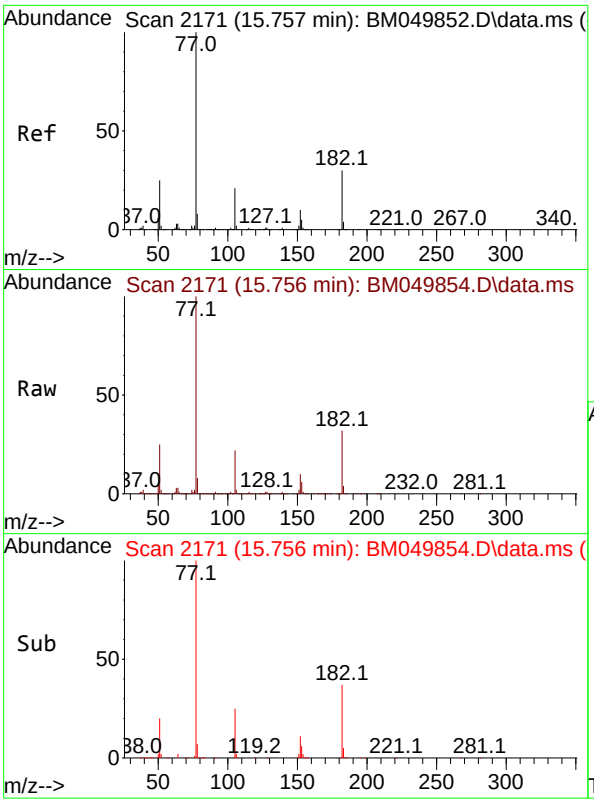


#62
4-Nitroaniline
Concen: 66.324 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:138 Resp: 906760

Ion	Ratio	Lower	Upper
138	100		
92	45.9	24.9	64.9
108	73.1	51.7	91.7

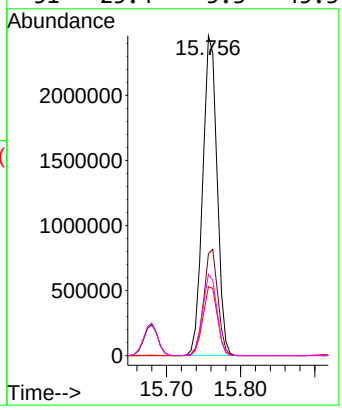




#63
Azobenzene
Concen: 61.760 ng
RT: 15.756 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion: 77 Resp: 331055

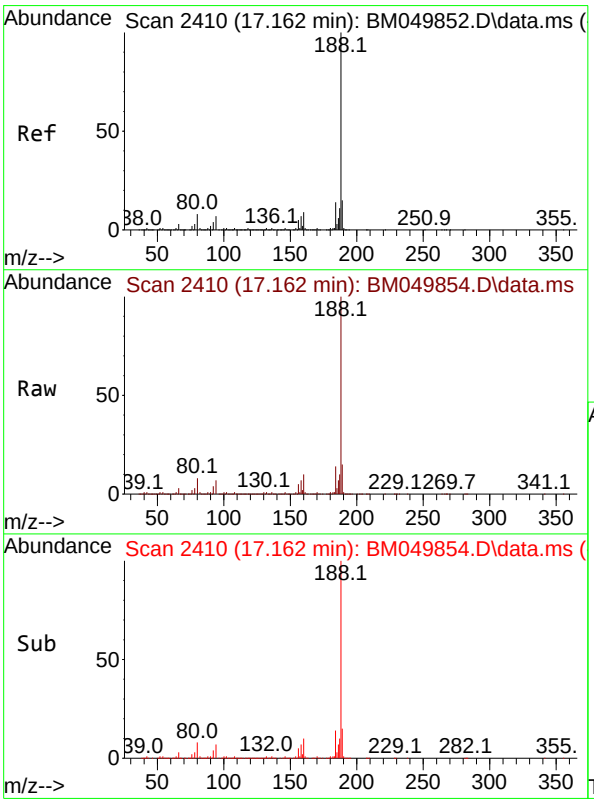
Ion	Ratio	Lower	Upper
77	100		
182	31.9	10.4	50.4
105	21.6	1.5	41.5
51	25.4	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

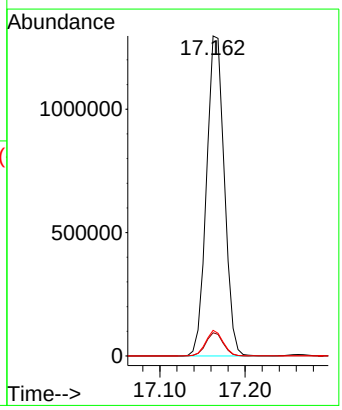
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

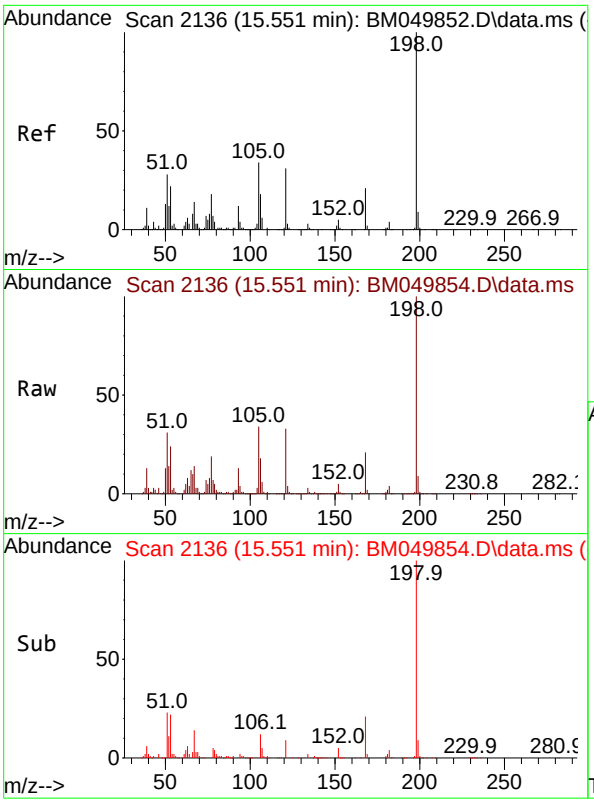


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:188 Resp: 1882039

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.8	8.6
80	8.0	6.4	9.6





#65
4,6-Dinitro-2-methylphenol
Concen: 65.675 ng
RT: 15.551 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

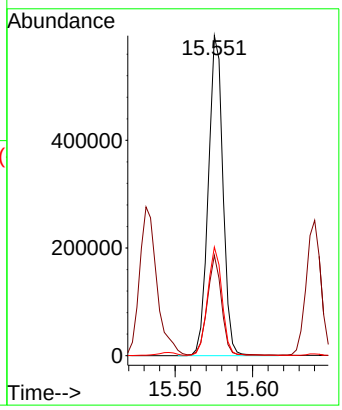
Instrument :
BNA_M
ClientSampleId :
SSTDICC060

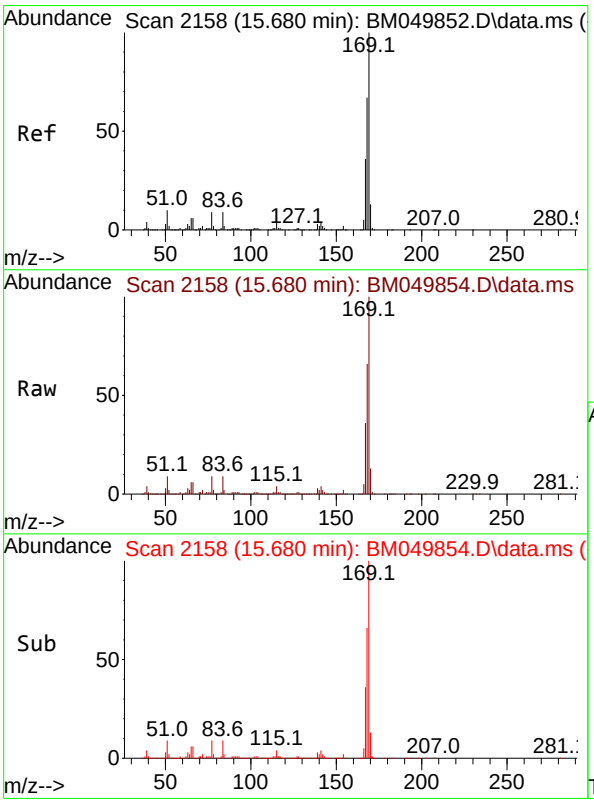
Tgt Ion:198 Resp: 77888

Ion	Ratio	Lower	Upper
198	100		
51	31.3	9.6	49.6
105	33.9	14.7	54.7

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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

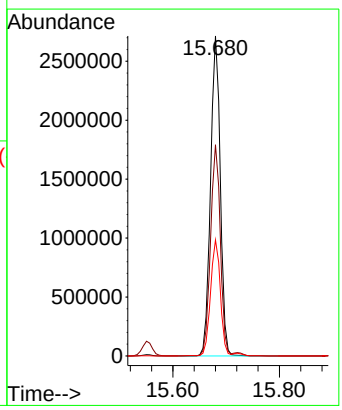


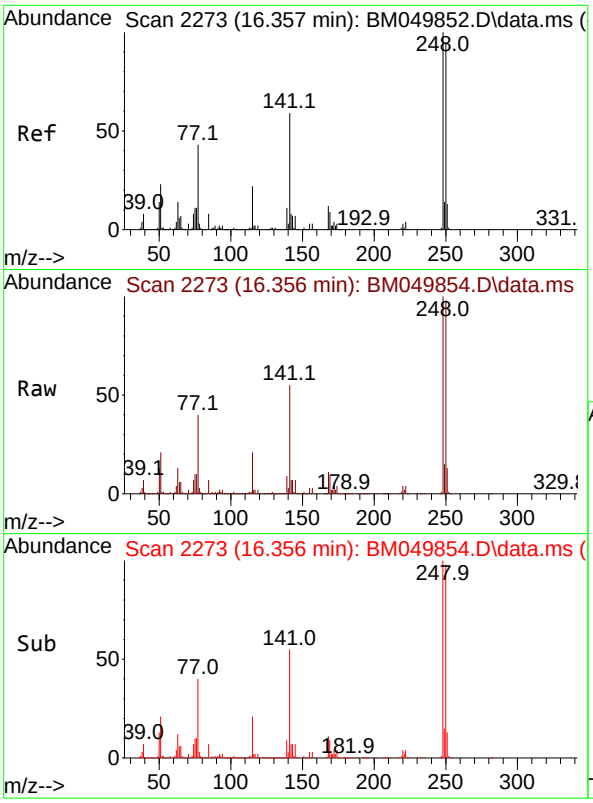


#66
n-Nitrosodiphenylamine
Concen: 61.149 ng
RT: 15.680 min Scan# 2158
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:169 Resp: 3444083

Ion	Ratio	Lower	Upper
169	100		
168	66.0	53.4	80.2
167	36.3	29.0	43.6

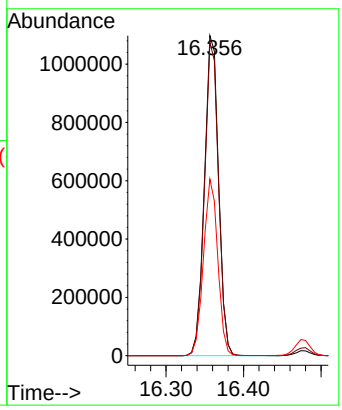




#67
4-Bromophenyl-phenylether
Concen: 63.930 ng
RT: 16.356 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:248 Resp: 139675

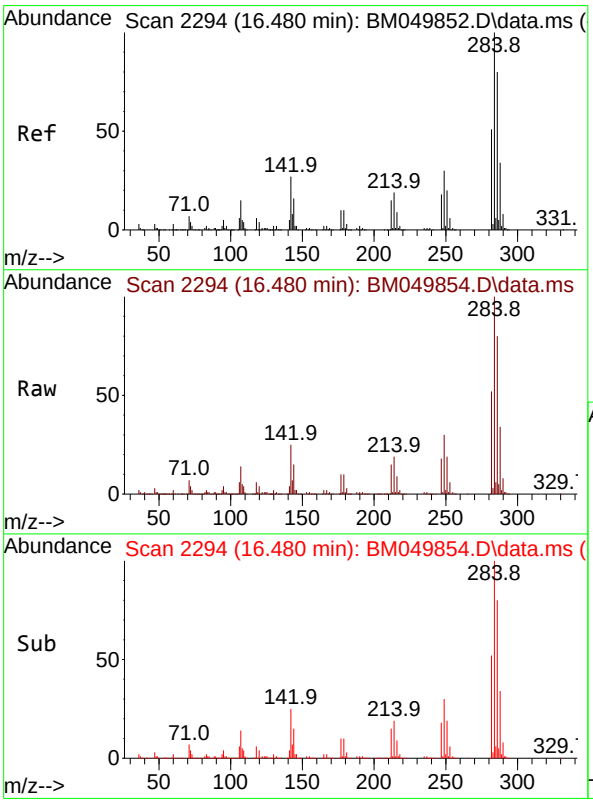
Ion	Ratio	Lower	Upper
248	100		
250	97.9	76.2	114.2
141	55.2	47.3	70.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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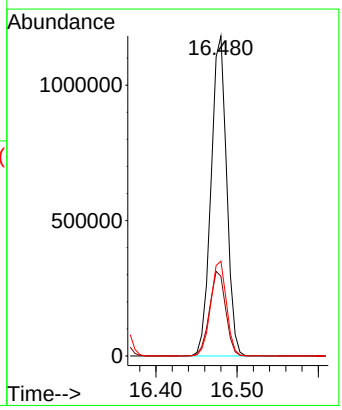
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

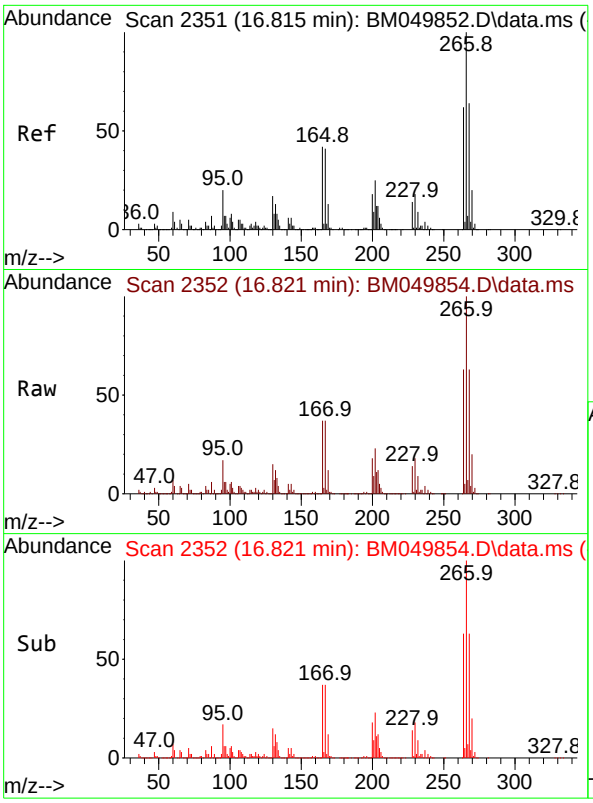


#68
Hexachlorobenzene
Concen: 62.842 ng
RT: 16.480 min Scan# 2294
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:284 Resp: 1574846

Ion	Ratio	Lower	Upper
284	100		
142	24.9	21.2	31.8
249	29.6	24.1	36.1





#70
Pentachlorophenol
Concen: 62.277 ng
RT: 16.821 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

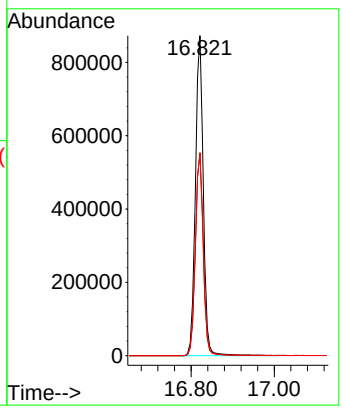
Tgt Ion:266 Resp: 114901

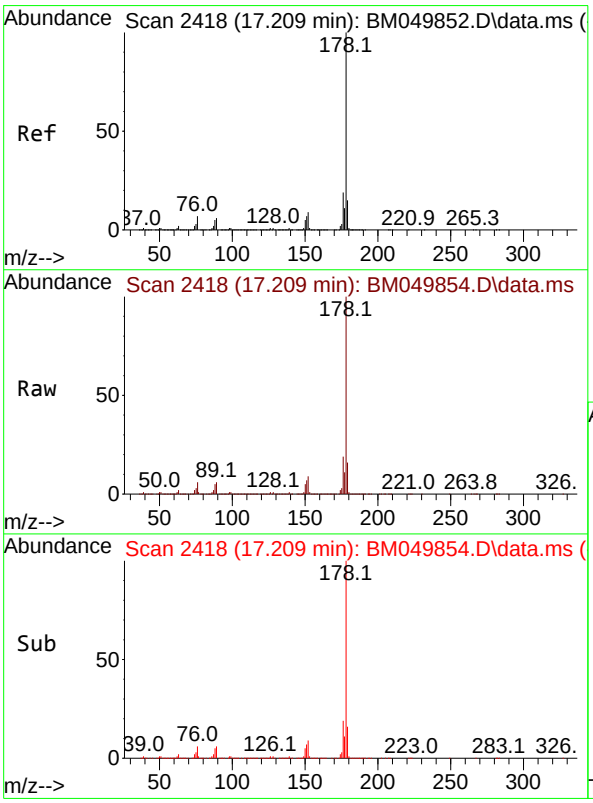
Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.4	77.2
264	63.3	49.8	74.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

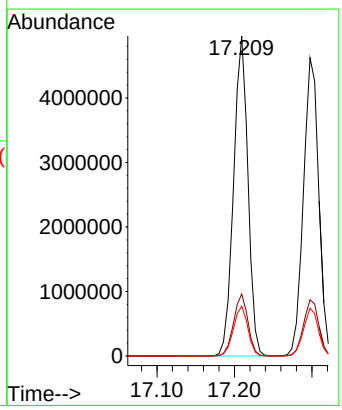


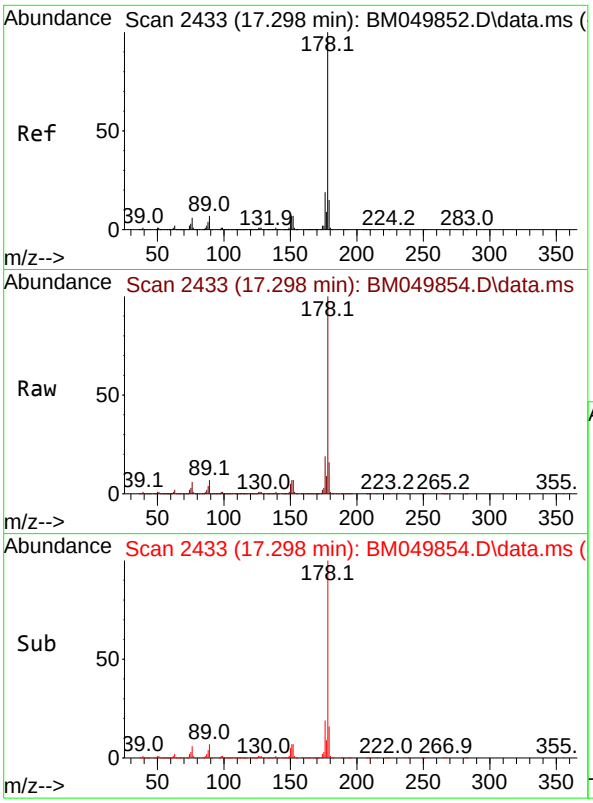


#71
Phenanthrene
Concen: 62.082 ng
RT: 17.209 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:178 Resp: 6405696

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.6	12.3	18.5

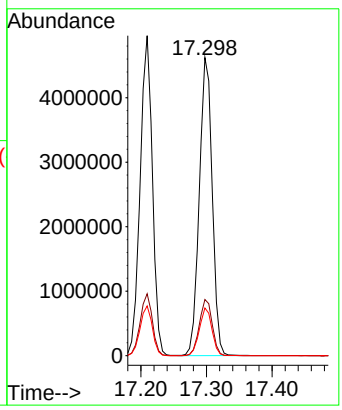




#72
Anthracene
Concen: 62.444 ng
RT: 17.298 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:178 Resp: 634945

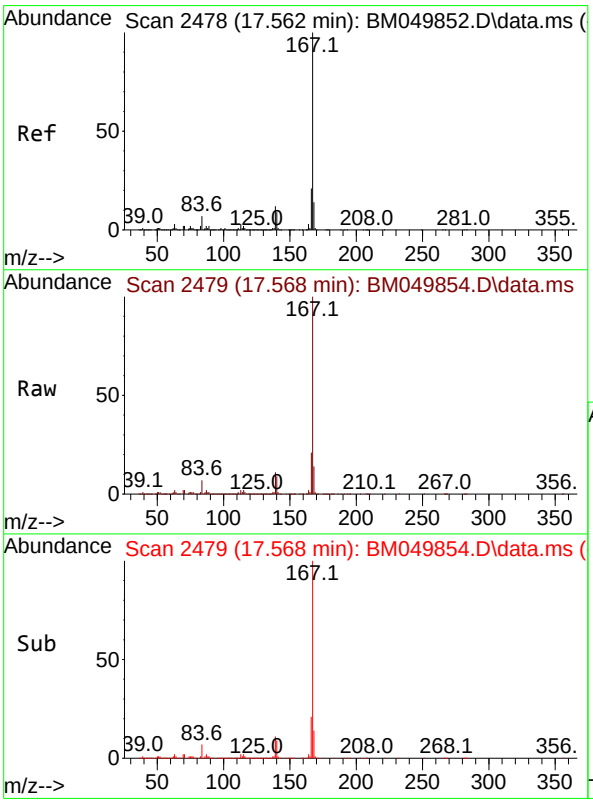
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	16.0	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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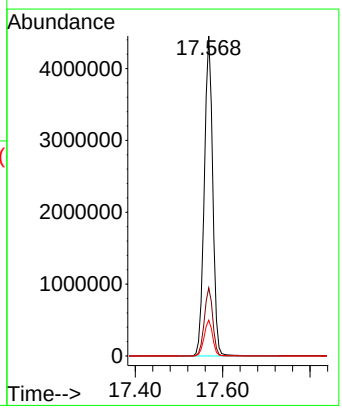
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

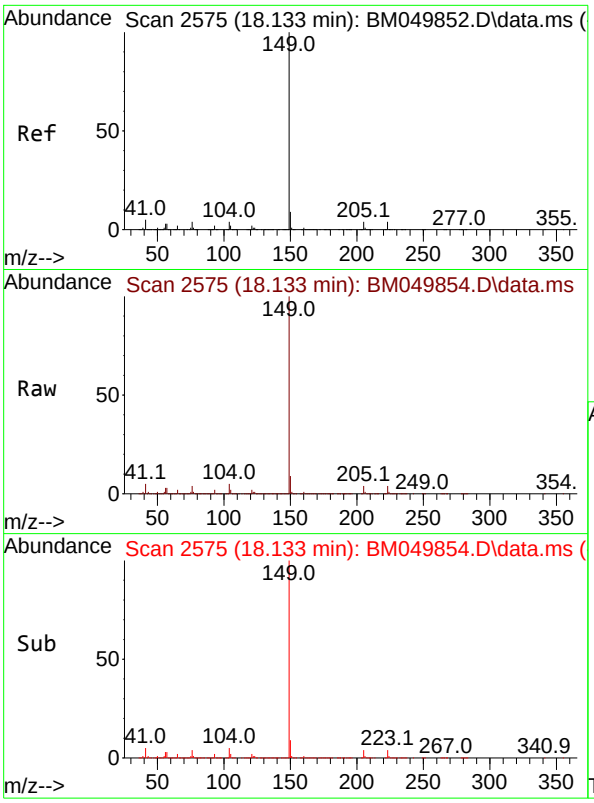


#73
Carbazole
Concen: 62.468 ng
RT: 17.568 min Scan# 2479
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:167 Resp: 5982768

Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.9	25.3
139	11.2	9.3	13.9

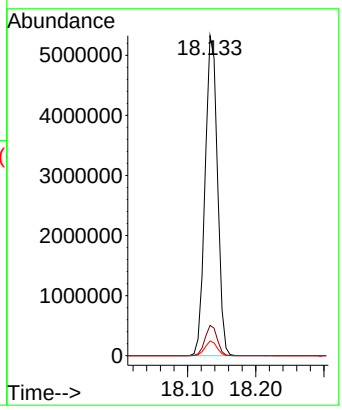




#74
Di-n-butylphthalate
Concen: 60.955 ng
RT: 18.133 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:149 Resp: 672403

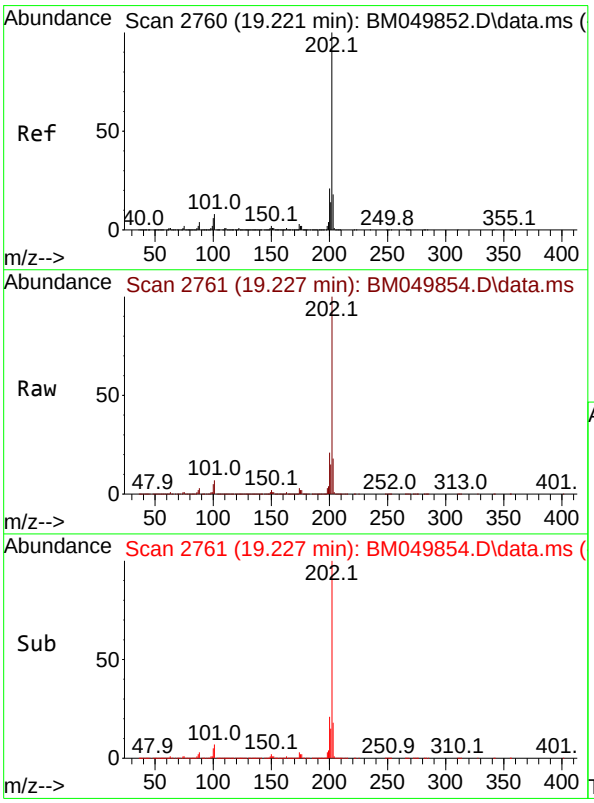
Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	4.6	3.5	5.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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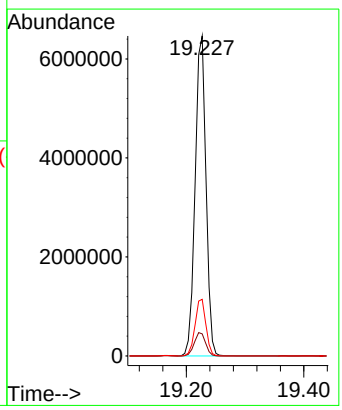
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

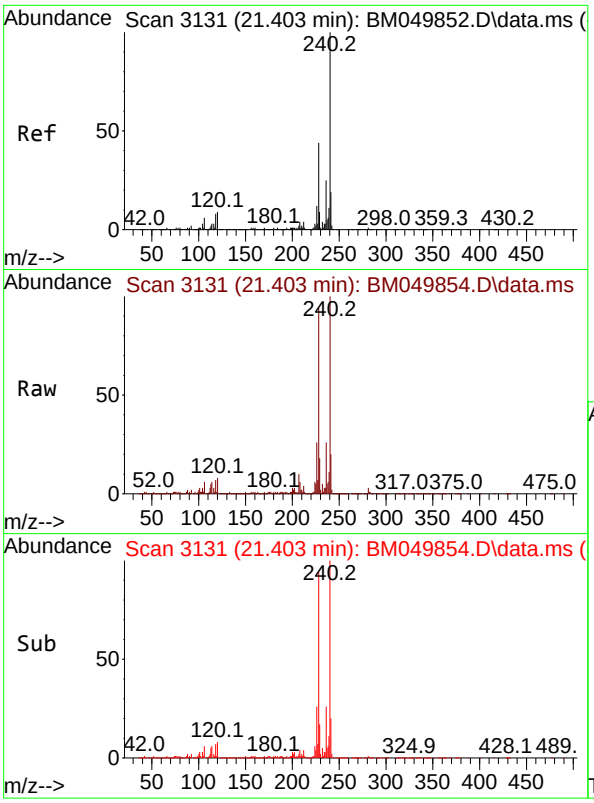


#75
Fluoranthene
Concen: 65.108 ng
RT: 19.227 min Scan# 2761
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:202 Resp: 8260007

Ion	Ratio	Lower	Upper
202	100		
101	6.9	0.0	28.4
203	17.7	0.0	37.8

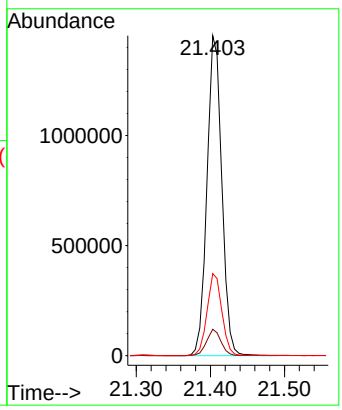




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:240 Resp: 201820

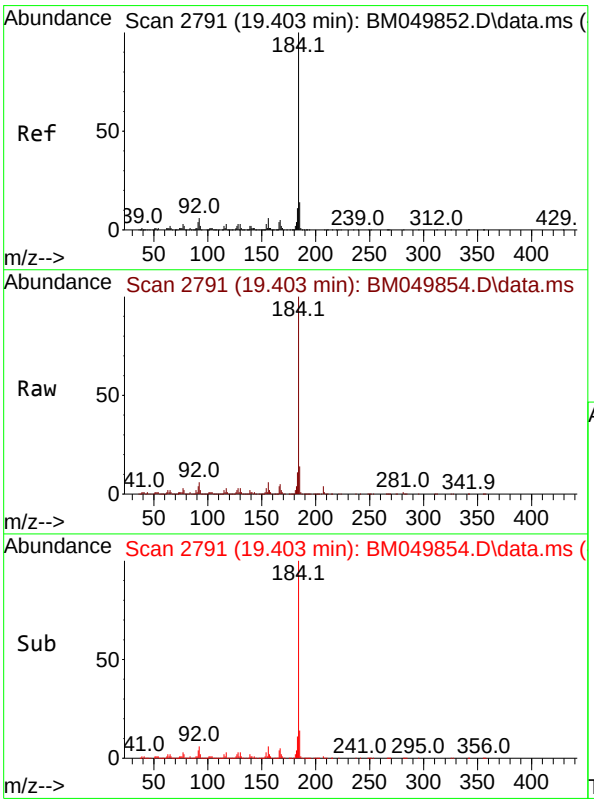
Ion	Ratio	Lower	Upper
240	100		
120	8.2	6.9	10.3
236	25.7	20.4	30.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

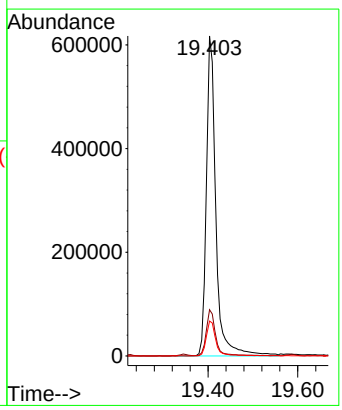
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

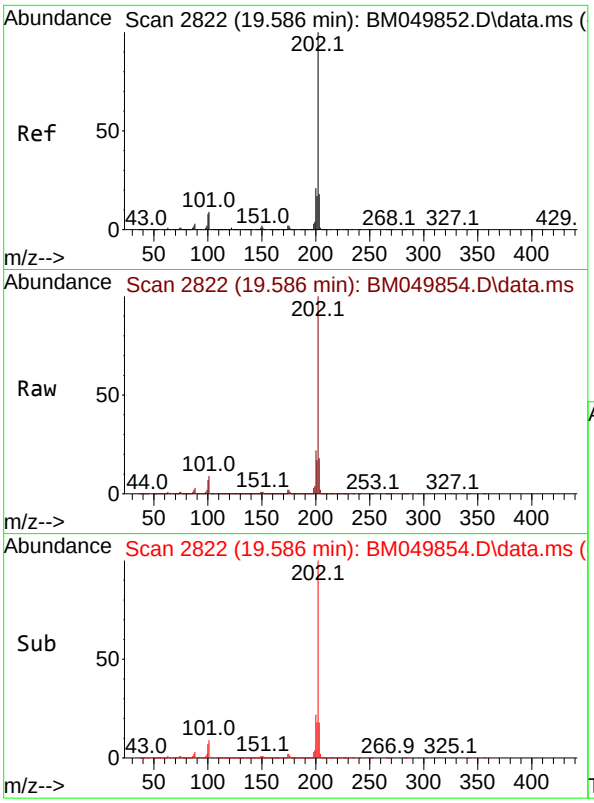


#77
Benzidine
Concen: 33.955 ng
RT: 19.403 min Scan# 2791
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:184 Resp: 909121

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.4	17.2
183	10.9	8.8	13.2





#78
Pyrene
Concen: 61.771 ng
RT: 19.586 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

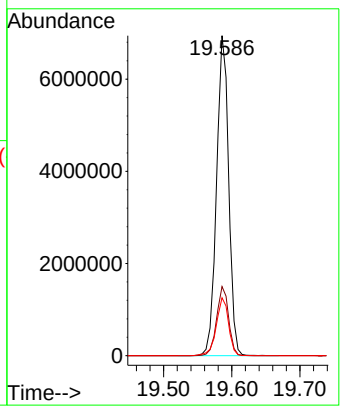
Tgt Ion:202 Resp: 859175

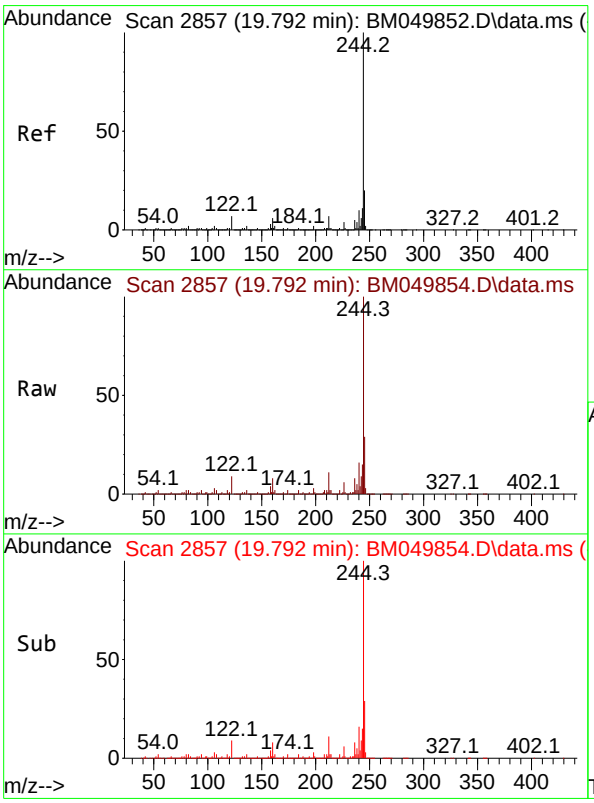
Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.5	24.7
203	18.1	14.0	21.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

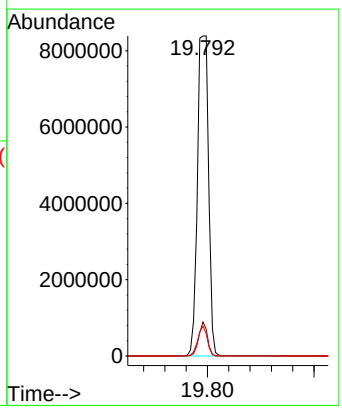


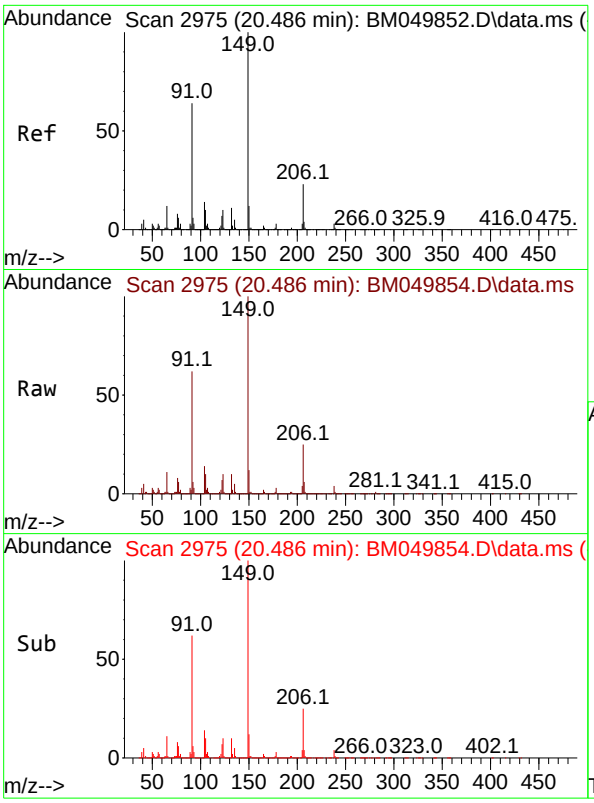


#79
Terphenyl-d14
Concen: 113.188 ng
RT: 19.792 min Scan# 2857
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:244 Resp:12189474

Ion	Ratio	Lower	Upper
244	100		
212	10.6	5.5	8.3#
122	9.3	5.4	8.0#

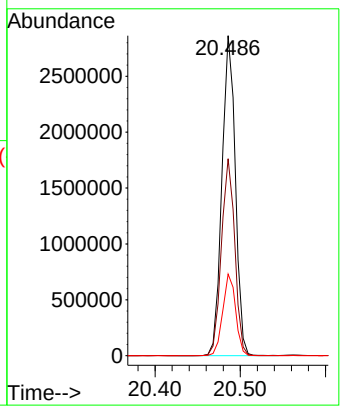




#80
Butylbenzylphthalate
Concen: 59.763 ng
RT: 20.486 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:149 Resp: 312345

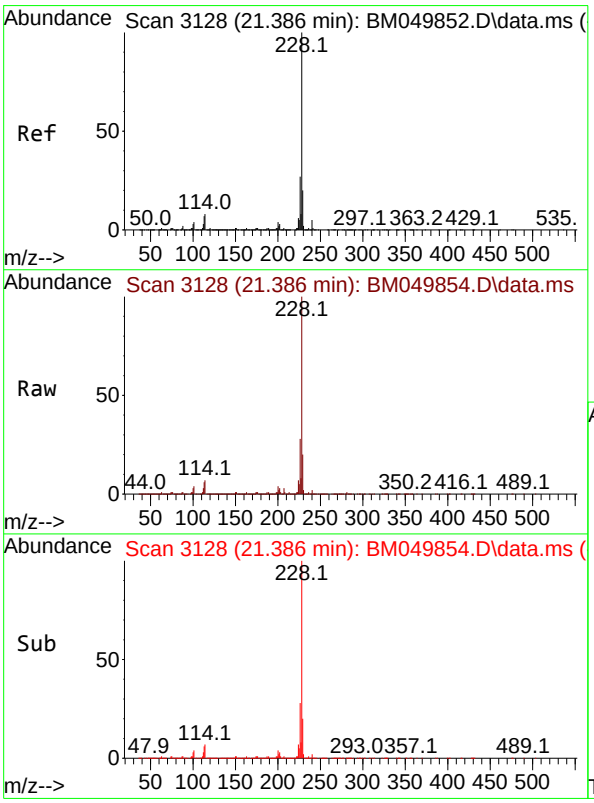
Ion	Ratio	Lower	Upper
149	100		
91	61.5	50.9	76.3
206	25.5	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

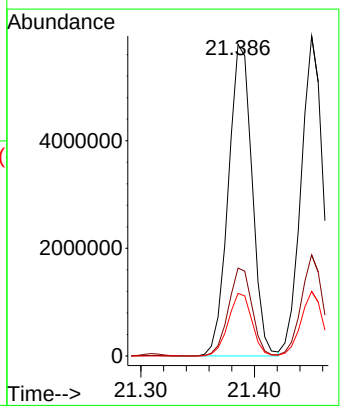
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

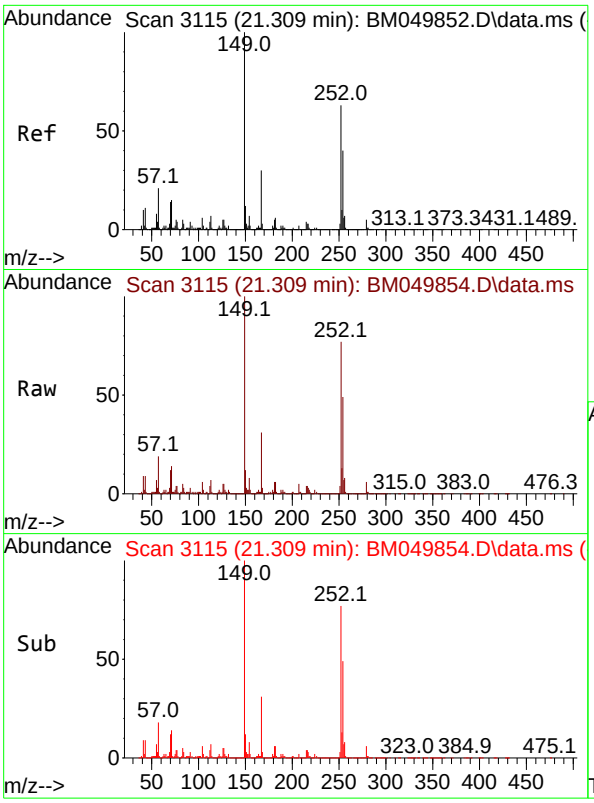


#81
Benzo(a)anthracene
Concen: 62.811 ng
RT: 21.386 min Scan# 3128
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:228 Resp: 8424711

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.8	32.8
229	20.1	15.8	23.8





#82
3,3'-Dichlorobenzidine
Concen: 64.252 ng
RT: 21.309 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

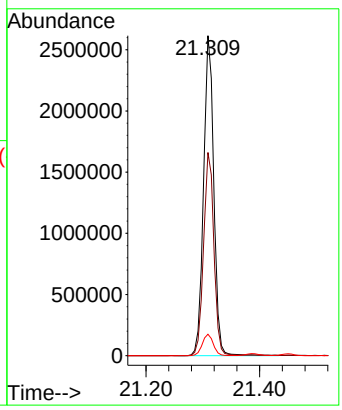
Tgt Ion:252 Resp: 325453

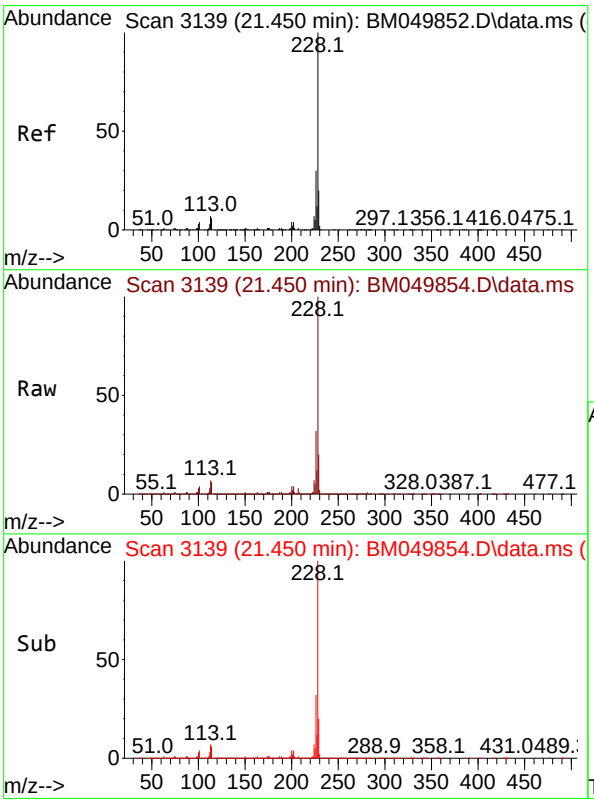
Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.5	77.3
126	6.7	6.3	9.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

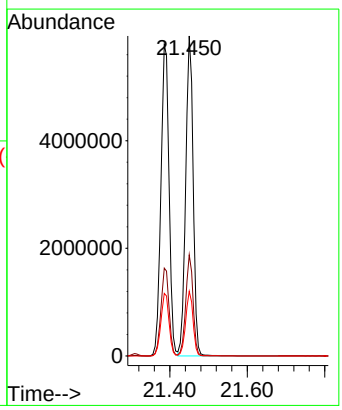


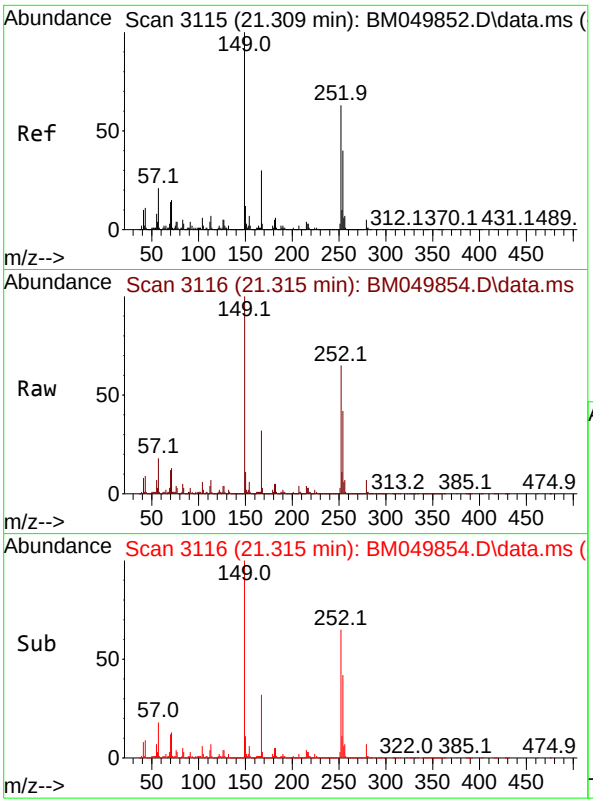


#83
Chrysene
Concen: 62.573 ng
RT: 21.450 min Scan# 3139
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:228 Resp: 7979154

Ion	Ratio	Lower	Upper
228	100		
226	31.6	24.1	36.1
229	20.2	15.8	23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 57.790 ng
RT: 21.315 min Scan# 3
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

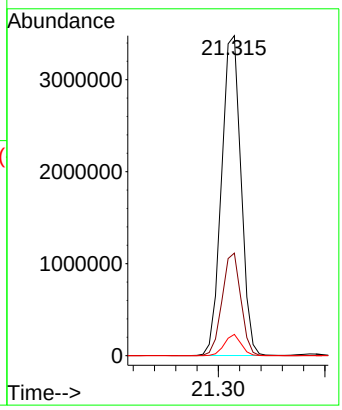
Tgt Ion:149 Resp: 440046

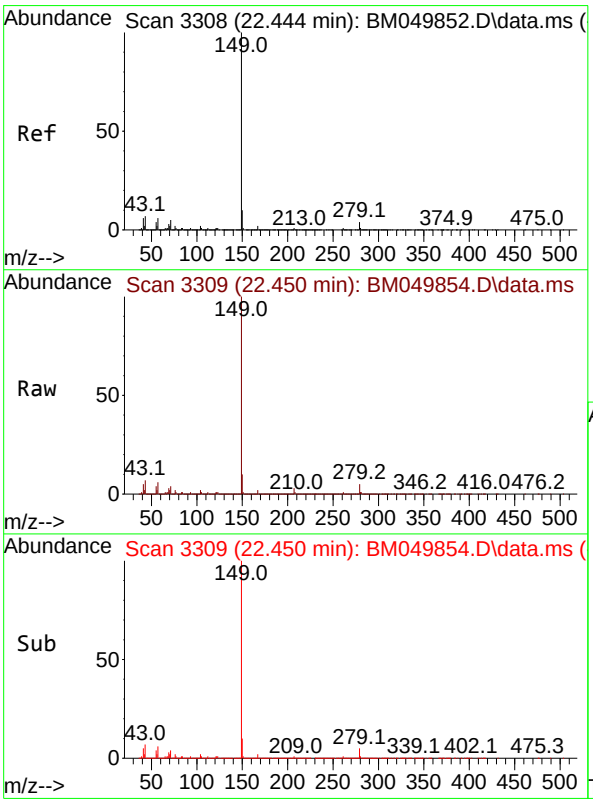
Ion	Ratio	Lower	Upper
149	100		
167	32.1	23.8	35.6
279	6.7	3.8	5.8

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

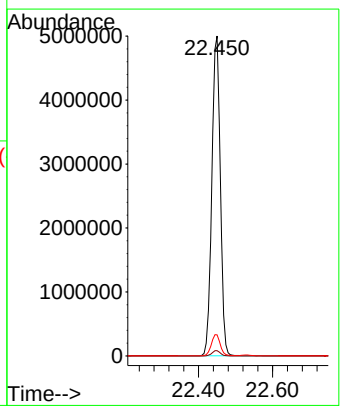


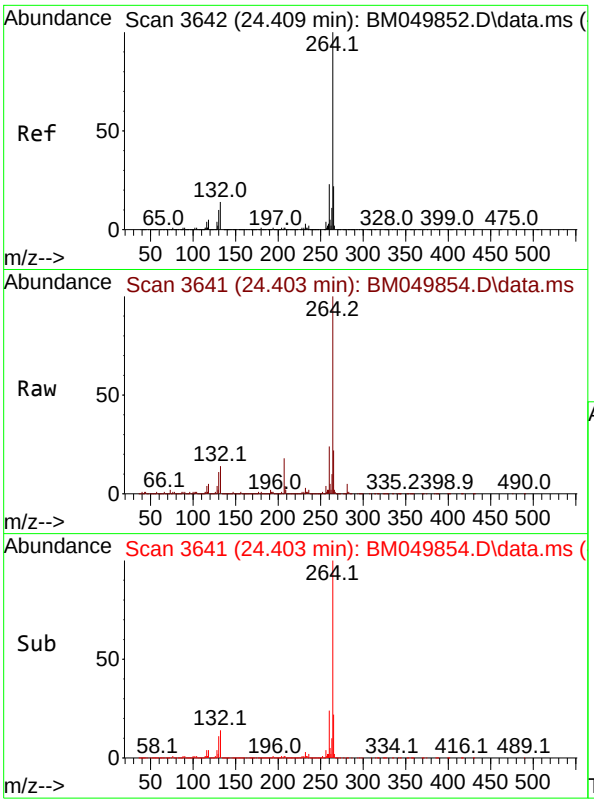


#85
Di-n-octyl phthalate
Concen: 59.593 ng
RT: 22.450 min Scan# 3309
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:149 Resp: 7938550

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.0	5.8	8.6

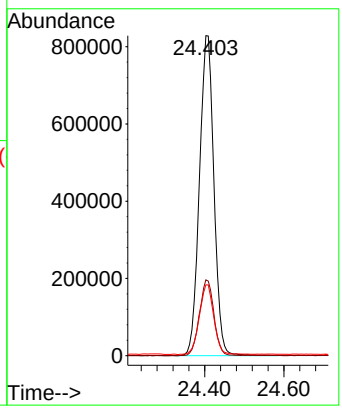




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:264 Resp: 210323

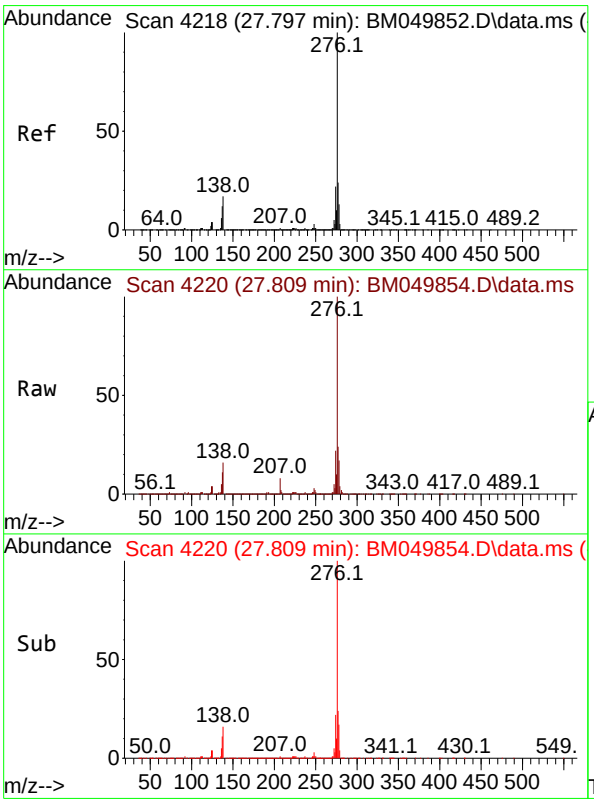
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	22.1	17.8	26.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

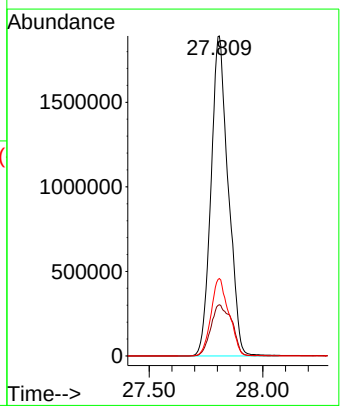
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

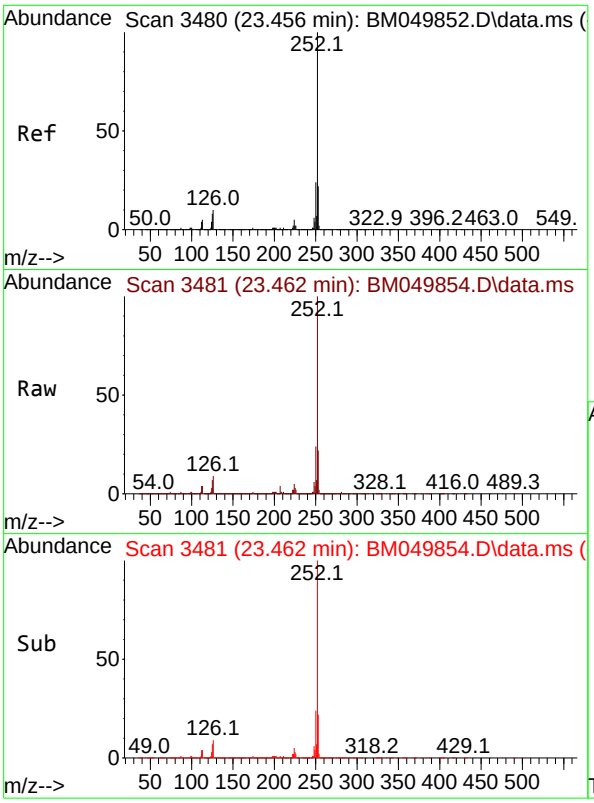


#87
Indeno(1,2,3-cd)pyrene
Concen: 63.483 ng
RT: 27.809 min Scan# 4220
Delta R.T. 0.012 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:276 Resp: 9952687

Ion	Ratio	Lower	Upper
276	100		
138	19.5	16.8	25.2
277	25.1	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 64.785 ng
RT: 23.462 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

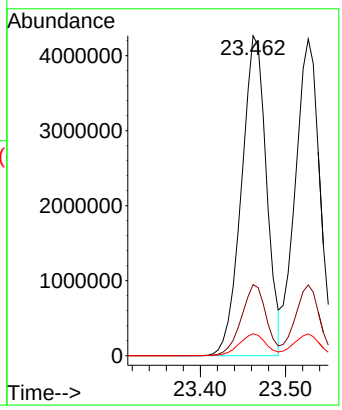
Tgt Ion:252 Resp: 870223

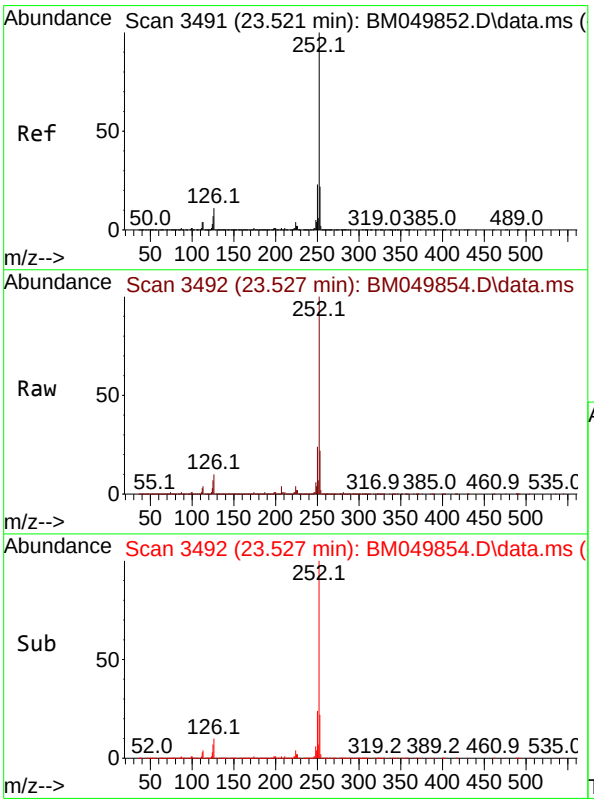
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	6.9	6.2	9.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

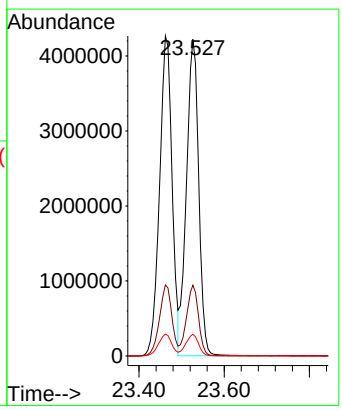


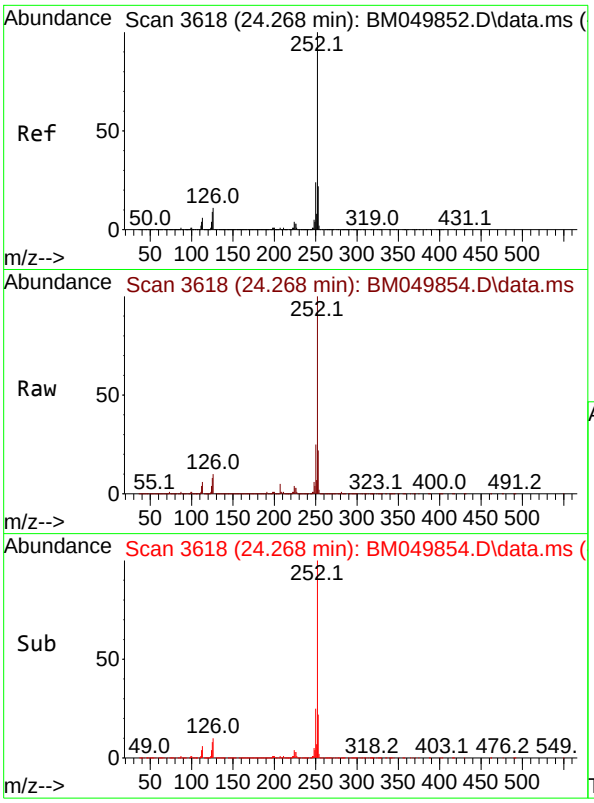


#89
Benzo(k)fluoranthene
Concen: 64.749 ng
RT: 23.527 min Scan# 3492
Delta R.T. 0.006 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:252 Resp: 8428431

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	6.9	5.8	8.8

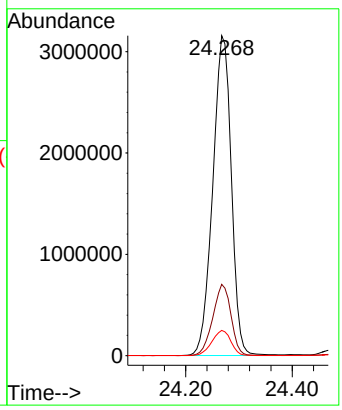




#90
Benzo(a)pyrene
Concen: 64.633 ng
RT: 24.268 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:252 Resp: 762910

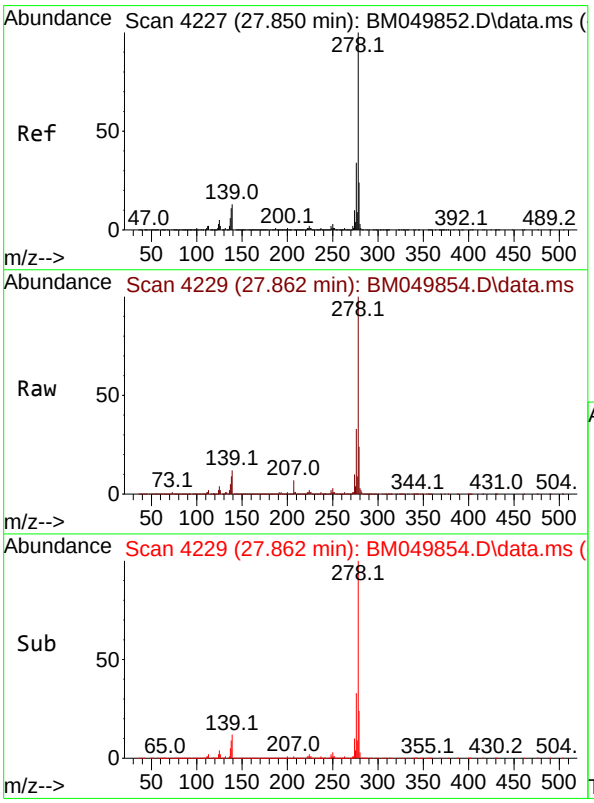
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	7.9	7.0	10.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

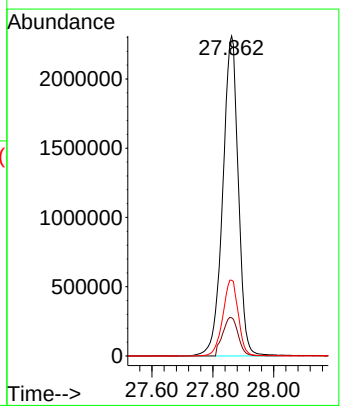
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

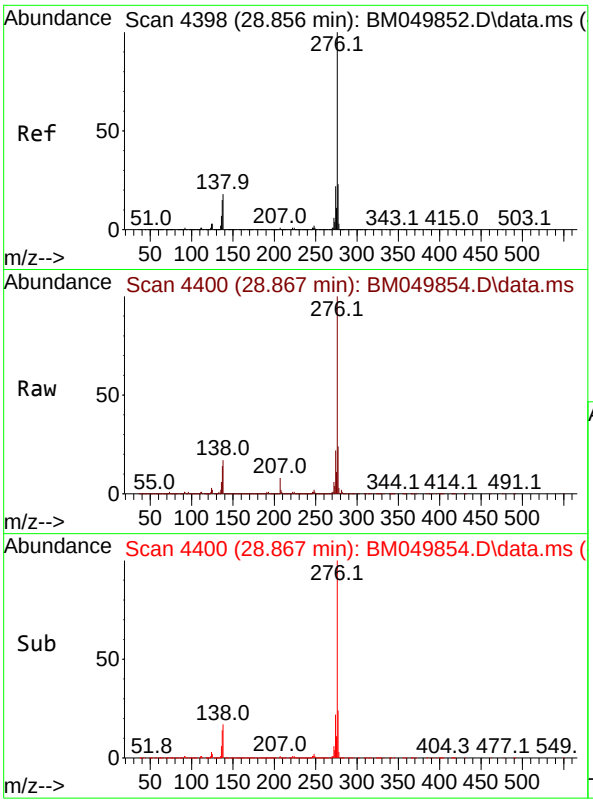


#91
Dibenzo(a,h)anthracene
Concen: 63.546 ng
RT: 27.862 min Scan# 4229
Delta R.T. 0.012 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:278 Resp: 8206056

Ion	Ratio	Lower	Upper
278	100		
139	11.9	10.6	15.8
279	23.7	19.1	28.7

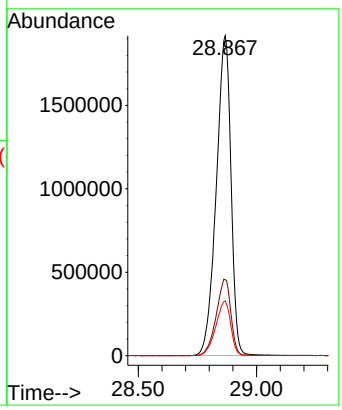




#92
Benzo(g,h,i)perylene
Concen: 62.639 ng
RT: 28.867 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM049854.D
Acq: 08 Apr 2025 19:28

Tgt Ion:276 Resp: 826585

Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.7	28.1
138	17.1	14.6	21.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Quant Time: Apr 09 03:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	337265	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1122639	20.000	ng	0.00
39) Acenaphthene-d10	14.422	164	724372	20.000	ng	0.00
64) Phenanthrene-d10	17.163	188	1472595	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1558603	20.000	ng	0.00
86) Perylene-d12	24.403	264	1599218	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	3176757	159.945	ng	0.00
7) Phenol-d6	6.957	99	4006393	162.127	ng	0.00
23) Nitrobenzene-d5	8.940	82	3331067	165.228	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1903078	180.622	ng	0.00
45) 2-Fluorobiphenyl	13.045	172	8715915	163.160	ng	0.00
79) Terphenyl-d14	19.786	244	12523857	150.586	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	651448	79.642	ng	99
3) Pyridine	3.663	79	1721709m	80.145	ng	
4) n-Nitrosodimethylamine	3.569	42	657792	80.428	ng	98
6) Aniline	7.104	93	1557071	73.535	ng	99
8) 2-Chlorophenol	7.346	128	1617379	79.461	ng	99
9) Benzaldehyde	6.916	77	756625	59.716	ng	98
10) Phenol	6.981	94	1957010	81.154	ng	99
11) bis(2-Chloroethyl)ether	7.204	93	1502774	79.467	ng	99
12) 1,3-Dichlorobenzene	7.669	146	1900533	78.977	ng	98
13) 1,4-Dichlorobenzene	7.816	146	1924197	79.467	ng	99
14) 1,2-Dichlorobenzene	8.134	146	1799229	78.890	ng	100
15) Benzyl Alcohol	8.022	79	1282444	82.414	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.316	45	1638145	77.719	ng	99
17) 2-Methylphenol	8.228	107	1183257	79.623	ng	99
18) Hexachloroethane	8.857	117	658294	78.143	ng	97
19) n-Nitroso-di-n-propyla...	8.592	70	1100668	80.420	ng	99
20) 3+4-Methylphenols	8.557	107	1639646	80.930	ng	98
22) Acetophenone	8.604	105	2212514	81.093	ng	98
24) Nitrobenzene	8.981	77	1588049	81.805	ng	99
25) Isophorone	9.510	82	2783323	82.413	ng	99
26) 2-Nitrophenol	9.687	139	885850	86.097	ng	100
27) 2,4-Dimethylphenol	9.757	122	990665	84.960	ng	99
28) bis(2-Chloroethoxy)met...	9.986	93	1849648	81.806	ng	99
29) 2,4-Dichlorophenol	10.228	162	1635110	84.360	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	1854479	82.705	ng	99
31) Naphthalene	10.622	128	4692325	81.343	ng	99
32) Benzoic acid	9.934	122	1270650	80.764	ng	98
33) 4-Chloroaniline	10.734	127	1644863	80.751	ng	99
34) Hexachlorobutadiene	10.916	225	1160306	83.656	ng	99
35) Caprolactam	11.533	113	468650	84.302	ng	97
36) 4-Chloro-3-methylphenol	11.869	107	1439396	84.779	ng	99
37) 2-Methylnaphthalene	12.239	142	3388769	83.379	ng	100
38) 1-Methylnaphthalene	12.457	142	3285148	82.967	ng	99
40) 1,2,4,5-Tetrachloroben...	12.610	216	2135182	84.255	ng	99
41) Hexachlorocyclopentadiene	12.592	237	725972	81.754	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	1356737	84.134	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Quant Time: Apr 09 03:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.927	196	1477695	84.323	ng		99
46) 1,1'-Biphenyl	13.257	154	4390713	81.540	ng		99
47) 2-Chloronaphthalene	13.298	162	3444094	81.376	ng		98
48) 2-Nitroaniline	13.498	65	853486	87.168	ng		98
49) Acenaphthylene	14.145	152	5122399	83.088	ng		99
50) Dimethylphthalate	13.880	163	4216670	82.512	ng		99
51) 2,6-Dinitrotoluene	13.998	165	927781	86.653	ng		96
52) Acenaphthene	14.486	154	3264918	83.258	ng		100
53) 3-Nitroaniline	14.327	138	930646	89.933	ng		96
54) 2,4-Dinitrophenol	14.533	184	625443	80.604	ng		97
55) Dibenzofuran	14.821	168	5445586	83.068	ng		98
56) 4-Nitrophenol	14.639	139	835691	90.623	ng		99
57) 2,4-Dinitrotoluene	14.786	165	1283341	89.846	ng		96
58) Fluorene	15.469	166	4360823	83.687	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	1308821	85.213	ng		97
60) Diethylphthalate	15.251	149	4046865	82.577	ng		98
61) 4-Chlorophenyl-phenyle...	15.469	204	2422112	86.698	ng		96
62) 4-Nitroaniline	15.492	138	958937	89.608	ng		98
63) Azobenzene	15.757	77	3477801	82.888	ng		98
65) 4,6-Dinitro-2-methylph...	15.551	198	824411	88.841	ng		99
66) n-Nitrosodiphenylamine	15.680	169	3615164	82.034	ng		100
67) 4-Bromophenyl-phenylether	16.357	248	1482215	86.704	ng		96
68) Hexachlorobenzene	16.474	284	1670677	85.201	ng		100
70) Pentachlorophenol	16.821	266	1238924	85.821	ng		99
71) Phenanthrene	17.210	178	6757399	83.700	ng		99
72) Anthracene	17.298	178	6714186	84.390	ng		100
73) Carbazole	17.568	167	6306654	84.159	ng		99
74) Di-n-butylphthalate	18.133	149	7042435	81.592	ng		100
75) Fluoranthene	19.221	202	8767531	88.324	ng		99
77) Benzidine	19.404	184	2227000	107.704	ng		100
78) Pyrene	19.586	202	8996687	83.755	ng		98
80) Butylbenzylphthalate	20.486	149	3262795	80.838	ng		97
81) Benzo(a)anthracene	21.386	228	8779936	84.761	ng		99
82) 3,3'-Dichlorobenzidine	21.309	252	3524132	90.091	ng		99
83) Chrysene	21.450	228	8388518	85.181	ng		98
84) Bis(2-ethylhexyl)phtha...	21.309	149	4596937	78.171	ng	#	96
85) Di-n-octyl phthalate	22.445	149	8204703	79.753	ng		99
87) Indeno(1,2,3-cd)pyrene	27.809	276	10271777	86.167	ng		98
88) Benzo(b)fluoranthene	23.462	252	9083493	88.935	ng		99
89) Benzo(k)fluoranthene	23.527	252	8710029	88.000	ng		99
90) Benzo(a)pyrene	24.268	252	7870455	87.693	ng		99
91) Dibenzo(a,h)anthracene	27.862	278	8515147	86.721	ng		99
92) Benzo(g,h,i)perylene	28.868	276	8495950	84.674	ng		98

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

ICAL Form

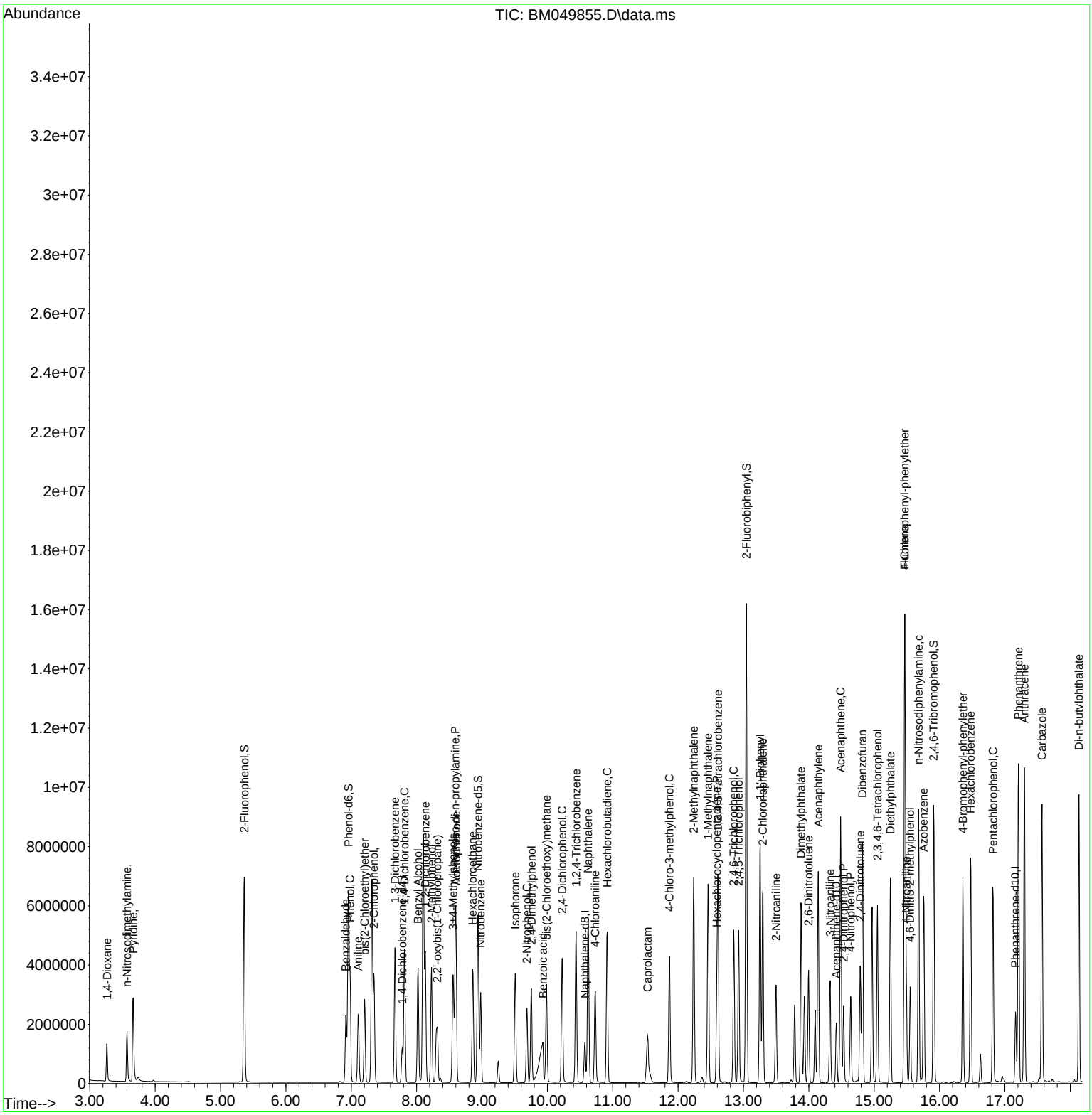
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Data File : BM049855.D
Acq On : 08 Apr 2025 20:07
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 09 03:03:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025



ICAL Form

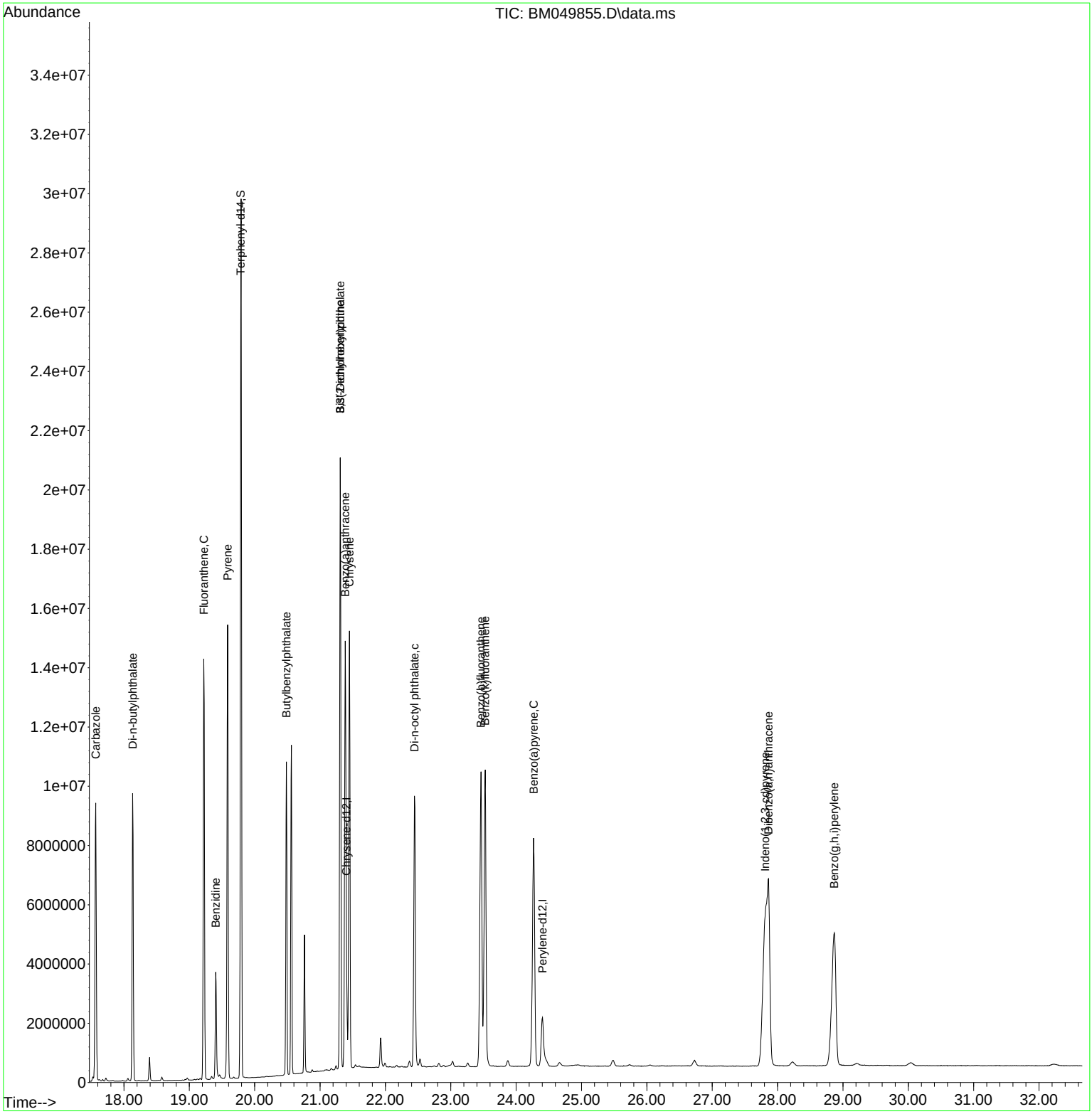
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Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

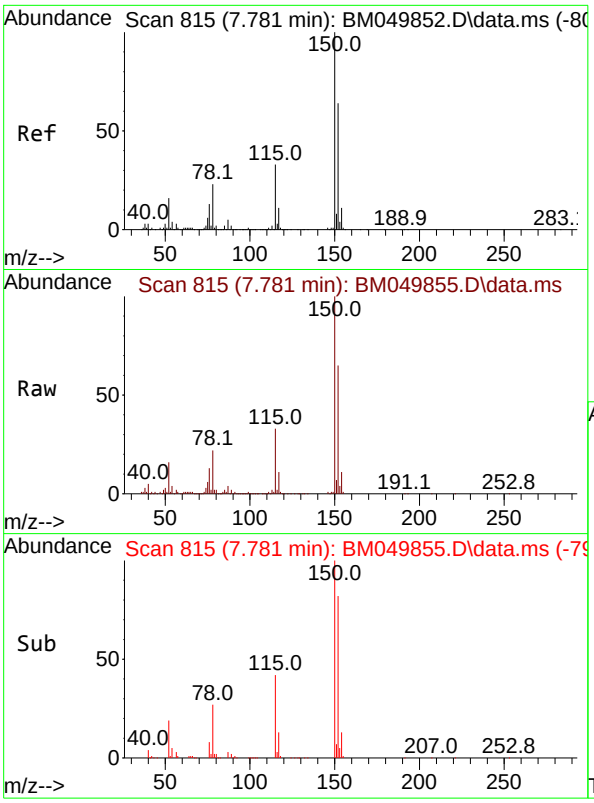
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 02:53:19 2025
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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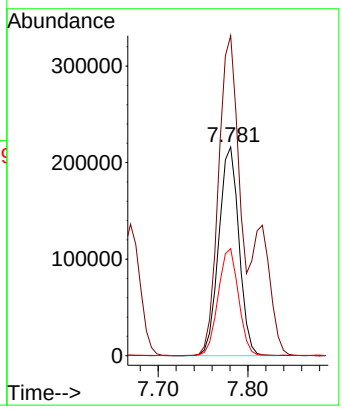




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:152 Resp: 33726

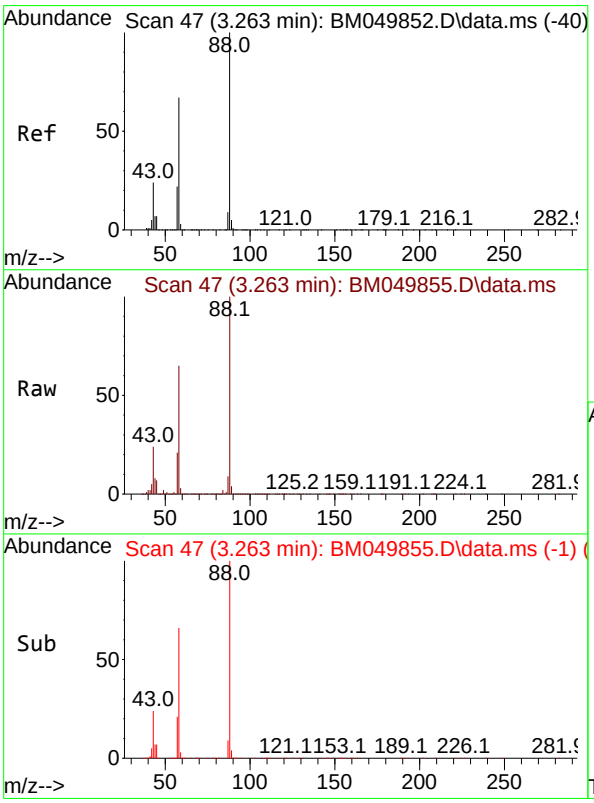
Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.3	186.5
115	51.3	41.1	61.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

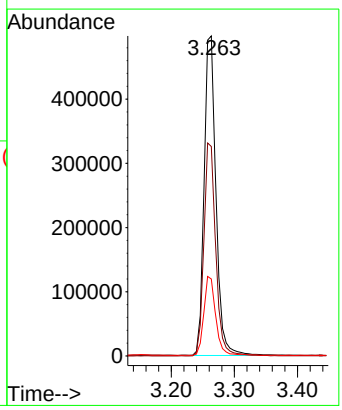
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

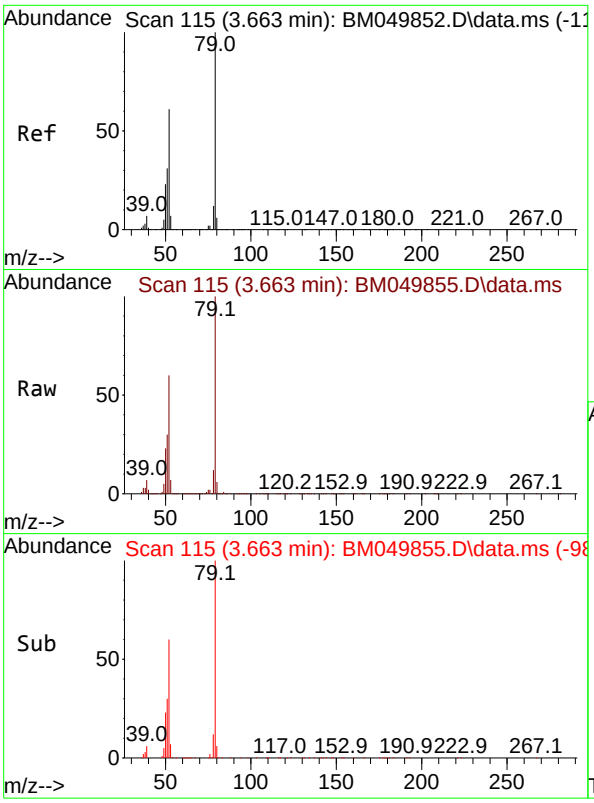


#2
1,4-Dioxane
Concen: 79.642 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 88 Resp: 651448

Ion	Ratio	Lower	Upper
88	100		
58	66.7	54.1	81.1
43	24.6	20.2	30.4

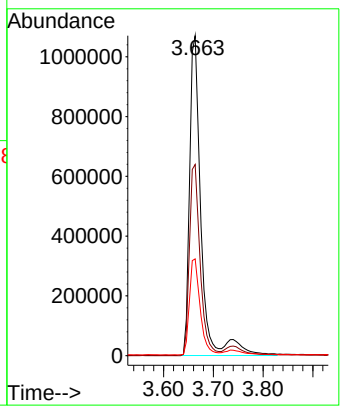




#3
Pyridine
Concen: 80.145 ng m
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 79 Resp: 172170

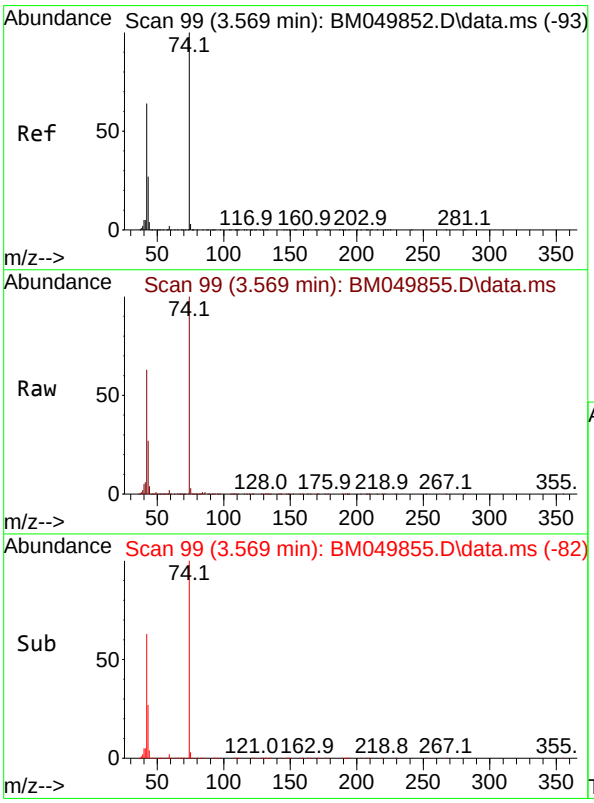
Ion	Ratio	Lower	Upper
79	100		
52	59.7	48.9	73.3
51	30.3	25.0	37.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

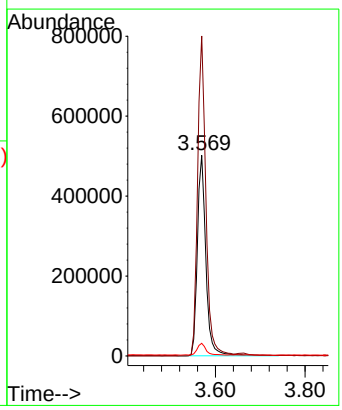
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

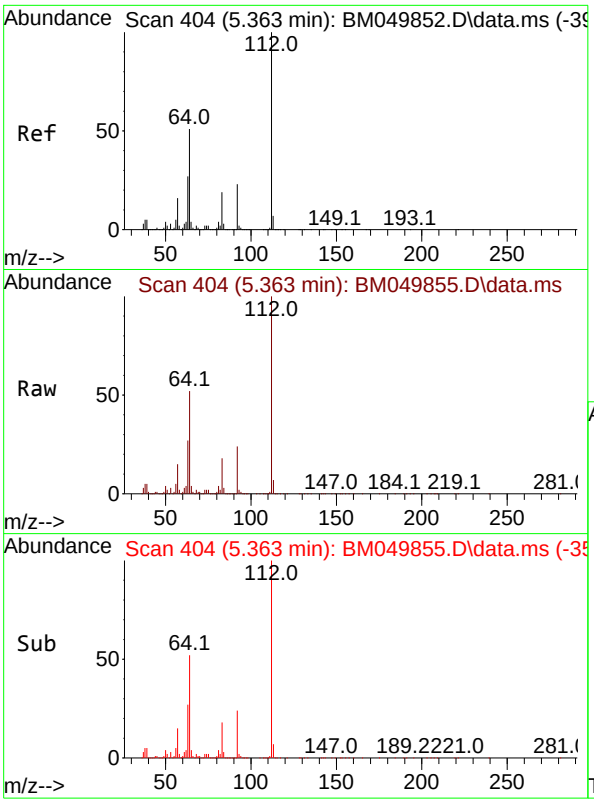


#4
n-Nitrosodimethylamine
Concen: 80.428 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 42 Resp: 657792

Ion	Ratio	Lower	Upper
42	100		
74	159.4	125.4	188.2
44	6.3	5.9	8.9

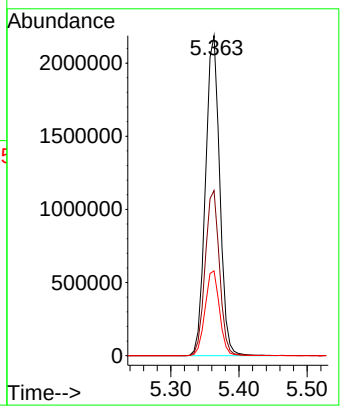




#5
2-Fluorophenol
Concen: 159.945 ng
RT: 5.363 min Scan# 4
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:112 Resp: 317675

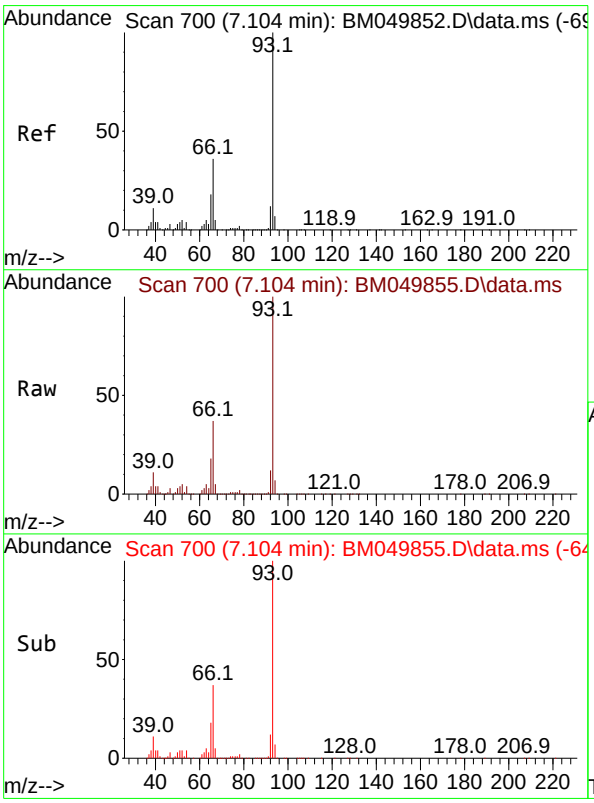
Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.0	61.6
63	26.5	21.5	32.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

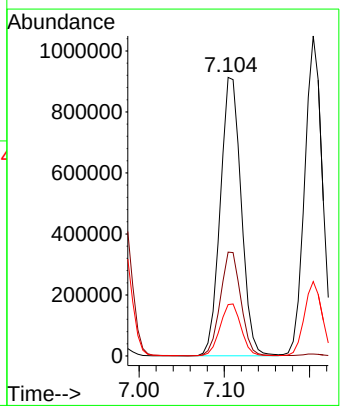
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

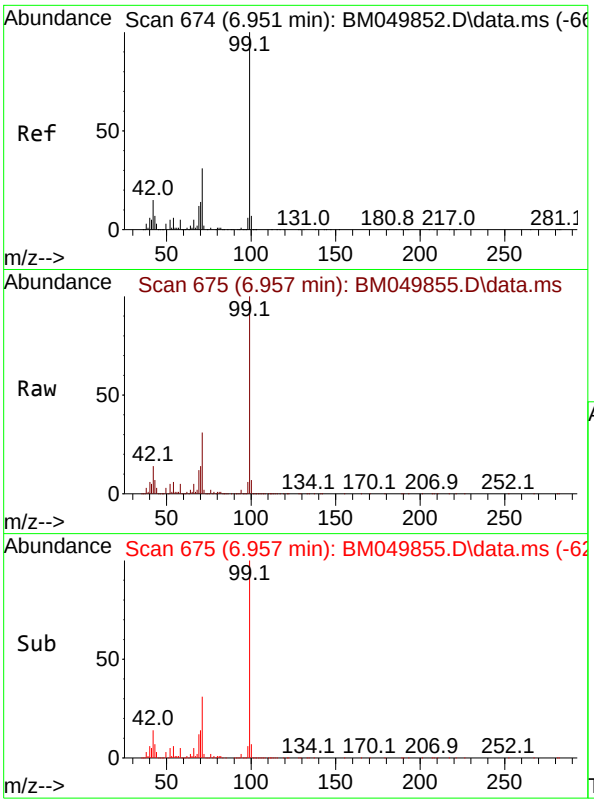


#6
Aniline
Concen: 73.535 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 93 Resp: 1557071

Ion	Ratio	Lower	Upper
93	100		
66	37.3	29.1	43.7
65	18.4	14.9	22.3

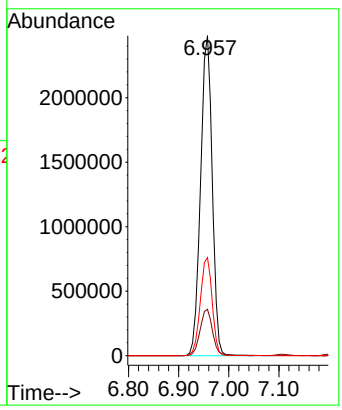




#7
Phenol-d6
Concen: 162.127 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 99 Resp: 400639

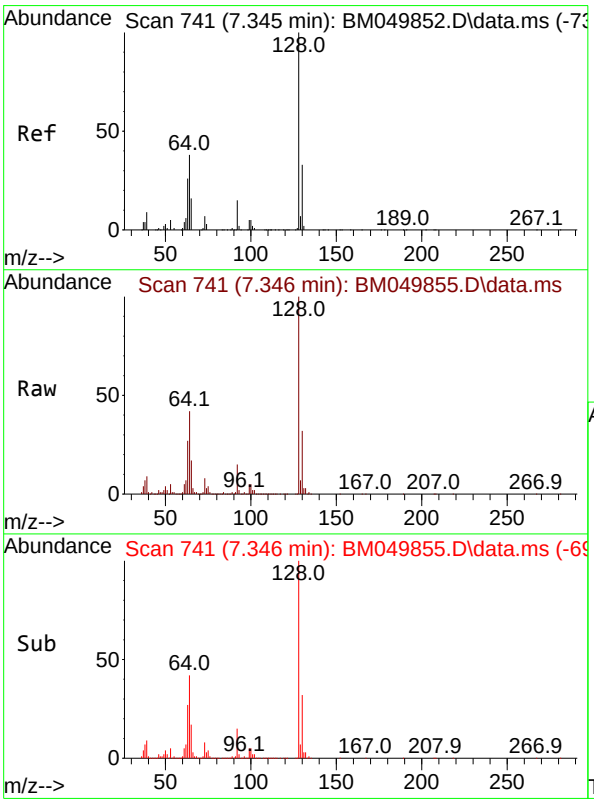
Ion	Ratio	Lower	Upper
99	100		
42	14.5	12.1	18.1
71	30.6	24.9	37.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

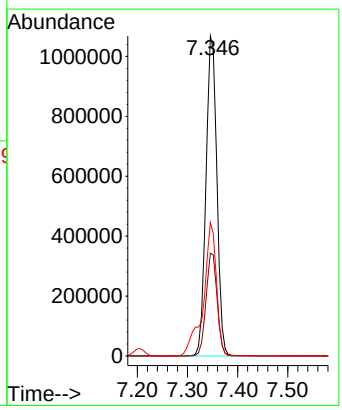
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

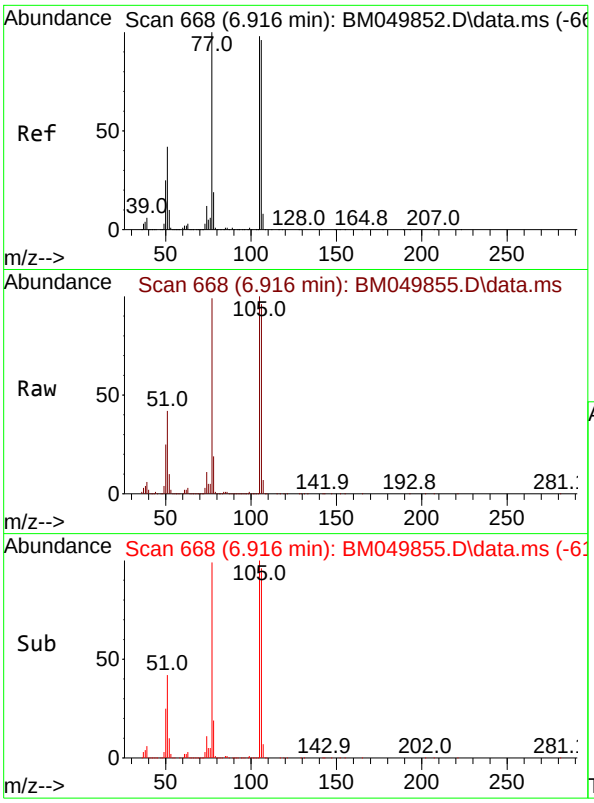


#8
2-Chlorophenol
Concen: 79.461 ng
RT: 7.346 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:128 Resp: 1617379

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	41.7	21.1	61.1

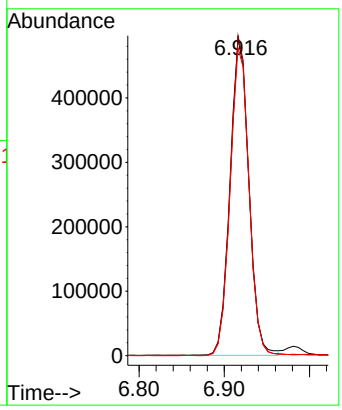




#9
Benzaldehyde
Concen: 59.716 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 77 Resp: 75662

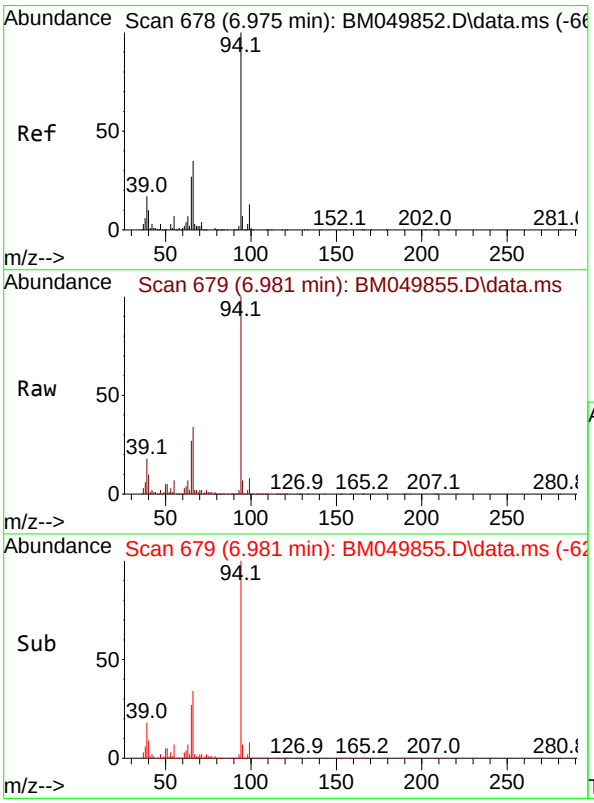
Ion	Ratio	Lower	Upper
77	100		
105	100.9	78.3	118.3
106	97.1	76.0	116.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

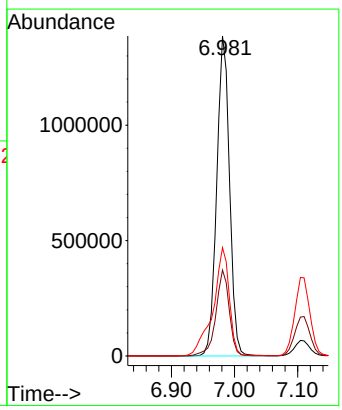
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

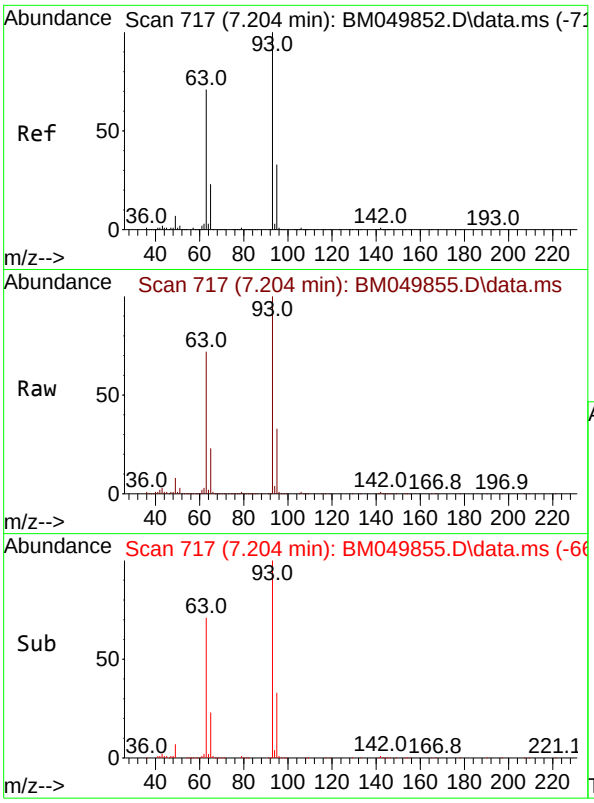


#10
Phenol
Concen: 81.154 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 94 Resp: 1957010

Ion	Ratio	Lower	Upper
94	100		
65	26.9	7.3	47.3
66	33.8	14.8	54.8

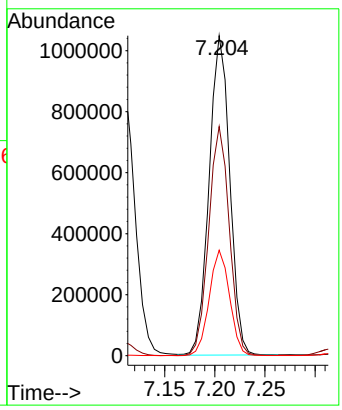




#11
bis(2-Chloroethyl)ether
Concen: 79.467 ng
RT: 7.204 min Scan# 71
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 93 Resp: 150277

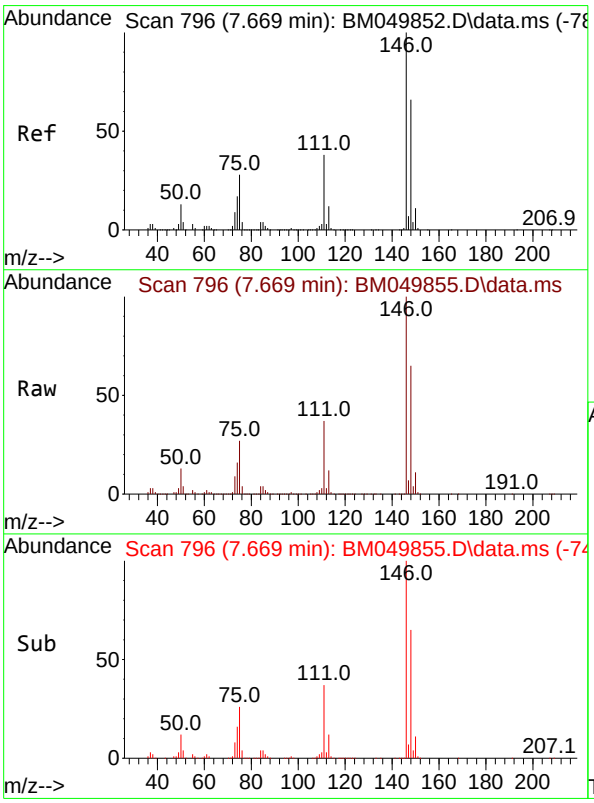
Ion	Ratio	Lower	Upper
93	100		
63	71.6	50.9	90.9
95	33.0	12.6	52.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

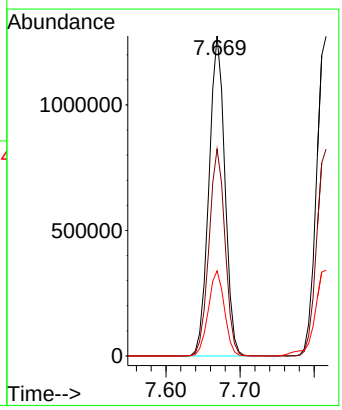
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

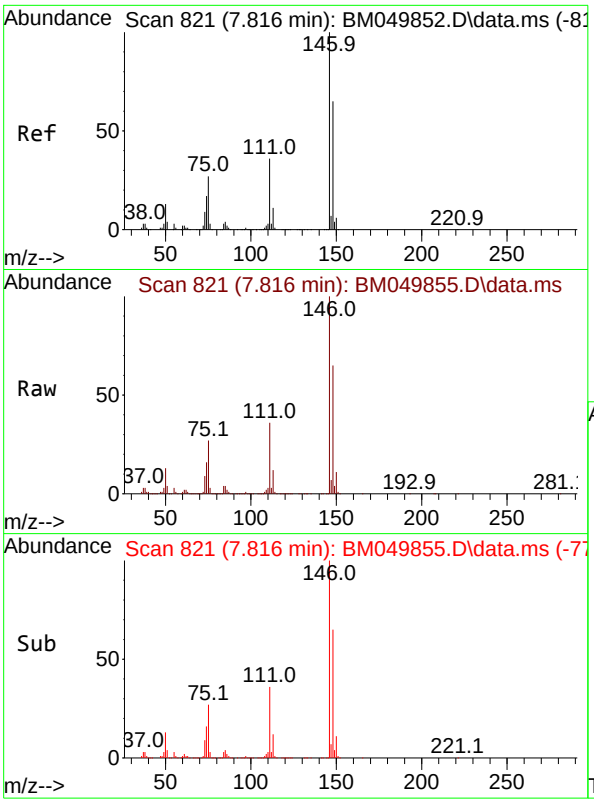


#12
1,3-Dichlorobenzene
Concen: 78.977 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:146 Resp: 1900533

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.5	78.7
75	26.6	22.5	33.7

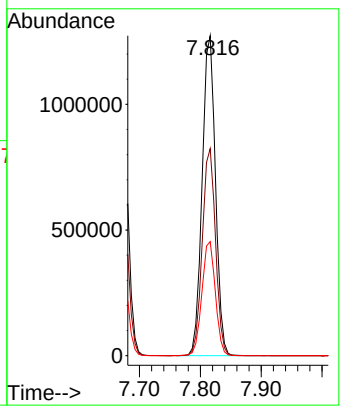




#13
1,4-Dichlorobenzene
Concen: 79.467 ng
RT: 7.816 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:146 Resp: 192419

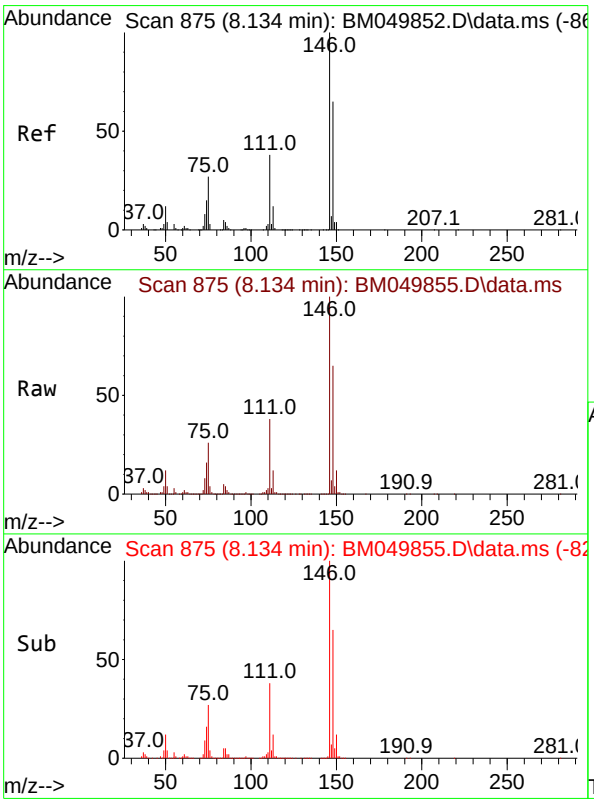
Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.4	78.6
111	35.7	28.5	42.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

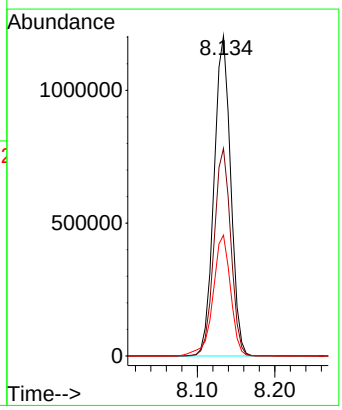
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

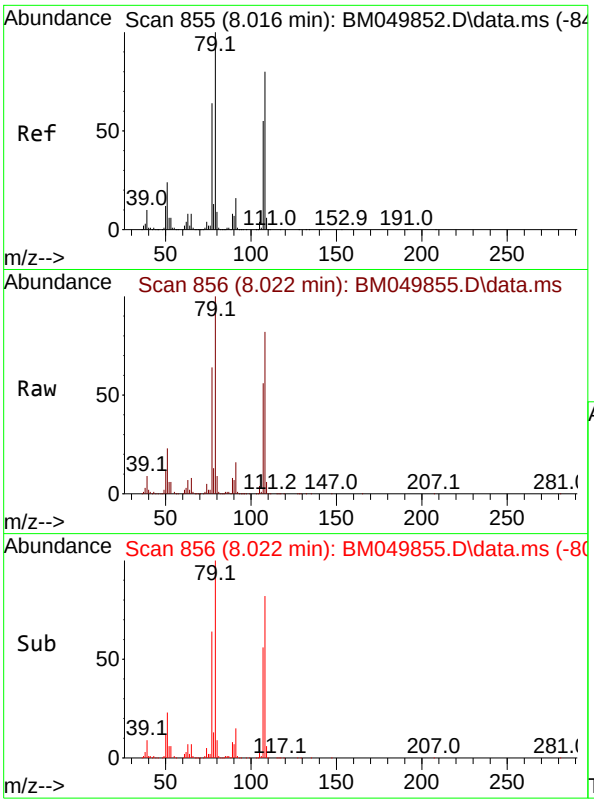


#14
1,2-Dichlorobenzene
Concen: 78.890 ng
RT: 8.134 min Scan# 875
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:146 Resp: 1799229

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.8	77.8
111	37.7	30.2	45.4





#15
Benzyl Alcohol
Concen: 82.414 ng
RT: 8.022 min Scan# 8
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

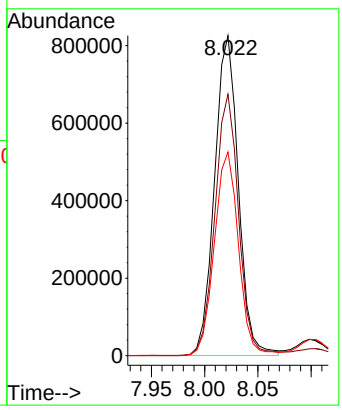
Tgt Ion: 79 Resp: 128244

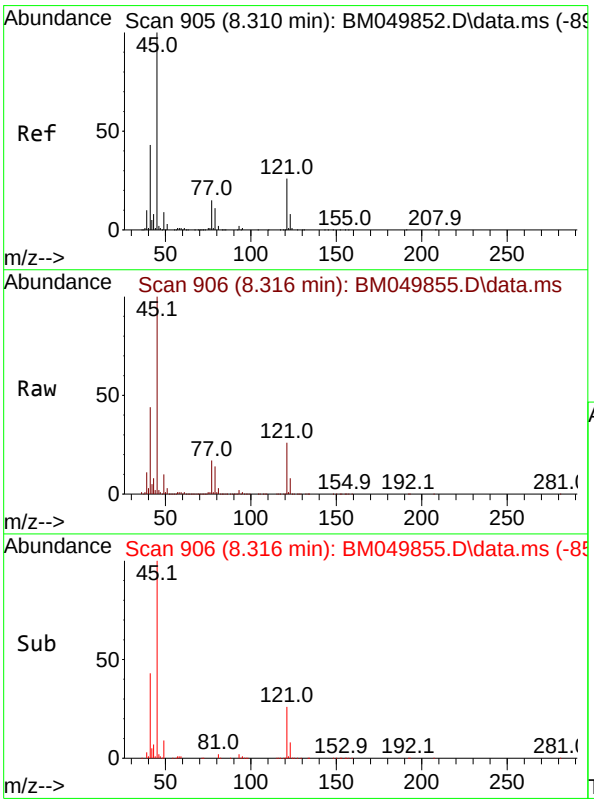
Ion	Ratio	Lower	Upper
79	100		
108	81.7	63.6	95.4
77	63.6	51.3	76.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

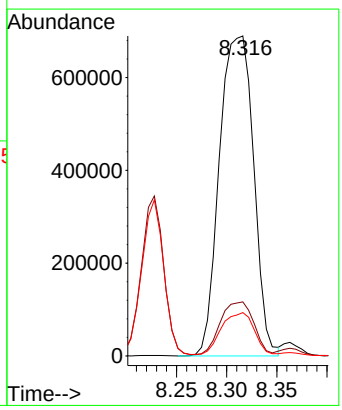


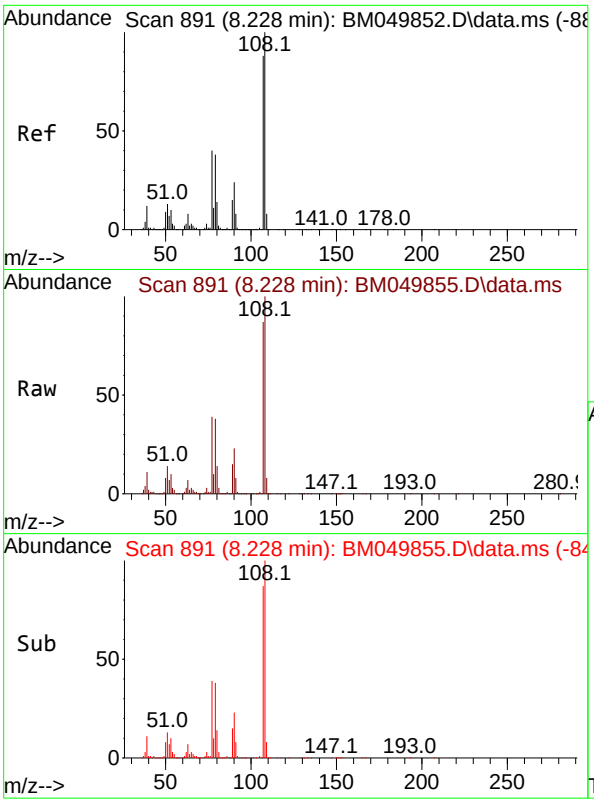


#16
2,2'-oxybis(1-Chloropropane)
Concen: 77.719 ng
RT: 8.316 min Scan# 906
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 45 Resp: 1638145

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.9
79	13.5	0.0	32.9

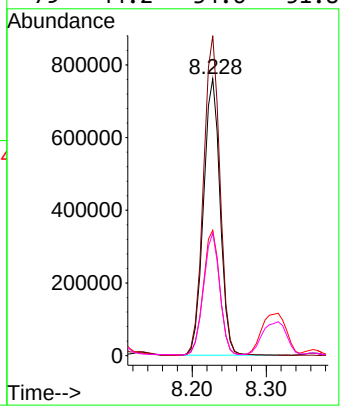




#17
2-Methylphenol
Concen: 79.623 ng
RT: 8.228 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:107 Resp: 118325

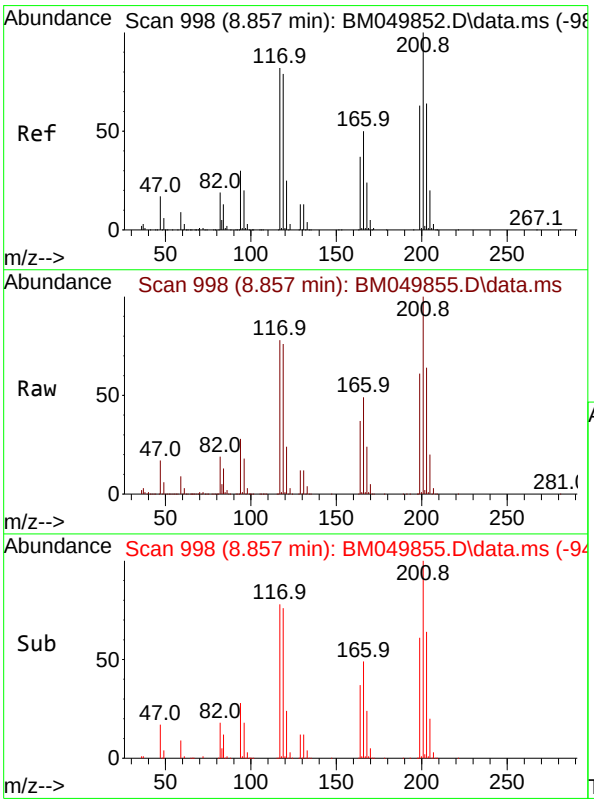
Ion	Ratio	Lower	Upper
107	100		
108	115.5	91.0	136.6
77	45.3	36.5	54.7
79	44.2	34.6	51.8



Instrument :
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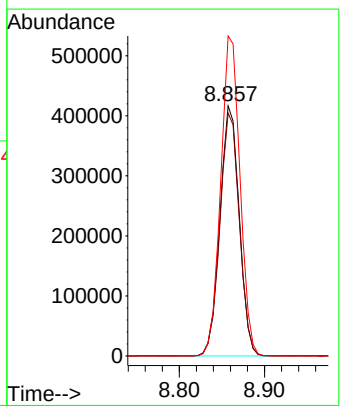
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

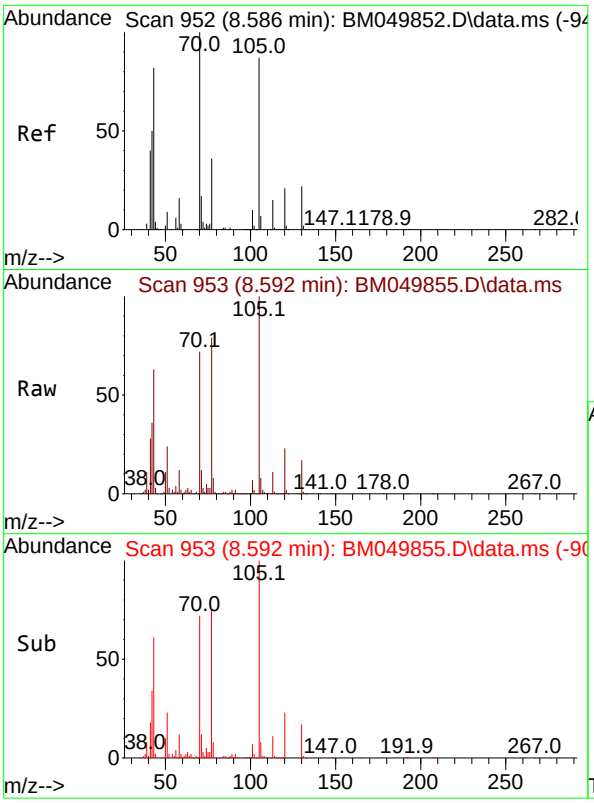


#18
Hexachloroethane
Concen: 78.143 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:117 Resp: 658294

Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.5	116.3
201	128.0	97.7	146.5

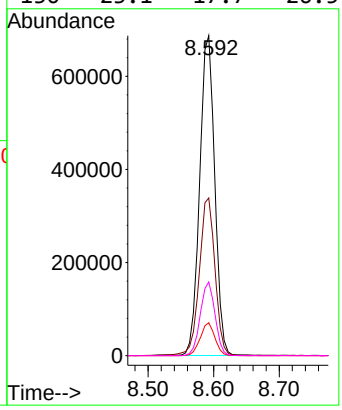




#19
n-Nitroso-di-n-propylamine
Concen: 80.420 ng
RT: 8.592 min Scan# 9
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 70 Resp: 110066

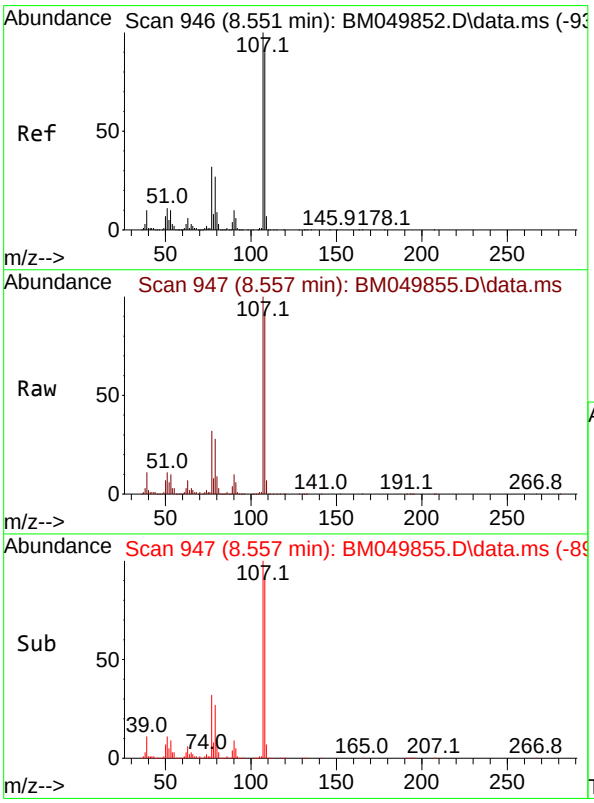
Ion	Ratio	Lower	Upper
70	100		
42	49.3	40.2	60.2
101	10.3	7.9	11.9
130	23.1	17.7	26.5



Instrument :
BNA_M
ClientSampleId :
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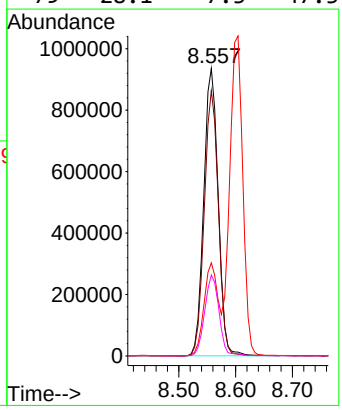
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

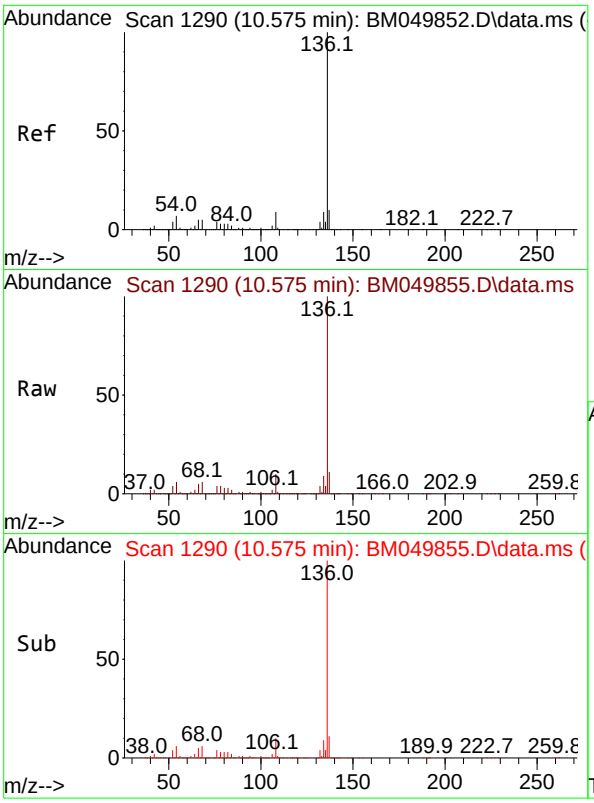


#20
3+4-Methylphenols
Concen: 80.930 ng
RT: 8.557 min Scan# 947
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:107 Resp: 1639646

Ion	Ratio	Lower	Upper
107	100		
108	92.2	69.6	109.6
77	32.4	11.7	51.7
79	28.1	7.3	47.3

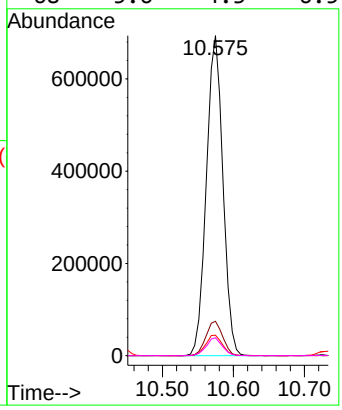




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:136 Resp: 112263

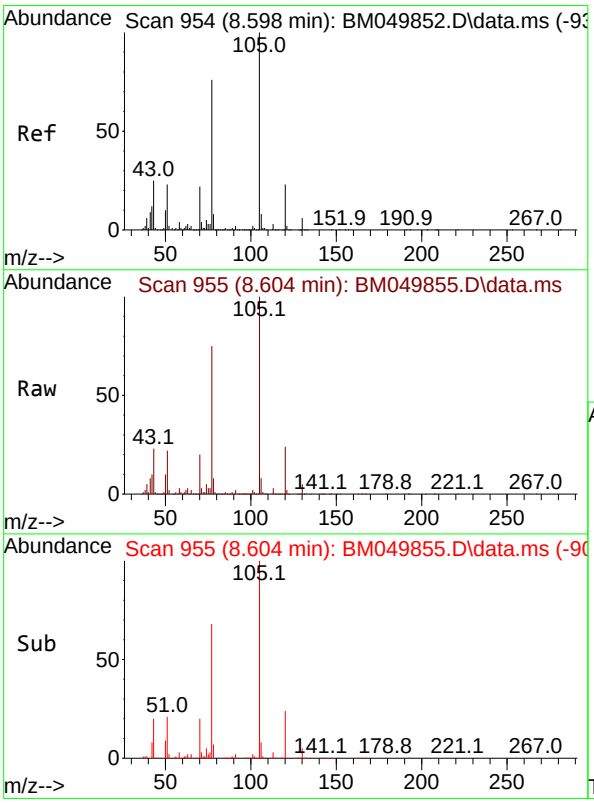
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	6.4	5.3	7.9
68	5.6	4.3	6.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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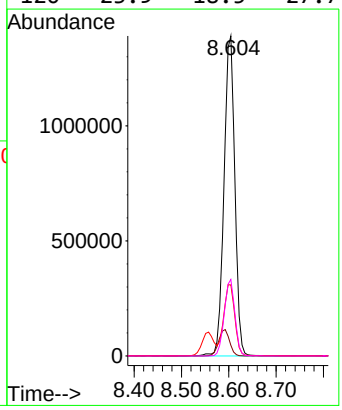
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

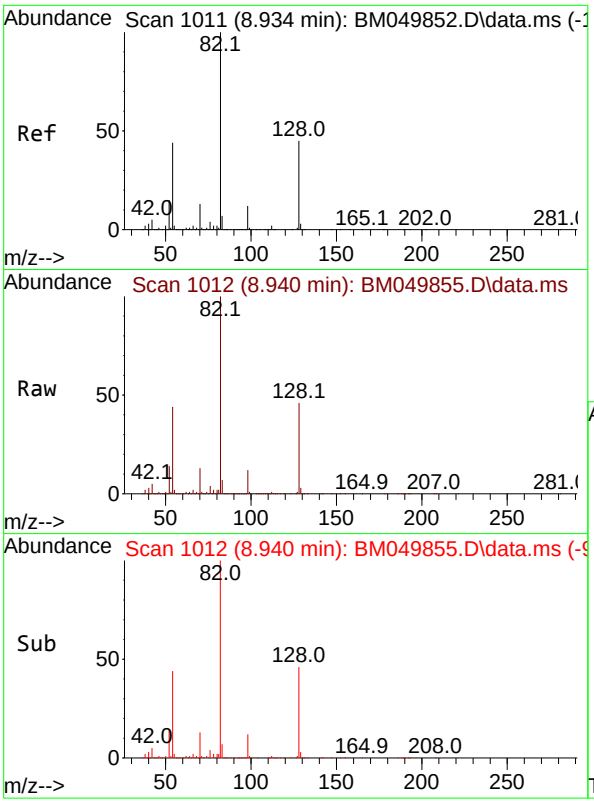


#22
Acetophenone
Concen: 81.093 ng
RT: 8.604 min Scan# 955
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:105 Resp: 2212514

Ion	Ratio	Lower	Upper
105	100		
71	3.4	3.0	4.4
51	22.2	18.6	27.8
120	23.9	18.5	27.7





#23
Nitrobenzene-d5
Concen: 165.228 ng
RT: 8.940 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

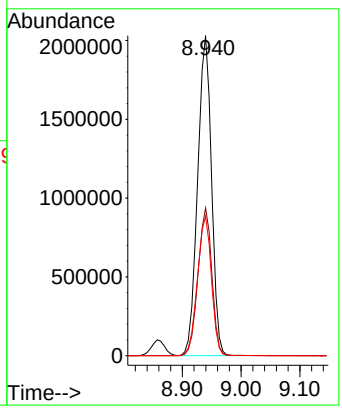
Tgt Ion: 82 Resp: 333106

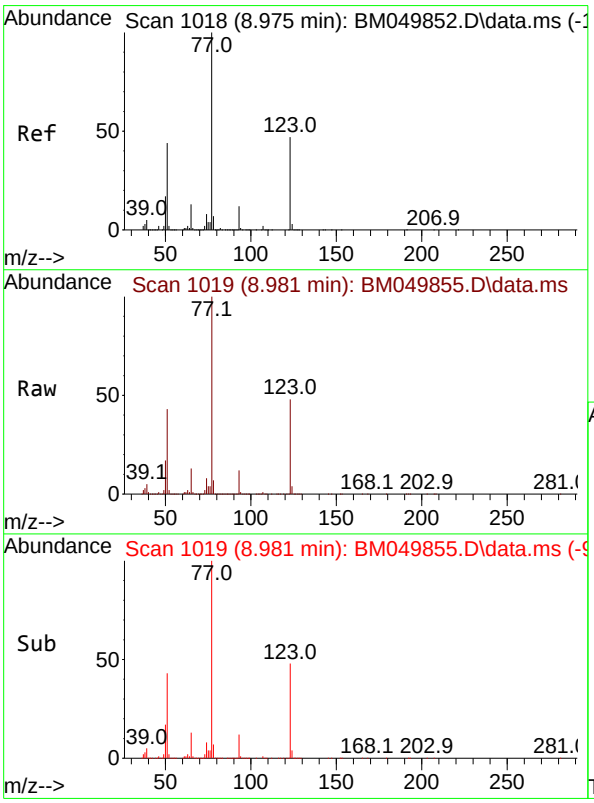
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.2	54.2
54	43.6	35.0	52.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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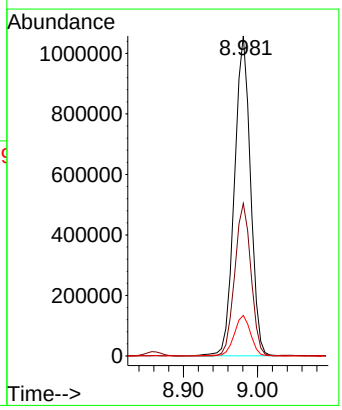


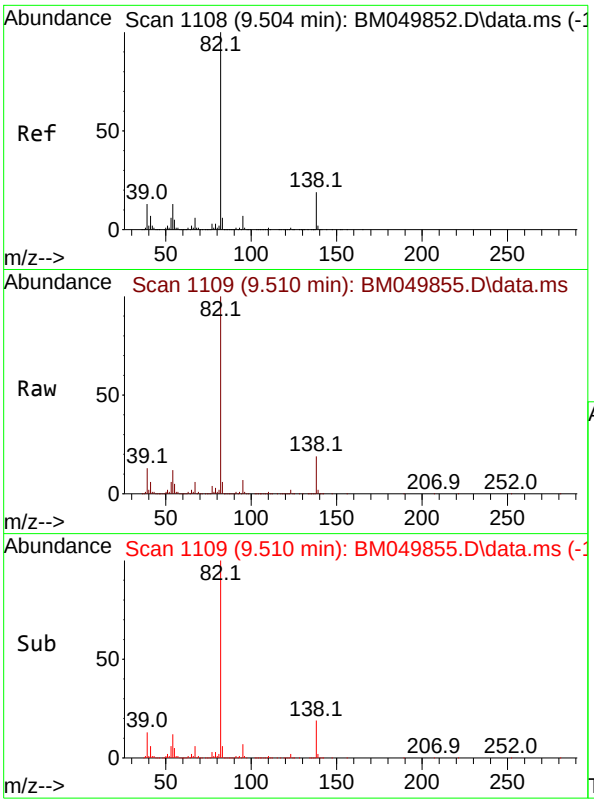


#24
Nitrobenzene
Concen: 81.805 ng
RT: 8.981 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 77 Resp: 1588049

Ion	Ratio	Lower	Upper
77	100		
123	47.7	37.4	56.2
65	12.7	10.1	15.1





#25
Isophorone
Concen: 82.413 ng
RT: 9.510 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

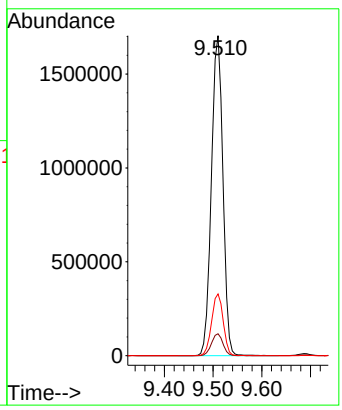
Tgt Ion: 82 Resp: 278332

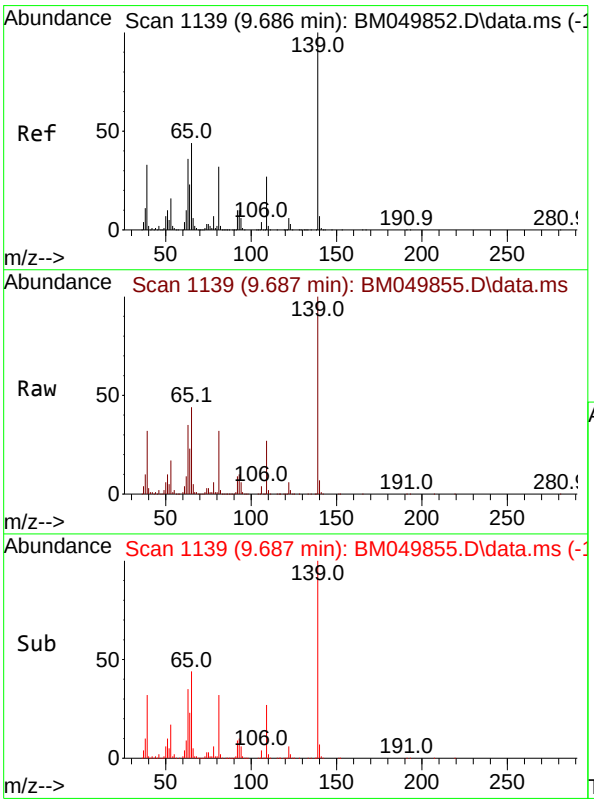
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.4	8.2
138	19.3	15.0	22.6

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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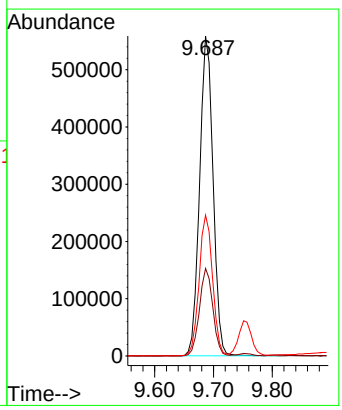


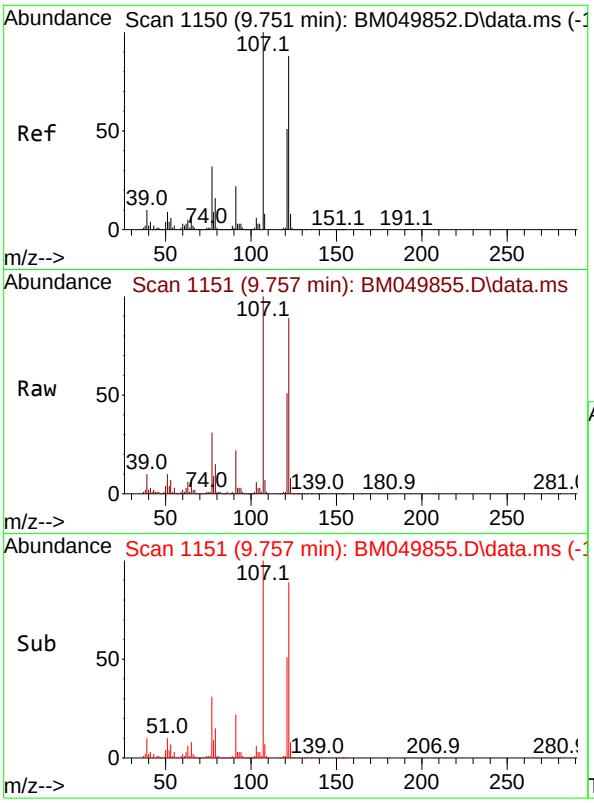


#26
2-Nitrophenol
Concen: 86.097 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:139 Resp: 885850

Ion	Ratio	Lower	Upper
139	100		
109	27.3	21.7	32.5
65	44.0	35.2	52.8

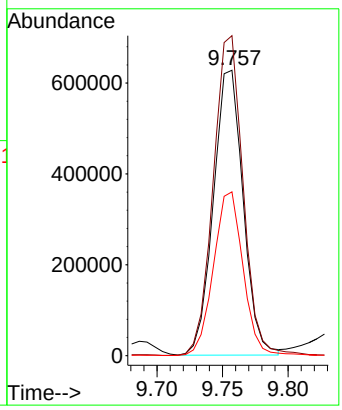




#27
2,4-Dimethylphenol
Concen: 84.960 ng
RT: 9.757 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:122 Resp: 99066

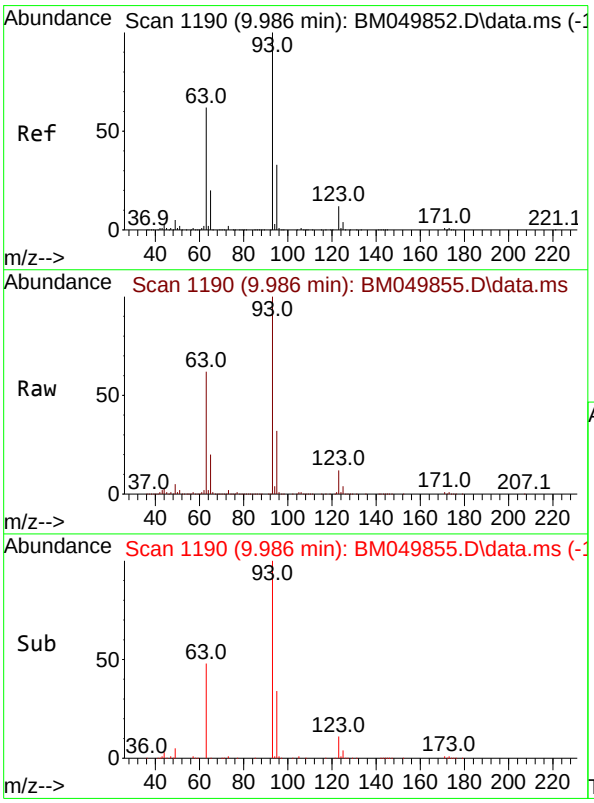
Ion	Ratio	Lower	Upper
122	100		
107	112.1	90.3	135.5
121	57.4	46.1	69.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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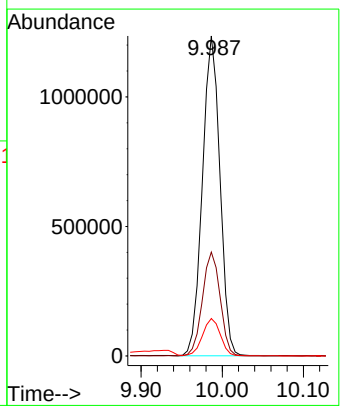
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

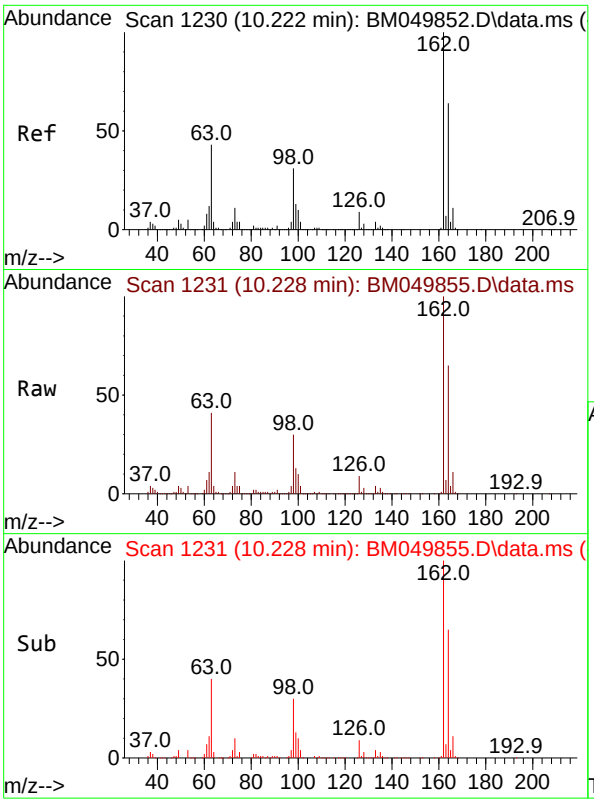


#28
bis(2-Chloroethoxy)methane
Concen: 81.806 ng
RT: 9.986 min Scan# 1190
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 93 Resp: 1849648

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.6	40.0
123	11.7	9.5	14.3





#29
2,4-Dichlorophenol
Concen: 84.360 ng
RT: 10.228 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

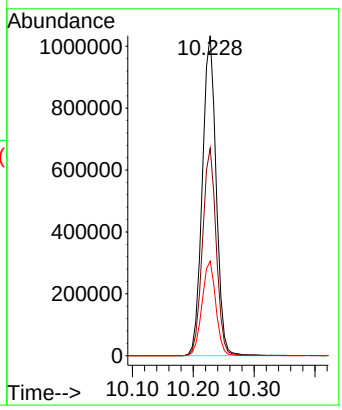
Tgt Ion:162 Resp: 163511

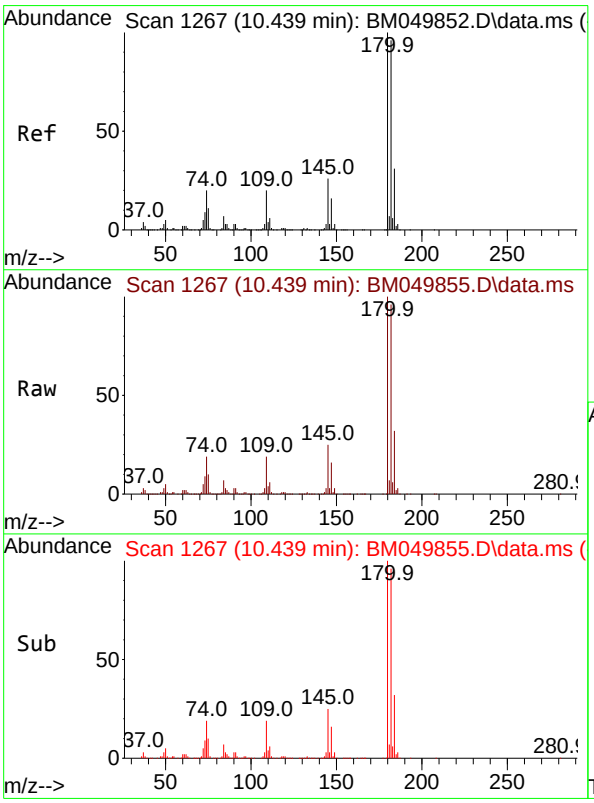
Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.3	84.3
98	29.6	10.9	50.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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Reviewed By :Anahy Claudio 04/09/2025
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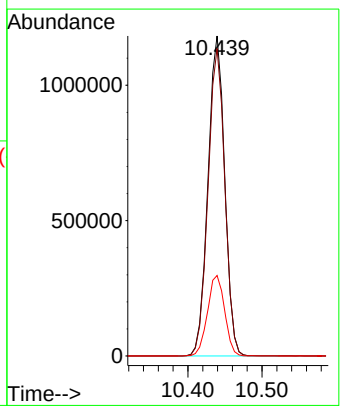


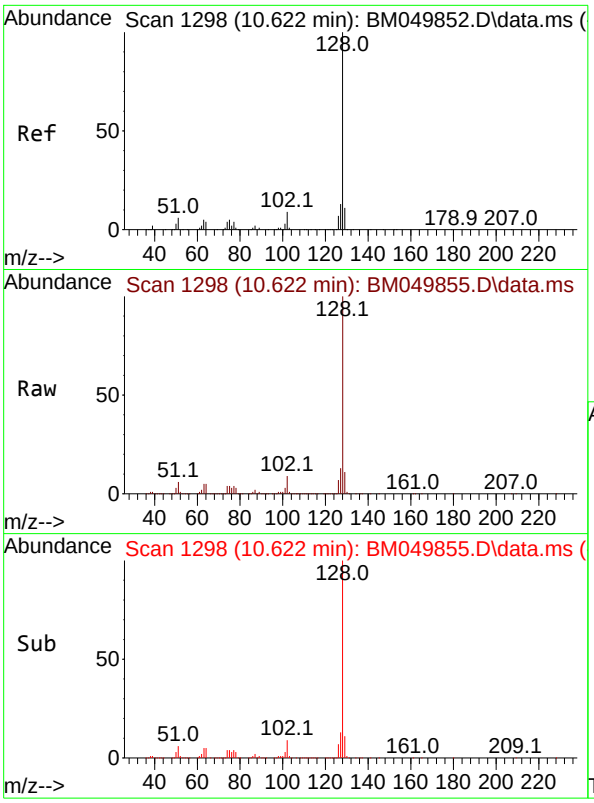


#30
1,2,4-Trichlorobenzene
Concen: 82.705 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:180 Resp: 1854479

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.7	115.1
145	25.2	20.8	31.2

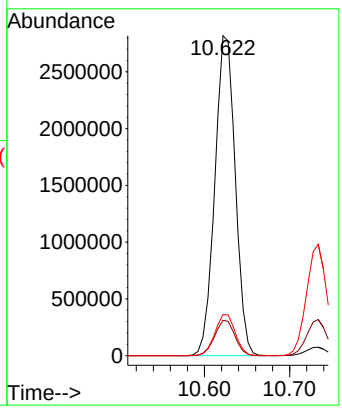




#31
Naphthalene
Concen: 81.343 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:128 Resp: 469232

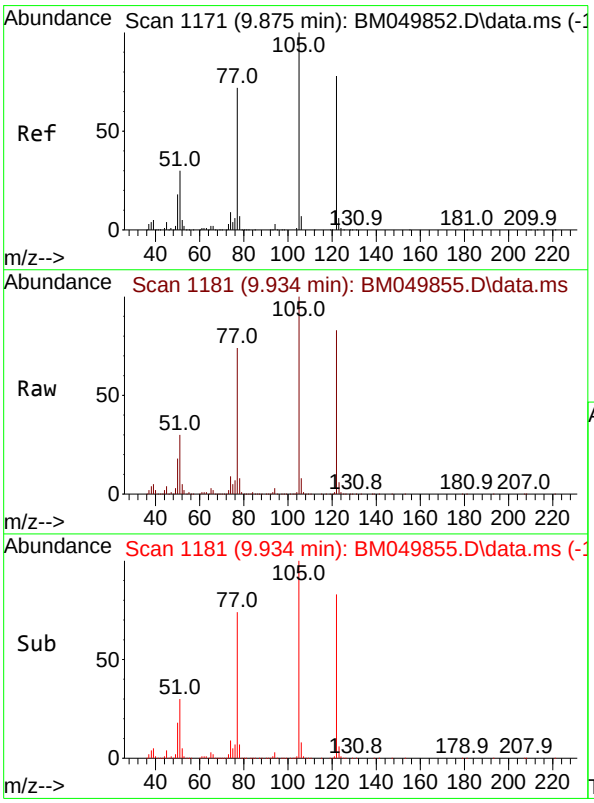
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.9	10.6	15.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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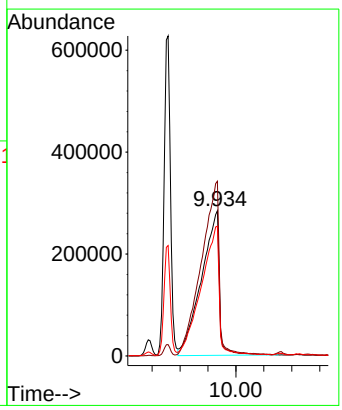
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

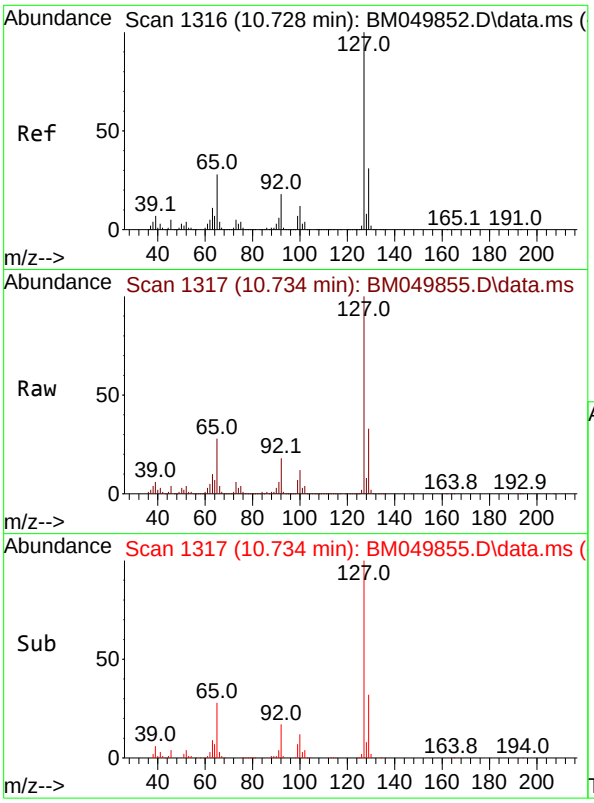


#32
Benzoic acid
Concen: 80.764 ng
RT: 9.934 min Scan# 1181
Delta R.T. 0.059 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:122 Resp: 1270650

Ion	Ratio	Lower	Upper
122	100		
105	120.3	103.8	143.8
77	89.4	70.7	110.7

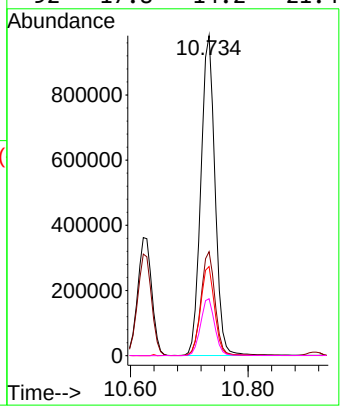




#33
4-Chloroaniline
Concen: 80.751 ng
RT: 10.734 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:127 Resp: 164486

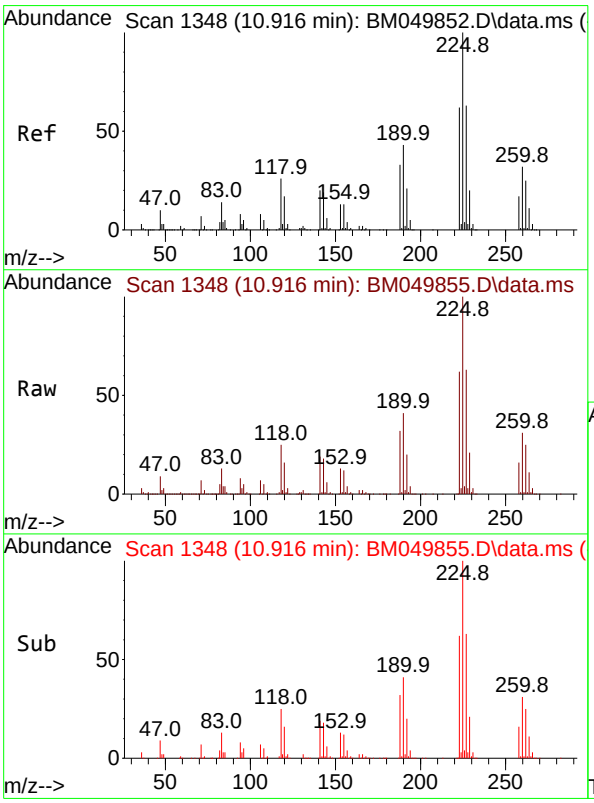
Ion	Ratio	Lower	Upper
127	100		
129	32.5	24.9	37.3
65	27.8	22.4	33.6
92	17.8	14.2	21.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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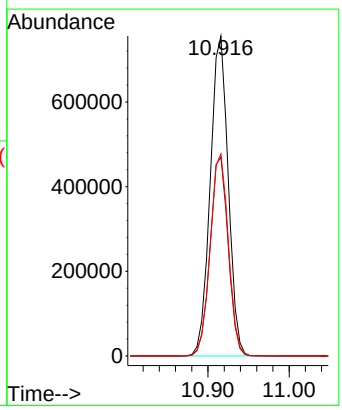
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

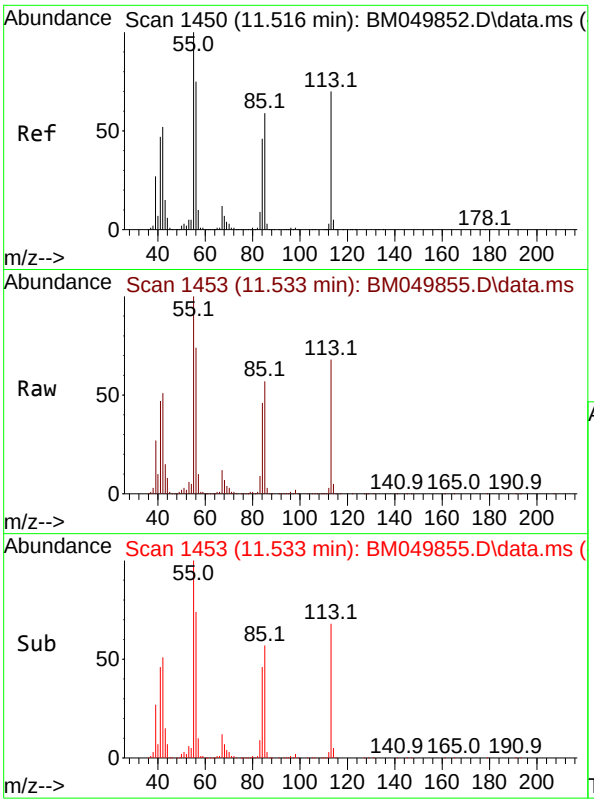


#34
Hexachlorobutadiene
Concen: 83.656 ng
RT: 10.916 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:225 Resp: 1160306

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.4	74.2
227	63.1	50.1	75.1





#35
Caprolactam
Concen: 84.302 ng
RT: 11.533 min Scan# 14
Delta R.T. 0.018 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

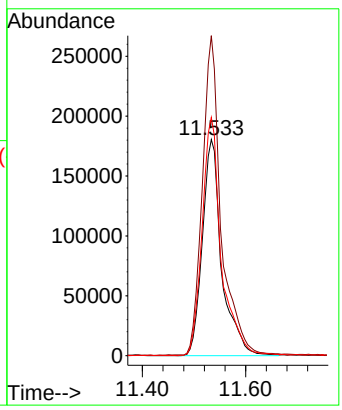
Tgt Ion:113 Resp: 46865

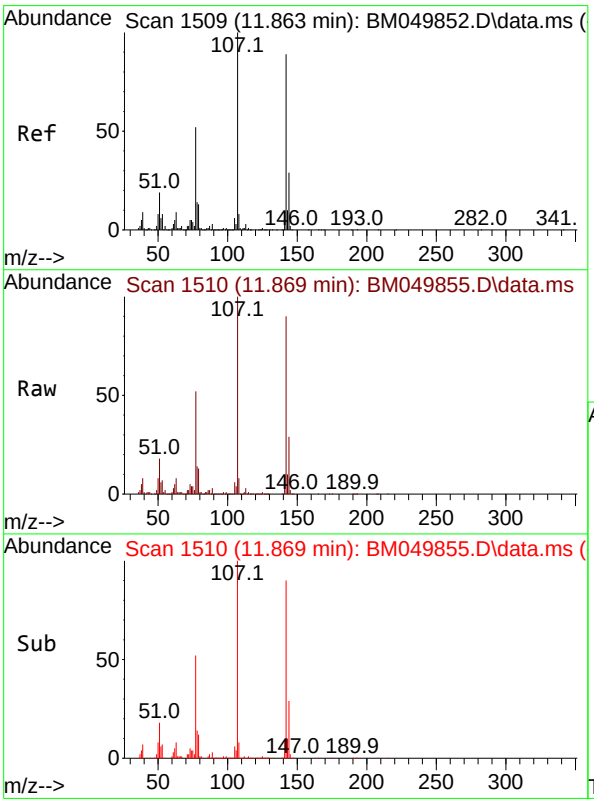
Ion	Ratio	Lower	Upper
113	100		
55	148.0	124.3	164.3
56	110.2	87.5	127.5

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

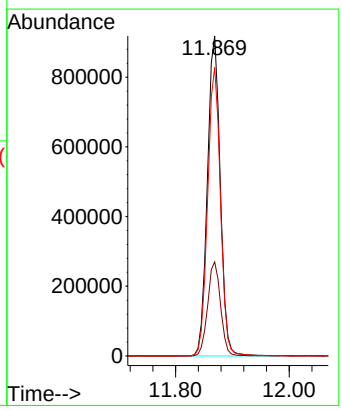


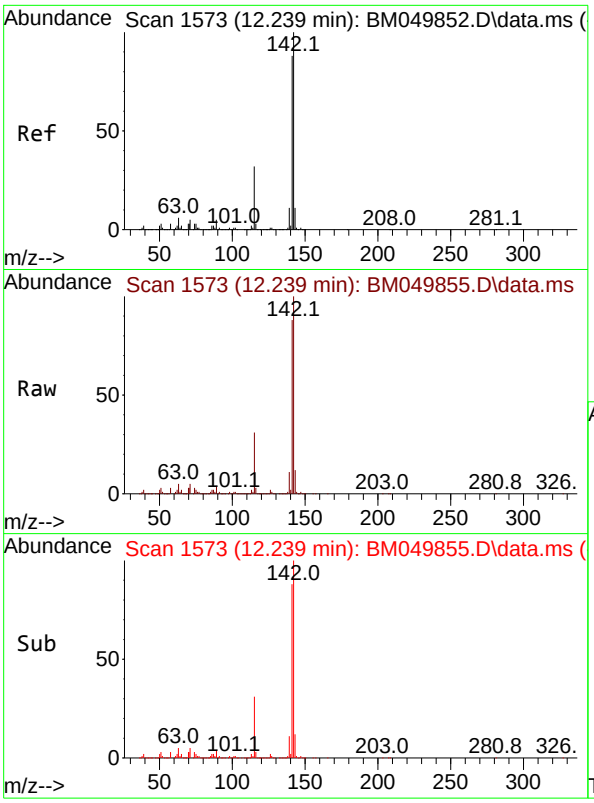


#36
4-Chloro-3-methylphenol
Concen: 84.779 ng
RT: 11.869 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:107 Resp: 1439396

Ion	Ratio	Lower	Upper
107	100		
144	29.4	23.6	35.4
142	90.2	71.4	107.0

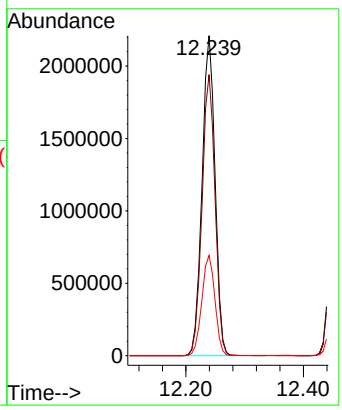




#37
2-Methylnaphthalene
Concen: 83.379 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:142 Resp: 338876

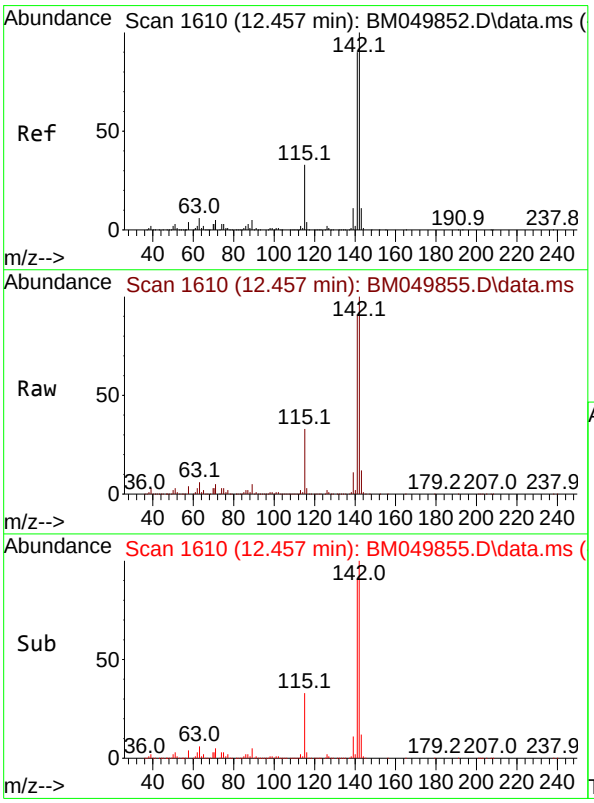
Ion	Ratio	Lower	Upper
142	100		
141	87.9	70.2	105.2
115	31.4	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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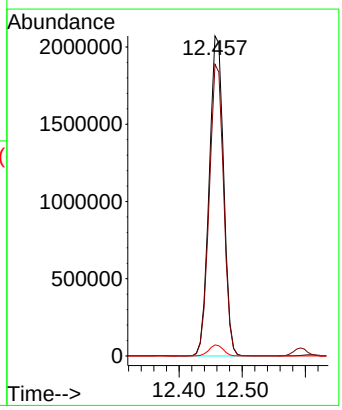
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

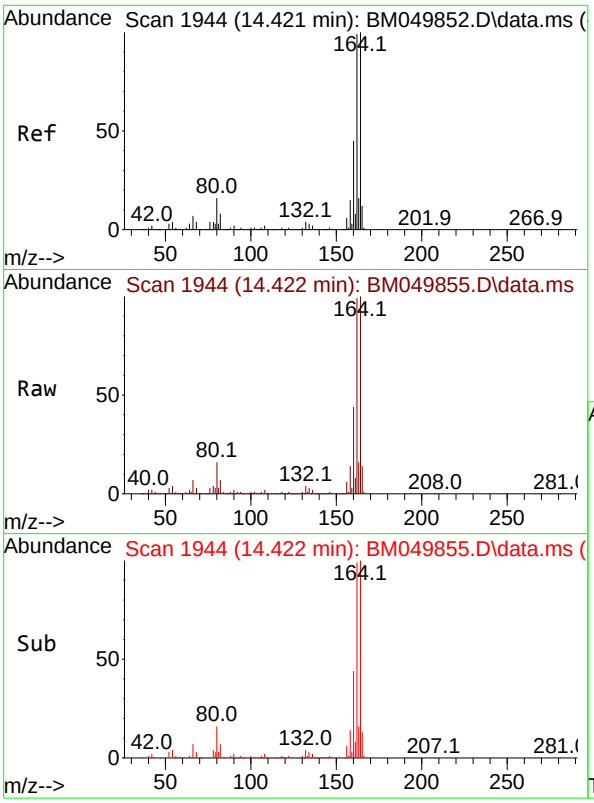


#38
1-Methylnaphthalene
Concen: 82.967 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:142 Resp: 3285148

Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.2	108.2
116	3.4	2.9	4.3

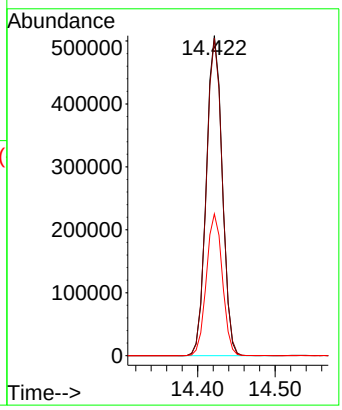




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:164 Resp: 72437

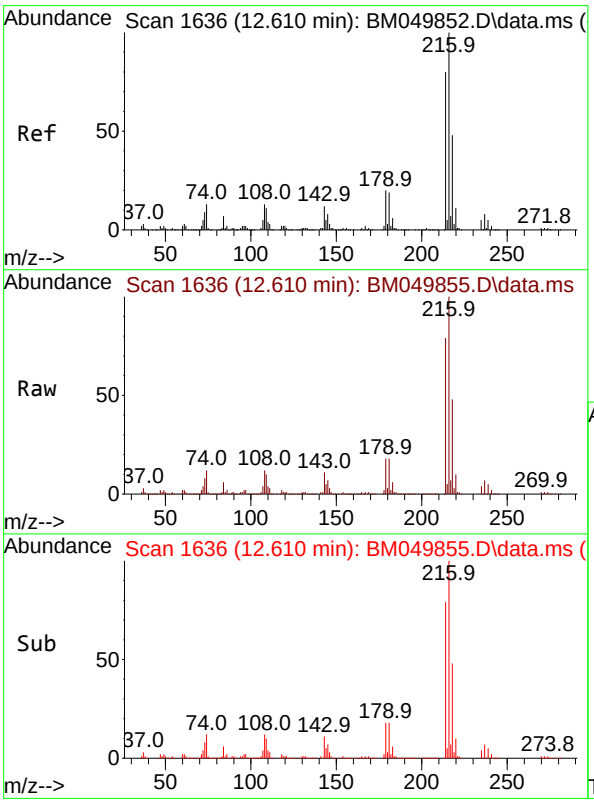
Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.4	119.0
160	44.3	36.2	54.2



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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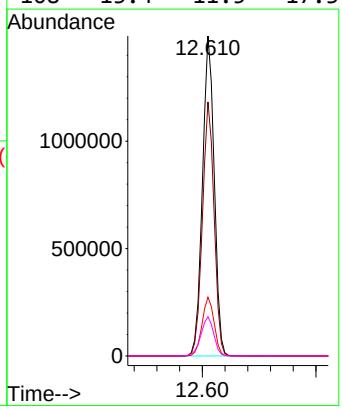
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

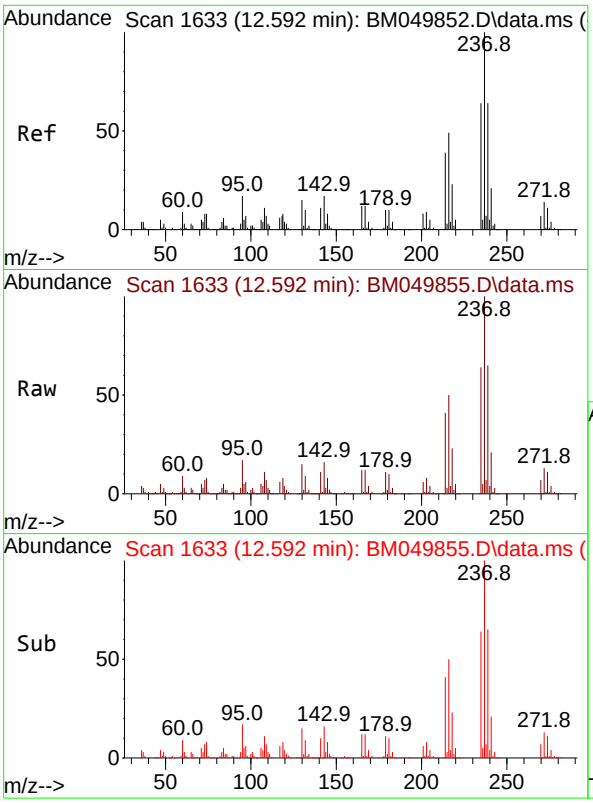


#40
1,2,4,5-Tetrachlorobenzene
Concen: 84.255 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:216 Resp: 2135182

