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Cover Page

Order ID : Q3422

Project ID : AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206

Client : AECOM

Lab Sample Number	Client Sample Number
Q3422-01	PR132-S15-000008-20251021
Q3422-02	PR132-FB2-20251021

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: 11/3/2025

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 #: **Q3422**

	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: **SOHIL JODHANI** **Date:** **11/03/2025**

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LAB CHRONICLE

OrderID:	Q3422	**OrderDate:**	10/22/2025 11:11:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC -
Contact:	Rob Forstner	**Location:**	20093795 171208 Soil,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3422-01	**PR132-S15-000008-20251021**	**SOIL**			**10/21/25**			**10/21/25**
			SVOC-TCL BNA -20	8270E		10/23/25	10/27/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3422

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**PR132-S15-000008-20251021**								
Q3422-01	PR132-S15-000008-2025	SOIL	Fluoranthene		190.000	J	51.5	290	ug/Kg
Q3422-01	PR132-S15-000008-2025	SOIL	Pyrene		150.000	J	61.8	290	ug/Kg
			Total Svoc :		**340.00**				
Q3422-01	PR132-S15-000008-2025	SOIL	.beta.-iso-Methyl ionone	*	220.000	J	0	0	ug/Kg
Q3422-01	PR132-S15-000008-2025	SOIL	Benzophenone	*	170.000	J	0	0	ug/Kg
			Total Tics :		**390.00**				
			Total Concentration:		**730.00**				

QC SUMMARY

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

SW-846

SDG No.: Q3422

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170215BL	PB170215BL	2-Fluorophenol	150	139	92		18	112
		Phenol-d6	150	139	92		15	107
		Nitrobenzene-d5	100	110	110	*	18	107
		2-Fluorobiphenyl	100	96.8	97		20	109
		2,4,6-Tribromophenol	150	161	108		10	116
		Terphenyl-d14	100	90.8	91		10	105
PB170215BS	PB170215BS	2-Fluorophenol	150	125	83		18	112
		Phenol-d6	150	125	83		15	107
		Nitrobenzene-d5	100	95.4	95		18	107
		2-Fluorobiphenyl	100	79.6	80		20	109
		2,4,6-Tribromophenol	150	144	96		10	116
		Terphenyl-d14	100	83.3	83		10	105
Q3419-02MS	PR-132-S16-015094-20251021MS	2-Fluorophenol	150	95.5	64		18	112
		Phenol-d6	150	99.7	66		15	107
		Nitrobenzene-d5	100	76.9	77		18	107
		2-Fluorobiphenyl	100	60.3	60		20	109
		2,4,6-Tribromophenol	150	123	82		10	116
		Terphenyl-d14	100	60.4	60		10	105
Q3419-03MSD	PR-132-S16-015094-20251021MSD	2-Fluorophenol	150	92.9	62		18	112
		Phenol-d6	150	92.6	62		15	107
		Nitrobenzene-d5	100	74.9	75		18	107
		2-Fluorobiphenyl	100	58.4	58		20	109
		2,4,6-Tribromophenol	150	118	79		10	116
		Terphenyl-d14	100	57.1	57		10	105
Q3422-01	PR132-S15-000008-20251021	2-Fluorophenol	150	58.8	39		18	112
		Phenol-d6	150	55.4	37		15	107
		Nitrobenzene-d5	100	39.2	39		18	107
		2-Fluorobiphenyl	100	34.8	35		20	109
		2,4,6-Tribromophenol	150	58.3	39		10	116
		Terphenyl-d14	100	34.1	34		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064627.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3419-02MS		**Client Sample ID: PR-132-S16-015094-20251021MS**									
Benzaldehyde	3100	0	2100	ug/Kg	68				10	171	
Phenol	3100	0	3000	ug/Kg	97				51	122	
bis(2-Chloroethyl)ether	3100	0	2000	ug/Kg	65				54	125	
2-Chlorophenol	3100	0	3200	ug/Kg	103				51	121	
2-Methylphenol	3100	0	3000	ug/Kg	97				47	125	
2,2-oxybis(1-Chloropropane)	3100	0	2800	ug/Kg	90				46	119	
Acetophenone	3100	0	3300	ug/Kg	106				55	128	
3+4-Methylphenols	3100	0	3000	ug/Kg	97				49	125	
N-Nitroso-di-n-propylamine	3100	0	3000	ug/Kg	97				59	119	
Hexachloroethane	3100	0	3200	ug/Kg	103				51	116	
Nitrobenzene	3100	0	3400	ug/Kg	110				47	124	
Isophorone	3100	0	3000	ug/Kg	97				49	127	
2-Nitrophenol	3100	0	3800	ug/Kg	123				43	131	
2,4-Dimethylphenol	3100	0	3500	ug/Kg	113				63	151	
bis(2-Chloroethoxy)methane	3100	0	2900	ug/Kg	94				51	119	
2,4-Dichlorophenol	3100	0	3500	ug/Kg	113				50	122	
Naphthalene	3100	0	3000	ug/Kg	97				51	121	
4-Chloroaniline	3100	0	1300	ug/Kg	42				10	100	
Hexachlorobutadiene	3100	0	3200	ug/Kg	103				44	126	
Caprolactam	3100	0	3100	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	3100	0	3200	ug/Kg	103				57	132	
2-Methylnaphthalene	3100	0	2800	ug/Kg	90				59	123	
Hexachlorocyclopentadiene	6100	0	9500	ug/Kg	156				10	175	
2,4,6-Trichlorophenol	3100	0	3600	ug/Kg	116				33	141	
2,4,5-Trichlorophenol	3100	0	3400	ug/Kg	110				38	135	
1,1-Biphenyl	3100	0	3400	ug/Kg	110				55	131	
2-Chloronaphthalene	3100	0	3100	ug/Kg	100				48	124	
2-Nitroaniline	3100	0	3400	ug/Kg	110				47	134	
Dimethylphthalate	3100	0	3100	ug/Kg	100				54	120	
Acenaphthylene	3100	0	3500	ug/Kg	113				57	125	
2,6-Dinitrotoluene	3100	0	3700	ug/Kg	119				48	127	
3-Nitroaniline	3100	0	2500	ug/Kg	81				10	112	
Acenaphthene	3100	0	3500	ug/Kg	113				70	121	
2,4-Dinitrophenol	6100	0	8100	ug/Kg	133				10	155	
4-Nitrophenol	6100	0	7500	ug/Kg	123				10	175	
Dibenzofuran	3100	0	3100	ug/Kg	100				52	114	
2,4-Dinitrotoluene	3100	0	3600	ug/Kg	116				41	140	
Diethylphthalate	3100	0	3100	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	3100	0	3100	ug/Kg	100				48	122	
Fluorene	3100	0	3100	ug/Kg	100				53	118	
4-Nitroaniline	3100	0	3600	ug/Kg	116				29	140	
4,6-Dinitro-2-methylphenol	3100	0	4000	ug/Kg	129				10	160	
N-Nitrosodiphenylamine	3100	0	3100	ug/Kg	100				73	118	
4-Bromophenyl-phenylether	3100	0	3200	ug/Kg	103				65	121	
Hexachlorobenzene	3100	0	3200	ug/Kg	103				67	118	
Atrazine	3100	0	3400	ug/Kg	110				45	175	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064627.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	6100	0	7000	ug/Kg	115				13	153	
Phenanthrene	3100	0	3100	ug/Kg	100				52	128	
Anthracene	3100	0	3100	ug/Kg	100				62	124	
Carbazole	3100	0	3100	ug/Kg	100				59	119	
Di-n-butylphthalate	3100	0	3200	ug/Kg	103				55	125	
Fluoranthene	3100	0	3100	ug/Kg	100				44	125	
Pyrene	3100	0	2900	ug/Kg	94				37	122	
Butylbenzylphthalate	3100	0	3500	ug/Kg	113				44	135	
3,3-Dichlorobenzidine	3100	0	1700	ug/Kg	55				15	112	
Benzo(a)anthracene	3100	0	3100	ug/Kg	100				53	119	
Chrysene	3100	0	3100	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	3100	0	3400	ug/Kg	110				42	169	
Di-n-octyl phthalate	3100	0	3500	ug/Kg	113				51	156	
Benzo(b)fluoranthene	3100	0	3100	ug/Kg	100				52	117	
Benzo(k)fluoranthene	3100	0	3200	ug/Kg	103				57	134	
Benzo(a)pyrene	3100	0	3200	ug/Kg	103				70	142	
Indeno(1,2,3-cd)pyrene	3100	0	3100	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	3100	0	3200	ug/Kg	103				43	123	
Benzo(g,h,i)perylene	3100	0	3100	ug/Kg	100				24	125	
1,2,4,5-Tetrachlorobenzene	3100	0	3500	ug/Kg	113				52	134	
1,4-Dioxane	3100	0	2500	ug/Kg	81				46	112	
2,3,4,6-Tetrachlorophenol	3100	0	3800	ug/Kg	123				24	146	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064628.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3419-03MSD		**Client Sample ID: PR-132-S16-015094-20251021MSD**									
Benzaldehyde	3100	0	2100	ug/Kg	68		0		10	171	20
Phenol	3100	0	2900	ug/Kg	94		3		51	122	20
bis(2-Chloroethyl)ether	3100	0	1900	ug/Kg	61		6		54	125	20
2-Chlorophenol	3100	0	3000	ug/Kg	97		6		51	121	20
2-Methylphenol	3100	0	2900	ug/Kg	94		3		47	125	20
2,2-oxybis(1-Chloropropane)	3100	0	2700	ug/Kg	87		3		46	119	20
Acetophenone	3100	0	3100	ug/Kg	100		6		55	128	20
3+4-Methylphenols	3100	0	2900	ug/Kg	94		3		49	125	20
N-Nitroso-di-n-propylamine	3100	0	2700	ug/Kg	87		11		59	119	20
Hexachloroethane	3100	0	3000	ug/Kg	97		6		51	116	20
Nitrobenzene	3100	0	3300	ug/Kg	106		4		47	124	20
Isophorone	3100	0	2800	ug/Kg	90		7		49	127	20
2-Nitrophenol	3100	0	3800	ug/Kg	123		0		43	131	20
2,4-Dimethylphenol	3100	0	3300	ug/Kg	106		6		63	151	20
bis(2-Chloroethoxy)methane	3100	0	2800	ug/Kg	90		4		51	119	20
2,4-Dichlorophenol	3100	0	3300	ug/Kg	106		6		50	122	20
Naphthalene	3100	0	2900	ug/Kg	94		3		51	121	20
4-Chloroaniline	3100	0	1200	ug/Kg	39		7		10	100	20
Hexachlorobutadiene	3100	0	3100	ug/Kg	100		3		44	126	20
Caprolactam	3100	0	2800	ug/Kg	90		11		51	134	20
4-Chloro-3-methylphenol	3100	0	3100	ug/Kg	100		3		57	132	20
2-Methylnaphthalene	3100	0	2700	ug/Kg	87		3		59	123	20
Hexachlorocyclopentadiene	6100	0	8900	ug/Kg	146		7		10	175	20
2,4,6-Trichlorophenol	3100	0	3500	ug/Kg	113		3		33	141	20
2,4,5-Trichlorophenol	3100	0	3400	ug/Kg	110		0		38	135	20
1,1-Biphenyl	3100	0	3300	ug/Kg	106		4		55	131	20
2-Chloronaphthalene	3100	0	3000	ug/Kg	97		3		48	124	20
2-Nitroaniline	3100	0	3300	ug/Kg	106		4		47	134	20
Dimethylphthalate	3100	0	2900	ug/Kg	94		6		54	120	20
Acenaphthylene	3100	0	3300	ug/Kg	106		6		57	125	20
2,6-Dinitrotoluene	3100	0	3600	ug/Kg	116		3		48	127	20
3-Nitroaniline	3100	0	2400	ug/Kg	77		5		10	112	20
Acenaphthene	3100	0	3400	ug/Kg	110		3		70	121	20
2,4-Dinitrophenol	6100	0	7800	ug/Kg	128		4		10	155	20
4-Nitrophenol	6100	0	6900	ug/Kg	113		8		10	175	20
Dibenzofuran	3100	0	2900	ug/Kg	94		6		52	114	20
2,4-Dinitrotoluene	3100	0	3300	ug/Kg	106		9		41	140	20
Diethylphthalate	3100	0	2900	ug/Kg	94		6		51	119	20
4-Chlorophenyl-phenylether	3100	0	3000	ug/Kg	97		3		48	122	20
Fluorene	3100	0	3000	ug/Kg	97		3		53	118	20
4-Nitroaniline	3100	0	3500	ug/Kg	113		3		29	140	20
4,6-Dinitro-2-methylphenol	3100	0	3900	ug/Kg	126		2		10	160	20
N-Nitrosodiphenylamine	3100	0	3100	ug/Kg	100		0		73	118	20
4-Bromophenyl-phenylether	3100	0	3000	ug/Kg	97		6		65	121	20
Hexachlorobenzene	3100	0	3100	ug/Kg	100		3		67	118	20
Atrazine	3100	0	3300	ug/Kg	106		4		45	175	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BG064628.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	6100	0	6800	ug/Kg	111	4			13	153	20
Phenanthrene	3100	0	3000	ug/Kg	97	3			52	128	20
Anthracene	3100	0	2900	ug/Kg	94	6			62	124	20
Carbazole	3100	0	3000	ug/Kg	97	3			59	119	20
Di-n-butylphthalate	3100	0	3100	ug/Kg	100	3			55	125	20
Fluoranthene	3100	0	3100	ug/Kg	100	0			44	125	20
Pyrene	3100	0	2700	ug/Kg	87	8			37	122	20
Butylbenzylphthalate	3100	0	3400	ug/Kg	110	3			44	135	20
3,3-Dichlorobenzidine	3100	0	1700	ug/Kg	55	0			15	112	20
Benzo(a)anthracene	3100	0	3000	ug/Kg	97	3			53	119	20
Chrysene	3100	0	2900	ug/Kg	94	6			57	121	20
bis(2-Ethylhexyl)phthalate	3100	0	3400	ug/Kg	110	0			42	169	20
Di-n-octyl phthalate	3100	0	3300	ug/Kg	106	6			51	156	20
Benzo(b)fluoranthene	3100	0	3000	ug/Kg	97	3			52	117	20
Benzo(k)fluoranthene	3100	0	3000	ug/Kg	97	6			57	134	20
Benzo(a)pyrene	3100	0	3100	ug/Kg	100	3			70	142	20
Indeno(1,2,3-cd)pyrene	3100	0	3000	ug/Kg	97	3			40	129	20
Dibenz(a,h)anthracene	3100	0	3000	ug/Kg	97	6			43	123	20
Benzo(g,h,i)perylene	3100	0	3000	ug/Kg	97	3			24	125	20
1,2,4,5-Tetrachlorobenzene	3100	0	3400	ug/Kg	110	3			52	134	20
1,4-Dioxane	3100	0	2300	ug/Kg	74	9			46	112	20
2,3,4,6-Tetrachlorophenol	3100	0	3600	ug/Kg	116	6			24	146	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064622.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170215BS	Benzaldehyde	1700	1100	ug/Kg	65				10	133	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1100	ug/Kg	65				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1700	ug/Kg	100				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				46	141	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				66	97	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	790	ug/Kg	46				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	4100	ug/Kg	124				45	165	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	1200	ug/Kg	71				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3600	ug/Kg	109				37	128	
	4-Nitrophenol	3300	3400	ug/Kg	103				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1700	ug/Kg	100				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				71	99	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3422 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BG064622.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170215BS	Hexachlorobenzene	1700	1500	ug/Kg	88				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	3300	ug/Kg	100				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Pyrene	1700	1400	ug/Kg	82				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				52	137	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				63	101	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112	
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1800	ug/Kg	106				59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170215BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3422

Lab File ID: BG064621.D | Lab Sample ID: PB170215BL

Instrument ID: BNA_G | Date Extracted: 10/23/2025

Matrix: (soil/water) SOIL | Date Analyzed: 10/29/2025

Level: (low/med) LOW | Time Analyzed: 13:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170215BS	PB170215BS	BG064622.D	10/29/2025
PR-132-S16-015094-20251021MS	Q3419-02MS	BG064627.D	10/29/2025
PR-132-S16-015094-20251021MSD	Q3419-03MSD	BG064628.D	10/29/2025
PR132-S15-000008-20251021	Q3422-01	BG064597.D	10/27/2025

COMMENTS:

Raw Data: **BG064568.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q3422

Lab File ID: BG064568.D DFTPP Injection Date: 10/24/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	35.3
70	Less than 2.0% of mass 69	0.1 (0.2) 1
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	7.2
365	Greater than 1% of mass 198	5.1
441	Present, but less than mass 443	15.1
442	Greater than 50% of mass 198	92.7
443	15.0 - 24.0% of mass 442	17.5 (18.9) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BG064569.D	10/24/2025	09:00
SSTDICC005	SSTDICC005	BG064570.D	10/24/2025	09:41
SSTDICC010	SSTDICC010	BG064571.D	10/24/2025	11:02
SSTDICC020	SSTDICC020	BG064572.D	10/24/2025	12:23
SSTDICCC040	SSTDICCC040	BG064573.D	10/24/2025	13:03
SSTDICC060	SSTDICC060	BG064574.D	10/24/2025	13:44
SSTDICC080	SSTDICC080	BG064575.D	10/24/2025	14:24
SSTDICC050	SSTDICC050	BG064576.D	10/24/2025	15:32

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: AECO02

Lab Code: ACE — SDG NO.: Q3422

Lab File ID: BG064582.D — DFTPP Injection Date: 10/27/2025

Instrument ID: BNA_G — DFTPP Injection Time: 11:16

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	33.2
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7
365	Greater than 1% of mass 198	5.2
441	Present, but less than mass 443	16.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064583.D	10/27/2025	11:57
PR132-S15-000008-20251021	Q3422-01	BG064597.D	10/27/2025	21:31

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: AECO02

Lab Code: ACE — SDG NO.: Q3422

Lab File ID: BG064617.D — DFTPP Injection Date: 10/29/2025

Instrument ID: BNA_G — DFTPP Injection Time: 10:41

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1) 1
69	Mass 69 relative abundance	31.8
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.3
365	Greater than 1% of mass 198	5.3
441	Present, but less than mass 443	16.1
442	Greater than 50% of mass 198	97.3
443	15.0 - 24.0% of mass 442	17.5 (18) 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	BG064618.D	10/29/2025	11:22
PB170215BL	PB170215BL	BG064621.D	10/29/2025	13:25
PB170215BS	PB170215BS	BG064622.D	10/29/2025	14:06
PR-132-S16-015094-20251021MS	Q3419-02MS	BG064627.D	10/29/2025	17:34
PR-132-S16-015094-20251021MSD	Q3419-03MSD	BG064628.D	10/29/2025	18:15