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.2	94.8
179	18.8	15.8	23.6
108	13.4	11.5	17.3

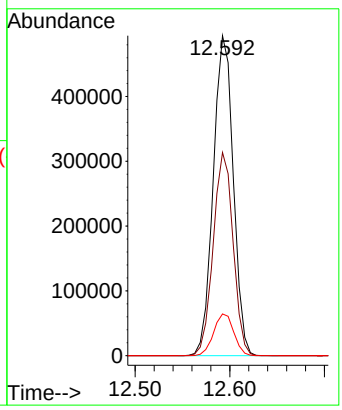




#41
Hexachlorocyclopentadiene
Concen: 81.754 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:237 Resp: 72597

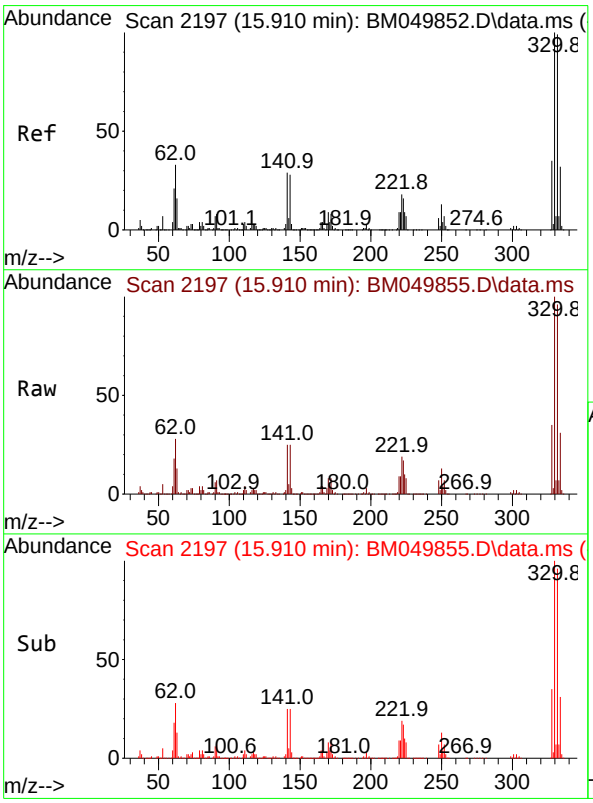
Ion	Ratio	Lower	Upper
237	100		
235	63.5	43.7	83.7
272	13.1	0.0	33.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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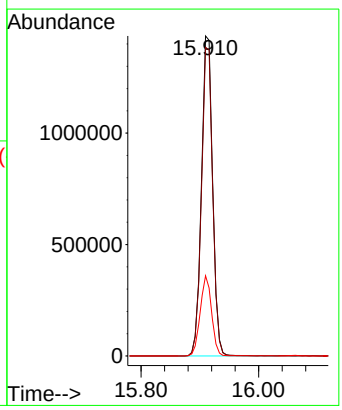
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

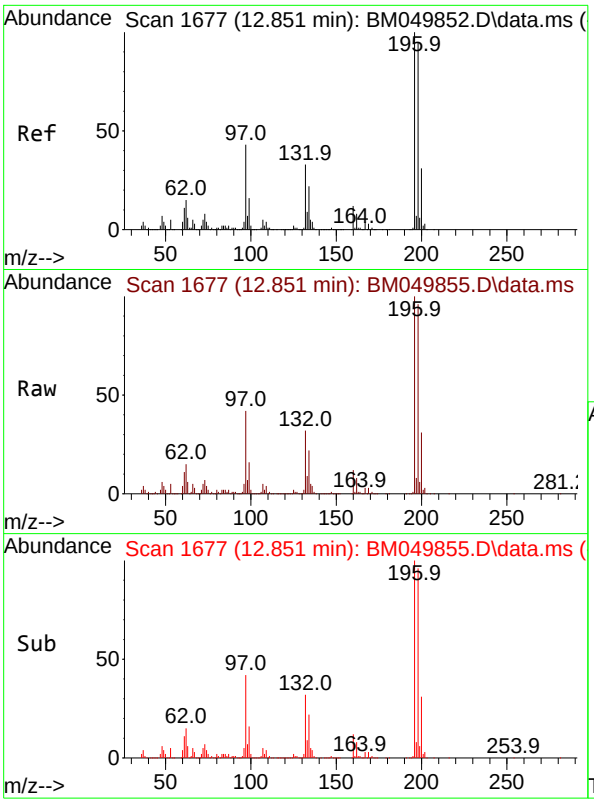


#42
2,4,6-Tribromophenol
Concen: 180.622 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:330 Resp: 1903078

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	25.5	23.5	35.3

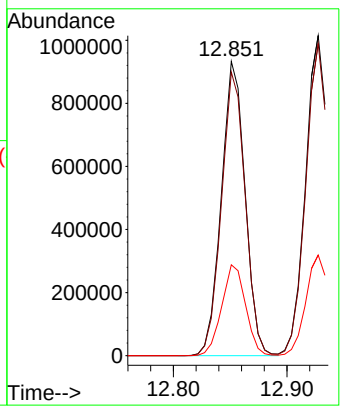




#43
2,4,6-Trichlorophenol
Concen: 84.134 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:196 Resp: 135673

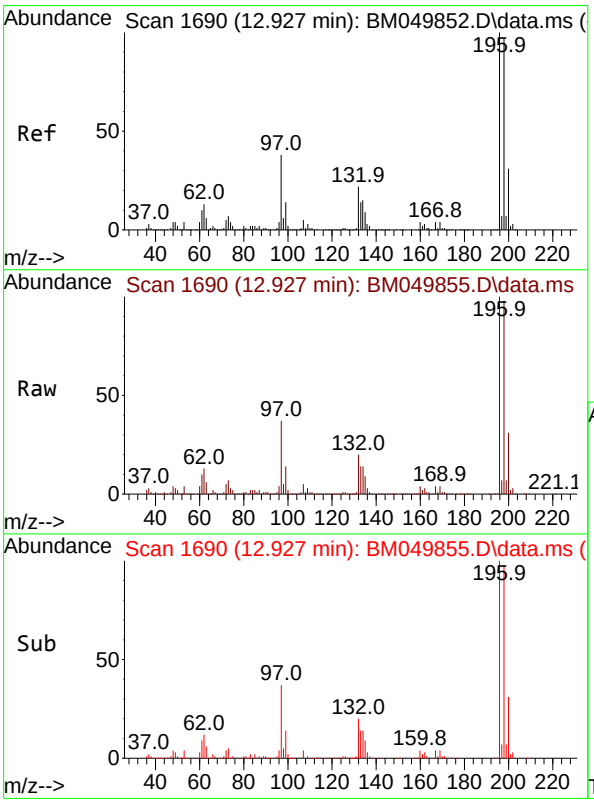
Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.1	114.1
200	30.9	24.7	37.1



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

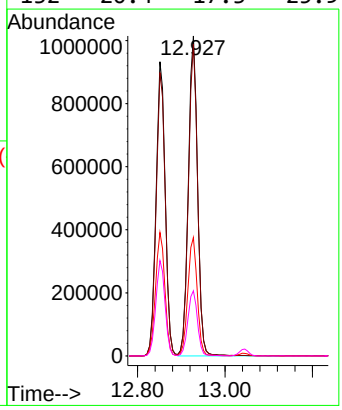
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

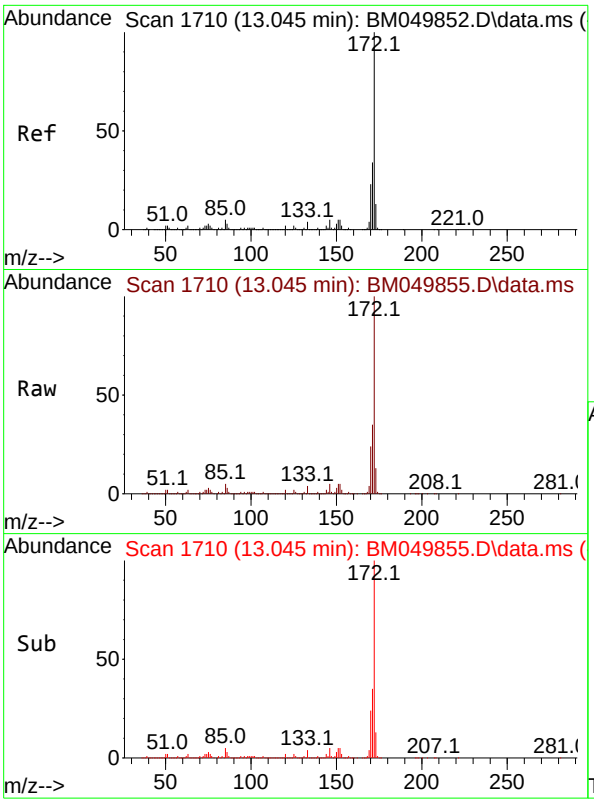


#44
2,4,5-Trichlorophenol
Concen: 84.323 ng
RT: 12.927 min Scan# 1690
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:196 Resp: 1477695

Ion	Ratio	Lower	Upper
196	100		
198	97.5	77.7	116.5
97	37.0	30.3	45.5
132	20.4	17.3	25.9

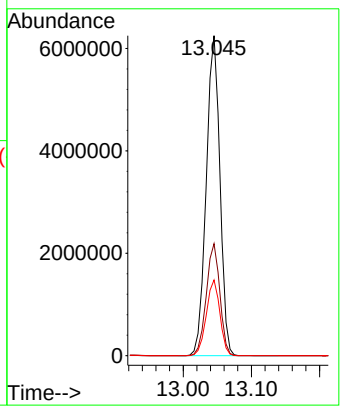




#45
2-Fluorobiphenyl
Concen: 163.160 ng
RT: 13.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:172 Resp: 871591

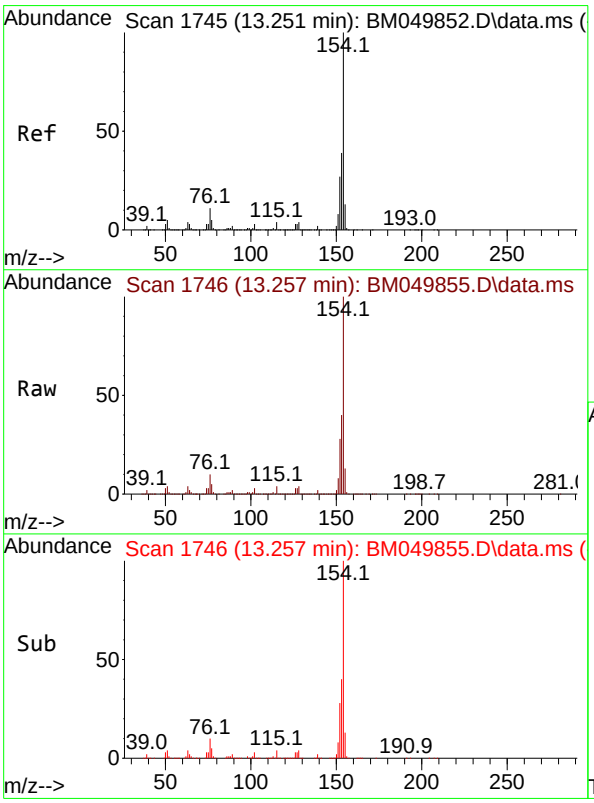
Ion	Ratio	Lower	Upper
172	100		
171	35.0	27.4	41.2
170	23.7	18.6	28.0



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

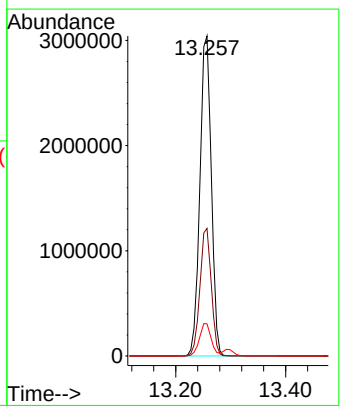
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

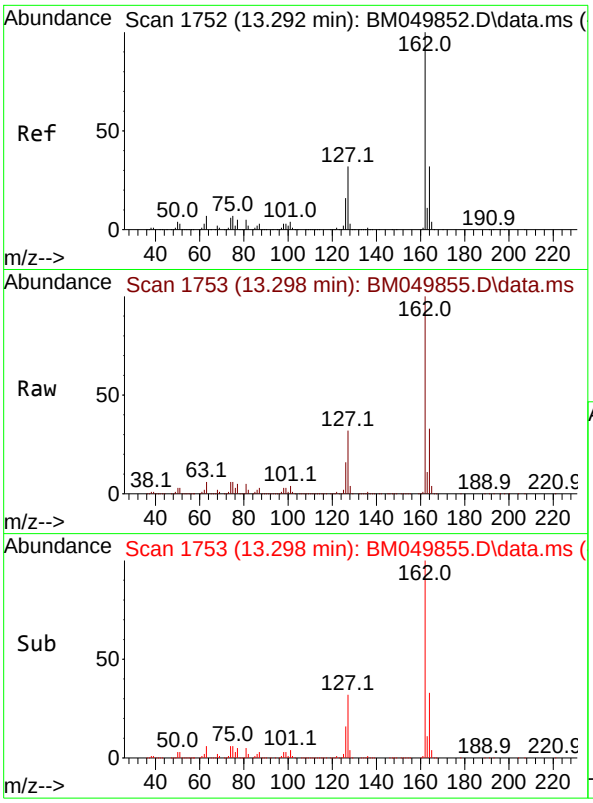


#46
1,1'-Biphenyl
Concen: 81.540 ng
RT: 13.257 min Scan# 1746
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:154 Resp: 4390713

Ion	Ratio	Lower	Upper
154	100		
153	39.8	19.3	59.3
76	10.0	0.0	30.7

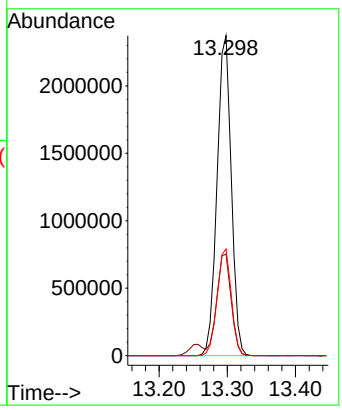




#47
2-Chloronaphthalene
Concen: 81.376 ng
RT: 13.298 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:162 Resp: 344409

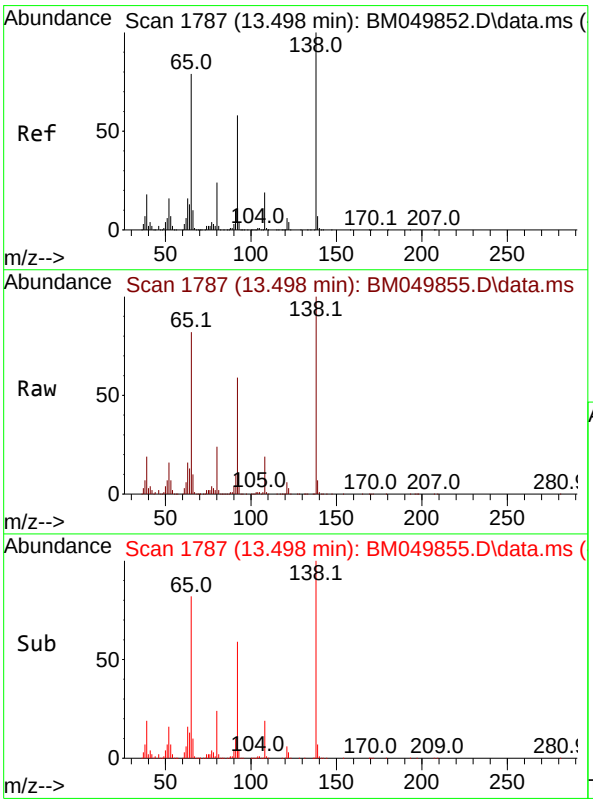
Ion	Ratio	Lower	Upper
162	100		
127	31.7	26.0	39.0
164	33.3	25.9	38.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

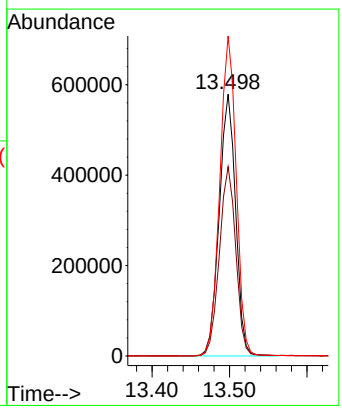
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

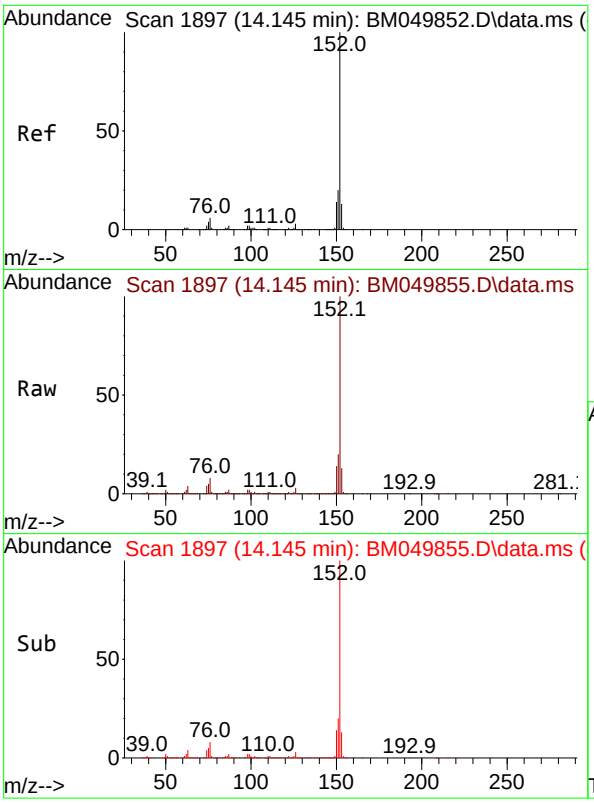


#48
2-Nitroaniline
Concen: 87.168 ng
RT: 13.498 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 65 Resp: 853486

Ion	Ratio	Lower	Upper
65	100		
92	72.3	58.4	87.6
138	122.2	100.8	151.2

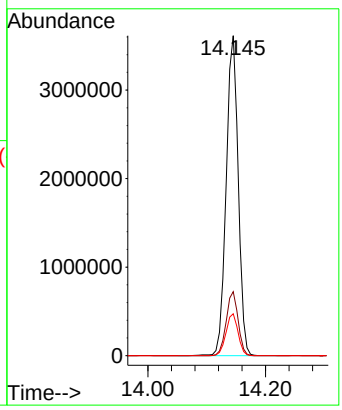




#49
Acenaphthylene
Concen: 83.088 ng
RT: 14.145 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:152 Resp: 512239

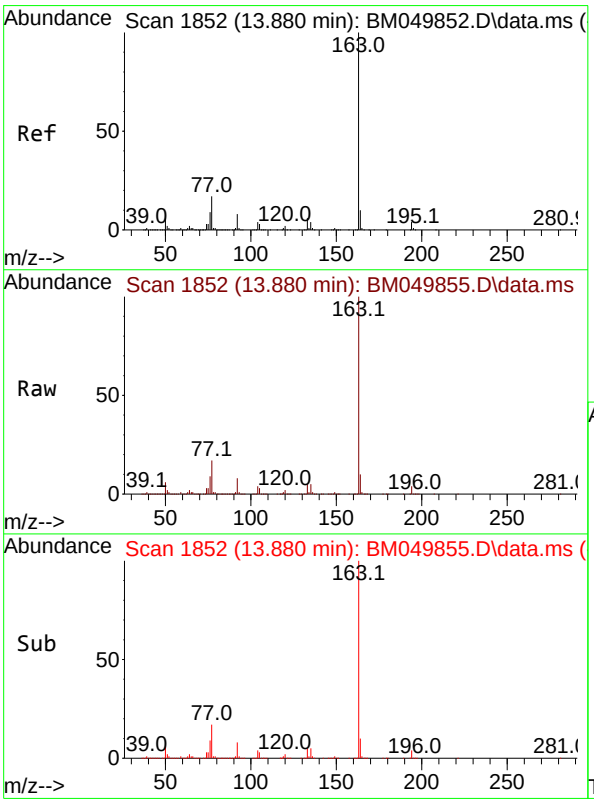
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.1	10.4	15.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

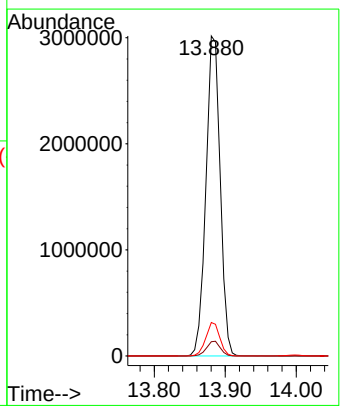
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

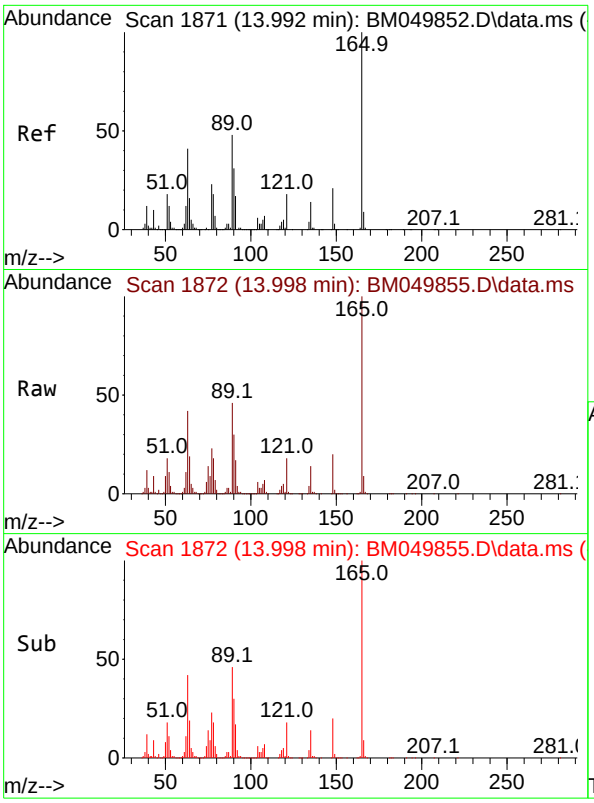


#50
Dimethylphthalate
Concen: 82.512 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:163 Resp: 4216670

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	10.4	7.9	11.9

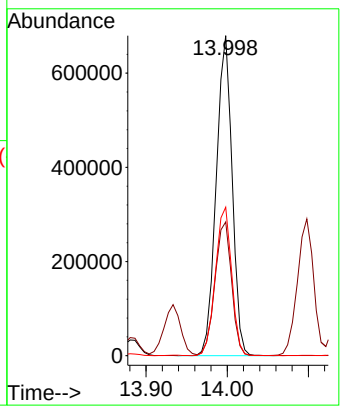




#51
2,6-Dinitrotoluene
Concen: 86.653 ng
RT: 13.998 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:165 Resp: 92778

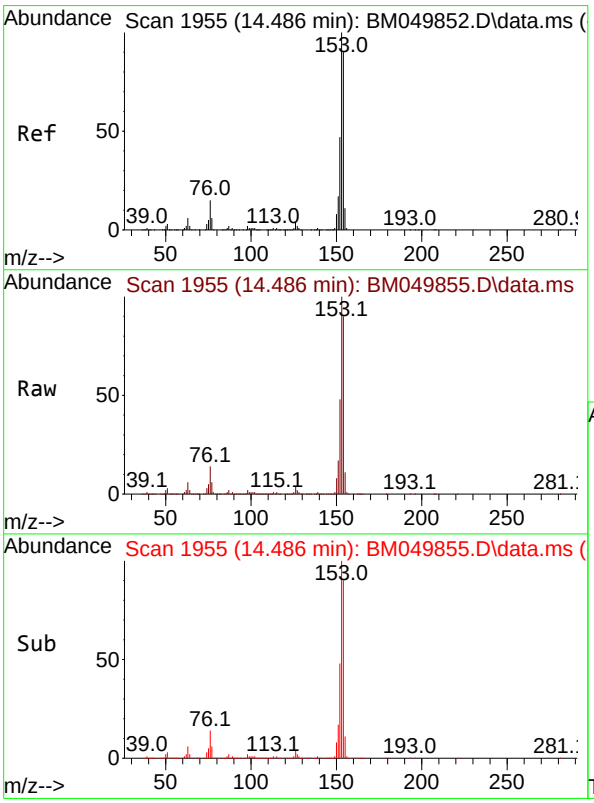
Ion	Ratio	Lower	Upper
165	100		
63	41.8	36.1	54.1
89	46.4	38.3	57.5



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

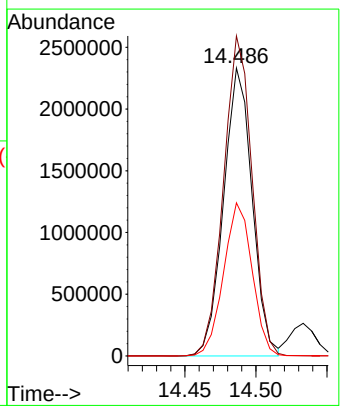
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

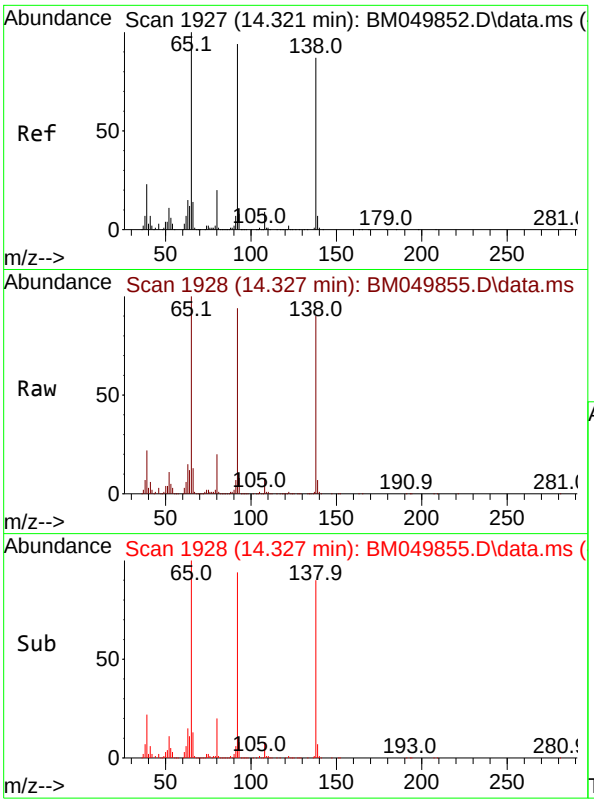


#52
Acenaphthene
Concen: 83.258 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:154 Resp: 3264918

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.3	133.9
152	53.2	42.2	63.2





#53
3-Nitroaniline
Concen: 89.933 ng
RT: 14.327 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

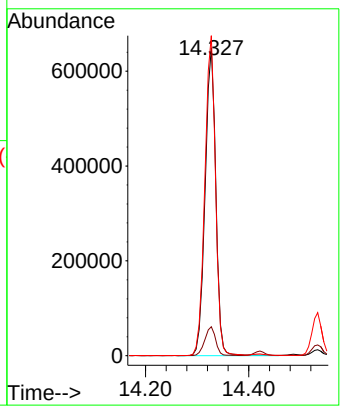
Tgt Ion:138 Resp: 93064

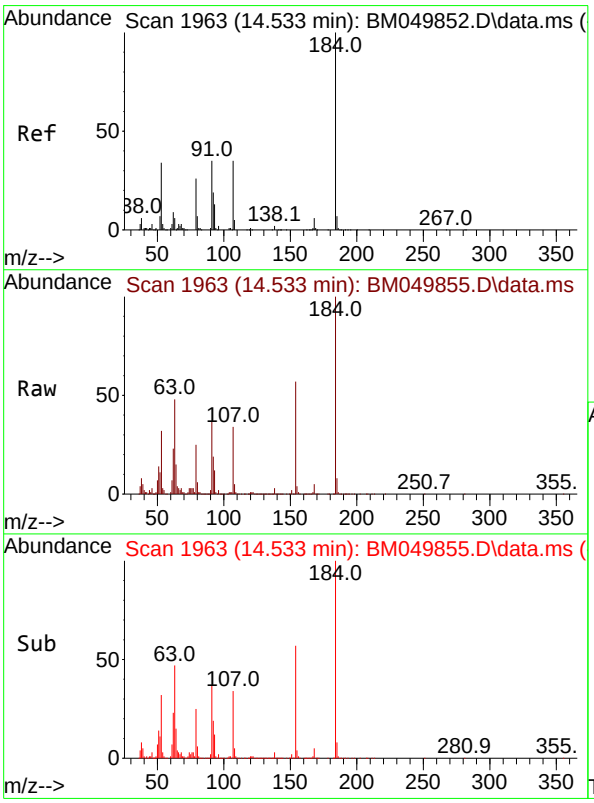
Ion	Ratio	Lower	Upper
138	100		
108	9.4	8.1	12.1
92	104.0	86.5	129.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

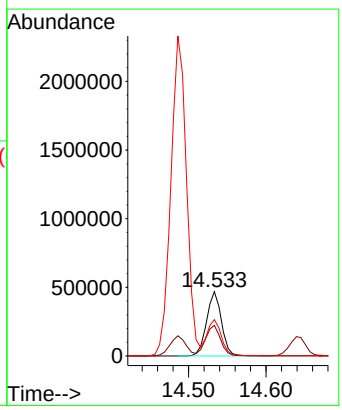


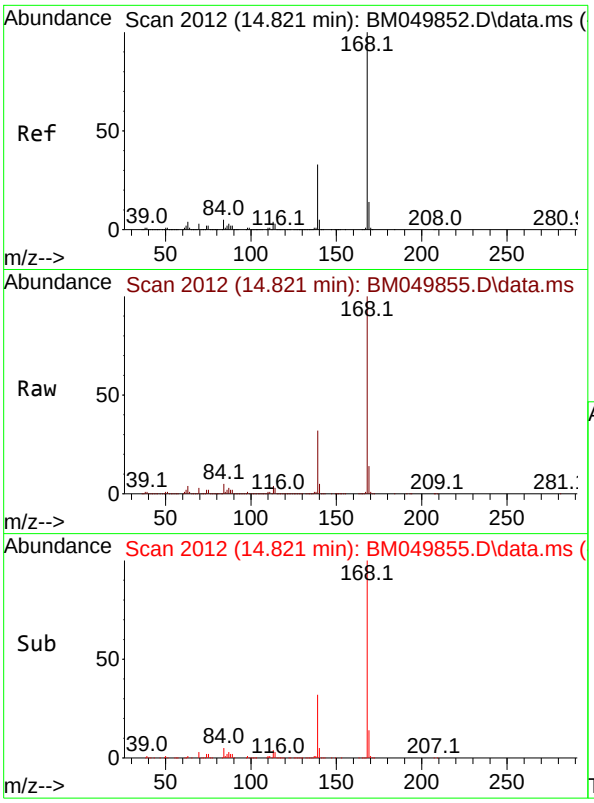


#54
2,4-Dinitrophenol
Concen: 80.604 ng
RT: 14.533 min Scan# 1963
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:184 Resp: 625443

Ion	Ratio	Lower	Upper
184	100		
63	47.6	38.4	57.6
154	56.6	48.1	72.1

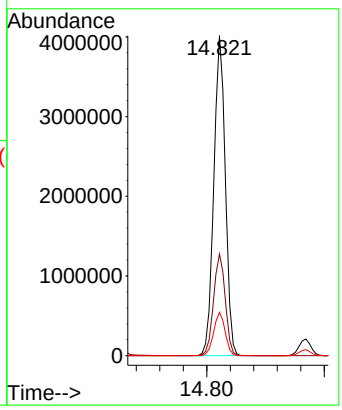




#55
Dibenzofuran
Concen: 83.068 ng
RT: 14.821 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:168 Resp: 544558(

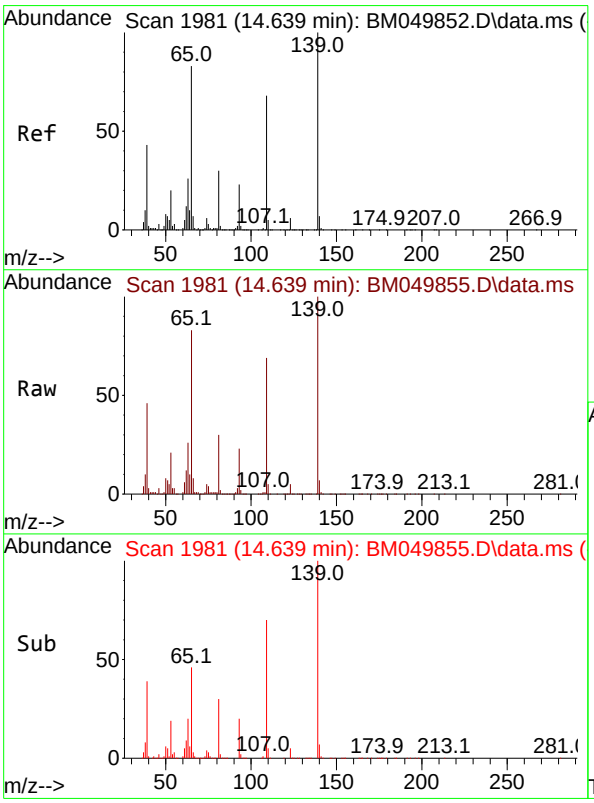
Ion	Ratio	Lower	Upper
168	100		
139	31.7	26.6	39.8
169	13.6	11.0	16.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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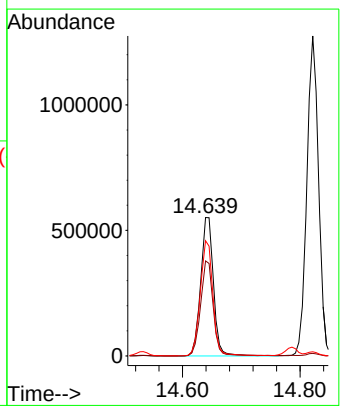
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

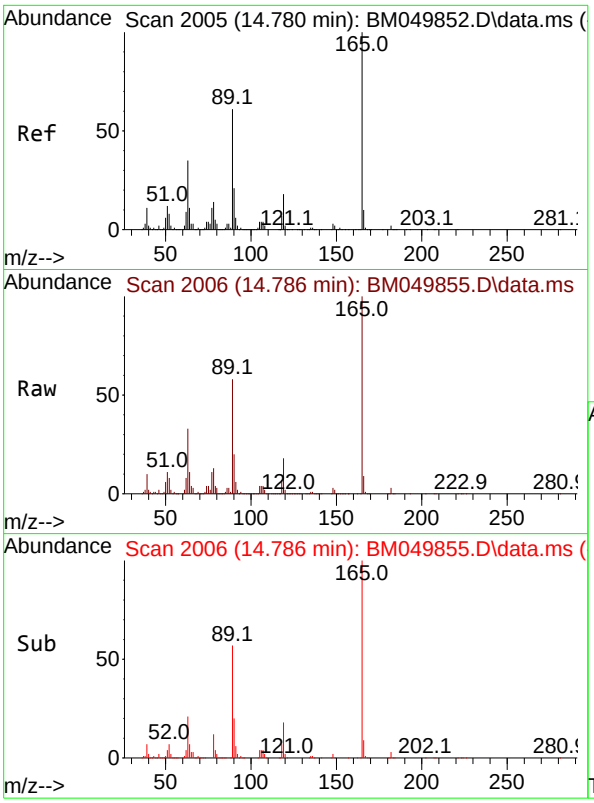


#56
4-Nitrophenol
Concen: 90.623 ng
RT: 14.639 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:139 Resp: 835691

Ion	Ratio	Lower	Upper
139	100		
109	68.7	47.9	87.9
65	83.2	62.7	102.7

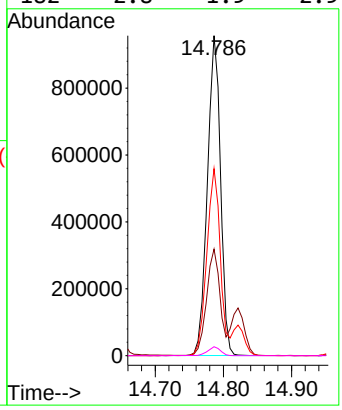




#57
2,4-Dinitrotoluene
Concen: 89.846 ng
RT: 14.786 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:165 Resp: 128334

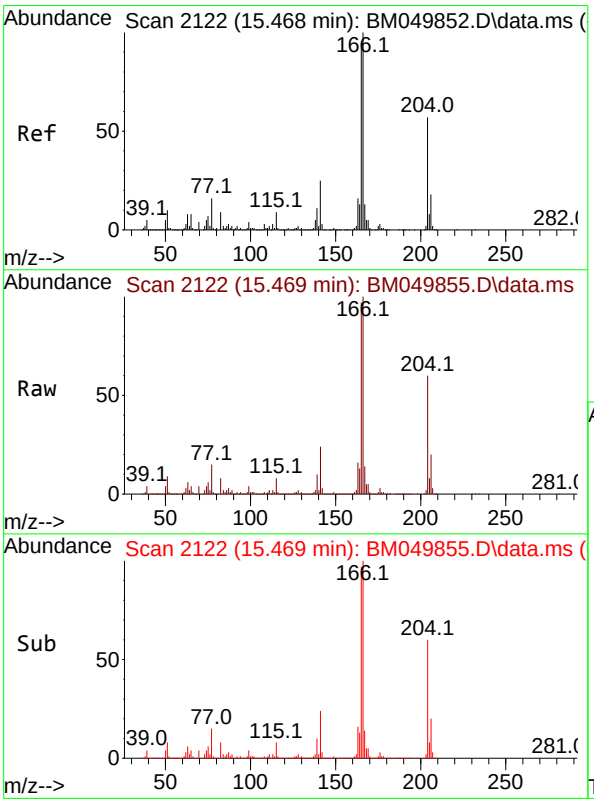
Ion	Ratio	Lower	Upper
165	100		
63	33.3	28.6	42.8
89	58.5	49.0	73.6
182	2.8	1.9	2.9



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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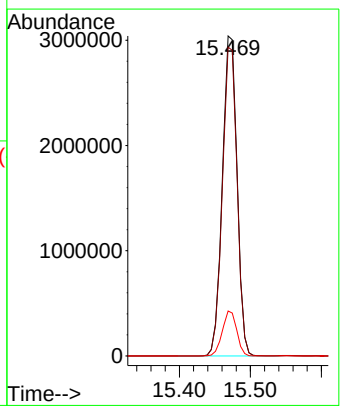
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

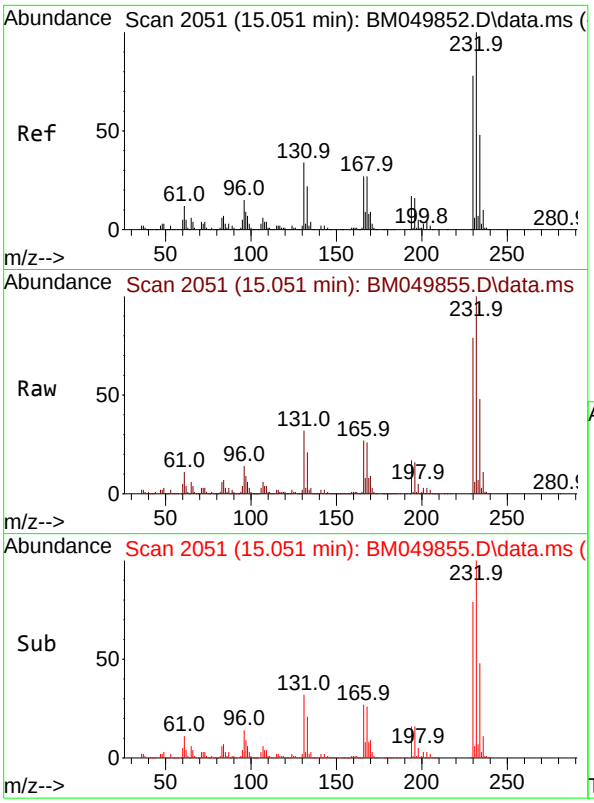


#58
Fluorene
Concen: 83.687 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:166 Resp: 4360823

Ion	Ratio	Lower	Upper
166	100		
165	96.5	76.3	114.5
167	14.0	10.7	16.1

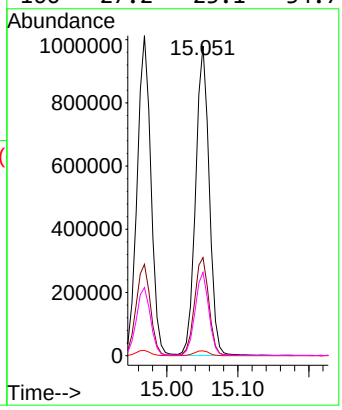




#59
2,3,4,6-Tetrachlorophenol
Concen: 85.213 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:232 Resp: 130882

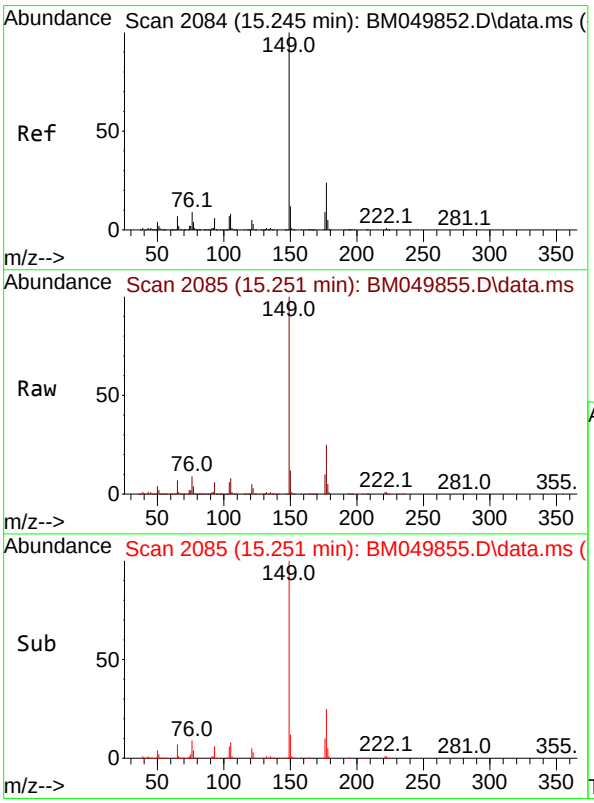
Ion	Ratio	Lower	Upper
232	100		
131	33.3	28.4	42.6
130	1.7	1.6	2.4
166	27.2	23.1	34.7



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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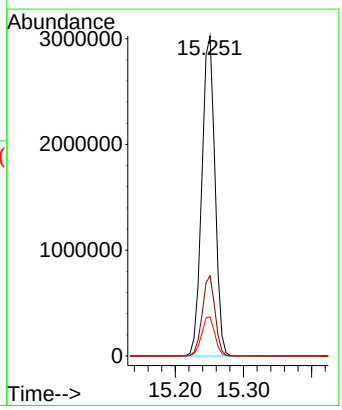
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

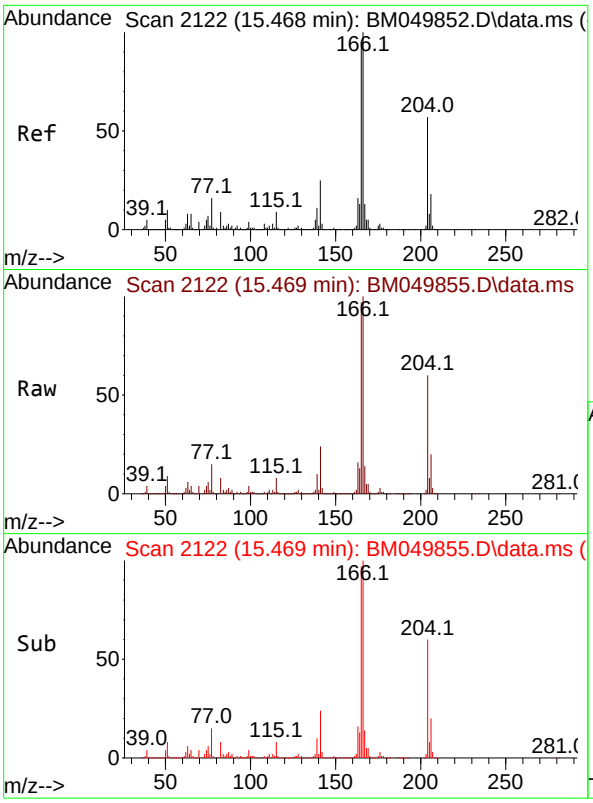


#60
Diethylphthalate
Concen: 82.577 ng
RT: 15.251 min Scan# 2085
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:149 Resp: 4046865

Ion	Ratio	Lower	Upper
149	100		
177	25.0	19.0	28.4
150	12.2	9.7	14.5





#61
4-Chlorophenyl-phenylether
Concen: 86.698 ng
RT: 15.469 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

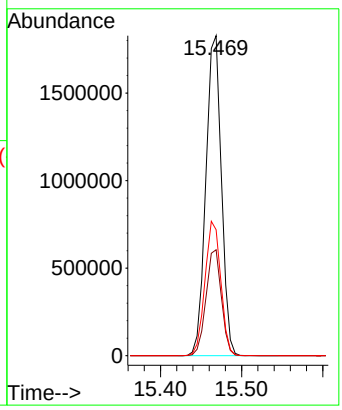
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

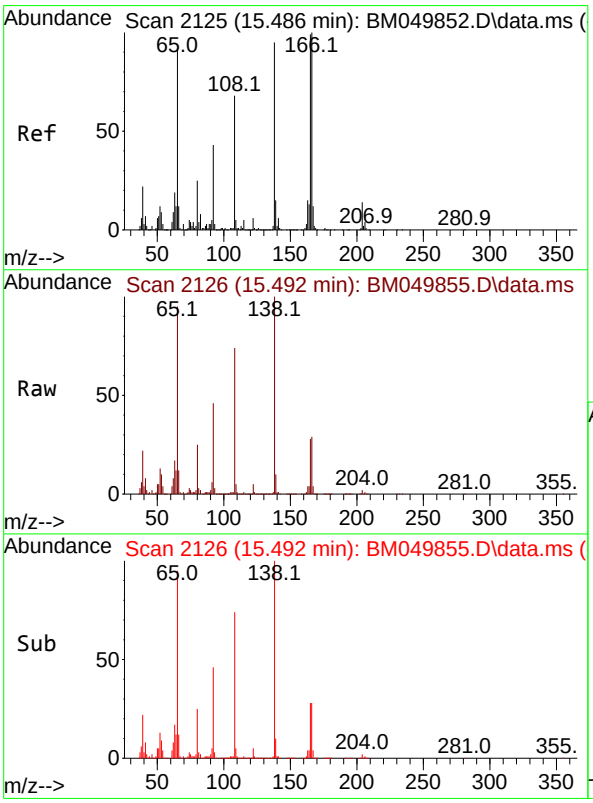
Tgt Ion:204 Resp: 242211

Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.2	39.2
141	39.3	35.0	52.6

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

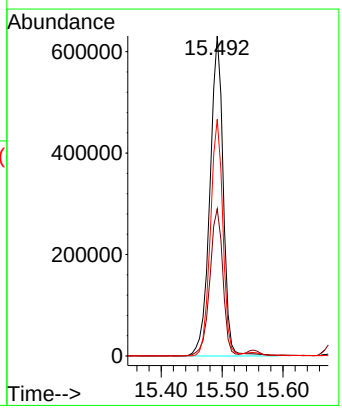


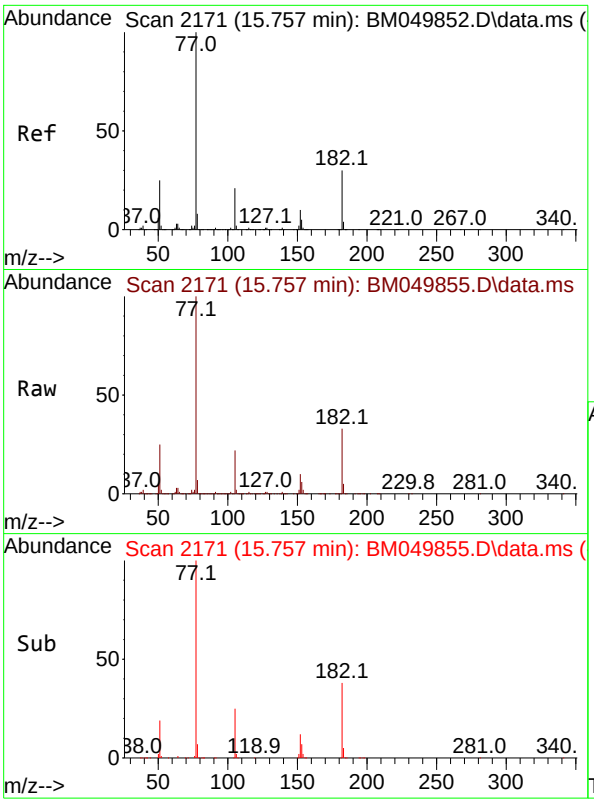


#62
4-Nitroaniline
Concen: 89.608 ng
RT: 15.492 min Scan# 2126
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:138 Resp: 958937

Ion	Ratio	Lower	Upper
138	100		
92	46.0	24.9	64.9
108	74.0	51.7	91.7

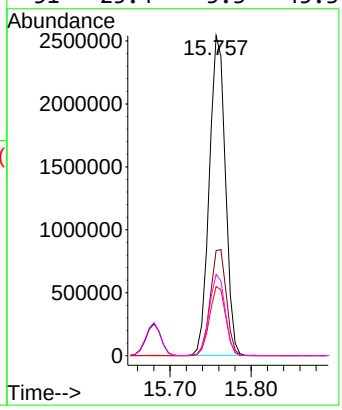




#63
Azobenzene
Concen: 82.888 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion: 77 Resp: 347780

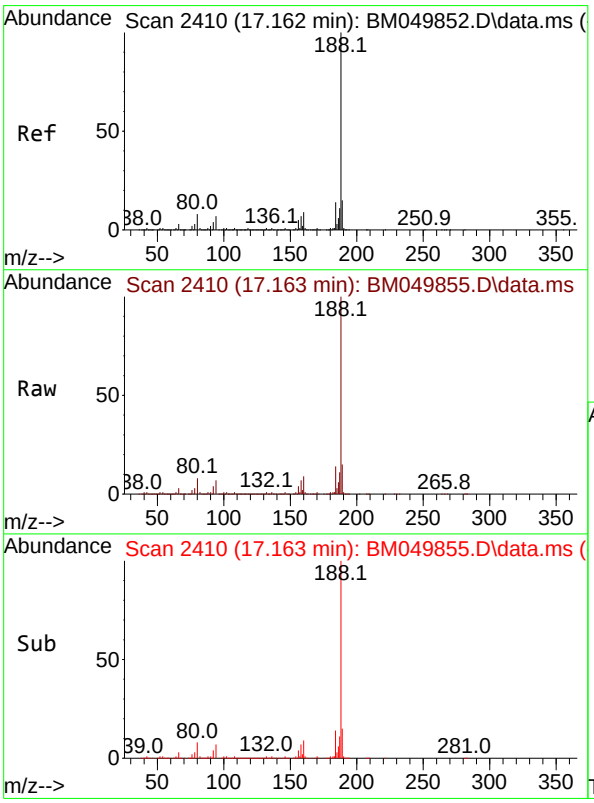
Ion	Ratio	Lower	Upper
77	100		
182	32.9	10.4	50.4
105	21.6	1.5	41.5
51	25.4	5.3	45.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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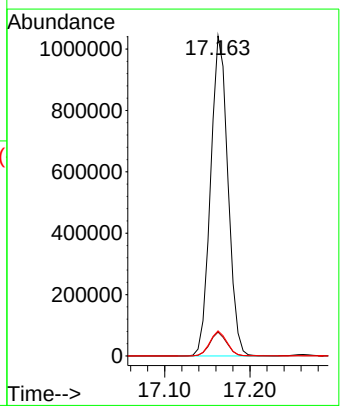
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

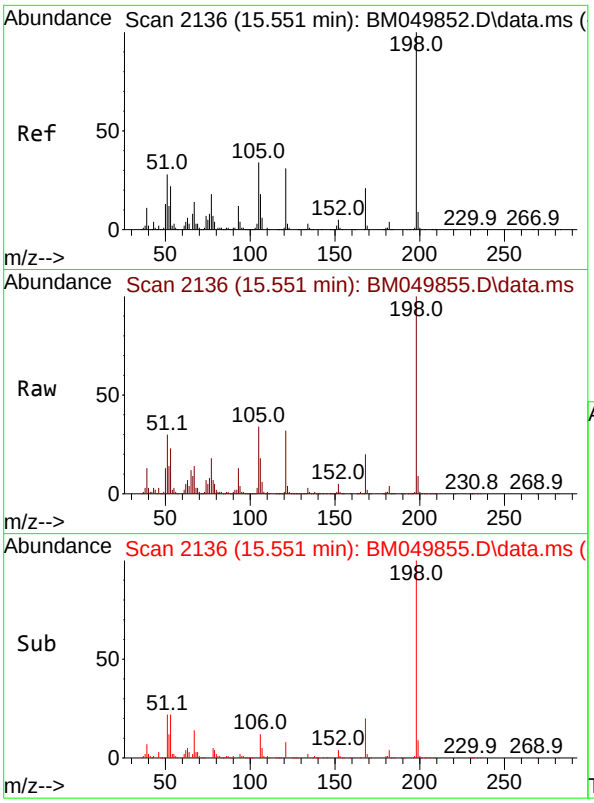


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:188 Resp: 1472595

Ion	Ratio	Lower	Upper
188	100		
94	7.5	5.8	8.6
80	7.8	6.4	9.6





#65
4,6-Dinitro-2-methylphenol
Concen: 88.841 ng
RT: 15.551 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

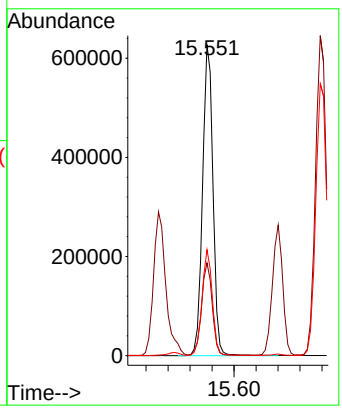
Tgt Ion:198 Resp: 82441

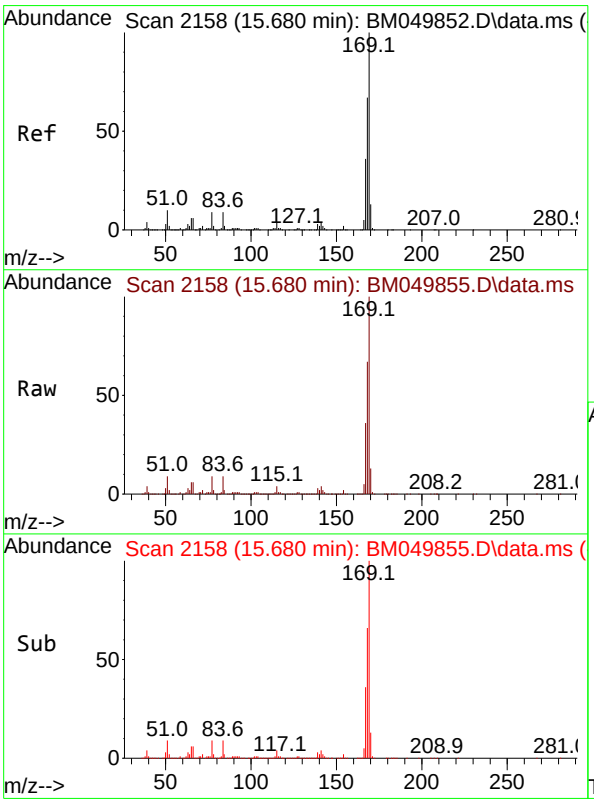
Ion	Ratio	Lower	Upper
198	100		
51	29.8	9.6	49.6
105	34.1	14.7	54.7

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

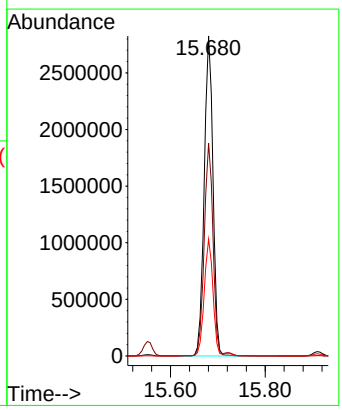


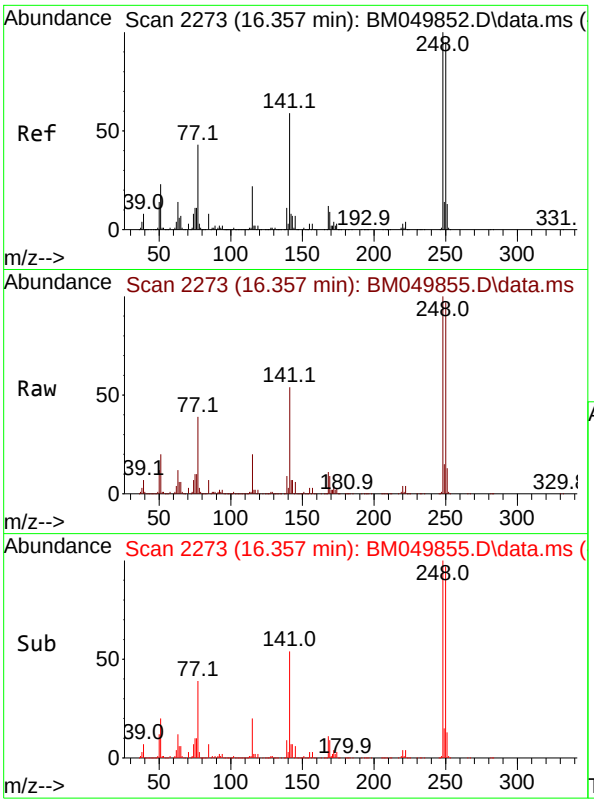


#66
n-Nitrosodiphenylamine
Concen: 82.034 ng
RT: 15.680 min Scan# 2158
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:169 Resp: 3615164

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.4	80.2
167	36.5	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 86.704 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

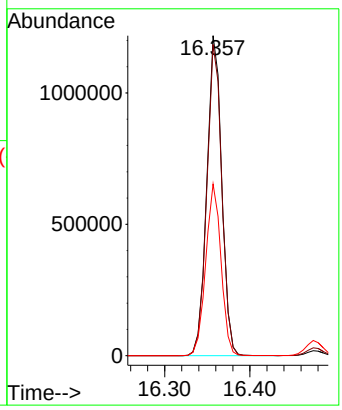
Tgt Ion:248 Resp: 148221

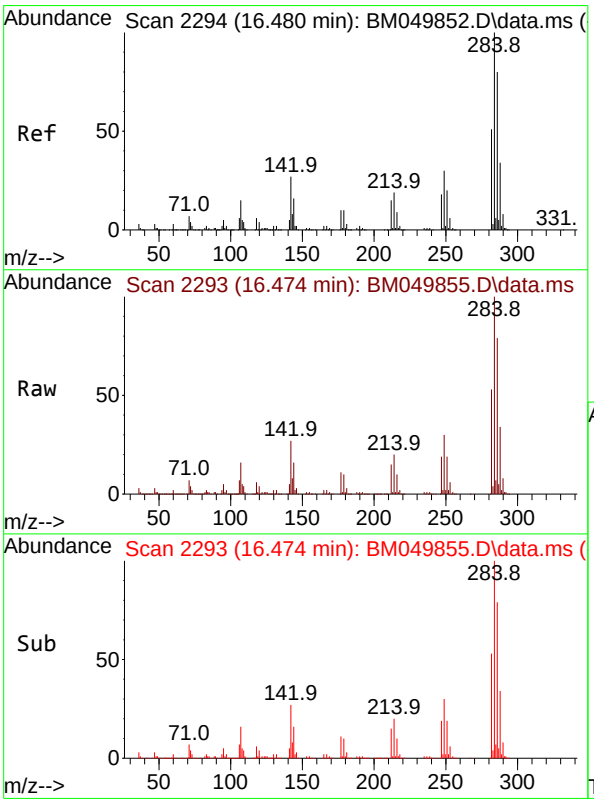
Ion	Ratio	Lower	Upper
248	100		
250	97.3	76.2	114.2
141	53.6	47.3	70.9

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

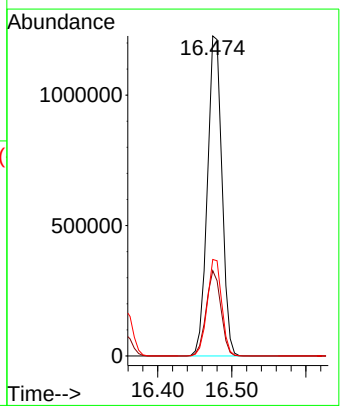


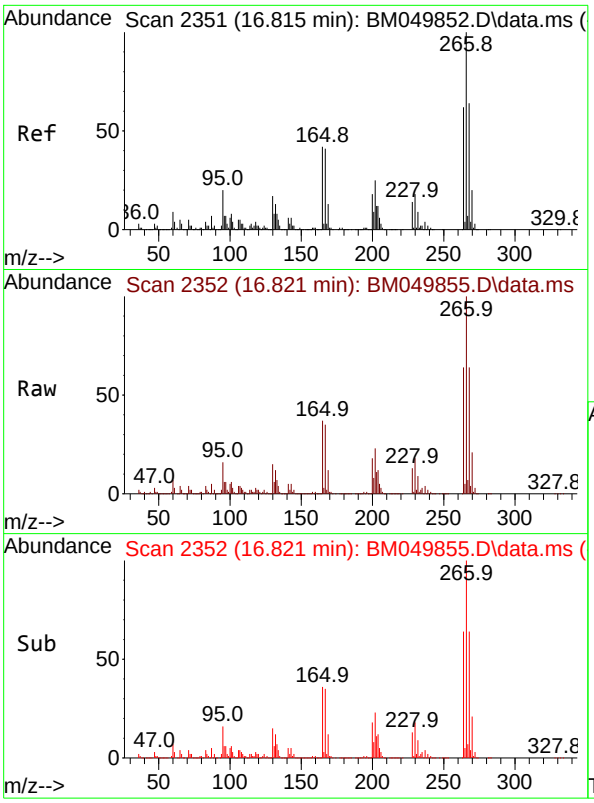


#68
Hexachlorobenzene
Concen: 85.201 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:284 Resp: 1670677

Ion	Ratio	Lower	Upper
284	100		
142	26.6	21.2	31.8
249	30.2	24.1	36.1

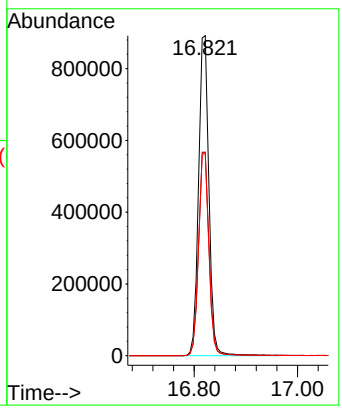




#70
Pentachlorophenol
Concen: 85.821 ng
RT: 16.821 min Scan# 2
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:266 Resp: 123892

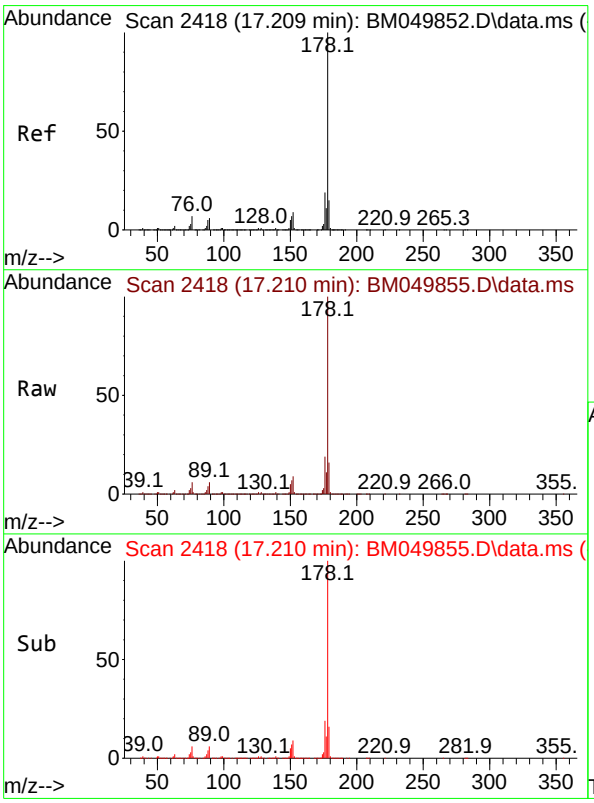
Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.4	77.2
264	63.6	49.8	74.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

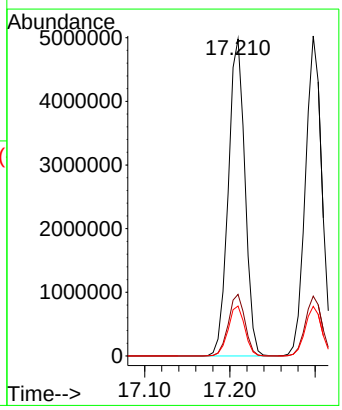
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

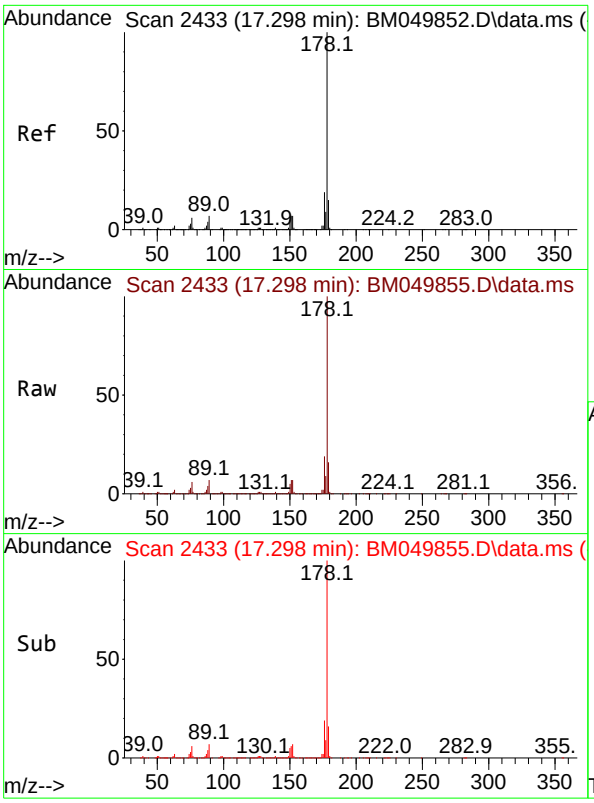


#71
Phenanthrene
Concen: 83.700 ng
RT: 17.210 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:178 Resp: 6757399

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.7	12.3	18.5

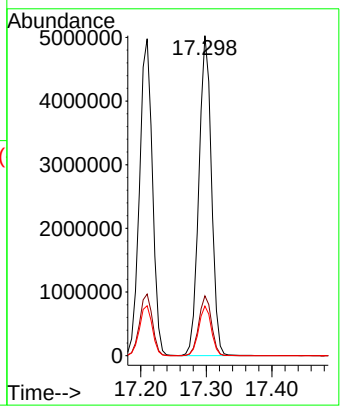




#72
Anthracene
Concen: 84.390 ng
RT: 17.298 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:178 Resp: 671418

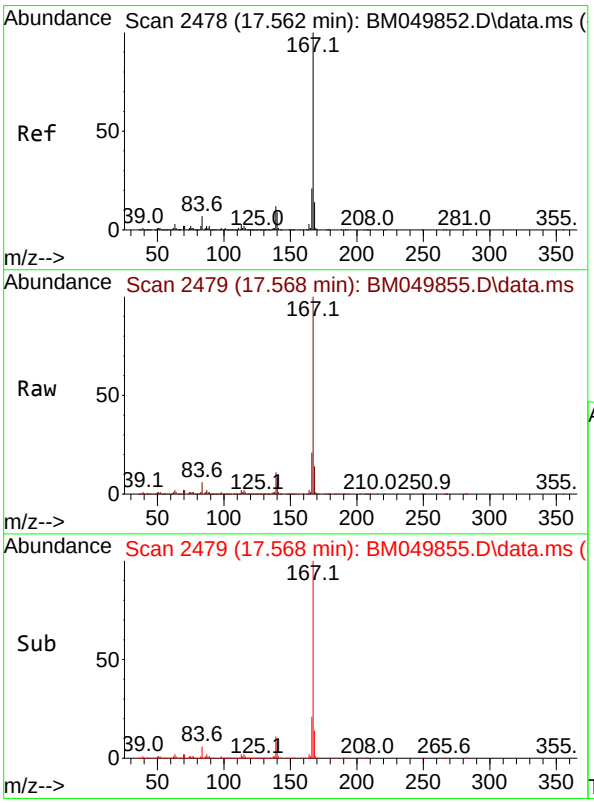
Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.5	12.4	18.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

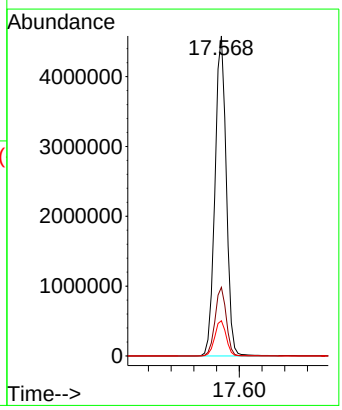
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

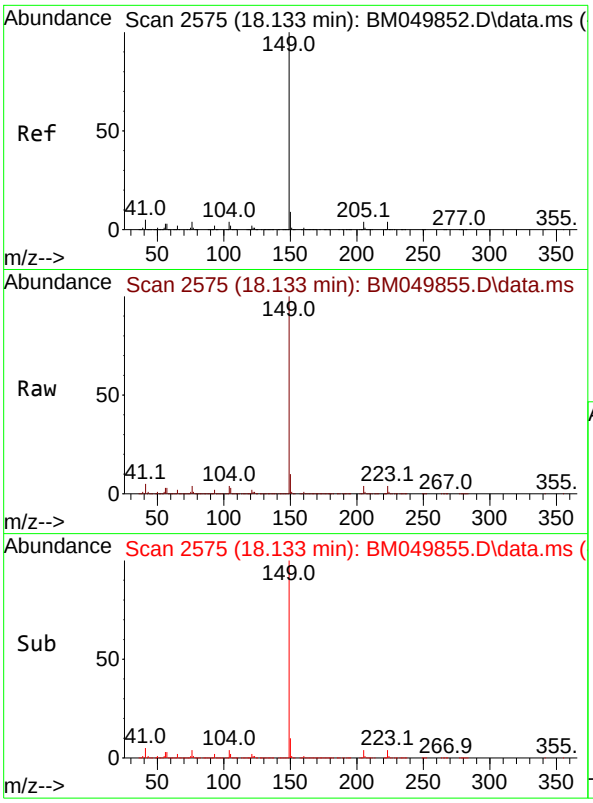


#73
Carbazole
Concen: 84.159 ng
RT: 17.568 min Scan# 2479
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:167 Resp: 6306654

Ion	Ratio	Lower	Upper
167	100		
166	21.5	16.9	25.3
139	11.0	9.3	13.9

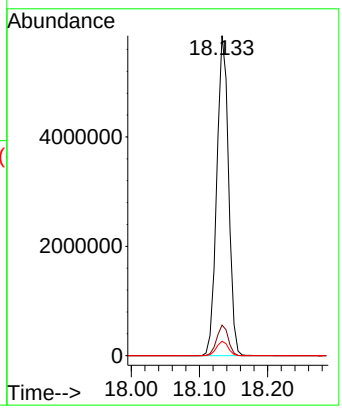




#74
Di-n-butylphthalate
Concen: 81.592 ng
RT: 18.133 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:149 Resp: 704243

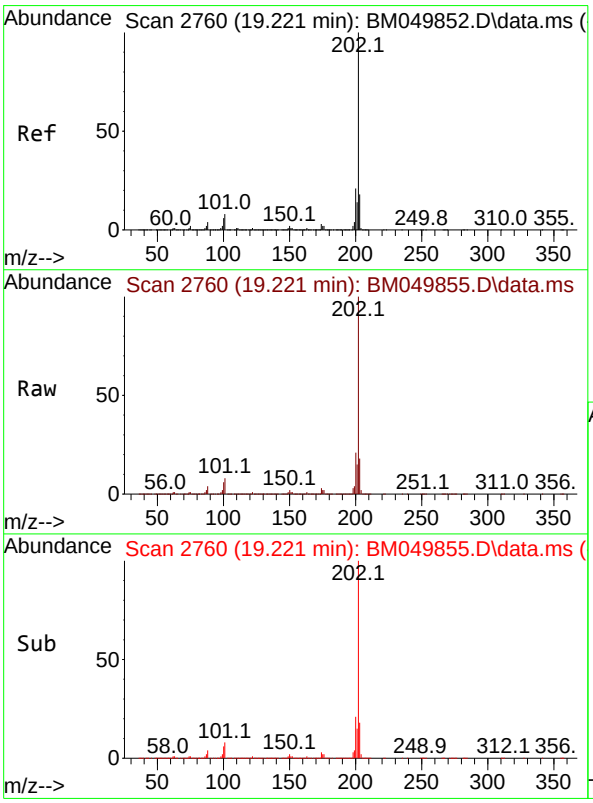
Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.5	11.3
104	4.5	3.5	5.3



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

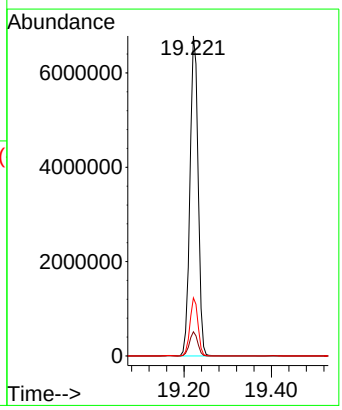
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

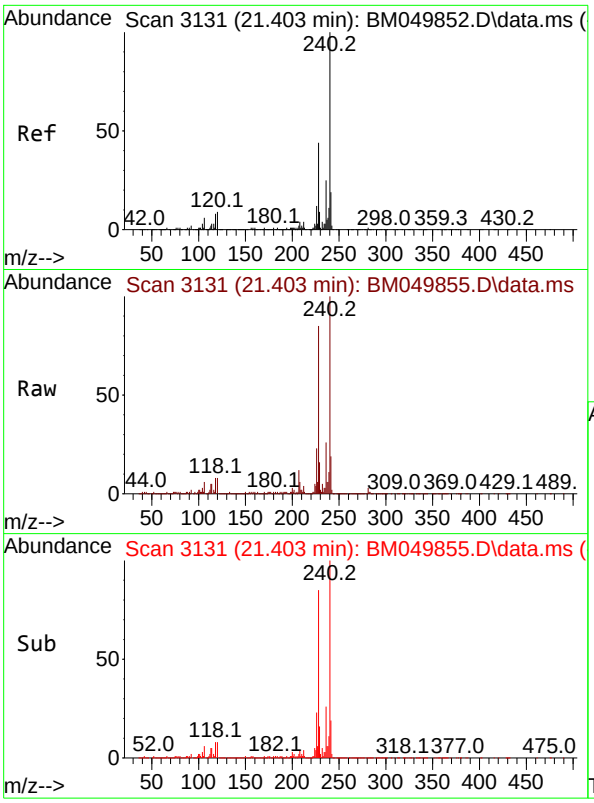


#75
Fluoranthene
Concen: 88.324 ng
RT: 19.221 min Scan# 2760
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:202 Resp: 8767531

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	28.4
203	18.1	0.0	37.8

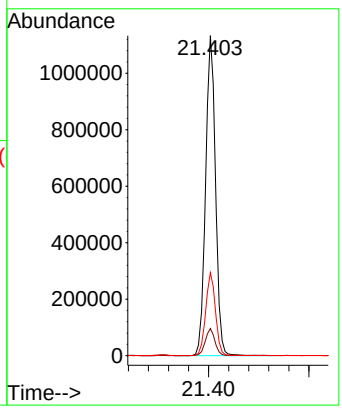




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:240 Resp: 155860

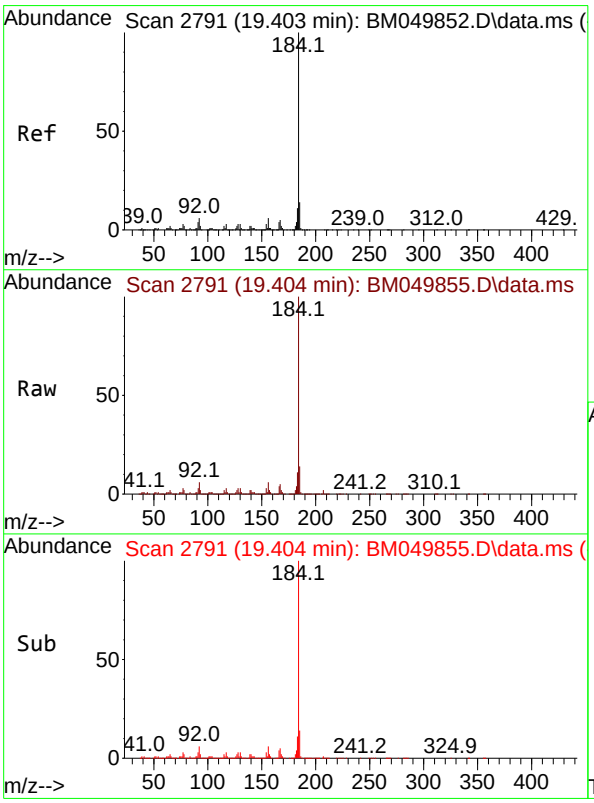
Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.9	10.3
236	26.0	20.4	30.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

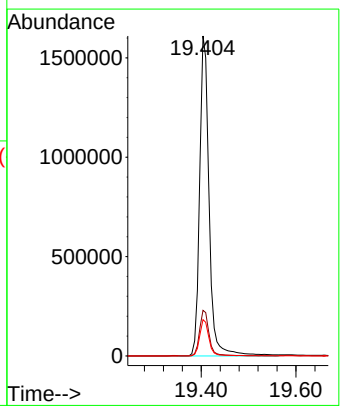
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

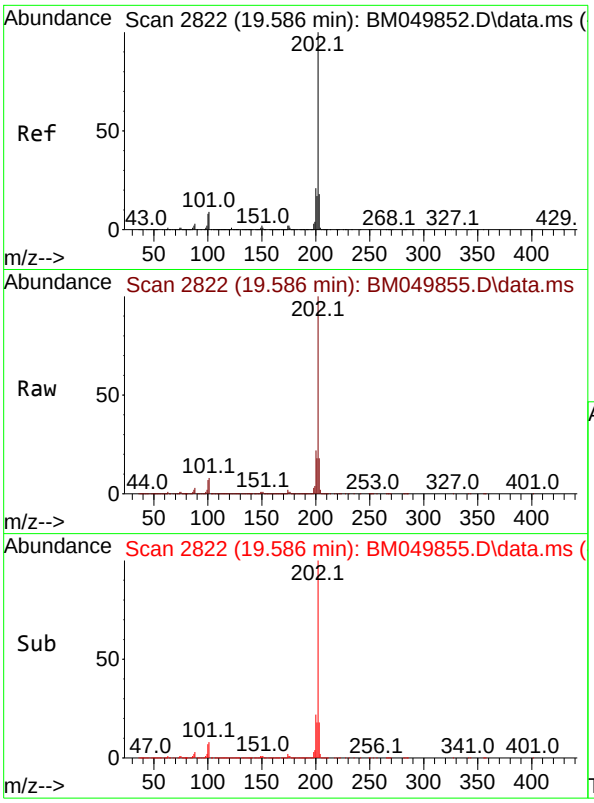


#77
Benzidine
Concen: 107.704 ng
RT: 19.404 min Scan# 2791
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:184 Resp: 2227000

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.2
183	11.4	8.8	13.2





#78
Pyrene
Concen: 83.755 ng
RT: 19.586 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

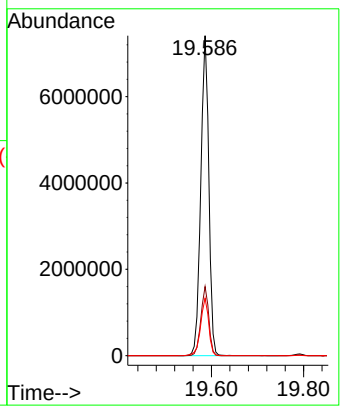
Tgt Ion:202 Resp: 899668

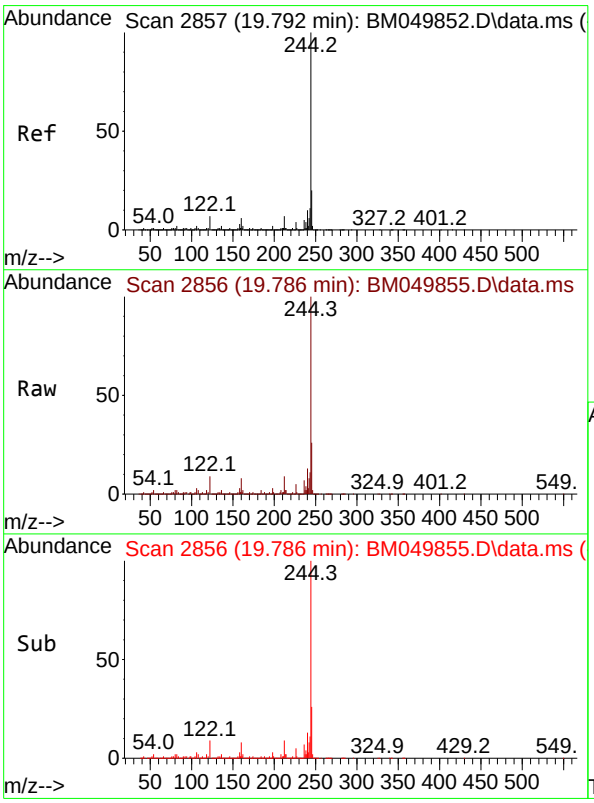
Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.5	24.7
203	18.0	14.0	21.0

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

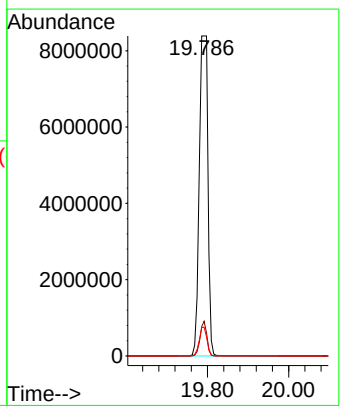


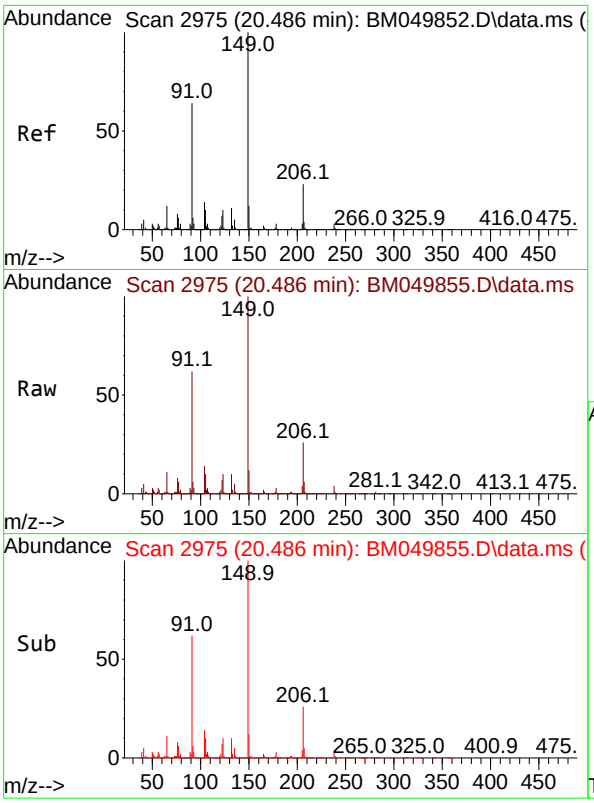


#79
Terphenyl-d14
Concen: 150.586 ng
RT: 19.786 min Scan# 2856
Delta R.T. -0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:244 Resp:12523857

Ion	Ratio	Lower	Upper
244	100		
212	9.2	5.5	8.3#
122	8.9	5.4	8.0#

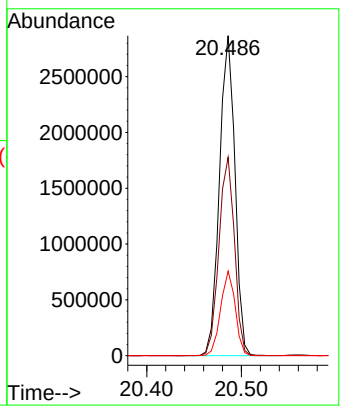




#80
Butylbenzylphthalate
Concen: 80.838 ng
RT: 20.486 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:149 Resp: 326279

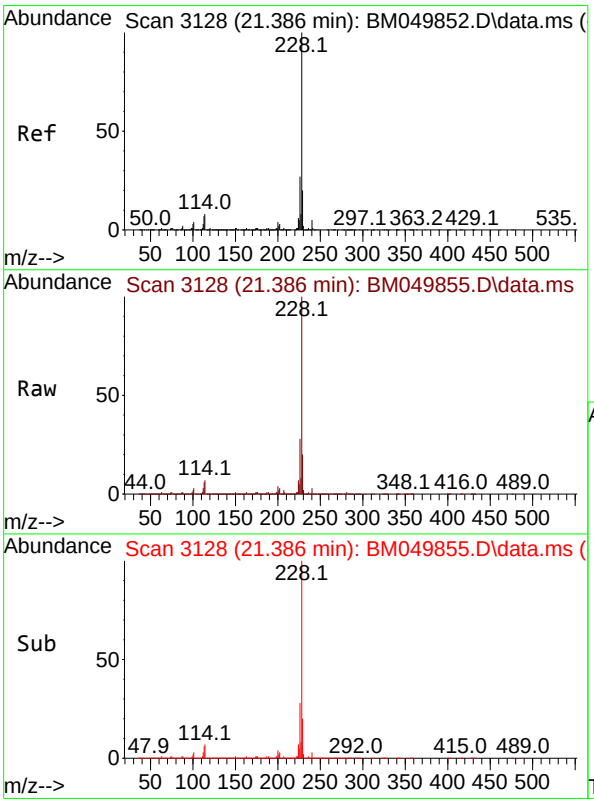
Ion	Ratio	Lower	Upper
149	100		
91	62.0	50.9	76.3
206	26.4	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

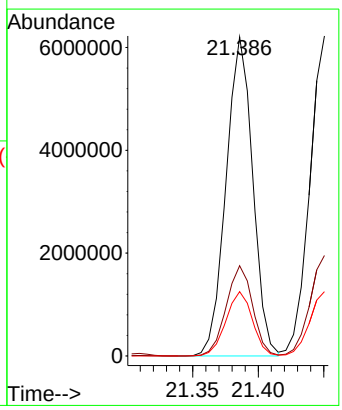
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

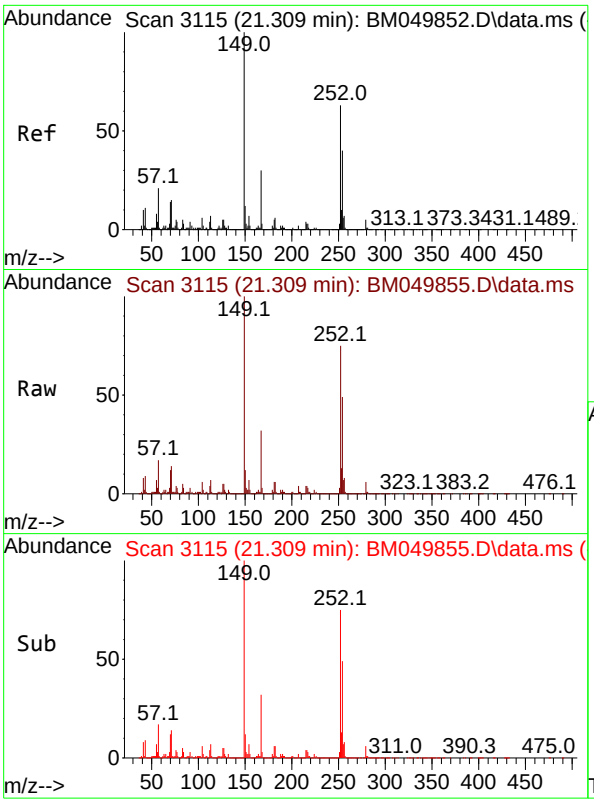


#81
Benzo(a)anthracene
Concen: 84.761 ng
RT: 21.386 min Scan# 3128
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:228 Resp: 8779936

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.8	32.8
229	20.2	15.8	23.8





#82
3,3'-Dichlorobenzidine
Concen: 90.091 ng
RT: 21.309 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

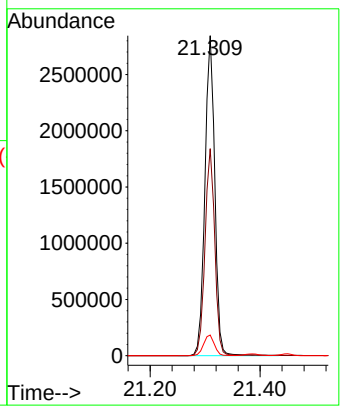
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

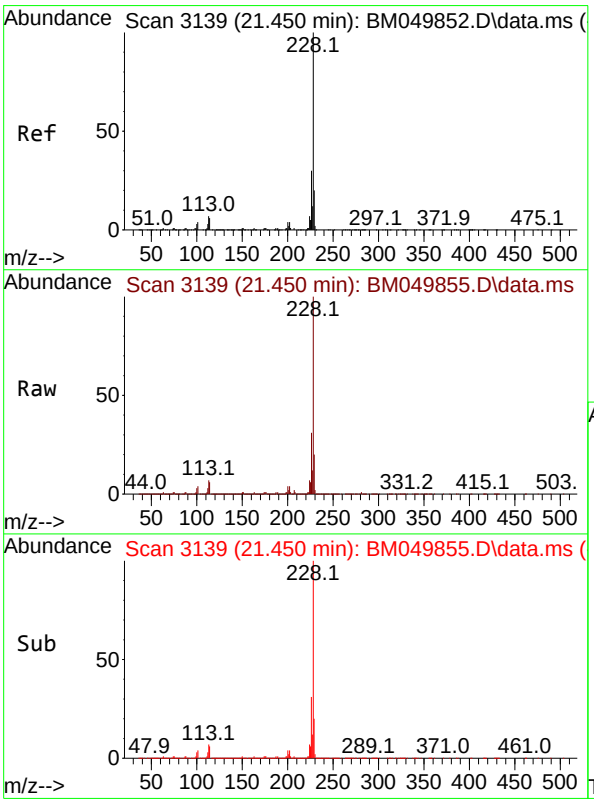
Tgt Ion:252 Resp: 352413

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.5	77.3
126	6.4	6.3	9.5

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

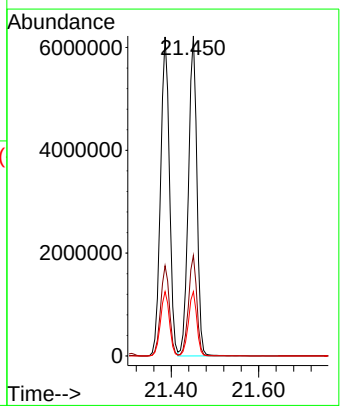


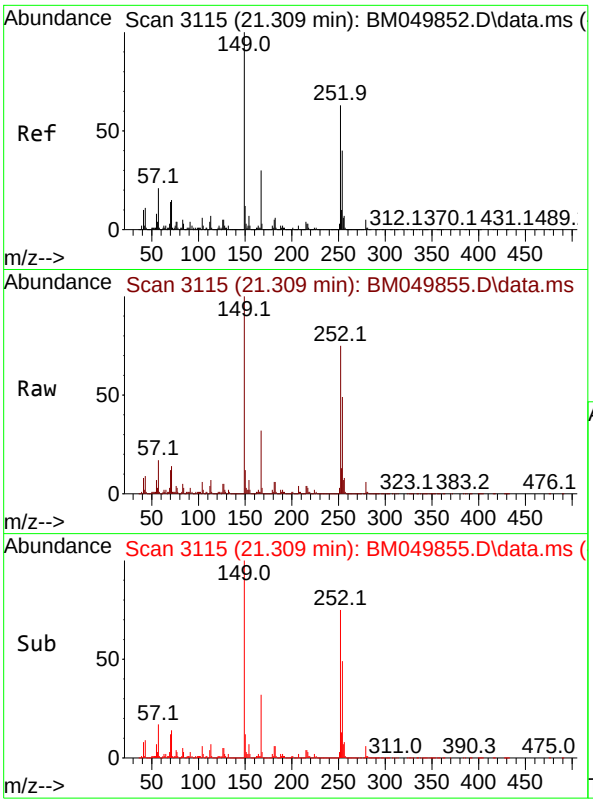


#83
Chrysene
Concen: 85.181 ng
RT: 21.450 min Scan# 3139
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:228 Resp: 8388518

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.1	36.1
229	20.1	15.8	23.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 78.171 ng
RT: 21.309 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

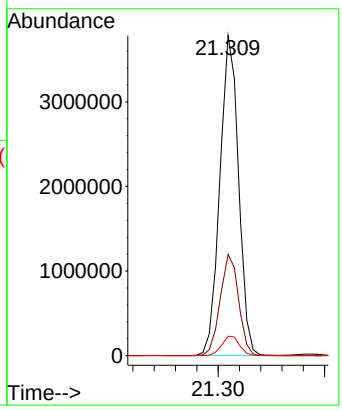
Instrument :
BNA_M
ClientSampleId :
SSTDICC080

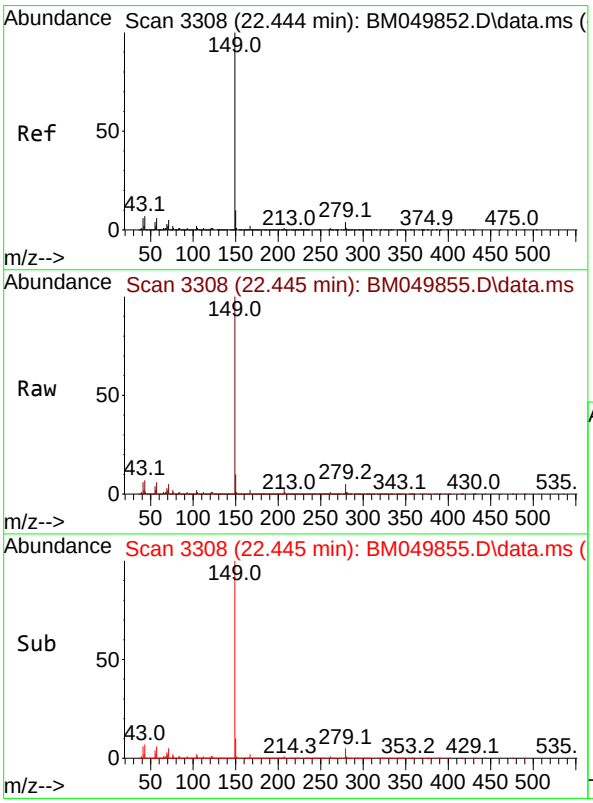
Tgt Ion:149 Resp: 459693

Ion	Ratio	Lower	Upper
149	100		
167	31.7	23.8	35.6
279	6.1	3.8	5.8

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

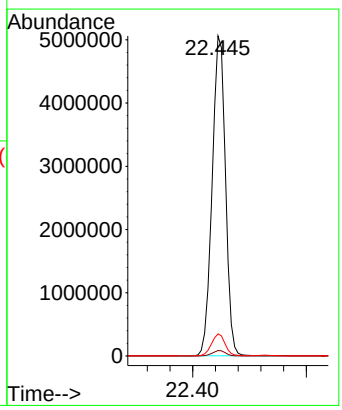


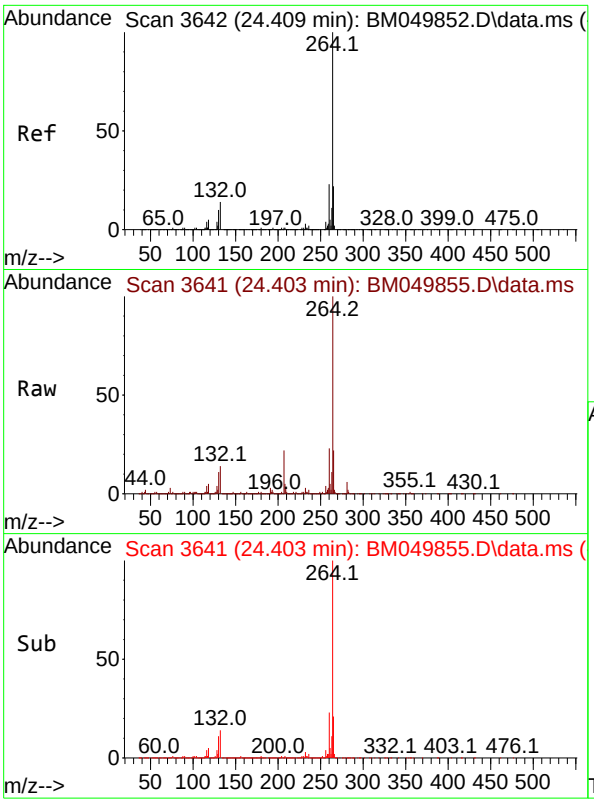


#85
Di-n-octyl phthalate
Concen: 79.753 ng
RT: 22.445 min Scan# 3308
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:149 Resp: 8204703

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	6.9	5.8	8.6

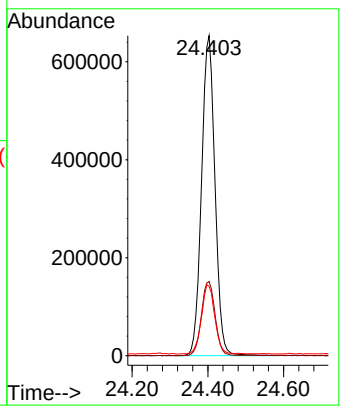




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.403 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:264 Resp: 159921

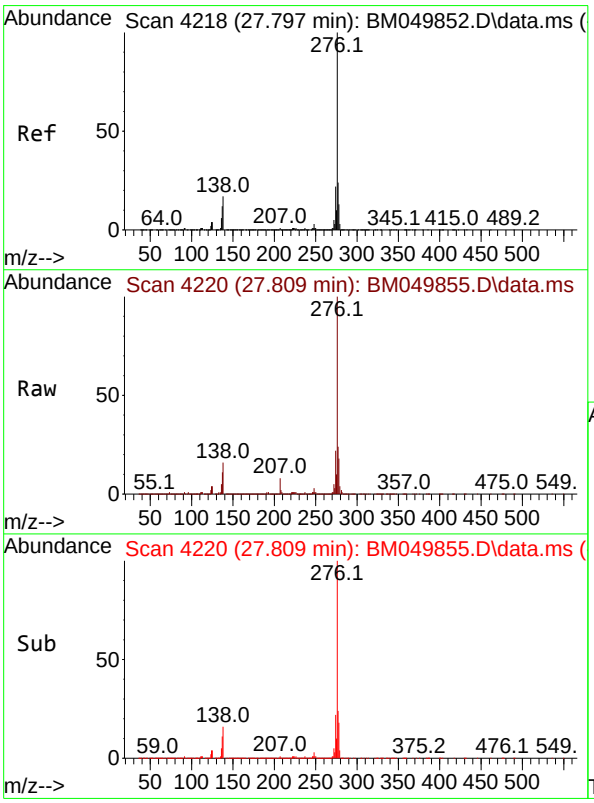
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.7	17.8	26.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

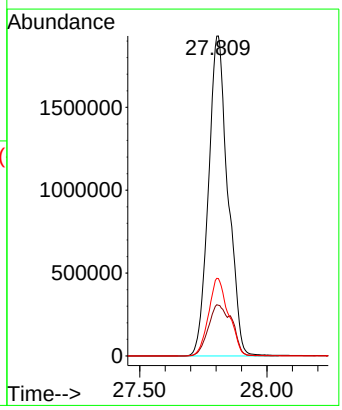
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

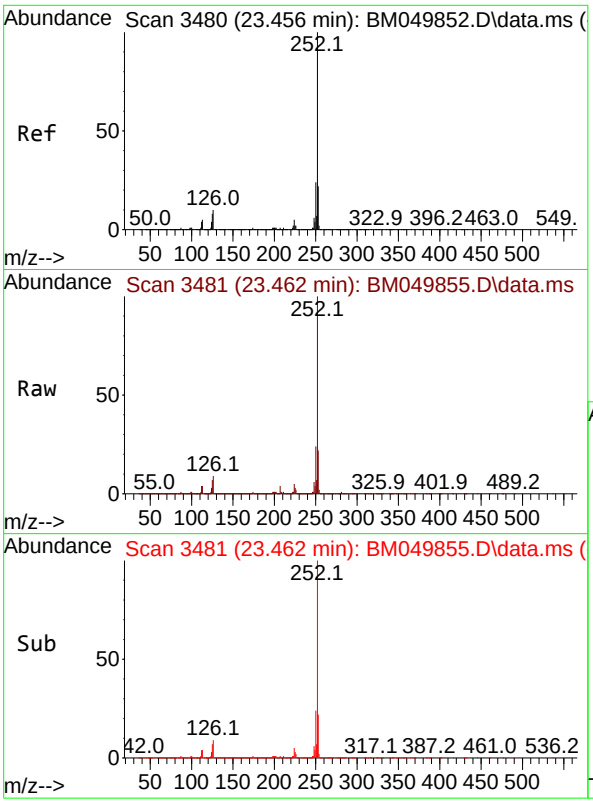


#87
Indeno(1,2,3-cd)pyrene
Concen: 86.167 ng
RT: 27.809 min Scan# 4220
Delta R.T. 0.012 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:276 Resp:10271777

Ion	Ratio	Lower	Upper
276	100		
138	19.5	16.8	25.2
277	25.1	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 88.935 ng
RT: 23.462 min Scan# 34
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

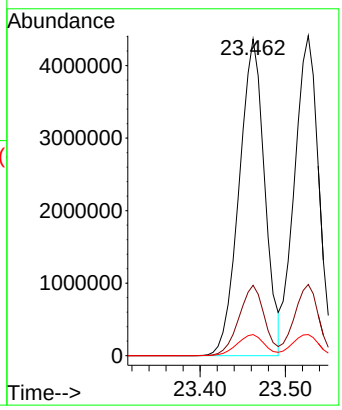
Tgt Ion:252 Resp: 908349

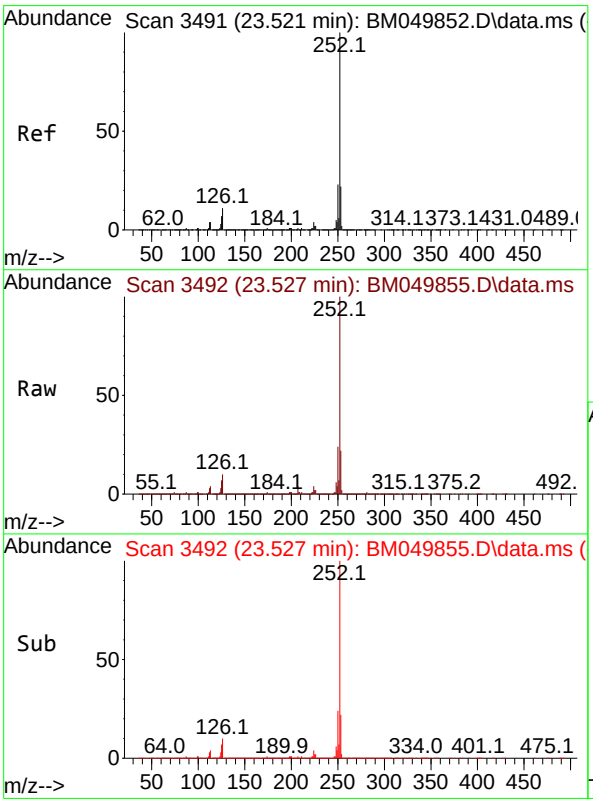
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	6.7	6.2	9.4

Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

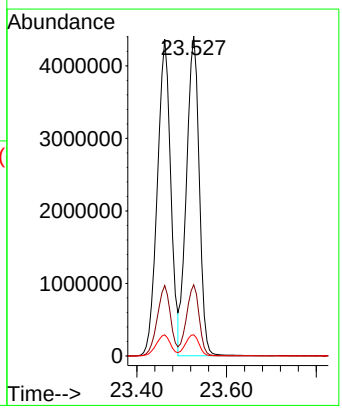


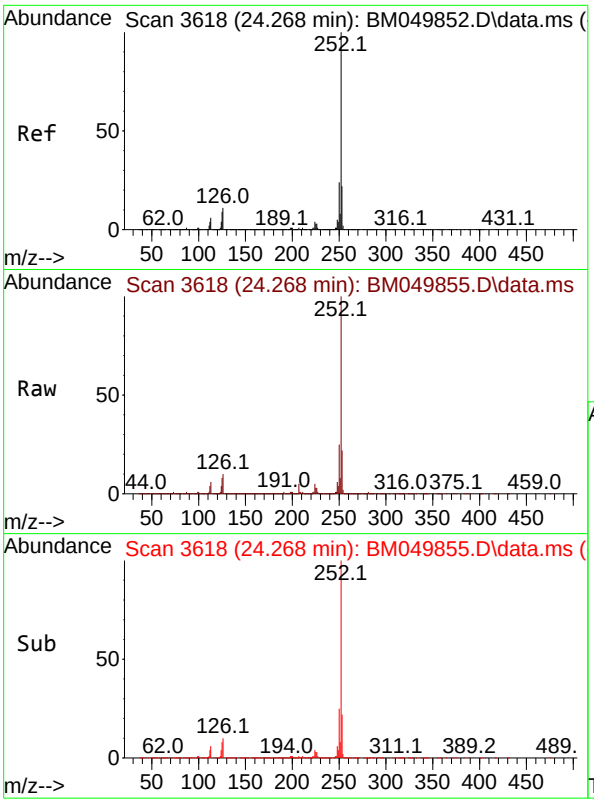


#89
Benzo(k)fluoranthene
Concen: 88.000 ng
RT: 23.527 min Scan# 3492
Delta R.T. 0.006 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:252 Resp: 8710029

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	6.6	5.8	8.8

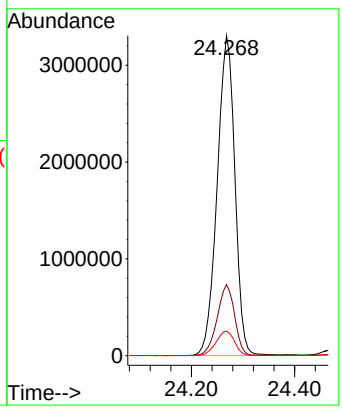




#90
Benzo(a)pyrene
Concen: 87.693 ng
RT: 24.268 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:252 Resp: 787045

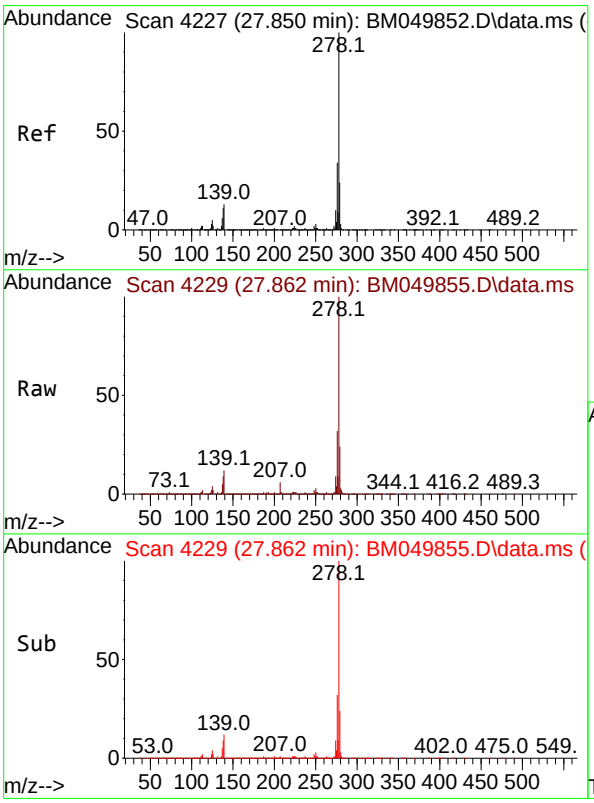
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	7.6	7.0	10.4



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

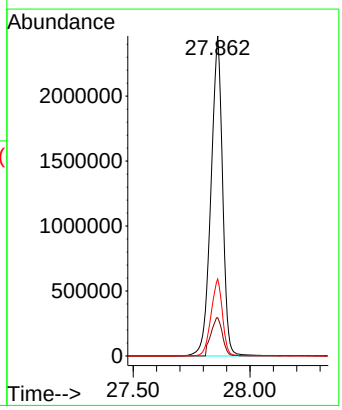
Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

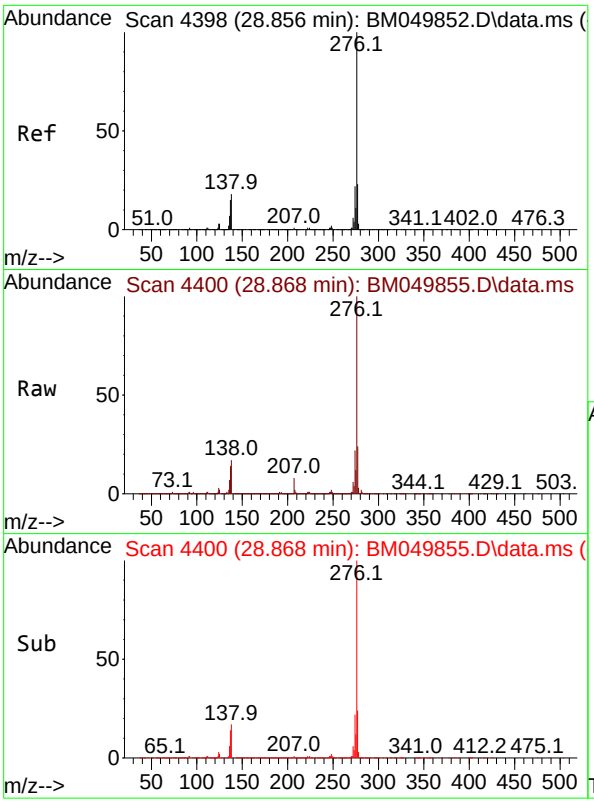


#91
Dibenzo(a,h)anthracene
Concen: 86.721 ng
RT: 27.862 min Scan# 4229
Delta R.T. 0.012 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:278 Resp: 8515147

Ion	Ratio	Lower	Upper
278	100		
139	11.9	10.6	15.8
279	24.1	19.1	28.7

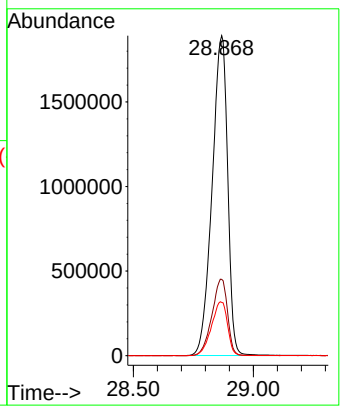




#92
Benzo(g,h,i)perylene
Concen: 84.674 ng
RT: 28.868 min Scan# 4
Delta R.T. 0.012 min
Lab File: BM049855.D
Acq: 08 Apr 2025 20:07

Tgt Ion:276 Resp: 849595

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	16.6	14.6	21.8



Instrument :
BNA_M
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/09/2025
Supervised By :Jagrut Upadhyay 04/09/2025

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.781	152	315403	20.000	ng	0.00
21) Naphthalene-d8	10.575	136	1065845	20.000	ng	0.00
39) Acenaphthene-d10	14.421	164	683720	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1374499	20.000	ng	0.00
76) Chrysene-d12	21.403	240	1374864	20.000	ng	0.00
86) Perylene-d12	24.397	264	1454417	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	1477323	79.537	ng	0.00
7) Phenol-d6	6.951	99	1843667	79.779	ng	0.00
23) Nitrobenzene-d5	8.934	82	1580621	82.580	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	830905	83.550	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4148227	82.271	ng	0.00
79) Terphenyl-d14	19.792	244	6672291	90.949	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.263	88	298756	39.056	ng	100
3) Pyridine	3.663	79	788453	39.231	ng	97
4) n-Nitrosodimethylamine	3.569	42	302128	39.502	ng	100
6) Aniline	7.104	93	824180	41.621	ng	99
8) 2-Chlorophenol	7.345	128	758833	39.865	ng	99
9) Benzaldehyde	6.916	77	479003	40.391	ng	97
10) Phenol	6.975	94	895478	39.708	ng	99
11) bis(2-Chloroethyl)ether	7.198	93	705217	39.877	ng	98
12) 1,3-Dichlorobenzene	7.669	146	897350	39.874	ng	98
13) 1,4-Dichlorobenzene	7.810	146	898553	39.681	ng	98
14) 1,2-Dichlorobenzene	8.128	146	855104	40.092	ng	99
15) Benzyl Alcohol	8.016	79	585871	40.260	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.304	45	787669	39.960	ng	99
17) 2-Methylphenol	8.222	107	557174	40.092	ng	99
18) Hexachloroethane	8.857	117	312580	39.677	ng	98
19) n-Nitroso-di-n-propyla...	8.586	70	525287	41.040	ng	99
20) 3+4-Methylphenols	8.551	107	760368	40.132	ng	98
22) Acetophenone	8.598	105	1065111	41.119	ng	99
24) Nitrobenzene	8.975	77	750719	40.732	ng	99
25) Isophorone	9.504	82	1319919	41.165	ng	99
26) 2-Nitrophenol	9.686	139	405206	41.481	ng	98
27) 2,4-Dimethylphenol	9.751	122	454139	41.022	ng	100
28) bis(2-Chloroethoxy)met...	9.986	93	877287	40.868	ng	99
29) 2,4-Dichlorophenol	10.222	162	759071	41.249	ng	99
30) 1,2,4-Trichlorobenzene	10.439	180	860242	40.409	ng	99
31) Naphthalene	10.622	128	2222571	40.582	ng	99
32) Benzoic acid	9.886	122	548954	41.427	ng	97
33) 4-Chloroaniline	10.728	127	815667	42.177	ng	98
34) Hexachlorobutadiene	10.916	225	535791	40.688	ng	98
35) Caprolactam	11.510	113	219136	41.519	ng	96
36) 4-Chloro-3-methylphenol	11.863	107	670620	41.604	ng	99
37) 2-Methylnaphthalene	12.239	142	1589046	41.181	ng	99
38) 1-Methylnaphthalene	12.457	142	1536235	40.865	ng	100
40) 1,2,4,5-Tetrachloroben...	12.610	216	974104	40.724	ng	99
41) Hexachlorocyclopentadiene	12.592	237	348434	41.571	ng	100
43) 2,4,6-Trichlorophenol	12.851	196	629554	41.361	ng	97

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	684953	41.410	ng	99
46) 1,1'-Biphenyl	13.251	154	2088758	41.097	ng	100
47) 2-Chloronaphthalene	13.292	162	1626662	40.719	ng	98
48) 2-Nitroaniline	13.492	65	386594	41.831	ng	96
49) Acenaphthylene	14.139	152	2404483	41.321	ng	100
50) Dimethylphthalate	13.880	163	2006252	41.593	ng	99
51) 2,6-Dinitrotoluene	13.992	165	430765	42.625	ng	99
52) Acenaphthene	14.486	154	1537342	41.534	ng	99
53) 3-Nitroaniline	14.321	138	430166	44.041	ng	96
54) 2,4-Dinitrophenol	14.527	184	261179	39.689	ng	97
55) Dibenzofuran	14.821	168	2572884	41.581	ng	99
56) 4-Nitrophenol	14.639	139	380237	43.685	ng	97
57) 2,4-Dinitrotoluene	14.780	165	588187	43.627	ng	99
58) Fluorene	15.468	166	2052408	41.729	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.051	232	604398	41.690	ng	99
60) Diethylphthalate	15.245	149	1935360	41.839	ng	100
61) 4-Chlorophenyl-phenyle...	15.463	204	1107114	41.984	ng	99
62) 4-Nitroaniline	15.486	138	445025	44.058	ng	99
63) Azobenzene	15.757	77	1658136	41.869	ng	99
65) 4,6-Dinitro-2-methylph...	15.545	198	355438	41.037	ng	97
66) n-Nitrosodiphenylamine	15.674	169	1689818	41.081	ng	99
67) 4-Bromophenyl-phenylether	16.357	248	654585	41.024	ng	98
68) Hexachlorobenzene	16.474	284	746406	40.782	ng	98
69) Atrazine	16.627	200	351283	32.937	ng	100
70) Pentachlorophenol	16.815	266	547416	40.626	ng	99
71) Phenanthrene	17.204	178	3110670	41.280	ng	100
72) Anthracene	17.298	178	3081134	41.490	ng	100
73) Carbazole	17.562	167	2897408	41.424	ng	100
74) Di-n-butylphthalate	18.133	149	3282090	40.739	ng	100
75) Fluoranthene	19.221	202	3829085	41.327	ng	99
77) Benzidine	19.403	184	690660	37.866	ng	99
78) Pyrene	19.586	202	3930574	41.482	ng	100
80) Butylbenzylphthalate	20.486	149	1452887	40.807	ng	97
81) Benzo(a)anthracene	21.386	228	3774940	41.314	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	1404639	40.707	ng	99
83) Chrysene	21.444	228	3564842	41.037	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	2130265	41.067	ng	99
85) Di-n-octyl phthalate	22.444	149	3614929	39.835	ng	100
87) Indeno(1,2,3-cd)pyrene	27.785	276	4377775	40.380	ng	100
88) Benzo(b)fluoranthene	23.456	252	3807278	40.988	ng	100
89) Benzo(k)fluoranthene	23.515	252	3640395	40.442	ng	99
90) Benzo(a)pyrene	24.262	252	3296735	40.389	ng	98
91) Dibenzo(a,h)anthracene	27.844	278	3588859	40.189	ng	100
92) Benzo(g,h,i)perylene	28.844	276	3657794	40.085	ng	100

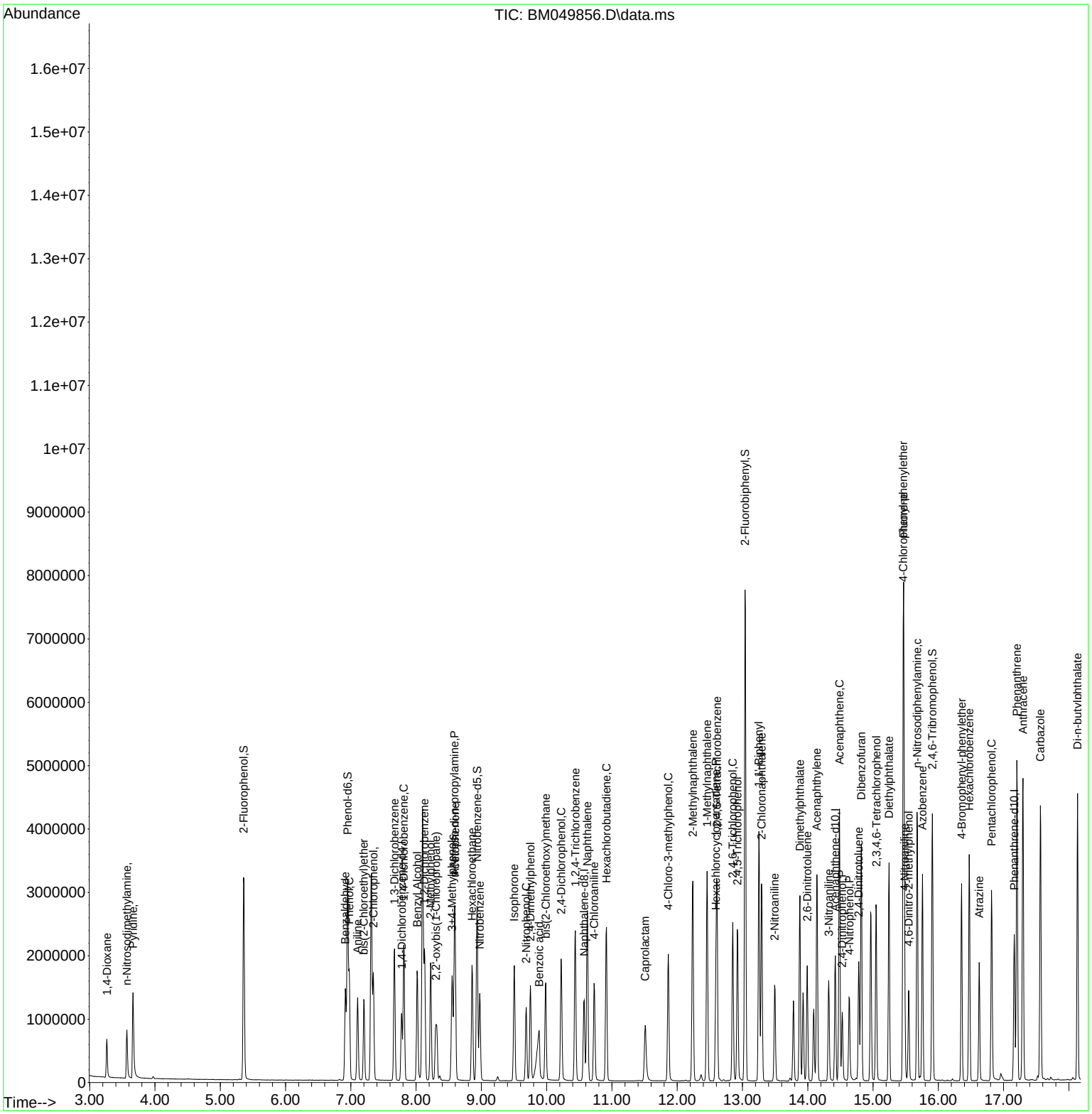
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

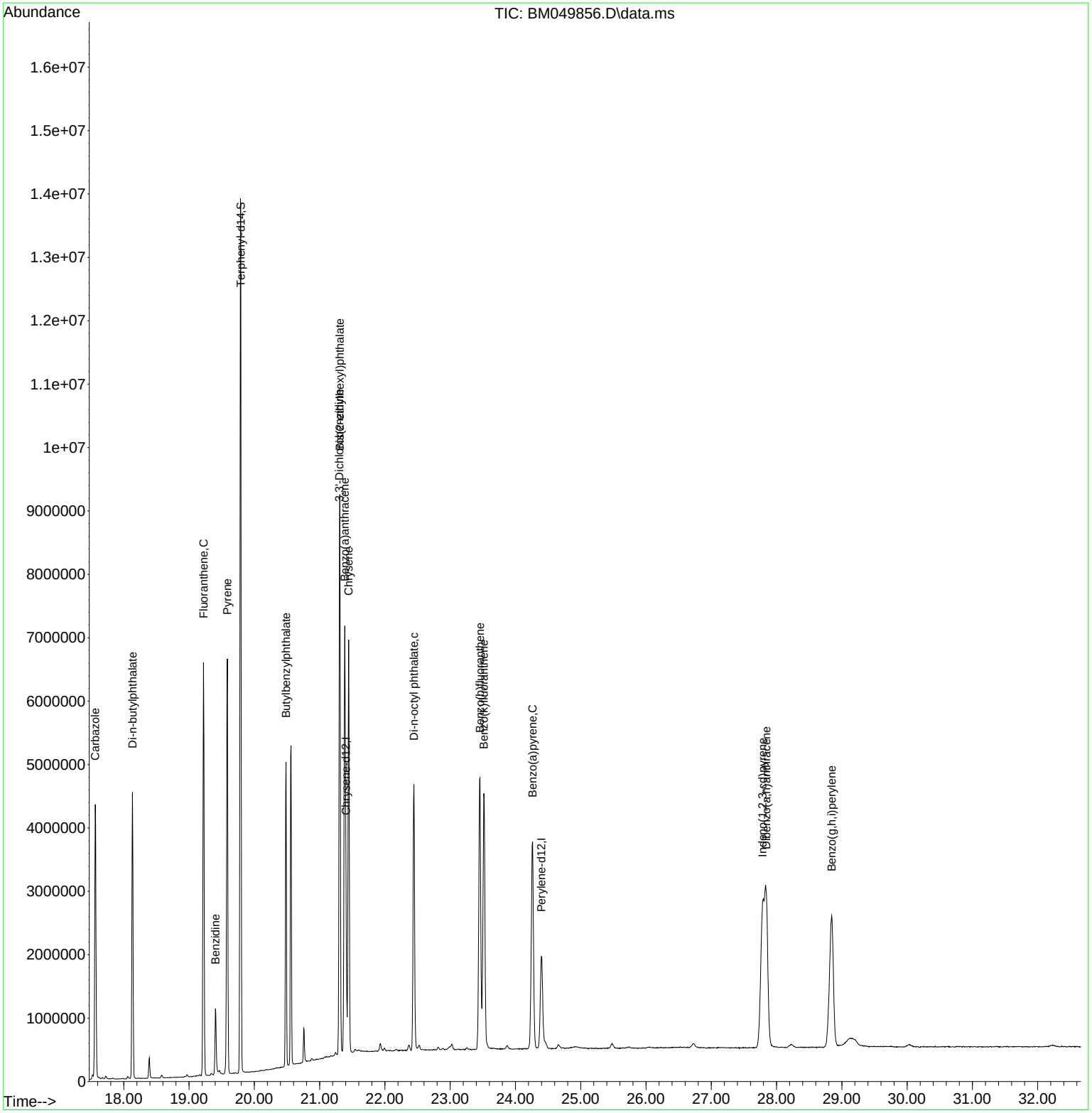


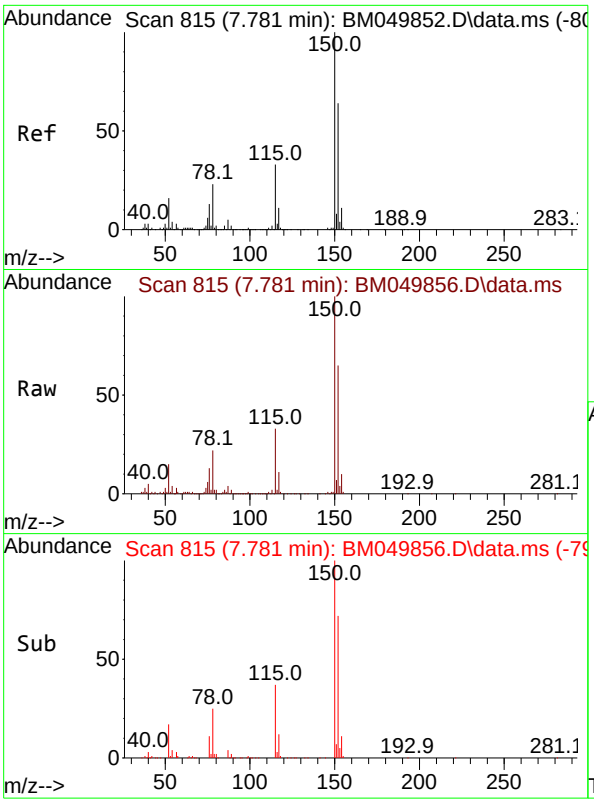
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



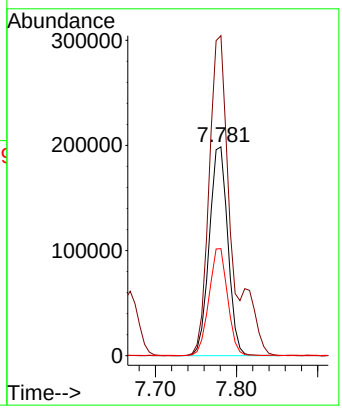


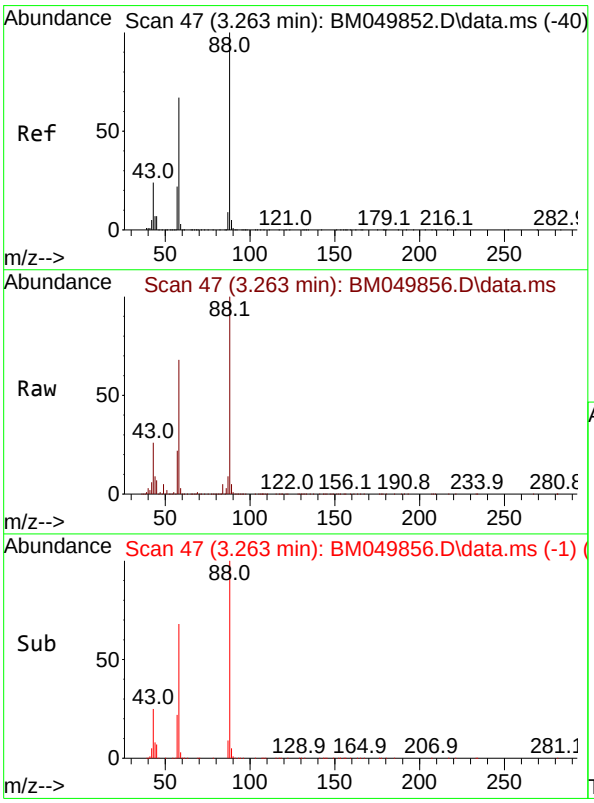
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:152 Resp: 315403

Ion	Ratio	Lower	Upper
152	100		
150	153.3	124.3	186.5
115	51.3	41.1	61.7

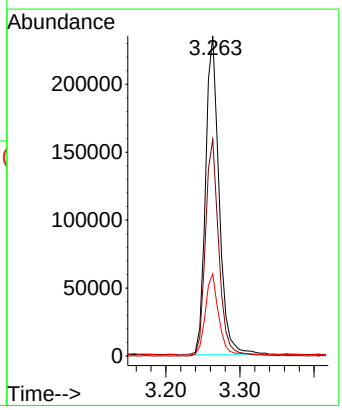


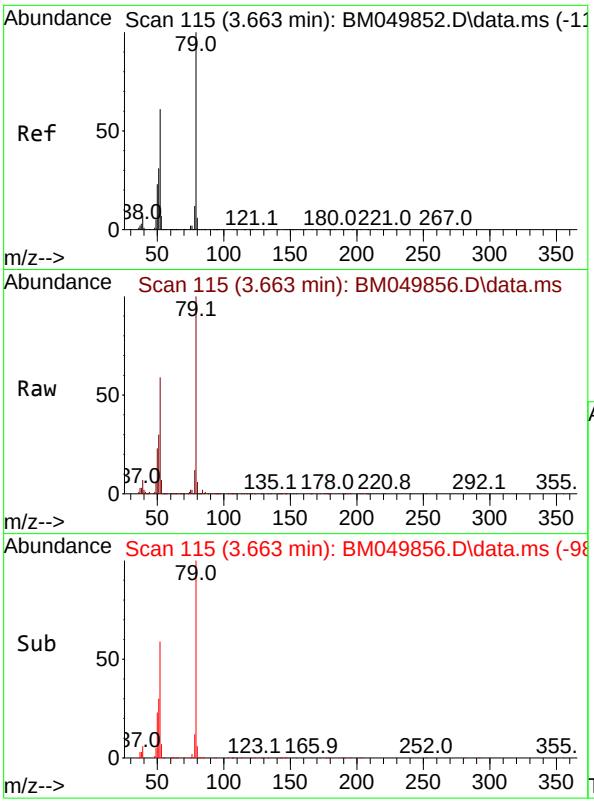


#2
1,4-Dioxane
Concen: 39.056 ng
RT: 3.263 min Scan# 47
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 88 Resp: 298756

Ion	Ratio	Lower	Upper
88	100		
58	67.4	54.1	81.1
43	24.8	20.2	30.4



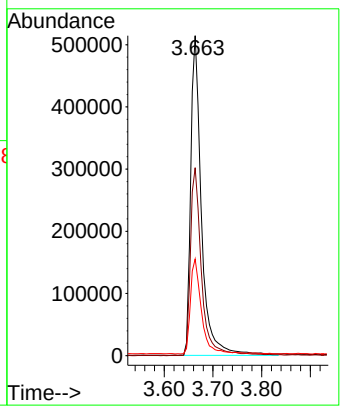


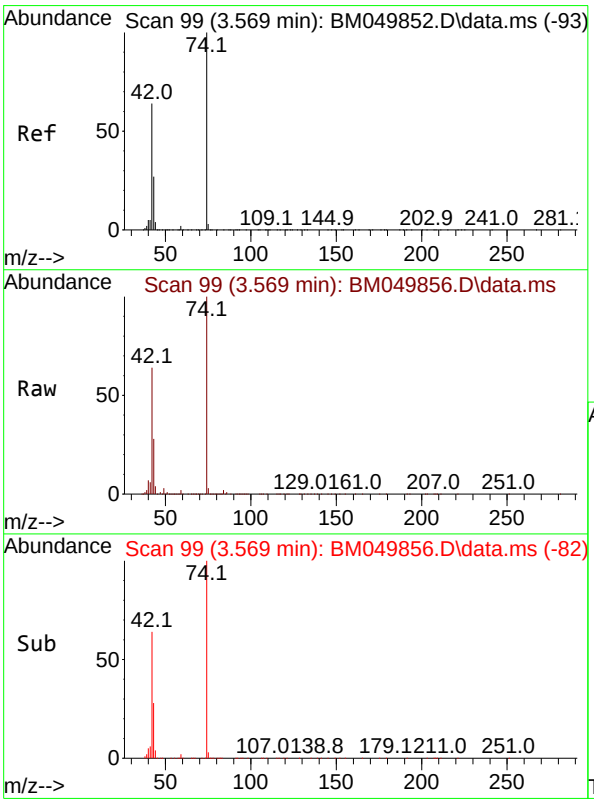
#3
Pyridine
Concen: 39.231 ng
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 79 Resp: 788453

Ion	Ratio	Lower	Upper
79	100		
52	58.8	48.9	73.3
51	30.2	25.0	37.6

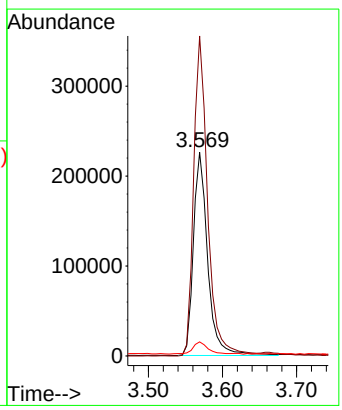


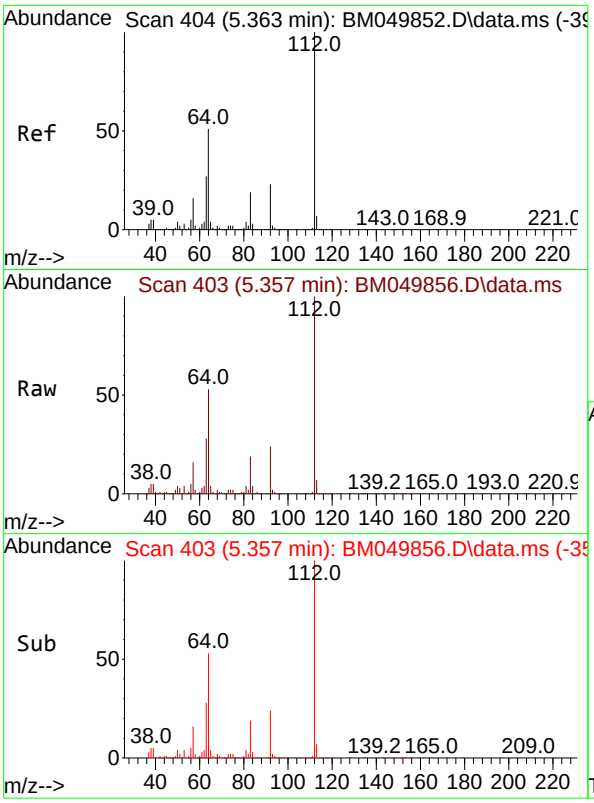


#4
n-Nitrosodimethylamine
Concen: 39.502 ng
RT: 3.569 min Scan# 99
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 42 Resp: 302128

Ion	Ratio	Lower	Upper
42	100		
74	157.1	125.4	188.2
44	6.9	5.9	8.9



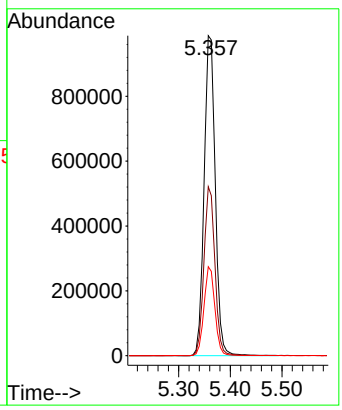


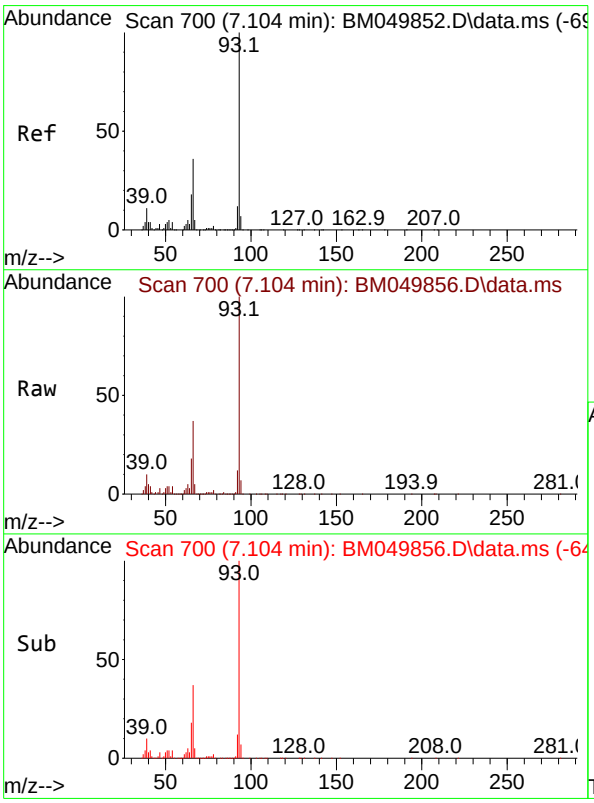
#5
2-Fluorophenol
Concen: 79.537 ng
RT: 5.357 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:112 Resp: 1477323

Ion	Ratio	Lower	Upper
112	100		
64	52.8	41.0	61.6
63	27.8	21.5	32.3

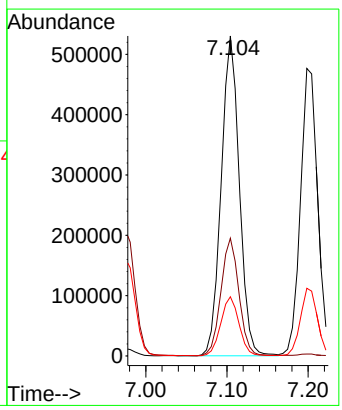


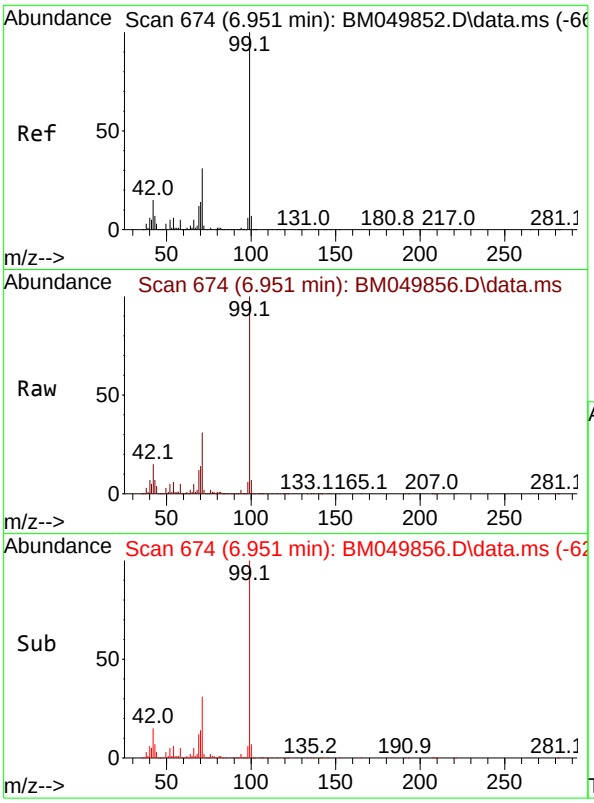


#6
Aniline
Concen: 41.621 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 93 Resp: 824180

Ion	Ratio	Lower	Upper
93	100		
66	36.8	29.1	43.7
65	18.5	14.9	22.3



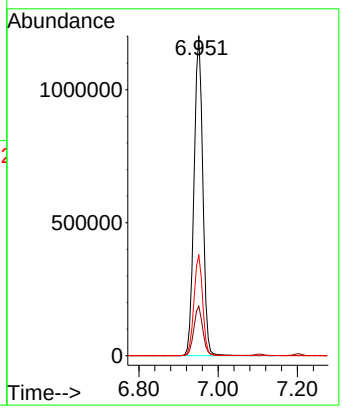


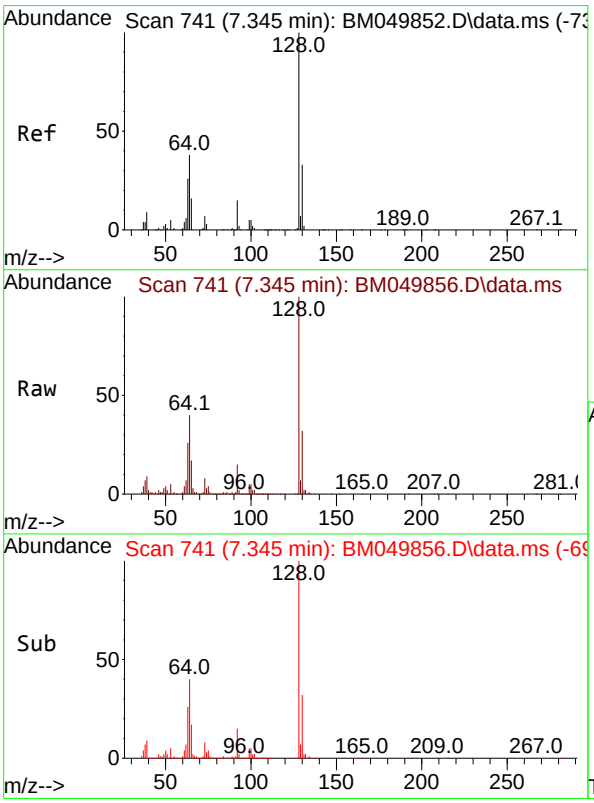
#7
Phenol-d6
Concen: 79.779 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 99 Resp: 1843667

Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.1	18.1
71	31.3	24.9	37.3

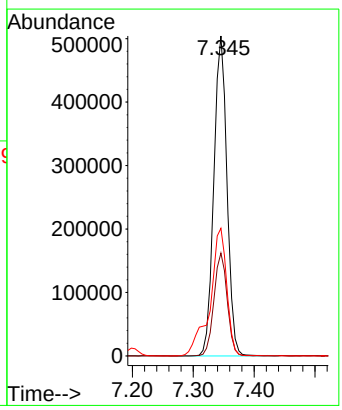


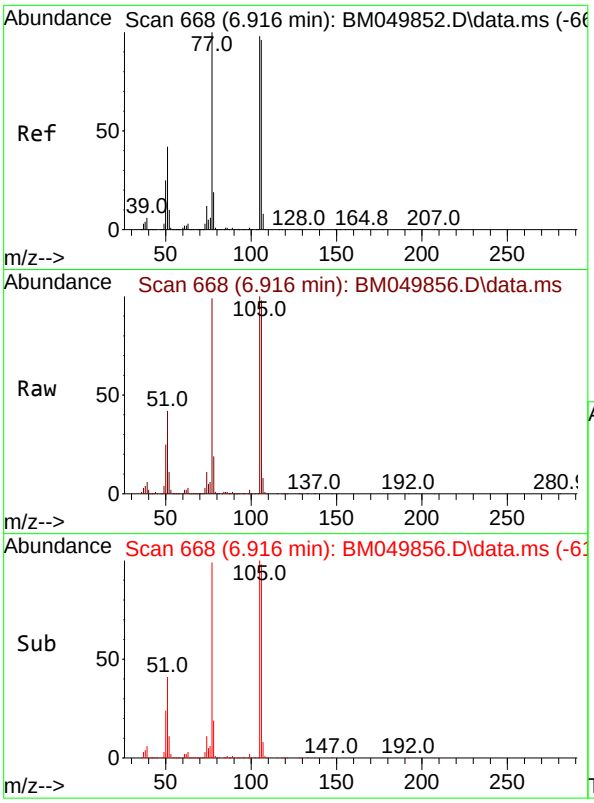


#8
2-Chlorophenol
Concen: 39.865 ng
RT: 7.345 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:128 Resp: 758833

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.6	52.6
64	39.9	21.1	61.1



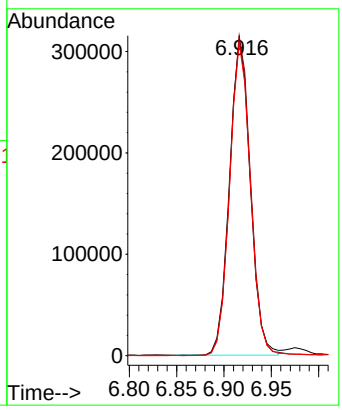


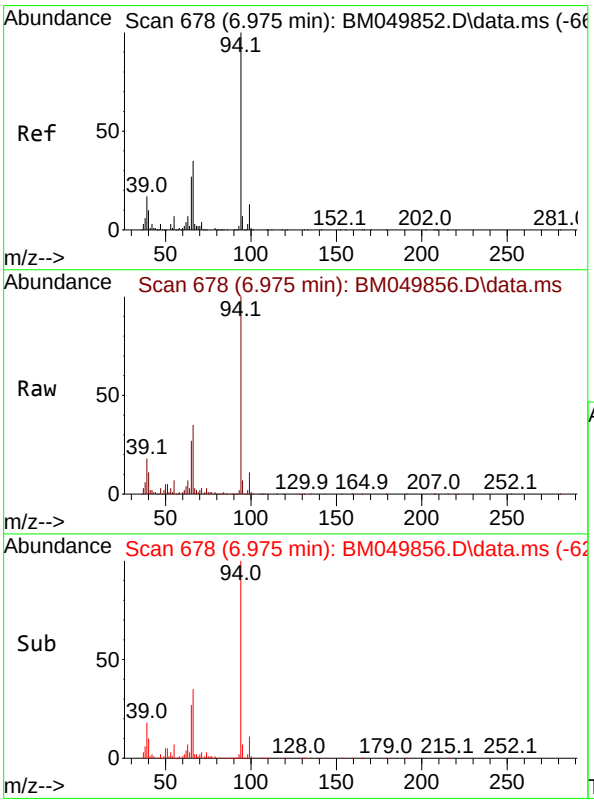
#9
Benzaldehyde
Concen: 40.391 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 77 Resp: 479003

Ion	Ratio	Lower	Upper
77	100		
105	101.0	78.3	118.3
106	98.9	76.0	116.0

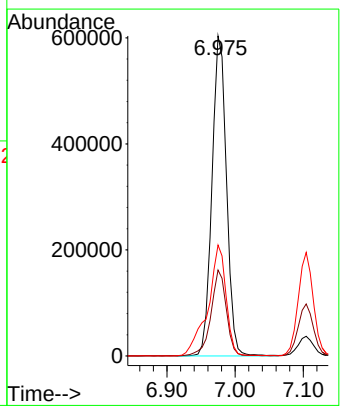


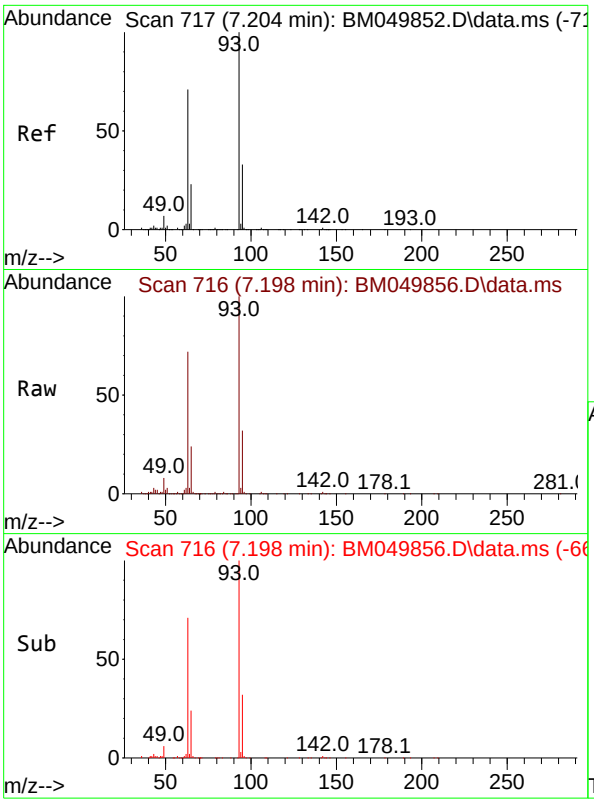


#10
Phenol
Concen: 39.708 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 94 Resp: 895478

Ion	Ratio	Lower	Upper
94	100		
65	26.8	7.3	47.3
66	34.6	14.8	54.8



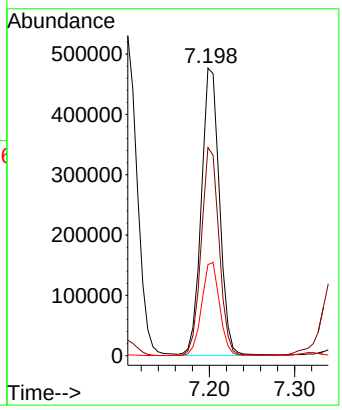


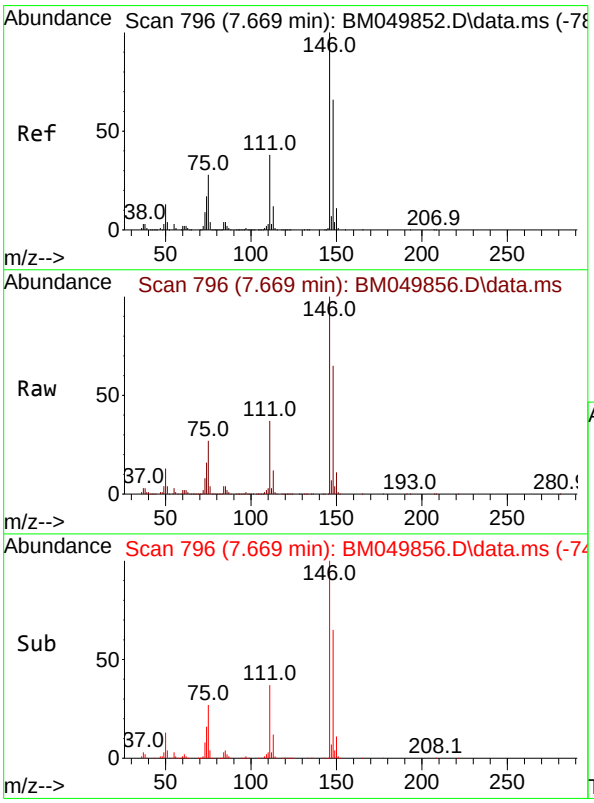
#11
bis(2-Chloroethyl)ether
Concen: 39.877 ng
RT: 7.198 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 93 Resp: 705217

Ion	Ratio	Lower	Upper
93	100		
63	72.4	50.9	90.9
95	31.6	12.6	52.6

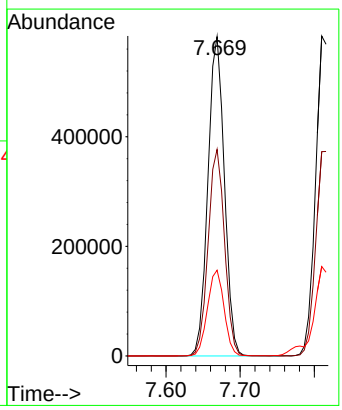


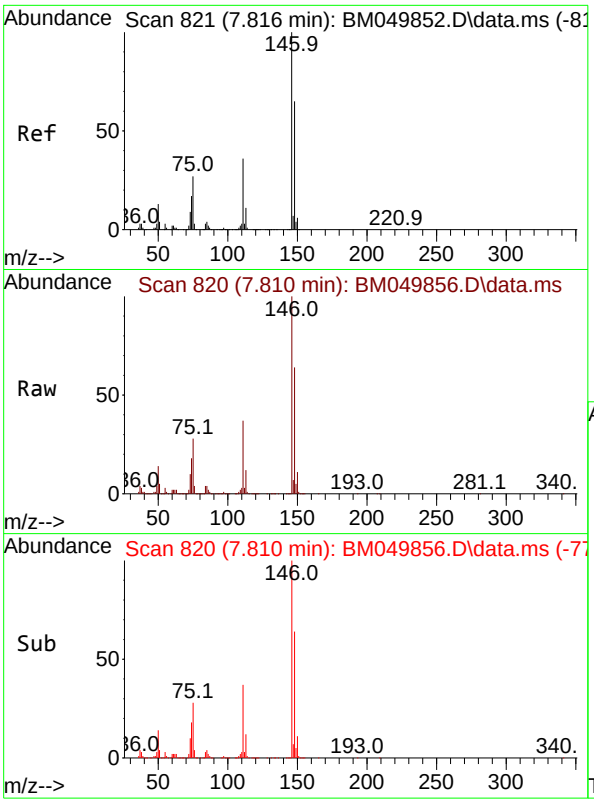


#12
1,3-Dichlorobenzene
Concen: 39.874 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:146 Resp: 897350

Ion	Ratio	Lower	Upper
146	100		
148	64.7	52.5	78.7
75	26.8	22.5	33.7



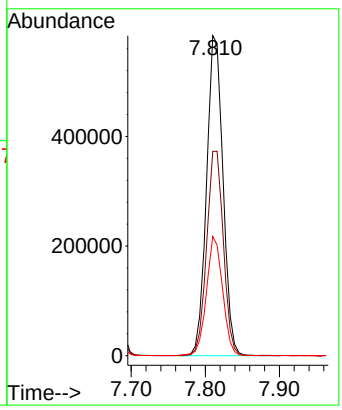


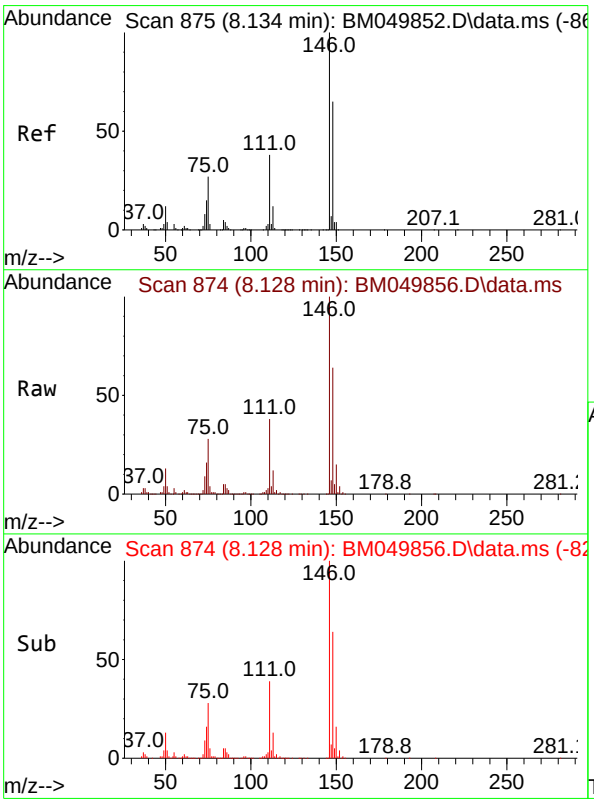
#13
1,4-Dichlorobenzene
Concen: 39.681 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:146 Resp: 898553

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.4	78.6
111	37.3	28.5	42.7

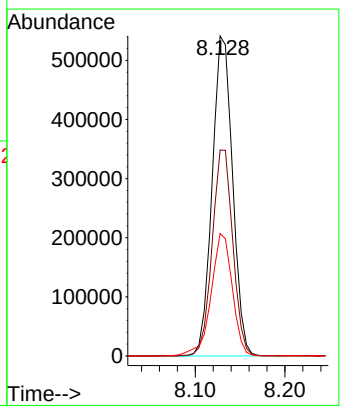


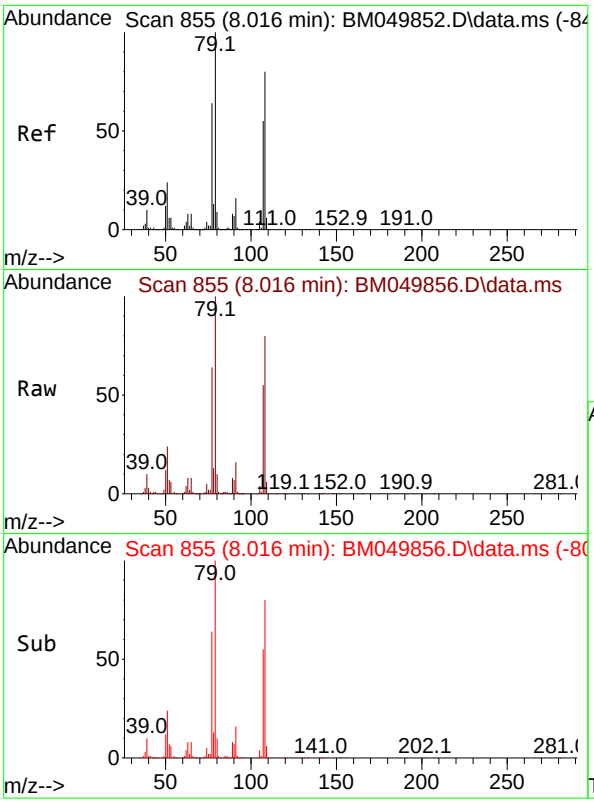


#14
1,2-Dichlorobenzene
Concen: 40.092 ng
RT: 8.128 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:146 Resp: 855104

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.8	77.8
111	38.2	30.2	45.4



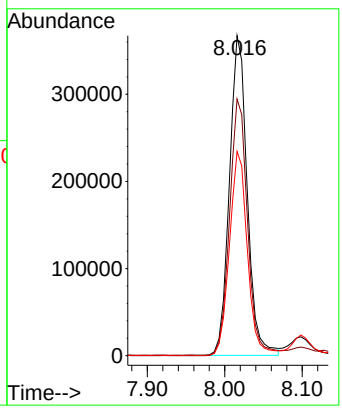


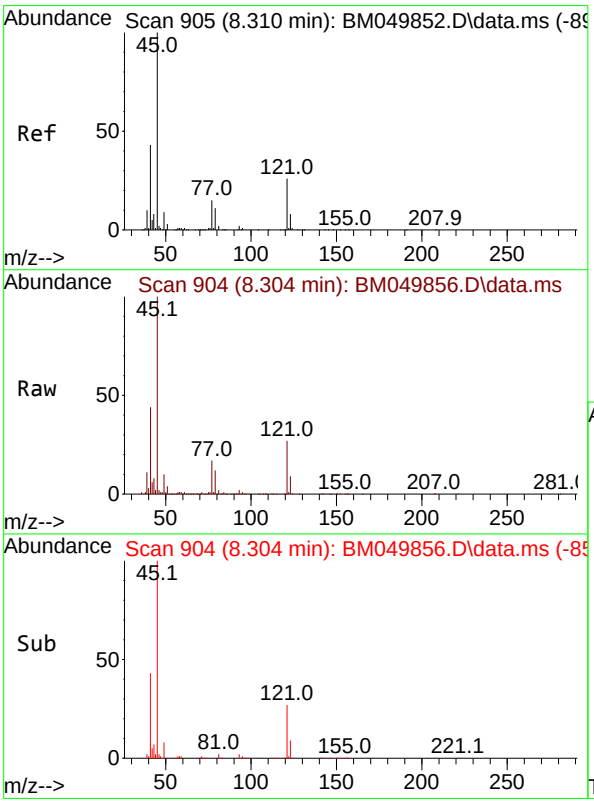
#15
Benzyl Alcohol
Concen: 40.260 ng
RT: 8.016 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 79 Resp: 585871

Ion	Ratio	Lower	Upper
79	100		
108	80.2	63.6	95.4
77	63.8	51.3	76.9

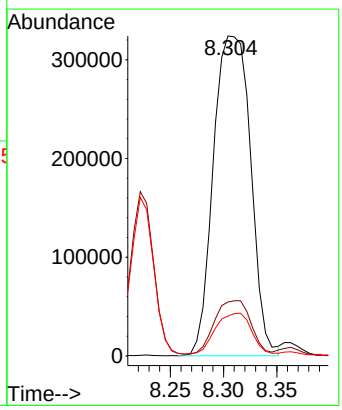


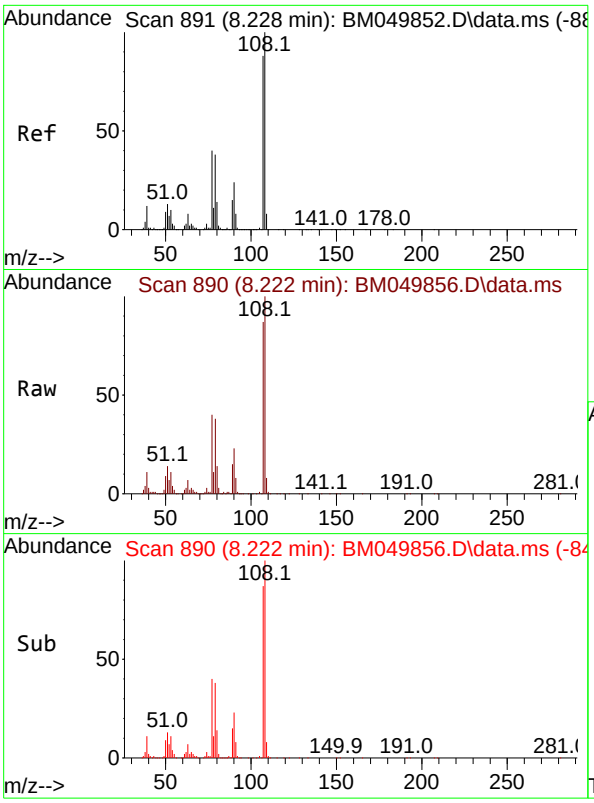


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.960 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 45 Resp: 787669

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.9
79	12.5	0.0	32.9



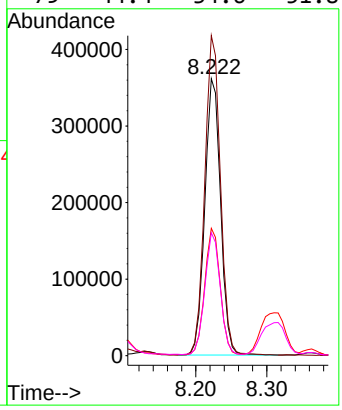


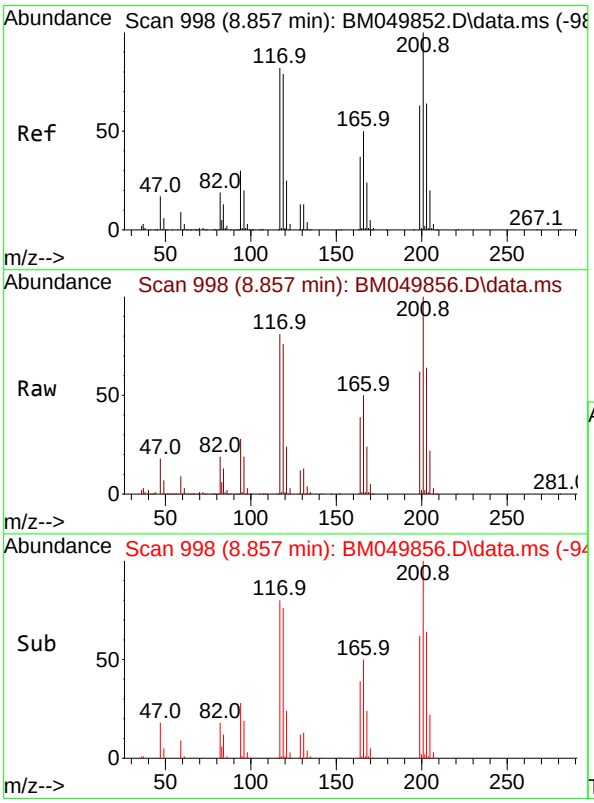
#17
2-Methylphenol
Concen: 40.092 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:107 Resp: 557174

Ion	Ratio	Lower	Upper
107	100		
108	115.5	91.0	136.6
77	46.0	36.5	54.7
79	44.4	34.6	51.8

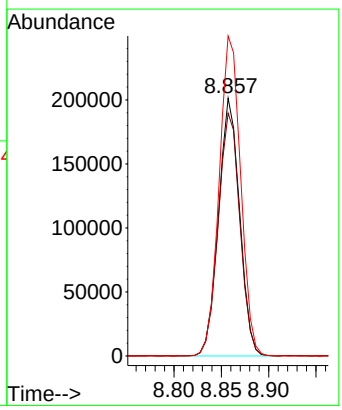


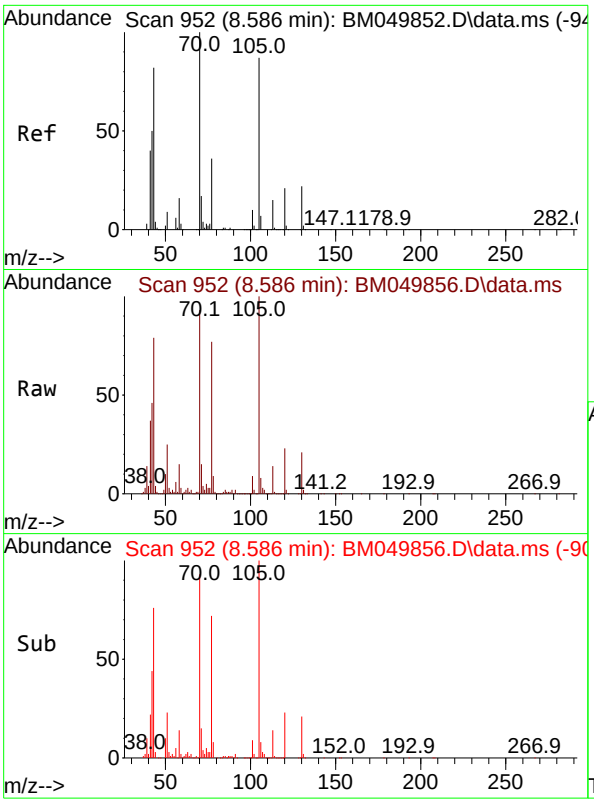


#18
Hexachloroethane
Concen: 39.677 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:117 Resp: 312580

Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.5	116.3
201	124.2	97.7	146.5



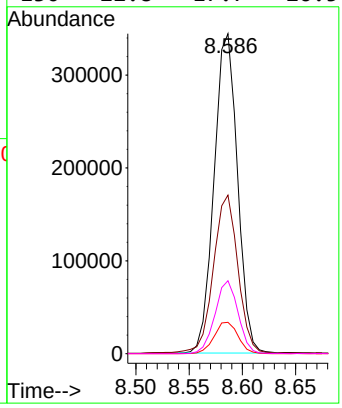


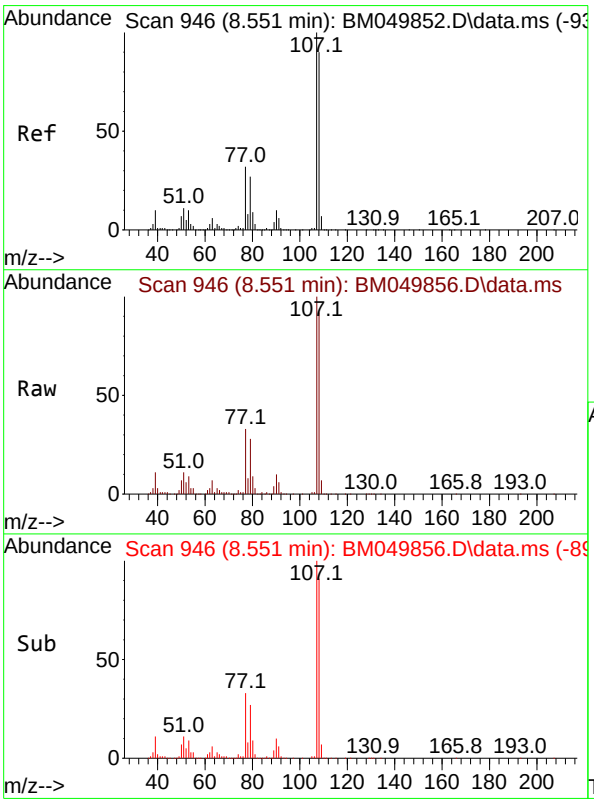
#19
n-Nitroso-di-n-propylamine
Concen: 41.040 ng
RT: 8.586 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 70 Resp: 525287

Ion	Ratio	Lower	Upper
70	100		
42	49.6	40.2	60.2
101	9.8	7.9	11.9
130	22.8	17.7	26.5

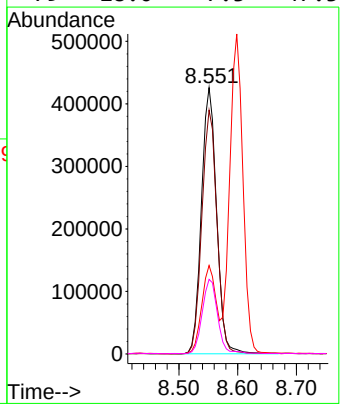


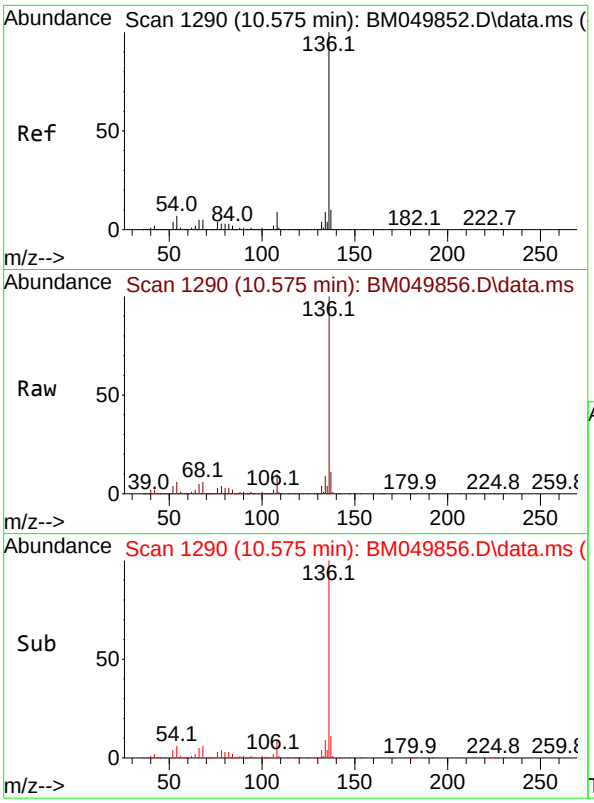


#20
3+4-Methylphenols
Concen: 40.132 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:107 Resp: 760368

Ion	Ratio	Lower	Upper
107	100		
108	91.5	69.6	109.6
77	33.2	11.7	51.7
79	28.0	7.3	47.3



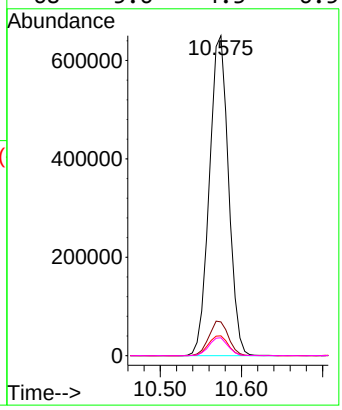


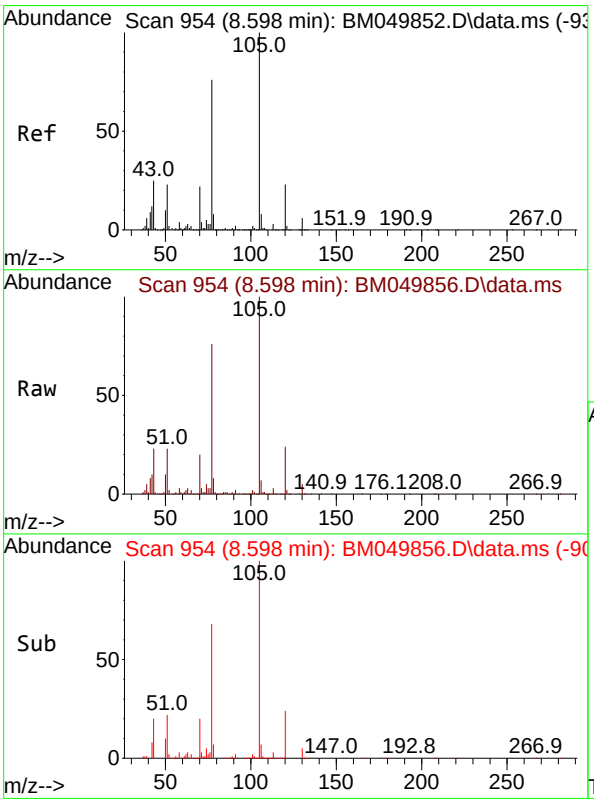
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:136 Resp: 1065845

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.4	12.6
54	6.2	5.3	7.9
68	5.6	4.3	6.5

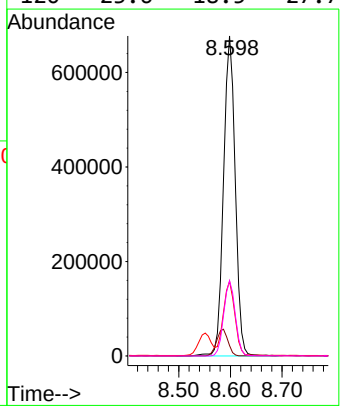


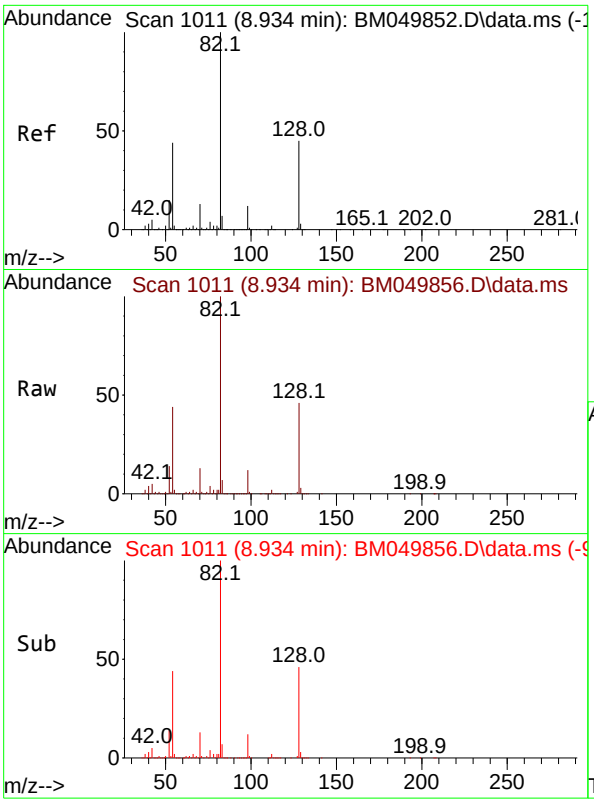


#22
Acetophenone
Concen: 41.119 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:105 Resp: 1065111

Ion	Ratio	Lower	Upper
105	100		
71	3.2	3.0	4.4
51	23.4	18.6	27.8
120	23.6	18.5	27.7



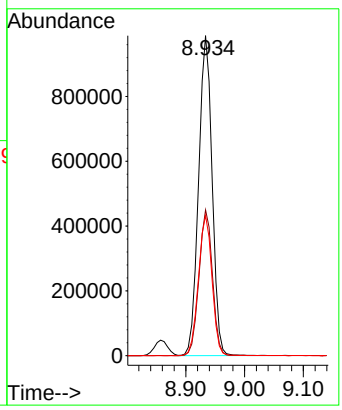


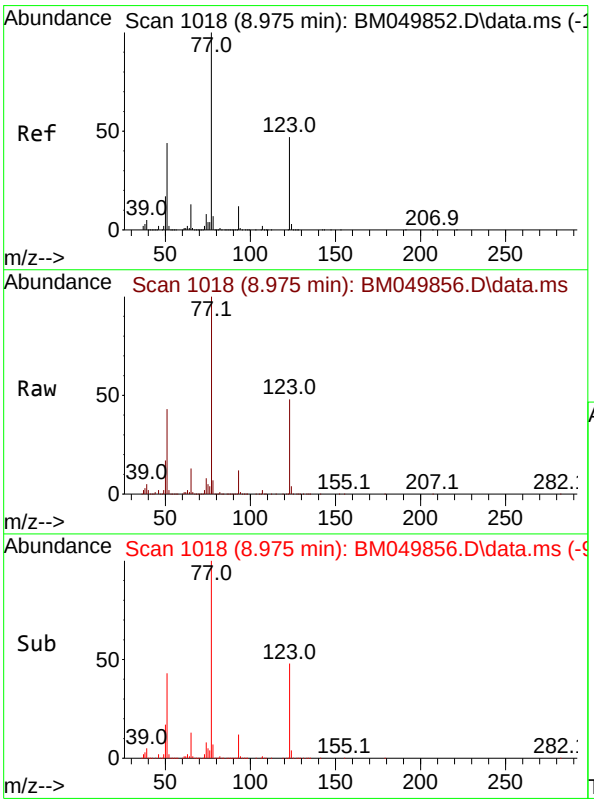
#23
Nitrobenzene-d5
Concen: 82.580 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 82 Resp: 1580621

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.2	54.2
54	43.8	35.0	52.6

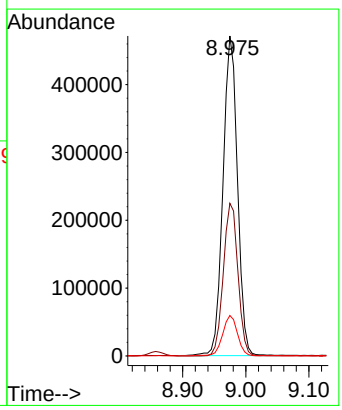


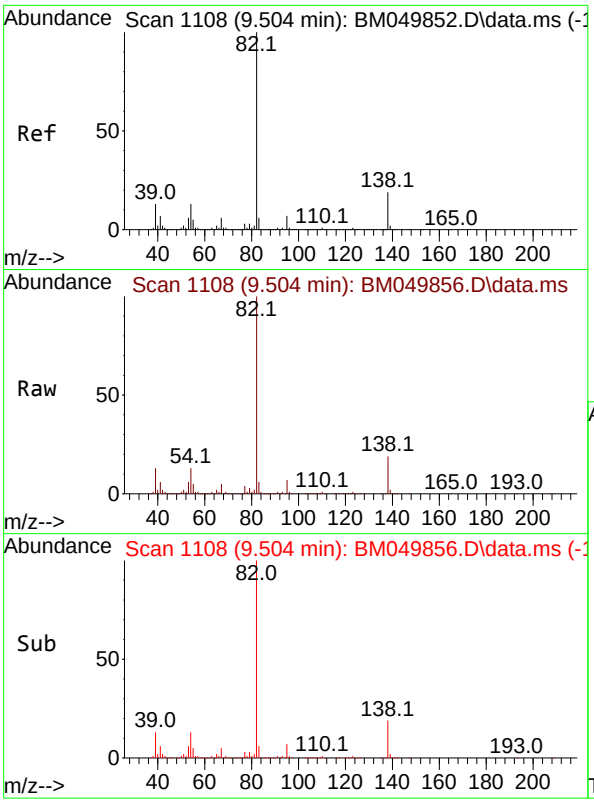


#24
Nitrobenzene
Concen: 40.732 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 77 Resp: 750719

Ion	Ratio	Lower	Upper
77	100		
123	47.7	37.4	56.2
65	12.7	10.1	15.1



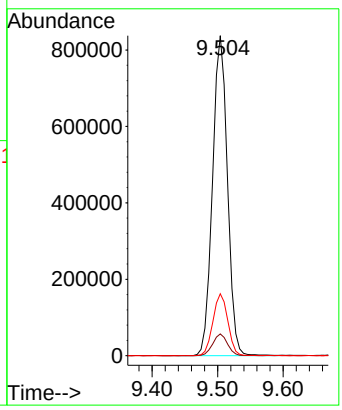


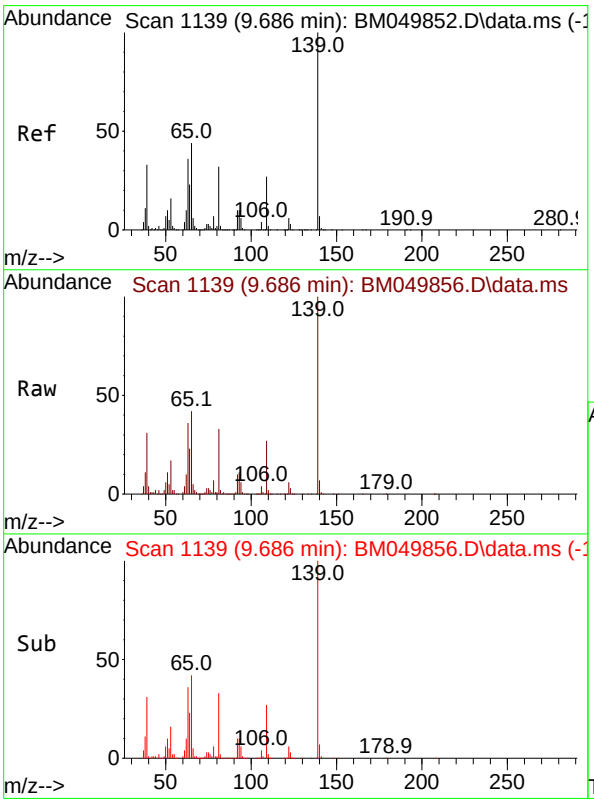
#25
Isophorone
Concen: 41.165 ng
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 82 Resp: 1319919

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.4	8.2
138	19.3	15.0	22.6

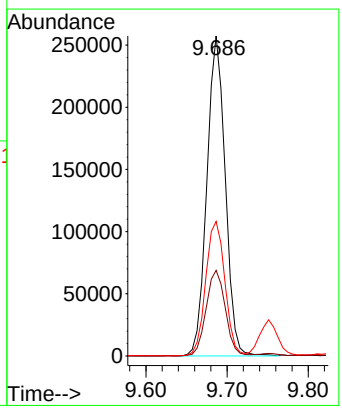


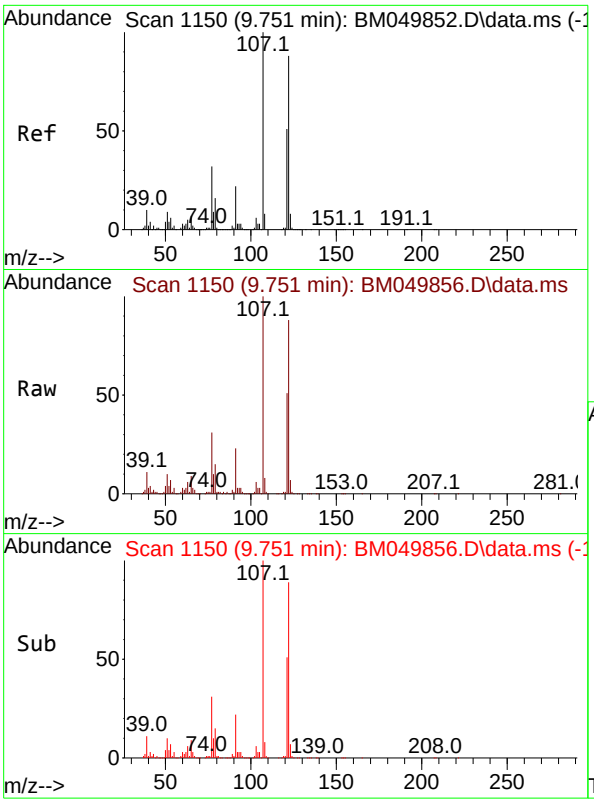


#26
2-Nitrophenol
Concen: 41.481 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:139 Resp: 405206

Ion	Ratio	Lower	Upper
139	100		
109	26.7	21.7	32.5
65	42.0	35.2	52.8



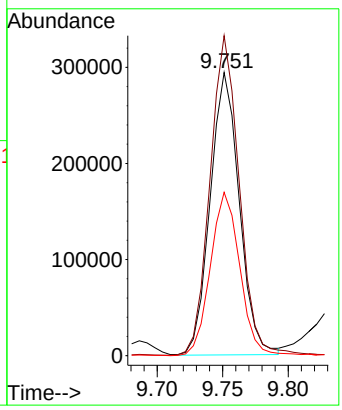


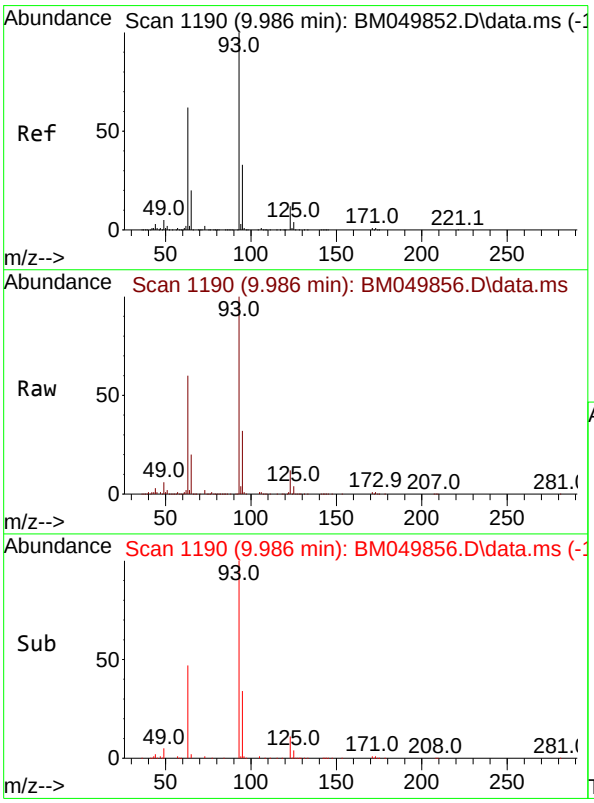
#27
2,4-Dimethylphenol
Concen: 41.022 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:122 Resp: 454139

Ion	Ratio	Lower	Upper
122	100		
107	113.0	90.3	135.5
121	57.7	46.1	69.1

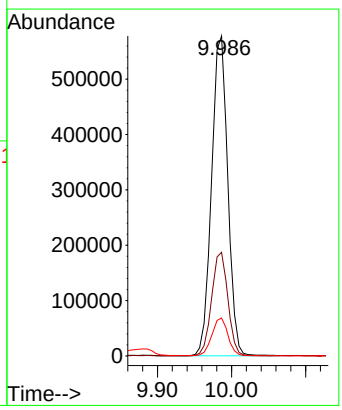


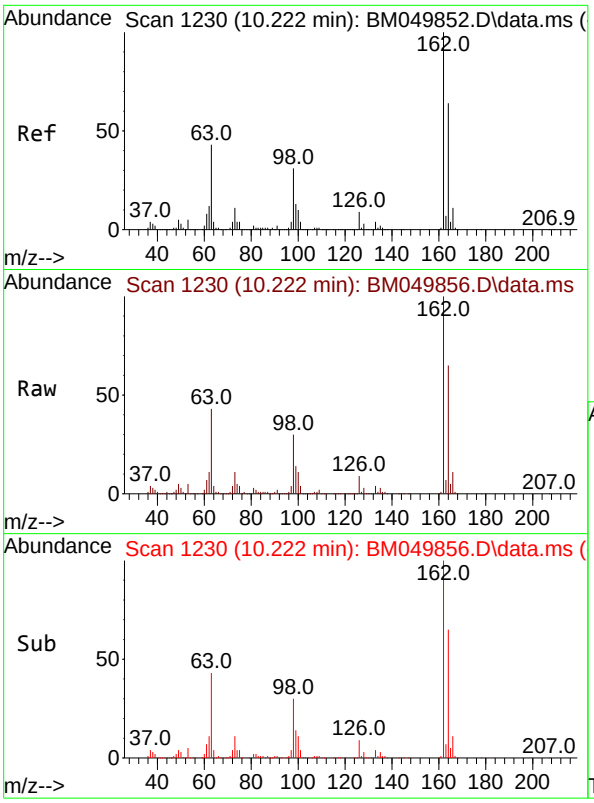


#28
bis(2-Chloroethoxy)methane
Concen: 40.868 ng
RT: 9.986 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 93 Resp: 877287

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.6	40.0
123	11.9	9.5	14.3



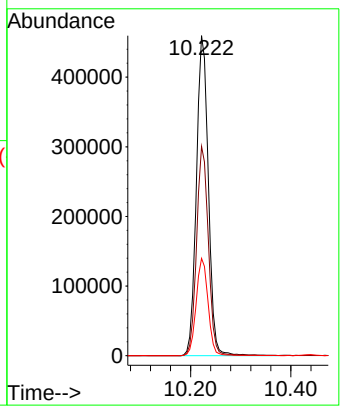


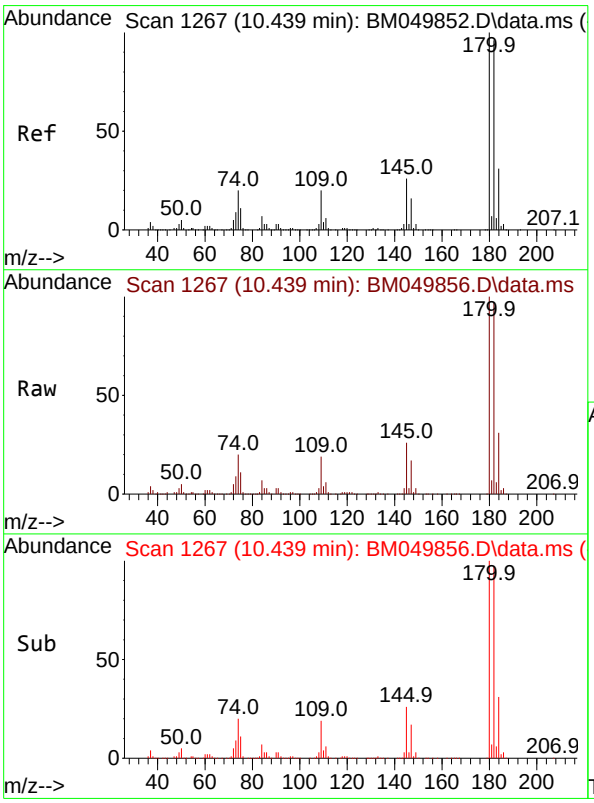
#29
2,4-Dichlorophenol
Concen: 41.249 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:162 Resp: 759071

Ion	Ratio	Lower	Upper
162	100		
164	65.4	44.3	84.3
98	30.4	10.9	50.9

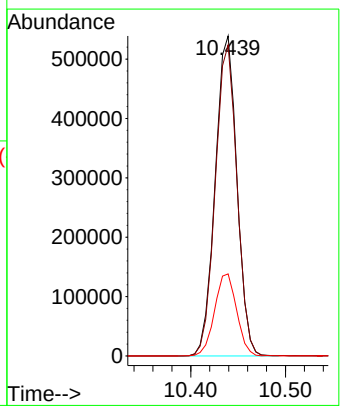


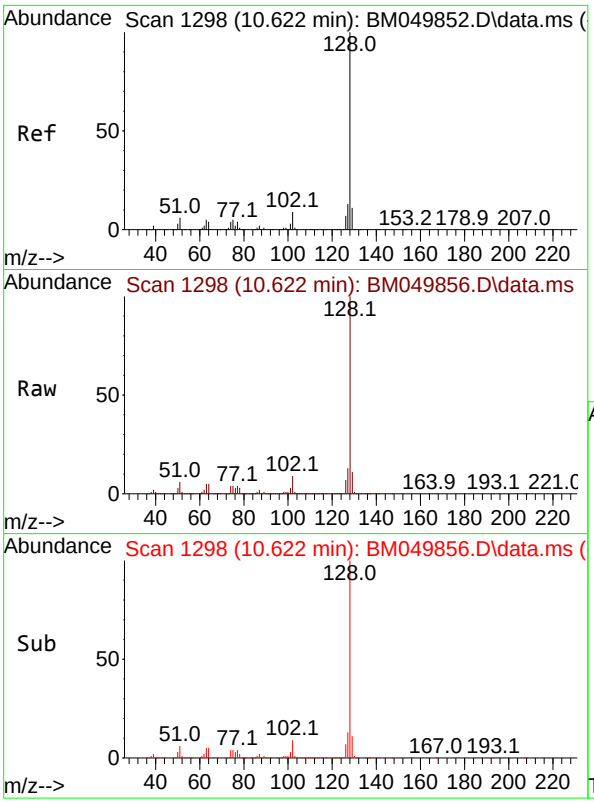


#30
1,2,4-Trichlorobenzene
Concen: 40.409 ng
RT: 10.439 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:180 Resp: 860242

Ion	Ratio	Lower	Upper
180	100		
182	97.2	76.7	115.1
145	25.7	20.8	31.2



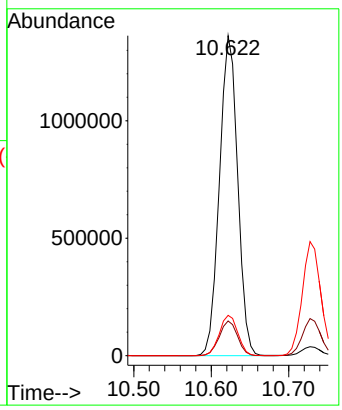


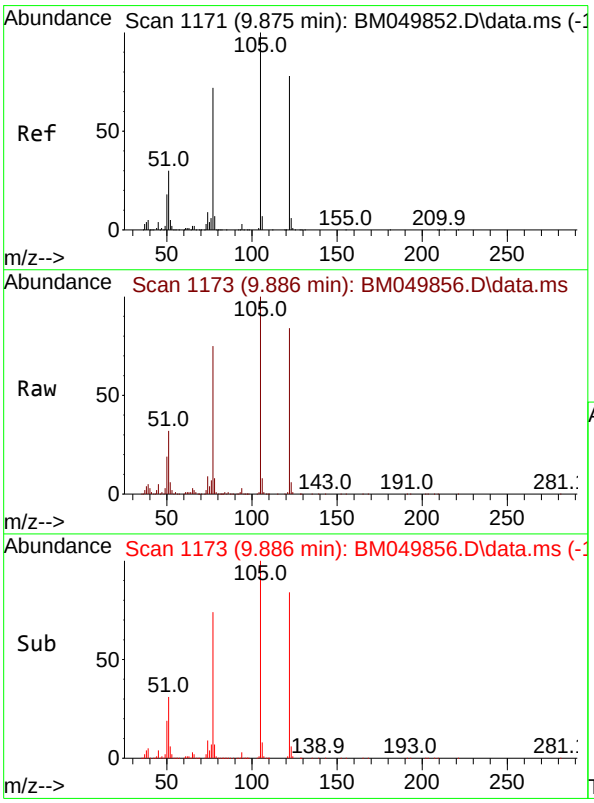
#31
Naphthalene
Concen: 40.582 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:128 Resp: 2222571

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.6	10.6	15.8

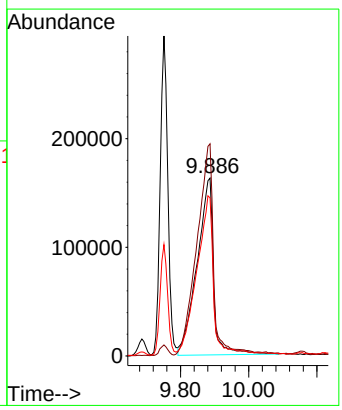


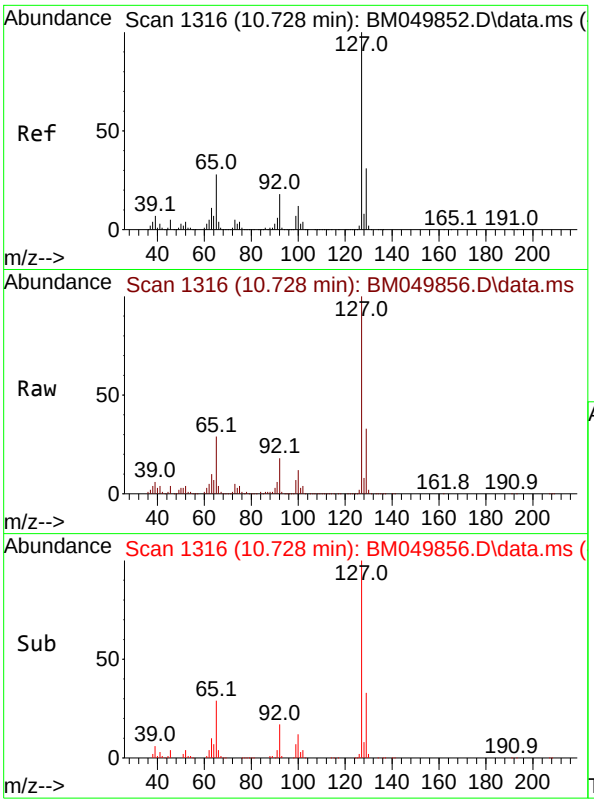


#32
Benzoic acid
Concen: 41.427 ng
RT: 9.886 min Scan# 1173
Delta R.T. 0.011 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:122 Resp: 548954

Ion	Ratio	Lower	Upper
122	100		
105	119.2	103.8	143.8
77	88.9	70.7	110.7



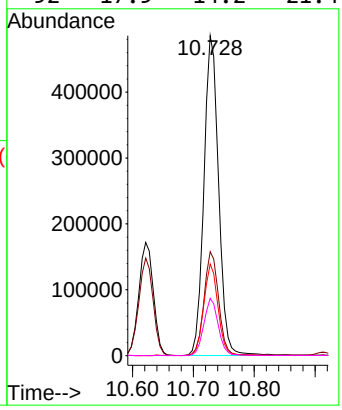


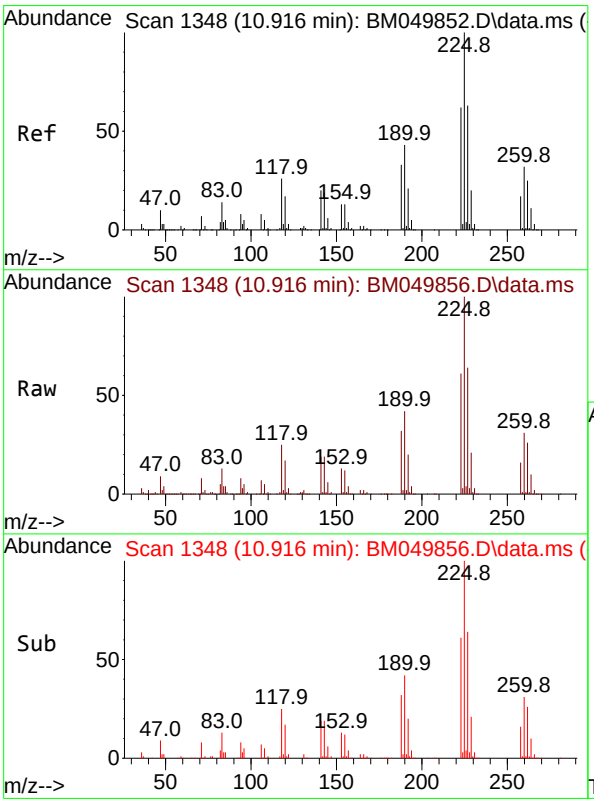
#33
4-Chloroaniline
Concen: 42.177 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:127 Resp: 815667

Ion	Ratio	Lower	Upper
127	100		
129	32.5	24.9	37.3
65	28.7	22.4	33.6
92	17.9	14.2	21.4

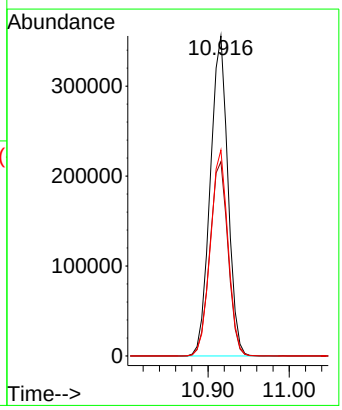


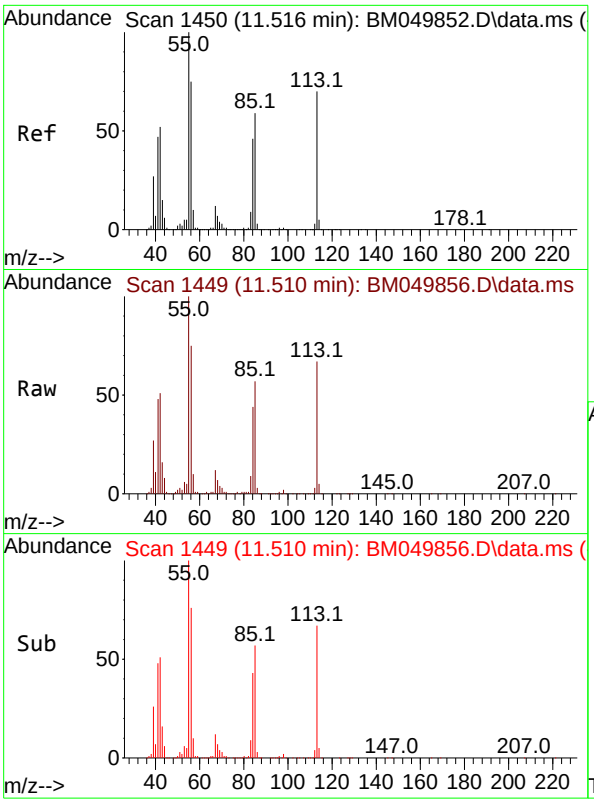


#34
Hexachlorobutadiene
Concen: 40.688 ng
RT: 10.916 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:225 Resp: 535791

Ion	Ratio	Lower	Upper
225	100		
223	60.7	49.4	74.2
227	64.4	50.1	75.1



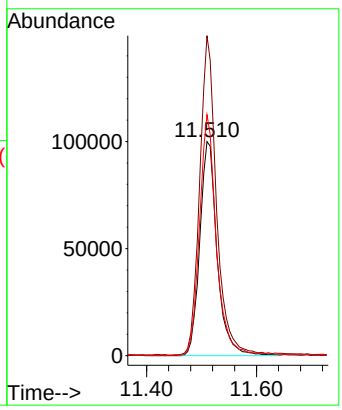


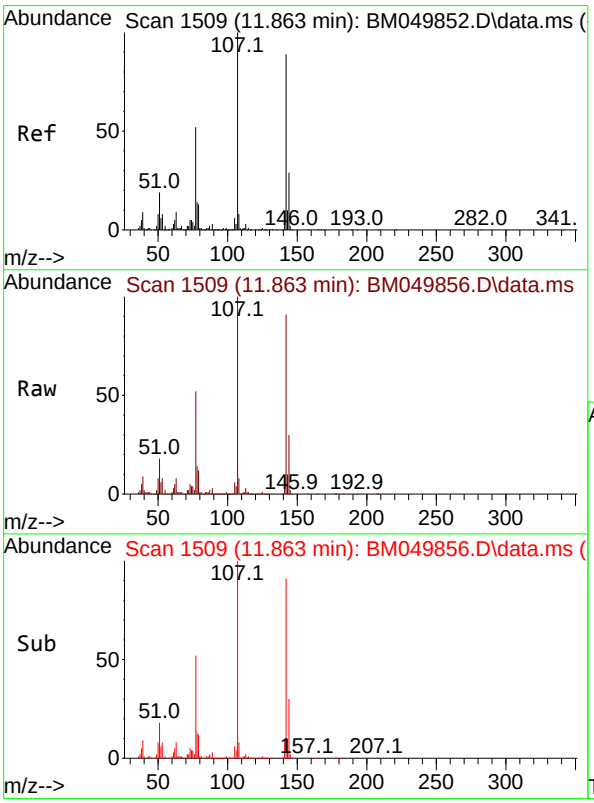
#35
Caprolactam
Concen: 41.519 ng
RT: 11.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:113 Resp: 219136

Ion	Ratio	Lower	Upper
113	100		
55	149.5	124.3	164.3
56	112.6	87.5	127.5

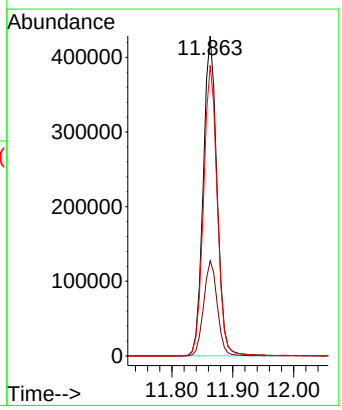


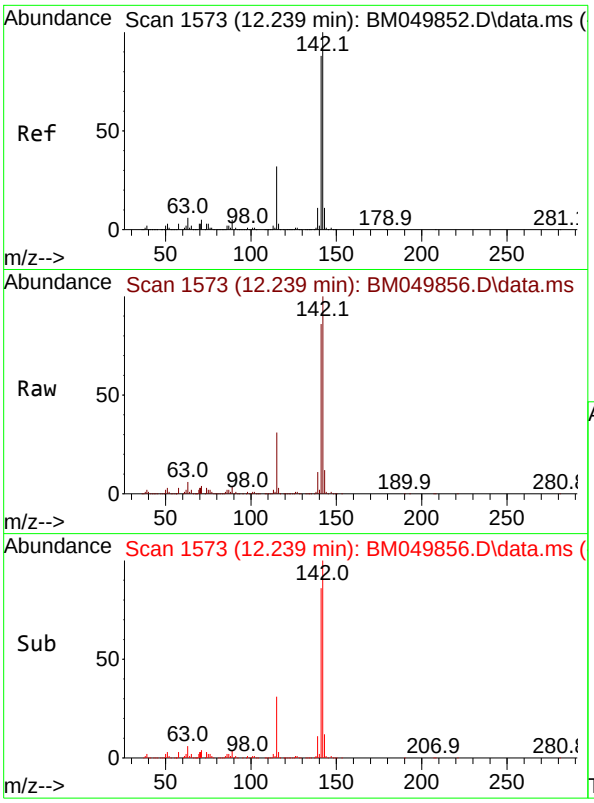


#36
4-Chloro-3-methylphenol
Concen: 41.604 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:107 Resp: 670620

Ion	Ratio	Lower	Upper
107	100		
144	29.8	23.6	35.4
142	90.8	71.4	107.0



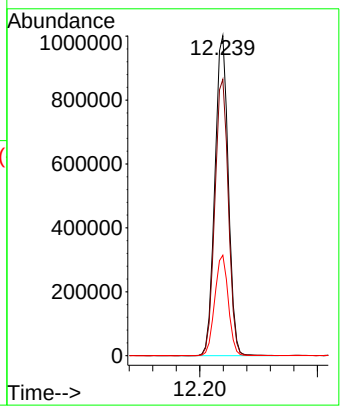


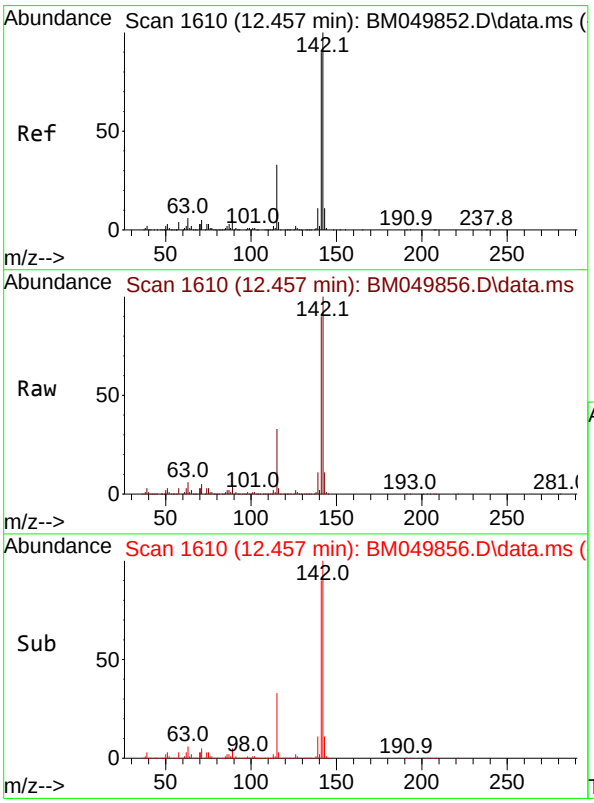
#37
2-Methylnaphthalene
Concen: 41.181 ng
RT: 12.239 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:142 Resp: 1589046

Ion	Ratio	Lower	Upper
142	100		
141	86.4	70.2	105.2
115	31.4	25.4	38.2

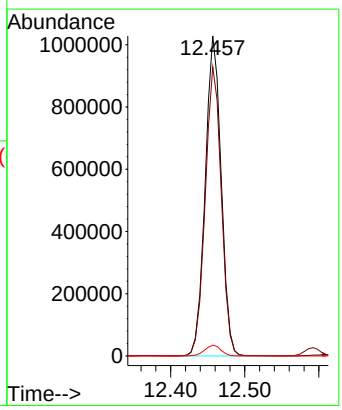


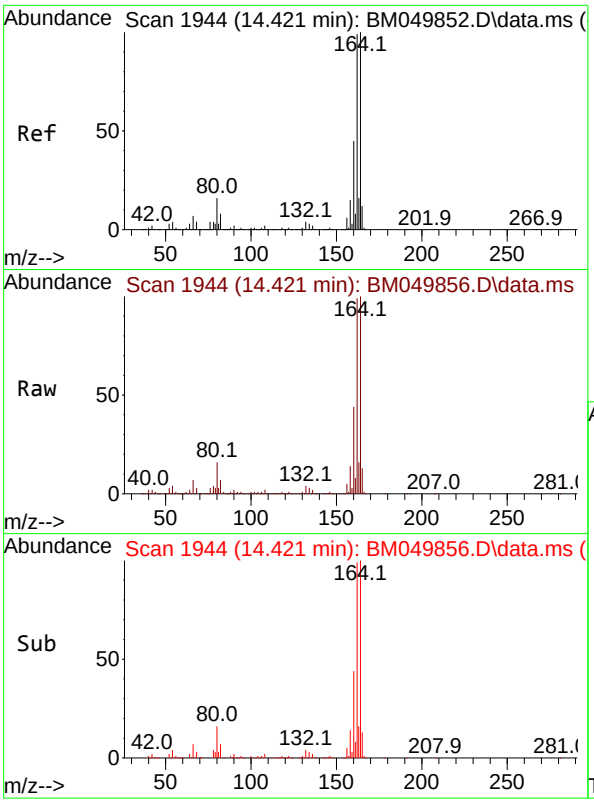


#38
1-Methylnaphthalene
Concen: 40.865 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:142 Resp: 1536235

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.2	108.2
116	3.4	2.9	4.3



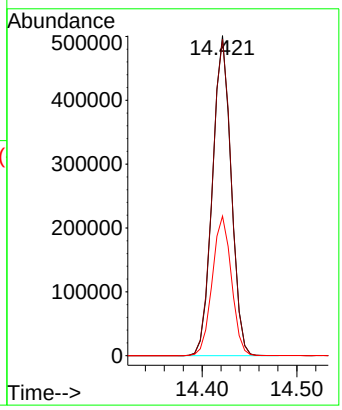


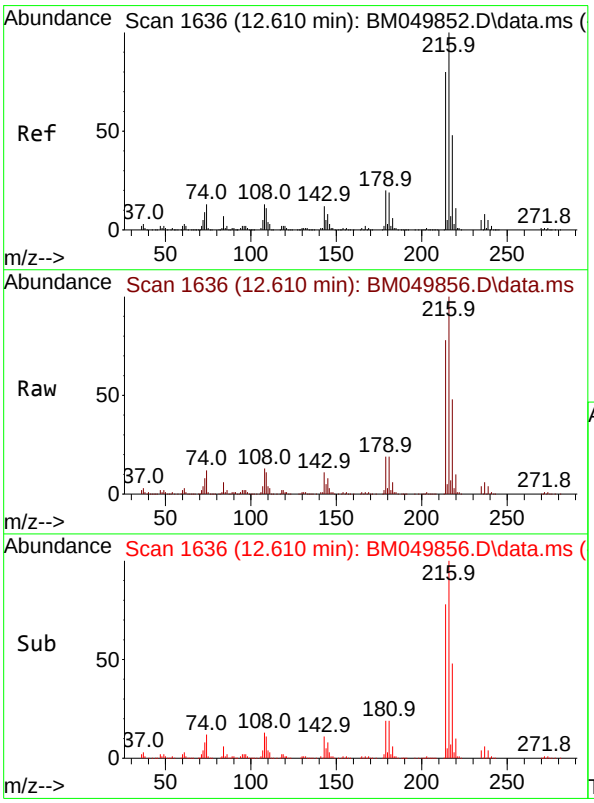
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:164 Resp: 683720

Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.4	119.0
160	43.6	36.2	54.2

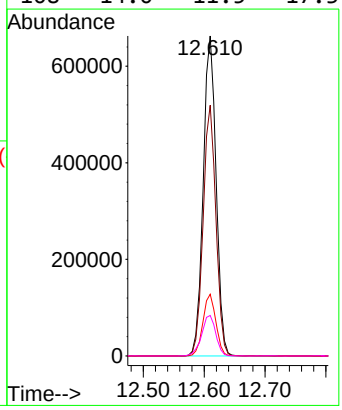


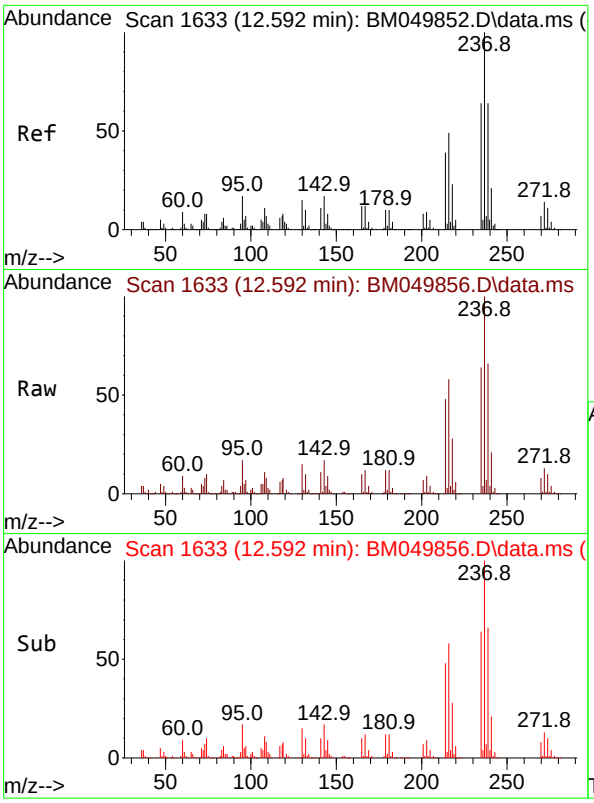


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.724 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:216 Resp: 974104

Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.2	94.8
179	19.4	15.8	23.6
108	14.0	11.5	17.3



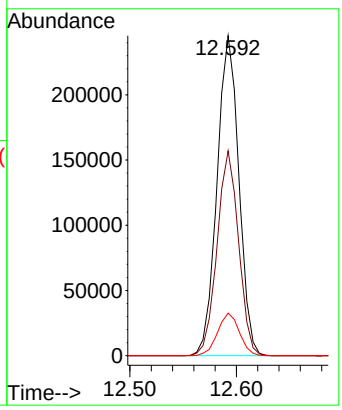


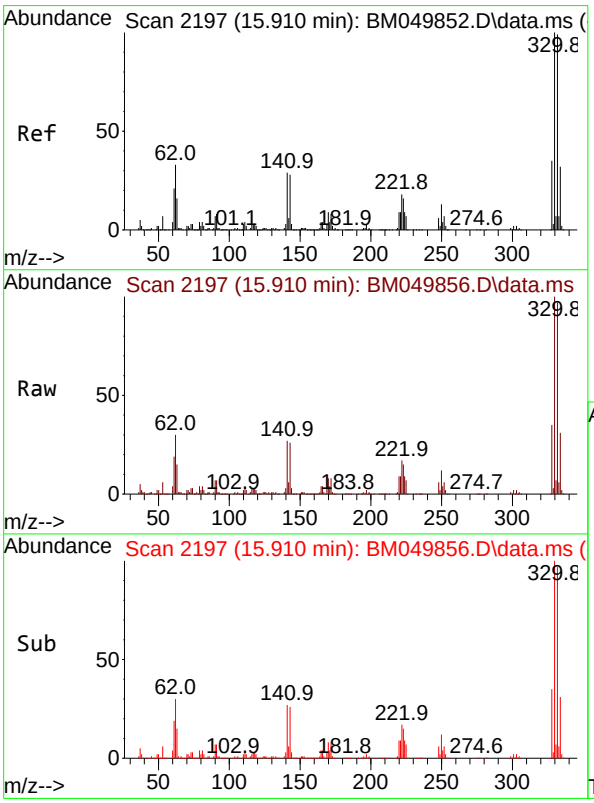
#41
Hexachlorocyclopentadiene
Concen: 41.571 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:237 Resp: 348434

Ion	Ratio	Lower	Upper
237	100		
235	64.0	43.7	83.7
272	13.3	0.0	33.5

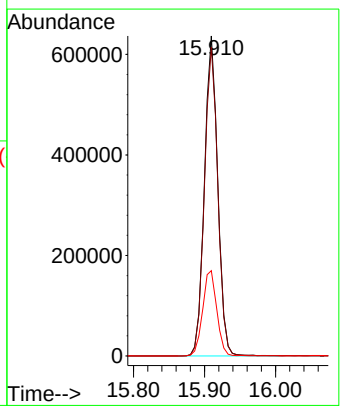


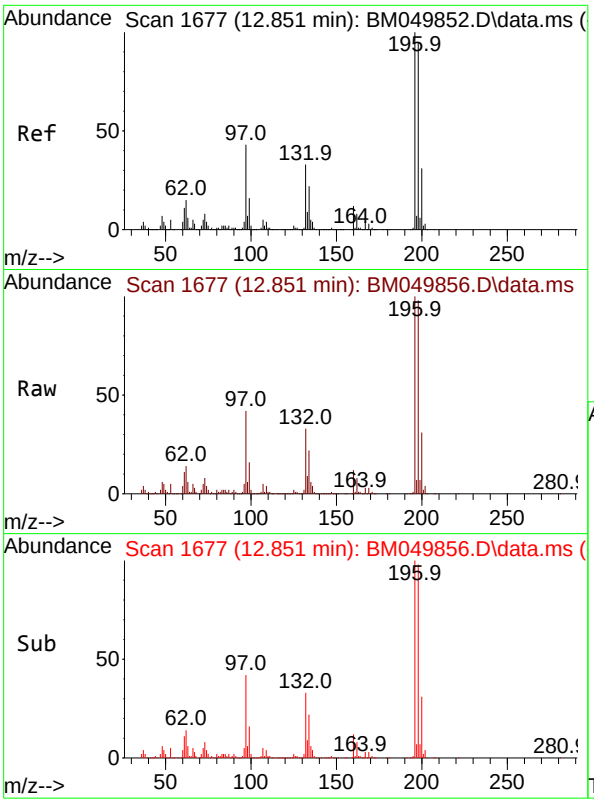


#42
2,4,6-Tribromophenol
Concen: 83.550 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:330 Resp: 830905

Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.0	117.0
141	28.4	23.5	35.3



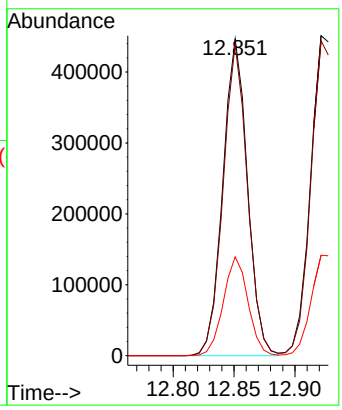


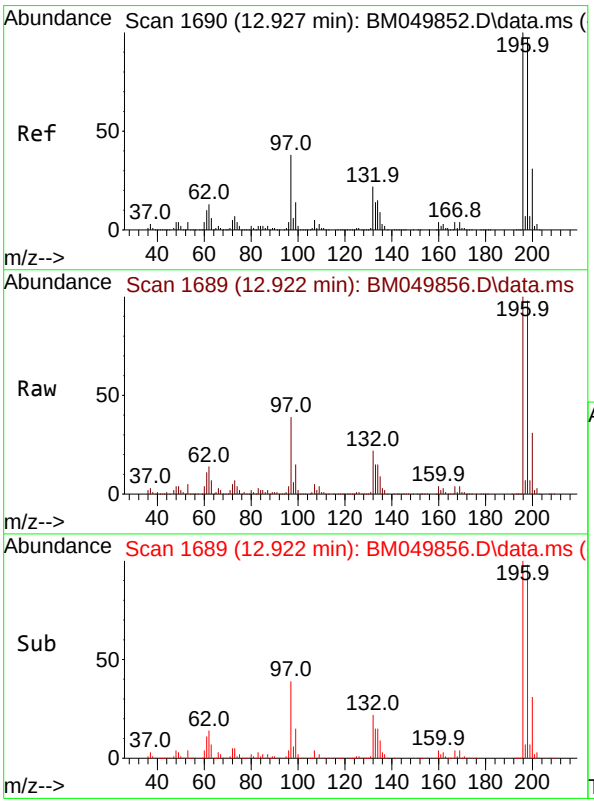
#43
2,4,6-Trichlorophenol
Concen: 41.361 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:196 Resp: 629554

Ion	Ratio	Lower	Upper
196	100		
198	98.3	76.1	114.1
200	31.2	24.7	37.1

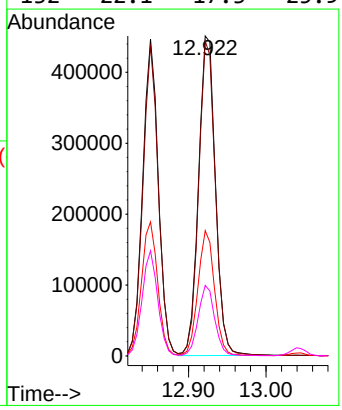


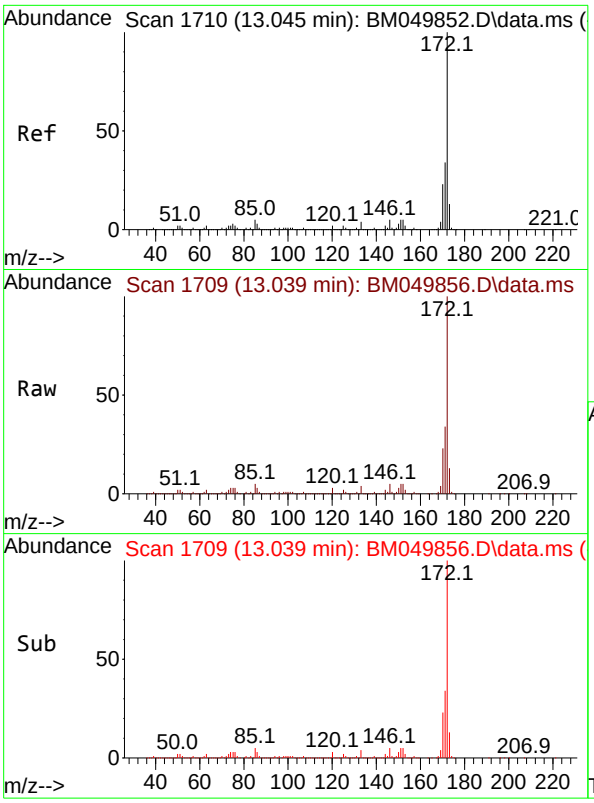


#44
2,4,5-Trichlorophenol
Concen: 41.410 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:196 Resp: 684953

Ion	Ratio	Lower	Upper
196	100		
198	98.4	77.7	116.5
97	39.2	30.3	45.5
132	22.1	17.3	25.9



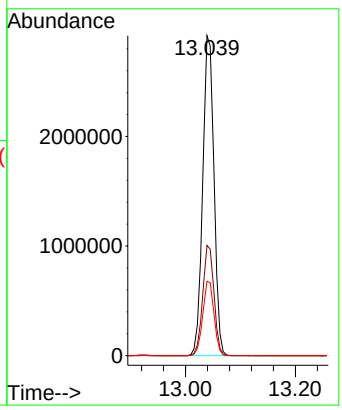


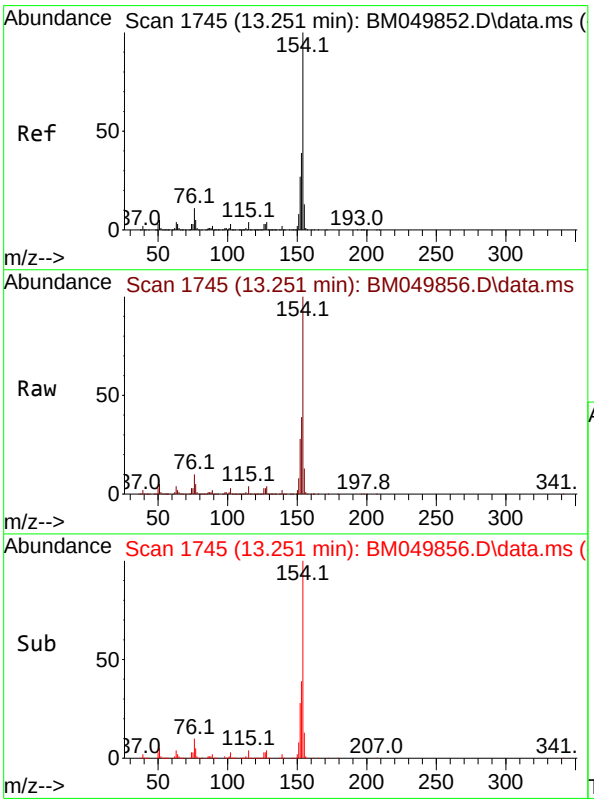
#45
2-Fluorobiphenyl
Concen: 82.271 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:172 Resp: 4148227

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.2
170	23.2	18.6	28.0

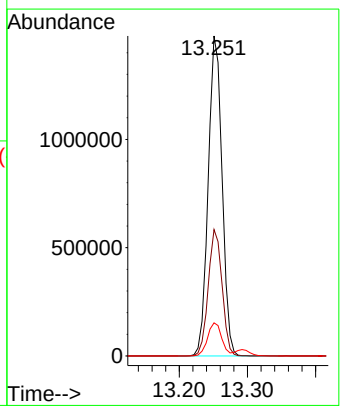


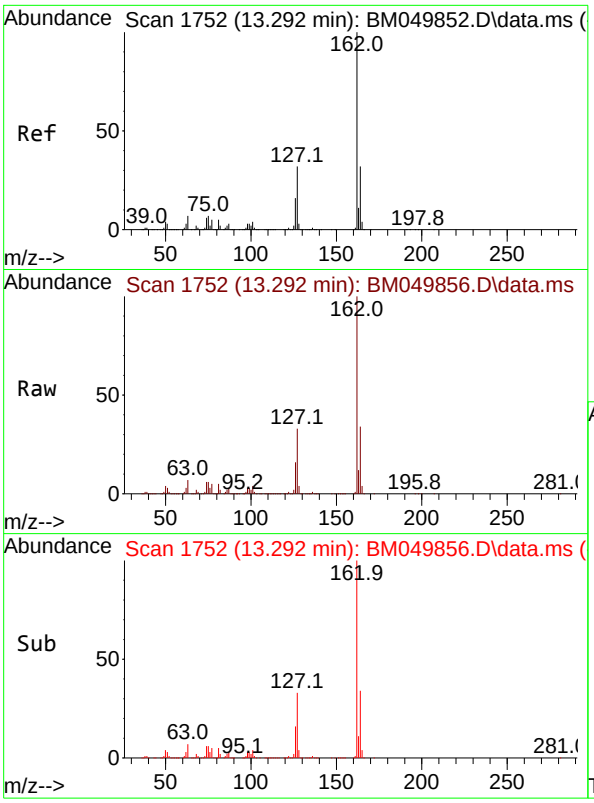


#46
1,1'-Biphenyl
Concen: 41.097 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:154 Resp: 2088758

Ion	Ratio	Lower	Upper
154	100		
153	39.5	19.3	59.3
76	10.3	0.0	30.7



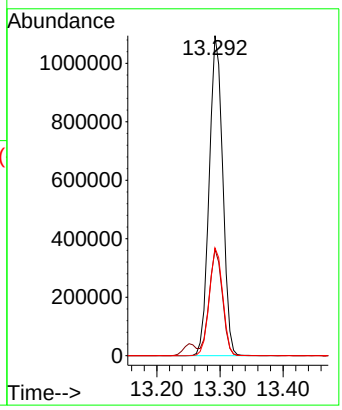


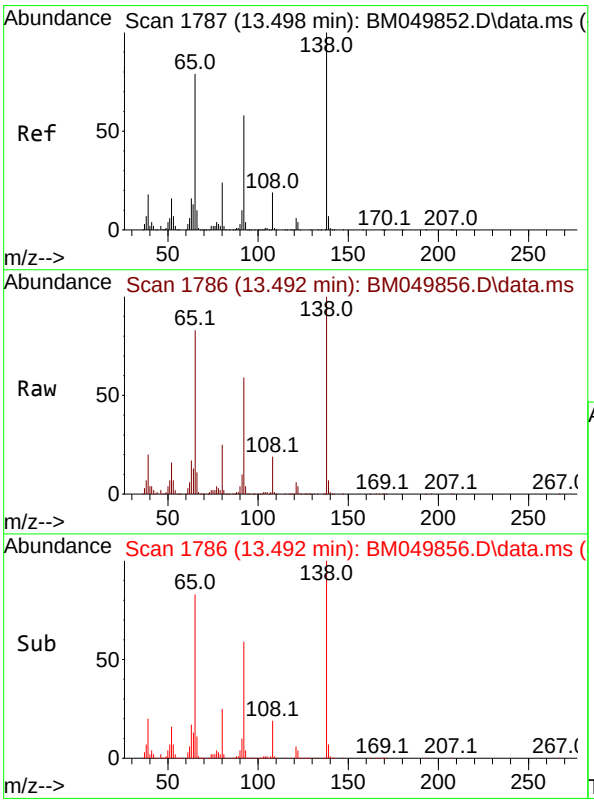
#47
2-Chloronaphthalene
Concen: 40.719 ng
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:162 Resp: 1626662

Ion	Ratio	Lower	Upper
162	100		
127	33.2	26.0	39.0
164	33.7	25.9	38.9

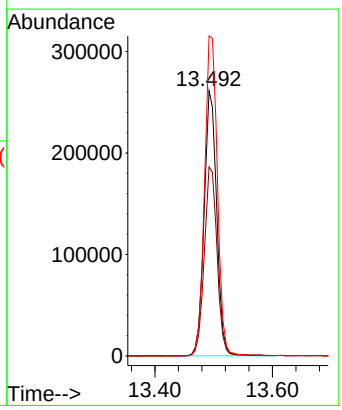


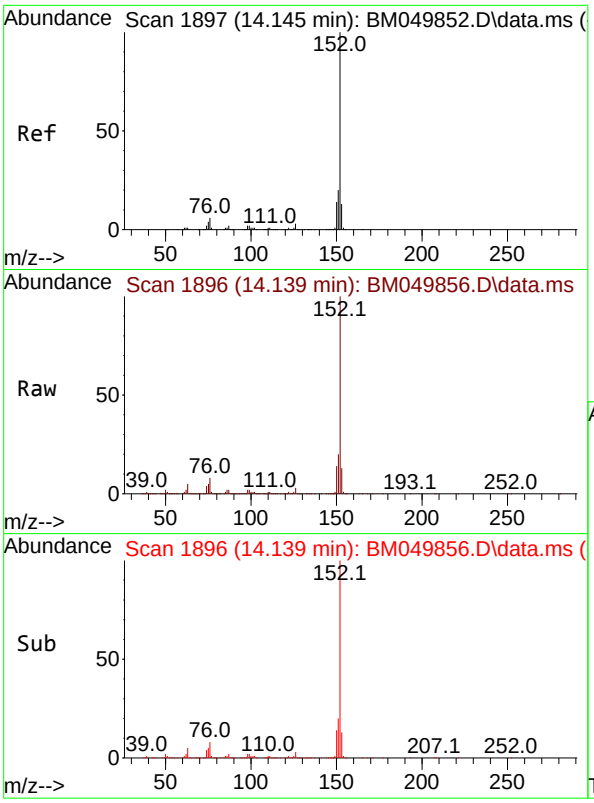


#48
2-Nitroaniline
Concen: 41.831 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion: 65 Resp: 386594

Ion	Ratio	Lower	Upper
65	100		
92	71.4	58.4	87.6
138	120.7	100.8	151.2



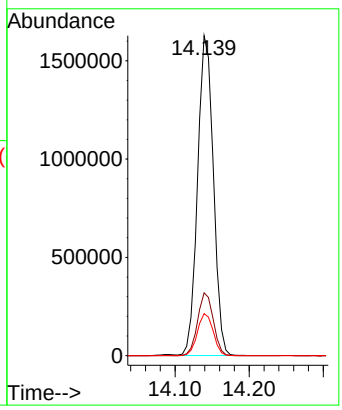


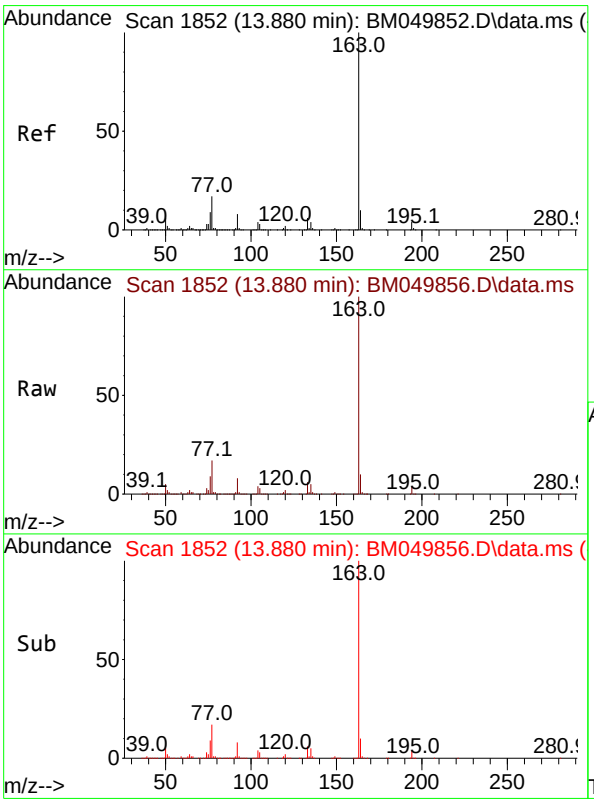
#49
Acenaphthylene
Concen: 41.321 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:152 Resp: 2404483

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.2	10.4	15.6

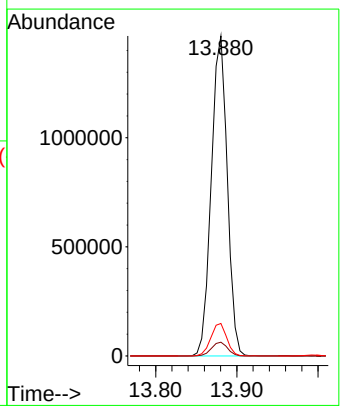


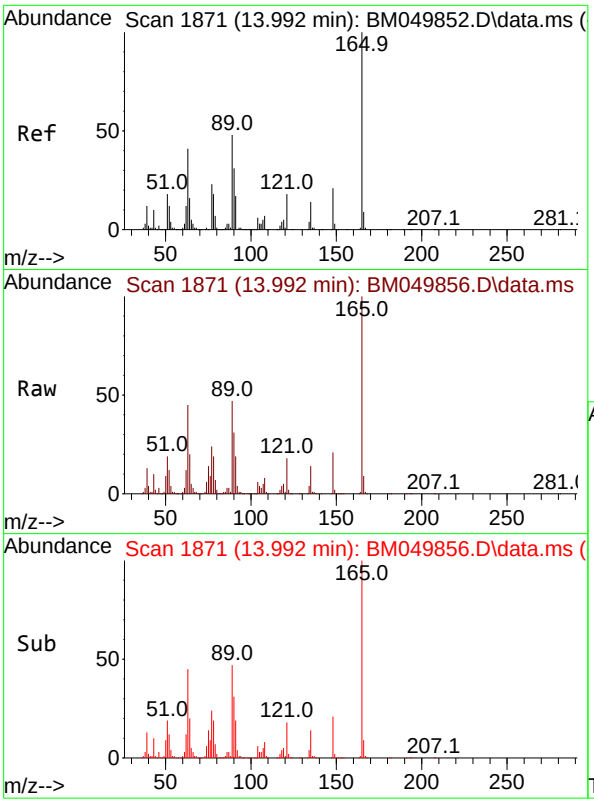


#50
Dimethylphthalate
Concen: 41.593 ng
RT: 13.880 min Scan# 1852
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:163 Resp: 2006252

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.2	7.9	11.9



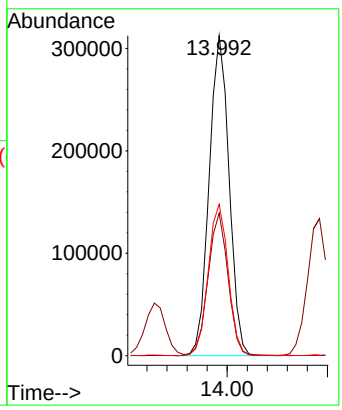


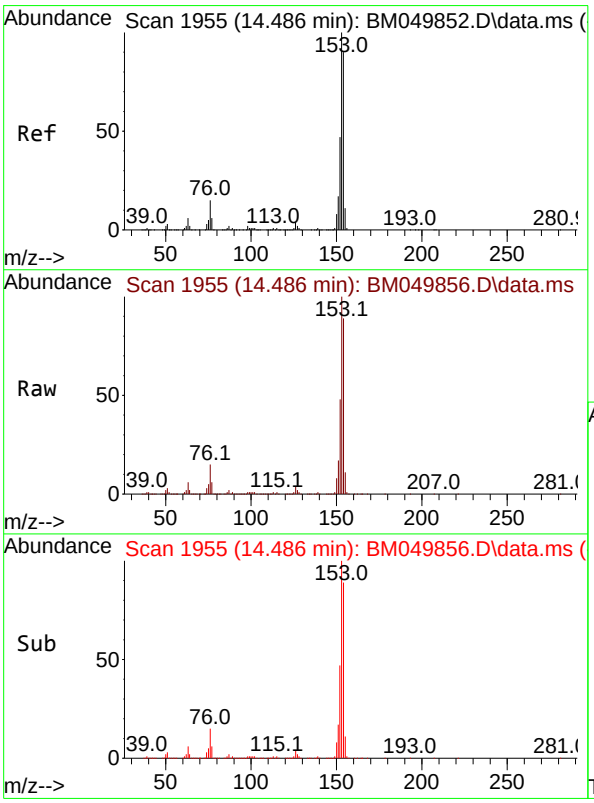
#51
2,6-Dinitrotoluene
Concen: 42.625 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:165 Resp: 430765

Ion	Ratio	Lower	Upper
165	100		
63	44.6	36.1	54.1
89	47.3	38.3	57.5

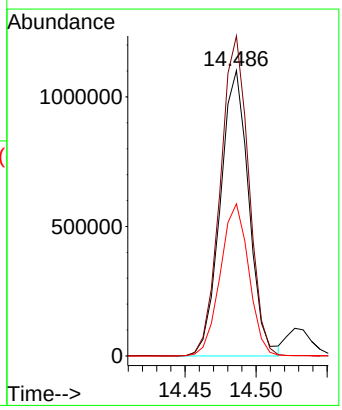


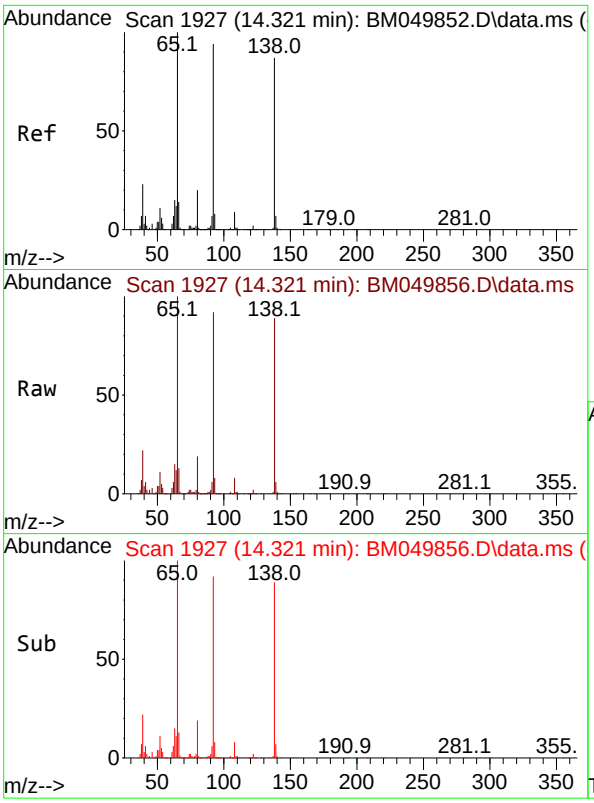


#52
Acenaphthene
Concen: 41.534 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:154 Resp: 1537342

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.3	133.9
152	53.3	42.2	63.2



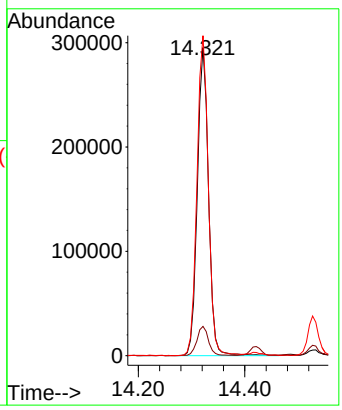


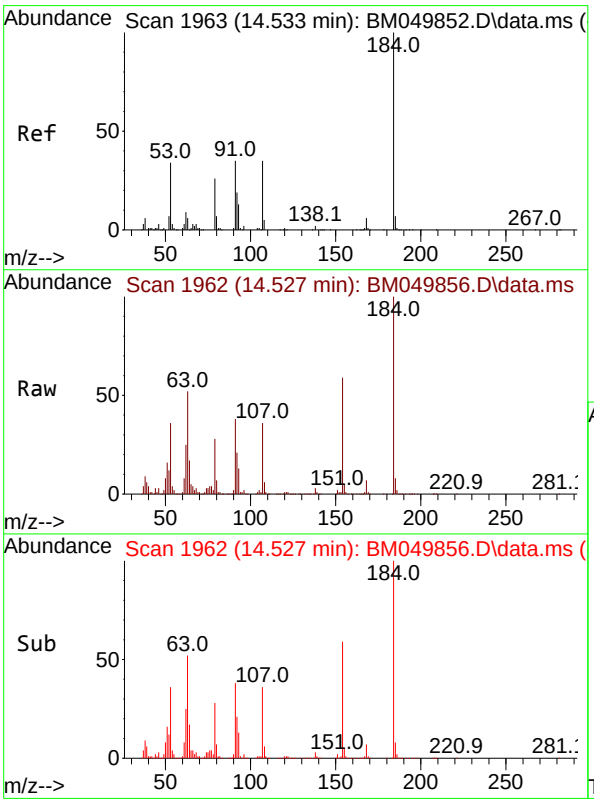
#53
3-Nitroaniline
Concen: 44.041 ng
RT: 14.321 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:138 Resp: 430166

Ion	Ratio	Lower	Upper
138	100		
108	9.5	8.1	12.1
92	103.9	86.5	129.7

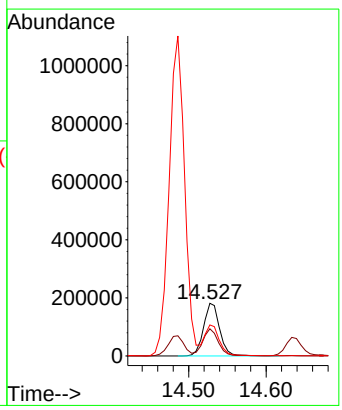


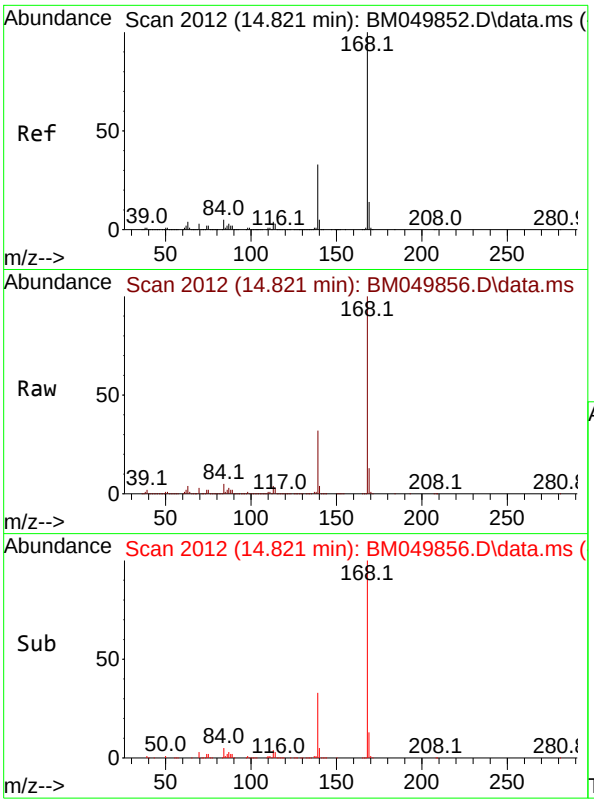


#54
2,4-Dinitrophenol
Concen: 39.689 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:184 Resp: 261179

Ion	Ratio	Lower	Upper
184	100		
63	51.8	38.4	57.6
154	59.0	48.1	72.1



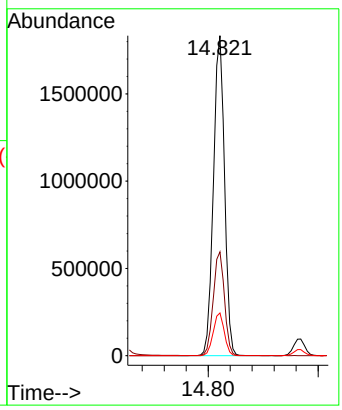


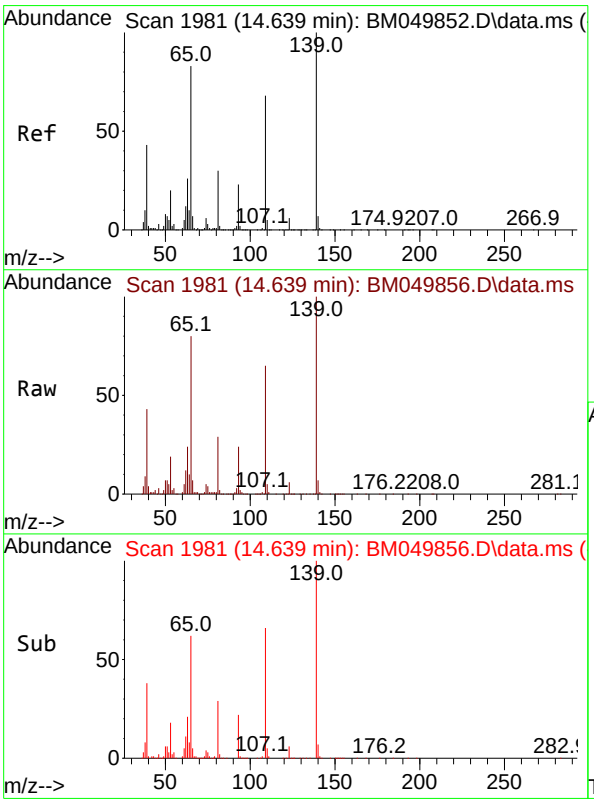
#55
Dibenzofuran
Concen: 41.581 ng
RT: 14.821 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:168 Resp: 2572884

Ion	Ratio	Lower	Upper
168	100		
139	32.5	26.6	39.8
169	13.4	11.0	16.4

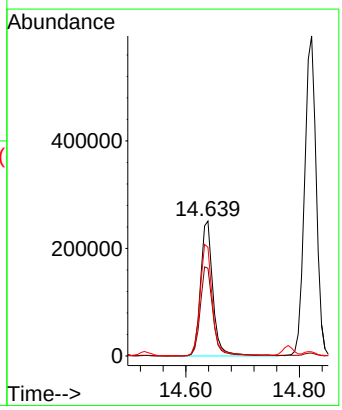


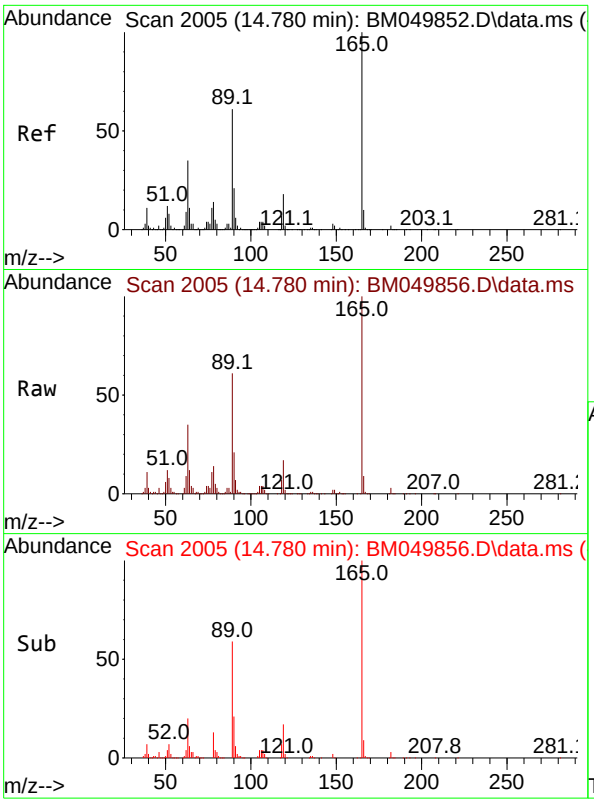


#56
4-Nitrophenol
Concen: 43.685 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:139 Resp: 380237

Ion	Ratio	Lower	Upper
139	100		
109	65.0	47.9	87.9
65	80.5	62.7	102.7



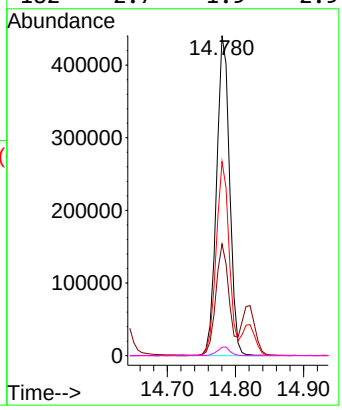


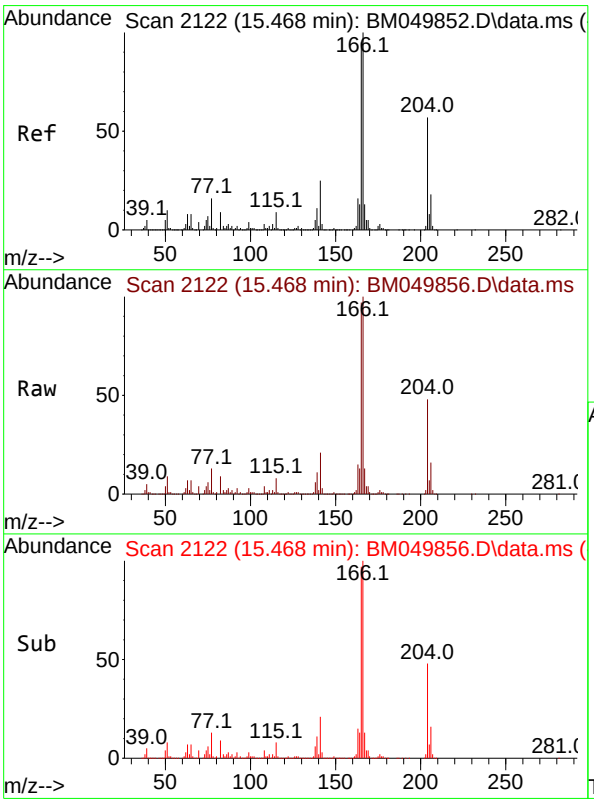
#57
2,4-Dinitrotoluene
Concen: 43.627 ng
RT: 14.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:165 Resp: 588187

Ion	Ratio	Lower	Upper
165	100		
63	34.9	28.6	42.8
89	60.6	49.0	73.6
182	2.7	1.9	2.9

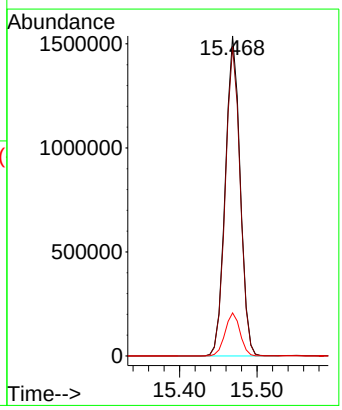


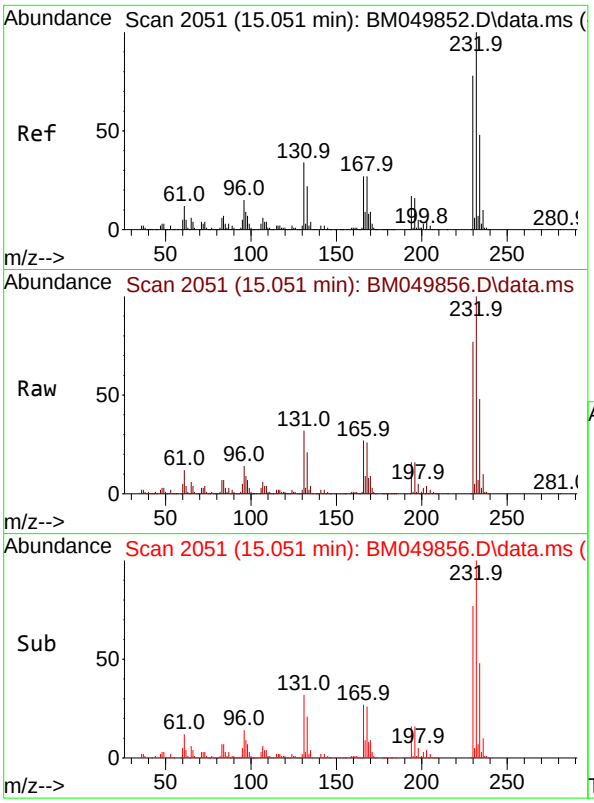


#58
Fluorene
Concen: 41.729 ng
RT: 15.468 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:166 Resp: 2052408

Ion	Ratio	Lower	Upper
166	100		
165	96.6	76.3	114.5
167	13.5	10.7	16.1



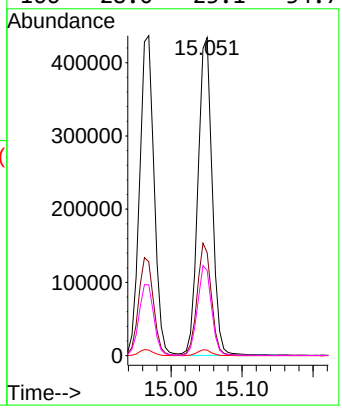


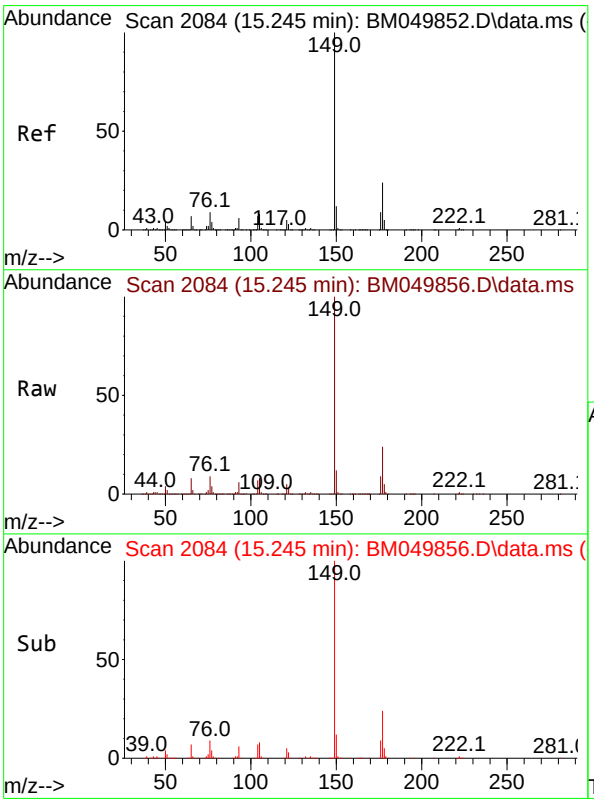
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.690 ng
RT: 15.051 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:232 Resp: 604398

Ion	Ratio	Lower	Upper
232	100		
131	35.1	28.4	42.6
130	1.9	1.6	2.4
166	28.0	23.1	34.7

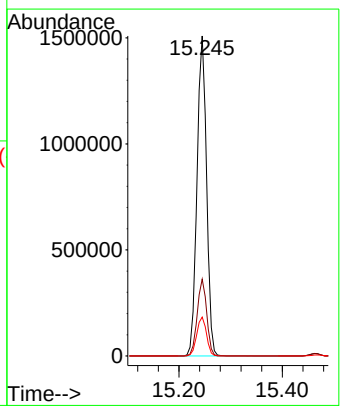


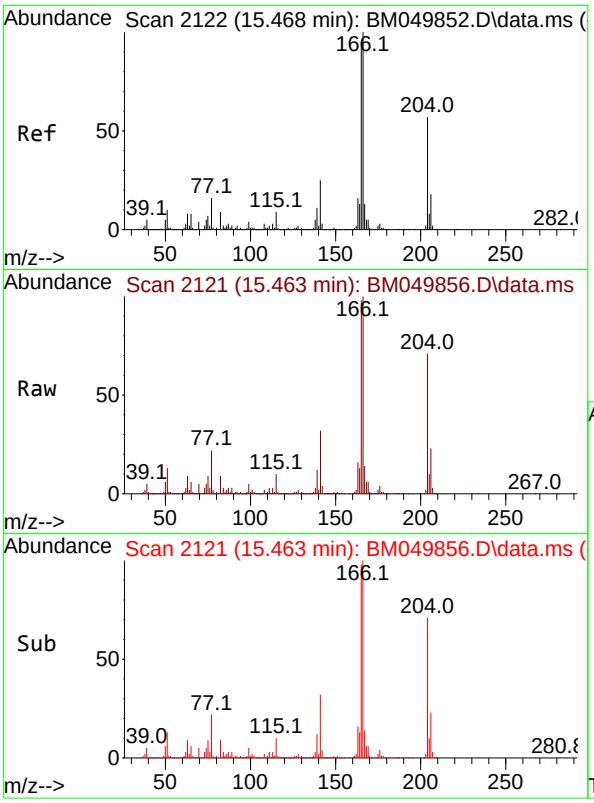


#60
Diethylphthalate
Concen: 41.839 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:149 Resp: 1935360

Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.0	28.4
150	12.2	9.7	14.5



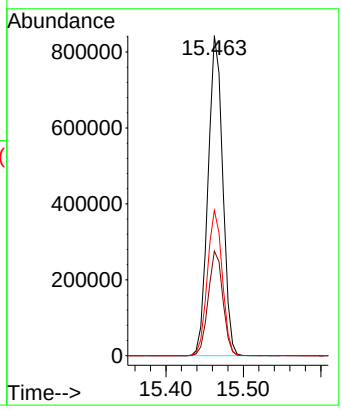


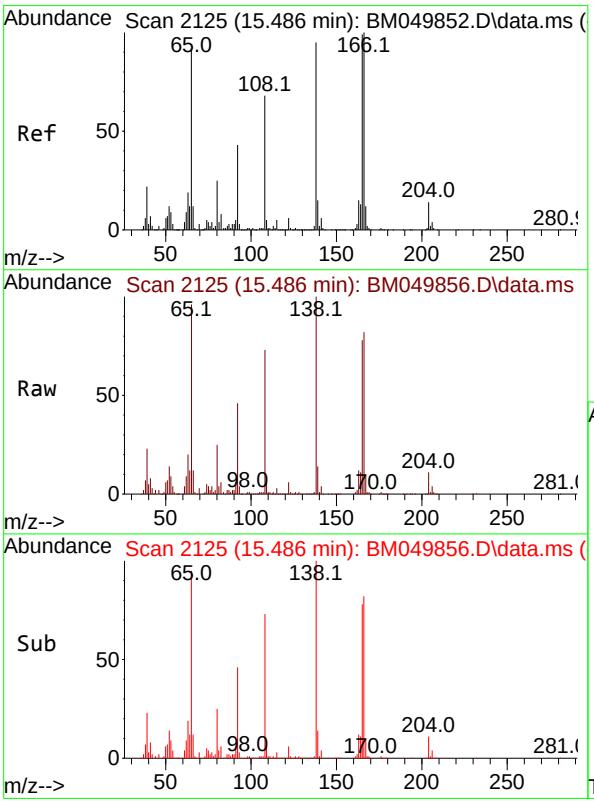
#61
4-Chlorophenyl-phenylether
Concen: 41.984 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:204 Resp: 1107114

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	45.4	35.0	52.6

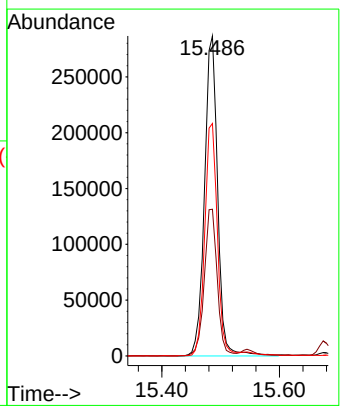


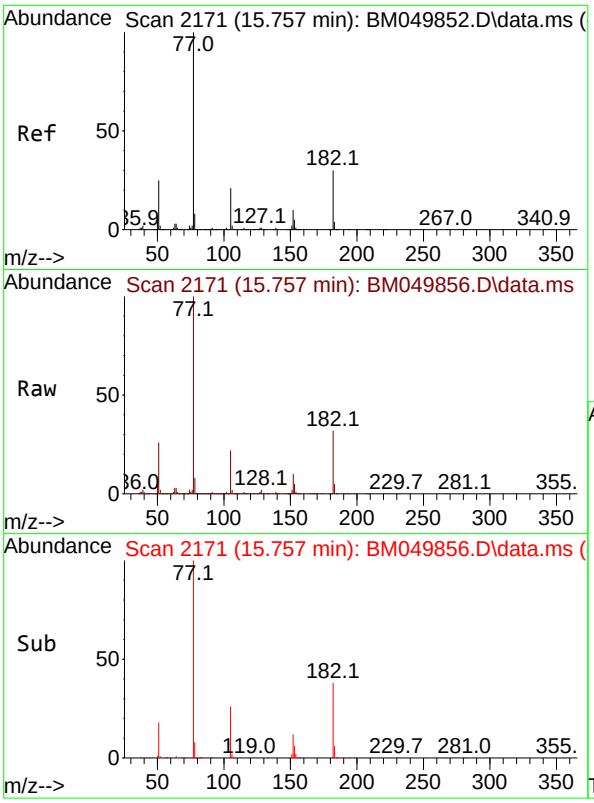


#62
4-Nitroaniline
Concen: 44.058 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:138 Resp: 445025

Ion	Ratio	Lower	Upper
138	100		
92	45.9	24.9	64.9
108	72.7	51.7	91.7



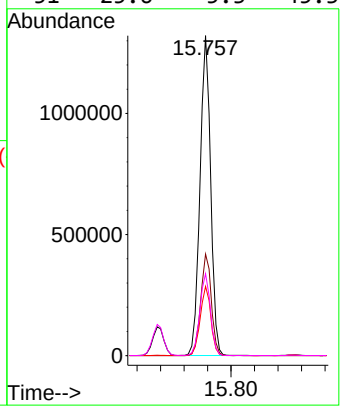


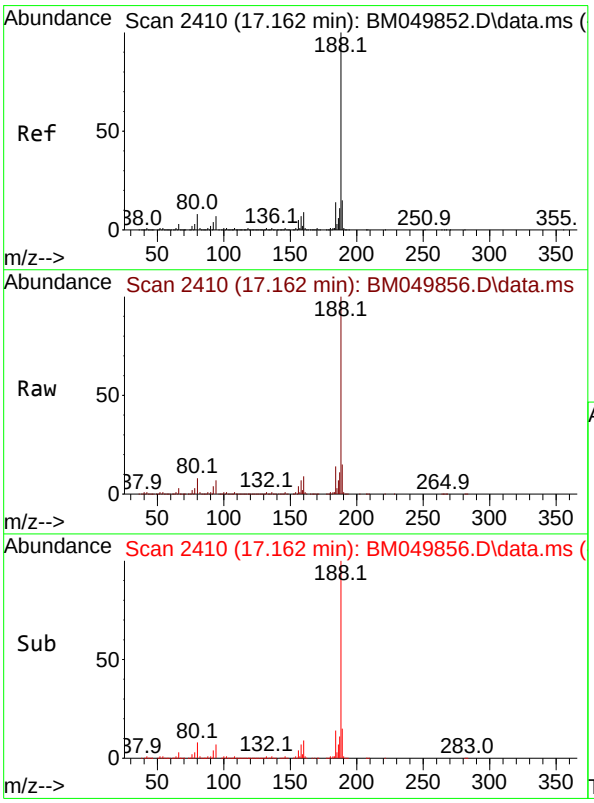
#63
Azobenzene
Concen: 41.869 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion: 77 Resp: 1658136

Ion	Ratio	Lower	Upper
77	100		
182	31.8	10.4	50.4
105	21.7	1.5	41.5
51	25.6	5.3	45.3

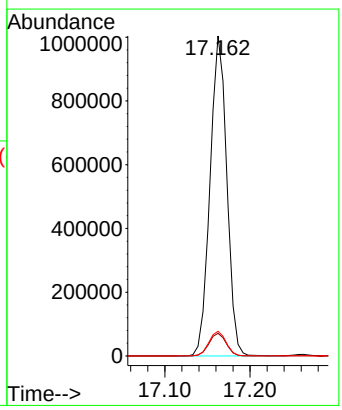


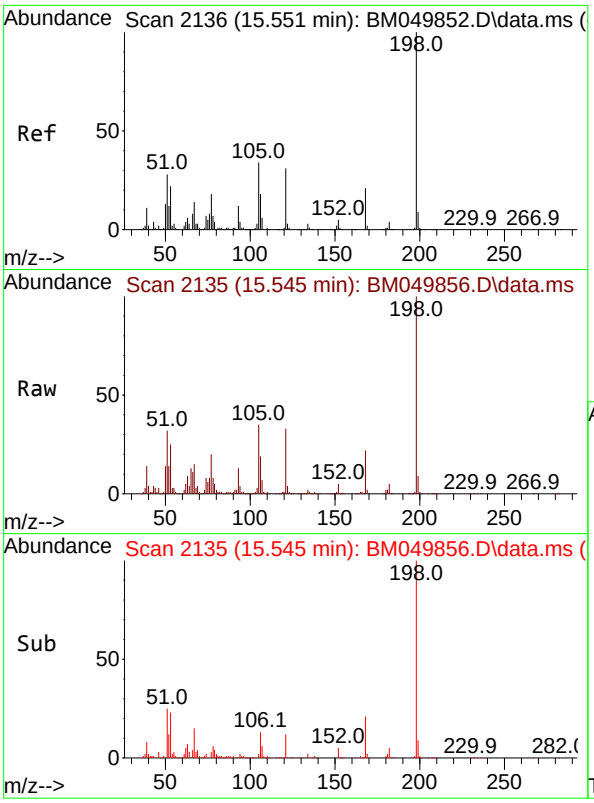


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:188 Resp: 1374499

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.8	8.6
80	7.7	6.4	9.6



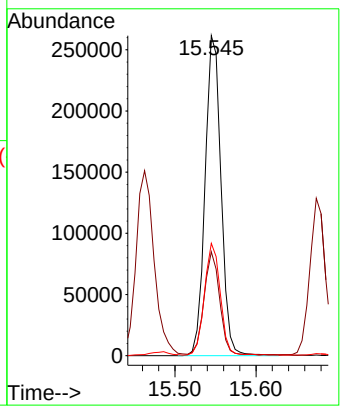


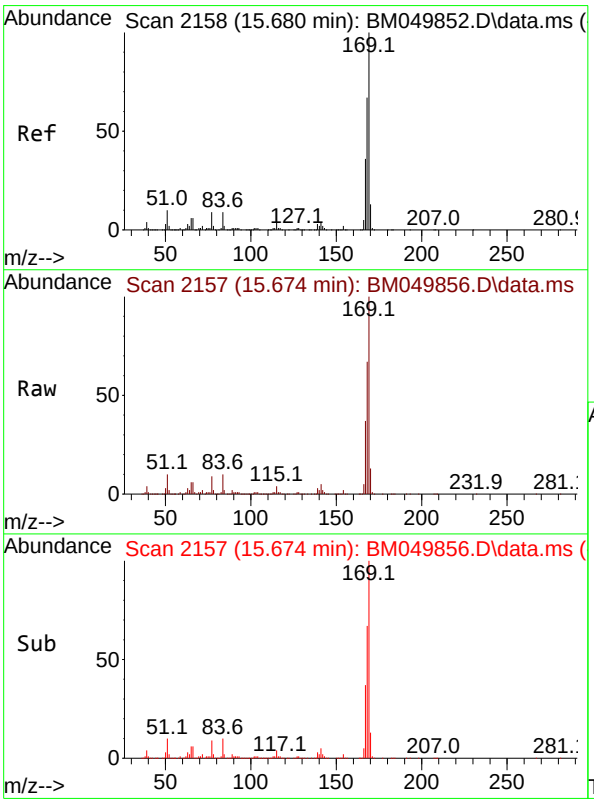
#65
4,6-Dinitro-2-methylphenol
Concen: 41.037 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:198 Resp: 355438

Ion	Ratio	Lower	Upper
198	100		
51	32.5	9.6	49.6
105	35.1	14.7	54.7

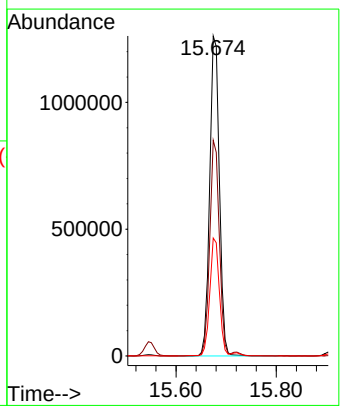


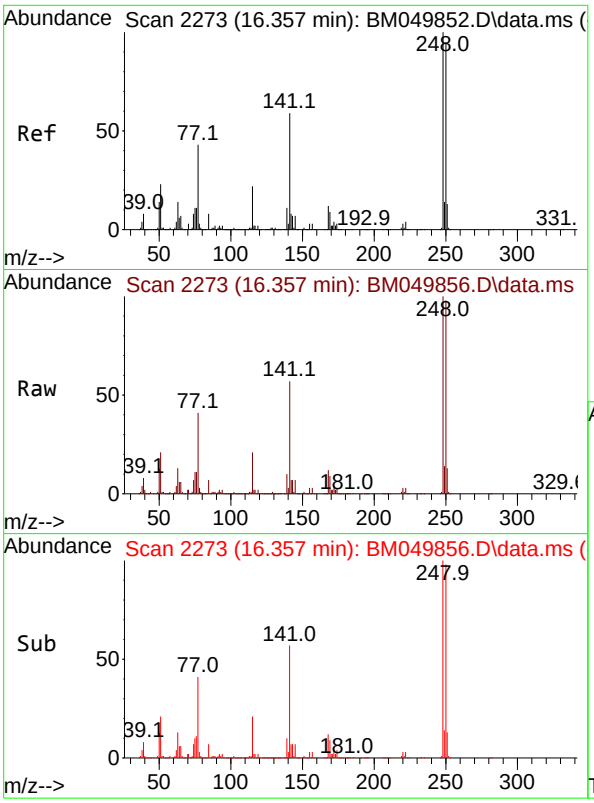


#66
n-Nitrosodiphenylamine
Concen: 41.081 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:169 Resp: 1689818

Ion	Ratio	Lower	Upper
169	100		
168	67.4	53.4	80.2
167	36.9	29.0	43.6



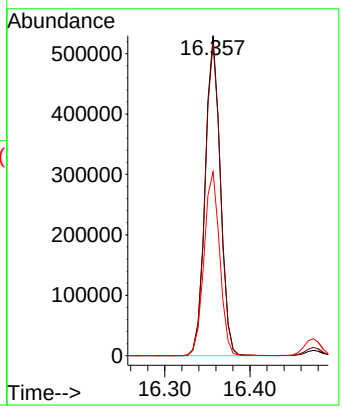


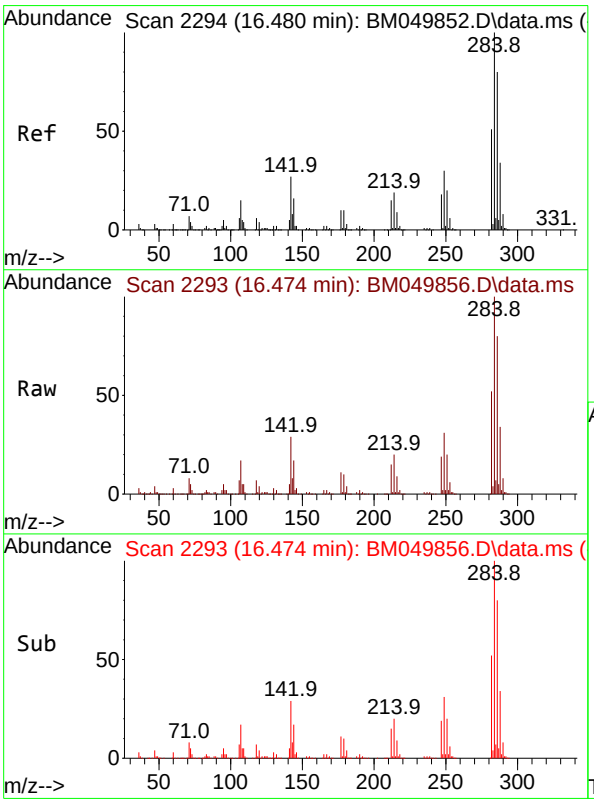
#67
4-Bromophenyl-phenylether
Concen: 41.024 ng
RT: 16.357 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:248 Resp: 654585

Ion	Ratio	Lower	Upper
248	100		
250	97.7	76.2	114.2
141	57.5	47.3	70.9

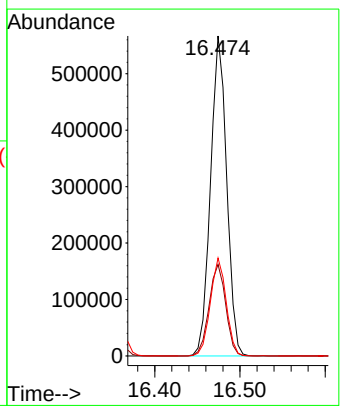


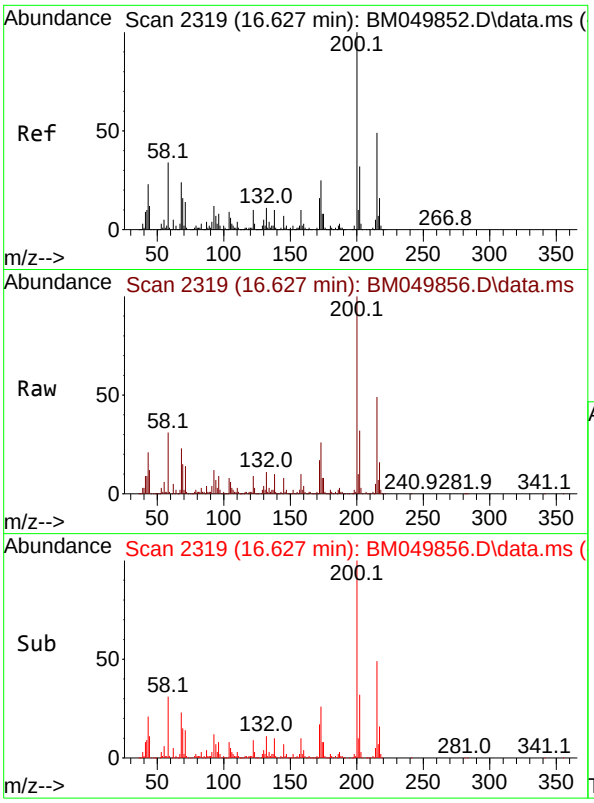


#68
Hexachlorobenzene
Concen: 40.782 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:284 Resp: 746406

Ion	Ratio	Lower	Upper
284	100		
142	28.6	21.2	31.8
249	30.6	24.1	36.1



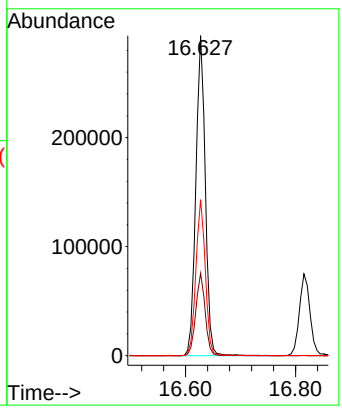


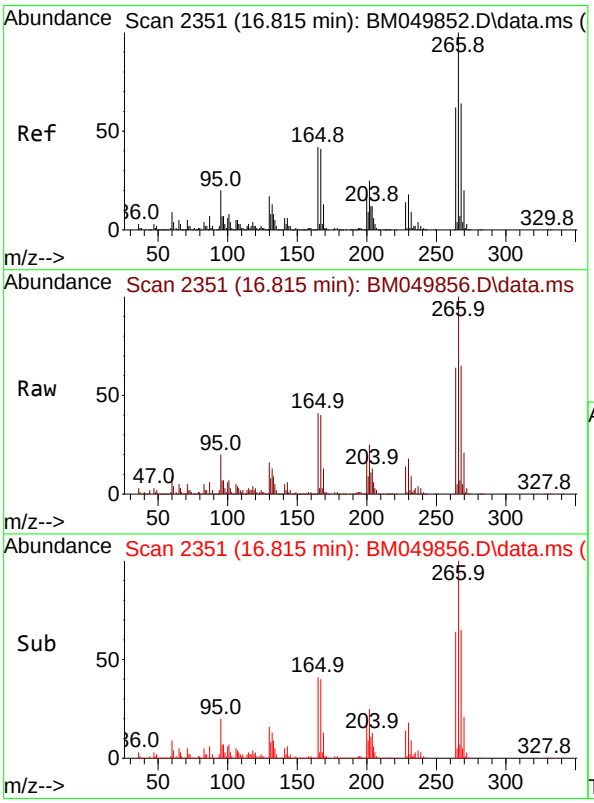
#69
Atrazine
Concen: 32.937 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:200 Resp: 351283

Ion	Ratio	Lower	Upper
200	100		
173	25.8	5.4	45.4
215	48.8	29.0	69.0

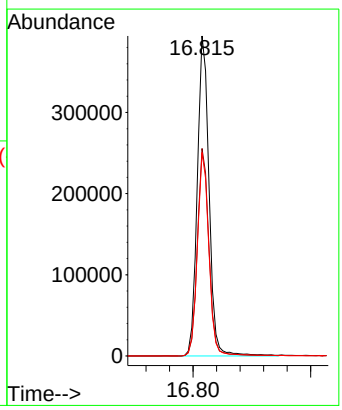


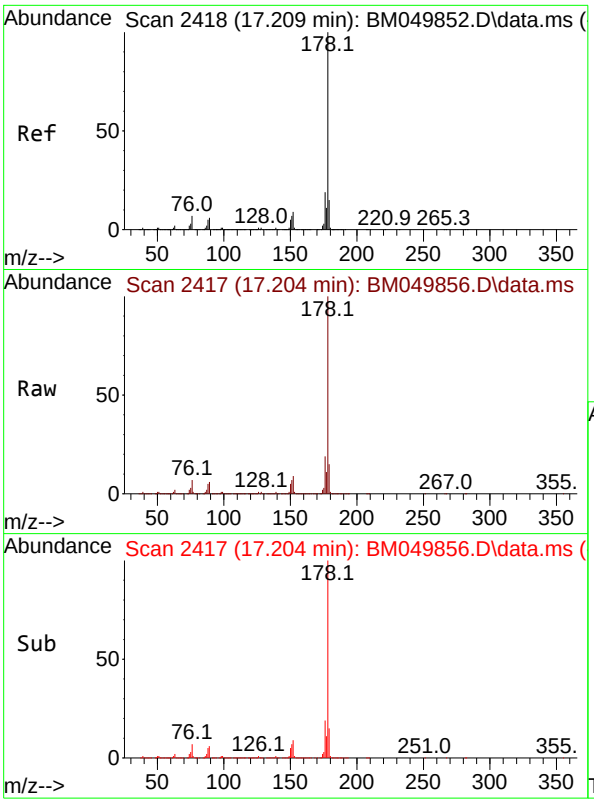


#70
Pentachlorophenol
Concen: 40.626 ng
RT: 16.815 min Scan# 2351
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:266 Resp: 547416

Ion	Ratio	Lower	Upper
266	100		
268	64.9	51.4	77.2
264	63.6	49.8	74.8



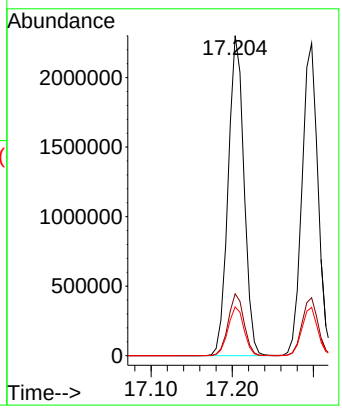


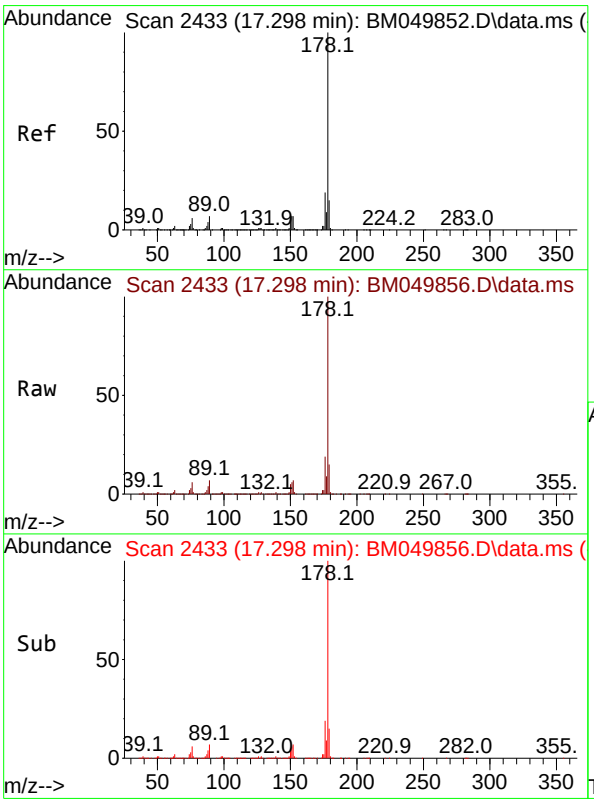
#71
Phenanthrene
Concen: 41.280 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:178 Resp: 3110670

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.2	12.3	18.5

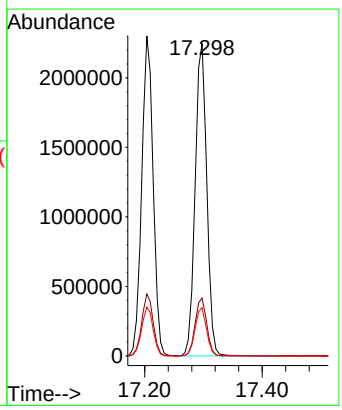


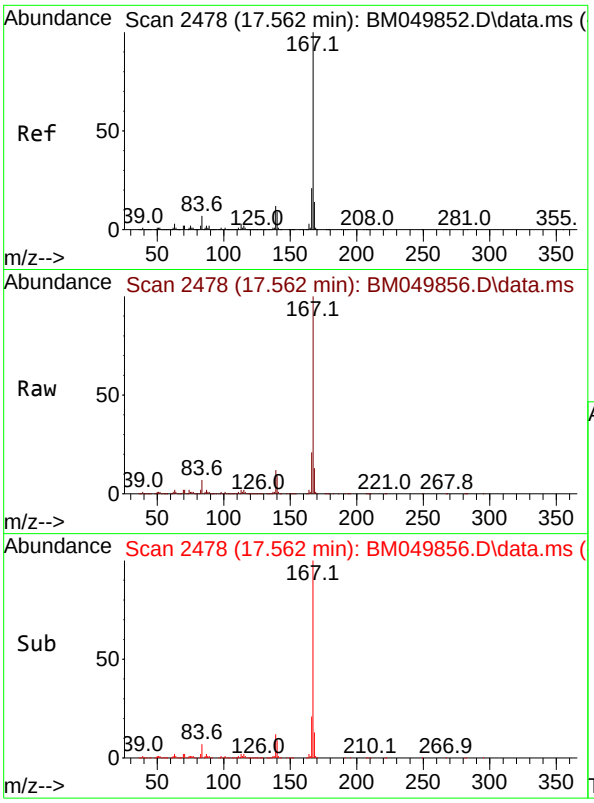


#72
Anthracene
Concen: 41.490 ng
RT: 17.298 min Scan# 2433
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:178 Resp: 3081134

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.4	12.4	18.6



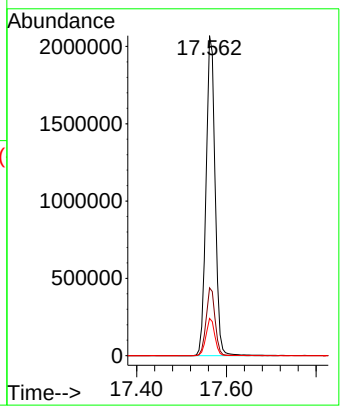


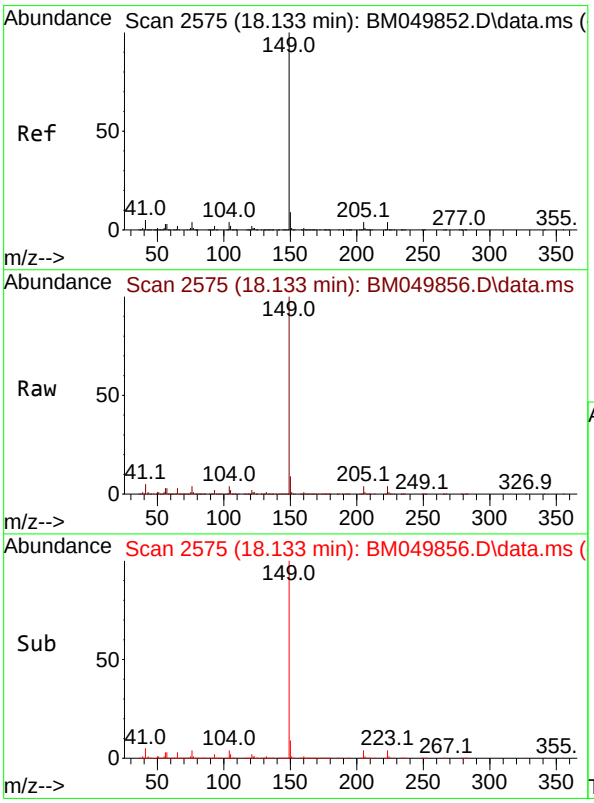
#73
Carbazole
Concen: 41.424 ng
RT: 17.562 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:167 Resp: 2897408

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.9	25.3
139	11.6	9.3	13.9

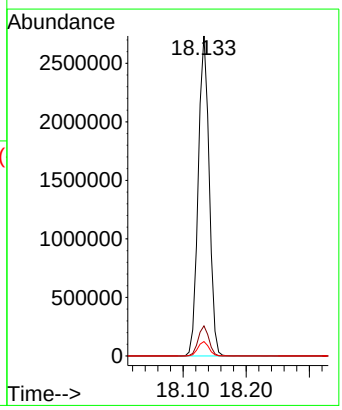


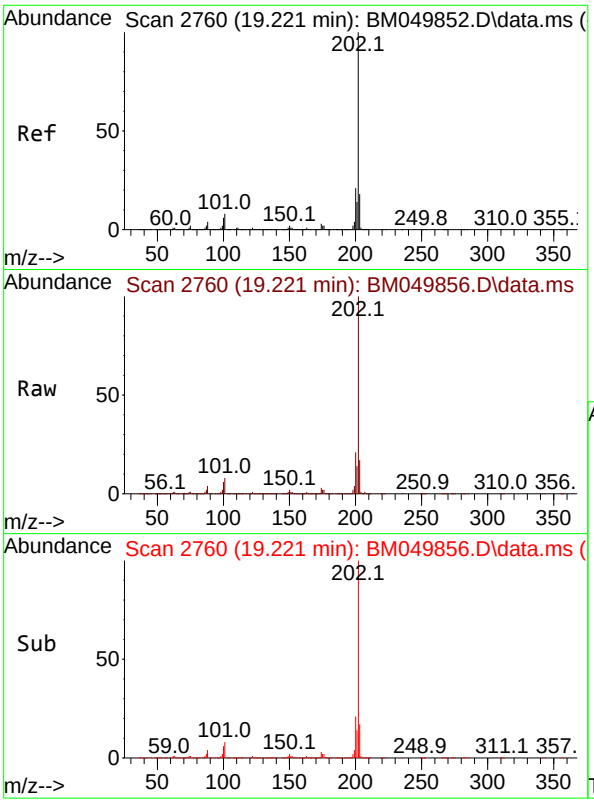


#74
Di-n-butylphthalate
Concen: 40.739 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:149 Resp: 3282090

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.5	3.5	5.3



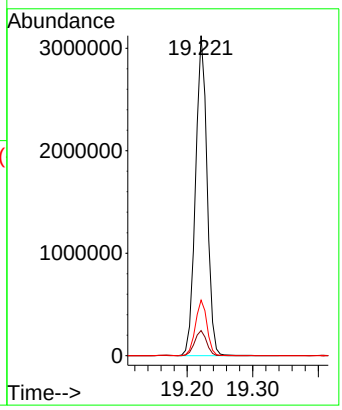


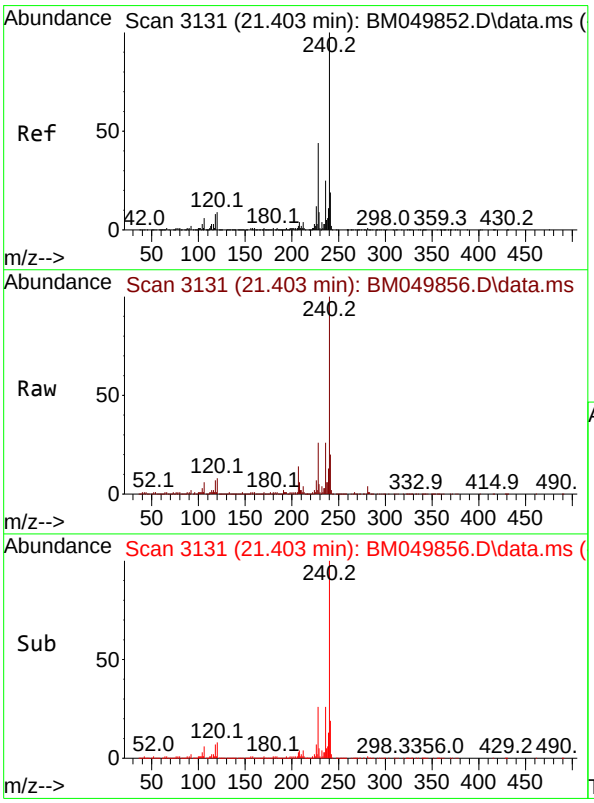
#75
Fluoranthene
Concen: 41.327 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:202 Resp: 3829085

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.4
203	17.4	0.0	37.8

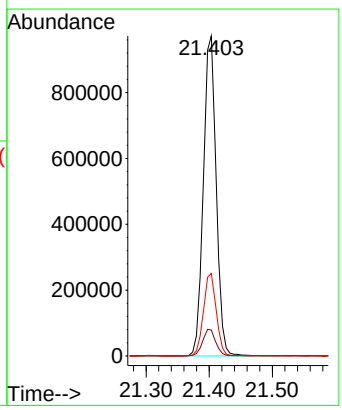


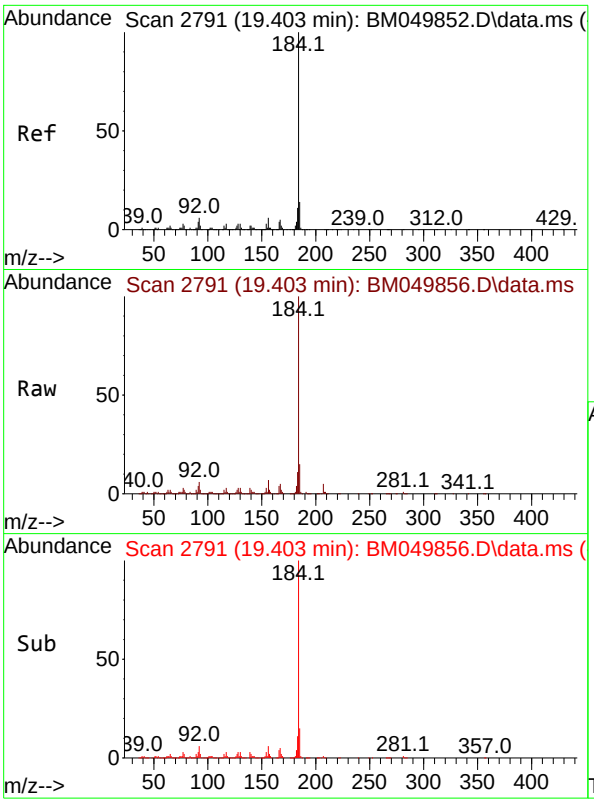


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.403 min Scan# 3131
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:240 Resp: 1374864

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.9	10.3
236	25.8	20.4	30.6



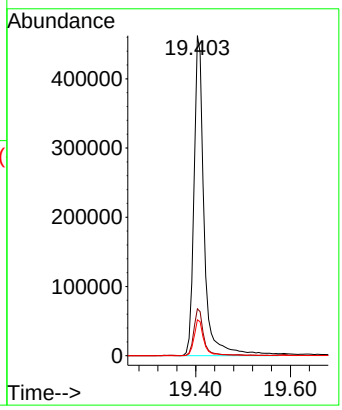


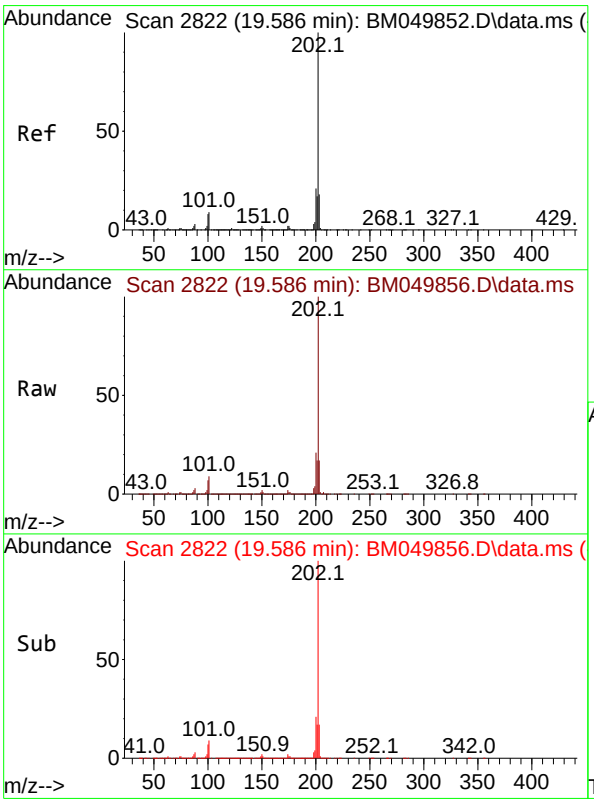
#77
Benzidine
Concen: 37.866 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:184 Resp: 690660

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.2
183	11.2	8.8	13.2

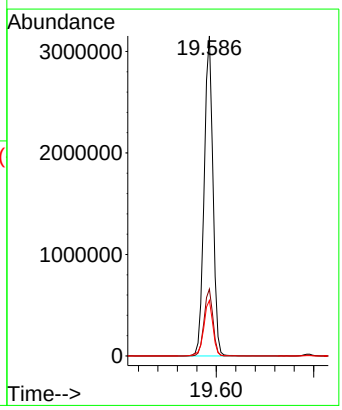


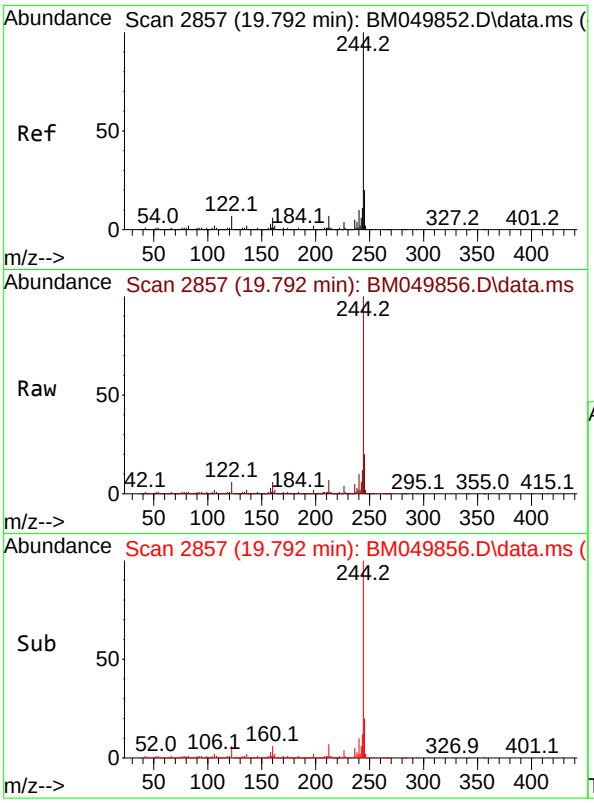


#78
Pyrene
Concen: 41.482 ng
RT: 19.586 min Scan# 2822
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:202 Resp: 3930574

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.5	24.7
203	17.3	14.0	21.0



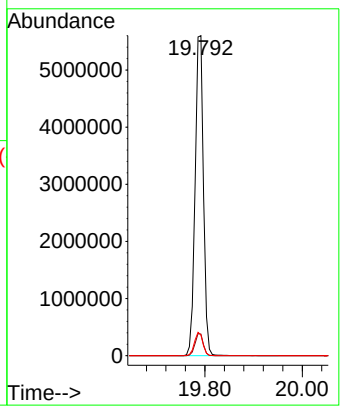


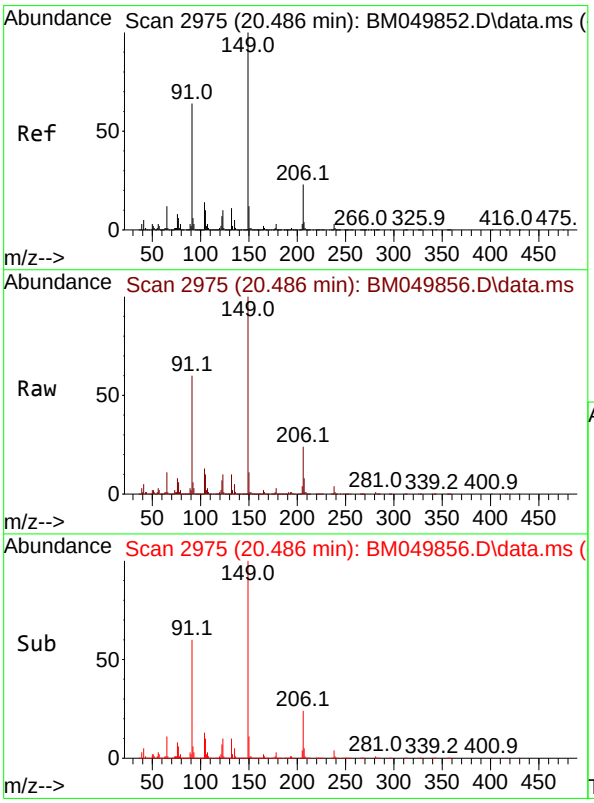
#79
Terphenyl-d14
Concen: 90.949 ng
RT: 19.792 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:244 Resp: 6672291

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.5	8.3
122	6.5	5.4	8.0

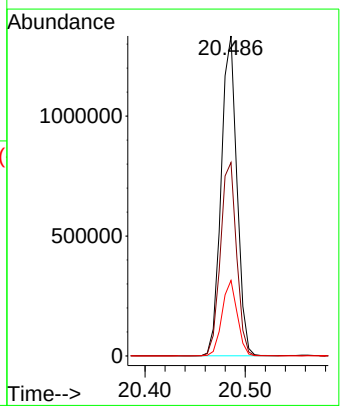


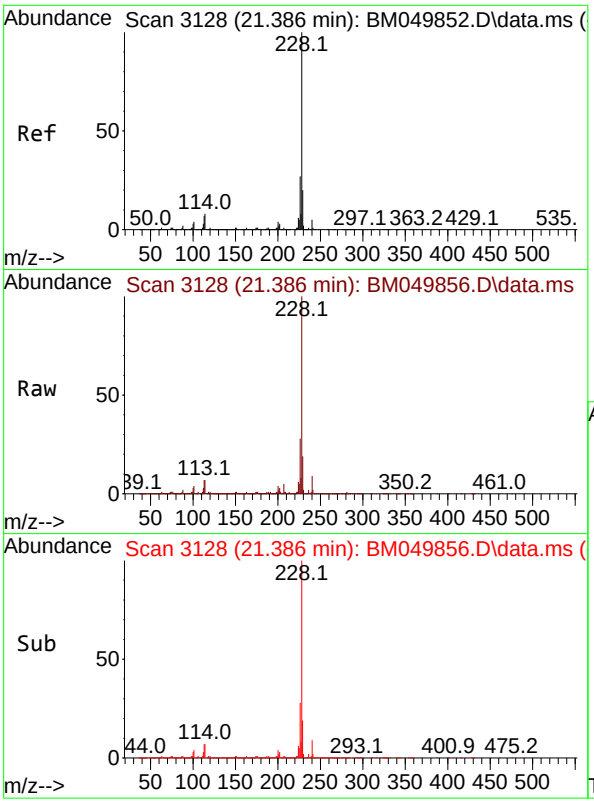


#80
Butylbenzylphthalate
Concen: 40.807 ng
RT: 20.486 min Scan# 2975
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:149 Resp: 1452887

Ion	Ratio	Lower	Upper
149	100		
91	60.4	50.9	76.3
206	23.6	18.4	27.6



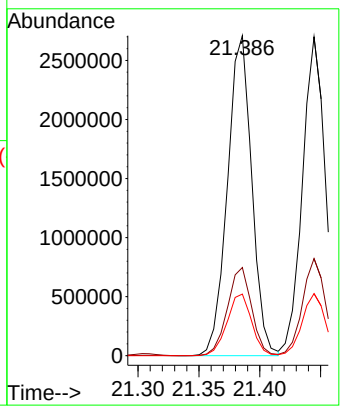


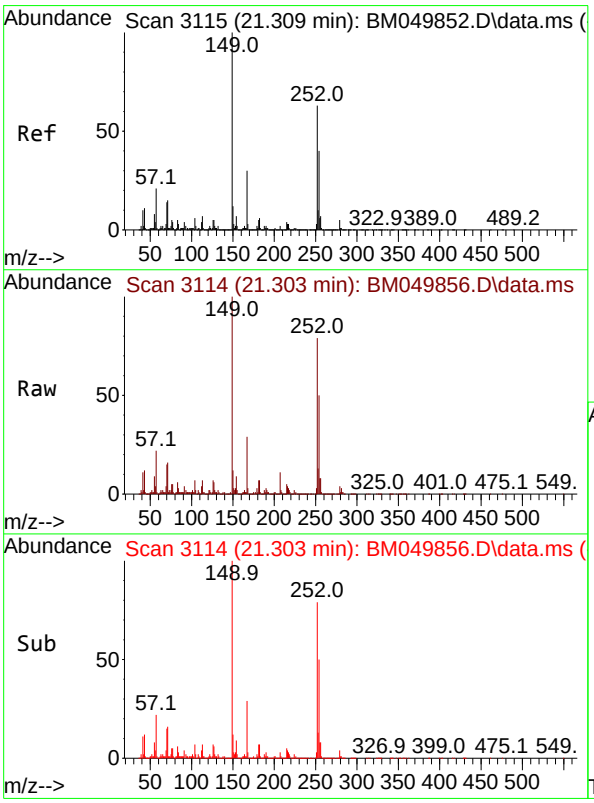
#81
Benzo(a)anthracene
Concen: 41.314 ng
RT: 21.386 min Scan# 3
Delta R.T. -0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:228 Resp: 3774940

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.8	32.8
229	19.3	15.8	23.8

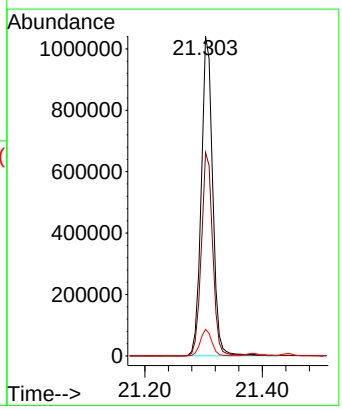


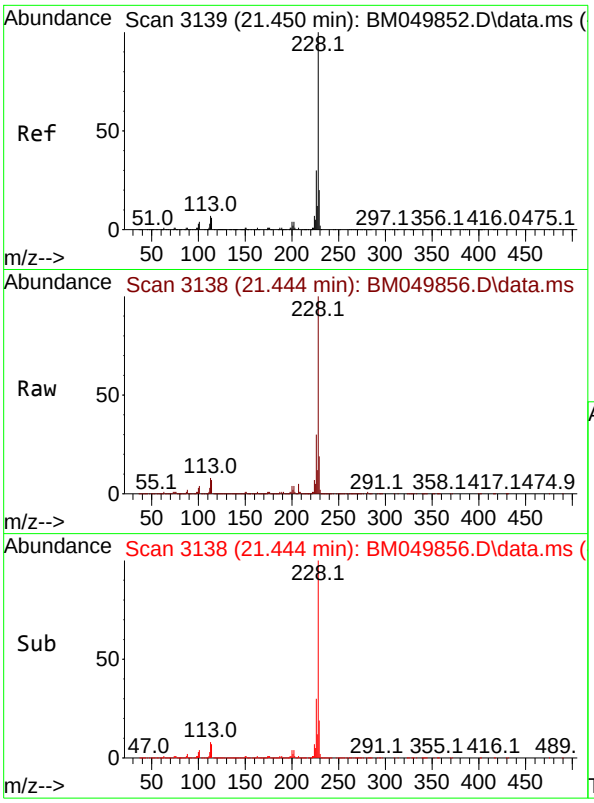


#82
3,3'-Dichlorobenzidine
Concen: 40.707 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:252 Resp: 1404639

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.5	77.3
126	8.3	6.3	9.5



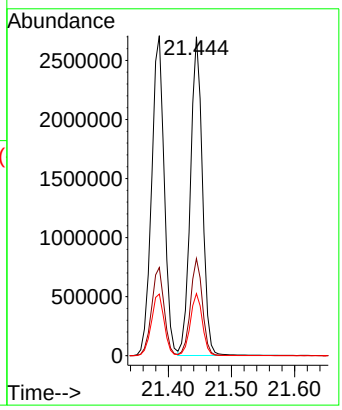


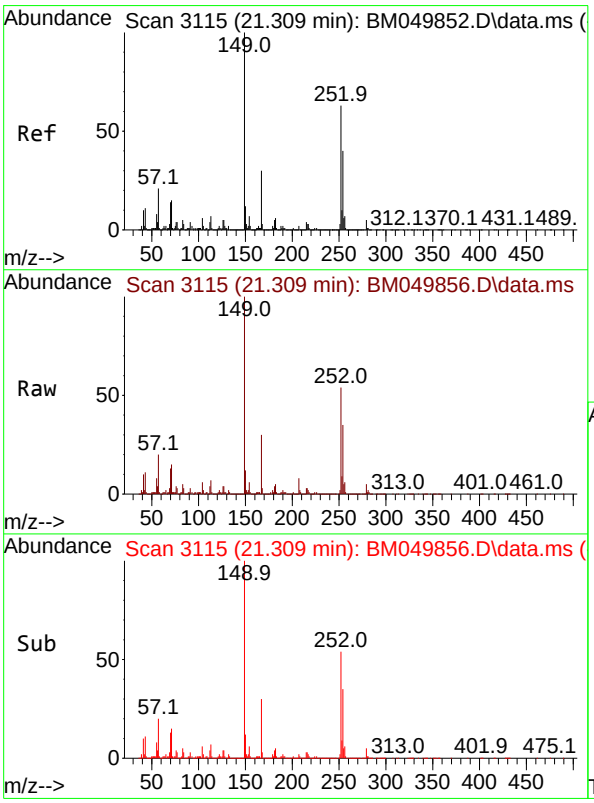
#83
Chrysene
Concen: 41.037 ng
RT: 21.444 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:228 Resp: 3564842

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.1	36.1
229	19.5	15.8	23.6

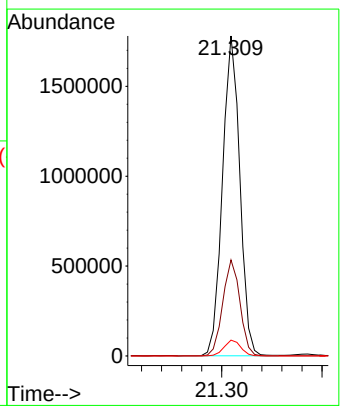


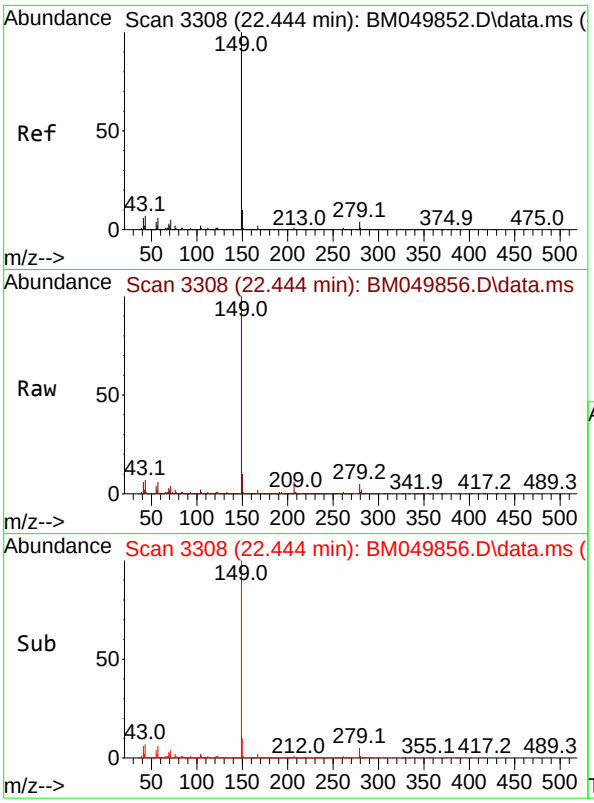


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.067 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:149 Resp: 2130265

Ion	Ratio	Lower	Upper
149	100		
167	30.0	23.8	35.6
279	5.0	3.8	5.8



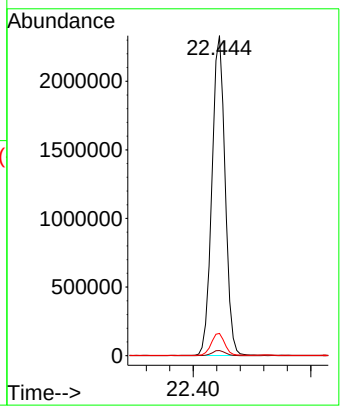


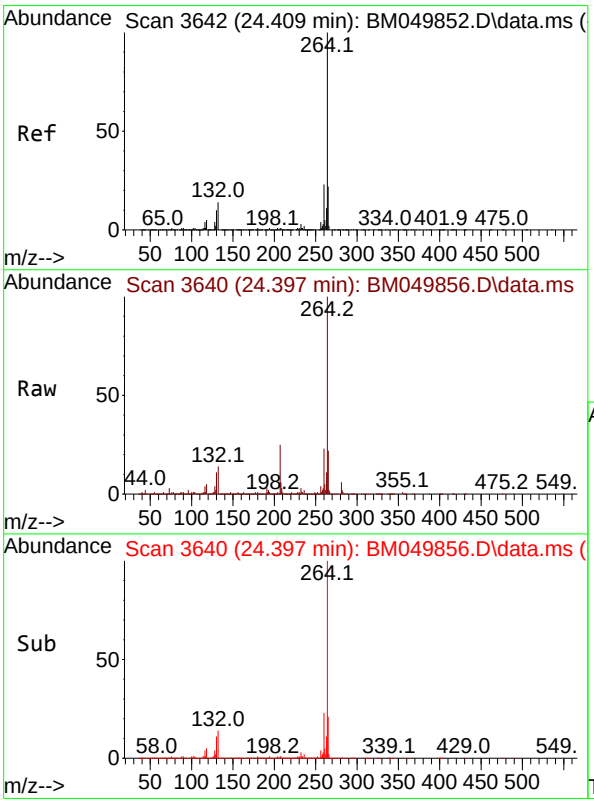
#85
Di-n-octyl phthalate
Concen: 39.835 ng
RT: 22.444 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:149 Resp: 3614929

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.1	5.8	8.6

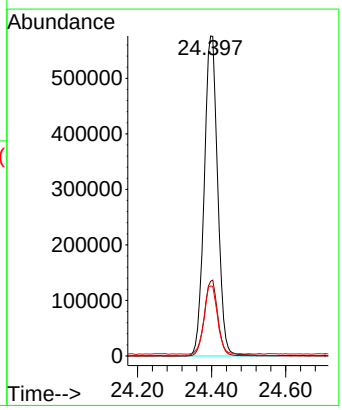


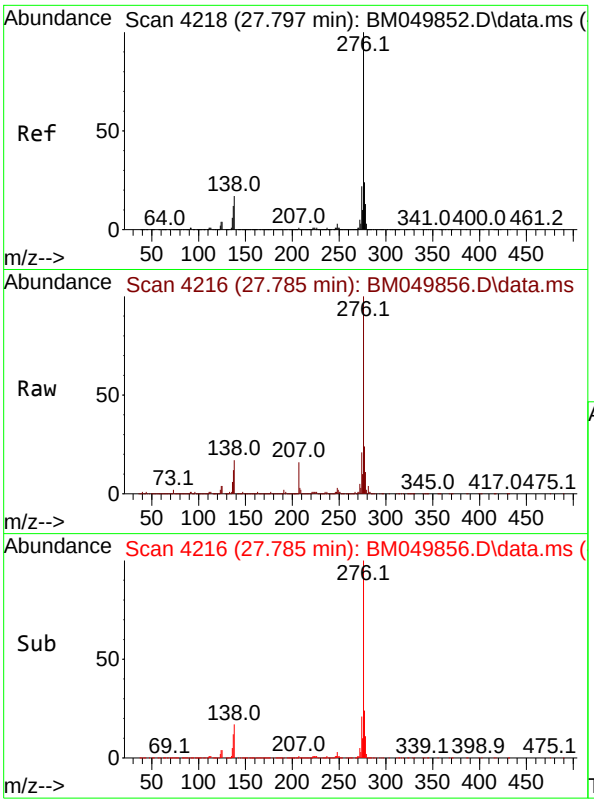


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.012 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:264 Resp: 1454417

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.9	17.8	26.8



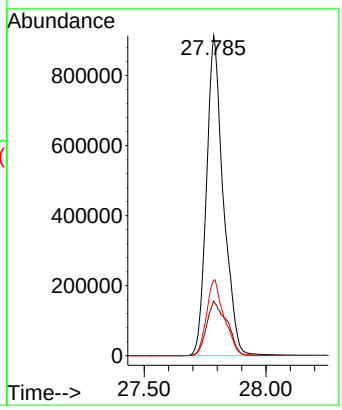


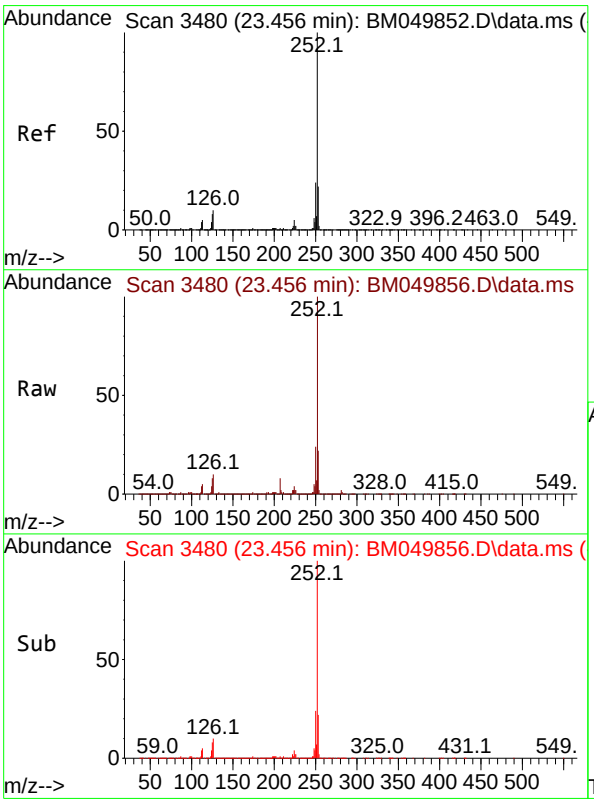
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.380 ng
RT: 27.785 min Scan# 4
Delta R.T. -0.012 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:276 Resp: 4377775

Ion	Ratio	Lower	Upper
276	100		
138	20.7	16.8	25.2
277	25.0	20.1	30.1

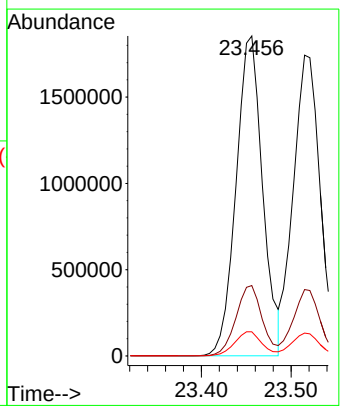


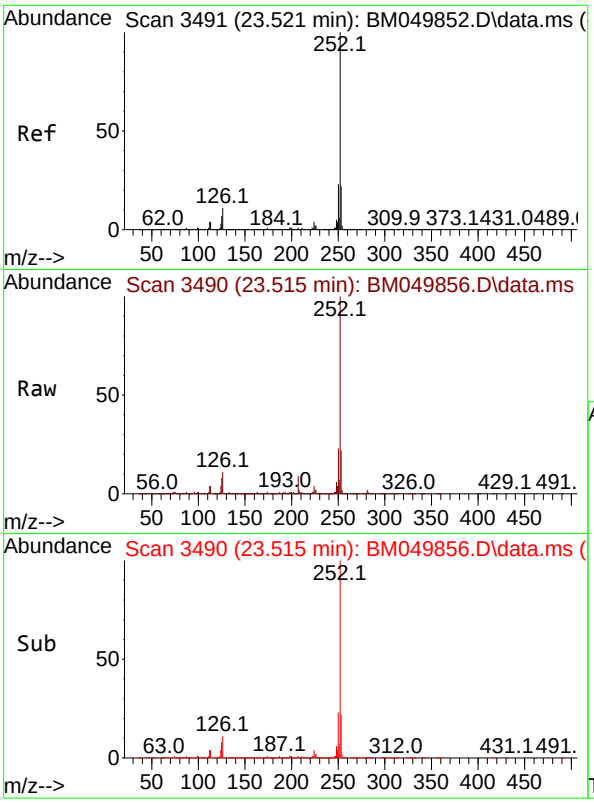


#88
Benzo(b)fluoranthene
Concen: 40.988 ng
RT: 23.456 min Scan# 3480
Delta R.T. 0.000 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:252 Resp: 3807278

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	7.6	6.2	9.4



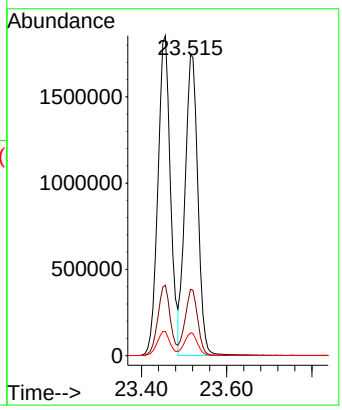


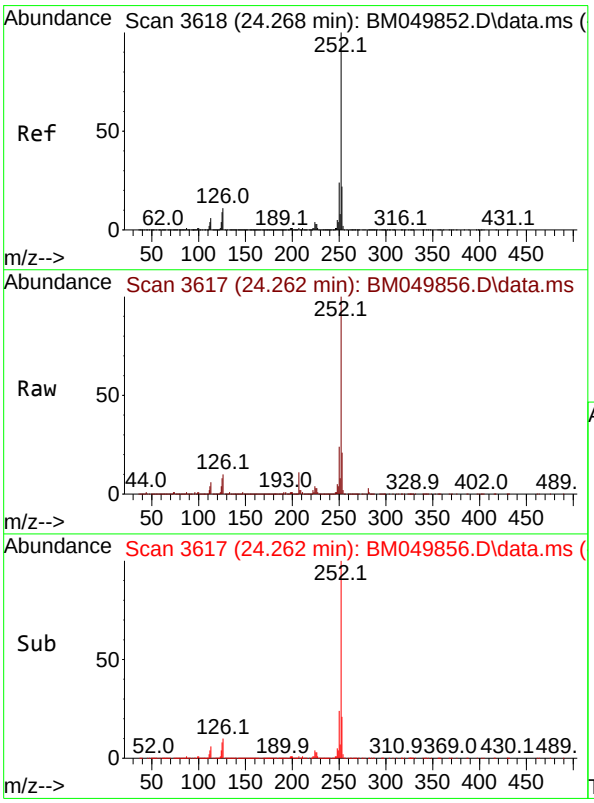
#89
Benzo(k)fluoranthene
Concen: 40.442 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:252 Resp: 3640395

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	7.6	5.8	8.8

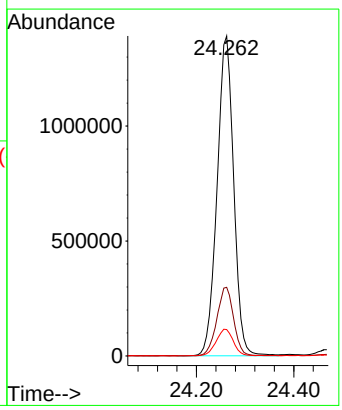


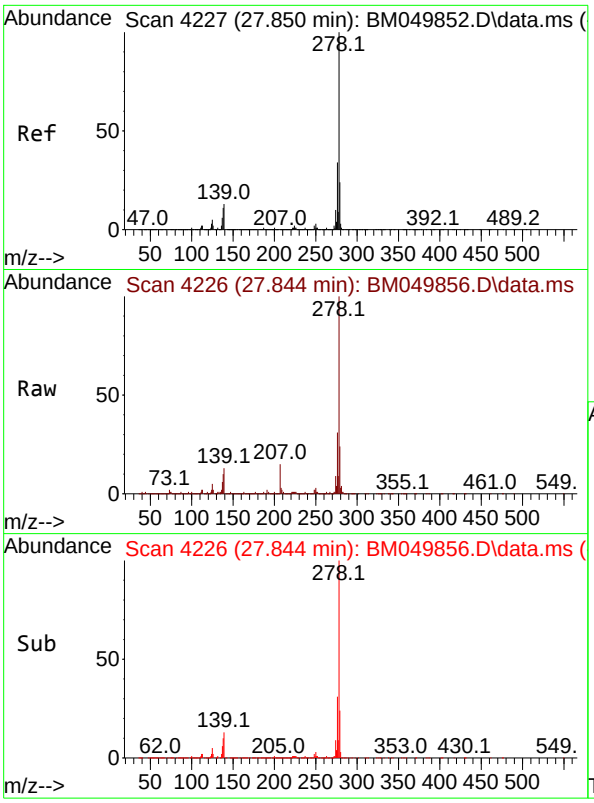


#90
Benzo(a)pyrene
Concen: 40.389 ng
RT: 24.262 min Scan# 3617
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:252 Resp: 3296735

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	8.3	7.0	10.4



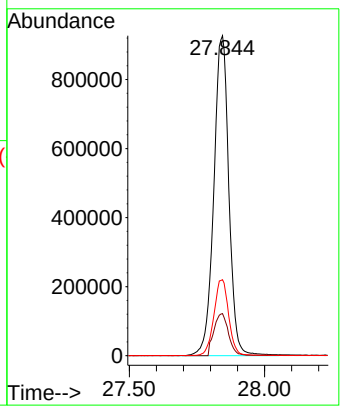


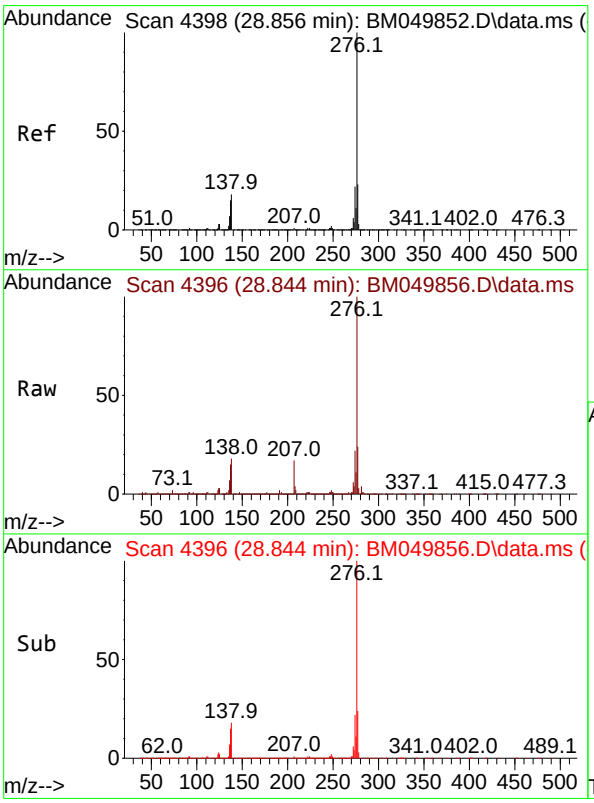
#91
Dibenzo(a,h)anthracene
Concen: 40.189 ng
RT: 27.844 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Tgt Ion:278 Resp: 3588859

Ion	Ratio	Lower	Upper
278	100		
139	13.2	10.6	15.8
279	23.7	19.1	28.7

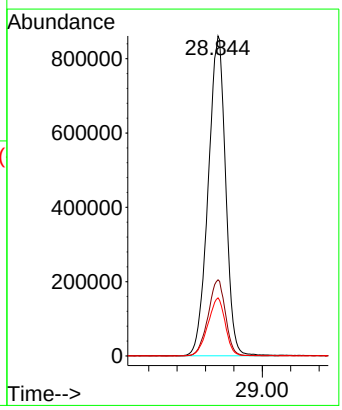




#92
Benzo(g,h,i)perylene
Concen: 40.085 ng
RT: 28.844 min Scan# 4396
Delta R.T. -0.012 min
Lab File: BM049856.D
Acq: 08 Apr 2025 20:47

Tgt Ion:276 Resp: 3657794

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	18.2	14.6	21.8



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	0.485	0.474	2.3	101	0.00
3		Pyridine	1.274	1.250	1.9	101	0.00
4		n-Nitrosodimethylamine	0.485	0.479	1.2	102	0.00
5	S	2-Fluorophenol	1.178	1.171	0.6	103	0.00
6		Aniline	1.256	1.307	-4.1	103	0.00
7	S	Phenol-d6	1.465	1.461	0.3	102	0.00
8		2-Chlorophenol	1.207	1.203	0.3	103	0.00
9		Benzaldehyde	0.752	0.759	-0.9	106	0.00
10	C	Phenol	1.430	1.420	0.7	103	0.00
11		bis(2-Chloroethyl)ether	1.121	1.118	0.3	103	0.00
12		1,3-Dichlorobenzene	1.427	1.423	0.3	103	0.00
13	C	1,4-Dichlorobenzene	1.436	1.424	0.8	102	0.00
14		1,2-Dichlorobenzene	1.352	1.356	-0.3	103	0.00
15		Benzyl Alcohol	0.923	0.929	-0.7	102	0.00
16		2,2'-oxybis(1-Chloropropane	1.250	1.249	0.1	103	0.00
17		2-Methylphenol	0.881	0.883	-0.2	103	0.00
18		Hexachloroethane	0.500	0.496	0.8	103	0.00
19	P	n-Nitroso-di-n-propylamine	0.812	0.833	-2.6	104	0.00
20		3+4-Methylphenols	1.201	1.205	-0.3	103	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	104	0.00
22		Acetophenone	0.486	0.500	-2.9	104	0.00
23	S	Nitrobenzene-d5	0.359	0.371	-3.3	105	0.00
24		Nitrobenzene	0.346	0.352	-1.7	103	0.00
25		Isophorone	0.602	0.619	-2.8	104	0.00
26	C	2-Nitrophenol	0.183	0.190	-3.8	104	0.00
27		2,4-Dimethylphenol	0.208	0.213	-2.4	104	0.00
28		bis(2-Chloroethoxy)methane	0.403	0.412	-2.2	104	0.00
29	C	2,4-Dichlorophenol	0.345	0.356	-3.2	105	0.00
30		1,2,4-Trichlorobenzene	0.399	0.404	-1.3	104	0.00
31		Naphthalene	1.028	1.043	-1.5	104	0.00
32		Benzoic acid	0.220	0.258	-17.3	116	0.01
33		4-Chloroaniline	0.363	0.383	-5.5	104	0.00
34	C	Hexachlorobutadiene	0.247	0.251	-1.6	105	0.00
35		Caprolactam	0.099	0.103	-4.0	105	0.00
36	C	4-Chloro-3-methylphenol	0.302	0.315	-4.3	106	0.00
37		2-Methylnaphthalene	0.724	0.745	-2.9	105	0.00
38		1-Methylnaphthalene	0.705	0.721	-2.3	105	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	0.700	0.712	-1.7	107	0.00
41	P	Hexachlorocyclopentadiene	0.245	0.255	-4.1	102	0.00
42	S	2,4,6-Tribromophenol	0.291	0.304	-4.5	110	0.00
43	C	2,4,6-Trichlorophenol	0.445	0.460	-3.4	106	0.00
44		2,4,5-Trichlorophenol	0.484	0.501	-3.5	106	0.00
45	S	2-Fluorobiphenyl	1.475	1.517	-2.8	106	0.00
46		1,1'-Biphenyl	1.487	1.527	-2.7	106	0.00
47		2-Chloronaphthalene	1.169	1.190	-1.8	106	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	0.270	0.283	-4.8	106	0.00
49		Acenaphthylene	1.702	1.758	-3.3	107	0.00
50		Dimethylphthalate	1.411	1.467	-4.0	108	0.00
51		2,6-Dinitrotoluene	0.296	0.315	-6.4	108	0.00
52	C	Acenaphthene	1.083	1.124	-3.8	107	0.00
53		3-Nitroaniline	0.286	0.315	-10.1	108	0.00
54	P	2,4-Dinitrophenol	0.175	0.191	-9.1	110	0.00
55		Dibenzofuran	1.810	1.882	-4.0	108	0.00
56	P	4-Nitrophenol	0.255	0.278	-9.0	109	0.00
57		2,4-Dinitrotoluene	0.394	0.430	-9.1	108	0.00
58		Fluorene	1.439	1.501	-4.3	108	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.442	-4.2	110	0.00
60		Diethylphthalate	1.353	1.415	-4.6	108	0.00
61		4-Chlorophenyl-phenylether	0.771	0.810	-5.1	109	0.00
62		4-Nitroaniline	0.295	0.325	-10.2	108	0.00
63		Azobenzene	1.158	1.213	-4.7	107	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	0.126	0.129	-2.4	107	0.00
66	c	n-Nitrosodiphenylamine	0.599	0.615	-2.7	108	0.00
67		4-Bromophenyl-phenylether	0.232	0.238	-2.6	109	0.00
68		Hexachlorobenzene	0.266	0.272	-2.3	109	0.00
69		Atrazine	0.155	0.128	17.4	108	0.00
70	C	Pentachlorophenol	0.196	0.199	-1.5	106	0.00
71		Phenanthrene	1.096	1.132	-3.3	109	0.00
72		Anthracene	1.081	1.121	-3.7	109	0.00
73		Carbazole	1.018	1.054	-3.5	109	0.00
74		Di-n-butylphthalate	1.172	1.194	-1.9	107	0.00
75	C	Fluoranthene	1.348	1.393	-3.3	110	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	108	0.00
77		Benzidine	0.265	0.251	5.3	67	0.00
78		Pyrene	1.378	1.429	-3.7	109	0.00
79	S	Terphenyl-d14	1.067	1.213	-13.7	110	0.00
80		Butylbenzylphthalate	0.518	0.528	-1.9	106	0.00
81		Benzo(a)anthracene	1.329	1.373	-3.3	109	0.00
82		3,3'-Dichlorobenzidine	0.502	0.511	-1.8	105	0.00
83		Chrysene	1.264	1.296	-2.5	108	0.00
84		Bis(2-ethylhexyl)phthalate	0.755	0.775	-2.6	106	0.00
85	c	Di-n-octyl phthalate	1.320	1.315	0.4	104	0.00
86	I	Perylene-d12	1.000	1.000	0.0	105	-0.01
87		Indeno(1,2,3-cd)pyrene	1.491	1.505	-0.9	105	-0.01
88		Benzo(b)fluoranthene	1.277	1.309	-2.5	105	0.00
89		Benzo(k)fluoranthene	1.238	1.251	-1.1	106	0.00
90	C	Benzo(a)pyrene	1.122	1.133	-1.0	105	0.00
91		Dibenzo(a,h)anthracene	1.228	1.234	-0.5	104	0.00
92		Benzo(g,h,i)perylene	1.255	1.257	-0.2	105	-0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	39.056	2.4	101	0.00
3		Pyridine	40.000	39.231	1.9	101	0.00
4		n-Nitrosodimethylamine	40.000	39.502	1.2	102	0.00
5	S	2-Fluorophenol	80.000	79.537	0.6	103	0.00
6		Aniline	40.000	41.621	-4.1	103	0.00
7	S	Phenol-d6	80.000	79.779	0.3	102	0.00
8		2-Chlorophenol	40.000	39.865	0.3	103	0.00
9		Benzaldehyde	40.000	40.391	-1.0	106	0.00
10	C	Phenol	40.000	39.708	0.7	103	0.00
11		bis(2-Chloroethyl)ether	40.000	39.877	0.3	103	0.00
12		1,3-Dichlorobenzene	40.000	39.874	0.3	103	0.00
13	C	1,4-Dichlorobenzene	40.000	39.681	0.8	102	0.00
14		1,2-Dichlorobenzene	40.000	40.092	-0.2	103	0.00
15		Benzyl Alcohol	40.000	40.260	-0.6	102	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.960	0.1	103	0.00
17		2-Methylphenol	40.000	40.092	-0.2	103	0.00
18		Hexachloroethane	40.000	39.677	0.8	103	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.040	-2.6	104	0.00
20		3+4-Methylphenols	40.000	40.132	-0.3	103	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	104	0.00
22		Acetophenone	40.000	41.119	-2.8	104	0.00
23	S	Nitrobenzene-d5	80.000	82.580	-3.2	105	0.00
24		Nitrobenzene	40.000	40.732	-1.8	103	0.00
25		Isophorone	40.000	41.165	-2.9	104	0.00
26	C	2-Nitrophenol	40.000	41.481	-3.7	104	0.00
27		2,4-Dimethylphenol	40.000	41.022	-2.6	104	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.868	-2.2	104	0.00
29	C	2,4-Dichlorophenol	40.000	41.249	-3.1	105	0.00
30		1,2,4-Trichlorobenzene	40.000	40.409	-1.0	104	0.00
31		Naphthalene	40.000	40.582	-1.5	104	0.00
32		Benzoic acid	40.000	41.427	-3.6	116	0.01
33		4-Chloroaniline	40.000	42.177	-5.4	104	0.00
34	C	Hexachlorobutadiene	40.000	40.688	-1.7	105	0.00
35		Caprolactam	40.000	41.519	-3.8	105	0.00
36	C	4-Chloro-3-methylphenol	40.000	41.604	-4.0	106	0.00
37		2-Methylnaphthalene	40.000	41.181	-3.0	105	0.00
38		1-Methylnaphthalene	40.000	40.865	-2.2	105	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.724	-1.8	107	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.571	-3.9	102	0.00
42	S	2,4,6-Tribromophenol	80.000	83.550	-4.4	110	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.361	-3.4	106	0.00
44		2,4,5-Trichlorophenol	40.000	41.410	-3.5	106	0.00
45	S	2-Fluorobiphenyl	80.000	82.271	-2.8	106	0.00
46		1,1'-Biphenyl	40.000	41.097	-2.7	106	0.00
47		2-Chloronaphthalene	40.000	40.719	-1.8	106	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	41.831	-4.6	106	0.00
49		Acenaphthylene	40.000	41.321	-3.3	107	0.00
50		Dimethylphthalate	40.000	41.593	-4.0	108	0.00
51		2,6-Dinitrotoluene	40.000	42.625	-6.6	108	0.00
52	C	Acenaphthene	40.000	41.534	-3.8	107	0.00
53		3-Nitroaniline	40.000	44.041	-10.1	108	0.00
54	P	2,4-Dinitrophenol	40.000	39.689	0.8	110	0.00
55		Dibenzofuran	40.000	41.581	-4.0	108	0.00
56	P	4-Nitrophenol	40.000	43.685	-9.2	109	0.00
57		2,4-Dinitrotoluene	40.000	43.627	-9.1	108	0.00
58		Fluorene	40.000	41.729	-4.3	108	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.690	-4.2	110	0.00
60		Diethylphthalate	40.000	41.839	-4.6	108	0.00
61		4-Chlorophenyl-phenylether	40.000	41.984	-5.0	109	0.00
62		4-Nitroaniline	40.000	44.058	-10.1	108	0.00
63		Azobenzene	40.000	41.869	-4.7	107	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	109	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.037	-2.6	107	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.081	-2.7	108	0.00
67		4-Bromophenyl-phenylether	40.000	41.024	-2.6	109	0.00
68		Hexachlorobenzene	40.000	40.782	-2.0	109	0.00
69		Atrazine	40.000	32.937	17.7	108	0.00
70	C	Pentachlorophenol	40.000	40.626	-1.6	106	0.00
71		Phenanthrene	40.000	41.280	-3.2	109	0.00
72		Anthracene	40.000	41.490	-3.7	109	0.00
73		Carbazole	40.000	41.424	-3.6	109	0.00
74		Di-n-butylphthalate	40.000	40.739	-1.8	107	0.00
75	C	Fluoranthene	40.000	41.327	-3.3	110	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	108	0.00
77		Benzidine	40.000	37.866	5.3	67	0.00
78		Pyrene	40.000	41.482	-3.7	109	0.00
79	S	Terphenyl-d14	80.000	90.949	-13.7	110	0.00
80		Butylbenzylphthalate	40.000	40.807	-2.0	106	0.00
81		Benzo(a)anthracene	40.000	41.314	-3.3	109	0.00
82		3,3'-Dichlorobenzidine	40.000	40.707	-1.8	105	0.00
83		Chrysene	40.000	41.037	-2.6	108	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.067	-2.7	106	0.00
85	c	Di-n-octyl phthalate	40.000	39.835	0.4	104	0.00
86	I	Perylene-d12	20.000	20.000	0.0	105	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	40.380	-1.0	105	-0.01
88		Benzo(b)fluoranthene	40.000	40.988	-2.5	105	0.00
89		Benzo(k)fluoranthene	40.000	40.442	-1.1	106	0.00
90	C	Benzo(a)pyrene	40.000	40.389	-1.0	105	0.00
91		Dibenzo(a,h)anthracene	40.000	40.189	-0.5	104	0.00
92		Benzo(g,h,i)perylene	40.000	40.085	-0.2	105	-0.01