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3422

Client ID : SSTDCCC040 Date Analyzed: 10/27/2025

Lab File ID: BG064583.D Time Analyzed: 11:57

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	39737	8.22	173874	11.05	136456	14.84
	UPPER LIMIT	79474	8.72	347748	11.546	272912	15.342
	LOWER LIMIT	19868.5	7.72	86937	10.546	68228	14.342
	EPA SAMPLE NO.						
01	PR132-S15-000008-20251021	39403	8.22	157676	11.04	121417	14.84

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: Alliance

Lab Code: ACE SDG NO.: Q3422

Client ID: SSTDCCC040 Date Analyzed: 10/27/2025

Lab File ID: BG064583.D Time Analyzed: 11:57

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	324576	17.58	347536	21.851	368889	25.194
	UPPER LIMIT	649152	18.08	695072	22.351	737778	25.694
	LOWER LIMIT	162288	17.08	173768	21.351	184445	24.694
	EPA SAMPLE NO.						
01	PR132-S15-000008-20251021	282320	17.57	298427	21.85	319820	25.19

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3422

Client ID : SSTDCCC040 Date Analyzed: 10/29/2025

Lab File ID: BG064618.D Time Analyzed: 11:22

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	36613	8.223	148961	11.04	108882	14.84
	UPPER LIMIT	73226	8.723	297922	11.543	217764	15.339
	LOWER LIMIT	18306.5	7.723	74480.5	10.543	54441	14.339
	EPA SAMPLE NO.						
01	PB170215BL	33974	8.22	131027	11.04	98338	14.84
02	PB170215BS	30857	8.22	126314	11.04	102616	14.84
03	PR-132-S16-015094-20251021MS	30488	8.22	121320	11.04	93614	14.84
04	PR-132-S16-015094-20251021MSD	31803	8.21	124534	11.04	94989	14.84

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: Alliance

Lab Code: ACE SDG NO.: Q3422

Client ID: SSTDCCC040 Date Analyzed: 10/29/2025

Lab File ID: BG064618.D Time Analyzed: 11:22

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	241683	17.577	261016	21.854	298207	25.197
	UPPER LIMIT	483366	18.077	522032	22.354	596414	25.697
	LOWER LIMIT	120842	17.077	130508	21.354	149104	24.697
	EPA SAMPLE NO.						
01	PB170215BL	248117	17.58	318243	21.85	369003	25.19
02	PB170215BS	252758	17.58	286271	21.85	311364	25.19
03	PR-132-S16-015094-20251021I	229619	17.58	271892	21.85	296767	25.19
04	PR-132-S16-015094-20251021I	230638	17.58	282250	21.85	308600	25.19

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

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

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

SAMPLE DATA

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S15-000008-20251021	SDG No.:	Q3422
Lab Sample ID:	Q3422-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	58.1
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	570	U	1	270	570	ug/Kg	10/27/25 21:31	PB170215
108-95-2	Phenol	290	U	1	37.9	290	ug/Kg	10/27/25 21:31	PB170215
111-44-4	bis(2-Chloroethyl)ether	290	U	1	41.7	290	ug/Kg	10/27/25 21:31	PB170215
95-57-8	2-Chlorophenol	290	U	1	41.9	290	ug/Kg	10/27/25 21:31	PB170215
95-48-7	2-Methylphenol	290	U	1	51.3	290	ug/Kg	10/27/25 21:31	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	290	U	1	64.4	290	ug/Kg	10/27/25 21:31	PB170215
98-86-2	Acetophenone	290	U	1	50.6	290	ug/Kg	10/27/25 21:31	PB170215
65794-96-9	3+4-Methylphenols	570	U	1	70.6	570	ug/Kg	10/27/25 21:31	PB170215
621-64-7	n-Nitroso-di-n-propylamine	140	U	1	81.4	140	ug/Kg	10/27/25 21:31	PB170215
67-72-1	Hexachloroethane	290	U	1	30.2	290	ug/Kg	10/27/25 21:31	PB170215
98-95-3	Nitrobenzene	290	U	1	31.4	290	ug/Kg	10/27/25 21:31	PB170215
78-59-1	Isophorone	290	U	1	56.3	290	ug/Kg	10/27/25 21:31	PB170215
88-75-5	2-Nitrophenol	290	U	1	99.9	290	ug/Kg	10/27/25 21:31	PB170215
105-67-9	2,4-Dimethylphenol	290	U	1	110	290	ug/Kg	10/27/25 21:31	PB170215
111-91-1	bis(2-Chloroethoxy)methane	290	U	1	52.9	290	ug/Kg	10/27/25 21:31	PB170215
120-83-2	2,4-Dichlorophenol	290	U	1	48.6	290	ug/Kg	10/27/25 21:31	PB170215
91-20-3	Naphthalene	290	U	1	39.0	290	ug/Kg	10/27/25 21:31	PB170215
106-47-8	4-Chloroaniline	290	U	1	60.8	290	ug/Kg	10/27/25 21:31	PB170215
87-68-3	Hexachlorobutadiene	290	U	1	43.4	290	ug/Kg	10/27/25 21:31	PB170215
105-60-2	Caprolactam	570	U	1	89.4	570	ug/Kg	10/27/25 21:31	PB170215
59-50-7	4-Chloro-3-methylphenol	290	U	1	49.3	290	ug/Kg	10/27/25 21:31	PB170215
91-57-6	2-Methylnaphthalene	290	U	1	43.9	290	ug/Kg	10/27/25 21:31	PB170215
77-47-4	Hexachlorocyclopentadiene	570	U	1	200	570	ug/Kg	10/27/25 21:31	PB170215
88-06-2	2,4,6-Trichlorophenol	290	U	1	34.0	290	ug/Kg	10/27/25 21:31	PB170215
95-95-4	2,4,5-Trichlorophenol	290	U	1	50.0	290	ug/Kg	10/27/25 21:31	PB170215
92-52-4	1,1-Biphenyl	290	U	1	37.4	290	ug/Kg	10/27/25 21:31	PB170215
91-58-7	2-Chloronaphthalene	290	U	1	38.6	290	ug/Kg	10/27/25 21:31	PB170215
88-74-4	2-Nitroaniline	290	U	1	82.6	290	ug/Kg	10/27/25 21:31	PB170215
131-11-3	Dimethylphthalate	290	U	1	46.5	290	ug/Kg	10/27/25 21:31	PB170215
208-96-8	Acenaphthylene	290	U	1	49.6	290	ug/Kg	10/27/25 21:31	PB170215
606-20-2	2,6-Dinitrotoluene	290	U	1	57.7	290	ug/Kg	10/27/25 21:31	PB170215
99-09-2	3-Nitroaniline	290	U	1	79.0	290	ug/Kg	10/27/25 21:31	PB170215
83-32-9	Acenaphthene	290	U	1	36.6	290	ug/Kg	10/27/25 21:31	PB170215
51-28-5	2,4-Dinitrophenol	570	U	1	390	570	ug/Kg	10/27/25 21:31	PB170215
100-02-7	4-Nitrophenol	570	U	1	180	570	ug/Kg	10/27/25 21:31	PB170215
132-64-9	Dibenzofuran	290	U	1	39.0	290	ug/Kg	10/27/25 21:31	PB170215
121-14-2	2,4-Dinitrotoluene	290	U	1	86.0	290	ug/Kg	10/27/25 21:31	PB170215
84-66-2	Diethylphthalate	290	U	1	48.6	290	ug/Kg	10/27/25 21:31	PB170215
7005-72-3	4-Chlorophenyl-phenylether	290	U	1	45.8	290	ug/Kg	10/27/25 21:31	PB170215
86-73-7	Fluorene	290	U	1	43.4	290	ug/Kg	10/27/25 21:31	PB170215
100-01-6	4-Nitroaniline	290	U	1	110	290	ug/Kg	10/27/25 21:31	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	570	U	1	180	570	ug/Kg	10/27/25 21:31	PB170215

Raw Data: **BG064597.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S15-000008-20251021	SDG No.:	Q3422
Lab Sample ID:	Q3422-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	58.1
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	290	U	1	56.5	290	ug/Kg	10/27/25 21:31	PB170215
101-55-3	4-Bromophenyl-phenylether	290	U	1	47.7	290	ug/Kg	10/27/25 21:31	PB170215
118-74-1	Hexachlorobenzene	290	U	1	43.4	290	ug/Kg	10/27/25 21:31	PB170215
1912-24-9	Atrazine	290	U	1	58.4	290	ug/Kg	10/27/25 21:31	PB170215
87-86-5	Pentachlorophenol	570	U	1	88.1	570	ug/Kg	10/27/25 21:31	PB170215
85-01-8	Phenanthrene	290	U	1	35.9	290	ug/Kg	10/27/25 21:31	PB170215
120-12-7	Anthracene	290	U	1	57.2	290	ug/Kg	10/27/25 21:31	PB170215
86-74-8	Carbazole	290	U	1	53.6	290	ug/Kg	10/27/25 21:31	PB170215
84-74-2	Di-n-butylphthalate	290	U	1	82.2	290	ug/Kg	10/27/25 21:31	PB170215
206-44-0	Fluoranthene	190	J	1	51.5	290	ug/Kg	10/27/25 21:31	PB170215
129-00-0	Pyrene	150	J	1	61.8	290	ug/Kg	10/27/25 21:31	PB170215
85-68-7	Butylbenzylphthalate	290	U	1	120	290	ug/Kg	10/27/25 21:31	PB170215
91-94-1	3,3-Dichlorobenzidine	570	U	1	63.0	570	ug/Kg	10/27/25 21:31	PB170215
56-55-3	Benzo(a)anthracene	290	U	1	39.5	290	ug/Kg	10/27/25 21:31	PB170215
218-01-9	Chrysene	290	U	1	34.2	290	ug/Kg	10/27/25 21:31	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	290	U	1	100	290	ug/Kg	10/27/25 21:31	PB170215
117-84-0	Di-n-octyl phthalate	570	U	1	150	570	ug/Kg	10/27/25 21:31	PB170215
205-99-2	Benzo(b)fluoranthene	290	U	1	32.6	290	ug/Kg	10/27/25 21:31	PB170215
207-08-9	Benzo(k)fluoranthene	290	U	1	38.5	290	ug/Kg	10/27/25 21:31	PB170215
50-32-8	Benzo(a)pyrene	290	U	1	50.6	290	ug/Kg	10/27/25 21:31	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	290	U	1	50.0	290	ug/Kg	10/27/25 21:31	PB170215
53-70-3	Dibenzo(a,h)anthracene	290	U	1	47.0	290	ug/Kg	10/27/25 21:31	PB170215
191-24-2	Benzo(g,h,i)perylene	290	U	1	44.1	290	ug/Kg	10/27/25 21:31	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	290	U	1	43.9	290	ug/Kg	10/27/25 21:31	PB170215
123-91-1	1,4-Dioxane	290	U	1	77.6	290	ug/Kg	10/27/25 21:31	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	290	U	1	47.0	290	ug/Kg	10/27/25 21:31	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	58.8			18 - 112	39%	SPK: 150		
13127-88-3	Phenol-d6	55.4			15 - 107	37%	SPK: 150		
4165-60-0	Nitrobenzene-d5	39.2			18 - 107	39%	SPK: 100		
321-60-8	2-Fluorobiphenyl	34.8			20 - 109	35%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	58.3			10 - 116	39%	SPK: 150		
1718-51-0	Terphenyl-d14	34.1			10 - 105	34%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	39400							
1146-65-2	Naphthalene-d8	158000							
15067-26-2	Acenaphthene-d10	121000							
1517-22-2	Phenanthrene-d10	282000							
1719-03-5	Chrysene-d12	298000							
1520-96-3	Perylene-d12	320000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	170	J			16.2	ug/Kg		
1000285-40-2	.beta.-iso-Methyl ionone	220	J			28.3	ug/Kg		

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Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR132-S15-000008-20251021	SDG No.:	Q3422
Lab Sample ID:	Q3422-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	58.1
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **BG064597.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064597.D
Acq On : 27 Oct 2025 21:31
Operator : RC/JU
Sample : Q3422-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S15-000008-20251021

Quant Time: Oct 28 01:08:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	39403	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	157676	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	121417	20.000	ng	0.00
64) Phenanthrene-d10	17.571	188	282320	20.000	ng	0.00
76) Chrysene-d12	21.848	240	298427	20.000	ng	-0.02
86) Perylene-d12	25.186	264	319820	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.744	112	138111	58.833	ng	0.00
7) Phenol-d6	7.348	99	178383	55.376	ng	0.00
23) Nitrobenzene-d5	9.375	82	102813	39.164	ng	-0.02
42) 2,4,6-Tribromophenol	16.314	330	102205	58.322	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	278900	34.817	ng	0.00
79) Terphenyl-d14	20.162	244	538843	34.075	ng	-0.02
Target Compounds						Qvalue
75) Fluoranthene	19.610	202	63571	3.287	ng	99
78) Pyrene	19.968	202	50972	2.614	ng	98

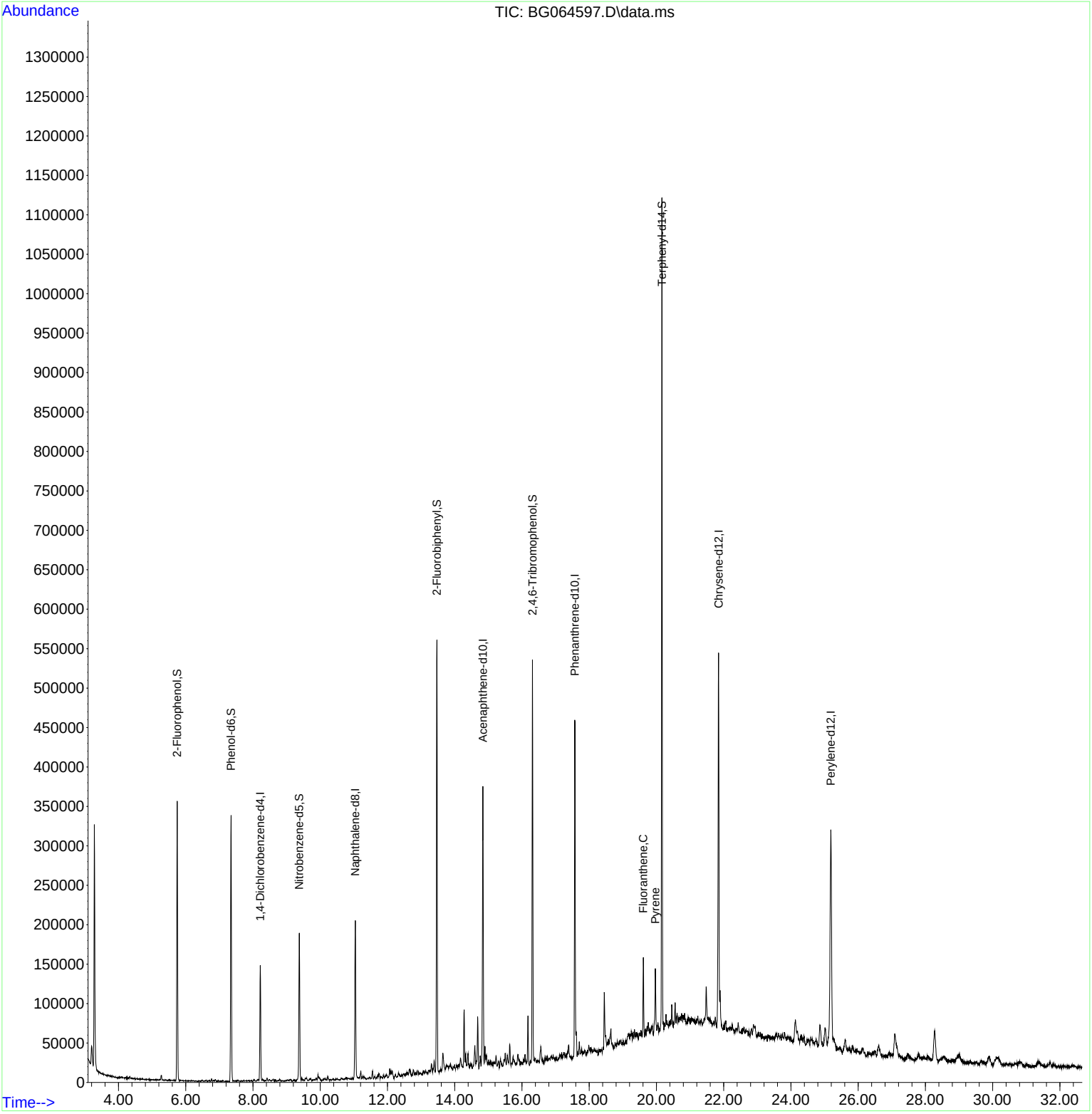
(#) = qualifier out of range (m) = manual integration (+) = signals summed

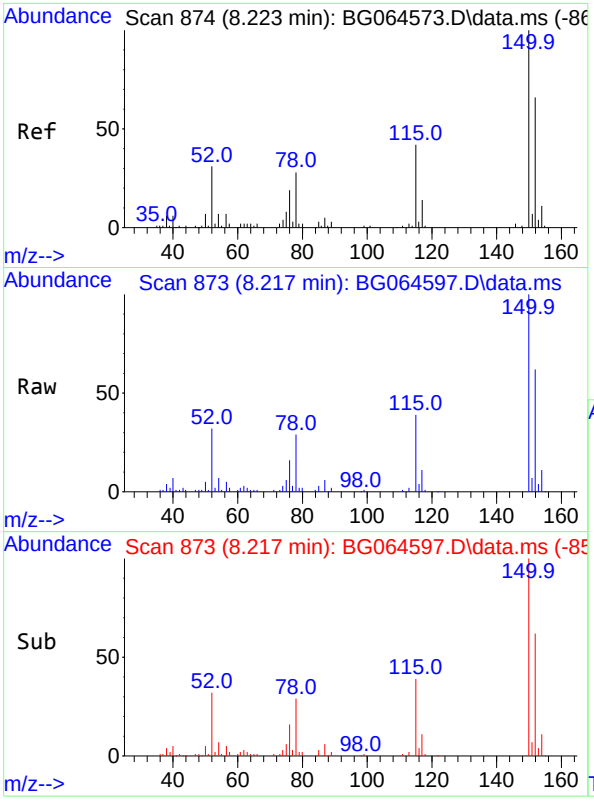
Sample Results: **BG064597.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064597.D
Acq On : 27 Oct 2025 21:31
Operator : RC/JU
Sample : Q3422-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S15-000008-20251021

Quant Time: Oct 28 01:08:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



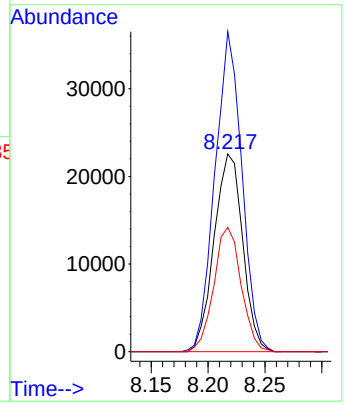


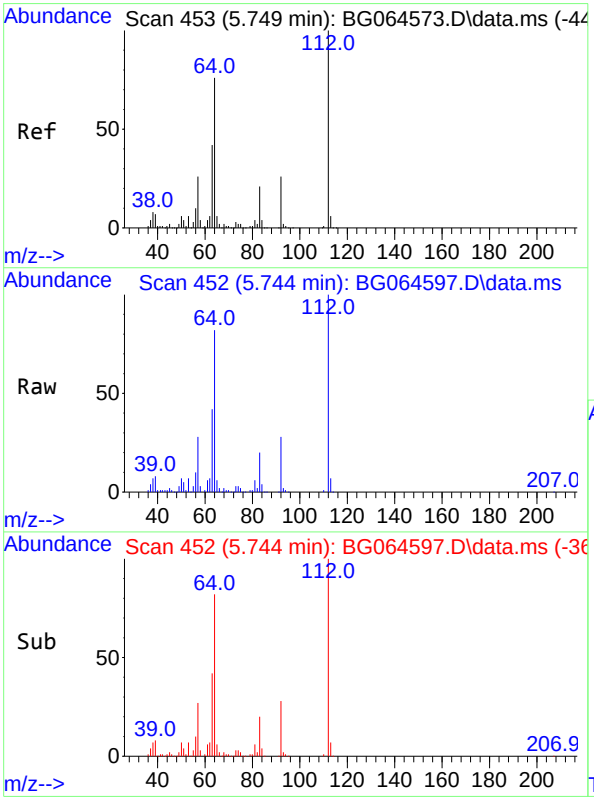
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064597.D
Acq: 27 Oct 2025 21:31

Instrument :
BNA_G
ClientSampleId :
PR132-S15-000008-20251021

Tgt Ion:152 Resp: 39403

Ion	Ratio	Lower	Upper
152	100		
150	161.8	122.2	183.4
115	62.9	50.8	76.2

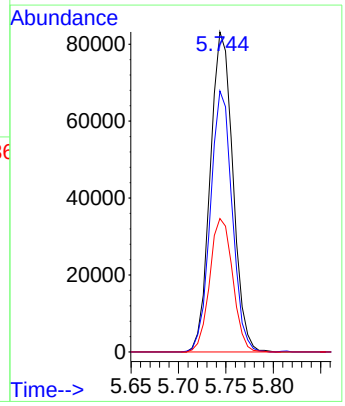


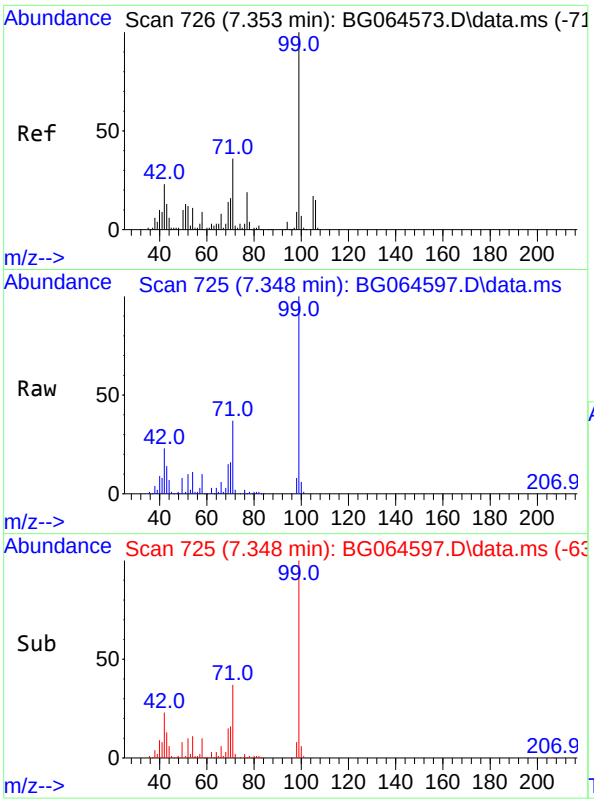


#5
2-Fluorophenol
Concen: 58.833 ng
RT: 5.744 min Scan# 452
Delta R.T. -0.003 min
Lab File: BG064597.D
Acq: 27 Oct 2025 21:31

Tgt Ion:112 Resp: 138111

Ion	Ratio	Lower	Upper
112	100		
64	81.6	60.7	91.1
63	41.7	33.4	50.0



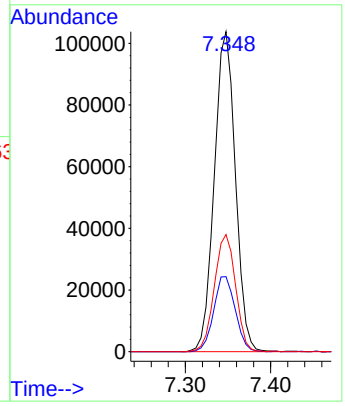


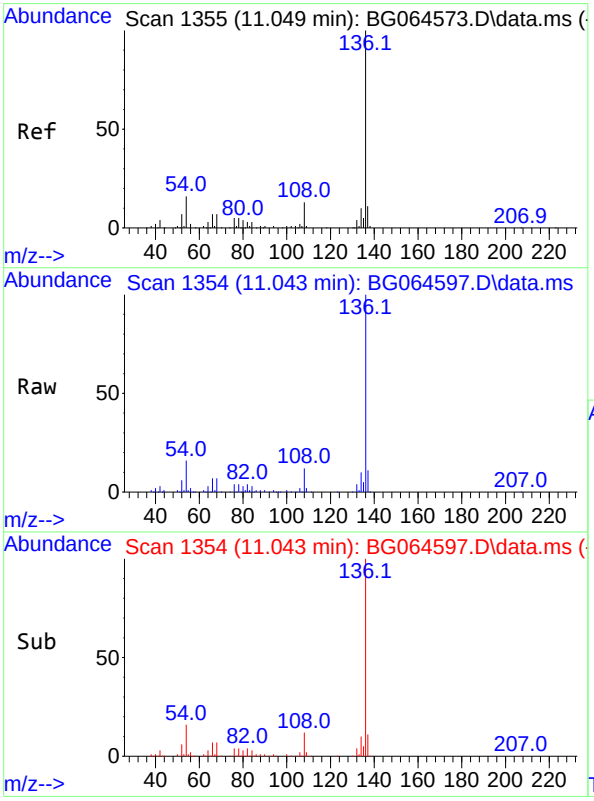
#7
Phenol-d6
Concen: 55.376 ng
RT: 7.348 min Scan# 7
Delta R.T. -0.009 min
Lab File: BG064597.D
Acq: 27 Oct 2025 21:31

Instrument :
BNA_G
ClientSampleId :
PR132-S15-000008-20251021

Tgt Ion: 99 Resp: 178383

Ion	Ratio	Lower	Upper
99	100		
42	23.5	18.3	27.5
71	36.6	28.6	43.0

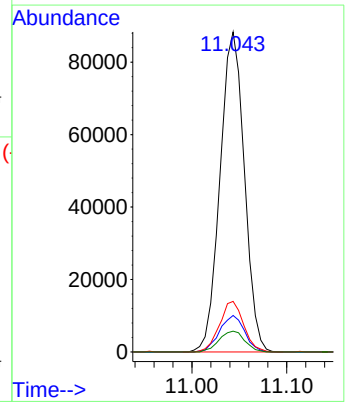


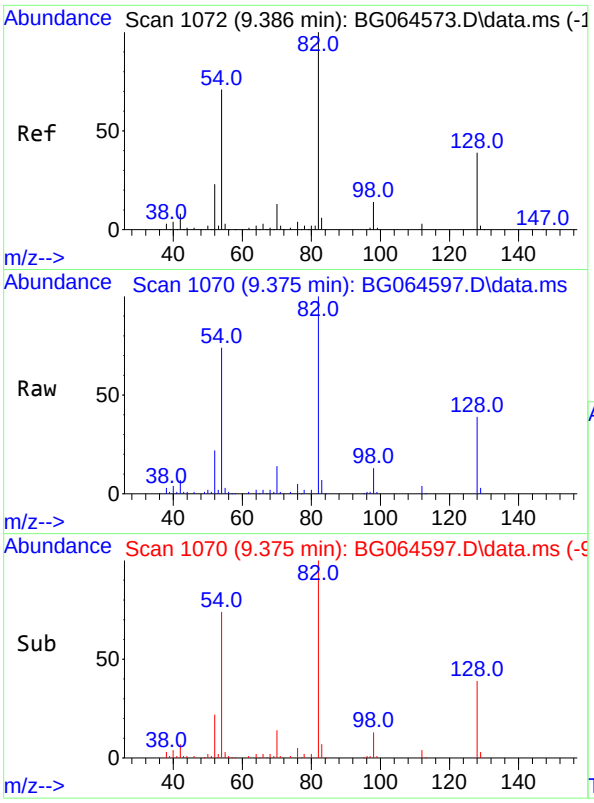


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1354
Delta R.T. -0.009 min
Lab File: BG064597.D
Acq: 27 Oct 2025 21:31

Tgt Ion:136 Resp: 157676

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	15.8	12.6	19.0
68	6.5	5.7	8.5



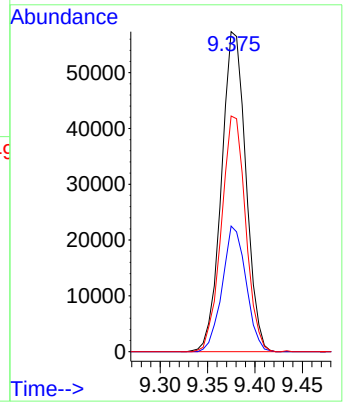


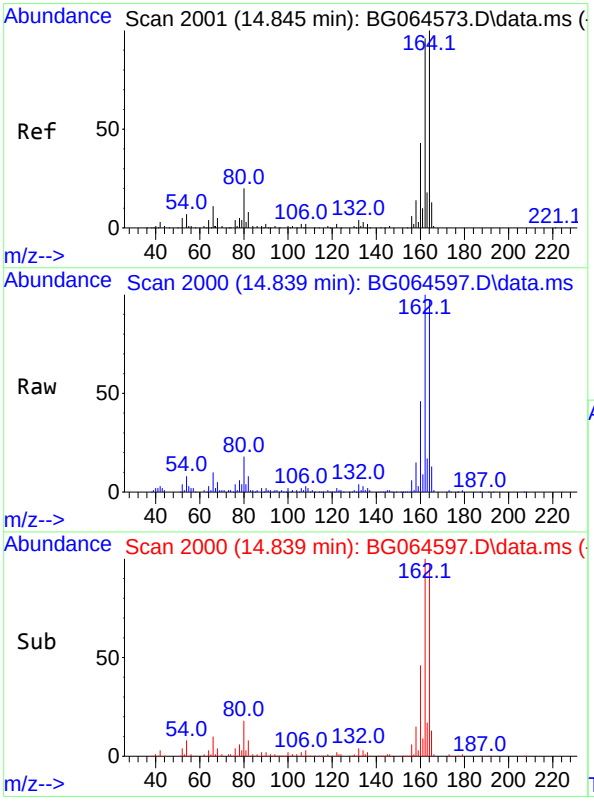
#23
Nitrobenzene-d5
Concen: 39.164 ng
RT: 9.375 min Scan# 1
Delta R.T. -0.015 min
Lab File: BG064597.D
Acq: 27 Oct 2025 21:31

Instrument :
BNA_G
ClientSampleId :
PR132-S15-000008-20251021

Tgt Ion: 82 Resp: 102813

Ion	Ratio	Lower	Upper
82	100		
128	39.2	31.3	46.9
54	73.7	56.6	84.8

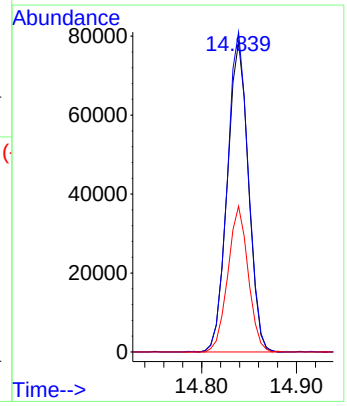


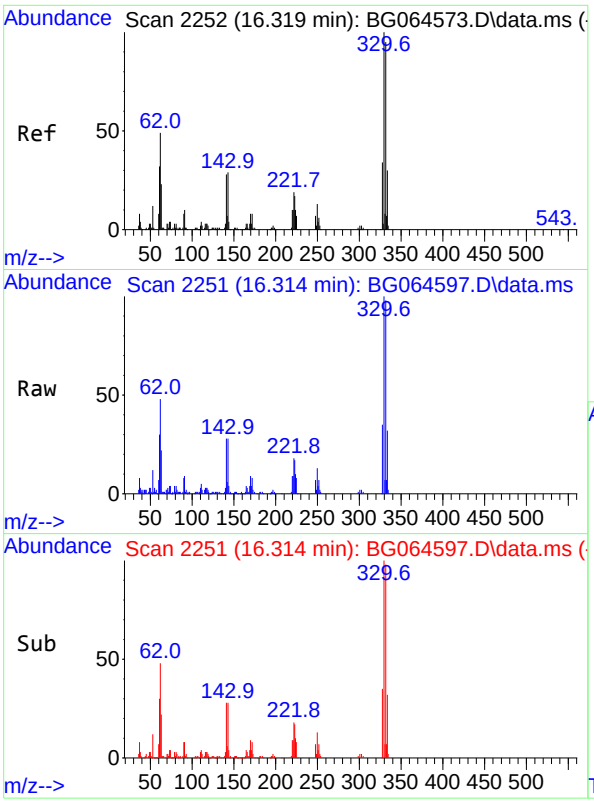


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064597.D
Acq: 27 Oct 2025 21:31

Tgt Ion:164 Resp: 121417

Ion	Ratio	Lower	Upper
164	100		
162	103.3	77.0	115.6
160	47.0	34.4	51.6



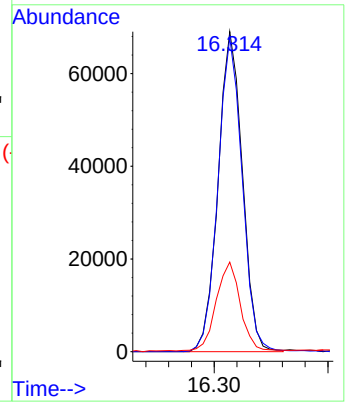


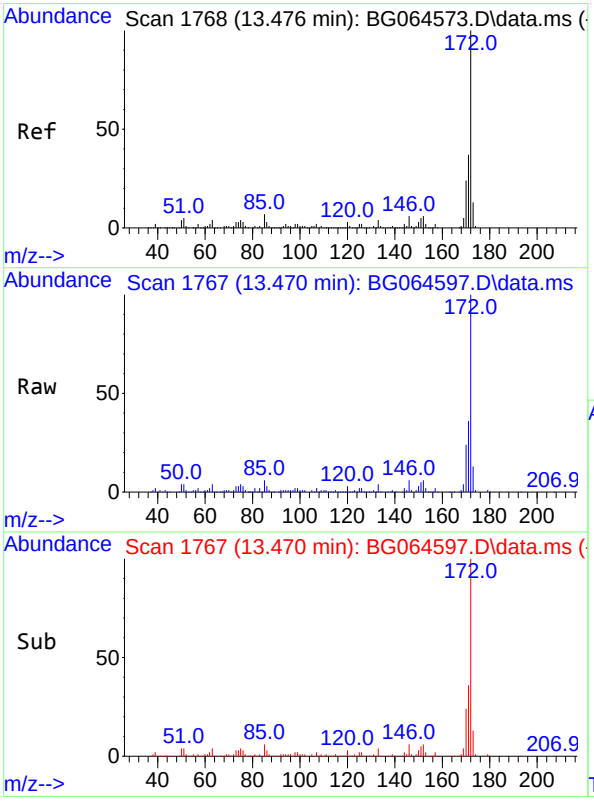
#42
2,4,6-Tribromophenol
Concen: 58.322 ng
RT: 16.314 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064597.D
Acq: 27 Oct 2025 21:31

Instrument :
BNA_G
ClientSampleId :
PR132-S15-000008-20251021

Tgt Ion:330 Resp: 102205

Ion	Ratio	Lower	Upper
330	100		
332	98.2	78.0	117.0
141	28.9	21.8	32.6

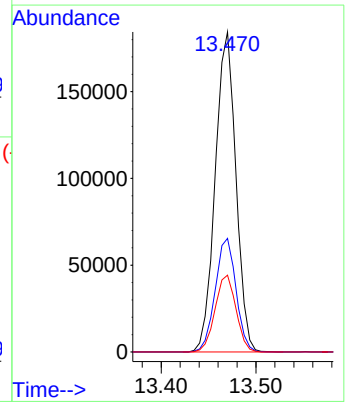


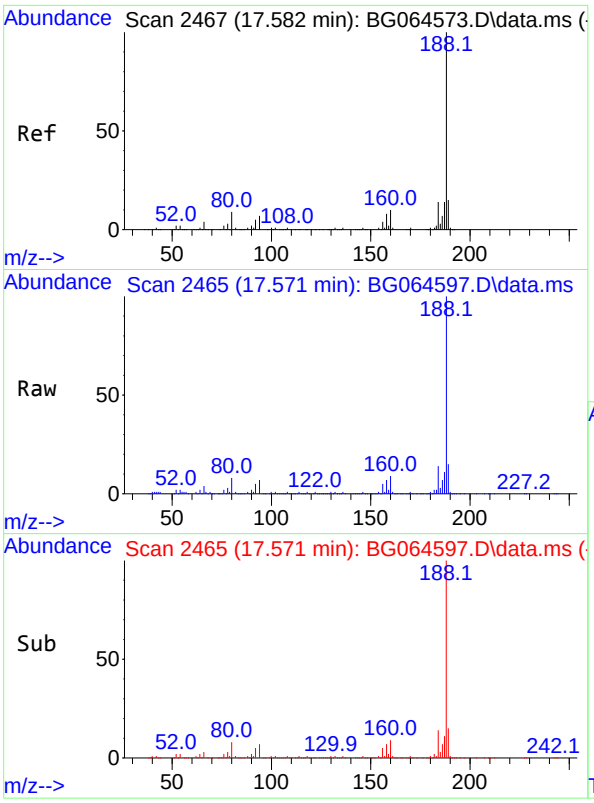


#45
2-Fluorobiphenyl
Concen: 34.817 ng
RT: 13.470 min Scan# 1767
Delta R.T. -0.009 min
Lab File: BG064597.D
Acq: 27 Oct 2025 21:31