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049856.D
Acq On : 08 Apr 2025 20:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
ICVBM040825

Quant Time: Apr 09 04:03:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

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

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

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

Raw Data: **BM049859.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG No.: Q1739

Instrument ID: BNA_M Calibration Date/Time: 04/09/2025 09:09

Lab File ID: BM049859.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.178	1.196		1.5	
Benzaldehyde	0.752	0.661		-12.1	
Phenol-d6	1.465	1.508		2.9	
Phenol	1.430	1.460		2.1	20.0
bis(2-Chloroethyl)ether	1.121	1.160		3.5	
2-Chlorophenol	1.207	1.229		1.8	
2-Methylphenol	0.881	0.897		1.8	
2,2-oxybis(1-Chloropropane)	1.250	1.279		2.3	
Acetophenone	0.486	0.499		2.7	
3+4-Methylphenols	1.201	1.214		1.1	
n-Nitroso-di-n-propylamine	0.812	0.846	0.050	4.2	
Nitrobenzene-d5	0.359	0.370		3.1	
Hexachloroethane	0.500	0.504		0.8	
Nitrobenzene	0.346	0.354		2.3	
Isophorone	0.602	0.610		1.3	
2-Nitrophenol	0.183	0.186		1.6	20.0
2,4-Dimethylphenol	0.208	0.214		2.9	
bis(2-Chloroethoxy)methane	0.403	0.417		3.5	
2,4-Dichlorophenol	0.345	0.348		0.9	20.0
Naphthalene	1.028	1.045		1.7	
4-Chloroaniline	0.363	0.379		4.4	
Hexachlorobutadiene	0.247	0.252		2.0	20.0
Caprolactam	0.099	0.097		-2.0	
4-Chloro-3-methylphenol	0.302	0.306		1.3	20.0
2-Methylnaphthalene	0.724	0.748		3.3	
Hexachlorocyclopentadiene	0.245	0.263	0.050	7.3	
2,4,6-Trichlorophenol	0.445	0.457		2.7	20.0
2-Fluorobiphenyl	1.475	1.541		4.5	
2,4,5-Trichlorophenol	0.484	0.490		1.2	
1,1-Biphenyl	1.487	1.543		3.8	
2-Chloronaphthalene	1.169	1.198		2.5	
2-Nitroaniline	0.270	0.281		4.1	
Dimethylphthalate	1.411	1.453		3.0	
Acenaphthylene	1.702	1.748		2.7	
2,6-Dinitrotoluene	0.296	0.310		4.7	
3-Nitroaniline	0.286	0.305		6.6	
Acenaphthene	1.083	1.114		2.9	20.0
2,4-Dinitrophenol	0.175	0.181	0.050	3.4	
4-Nitrophenol	0.255	0.271	0.050	6.3	

Raw Data: **BM049859.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: Q1739 SAS No.: Q1739 SDG No.: Q1739

Instrument ID: BNA_M Calibration Date/Time: 04/09/2025 09:09

Lab File ID: BM049859.D Init. Calib. Date(s): 04/08/2025 04/08/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:35 20:07

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.810	1.863		2.9	
2,4-Dinitrotoluene	0.394	0.418		6.1	
Diethylphthalate	1.353	1.394		3.0	
4-Chlorophenyl-phenylether	0.771	0.808		4.8	
Fluorene	1.439	1.500		4.2	
4-Nitroaniline	0.295	0.317		7.5	
4,6-Dinitro-2-methylphenol	0.126	0.128		1.6	
n-Nitrosodiphenylamine	0.599	0.620		3.5	20.0
2,4,6-Tribromophenol	0.291	0.294		1.0	
4-Bromophenyl-phenylether	0.232	0.238		2.6	
Hexachlorobenzene	0.266	0.274		3.0	
Atrazine	0.155	0.137		-11.6	
Pentachlorophenol	0.196	0.192		-2.0	20.0
Phenanthrene	1.096	1.136		3.7	
Anthracene	1.081	1.120		3.6	
Carbazole	1.018	1.055		3.6	
Di-n-butylphthalate	1.172	1.208		3.1	
Fluoranthene	1.348	1.391		3.2	20.0
Pyrene	1.378	1.446		4.9	
Terphenyl-d14	1.067	1.223		14.6	
Butylbenzylphthalate	0.518	0.527		1.7	
3,3-Dichlorobenzidine	0.502	0.507		1.0	
Benzo(a)anthracene	1.329	1.372		3.2	
Chrysene	1.264	1.297		2.6	
Bis(2-ethylhexyl)phthalate	0.755	0.791		4.8	
Di-n-octyl phthalate	1.320	1.321		0.1	20.0
Benzo(b)fluoranthene	1.277	1.298		1.6	
Benzo(k)fluoranthene	1.238	1.290		4.2	
Benzo(a)pyrene	1.122	1.138		1.4	20.0
Indeno(1,2,3-cd)pyrene	1.491	1.514		1.5	
Dibenzo(a,h)anthracene	1.228	1.243		1.2	
Benzo(g,h,i)perylene	1.255	1.265		0.8	
1,2,4,5-Tetrachlorobenzene	0.700	0.722		3.1	
1,4-Dioxane	0.485	0.491		1.2	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.427		0.7	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.775	152	296698	20.000	ng		0.00
21) Naphthalene-d8	10.569	136	1015269	20.000	ng		0.00
39) Acenaphthene-d10	14.422	164	639621	20.000	ng		0.00
64) Phenanthrene-d10	17.163	188	1259632	20.000	ng		0.00
76) Chrysene-d12	21.398	240	1253559	20.000	ng		0.00
86) Perylene-d12	24.397	264	1316817	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.357	112	1419493	81.241	ng		0.00
7) Phenol-d6	6.951	99	1790241	82.351	ng		0.00
23) Nitrobenzene-d5	8.934	82	1503388	82.457	ng		0.00
42) 2,4,6-Tribromophenol	15.910	330	753144	80.953	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	3942276	83.577	ng		0.00
79) Terphenyl-d14	19.786	244	6133685	91.698	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.263	88	291398	40.495	ng		99
3) Pyridine	3.663	79	753004	39.829	ng		100
4) n-Nitrosodimethylamine	3.569	42	296600	41.224	ng		96
6) Aniline	7.104	93	796200	42.743	ng		99
8) 2-Chlorophenol	7.346	128	729446	40.737	ng		100
9) Benzaldehyde	6.916	77	392292	35.165	ng		99
10) Phenol	6.975	94	866162	40.829	ng		98
11) bis(2-Chloroethyl)ether	7.198	93	688177	41.367	ng		100
12) 1,3-Dichlorobenzene	7.669	146	862092	40.722	ng		98
13) 1,4-Dichlorobenzene	7.810	146	864579	40.588	ng		98
14) 1,2-Dichlorobenzene	8.128	146	818032	40.772	ng		100
15) Benzyl Alcohol	8.016	79	554408	40.500	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.304	45	759071	40.937	ng		100
17) 2-Methylphenol	8.222	107	532364	40.722	ng		99
18) Hexachloroethane	8.857	117	299242	40.379	ng		98
19) n-Nitroso-di-n-propyla...	8.581	70	502308	41.719	ng		99
20) 3+4-Methylphenols	8.551	107	720564	40.429	ng		98
22) Acetophenone	8.598	105	1012423	41.032	ng	#	99
24) Nitrobenzene	8.975	77	719142	40.963	ng		98
25) Isophorone	9.504	82	1237624	40.521	ng		99
26) 2-Nitrophenol	9.687	139	378566	40.684	ng		98
27) 2,4-Dimethylphenol	9.751	122	434235	41.179	ng		98
28) bis(2-Chloroethoxy)met...	9.981	93	846304	41.389	ng		98
29) 2,4-Dichlorophenol	10.222	162	706425	40.301	ng		99
30) 1,2,4-Trichlorobenzene	10.434	180	817401	40.309	ng		98
31) Naphthalene	10.622	128	2122646	40.688	ng		99
32) Benzoic acid	9.881	122	489631	39.334	ng		98
33) 4-Chloroaniline	10.728	127	770178	41.809	ng		99
34) Hexachlorobutadiene	10.910	225	510989	40.738	ng		99
35) Caprolactam	11.510	113	197131	39.211	ng		98
36) 4-Chloro-3-methylphenol	11.863	107	621964	40.507	ng		99
37) 2-Methylnaphthalene	12.233	142	1519024	41.327	ng		99
38) 1-Methylnaphthalene	12.457	142	1470447	41.064	ng		100
40) 1,2,4,5-Tetrachloroben...	12.610	216	923807	41.284	ng		99
41) Hexachlorocyclopentadiene	12.592	237	336985	42.977	ng		98
43) 2,4,6-Trichlorophenol	12.851	196	584357	41.039	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

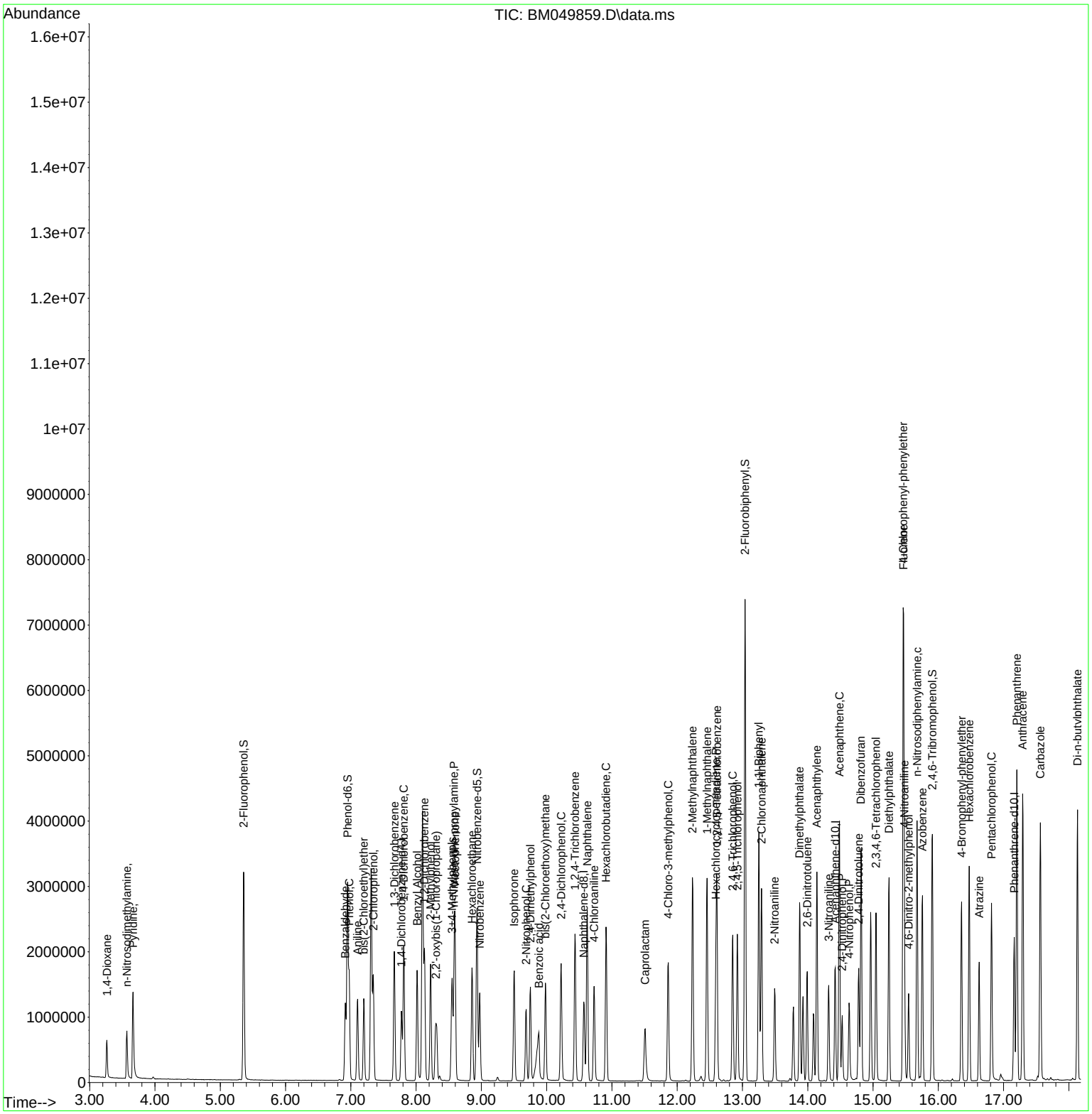
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.922	196	627159	40.530	ng	99
46) 1,1'-Biphenyl	13.251	154	1974373	41.524	ng	99
47) 2-Chloronaphthalene	13.292	162	1532791	41.015	ng	99
48) 2-Nitroaniline	13.492	65	359600	41.593	ng	97
49) Acenaphthylene	14.139	152	2235881	41.073	ng	100
50) Dimethylphthalate	13.874	163	1858623	41.189	ng	99
51) 2,6-Dinitrotoluene	13.992	165	397040	41.996	ng	100
52) Acenaphthene	14.486	154	1425611	41.171	ng	99
53) 3-Nitroaniline	14.322	138	390179	42.701	ng	97
54) 2,4-Dinitrophenol	14.527	184	232138	38.069	ng	98
55) Dibenzofuran	14.816	168	2383415	41.175	ng	100
56) 4-Nitrophenol	14.633	139	347174	42.636	ng	98
57) 2,4-Dinitrotoluene	14.780	165	534617	42.388	ng	98
58) Fluorene	15.469	166	1918474	41.695	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.045	232	545791	40.243	ng	99
60) Diethylphthalate	15.245	149	1783776	41.221	ng	100
61) 4-Chlorophenyl-phenyle...	15.463	204	1033755	41.905	ng	99
62) 4-Nitroaniline	15.480	138	405060	42.866	ng	98
63) Azobenzene	15.757	77	1547471	41.769	ng	98
65) 4,6-Dinitro-2-methylph...	15.545	198	321288	40.477	ng	98
66) n-Nitrosodiphenylamine	15.674	169	1561601	41.426	ng	100
67) 4-Bromophenyl-phenylether	16.357	248	598914	40.958	ng	98
68) Hexachlorobenzene	16.474	284	689312	41.097	ng	100
69) Atrazine	16.627	200	344885	35.286	ng	99
70) Pentachlorophenol	16.815	266	483011	39.115	ng	99
71) Phenanthrene	17.204	178	2860783	41.426	ng	100
72) Anthracene	17.292	178	2820342	41.442	ng	100
73) Carbazole	17.563	167	2656943	41.450	ng	100
74) Di-n-butylphthalate	18.133	149	3044210	41.232	ng	100
75) Fluoranthene	19.221	202	3503995	41.267	ng	99
77) Benzidine	19.404	184	1099441	66.111	ng	100
78) Pyrene	19.580	202	3626164	41.973	ng	99
80) Butylbenzylphthalate	20.486	149	1321828	40.718	ng	96
81) Benzo(a)anthracene	21.380	228	3439017	41.279	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	1270196	40.373	ng	100
83) Chrysene	21.445	228	3252778	41.068	ng	100
84) Bis(2-ethylhexyl)phtha...	21.309	149	1982392	41.914	ng	99
85) Di-n-octyl phthalate	22.445	149	3312050	40.029	ng	100
87) Indeno(1,2,3-cd)pyrene	27.774	276	3987202	40.621	ng	100
88) Benzo(b)fluoranthene	23.450	252	3418004	40.642	ng	100
89) Benzo(k)fluoranthene	23.515	252	3398151	41.696	ng	99
90) Benzo(a)pyrene	24.256	252	2996579	40.548	ng	99
91) Dibenzo(a,h)anthracene	27.832	278	3274793	40.504	ng	100
92) Benzo(g,h,i)perylene	28.838	276	3330873	40.316	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

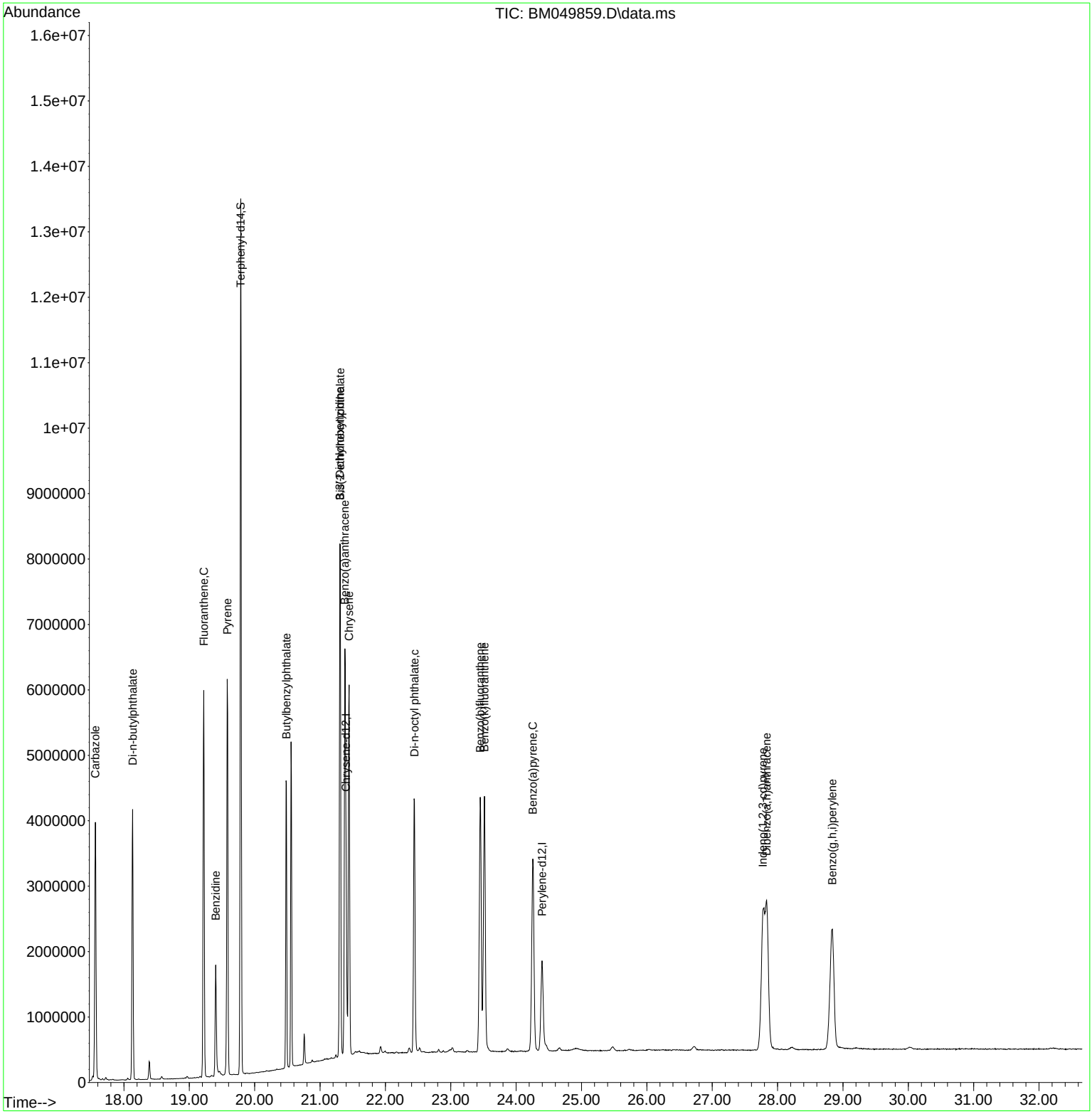


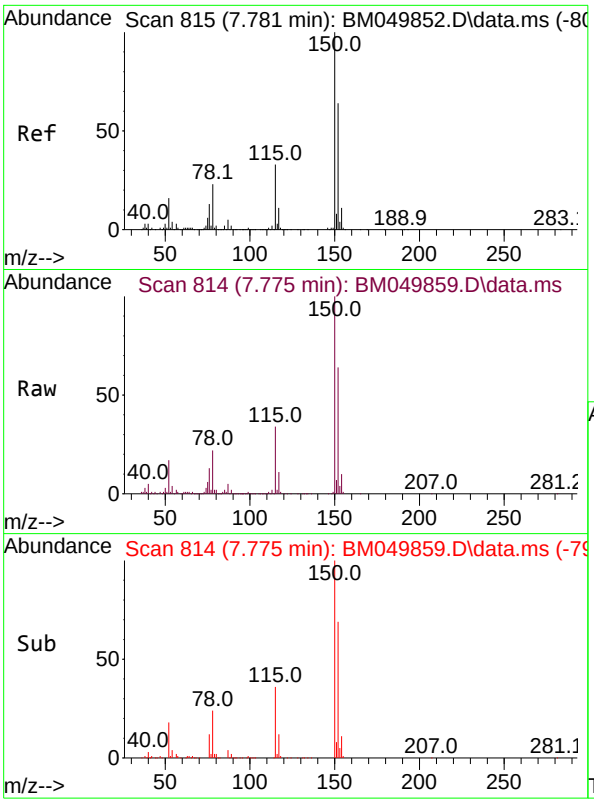
Sample Results: **BM049859.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



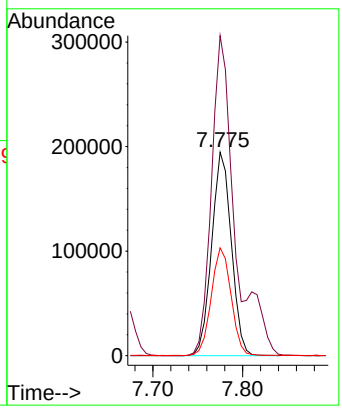


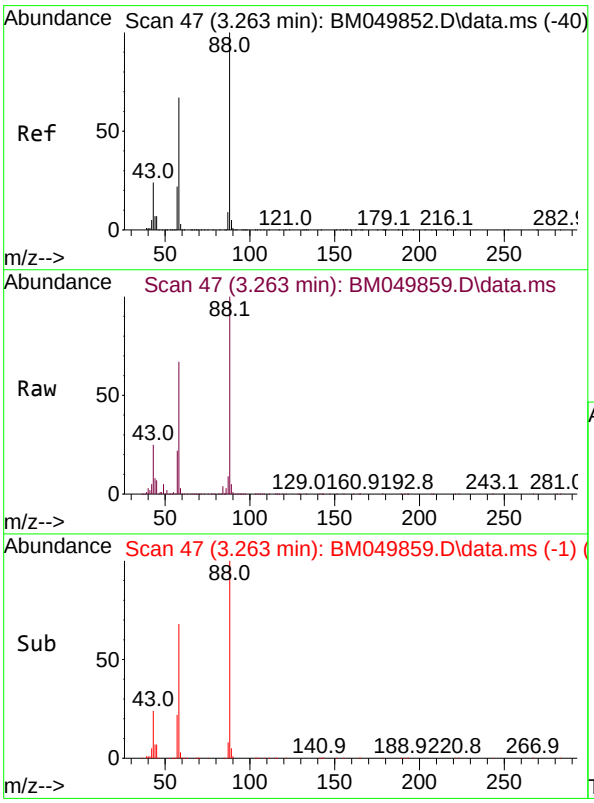
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 296698

Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.3	186.5
115	53.0	41.1	61.7

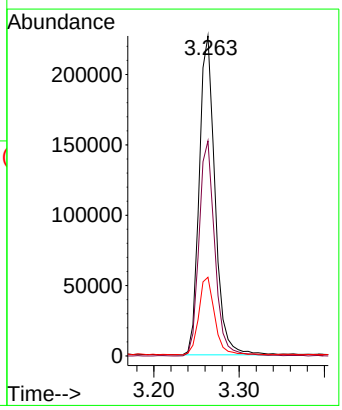


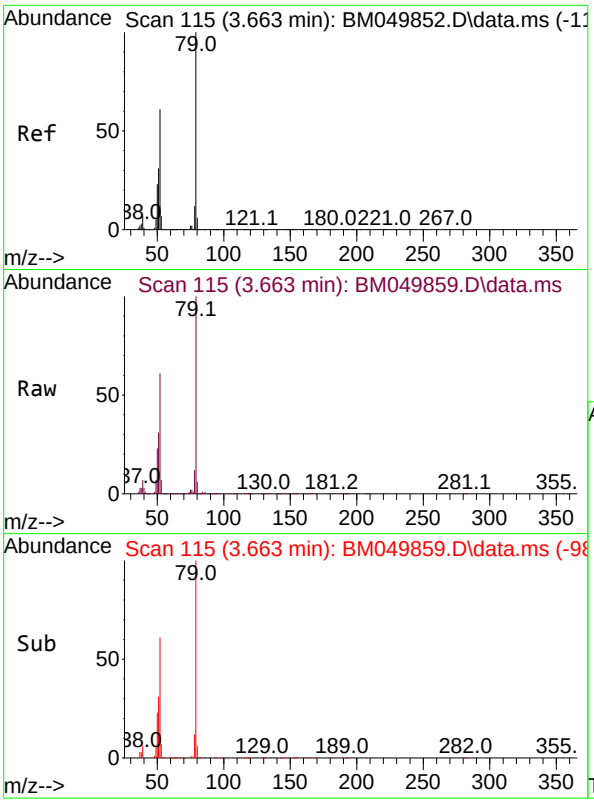


#2
1,4-Dioxane
Concen: 40.495 ng
RT: 3.263 min Scan# 47
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion: 88 Resp: 291398

Ion	Ratio	Lower	Upper
88	100		
58	67.6	54.1	81.1
43	24.3	20.2	30.4



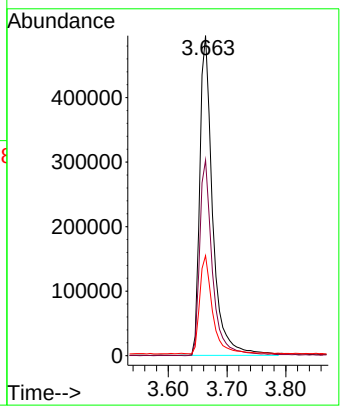


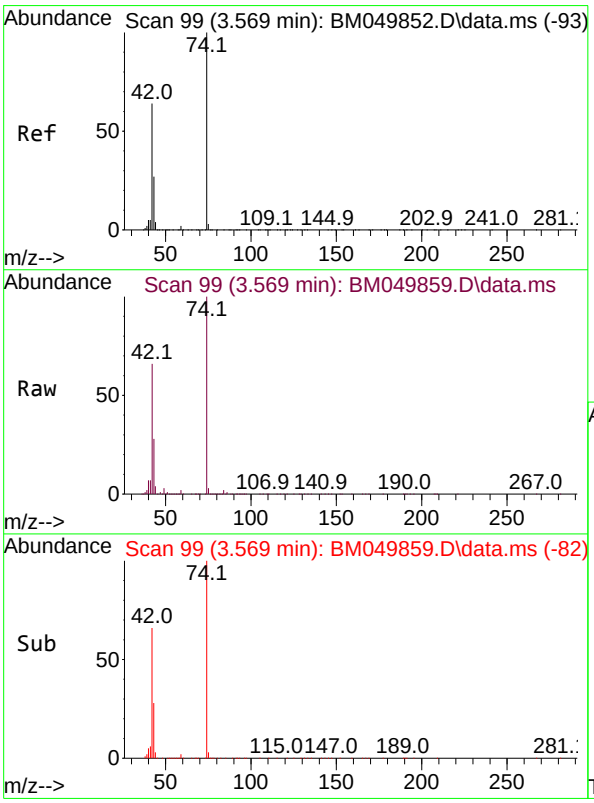
#3
Pyridine
Concen: 39.829 ng
RT: 3.663 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 753004

Ion	Ratio	Lower	Upper
79	100		
52	61.1	48.9	73.3
51	31.3	25.0	37.6

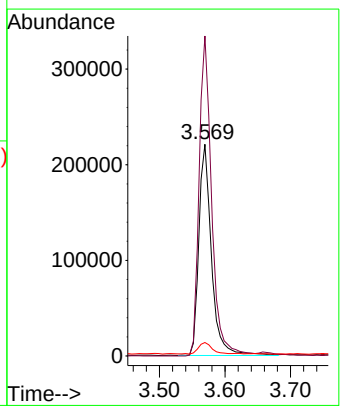


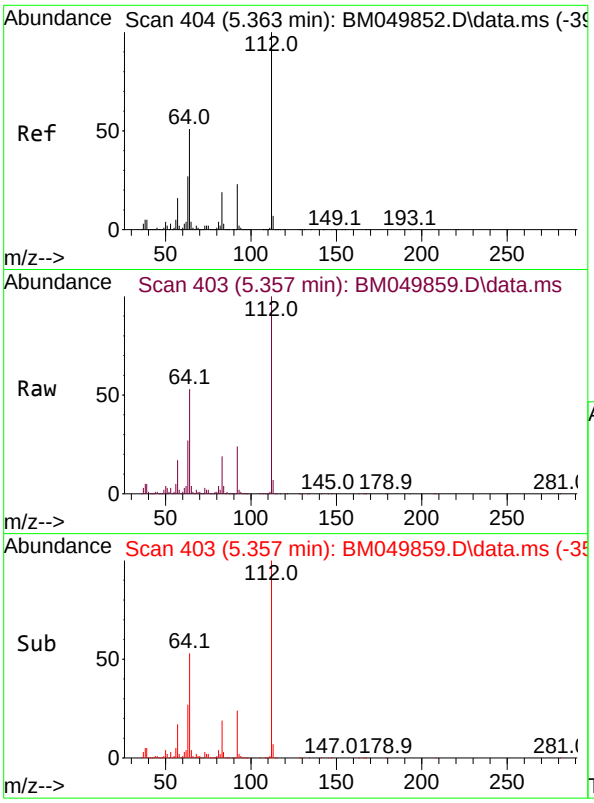


#4
n-Nitrosodimethylamine
Concen: 41.224 ng
RT: 3.569 min Scan# 99
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion: 42 Resp: 296600

Ion	Ratio	Lower	Upper
42	100		
74	151.2	125.4	188.2
44	6.3	5.9	8.9



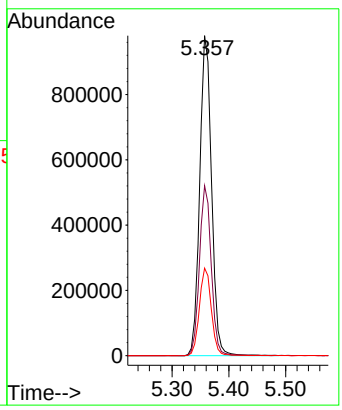


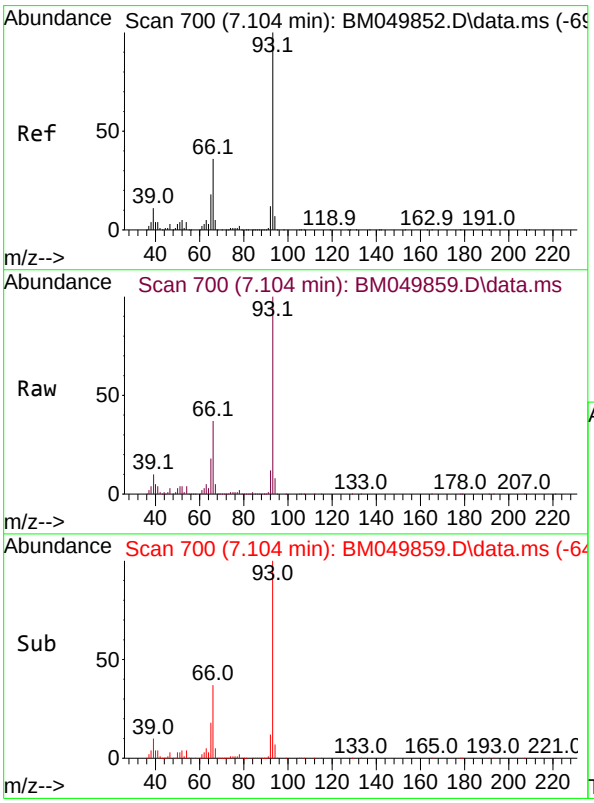
#5
2-Fluorophenol
Concen: 81.241 ng
RT: 5.357 min Scan# 4
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 1419493

Ion	Ratio	Lower	Upper
112	100		
64	53.1	41.0	61.6
63	27.4	21.5	32.3

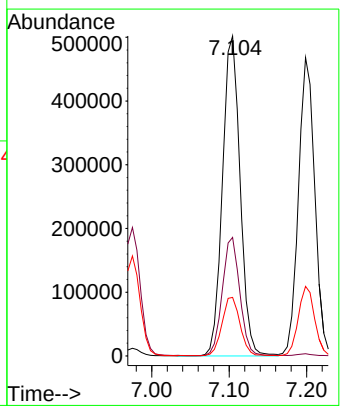


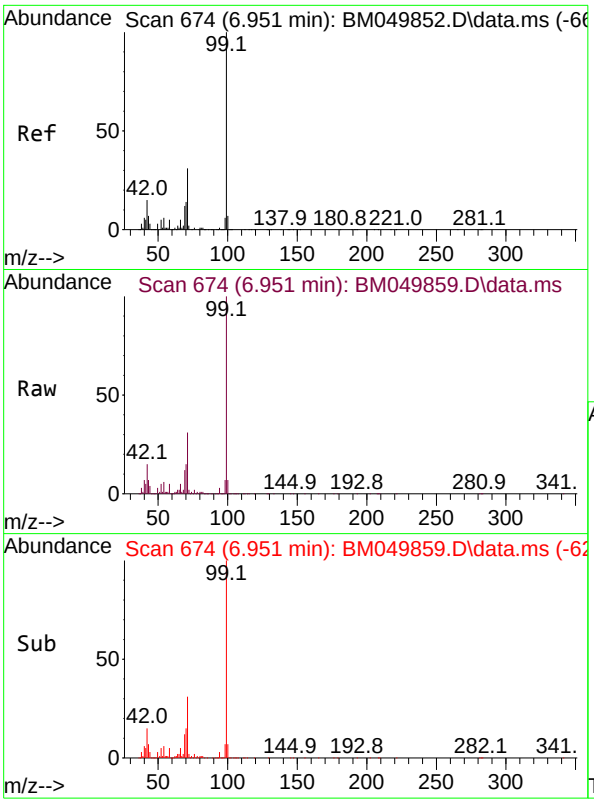


#6
Aniline
Concen: 42.743 ng
RT: 7.104 min Scan# 700
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion: 93 Resp: 796200

Ion	Ratio	Lower	Upper
93	100		
66	37.0	29.1	43.7
65	18.3	14.9	22.3



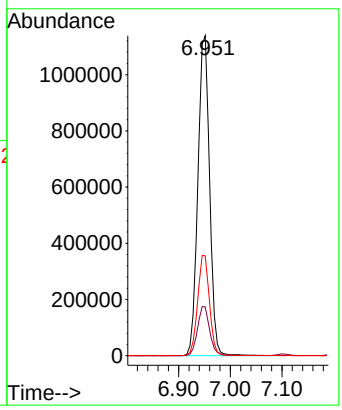


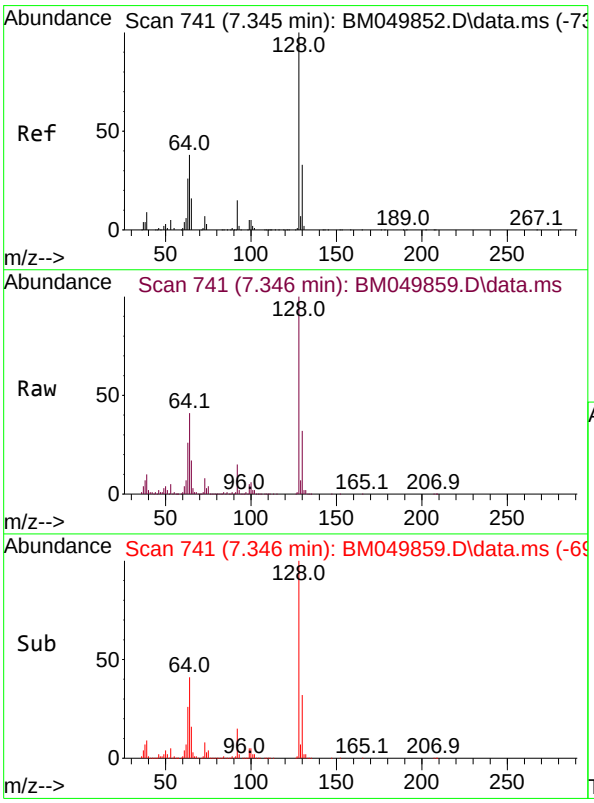
#7
Phenol-d6
Concen: 82.351 ng
RT: 6.951 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1790241

Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.1	18.1
71	31.2	24.9	37.3

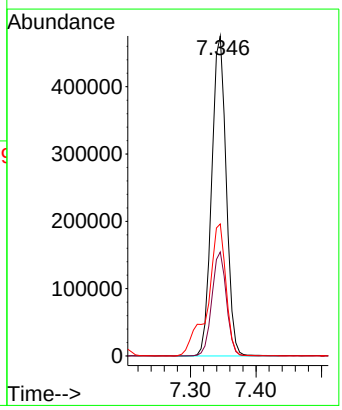


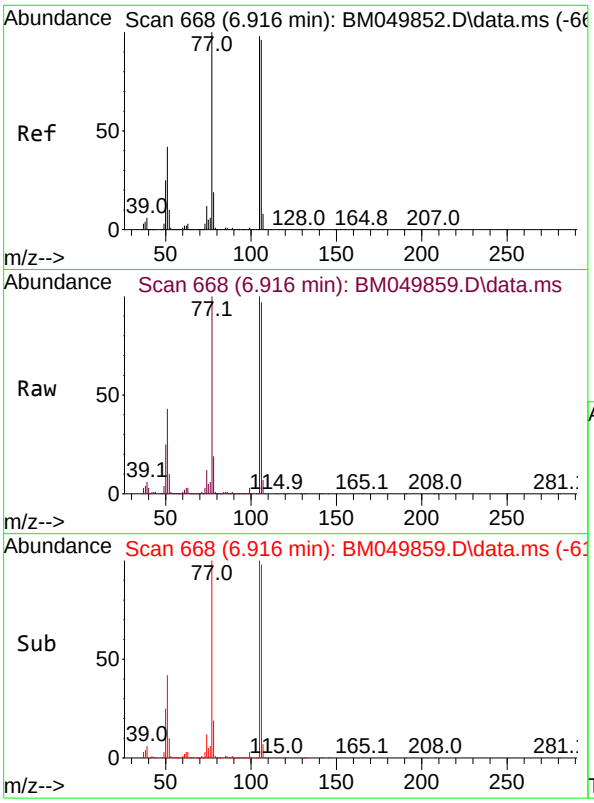


#8
2-Chlorophenol
Concen: 40.737 ng
RT: 7.346 min Scan# 741
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:128 Resp: 729446

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.6	52.6
64	41.2	21.1	61.1



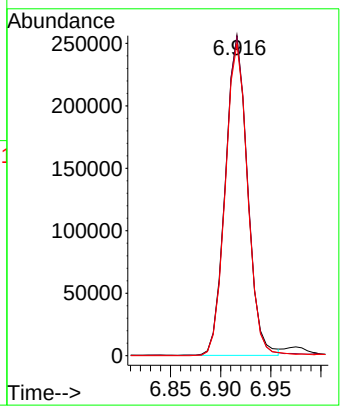


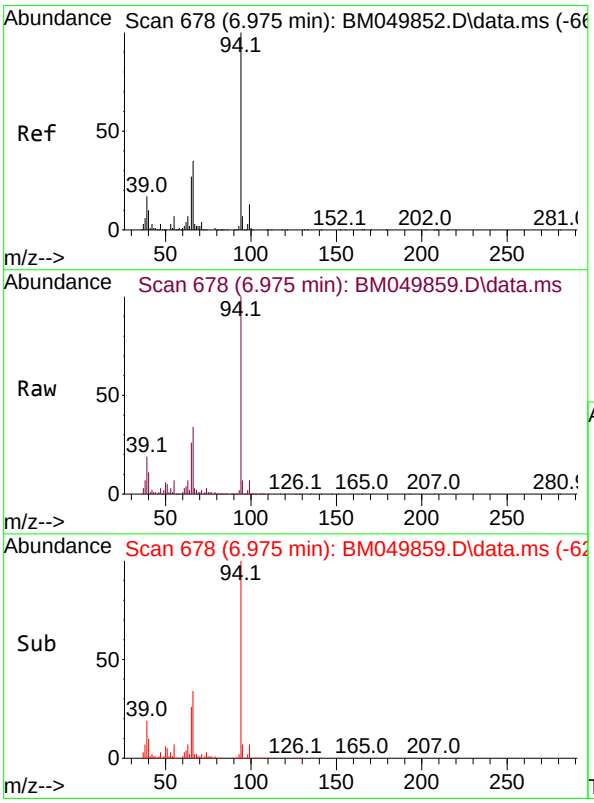
#9
Benzaldehyde
Concen: 35.165 ng
RT: 6.916 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 392292

Ion	Ratio	Lower	Upper
77	100		
105	99.8	78.3	118.3
106	97.4	76.0	116.0

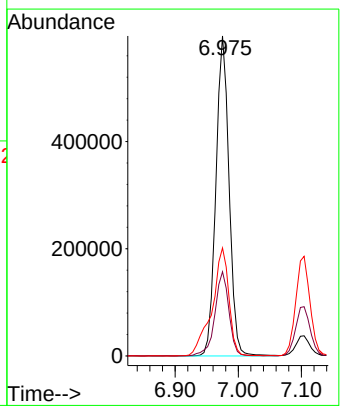


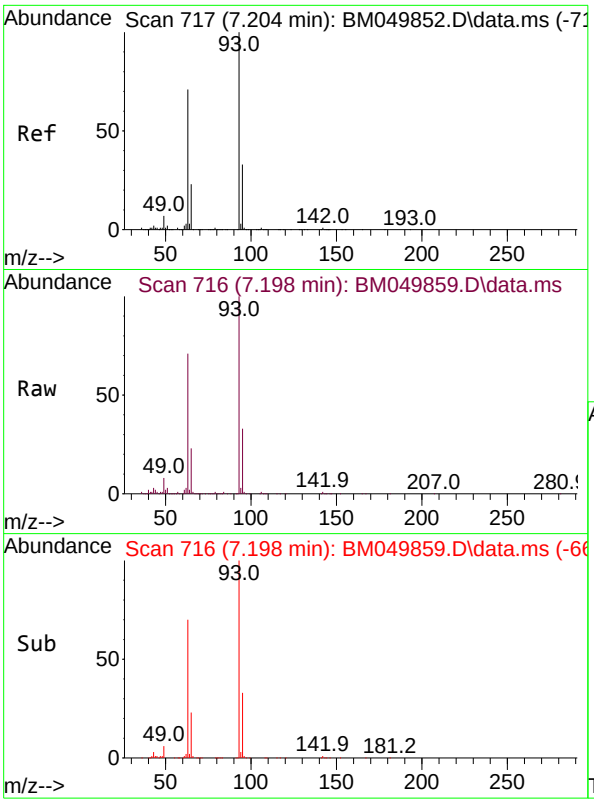


#10
Phenol
Concen: 40.829 ng
RT: 6.975 min Scan# 678
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion: 94 Resp: 866162

Ion	Ratio	Lower	Upper
94	100		
65	26.3	7.3	47.3
66	33.8	14.8	54.8



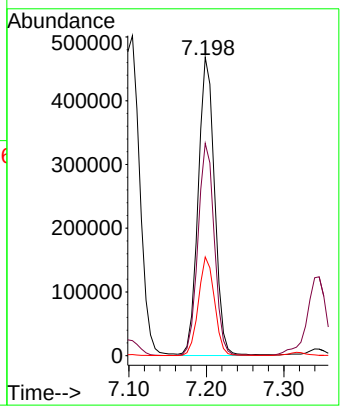


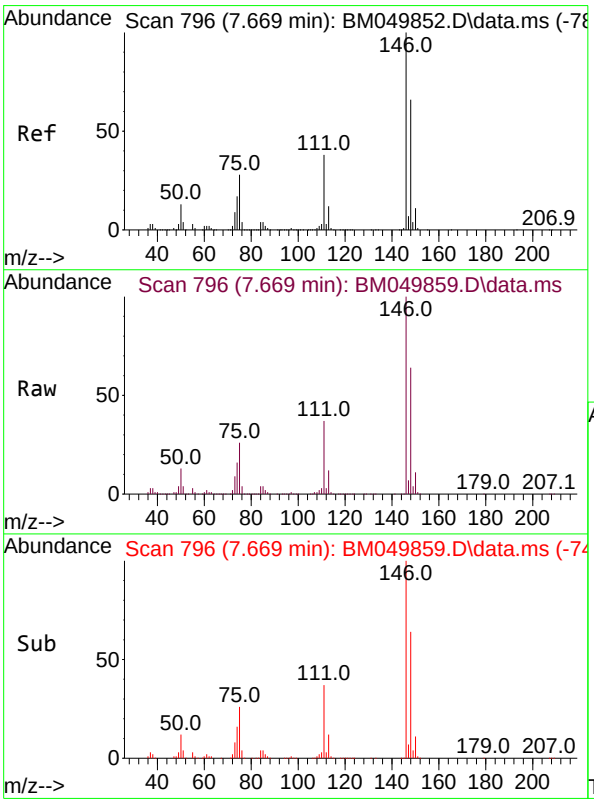
#11
bis(2-Chloroethyl)ether
Concen: 41.367 ng
RT: 7.198 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 688177

Ion	Ratio	Lower	Upper
93	100		
63	71.2	50.9	90.9
95	33.1	12.6	52.6

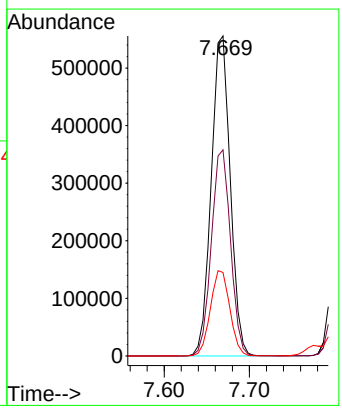


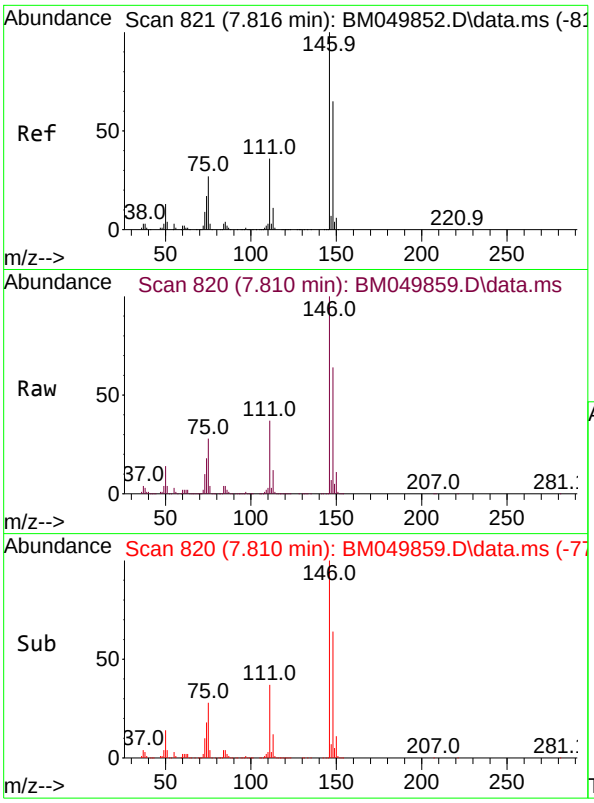


#12
1,3-Dichlorobenzene
Concen: 40.722 ng
RT: 7.669 min Scan# 796
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:146 Resp: 862092

Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.5	78.7
75	26.1	22.5	33.7



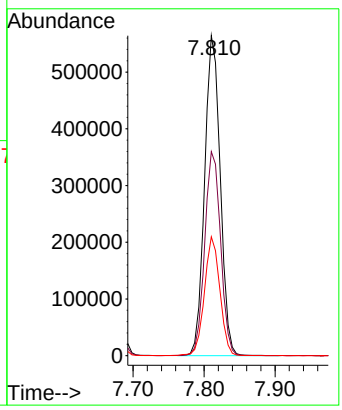


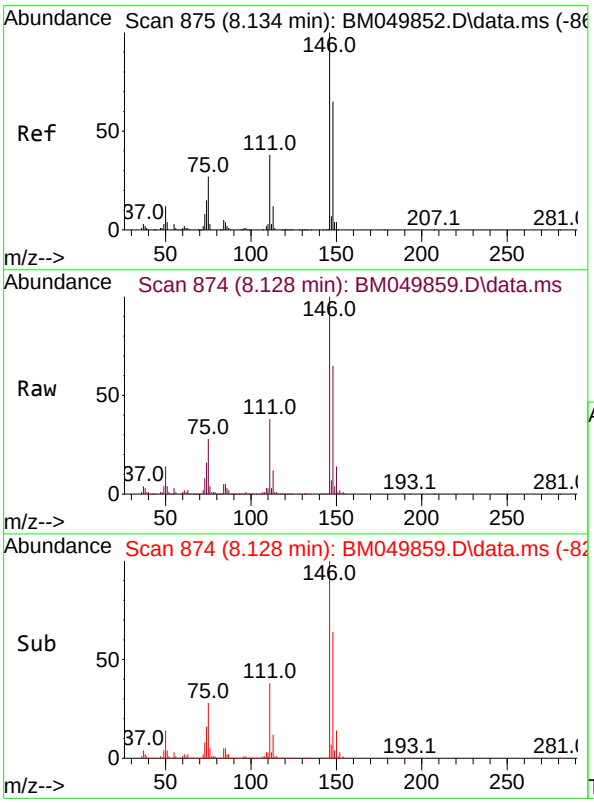
#13
1,4-Dichlorobenzene
Concen: 40.588 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 864579

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.4	78.6
111	37.1	28.5	42.7

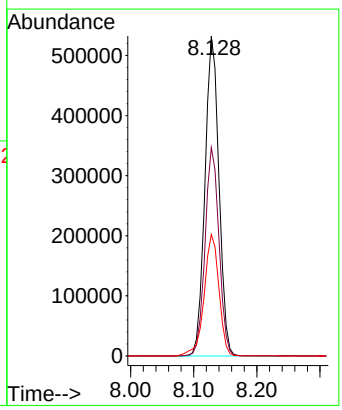


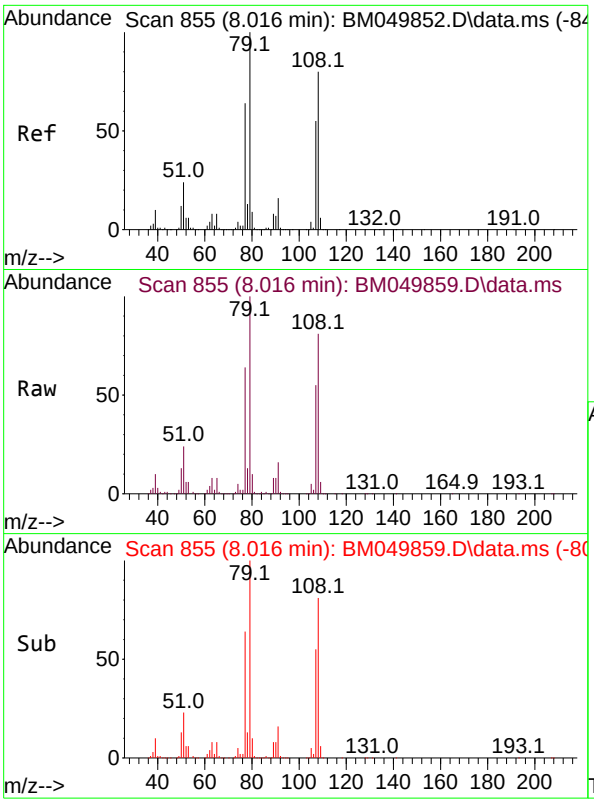


#14
1,2-Dichlorobenzene
Concen: 40.772 ng
RT: 8.128 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:146 Resp: 818032

Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.8	77.8
111	38.0	30.2	45.4



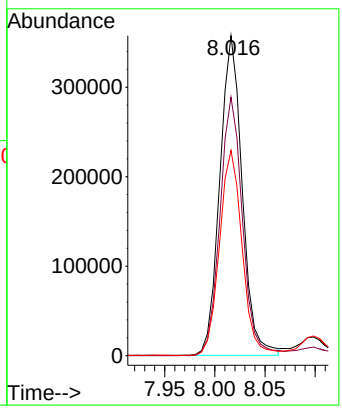


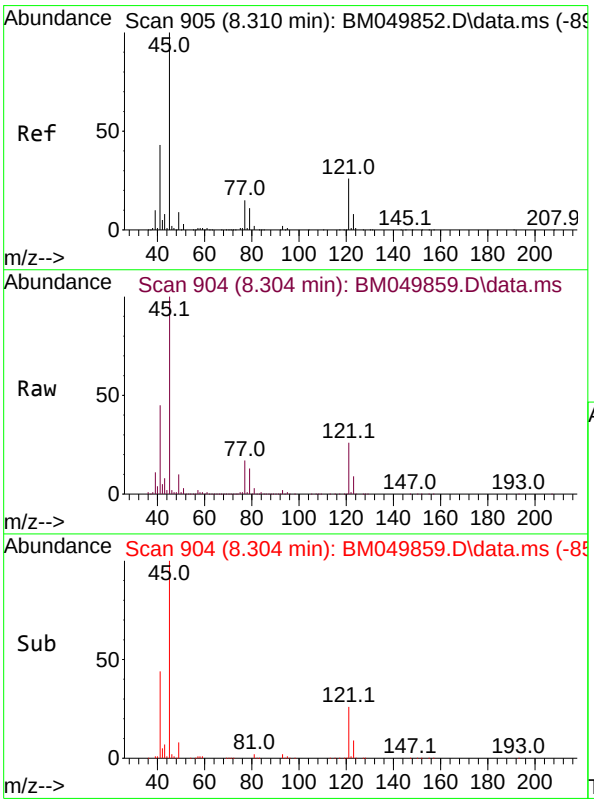
#15
Benzyl Alcohol
Concen: 40.500 ng
RT: 8.016 min Scan# 8
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 554408

Ion	Ratio	Lower	Upper
79	100		
108	80.8	63.6	95.4
77	64.2	51.3	76.9

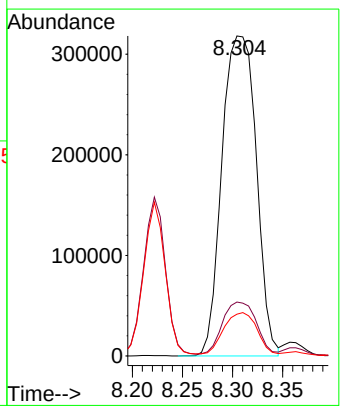


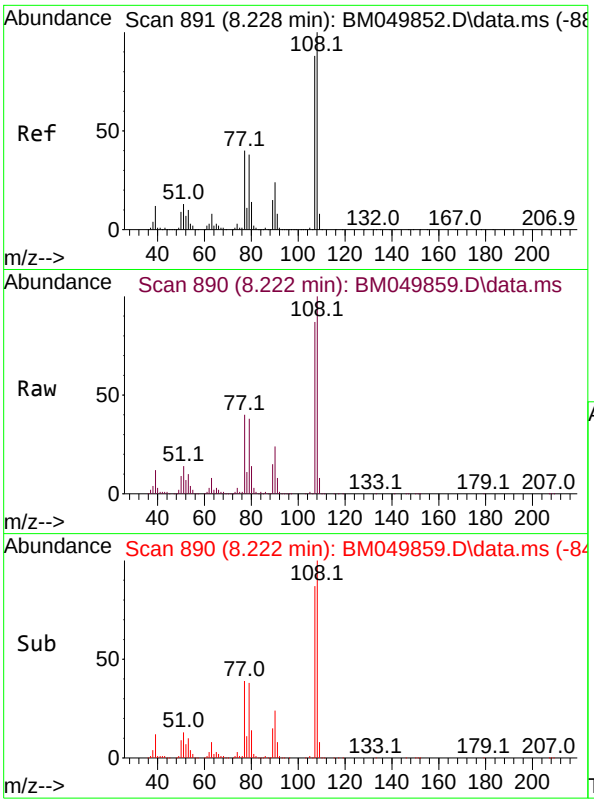


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.937 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion: 45 Resp: 759071

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	36.9
79	13.1	0.0	32.9



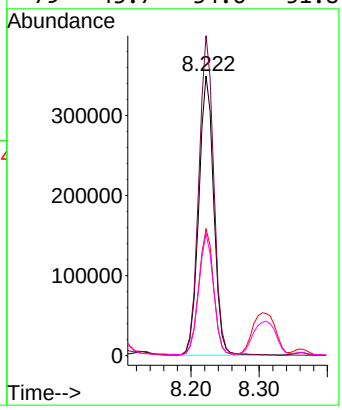


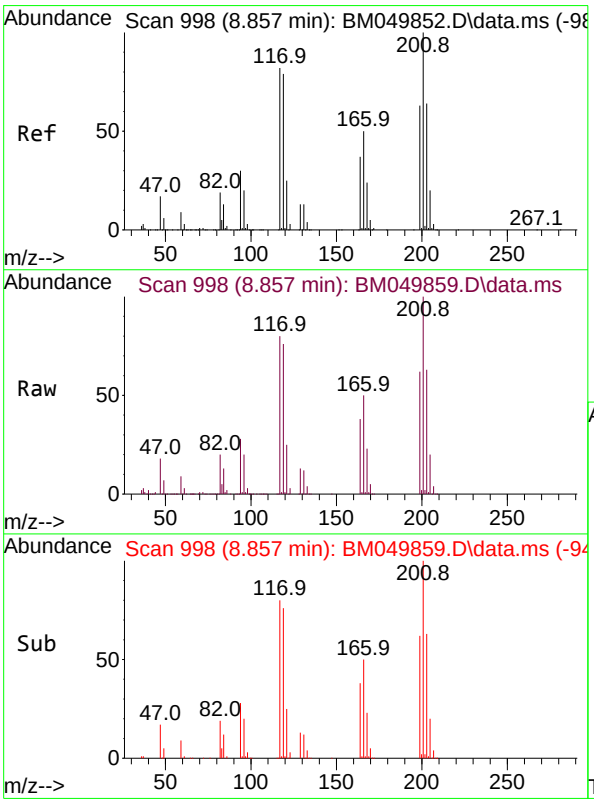
#17
2-Methylphenol
Concen: 40.722 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 532364

Ion	Ratio	Lower	Upper
107	100		
108	114.4	91.0	136.6
77	45.2	36.5	54.7
79	43.7	34.6	51.8

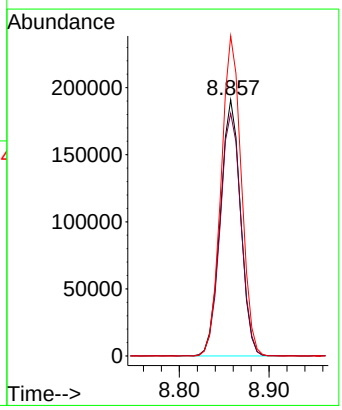


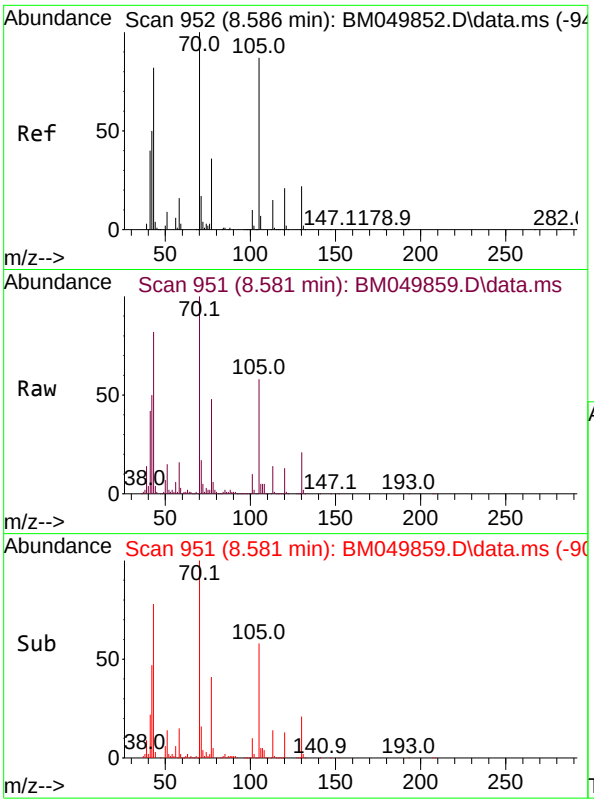


#18
Hexachloroethane
Concen: 40.379 ng
RT: 8.857 min Scan# 998
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:117 Resp: 299242

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.5	116.3
201	124.9	97.7	146.5



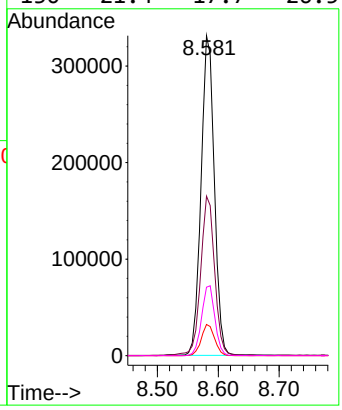


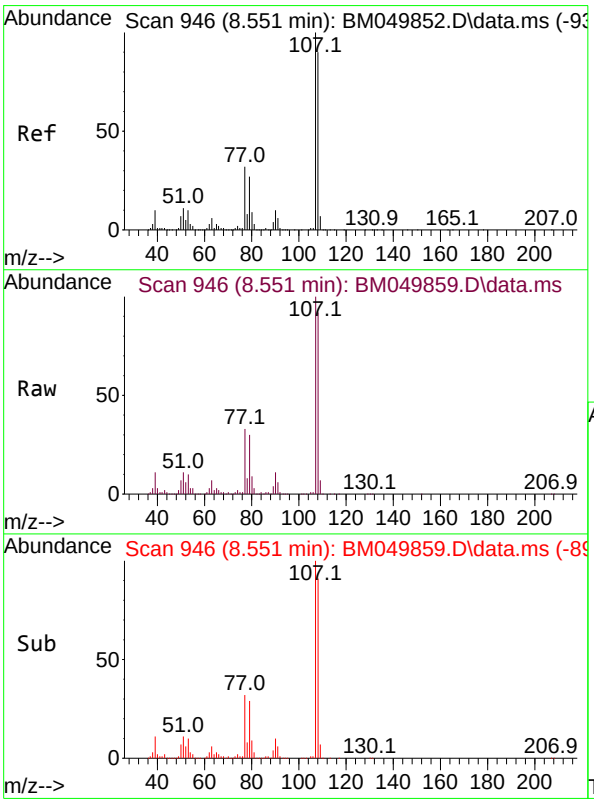
#19
n-Nitroso-di-n-propylamine
Concen: 41.719 ng
RT: 8.581 min Scan# 9
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 502308

Ion	Ratio	Lower	Upper
70	100		
42	49.9	40.2	60.2
101	9.8	7.9	11.9
130	21.4	17.7	26.5

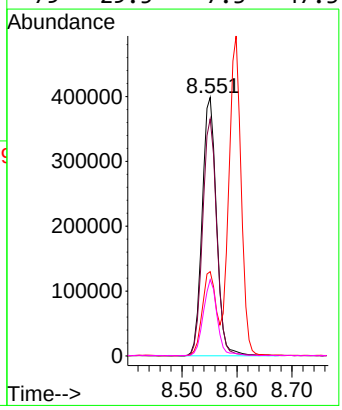


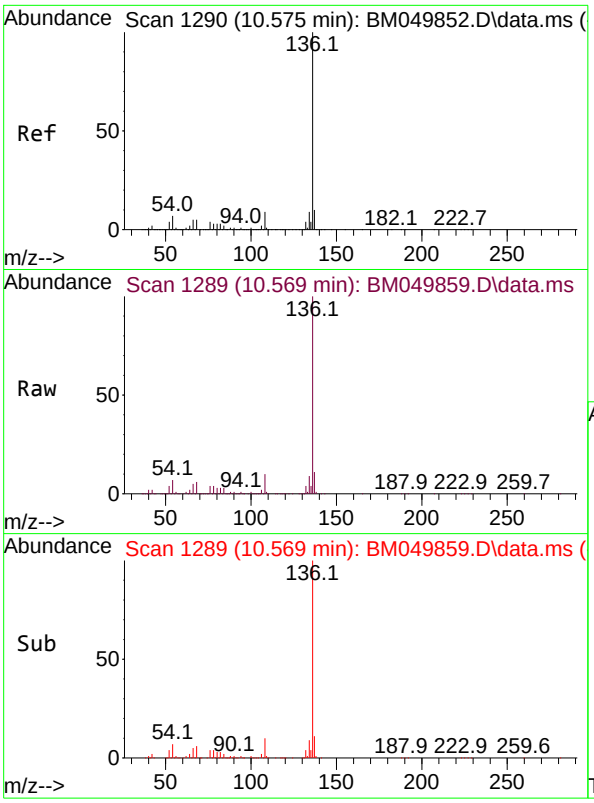


#20
3+4-Methylphenols
Concen: 40.429 ng
RT: 8.551 min Scan# 946
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:107 Resp: 720564

Ion	Ratio	Lower	Upper
107	100		
108	91.7	69.6	109.6
77	32.6	11.7	51.7
79	29.5	7.3	47.3



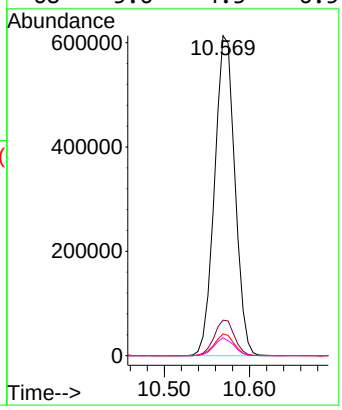


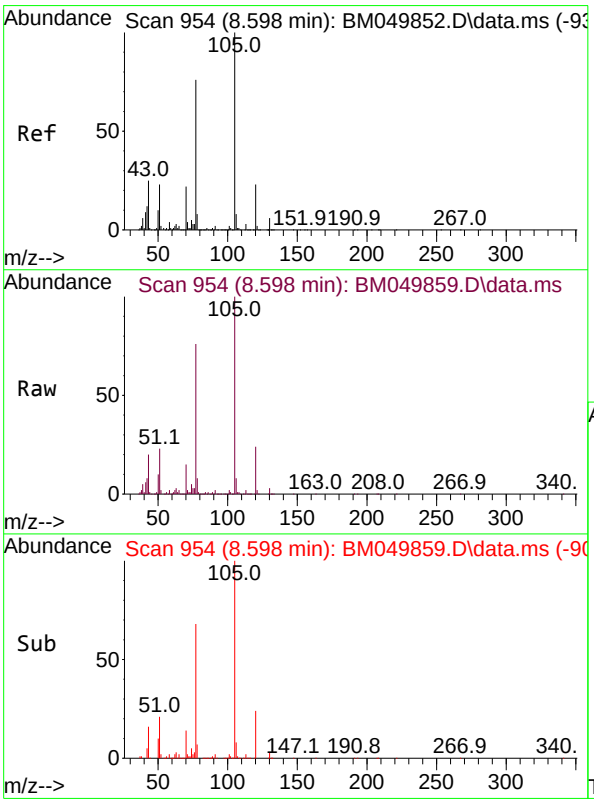
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 1015269

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.4	12.6
54	6.8	5.3	7.9
68	5.6	4.3	6.5

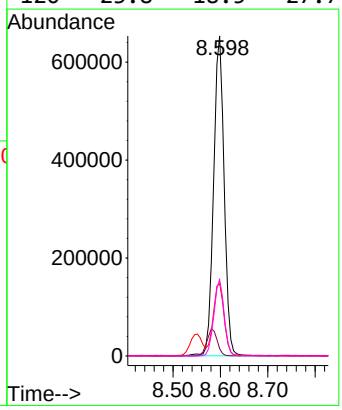


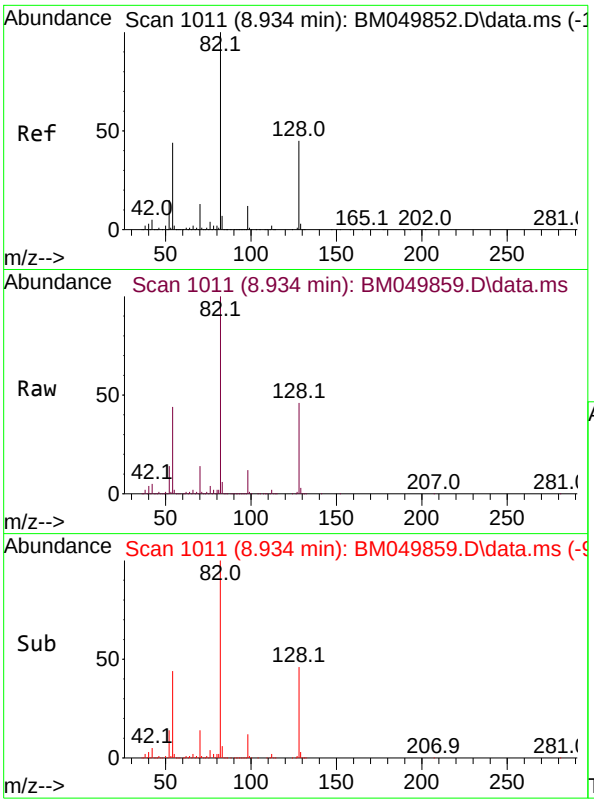


#22
Acetophenone
Concen: 41.032 ng
RT: 8.598 min Scan# 954
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:105 Resp: 1012423

Ion	Ratio	Lower	Upper
105	100		
71	2.3	3.0	4.4#
51	22.7	18.6	27.8
120	23.8	18.5	27.7



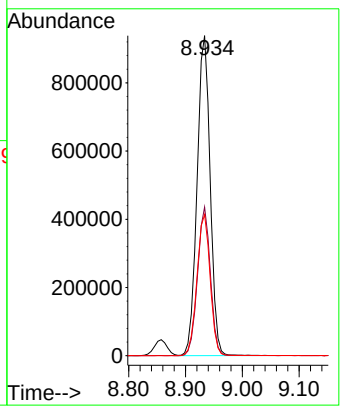


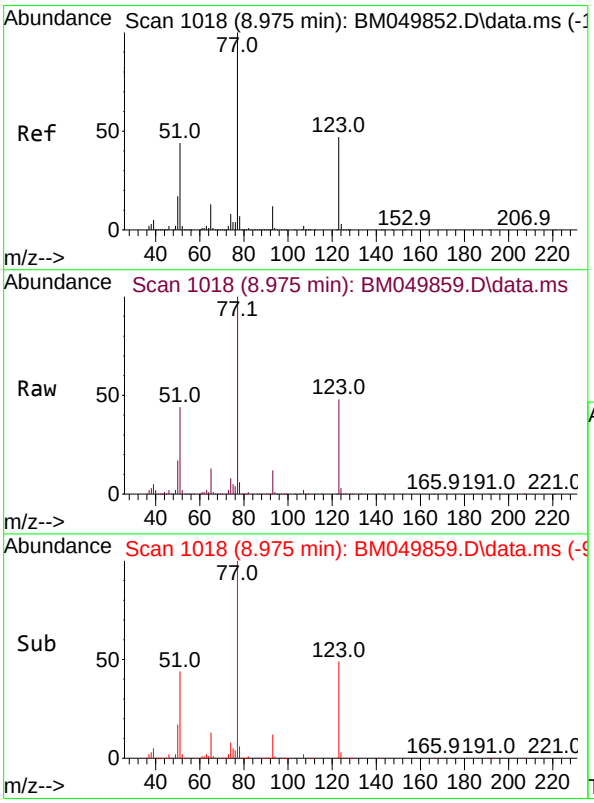
#23
Nitrobenzene-d5
Concen: 82.457 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1503388

Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.2	54.2
54	44.1	35.0	52.6

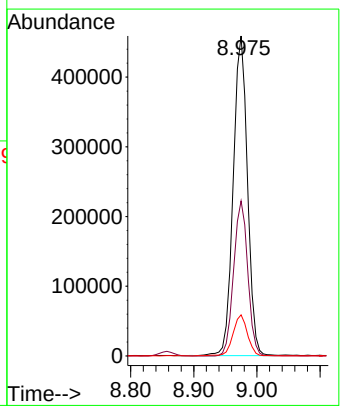


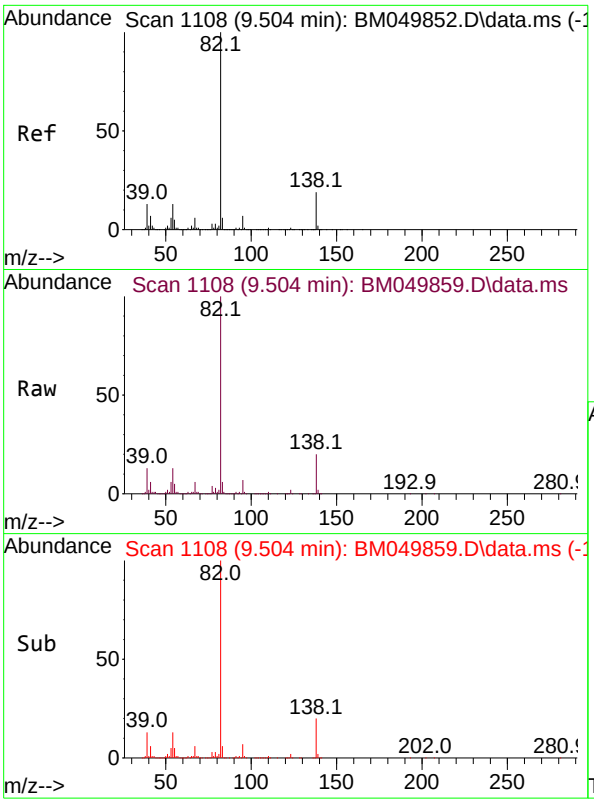


#24
Nitrobenzene
Concen: 40.963 ng
RT: 8.975 min Scan# 1018
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion: 77 Resp: 719142

Ion	Ratio	Lower	Upper
77	100		
123	48.5	37.4	56.2
65	12.8	10.1	15.1



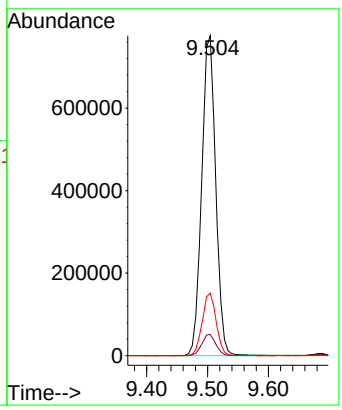


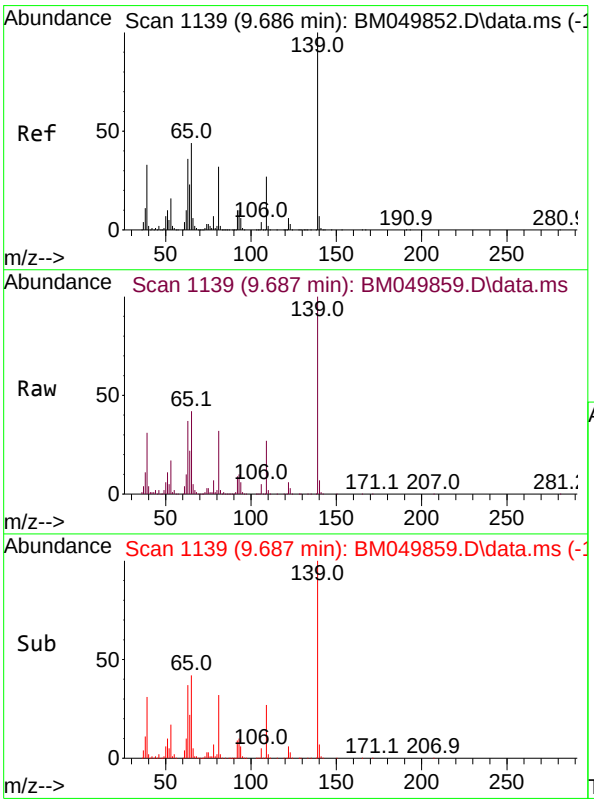
#25
Isophorone
Concen: 40.521 ng
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1237624

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.4	8.2
138	19.5	15.0	22.6

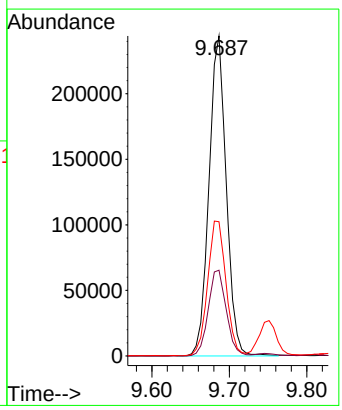


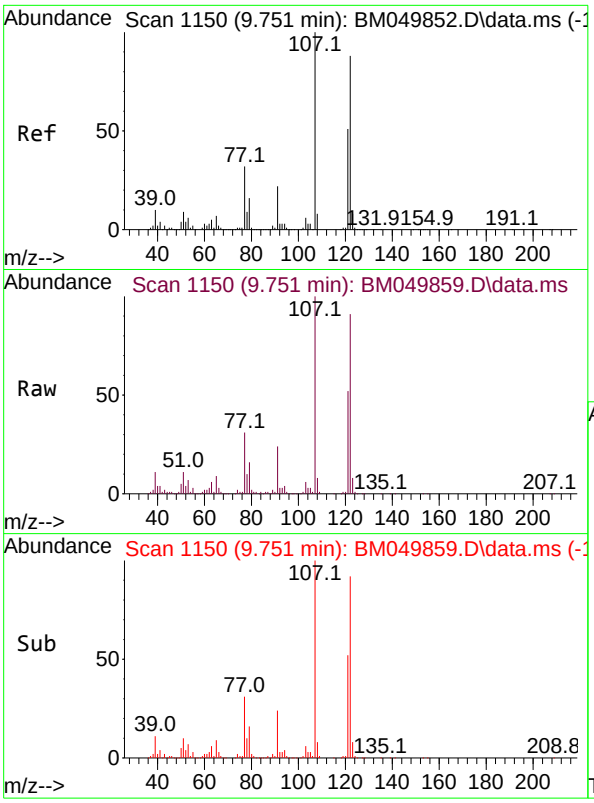


#26
2-Nitrophenol
Concen: 40.684 ng
RT: 9.687 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:139 Resp: 378566

Ion	Ratio	Lower	Upper
139	100		
109	26.8	21.7	32.5
65	41.9	35.2	52.8



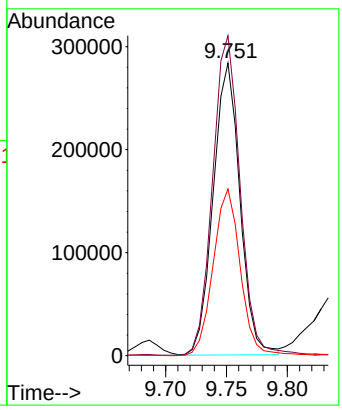


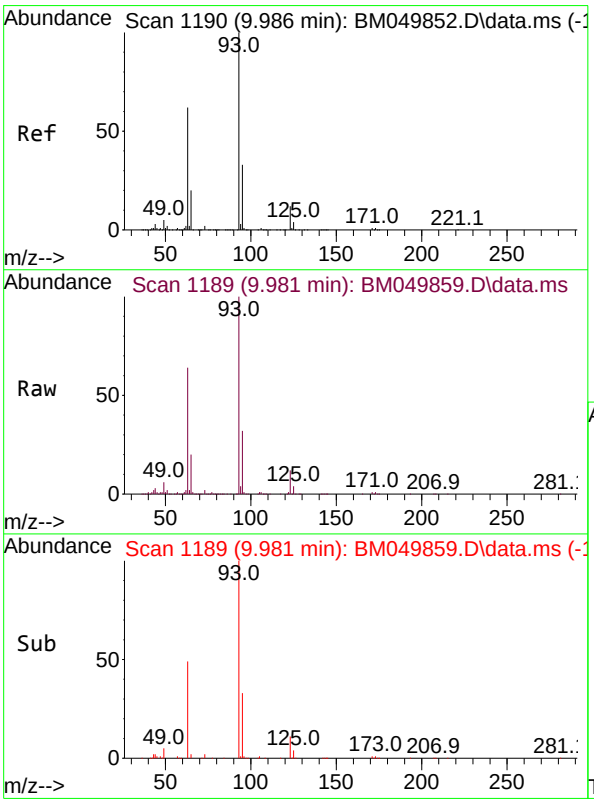
#27
2,4-Dimethylphenol
Concen: 41.179 ng
RT: 9.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 434235

Ion	Ratio	Lower	Upper
122	100		
107	109.3	90.3	135.5
121	57.0	46.1	69.1

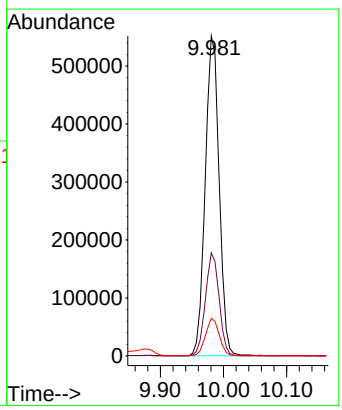


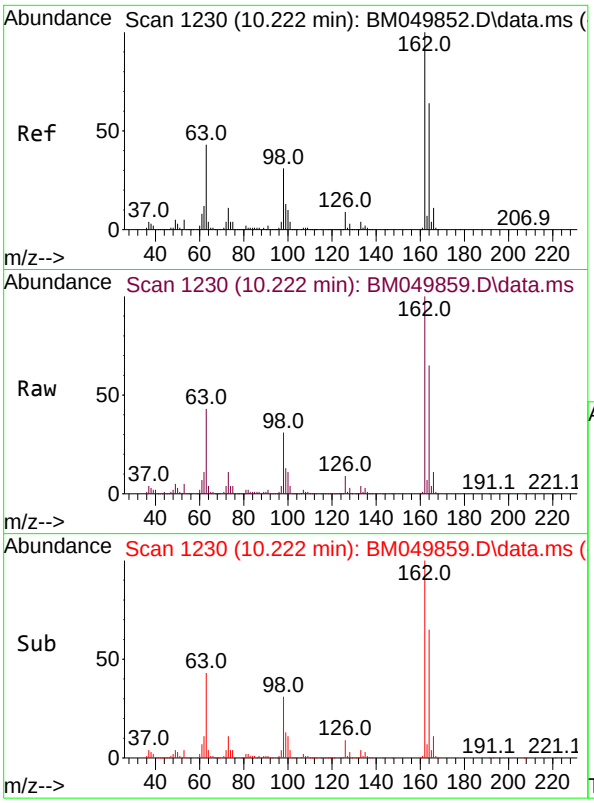


#28
bis(2-Chloroethoxy)methane
Concen: 41.389 ng
RT: 9.981 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion: 93 Resp: 846304

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.6	40.0
123	11.8	9.5	14.3



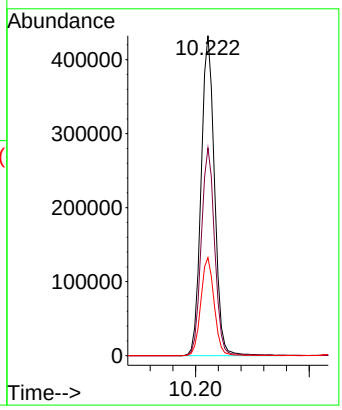


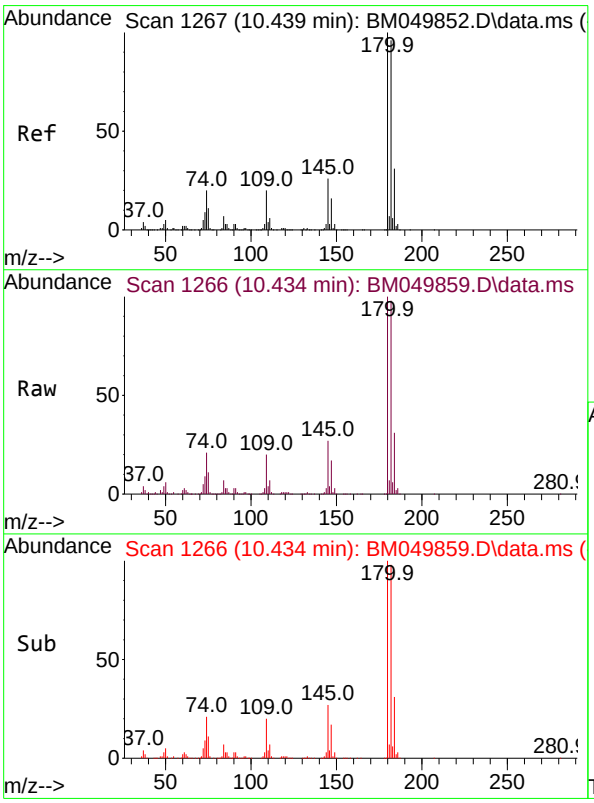
#29
2,4-Dichlorophenol
Concen: 40.301 ng
RT: 10.222 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 706425

Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.3	84.3
98	30.6	10.9	50.9

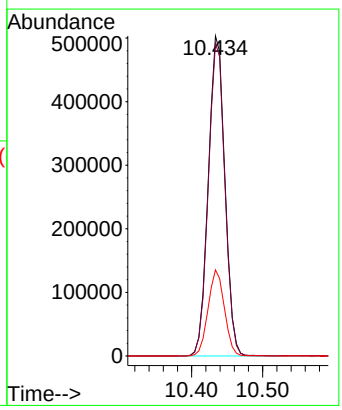


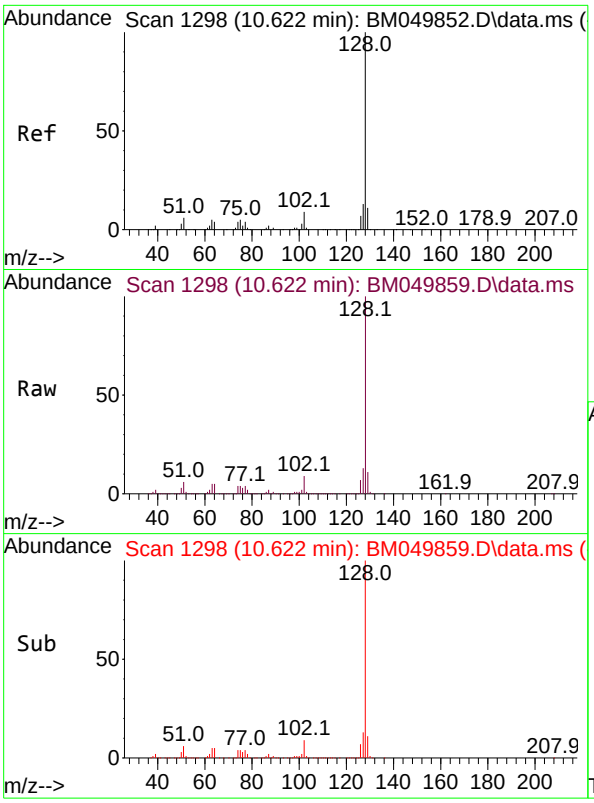


#30
1,2,4-Trichlorobenzene
Concen: 40.309 ng
RT: 10.434 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:180 Resp: 817401

Ion	Ratio	Lower	Upper
180	100		
182	97.8	76.7	115.1
145	26.9	20.8	31.2



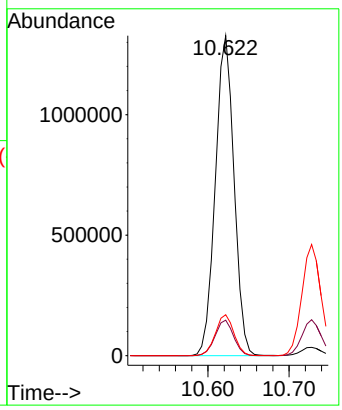


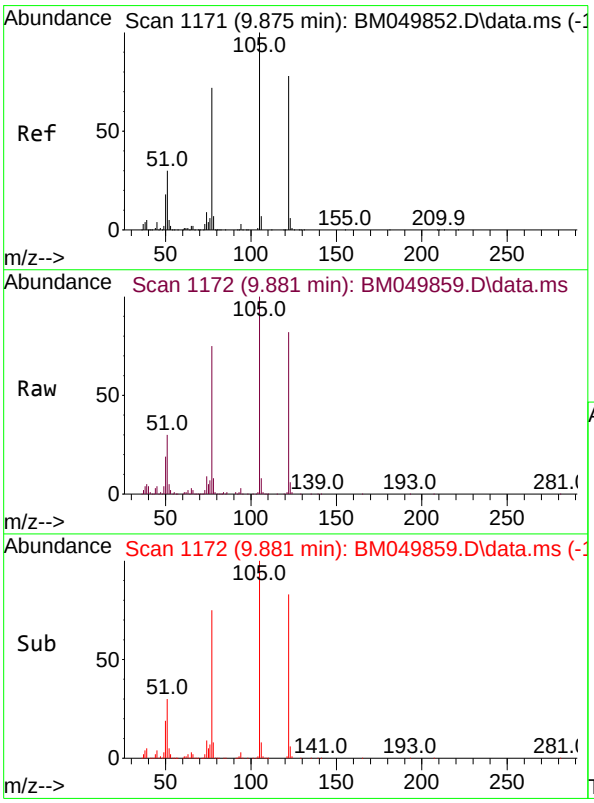
#31
Naphthalene
Concen: 40.688 ng
RT: 10.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 2122646

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	12.8	10.6	15.8

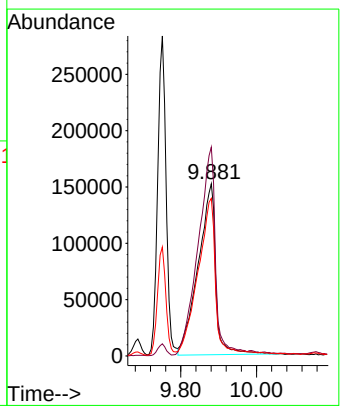


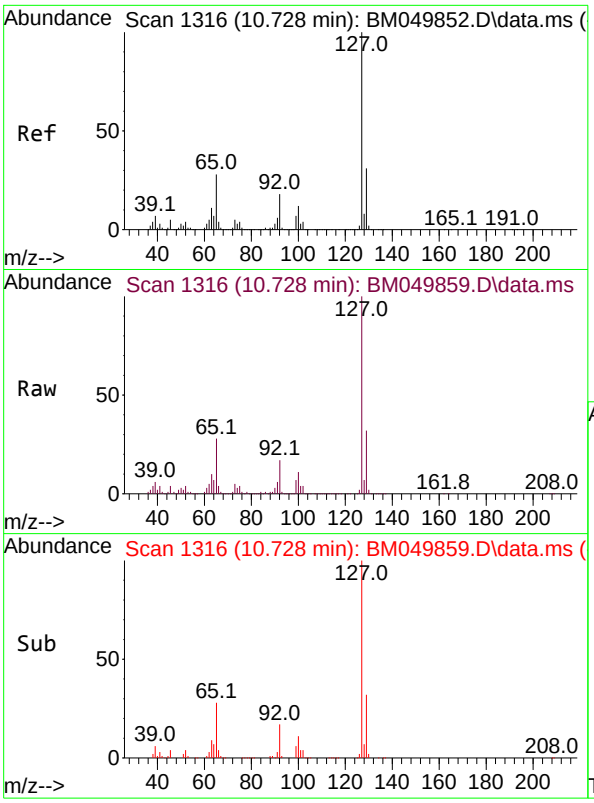


#32
Benzoic acid
Concen: 39.334 ng
RT: 9.881 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:122 Resp: 489631

Ion	Ratio	Lower	Upper
122	100		
105	121.3	103.8	143.8
77	91.6	70.7	110.7



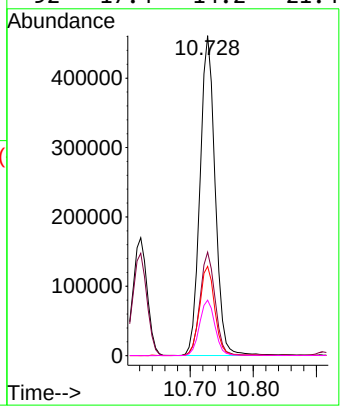


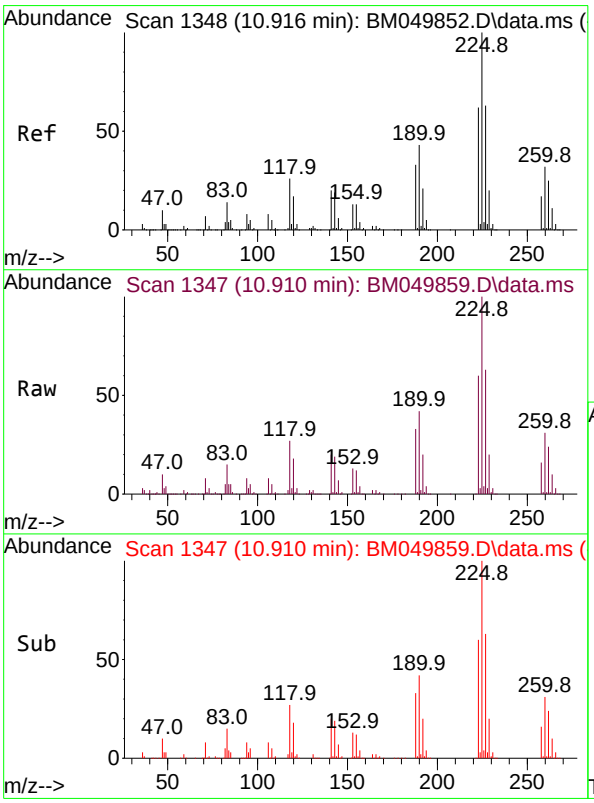
#33
4-Chloroaniline
Concen: 41.809 ng
RT: 10.728 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 770178

Ion	Ratio	Lower	Upper
127	100		
129	32.3	24.9	37.3
65	27.9	22.4	33.6
92	17.4	14.2	21.4

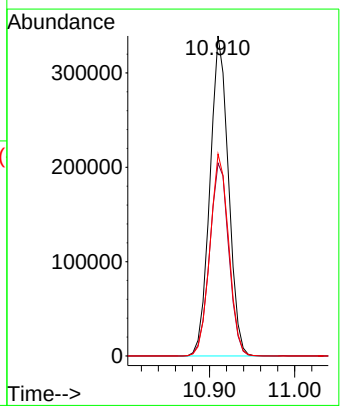


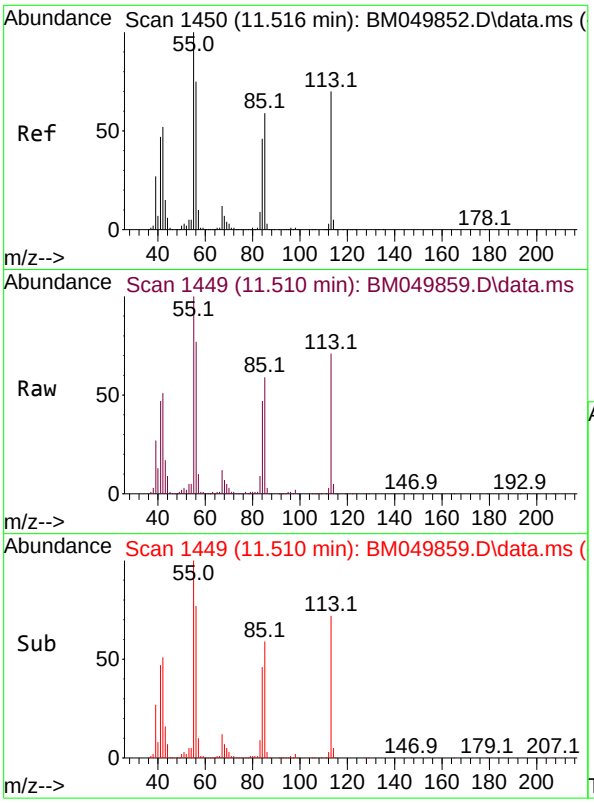


#34
Hexachlorobutadiene
Concen: 40.738 ng
RT: 10.910 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:225 Resp: 510989

Ion	Ratio	Lower	Upper
225	100		
223	60.2	49.4	74.2
227	63.1	50.1	75.1



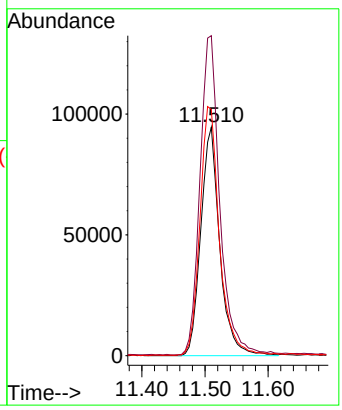


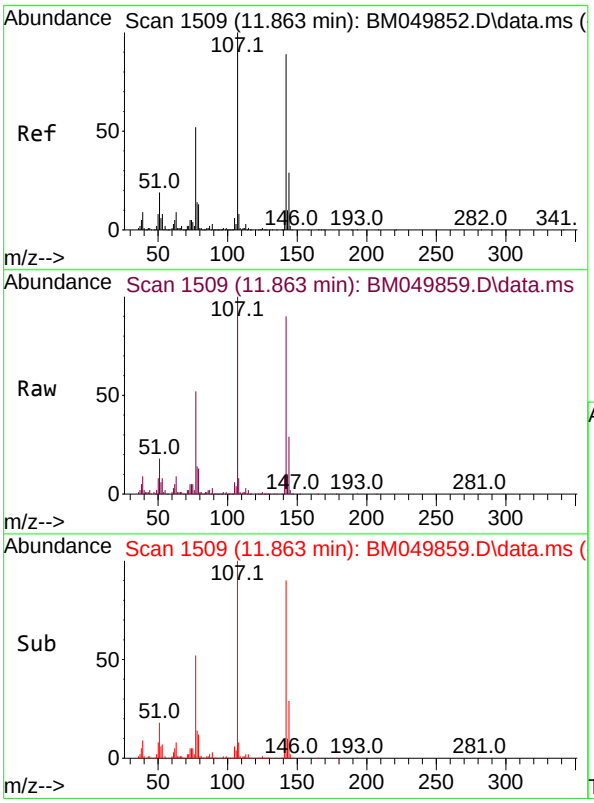
#35
Caprolactam
Concen: 39.211 ng
RT: 11.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 197131

Ion	Ratio	Lower	Upper
113	100		
55	140.1	124.3	164.3
56	107.8	87.5	127.5

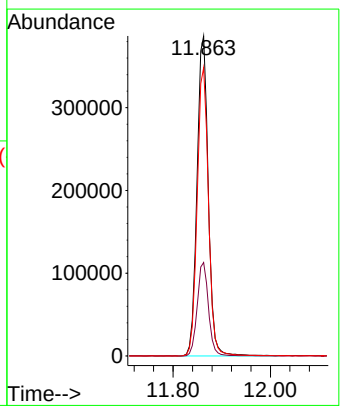


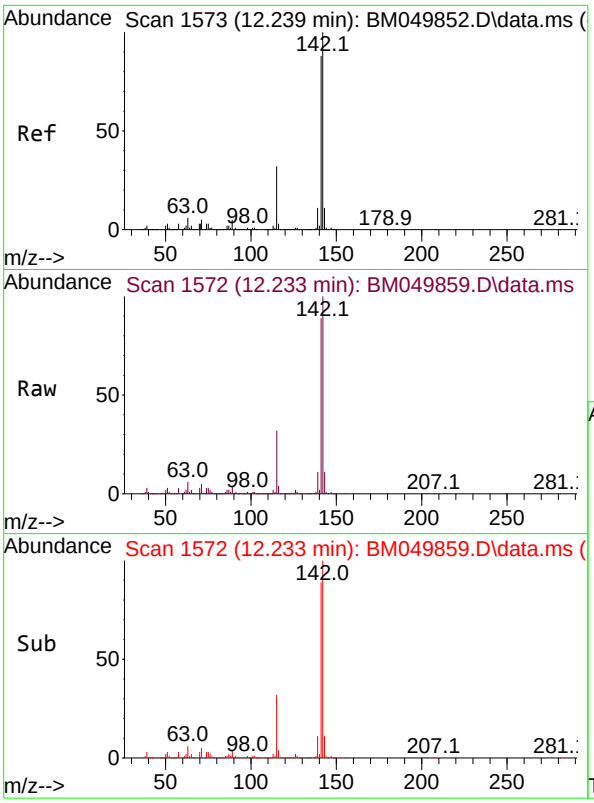


#36
4-Chloro-3-methylphenol
Concen: 40.507 ng
RT: 11.863 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:107 Resp: 621964

Ion	Ratio	Lower	Upper
107	100		
144	29.2	23.6	35.4
142	90.1	71.4	107.0



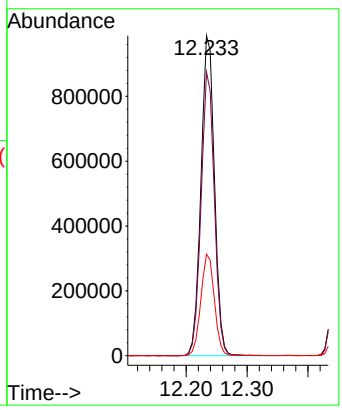


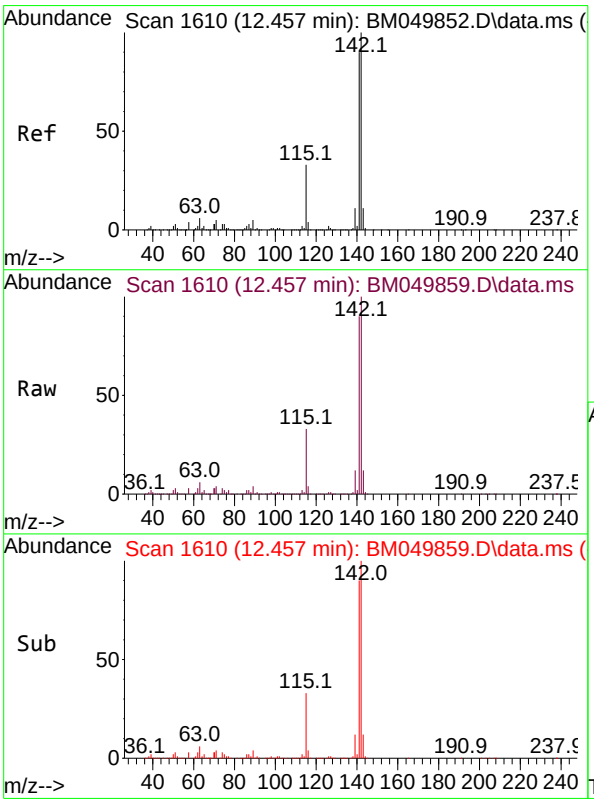
#37
2-Methylnaphthalene
Concen: 41.327 ng
RT: 12.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 1519024

Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.2	105.2
115	31.7	25.4	38.2

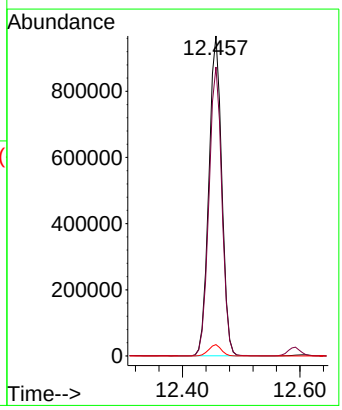


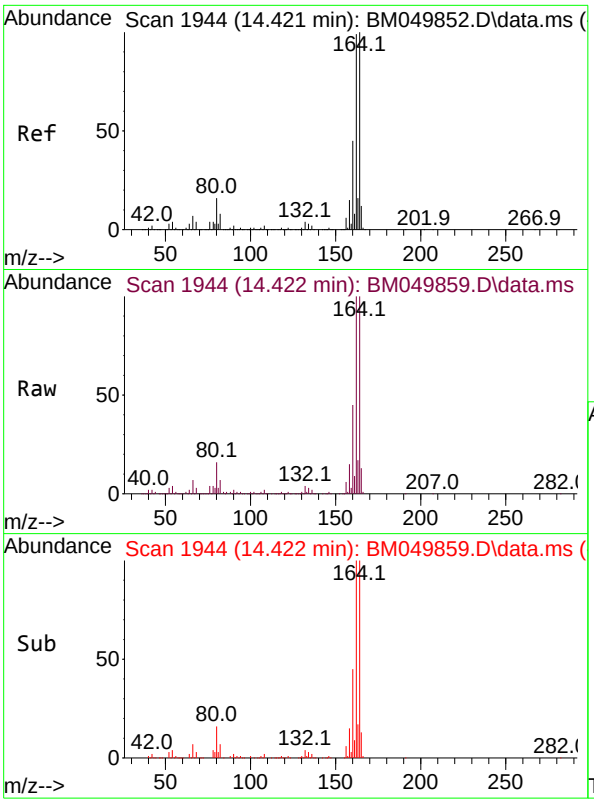


#38
1-Methylnaphthalene
Concen: 41.064 ng
RT: 12.457 min Scan# 1610
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:142 Resp: 1470447

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.2	108.2
116	3.5	2.9	4.3



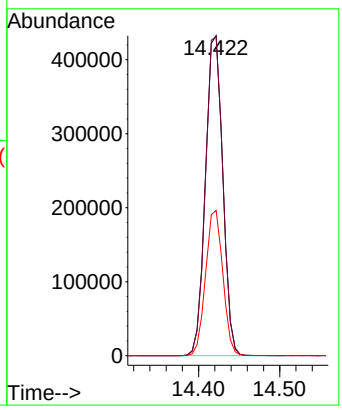


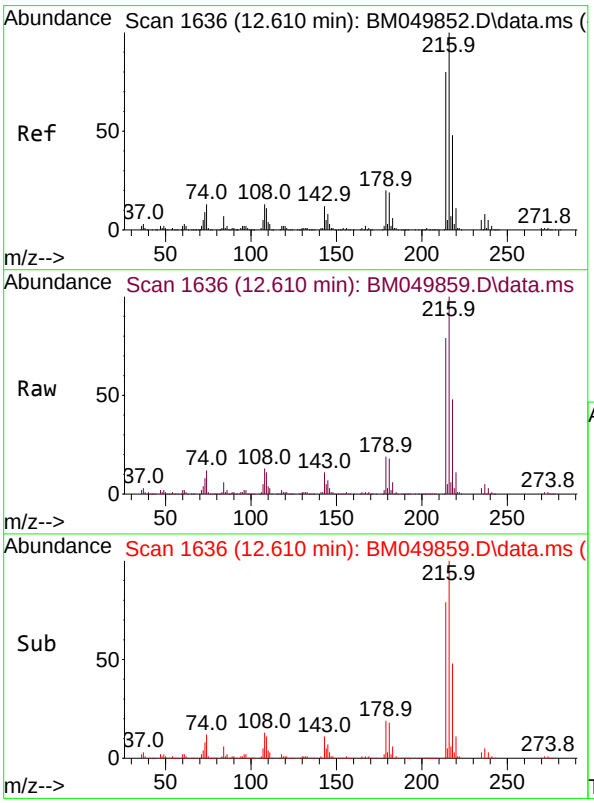
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 639621

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.4	119.0
160	45.4	36.2	54.2

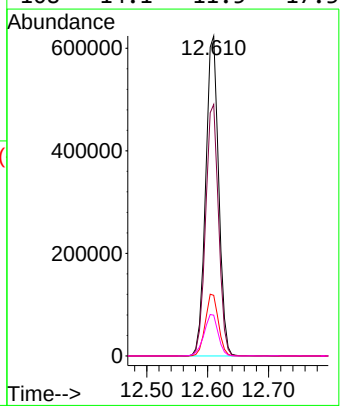


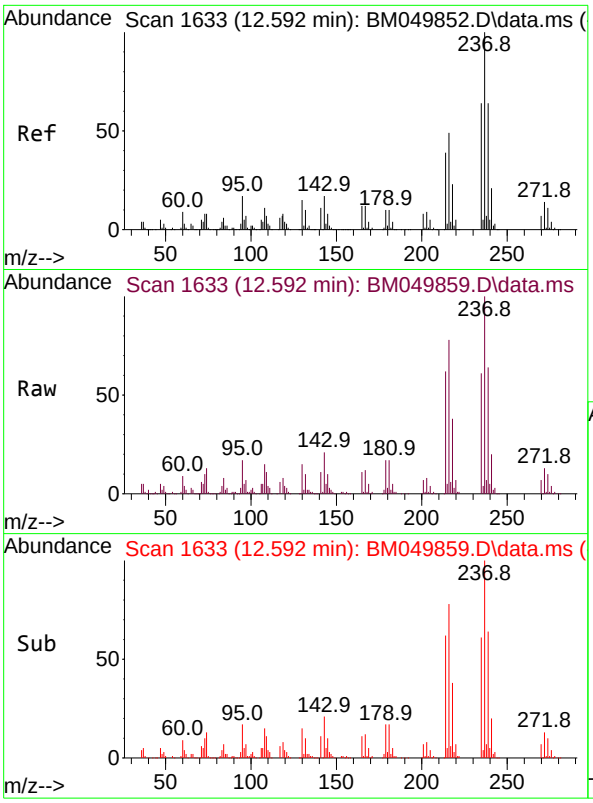


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.284 ng
RT: 12.610 min Scan# 1636
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:216 Resp: 923807

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.2	94.8
179	19.5	15.8	23.6
108	14.1	11.5	17.3



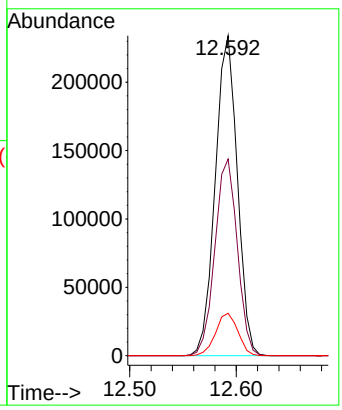


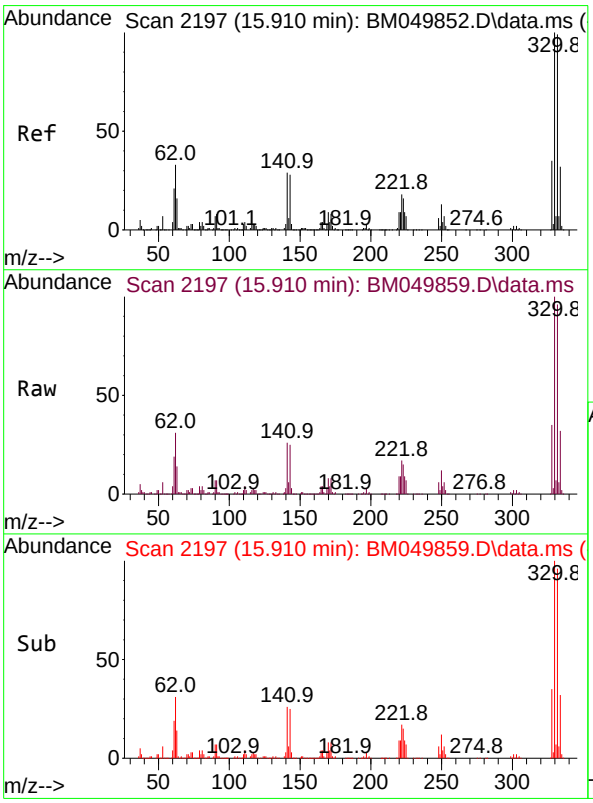
#41
Hexachlorocyclopentadiene
Concen: 42.977 ng
RT: 12.592 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 336985

Ion	Ratio	Lower	Upper
237	100		
235	61.4	43.7	83.7
272	13.3	0.0	33.5

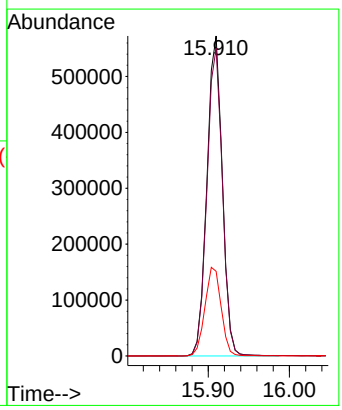


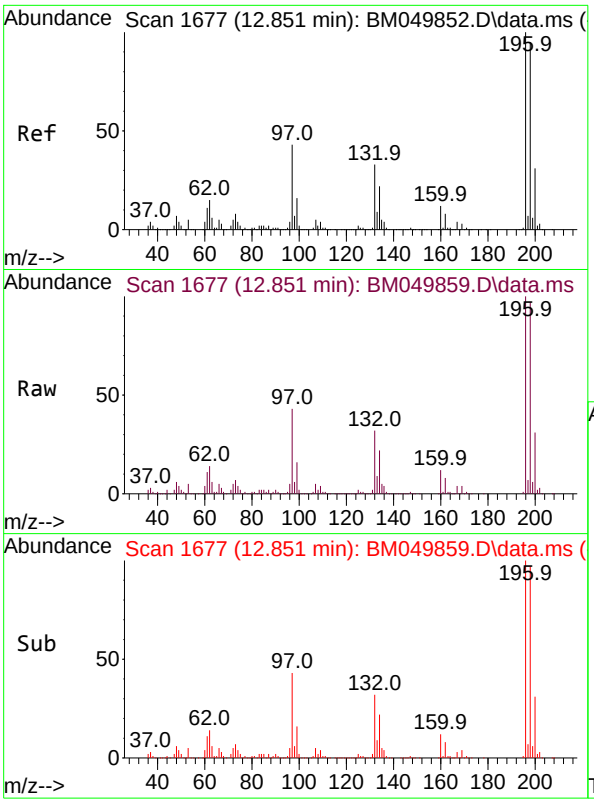


#42
2,4,6-Tribromophenol
Concen: 80.953 ng
RT: 15.910 min Scan# 2197
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:330 Resp: 753144

Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.0	117.0
141	29.2	23.5	35.3



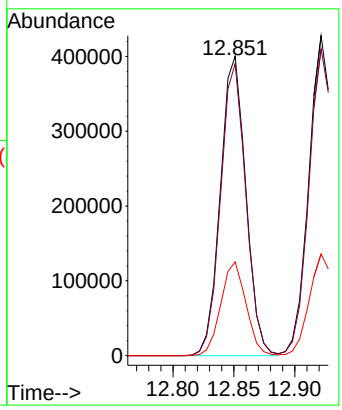


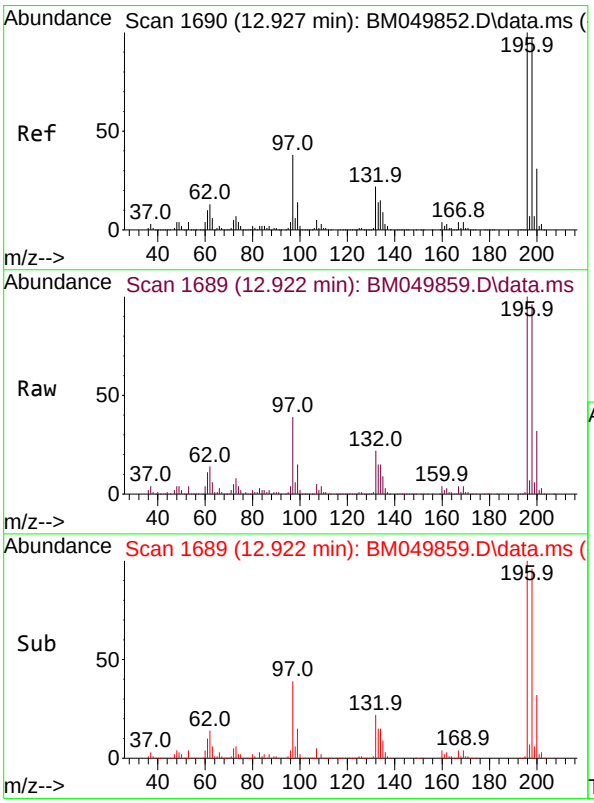
#43
2,4,6-Trichlorophenol
Concen: 41.039 ng
RT: 12.851 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 584357

Ion	Ratio	Lower	Upper
196	100		
198	97.5	76.1	114.1
200	31.3	24.7	37.1

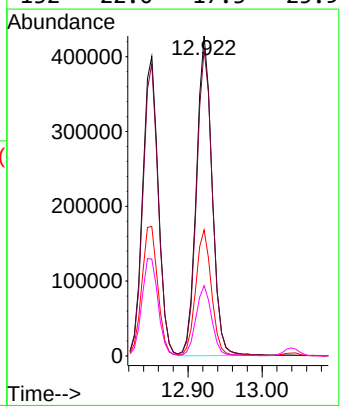


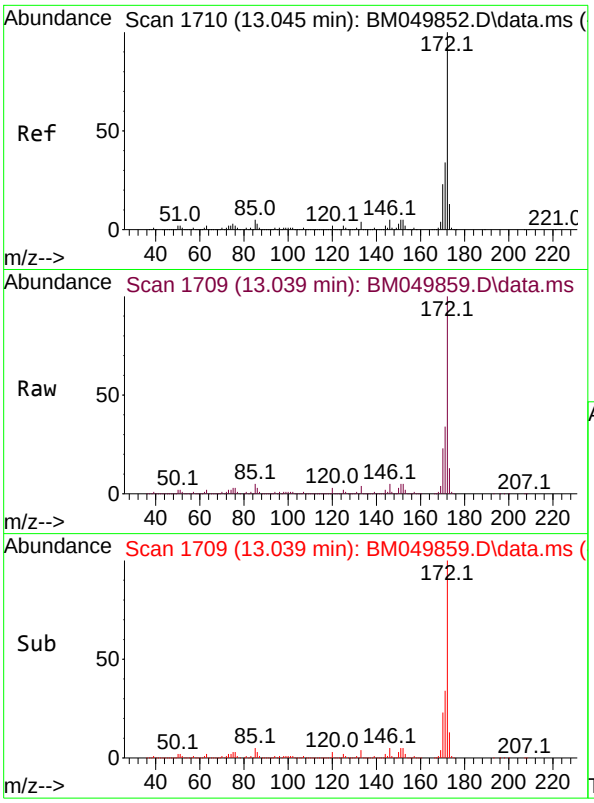


#44
2,4,5-Trichlorophenol
Concen: 40.530 ng
RT: 12.922 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:196 Resp: 627159

Ion	Ratio	Lower	Upper
196	100		
198	95.9	77.7	116.5
97	39.4	30.3	45.5
132	22.0	17.3	25.9



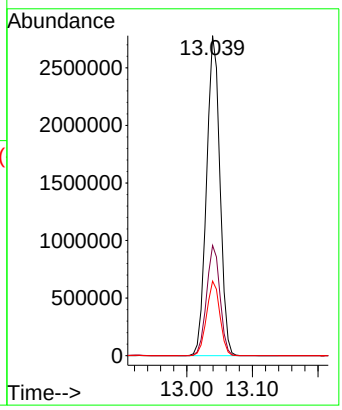


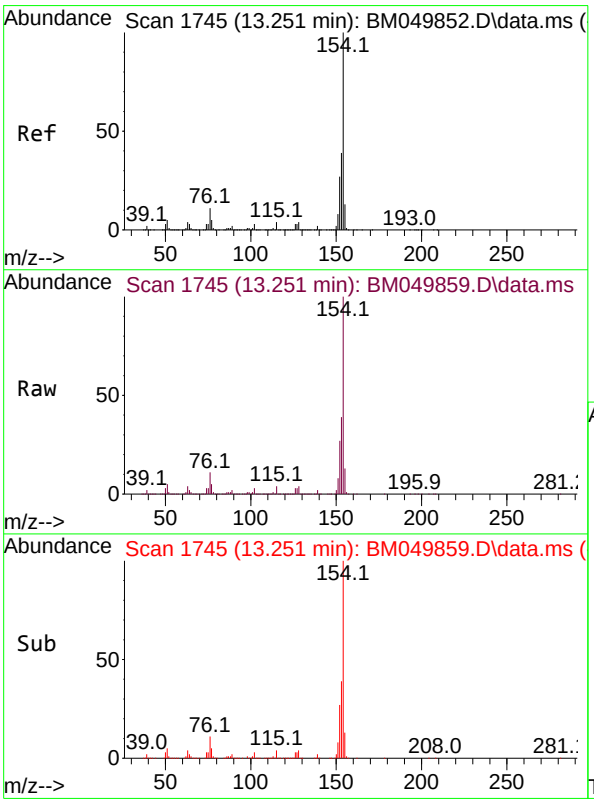
#45
2-Fluorobiphenyl
Concen: 83.577 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 3942276

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.4	41.2
170	23.3	18.6	28.0

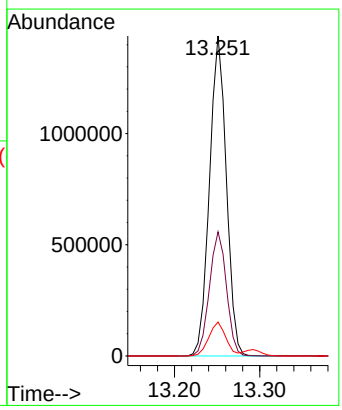


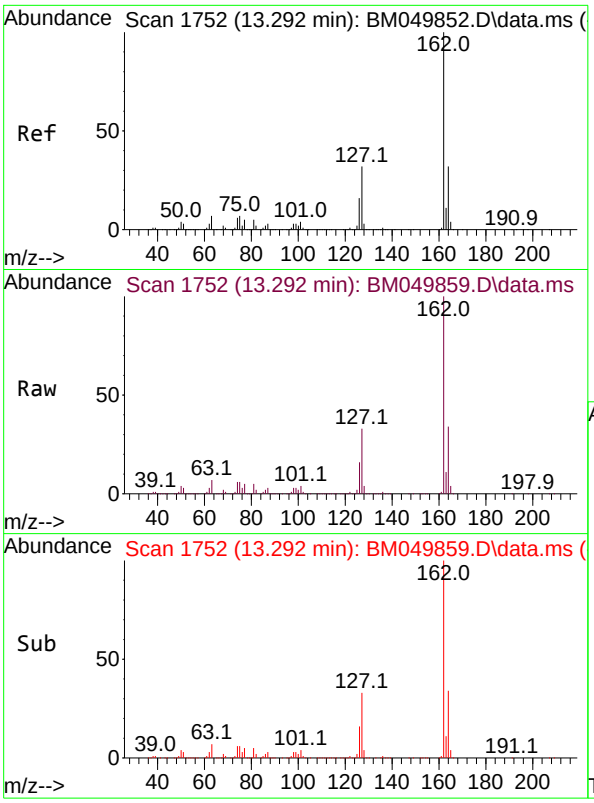


#46
1,1'-Biphenyl
Concen: 41.524 ng
RT: 13.251 min Scan# 1745
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:154 Resp: 1974373

Ion	Ratio	Lower	Upper
154	100		
153	38.8	19.3	59.3
76	10.6	0.0	30.7



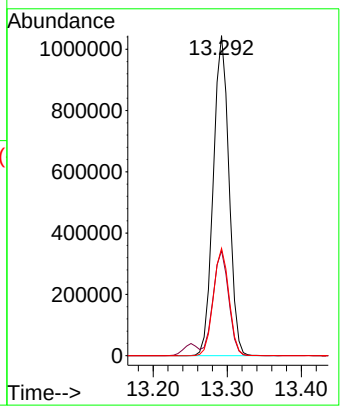


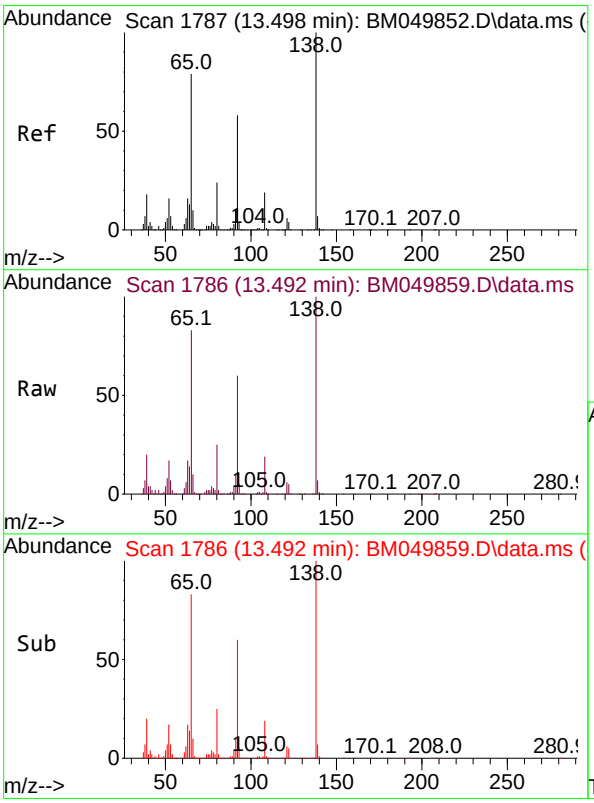
#47
2-Chloronaphthalene
Concen: 41.015 ng
RT: 13.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 1532791

Ion	Ratio	Lower	Upper
162	100		
127	32.8	26.0	39.0
164	33.6	25.9	38.9

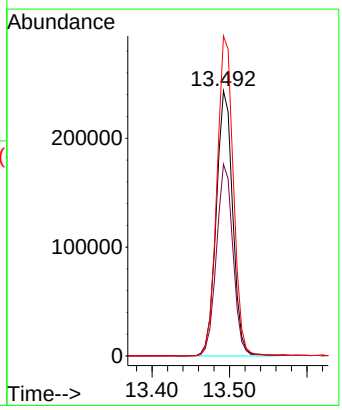


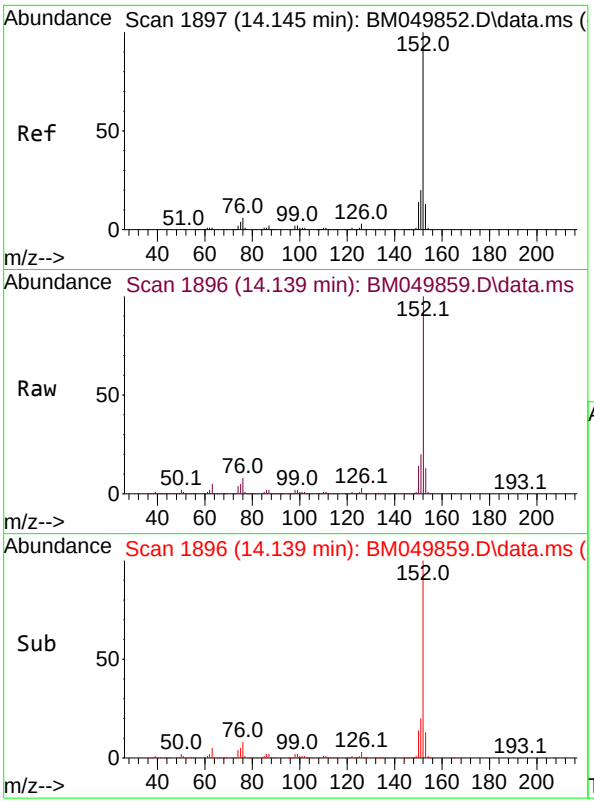


#48
2-Nitroaniline
Concen: 41.593 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion: 65 Resp: 359600

Ion	Ratio	Lower	Upper
65	100		
92	72.3	58.4	87.6
138	120.7	100.8	151.2



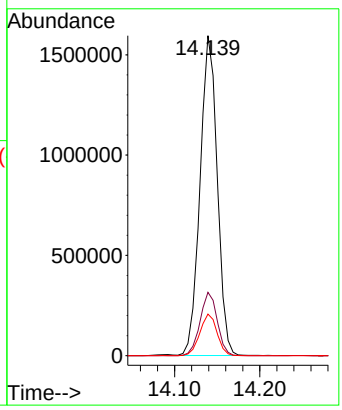


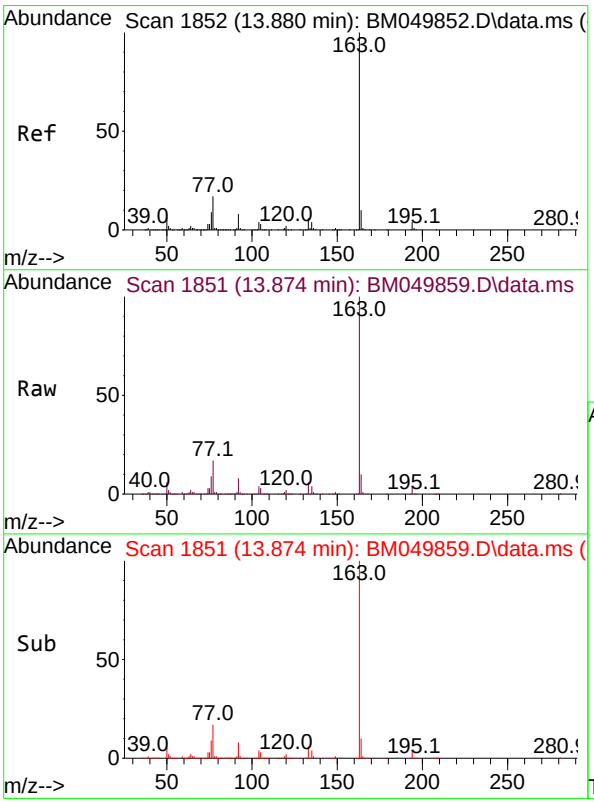
#49
Acenaphthylene
Concen: 41.073 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 2235881

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.0	10.4	15.6

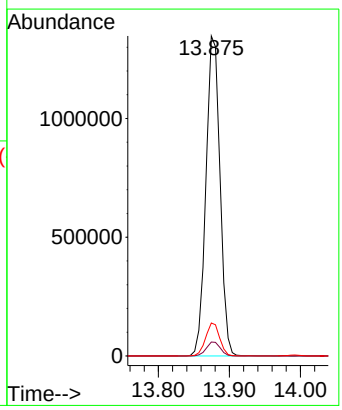


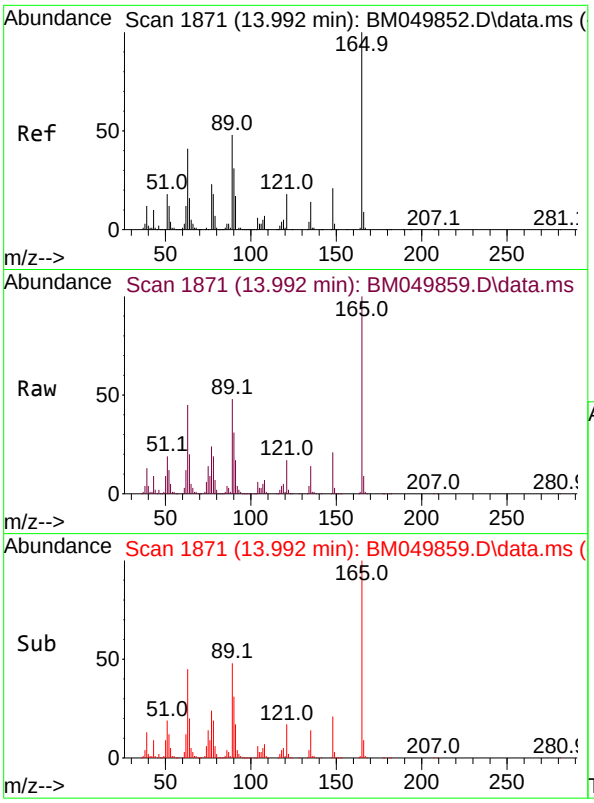


#50
Dimethylphthalate
Concen: 41.189 ng
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:163 Resp: 1858623

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.3	7.9	11.9



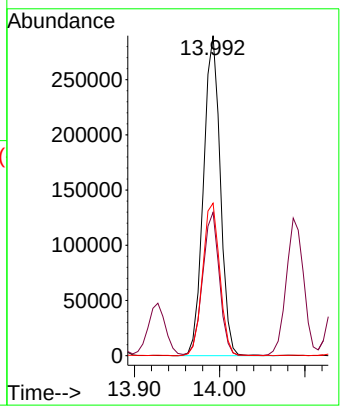


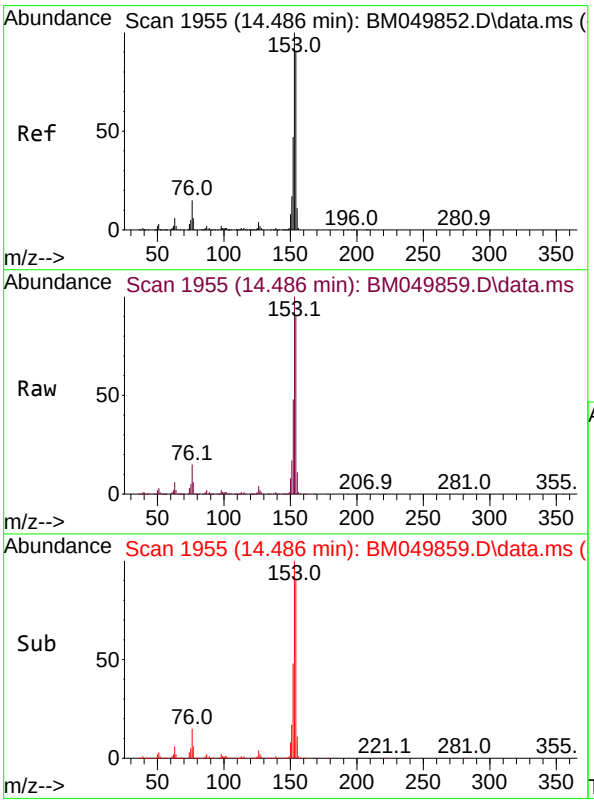
#51
2,6-Dinitrotoluene
Concen: 41.996 ng
RT: 13.992 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 397040

Ion	Ratio	Lower	Upper
165	100		
63	44.8	36.1	54.1
89	47.6	38.3	57.5

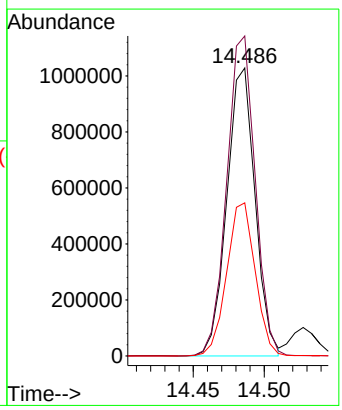


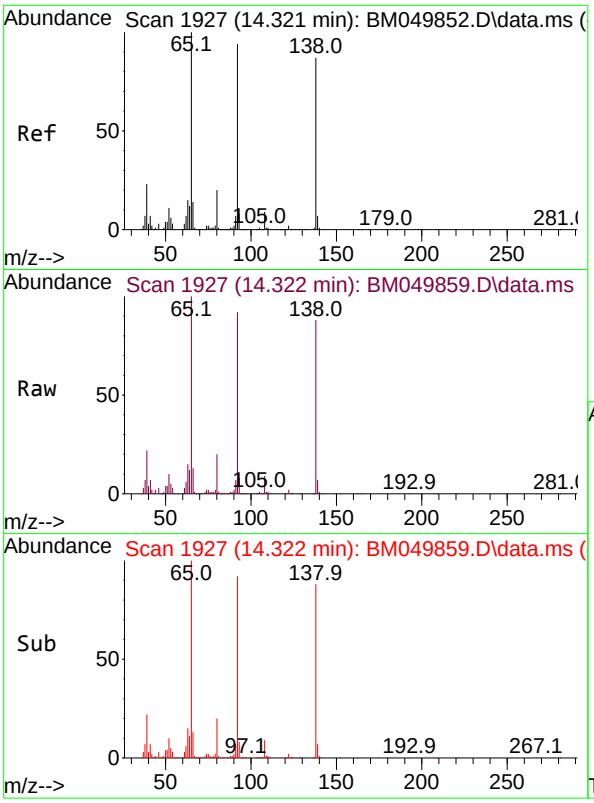


#52
Acenaphthene
Concen: 41.171 ng
RT: 14.486 min Scan# 1955
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:154 Resp: 1425611

Ion	Ratio	Lower	Upper
154	100		
153	111.1	89.3	133.9
152	53.1	42.2	63.2



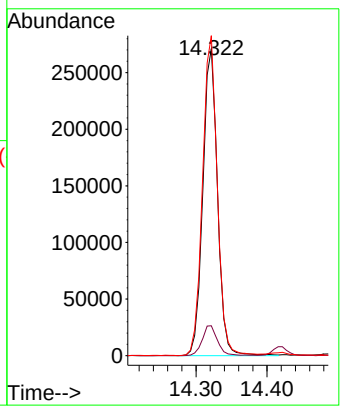


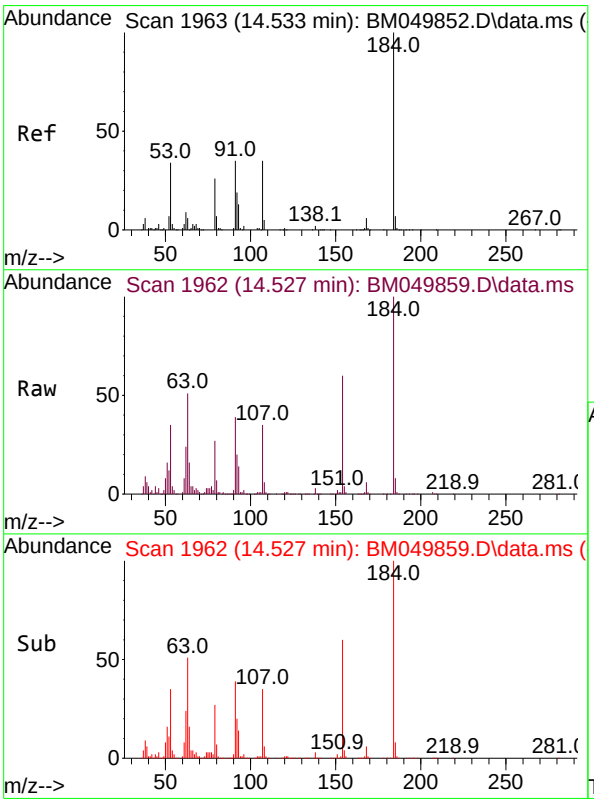
#53
3-Nitroaniline
Concen: 42.701 ng
RT: 14.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 390179

Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.1	12.1
92	104.2	86.5	129.7

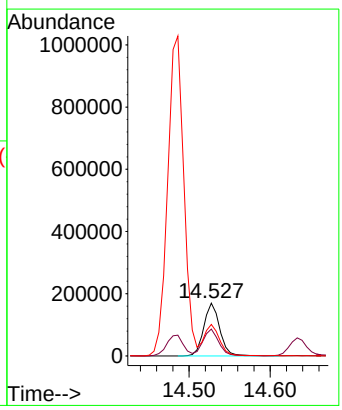


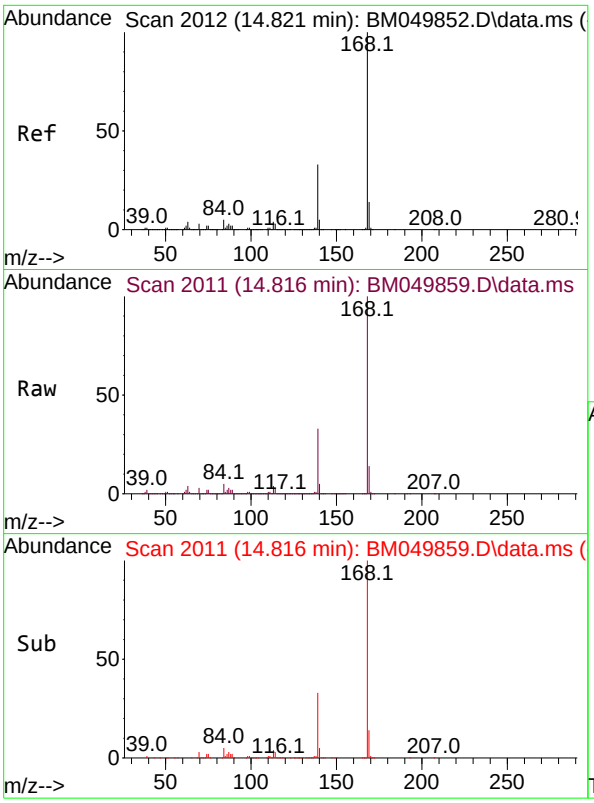


#54
2,4-Dinitrophenol
Concen: 38.069 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:184 Resp: 232138

Ion	Ratio	Lower	Upper
184	100		
63	50.9	38.4	57.6
154	59.8	48.1	72.1



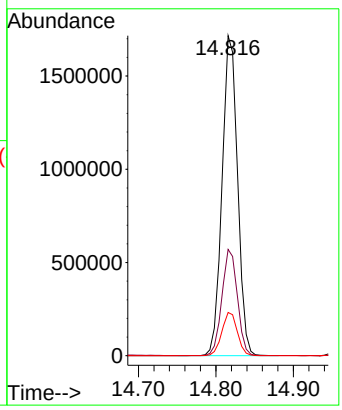


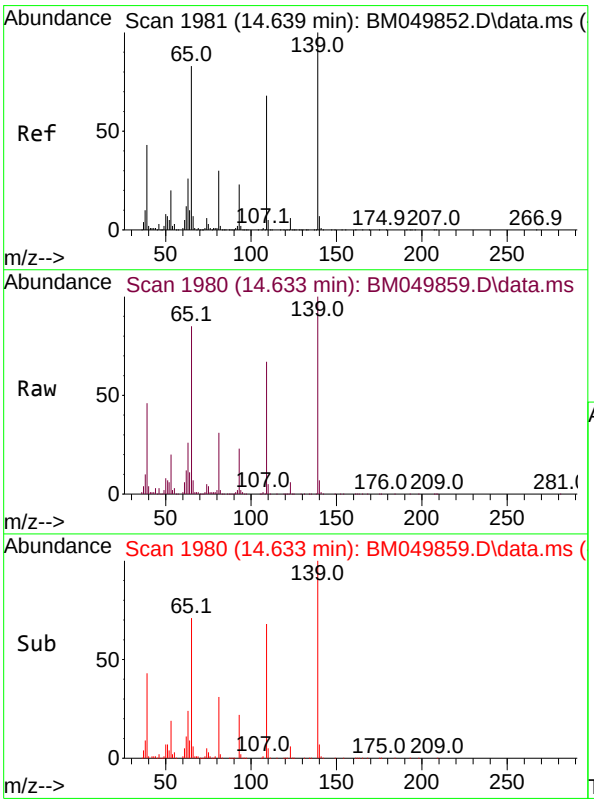
#55
Dibenzofuran
Concen: 41.175 ng
RT: 14.816 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 2383415

Ion	Ratio	Lower	Upper
168	100		
139	33.2	26.6	39.8
169	13.5	11.0	16.4

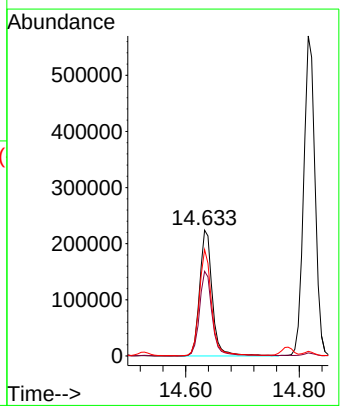


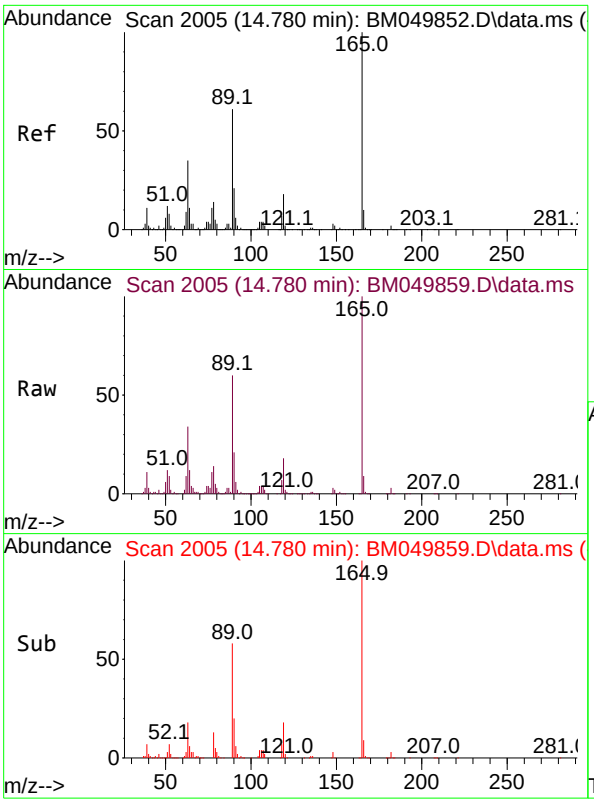


#56
4-Nitrophenol
Concen: 42.636 ng
RT: 14.633 min Scan# 1980
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:139 Resp: 347174

Ion	Ratio	Lower	Upper
139	100		
109	67.3	47.9	87.9
65	84.6	62.7	102.7



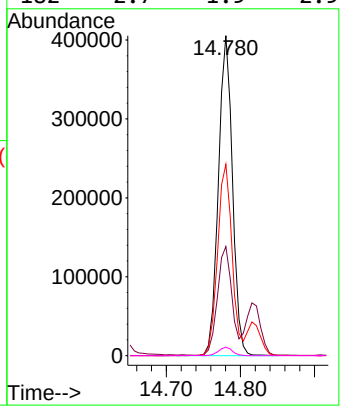


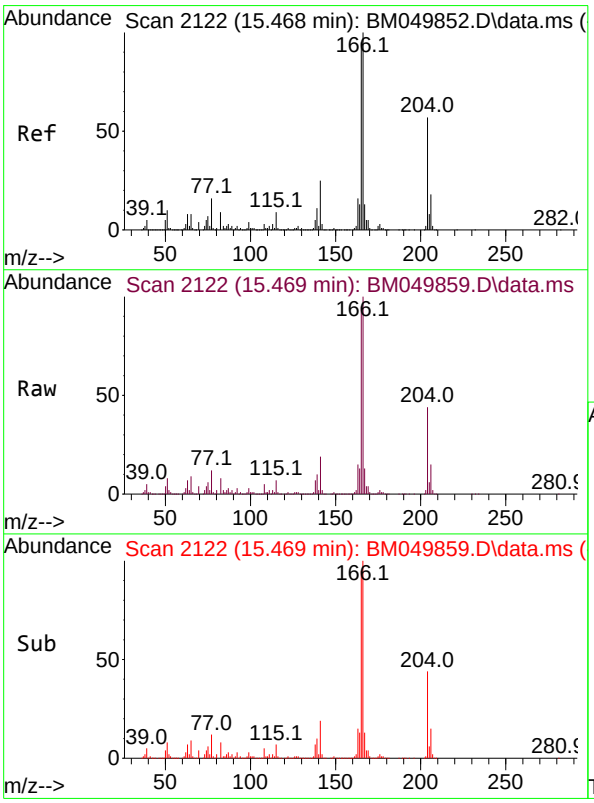
#57
2,4-Dinitrotoluene
Concen: 42.388 ng
RT: 14.780 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 534617

Ion	Ratio	Lower	Upper
165	100		
63	34.1	28.6	42.8
89	59.8	49.0	73.6
182	2.7	1.9	2.9

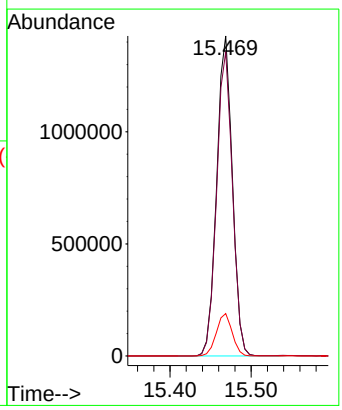


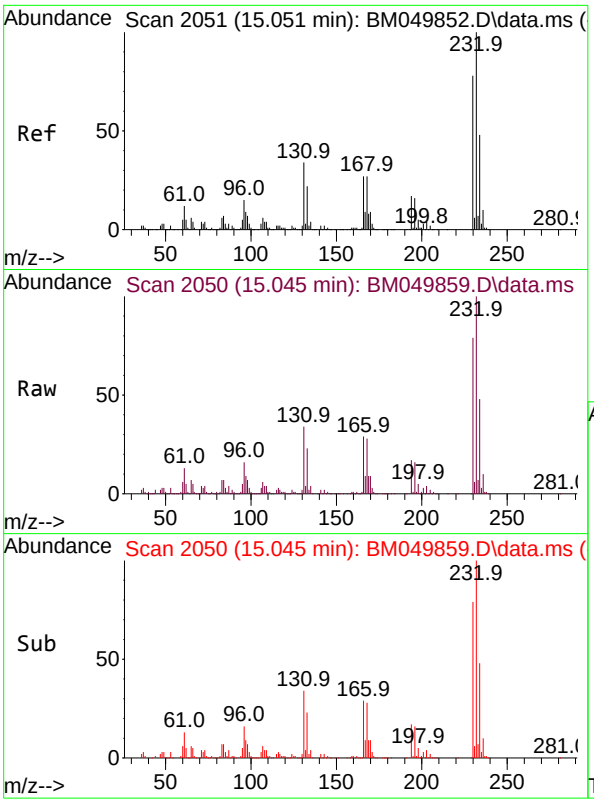


#58
Fluorene
Concen: 41.695 ng
RT: 15.469 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:166 Resp: 1918474

Ion	Ratio	Lower	Upper
166	100		
165	95.1	76.3	114.5
167	13.2	10.7	16.1



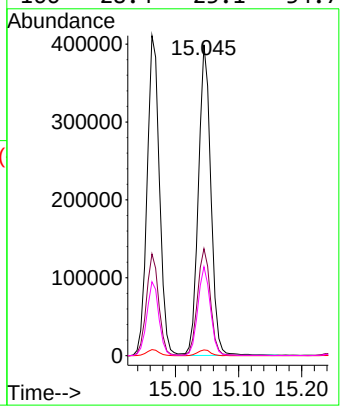


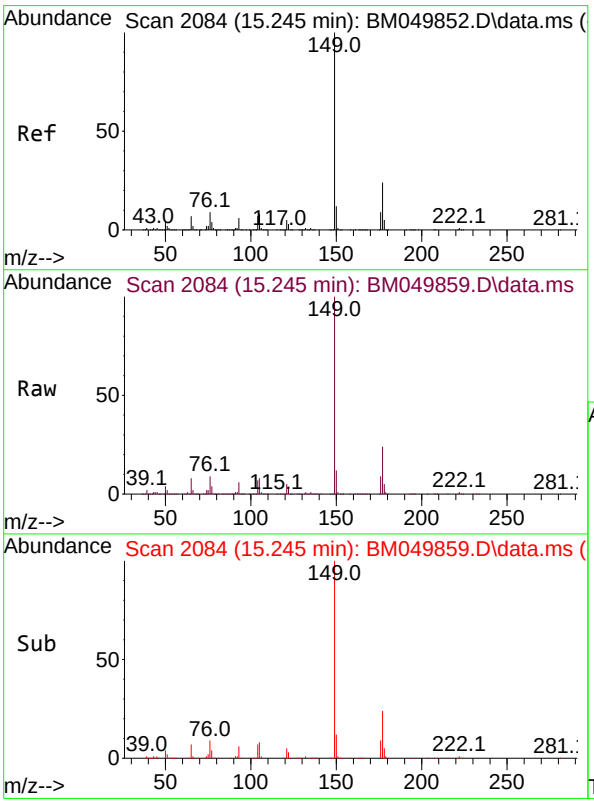
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.243 ng
RT: 15.045 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 545791

Ion	Ratio	Lower	Upper
232	100		
131	35.2	28.4	42.6
130	1.9	1.6	2.4
166	28.4	23.1	34.7

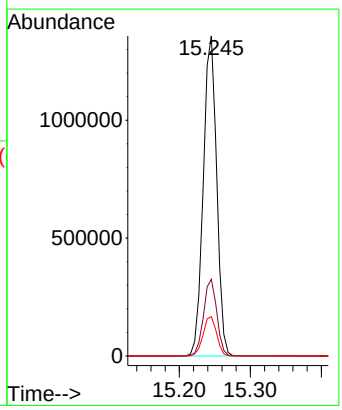


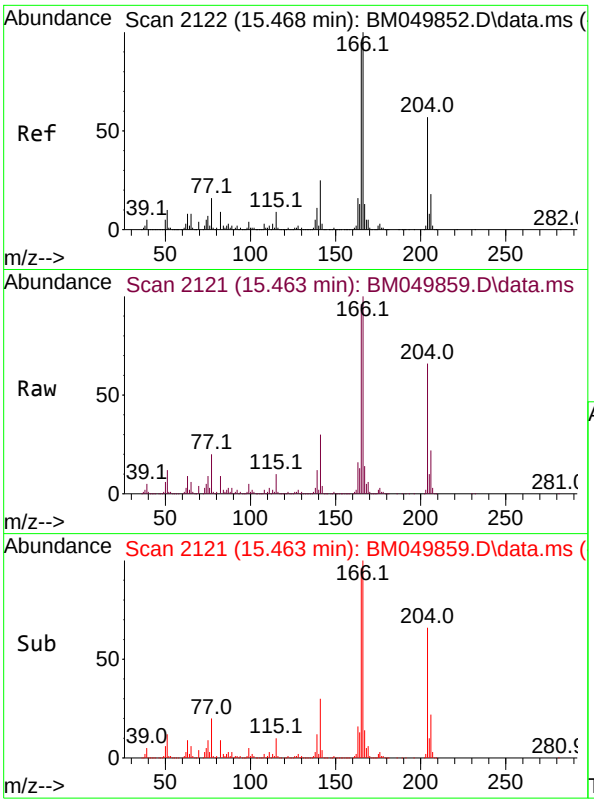


#60
Diethylphthalate
Concen: 41.221 ng
RT: 15.245 min Scan# 2084
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:149 Resp: 1783776

Ion	Ratio	Lower	Upper
149	100		
177	24.0	19.0	28.4
150	12.2	9.7	14.5



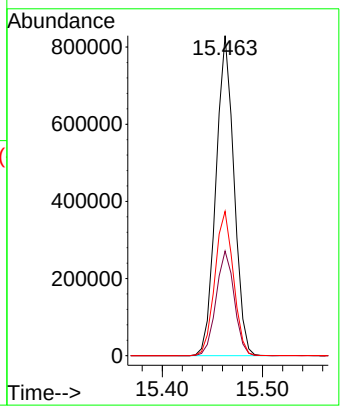


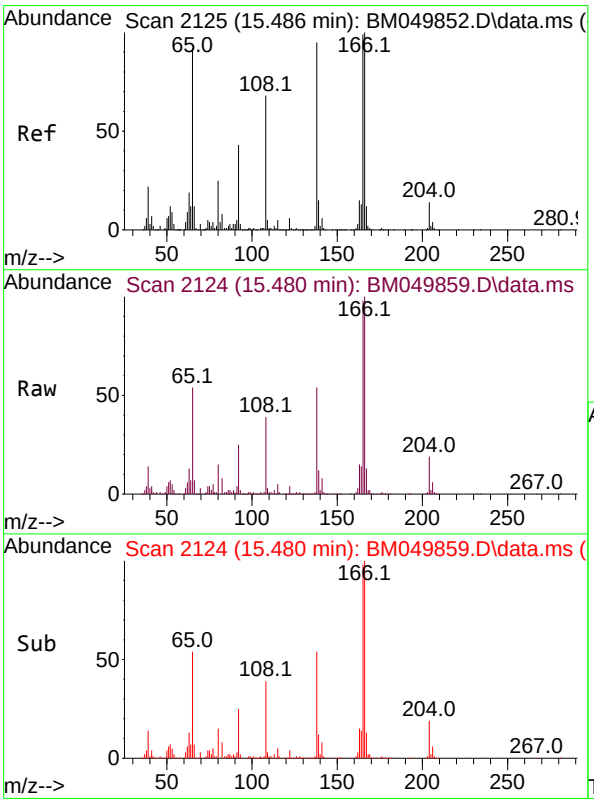
#61
4-Chlorophenyl-phenylether
Concen: 41.905 ng
RT: 15.463 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 1033755

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.2	39.2
141	45.1	35.0	52.6

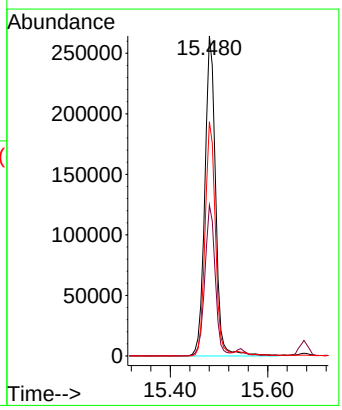


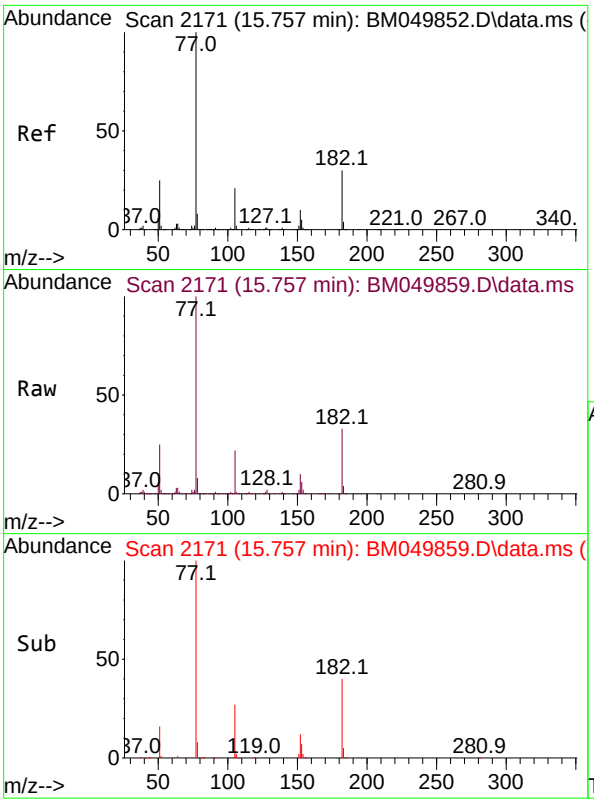


#62
4-Nitroaniline
Concen: 42.866 ng
RT: 15.480 min Scan# 2124
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:138 Resp: 405060

Ion	Ratio	Lower	Upper
138	100		
92	47.2	24.9	64.9
108	73.2	51.7	91.7



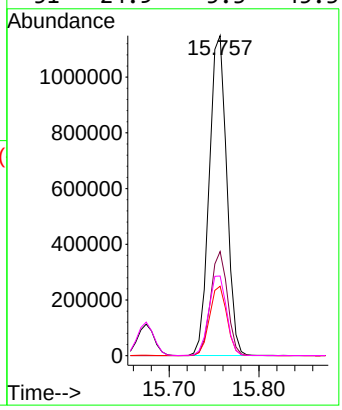


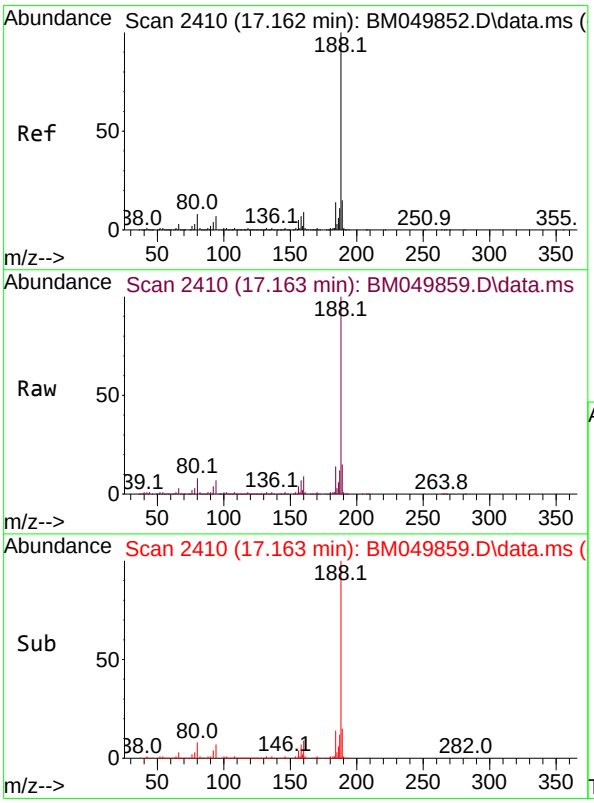
#63
Azobenzene
Concen: 41.769 ng
RT: 15.757 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1547471

Ion	Ratio	Lower	Upper
77	100		
182	32.6	10.4	50.4
105	21.7	1.5	41.5
51	24.9	5.3	45.3

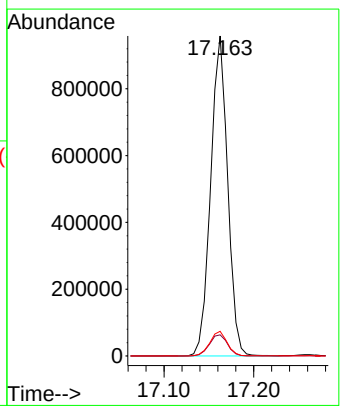


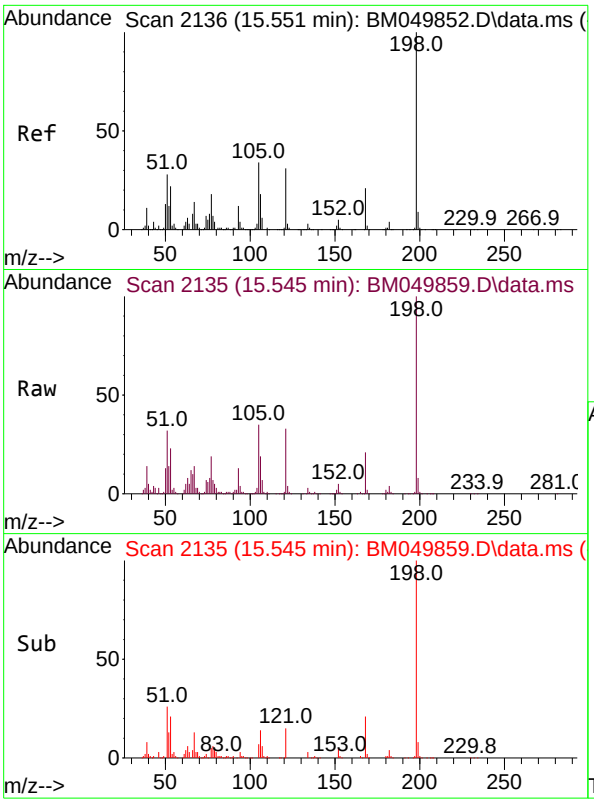


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.163 min Scan# 2410
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:188 Resp: 1259632