Tgt Ion:172 Resp: 278900

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.4	44.0
170	24.0	19.1	28.7



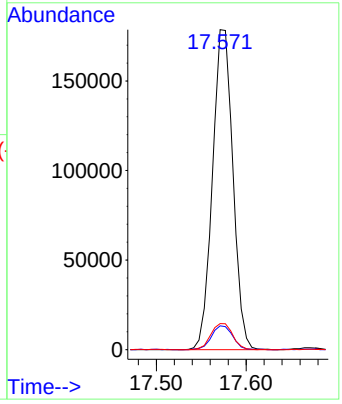


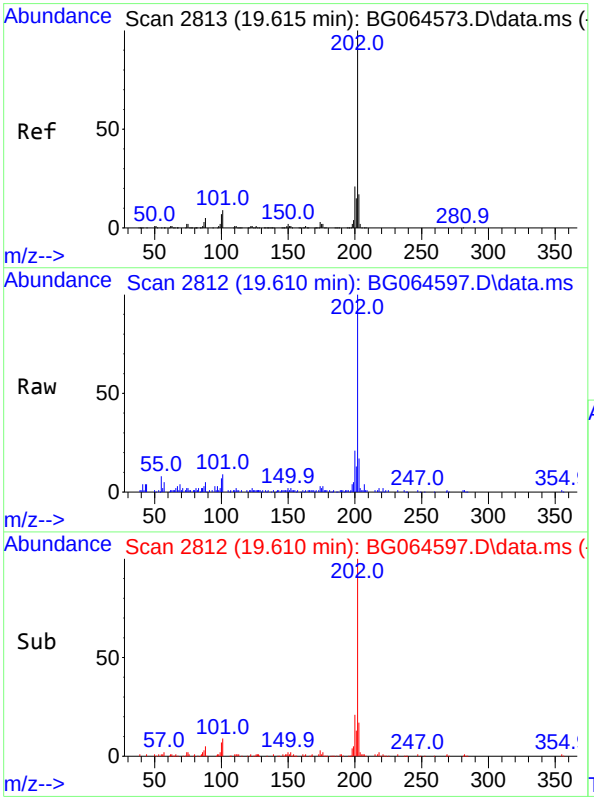
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.571 min Scan# 24
Delta R.T. -0.009 min
Lab File: BG064597.D
Acq: 27 Oct 2025 21:31

Instrument :
BNA_G
ClientSampleId :
PR132-S15-000008-20251021

Tgt Ion:188 Resp: 282320

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.7	8.5
80	8.2	6.8	10.2

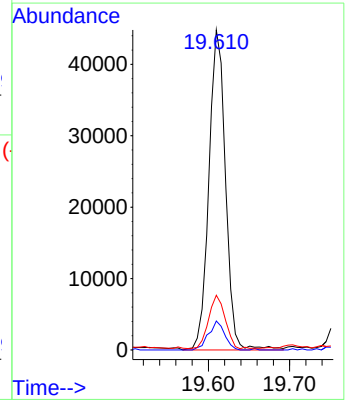


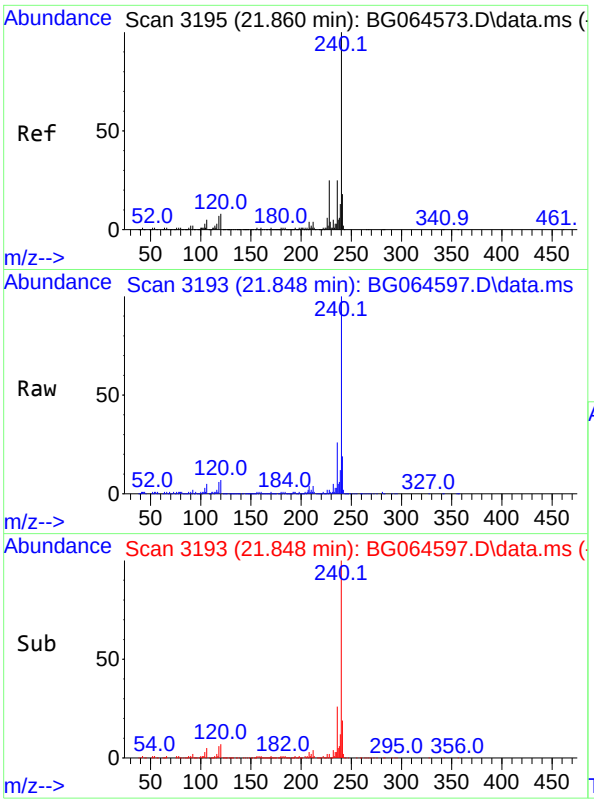


#75
Fluoranthene
Concen: 3.287 ng
RT: 19.610 min Scan# 2812
Delta R.T. -0.009 min
Lab File: BG064597.D
Acq: 27 Oct 2025 21:31

Tgt Ion:202 Resp: 63571

Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	28.7
203	17.1	0.0	37.0



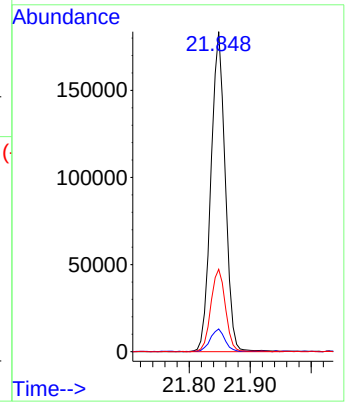


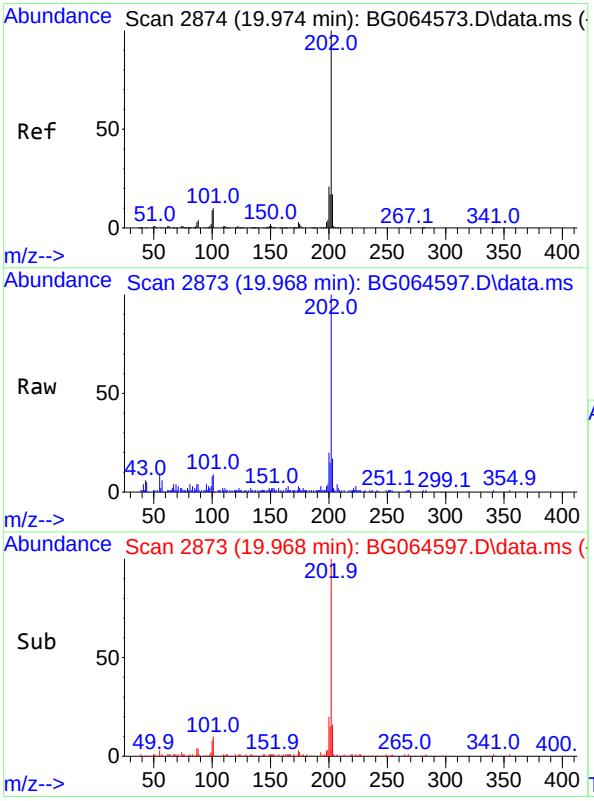
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3
Delta R.T. -0.015 min
Lab File: BG064597.D
Acq: 27 Oct 2025 21:31

Instrument :
BNA_G
ClientSampleId :
PR132-S15-000008-20251021

Tgt Ion:240 Resp: 298427

Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.5	9.7
236	25.8	20.2	30.2

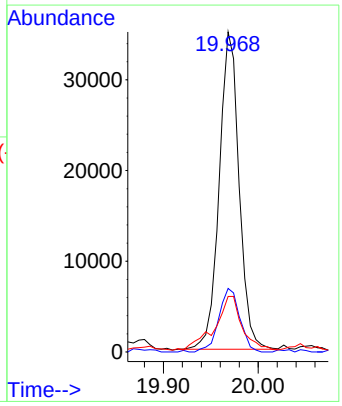


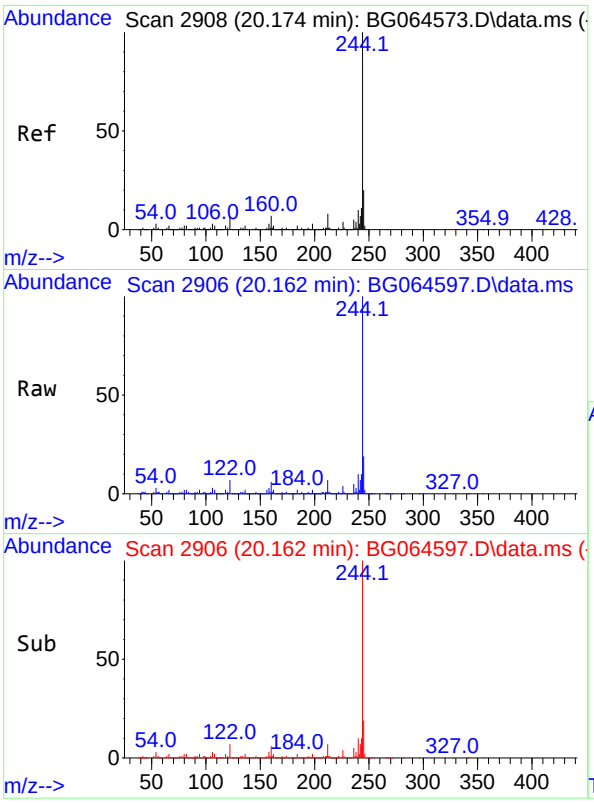


#78
Pyrene
Concen: 2.614 ng
RT: 19.968 min Scan# 2873
Delta R.T. -0.009 min
Lab File: BG064597.D
Acq: 27 Oct 2025 21:31

Tgt Ion:202 Resp: 50972

Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.0	25.4
203	17.4	13.8	20.6



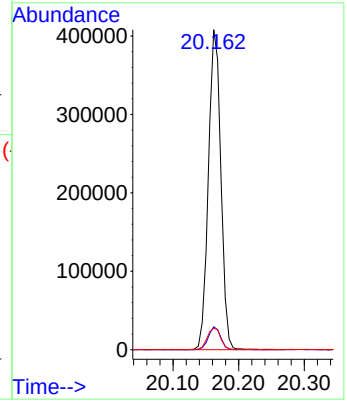


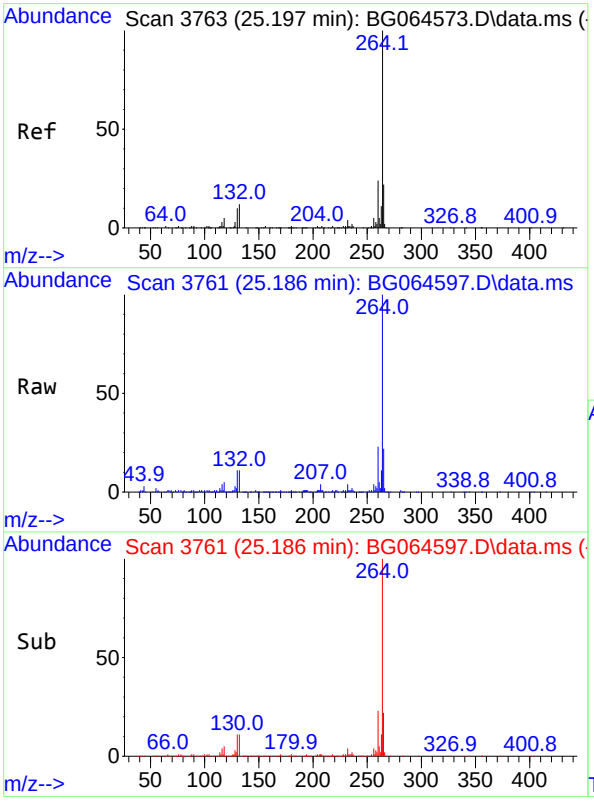
#79
Terphenyl-d14
Concen: 34.075 ng
RT: 20.162 min Scan# 2
Delta R.T. -0.015 min
Lab File: BG064597.D
Acq: 27 Oct 2025 21:31

Instrument :
BNA_G
ClientSampleId :
PR132-S15-000008-20251021

Tgt Ion:244 Resp: 538843

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	6.7	5.6	8.4

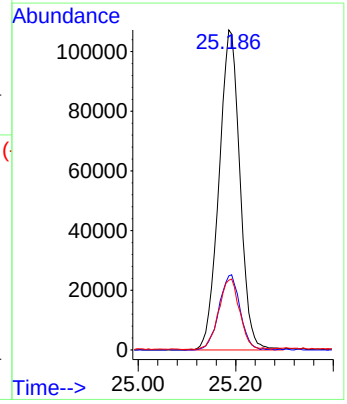




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.186 min Scan# 3761
Delta R.T. -0.015 min
Lab File: BG064597.D
Acq: 27 Oct 2025 21:31

Tgt Ion:264 Resp: 319820

Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.4
265	21.8	17.6	26.4



Sample Results: **BG064597.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064597.D
Acq On : 27 Oct 2025 21:31
Operator : RC/JU
Sample : Q3422-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S15-000008-20251021

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_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064597.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.200	14	19	27	rVV4	25055	59701	4.35%	0.567%
2	3.282	27	33	46	rVB	312217	528732	38.48%	5.024%
3	5.744	445	452	463	rVB	354954	577813	42.06%	5.491%
4	7.348	717	725	733	rBV	337823	594204	43.25%	5.646%
5	8.217	865	873	880	rBV	145898	248409	18.08%	2.361%
6	9.381	1062	1071	1078	rVB	186582	342823	24.95%	3.258%
7	11.043	1345	1354	1363	rBV	200869	374986	27.29%	3.563%
8	11.208	1378	1382	1387	rVB3	10268	15796	1.15%	0.150%
9	11.555	1436	1441	1446	rVB4	10347	17325	1.26%	0.165%
10	12.066	1522	1528	1531	rBV4	10921	16040	1.17%	0.152%
11	12.142	1538	1541	1548	rVB8	9127	17609	1.28%	0.167%
12	12.765	1643	1647	1654	rBV8	7865	17697	1.29%	0.168%
13	13.305	1736	1739	1745	rVB7	11369	19365	1.41%	0.184%
14	13.388	1750	1753	1759	rVV3	14516	21058	1.53%	0.200%
15	13.470	1759	1767	1774	rVV	547805	855534	62.27%	8.130%
16	13.646	1793	1797	1807	rVB8	20372	46571	3.39%	0.443%
17	14.169	1884	1886	1893	rVB7	10193	17739	1.29%	0.169%
18	14.281	1899	1905	1910	rBV2	73332	115134	8.38%	1.094%
19	14.328	1910	1913	1917	rVB4	16079	20549	1.50%	0.195%
20	14.398	1920	1925	1928	rVV6	15302	23438	1.71%	0.223%
21	14.598	1952	1959	1964	rBV6	26169	50651	3.69%	0.481%
22	14.680	1969	1973	1979	rVB2	66266	107231	7.80%	1.019%
23	14.757	1980	1986	1990	rBV7	16154	29957	2.18%	0.285%
24	14.839	1991	2000	2006	rBV	354707	592501	43.13%	5.630%
25	14.898	2007	2010	2014	rVV2	23646	33882	2.47%	0.322%
26	14.945	2014	2018	2023	rVB6	11683	21773	1.58%	0.207%
27	15.227	2063	2066	2072	rVB5	13119	20388	1.48%	0.194%
28	15.297	2076	2078	2083	rVB6	8937	14457	1.05%	0.137%
29	15.362	2084	2089	2093	rBV6	10611	19514	1.42%	0.185%
30	15.468	2103	2107	2110	rBV6	7128	14283	1.04%	0.136%
31	15.503	2110	2113	2118	rVV5	15438	21012	1.53%	0.200%
32	15.562	2120	2123	2131	rVV10	13585	28317	2.06%	0.269%
33	15.638	2131	2136	2142	rVB6	27389	47920	3.49%	0.455%
34	15.738	2149	2153	2157	rBV6	9648	15369	1.12%	0.146%
35	15.879	2172	2177	2182	rBV4	12595	26505	1.93%	0.252%
36	16.179	2223	2228	2233	rVB	61406	86456	6.29%	0.822%

Sample Results: **BG064597.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064597.D
Acq On : 27 Oct 2025 21:31
Operator : RC/JU
Sample : Q3422-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S15-000008-20251021

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_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.314	2244	2251	2257	rBV	511381	766761	55.81%	7.286%
38	16.560	2286	2293	2300	rBV4	20258	48327	3.52%	0.459%
39	16.684	2310	2314	2317	rBV6	8636	14739	1.07%	0.140%
40	17.389	2430	2434	2441	rVB6	15702	29438	2.14%	0.280%
41	17.571	2459	2465	2471	rBV2	427125	704495	51.28%	6.695%
42	17.706	2483	2488	2492	rBV	16558	24462	1.78%	0.232%
43	18.446	2610	2614	2620	rBV2	73136	125604	9.14%	1.194%
44	19.610	2808	2812	2818	rVB	101175	143413	10.44%	1.363%
45	19.968	2869	2873	2880	rVB	78904	119122	8.67%	1.132%
46	20.162	2901	2906	2912	rVB	1048287	1373889	100.00%	13.056%
47	20.456	2954	2956	2960	rVB3	24478	25585	1.86%	0.243%
48	21.478	3127	3130	3137	rVB2	41243	68379	4.98%	0.650%
49	21.848	3185	3193	3199	rBV	469164	855092	62.24%	8.126%
50	24.134	3576	3582	3588	rBV4	20923	55666	4.05%	0.529%
51	25.015	3724	3732	3733	rBV8	23183	41484	3.02%	0.394%
52	25.186	3752	3761	3771	rVB	266203	771486	56.15%	7.331%
53	26.613	3996	4004	4008	rBV	12178	32884	2.39%	0.312%
54	27.089	4077	4085	4096	rBV	28526	116849	8.50%	1.110%
55	28.276	4275	4287	4299	rBV7	37730	145025	10.56%	1.378%

Sum of corrected areas: 10523439

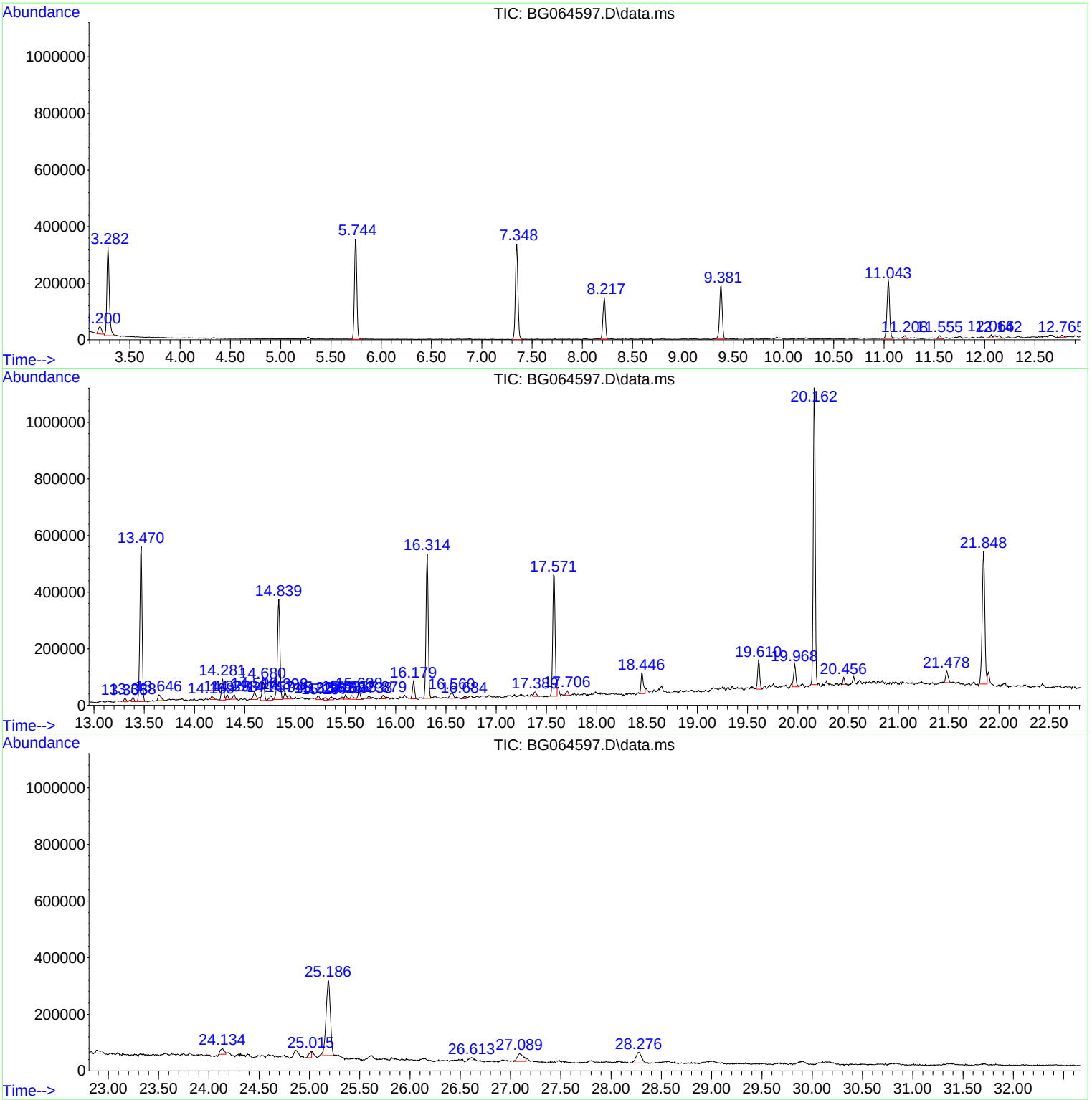
Sample Results: **BG064597.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064597.D
Acq On : 27 Oct 2025 21:31
Operator : RC/JU
Sample : Q3422-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S15-000008-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Sample Results: **BG064597.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064597.D
Acq On : 27 Oct 2025 21:31
Operator : RC/JU
Sample : Q3422-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S15-000008-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

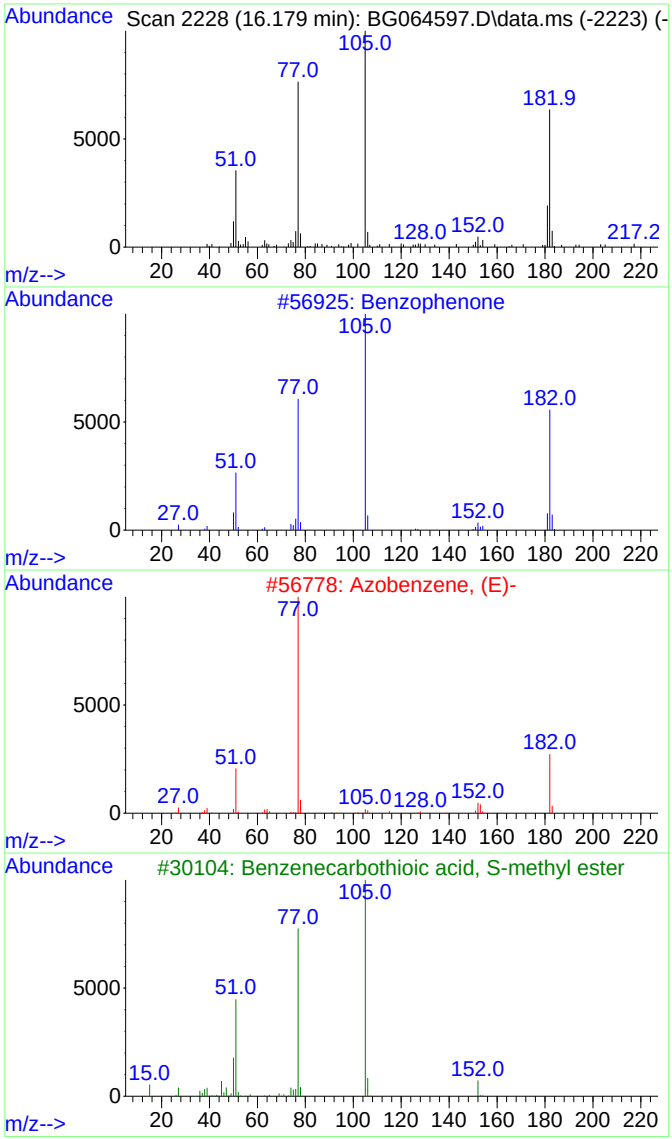
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

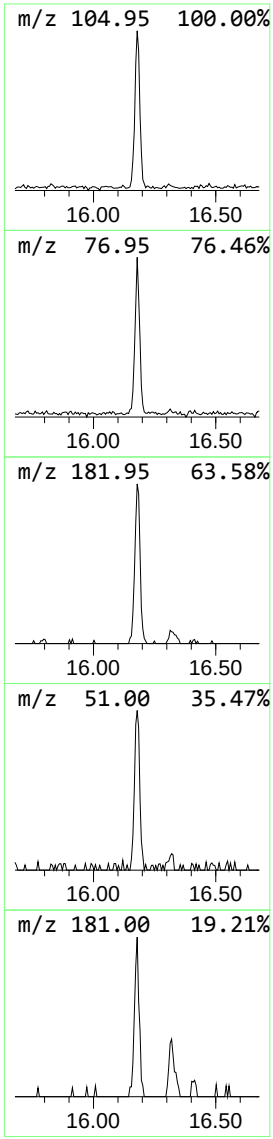
****

Peak Number 5 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.179	2.92 ng	86456	Acenaphthene-d10	14.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Azobenzene, (E)-	182	C12H10N2	017082-12-1	64
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
4	acetic acid, 2-bromo-, 2-oxo-2-p...	256	C10H9BrO3	1000401-50-0	50
5	2-(2-Nitrophenyl)-1-phenylethan-...	241	C14H11NO3	1000482-55-3	50





Sample Results: **BG064597.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064597.D
Acq On : 27 Oct 2025 21:31
Operator : RC/JU
Sample : Q3422-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S15-000008-20251021

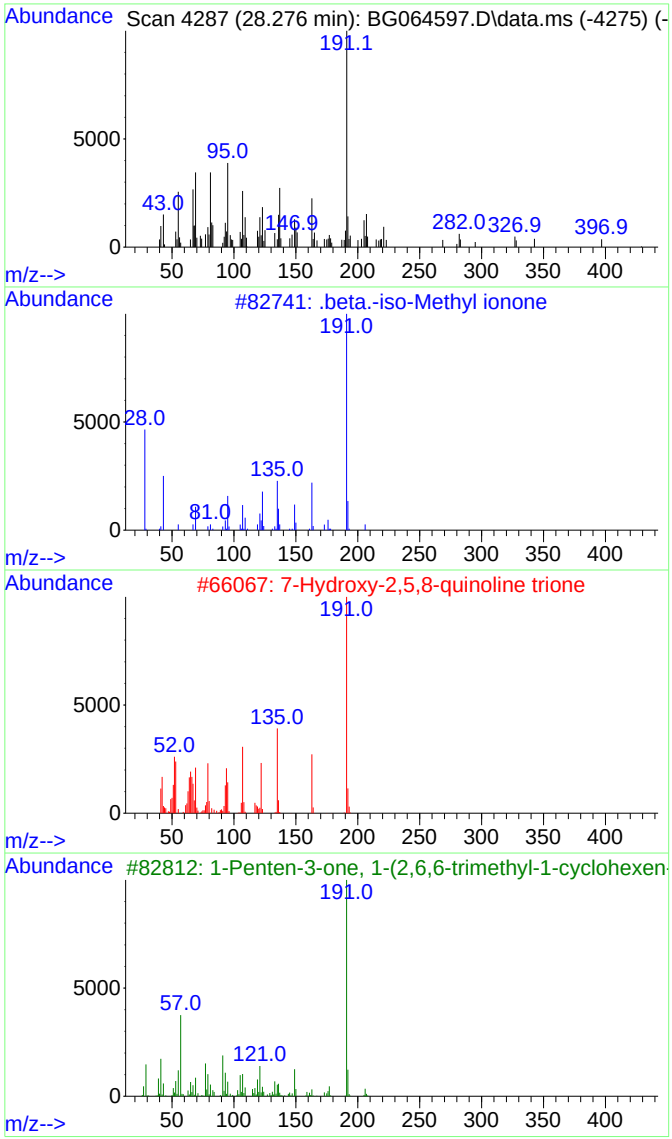
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

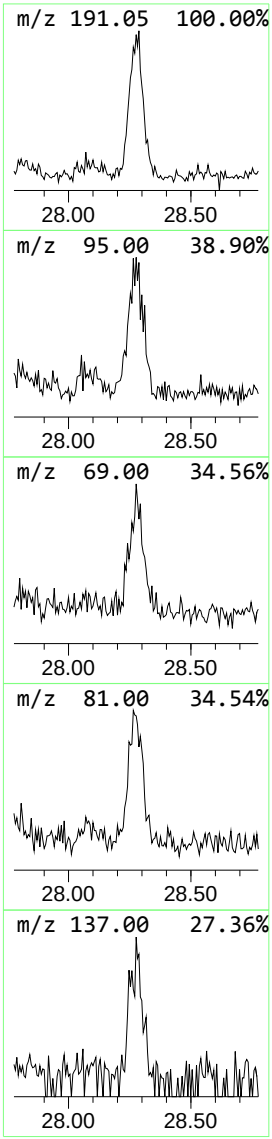
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 .beta.-iso-Methyl ionone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
28.276	3.76 ng	145025	Perylene-d12	25.186

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	86
2	7-Hydroxy-2,5,8-quinoline trione	191	C9H5NO4	015544-54-4	47
3	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	46
4	3-Buten-2-one, 4-(2,5,6,6-tetram...	206	C14H22O	000079-70-9	45
5	4H-Benzo[def]carbazole	191	C14H9N	000203-65-6	43





Sample Results: **BG064597.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064597.D
Acq On : 27 Oct 2025 21:31
Operator : RC/JU
Sample : Q3422-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S15-000008-20251021

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.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
Benzophenone	16.179	2.9	ng	86456	3	14.839	592501	20.0
.beta.-iso-Meth...	28.276	3.8	ng	145025	6	25.186	771486	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: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: BNA_G Calibration Date(s): 10/24/2025 10/24/2025

Calibration Time(s): 09:00 15:32

LAB FILE ID: RRF2.5 = BG064569.D RRF005 = BG064570.D RRF010 = BG064571.D
RRF020 = BG064572.D RRF040 = BG064573.D RRF060 = BG064574.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
2-Fluorophenol		1.098	1.207	1.155	1.292	1.318	1.192	7.1
Benzaldehyde			0.942	0.994	0.940	0.981	0.893	14.1
Phenol-d6		1.469	1.654	1.566	1.771	1.864	1.635	8.6
Phenol		1.665	1.820	1.748	1.944	2.027	1.808	7.4
bis(2-Chloroethyl)ether		2.203	2.320	2.131	2.386	2.440	2.225	7.3
2-Chlorophenol		1.051	1.207	1.197	1.373	1.461	1.247	10.6
2-Methylphenol		0.548	0.670	0.646	0.745	0.793	0.674	11.7
2,2-oxybis(1-Chloropropane)		3.421	3.604	3.396	3.733	3.802	3.487	6.7
Acetophenone		0.535	0.565	0.528	0.584	0.590	0.547	6.0
3+4-Methylphenols			1.652	1.581	1.818	1.895	1.688	8.0
n-Nitroso-di-n-propylamine	1.044	1.038	1.141	1.129	1.227	1.289	1.130	7.9
Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.403	0.333	17.0
Hexachloroethane		0.468	0.535	0.505	0.541	0.557	0.512	6.4
Nitrobenzene		0.274	0.312	0.344	0.410	0.438	0.362	15.6
Isophorone		0.751	0.796	0.771	0.869	0.891	0.799	7.2
2-Nitrophenol		0.076	0.095	0.110	0.137	0.152	0.121	23.2
2,4-Dimethylphenol		0.236	0.294	0.285	0.335	0.359	0.303	12.9
bis(2-Chloroethoxy)methane		0.452	0.464	0.443	0.490	0.493	0.455	6.5
2,4-Dichlorophenol		0.243	0.299	0.315	0.360	0.373	0.320	13.3
Naphthalene		1.083	1.144	1.084	1.177	1.201	1.109	6.0
4-Chloroaniline		0.390	0.456	0.411	0.459	0.486	0.431	8.3
Hexachlorobutadiene		0.266	0.291	0.282	0.299	0.306	0.284	5.3
Caprolactam			0.112	0.114	0.134	0.142	0.123	9.9
4-Chloro-3-methylphenol		0.323	0.381	0.361	0.426	0.454	0.384	11.2
2-Methylnaphthalene		0.764	0.858	0.797	0.865	0.888	0.814	6.7
Hexachlorocyclopentadiene			0.268	0.279	0.324	0.340	0.302	9.0
2,4,6-Trichlorophenol		0.294	0.333	0.375	0.423	0.456	0.384	14.4
2-Fluorobiphenyl		1.310	1.389	1.306	1.384	1.384	1.319	5.2
2,4,5-Trichlorophenol		0.339	0.425	0.439	0.484	0.517	0.443	12.5
1,1-Biphenyl		1.456	1.450	1.401	1.489	1.498	1.422	5.0
2-Chloronaphthalene		1.065	1.082	1.053	1.132	1.145	1.073	4.7
2-Nitroaniline		0.201	0.234	0.277	0.348	0.404	0.311	24.1
Dimethylphthalate		1.389	1.570	1.488	1.641	1.699	1.530	7.2
Acenaphthylene		1.667	1.726	1.647	1.786	1.827	1.693	5.3

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: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: BNA_G Calibration Date(s): 10/24/2025 10/24/2025

Calibration Time(s): 09:00 15:32

LAB FILE ID: RRF2.5 = BG064569.D RRF005 = BG064570.D RRF010 = BG064571.D
RRF020 = BG064572.D RRF040 = BG064573.D RRF060 = BG064574.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
2,6-Dinitrotoluene		0.127	0.180	0.193	0.247	0.283	0.218	24.7
3-Nitroaniline		0.180	0.211	0.252	0.294	0.325	0.263	19.7
Acenaphthene		1.126	1.178	1.115	1.223	1.261	1.157	5.6
2,4-Dinitrophenol			0.086	0.110	0.137	0.165	0.132	22.1
4-Nitrophenol			0.191	0.213	0.261	0.283	0.244	14.4
Dibenzofuran		1.881	1.972	1.826	1.963	1.988	1.870	6.0
2,4-Dinitrotoluene		0.223	0.269	0.300	0.385	0.434	0.340	22.7
Diethylphthalate		1.417	1.645	1.514	1.657	1.718	1.563	7.1
4-Chlorophenyl-phenylether		0.800	0.864	0.792	0.866	0.888	0.820	6.4
Fluorene		1.471	1.559	1.426	1.531	1.549	1.460	6.4
4-Nitroaniline		0.194	0.252	0.286	0.327	0.355	0.293	18.6
4,6-Dinitro-2-methylphenol			0.055	0.064	0.083	0.097	0.079	21.0
n-Nitrosodiphenylamine		0.510	0.551	0.525	0.583	0.594	0.540	6.8
2,4,6-Tribromophenol		0.221	0.266	0.272	0.318	0.346	0.289	14.0
4-Bromophenyl-phenylether		0.218	0.236	0.230	0.258	0.264	0.237	7.3
Hexachlorobenzene		0.254	0.266	0.262	0.292	0.302	0.270	7.0
Atrazine		0.215	0.227	0.249	0.245	0.261	0.232	8.3
Pentachlorophenol			0.132	0.152	0.180	0.199	0.169	13.9
Phenanthrene		1.084	1.133	1.073	1.162	1.179	1.094	6.2
Anthracene		1.087	1.144	1.101	1.187	1.204	1.113	6.2
Carbazole		0.982	1.037	0.982	1.031	1.028	0.981	5.9
Di-n-butylphthalate		1.011	1.156	1.179	1.240	1.198	1.135	7.1
Fluoranthene		1.385	1.463	1.380	1.440	1.403	1.370	5.9
Pyrene		1.287	1.331	1.284	1.411	1.406	1.307	6.2
Terphenyl-d14		1.074	1.120	1.066	1.142	1.102	1.060	7.2
Butylbenzylphthalate		0.284	0.359	0.388	0.450	0.467	0.395	15.4
3,3-Dichlorobenzidine			0.418	0.428	0.477	0.486	0.443	6.9
Benzo(a)anthracene		1.294	1.355	1.292	1.416	1.430	1.326	5.7
Chrysene		1.249	1.291	1.229	1.344	1.359	1.262	5.8
Bis(2-ethylhexyl)phthalate		0.484	0.555	0.581	0.671	0.667	0.590	11.0
Di-n-octyl phthalate			0.871	0.932	1.087	1.117	0.995	9.3
Benzo(b)fluoranthene		1.138	1.246	1.169	1.322	1.353	1.226	6.8
Benzo(k)fluoranthene		1.175	1.260	1.206	1.285	1.364	1.227	6.5
Benzo(a)pyrene		1.061	1.144	1.093	1.202	1.246	1.127	6.4
Indeno(1,2,3-cd)pyrene		1.383	1.491	1.410	1.568	1.642	1.471	6.8

All other compounds must meet a minimum RRF of 0.010.