Ion	Ratio	Lower	Upper
188	100		
94	6.6	5.8	8.6
80	7.7	6.4	9.6



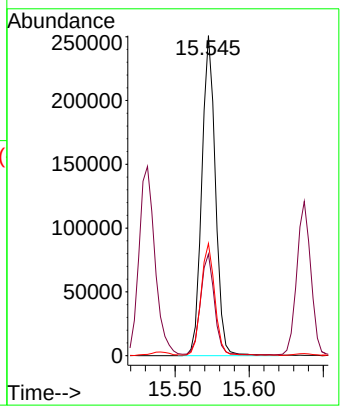


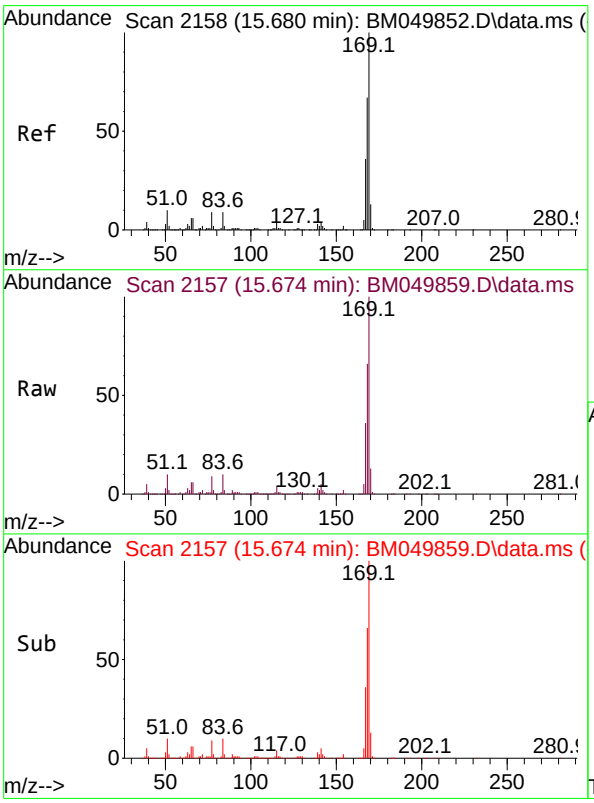
#65
4,6-Dinitro-2-methylphenol
Concen: 40.477 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 321288

Ion	Ratio	Lower	Upper
198	100		
51	31.7	9.6	49.6
105	35.1	14.7	54.7

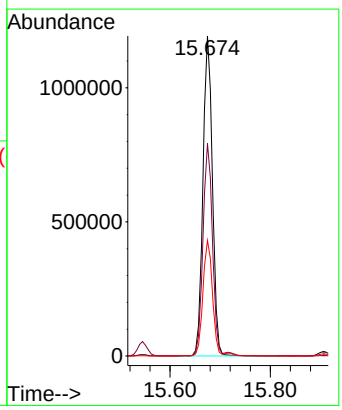


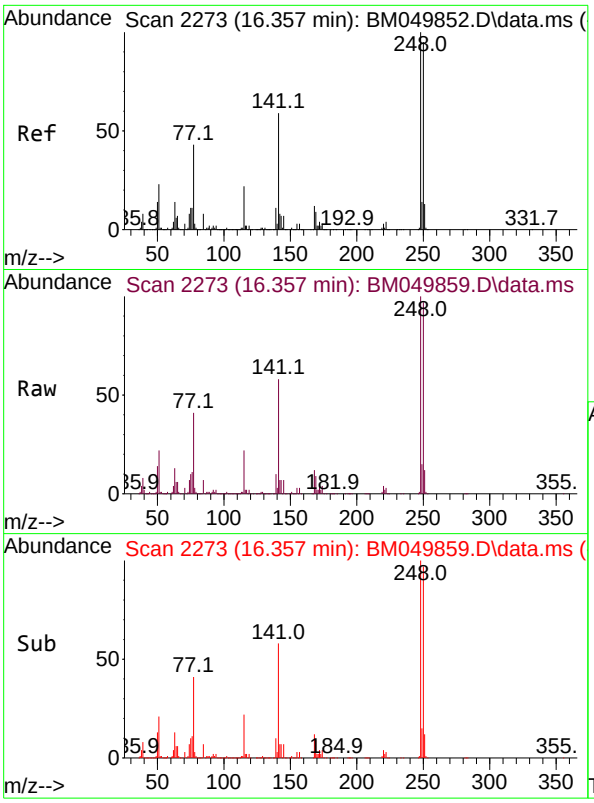


#66
n-Nitrosodiphenylamine
Concen: 41.426 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:169 Resp: 1561601

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.4	80.2
167	36.1	29.0	43.6



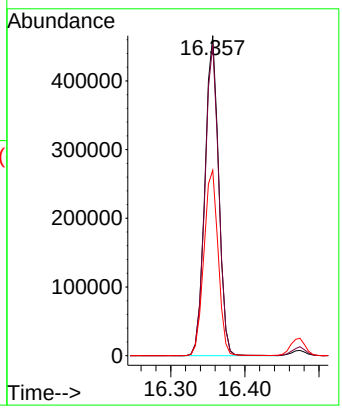


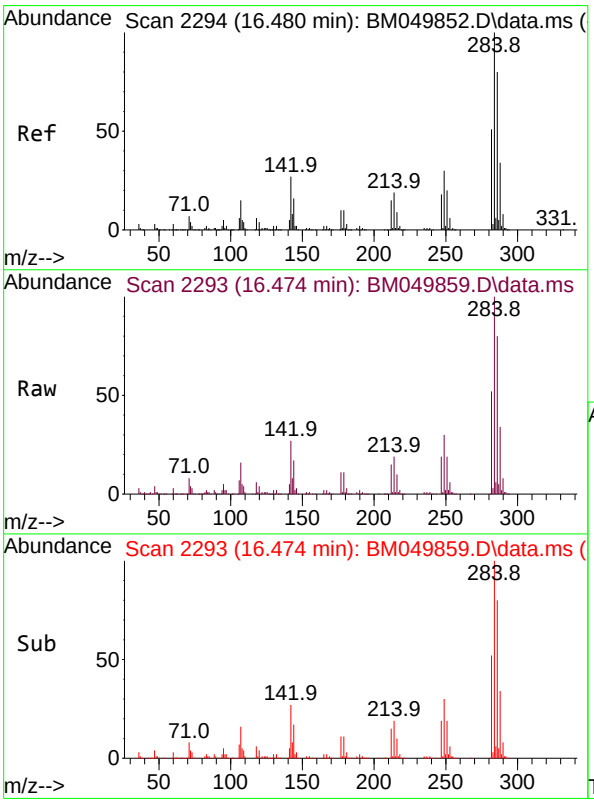
#67
4-Bromophenyl-phenylether
Concen: 40.958 ng
RT: 16.357 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 598914

Ion	Ratio	Lower	Upper
248	100		
250	97.2	76.2	114.2
141	58.0	47.3	70.9

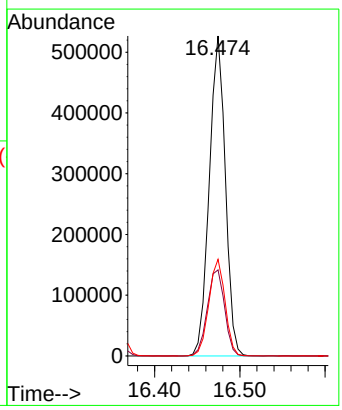


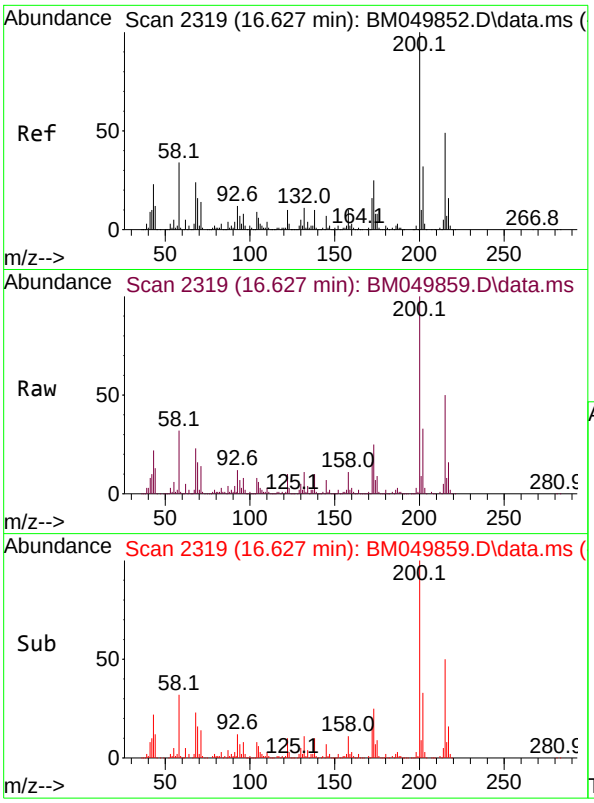


#68
Hexachlorobenzene
Concen: 41.097 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:284 Resp: 689312

Ion	Ratio	Lower	Upper
284	100		
142	26.9	21.2	31.8
249	30.2	24.1	36.1



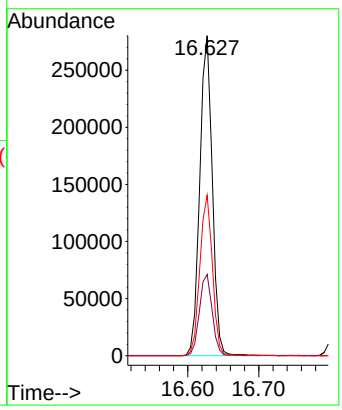


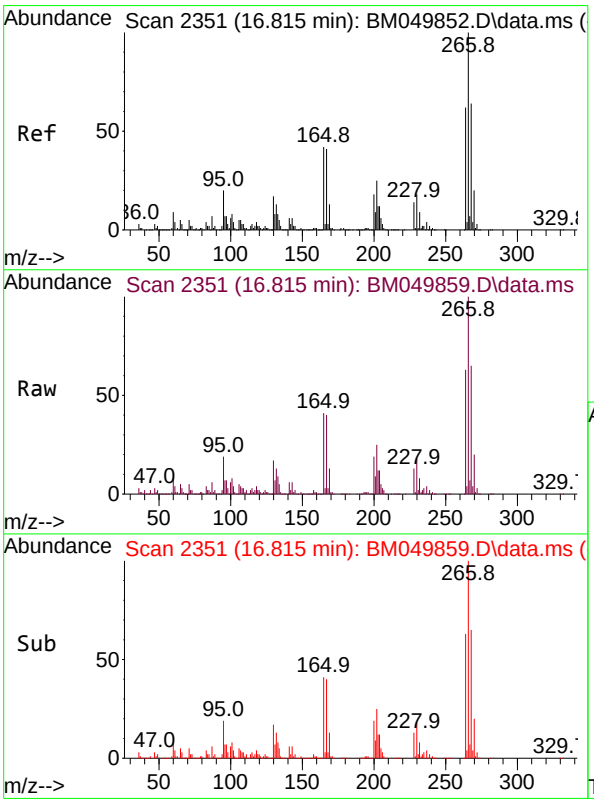
#69
Atrazine
Concen: 35.286 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 344885

Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.4	45.4
215	50.1	29.0	69.0

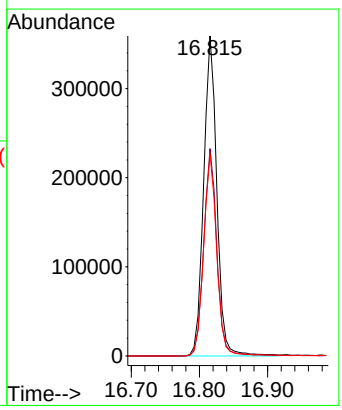


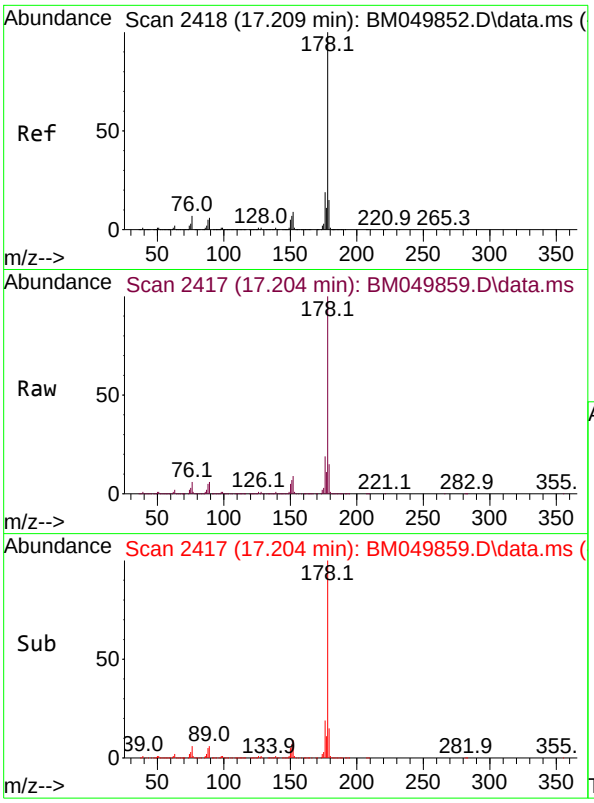


#70
Pentachlorophenol
Concen: 39.115 ng
RT: 16.815 min Scan# 2351
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:266 Resp: 483011

Ion	Ratio	Lower	Upper
266	100		
268	64.8	51.4	77.2
264	63.0	49.8	74.8



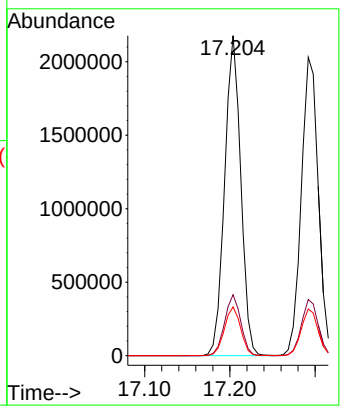


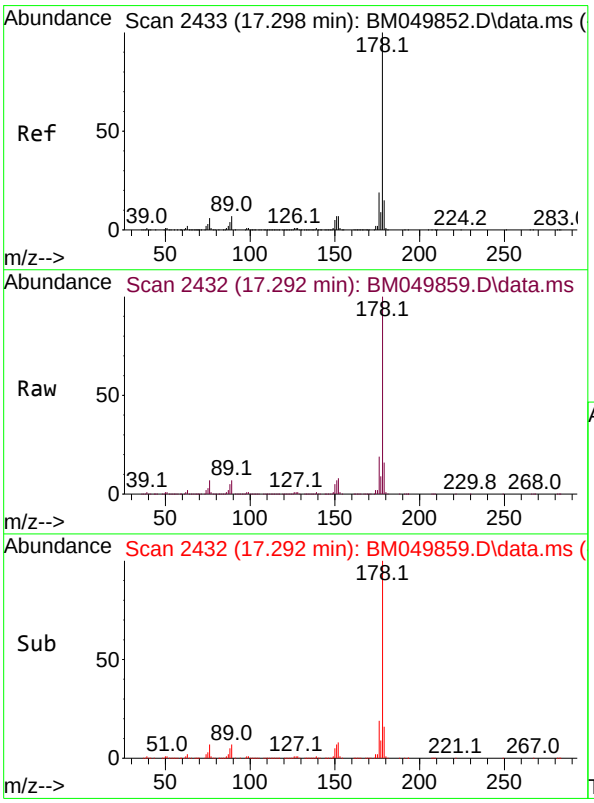
#71
Phenanthrene
Concen: 41.426 ng
RT: 17.204 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 2860783

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.4	23.2
179	15.2	12.3	18.5

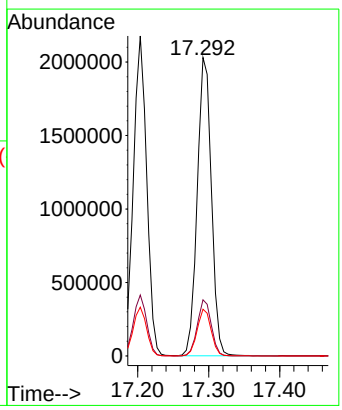


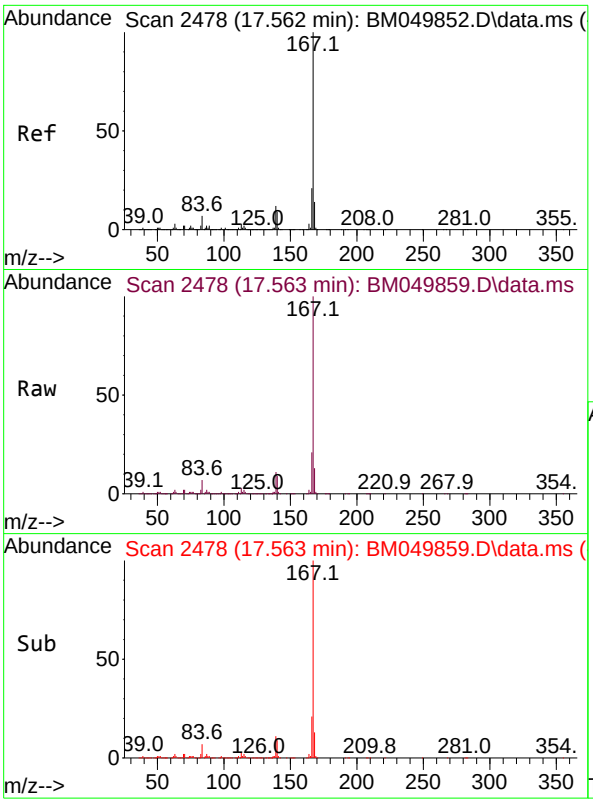


#72
Anthracene
Concen: 41.442 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:178 Resp: 2820342

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.7	12.4	18.6



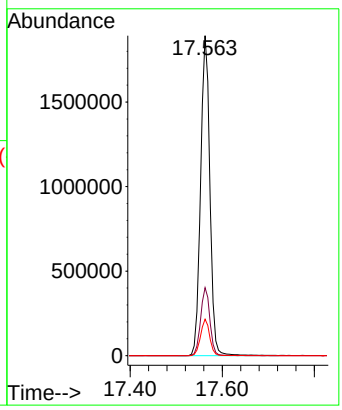


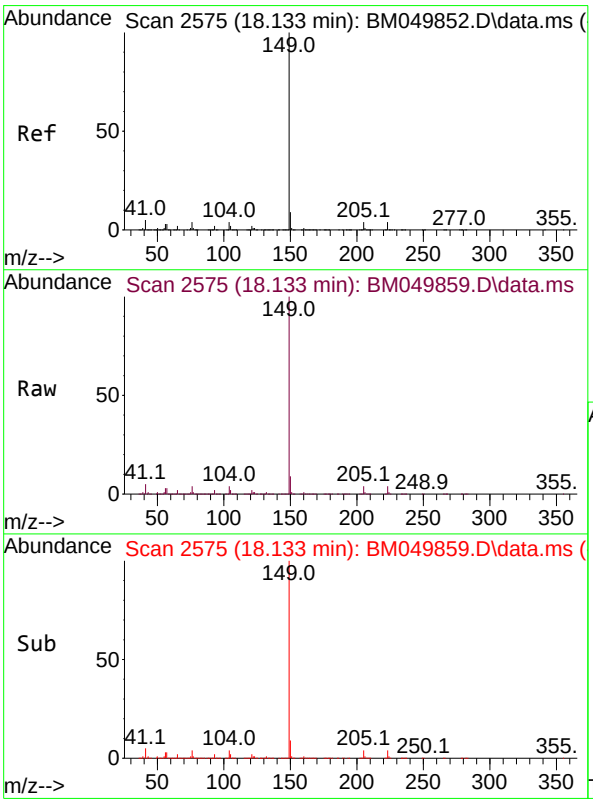
#73
Carbazole
Concen: 41.450 ng
RT: 17.563 min Scan# 24
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 2656943

Ion	Ratio	Lower	Upper
167	100		
166	21.2	16.9	25.3
139	11.4	9.3	13.9

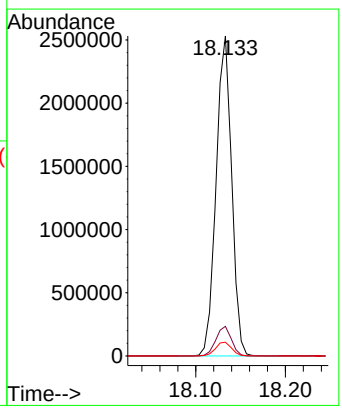


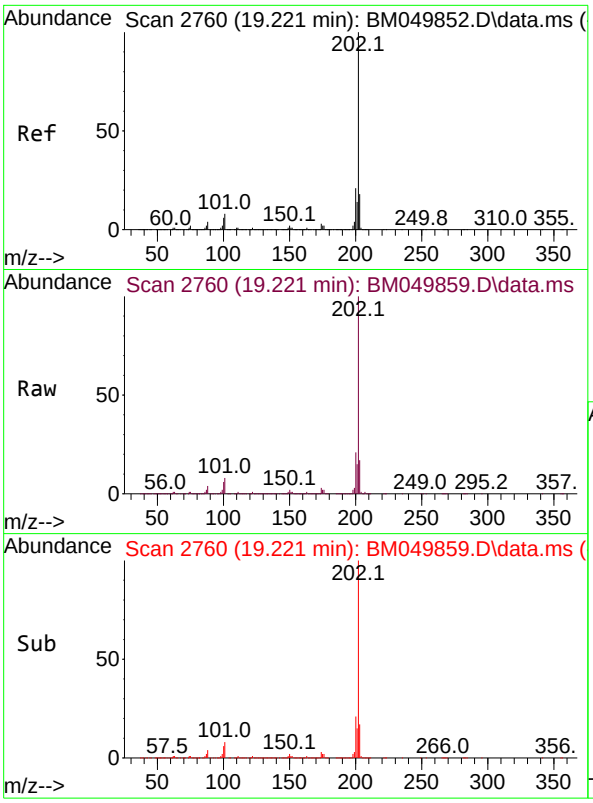


#74
Di-n-butylphthalate
Concen: 41.232 ng
RT: 18.133 min Scan# 2575
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:149 Resp: 3044210

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.3	3.5	5.3



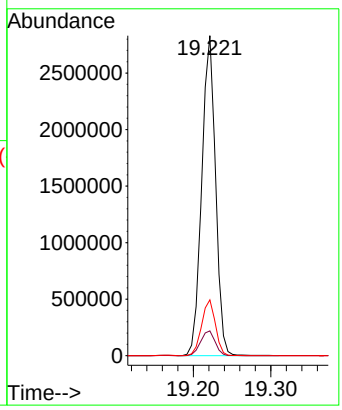


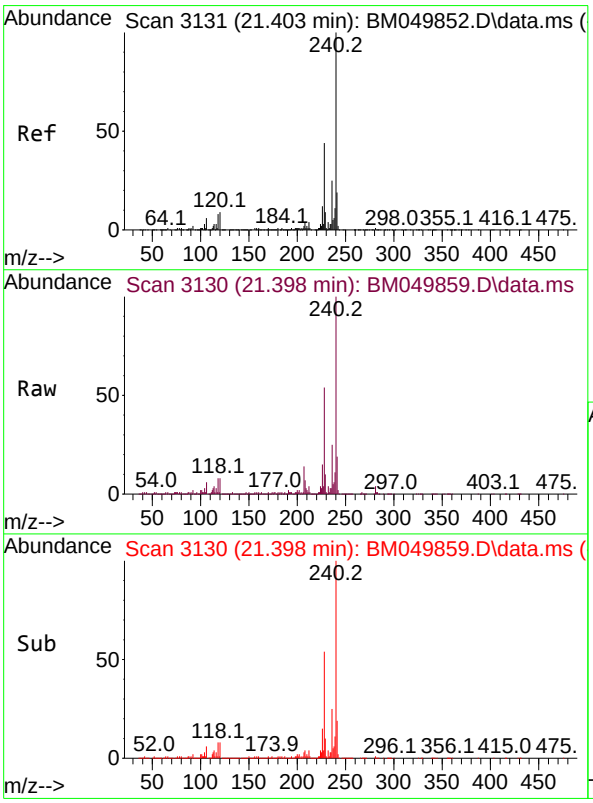
#75
Fluoranthene
Concen: 41.267 ng
RT: 19.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 3503995

Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	28.4
203	17.5	0.0	37.8

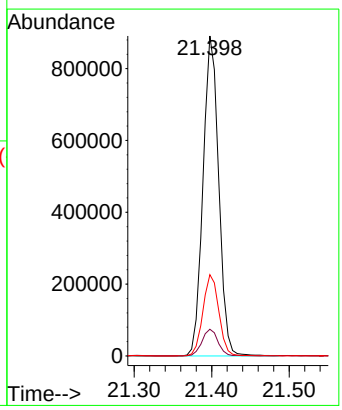


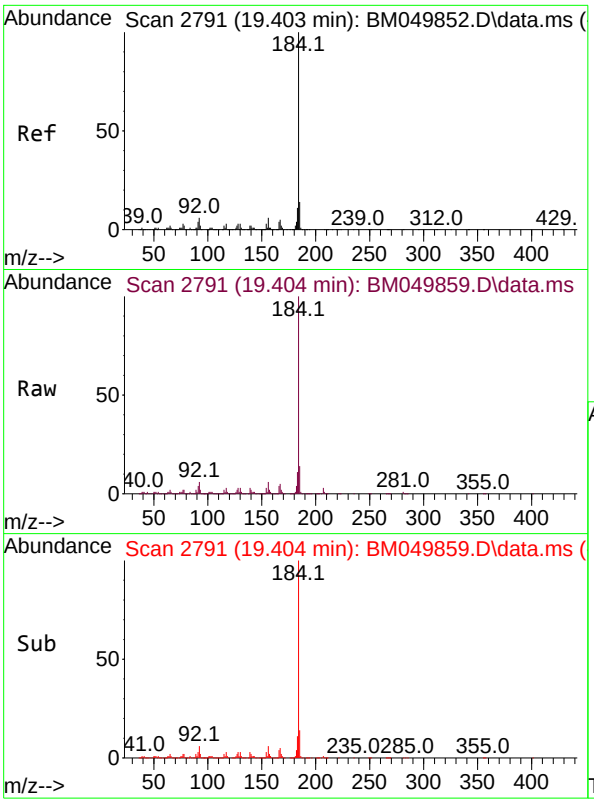


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.398 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:240 Resp: 1253559

Ion	Ratio	Lower	Upper
240	100		
120	8.4	6.9	10.3
236	25.4	20.4	30.6



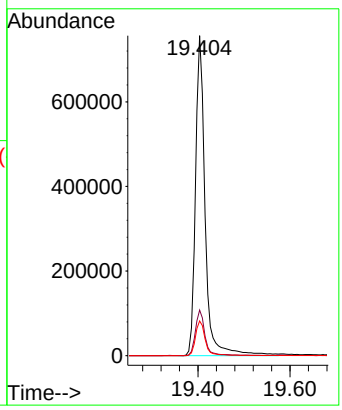


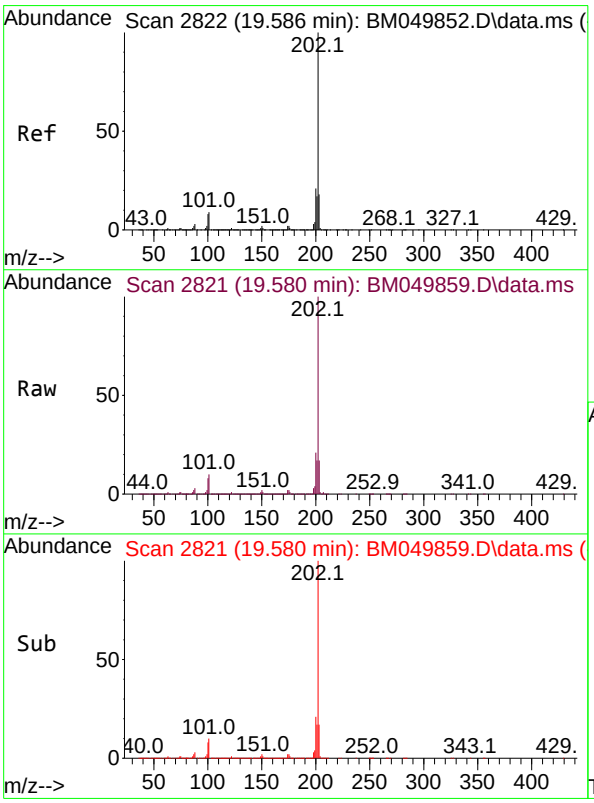
#77
Benzidine
Concen: 66.111 ng
RT: 19.404 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 1099441

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	10.8	8.8	13.2

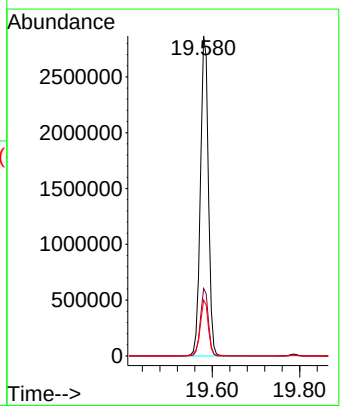


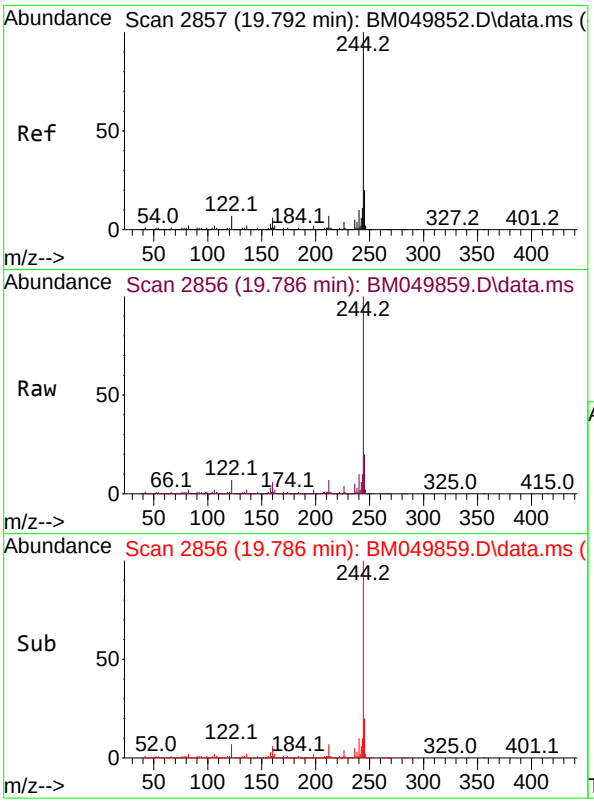


#78
Pyrene
Concen: 41.973 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:202 Resp: 3626164

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.5	24.7
203	17.5	14.0	21.0



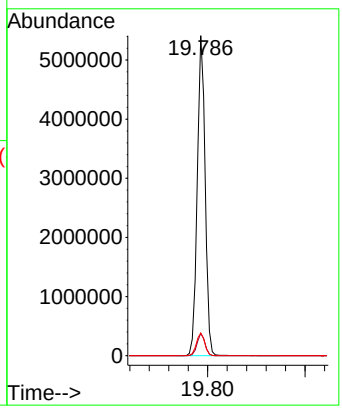


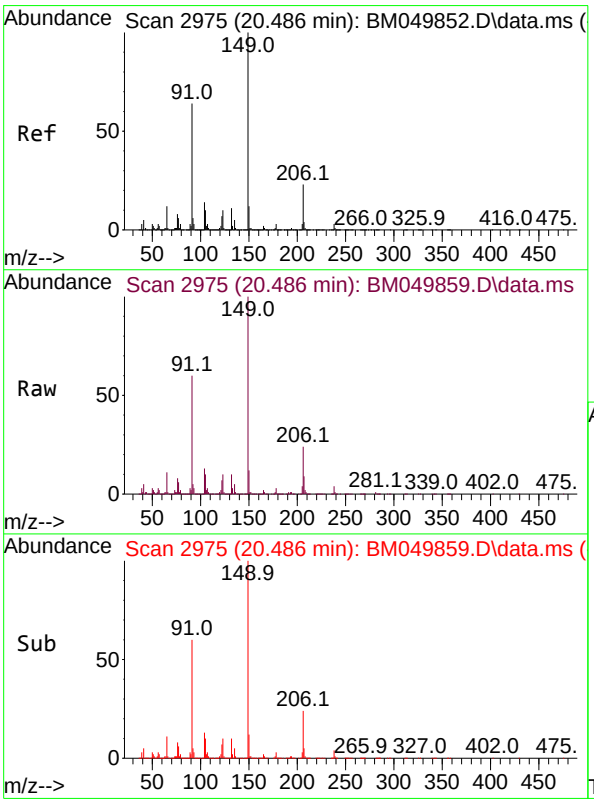
#79
Terphenyl-d14
Concen: 91.698 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 6133685

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	7.0	5.4	8.0

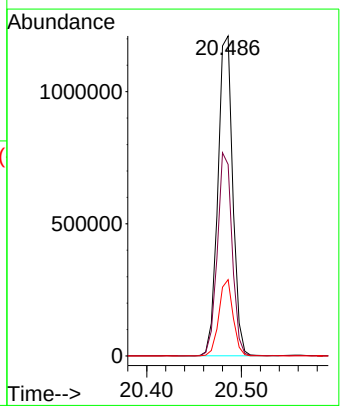


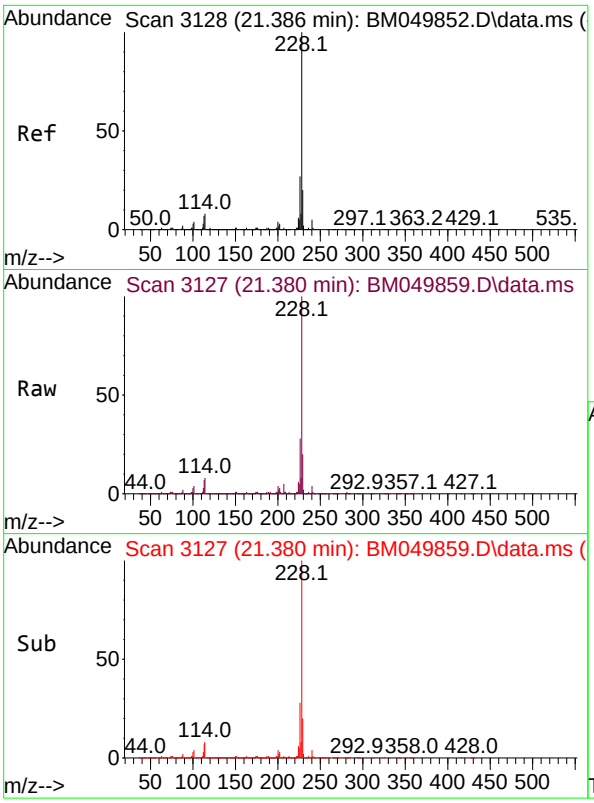


#80
Butylbenzylphthalate
Concen: 40.718 ng
RT: 20.486 min Scan# 2975
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:149 Resp: 1321828

Ion	Ratio	Lower	Upper
149	100		
91	59.9	50.9	76.3
206	23.9	18.4	27.6



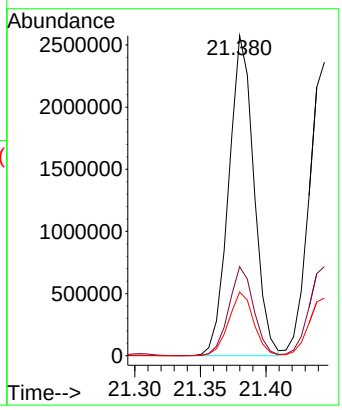


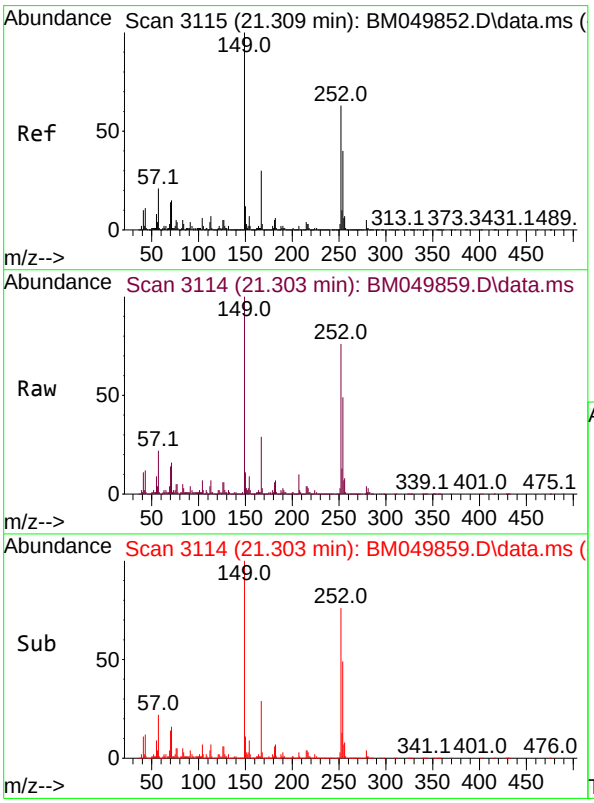
#81
Benzo(a)anthracene
Concen: 41.279 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3439017

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.8	32.8
229	19.9	15.8	23.8

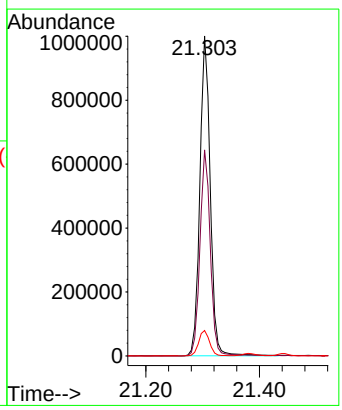


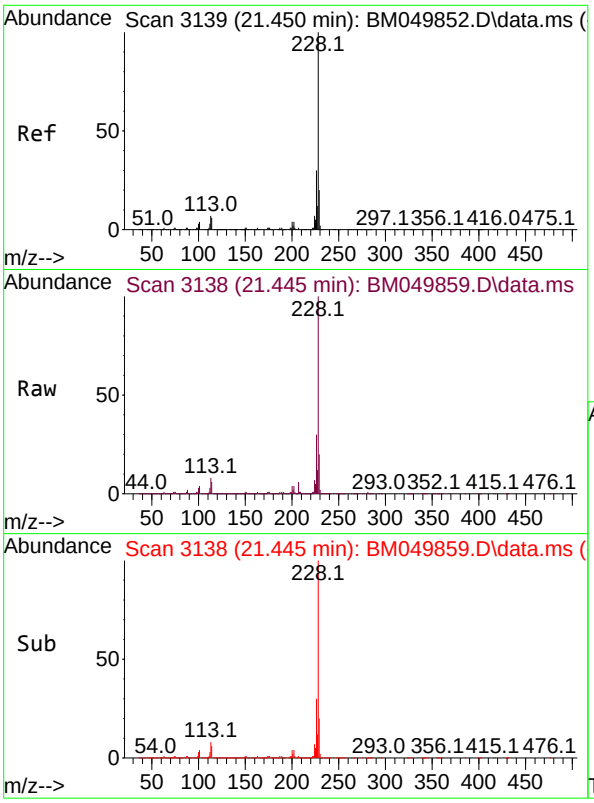


#82
3,3'-Dichlorobenzidine
Concen: 40.373 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:252 Resp: 1270196

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.5	77.3
126	8.0	6.3	9.5



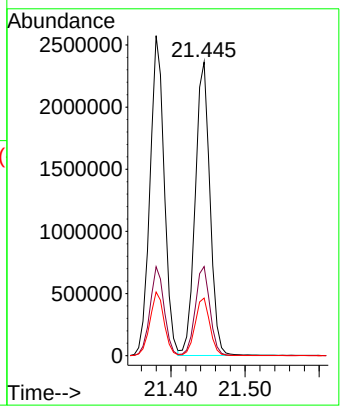


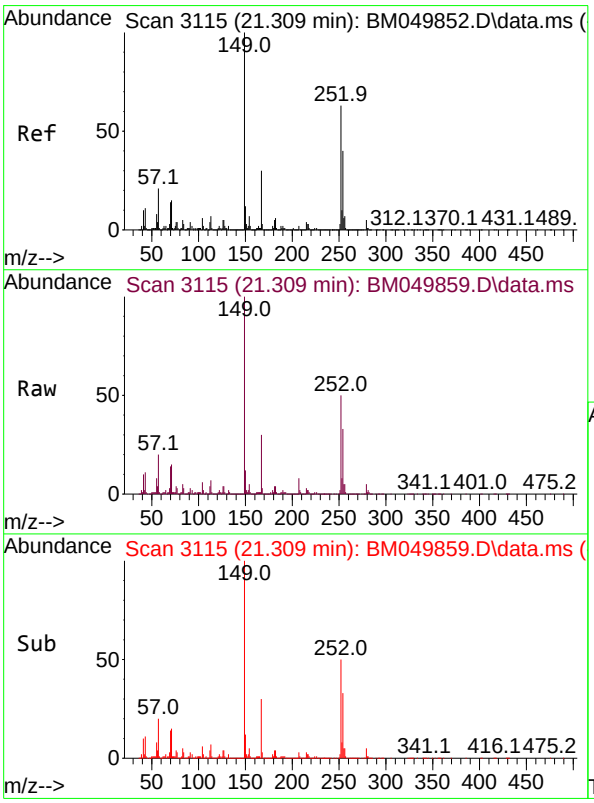
#83
Chrysene
Concen: 41.068 ng
RT: 21.445 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 3252778

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.1	36.1
229	19.6	15.8	23.6

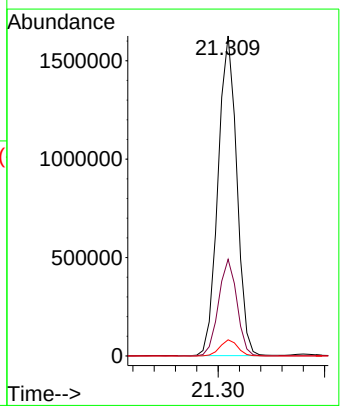


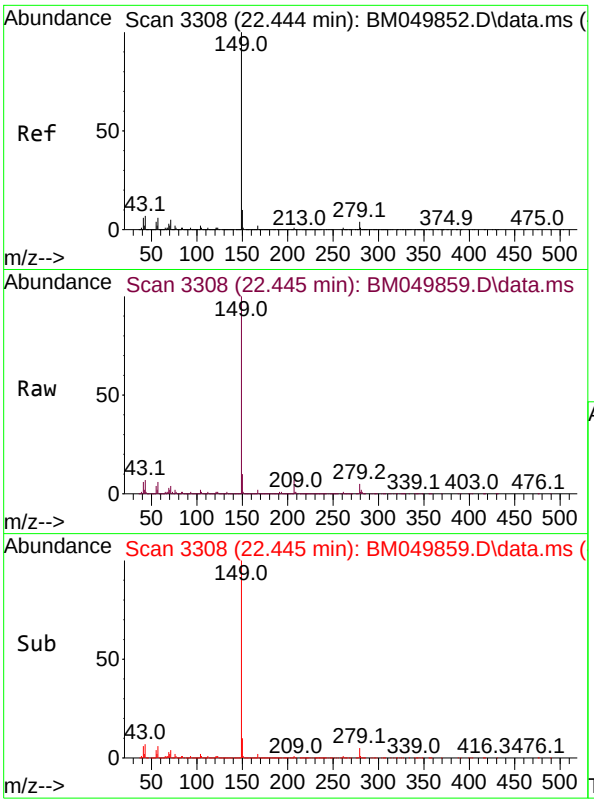


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.914 ng
RT: 21.309 min Scan# 3115
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:149 Resp: 1982392

Ion	Ratio	Lower	Upper
149	100		
167	30.2	23.8	35.6
279	5.1	3.8	5.8



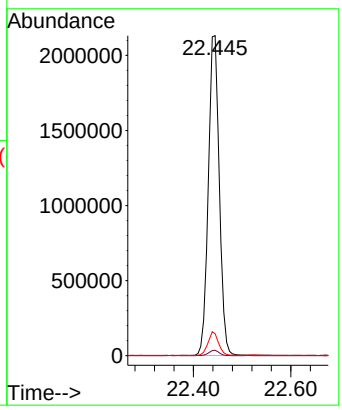


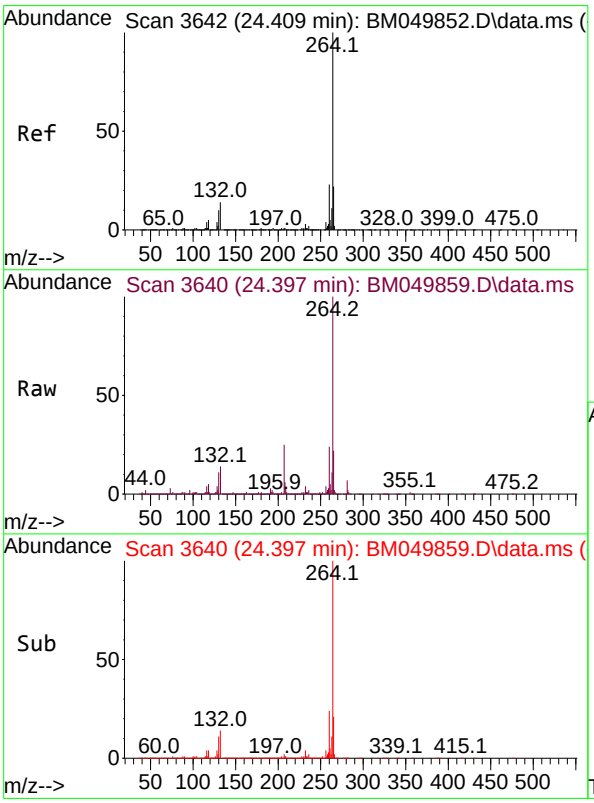
#85
Di-n-octyl phthalate
Concen: 40.029 ng
RT: 22.445 min Scan# 3
Delta R.T. 0.000 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 3312050

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.2	5.8	8.6

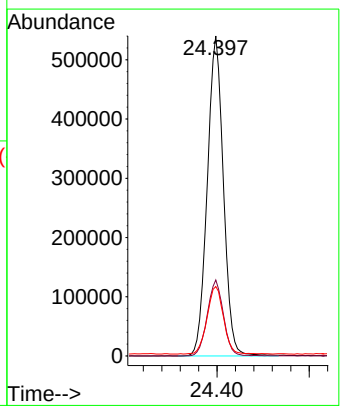


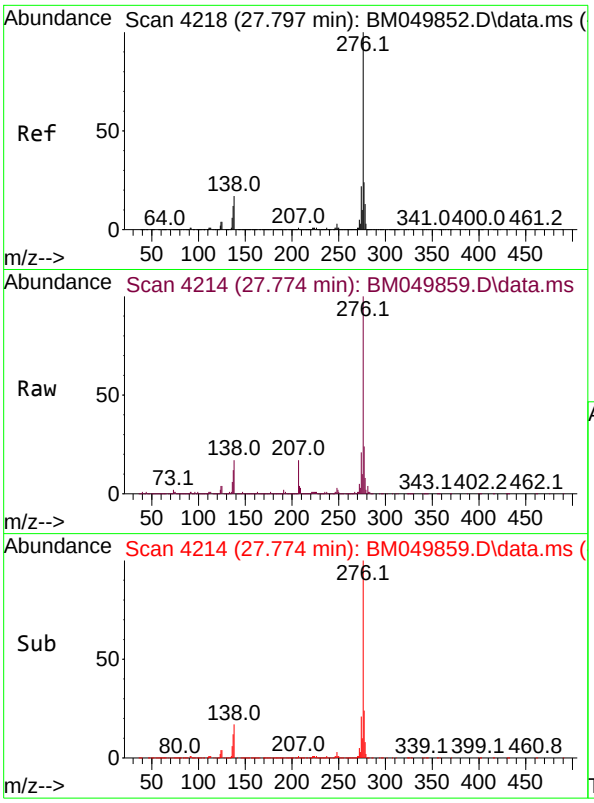


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.397 min Scan# 3640
Delta R.T. -0.012 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:264 Resp: 1316817

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.7	17.8	26.8



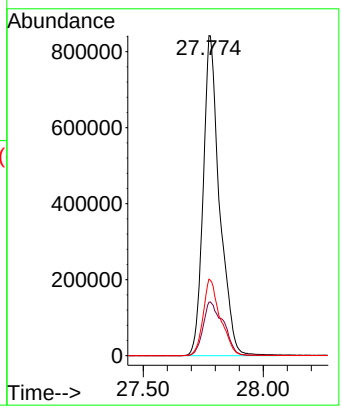


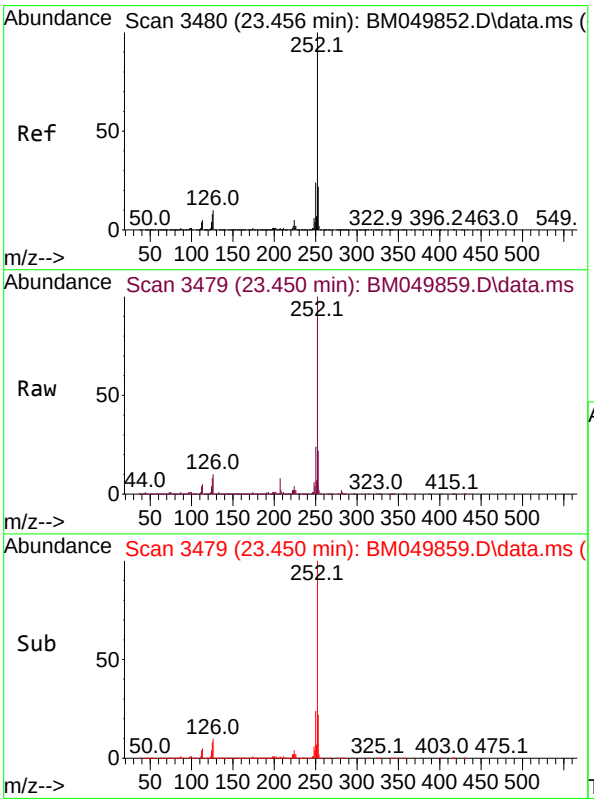
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.621 ng
RT: 27.774 min Scan# 4
Delta R.T. -0.023 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 3987202

Ion	Ratio	Lower	Upper
276	100		
138	20.9	16.8	25.2
277	25.1	20.1	30.1

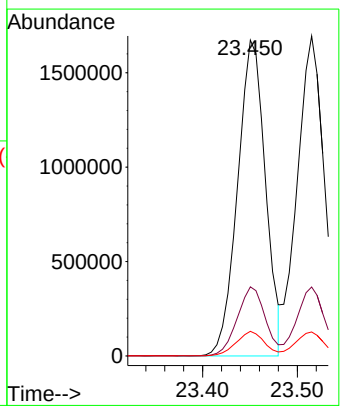


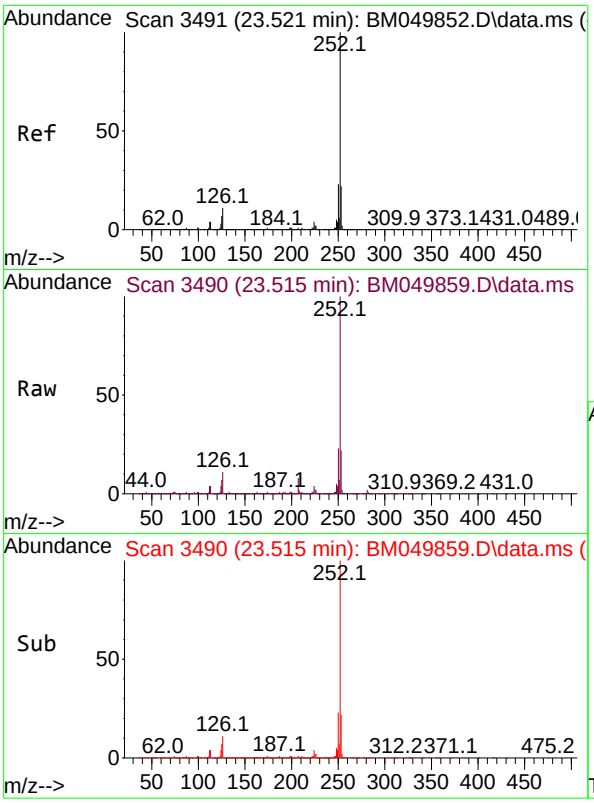


#88
Benzo(b)fluoranthene
Concen: 40.642 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:252 Resp: 3418004

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	7.8	6.2	9.4



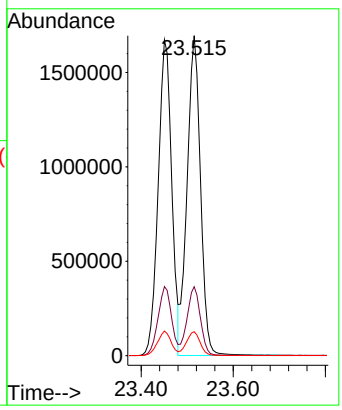


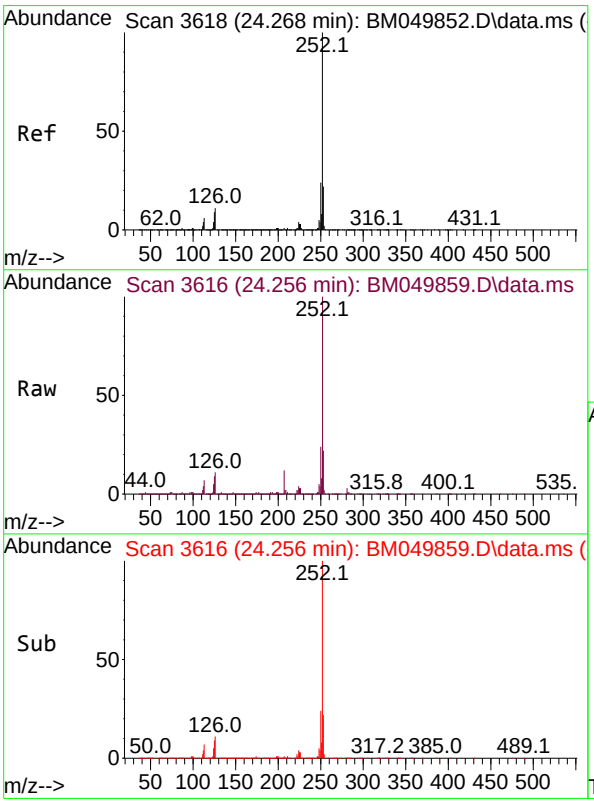
#89
Benzo(k)fluoranthene
Concen: 41.696 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 3398151

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	7.5	5.8	8.8

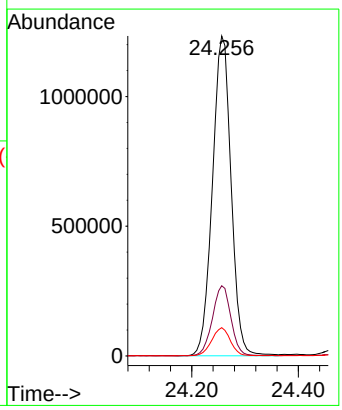


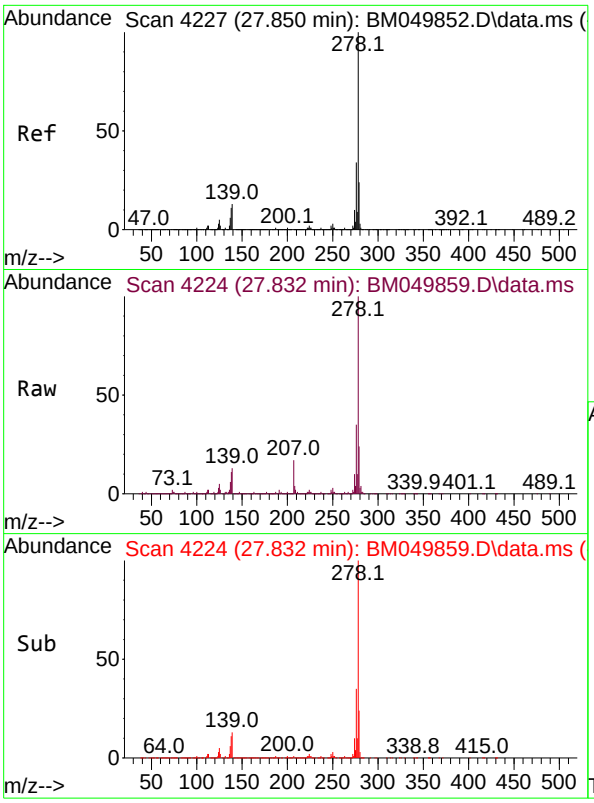


#90
Benzo(a)pyrene
Concen: 40.548 ng
RT: 24.256 min Scan# 3616
Delta R.T. -0.012 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:252 Resp: 2996579

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	8.9	7.0	10.4



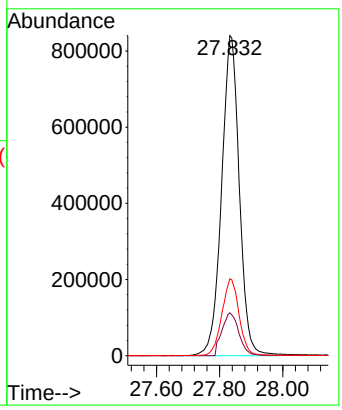


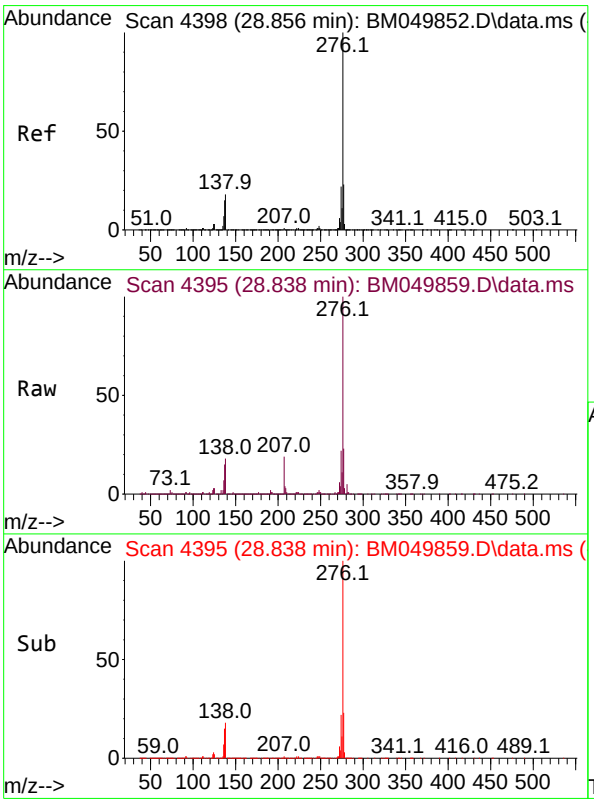
#91
Dibenzo(a,h)anthracene
Concen: 40.504 ng
RT: 27.832 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Instrument :
BNA_M
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 3274793

Ion	Ratio	Lower	Upper
278	100		
139	13.4	10.6	15.8
279	24.0	19.1	28.7

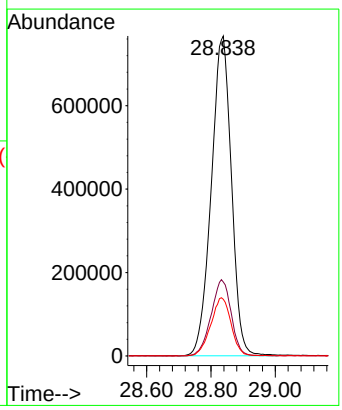




#92
Benzo(g,h,i)perylene
Concen: 40.316 ng
RT: 28.838 min Scan# 4395
Delta R.T. -0.018 min
Lab File: BM049859.D
Acq: 09 Apr 2025 09:09

Tgt Ion:276 Resp: 3330873

Ion	Ratio	Lower	Upper
276	100		
277	23.1	18.7	28.1
138	17.7	14.6	21.8



Sample Results: **BM049859.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	98	0.00
2		1,4-Dioxane	0.485	0.491	-1.2	99	0.00
3		Pyridine	1.274	1.269	0.4	97	0.00
4		n-Nitrosodimethylamine	0.485	0.500	-3.1	100	0.00
5	S	2-Fluorophenol	1.178	1.196	-1.5	99	0.00
6		Aniline	1.256	1.342	-6.8	99	0.00
7	S	Phenol-d6	1.465	1.508	-2.9	99	0.00
8		2-Chlorophenol	1.207	1.229	-1.8	99	0.00
9		Benzaldehyde	0.752	0.661	12.1	86	0.00
10	C	Phenol	1.430	1.460	-2.1	99	0.00
11		bis(2-Chloroethyl)ether	1.121	1.160	-3.5	100	0.00
12		1,3-Dichlorobenzene	1.427	1.453	-1.8	99	0.00
13	C	1,4-Dichlorobenzene	1.436	1.457	-1.5	98	0.00
14		1,2-Dichlorobenzene	1.352	1.379	-2.0	98	0.00
15		Benzyl Alcohol	0.923	0.934	-1.2	96	0.00
16		2,2'-oxybis(1-Chloropropane	1.250	1.279	-2.3	99	0.00
17		2-Methylphenol	0.881	0.897	-1.8	99	0.00
18		Hexachloroethane	0.500	0.504	-0.8	98	0.00
19	P	n-Nitroso-di-n-propylamine	0.812	0.846	-4.2	99	0.00
20		3+4-Methylphenols	1.201	1.214	-1.1	97	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
22		Acetophenone	0.486	0.499	-2.7	99	0.00
23	S	Nitrobenzene-d5	0.359	0.370	-3.1	100	0.00
24		Nitrobenzene	0.346	0.354	-2.3	98	0.00
25		Isophorone	0.602	0.610	-1.3	98	0.00
26	C	2-Nitrophenol	0.183	0.186	-1.6	97	0.00
27		2,4-Dimethylphenol	0.208	0.214	-2.9	99	0.00
28		bis(2-Chloroethoxy)methane	0.403	0.417	-3.5	100	0.00
29	C	2,4-Dichlorophenol	0.345	0.348	-0.9	97	0.00
30		1,2,4-Trichlorobenzene	0.399	0.403	-1.0	99	0.00
31		Naphthalene	1.028	1.045	-1.7	99	0.00
32		Benzoic acid	0.220	0.241	-9.5	104	0.00
33		4-Chloroaniline	0.363	0.379	-4.4	99	0.00
34	C	Hexachlorobutadiene	0.247	0.252	-2.0	100	0.00
35		Caprolactam	0.099	0.097	2.0	94	0.00
36	C	4-Chloro-3-methylphenol	0.302	0.306	-1.3	98	0.00
37		2-Methylnaphthalene	0.724	0.748	-3.3	101	0.00
38		1-Methylnaphthalene	0.705	0.724	-2.7	100	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	0.700	0.722	-3.1	102	0.00
41	P	Hexachlorocyclopentadiene	0.245	0.263	-7.3	99	0.00
42	S	2,4,6-Tribromophenol	0.291	0.294	-1.0	99	0.00
43	C	2,4,6-Trichlorophenol	0.445	0.457	-2.7	99	0.00
44		2,4,5-Trichlorophenol	0.484	0.490	-1.2	97	0.00
45	S	2-Fluorobiphenyl	1.475	1.541	-4.5	101	0.00
46		1,1'-Biphenyl	1.487	1.543	-3.8	100	0.00
47		2-Chloronaphthalene	1.169	1.198	-2.5	100	0.00

Sample Results: **BM049859.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	0.270	0.281	-4.1	98	0.00
49		Acenaphthylene	1.702	1.748	-2.7	100	0.00
50		Dimethylphthalate	1.411	1.453	-3.0	100	0.00
51		2,6-Dinitrotoluene	0.296	0.310	-4.7	99	0.00
52	C	Acenaphthene	1.083	1.114	-2.9	99	0.00
53		3-Nitroaniline	0.286	0.305	-6.6	98	0.00
54	P	2,4-Dinitrophenol	0.175	0.181	-3.4	98	0.00
55		Dibenzofuran	1.810	1.863	-2.9	100	0.00
56	P	4-Nitrophenol	0.255	0.271	-6.3	100	0.00
57		2,4-Dinitrotoluene	0.394	0.418	-6.1	99	0.00
58		Fluorene	1.439	1.500	-4.2	101	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.427	-0.7	99	0.00
60		Diethylphthalate	1.353	1.394	-3.0	100	0.00
61		4-Chlorophenyl-phenylether	0.771	0.808	-4.8	102	0.00
62		4-Nitroaniline	0.295	0.317	-7.5	98	0.00
63		Azobenzene	1.158	1.210	-4.5	100	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	0.126	0.128	-1.6	97	0.00
66	c	n-Nitrosodiphenylamine	0.599	0.620	-3.5	100	0.00
67		4-Bromophenyl-phenylether	0.232	0.238	-2.6	100	0.00
68		Hexachlorobenzene	0.266	0.274	-3.0	100	0.00
69		Atrazine	0.155	0.137	11.6	106	0.00
70	C	Pentachlorophenol	0.196	0.192	2.0	94	0.00
71		Phenanthrene	1.096	1.136	-3.6	100	0.00
72		Anthracene	1.081	1.120	-3.6	100	0.00
73		Carbazole	1.018	1.055	-3.6	100	0.00
74		Di-n-butylphthalate	1.172	1.208	-3.1	99	0.00
75	C	Fluoranthene	1.348	1.391	-3.2	100	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	98	0.00
77		Benzidine	0.265	0.439	-65.7#	107	0.00
78		Pyrene	1.378	1.446	-4.9	101	0.00
79	S	Terphenyl-d14	1.067	1.223	-14.6	101	0.00
80		Butylbenzylphthalate	0.518	0.527	-1.7	97	0.00
81		Benzo(a)anthracene	1.329	1.372	-3.2	99	0.00
82		3,3'-Dichlorobenzidine	0.502	0.507	-1.0	95	0.00
83		Chrysene	1.264	1.297	-2.6	99	0.00
84		Bis(2-ethylhexyl)phthalate	0.755	0.791	-4.8	99	0.00
85	c	Di-n-octyl phthalate	1.320	1.321	-0.1	95	0.00
86	I	Perylene-d12	1.000	1.000	0.0	95	-0.01
87		Indeno(1,2,3-cd)pyrene	1.491	1.514	-1.5	96	-0.02
88		Benzo(b)fluoranthene	1.277	1.298	-1.6	94	0.00
89		Benzo(k)fluoranthene	1.238	1.290	-4.2	99	0.00
90	C	Benzo(a)pyrene	1.122	1.138	-1.4	96	-0.01
91		Dibenzo(a,h)anthracene	1.228	1.243	-1.2	95	-0.02
92		Benzo(g,h,i)perylene	1.255	1.265	-0.8	95	-0.02

Sample Results: **BM049859.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Sample Results: **BM049859.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	98	0.00
2		1,4-Dioxane	40.000	40.495	-1.2	99	0.00
3		Pyridine	40.000	39.829	0.4	97	0.00
4		n-Nitrosodimethylamine	40.000	41.224	-3.1	100	0.00
5	S	2-Fluorophenol	80.000	81.241	-1.6	99	0.00
6		Aniline	40.000	42.743	-6.9	99	0.00
7	S	Phenol-d6	80.000	82.351	-2.9	99	0.00
8		2-Chlorophenol	40.000	40.737	-1.8	99	0.00
9		Benzaldehyde	40.000	35.165	12.1	86	0.00
10	C	Phenol	40.000	40.829	-2.1	99	0.00
11		bis(2-Chloroethyl)ether	40.000	41.367	-3.4	100	0.00
12		1,3-Dichlorobenzene	40.000	40.722	-1.8	99	0.00
13	C	1,4-Dichlorobenzene	40.000	40.588	-1.5	98	0.00
14		1,2-Dichlorobenzene	40.000	40.772	-1.9	98	0.00
15		Benzyl Alcohol	40.000	40.500	-1.3	96	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.937	-2.3	99	0.00
17		2-Methylphenol	40.000	40.722	-1.8	99	0.00
18		Hexachloroethane	40.000	40.379	-0.9	98	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.719	-4.3	99	0.00
20		3+4-Methylphenols	40.000	40.429	-1.1	97	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	99	0.00
22		Acetophenone	40.000	41.032	-2.6	99	0.00
23	S	Nitrobenzene-d5	80.000	82.457	-3.1	100	0.00
24		Nitrobenzene	40.000	40.963	-2.4	98	0.00
25		Isophorone	40.000	40.521	-1.3	98	0.00
26	C	2-Nitrophenol	40.000	40.684	-1.7	97	0.00
27		2,4-Dimethylphenol	40.000	41.179	-2.9	99	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.389	-3.5	100	0.00
29	C	2,4-Dichlorophenol	40.000	40.301	-0.8	97	0.00
30		1,2,4-Trichlorobenzene	40.000	40.309	-0.8	99	0.00
31		Naphthalene	40.000	40.688	-1.7	99	0.00
32		Benzoic acid	40.000	39.334	1.7	104	0.00
33		4-Chloroaniline	40.000	41.809	-4.5	99	0.00
34	C	Hexachlorobutadiene	40.000	40.738	-1.8	100	0.00
35		Caprolactam	40.000	39.211	2.0	94	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.507	-1.3	98	0.00
37		2-Methylnaphthalene	40.000	41.327	-3.3	101	0.00
38		1-Methylnaphthalene	40.000	41.064	-2.7	100	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	99	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.284	-3.2	102	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.977	-7.4	99	0.00
42	S	2,4,6-Tribromophenol	80.000	80.953	-1.2	99	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.039	-2.6	99	0.00
44		2,4,5-Trichlorophenol	40.000	40.530	-1.3	97	0.00
45	S	2-Fluorobiphenyl	80.000	83.577	-4.5	101	0.00
46		1,1'-Biphenyl	40.000	41.524	-3.8	100	0.00
47		2-Chloronaphthalene	40.000	41.015	-2.5	100	0.00

Sample Results: **BM049859.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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	41.593	-4.0	98	0.00
49		Acenaphthylene	40.000	41.073	-2.7	100	0.00
50		Dimethylphthalate	40.000	41.189	-3.0	100	0.00
51		2,6-Dinitrotoluene	40.000	41.996	-5.0	99	0.00
52	C	Acenaphthene	40.000	41.171	-2.9	99	0.00
53		3-Nitroaniline	40.000	42.701	-6.8	98	0.00
54	P	2,4-Dinitrophenol	40.000	38.069	4.8	98	0.00
55		Dibenzofuran	40.000	41.175	-2.9	100	0.00
56	P	4-Nitrophenol	40.000	42.636	-6.6	100	0.00
57		2,4-Dinitrotoluene	40.000	42.388	-6.0	99	0.00
58		Fluorene	40.000	41.695	-4.2	101	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.243	-0.6	99	0.00
60		Diethylphthalate	40.000	41.221	-3.1	100	0.00
61		4-Chlorophenyl-phenylether	40.000	41.905	-4.8	102	0.00
62		4-Nitroaniline	40.000	42.866	-7.2	98	0.00
63		Azobenzene	40.000	41.769	-4.4	100	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	100	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.477	-1.2	97	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.426	-3.6	100	0.00
67		4-Bromophenyl-phenylether	40.000	40.958	-2.4	100	0.00
68		Hexachlorobenzene	40.000	41.097	-2.7	100	0.00
69		Atrazine	40.000	35.286	11.8	106	0.00
70	C	Pentachlorophenol	40.000	39.115	2.2	94	0.00
71		Phenanthrene	40.000	41.426	-3.6	100	0.00
72		Anthracene	40.000	41.442	-3.6	100	0.00
73		Carbazole	40.000	41.450	-3.6	100	0.00
74		Di-n-butylphthalate	40.000	41.232	-3.1	99	0.00
75	C	Fluoranthene	40.000	41.267	-3.2	100	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	98	0.00
77		Benzidine	40.000	66.111	-65.3#	107	0.00
78		Pyrene	40.000	41.973	-4.9	101	0.00
79	S	Terphenyl-d14	80.000	91.698	-14.6	101	0.00
80		Butylbenzylphthalate	40.000	40.718	-1.8	97	0.00
81		Benzo(a)anthracene	40.000	41.279	-3.2	99	0.00
82		3,3'-Dichlorobenzidine	40.000	40.373	-0.9	95	0.00
83		Chrysene	40.000	41.068	-2.7	99	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.914	-4.8	99	0.00
85	c	Di-n-octyl phthalate	40.000	40.029	-0.1	95	0.00
86	I	Perylene-d12	20.000	20.000	0.0	95	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	40.621	-1.6	96	-0.02
88		Benzo(b)fluoranthene	40.000	40.642	-1.6	94	0.00
89		Benzo(k)fluoranthene	40.000	41.696	-4.2	99	0.00
90	C	Benzo(a)pyrene	40.000	40.548	-1.4	96	-0.01
91		Dibenzo(a,h)anthracene	40.000	40.504	-1.3	95	-0.02
92		Benzo(g,h,i)perylene	40.000	40.316	-0.8	95	-0.02

Sample Results: **BM049859.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049859.D
Acq On : 09 Apr 2025 09:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_M
LabSampleId :
SSTDCCC040

Quant Time: Apr 09 11:48:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

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

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

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

QC SAMPLE DATA

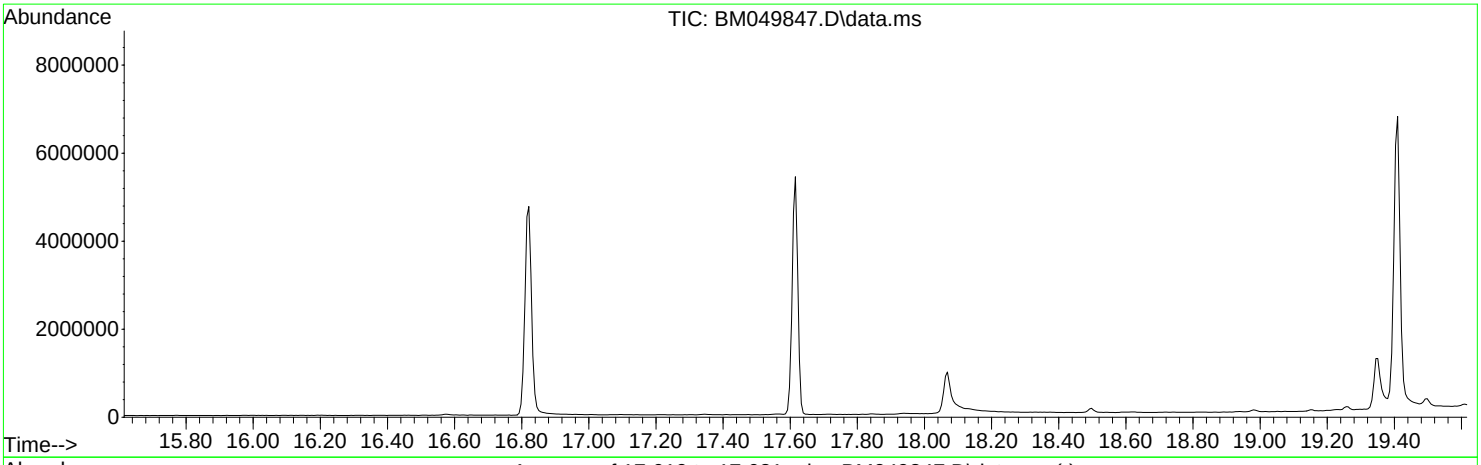
Sample Results: **BM049847.D**

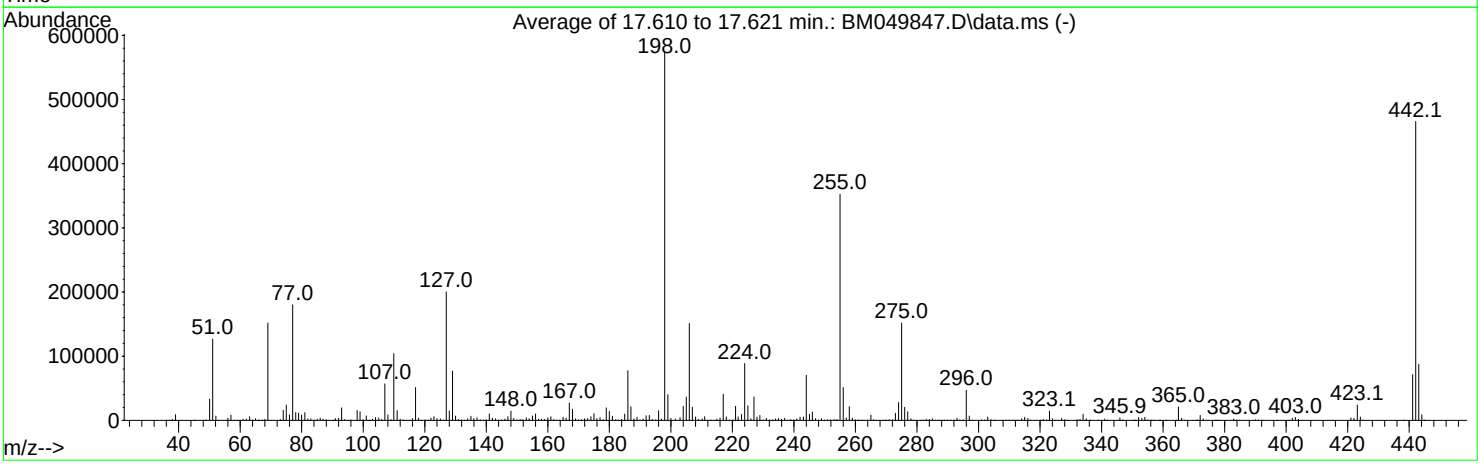
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049847.D
Acq On : 08 Apr 2025 12:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 09 04:00:55 2025





AutoFind: Scans 2486, 2487, 2488; Background Corrected with Scan 2479

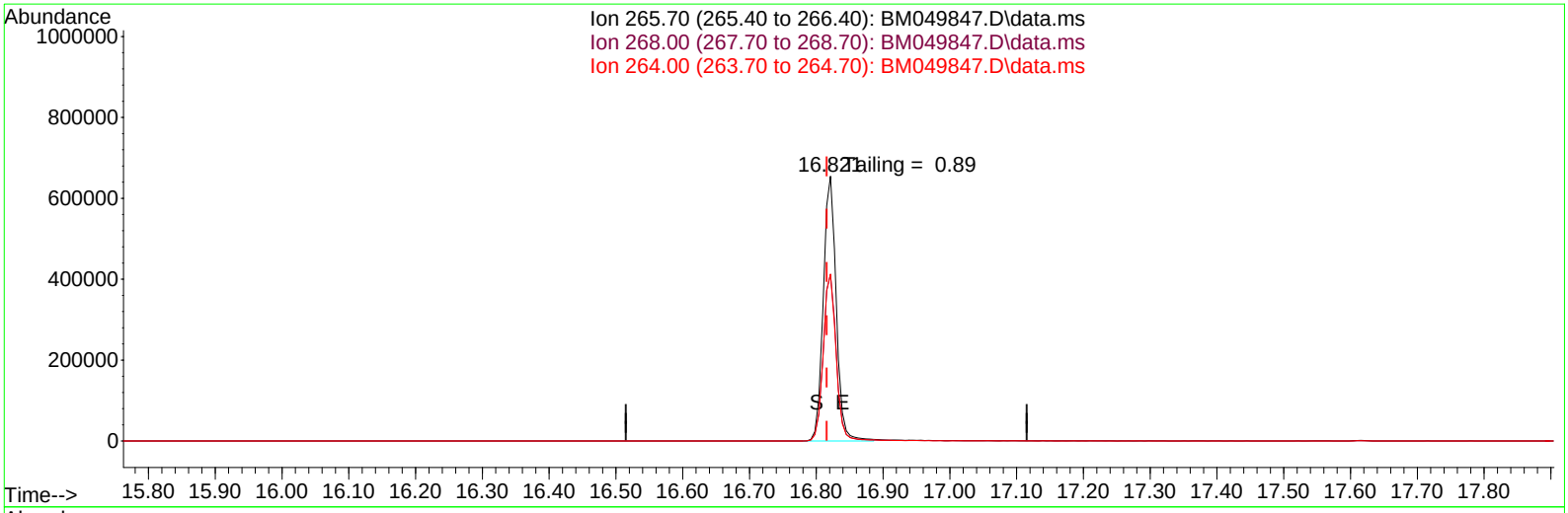
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51	198	10	80	22.1	126723	PASS
68	69	0.00	2	1.2	1886	PASS
69	198	0.00	100	26.5	151989	PASS
70	69	0.00	2	0.3	382	PASS
127	198	10	80	34.9	200277	PASS
197	198	0.00	2	0.4	2141	PASS
198	198	100	100	100.0	573312	PASS
199	198	5	9	7.0	40037	PASS
275	198	10	60	26.5	151747	PASS
365	198	1	100	3.7	21032	PASS
441	198	0.01	100	12.4	71269	PASS
442	442	50	100	100.0	465813	PASS
443	442	15	24	18.8	87675	PASS

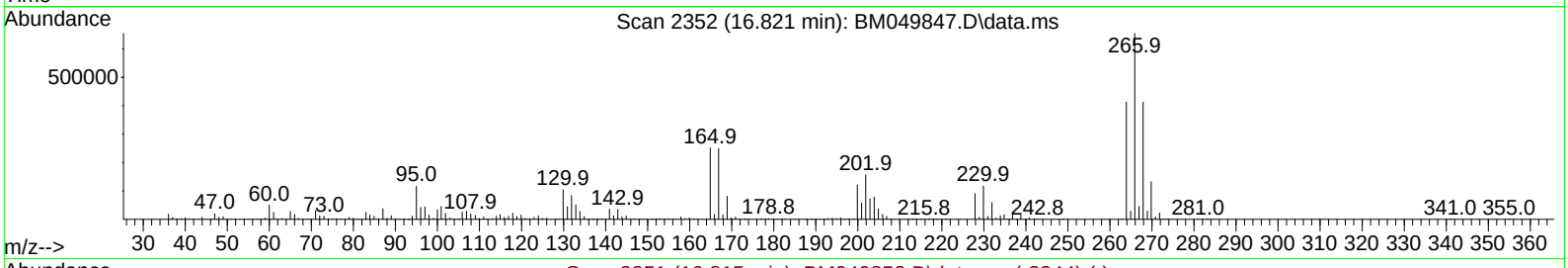
Sample Results: **BM049847.D**

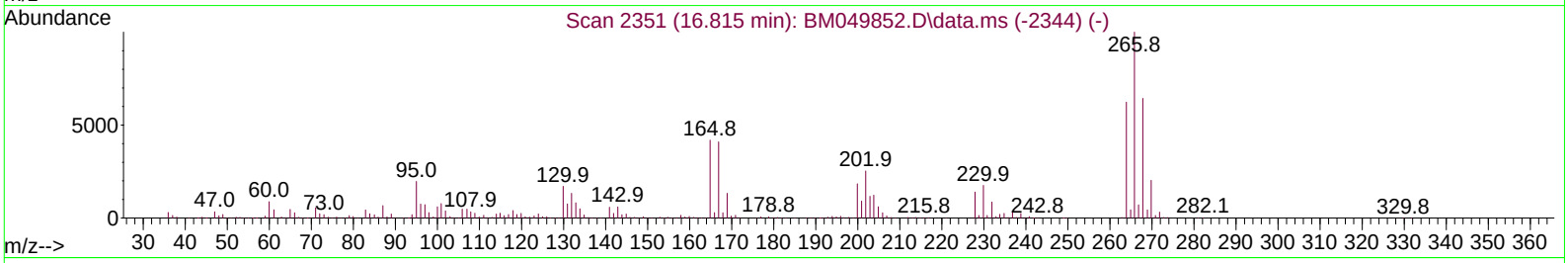
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049847.D
Acq On : 08 Apr 2025 12:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 09 04:09:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049847.D\data.ms

(70) Pentachlorophenol (C)

16.821min (+ 0.006) 230006.58 ng m

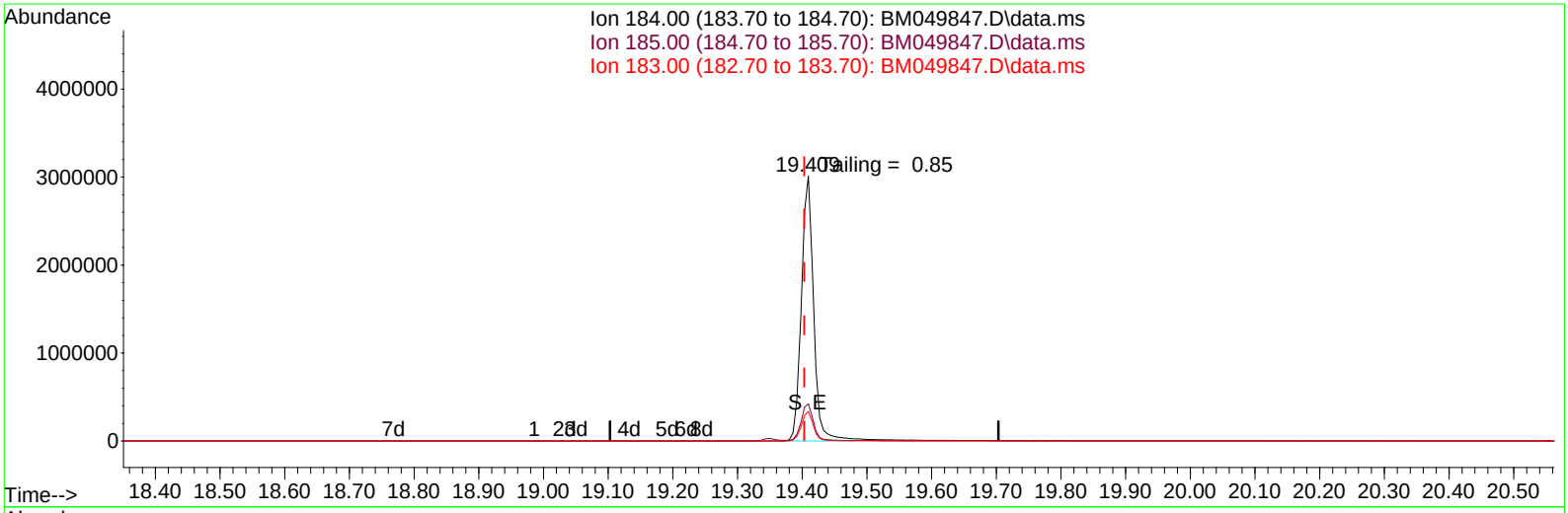
response 888392

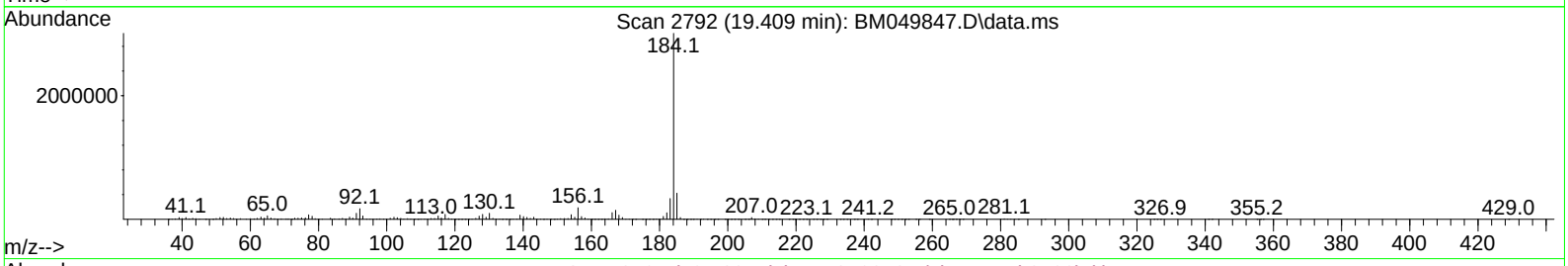
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.30	62.99
264.00	62.30	63.04
0.00	0.00	0.00

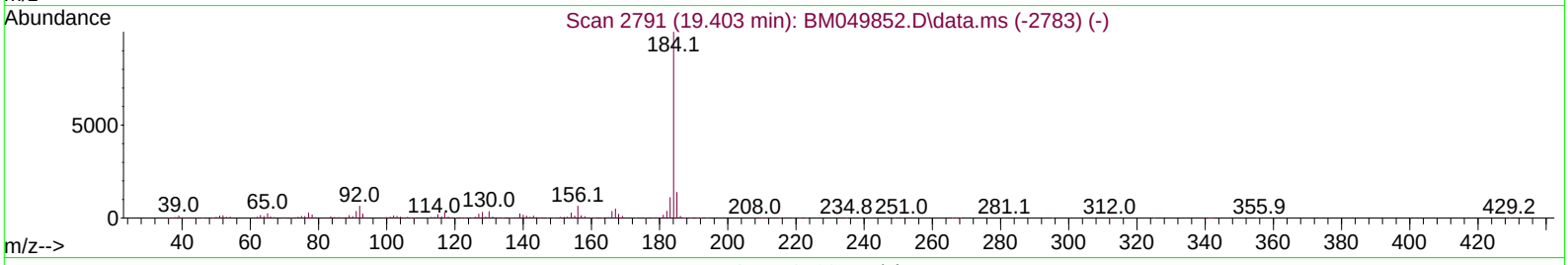
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040825\
Data File : BM049847.D
Acq On : 08 Apr 2025 12:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 09 04:09:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049847.D\data.ms

(77) Benzidine

19.409min (+ 0.006) 842986.98 ng m

response 4014847

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.02
183.00	11.00	11.14
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/8/2025	BNA_M	BM049847.D
Compound Name	**Response**	**Retention Time**
DDT	1953764	20.645
DDD	24016	20.262
DDE	1854	19.704
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
25870	1979634	1.31

Instrument :
BNA_M
ClientSampleId :
DFTPP

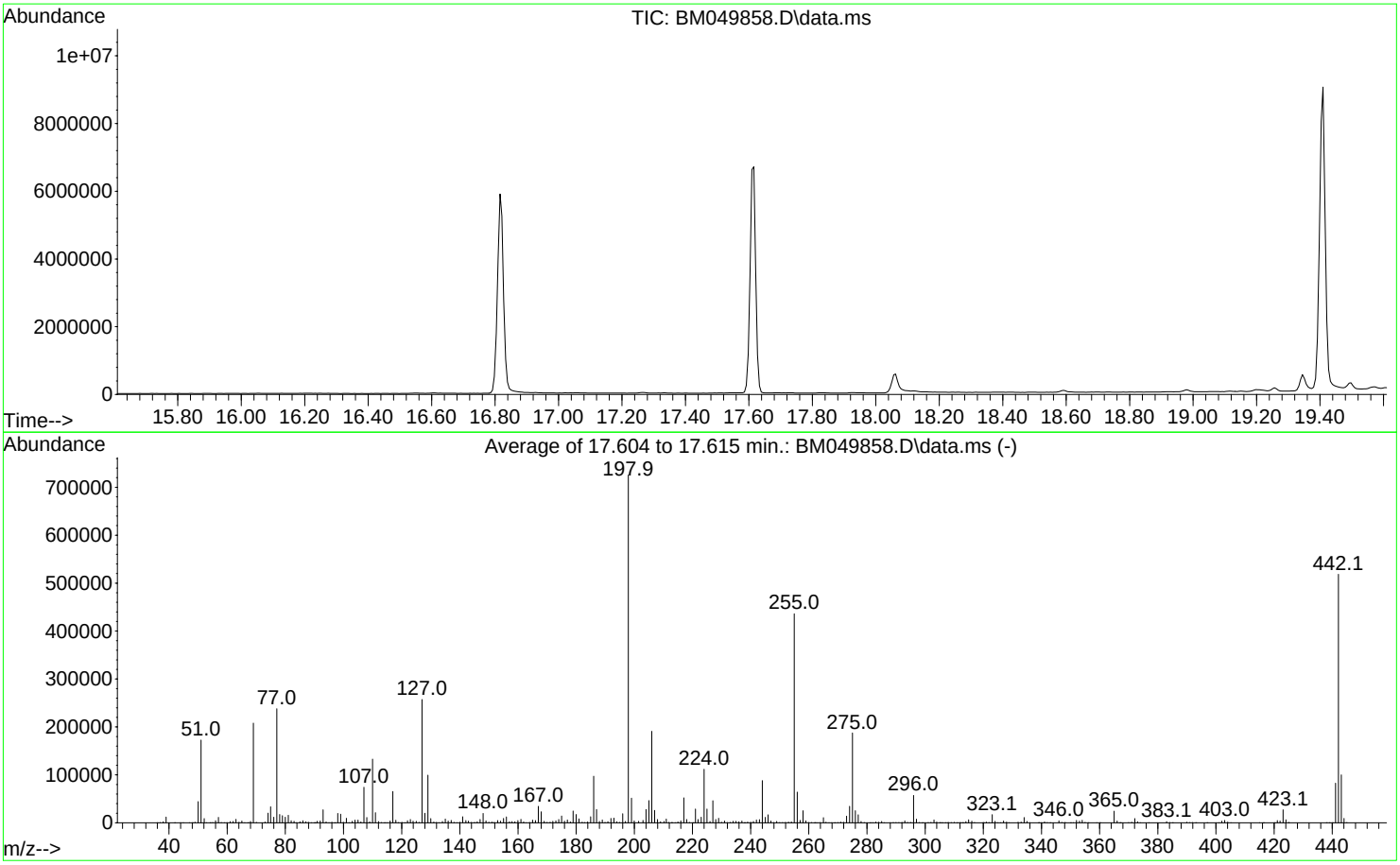
Sample Results: **BM049858.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049858.D
Acq On : 09 Apr 2025 08:30
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-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Apr 09 04:00:55 2025



AutoFind: Scans 2485, 2486, 2487; Background Corrected with Scan 2478

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	23.8	172767	PASS
68	69	0.00	2	1.4	2844	PASS
69	198	0.00	100	28.7	208079	PASS
70	69	0.00	2	0.5	979	PASS
127	198	10	80	35.4	257109	PASS
197	198	0.00	2	0.4	2927	PASS
198	198	100	100	100.0	725525	PASS
199	198	5	9	7.1	51557	PASS
275	198	10	60	25.8	187432	PASS
365	198	1	100	3.4	24319	PASS
441	198	0.01	100	11.4	82643	PASS
442	442	50	100	100.0	518613	PASS
443	442	15	24	19.3	100059	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
4/9/2025	BNA_M	BM049858.D
Compound Name	**Response**	**Retention Time**
DDT	2465394	20.645
DDD	31585	20.262
DDE	2023	19.698
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
33608	2499002	1.34

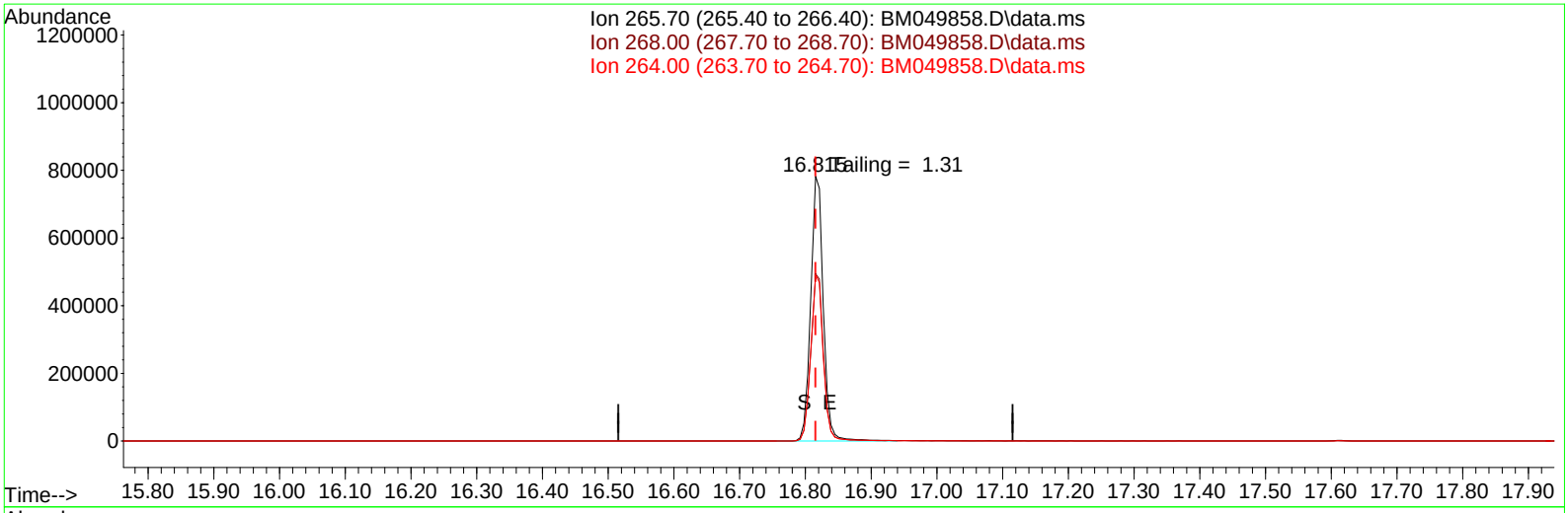
Instrument :
BNA_M
ClientSampleId :
DFTPP

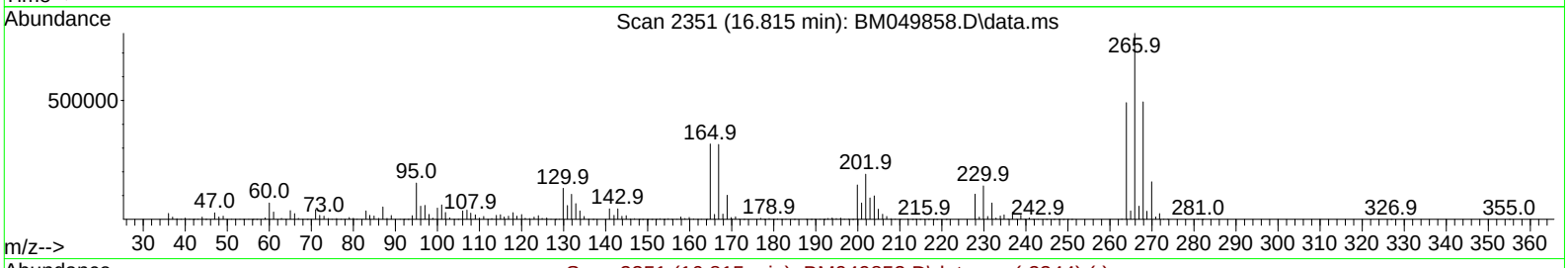
Sample Results: **BM049858.D**

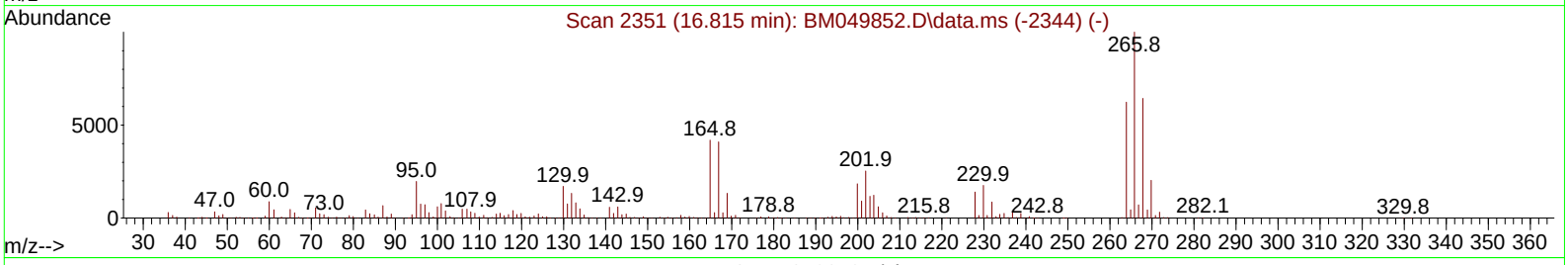
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049858.D
Acq On : 09 Apr 2025 08:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 09 11:47:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049858.D\data.ms

(70) Pentachlorophenol (C)

16.815min (-0.000) 710298.89 ng

response 1044481

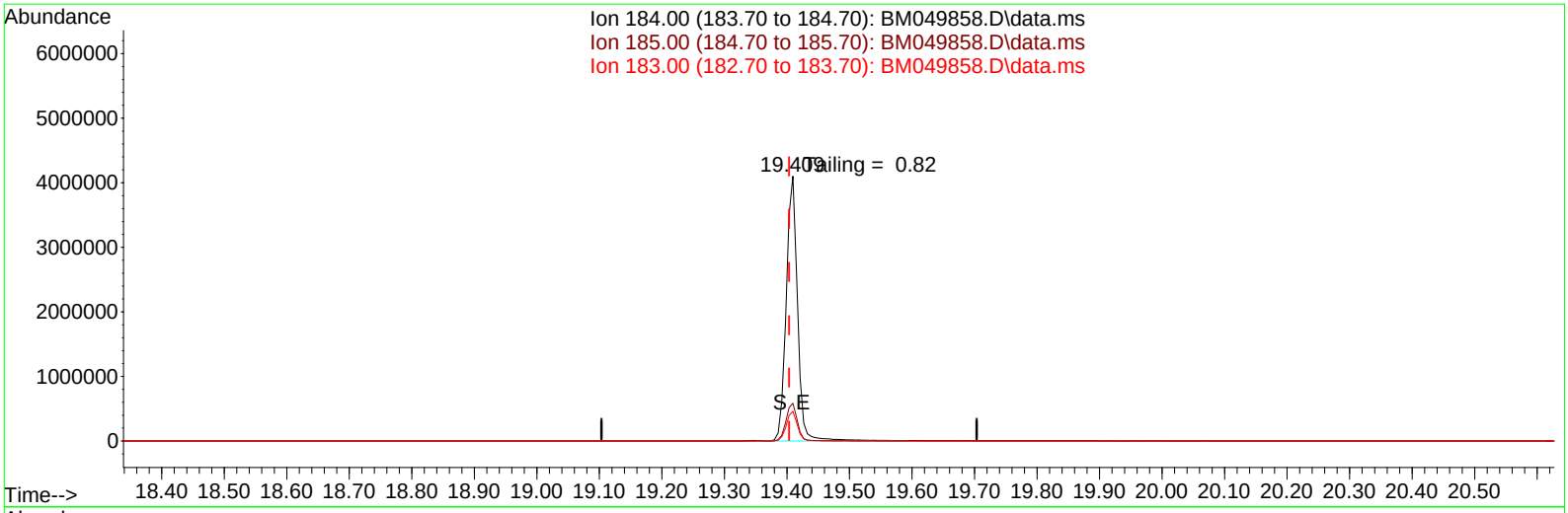
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.30	63.17
264.00	62.30	62.77
0.00	0.00	0.00

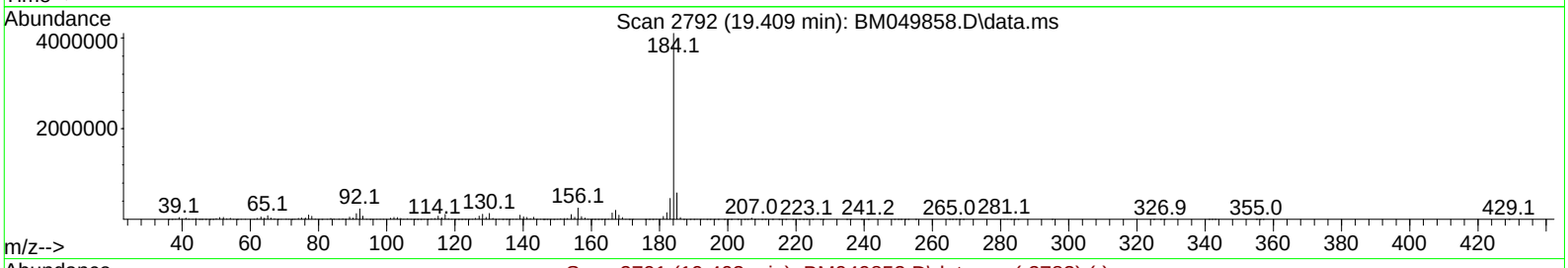
Sample Results: **BM049858.D**

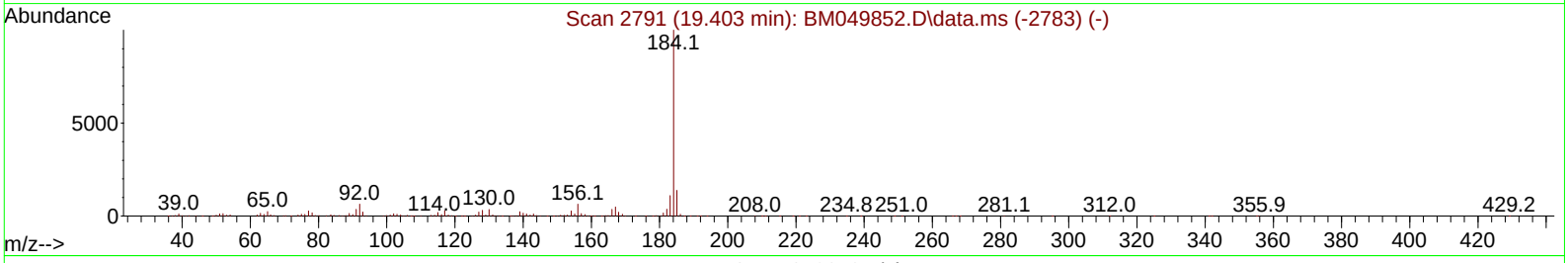
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049858.D
Acq On : 09 Apr 2025 08:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
DFTPP

Quant Time: Apr 09 11:47:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration







TIC: BM049858.D\data.ms

(77) Benzidine

19.409min (+ 0.006) 7036.51 ng

response 5211317

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.26
183.00	11.00	11.25
0.00	0.00	0.00

Raw Data: **BM049860.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	
Client Sample ID:	PB167521BL	SDG No.:	Q1739
Lab Sample ID:	PB167521BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049860.D	1	04/08/25 11:55	04/09/25 09:48	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
108-95-2	Phenol	0.91	U	0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
95-57-8	2-Chlorophenol	0.58	U	0.58	5.00	ug/L
95-48-7	2-Methylphenol	1.10	U	1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	1.10	U	1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
88-75-5	2-Nitrophenol	1.80	U	1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	1.90	U	1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	0.52	U	0.52	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	U	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	0.59	U	0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	0.51	U	0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	0.62	U	0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L

Raw Data: **BM049860.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	
Client Sample ID:	PB167521BL	SDG No.:	Q1739
Lab Sample ID:	PB167521BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049860.D	1	04/08/25 11:55	04/09/25 09:48	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	6.00	U	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	2.40	U	2.40	10.0	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	2.90	U	2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
87-86-5	Pentachlorophenol	1.60	U	1.60	10.0	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L

Raw Data: **BM049860.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	
Client Sample ID:	PB167521BL	SDG No.:	Q1739
Lab Sample ID:	PB167521BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049860.D	1	04/08/25 11:55	04/09/25 09:48	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.72	U	0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	128		10 - 139	86%	SPK: 150
13127-88-3	Phenol-d6	125		10 - 134	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.3		49 - 133	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.2		52 - 132	89%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		44 - 137	91%	SPK: 150
1718-51-0	Terphenyl-d14	108		48 - 125	108%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	332000	7.775			
1146-65-2	Naphthalene-d8	1130000	10.569			
15067-26-2	Acenaphthene-d10	702000	14.416			
1517-22-2	Phenanthrene-d10	1350000	17.162			
1719-03-5	Chrysene-d12	1270000	21.397			
1520-96-3	Perylene-d12	1380000	24.391			
TENTATIVE IDENTIFIED COMPOUNDS						
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.20	A		4.89	ug/L

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.			Date Collected:	
Project:	Con Edison - 11th Ave-West 50th St Site			Date Received:	
Client Sample ID:	PB167521BL			SDG No.:	Q1739
Lab Sample ID:	PB167521BL			Matrix:	Water
Analytical Method:	SW8270			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3510C				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049860.D	1	04/08/25 11:55	04/09/25 09:48	PB167521

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\BM040925\
Data File : BM049860.D
Acq On : 09 Apr 2025 09:48
Operator : RC/JU
Sample : PB167521BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BL

Quant Time: Apr 09 11:50:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

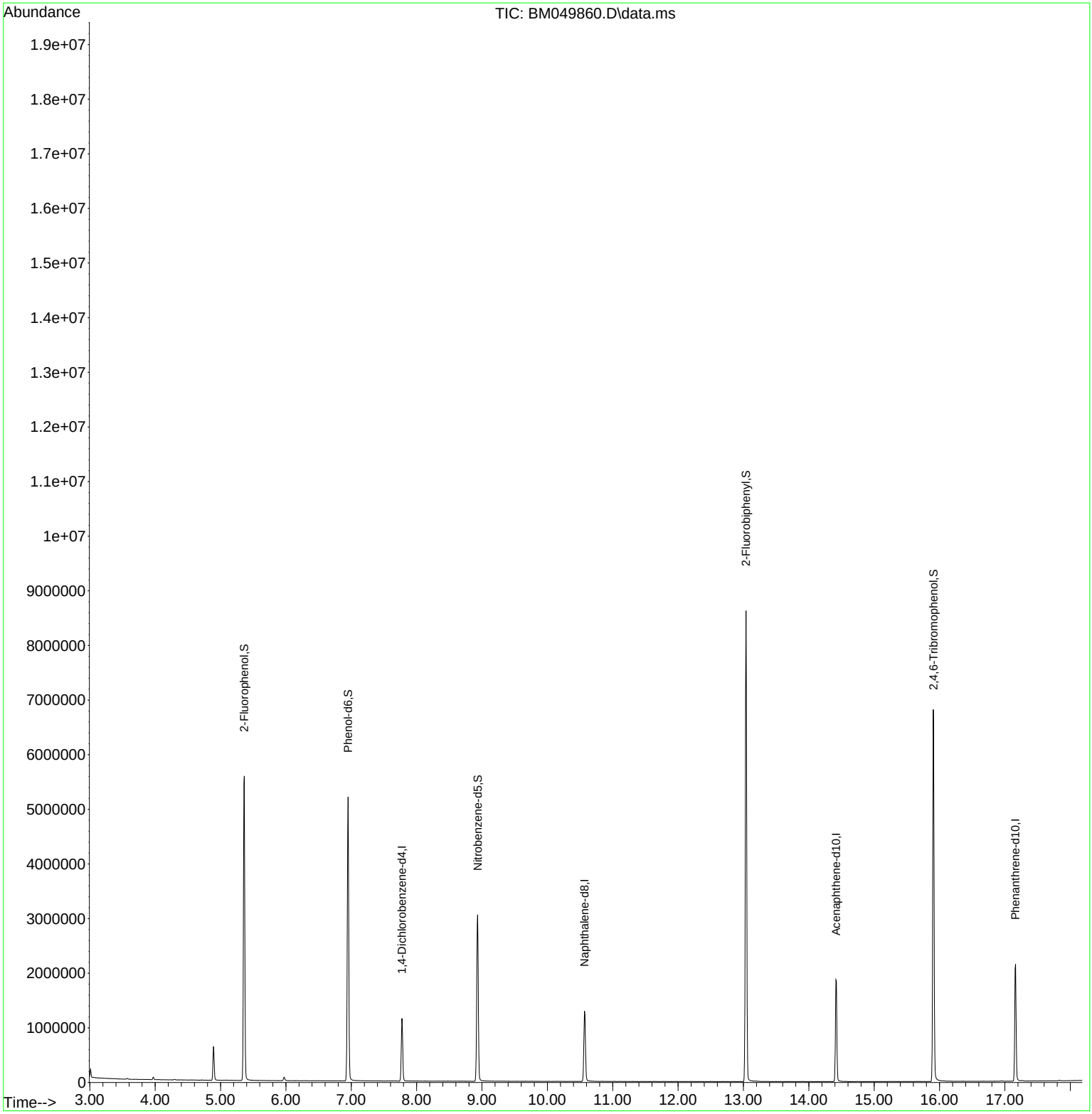
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.775	152	332281	20.000	ng	0.00
21) Naphthalene-d8	10.569	136	1132683	20.000	ng	0.00
39) Acenaphthene-d10	14.416	164	701970	20.000	ng	0.00
64) Phenanthrene-d10	17.162	188	1345526	20.000	ng	0.00
76) Chrysene-d12	21.397	240	1270012	20.000	ng	0.00
86) Perylene-d12	24.391	264	1381061	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.363	112	2512705	128.408	ng	0.00
7) Phenol-d6	6.951	99	3032771	124.568	ng	0.00
23) Nitrobenzene-d5	8.934	82	1795986	88.295	ng	0.00
42) 2,4,6-Tribromophenol	15.910	330	1393023	136.432	ng	0.00
45) 2-Fluorobiphenyl	13.039	172	4615951	89.167	ng	0.00
79) Terphenyl-d14	19.786	244	7348045	108.429	ng	0.00
Target Compounds						Qvalue

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049860.D
Acq On : 09 Apr 2025 09:48
Operator : RC/JU
Sample : PB167521BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BL

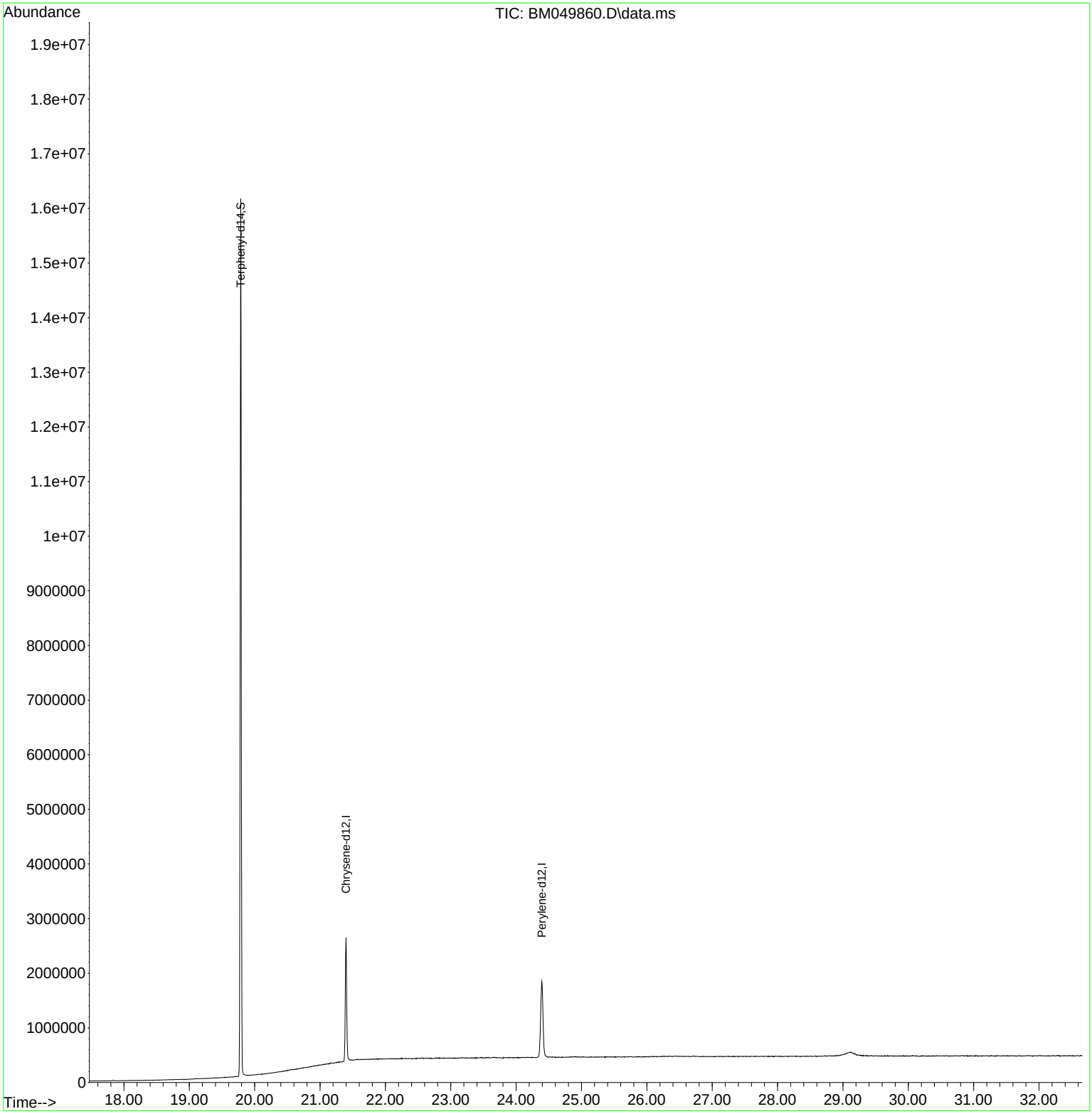
Quant Time: Apr 09 11:50:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

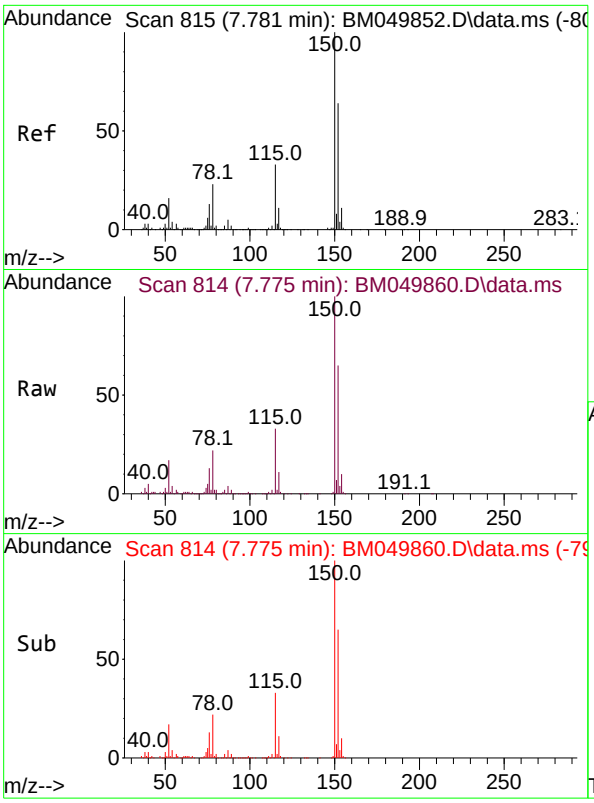


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049860.D
Acq On : 09 Apr 2025 09:48
Operator : RC/JU
Sample : PB167521BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BL

Quant Time: Apr 09 11:50:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



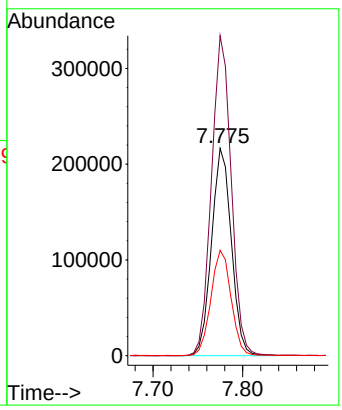


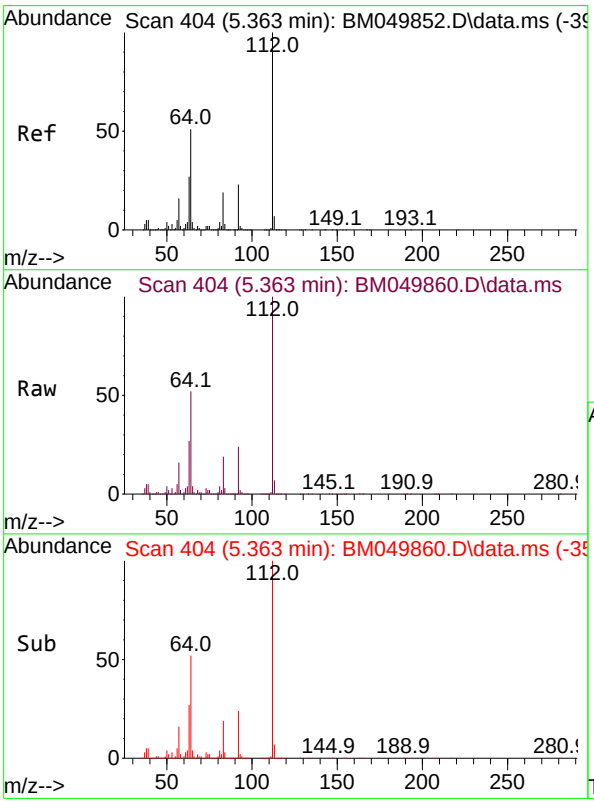
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Instrument :
BNA_M
ClientSampleId :
PB167521BL

Tgt Ion:152 Resp: 332281

Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.3	186.5
115	50.8	41.1	61.7

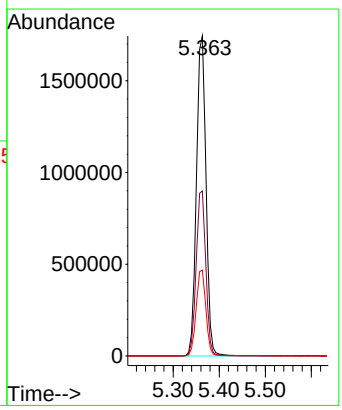


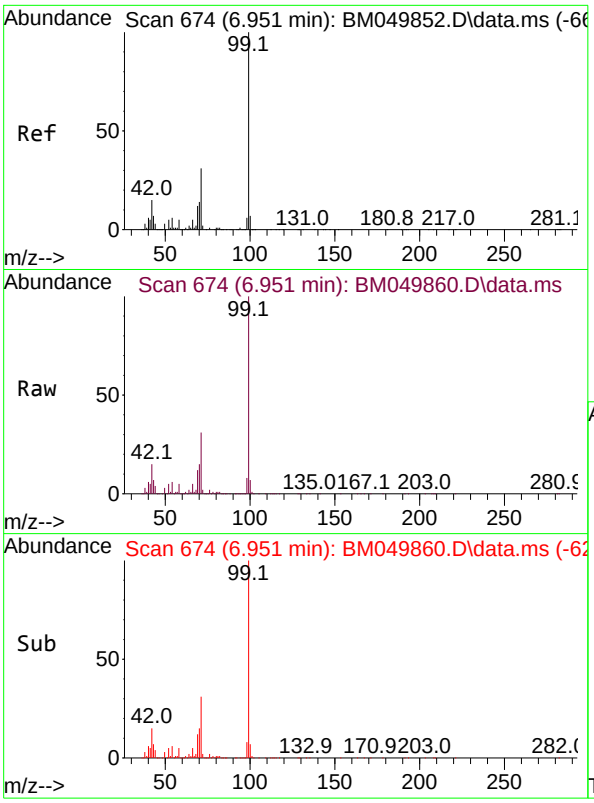


#5
2-Fluorophenol
Concen: 128.408 ng
RT: 5.363 min Scan# 404
Delta R.T. -0.000 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Tgt Ion:112 Resp: 2512705

Ion	Ratio	Lower	Upper
112	100		
64	51.5	41.0	61.6
63	26.9	21.5	32.3



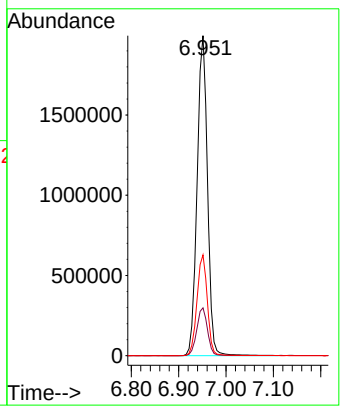


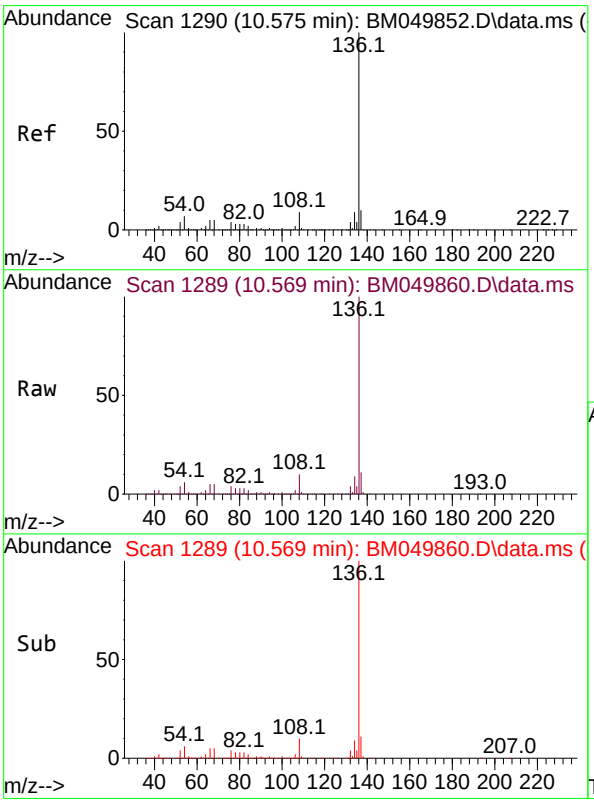
#7
Phenol-d6
Concen: 124.568 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Instrument :
BNA_M
ClientSampleId :
PB167521BL

Tgt Ion: 99 Resp: 3032771

Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.1	18.1
71	31.5	24.9	37.3

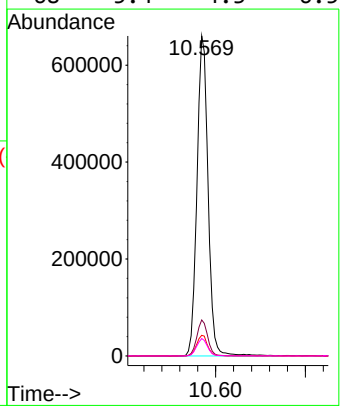


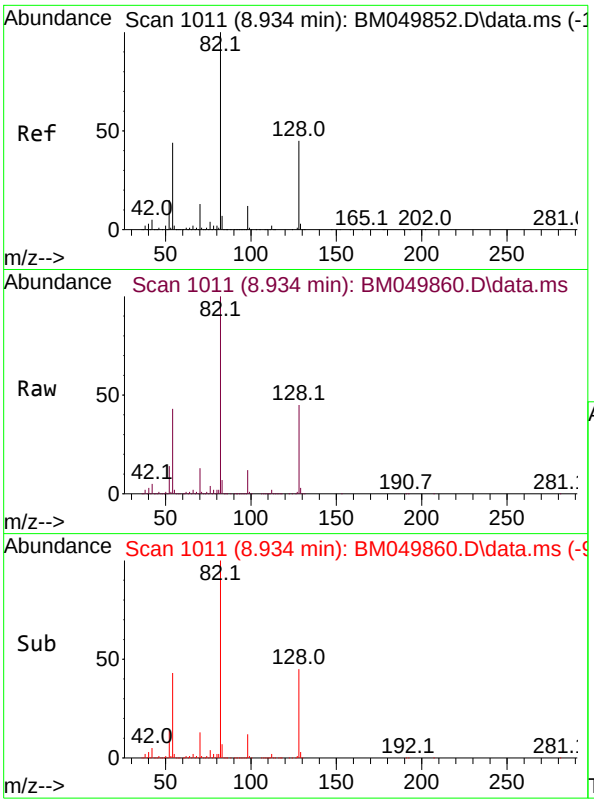


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Tgt Ion:136 Resp: 1132683

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.4	12.6
54	6.4	5.3	7.9
68	5.4	4.3	6.5



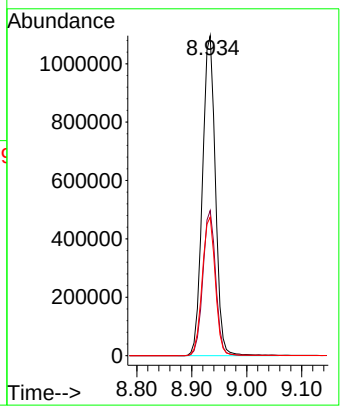


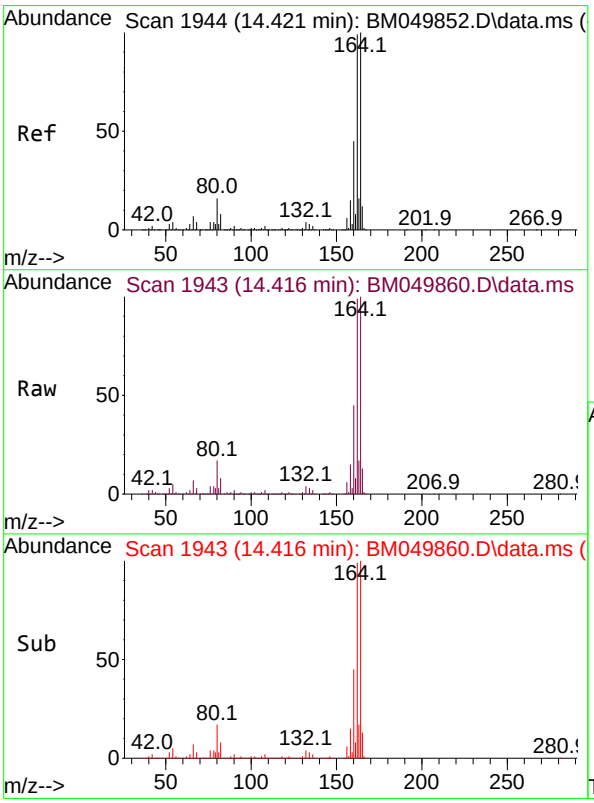
#23
Nitrobenzene-d5
Concen: 88.295 ng
RT: 8.934 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Instrument :
BNA_M
ClientSampleId :
PB167521BL

Tgt Ion: 82 Resp: 1795986

Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.2	54.2
54	43.3	35.0	52.6

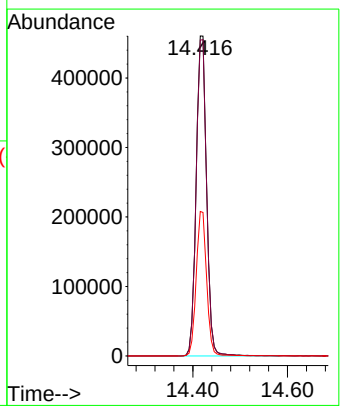


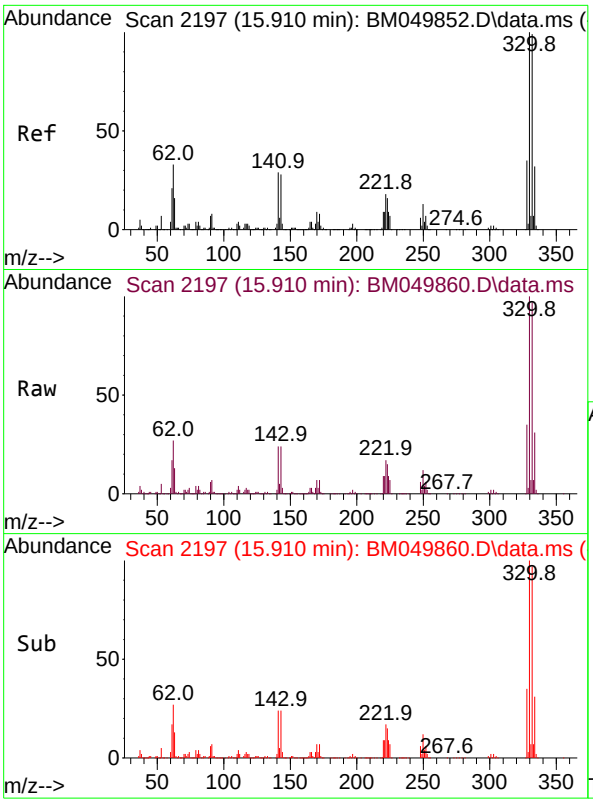


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.416 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Tgt Ion:164 Resp: 701970

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.4	119.0
160	45.1	36.2	54.2



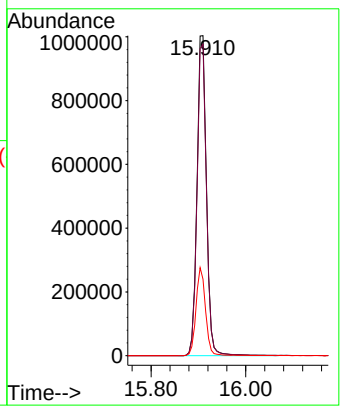


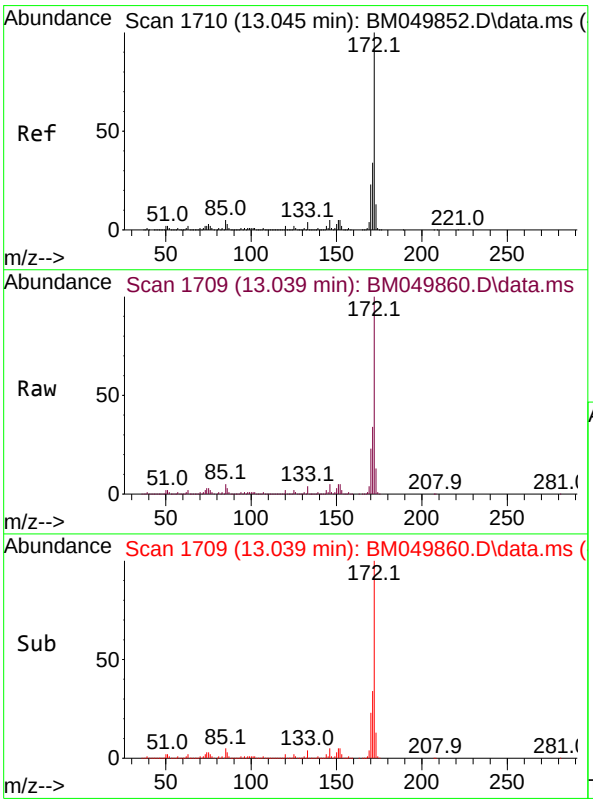
#42
2,4,6-Tribromophenol
Concen: 136.432 ng
RT: 15.910 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Instrument :
BNA_M
ClientSampleId :
PB167521BL

Tgt Ion:330 Resp: 1393023

Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.0	117.0
141	27.8	23.5	35.3

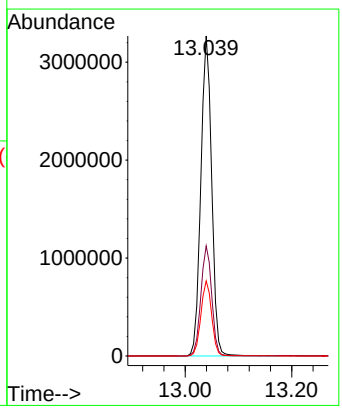


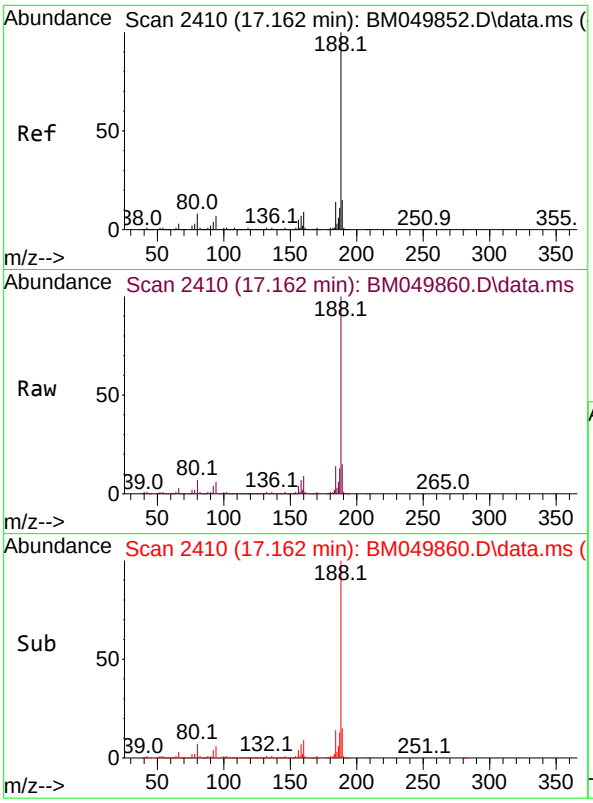


#45
2-Fluorobiphenyl
Concen: 89.167 ng
RT: 13.039 min Scan# 1709
Delta R.T. -0.006 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Tgt Ion:172 Resp: 4615951

Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.4	41.2
170	23.4	18.6	28.0



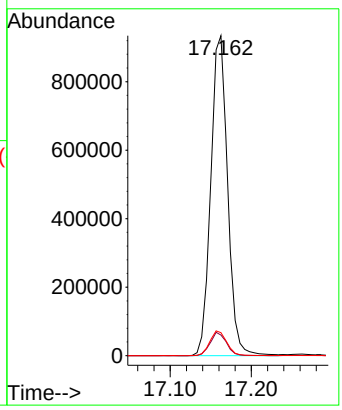


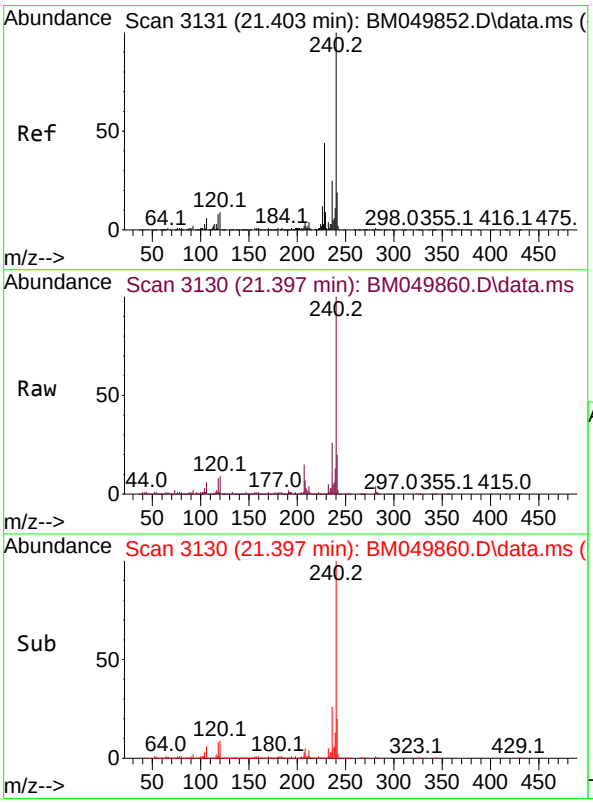
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Instrument :
BNA_M
ClientSampleId :
PB167521BL

Tgt Ion:188 Resp: 1345526

Ion	Ratio	Lower	Upper
188	100		
94	6.4	5.8	8.6
80	7.2	6.4	9.6

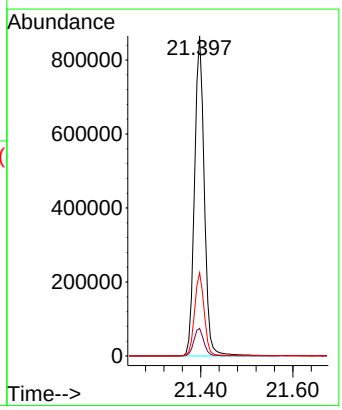


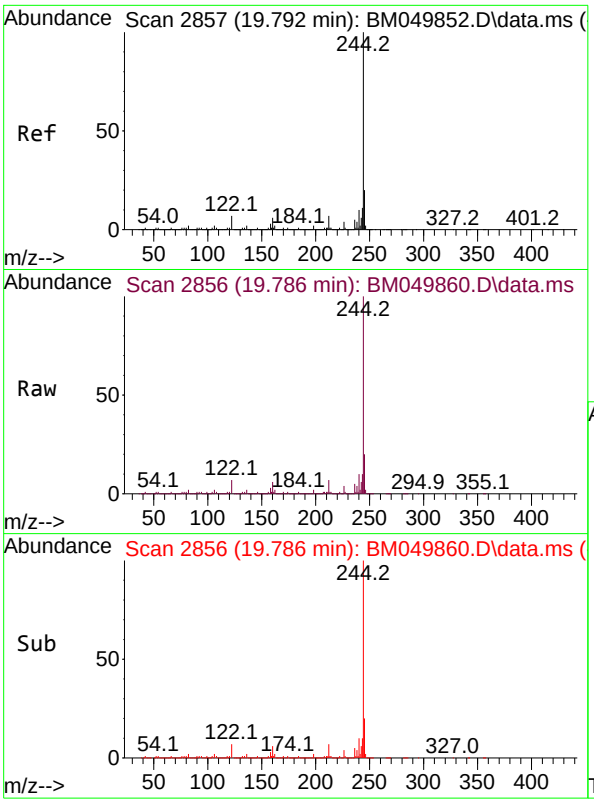


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Tgt Ion:240 Resp: 1270012

Ion	Ratio	Lower	Upper
240	100		
120	8.6	6.9	10.3
236	26.0	20.4	30.6



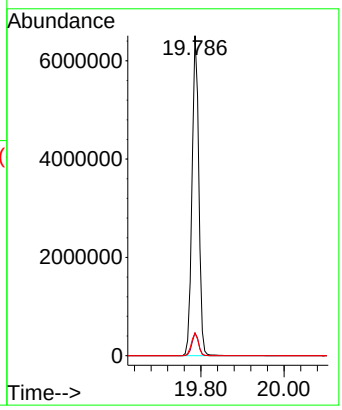


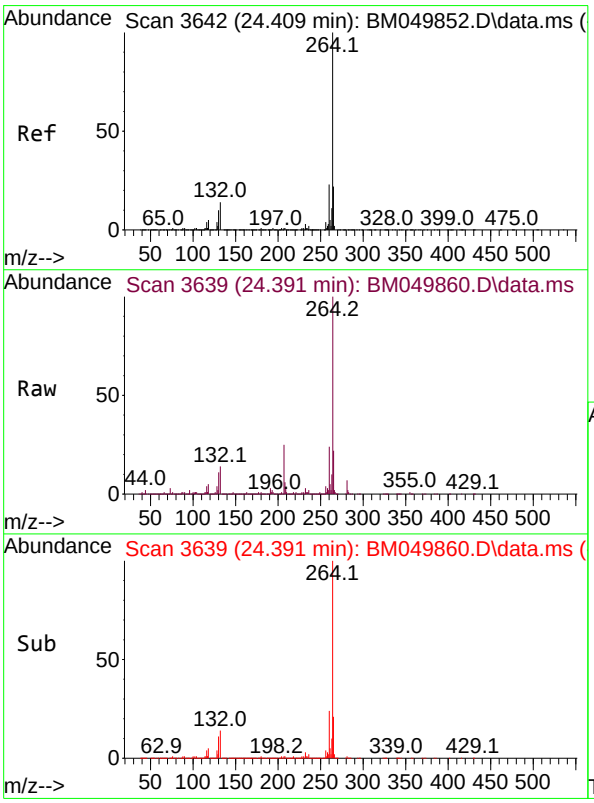
#79
Terphenyl-d14
Concen: 108.429 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Instrument :
BNA_M
ClientSampleId :
PB167521BL

Tgt Ion:244 Resp: 7348045

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	7.1	5.4	8.0

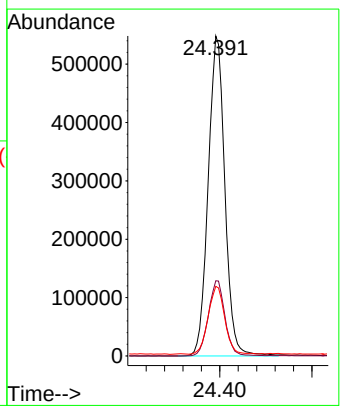




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.018 min
Lab File: BM049860.D
Acq: 09 Apr 2025 09:48

Tgt Ion:264 Resp: 1381061

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.8	17.8	26.8



Sample Results: **BM049860.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049860.D
Acq On : 09 Apr 2025 09:48
Operator : RC/JU
Sample : PB167521BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM049860.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.893	319	324	331	rBV	621713	828312	4.51%	1.050%
2	5.363	397	404	421	rBV	5572018	8103768	44.14%	10.273%
3	6.951	666	674	689	rBV	5200303	8017188	43.67%	10.163%
4	7.775	807	814	825	rBV	1146886	1795930	9.78%	2.277%
5	8.934	1003	1011	1023	rBV	3048207	5032869	27.41%	6.380%
6	10.569	1280	1289	1300	rBV	1289614	2203550	12.00%	2.793%
7	13.039	1701	1709	1727	rBV	8620554	12256483	66.76%	15.537%
8	14.416	1937	1943	1960	rBV	1859190	2833843	15.44%	3.592%
9	15.904	2188	2196	2210	rBV	6810742	9476102	51.62%	12.013%
10	17.162	2403	2410	2424	rBV2	2138722	3149174	17.15%	3.992%
11	19.786	2850	2856	2871	rBV	16064322	18358983	100.00%	23.273%
12	21.397	3124	3130	3139	rBV	2259669	3328561	18.13%	4.220%
13	24.391	3632	3639	3655	rVB	1387290	3499272	19.06%	4.436%

Sum of corrected areas: 78884035

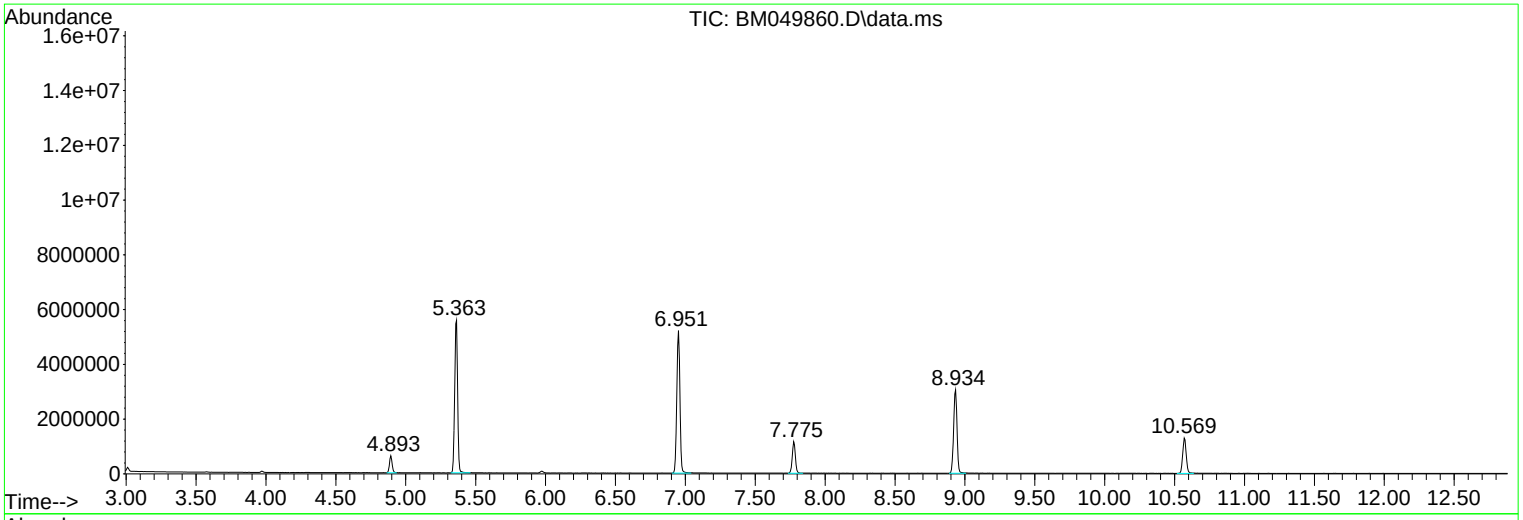
Sample Results: **BM049860.D**

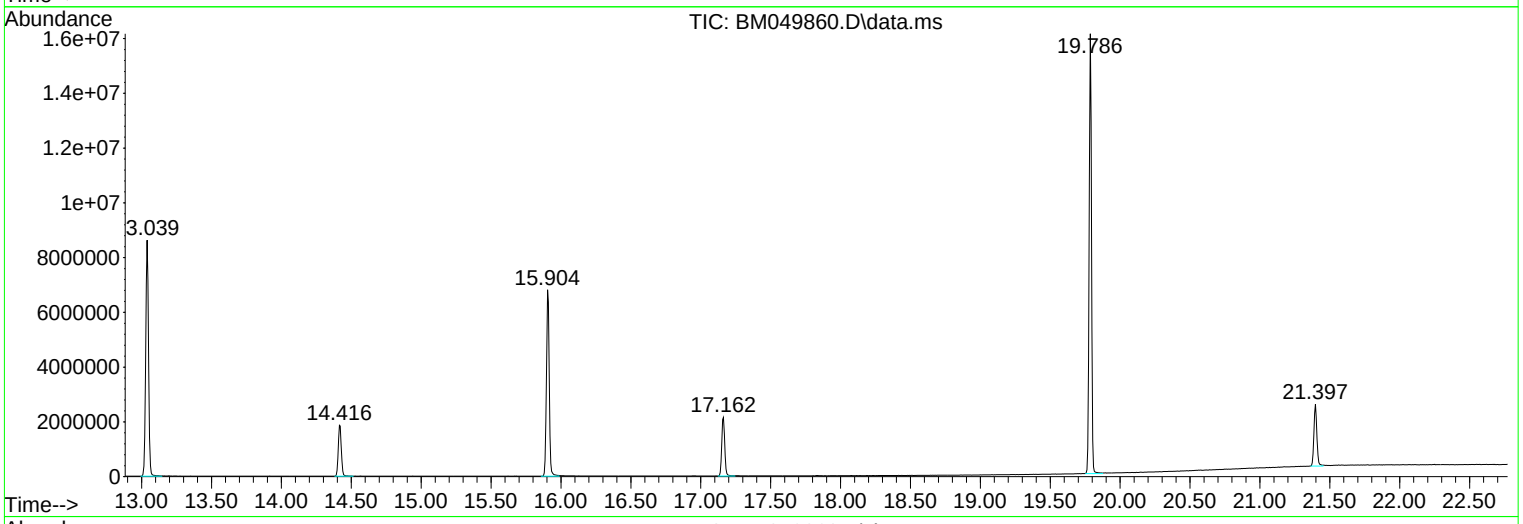
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049860.D
Acq On : 09 Apr 2025 09:48
Operator : RC/JU
Sample : PB167521BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

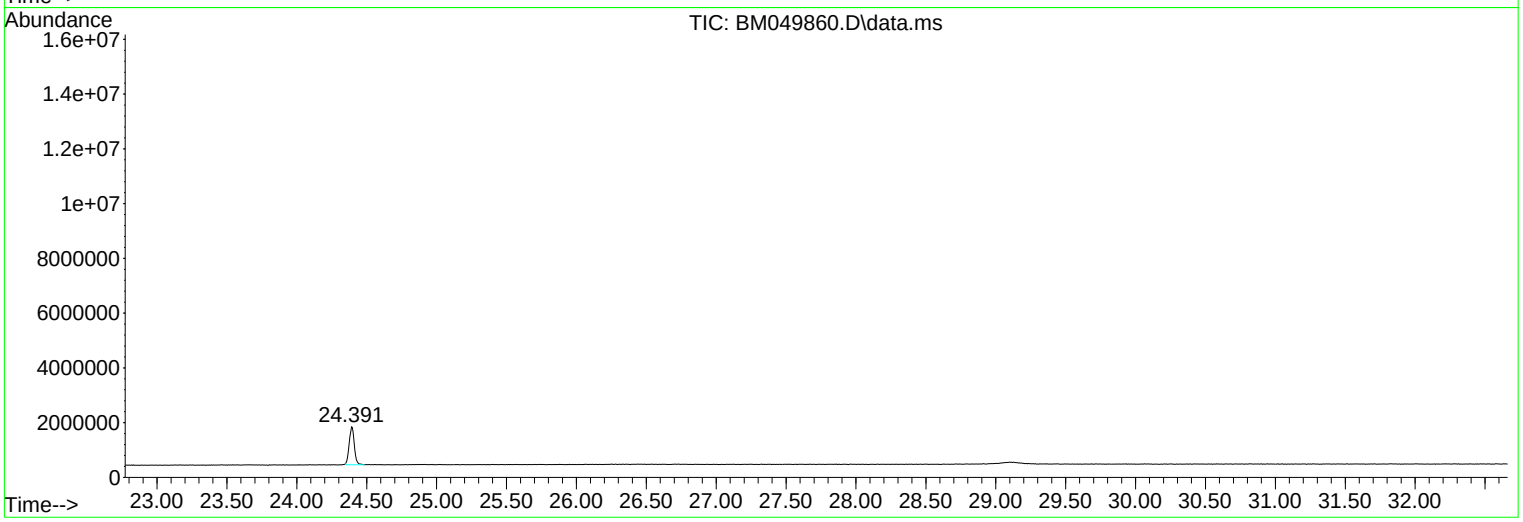
Instrument :
BNA_M
ClientSampleId :
PB167521BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049860.D
Acq On : 09 Apr 2025 09:48
Operator : RC/JU
Sample : PB167521BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BL

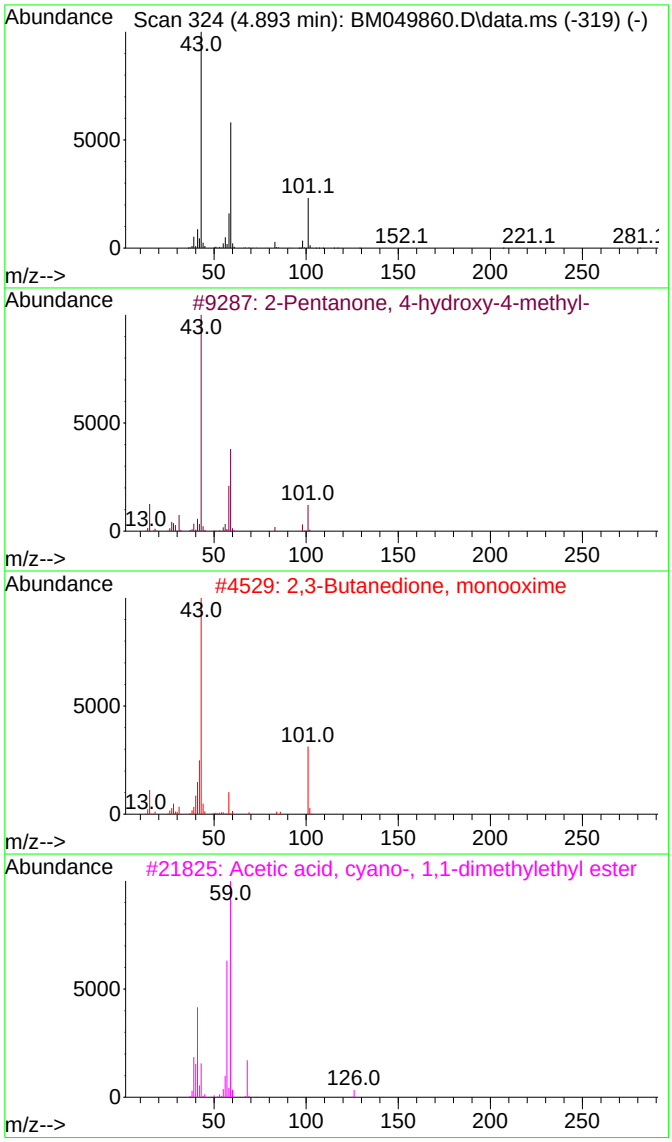
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

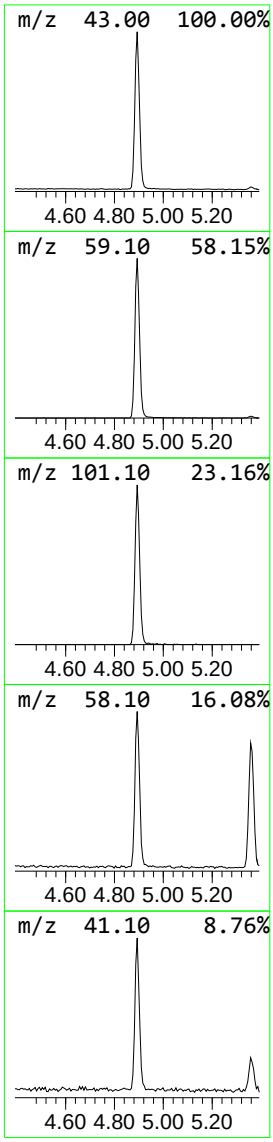
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.893	9.22 ng	828312	1,4-Dichlorobenzene-d4	7.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049860.D
Acq On : 09 Apr 2025 09:48
Operator : RC/JU
Sample : PB167521BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	4.893	9.2	ng	828312	1	7.775	1795930	20.0

Raw Data: **BM049861.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	
Client Sample ID:	PB167521BS	SDG No.:	Q1739
Lab Sample ID:	PB167521BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049861.D	1	04/08/25 11:55	04/09/25 10:27	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	35.7		3.90	10.0	ug/L
108-95-2	Phenol	42.1		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	41.4		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	41.6		0.58	5.00	ug/L
95-48-7	2-Methylphenol	44.0		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.2		1.30	5.00	ug/L
98-86-2	Acetophenone	41.0		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	43.6		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.8		1.40	2.50	ug/L
67-72-1	Hexachloroethane	41.0		0.65	5.00	ug/L
98-95-3	Nitrobenzene	40.6		0.76	5.00	ug/L
78-59-1	Isophorone	43.6		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	40.0		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	60.6		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.6		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	41.7		0.52	5.00	ug/L
91-20-3	Naphthalene	39.4		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	21.2		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.2		0.54	5.00	ug/L
105-60-2	Caprolactam	39.5		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	41.8		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	36.8		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	180	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	43.1		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	43.2		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	41.6		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	42.2		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	43.8		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	42.1		0.61	5.00	ug/L

Raw Data: **BM049861.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	
Client Sample ID:	PB167521BS	SDG No.:	Q1739
Lab Sample ID:	PB167521BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049861.D	1	04/08/25 11:55	04/09/25 10:27	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	45.7		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	43.4		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	22.2		1.10	5.00	ug/L
83-32-9	Acenaphthene	41.7		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	80.2	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	92.4	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	40.7		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	45.8		1.20	5.00	ug/L
84-66-2	Diethylphthalate	41.2		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	43.1		0.68	5.00	ug/L
86-73-7	Fluorene	42.7		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	41.6		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	43.6		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	44.3		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	43.4		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	43.8		0.52	5.00	ug/L
1912-24-9	Atrazine	62.2		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	87.0	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	43.8		0.50	5.00	ug/L
120-12-7	Anthracene	45.4		0.61	5.00	ug/L
86-74-8	Carbazole	43.7		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	41.8		1.20	5.00	ug/L
206-44-0	Fluoranthene	42.1		0.82	5.00	ug/L
129-00-0	Pyrene	43.8		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	42.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	23.5		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	44.0		0.45	5.00	ug/L
218-01-9	Chrysene	43.1		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	41.7		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	40.0		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	41.9		0.49	5.00	ug/L

Raw Data: **BM049861.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	
Client Sample ID:	PB167521BS	SDG No.:	Q1739
Lab Sample ID:	PB167521BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049861.D	1	04/08/25 11:55	04/09/25 10:27	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	44.5		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.4		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	44.5		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	44.0		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	42.3		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	42.4		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	32.1		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	42.1		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	119		10 - 139	79%	SPK: 150
13127-88-3	Phenol-d6	118		10 - 134	78%	SPK: 150
4165-60-0	Nitrobenzene-d5	79.5		49 - 133	79%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.6		52 - 132	83%	SPK: 100
118-79-6	2,4,6-Tribromophenol	130		44 - 137	87%	SPK: 150
1718-51-0	Terphenyl-d14	94.4		48 - 125	94%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	337000	7.775			
1146-65-2	Naphthalene-d8	1170000	10.569			
15067-26-2	Acenaphthene-d10	730000	14.421			
1517-22-2	Phenanthrene-d10	1420000	17.162			
1719-03-5	Chrysene-d12	1400000	21.397			
1520-96-3	Perylene-d12	1420000	24.391			

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\BM040925\
Data File : BM049861.D
Acq On : 09 Apr 2025 10:27
Operator : RC/JU
Sample : PB167521BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Quant Time: Apr 10 01:10:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.775	152	336910	20.000	ng		0.00
21) Naphthalene-d8	10.569	136	1172193	20.000	ng		0.00
39) Acenaphthene-d10	14.421	164	730256	20.000	ng		0.00
64) Phenanthrene-d10	17.162	188	1422911	20.000	ng		0.00
76) Chrysene-d12	21.397	240	1400193	20.000	ng		0.00
86) Perylene-d12	24.391	264	1421398	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	2359326	118.913	ng		0.00
7) Phenol-d6	6.951	99	2904820	117.673	ng		0.00
23) Nitrobenzene-d5	8.933	82	1673050	79.479	ng		0.00
42) 2,4,6-Tribromophenol	15.909	330	1380194	129.939	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	4447030	82.577	ng		0.00
79) Terphenyl-d14	19.786	244	7050422	94.364	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.257	88	262686	32.148	ng		99
3) Pyridine	3.657	79	736378	34.301	ng		99
4) n-Nitrosodimethylamine	3.563	42	321708	39.377	ng		98
6) Aniline	7.104	93	786603	37.187	ng		100
8) 2-Chlorophenol	7.345	128	846424	41.628	ng		99
9) Benzaldehyde	6.916	77	452619	35.730	ng		98
10) Phenol	6.981	94	1015187	42.142	ng		98
11) bis(2-Chloroethyl)ether	7.198	93	781591	41.374	ng		99
12) 1,3-Dichlorobenzene	7.669	146	976490	40.621	ng		99
13) 1,4-Dichlorobenzene	7.810	146	989229	40.897	ng		99
14) 1,2-Dichlorobenzene	8.128	146	941895	41.342	ng		100
15) Benzyl Alcohol	8.016	79	656468	42.231	ng		100
16) 2,2'-oxybis(1-Chloropr...	8.304	45	909970	43.218	ng		99
17) 2-Methylphenol	8.222	107	653053	43.991	ng		98
18) Hexachloroethane	8.857	117	345101	41.009	ng		98
19) n-Nitroso-di-n-propyla...	8.586	70	585502	42.824	ng		98
20) 3+4-Methylphenols	8.551	107	881759	43.568	ng		99
22) Acetophenone	8.598	105	1168530	41.018	ng	#	99
24) Nitrobenzene	8.975	77	821968	40.552	ng		98
25) Isophorone	9.504	82	1536740	43.579	ng		99
26) 2-Nitrophenol	9.686	139	430155	40.040	ng		99
27) 2,4-Dimethylphenol	9.751	122	738065	60.621	ng		99
28) bis(2-Chloroethoxy)met...	9.980	93	981482	41.574	ng		99
29) 2,4-Dichlorophenol	10.222	162	842978	41.653	ng		99
30) 1,2,4-Trichlorobenzene	10.433	180	943265	40.289	ng		99
31) Naphthalene	10.622	128	2371128	39.367	ng		99
32) Benzoic acid	9.886	122	519818	36.856	ng		97
33) 4-Chloroaniline	10.727	127	451143	21.212	ng		98
34) Hexachlorobutadiene	10.910	225	596021	41.155	ng		99
35) Caprolactam	11.510	113	229193	39.485	ng		96
36) 4-Chloro-3-methylphenol	11.863	107	741890	41.849	ng		99
37) 2-Methylnaphthalene	12.233	142	1561901	36.805	ng		100
38) 1-Methylnaphthalene	12.457	142	1638645	39.635	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	1082730	42.381	ng		98
41) Hexachlorocyclopentadiene	12.592	237	1584026	176.945	ng		99
43) 2,4,6-Trichlorophenol	12.851	196	701162	43.130	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049861.D
Acq On : 09 Apr 2025 10:27
Operator : RC/JU
Sample : PB167521BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Quant Time: Apr 10 01:10:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

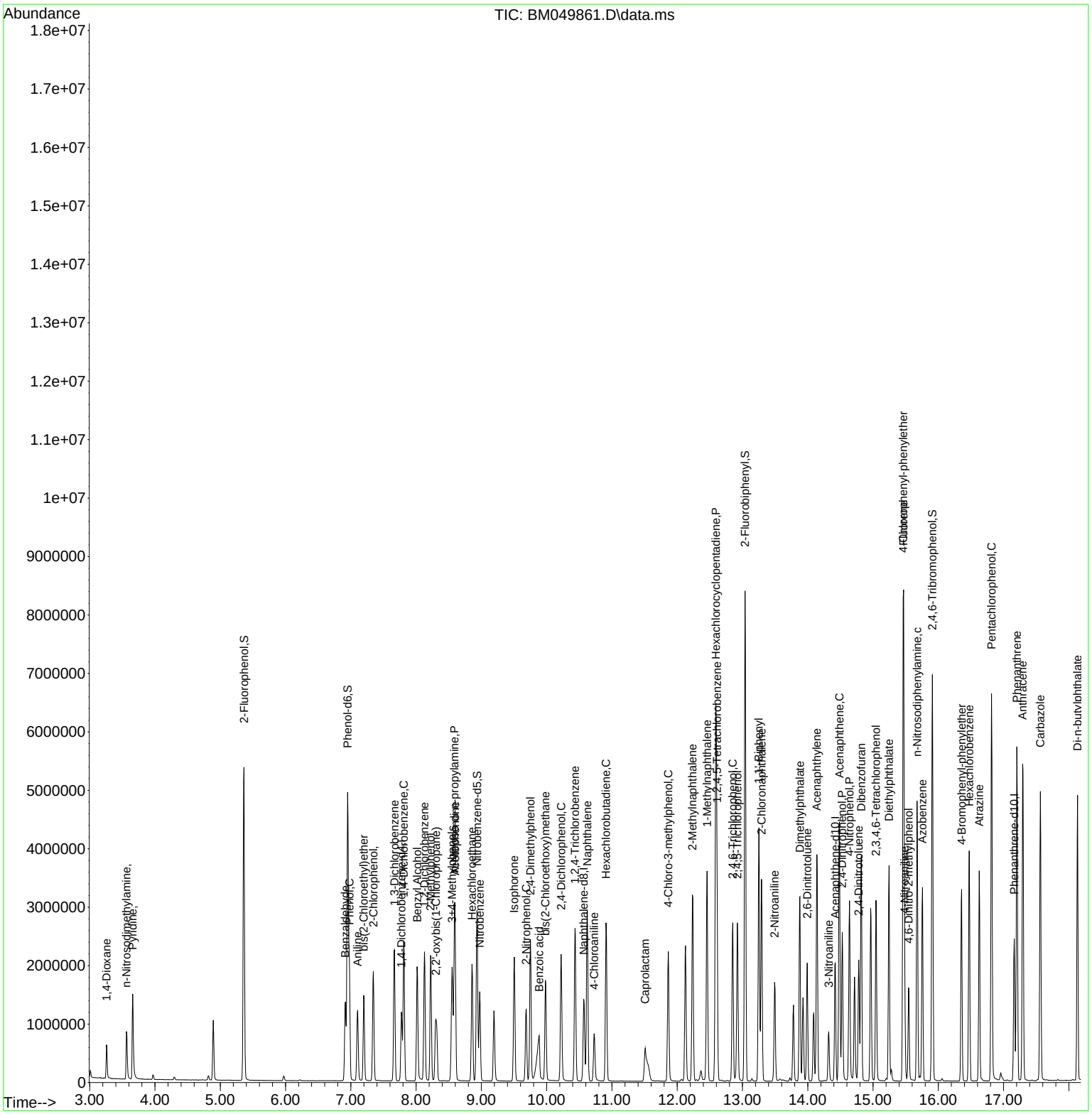
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.921	196	762647	43.169	ng	100
46) 1,1'-Biphenyl	13.251	154	2258251	41.600	ng	99
47) 2-Chloronaphthalene	13.292	162	1799659	42.179	ng	99
48) 2-Nitroaniline	13.492	65	431984	43.764	ng	96
49) Acenaphthylene	14.139	152	2838072	45.664	ng	100
50) Dimethylphthalate	13.880	163	2167102	42.064	ng	100
51) 2,6-Dinitrotoluene	13.992	165	468618	43.415	ng	96
52) Acenaphthene	14.486	154	1650214	41.742	ng	99
53) 3-Nitroaniline	14.321	138	231391	22.180	ng	98
54) 2,4-Dinitrophenol	14.527	184	627402	80.241	ng	97
55) Dibenzofuran	14.821	168	2688052	40.674	ng	99
56) 4-Nitrophenol	14.639	139	859247	92.427	ng	100
57) 2,4-Dinitrotoluene	14.780	165	659596	45.806	ng	98
58) Fluorene	15.468	166	2242323	42.685	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	651304	42.062	ng	99
60) Diethylphthalate	15.245	149	2033089	41.151	ng	99
61) 4-Chlorophenyl-phenyle...	15.462	204	1214951	43.138	ng	100
62) 4-Nitroaniline	15.486	138	448934	41.612	ng	97
63) Azobenzene	15.757	77	1748674	41.341	ng	98
65) 4,6-Dinitro-2-methylph...	15.545	198	390616	43.564	ng	99
66) n-Nitrosodiphenylamine	15.674	169	1888370	44.346	ng	100
67) 4-Bromophenyl-phenylether	16.356	248	716854	43.398	ng	97
68) Hexachlorobenzene	16.474	284	829113	43.760	ng	98
69) Atrazine	16.627	200	686882	62.213	ng	99
70) Pentachlorophenol	16.815	266	1213366	86.985	ng	99
71) Phenanthrene	17.203	178	3414386	43.769	ng	100
72) Anthracene	17.292	178	3489185	45.387	ng	99
73) Carbazole	17.562	167	3162399	43.674	ng	99
74) Di-n-butylphthalate	18.133	149	3486809	41.808	ng	99
75) Fluoranthene	19.221	202	4035546	42.074	ng	99
77) Benzidine	19.403	184	1680751	90.482	ng	100
78) Pyrene	19.580	202	4223716	43.770	ng	100
80) Butylbenzylphthalate	20.486	149	1532691	42.270	ng	97
81) Benzo(a)anthracene	21.380	228	4096069	44.017	ng	100
82) 3,3'-Dichlorobenzidine	21.303	252	825078	23.478	ng	100
83) Chrysene	21.444	228	3809504	43.060	ng	100
84) Bis(2-ethylhexyl)phtha...	21.309	149	2204910	41.737	ng	99
85) Di-n-octyl phthalate	22.438	149	3700122	40.036	ng	100
87) Indeno(1,2,3-cd)pyrene	27.779	276	4713585	44.488	ng	99
88) Benzo(b)fluoranthene	23.450	252	3803665	41.900	ng	100
89) Benzo(k)fluoranthene	23.515	252	3915062	44.504	ng	100
90) Benzo(a)pyrene	24.256	252	3700670	46.391	ng	99
91) Dibenzo(a,h)anthracene	27.832	278	3840955	44.011	ng	99
92) Benzo(g,h,i)perylene	28.832	276	3776735	42.349	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049861.D
Acq On : 09 Apr 2025 10:27
Operator : RC/JU
Sample : PB167521BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Quant Time: Apr 10 01:10:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