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: BNA_G Calibration Date(s): 10/24/2025 10/24/2025

Calibration Time(s): 09:00 15:32

LAB FILE ID: RRF2.5 = BG064569.D RRF005 = BG064570.D RRF010 = BG064571.D
RRF020 = BG064572.D RRF040 = BG064573.D RRF060 = BG064574.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
Dibenzo(a,h)anthracene		1.120	1.223	1.158	1.268	1.324	1.195	6.5
Benzo(g,h,i)perylene		1.383	1.491	1.410	1.568	1.642	1.471	6.8
1,2,4,5-Tetrachlorobenzene		0.657	0.684	0.648	0.702	0.717	0.671	4.6
1,4-Dioxane		0.570	0.581	0.524	0.525	0.559	0.528	8.8
2,3,4,6-Tetrachlorophenol		0.312	0.385	0.402	0.466	0.508	0.424	15.0

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064569.D 5 =BG064570.D 10 =BG064571.D 20 =BG064572.D 40 =BG064573.D 50 =BG064576.D 60 =BG064574.D 80 =BG0645
75.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.570	0.581	0.524	0.525	0.474	0.559	0.460	0.528	8.85
3)		Pyridine		1.630	1.608	1.552	1.669	1.471	1.733	1.427	1.584	6.84
4)		n-Nitrosodimet...			0.912	0.807	0.900	0.780	0.921	0.776	0.850	8.08
5)	S	2-Fluorophenol		1.098	1.207	1.155	1.292	1.139	1.318	1.132	1.192	7.09
6)		Aniline		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
7)	S	Phenol-d6		1.469	1.654	1.566	1.771	1.597	1.864	1.524	1.635	8.55
8)		2-Chlorophenol		1.051	1.207	1.197	1.373	1.225	1.461	1.216	1.247	10.65
9)		Benzaldehyde			0.942	0.994	0.940	0.836	0.981	0.662	0.893	14.09
10)	C	Phenol		1.665	1.820	1.748	1.944	1.761	2.027	1.693	1.808	7.36
11)		bis(2-Chloroet...		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
12)		1,3-Dichlorobe...		1.435	1.516	1.394	1.520	1.342	1.542	1.299	1.435	6.62
13)	C	1,4-Dichlorobe...		1.431	1.546	1.442	1.534	1.381	1.561	1.323	1.460	6.21
14)		1,2-Dichlorobe...		1.371	1.518	1.364	1.483	1.316	1.520	1.283	1.408	6.97
15)		Benzyl Alcohol			1.281	1.263	1.425	1.306	1.533	1.283	1.348	7.97
16)		2,2'-oxybis(1-...		3.421	3.604	3.396	3.733	3.301	3.802	3.154	3.487	6.74
17)		2-Methylphenol		0.548	0.670	0.646	0.745	0.677	0.793	0.638	0.674	11.71
18)		Hexachloroethane		0.468	0.535	0.505	0.541	0.496	0.557	0.483	0.512	6.41
19)	P	n-Nitroso-di-n...	1.044	1.038	1.141	1.129	1.227	1.115	1.289	1.057	1.130	7.93
20)		3+4-Methylphenols			1.652	1.581	1.818	1.612	1.895	1.571	1.688	8.04
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.535	0.565	0.528	0.584	0.516	0.590	0.509	0.547	6.04
23)	S	Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.356	0.403	0.356	0.333	17.02
24)		Nitrobenzene		0.274	0.312	0.344	0.410	0.377	0.438	0.380	0.362	15.64
25)		Isophorone		0.751	0.796	0.771	0.869	0.764	0.891	0.751	0.799	7.25
26)	C	2-Nitrophenol		0.076	0.095	0.110	0.137	0.135	0.152	0.144	0.121	23.20
27)		2,4-Dimethylph...		0.236	0.294	0.285	0.335	0.309	0.359	0.303	0.303	12.88
28)		bis(2-Chloroet...		0.452	0.464	0.443	0.490	0.426	0.493	0.417	0.455	6.48
29)	C	2,4-Dichloroph...		0.243	0.299	0.315	0.360	0.327	0.373	0.322	0.320	13.34
30)		1,2,4-Trichlor...		0.338	0.369	0.348	0.391	0.349	0.399	0.349	0.363	6.44
31)		Naphthalene		1.083	1.144	1.084	1.177	1.036	1.201	1.037	1.109	5.96
32)		Benzoic acid			0.100	0.143	0.204	0.215	0.245	0.229	0.189	29.61
33)		4-Chloroaniline		0.390	0.456	0.411	0.459	0.410	0.486	0.405	0.431	8.29
34)	C	Hexachlorobuta...		0.266	0.291	0.282	0.299	0.271	0.306	0.273	0.284	5.33
35)		Caprolactam			0.112	0.114	0.134	0.118	0.142	0.116	0.123	9.85
36)	C	4-Chloro-3-met...		0.323	0.381	0.361	0.426	0.376	0.454	0.370	0.384	11.18
37)		2-Methylnaphth...		0.764	0.858	0.797	0.865	0.772	0.888	0.755	0.814	6.74
38)		1-Methylnaphth...		0.764	0.849	0.776	0.853	0.752	0.878	0.735	0.801	7.18

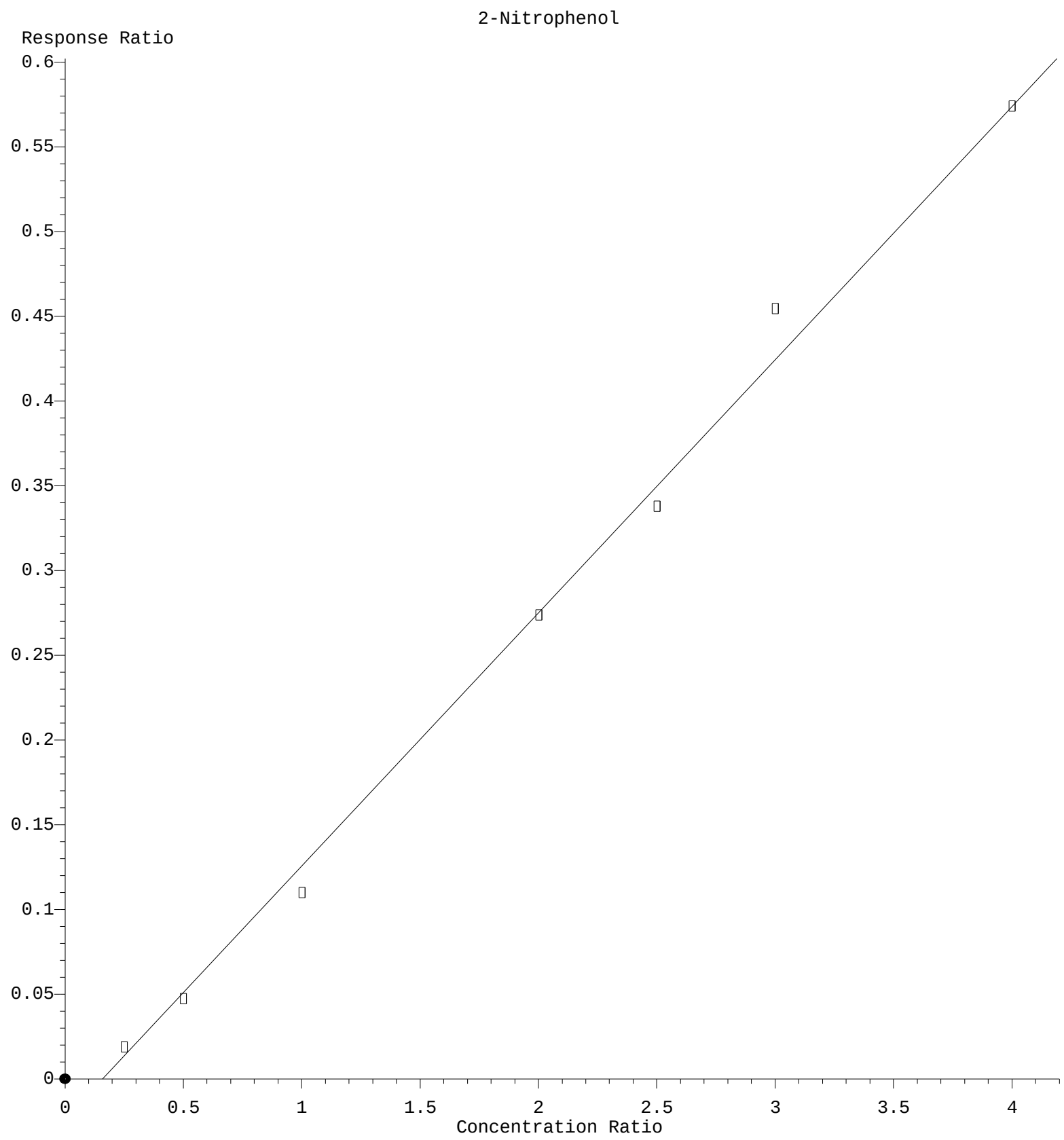
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.657	0.684	0.648	0.702	0.633	0.717	0.657	0.671	4.55
41)	P	Hexachlorocycl...		0.268	0.279	0.324	0.297	0.340	0.305	0.302	8.97
42)	S	2,4,6-Tribromo...	0.221	0.266	0.272	0.318	0.292	0.346	0.306	0.289	14.04
43)	C	2,4,6-Trichlor...	0.294	0.333	0.375	0.423	0.399	0.456	0.408	0.384	14.41
44)		2,4,5-Trichlor...	0.339	0.425	0.439	0.484	0.443	0.517	0.454	0.443	12.48
45)	S	2-Fluorobiphenyl	1.310	1.389	1.306	1.384	1.235	1.384	1.228	1.319	5.24
46)		1,1'-Biphenyl	1.456	1.450	1.401	1.489	1.326	1.498	1.333	1.422	4.98
47)		2-Chloronaphth...	1.065	1.082	1.053	1.132	1.013	1.145	1.023	1.073	4.71
48)		2-Nitroaniline	0.201	0.234	0.277	0.348	0.343	0.404	0.367	0.311	24.06
49)		Acenaphthylene	1.667	1.726	1.647	1.786	1.593	1.827	1.604	1.693	5.30
50)		Dimethylphthalate	1.389	1.570	1.488	1.641	1.462	1.699	1.462	1.530	7.21
51)		2,6-Dinitrotol...	0.127	0.180	0.193	0.247	0.244	0.283	0.254	0.218	24.69
52)	C	Acenaphthene	1.126	1.178	1.115	1.223	1.093	1.261	1.101	1.157	5.63
53)		3-Nitroaniline	0.180	0.211	0.252	0.294	0.281	0.325	0.297	0.263	19.70
54)	P	2,4-Dinitrophenol		0.086	0.110	0.137	0.139	0.165	0.154	0.132	22.11
55)		Dibenzofuran	1.881	1.972	1.826	1.963	1.734	1.988	1.725	1.870	5.96
56)	P	4-Nitrophenol		0.191	0.213	0.261	0.250	0.283	0.267	0.244	14.40
57)		2,4-Dinitrotol...	0.223	0.269	0.300	0.385	0.373	0.434	0.396	0.340	22.67
58)		Fluorene	1.471	1.559	1.426	1.531	1.356	1.549	1.329	1.460	6.38
59)		2,3,4,6-Tetrac...	0.312	0.385	0.402	0.466	0.444	0.508	0.449	0.424	15.04
60)		Diethylphthalate	1.417	1.645	1.514	1.657	1.486	1.718	1.502	1.563	7.06
61)		4-Chlorophenyl...	0.800	0.864	0.792	0.866	0.763	0.888	0.763	0.820	6.38
62)		4-Nitroaniline	0.194	0.252	0.286	0.327	0.310	0.355	0.324	0.293	18.55
63)		Azobenzene	1.362	1.504	1.377	1.538	1.338	1.564	1.353	1.434	6.80
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.055	0.064	0.083	0.083	0.097	0.093	0.079	21.00
66)	c	n-Nitrosodiphe...	0.510	0.551	0.525	0.583	0.518	0.594	0.500	0.540	6.79
67)		4-Bromophenyl-...	0.218	0.236	0.230	0.258	0.229	0.264	0.224	0.237	7.28
68)		Hexachlorobenzene	0.254	0.266	0.262	0.292	0.260	0.302	0.256	0.270	6.99
69)		Atrazine	0.215	0.227	0.249	0.245	0.219	0.261	0.211	0.232	8.27
70)	C	Pentachlorophenol		0.132	0.152	0.180	0.172	0.199	0.177	0.169	13.91
71)		Phenanthrene	1.084	1.133	1.073	1.162	1.020	1.179	1.005	1.094	6.17
72)		Anthracene	1.087	1.144	1.101	1.187	1.041	1.204	1.025	1.113	6.17
73)		Carbazole	0.982	1.037	0.982	1.031	0.910	1.028	0.897	0.981	5.90
74)		Di-n-butylphth...	1.011	1.156	1.179	1.240	1.084	1.198	1.075	1.134	7.11
75)	C	Fluoranthene	1.385	1.463	1.380	1.440	1.273	1.403	1.247	1.370	5.91
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.392	0.475	0.490	0.416	0.533	0.383	0.448	13.40
78)		Pyrene	1.287	1.331	1.284	1.411	1.233	1.406	1.196	1.307	6.24
79)	S	Terphenyl-d14	1.074	1.120	1.066	1.142	0.987	1.102	0.928	1.060	7.21
80)		Butylbenzylpht...	0.284	0.359	0.388	0.450	0.408	0.467	0.410	0.395	15.43
81)		Benzo(a)anthra...	1.294	1.355	1.292	1.416	1.253	1.430	1.243	1.326	5.71
82)		3,3'-Dichlorob...		0.418	0.428	0.477	0.424	0.486	0.424	0.443	6.88
83)		Chrysene	1.249	1.291	1.229	1.344	1.188	1.359	1.173	1.262	5.76
84)		Bis(2-ethylhex...	0.484	0.555	0.581	0.671	0.585	0.667	0.588	0.590	10.95
85)	c	Di-n-octyl pht...		0.871	0.932	1.087	0.976	1.117	0.986	0.995	9.32

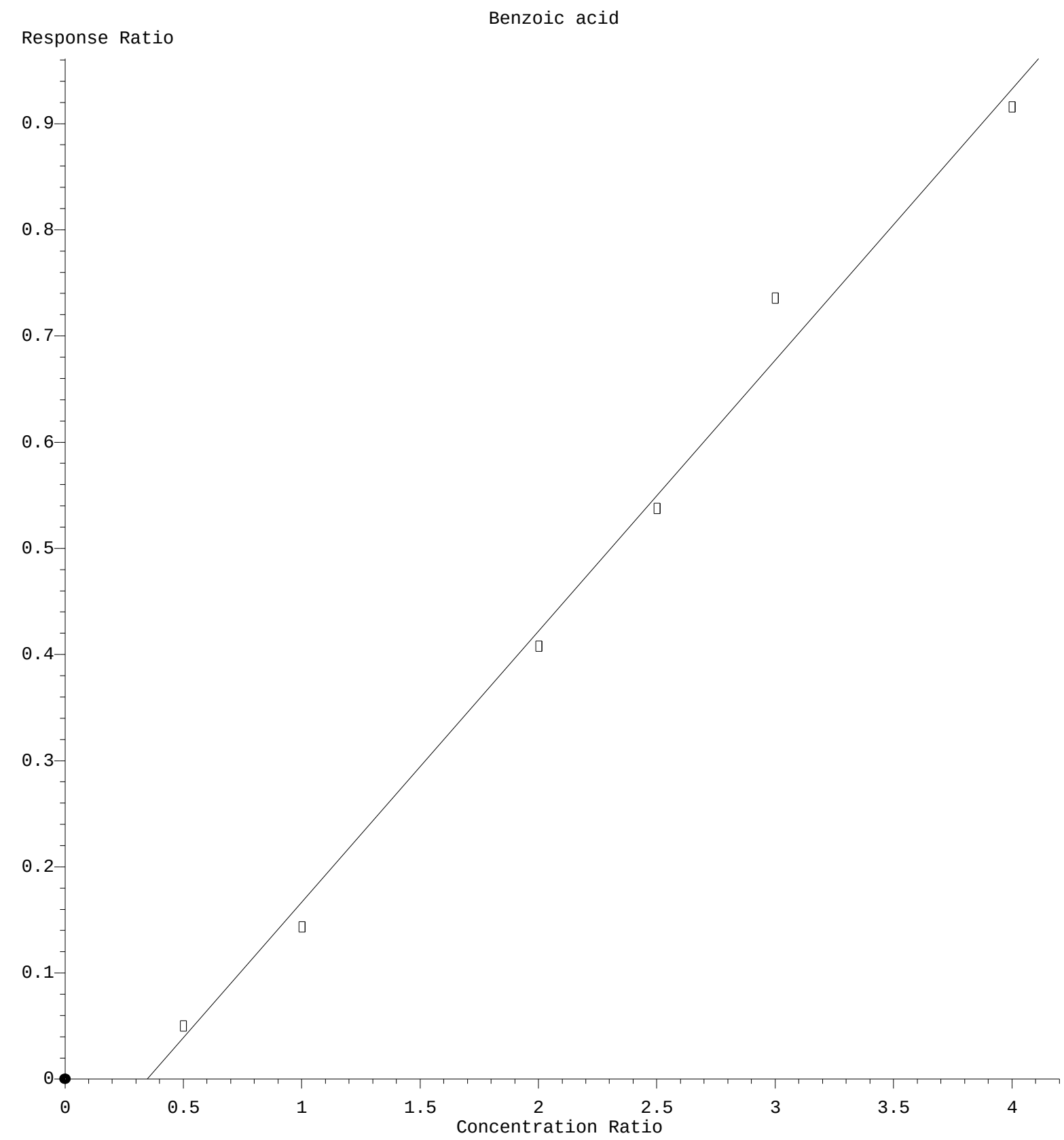
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80
88)		Benzo(b)fluora...	1.138	1.246	1.169	1.322	1.173	1.353	1.183	1.226	6.77
89)		Benzo(k)fluora...	1.175	1.260	1.206	1.285	1.151	1.364	1.149	1.227	6.51
90)	C	Benzo(a)pyrene	1.061	1.144	1.093	1.202	1.067	1.246	1.079	1.127	6.42
91)		Dibenzo(a,h)an...	1.120	1.223	1.158	1.268	1.130	1.324	1.143	1.195	6.55
92)		Benzo(g,h,i)pe...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80