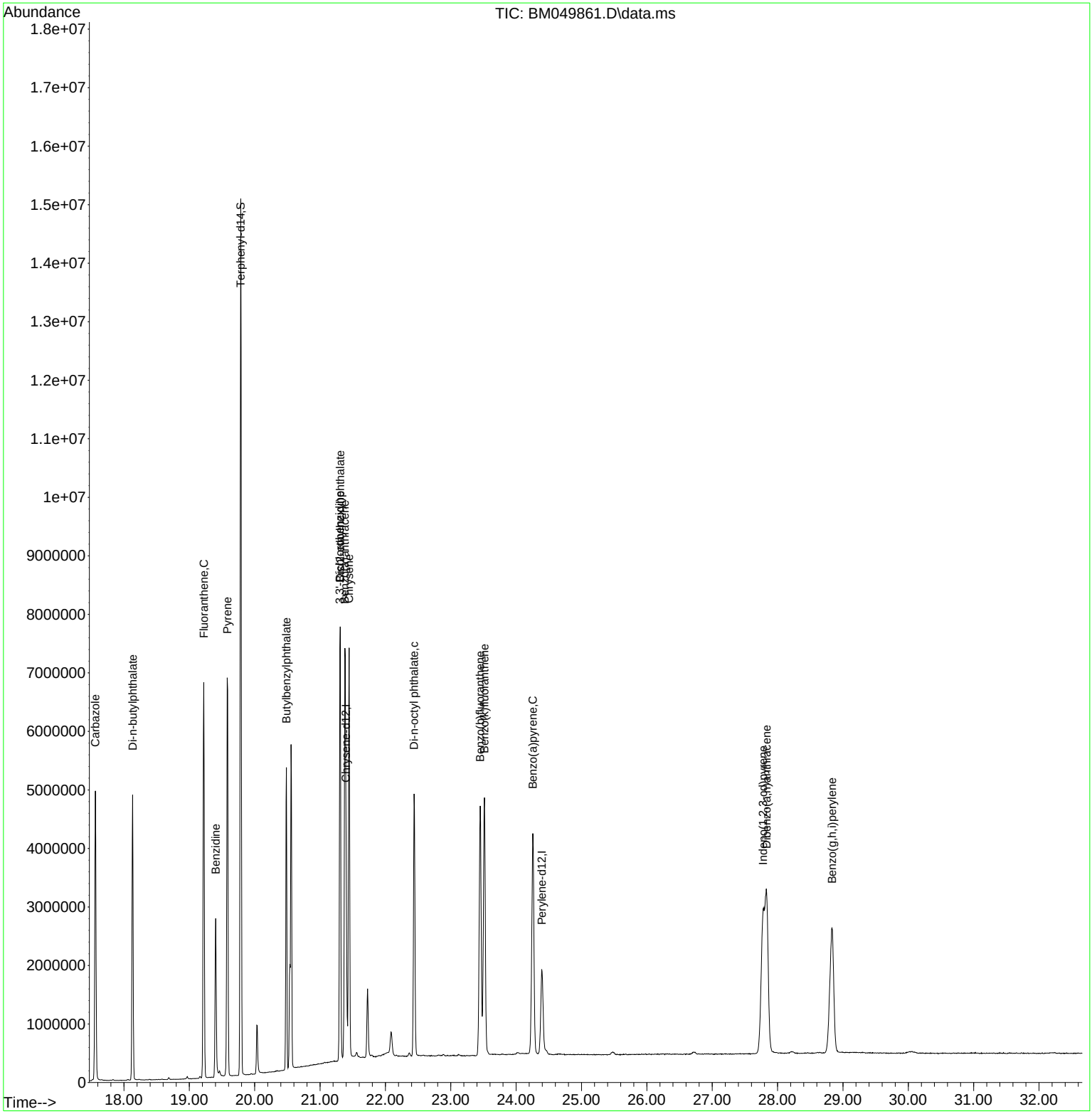


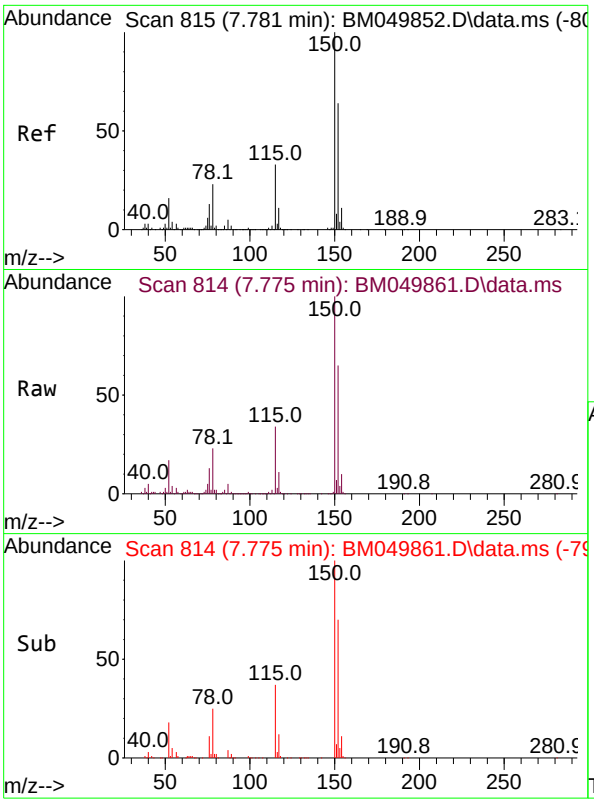
Sample Results: **BM049861.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049861.D
Acq On : 09 Apr 2025 10:27
Operator : RC/JU
Sample : PB167521BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Quant Time: Apr 10 01:10:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



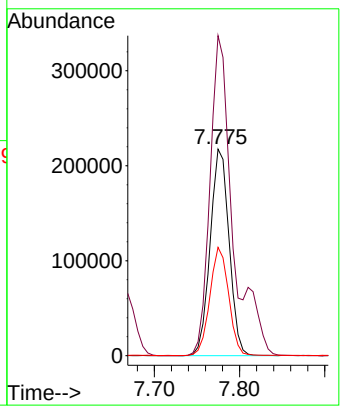


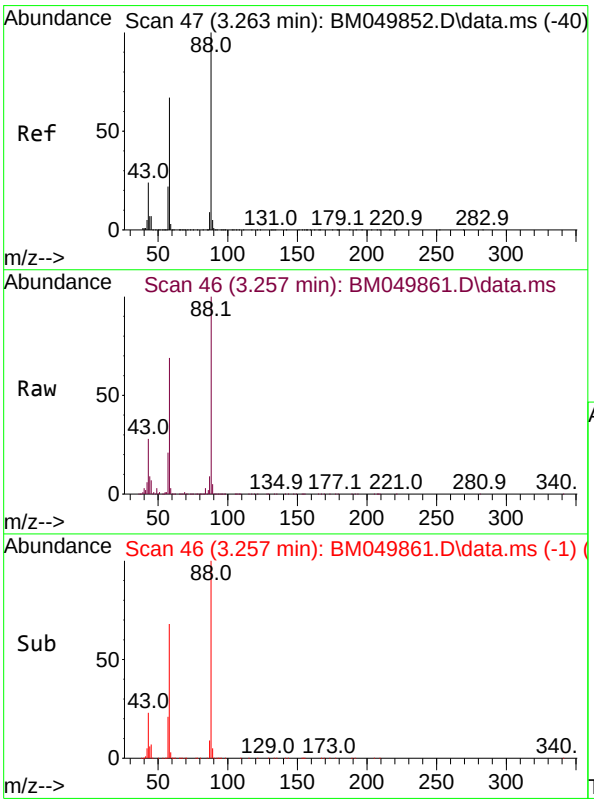
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:152 Resp: 336910

Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.3	186.5
115	52.5	41.1	61.7

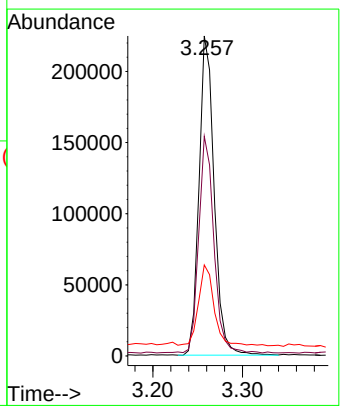


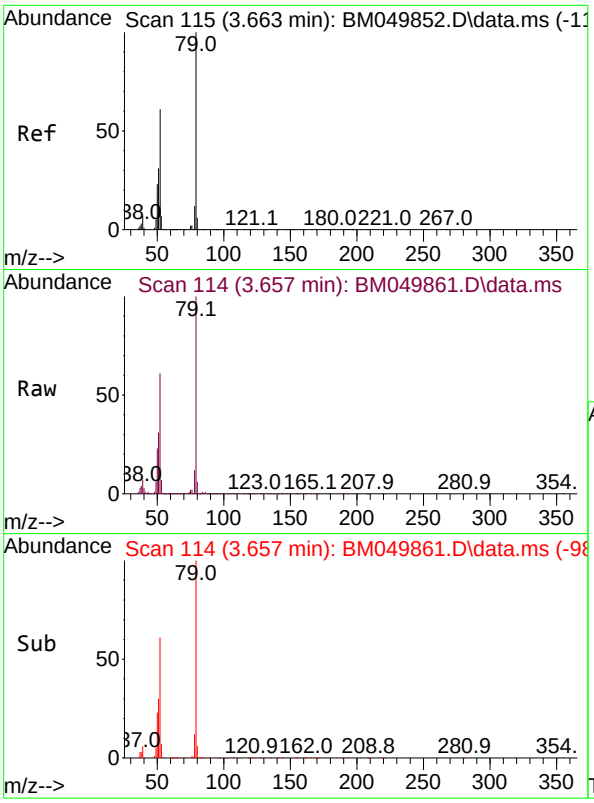


#2
1,4-Dioxane
Concen: 32.148 ng
RT: 3.257 min Scan# 46
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion: 88 Resp: 262686

Ion	Ratio	Lower	Upper
88	100		
58	68.1	54.1	81.1
43	26.6	20.2	30.4



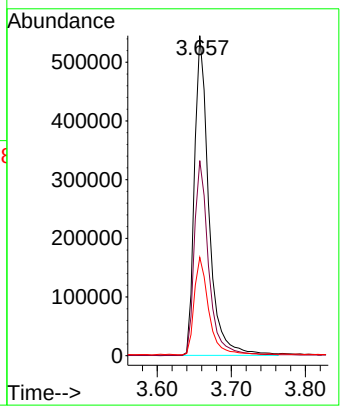


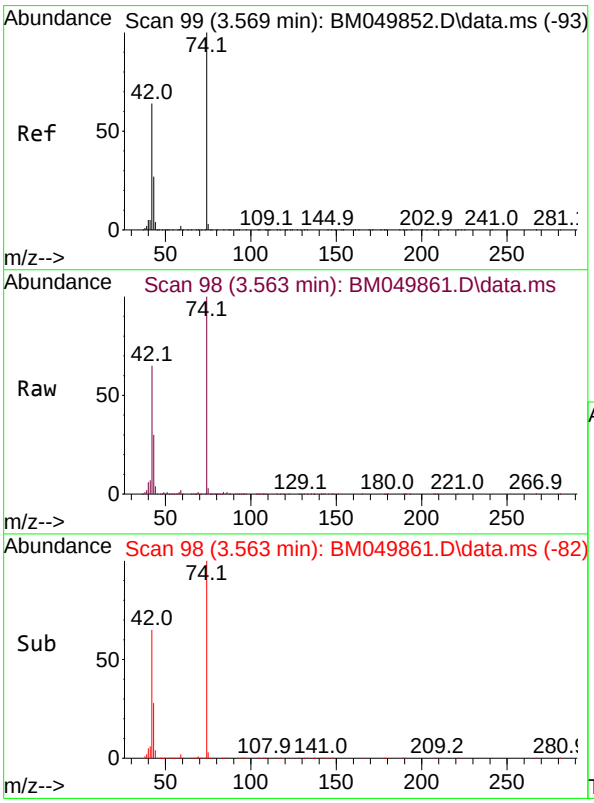
#3
Pyridine
Concen: 34.301 ng
RT: 3.657 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion: 79 Resp: 736378

Ion	Ratio	Lower	Upper
79	100		
52	60.9	48.9	73.3
51	30.7	25.0	37.6

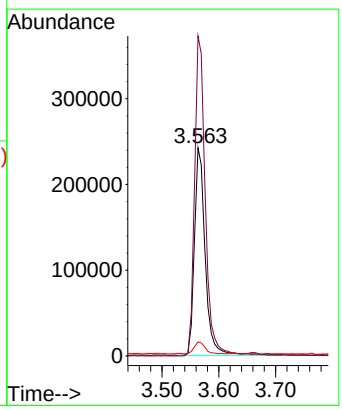


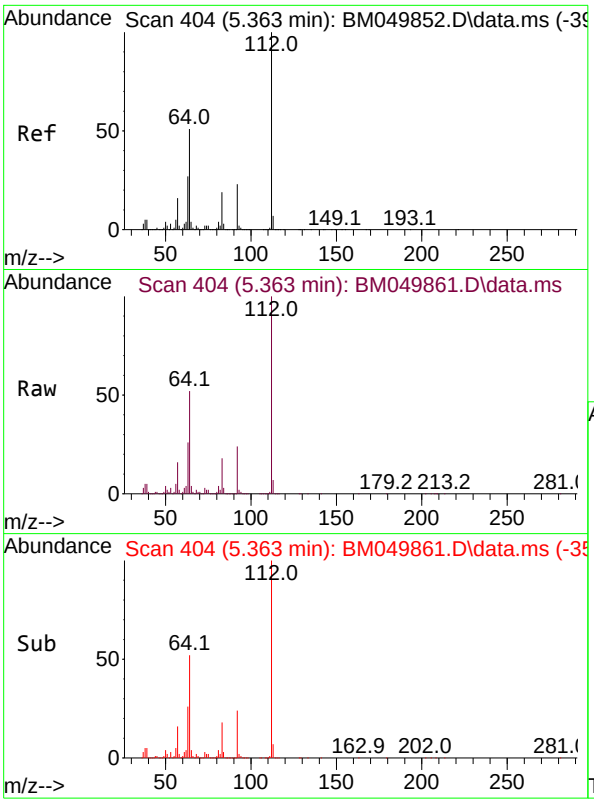


#4
n-Nitrosodimethylamine
Concen: 39.377 ng
RT: 3.563 min Scan# 98
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion: 42 Resp: 321708

Ion	Ratio	Lower	Upper
42	100		
74	153.9	125.4	188.2
44	6.8	5.9	8.9



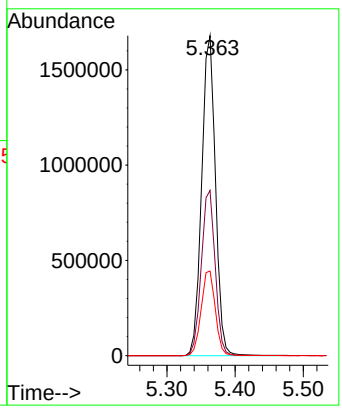


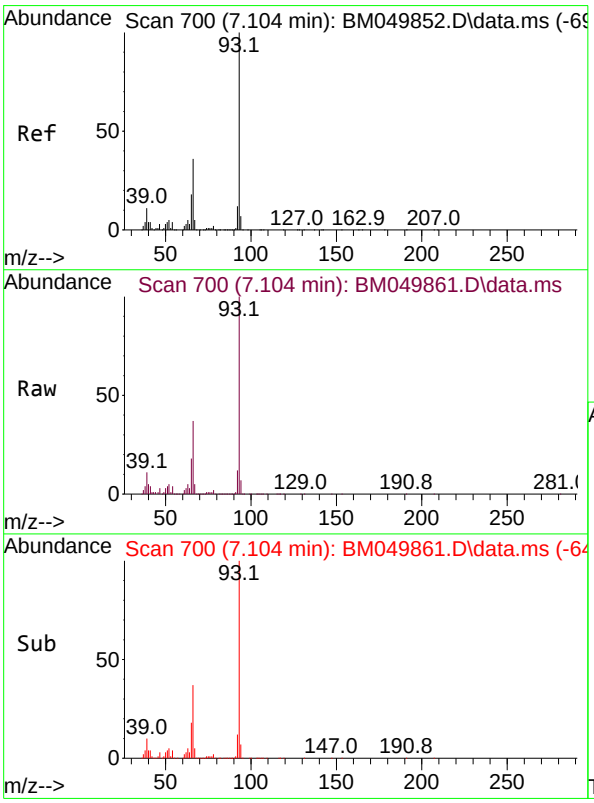
#5
2-Fluorophenol
Concen: 118.913 ng
RT: 5.363 min Scan# 4(
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:112 Resp: 2359326

Ion	Ratio	Lower	Upper
112	100		
64	51.6	41.0	61.6
63	26.5	21.5	32.3

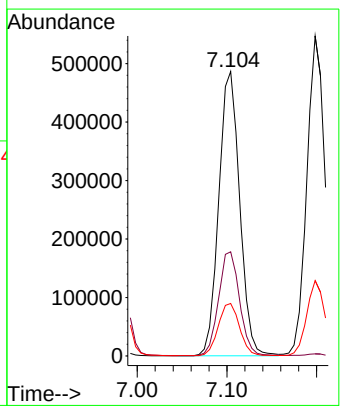


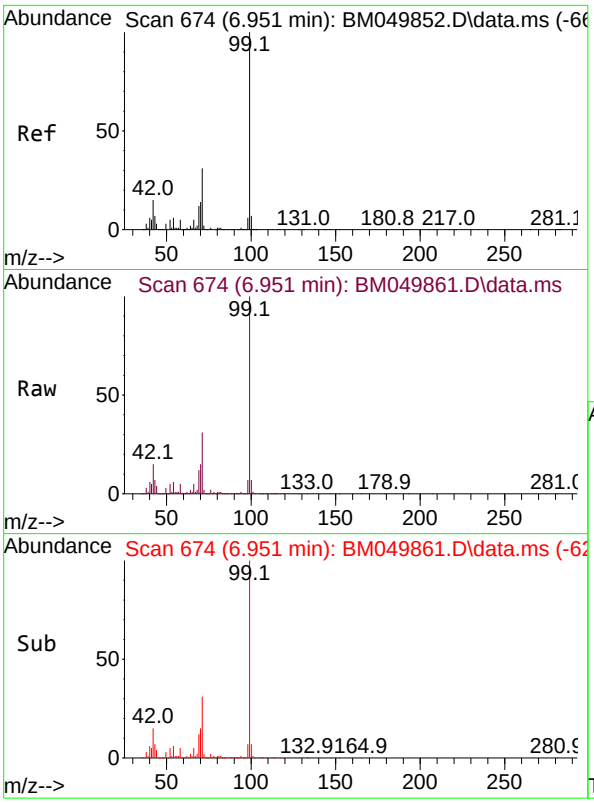


#6
Aniline
Concen: 37.187 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion: 93 Resp: 786603

Ion	Ratio	Lower	Upper
93	100		
66	36.6	29.1	43.7
65	18.4	14.9	22.3



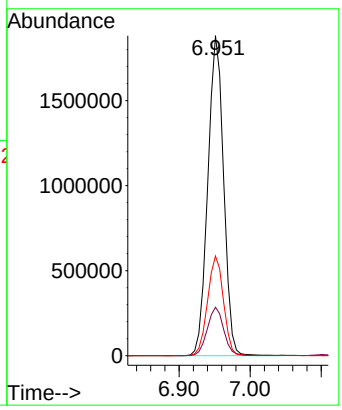


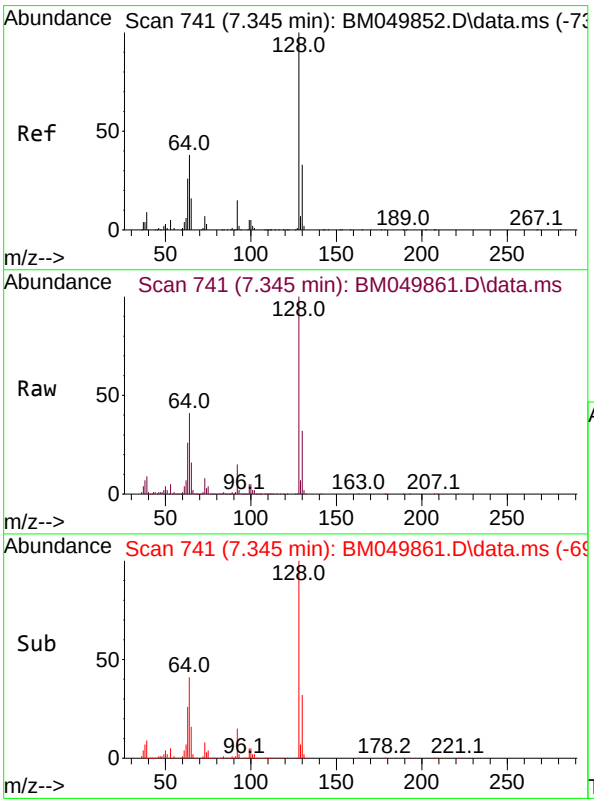
#7
Phenol-d6
Concen: 117.673 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion: 99 Resp: 2904820

Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.1	18.1
71	31.1	24.9	37.3

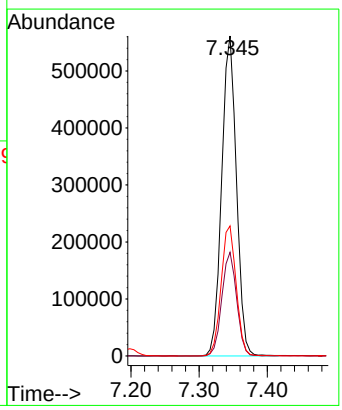


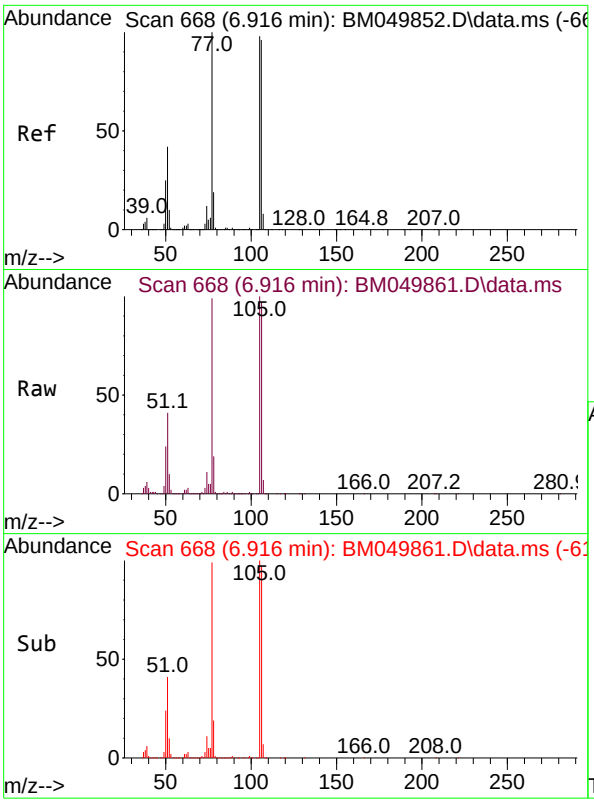


#8
2-Chlorophenol
Concen: 41.628 ng
RT: 7.345 min Scan# 741
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:128 Resp: 846424

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.6	52.6
64	40.7	21.1	61.1



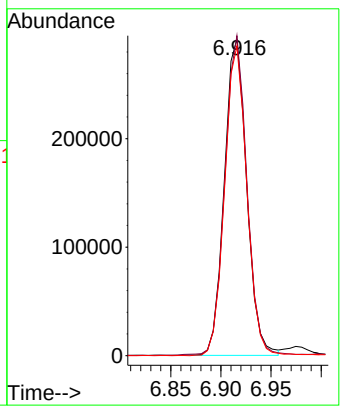


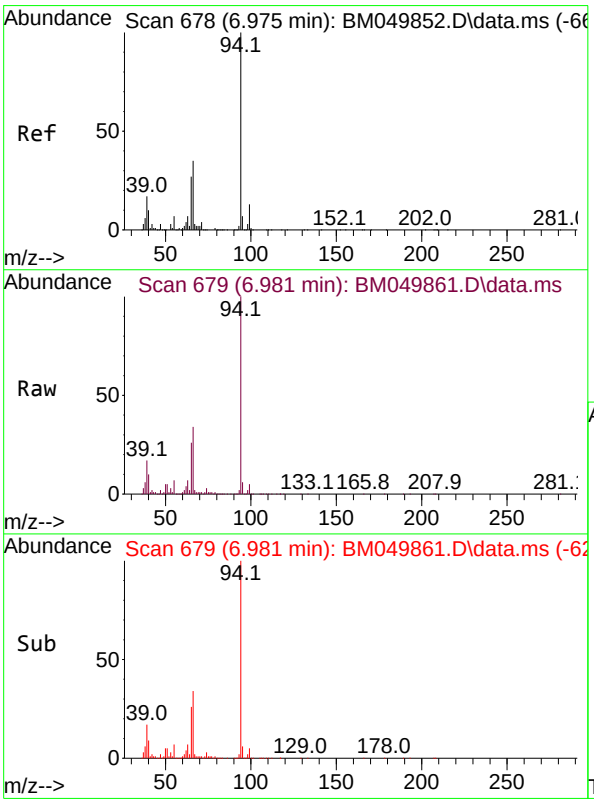
#9
Benzaldehyde
Concen: 35.730 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion: 77 Resp: 452619

Ion	Ratio	Lower	Upper
77	100		
105	101.1	78.3	118.3
106	97.8	76.0	116.0

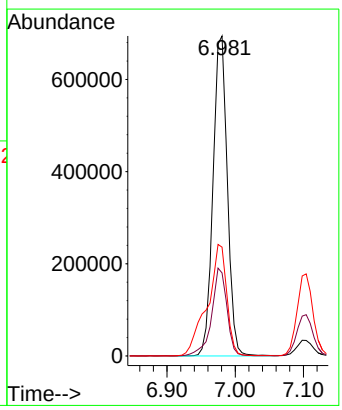


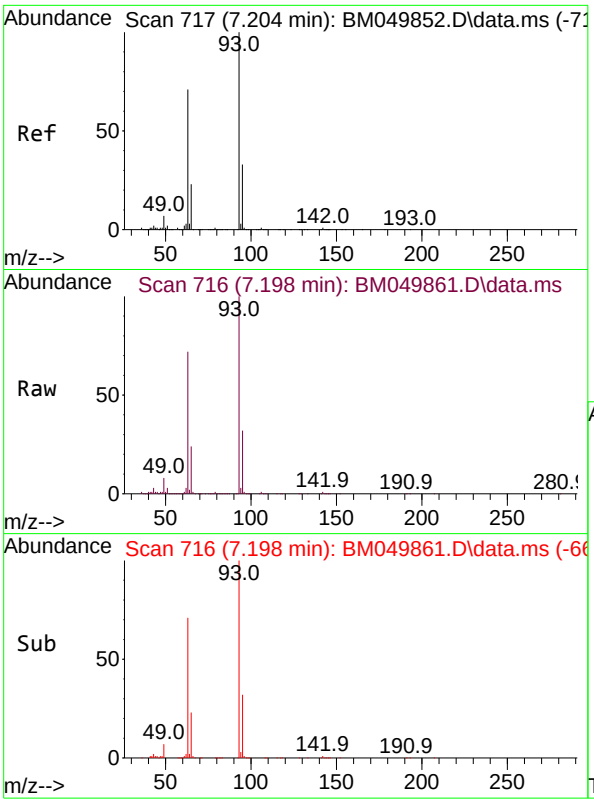


#10
Phenol
Concen: 42.142 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion: 94 Resp: 1015187

Ion	Ratio	Lower	Upper
94	100		
65	26.0	7.3	47.3
66	34.0	14.8	54.8



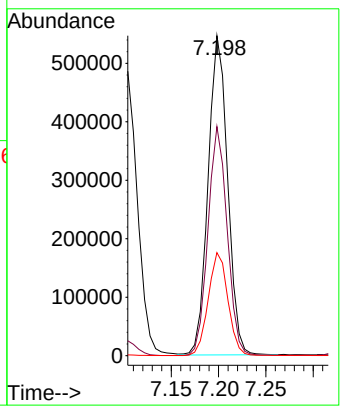


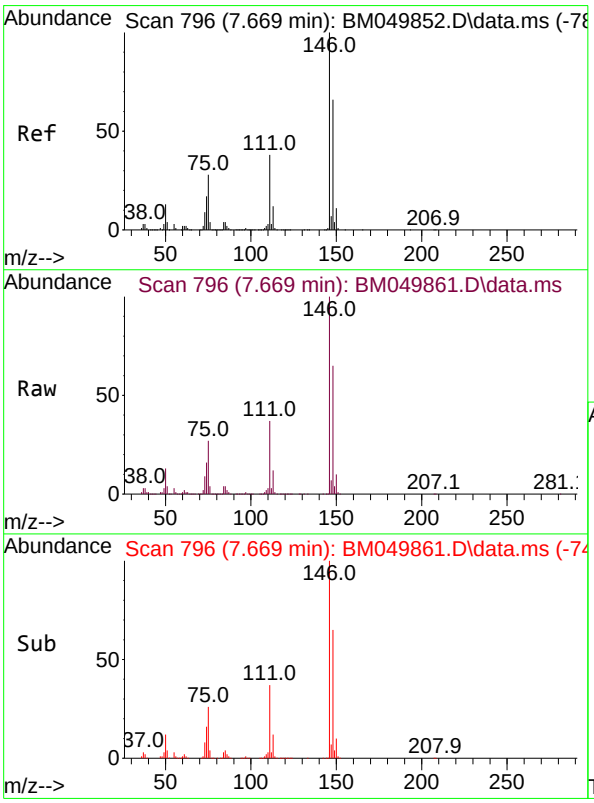
#11
bis(2-Chloroethyl)ether
Concen: 41.374 ng
RT: 7.198 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion: 93 Resp: 781591

Ion	Ratio	Lower	Upper
93	100		
63	71.6	50.9	90.9
95	32.2	12.6	52.6

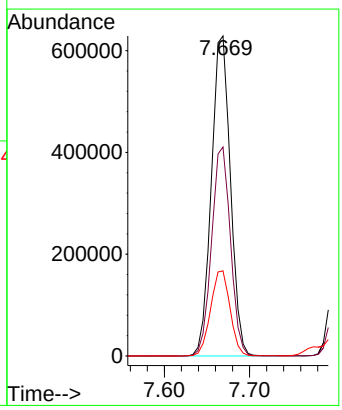


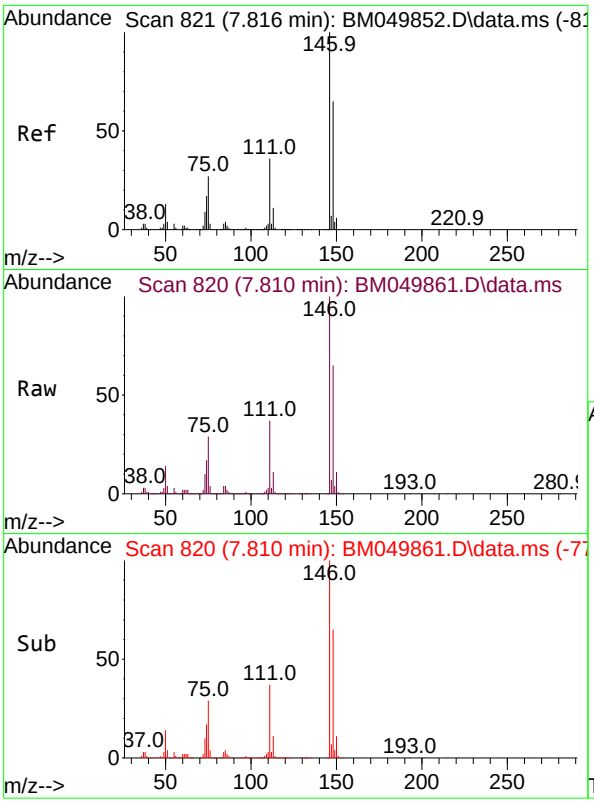


#12
1,3-Dichlorobenzene
Concen: 40.621 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:146 Resp: 976490

Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.5	78.7
75	26.6	22.5	33.7



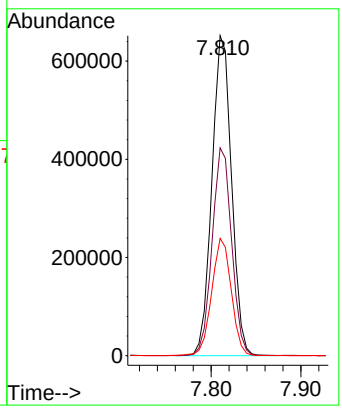


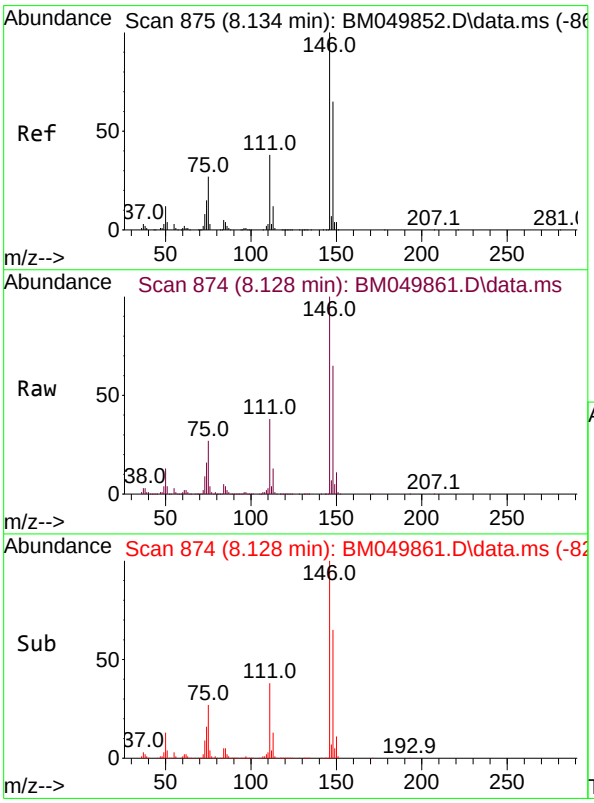
#13
1,4-Dichlorobenzene
Concen: 40.897 ng
RT: 7.810 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:146 Resp: 989229

Ion	Ratio	Lower	Upper
146	100		
148	65.0	52.4	78.6
111	36.6	28.5	42.7

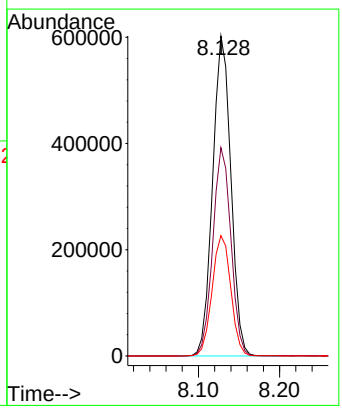


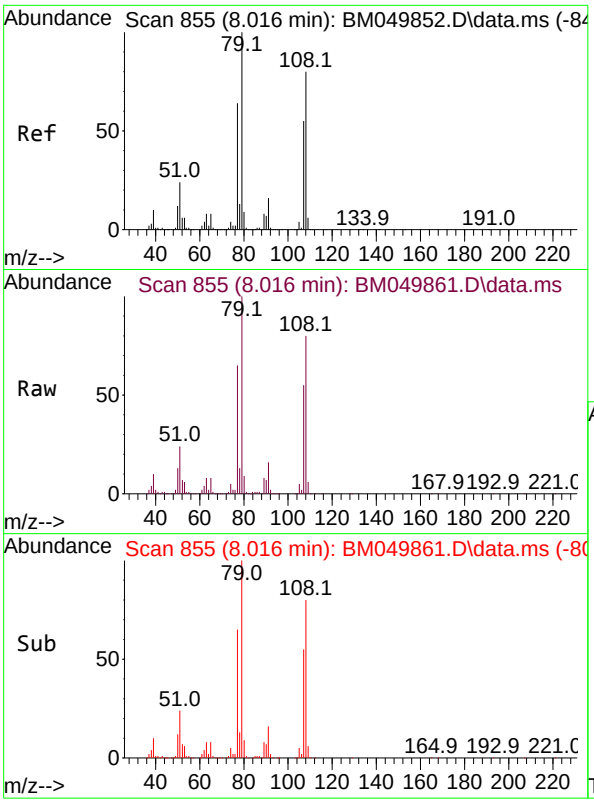


#14
1,2-Dichlorobenzene
Concen: 41.342 ng
RT: 8.128 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:146 Resp: 941895

Ion	Ratio	Lower	Upper
146	100		
148	65.1	51.8	77.8
111	37.6	30.2	45.4



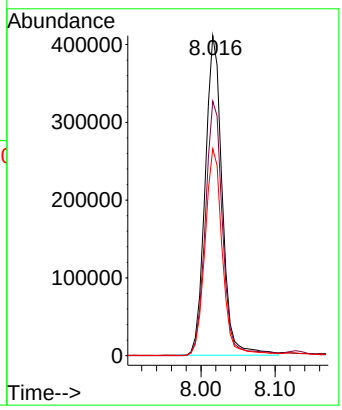


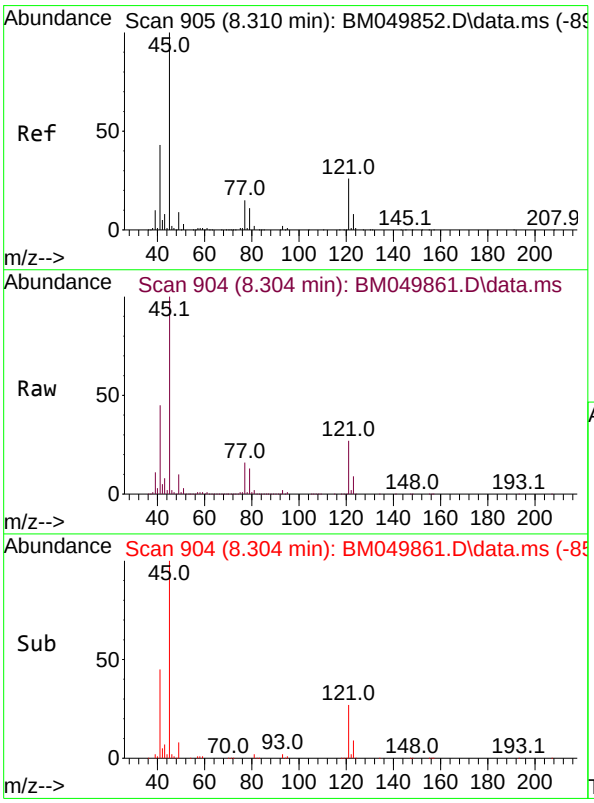
#15
Benzyl Alcohol
Concen: 42.231 ng
RT: 8.016 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion: 79 Resp: 656468

Ion	Ratio	Lower	Upper
79	100		
108	79.6	63.6	95.4
77	64.7	51.3	76.9

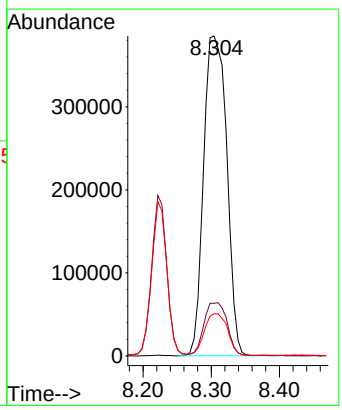


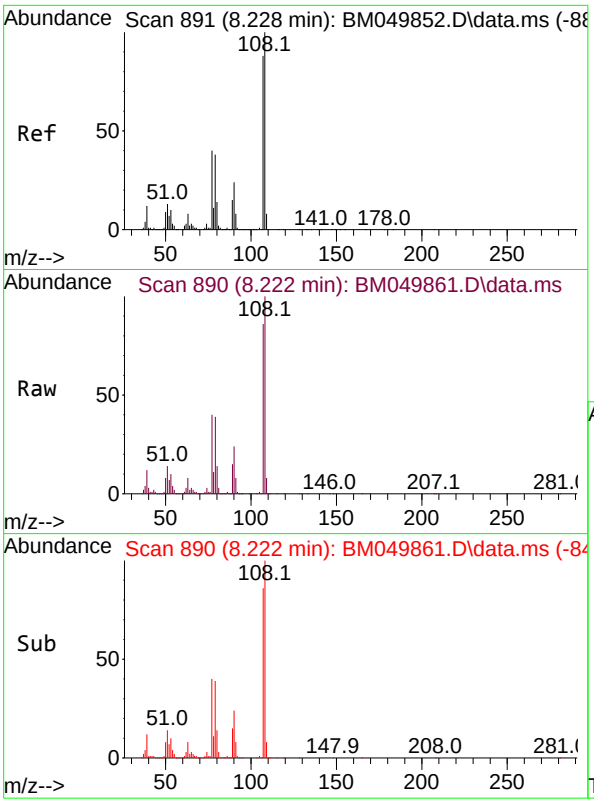


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.218 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion: 45 Resp: 909970

Ion	Ratio	Lower	Upper
45	100		
77	16.5	0.0	36.9
79	13.2	0.0	32.9



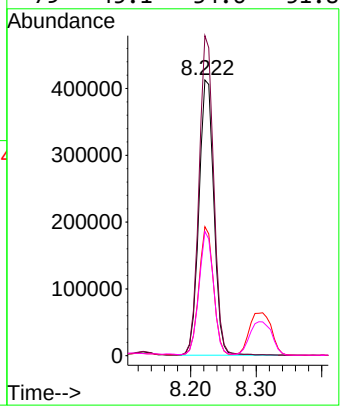


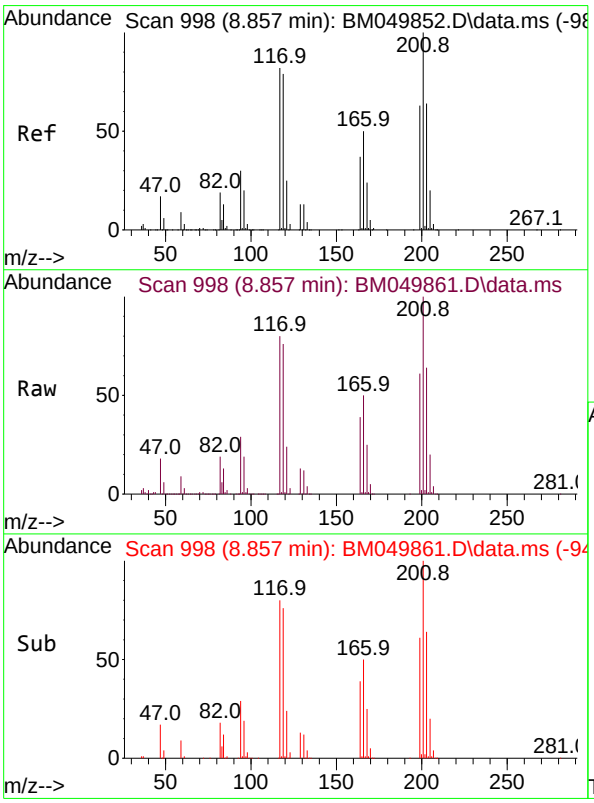
#17
2-Methylphenol
Concen: 43.991 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:107 Resp: 653053

Ion	Ratio	Lower	Upper
107	100		
108	116.1	91.0	136.6
77	46.8	36.5	54.7
79	45.1	34.6	51.8

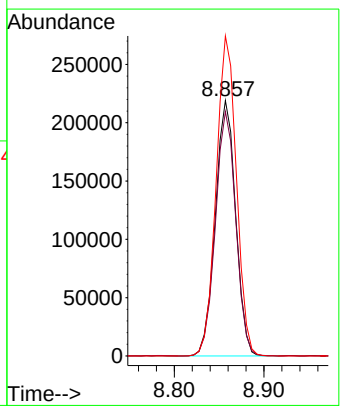


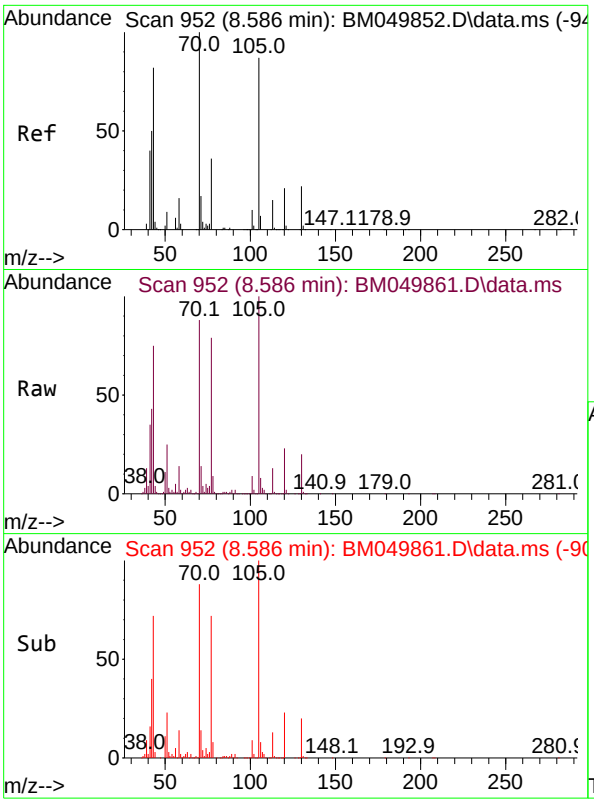


#18
Hexachloroethane
Concen: 41.009 ng
RT: 8.857 min Scan# 998
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:117 Resp: 345101

Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.5	116.3
201	125.3	97.7	146.5



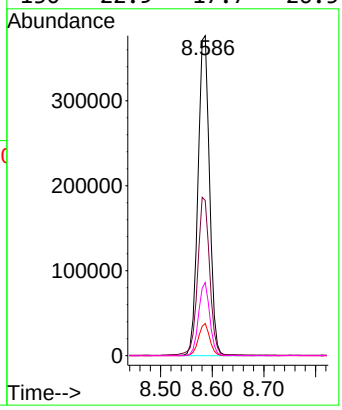


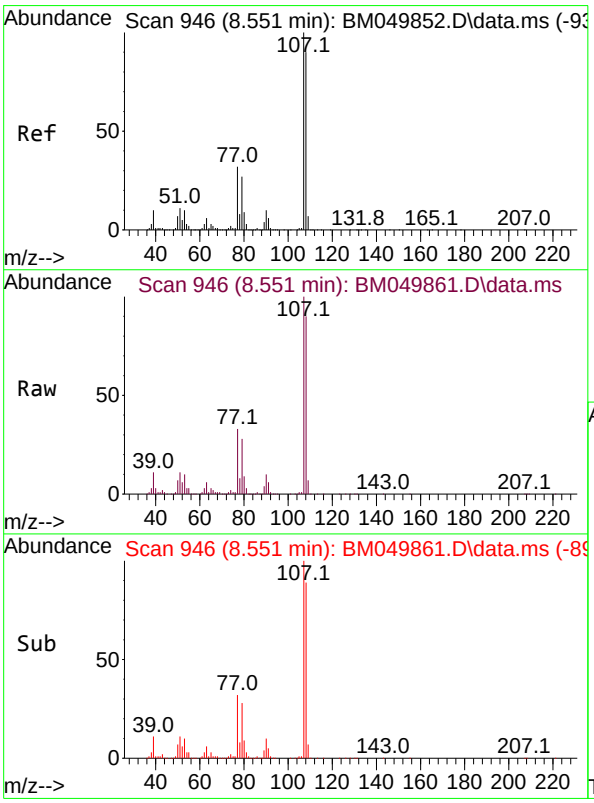
#19
n-Nitroso-di-n-propylamine
Concen: 42.824 ng
RT: 8.586 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion: 70 Resp: 585502

Ion	Ratio	Lower	Upper
70	100		
42	48.5	40.2	60.2
101	10.1	7.9	11.9
130	22.9	17.7	26.5

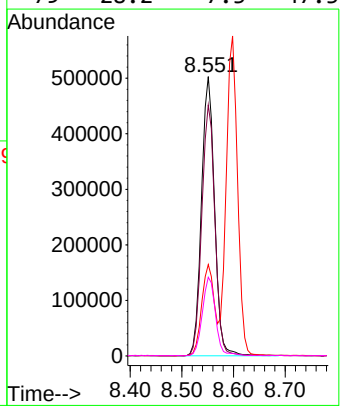


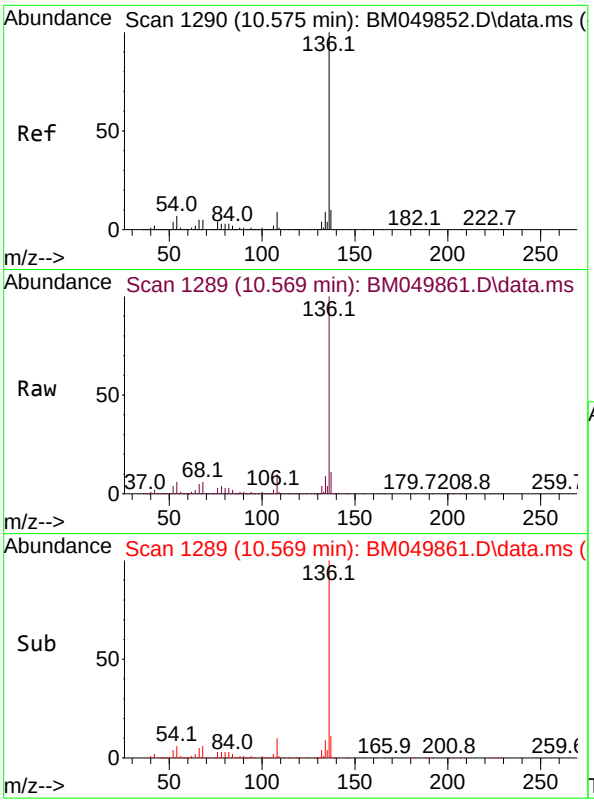


#20
3+4-Methylphenols
Concen: 43.568 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:107 Resp: 881759

Ion	Ratio	Lower	Upper
107	100		
108	89.8	69.6	109.6
77	32.7	11.7	51.7
79	28.2	7.3	47.3



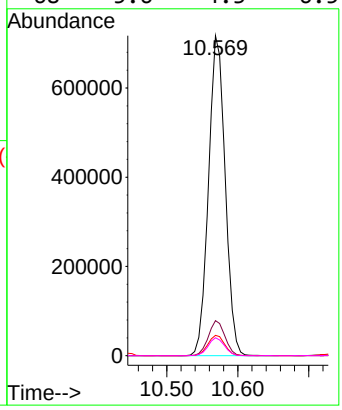


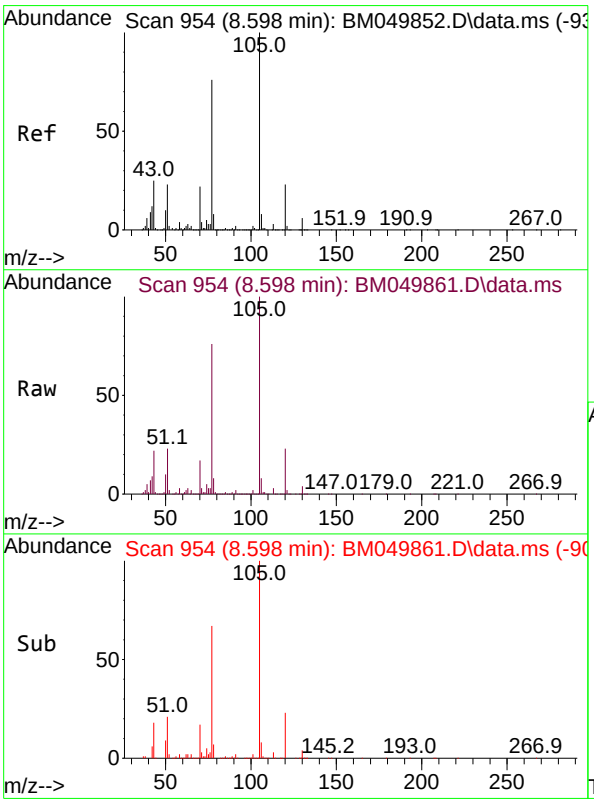
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:136 Resp: 1172193

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	6.3	5.3	7.9
68	5.6	4.3	6.5

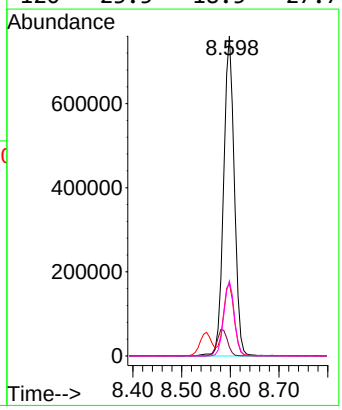


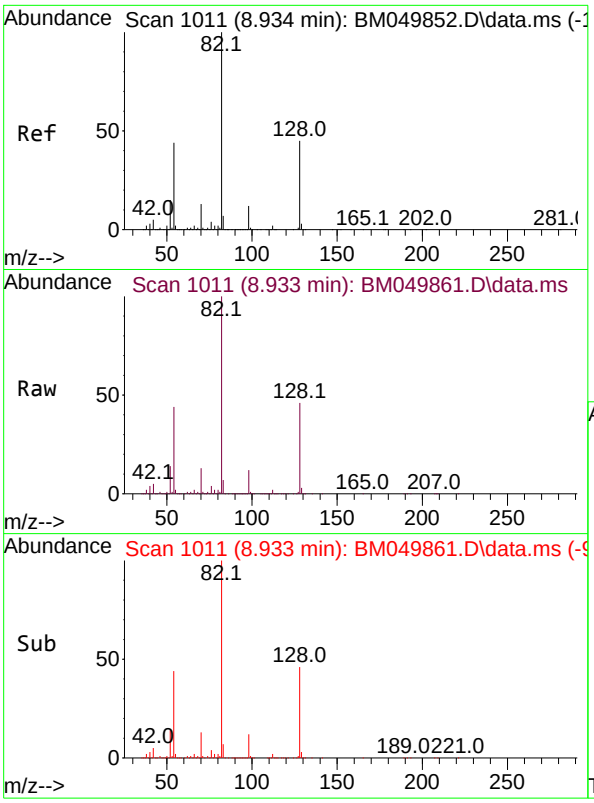


#22
Acetophenone
Concen: 41.018 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:105 Resp: 1168530

Ion	Ratio	Lower	Upper
105	100		
71	2.7	3.0	4.4#
51	22.6	18.6	27.8
120	23.5	18.5	27.7



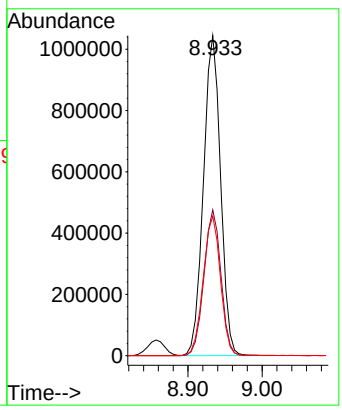


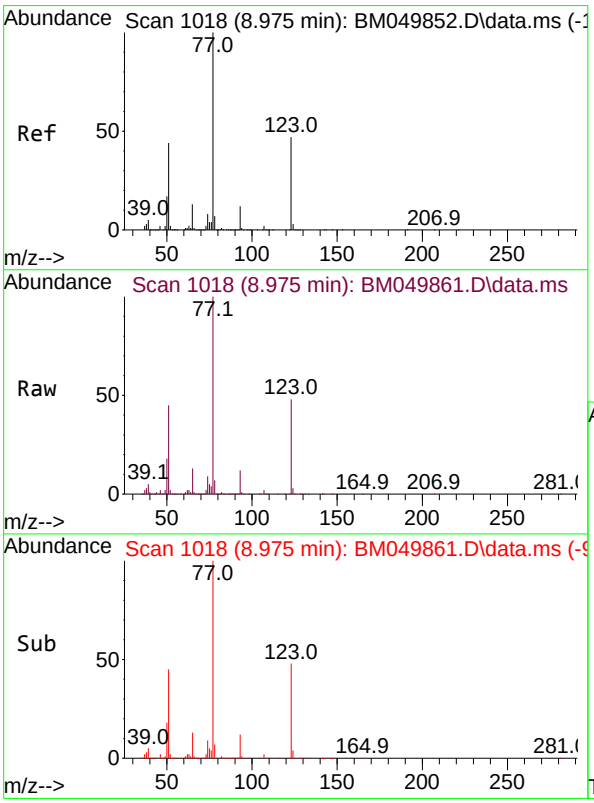
#23
Nitrobenzene-d5
Concen: 79.479 ng
RT: 8.933 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion: 82 Resp: 1673050

Ion	Ratio	Lower	Upper
82	100		
128	45.6	36.2	54.2
54	43.6	35.0	52.6

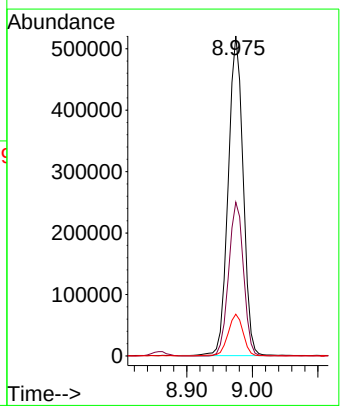


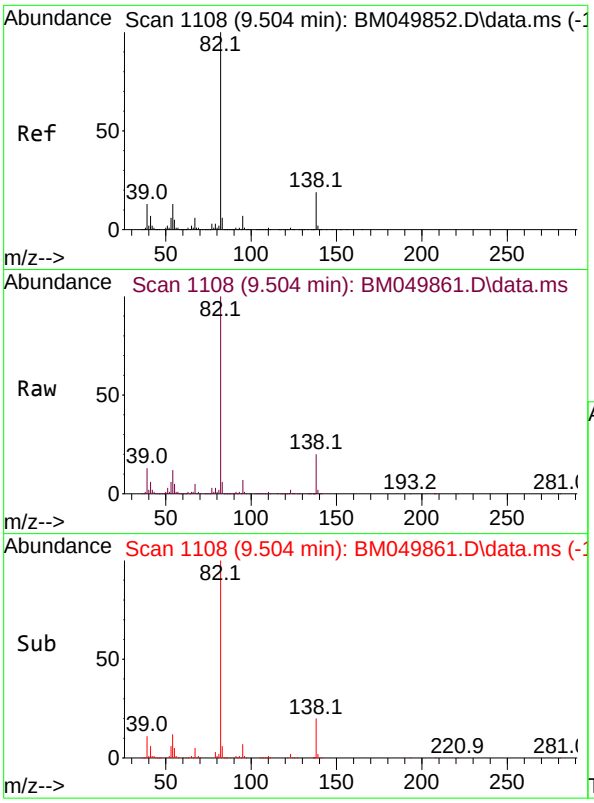


#24
Nitrobenzene
Concen: 40.552 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion: 77 Resp: 821968

Ion	Ratio	Lower	Upper
77	100		
123	48.0	37.4	56.2
65	13.1	10.1	15.1



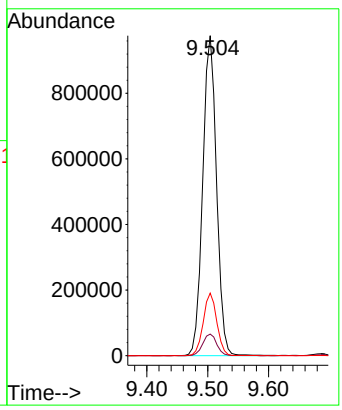


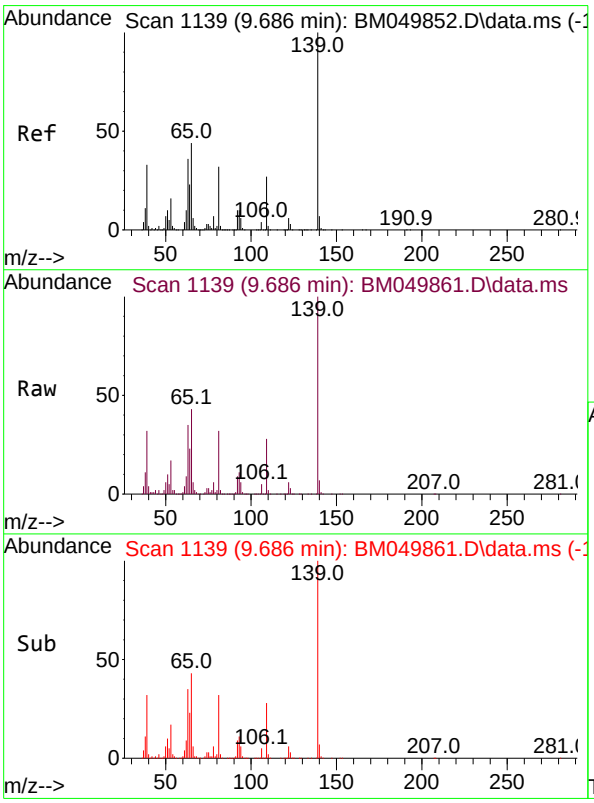
#25
Isophorone
Concen: 43.579 ng
RT: 9.504 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion: 82 Resp: 1536740

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.4	8.2
138	19.5	15.0	22.6

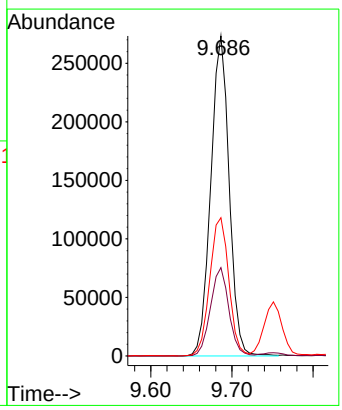


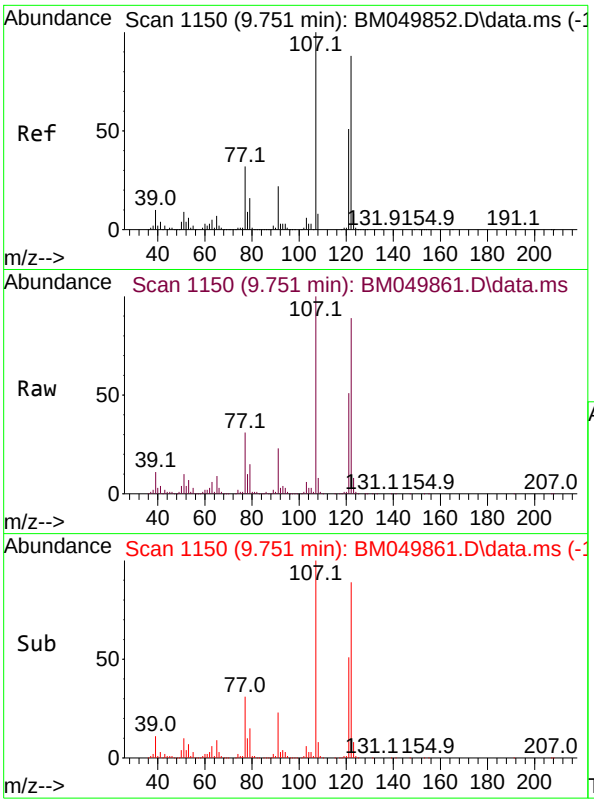


#26
2-Nitrophenol
Concen: 40.040 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:139 Resp: 430155

Ion	Ratio	Lower	Upper
139	100		
109	27.6	21.7	32.5
65	43.2	35.2	52.8



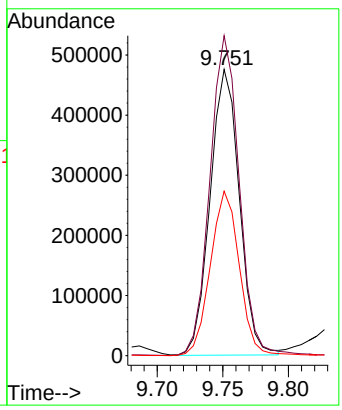


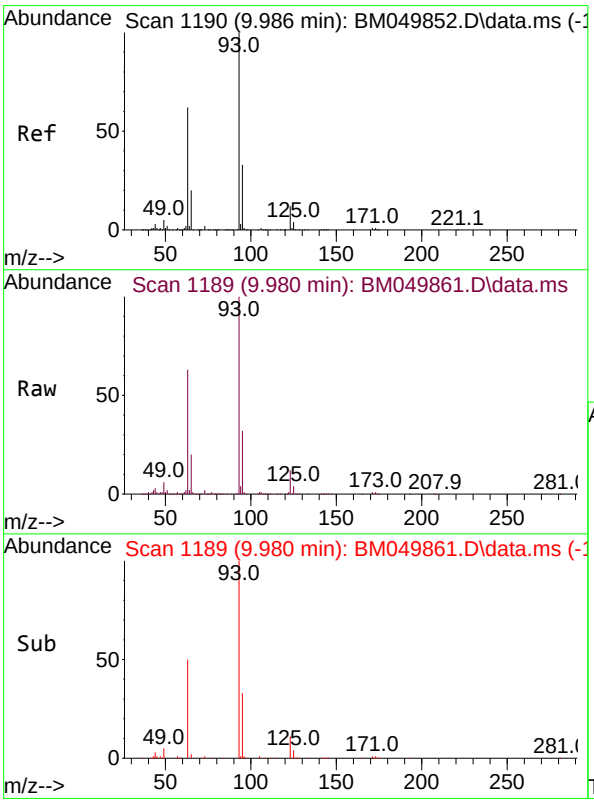
#27
2,4-Dimethylphenol
Concen: 60.621 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:122 Resp: 738065

Ion	Ratio	Lower	Upper
122	100		
107	111.8	90.3	135.5
121	57.5	46.1	69.1

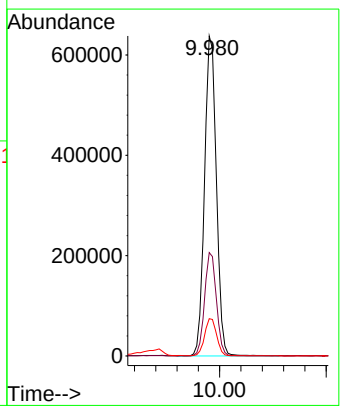


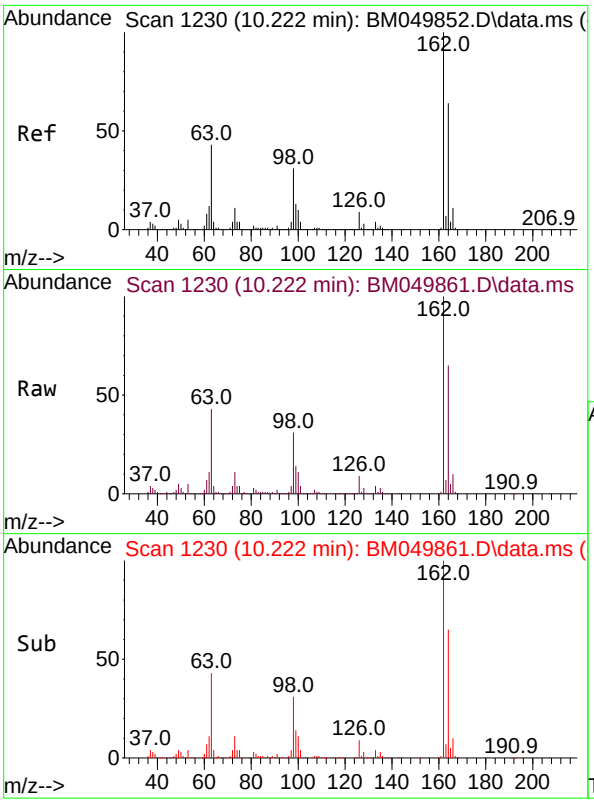


#28
bis(2-Chloroethoxy)methane
Concen: 41.574 ng
RT: 9.980 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion: 93 Resp: 981482

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.6	40.0
123	11.7	9.5	14.3



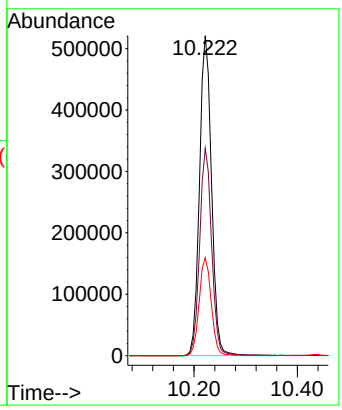


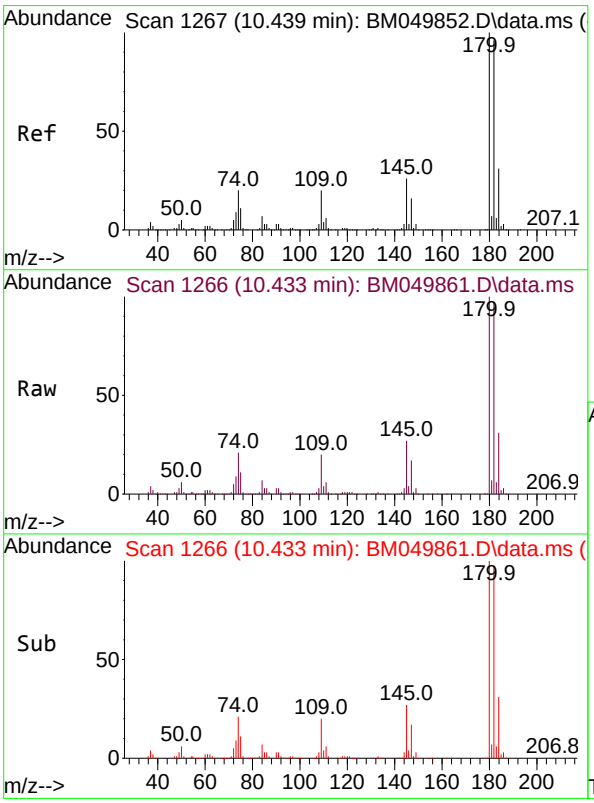
#29
2,4-Dichlorophenol
Concen: 41.653 ng
RT: 10.222 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:162 Resp: 842978

Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.3	84.3
98	30.6	10.9	50.9

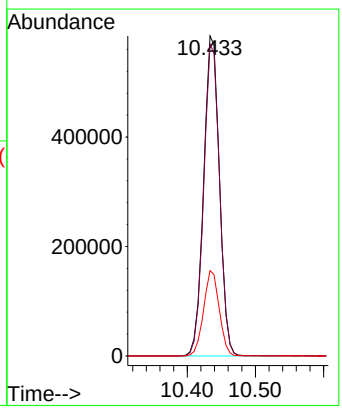


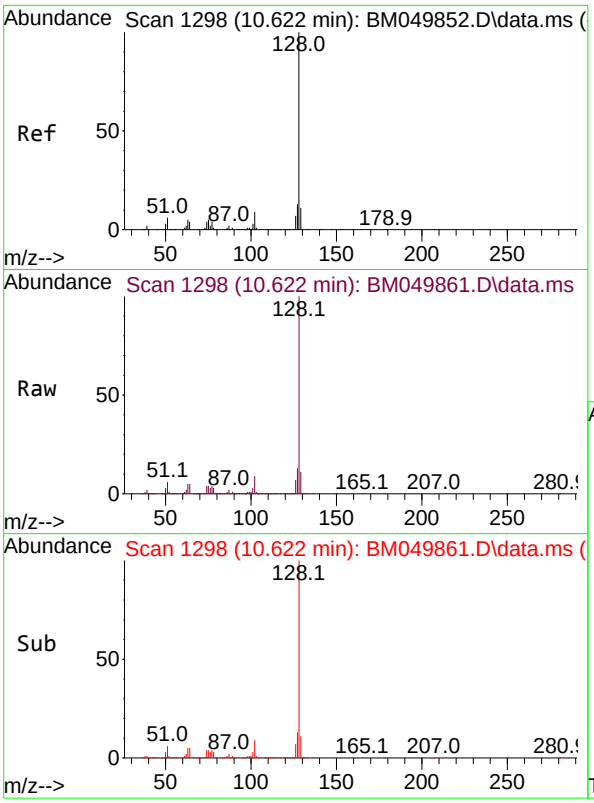


#30
1,2,4-Trichlorobenzene
Concen: 40.289 ng
RT: 10.433 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:180 Resp: 943265

Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.7	115.1
145	26.7	20.8	31.2



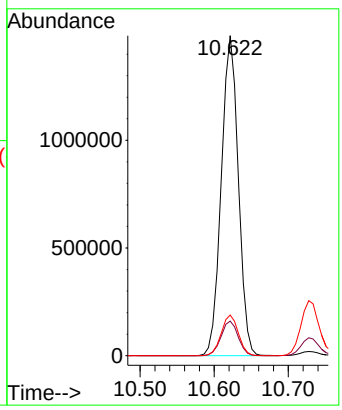


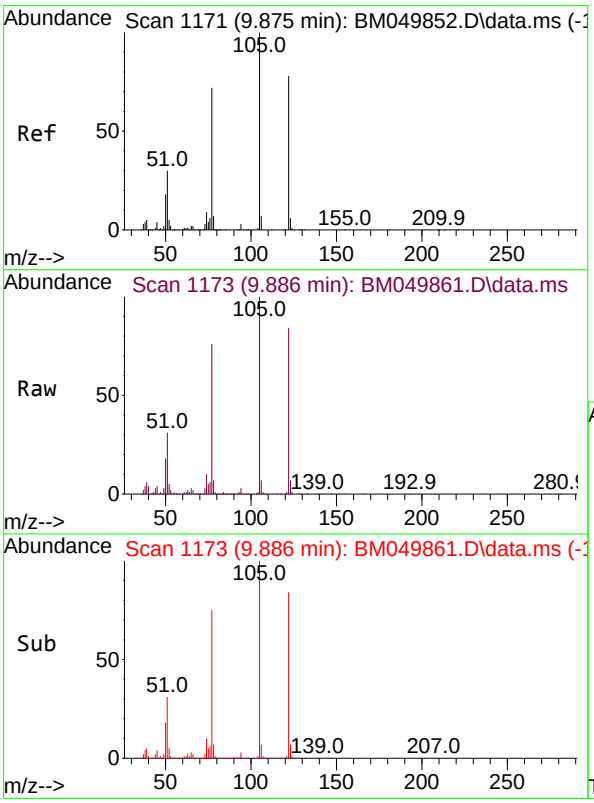
#31
Naphthalene
Concen: 39.367 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:128 Resp: 2371128

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	12.7	10.6	15.8

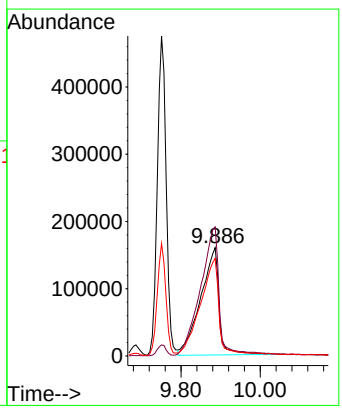


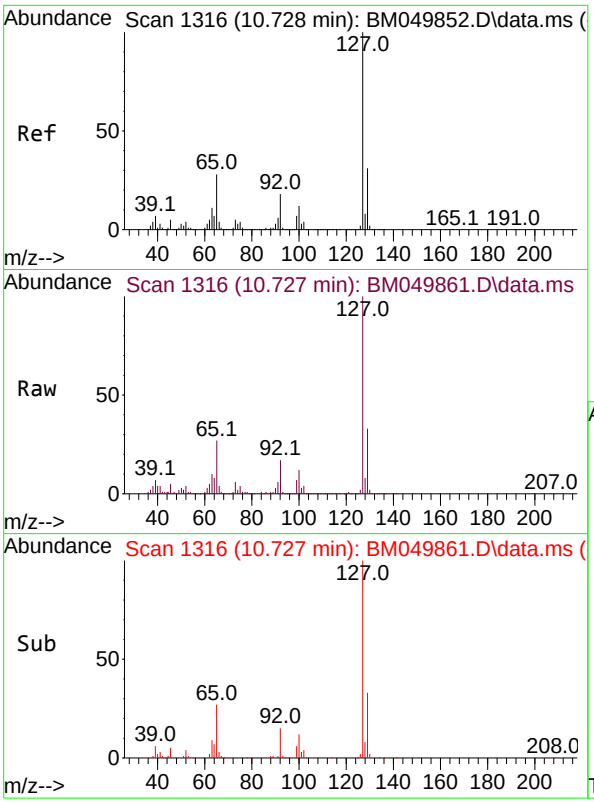


#32
Benzoic acid
Concen: 36.856 ng
RT: 9.886 min Scan# 1173
Delta R.T. 0.011 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:122 Resp: 519818

Ion	Ratio	Lower	Upper
122	100		
105	119.2	103.8	143.8
77	90.2	70.7	110.7



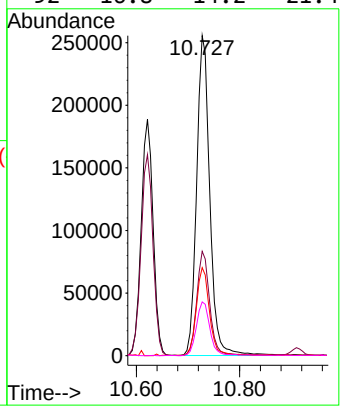


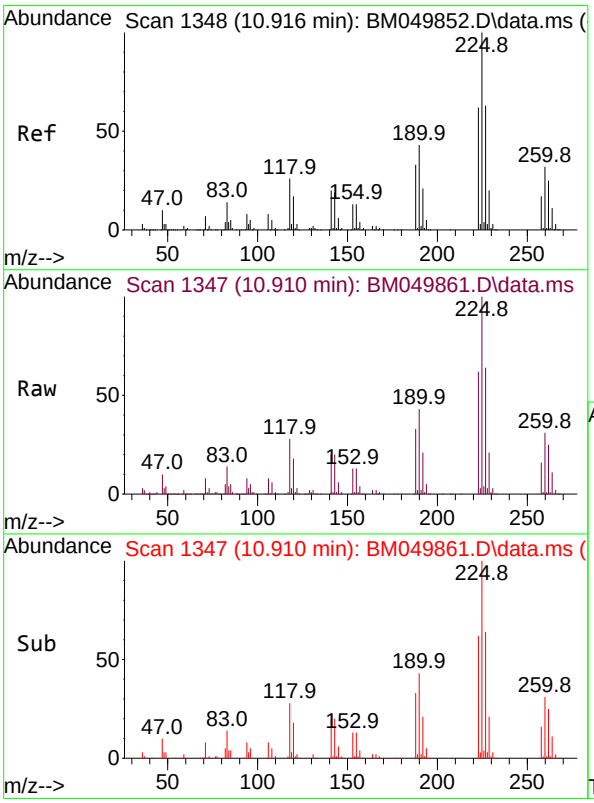
#33
4-Chloroaniline
Concen: 21.212 ng
RT: 10.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:127 Resp: 451143

Ion	Ratio	Lower	Upper
127	100		
129	32.6	24.9	37.3
65	27.5	22.4	33.6
92	16.8	14.2	21.4

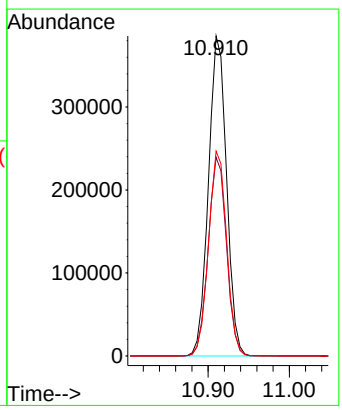


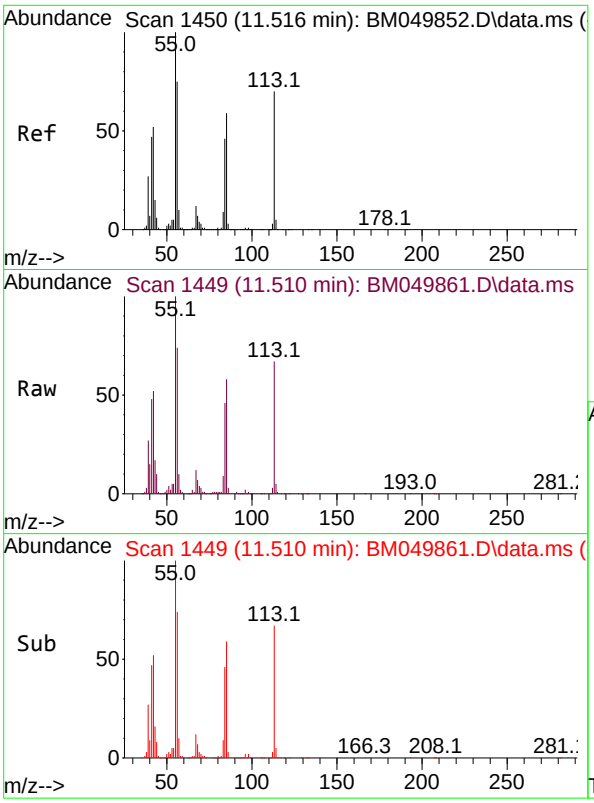


#34
Hexachlorobutadiene
Concen: 41.155 ng
RT: 10.910 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:225 Resp: 596021

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.4	74.2
227	64.0	50.1	75.1



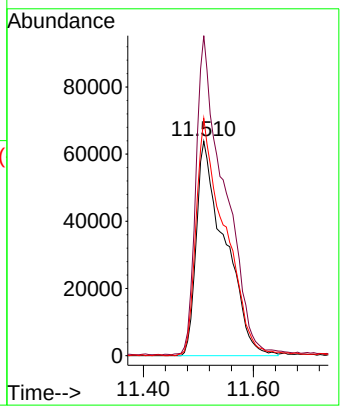


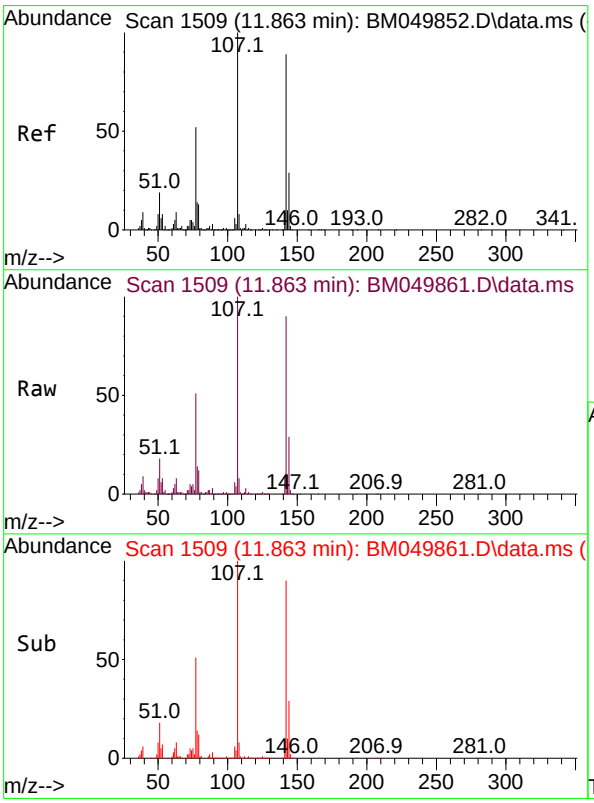
#35
Caprolactam
Concen: 39.485 ng
RT: 11.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:113 Resp: 229193

Ion	Ratio	Lower	Upper
113	100		
55	149.2	124.3	164.3
56	110.6	87.5	127.5

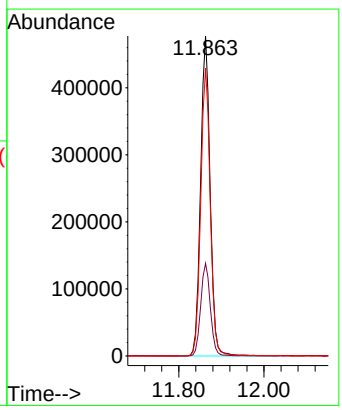


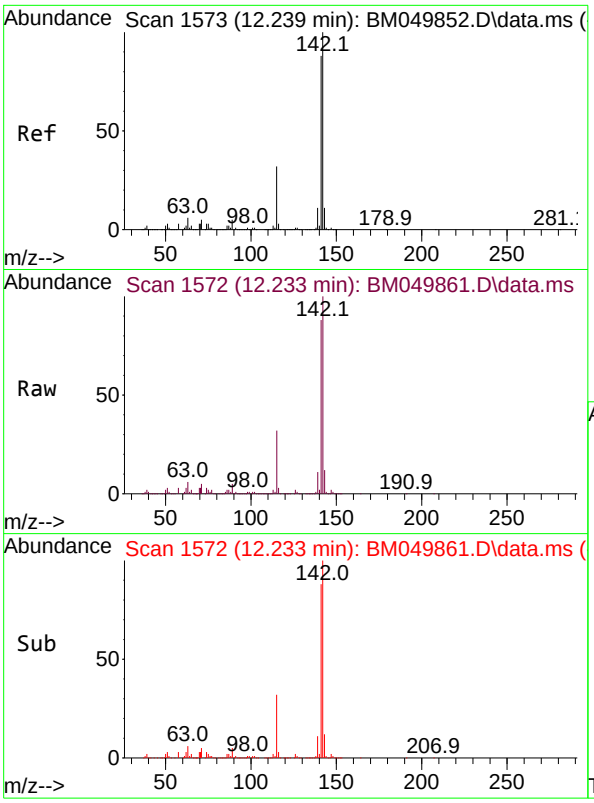


#36
4-Chloro-3-methylphenol
Concen: 41.849 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:107 Resp: 741890

Ion	Ratio	Lower	Upper
107	100		
144	28.9	23.6	35.4
142	89.9	71.4	107.0



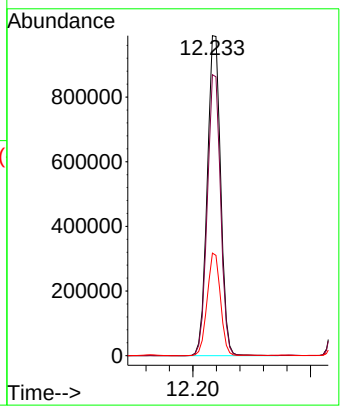


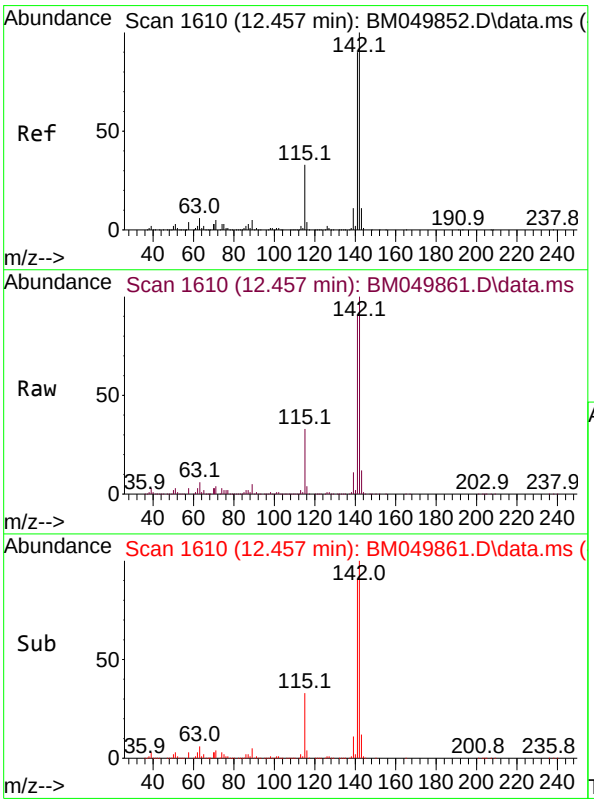
#37
2-Methylnaphthalene
Concen: 36.805 ng
RT: 12.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:142 Resp: 1561901

Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.2	105.2
115	32.1	25.4	38.2

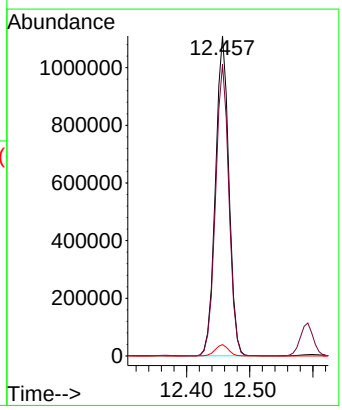


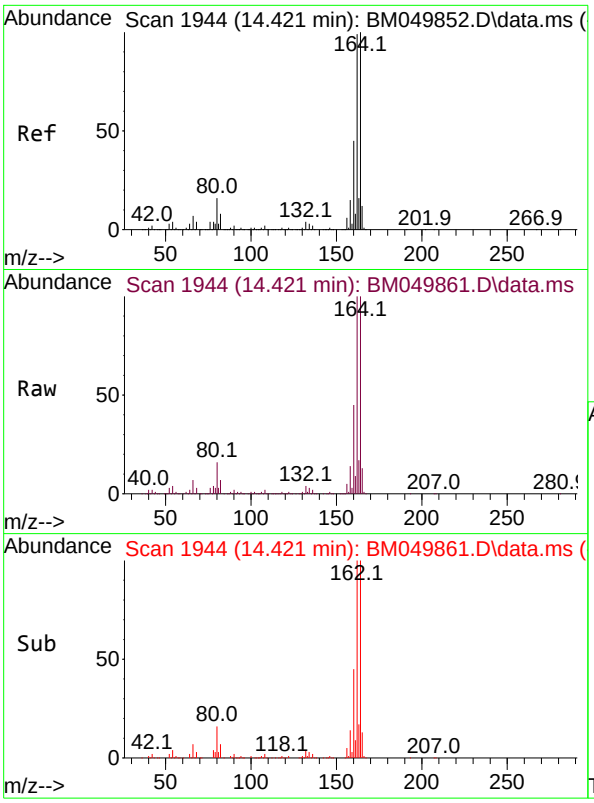


#38
1-Methylnaphthalene
Concen: 39.635 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:142 Resp: 1638645

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.2	108.2
116	3.6	2.9	4.3



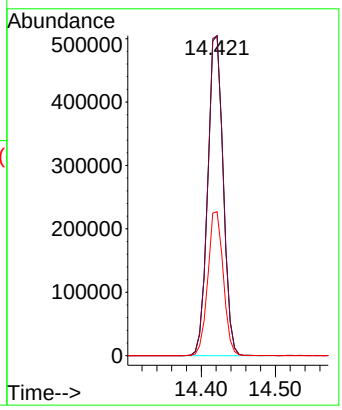


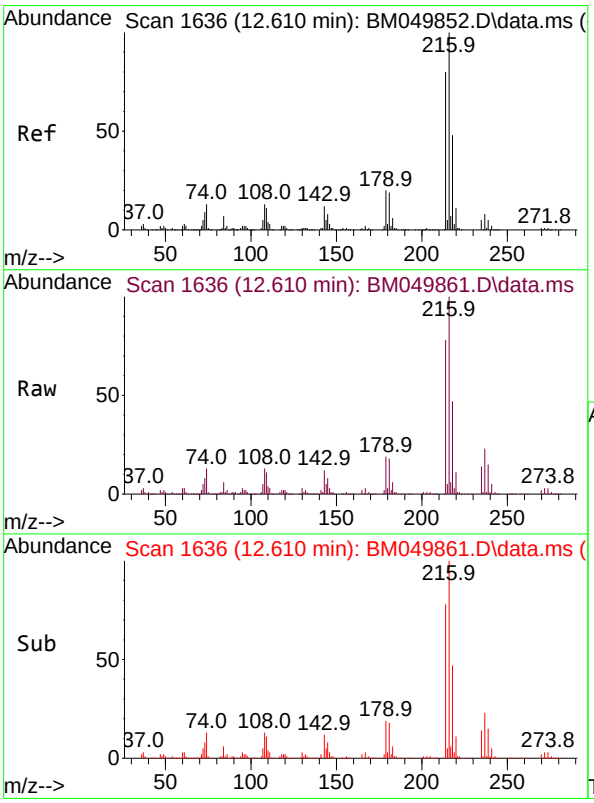
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.421 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:164 Resp: 730256

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.4	119.0
160	45.0	36.2	54.2

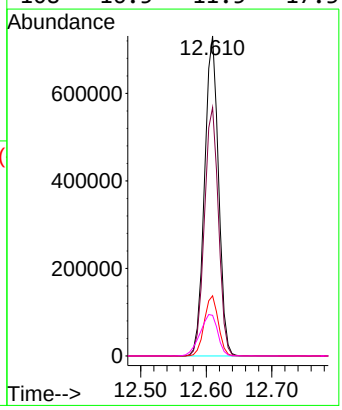


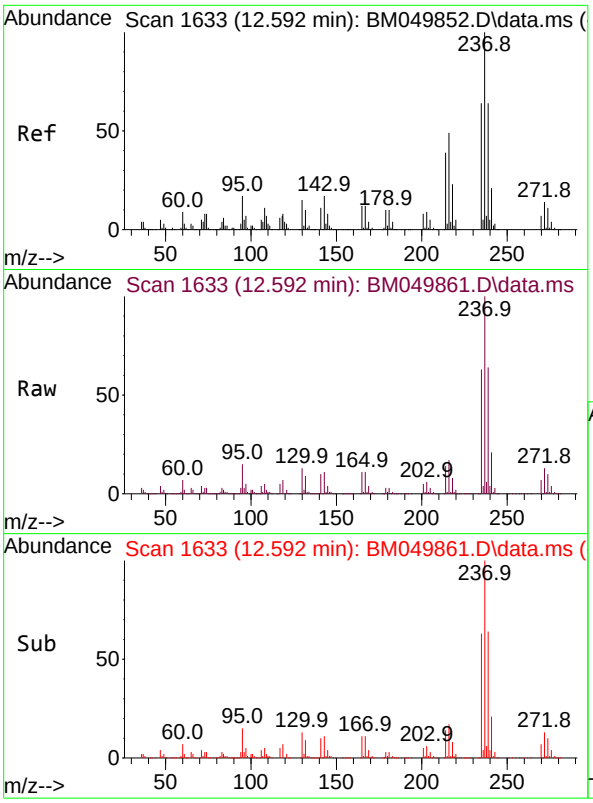


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.381 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:216 Resp: 1082730

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.2	94.8
179	19.0	15.8	23.6
108	16.5	11.5	17.3



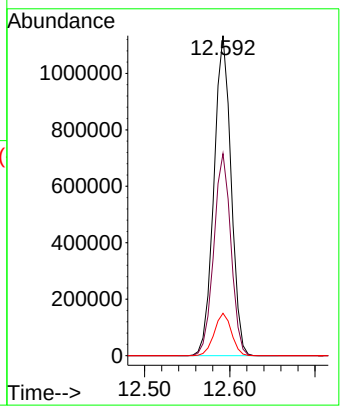


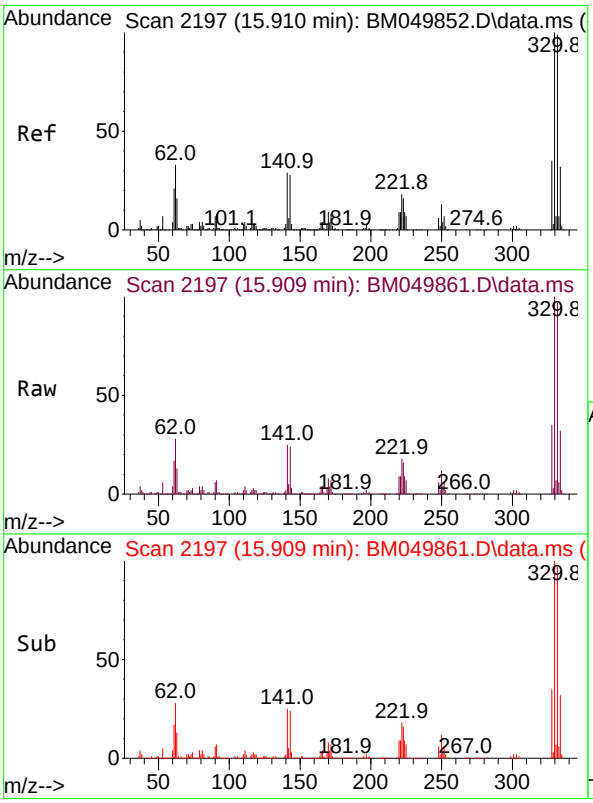
#41
Hexachlorocyclopentadiene
Concen: 176.945 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:237 Resp: 1584026

Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.7	83.7
272	13.2	0.0	33.5

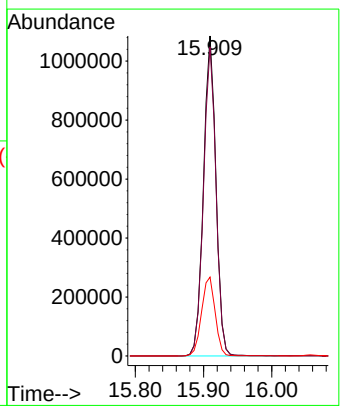


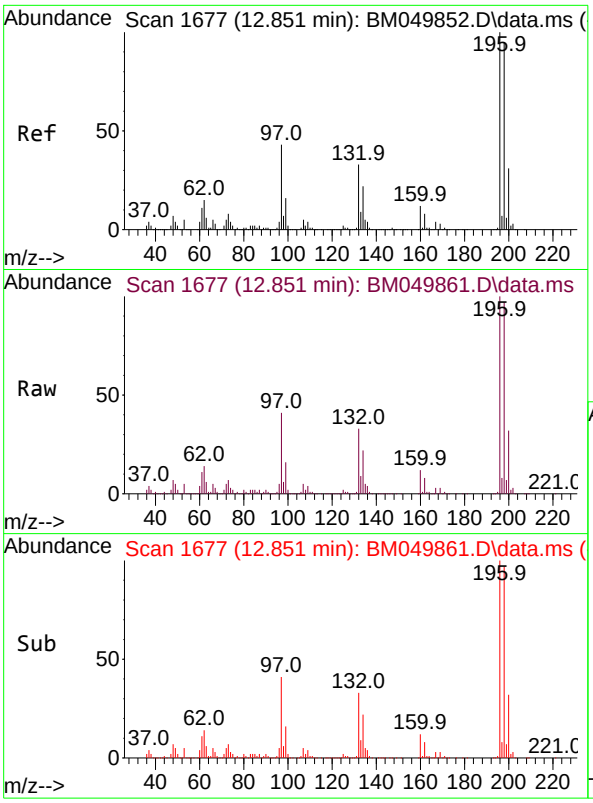


#42
2,4,6-Tribromophenol
Concen: 129.939 ng
RT: 15.909 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:330 Resp: 1380194

Ion	Ratio	Lower	Upper
330	100		
332	96.9	78.0	117.0
141	26.9	23.5	35.3



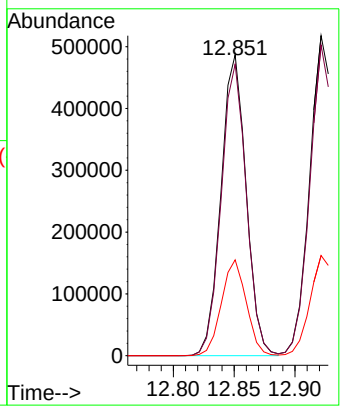


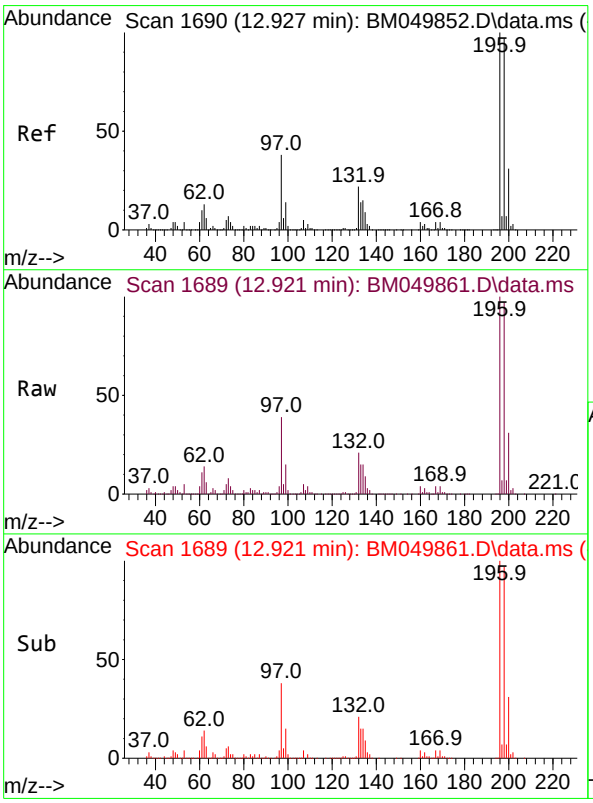
#43
2,4,6-Trichlorophenol
Concen: 43.130 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:196 Resp: 701162

Ion	Ratio	Lower	Upper
196	100		
198	96.8	76.1	114.1
200	31.8	24.7	37.1

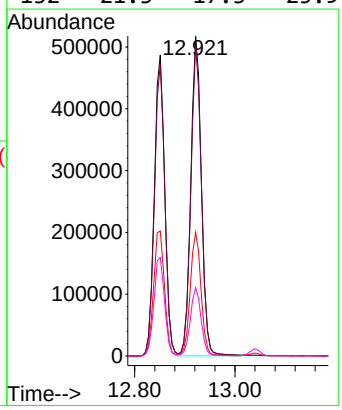


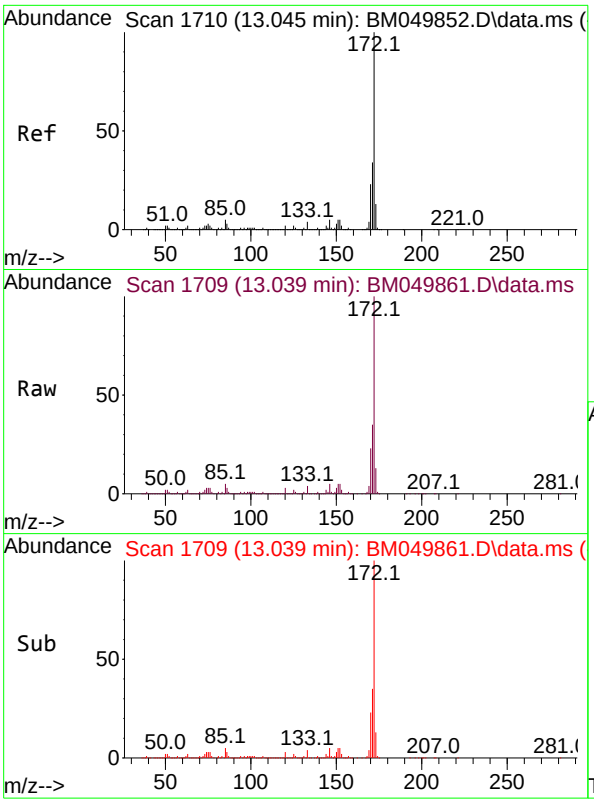


#44
2,4,5-Trichlorophenol
Concen: 43.169 ng
RT: 12.921 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:196 Resp: 762647

Ion	Ratio	Lower	Upper
196	100		
198	97.0	77.7	116.5
97	38.7	30.3	45.5
132	21.3	17.3	25.9



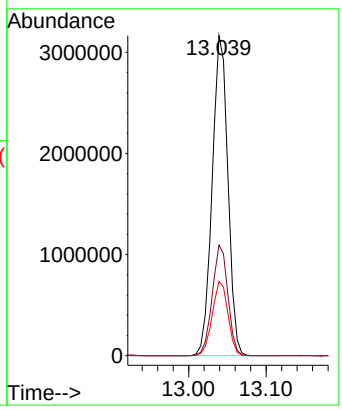


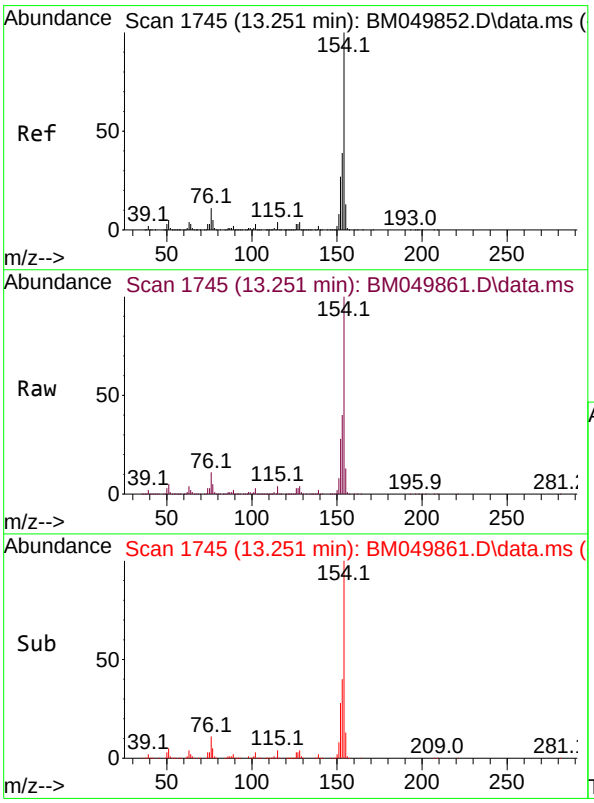
#45
2-Fluorobiphenyl
Concen: 82.577 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:172 Resp: 4447030

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.4	41.2
170	23.2	18.6	28.0

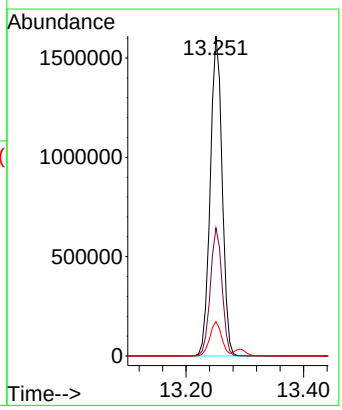


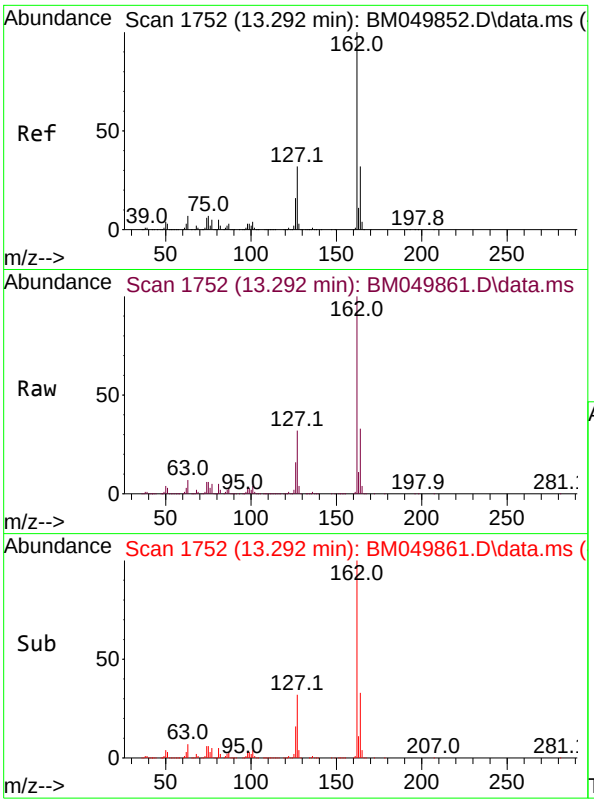


#46
1,1'-Biphenyl
Concen: 41.600 ng
RT: 13.251 min Scan# 1745
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:154 Resp: 2258251

Ion	Ratio	Lower	Upper
154	100		
153	40.0	19.3	59.3
76	10.7	0.0	30.7



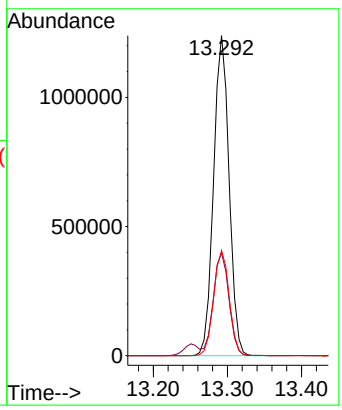


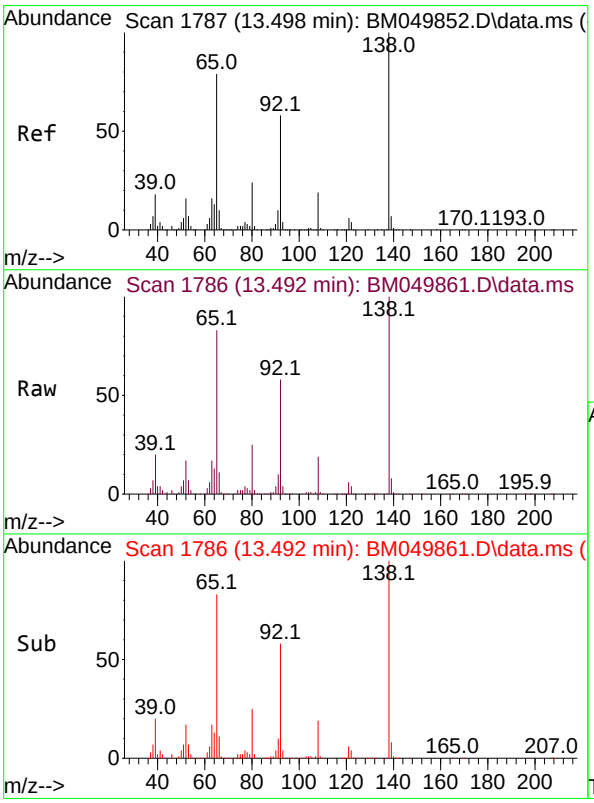
#47
2-Chloronaphthalene
Concen: 42.179 ng
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:162 Resp: 1799659

Ion	Ratio	Lower	Upper
162	100		
127	32.1	26.0	39.0
164	32.9	25.9	38.9

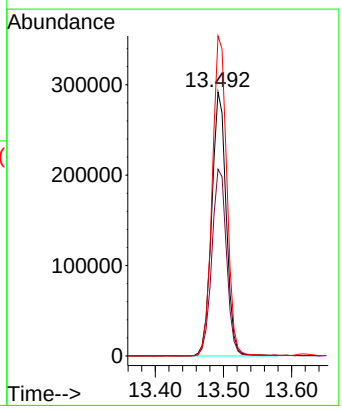


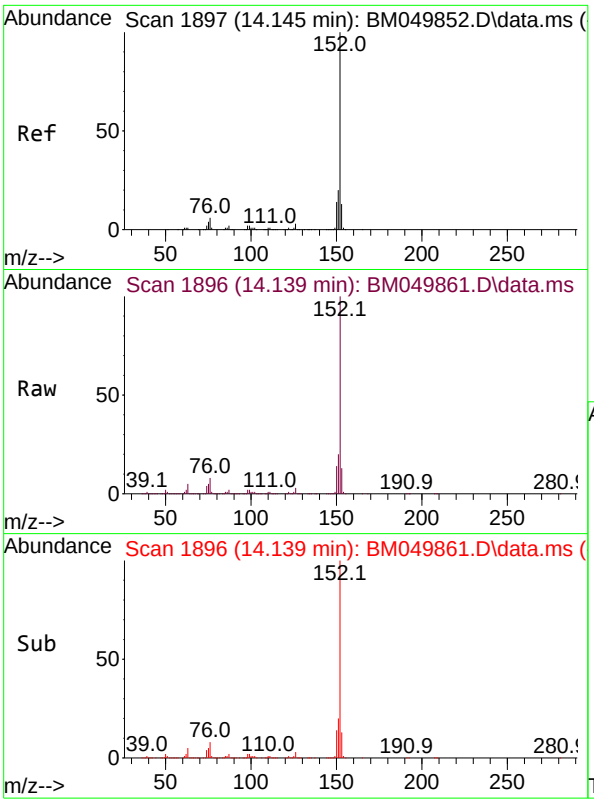


#48
2-Nitroaniline
Concen: 43.764 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion: 65 Resp: 431984

Ion	Ratio	Lower	Upper
65	100		
92	70.7	58.4	87.6
138	121.2	100.8	151.2



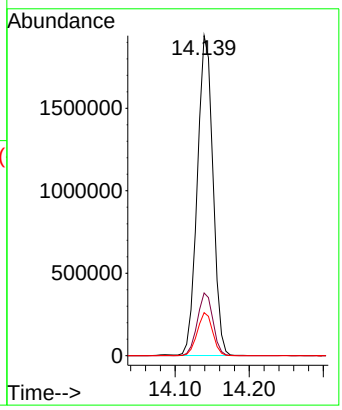


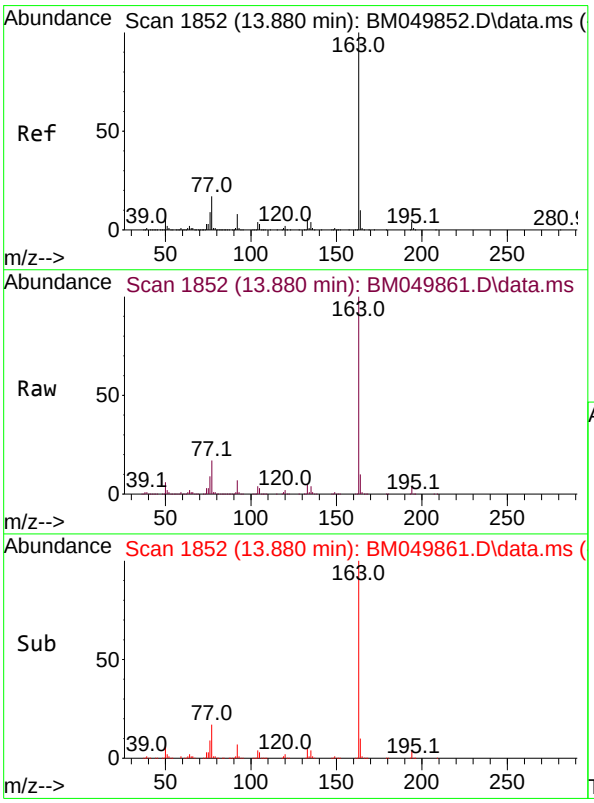
#49
Acenaphthylene
Concen: 45.664 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:152 Resp: 2838072

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.4	10.4	15.6

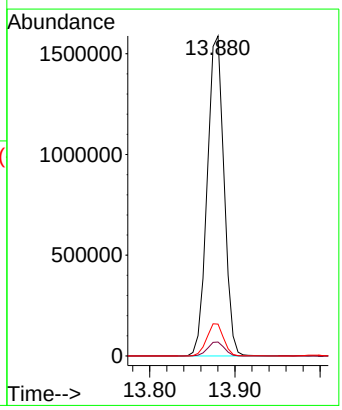


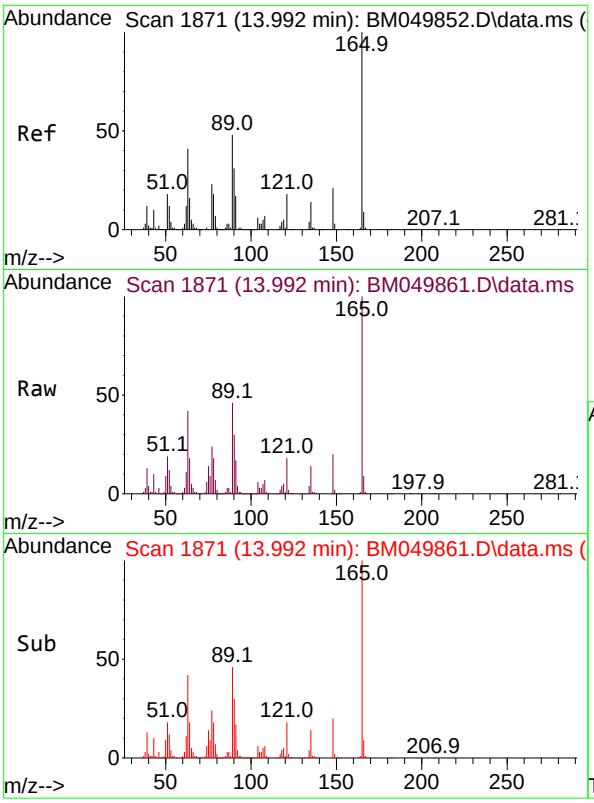


#50
Dimethylphthalate
Concen: 42.064 ng
RT: 13.880 min Scan# 1852
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:163 Resp: 2167102

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	9.9	7.9	11.9



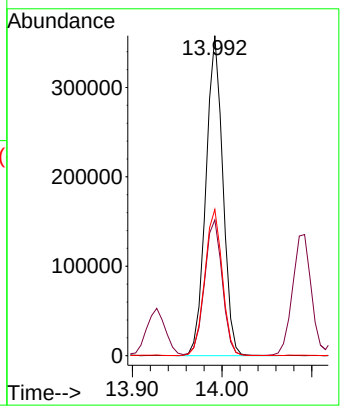


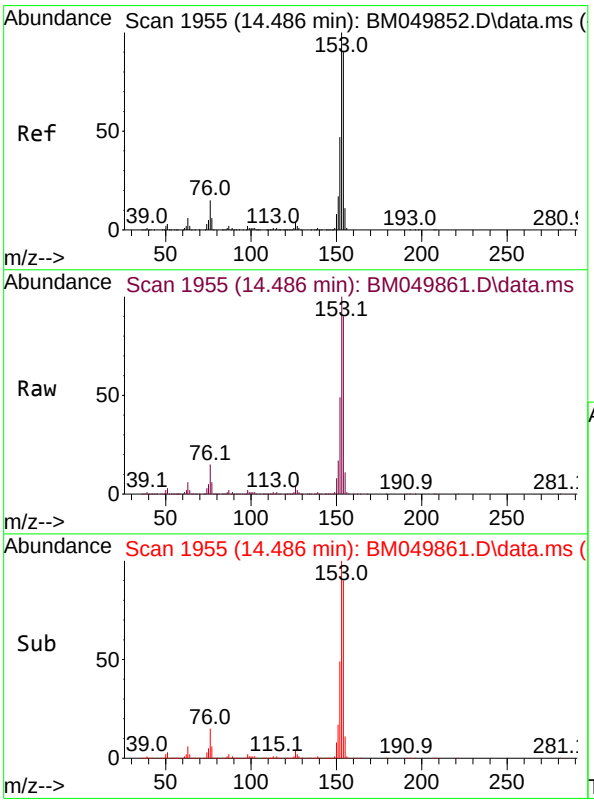
#51
2,6-Dinitrotoluene
Concen: 43.415 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:165 Resp: 468618

Ion	Ratio	Lower	Upper
165	100		
63	42.5	36.1	54.1
89	45.7	38.3	57.5

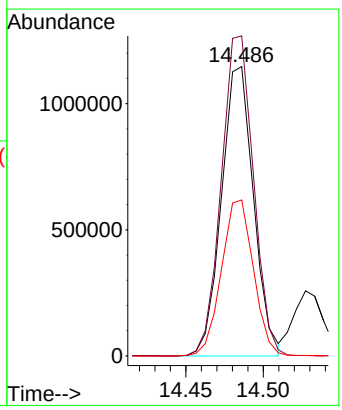


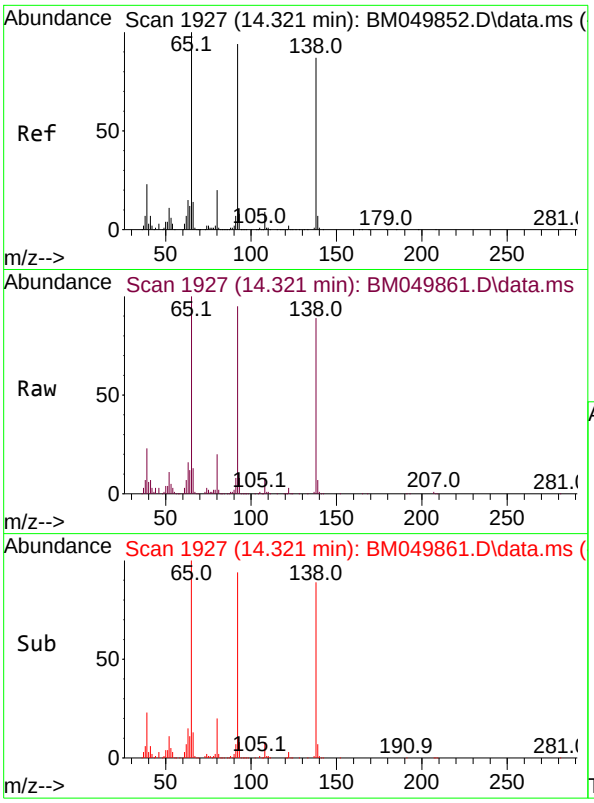


#52
Acenaphthene
Concen: 41.742 ng
RT: 14.486 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:154 Resp: 1650214

Ion	Ratio	Lower	Upper
154	100		
153	110.6	89.3	133.9
152	53.9	42.2	63.2



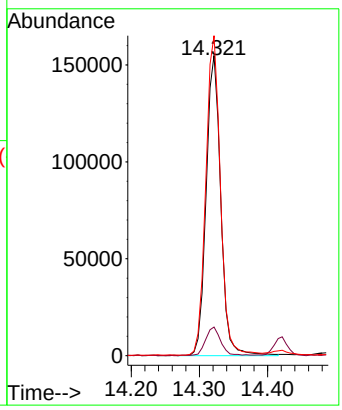


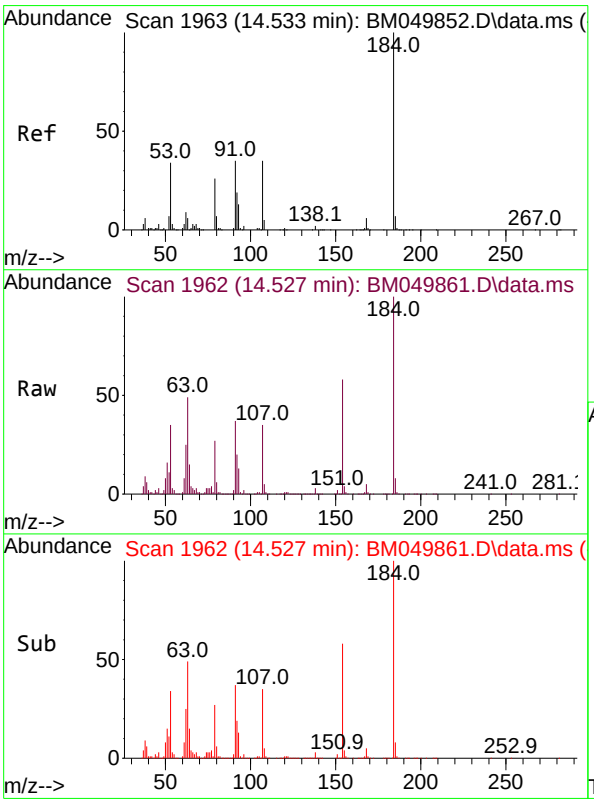
#53
3-Nitroaniline
Concen: 22.180 ng
RT: 14.321 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:138 Resp: 231391

Ion	Ratio	Lower	Upper
138	100		
108	9.6	8.1	12.1
92	106.5	86.5	129.7

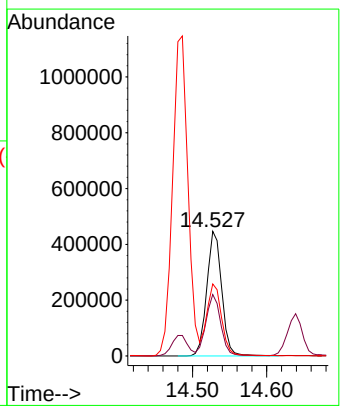


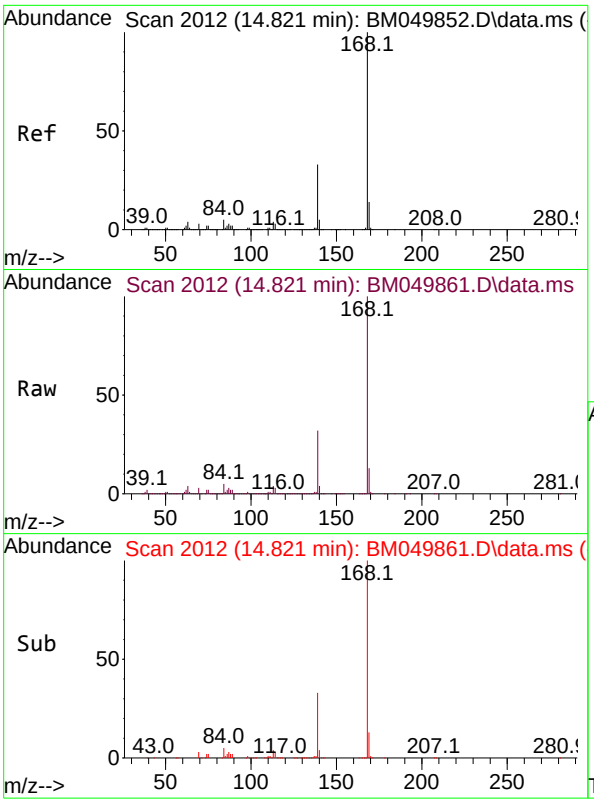


#54
2,4-Dinitrophenol
Concen: 80.241 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:184 Resp: 627402

Ion	Ratio	Lower	Upper
184	100		
63	49.3	38.4	57.6
154	57.7	48.1	72.1



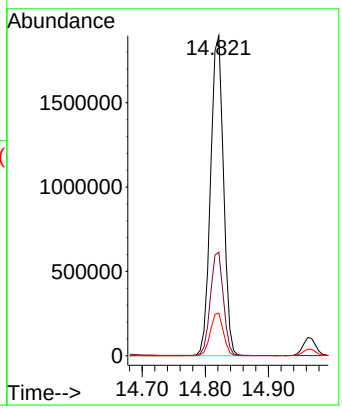


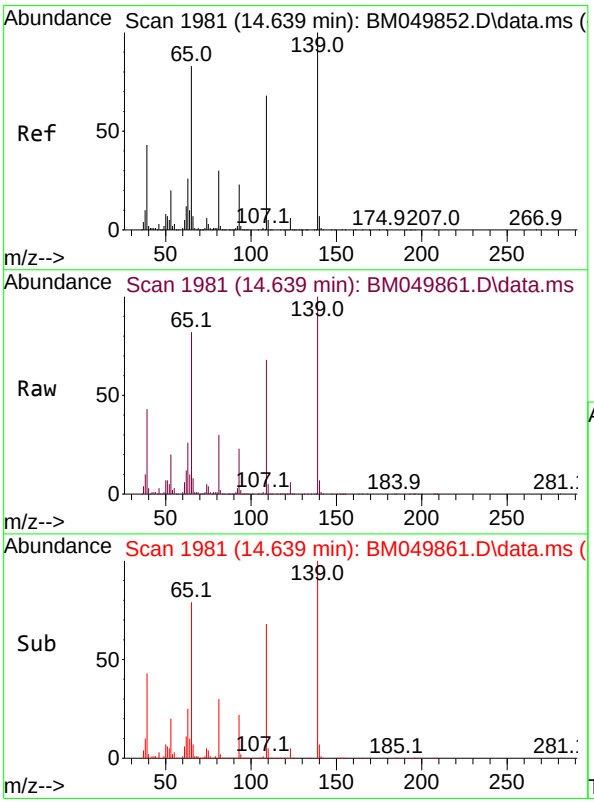
#55
Dibenzofuran
Concen: 40.674 ng
RT: 14.821 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:168 Resp: 2688052

Ion	Ratio	Lower	Upper
168	100		
139	32.4	26.6	39.8
169	13.3	11.0	16.4

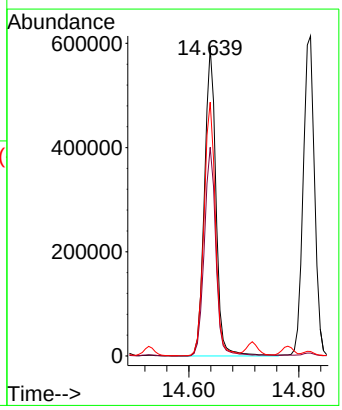


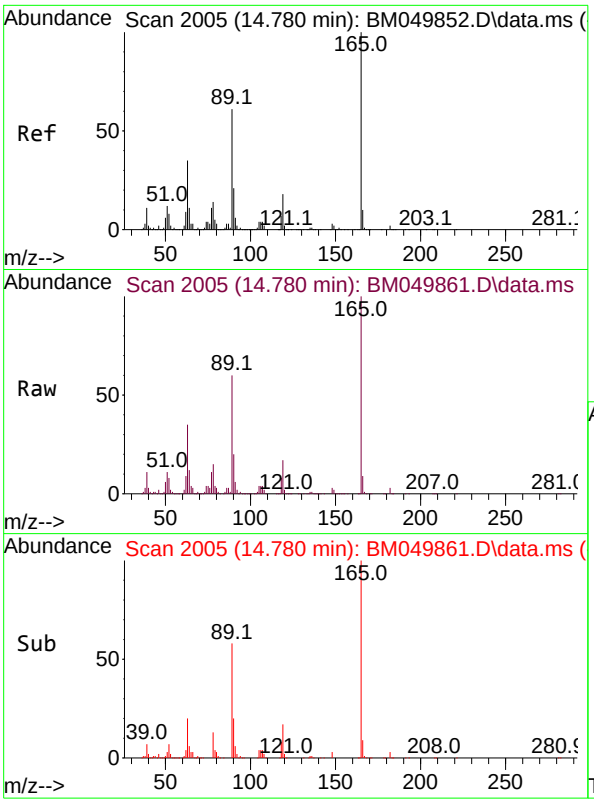


#56
4-Nitrophenol
Concen: 92.427 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:139 Resp: 859247

Ion	Ratio	Lower	Upper
139	100		
109	67.7	47.9	87.9
65	82.3	62.7	102.7



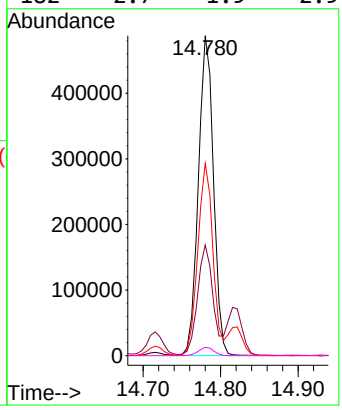


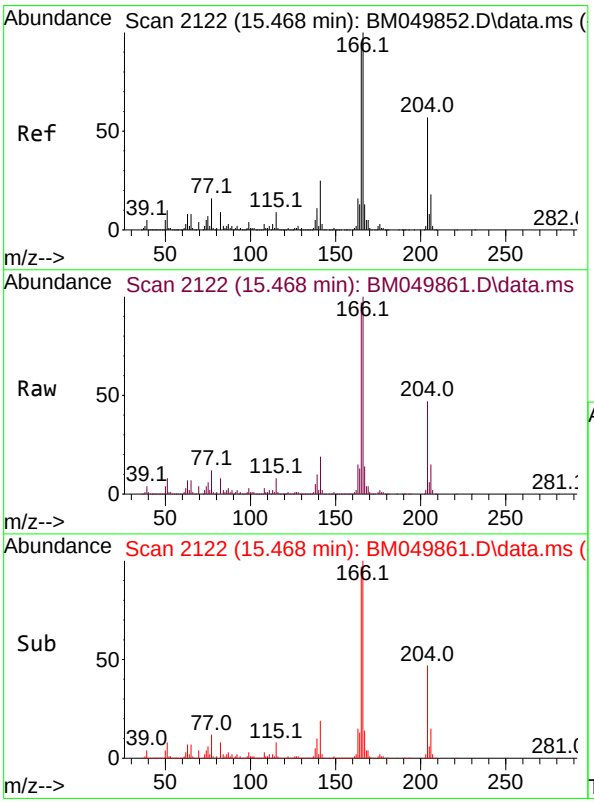
#57
2,4-Dinitrotoluene
Concen: 45.806 ng
RT: 14.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:165 Resp: 659596

Ion	Ratio	Lower	Upper
165	100		
63	34.6	28.6	42.8
89	60.1	49.0	73.6
182	2.7	1.9	2.9

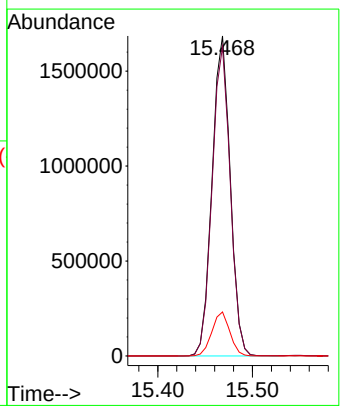


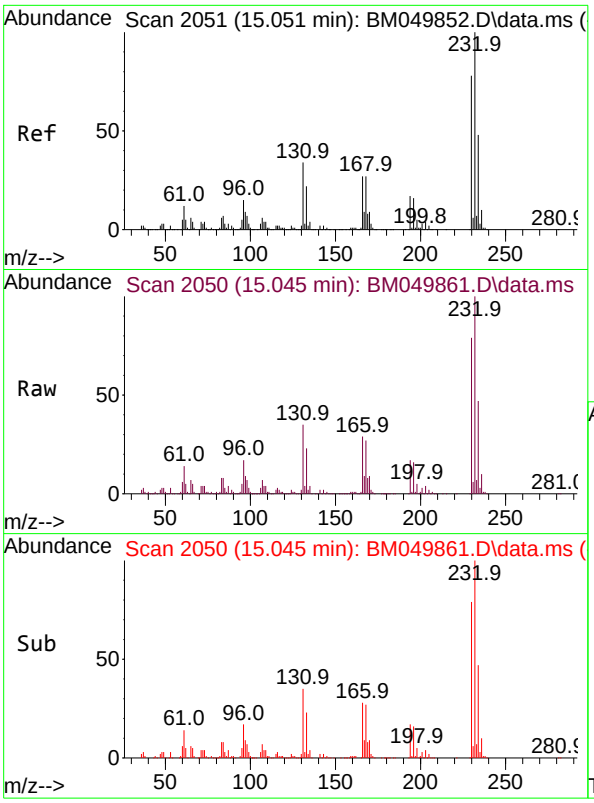


#58
Fluorene
Concen: 42.685 ng
RT: 15.468 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:166 Resp: 2242323

Ion	Ratio	Lower	Upper
166	100		
165	96.6	76.3	114.5
167	13.8	10.7	16.1



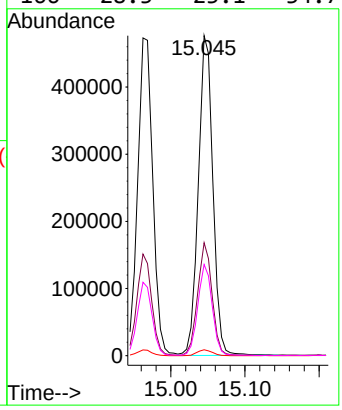


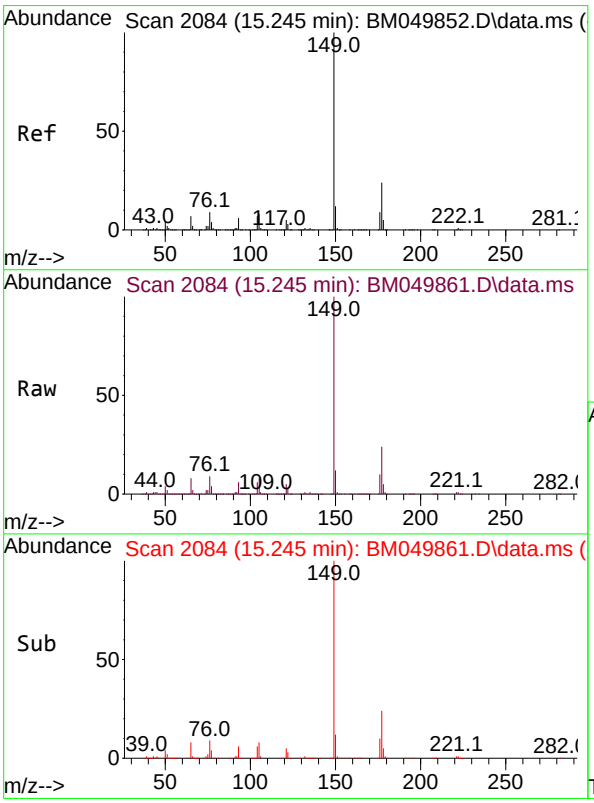
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.062 ng
RT: 15.045 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:232 Resp: 651304

Ion	Ratio	Lower	Upper
232	100		
131	34.9	28.4	42.6
130	1.9	1.6	2.4
166	28.3	23.1	34.7

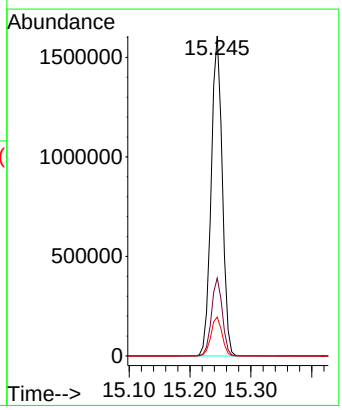


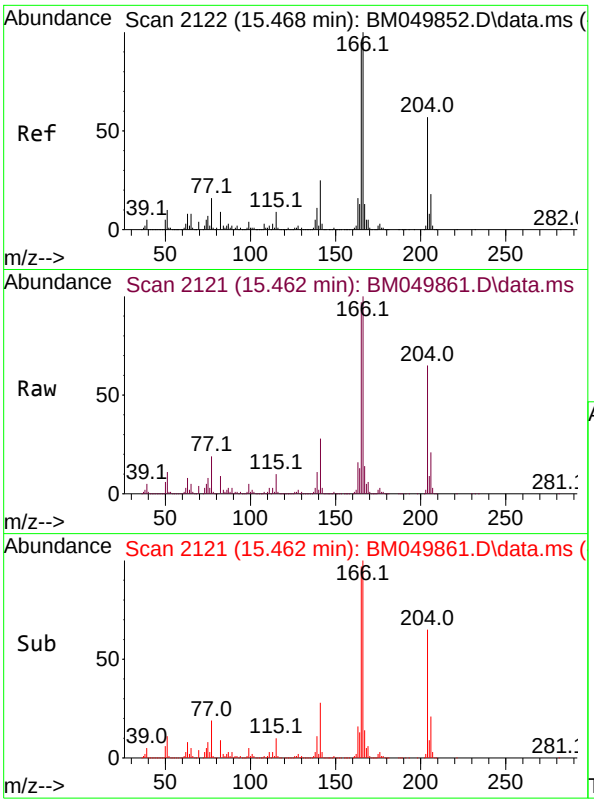


#60
Diethylphthalate
Concen: 41.151 ng
RT: 15.245 min Scan# 2084
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:149 Resp: 2033089

Ion	Ratio	Lower	Upper
149	100		
177	24.3	19.0	28.4
150	12.2	9.7	14.5



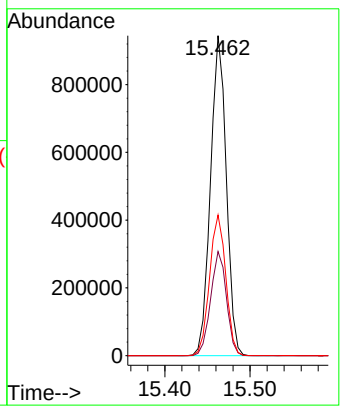


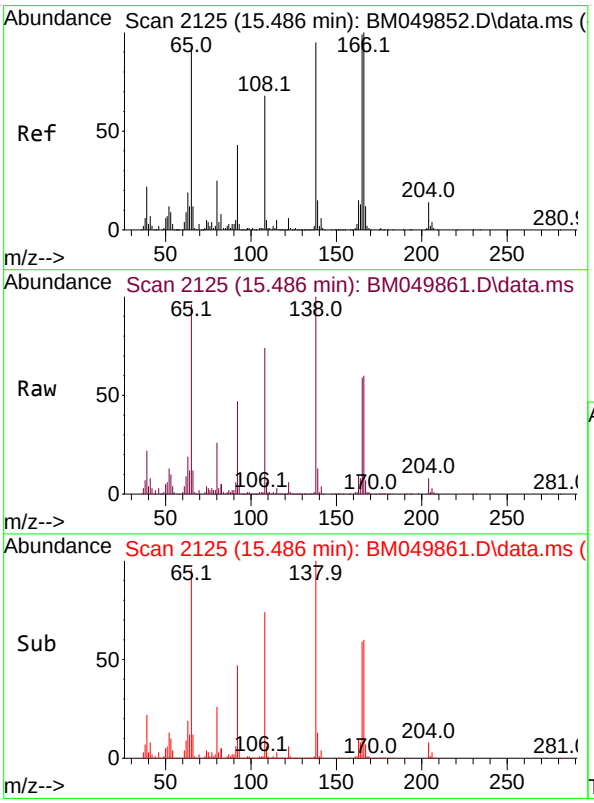
#61
4-Chlorophenyl-phenylether
Concen: 43.138 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:204 Resp: 1214951

Ion	Ratio	Lower	Upper
204	100		
206	32.6	26.2	39.2
141	43.9	35.0	52.6

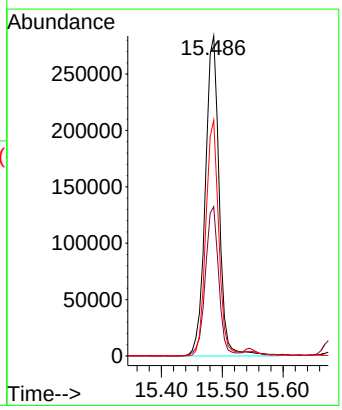


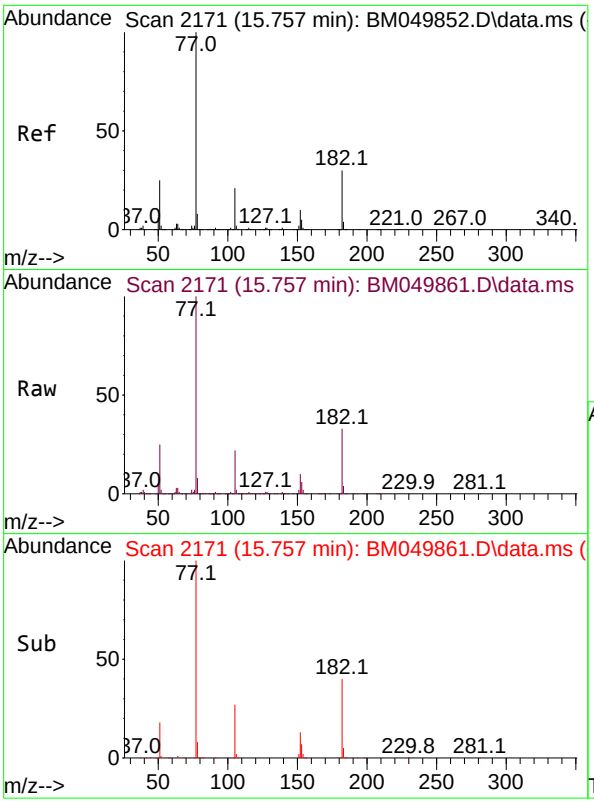


#62
4-Nitroaniline
Concen: 41.612 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:138 Resp: 448934

Ion	Ratio	Lower	Upper
138	100		
92	46.7	24.9	64.9
108	73.7	51.7	91.7



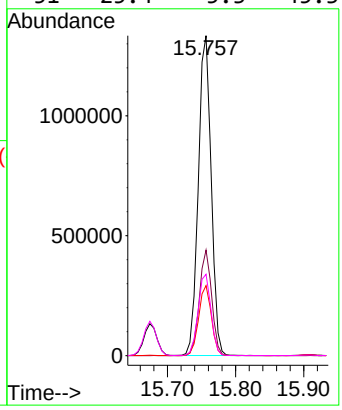


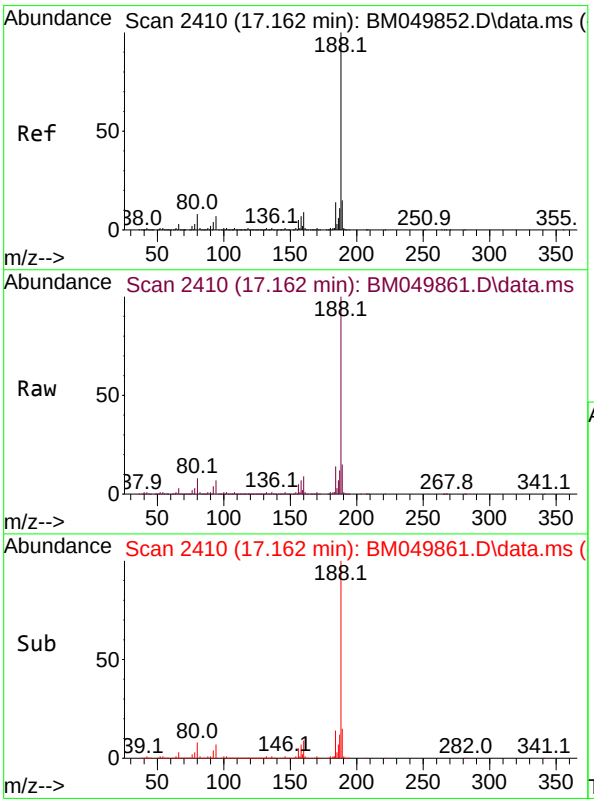
#63
Azobenzene
Concen: 41.341 ng
RT: 15.757 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion: 77 Resp: 1748674

Ion	Ratio	Lower	Upper
77	100		
182	33.0	10.4	50.4
105	21.9	1.5	41.5
51	25.4	5.3	45.3

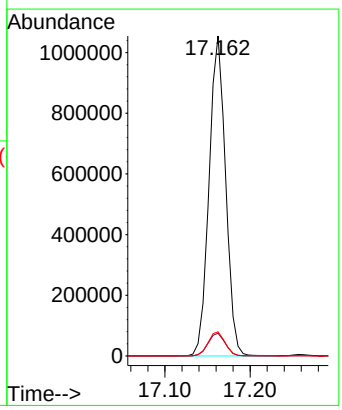


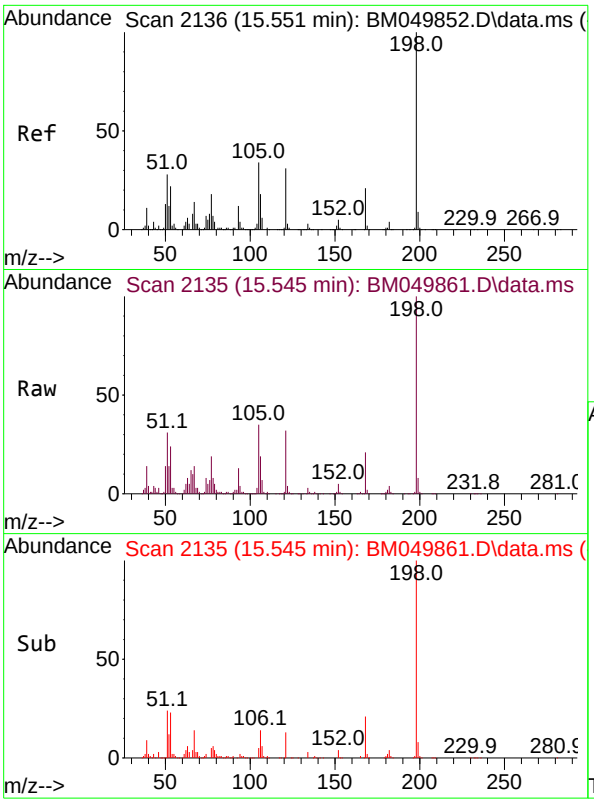


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:188 Resp: 1422911

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.8	8.6
80	7.6	6.4	9.6



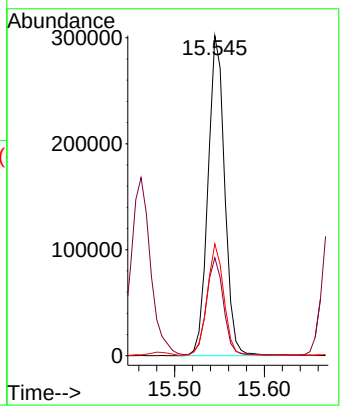


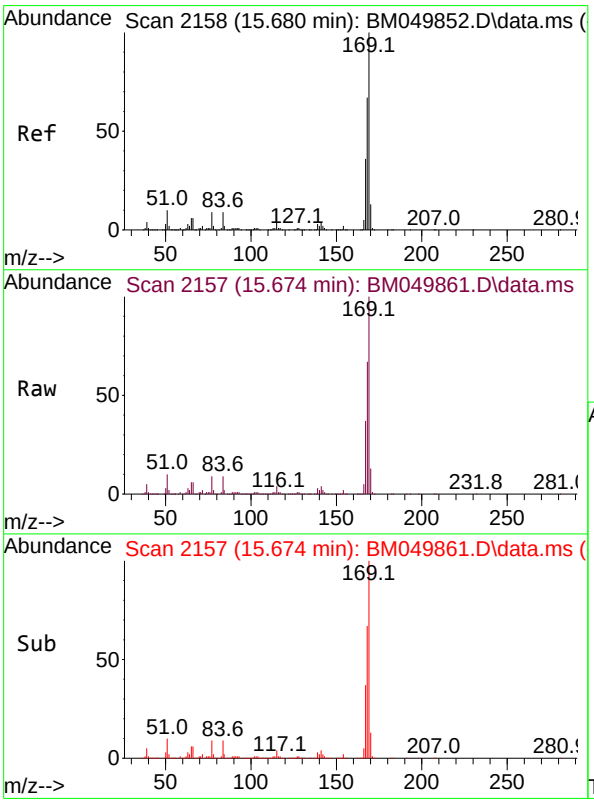
#65
4,6-Dinitro-2-methylphenol
Concen: 43.564 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:198 Resp: 390616

Ion	Ratio	Lower	Upper
198	100		
51	30.6	9.6	49.6
105	35.0	14.7	54.7

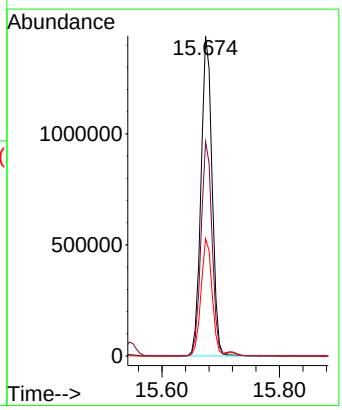


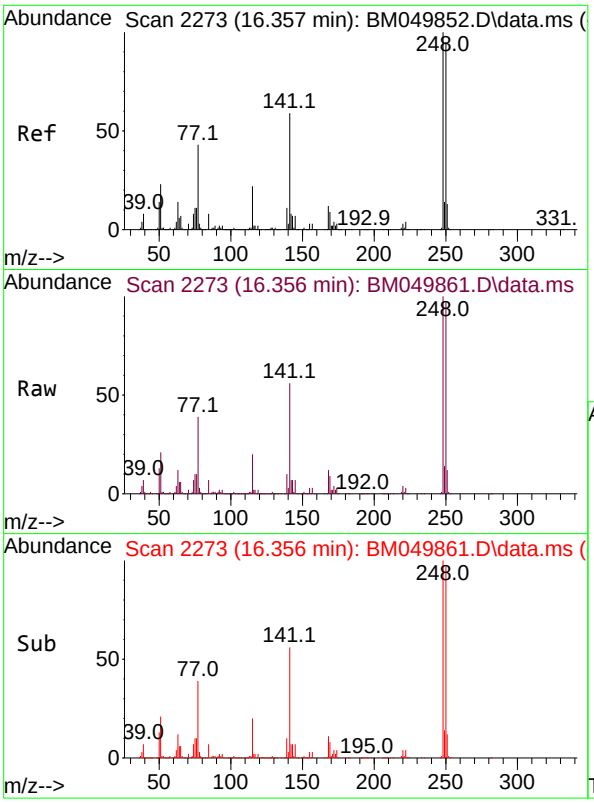


#66
n-Nitrosodiphenylamine
Concen: 44.346 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:169 Resp: 1888370

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.4	80.2
167	36.6	29.0	43.6



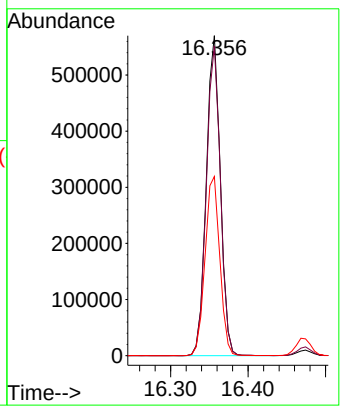


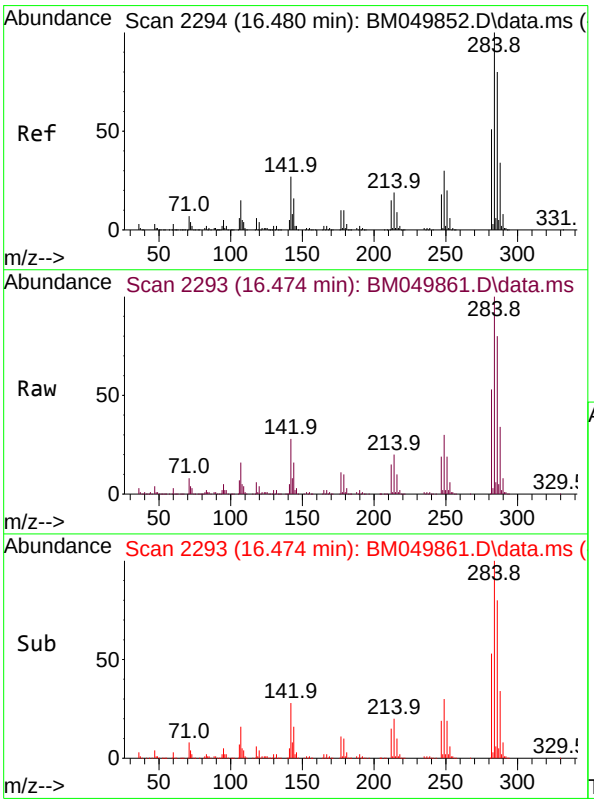
#67
4-Bromophenyl-phenylether
Concen: 43.398 ng
RT: 16.356 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:248 Resp: 716854

Ion	Ratio	Lower	Upper
248	100		
250	96.8	76.2	114.2
141	56.0	47.3	70.9

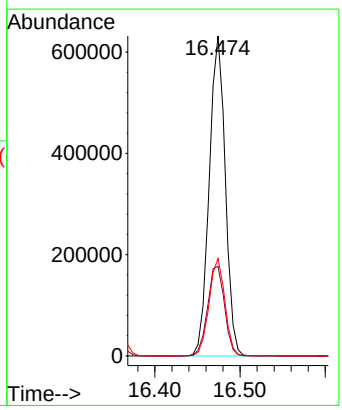


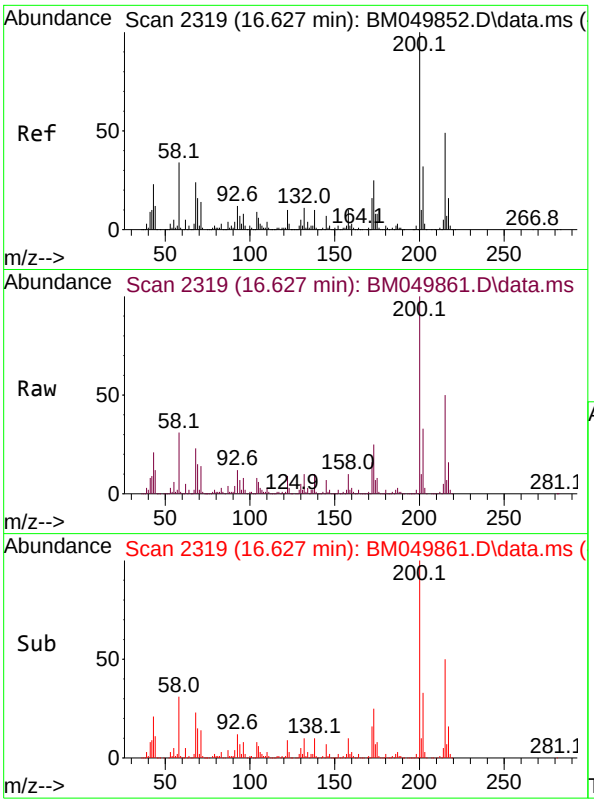


#68
Hexachlorobenzene
Concen: 43.760 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:284 Resp: 829113

Ion	Ratio	Lower	Upper
284	100		
142	28.0	21.2	31.8
249	30.4	24.1	36.1



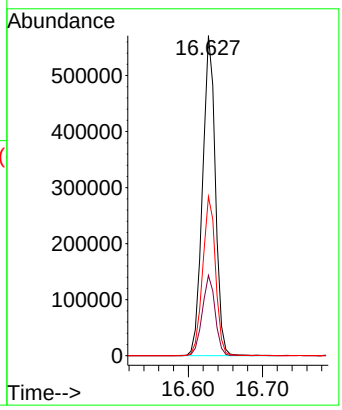


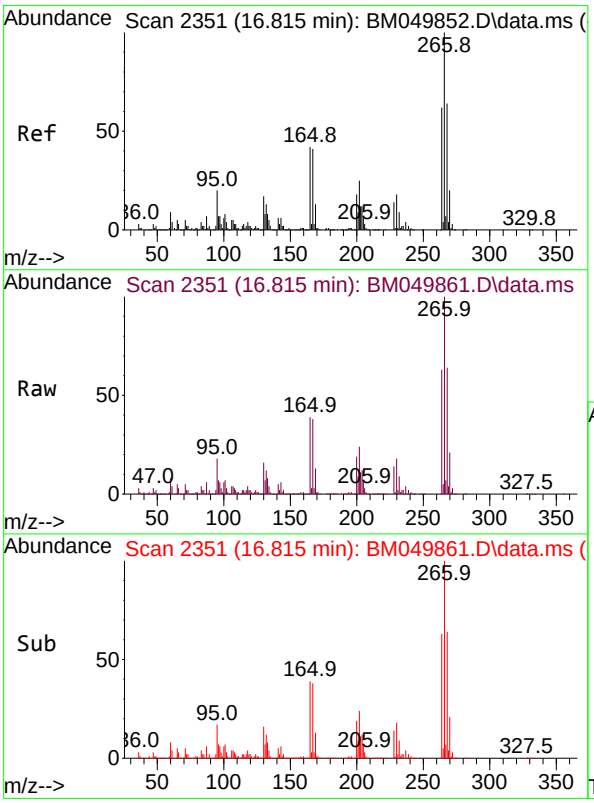
#69
Atrazine
Concen: 62.213 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:200 Resp: 686882

Ion	Ratio	Lower	Upper
200	100		
173	25.1	5.4	45.4
215	49.7	29.0	69.0

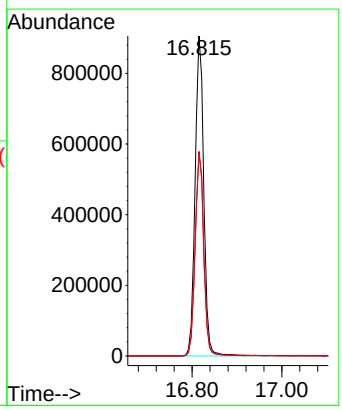


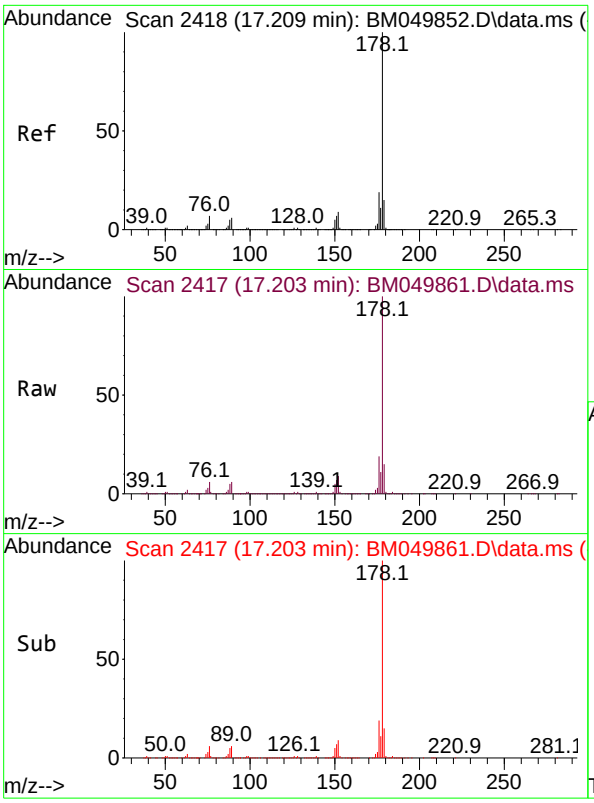


#70
Pentachlorophenol
Concen: 86.985 ng
RT: 16.815 min Scan# 2351
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:266 Resp: 1213366

Ion	Ratio	Lower	Upper
266	100		
268	63.9	51.4	77.2
264	63.5	49.8	74.8



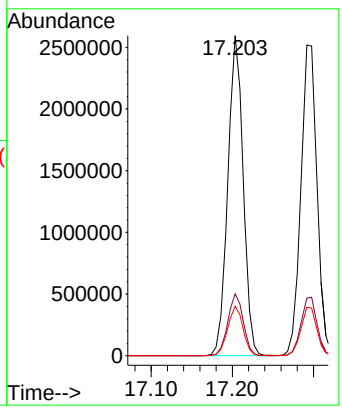


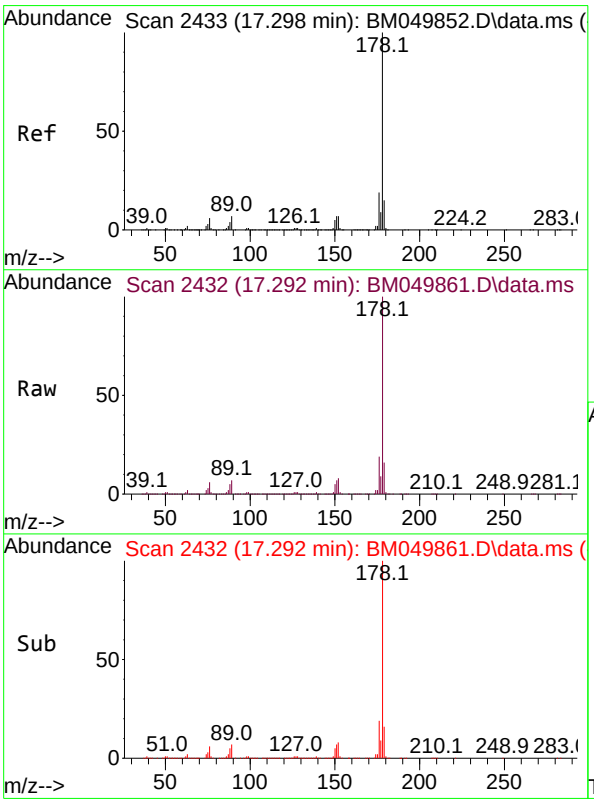
#71
Phenanthrene
Concen: 43.769 ng
RT: 17.203 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:178 Resp: 3414386

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.5	12.3	18.5

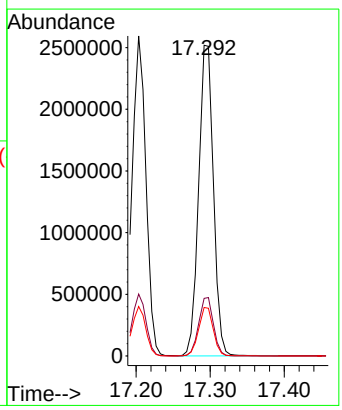


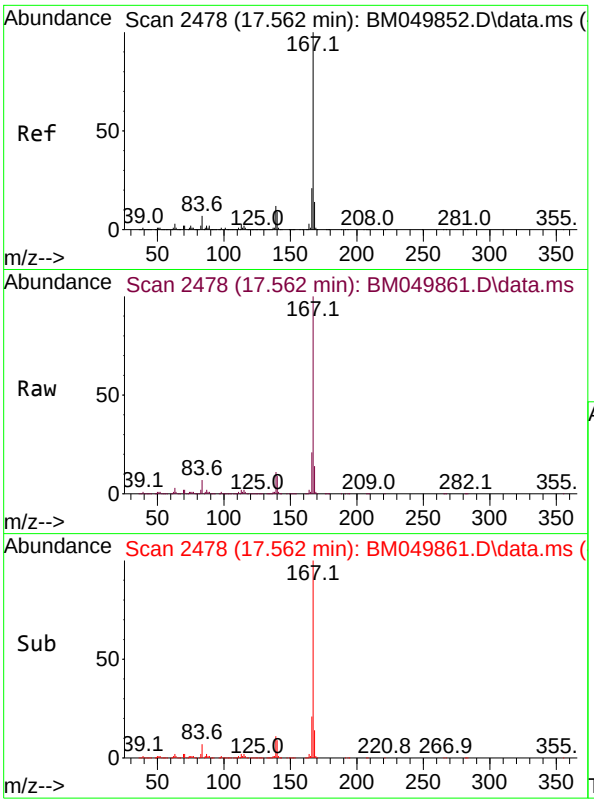


#72
Anthracene
Concen: 45.387 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:178 Resp: 3489185

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.6	12.4	18.6



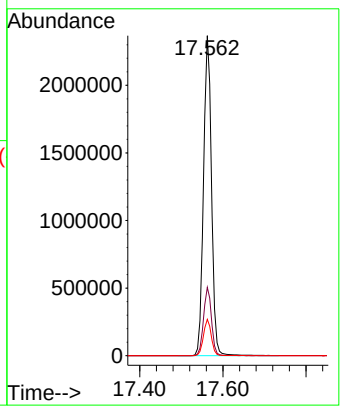


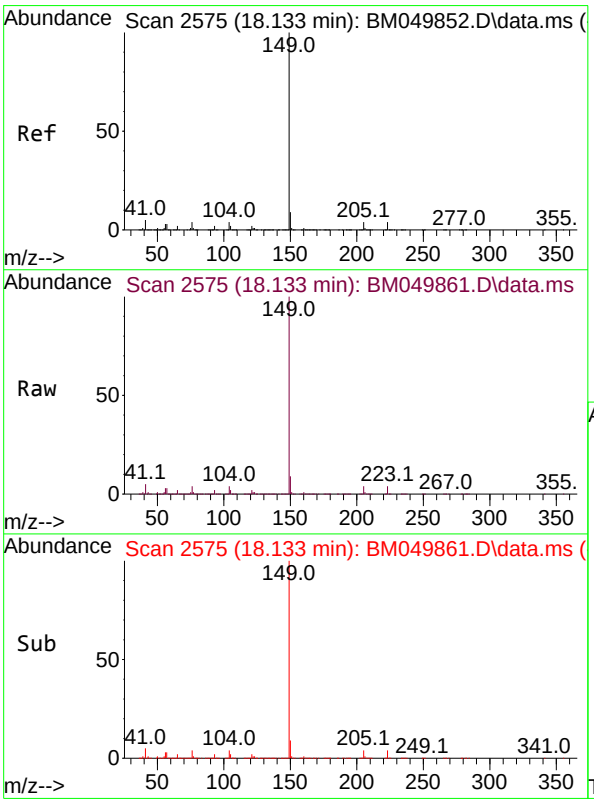
#73
Carbazole
Concen: 43.674 ng
RT: 17.562 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:167 Resp: 3162399

Ion	Ratio	Lower	Upper
167	100		
166	21.3	16.9	25.3
139	11.3	9.3	13.9

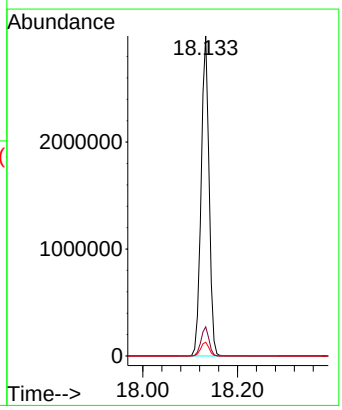


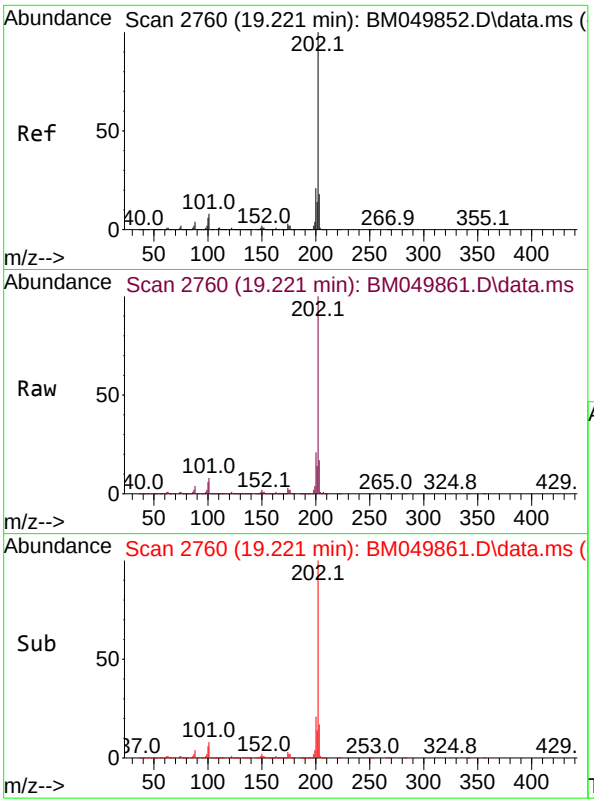


#74
Di-n-butylphthalate
Concen: 41.808 ng
RT: 18.133 min Scan# 2575
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:149 Resp: 3486809

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	4.3	3.5	5.3



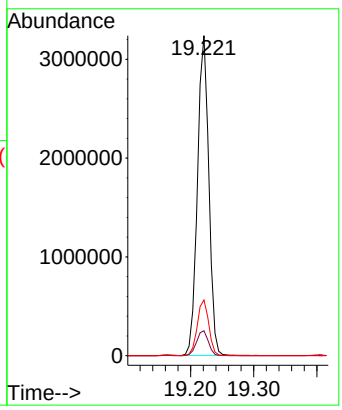


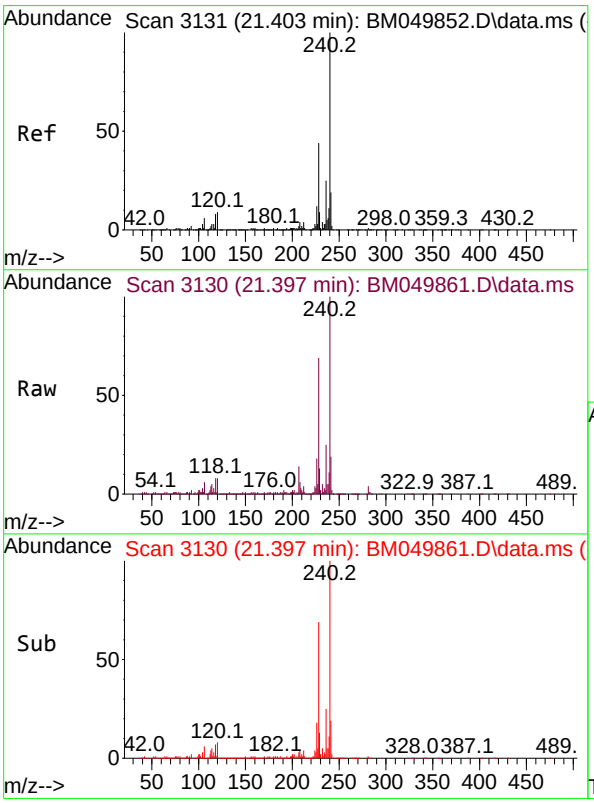
#75
Fluoranthene
Concen: 42.074 ng
RT: 19.221 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:202 Resp: 4035546

Ion	Ratio	Lower	Upper
202	100		
101	7.8	0.0	28.4
203	17.4	0.0	37.8

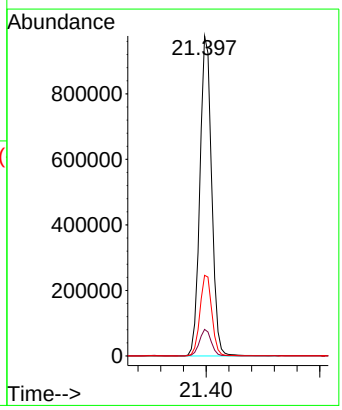


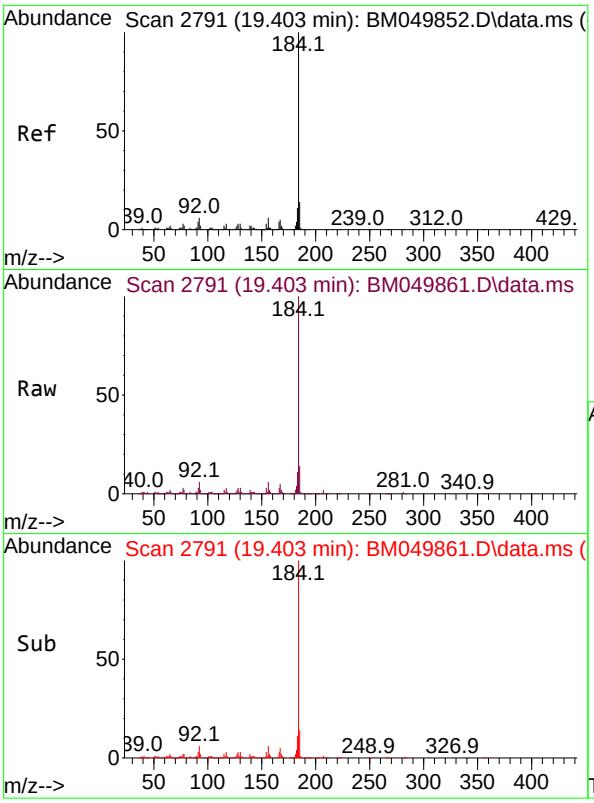


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:240 Resp: 1400193

Ion	Ratio	Lower	Upper
240	100		
120	8.3	6.9	10.3
236	25.2	20.4	30.6



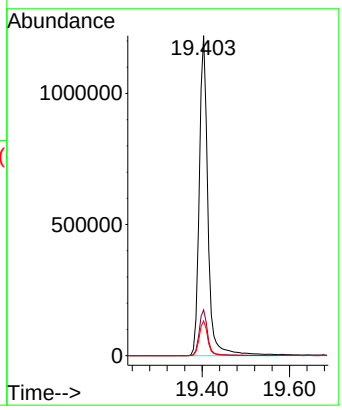


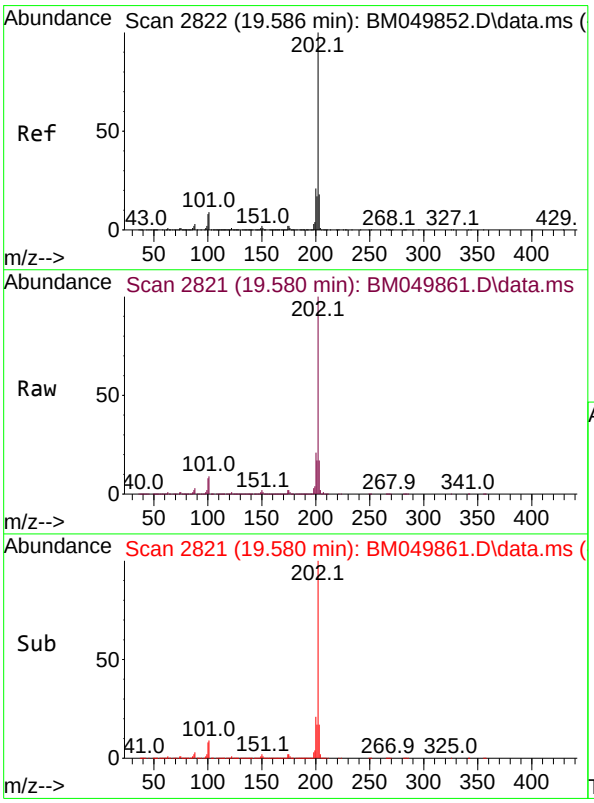
#77
Benzidine
Concen: 90.482 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:184 Resp: 1680751

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	10.9	8.8	13.2

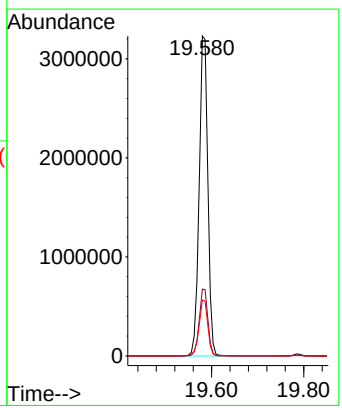


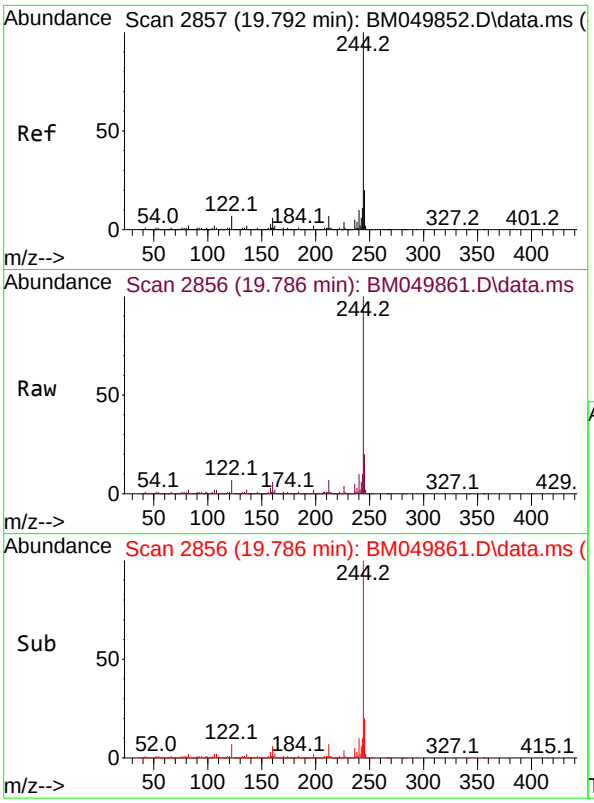


#78
Pyrene
Concen: 43.770 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:202 Resp: 4223716

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.5	24.7
203	17.5	14.0	21.0



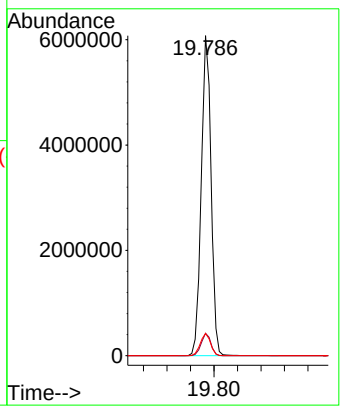


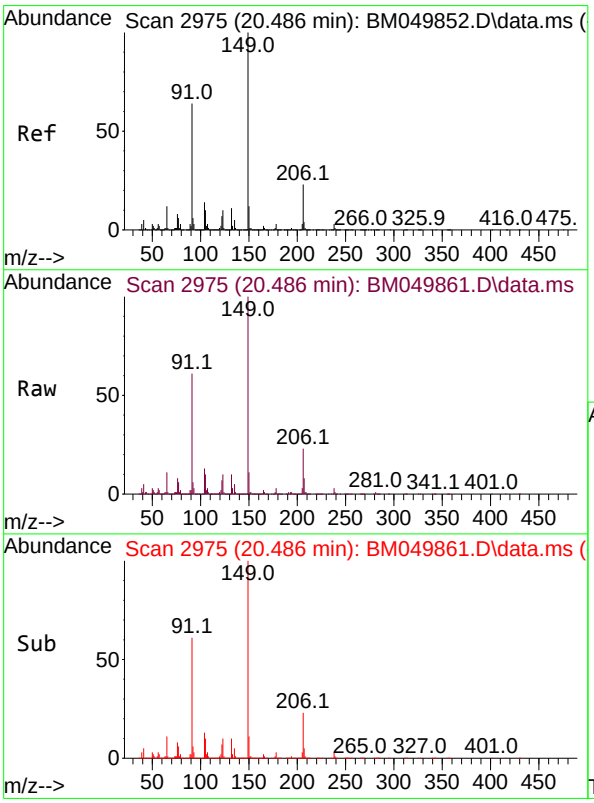
#79
Terphenyl-d14
Concen: 94.364 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:244 Resp: 7050422

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.5	8.3
122	7.0	5.4	8.0

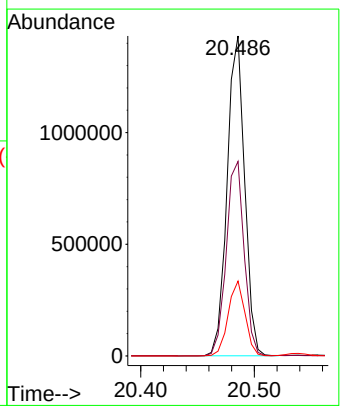


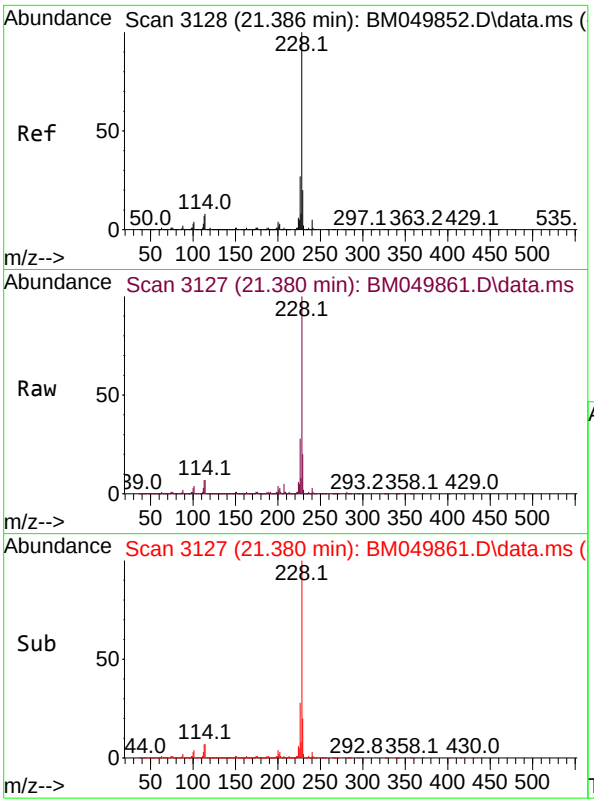


#80
Butylbenzylphthalate
Concen: 42.270 ng
RT: 20.486 min Scan# 2975
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:149 Resp: 1532691

Ion	Ratio	Lower	Upper
149	100		
91	60.8	50.9	76.3
206	23.4	18.4	27.6



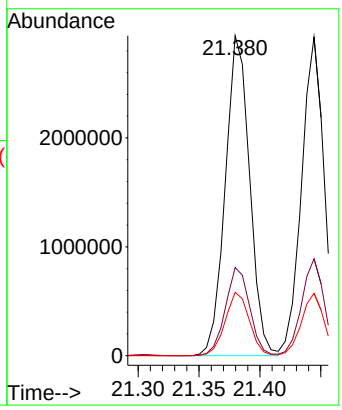


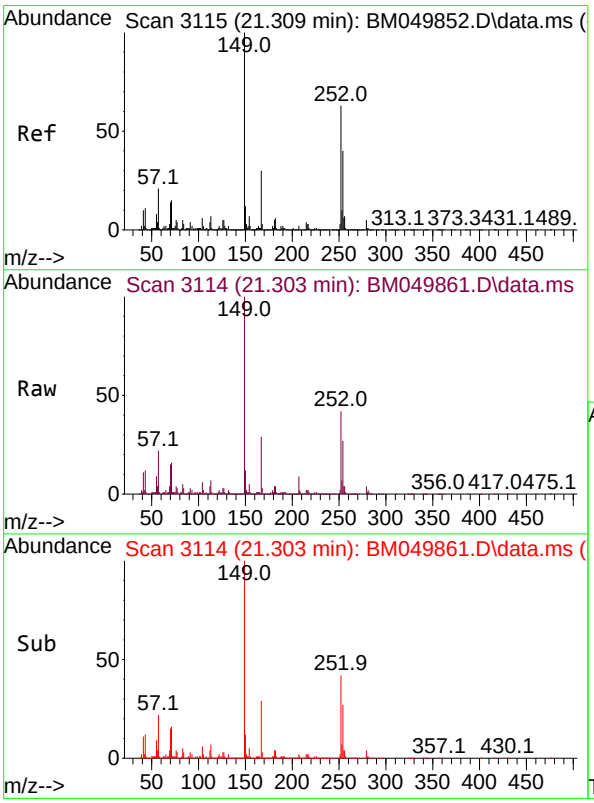
#81
Benzo(a)anthracene
Concen: 44.017 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:228 Resp: 4096069

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	19.8	15.8	23.8

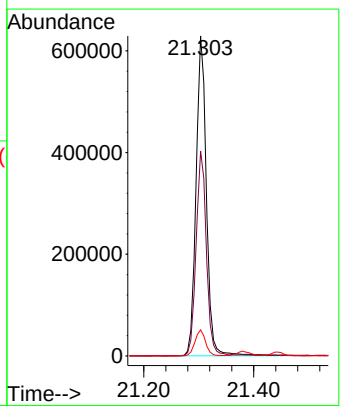


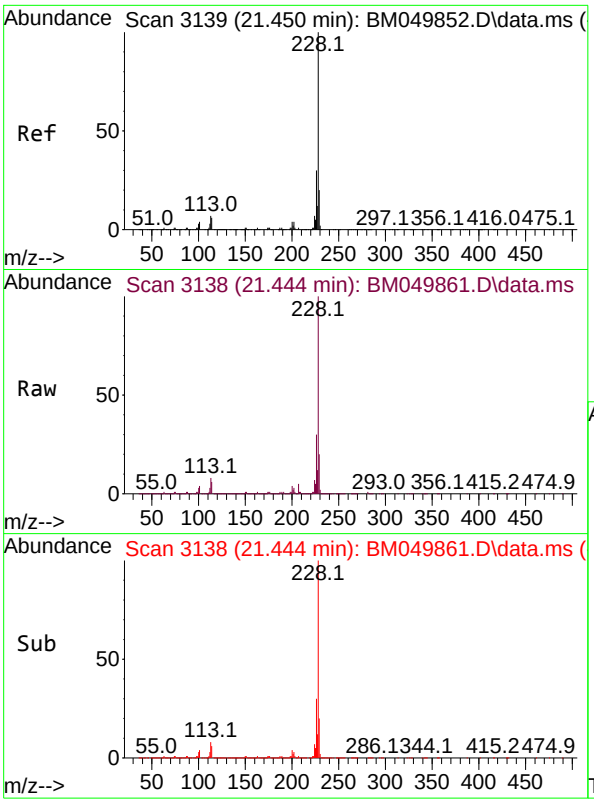


#82
3,3'-Dichlorobenzidine
Concen: 23.478 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:252 Resp: 825078

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.5	77.3
126	8.1	6.3	9.5



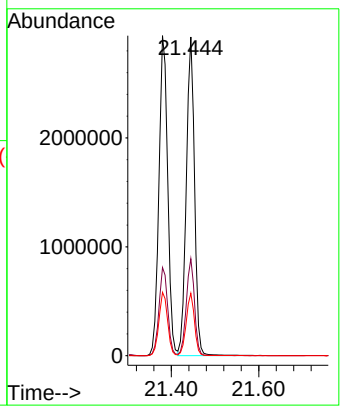


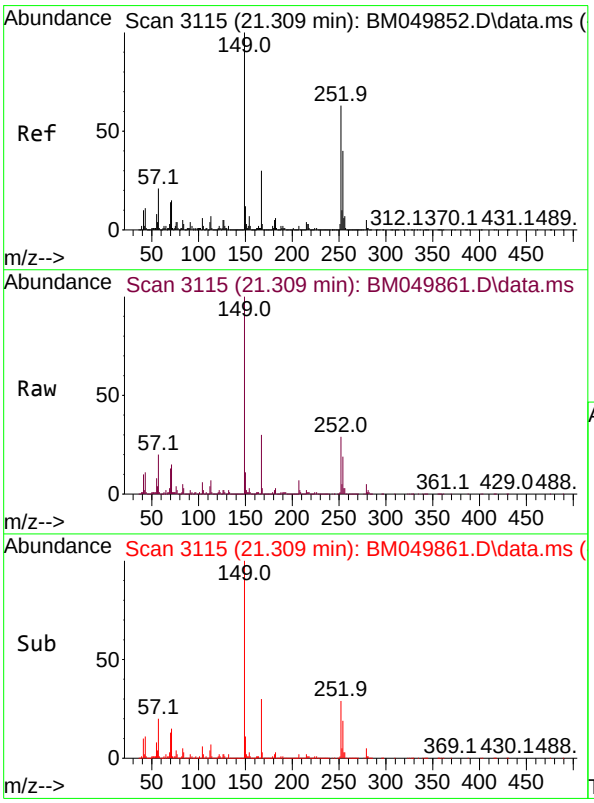
#83
Chrysene
Concen: 43.060 ng
RT: 21.444 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:228 Resp: 3809504

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.1	36.1
229	19.6	15.8	23.6

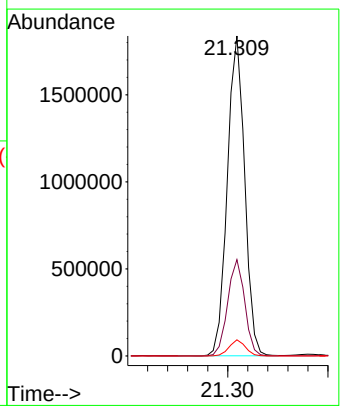


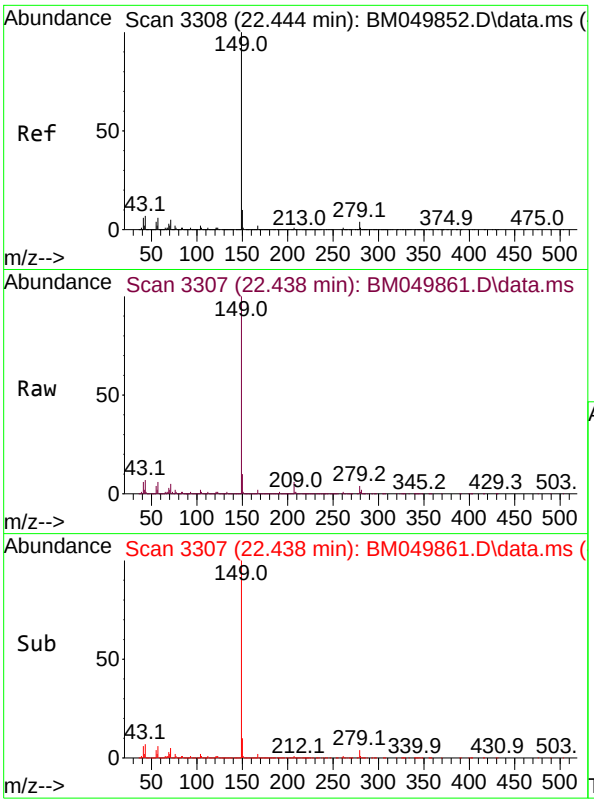


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.737 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:149 Resp: 2204910

Ion	Ratio	Lower	Upper
149	100		
167	30.1	23.8	35.6
279	5.1	3.8	5.8



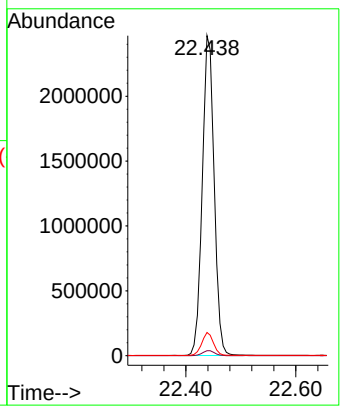


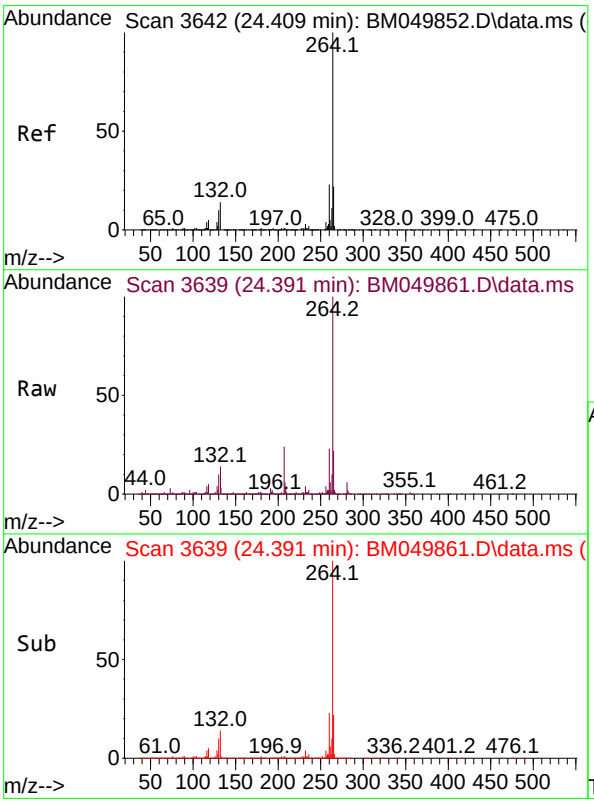
#85
Di-n-octyl phthalate
Concen: 40.036 ng
RT: 22.438 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:149 Resp: 3700122

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.1	5.8	8.6

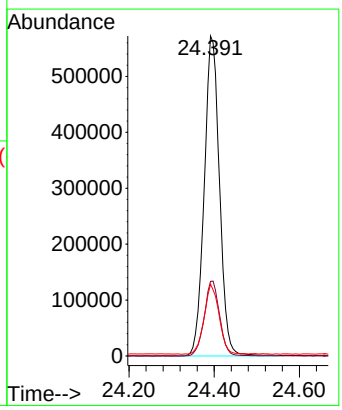


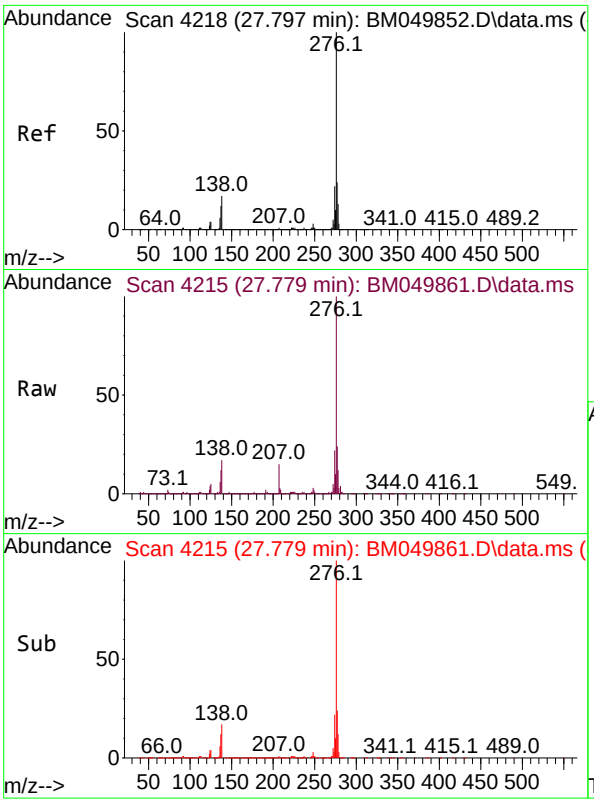


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.018 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:264 Resp: 1421398

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	22.5	17.8	26.8



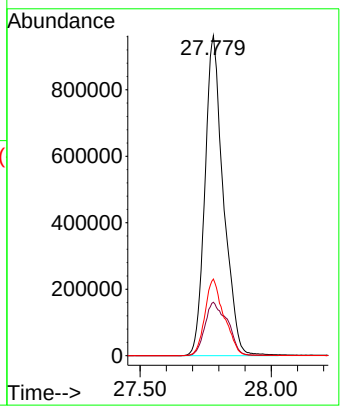


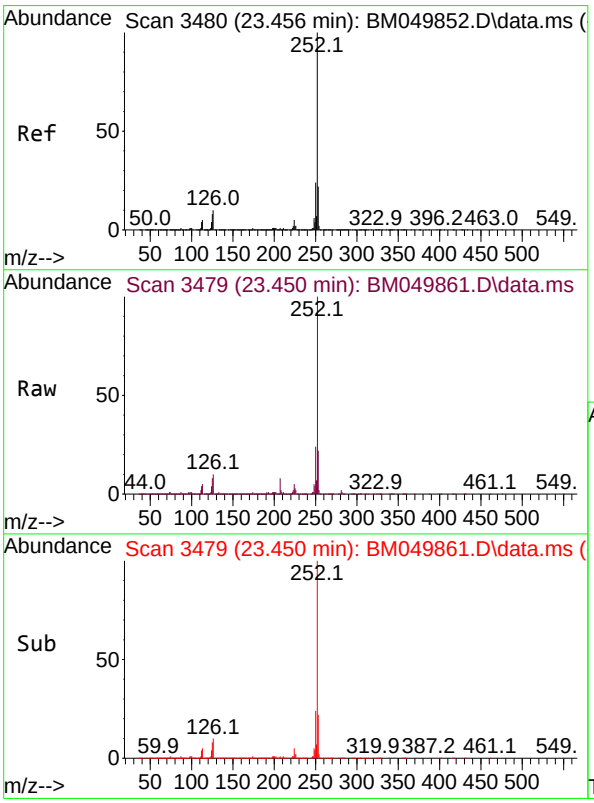
#87
Indeno(1,2,3-cd)pyrene
Concen: 44.488 ng
RT: 27.779 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:276 Resp: 4713585

Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.8	25.2
277	24.8	20.1	30.1

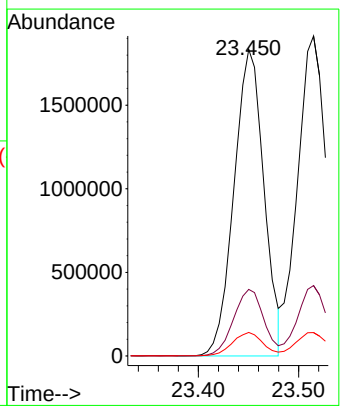


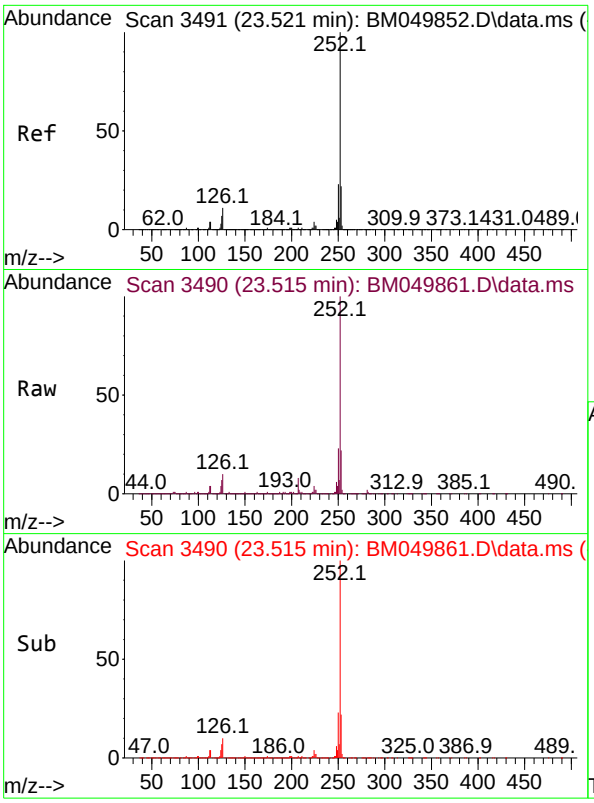


#88
Benzo(b)fluoranthene
Concen: 41.900 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:252 Resp: 3803665

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	7.7	6.2	9.4



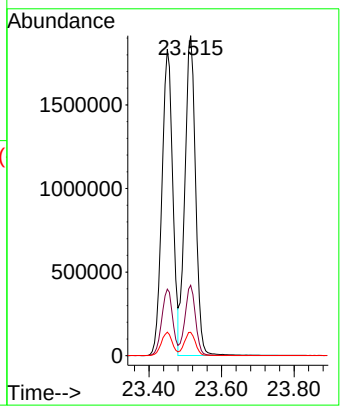


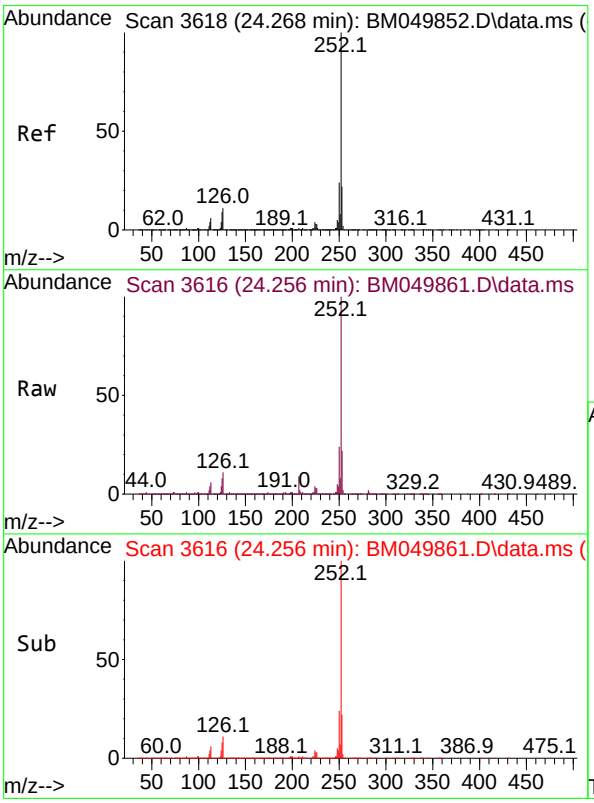
#89
Benzo(k)fluoranthene
Concen: 44.504 ng
RT: 23.515 min Scan# 34
Delta R.T. -0.006 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:252 Resp: 3915062

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	7.3	5.8	8.8

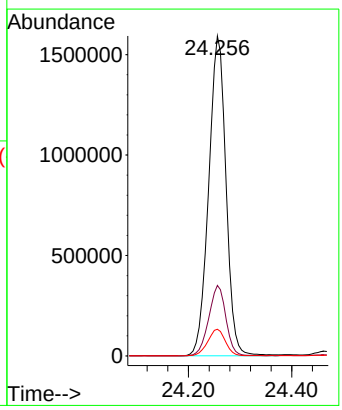


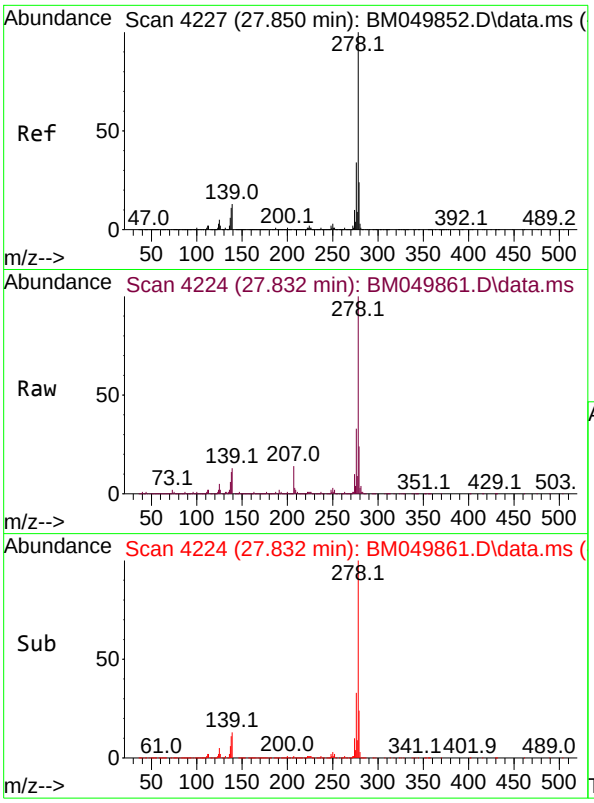


#90
Benzo(a)pyrene
Concen: 46.391 ng
RT: 24.256 min Scan# 3616
Delta R.T. -0.012 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:252 Resp: 3700670

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	8.4	7.0	10.4



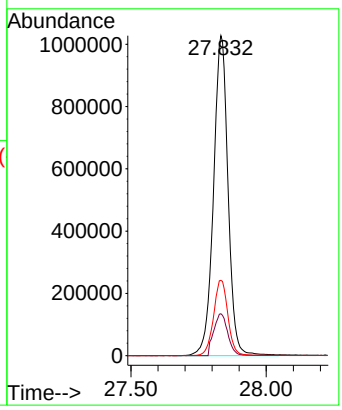


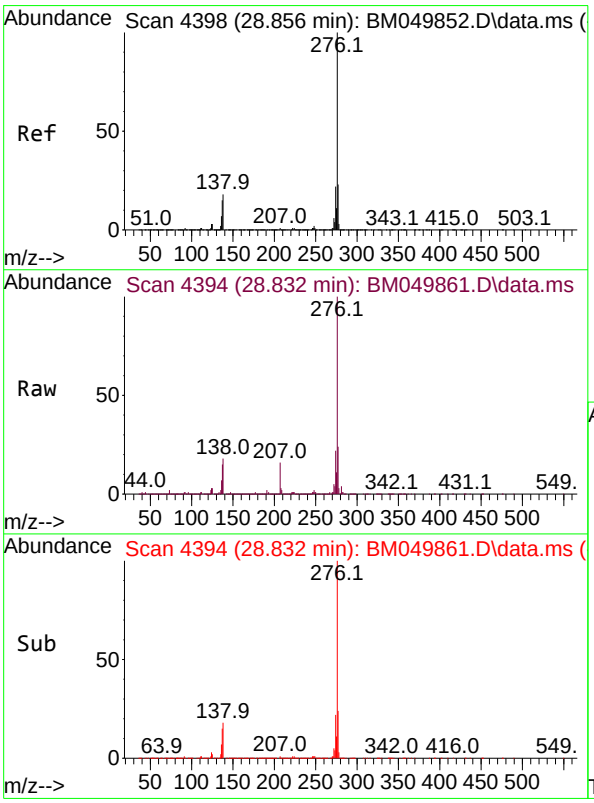
#91
Dibenzo(a,h)anthracene
Concen: 44.011 ng
RT: 27.832 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Instrument :
BNA_M
ClientSampleId :
PB167521BS

Tgt Ion:278 Resp: 3840955

Ion	Ratio	Lower	Upper
278	100		
139	13.1	10.6	15.8
279	23.6	19.1	28.7

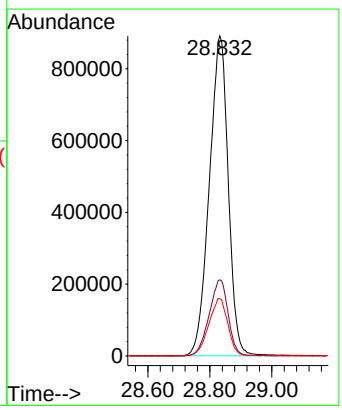




#92
Benzo(g,h,i)perylene
Concen: 42.349 ng
RT: 28.832 min Scan# 4394
Delta R.T. -0.024 min
Lab File: BM049861.D
Acq: 09 Apr 2025 10:27

Tgt Ion:276 Resp: 3776735

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	17.9	14.6	21.8



Raw Data: **BM049862.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	
Client Sample ID:	PB167521BSD	SDG No.:	Q1739
Lab Sample ID:	PB167521BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049862.D	1	04/08/25 11:55	04/09/25 11:06	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	37.4		3.90	10.0	ug/L
108-95-2	Phenol	44.7		0.91	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.9		0.81	5.00	ug/L
95-57-8	2-Chlorophenol	44.4		0.58	5.00	ug/L
95-48-7	2-Methylphenol	46.6		1.10	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	45.5		1.30	5.00	ug/L
98-86-2	Acetophenone	43.3		0.74	5.00	ug/L
65794-96-9	3+4-Methylphenols	45.7		1.10	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	44.1		1.40	2.50	ug/L
67-72-1	Hexachloroethane	43.4		0.65	5.00	ug/L
98-95-3	Nitrobenzene	43.6		0.76	5.00	ug/L
78-59-1	Isophorone	46.7		0.75	5.00	ug/L
88-75-5	2-Nitrophenol	43.4		1.80	5.00	ug/L
105-67-9	2,4-Dimethylphenol	63.9		1.90	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	44.3		0.68	5.00	ug/L
120-83-2	2,4-Dichlorophenol	44.3		0.52	5.00	ug/L
91-20-3	Naphthalene	42.1		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	25.5		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	44.3		0.54	5.00	ug/L
105-60-2	Caprolactam	42.2		1.10	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	43.7		0.59	5.00	ug/L
91-57-6	2-Methylnaphthalene	39.1		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	190	E	3.60	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	44.4		0.51	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	45.0		0.62	5.00	ug/L
92-52-4	1,1-Biphenyl	43.1		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	43.6		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	45.9		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	43.8		0.61	5.00	ug/L

Raw Data: **BM049862.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	
Client Sample ID:	PB167521BSD	SDG No.:	Q1739
Lab Sample ID:	PB167521BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049862.D	1	04/08/25 11:55	04/09/25 11:06	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
208-96-8	Acenaphthylene	47.0		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	45.4		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	26.5		1.10	5.00	ug/L
83-32-9	Acenaphthene	42.9		0.55	5.00	ug/L
51-28-5	2,4-Dinitrophenol	84.7	E	6.00	10.0	ug/L
100-02-7	4-Nitrophenol	99.6	E	2.40	10.0	ug/L
132-64-9	Dibenzofuran	41.8		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	48.1		1.20	5.00	ug/L
84-66-2	Diethylphthalate	42.9		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.7		0.68	5.00	ug/L
86-73-7	Fluorene	44.5		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	44.6		1.50	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	45.4		2.90	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	45.8		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	44.9		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	45.6		0.52	5.00	ug/L
1912-24-9	Atrazine	66.0		1.00	5.00	ug/L
87-86-5	Pentachlorophenol	92.0	E	1.60	10.0	ug/L
85-01-8	Phenanthrene	45.9		0.50	5.00	ug/L
120-12-7	Anthracene	47.6		0.61	5.00	ug/L
86-74-8	Carbazole	46.1		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	44.1		1.20	5.00	ug/L
206-44-0	Fluoranthene	45.0		0.82	5.00	ug/L
129-00-0	Pyrene	45.9		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	44.3		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	25.9		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	46.5		0.45	5.00	ug/L
218-01-9	Chrysene	45.1		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	44.1		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	42.3		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	45.0		0.49	5.00	ug/L

Raw Data: **BM049862.D**

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

Report of Analysis

Client:	PARSONS Engineering of New York, Inc.	Date Collected:	
Project:	Con Edison - 11th Ave-West 50th St Site	Date Received:	
Client Sample ID:	PB167521BSD	SDG No.:	Q1739
Lab Sample ID:	PB167521BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM049862.D	1	04/08/25 11:55	04/09/25 11:06	PB167521

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	47.2		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	49.1		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	46.9		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	46.2		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.3		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.4		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	35.7		1.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	43.7		0.72	5.00	ug/L
SURROGATES						
367-12-4	2-Fluorophenol	125		10 - 139	83%	SPK: 150
13127-88-3	Phenol-d6	122		10 - 134	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	84.5		49 - 133	84%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.4		52 - 132	84%	SPK: 100
118-79-6	2,4,6-Tribromophenol	136		44 - 137	91%	SPK: 150
1718-51-0	Terphenyl-d14	98.6		48 - 125	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	335000	7.775			
1146-65-2	Naphthalene-d8	1150000	10.569			
15067-26-2	Acenaphthene-d10	736000	14.415			
1517-22-2	Phenanthrene-d10	1450000	17.162			
1719-03-5	Chrysene-d12	1440000	21.397			
1520-96-3	Perylene-d12	1420000	24.391			

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\BM040925\
Data File : BM049862.D
Acq On : 09 Apr 2025 11:06
Operator : RC/JU
Sample : PB167521BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Quant Time: Apr 10 01:11:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.775	152	335066	20.000	ng		0.00
21) Naphthalene-d8	10.569	136	1150025	20.000	ng		0.00
39) Acenaphthene-d10	14.415	164	735598	20.000	ng		0.00
64) Phenanthrene-d10	17.162	188	1446565	20.000	ng		0.00
76) Chrysene-d12	21.397	240	1438522	20.000	ng		0.00
86) Perylene-d12	24.391	264	1424302	20.000	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.363	112	2462350	124.789	ng		0.00
7) Phenol-d6	6.951	99	3004228	122.370	ng		0.00
23) Nitrobenzene-d5	8.933	82	1745095	84.499	ng		0.00
42) 2,4,6-Tribromophenol	15.909	330	1453370	135.835	ng		0.00
45) 2-Fluorobiphenyl	13.039	172	4580069	84.430	ng		0.00
79) Terphenyl-d14	19.786	244	7567987	98.593	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.257	88	289952	35.680	ng		99
3) Pyridine	3.657	79	810865	37.978	ng		98
4) n-Nitrosodimethylamine	3.563	42	341143	41.985	ng		96
6) Aniline	7.104	93	910625	43.288	ng		99
8) 2-Chlorophenol	7.345	128	896976	44.357	ng		99
9) Benzaldehyde	6.916	77	471360	37.414	ng		97
10) Phenol	6.981	94	1070288	44.674	ng		98
11) bis(2-Chloroethyl)ether	7.198	93	824742	43.899	ng		98
12) 1,3-Dichlorobenzene	7.669	146	1045388	43.726	ng		99
13) 1,4-Dichlorobenzene	7.810	146	1050000	43.648	ng		99
14) 1,2-Dichlorobenzene	8.128	146	1011408	44.638	ng		100
15) Benzyl Alcohol	8.016	79	696410	45.047	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.304	45	951860	45.456	ng		99
17) 2-Methylphenol	8.222	107	687637	46.576	ng		98
18) Hexachloroethane	8.857	117	363531	43.436	ng		97
19) n-Nitroso-di-n-propyla...	8.586	70	599988	44.125	ng		100
20) 3+4-Methylphenols	8.551	107	919992	45.707	ng		98
22) Acetophenone	8.598	105	1211222	43.337	ng	#	98
24) Nitrobenzene	8.975	77	866706	43.583	ng		99
25) Isophorone	9.504	82	1614808	46.675	ng		98
26) 2-Nitrophenol	9.686	139	457262	43.383	ng		99
27) 2,4-Dimethylphenol	9.751	122	763120	63.887	ng		98
28) bis(2-Chloroethoxy)met...	9.980	93	1026510	44.319	ng		99
29) 2,4-Dichlorophenol	10.222	162	879670	44.304	ng		99
30) 1,2,4-Trichlorobenzene	10.433	180	1007214	43.849	ng		100
31) Naphthalene	10.622	128	2487681	42.098	ng		99
32) Benzoic acid	9.886	122	500509	36.330	ng		99
33) 4-Chloroaniline	10.727	127	532920	25.540	ng		97
34) Hexachlorobutadiene	10.910	225	629806	44.327	ng		98
35) Caprolactam	11.510	113	240290	42.195	ng		93
36) 4-Chloro-3-methylphenol	11.863	107	759543	43.671	ng		99
37) 2-Methylnaphthalene	12.233	142	1628063	39.104	ng		99
38) 1-Methylnaphthalene	12.457	142	1708396	42.118	ng		99
40) 1,2,4,5-Tetrachloroben...	12.610	216	1141788	44.368	ng		99
41) Hexachlorocyclopentadiene	12.592	237	1686714	187.047	ng		99
43) 2,4,6-Trichlorophenol	12.851	196	727525	44.427	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049862.D
Acq On : 09 Apr 2025 11:06
Operator : RC/JU
Sample : PB167521BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Quant Time: Apr 10 01:11:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

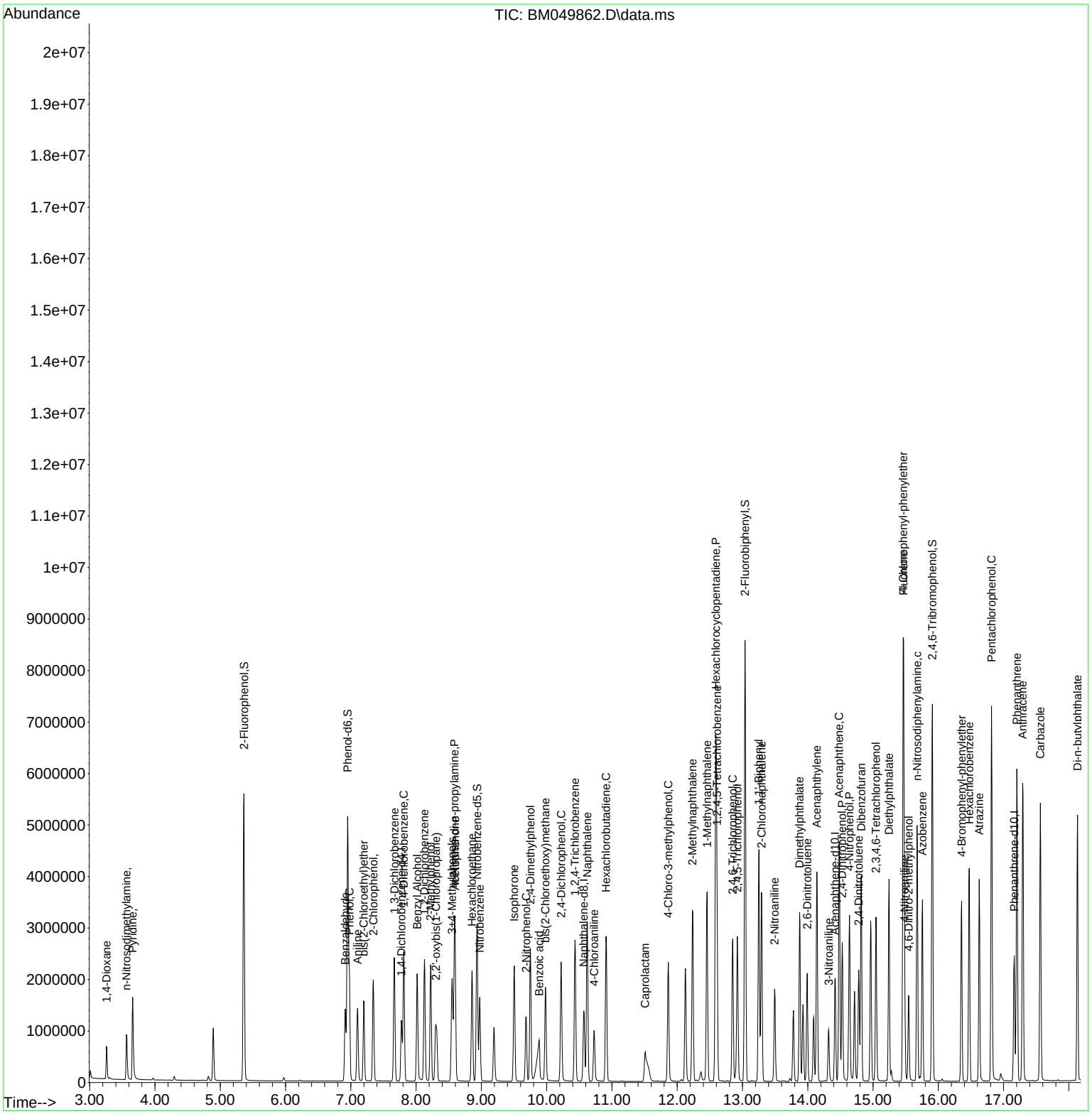
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.921	196	801550	45.042	ng	98
46) 1,1'-Biphenyl	13.251	154	2358457	43.130	ng	100
47) 2-Chloronaphthalene	13.292	162	1874993	43.626	ng	99
48) 2-Nitroaniline	13.492	65	456388	45.900	ng	98
49) Acenaphthylene	14.139	152	2942784	47.005	ng	100
50) Dimethylphthalate	13.874	163	2272895	43.798	ng	99
51) 2,6-Dinitrotoluene	13.992	165	493805	45.417	ng	99
52) Acenaphthene	14.480	154	1709875	42.938	ng	99
53) 3-Nitroaniline	14.321	138	278294	26.483	ng	98
54) 2,4-Dinitrophenol	14.527	184	670209	84.656	ng	97
55) Dibenzofuran	14.821	168	2780257	41.763	ng	98
56) 4-Nitrophenol	14.639	139	932568	99.585	ng	100
57) 2,4-Dinitrotoluene	14.780	165	697060	48.056	ng	98
58) Fluorene	15.468	166	2353879	44.483	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.045	232	682132	43.733	ng	99
60) Diethylphthalate	15.245	149	2135751	42.915	ng	99
61) 4-Chlorophenyl-phenyle...	15.462	204	1268642	44.717	ng	99
62) 4-Nitroaniline	15.486	138	485055	44.634	ng	99
63) Azobenzene	15.757	77	1821372	42.747	ng	98
65) 4,6-Dinitro-2-methylph...	15.545	198	414097	45.427	ng	98
66) n-Nitrosodiphenylamine	15.674	169	1981248	45.767	ng	100
67) 4-Bromophenyl-phenylether	16.356	248	754789	44.947	ng	96
68) Hexachlorobenzene	16.474	284	878488	45.607	ng	99
69) Atrazine	16.627	200	740849	66.004	ng	99
70) Pentachlorophenol	16.815	266	1304253	91.972	ng	100
71) Phenanthrene	17.203	178	3640568	45.905	ng	100
72) Anthracene	17.292	178	3723016	47.636	ng	100
73) Carbazole	17.562	167	3395893	46.132	ng	100
74) Di-n-butylphthalate	18.133	149	3742613	44.141	ng	100
75) Fluoranthene	19.221	202	4385651	44.976	ng	99
77) Benzidine	19.403	184	2008454	105.243	ng	100
78) Pyrene	19.580	202	4546344	45.858	ng	99
80) Butylbenzylphthalate	20.480	149	1651961	44.345	ng	99
81) Benzo(a)anthracene	21.380	228	4441714	46.460	ng	99
82) 3,3'-Dichlorobenzidine	21.303	252	934995	25.897	ng	100
83) Chrysene	21.444	228	4103005	45.142	ng	99
84) Bis(2-ethylhexyl)phtha...	21.309	149	2393538	44.100	ng	99
85) Di-n-octyl phthalate	22.438	149	4015047	42.286	ng	100
87) Indeno(1,2,3-cd)pyrene	27.773	276	4976589	46.874	ng	99
88) Benzo(b)fluoranthene	23.450	252	4090414	44.967	ng	99
89) Benzo(k)fluoranthene	23.515	252	4161896	47.213	ng	99
90) Benzo(a)pyrene	24.256	252	3924916	49.102	ng	99
91) Dibenzo(a,h)anthracene	27.832	278	4042770	46.229	ng	99
92) Benzo(g,h,i)perylene	28.832	276	3959871	44.312	ng	99

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049862.D
Acq On : 09 Apr 2025 11:06
Operator : RC/JU
Sample : PB167521BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

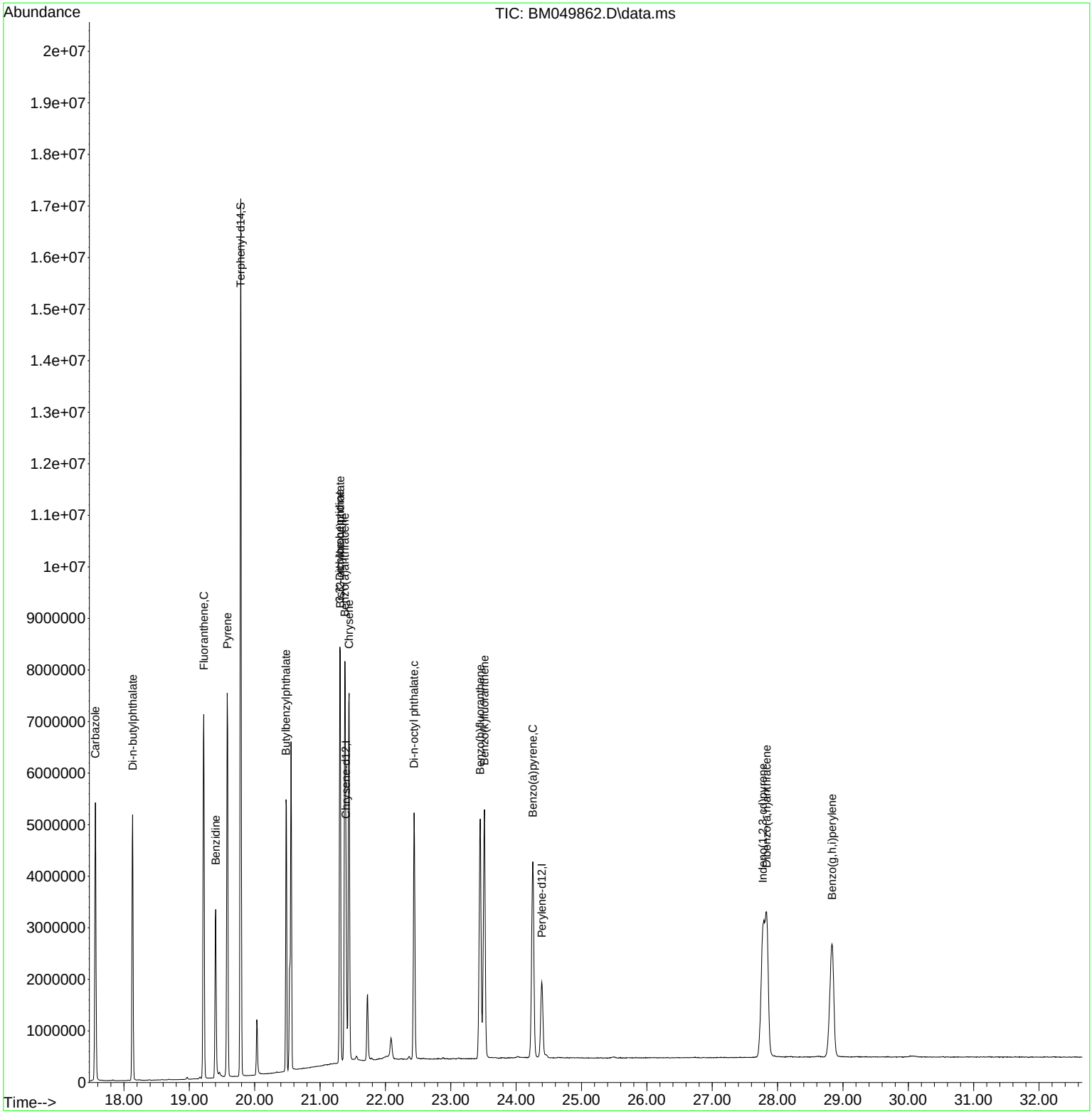
Quant Time: Apr 10 01:11:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration

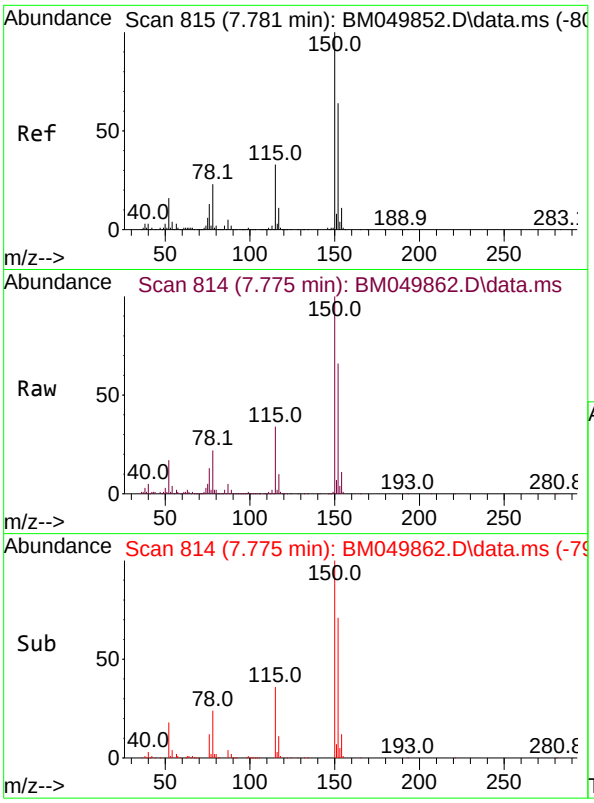


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040925\
Data File : BM049862.D
Acq On : 09 Apr 2025 11:06
Operator : RC/JU
Sample : PB167521BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Quant Time: Apr 10 01:11:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 2025
Response via : Initial Calibration



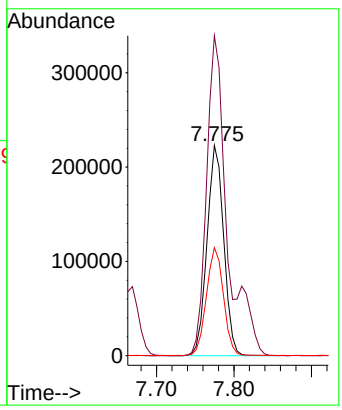


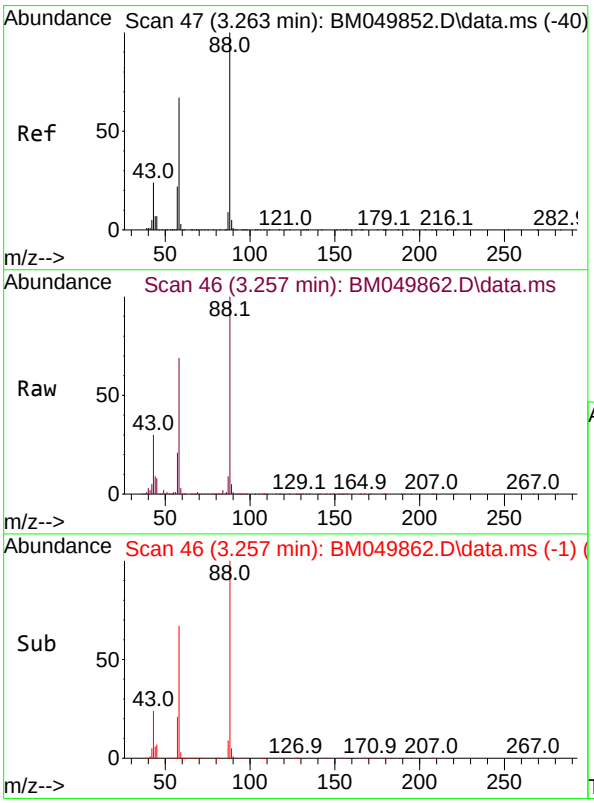
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.775 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:152 Resp: 335066

Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.3	186.5
115	51.4	41.1	61.7

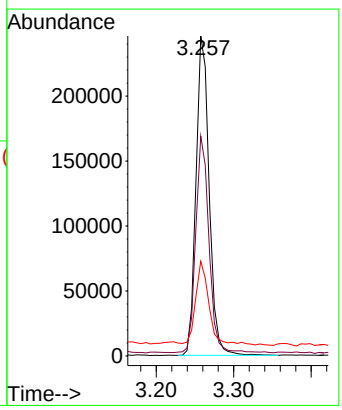


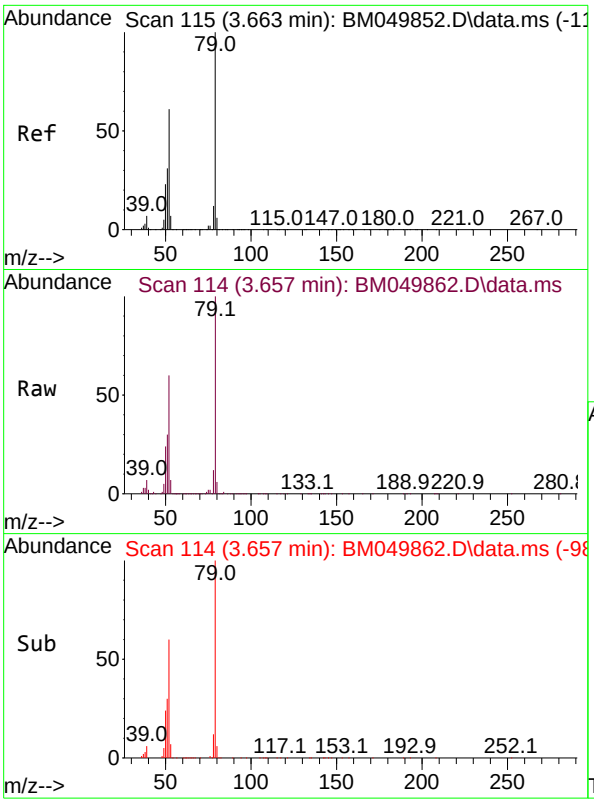


#2
1,4-Dioxane
Concen: 35.680 ng
RT: 3.257 min Scan# 46
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion: 88 Resp: 289952

Ion	Ratio	Lower	Upper
88	100		
58	68.2	54.1	81.1
43	26.4	20.2	30.4



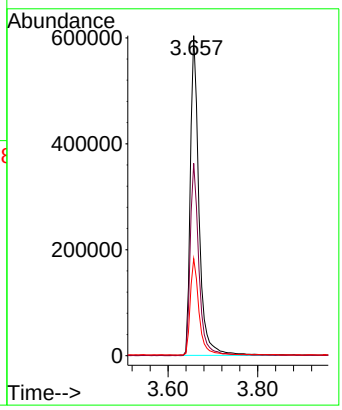


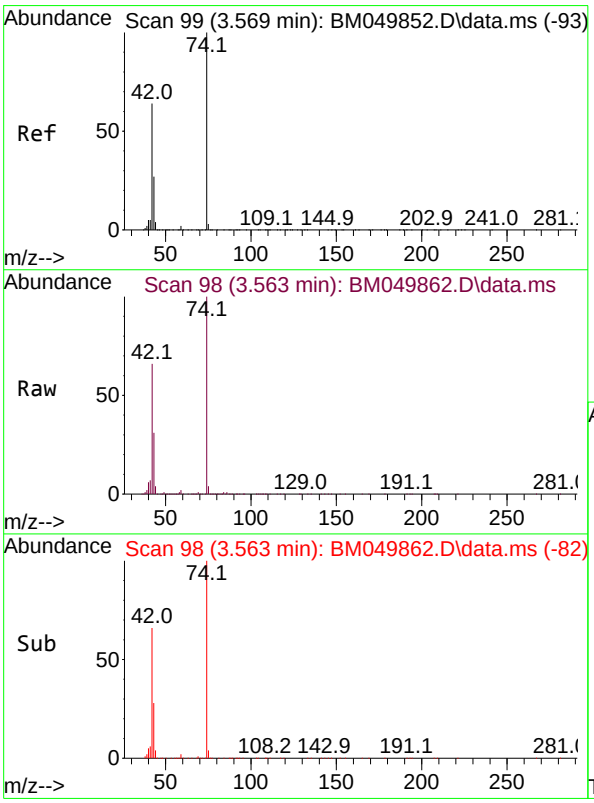
#3
Pyridine
Concen: 37.978 ng
RT: 3.657 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion: 79 Resp: 810865

Ion	Ratio	Lower	Upper
79	100		
52	60.1	48.9	73.3
51	30.3	25.0	37.6

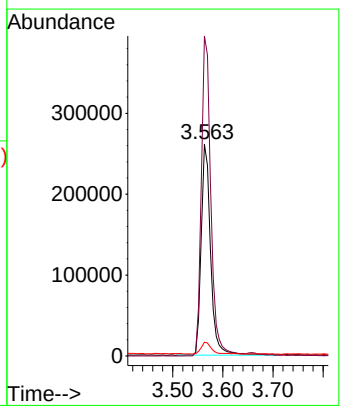


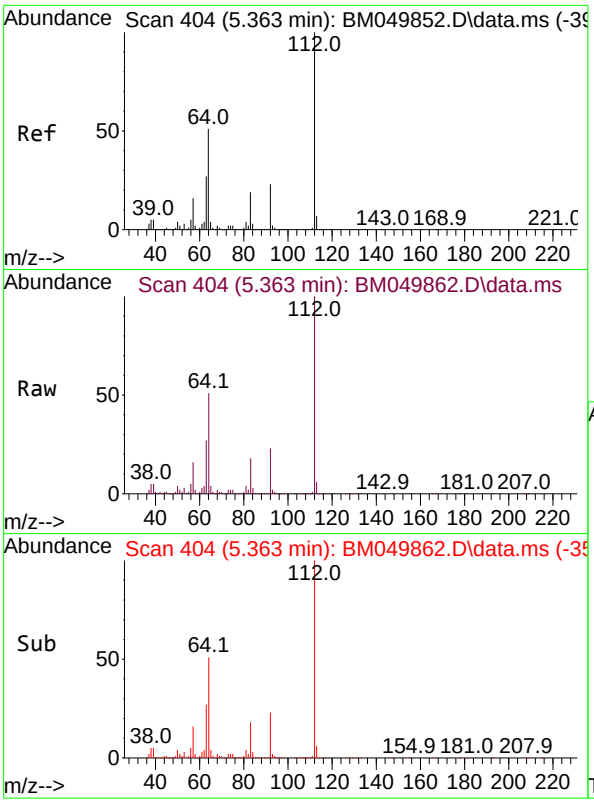


#4
n-Nitrosodimethylamine
Concen: 41.985 ng
RT: 3.563 min Scan# 98
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion: 42 Resp: 341143

Ion	Ratio	Lower	Upper
42	100		
74	151.1	125.4	188.2
44	6.5	5.9	8.9



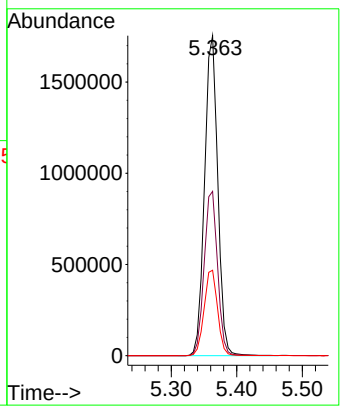


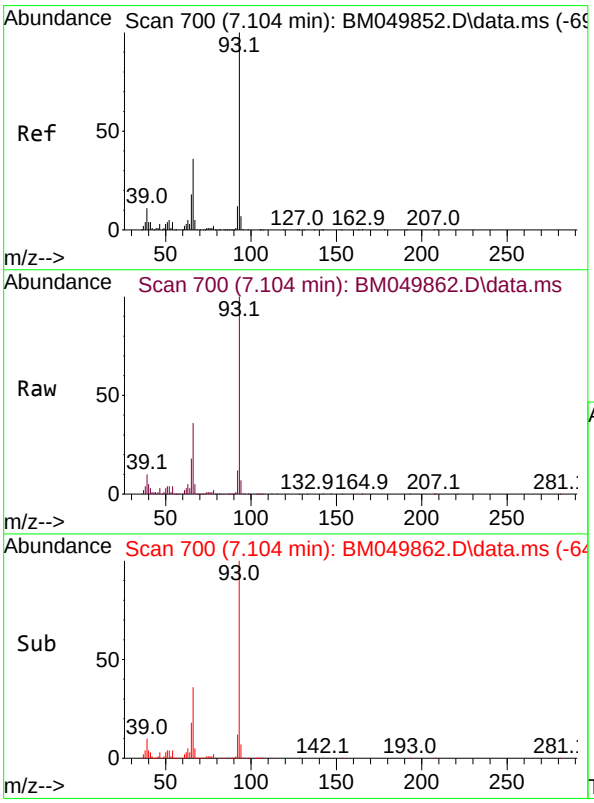
#5
2-Fluorophenol
Concen: 124.789 ng
RT: 5.363 min Scan# 4
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:112 Resp: 2462350

Ion	Ratio	Lower	Upper
112	100		
64	51.4	41.0	61.6
63	26.7	21.5	32.3

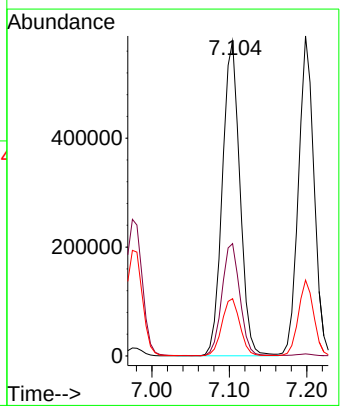


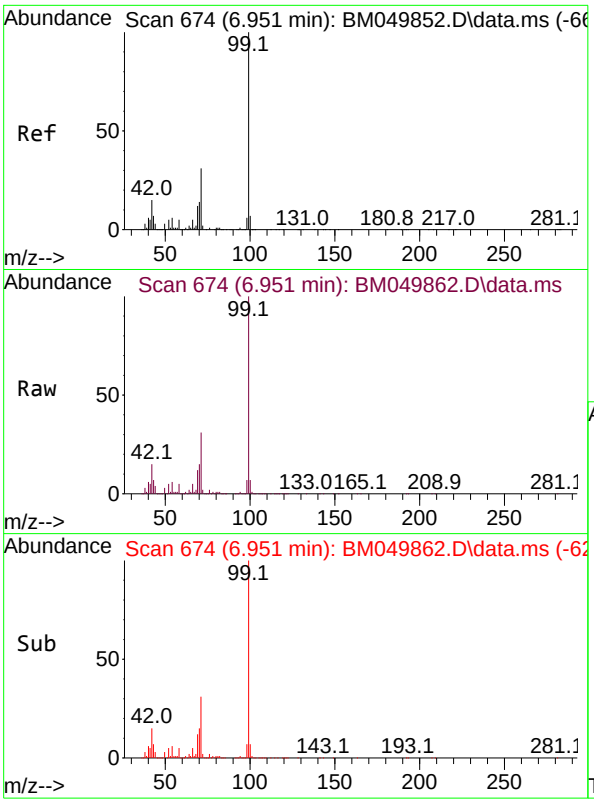


#6
Aniline
Concen: 43.288 ng
RT: 7.104 min Scan# 700
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion: 93 Resp: 910625

Ion	Ratio	Lower	Upper
93	100		
66	35.7	29.1	43.7
65	18.2	14.9	22.3



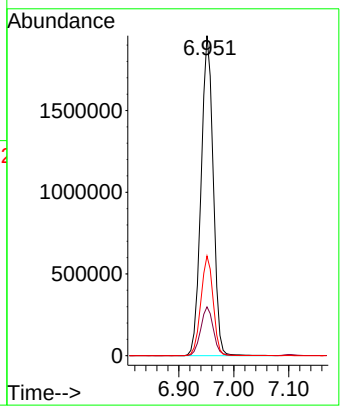


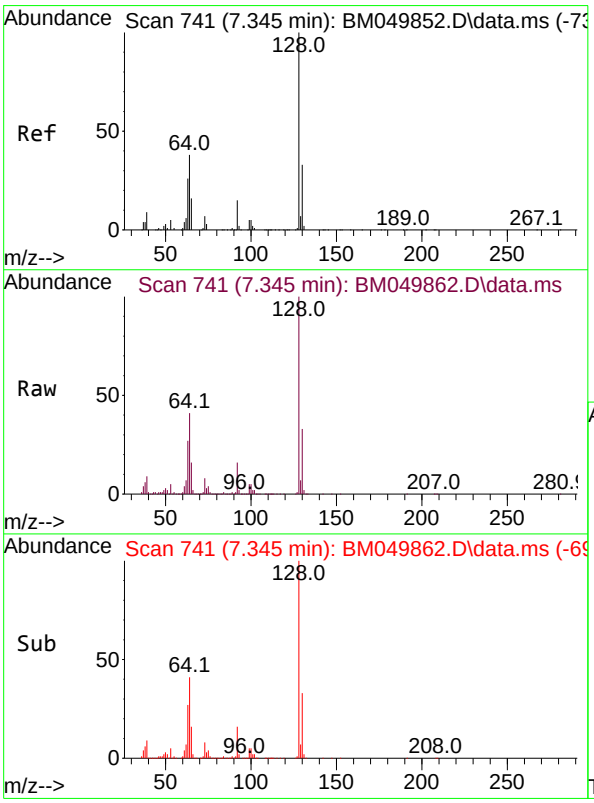
#7
Phenol-d6
Concen: 122.370 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion: 99 Resp: 3004228

Ion	Ratio	Lower	Upper
99	100		
42	15.2	12.1	18.1
71	31.1	24.9	37.3

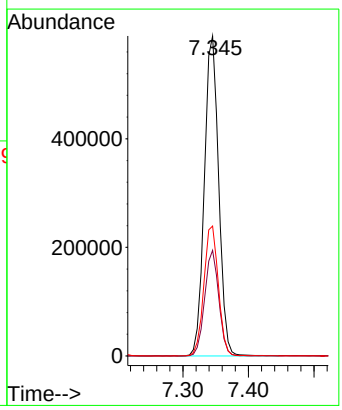


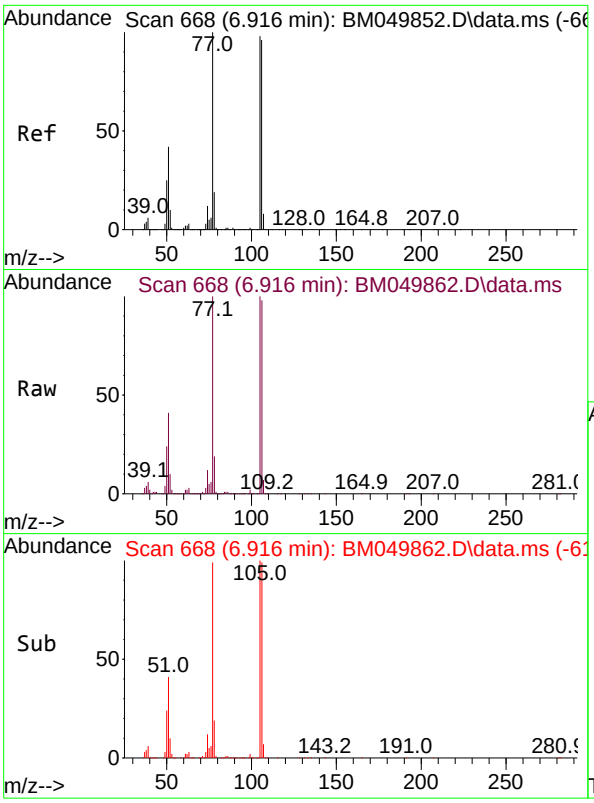


#8
2-Chlorophenol
Concen: 44.357 ng
RT: 7.345 min Scan# 741
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:128 Resp: 896976

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.6	52.6
64	40.6	21.1	61.1



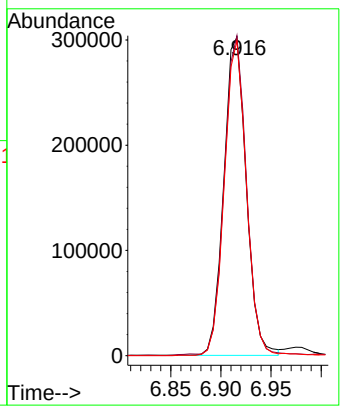


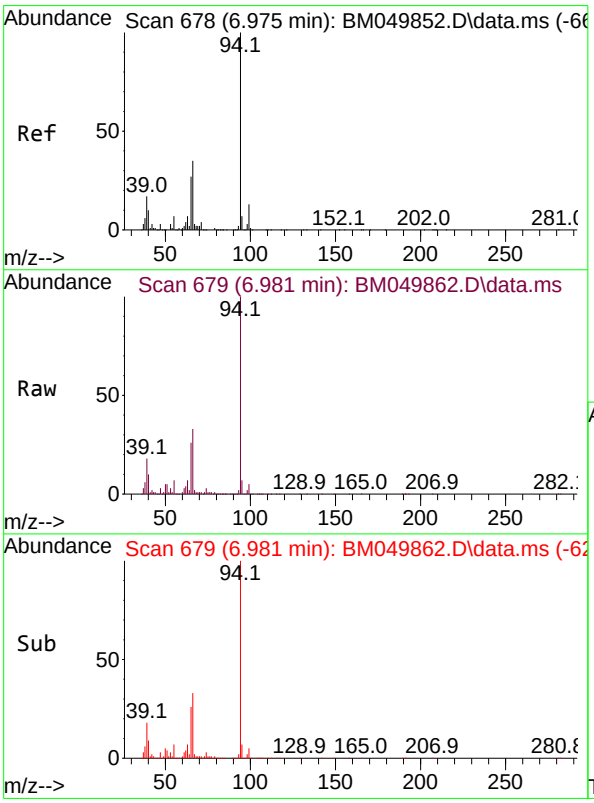
#9
Benzaldehyde
Concen: 37.414 ng
RT: 6.916 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion: 77 Resp: 471360

Ion	Ratio	Lower	Upper
77	100		
105	100.5	78.3	118.3
106	98.9	76.0	116.0

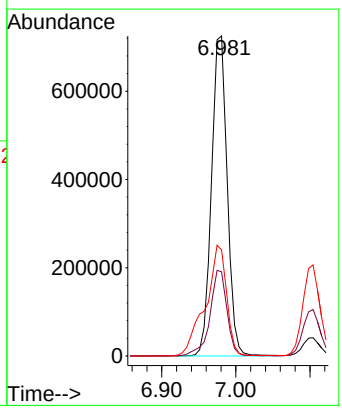


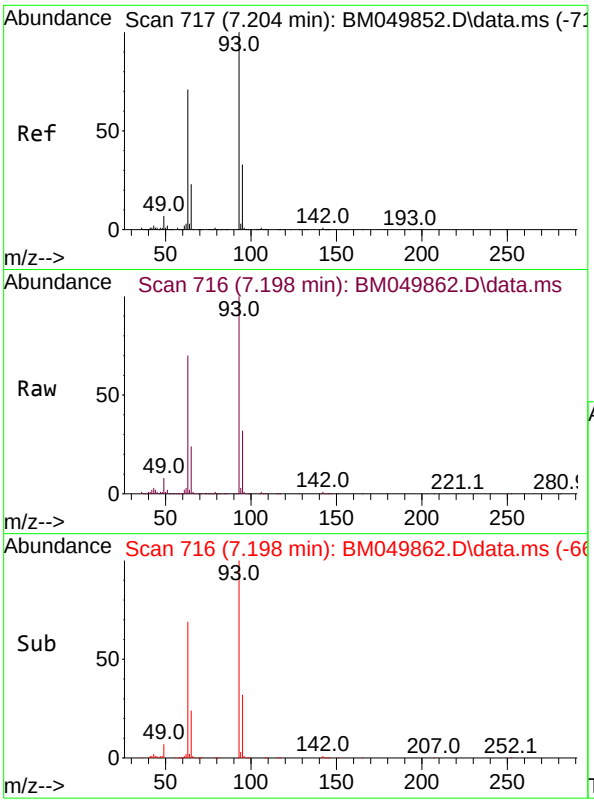


#10
Phenol
Concen: 44.674 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion: 94 Resp: 1070288

Ion	Ratio	Lower	Upper
94	100		
65	26.3	7.3	47.3
66	33.2	14.8	54.8



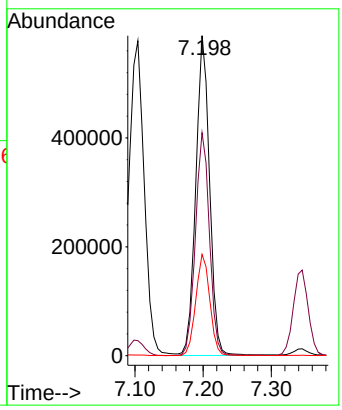


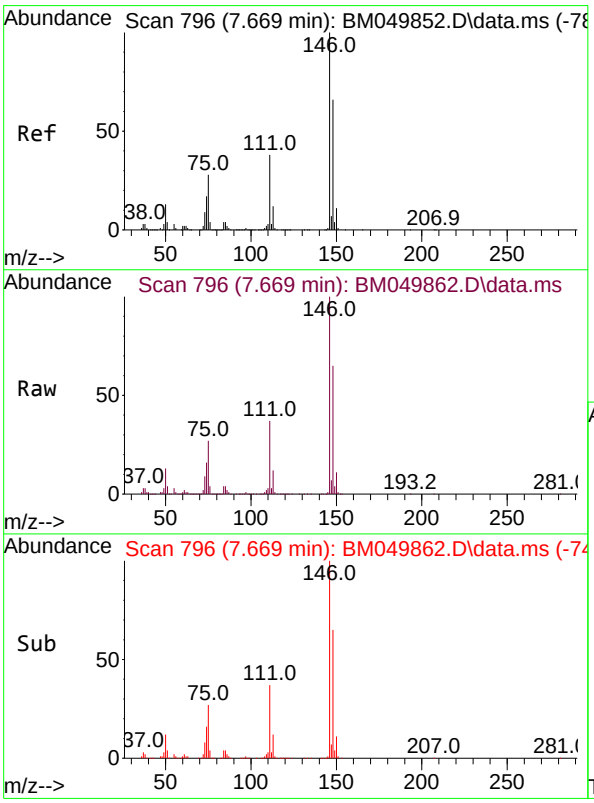
#11
bis(2-Chloroethyl)ether
Concen: 43.899 ng
RT: 7.198 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion: 93 Resp: 824742

Ion	Ratio	Lower	Upper
93	100		
63	69.7	50.9	90.9
95	31.7	12.6	52.6

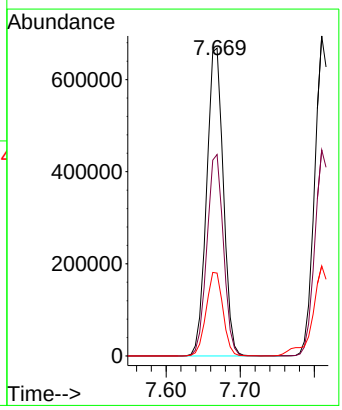


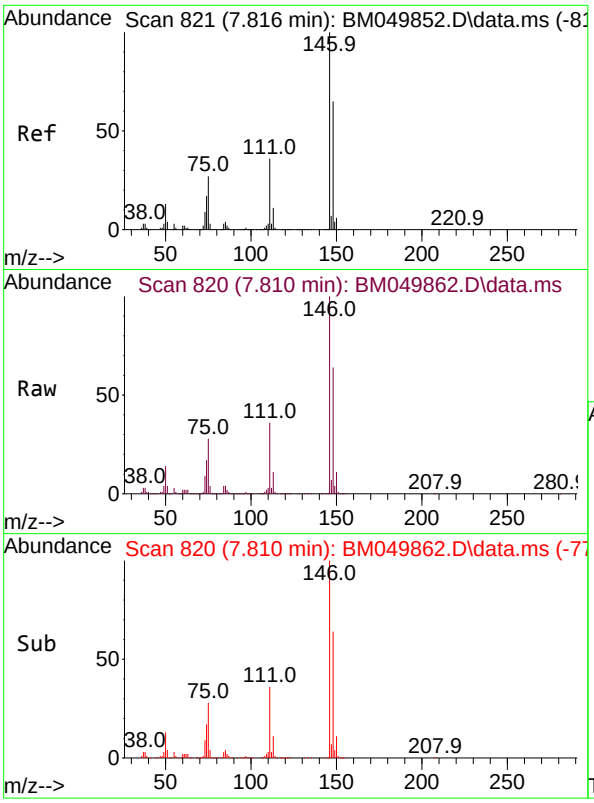


#12
1,3-Dichlorobenzene
Concen: 43.726 ng
RT: 7.669 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:146 Resp: 1045388

Ion	Ratio	Lower	Upper
146	100		
148	65.5	52.5	78.7
75	26.9	22.5	33.7



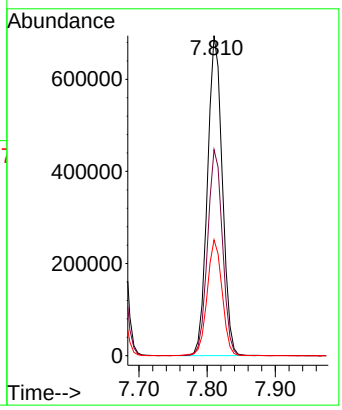


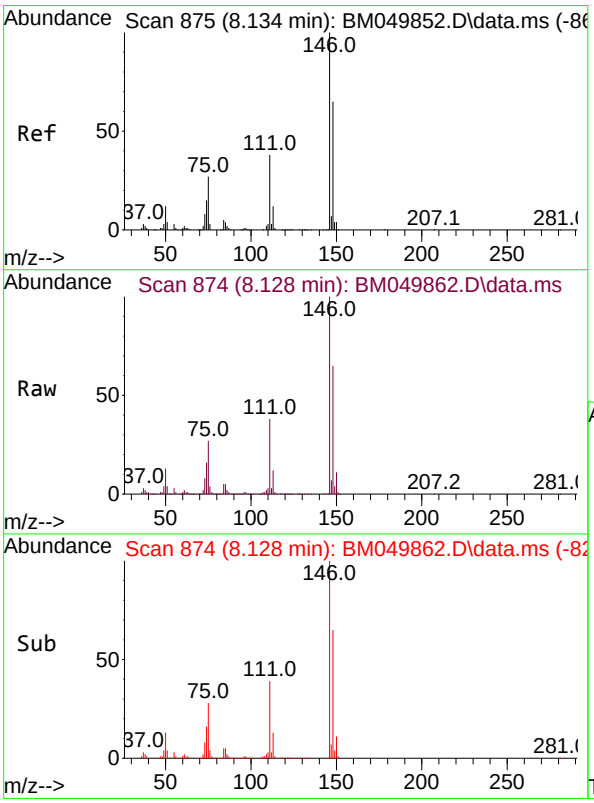
#13
1,4-Dichlorobenzene
Concen: 43.648 ng
RT: 7.810 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:146 Resp: 1050000

Ion	Ratio	Lower	Upper
146	100		
148	64.4	52.4	78.6
111	36.2	28.5	42.7

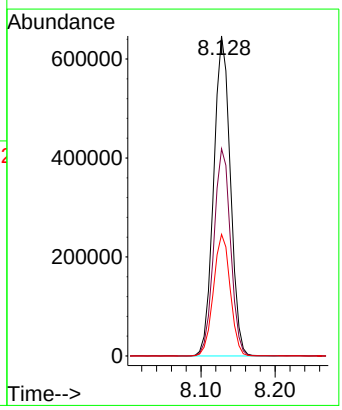


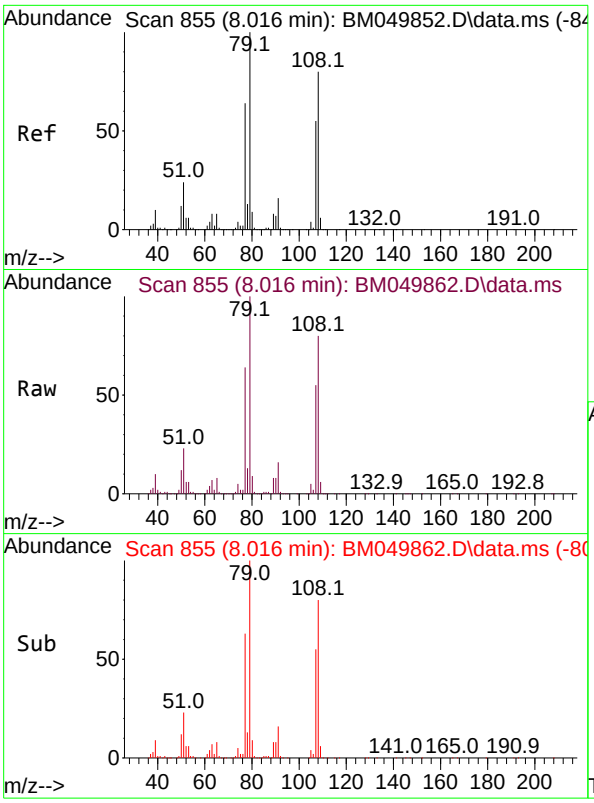


#14
1,2-Dichlorobenzene
Concen: 44.638 ng
RT: 8.128 min Scan# 874
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:146 Resp: 1011408

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.8	77.8
111	38.0	30.2	45.4



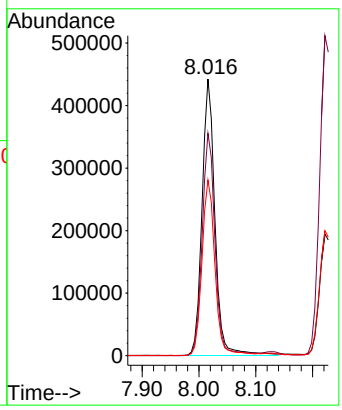


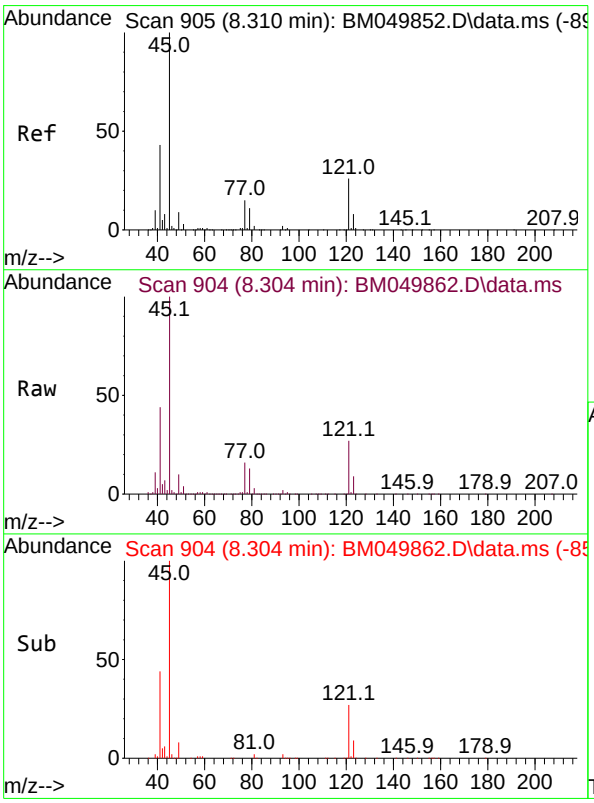
#15
Benzyl Alcohol
Concen: 45.047 ng
RT: 8.016 min Scan# 8
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion: 79 Resp: 696410

Ion	Ratio	Lower	Upper
79	100		
108	80.4	63.6	95.4
77	63.5	51.3	76.9

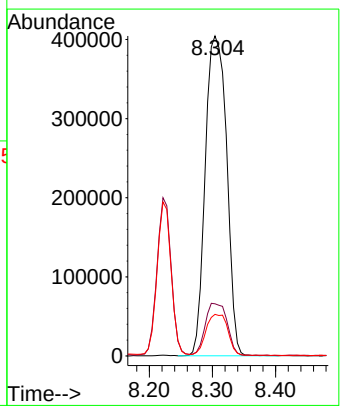


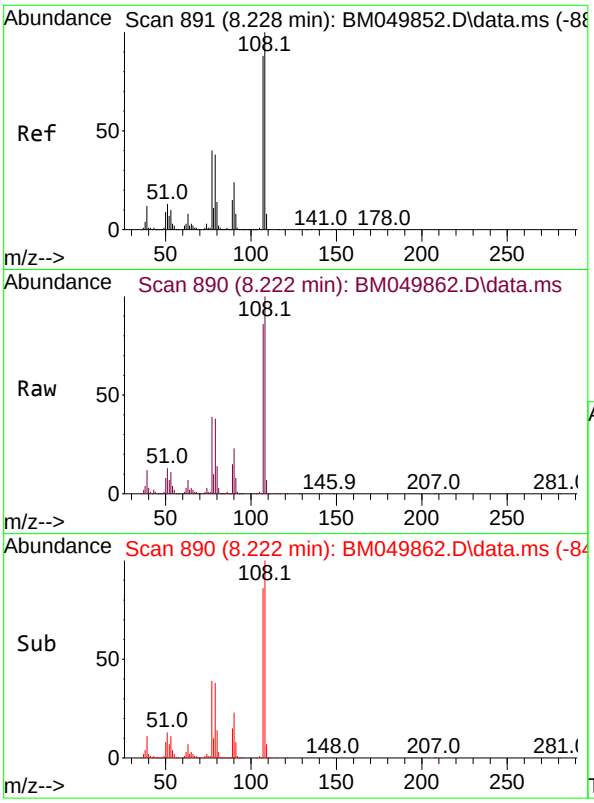


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.456 ng
RT: 8.304 min Scan# 904
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion: 45 Resp: 951860

Ion	Ratio	Lower	Upper
45	100		
77	16.3	0.0	36.9
79	13.0	0.0	32.9



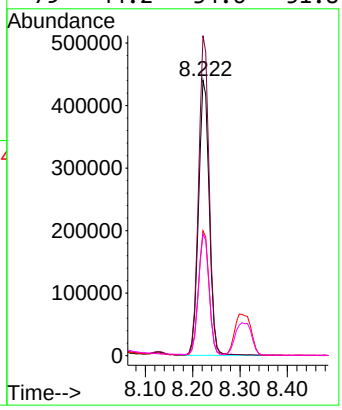


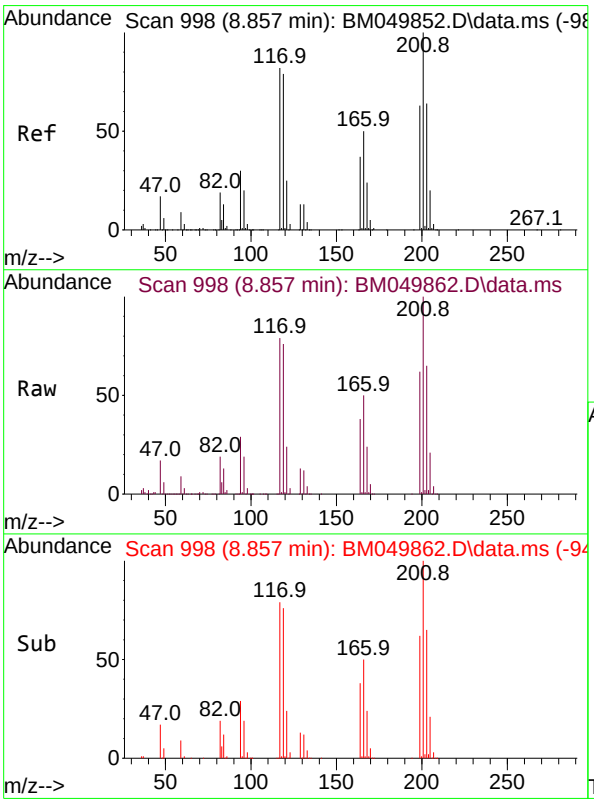
#17
2-Methylphenol
Concen: 46.576 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:107 Resp: 687637

Ion	Ratio	Lower	Upper
107	100		
108	116.2	91.0	136.6
77	45.4	36.5	54.7
79	44.2	34.6	51.8

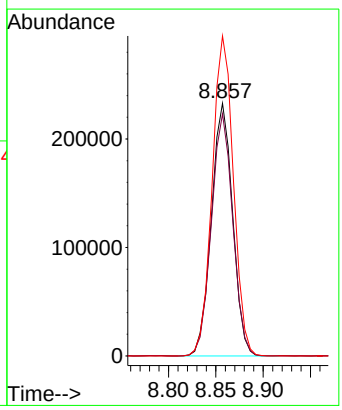


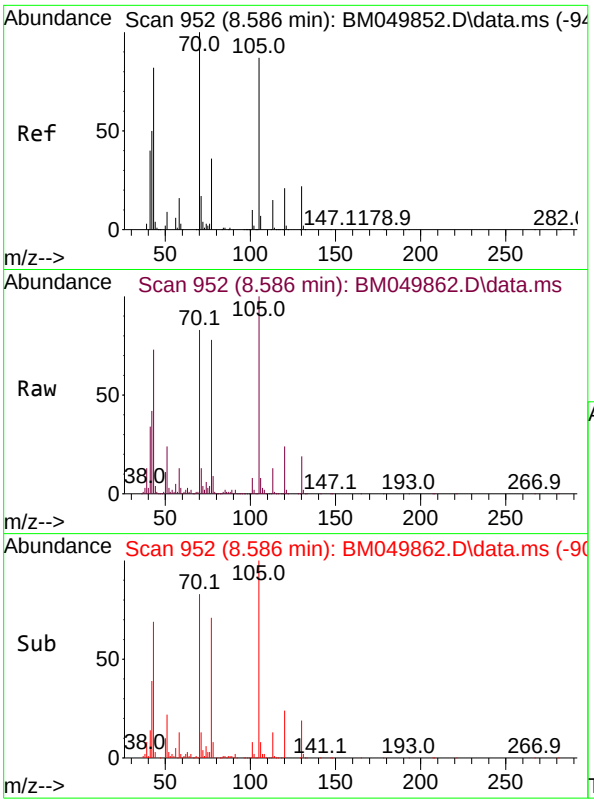


#18
Hexachloroethane
Concen: 43.436 ng
RT: 8.857 min Scan# 998
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:117 Resp: 363531

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.5	116.3
201	126.6	97.7	146.5



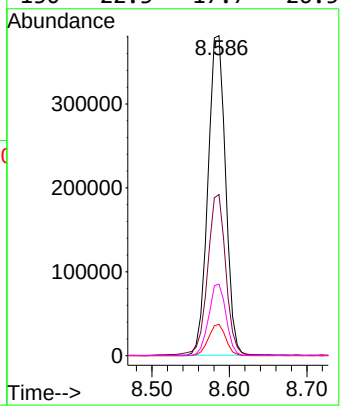


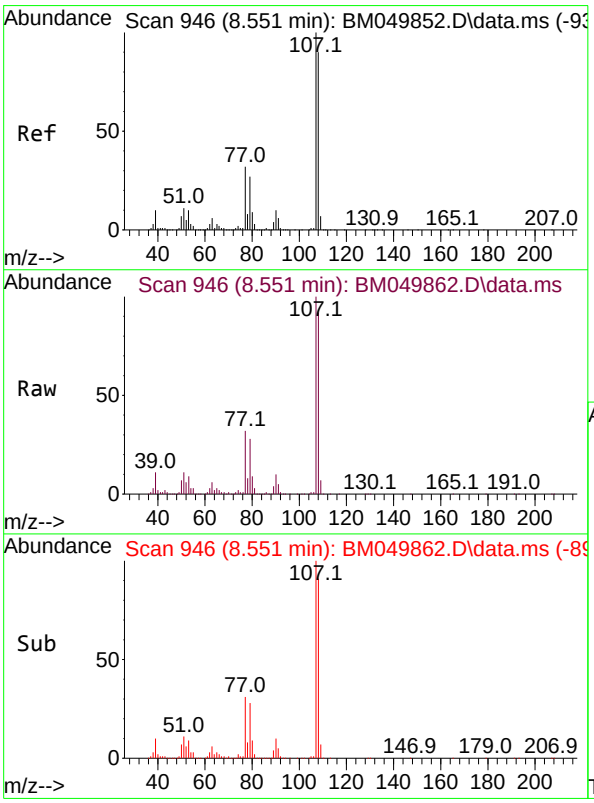
#19
n-Nitroso-di-n-propylamine
Concen: 44.125 ng
RT: 8.586 min Scan# 9
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion: 70 Resp: 599988

Ion	Ratio	Lower	Upper
70	100		
42	50.3	40.2	60.2
101	9.8	7.9	11.9
130	22.3	17.7	26.5

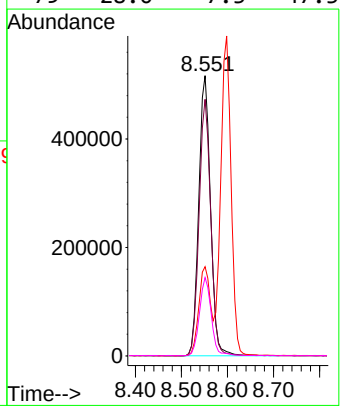


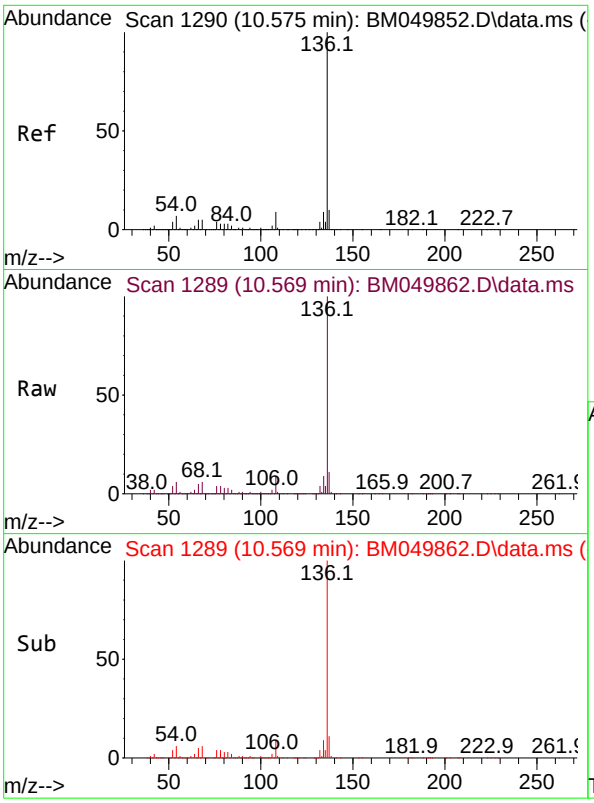


#20
3+4-Methylphenols
Concen: 45.707 ng
RT: 8.551 min Scan# 946
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:107 Resp: 919992

Ion	Ratio	Lower	Upper
107	100		
108	91.6	69.6	109.6
77	31.8	11.7	51.7
79	28.0	7.3	47.3



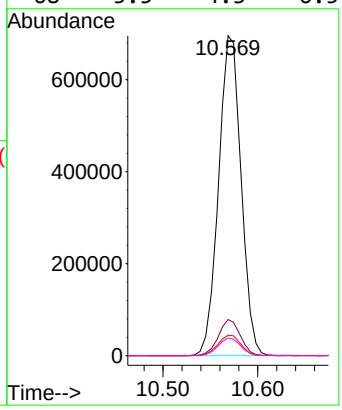


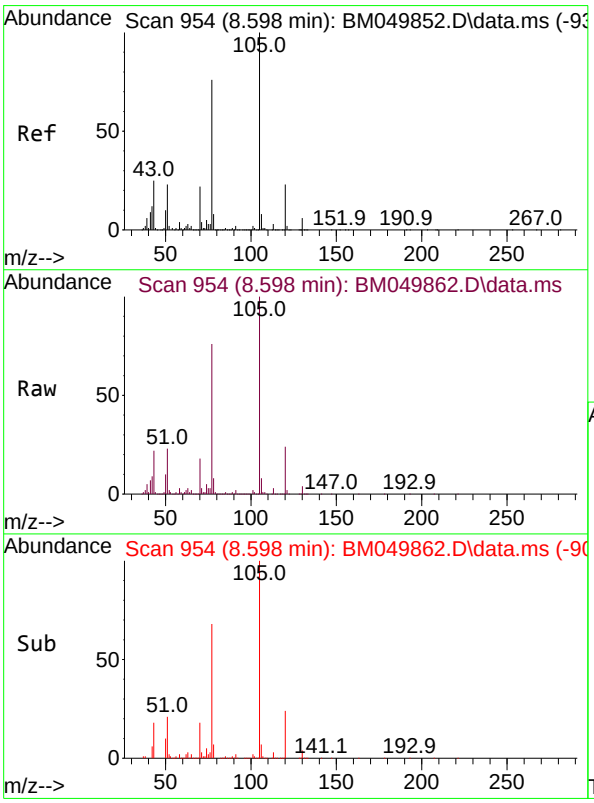
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.569 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:136 Resp: 1150025

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	6.4	5.3	7.9
68	5.5	4.3	6.5

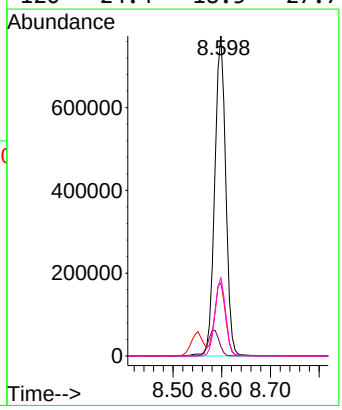


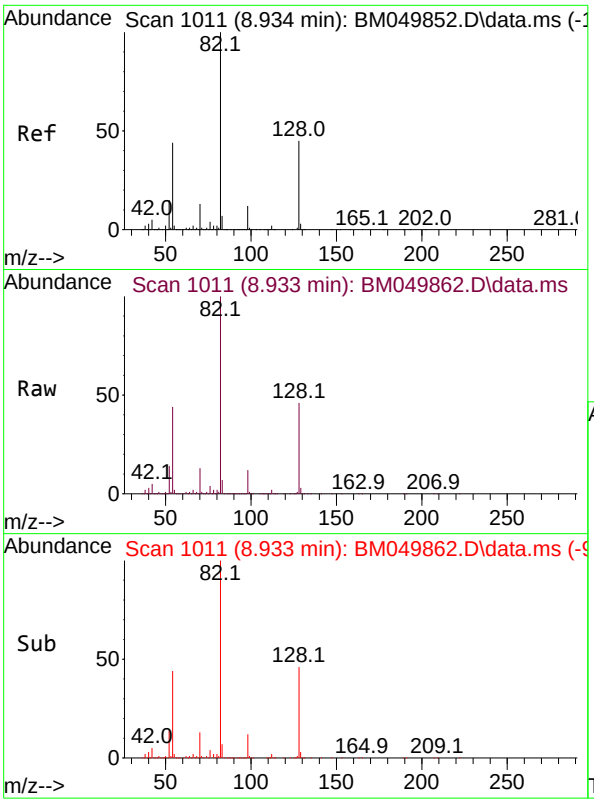


#22
Acetophenone
Concen: 43.337 ng
RT: 8.598 min Scan# 954
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:105 Resp: 1211222

Ion	Ratio	Lower	Upper
105	100		
71	2.9	3.0	4.4#
51	22.8	18.6	27.8
120	24.4	18.5	27.7



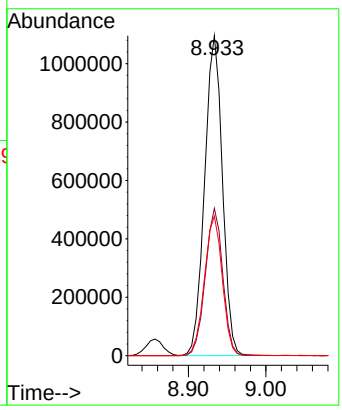


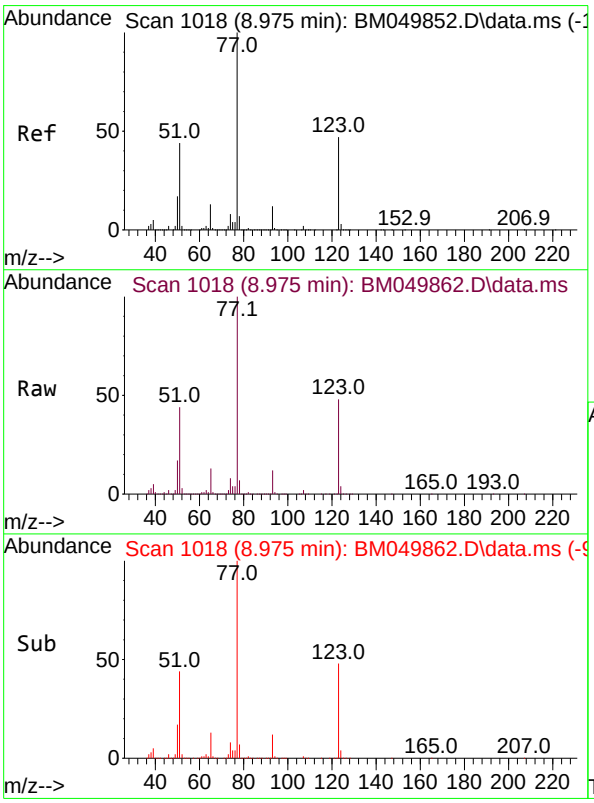
#23
Nitrobenzene-d5
Concen: 84.499 ng
RT: 8.933 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion: 82 Resp: 1745095

Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.2	54.2
54	43.6	35.0	52.6

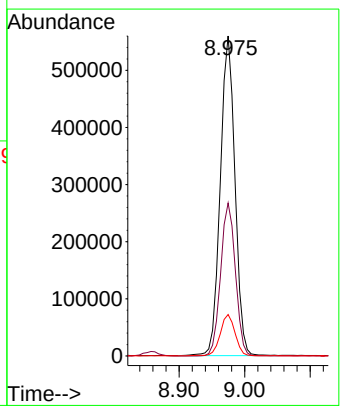


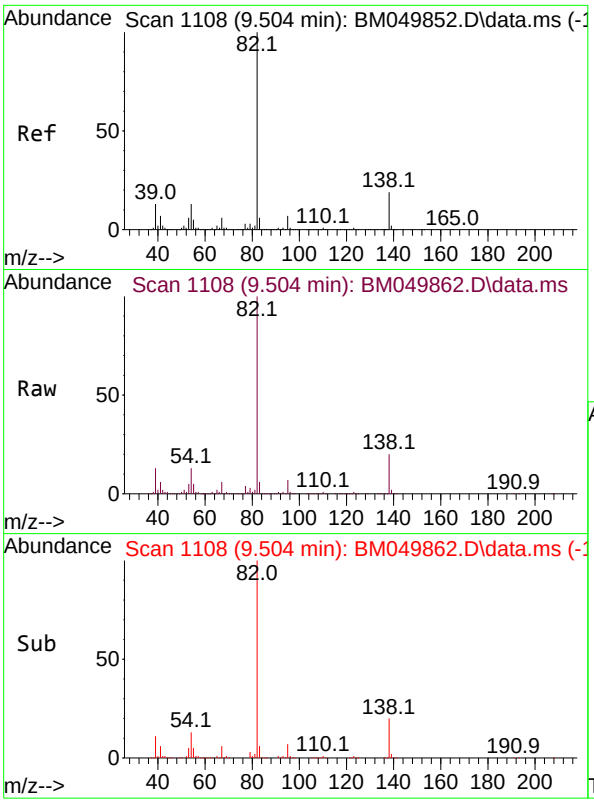


#24
Nitrobenzene
Concen: 43.583 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion: 77 Resp: 866706

Ion	Ratio	Lower	Upper
77	100		
123	47.8	37.4	56.2
65	13.0	10.1	15.1



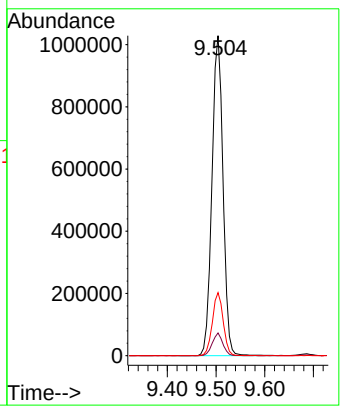


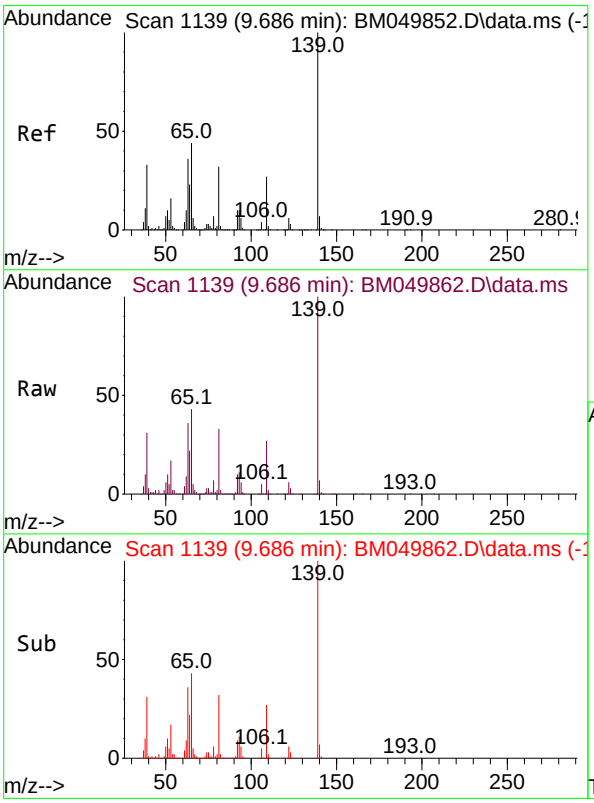
#25
Isophorone
Concen: 46.675 ng
RT: 9.504 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion: 82 Resp: 1614808

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.4	8.2
138	19.7	15.0	22.6

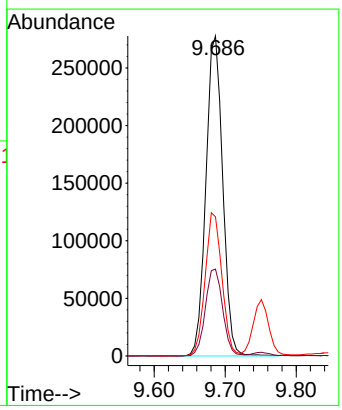


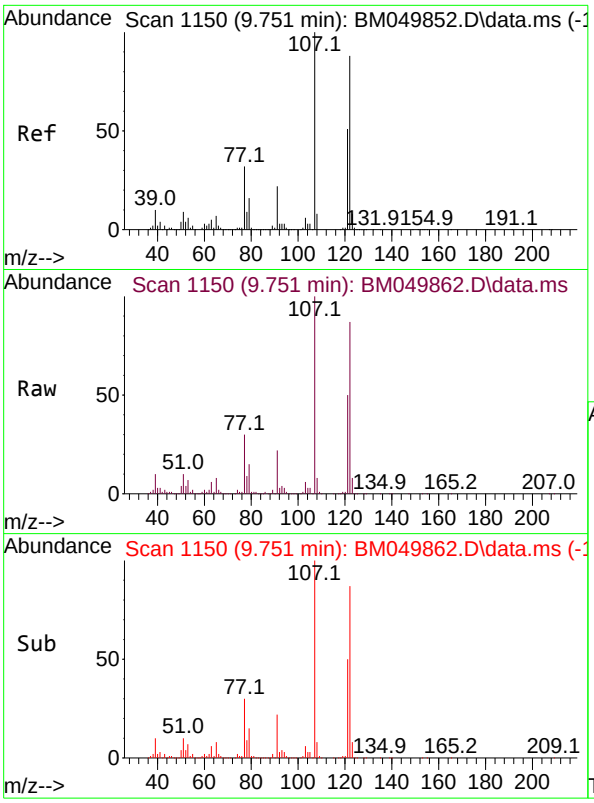


#26
2-Nitrophenol
Concen: 43.383 ng
RT: 9.686 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:139 Resp: 457262

Ion	Ratio	Lower	Upper
139	100		
109	27.2	21.7	32.5
65	43.5	35.2	52.8



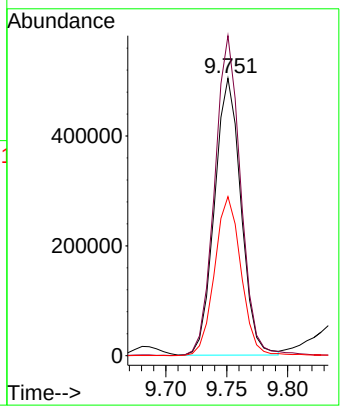


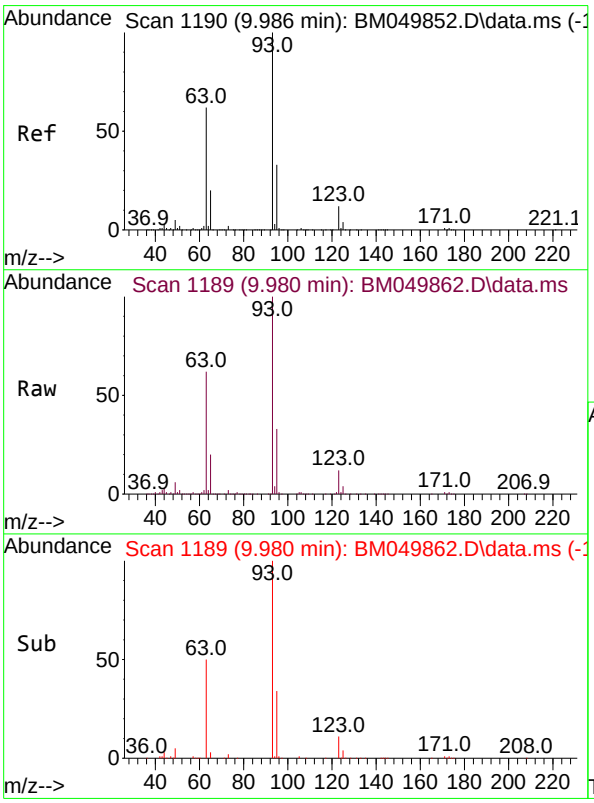
#27
2,4-Dimethylphenol
Concen: 63.887 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:122 Resp: 763120

Ion	Ratio	Lower	Upper
122	100		
107	115.3	90.3	135.5
121	57.3	46.1	69.1

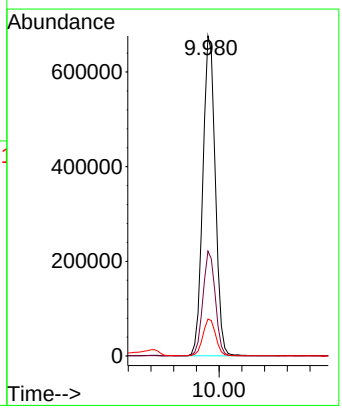


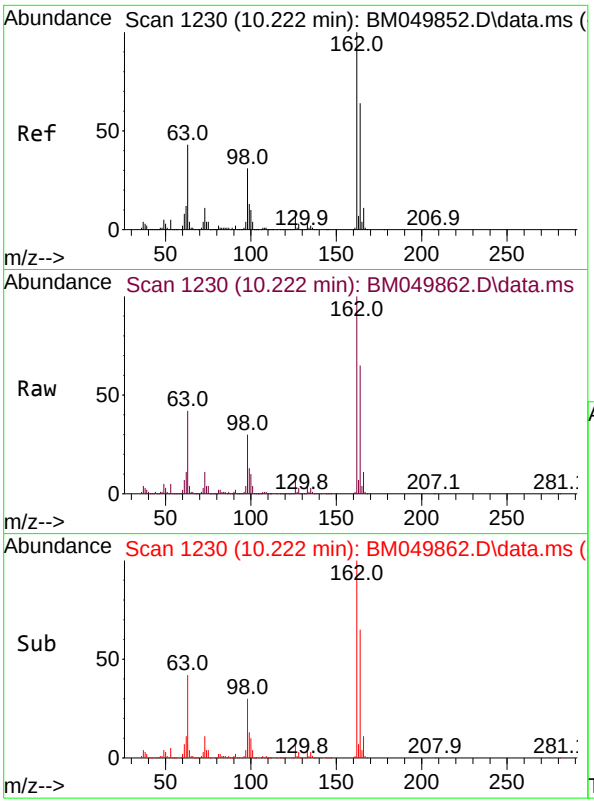


#28
bis(2-Chloroethoxy)methane
Concen: 44.319 ng
RT: 9.980 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion: 93 Resp: 1026510

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.6	40.0
123	11.5	9.5	14.3



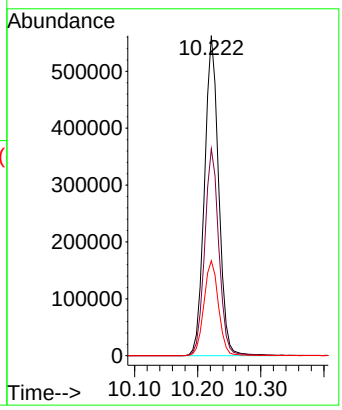


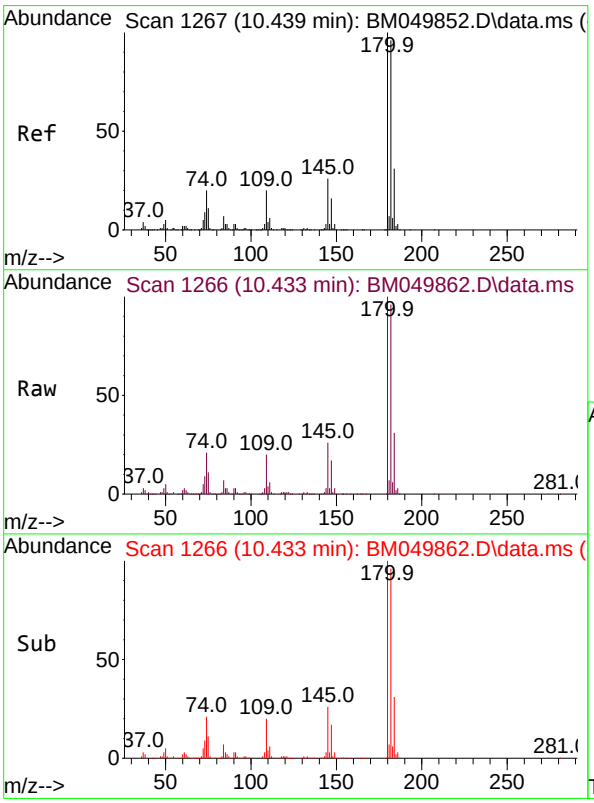
#29
2,4-Dichlorophenol
Concen: 44.304 ng
RT: 10.222 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:162 Resp: 879670

Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.3	84.3
98	29.6	10.9	50.9

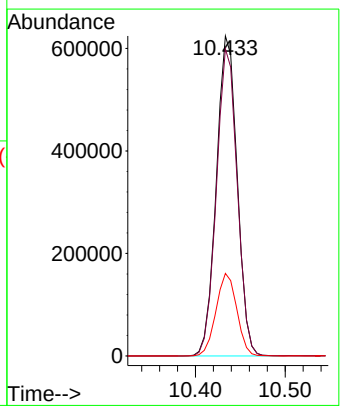


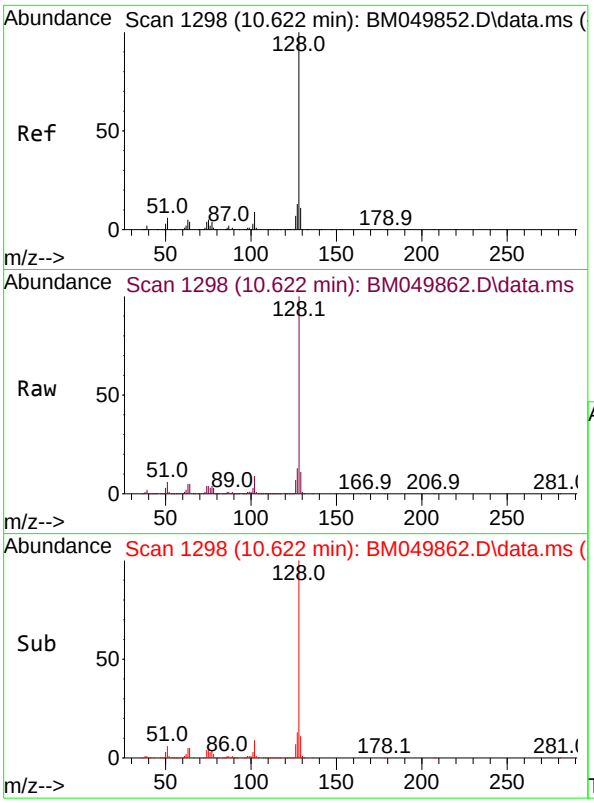


#30
1,2,4-Trichlorobenzene
Concen: 43.849 ng
RT: 10.433 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:180 Resp: 1007214

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.7	115.1
145	25.8	20.8	31.2



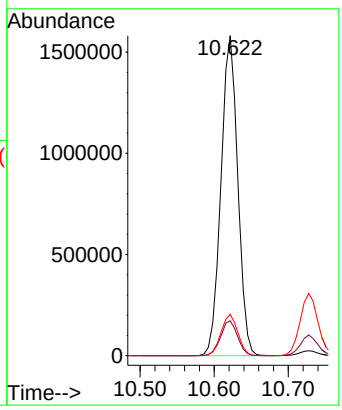


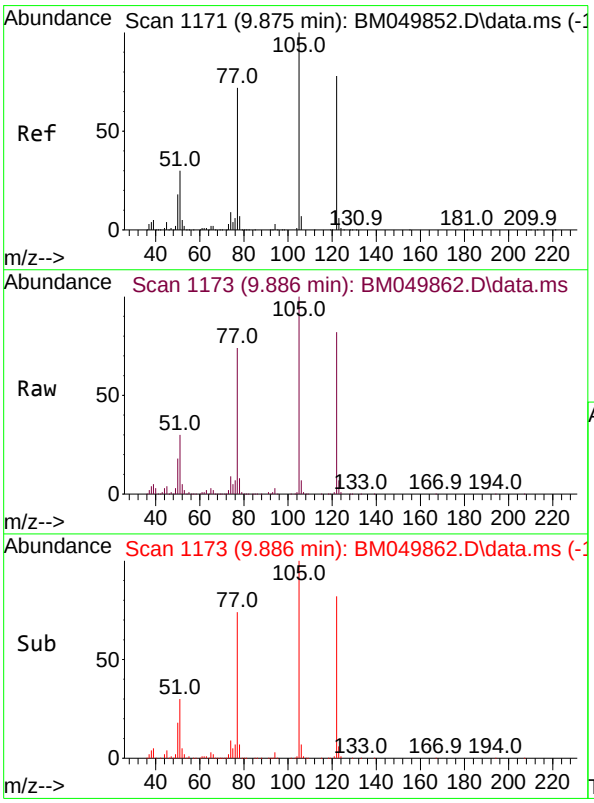
#31
Naphthalene
Concen: 42.098 ng
RT: 10.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:128 Resp: 2487681

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	12.9	10.6	15.8

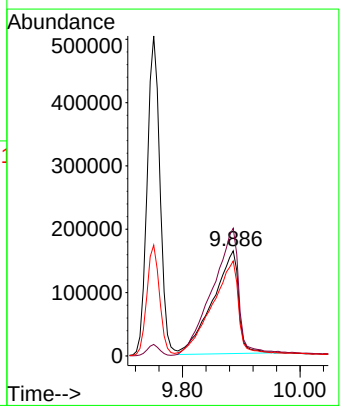


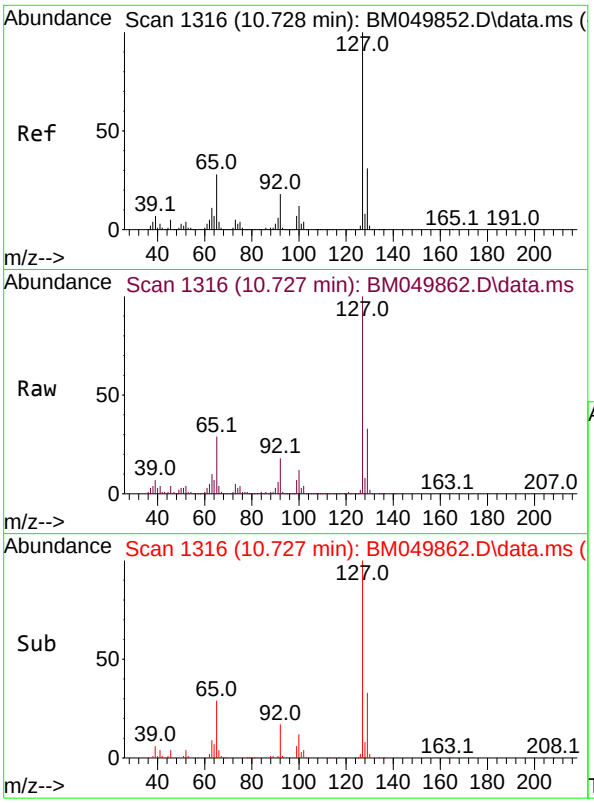


#32
Benzoic acid
Concen: 36.330 ng
RT: 9.886 min Scan# 1173
Delta R.T. 0.011 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:122 Resp: 500509

Ion	Ratio	Lower	Upper
122	100		
105	121.5	103.8	143.8
77	90.5	70.7	110.7



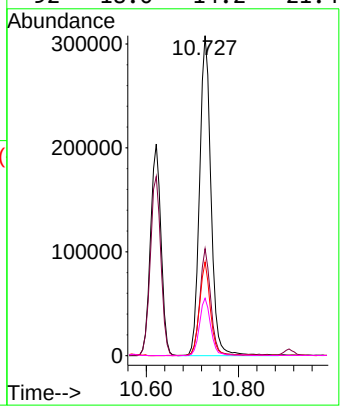


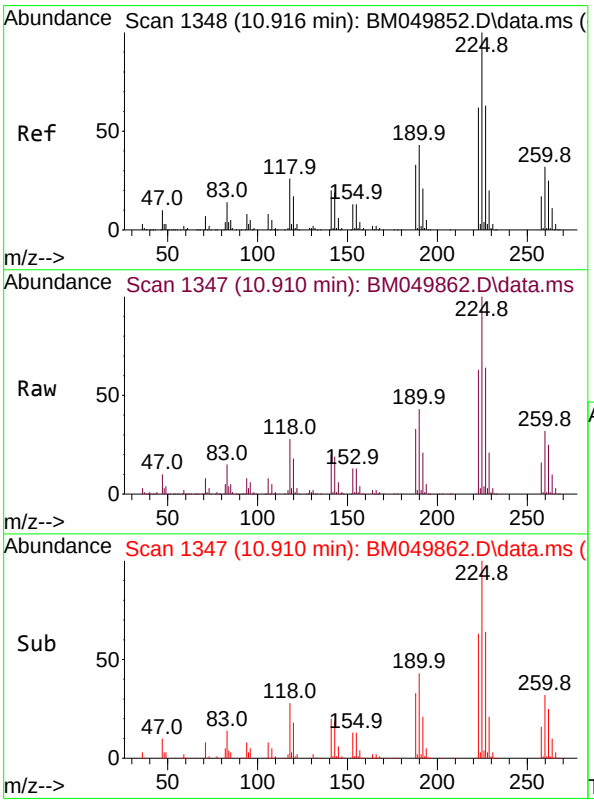
#33
4-Chloroaniline
Concen: 25.540 ng
RT: 10.727 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:127 Resp: 532920

Ion	Ratio	Lower	Upper
127	100		
129	33.5	24.9	37.3
65	29.3	22.4	33.6
92	18.0	14.2	21.4

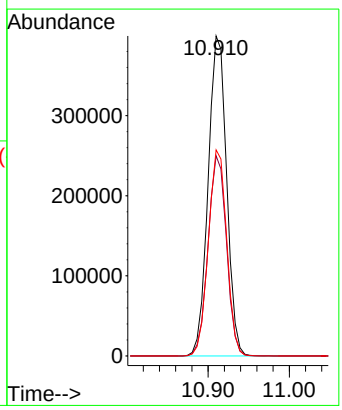


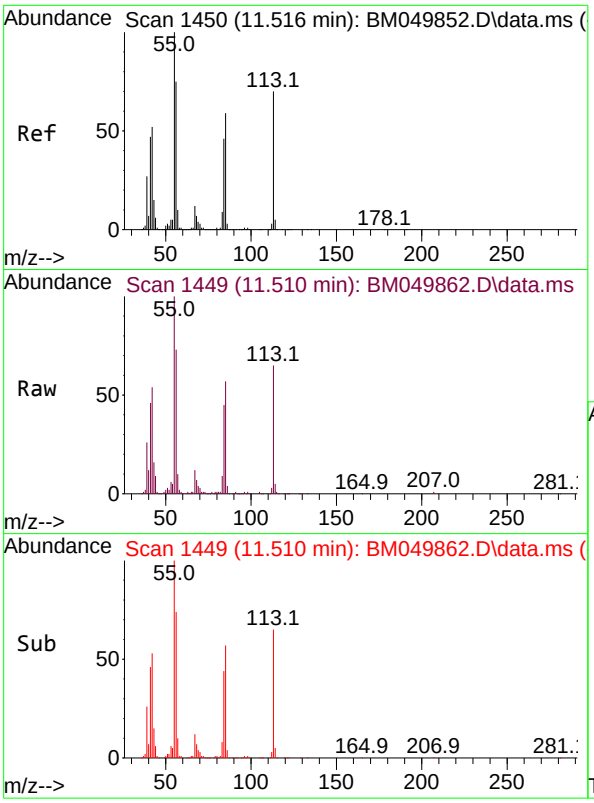


#34
Hexachlorobutadiene
Concen: 44.327 ng
RT: 10.910 min Scan# 1347
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:225 Resp: 629806

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.4	74.2
227	64.4	50.1	75.1



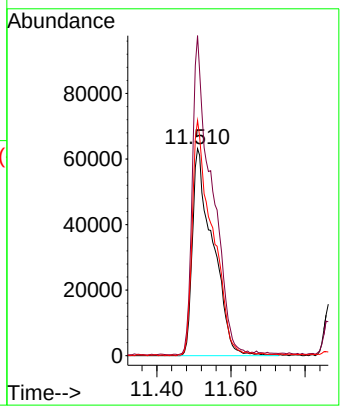


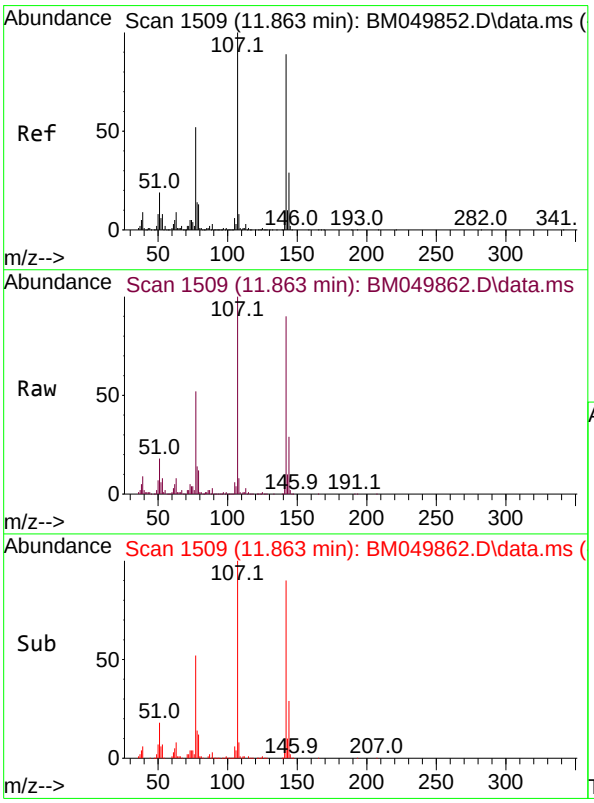
#35
Caprolactam
Concen: 42.195 ng
RT: 11.510 min Scan# 14
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:113 Resp: 240290

Ion	Ratio	Lower	Upper
113	100		
55	154.5	124.3	164.3
56	113.6	87.5	127.5

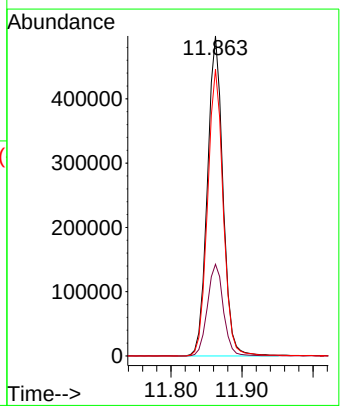


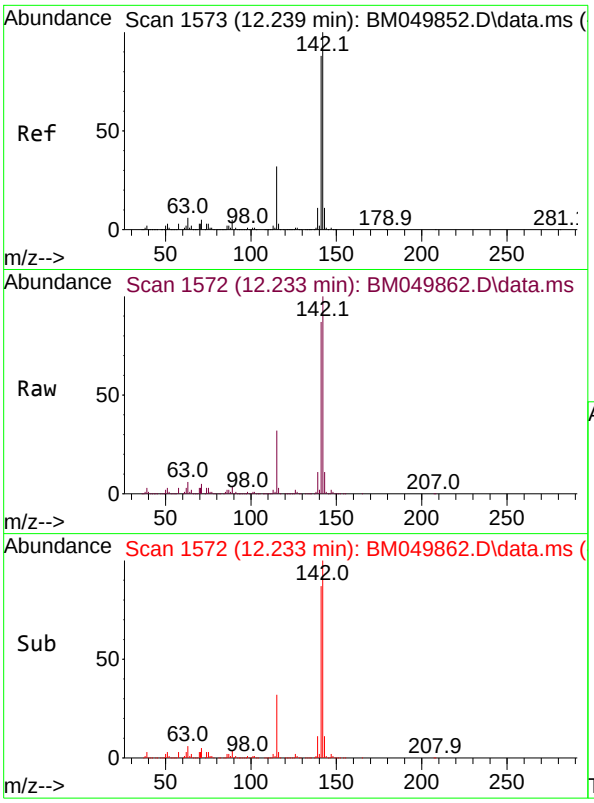


#36
4-Chloro-3-methylphenol
Concen: 43.671 ng
RT: 11.863 min Scan# 1509
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:107 Resp: 759543

Ion	Ratio	Lower	Upper
107	100		
144	28.7	23.6	35.4
142	89.6	71.4	107.0



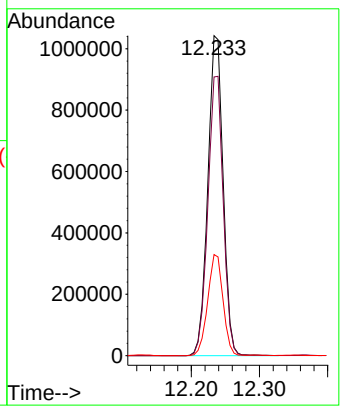


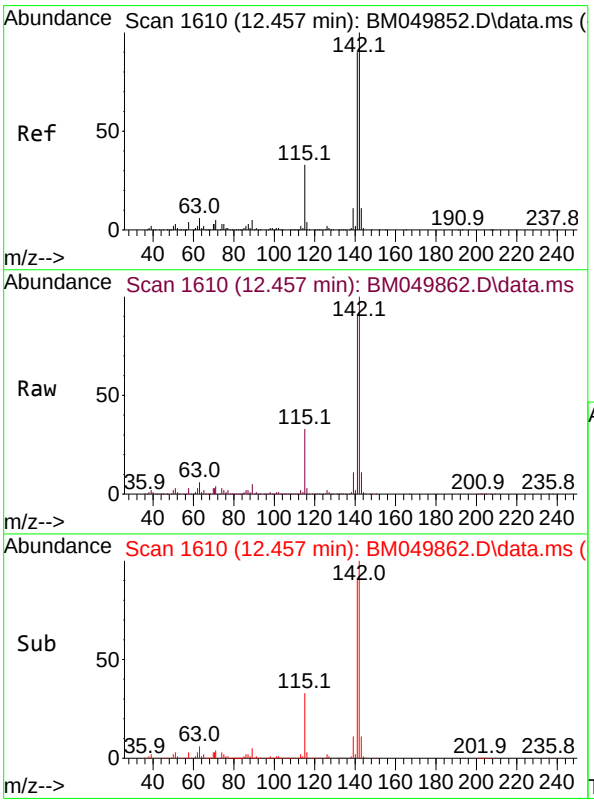
#37
2-Methylnaphthalene
Concen: 39.104 ng
RT: 12.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:142 Resp: 1628063

Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.2	105.2
115	31.6	25.4	38.2

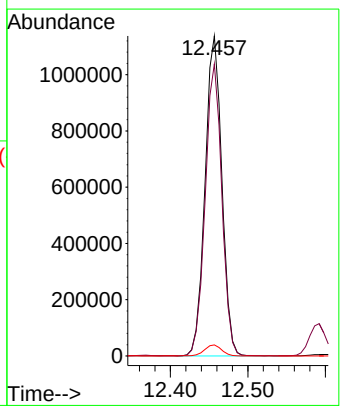


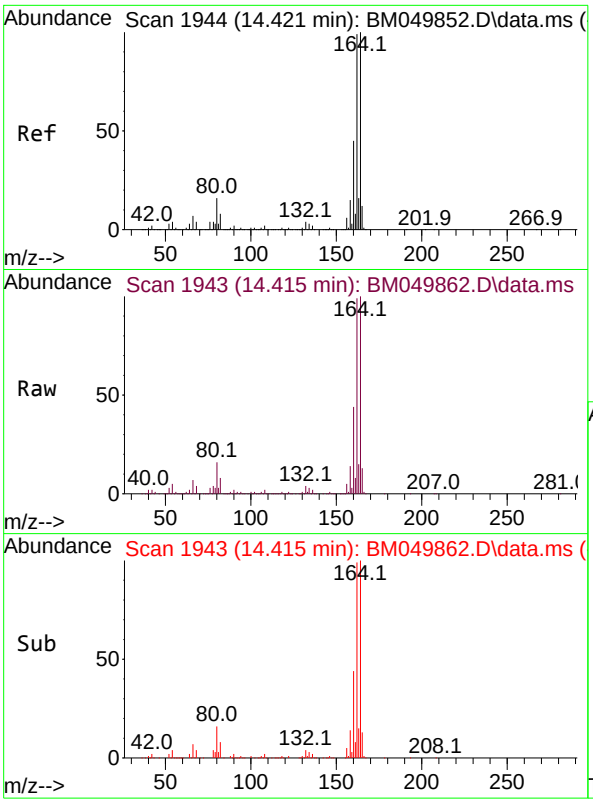


#38
1-Methylnaphthalene
Concen: 42.118 ng
RT: 12.457 min Scan# 1610
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:142 Resp: 1708396

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.2	108.2
116	3.5	2.9	4.3



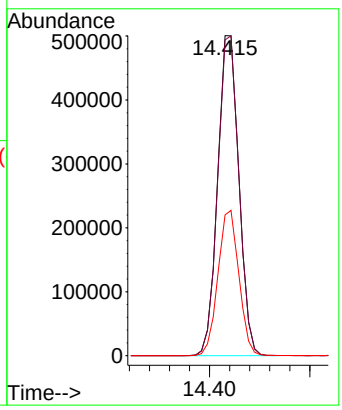


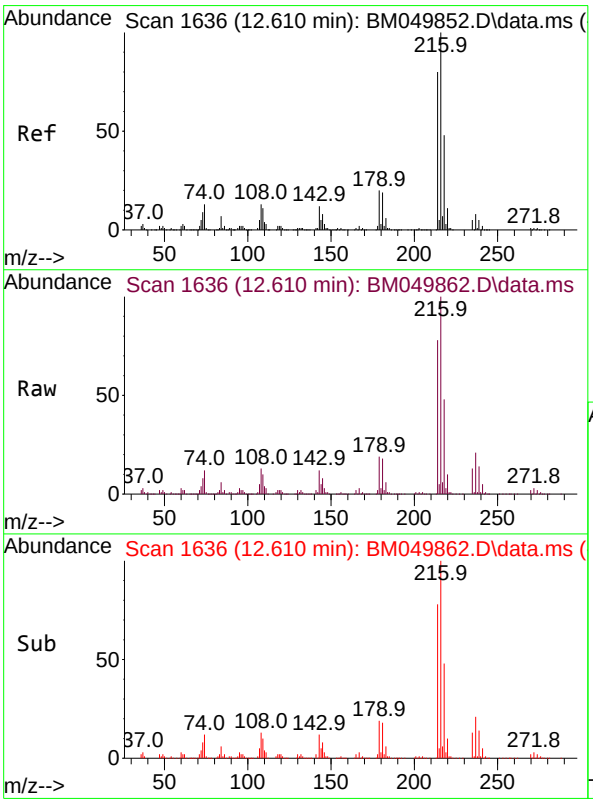
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.415 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:164 Resp: 735598

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.4	119.0
160	44.0	36.2	54.2

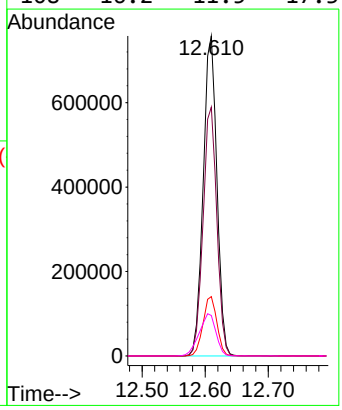


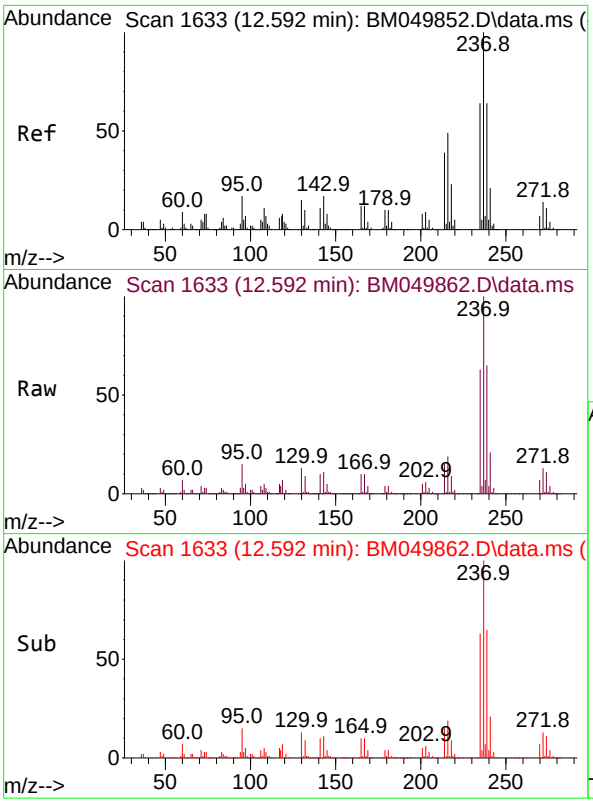


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.368 ng
RT: 12.610 min Scan# 1636
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:216 Resp: 1141788

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.2	94.8
179	18.9	15.8	23.6
108	16.2	11.5	17.3



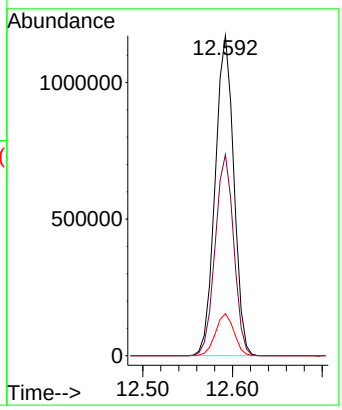


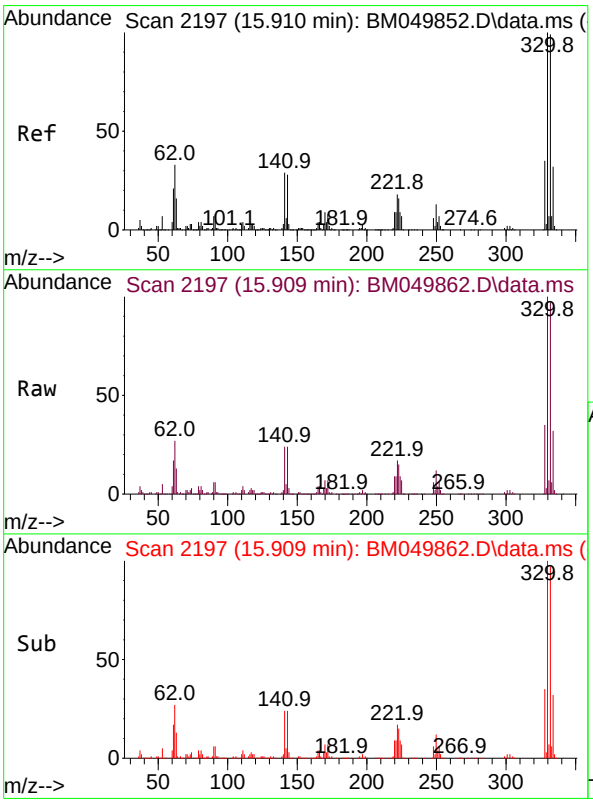
#41
Hexachlorocyclopentadiene
Concen: 187.047 ng
RT: 12.592 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:237 Resp: 1686714

Ion	Ratio	Lower	Upper
237	100		
235	62.8	43.7	83.7
272	13.1	0.0	33.5

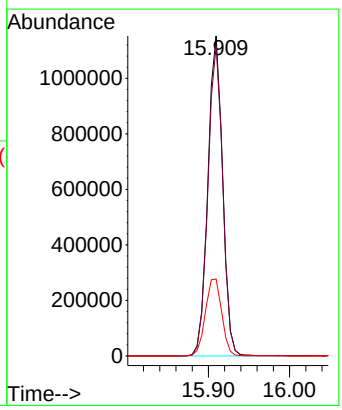


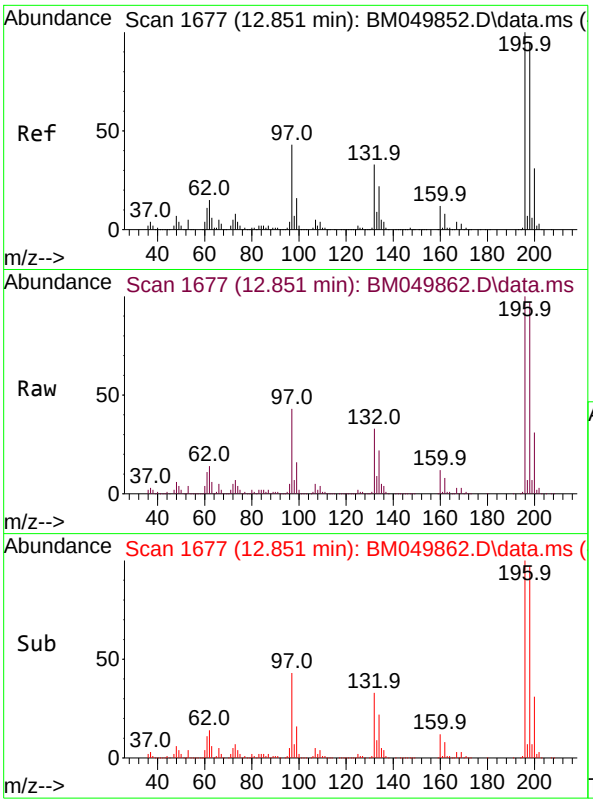


#42
2,4,6-Tribromophenol
Concen: 135.835 ng
RT: 15.909 min Scan# 2197
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:330 Resp: 1453370

Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.0	117.0
141	26.8	23.5	35.3



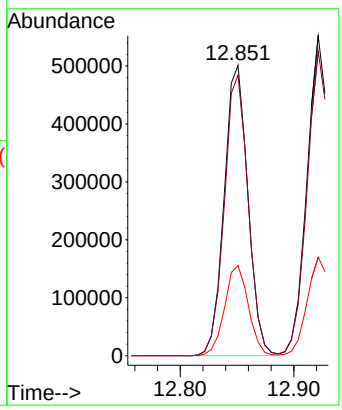


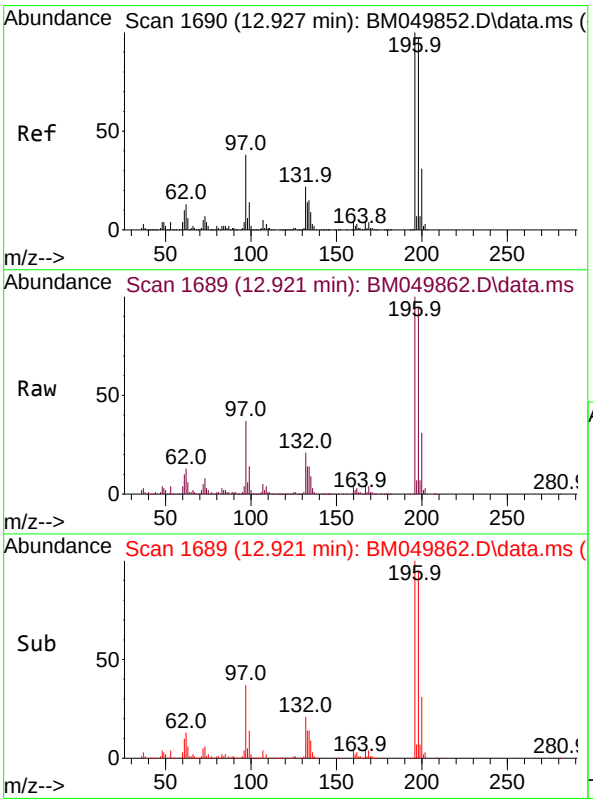
#43
2,4,6-Trichlorophenol
Concen: 44.427 ng
RT: 12.851 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:196 Resp: 727525

Ion	Ratio	Lower	Upper
196	100		
198	96.6	76.1	114.1
200	31.0	24.7	37.1

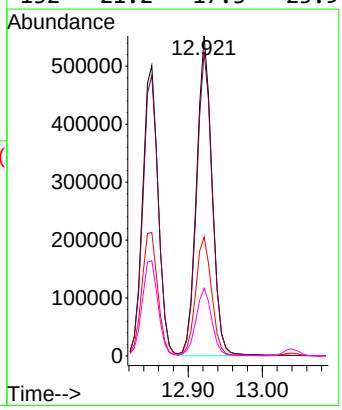


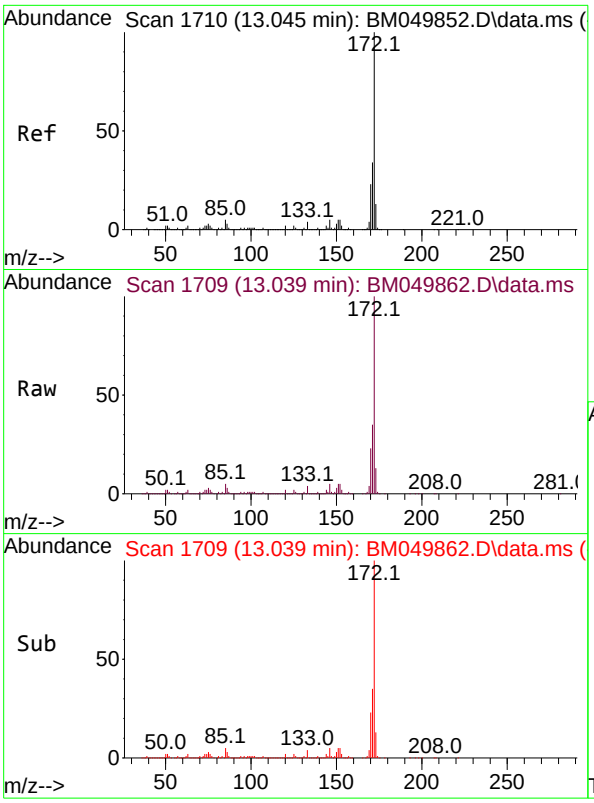


#44
2,4,5-Trichlorophenol
Concen: 45.042 ng
RT: 12.921 min Scan# 1689
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:196 Resp: 801550

Ion	Ratio	Lower	Upper
196	100		
198	95.1	77.7	116.5
97	37.1	30.3	45.5
132	21.2	17.3	25.9



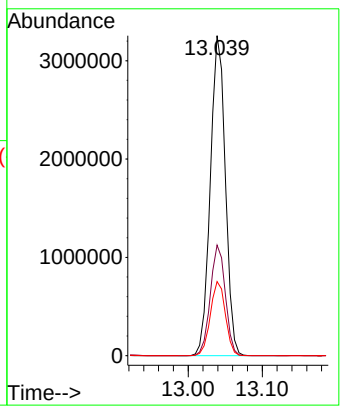


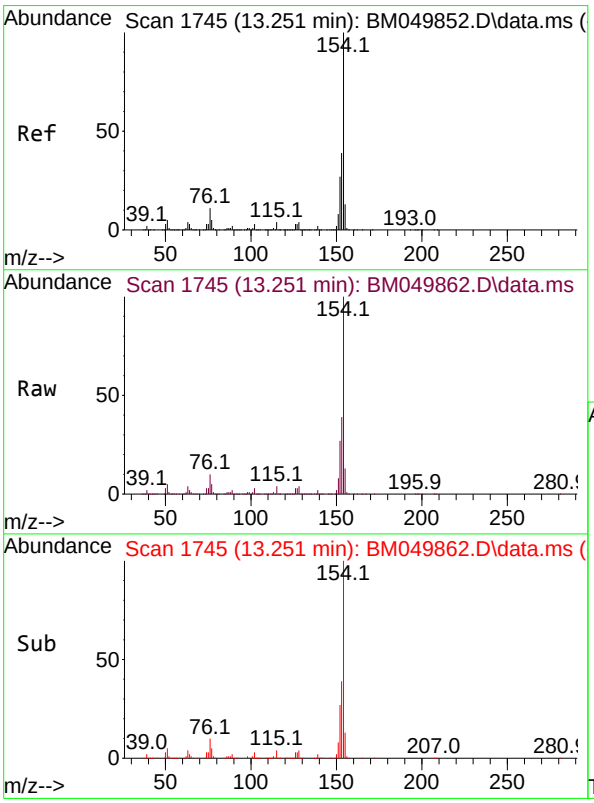
#45
2-Fluorobiphenyl
Concen: 84.430 ng
RT: 13.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:172 Resp: 4580069

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.2
170	23.2	18.6	28.0

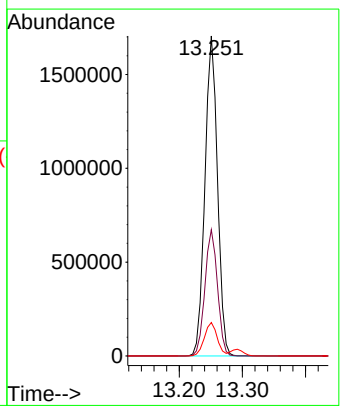


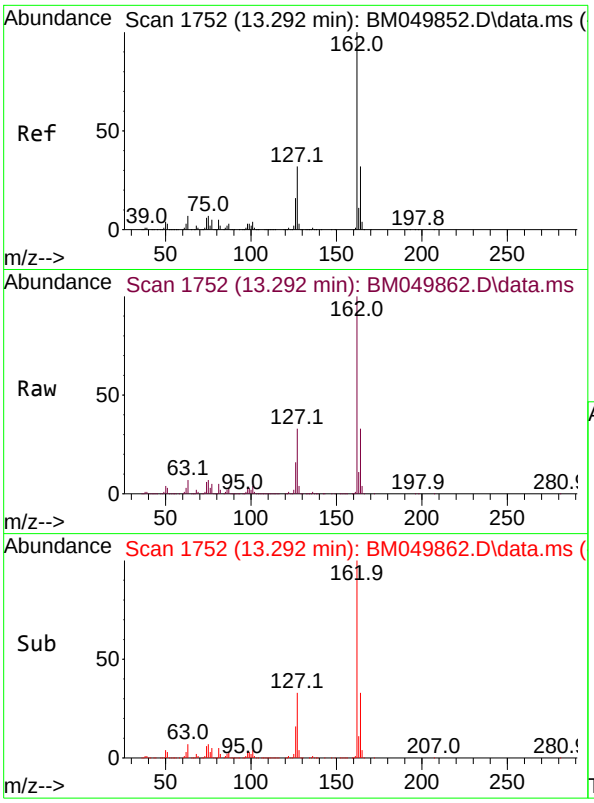


#46
1,1'-Biphenyl
Concen: 43.130 ng
RT: 13.251 min Scan# 1745
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:154 Resp: 2358457

Ion	Ratio	Lower	Upper
154	100		
153	39.4	19.3	59.3
76	10.5	0.0	30.7



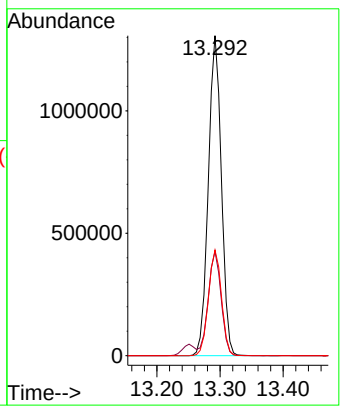


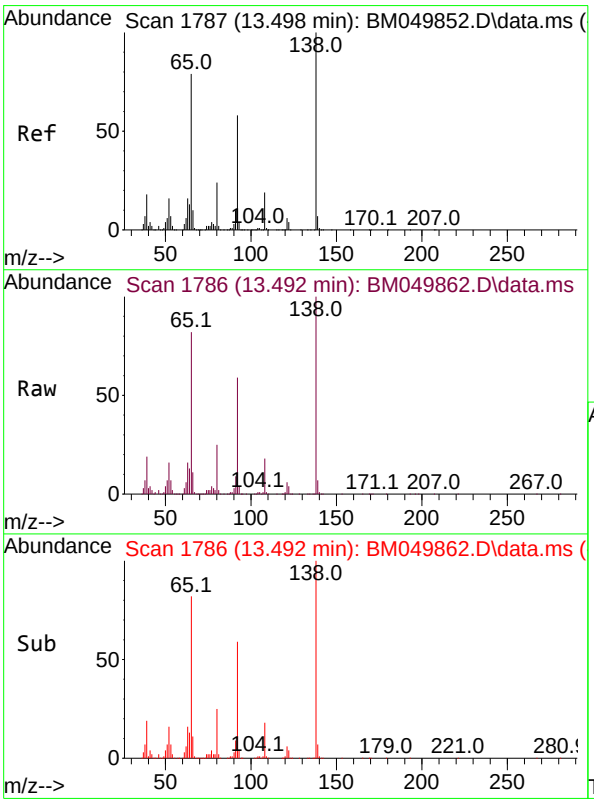
#47
2-Chloronaphthalene
Concen: 43.626 ng
RT: 13.292 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:162 Resp: 1874993

Ion	Ratio	Lower	Upper
162	100		
127	32.6	26.0	39.0
164	33.0	25.9	38.9

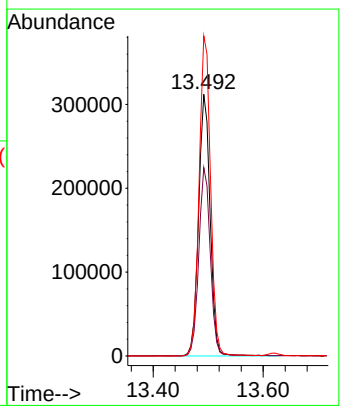


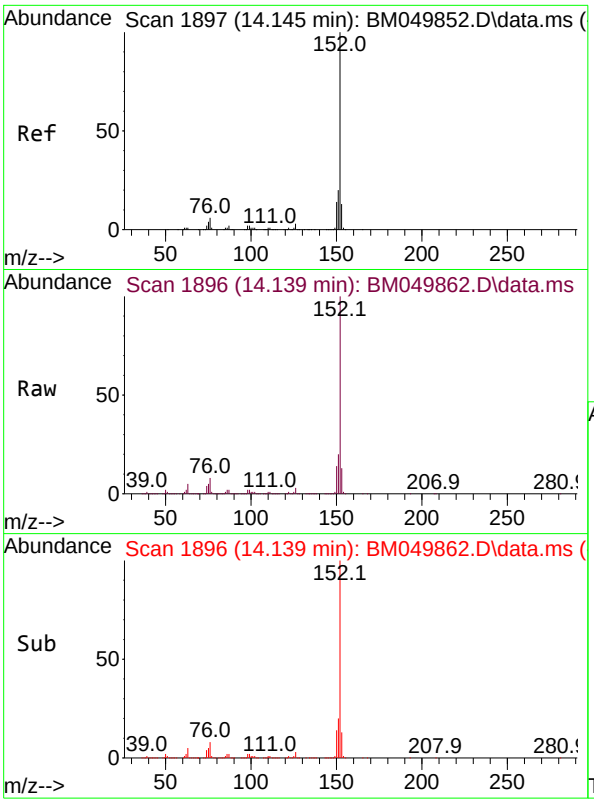


#48
2-Nitroaniline
Concen: 45.900 ng
RT: 13.492 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion: 65 Resp: 456388