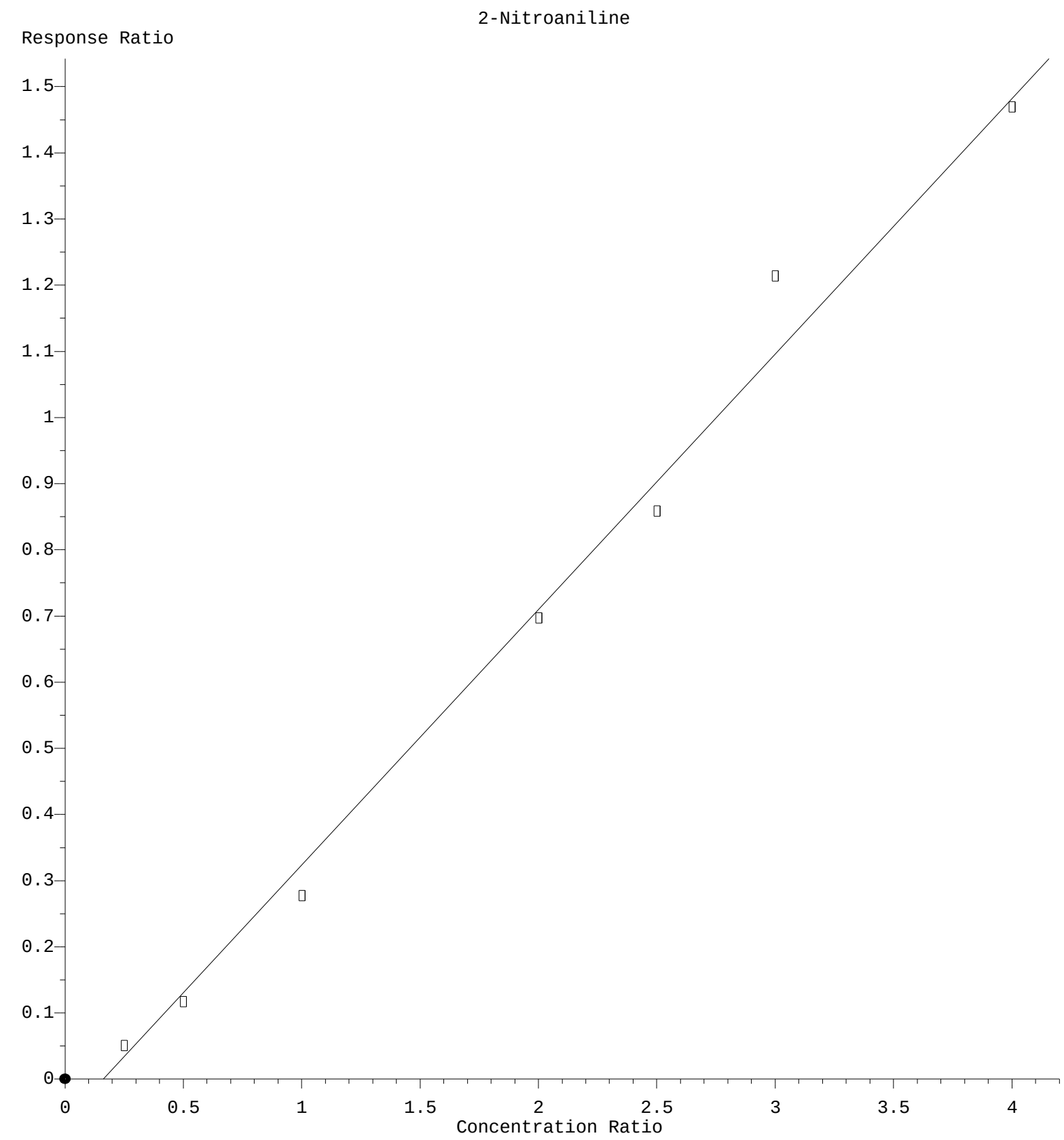
(#) = Out of Range



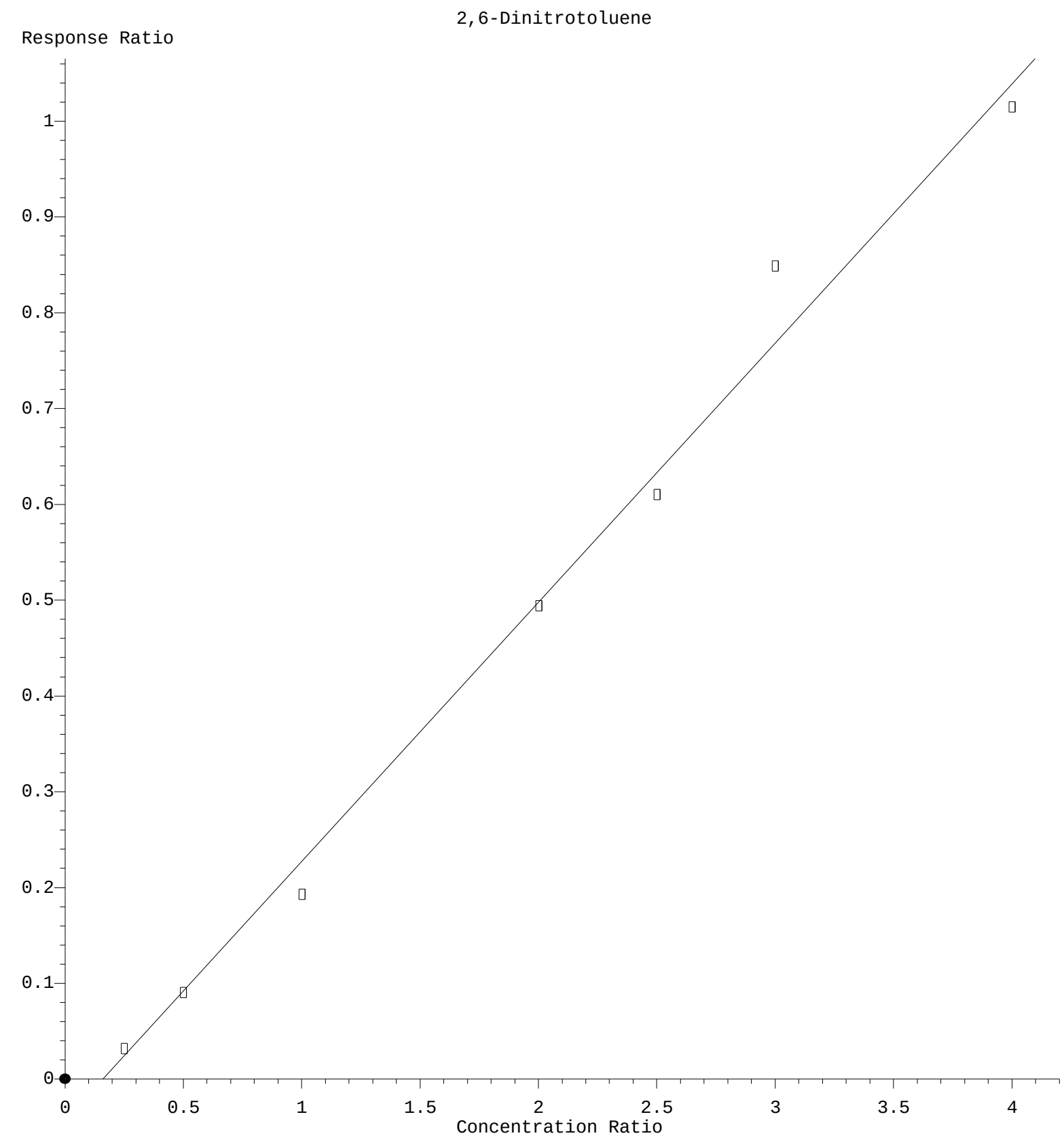
Response = 1.495e-001 * Amt - 2.340e-002
Coef of Det (r^2) = 0.995585 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



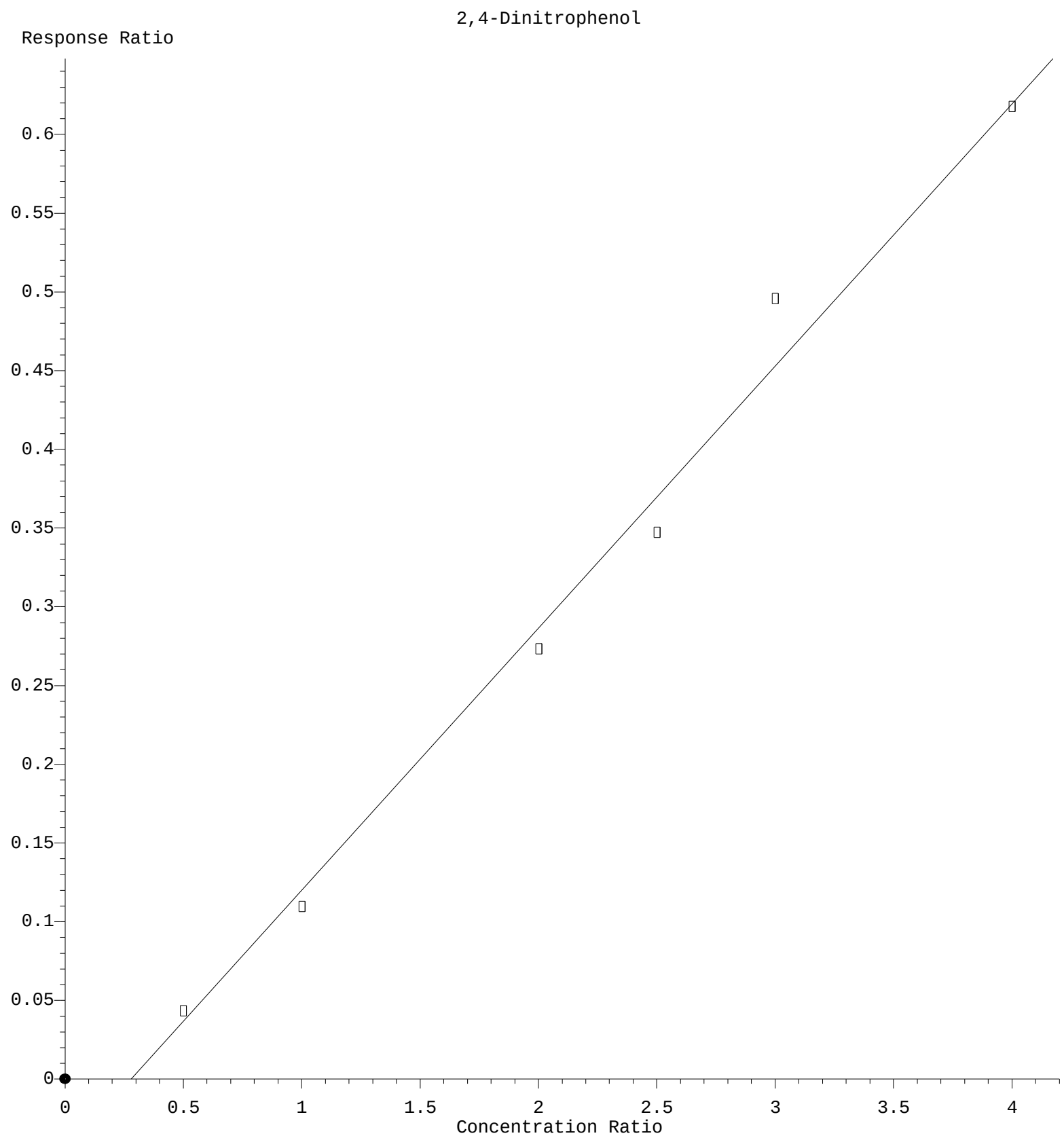
Response = 2.554e-001 * Amt - 8.844e-002
Coef of Det (r^2) = 0.993384 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



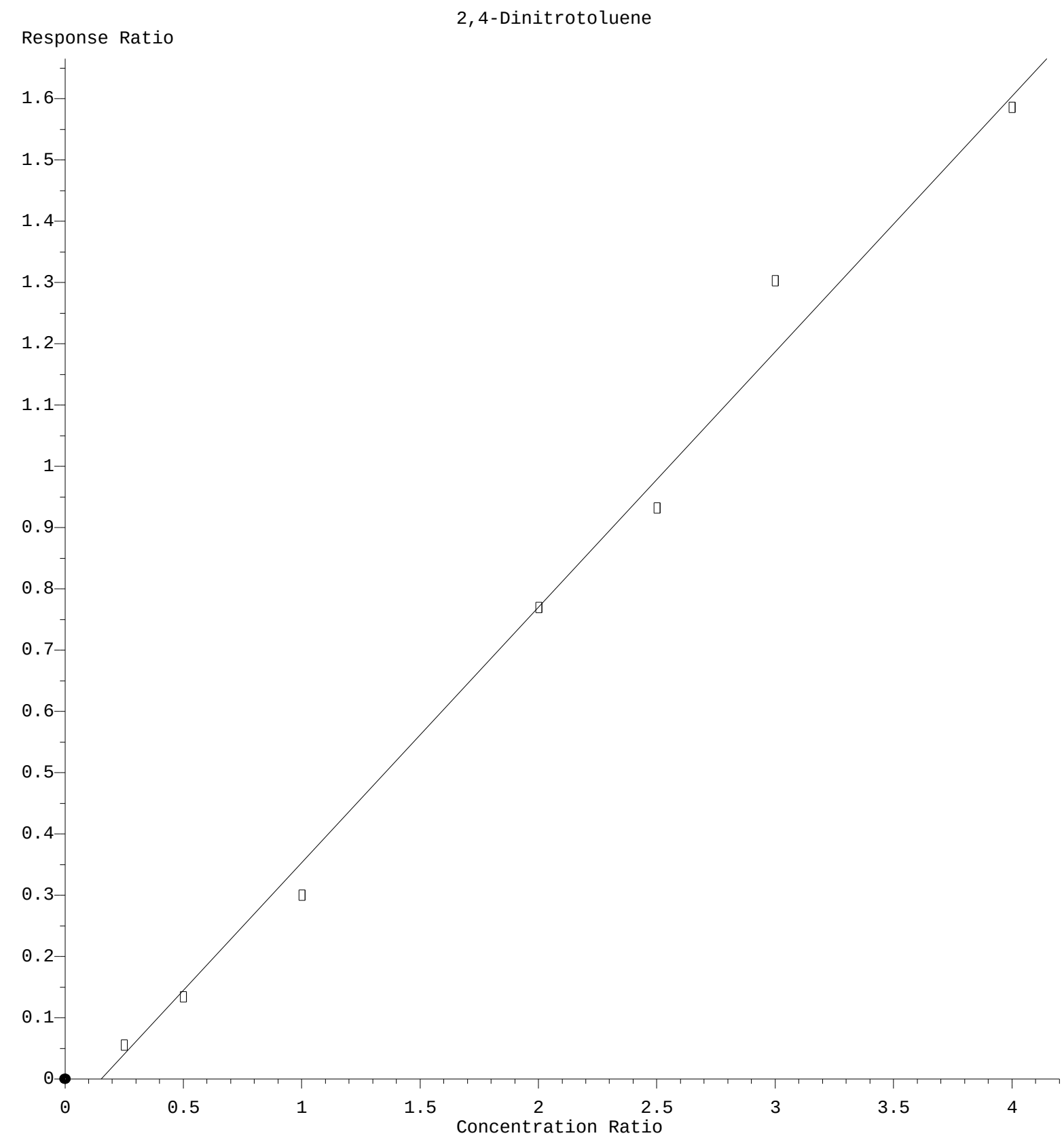
Response = 3.863e-001 * Amt - 6.228e-002
Coef of Det (r^2) = 0.991893 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