Ion	Ratio	Lower	Upper
65	100		
92	72.0	58.4	87.6
138	122.3	100.8	151.2



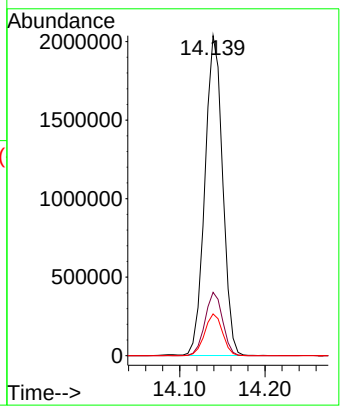


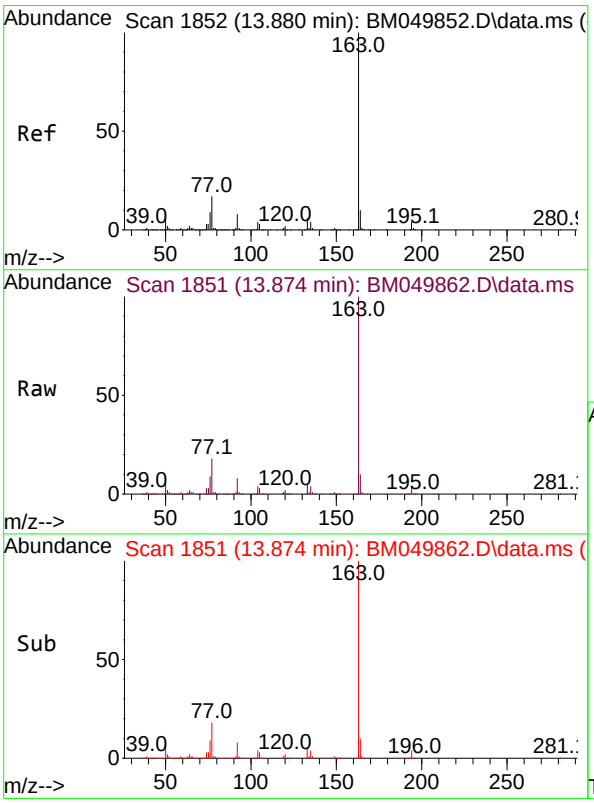
#49
Acenaphthylene
Concen: 47.005 ng
RT: 14.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:152 Resp: 2942784

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.0	10.4	15.6

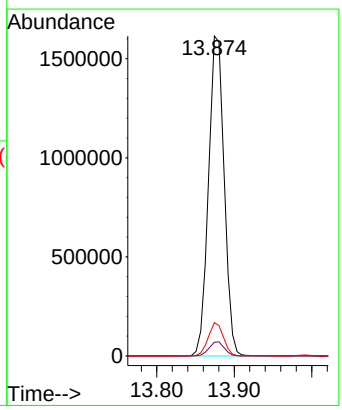


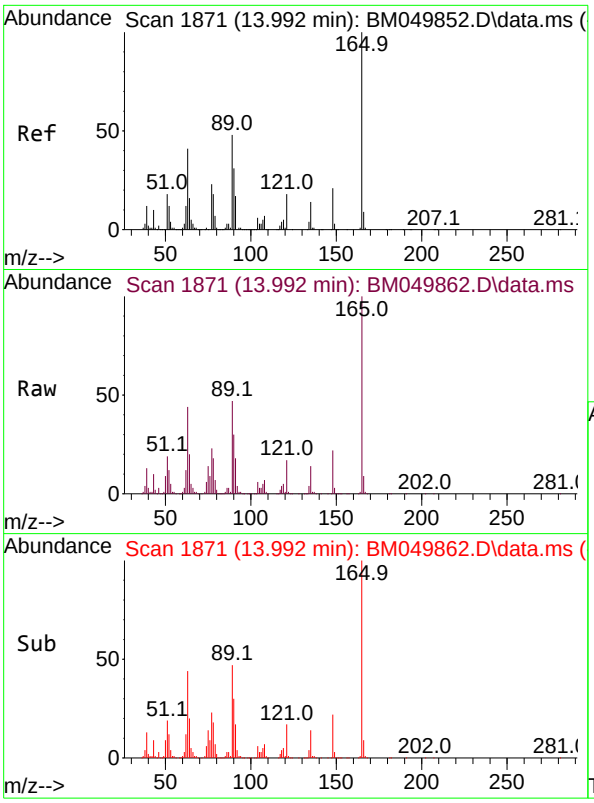


#50
Dimethylphthalate
Concen: 43.798 ng
RT: 13.874 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:163 Resp: 2272895

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.5	5.3
164	10.4	7.9	11.9



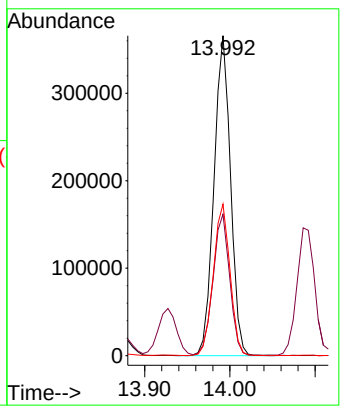


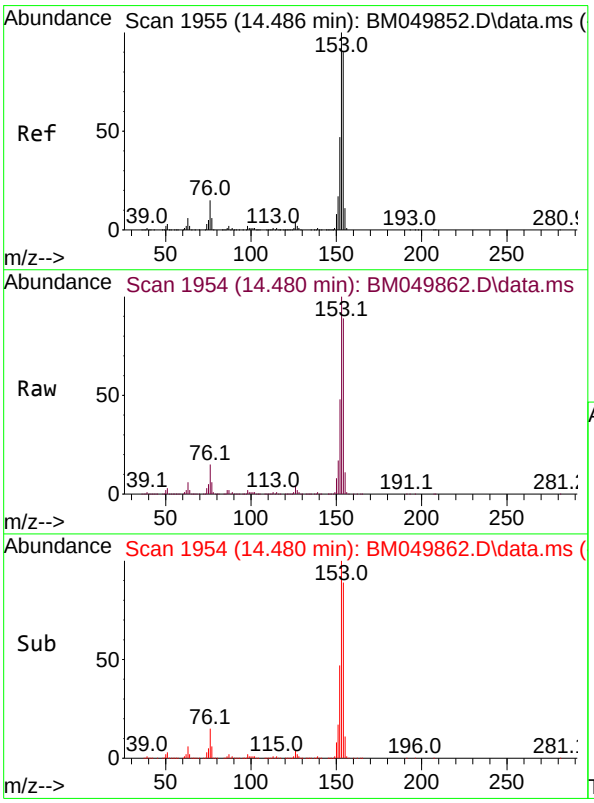
#51
2,6-Dinitrotoluene
Concen: 45.417 ng
RT: 13.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:165 Resp: 493805

Ion	Ratio	Lower	Upper
165	100		
63	44.2	36.1	54.1
89	47.4	38.3	57.5

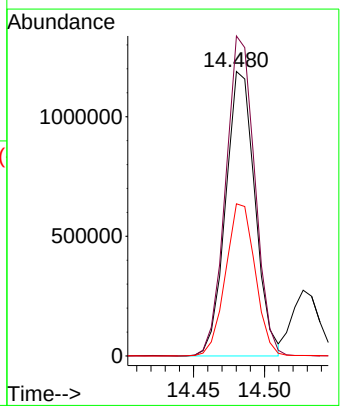


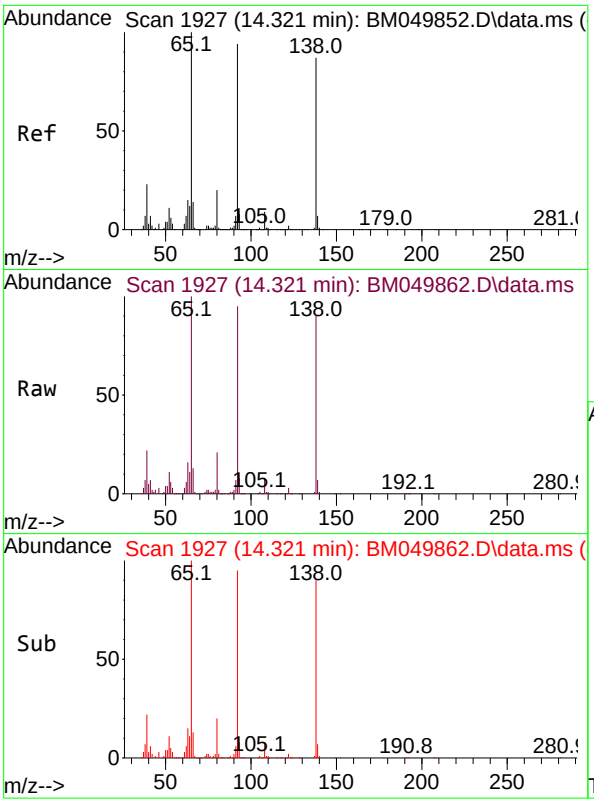


#52
Acenaphthene
Concen: 42.938 ng
RT: 14.480 min Scan# 1954
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:154 Resp: 1709875

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.3	133.9
152	53.5	42.2	63.2



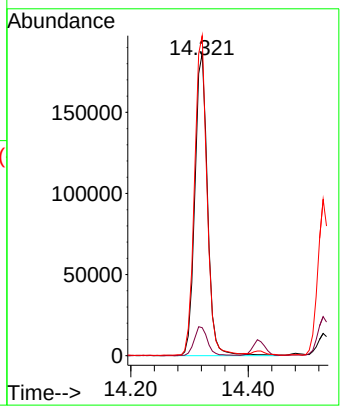


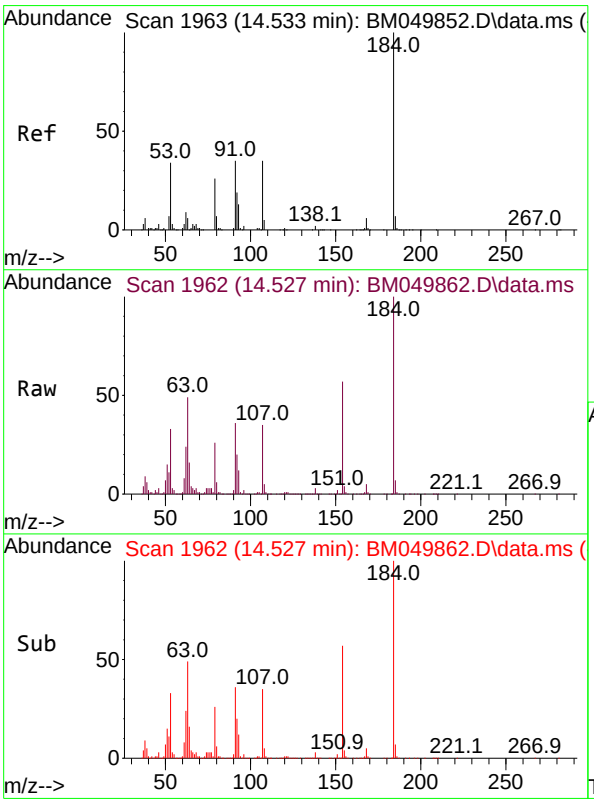
#53
3-Nitroaniline
Concen: 26.483 ng
RT: 14.321 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:138 Resp: 278294

Ion	Ratio	Lower	Upper
138	100		
108	9.3	8.1	12.1
92	105.9	86.5	129.7

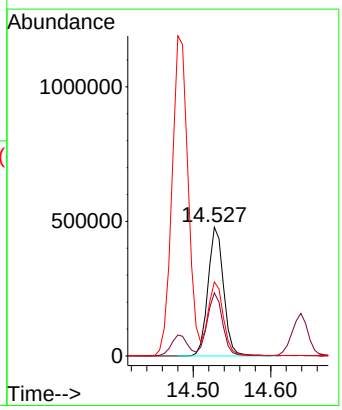


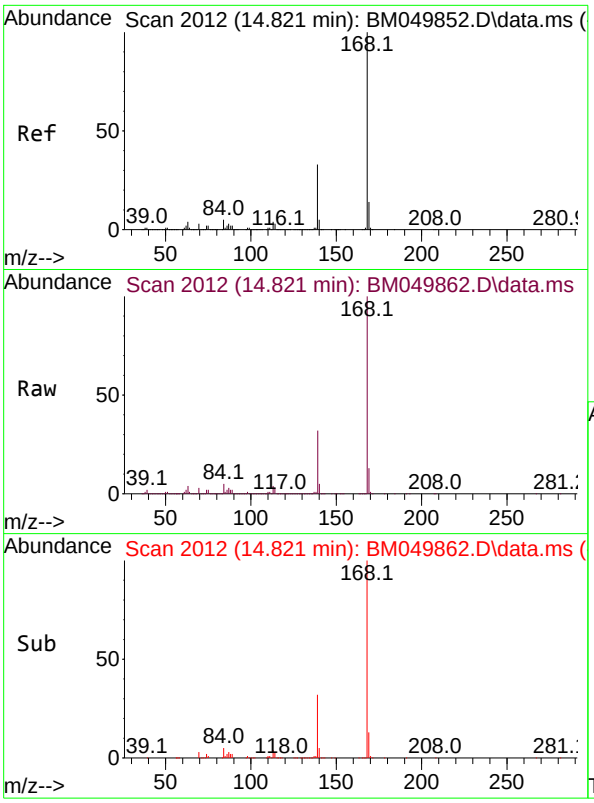


#54
2,4-Dinitrophenol
Concen: 84.656 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:184 Resp: 670209

Ion	Ratio	Lower	Upper
184	100		
63	48.9	38.4	57.6
154	57.5	48.1	72.1



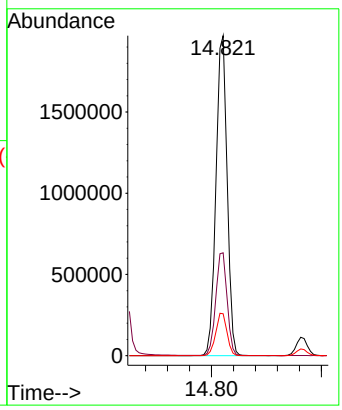


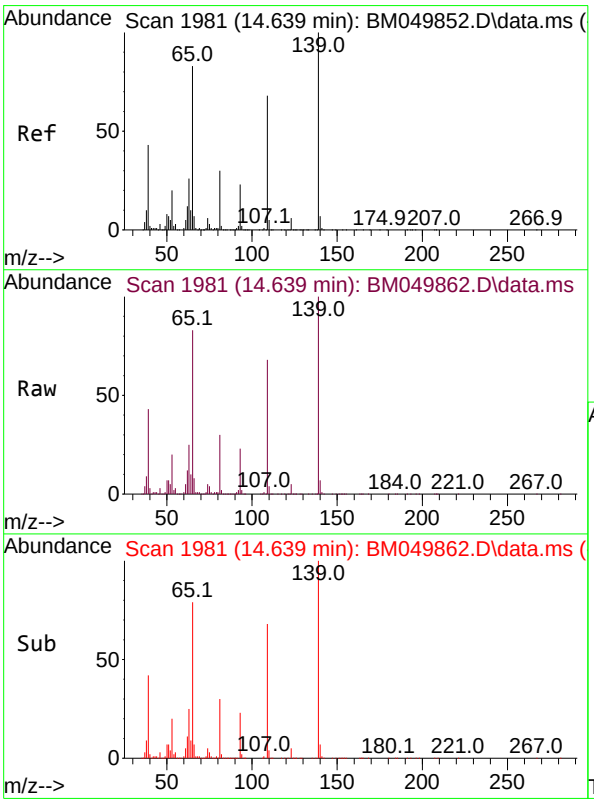
#55
Dibenzofuran
Concen: 41.763 ng
RT: 14.821 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:168 Resp: 2780257

Ion	Ratio	Lower	Upper
168	100		
139	32.1	26.6	39.8
169	13.1	11.0	16.4

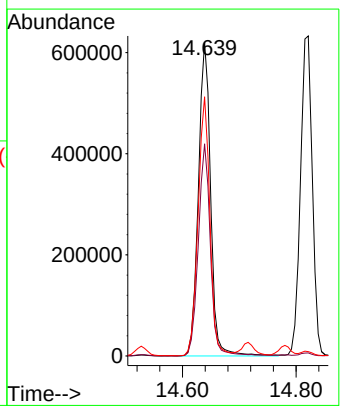


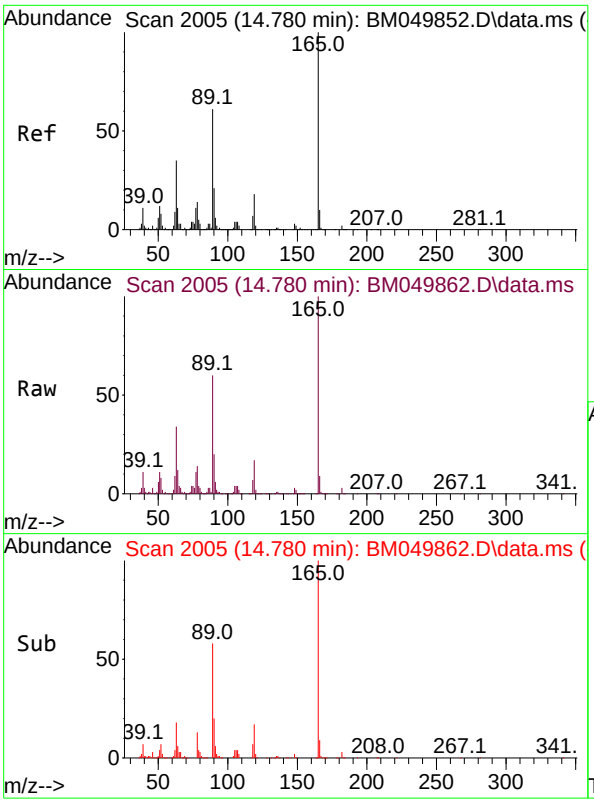


#56
4-Nitrophenol
Concen: 99.585 ng
RT: 14.639 min Scan# 1981
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:139 Resp: 932568

Ion	Ratio	Lower	Upper
139	100		
109	67.6	47.9	87.9
65	82.6	62.7	102.7



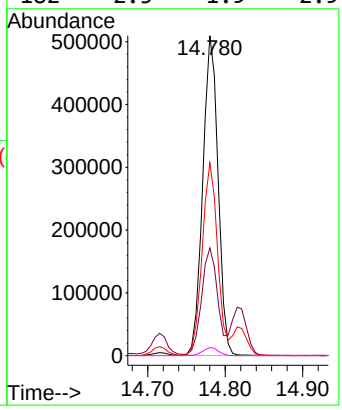


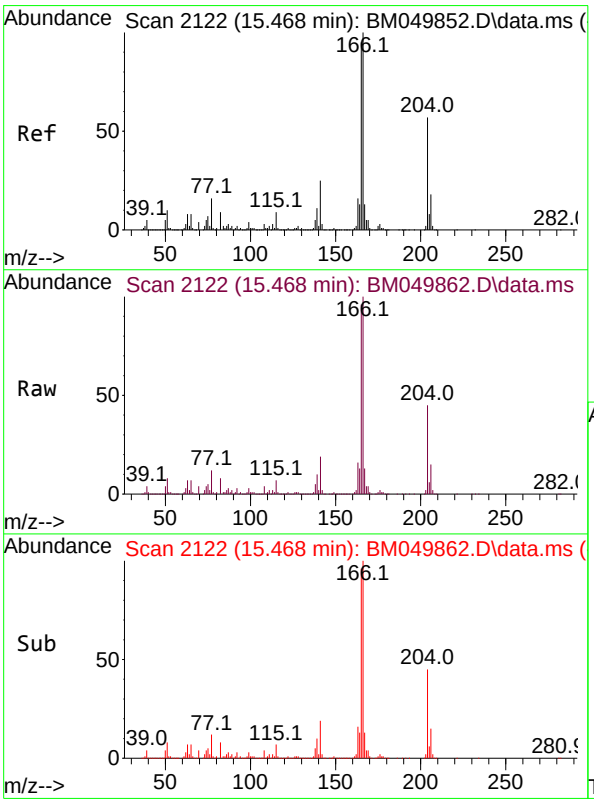
#57
2,4-Dinitrotoluene
Concen: 48.056 ng
RT: 14.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:165 Resp: 697060

Ion	Ratio	Lower	Upper
165	100		
63	33.7	28.6	42.8
89	60.3	49.0	73.6
182	2.5	1.9	2.9

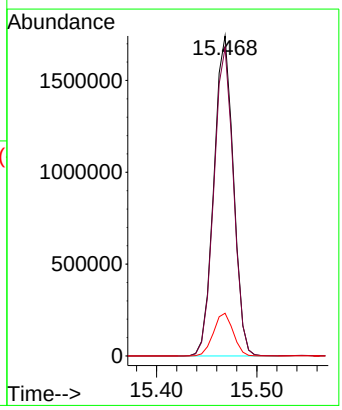


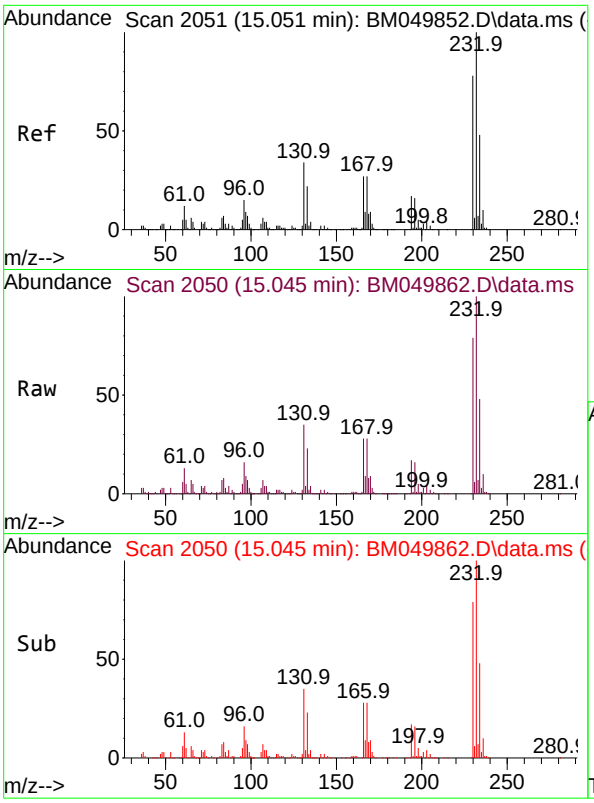


#58
Fluorene
Concen: 44.483 ng
RT: 15.468 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:166 Resp: 2353879

Ion	Ratio	Lower	Upper
166	100		
165	96.3	76.3	114.5
167	13.4	10.7	16.1



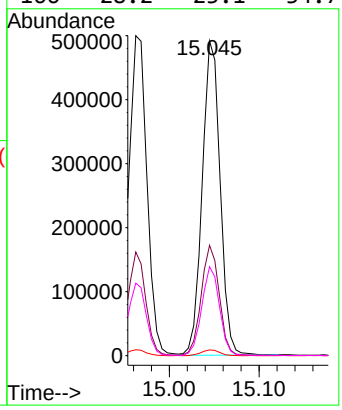


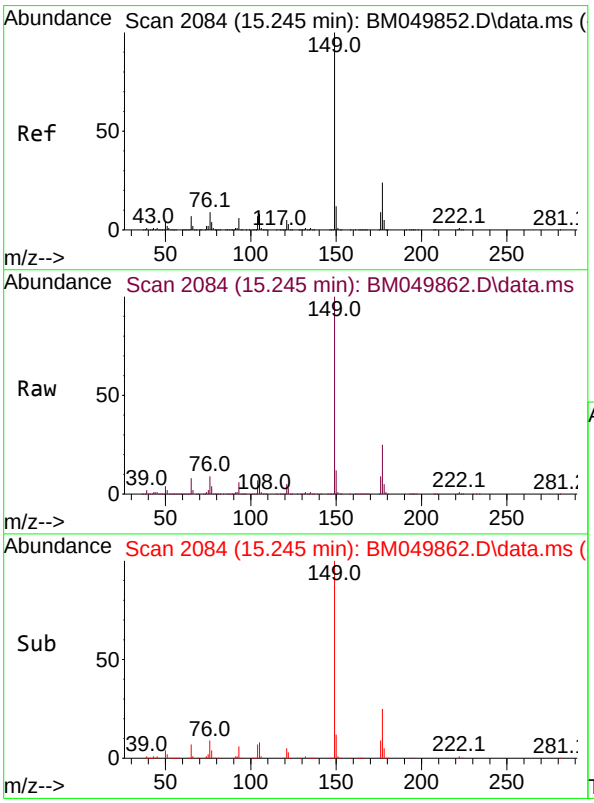
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.733 ng
RT: 15.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:232 Resp: 682132

Ion	Ratio	Lower	Upper
232	100		
131	35.2	28.4	42.6
130	1.9	1.6	2.4
166	28.2	23.1	34.7

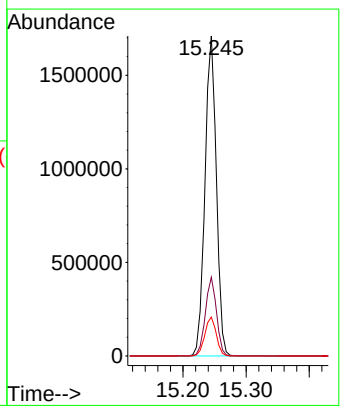


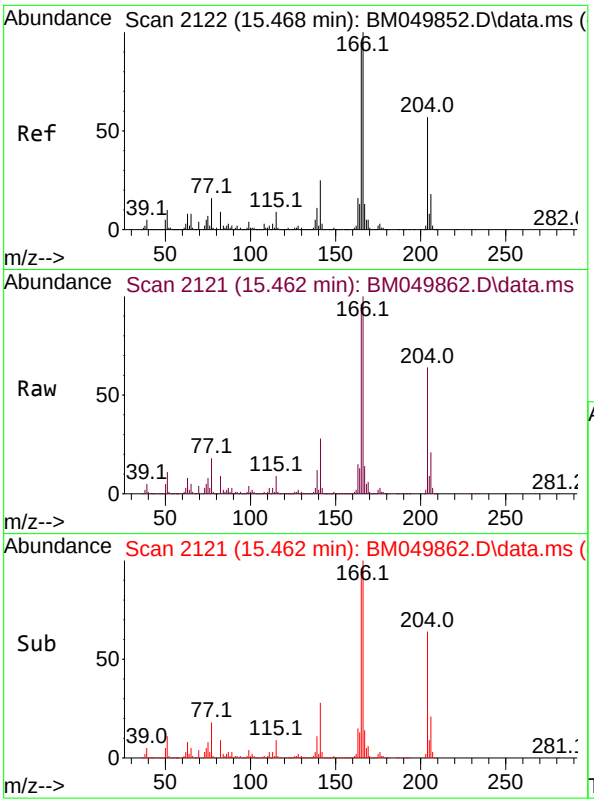


#60
Diethylphthalate
Concen: 42.915 ng
RT: 15.245 min Scan# 2084
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:149 Resp: 2135751

Ion	Ratio	Lower	Upper
149	100		
177	24.6	19.0	28.4
150	12.2	9.7	14.5



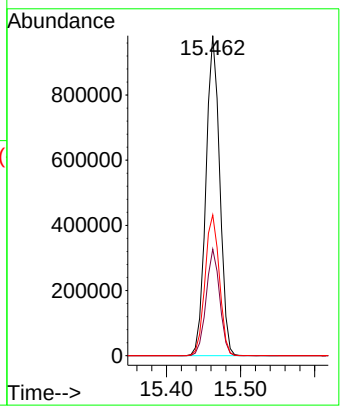


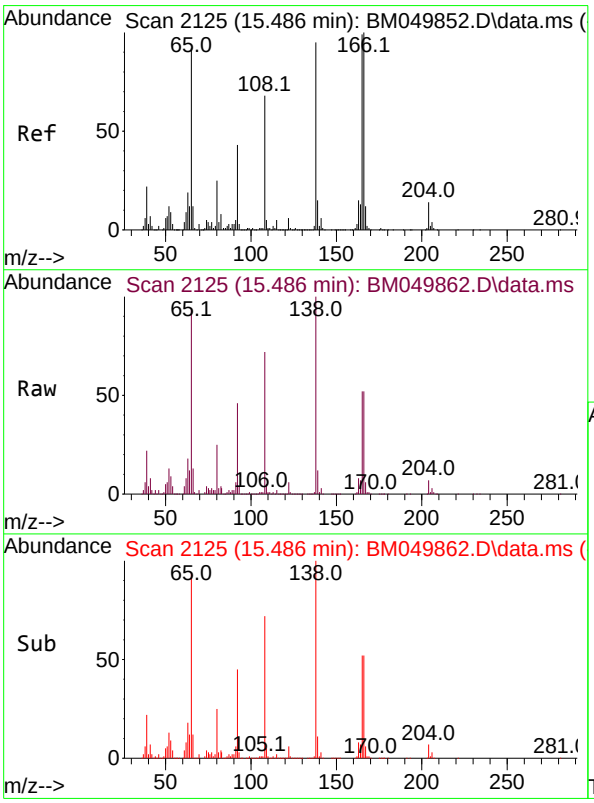
#61
4-Chlorophenyl-phenylether
Concen: 44.717 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:204 Resp: 1268642

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.2	39.2
141	44.0	35.0	52.6

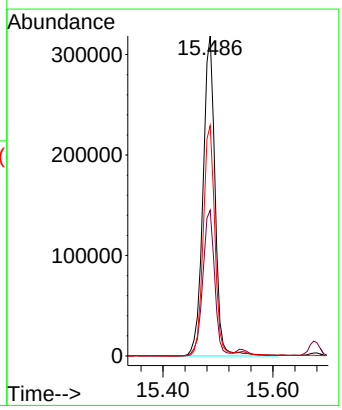


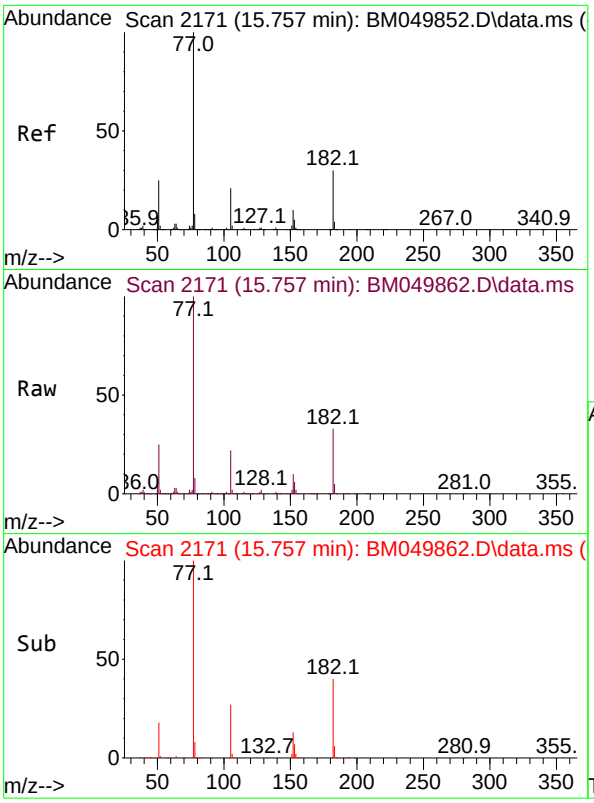


#62
4-Nitroaniline
Concen: 44.634 ng
RT: 15.486 min Scan# 2125
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:138 Resp: 485055

Ion	Ratio	Lower	Upper
138	100		
92	45.5	24.9	64.9
108	72.0	51.7	91.7



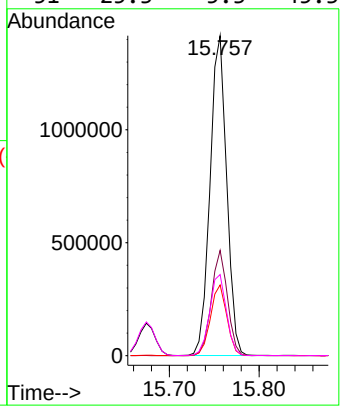


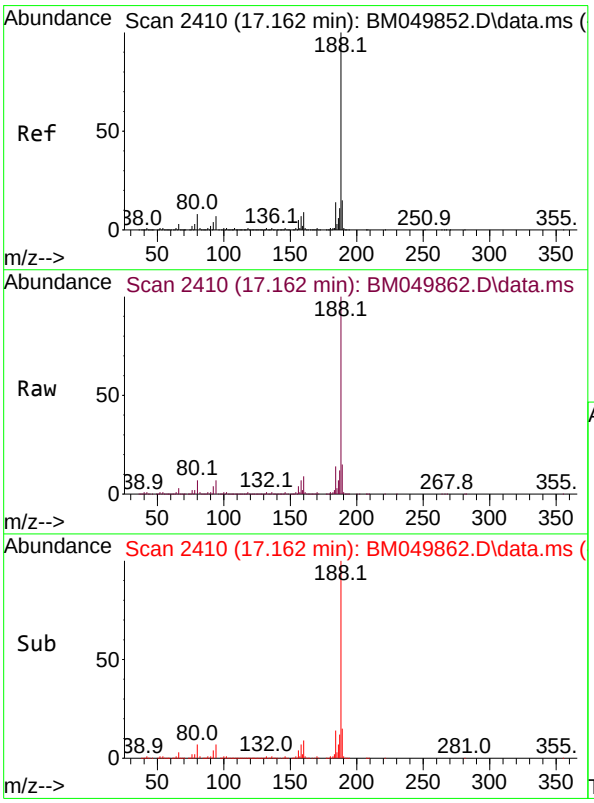
#63
Azobenzene
Concen: 42.747 ng
RT: 15.757 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion: 77 Resp: 1821372

Ion	Ratio	Lower	Upper
77	100		
182	32.9	10.4	50.4
105	22.1	1.5	41.5
51	25.3	5.3	45.3

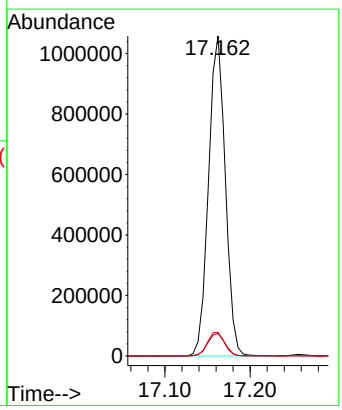


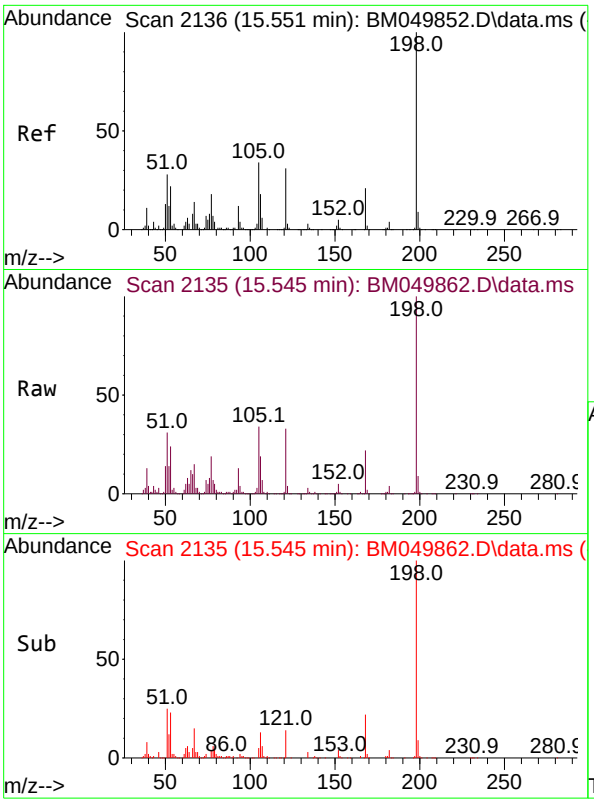


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.162 min Scan# 2410
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:188 Resp: 1446565

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.8	8.6
80	7.4	6.4	9.6



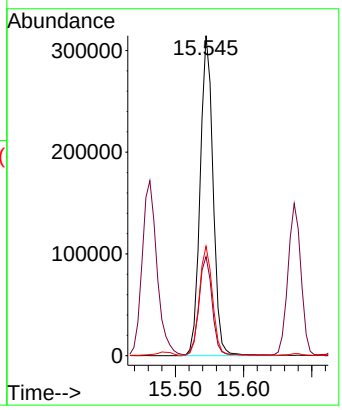


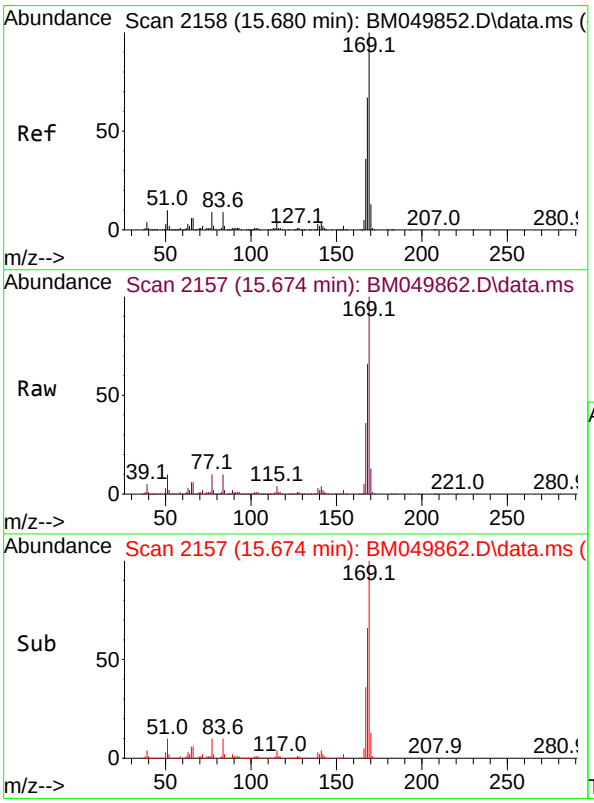
#65
4,6-Dinitro-2-methylphenol
Concen: 45.427 ng
RT: 15.545 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:198 Resp: 414097

Ion	Ratio	Lower	Upper
198	100		
51	30.9	9.6	49.6
105	34.2	14.7	54.7

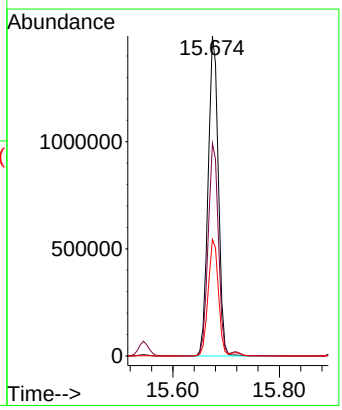


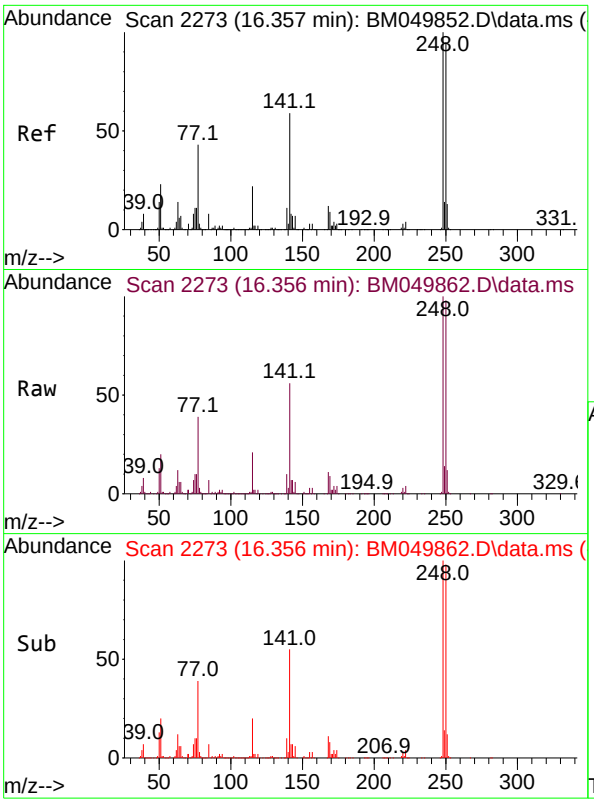


#66
n-Nitrosodiphenylamine
Concen: 45.767 ng
RT: 15.674 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:169 Resp: 1981248

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.4	80.2
167	36.4	29.0	43.6



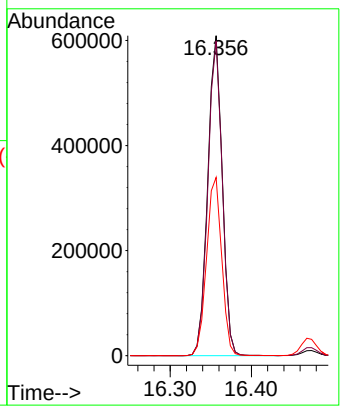


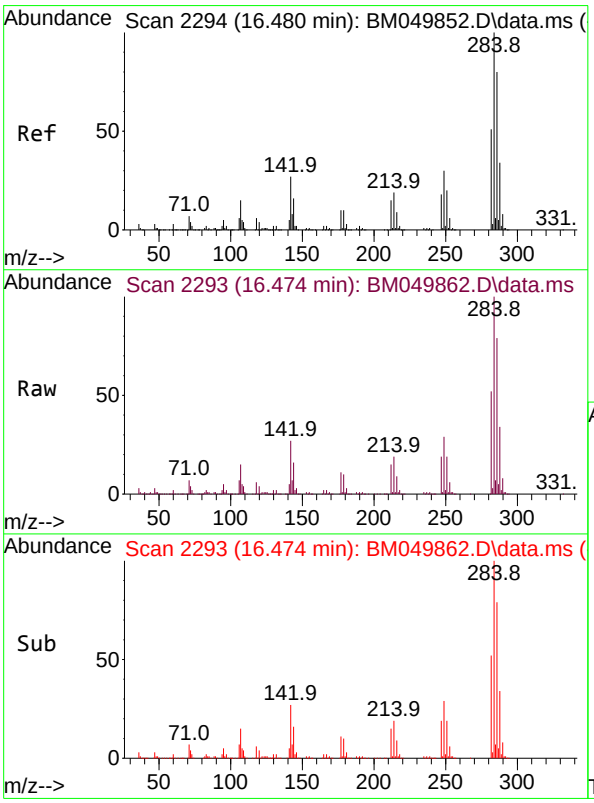
#67
4-Bromophenyl-phenylether
Concen: 44.947 ng
RT: 16.356 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:248 Resp: 754789

Ion	Ratio	Lower	Upper
248	100		
250	98.4	76.2	114.2
141	55.7	47.3	70.9

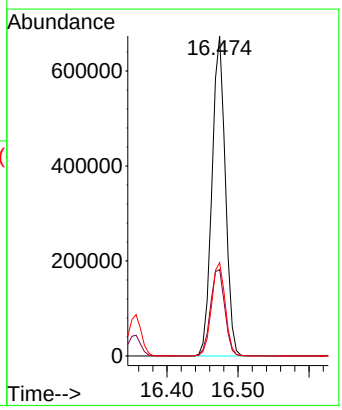


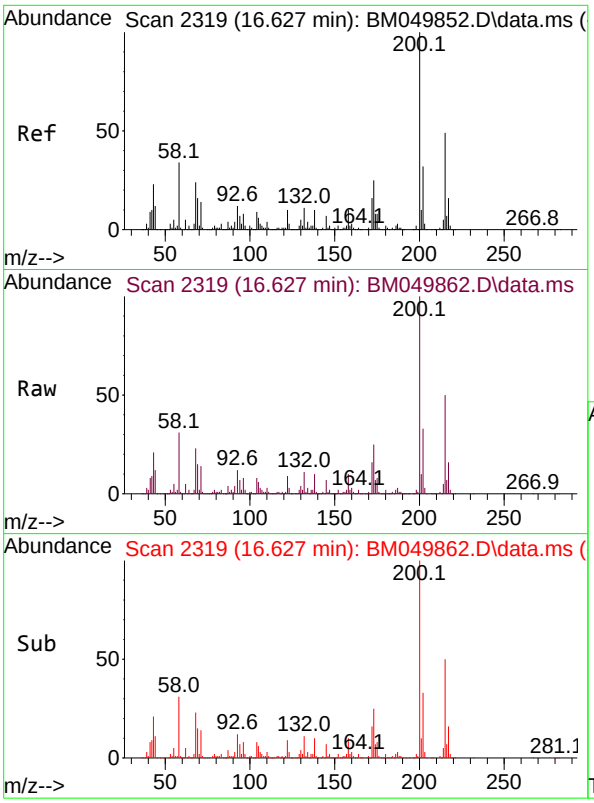


#68
Hexachlorobenzene
Concen: 45.607 ng
RT: 16.474 min Scan# 2293
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:284 Resp: 878488

Ion	Ratio	Lower	Upper
284	100		
142	27.0	21.2	31.8
249	29.2	24.1	36.1



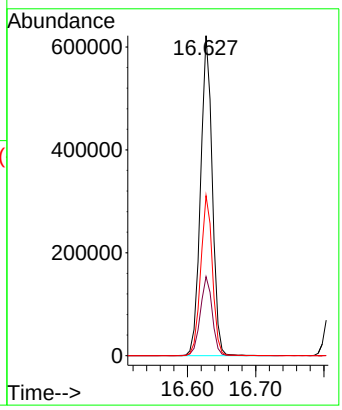


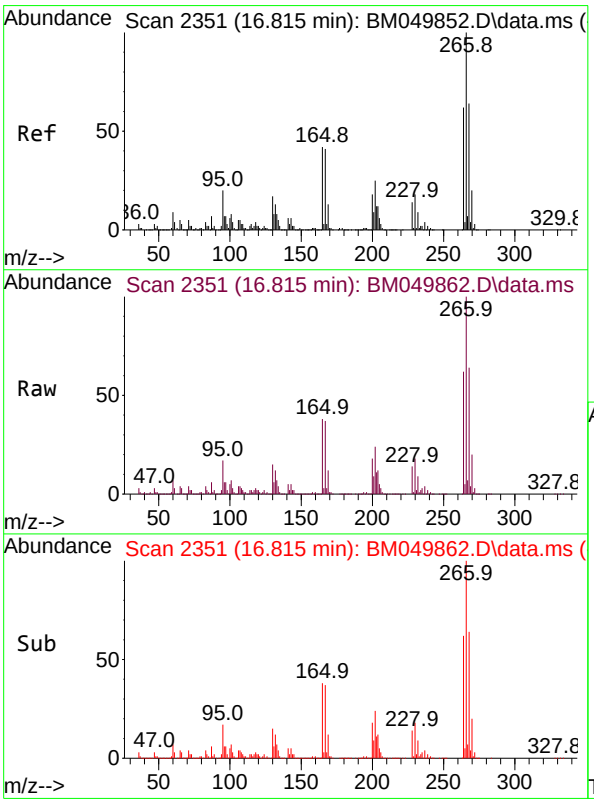
#69
Atrazine
Concen: 66.004 ng
RT: 16.627 min Scan# 2
Delta R.T. 0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:200 Resp: 740849

Ion	Ratio	Lower	Upper
200	100		
173	24.7	5.4	45.4
215	50.0	29.0	69.0

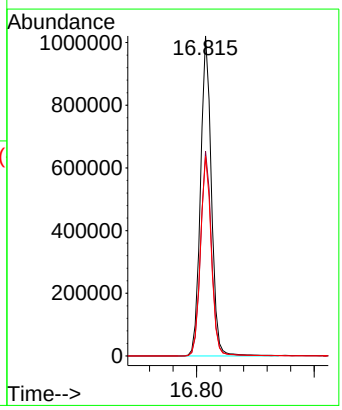


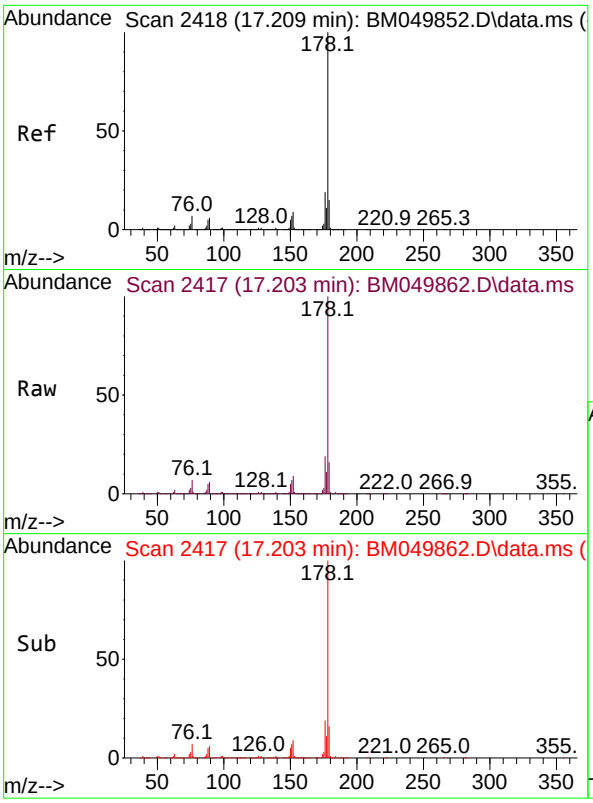


#70
Pentachlorophenol
Concen: 91.972 ng
RT: 16.815 min Scan# 2351
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:266 Resp: 1304253

Ion	Ratio	Lower	Upper
266	100		
268	64.0	51.4	77.2
264	62.4	49.8	74.8



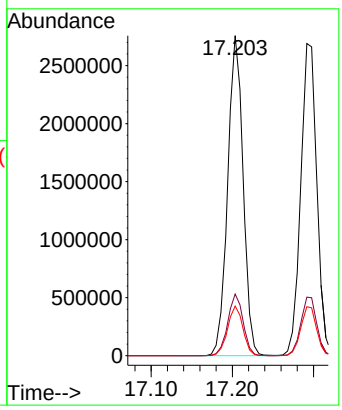


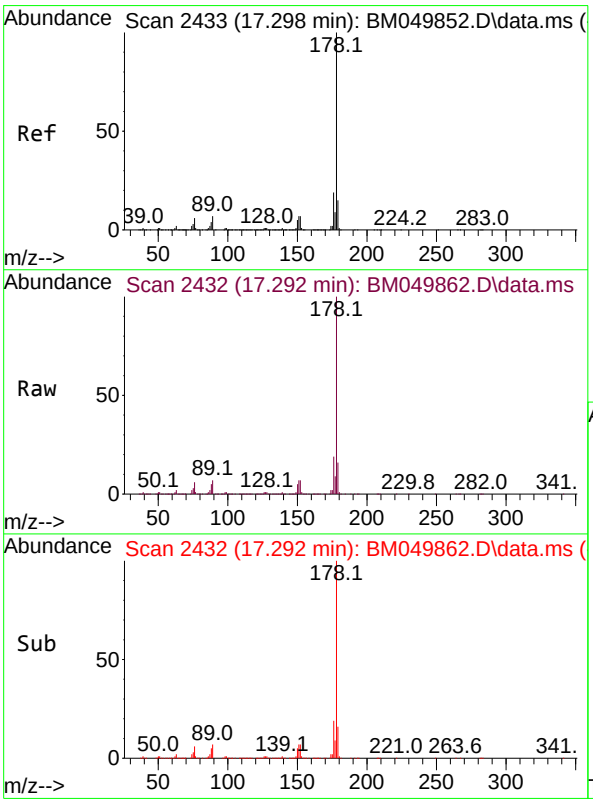
#71
Phenanthrene
Concen: 45.905 ng
RT: 17.203 min Scan# 24
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:178 Resp: 3640568

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.5	12.3	18.5

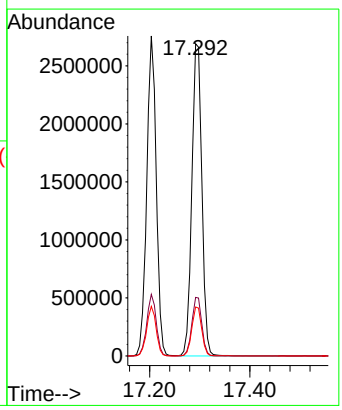


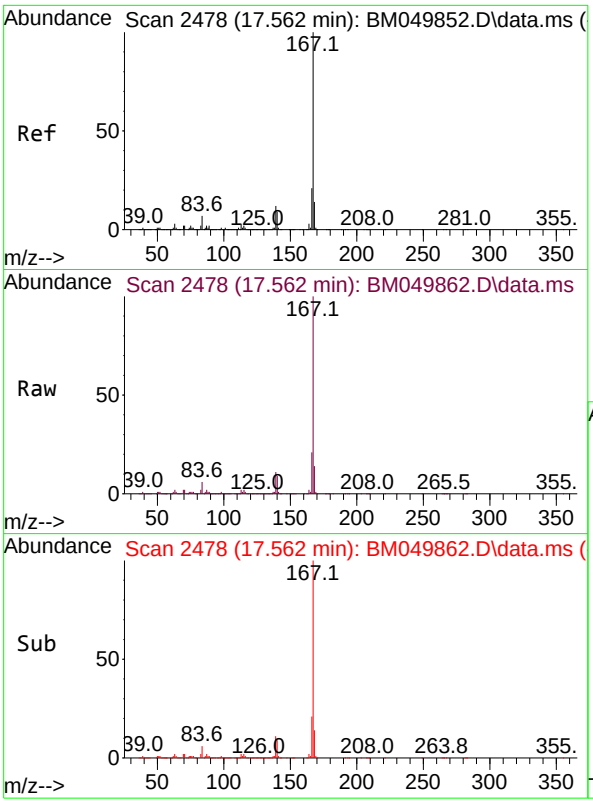


#72
Anthracene
Concen: 47.636 ng
RT: 17.292 min Scan# 2432
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:178 Resp: 3723016

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.7	12.4	18.6



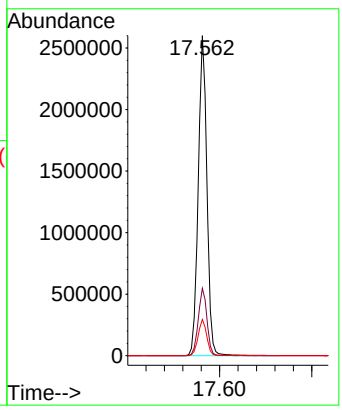


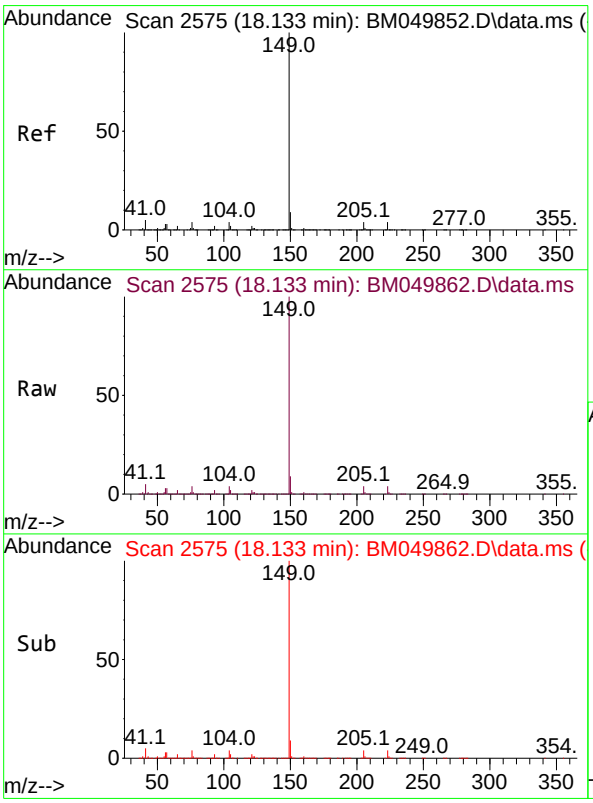
#73
Carbazole
Concen: 46.132 ng
RT: 17.562 min Scan# 24
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:167 Resp: 3395893

Ion	Ratio	Lower	Upper
167	100		
166	21.1	16.9	25.3
139	11.3	9.3	13.9

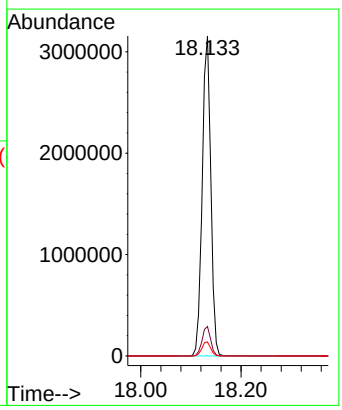


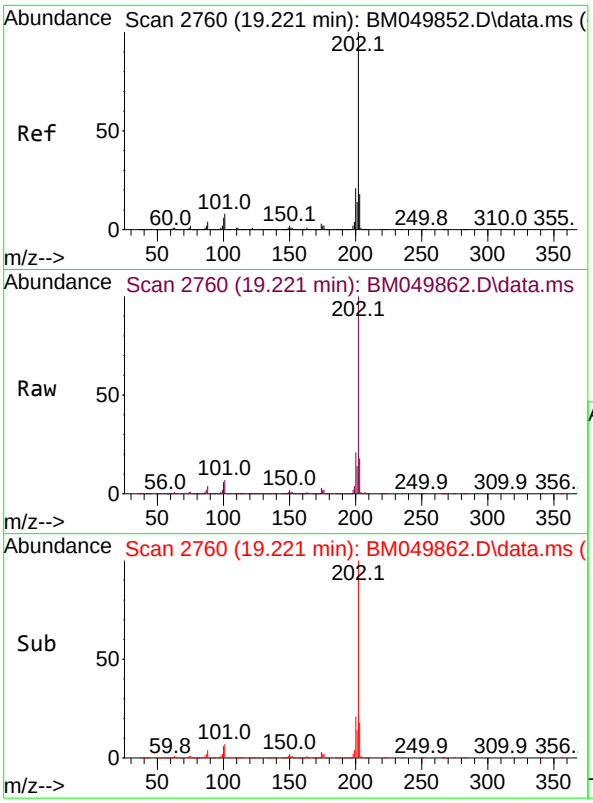


#74
Di-n-butylphthalate
Concen: 44.141 ng
RT: 18.133 min Scan# 2575
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:149 Resp: 3742613

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.4	3.5	5.3



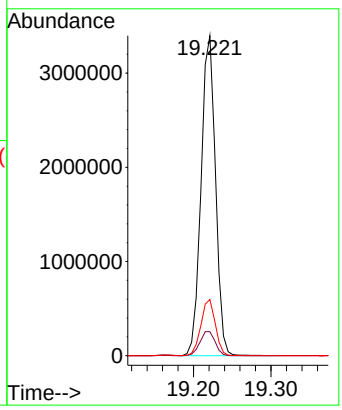


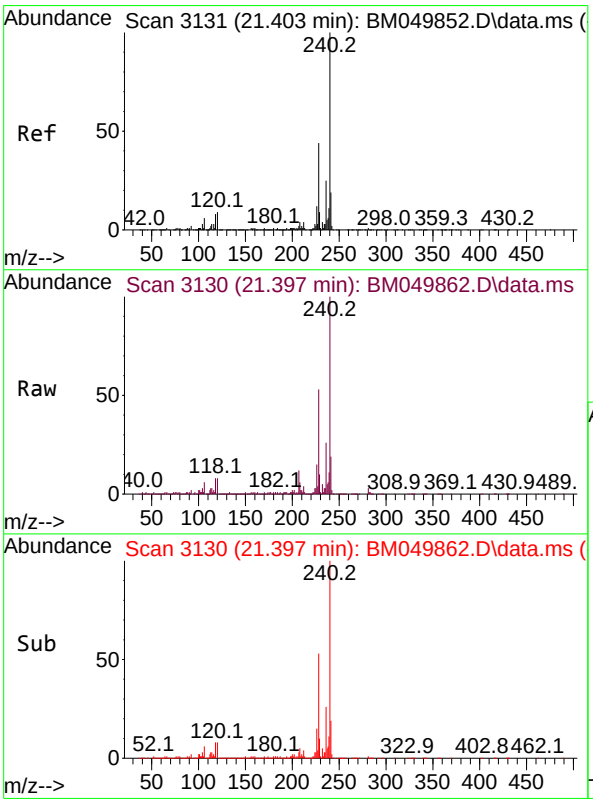
#75
Fluoranthene
Concen: 44.976 ng
RT: 19.221 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:202 Resp: 4385651

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	28.4
203	17.6	0.0	37.8

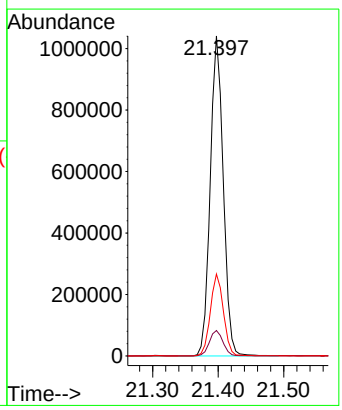


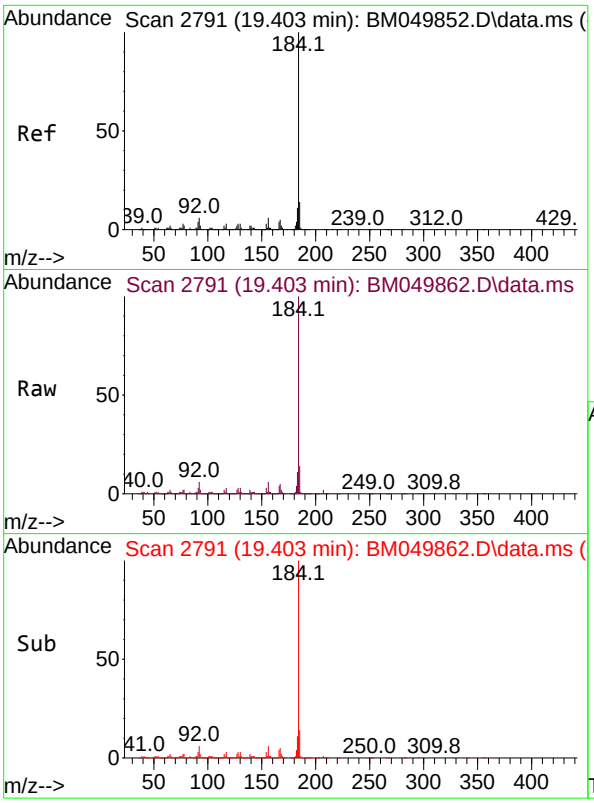


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.397 min Scan# 3130
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:240 Resp: 1438522

Ion	Ratio	Lower	Upper
240	100		
120	8.0	6.9	10.3
236	25.6	20.4	30.6



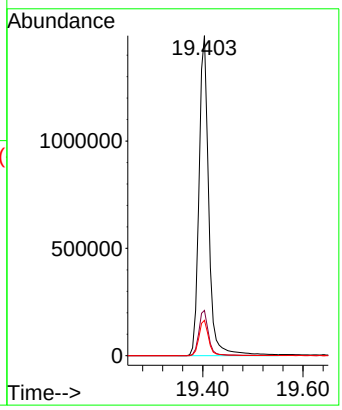


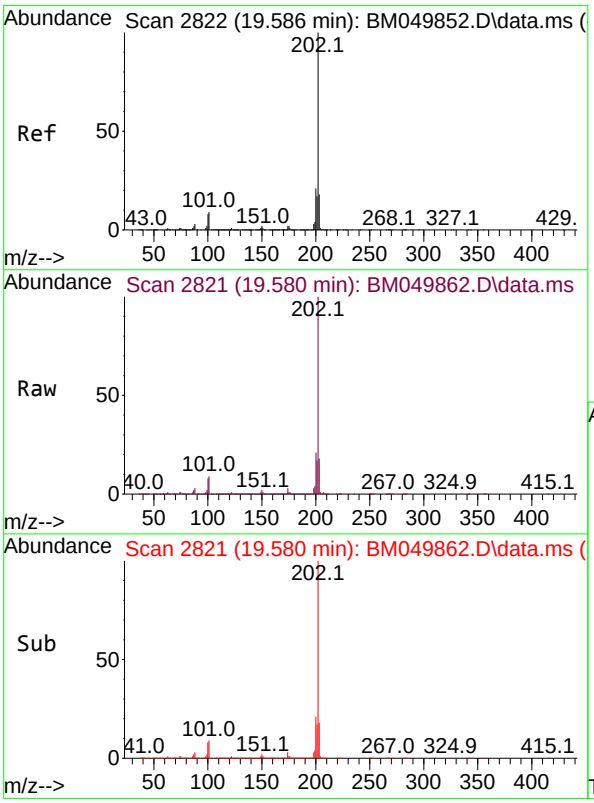
#77
Benzidine
Concen: 105.243 ng
RT: 19.403 min Scan# 2
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:184 Resp: 2008454

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.2
183	11.0	8.8	13.2

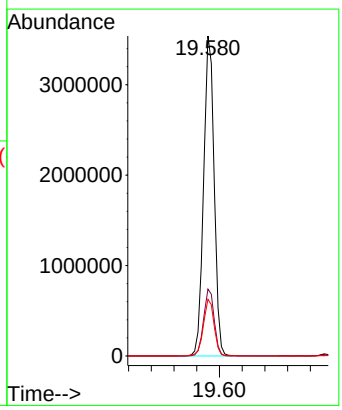


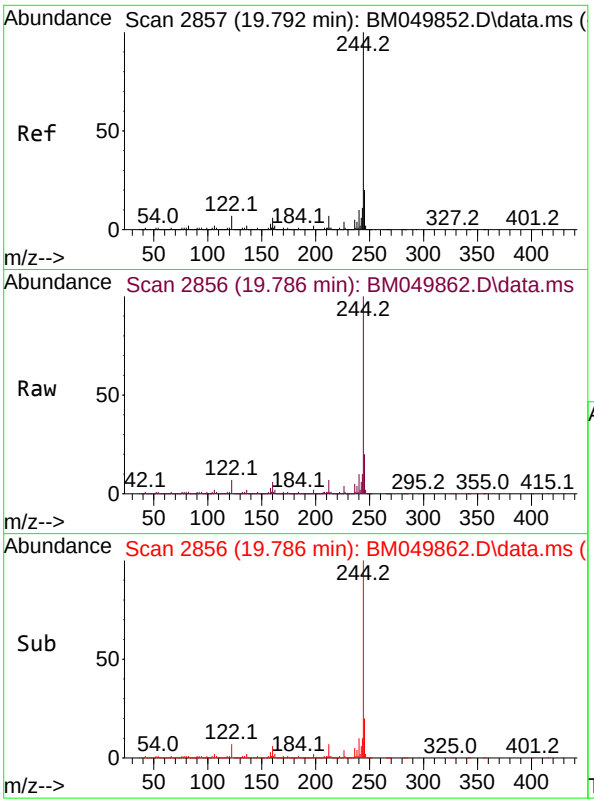


#78
Pyrene
Concen: 45.858 ng
RT: 19.580 min Scan# 2821
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:202 Resp: 4546344

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.5	24.7
203	17.7	14.0	21.0



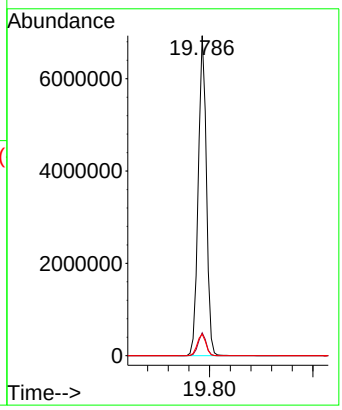


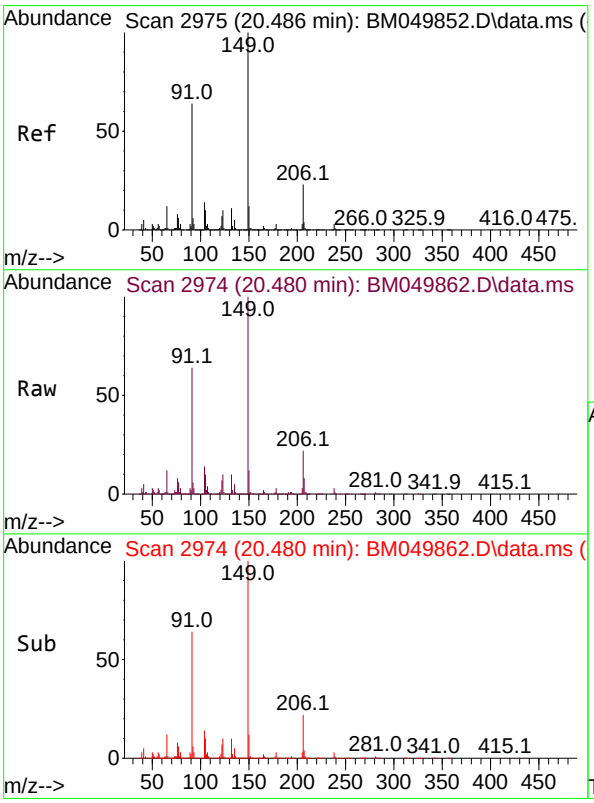
#79
Terphenyl-d14
Concen: 98.593 ng
RT: 19.786 min Scan# 2
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:244 Resp: 7567987

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.5	8.3
122	6.7	5.4	8.0

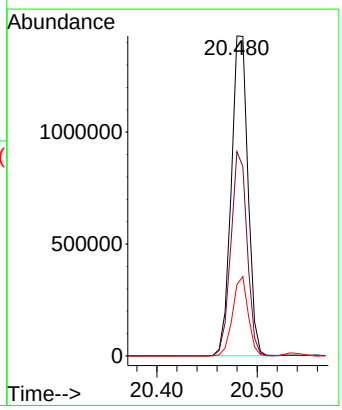


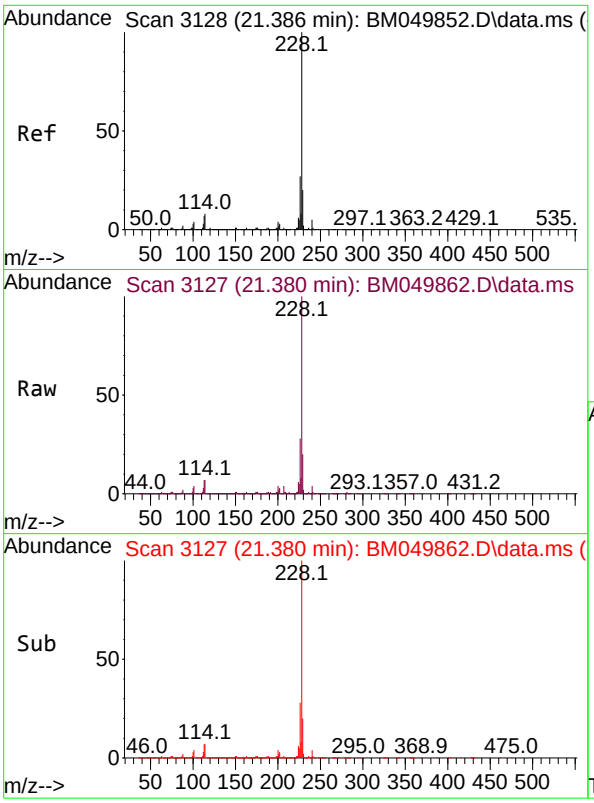


#80
Butylbenzylphthalate
Concen: 44.345 ng
RT: 20.480 min Scan# 2974
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:149 Resp: 1651961

Ion	Ratio	Lower	Upper
149	100		
91	63.9	50.9	76.3
206	22.3	18.4	27.6



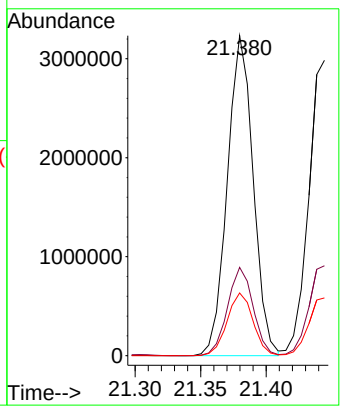


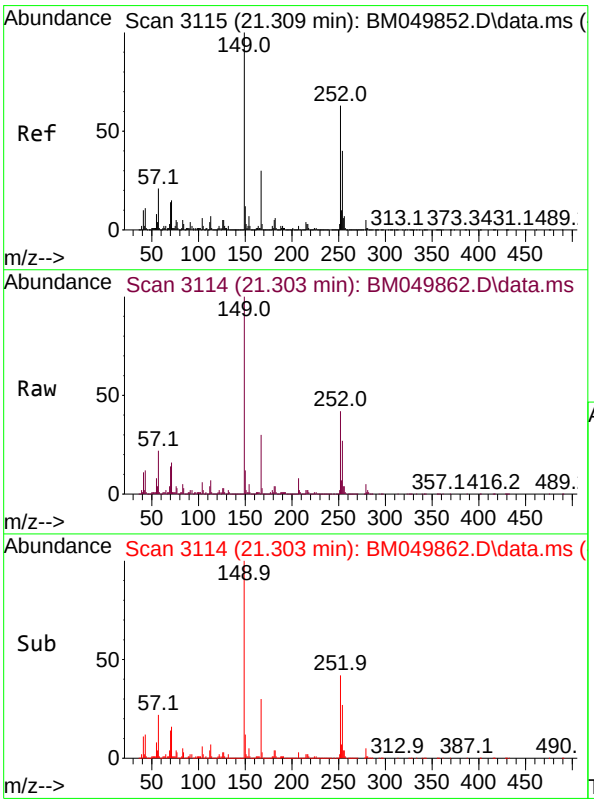
#81
Benzo(a)anthracene
Concen: 46.460 ng
RT: 21.380 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:228 Resp: 4441714

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.8
229	19.6	15.8	23.8

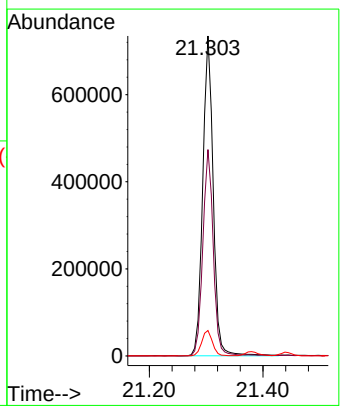


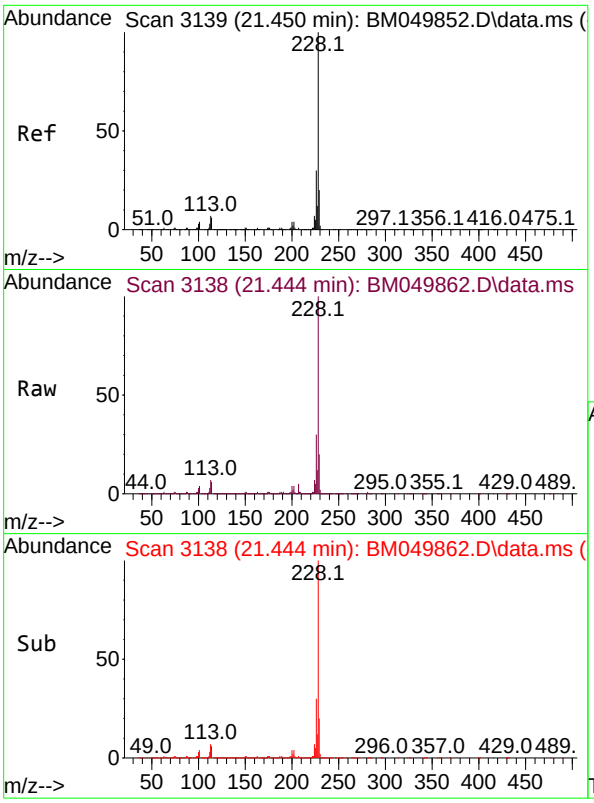


#82
3,3'-Dichlorobenzidine
Concen: 25.897 ng
RT: 21.303 min Scan# 3114
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:252 Resp: 934995

Ion	Ratio	Lower	Upper
252	100		
254	64.5	51.5	77.3
126	8.0	6.3	9.5



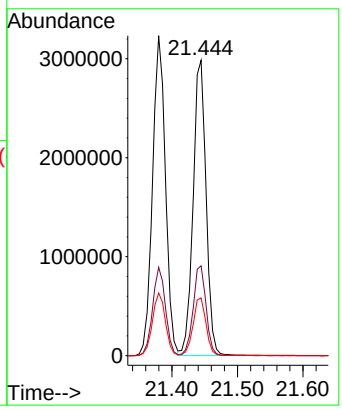


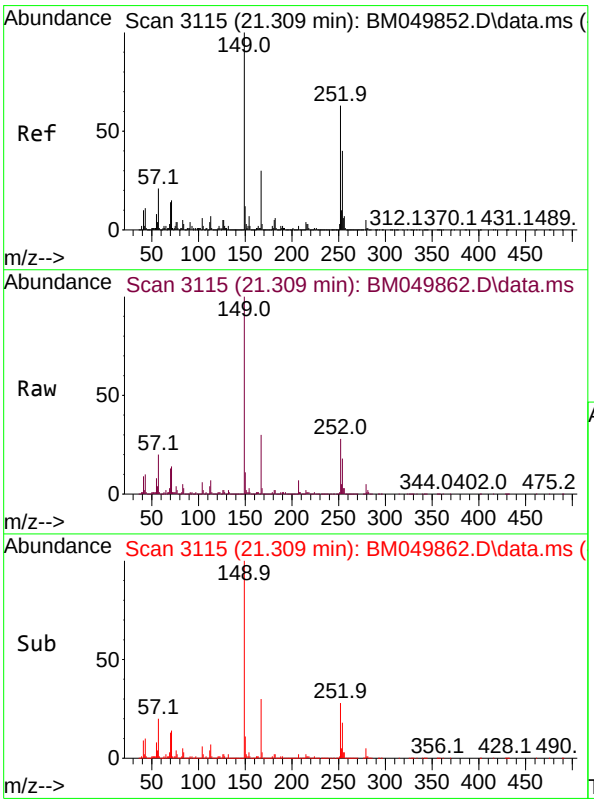
#83
Chrysene
Concen: 45.142 ng
RT: 21.444 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:228 Resp: 4103005

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.1	36.1
229	19.5	15.8	23.6

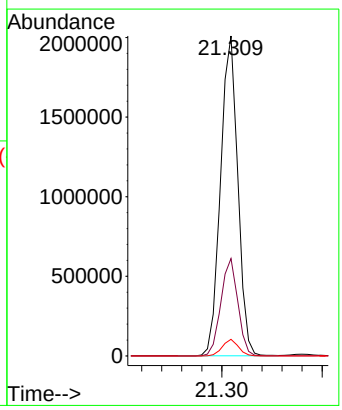


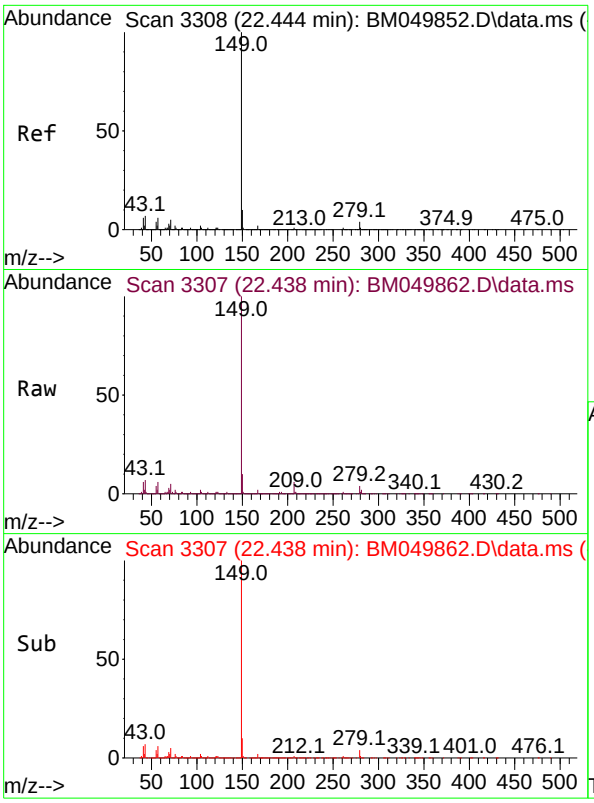


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.100 ng
RT: 21.309 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:149 Resp: 2393538

Ion	Ratio	Lower	Upper
149	100		
167	30.4	23.8	35.6
279	5.2	3.8	5.8



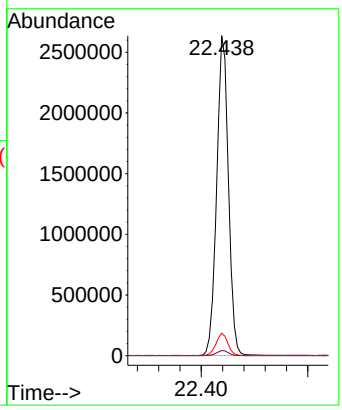


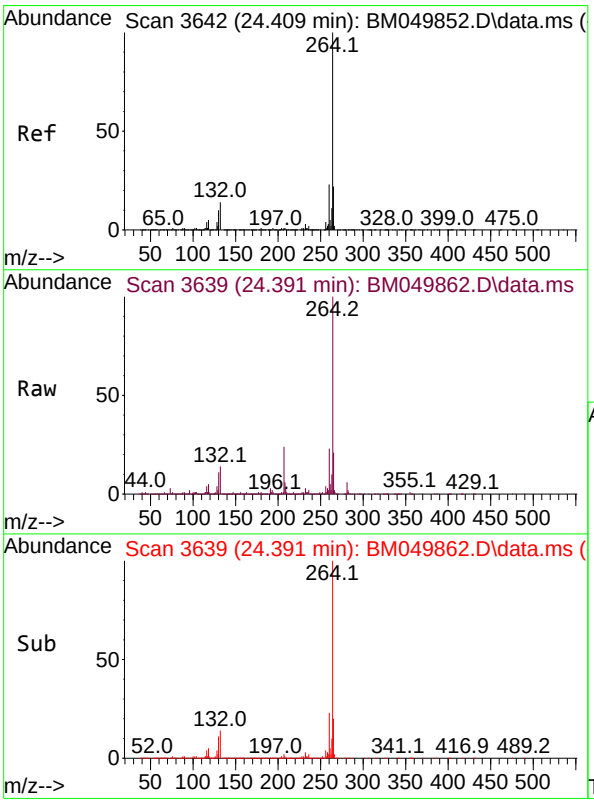
#85
Di-n-octyl phthalate
Concen: 42.286 ng
RT: 22.438 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:149 Resp: 4015047

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	7.0	5.8	8.6

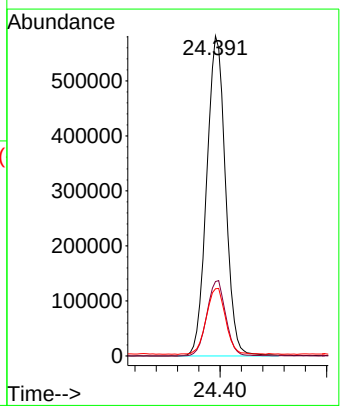


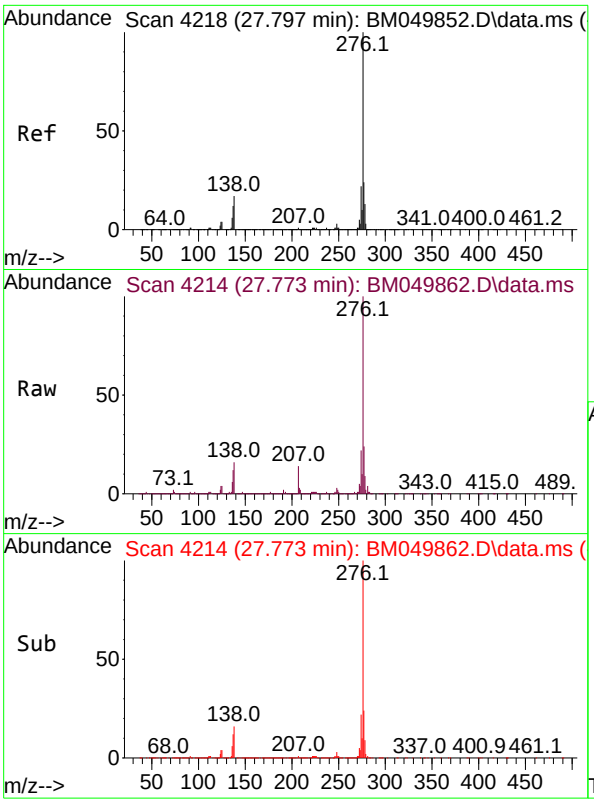


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.391 min Scan# 3639
Delta R.T. -0.018 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:264 Resp: 1424302

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.0	17.8	26.8



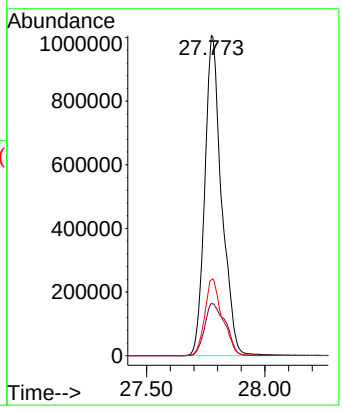


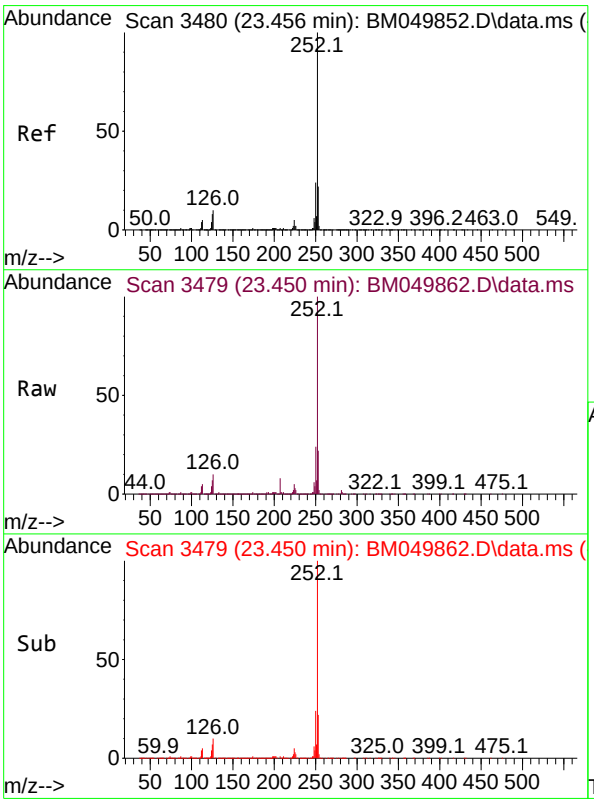
#87
Indeno(1,2,3-cd)pyrene
Concen: 46.874 ng
RT: 27.773 min Scan# 4
Delta R.T. -0.024 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:276 Resp: 4976589

Ion	Ratio	Lower	Upper
276	100		
138	20.2	16.8	25.2
277	24.9	20.1	30.1

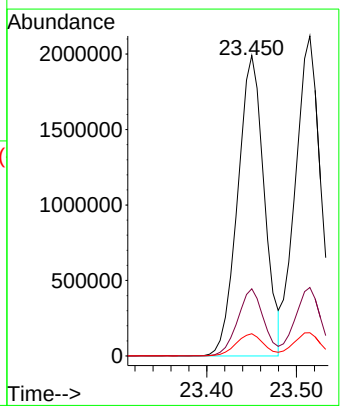


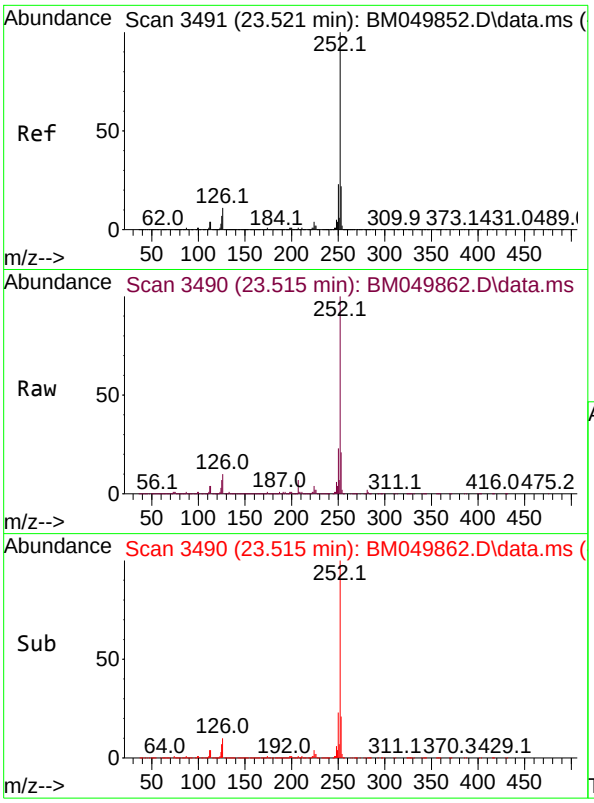


#88
Benzo(b)fluoranthene
Concen: 44.967 ng
RT: 23.450 min Scan# 3479
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:252 Resp: 4090414

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	7.4	6.2	9.4



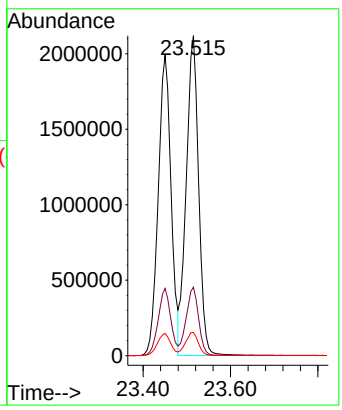


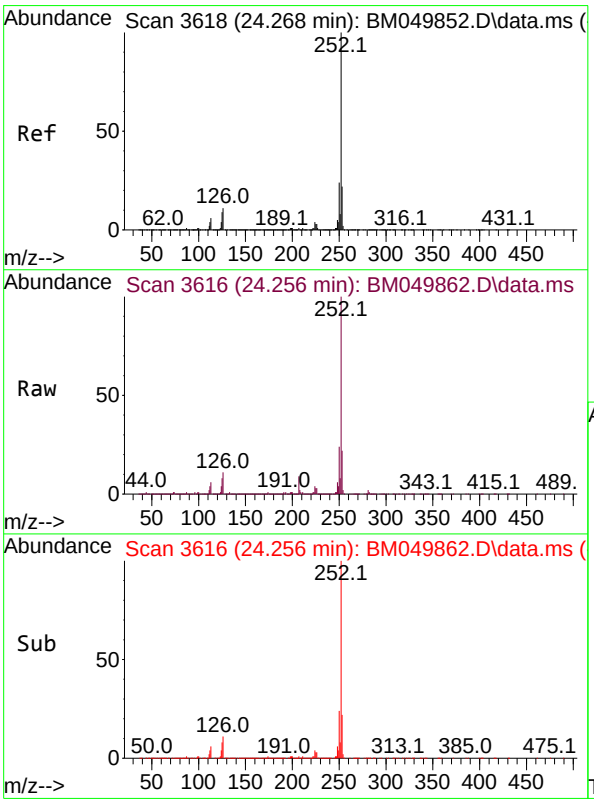
#89
Benzo(k)fluoranthene
Concen: 47.213 ng
RT: 23.515 min Scan# 3
Delta R.T. -0.006 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:252 Resp: 4161896

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	7.2	5.8	8.8

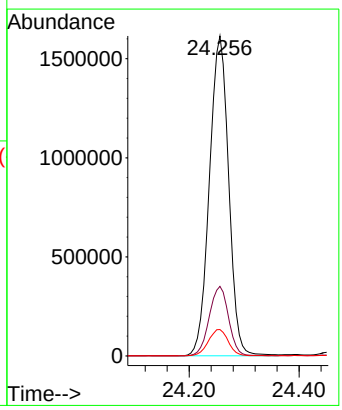


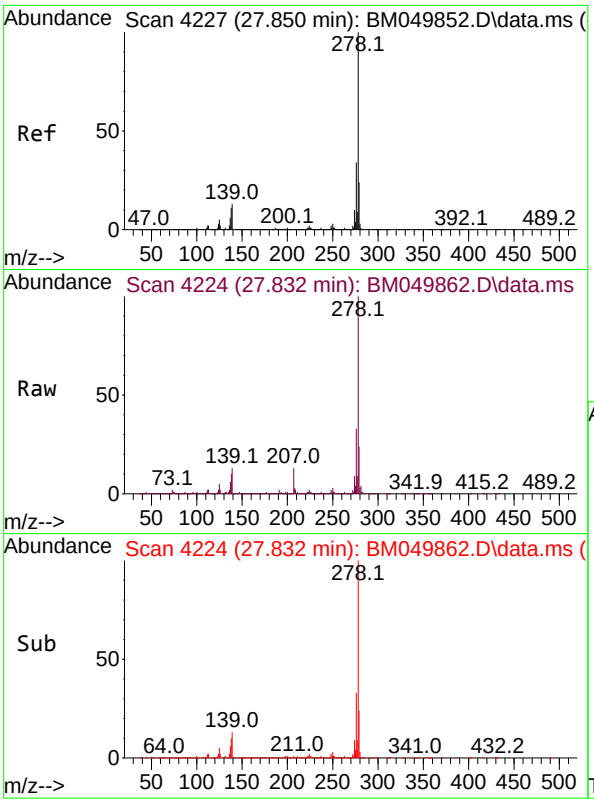


#90
Benzo(a)pyrene
Concen: 49.102 ng
RT: 24.256 min Scan# 3616
Delta R.T. -0.012 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:252 Resp: 3924916

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	8.2	7.0	10.4



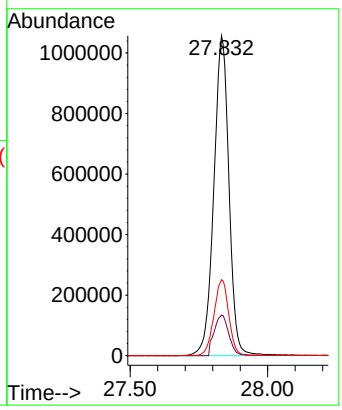


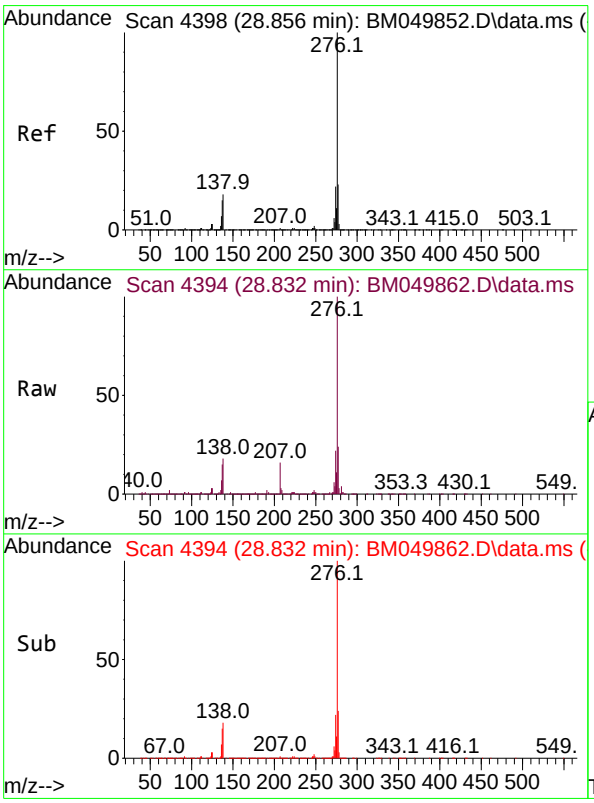
#91
Dibenzo(a,h)anthracene
Concen: 46.229 ng
RT: 27.832 min Scan# 4
Delta R.T. -0.018 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Instrument :
BNA_M
ClientSampleId :
PB167521BSD

Tgt Ion:278 Resp: 4042770

Ion	Ratio	Lower	Upper
278	100		
139	12.7	10.6	15.8
279	23.7	19.1	28.7

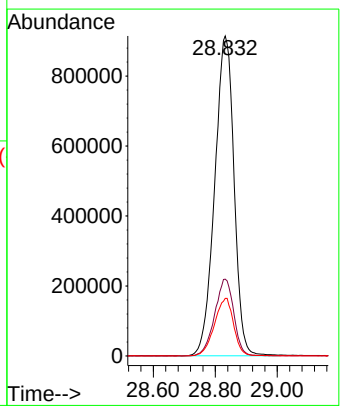




#92
Benzo(g,h,i)perylene
Concen: 44.312 ng
RT: 28.832 min Scan# 4394
Delta R.T. -0.024 min
Lab File: BM049862.D
Acq: 09 Apr 2025 11:06

Tgt Ion:276 Resp: 3959871

Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.7	28.1
138	18.0	14.6	21.8



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Manual Integration Report

Sequence:	BM040825	Instrument	BNA_m

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BM049849.D	Benzaldehyde	anahy	4/9/2025 10:32:06 AM	Jagrut	4/9/2025 4:46:22 PM	Peak Integrated by Software
SSTDICC010	BM049850.D	Benzoic acid	anahy	4/9/2025 10:32:44 AM	Jagrut	4/9/2025 4:46:25 PM	Peak Integrated by Software
SSTDICC060	BM049854.D	Pyridine	anahy	4/9/2025 10:33:20 AM	Jagrut	4/9/2025 4:46:27 PM	Peak Integrated by Software
SSTDICC080	BM049855.D	Pyridine	anahy	4/9/2025 10:34:03 AM	Jagrut	4/9/2025 4:46:30 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bm040925	Instrument	BNA_m

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

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040825

Review By	anahy	Review On	4/9/2025 10:38:14 AM				
Supervise By	Jagrut	Supervise On	4/9/2025 4:50:06 PM				
SubDirectory	BM040825	HP Acquire Method	BNA_M		HP Processing Method	bm040825	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049847.D	08 Apr 2025 12:55	RC/JU	Ok
2	SSTDICC2.5	BM049848.D	08 Apr 2025 13:35	RC/JU	Ok
3	SSTDICC005	BM049849.D	08 Apr 2025 14:14	RC/JU	Ok,M
4	SSTDICC010	BM049850.D	08 Apr 2025 14:53	RC/JU	Ok,M
5	SSTDICC020	BM049851.D	08 Apr 2025 15:32	RC/JU	Ok
6	SSTDICCC040	BM049852.D	08 Apr 2025 16:12	RC/JU	Ok
7	SSTDICC050	BM049853.D	08 Apr 2025 17:30	RC/JU	Ok
8	SSTDICC060	BM049854.D	08 Apr 2025 19:28	RC/JU	Ok,M
9	SSTDICC080	BM049855.D	08 Apr 2025 20:07	RC/JU	Ok,M
10	SSTDICV040	BM049856.D	08 Apr 2025 20:47	RC/JU	Ok
11	PB167474BL	BM049857.D	08 Apr 2025 21:26	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040925

Review By	anahy	Review On	4/10/2025 10:38:09 AM		
Supervise By	Jagrut	Supervise On	4/10/2025 3:33:56 PM		
SubDirectory	BM040925	HP Acquire Method	BNA_M	HP Processing Method	bm040825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12658,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BM049858.D	09 Apr 2025 08:30	RC/JU	Ok
2	SSTDCCC040	BM049859.D	09 Apr 2025 09:09	RC/JU	Ok
3	PB167521BL	BM049860.D	09 Apr 2025 09:48	RC/JU	Ok
4	PB167521BS	BM049861.D	09 Apr 2025 10:27	RC/JU	Ok
5	PB167521BSD	BM049862.D	09 Apr 2025 11:06	RC/JU	Ok
6	Q1740-01	BM049863.D	09 Apr 2025 11:50	RC/JU	Ok
7	Q1744-01	BM049864.D	09 Apr 2025 12:29	RC/JU	Ok
8	Q1744-01MS	BM049865.D	09 Apr 2025 13:08	RC/JU	Ok
9	Q1744-01MSD	BM049866.D	09 Apr 2025 13:47	RC/JU	Ok
10	Q1742-01	BM049867.D	09 Apr 2025 14:26	RC/JU	Ok,M
11	Q1746-03	BM049868.D	09 Apr 2025 15:05	RC/JU	Ok
12	Q1744-03	BM049869.D	09 Apr 2025 15:45	RC/JU	Ok
13	Q1712-01DL	BM049870.D	09 Apr 2025 16:24	RC/JU	Dilution
14	Q1712-01DL2	BM049871.D	09 Apr 2025 17:03	RC/JU	Ok,M
15	Q1743-01	BM049872.D	09 Apr 2025 17:42	RC/JU	Ok,M
16	Q1745-09	BM049873.D	09 Apr 2025 18:21	RC/JU	Ok,M
17	Q1739-01	BM049874.D	09 Apr 2025 19:01	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040825

Review By	anahy	Review On	4/9/2025 10:38:14 AM		
Supervise By	Jagrut	Supervise On	4/9/2025 4:50:06 PM		
SubDirectory	BM040825	HP Acquire Method	BNA_M	HP Processing Method	bm040825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12657,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM049847.D	08 Apr 2025 12:55		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BM049848.D	08 Apr 2025 13:35		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BM049849.D	08 Apr 2025 14:14	Compound #32,54,65 removed from 5ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BM049850.D	08 Apr 2025 14:53	Compound #32,54 kept on LR	RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BM049851.D	08 Apr 2025 15:32	This calibration is fail for Com#77	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BM049852.D	08 Apr 2025 16:12	This calibration is good for 8270E DOD except Com#77 and good for 625.1 method	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BM049853.D	08 Apr 2025 17:30		RC/JU	Ok
8	SSTDICC060	SSTDICC060	BM049854.D	08 Apr 2025 19:28	Compound #69 Removed from 60PPM	RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BM049855.D	08 Apr 2025 20:07	Compound #69 Removed from 80PPM	RC/JU	Ok,M
10	SSTDICV040	ICVBM040825	BM049856.D	08 Apr 2025 20:47		RC/JU	Ok
11	PB167474BL	PB167474BL	BM049857.D	08 Apr 2025 21:26	Use for Q1730 only	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_M

Daily Analysis Runlog For Sequence/QCBatch ID # BM040925

Review By	anahy	Review On	4/10/2025 10:38:09 AM		
Supervise By	Jagrut	Supervise On	4/10/2025 3:33:56 PM		
SubDirectory	BM040925	HP Acquire Method	BNA_M	HP Processing Method	bm040825

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729
CCC	SP6725
Internal Standard/PEM	S12658,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BM049858.D	09 Apr 2025 08:30		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BM049859.D	09 Apr 2025 09:09		RC/JU	Ok
3	PB167521BL	PB167521BL	BM049860.D	09 Apr 2025 09:48		RC/JU	Ok
4	PB167521BS	PB167521BS	BM049861.D	09 Apr 2025 10:27		RC/JU	Ok
5	PB167521BSD	PB167521BSD	BM049862.D	09 Apr 2025 11:06		RC/JU	Ok
6	Q1740-01	TP-20	BM049863.D	09 Apr 2025 11:50		RC/JU	Ok
7	Q1744-01	B-158-SB01	BM049864.D	09 Apr 2025 12:29		RC/JU	Ok
8	Q1744-01MS	B-158-SB01MS	BM049865.D	09 Apr 2025 13:08		RC/JU	Ok
9	Q1744-01MSD	B-158-SB01MSD	BM049866.D	09 Apr 2025 13:47		RC/JU	Ok
10	Q1742-01	TR-06-040725	BM049867.D	09 Apr 2025 14:26		RC/JU	Ok,M
11	Q1746-03	B-149-SB02	BM049868.D	09 Apr 2025 15:05		RC/JU	Ok
12	Q1744-03	B-158-SB02	BM049869.D	09 Apr 2025 15:45		RC/JU	Ok
13	Q1712-01DL	Z-05ADL	BM049870.D	09 Apr 2025 16:24	Need 5X further Dilution	RC/JU	Dilution
14	Q1712-01DL2	Z-05ADL2	BM049871.D	09 Apr 2025 17:03		RC/JU	Ok,M
15	Q1743-01	TP-16	BM049872.D	09 Apr 2025 17:42		RC/JU	Ok,M
16	Q1745-09	IB-6.5-WC	BM049873.D	09 Apr 2025 18:21		RC/JU	Ok,M
17	Q1739-01	WC-LIQUID-20250404	BM049874.D	09 Apr 2025 19:01	Surrogate Fail	RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167521

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3880

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 04/08/2025

Extraction Start Time : 11:55

Extraction End Date : 04/08/2025

Extraction End Time : 16:45

Concentration By: EH

Supervisor By : rajesh

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	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	EP2599
10N NaoH	N/A	EP2569
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID: Water bath -01

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
04/08/25	RP (Ext. Lab)	AC/SVOC
16:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167521

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 04/08/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167521BL	SBLK521	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			SEP-08
PB167521BS	SLCS521	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			9
PB167521BSD	SLCSD521	SVOC-TCL BNA -20	1000	6	ritesh	rajesh	1			10
Q1739-01	WC-LIQUID-20250404	SVOC-TCL BNA -20	970	6	ritesh	rajesh	10	I	Oily	11
Q1746-05	B-158-GW01	SVOC-TCL BNA -20	980	6	ritesh	rajesh	1	G		12
Q1746-06	B-149-GW01	SVOC-TCL BNA -20	970	6	ritesh	rajesh	1	G		13
Q1746-07	EB-2025-4-7	SVOC-TCL BNA -20	970	6	ritesh	rajesh	1	G		14

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

4/9/25

16/5/21
12:00

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1741 **WorkList ID :** 188807 **Department :** Extraction **Date :** 04-08-2025 10:05:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1739-01	WC-LIQUID-20250404	Water	SVOC-TCL BNA -20	Cool 4 deg C	PARS02	L31	04/04/2025	8270E
Q1739-01	WC-LIQUID-20250404	Water	TPH GC	Cool 4 deg C	PARS02	L31	04/04/2025	8015D
Q1741-01	RMW-02B-66-040425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	L33	04/04/2025	8270-Modified
Q1741-02	RMW-02B-74-040425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	L33	04/04/2025	8270-Modified
Q1741-03	FB01-040425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	L33	04/04/2025	8270-Modified
Q1746-05	B-158-GW01	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	04/05/2025	8270E
Q1746-06	B-149-GW01	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	04/06/2025	8270E
Q1746-07	EB-2025-4-7	Water	SVOC-TCL BNA -20	Cool 4 deg C	PORT06	L41	04/07/2025	8270E

Date/Time 04/08/25 11:55
Raw Sample Received by: RJ (Sat Lab)
Raw Sample Relinquished by: CP

Date/Time 04/08/25 12:20
Raw Sample Received by: CP
Raw Sample Relinquished by: RJ (Sat Lab)

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Prep Standard - Chemical Standard Summary

Order ID : Q1739

Test : SVOC-TCL BNA -20

Prepbatch ID : PB167521,

Sequence ID/Qc Batch ID: bm040925,

Standard ID :
EP2569,EP2599,EP2865,SP6685,SP6686,SP6721,SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729,SP6752,SP6754,SP6757,

Chemical ID :
10ul/1000ul sample,E3551,E3828,E3874,E3876,E3902,E3904,E3926,M6121,S10104,S10397,S10584,S11074,S11087,S11143,S11161,S11487,S11495,S11650,S11785,S11786,S11787,S11788,S12114,S12142,S12189,S12190,S12191,S12192,S12193,S12194,S12195,S12208,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12270,S12276,S12327,S12469,S12478,S12479,S12480,S12481,S12482,S12483,S12484,S12485,S12486,S12517,S12525,S12526,S12527,S12528,S12529,S12530,S12531,S12532,S12533,S12577,S12649,S12658,S12791,S12966,S12967,S12968,S12969,S12970,S12971,S12972,S12973,S12974,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3319	6N HCL	EP2569	12/02/2024	05/13/2025	Rajesh Parikh	None	None	RUPESHKUMAR SHAH 12/02/2024

FROM 219.00000ml of M6121 + 781.00000ml of W3112 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2599	04/07/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 04/07/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6685	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.04000ml of S12189 + 0.08000ml of S12208 + 0.10000ml of S11074 + 0.20000ml of S12142 + 0.20000ml of S12469 + 0.20000ml of S12517 + 1.18000ml of E3828 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6686	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6685 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6721	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11495 + 0.50000ml of S12114 + 1.00000ml of S11087 + 1.00000ml of S11161 + 1.00000ml of S12270 + 1.00000ml of S12276 + 1.00000ml of S12791 + 3.83300ml of E3874 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
413	80 ng BNA ICC, 80 PPM	SP6722	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.20000ml of E3874 + 0.80000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6723	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.40000ml of E3874 + 0.60000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
411	50 ng BNA ICC, 50 PPM	SP6724	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6725	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.60000ml of E3874 + 0.40000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3678	20 ng BNA ICC, 20 PPM	SP6726	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.80000ml of E3874 + 0.20000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6727	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.90000ml of E3874 + 0.10000ml of SP6721 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6728	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.95000ml of E3874 + 0.05000ml of SP6721 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6729	01/30/2025	05/12/2025	Jagrut Upadhyay	None	None	Shreena Patel 02/07/2025

FROM 0.01000ml of S12649 + 0.50000ml of E3874 + 0.50000ml of SP6728 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	SP6752	03/10/2025	05/31/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 0.10000ml of S12478 + 0.30000ml of S12525 + 0.40000ml of S10397 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11487 + 0.40000ml of S11650 + 0.40000ml of S12533 + 0.40000ml of S12974 + 0.60000ml of S12486 + 0.80000ml of S12966 + 1.10000ml of S11788 + 1.20000ml of S11785 + 1.20000ml of S12483 + 1.20000ml of S12526 + 1.20000ml of S12967 + 1.20000ml of S12968 + 1.20000ml of S12970 + 1.20000ml of S12972 + 1.30000ml of S11786 + 1.30000ml of S12481 + 1.30000ml of S12482 + 1.30000ml of S12484 + 1.30000ml of S12528 + 1.30000ml of S12529 + 1.30000ml of S12531 + 1.30000ml of S12969 + 1.30000ml of S12973 + 1.40000ml of S11787 + 1.40000ml of S12479 + 1.40000ml of S12480 + 1.40000ml of S12485 + 1.40000ml of S12527 + 1.40000ml of S12530 + 1.40000ml of S12532 + 1.40000ml of S12971 + 163.00000ml of E3876 = Final Quantity: 200.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6754	03/18/2025	09/18/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 1930.00000ml of E3902 + 2.60000ml of S12216 + 2.70000ml of S12195 + 5.20000ml of S12210 + 5.30000ml of S12192 + 5.30000ml of S12194 + 5.30000ml of S12209 + 5.30000ml of S12211 + 5.30000ml of S12212 + 5.30000ml of S12213 + 5.40000ml of S12190 + 5.40000ml of S12214 + 5.60000ml of S12191 + 5.60000ml of S12215 + 5.70000ml of S12193 = Final Quantity: 2000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24G0862003	05/09/2025	11/09/2024 / Rajesh	11/04/2024 / Rajesh	E3828

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	07/30/2025	01/30/2025 / Rajesh	01/20/2025 / Rajesh	E3874

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	08/25/2025	02/25/2025 /	02/12/2025 / Rajesh	E3876

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	09/18/2025	03/18/2025 / RUPESH	02/12/2025 / RUPESH	E3902

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	0000275677	05/13/2025	11/13/2024 / Eman	10/13/2024 / Eman	M6121

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	07/30/2025	01/30/2025 / anahy	12/09/2021 / Christian	S10104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	05/31/2025	01/29/2025 / anahy	05/18/2022 / Christian	S10397

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	06/30/2025	01/29/2025 / anahy	07/05/2022 / Christian	S10584

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0187043	05/15/2025	11/15/2024 / Jagrut	02/06/2023 / Christian	S11074

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	406703	07/30/2025	01/30/2025 / anahy	02/07/2023 / Christian	S11087

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	06/21/2025	01/30/2025 / anahy	03/06/2023 / Christian	S11161

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	08/31/2026	01/29/2025 / anahy	08/10/2023 / yogesh	S11487

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	05/12/2025	11/12/2024 / Jagrut	08/11/2023 / Yogesh	S11495

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	07/29/2025	01/29/2025 / anahy	11/21/2023 / Rahul	S11785

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11786

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11787

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	05/12/2025	11/12/2024 / Jagrut	03/08/2024 / Rahul	S12114

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0203726	04/30/2025	11/14/2024 / anahy	03/15/2024 / Rahul	S12142

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	04/10/2025	10/10/2024 / anahy	03/15/2024 / Rahul	S12189

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12190

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12191

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12192

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12193

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12194

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	05/15/2025	11/15/2024 / Jagrut	03/15/2024 / Rahul	S12208

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12209

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12210

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12211

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12212

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12213

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12215

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	07/30/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12270

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	05/12/2025	11/12/2024 / Jagrut	05/24/2024 / Rahul	S12276

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0206540	05/12/2025	11/12/2024 / anahy	05/30/2024 / Rahul	S12327

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12469

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12478

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12479

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12480

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12481

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12482

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12483

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12484

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12485

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12486

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	05/14/2025	11/14/2024 / anahy	07/23/2024 / RAHUL	S12517

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	07/29/2025	01/29/2025 / anahy	07/23/2024 / RAHUL	S12525

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12526

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12527

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12528

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12529

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12530

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12531

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12532

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12533

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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	07/21/2025	01/21/2025 / anahy	09/20/2024 / anahy	S12649

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	04/30/2030	04/07/2025 / anahy	09/20/2024 / anahy	S12658

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	06/21/2025	01/30/2025 / anahy	05/24/2024 / Rahul	S12791

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	07/29/2025	01/29/2025 / anahy	12/11/2024 / anahy	S12966

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12967

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12968

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12969

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12970

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12971

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12972

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12973

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CPI INTERNATIONAL

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Santa Rosa, CA 95403

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(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	406703	≤ -10 °C	Methylene Chloride	3/30/2025	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	99.5	74.3.26P	989 ± 7.53

Received on
02/07/23
by
CG

S11084
to
S11088

*Not a certified value

Certified By: _____
Jacob Mulloy
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricllly.

CPI INTERNATIONAL

5580 Skylane Blvd
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(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione

Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Received by CG on 05/19/22
S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

Description : Custom 4-Nitrophenol Standard

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

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

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100	µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622	µg/mL	Unstressed
	Purity 99%		+/- 905.6020	µg/mL	Stressed

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

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **Balance:** 1128342314

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

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

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

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

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

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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

Handling Notes:

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

RESTEK® CERTIFIED REFERENCE MATERIAL

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

www.restek.com

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Received on 02/06/23 by CG

S11071 to S11075

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

Description : 1,4-dioxane

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

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

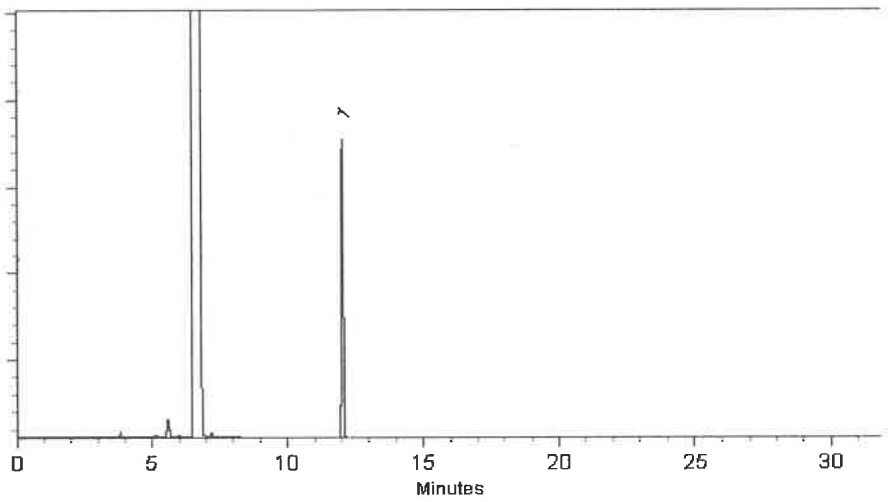
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID



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

Brittany Federinko - Operations Tech I

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

Marlina Cowan – Operations Tech II ARM QC

Date Passed: 12-Jul-2022

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

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

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

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

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

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

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

:es:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

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

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

erage factor of 2, which gives a level of confidence of approximately 95%.

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

Notes:

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

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

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

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MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

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

Recd. by RB on 7/24/23 E3551

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

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 24J0862003
Manufactured Date: 2024-09-12
Expiration Date:2025-12-12
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	2
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

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

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

E 3828

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

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

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

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

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

E 3874

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

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

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

E 3902

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-1308 PRODUCT CODE: SHIP DATE: 2/7/25

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

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

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

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

E 3926

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Hydrochloric Acid, 36.5-38.0%
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis

avantor™ | J.T.Baker®

R → 10/13/24
Met dig

M 6121

Material No.: 9530-33
Batch No.: 0000275677
Manufactured Date: 2020/12/16
Retest Date: 2025/12/15
Revision No: 1

Certificate of Analysis

Test	Specification	Result
ACS - Assay (as HCl) (by acid-base titrn)	36.5 - 38.0 %	37.6
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	1
ACS - Specific Gravity at 60°/60°F	1.185 - 1.192	1.190
ACS - Bromide (Br)	<= 0.005 %	< 0.005
ACS - Extractable Organic Substances	<= 5 ppm	1
ACS - Free Chlorine (as Cl_2)	<= 0.5 ppm	< 0.5
Phosphate (PO_4)	<= 0.05 ppm	< 0.03
Sulfate (SO_4)	<= 0.5 ppm	< 0.3
Sulfite (SO_3)	<= 0.8 ppm	0.3
Ammonium (NH_4)	<= 3 ppm	< 1
Trace Impurities - Arsenic (As)	<= 0.010 ppm	< 0.003
Trace Impurities - Aluminum (Al)	<= 10.0 ppb	< 0.2
Arsenic and Antimony (as As)	<= 5 ppb	< 3
Trace Impurities - Barium (Ba)	<= 1.0 ppb	< 0.2
Trace Impurities - Beryllium (Be)	<= 1.0 ppb	< 0.2
Trace Impurities - Bismuth (Bi)	<= 10.0 ppb	< 1.0
Trace Impurities - Boron (B)	<= 20.0 ppb	< 5.0
Trace Impurities - Cadmium (Cd)	<= 1.0 ppb	< 0.3
Trace Impurities - Calcium (Ca)	<= 50.0 ppb	29.7
Trace Impurities - Chromium (Cr)	<= 1.0 ppb	< 0.4
Trace Impurities - Cobalt (Co)	<= 1.0 ppb	< 0.3
Trace Impurities - Copper (Cu)	<= 1.0 ppb	< 0.1
Trace Impurities - Gallium (Ga)	<= 1.0 ppb	< 0.2

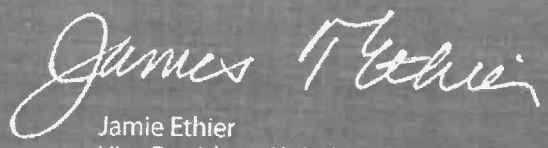
For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

Material No.: 9530-33
Batch No.: 0000275677

Test	Specification	Result
Trace Impurities - Germanium (Ge)	<= 3.0 ppb	< 2.0
Trace Impurities - Gold (Au)	<= 4.0 ppb	< 0.2
Heavy Metals (as Pb)	<= 100 ppb	< 50
Trace Impurities - Iron (Fe)	<= 15.0 ppb	<1
Trace Impurities - Lead (Pb)	<= 1.0 ppb	< 0.5
Trace Impurities - Lithium (Li)	<= 1.0 ppb	0.2
Trace Impurities - Magnesium (Mg)	<= 10.0 ppb	0.4
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	< 0.4
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	0.1
Trace Impurities - Molybdenum (Mo)	<= 10.0 ppb	< 5.0
Trace Impurities - Nickel (Ni)	<= 4.0 ppb	< 0.3
Trace Impurities - Niobium (Nb)	<= 1.0 ppb	< 0.2
Trace Impurities - Potassium (K)	<= 9.0 ppb	< 2.0
Trace Impurities - Selenium (Se), For Information Only	ppb	1.0
Trace Impurities - Silicon (Si)	<= 100.0 ppb	< 10.0
Trace Impurities - Silver (Ag)	<= 1.0 ppb	< 0.3
Trace Impurities - Sodium (Na)	<= 100.0 ppb	< 5.0
Trace Impurities - Strontium (Sr)	<= 1.0 ppb	< 0.2
Trace Impurities - Tantalum (Ta)	<= 1.0 ppb	< 0.9
Trace Impurities - Thallium (Tl)	<= 5.0 ppb	< 2.0
Trace Impurities - Tin (Sn)	<= 5.0 ppb	< 0.8
Trace Impurities - Titanium (Ti)	<= 1.0 ppb	0.2
Trace Impurities - Vanadium (V)	<= 1.0 ppb	< 0.2
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	0.3
Trace Impurities - Zirconium (Zr)	<= 1.0 ppb	< 0.1

For Laboratory, Research or Manufacturing Use
Product Information (not specifications):
Appearance (clear, fuming liquid)
Meets ACS Specifications

Country of Origin: US
Packaging Site: Phillipsburg Mfg Ctr & DC



Jamie Ethier
Vice President Global Quality

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials, LLC
100 Matsonford Rd, Suite 200, Radnor, PA 19087. U.S.A. Phone: 610.386.1700

RESTEK

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

S11484 ↓ S11493 Y.P. 08/10/23

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

Description : Custom 2,4-Dinitrophenol Standard

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

Tom Suckar - Mix Technician **Date Mixed:** 02-Aug-2023 **Balance:** 1128342314

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom Pentachlorophenol Standard

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

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

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

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

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

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

Josh McCloskey - Operations Technician I

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

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

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

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

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

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

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

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

Quality Confirmation Test

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

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

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

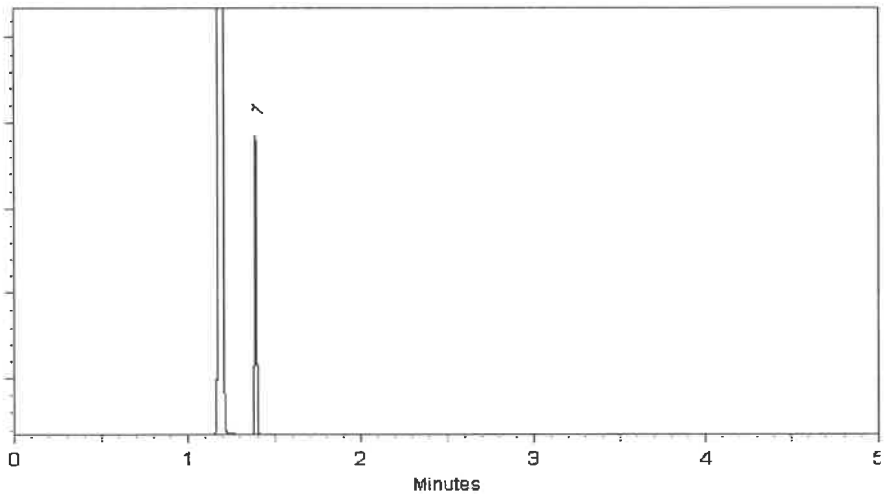
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

Manufacturing Notes:

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

Handling Notes:

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

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

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

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

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

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

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

Quality Confirmation Test

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

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

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

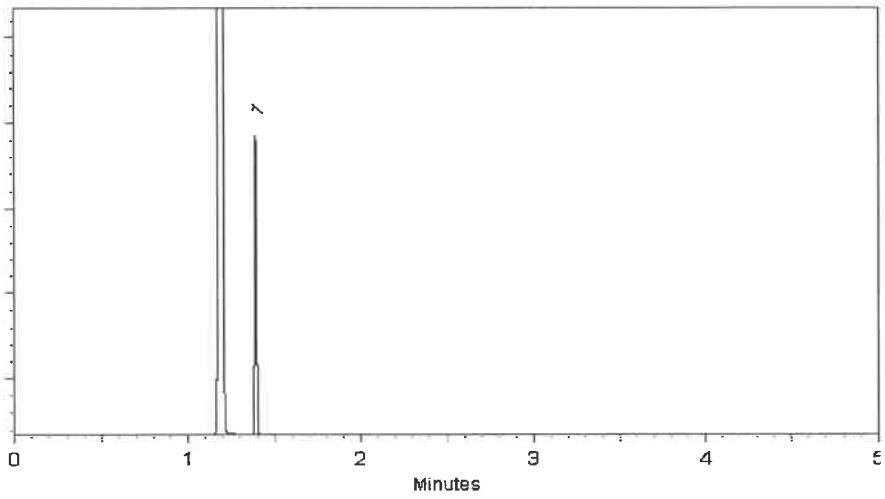
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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Manufacturing Notes:

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

Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

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

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

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

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

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

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

Quality Confirmation Test

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

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

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

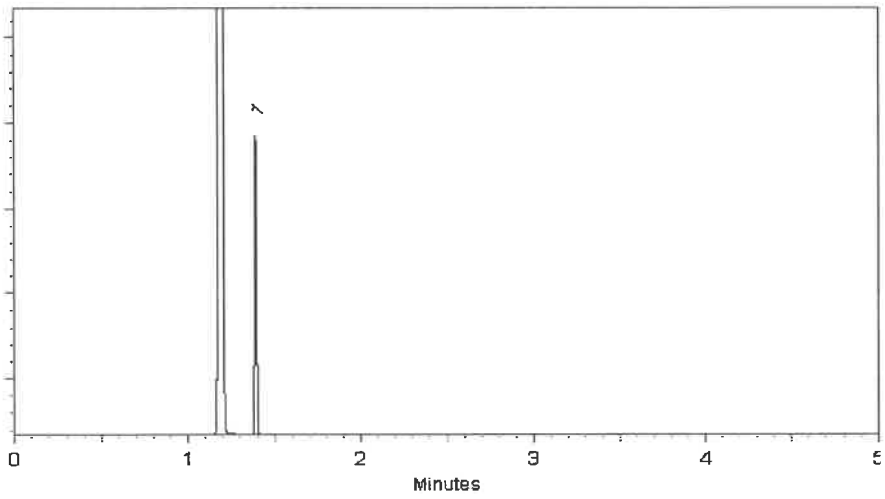
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

Manufacturing Notes:

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Handling Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

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

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

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

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

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

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

Quality Confirmation Test

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

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

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

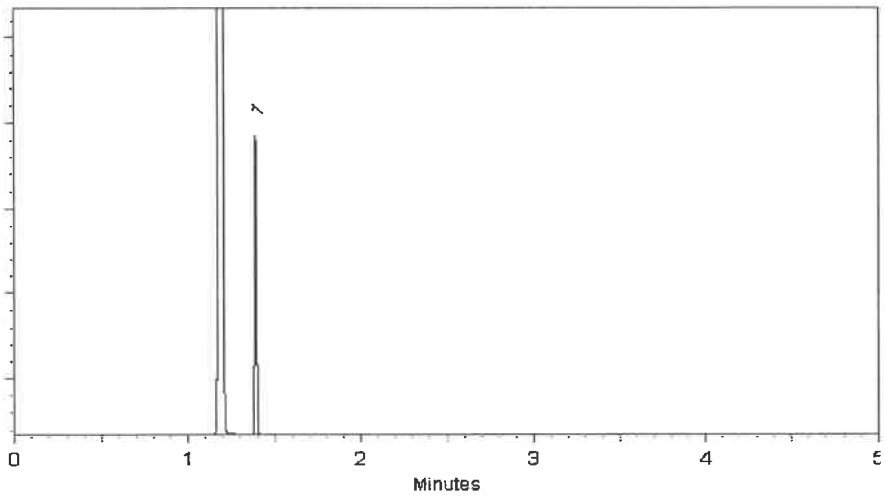
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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Certified Uncertainty Value Notes:

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Manufacturing Notes:

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CPI INTERNATIONAL

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Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31850 **Lot No.:** A0203726

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12117 ↓ S12146 RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,001.6 µg/mL	+/- 36.4412
2	N-Nitrosodimethylamine	62-75-9	230209JLM	99%	1,005.9 µg/mL	+/- 36.5968
3	Phenol	108-95-2	MKCK1120	99%	1,003.3 µg/mL	+/- 36.5038
4	Aniline	62-53-3	X22F726	99%	1,005.8 µg/mL	+/- 36.5928
5	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,008.1 µg/mL	+/- 36.6776
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,001.8 µg/mL	+/- 36.4492
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,002.3 µg/mL	+/- 36.4654
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,003.7 µg/mL	+/- 36.5159
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,008.7 µg/mL	+/- 36.6979
10	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,000.3 µg/mL	+/- 36.3926
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,003.5 µg/mL	+/- 36.5099
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,007.3 µg/mL	+/- 36.6493
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	504.3 µg/mL	+/- 18.3500
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.6 µg/mL	+/- 18.3237
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,008.3 µg/mL	+/- 36.6857
16	Hexachloroethane	67-72-1	QTORH	99%	1,007.5 µg/mL	+/- 36.6554
17	Nitrobenzene	98-95-3	10224044	99%	1,008.6 µg/mL	+/- 36.6938

18	Isophorone	78-59-1	MKCC9506	99%	1,005.9	µg/mL	+/- 36.5988
19	2-Nitrophenol	88-75-5	RP230710	99%	1,003.2	µg/mL	+/- 36.4998
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 36.5200
21	Bis(2-chloroethoxy)methane	111-91-1	13670200	99%	1,002.1	µg/mL	+/- 36.4573
22	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,003.7	µg/mL	+/- 36.5180
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,007.6	µg/mL	+/- 36.6574
24	Naphthalene	91-20-3	STBL1057	99%	1,008.3	µg/mL	+/- 36.6837
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,001.3	µg/mL	+/- 36.4290
26	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,008.3	µg/mL	+/- 36.6829
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.1	µg/mL	+/- 36.4937
28	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,001.9	µg/mL	+/- 36.4505
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	1,000.0	µg/mL	+/- 36.3838
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,008.5	µg/mL	+/- 36.6909
31	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,004.4	µg/mL	+/- 36.5442
32	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,001.9	µg/mL	+/- 36.4512
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,001.1	µg/mL	+/- 36.4230
34	2-Nitroaniline	88-74-4	RP230531	99%	1,002.9	µg/mL	+/- 36.4876
35	1,4-Dinitrobenzene	100-25-4	RP230816	99%	1,005.7	µg/mL	+/- 36.5887
36	Acenaphthylene	208-96-8	p06V	98%	1,009.5	µg/mL	+/- 36.7265
37	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,004.4	µg/mL	+/- 36.5422
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.9	µg/mL	+/- 36.5968
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,003.2	µg/mL	+/- 36.4998
40	1,2-Dinitrobenzene	528-29-0	RP230428	99%	1,002.2	µg/mL	+/- 36.4634
41	Acenaphthene	83-32-9	MKCR7169	99%	1,009.3	µg/mL	+/- 36.7221
42	3-Nitroaniline	99-09-2	RP230822RSR	99%	1,003.9	µg/mL	+/- 36.5240
43	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,002.0	µg/mL	+/- 36.4553
44	Dibenzofuran	132-64-9	MKCD9952	99%	1,006.7	µg/mL	+/- 36.6251
45	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,003.8	µg/mL	+/- 36.5220
46	4-Nitrophenol	100-02-7	RP230627	99%	1,002.3	µg/mL	+/- 36.4674
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-30126	99%	1,008.7	µg/mL	+/- 36.6979
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP230919	99%	1,006.3	µg/mL	+/- 36.6130
49	Fluorene	86-73-7	10241100	99%	1,008.3	µg/mL	+/- 36.6857
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.8	µg/mL	+/- 36.5220
51	Diethylphthalate	84-66-2	MKCD2547	99%	1,008.6	µg/mL	+/- 36.6958
52	4-Nitroaniline	100-01-6	RP230111	99%	1,001.1	µg/mL	+/- 36.4230
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	1,002.0	µg/mL	+/- 36.4553

54	Diphenylamine	122-39-4	MKCH1042	99%	1,002.3	µg/mL	+/- 36.4674
55	Azobenzene	103-33-3	BCCK0887	99%	1,005.8	µg/mL	+/- 36.5928
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,003.0	µg/mL	+/- 36.4917
57	Hexachlorobenzene	118-74-1	14821700	99%	1,007.5	µg/mL	+/- 36.6554
58	Pentachlorophenol	87-86-5	RP230530RSR	99%	1,008.8	µg/mL	+/- 36.7019
59	Phenanthrene	85-01-8	MKCQ8876	99%	1,008.4	µg/mL	+/- 36.6877
60	Anthracene	120-12-7	MKCR0570	99%	1,009.0	µg/mL	+/- 36.7100
61	Carbazole	86-74-8	14351100	99%	1,000.9	µg/mL	+/- 36.4149
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.6	µg/mL	+/- 36.6595
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,009.6	µg/mL	+/- 36.7302
64	Pyrene	129-00-0	BCCG8479	98%	1,007.2	µg/mL	+/- 36.6453
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,002.1	µg/mL	+/- 36.4573
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.2	µg/mL	+/- 36.5705
67	Benz(a)anthracene	56-55-3	I220012022BAA	99%	1,002.2	µg/mL	+/- 36.4614
68	Chrysene	218-01-9	RP230601	99%	1,008.3	µg/mL	+/- 36.6837
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,001.8	µg/mL	+/- 36.4472
70	Di-n-octyl phthalate	117-84-0	14382700	99%	1,006.0	µg/mL	+/- 36.6008
71	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,002.8	µg/mL	+/- 36.4836
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.0	µg/mL	+/- 36.4917
73	Benzo(a)pyrene	50-32-8	P54915-0703	99%	1,002.3	µg/mL	+/- 36.4674
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,009.4	µg/mL	+/- 36.7243
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,007.6	µg/mL	+/- 36.6595
76	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,002.9	µg/mL	+/- 36.4876

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

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

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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Acid Surrogate Mix (4/89 SOW)

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

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

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

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

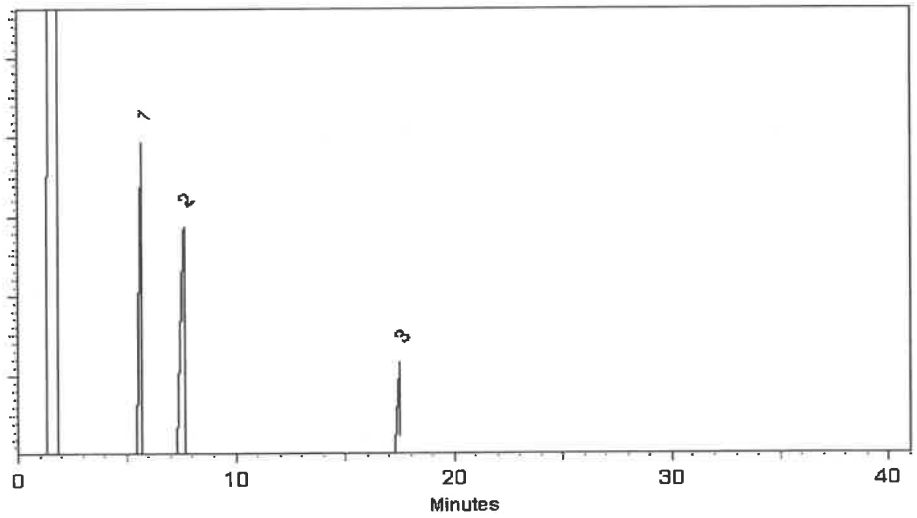
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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

Penelope Riglin - Operations Tech I

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

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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

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

Description : Acid Surrogate Mix (4/89 SOW)

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

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

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

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

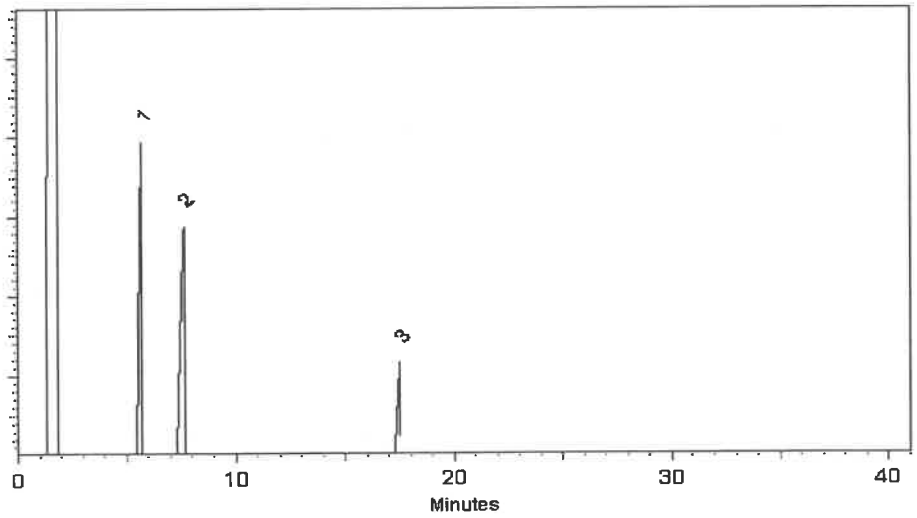
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

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

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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

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CERTIFIED REFERENCE MATERIAL

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Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Acid Surrogate Mix (4/89 SOW)

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

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

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

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

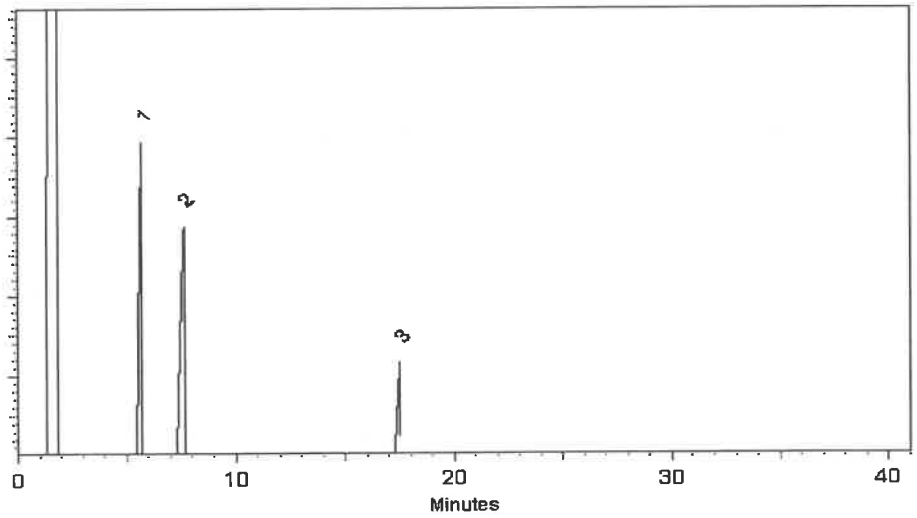
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

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

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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

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Certificate of Analysis

chromatographic plus

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

Description : Acid Surrogate Mix (4/89 SOW)

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

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

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

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

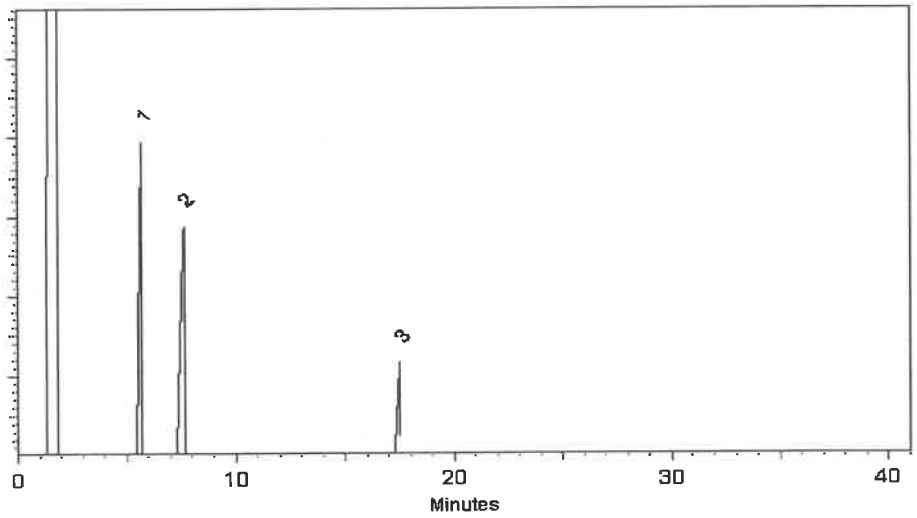
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

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

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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

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Certificate of Analysis

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

Description : Acid Surrogate Mix (4/89 SOW)

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

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

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

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

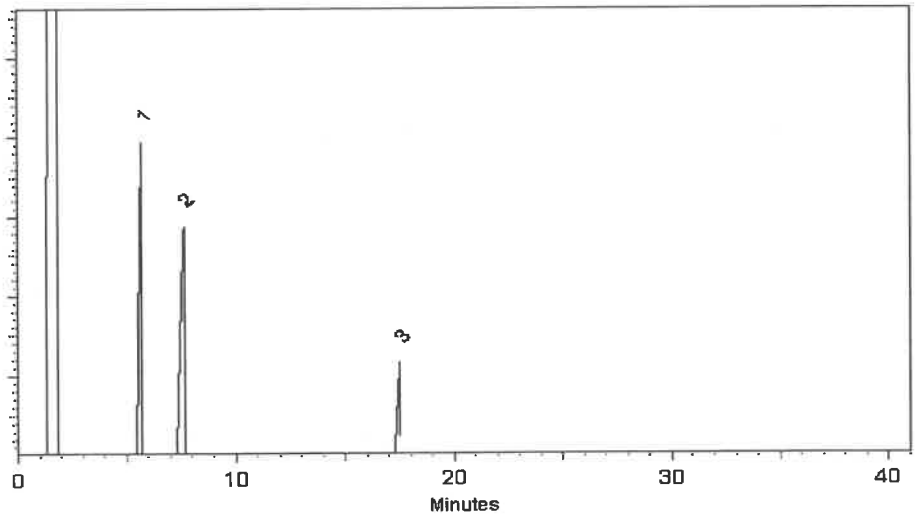
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

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

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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

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Certificate of Analysis

chromatographic plus

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

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

Description : Acid Surrogate Mix (4/89 SOW)

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

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

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

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

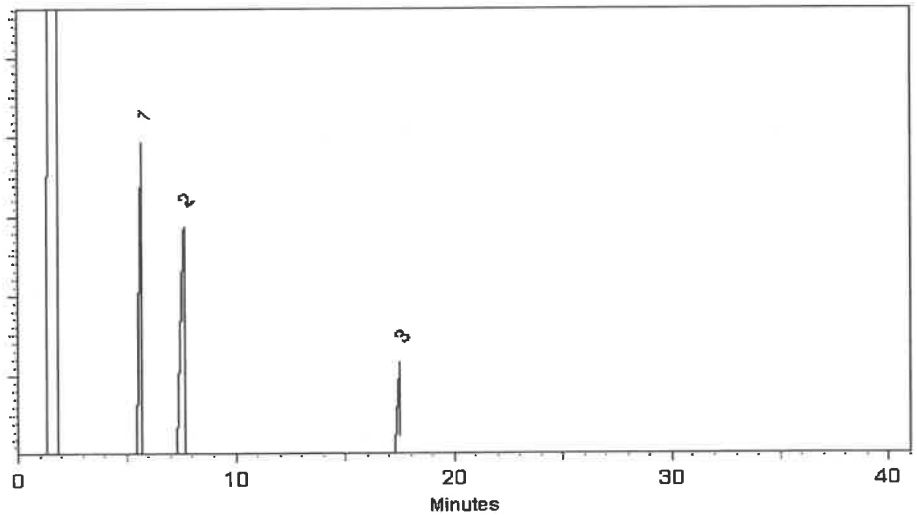
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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

Penelope Riglin - Operations Tech I

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

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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

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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Acid Surrogate Mix (4/89 SOW)

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

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

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

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

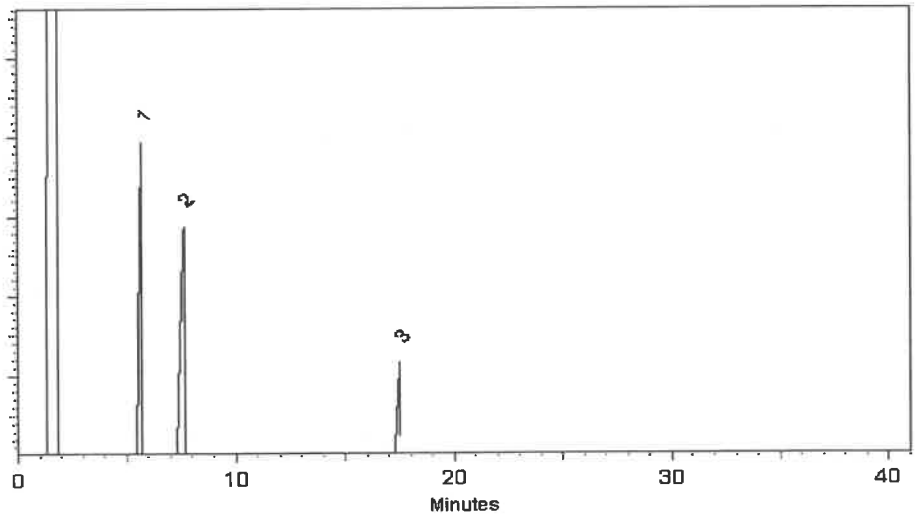
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

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

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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Certificate of Analysis

chromatographic plus

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

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

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

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

S12207 ↓ S12221 RC 03/18/24

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

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

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

CERTIFIED VALUES

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

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

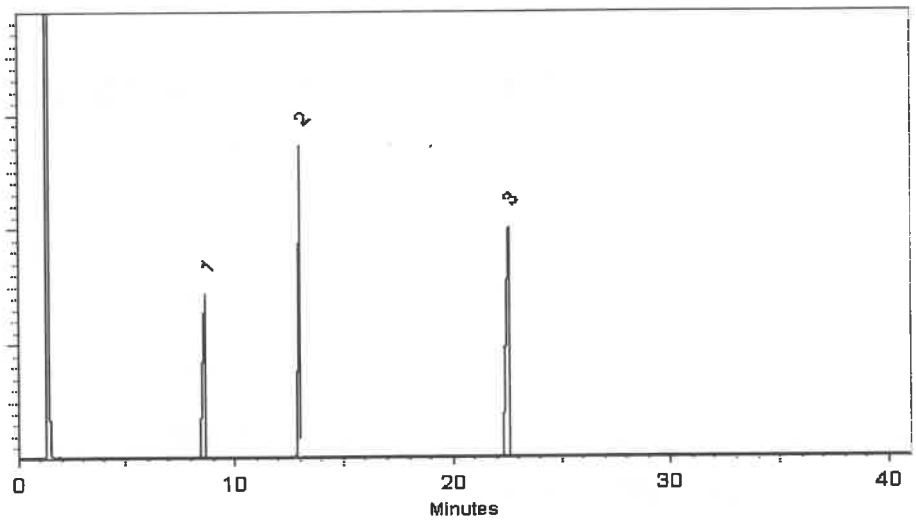
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

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

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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

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Certificate of Analysis

chromatographic plus

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

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

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

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

S12207 ↓ S12221 RC 03/18/24

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

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

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

CERTIFIED VALUES

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

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

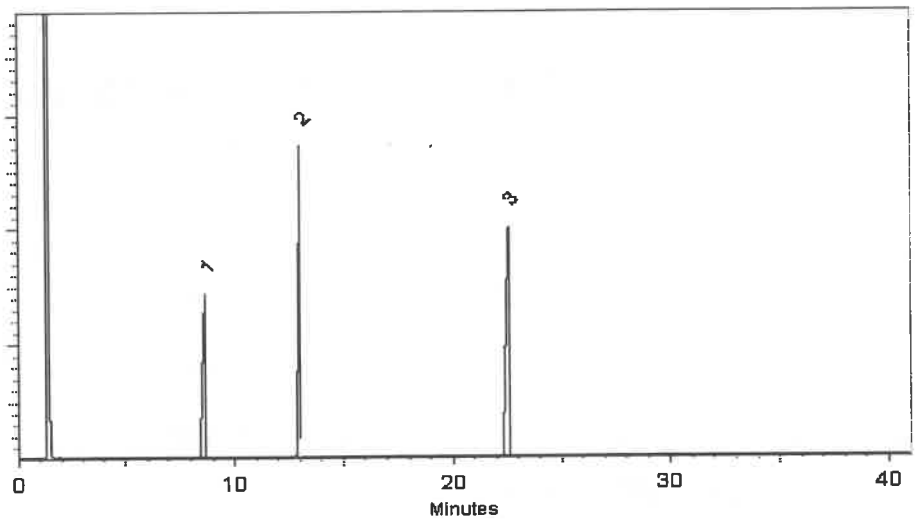
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

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

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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

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Certificate of Analysis

chromatographic plus

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

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

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

S12207 ↓ S12221 RC 03/18/24

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

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

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

CERTIFIED VALUES

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

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

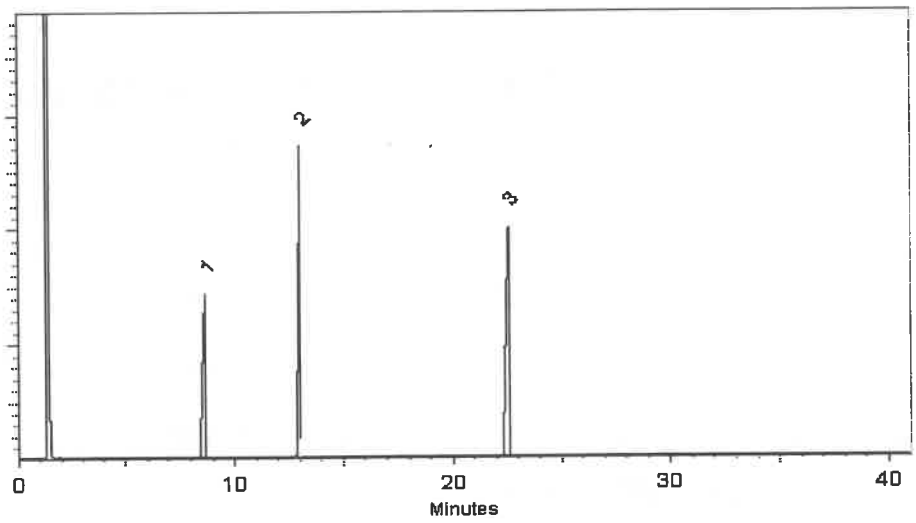
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

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

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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Certificate of Analysis

chromatographic plus

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

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

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

S12207 ↓ S12221 RC 03/18/24

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

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

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

CERTIFIED VALUES

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

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

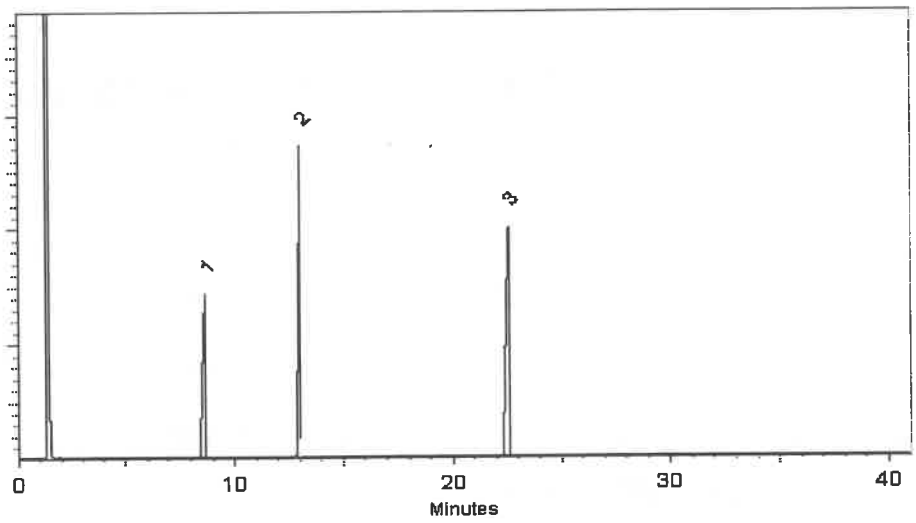
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

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

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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

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CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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Certificate of Analysis

chromatographic plus

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

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

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

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

S12207 ↓ S12221 RC 03/18/24

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

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

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

CERTIFIED VALUES

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

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

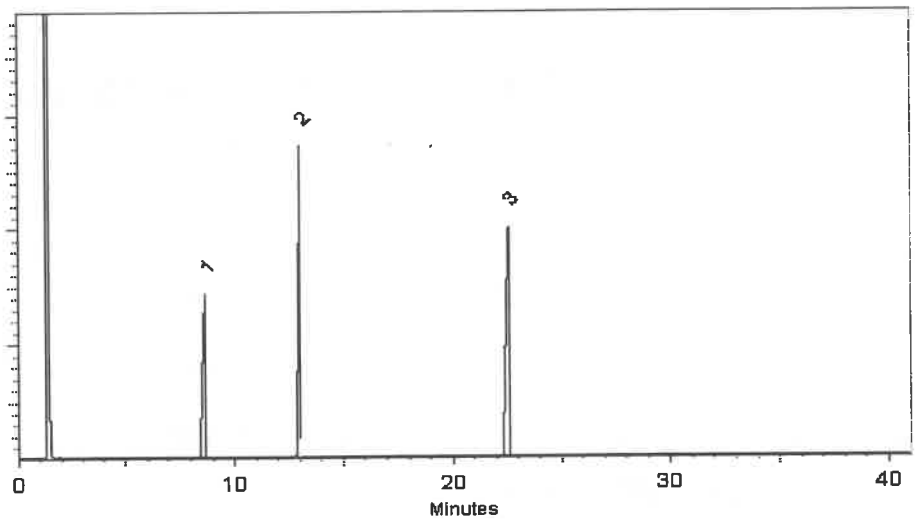
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

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

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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Certificate of Analysis

chromatographic plus

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

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

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

S12207 ↓ S12221 RC 03/18/24

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

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

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

CERTIFIED VALUES

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

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

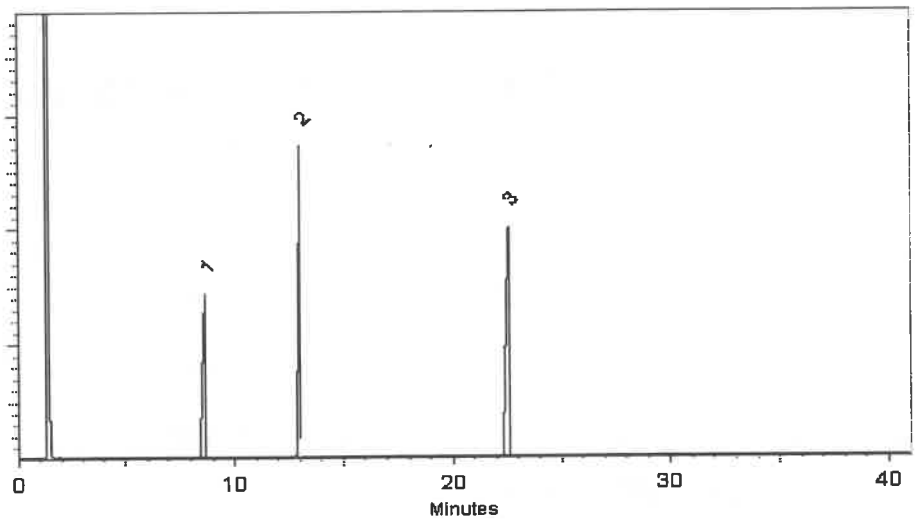
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Jess Hoy - Operations Tech I

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

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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

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

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

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

S12207 ↓ S12221 RC 03/18/24

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

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

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

CERTIFIED VALUES

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

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

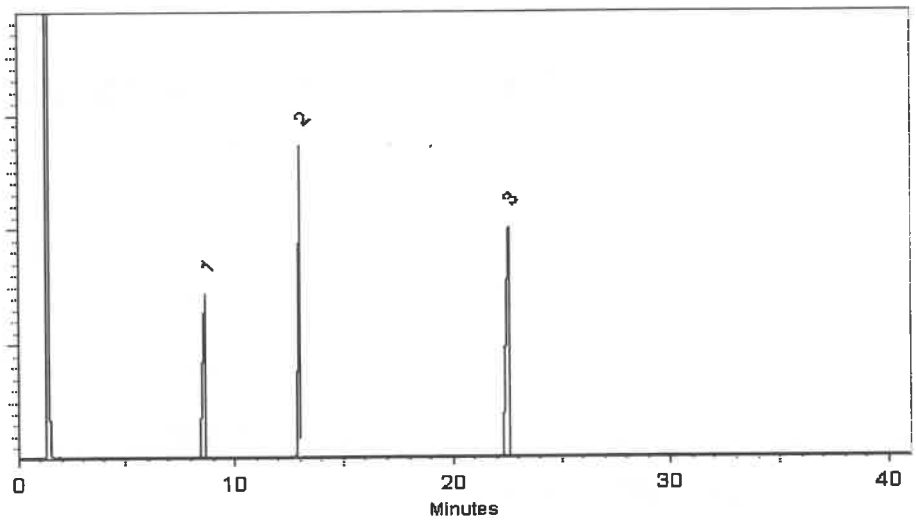
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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

Jess Hoy - Operations Tech I

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

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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

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Tel: 1-814-353-1300
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Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

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

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

S12207 ↓ S12221 RC 03/18/24

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

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

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

CERTIFIED VALUES

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

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

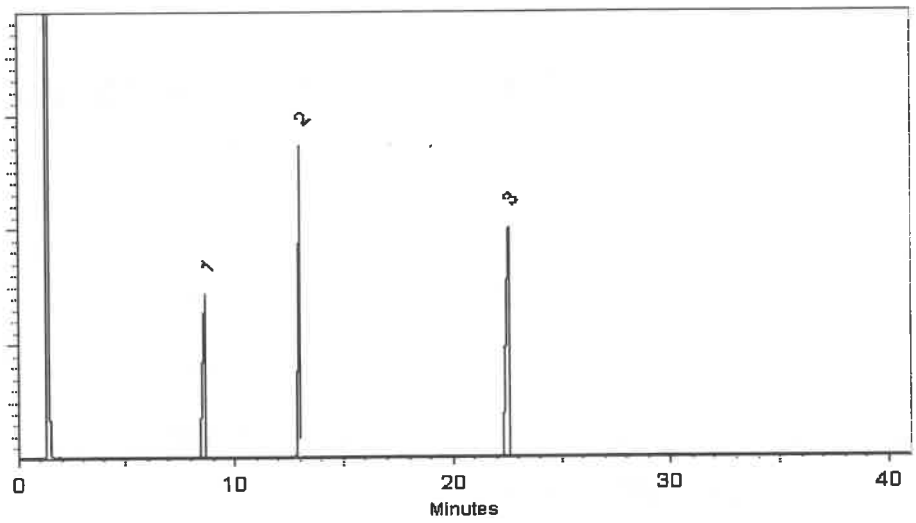
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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

Jess Hoy - Operations Tech I

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

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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

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Certificate of Analysis

chromatographic plus

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

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

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

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

S12207 ↓ S12221 RC 03/18/24

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

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

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

CERTIFIED VALUES

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

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

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

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

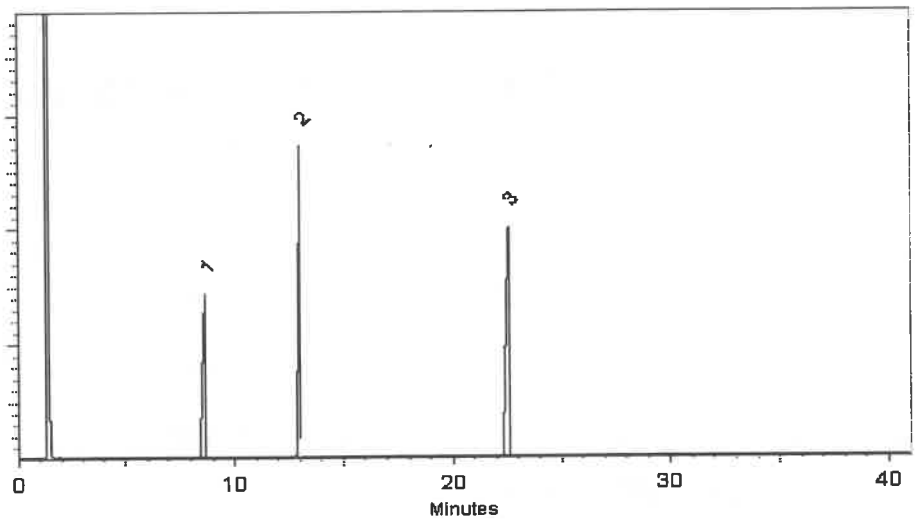
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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

Jess Hoy - Operations Tech I

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

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

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

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Santa Rosa, CA 95403

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(800)878-7654 Toll Free
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Manufacturer's Quality System
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by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC/ 05/24/24

*Not a certified value

Kerry E Kane

Certified By: _____

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

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Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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Certificate of Analysis

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S12312 ↓ S12331 } RC/ 05/30/24

Catalog No. : 31206 **Lot No.:** A0206540

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

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

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

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,007.1 µg/mL	+/- 90.4025
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,005.9 µg/mL	+/- 90.3454
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,007.9 µg/mL	+/- 90.4385
4	Phenanthrene-d10	1517-22-2	PR-32303	99%	2,006.7 µg/mL	+/- 90.3845
5	Chrysene-d12	1719-03-5	PR-32210	99%	2,015.5 µg/mL	+/- 90.7778
6	Perylene-d12	1520-96-3	PR-33205	99%	2,014.7 µg/mL	+/- 90.7448

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

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

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

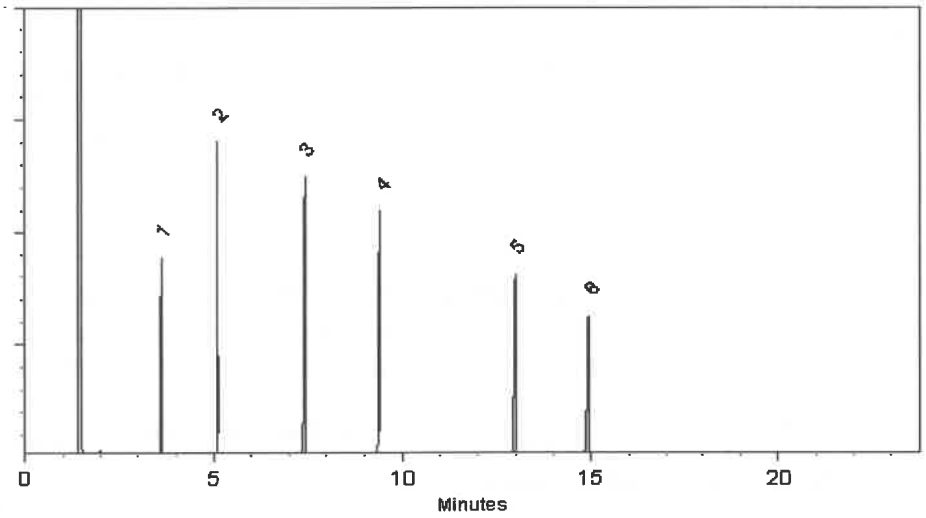
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Malina Homan - Operations Technician I

Date Mixed: 12-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 16-Jan-2024

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

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

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

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

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

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

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

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

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Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

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

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

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

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

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

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

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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

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

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Manufacturing Notes:

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

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Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

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

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

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

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

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

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

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

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

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II **Date Mixed:** 18-Jul-2024 **Balance:** 1128353505

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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

Description : Custom 8270 Plus Standard #2

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

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

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

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

Description : Custom 8270 Plus Standard #2

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

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

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

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

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

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

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

S12509 ↓ S12568 } RC/ 7/24/24

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Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

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Handling Notes:

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

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CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
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Certificate #3222.01

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Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

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

Description : Custom 8270 Plus Standard #2

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

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

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

General Certified Reference Material Notes

Expiration Notes:

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

Purity Notes:

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

Certified Uncertainty Value Notes:

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

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

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

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

Manufacturing Notes:

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

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

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

Description : Custom 8270 Plus Standard #2

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

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

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

General Certified Reference Material Notes

Expiration Notes:

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Manufacturing Notes:

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

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

Description : Custom 8270 Plus Standard #2

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

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

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

General Certified Reference Material Notes

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

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

Description : Custom 8270 Plus Standard #2

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

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

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

General Certified Reference Material Notes

Expiration Notes:

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gravimetric

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

Description : Custom 8270 Plus Standard #2

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

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

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

Ship: Ambient

CERTIFIED VALUES

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

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

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

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

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

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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

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

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

Manufacturing Notes:

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

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

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

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

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

S12577 ↓ S12579 } RC 8/2/24

Quality Confirmation Test

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

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

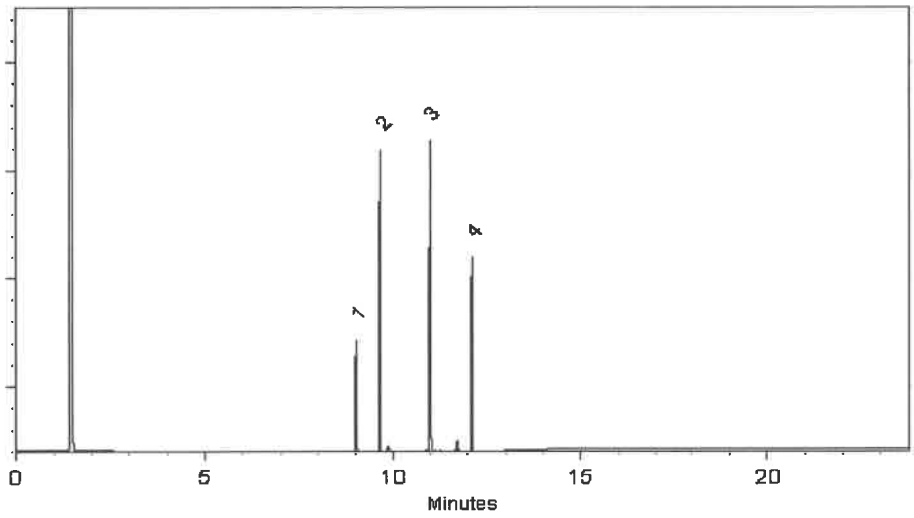
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



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

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

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

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

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

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

S12645 ↓ S12674 AC 10/1/24

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Certificate of Analysis

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

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

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

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

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

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

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

~~S12280~~ → ~~S12284~~ RCI 05/24/24

New numbers Generated.

S12790 → S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

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

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

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

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

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

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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CERTIFIED REFERENCE MATERIAL

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

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

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

Tech Tips:
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8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

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2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

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

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S12963 ↓ S12992 AC 12/17/24

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2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

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

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

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

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

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

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

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

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

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

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

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

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963 ↓ S12992 AC 12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302



54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

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

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

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q1739
COC Number 2045994

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Parsons
ADDRESS: 301 Plainfied Rd
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen Liberatore
PHONE: 315-552-9738 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Con Ed 11th Ave
PROJECT NO.: LOCATION: 11th Ave New York, NY
PROJECT MANAGER: Stephen Liberatore
e-mail: Stephen.Liberatore@parsons.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Parsons PO#: 454053
ADDRESS: 301 Plainfied Road
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen Liberatore PHONE: 315-552-9738

DATA TURNAROUND INFORMATION

FAX (RUSH) 5-day rush DAYS*
HARDCOPY (DATA PACKAGE): 5-day rush DAYS*
EDD: 5-day rus DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 TPH
2 TCLP Pesticide/Herbicide
3 Flash Point/TCLP VOA
4 SVOC-TCL BNA-20/PCB
5 TCLP BNA/Extraction
6 pH Reactive Cyanide/Sulfide
7 VOC-TCL VOA-10/
8 Mercury Metals TCP-TAL
9 TCLP ICP Metals/Mercury

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 H2SO4	2 ICE	3 ICE	4 E	5 E	6 E	7 HCl	8 HNO3	9 ICE	COMMENTS
1.	WC-Liquid_20250404	L	X		4/4/25	0940	16	X	X	X	X	X	X	X	X	X	
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Francine Phillips	4/4/25 1400	1. 1460 4-4-25
2.		2.
3.	4-4-25 1630	3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 2.4 °C
Comments: Include kirstenovalentini@parsons.com

Temp 2.4 C Adjustment Factor +1 IR Gun #1

Page 1 of 1

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

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

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

Laboratory Certification

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1739 PARS02
Client Name : PARSONS Engineering of N
Client Contact : Stephen Liberatore
Invoice Name : PARSONS Engineering of N
Invoice Contact : Stephen Liberatore

Order Date : 4/4/2025 2:08:31 PM
Project Name : Con Edison - 11th Ave-Wes
Receive DateTime : 4/4/2025 ~~12:00:00 AM~~
Purchase Order : 04:30 PM

yg
04/11/25

Project Mgr :
Report Type : ~~Results Only~~ Level 4
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1739-01	WC-LIQUID-20250404	Water	04/04/2025	09:40					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By : [signature]
Date / Time : 4/7/25 0915

Received By : [signature]
Date / Time : 4/7/25 09:15

Storage Area : VOA Refridgerator Room

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