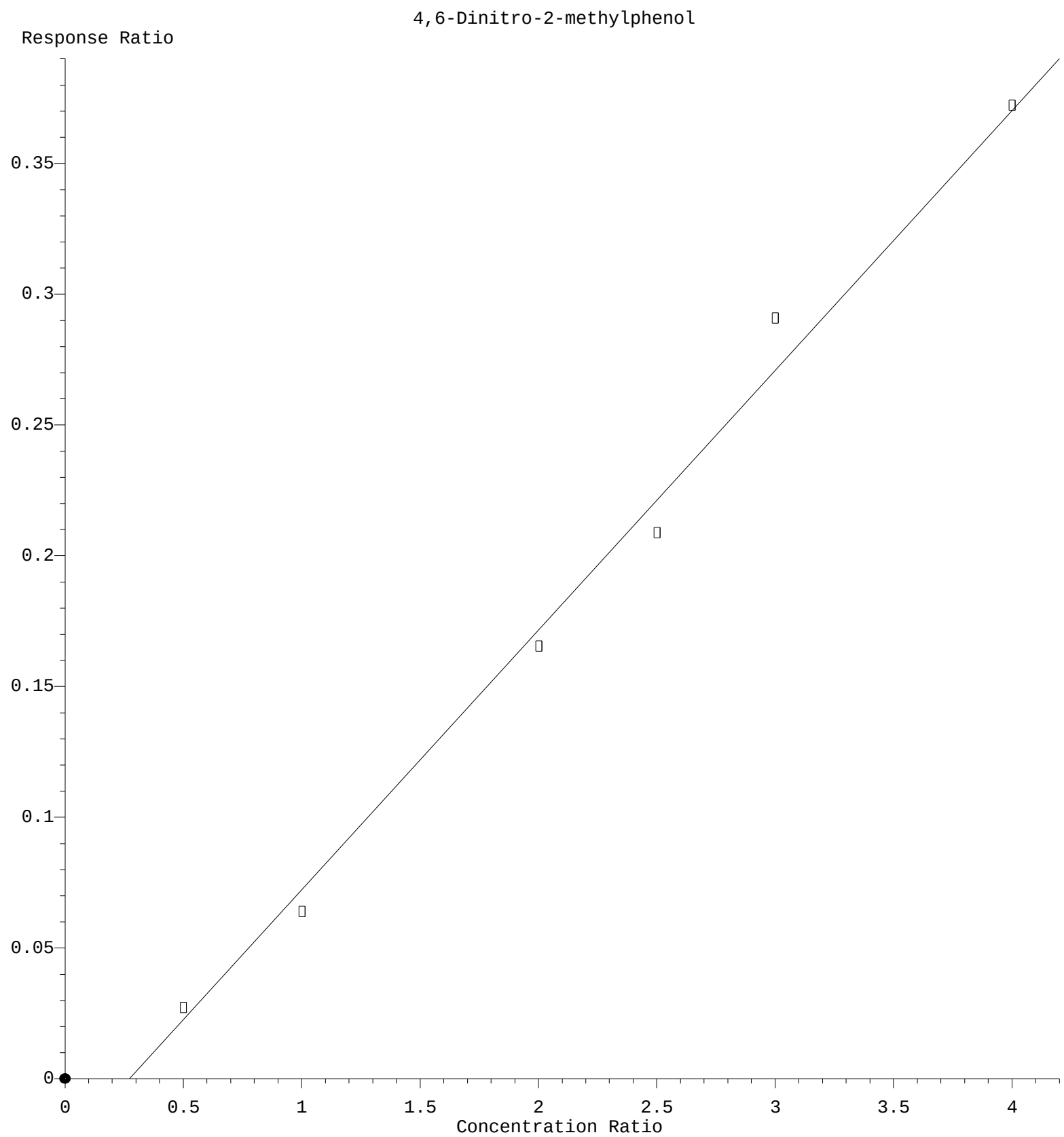
Response = 2.705e-001 * Amt - 4.319e-002
Coef of Det (r^2) = 0.992850 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



Response = 1.666e-001 * Amt - 4.640e-002
Coef of Det (r^2) = 0.992196 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



Response = 4.169e-001 * Amt - 6.360e-002
Coef of Det (r^2) = 0.992833 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



Response = 9.922e-002 * Amt - 2.692e-002
Coef of Det (r^2) = 0.993360 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064569.D
Acq On : 24 Oct 2025 9:00
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 24 17:10:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	43718	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	174680	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	136814	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	341404	20.000	ng	0.00
76) Chrysene-d12	21.854	240	378586	20.000	ng	0.00
86) Perylene-d12	25.203	264	398350	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...	9.016	70	5707	2.310	ng	# 90

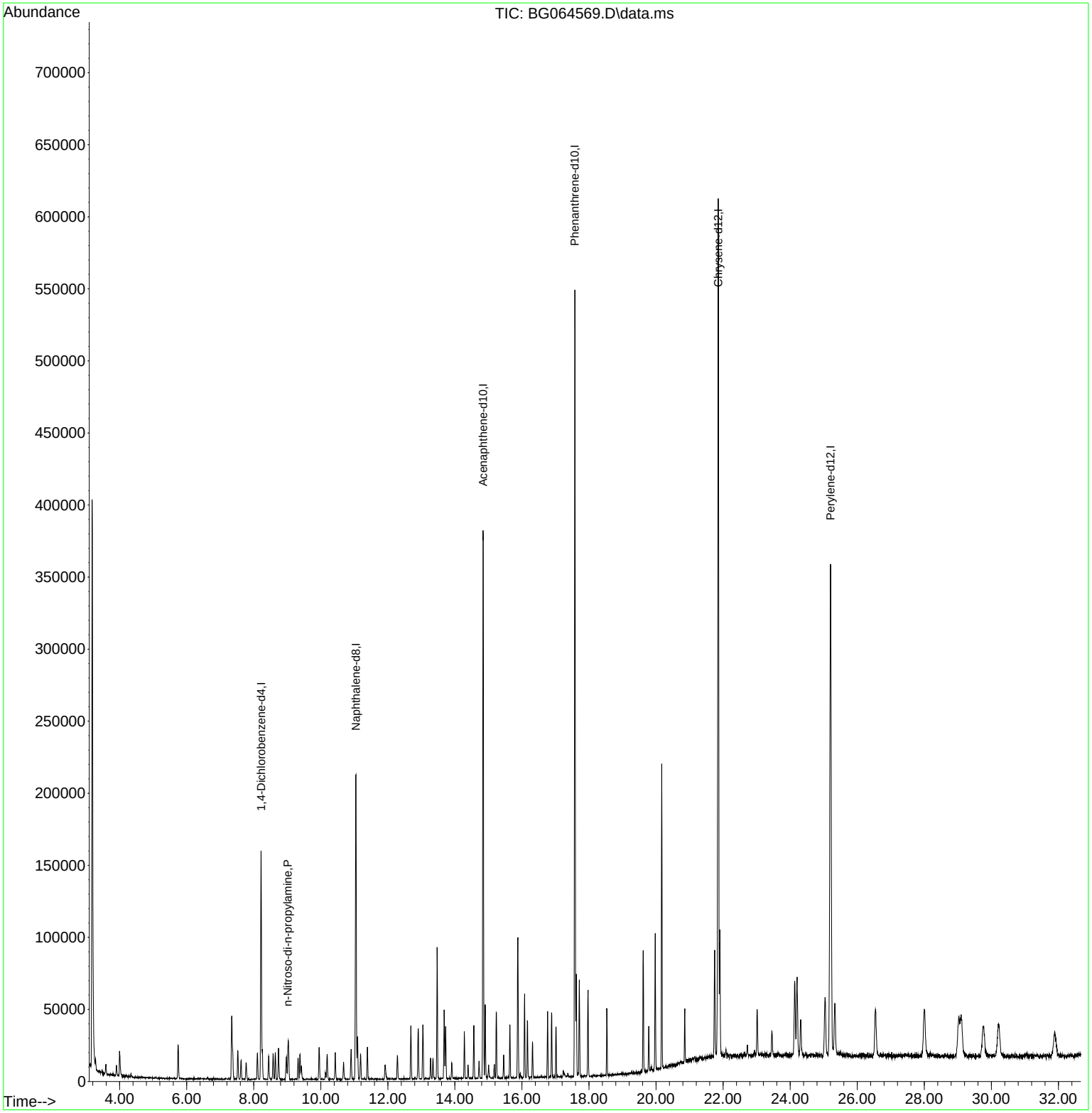
(#) = qualifier out of range (m) = manual integration (+) = signals summed

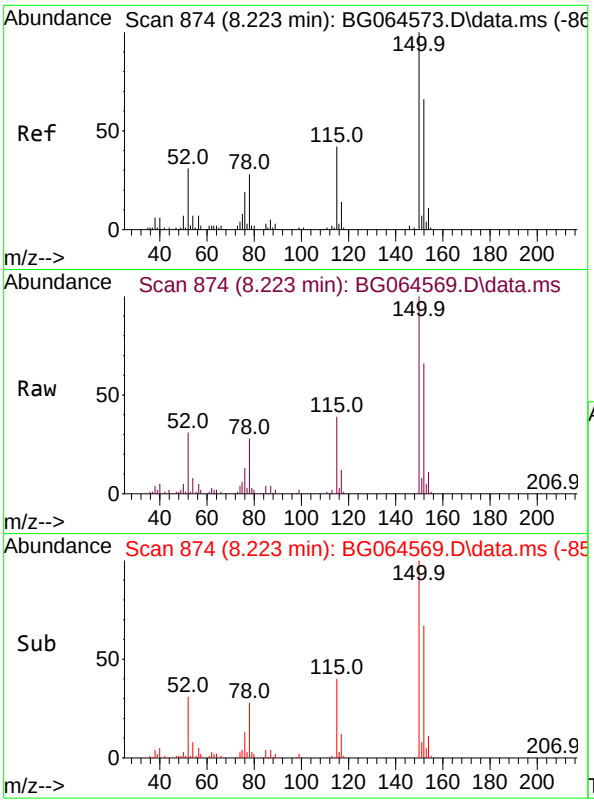
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064569.D
Acq On : 24 Oct 2025 9:00
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 24 17:10:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



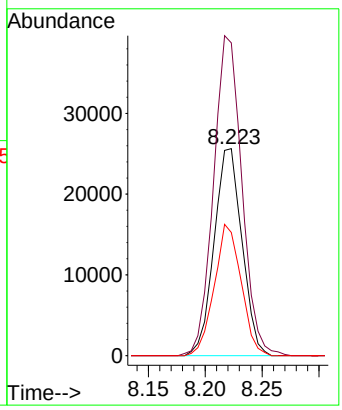


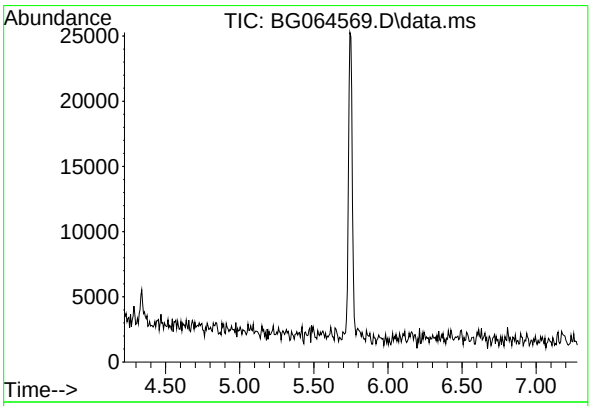
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 43718

Ion	Ratio	Lower	Upper
152	100		
150	151.2	122.2	183.4
115	59.5	50.8	76.2



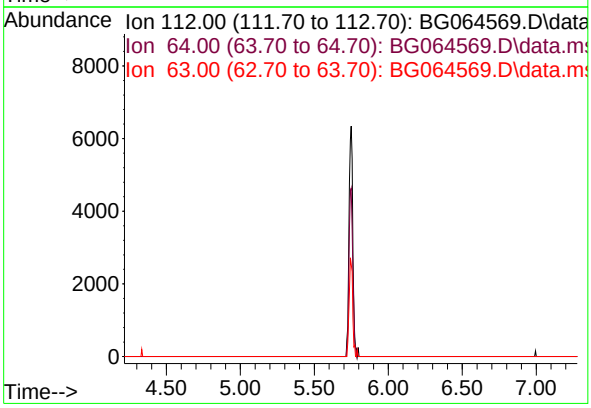


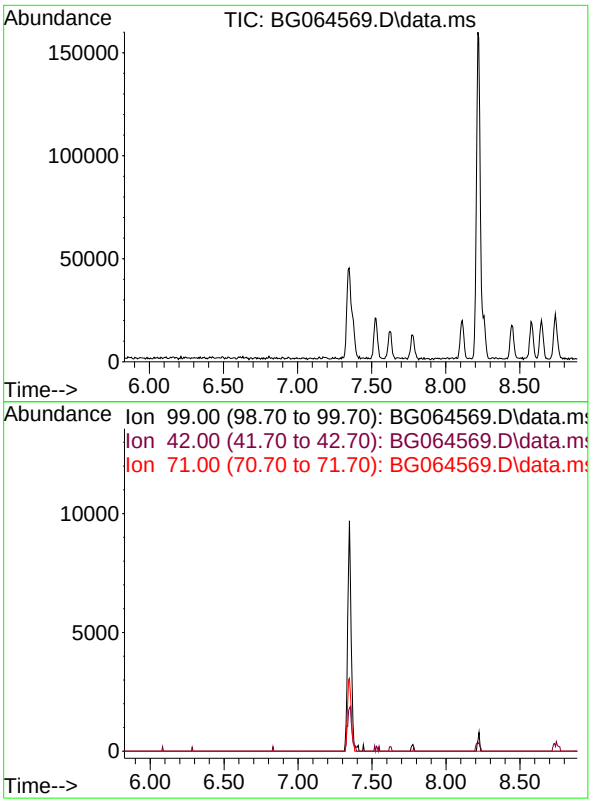
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.75 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	75.9
63	41.7





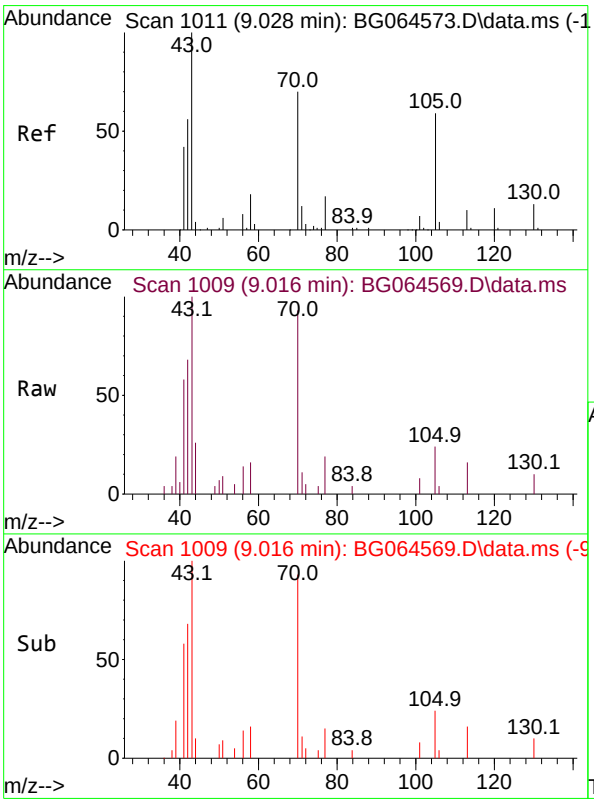
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.36 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

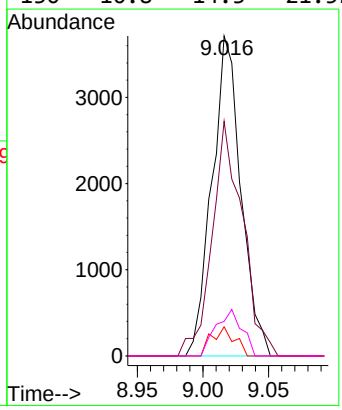
Sig	Exp Ratio
99	100
42	22.9
71	35.8

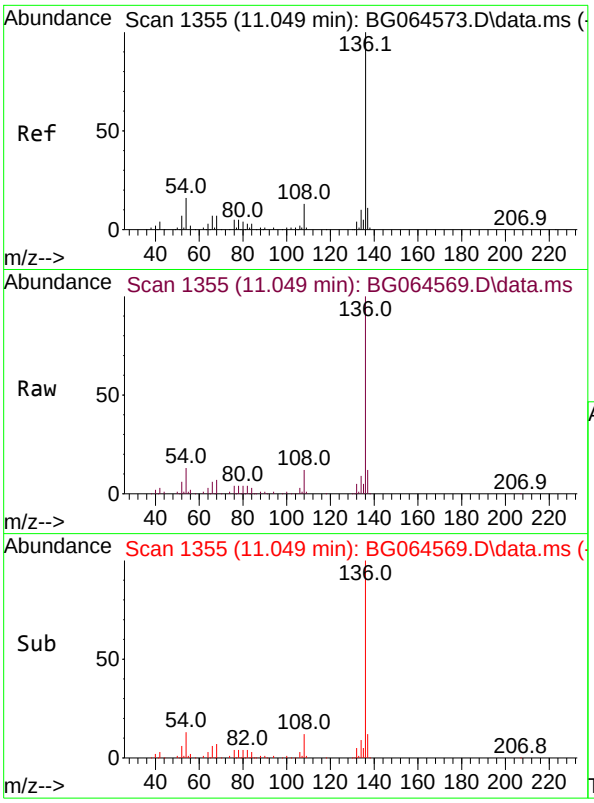


#19
n-Nitroso-di-n-propylamine
Concen: 2.310 ng
RT: 9.016 min Scan# 1009
Delta R.T. -0.015 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 70 Resp: 5707

Ion	Ratio	Lower	Upper
70	100		
42	73.3	65.2	97.8
101	9.1	7.9	11.9
130	10.8	14.3	21.5#



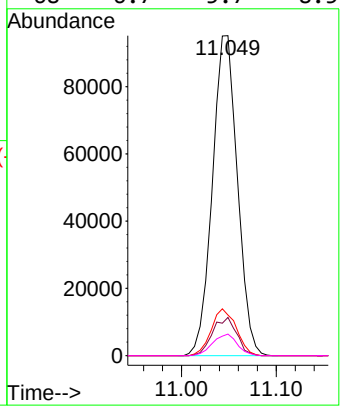


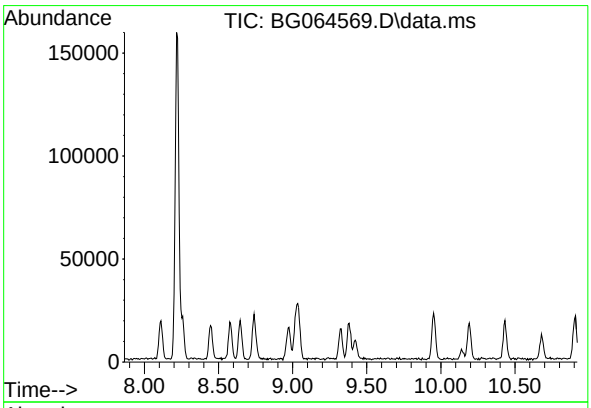
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 174680

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	12.7	12.6	19.0
68	6.7	5.7	8.5



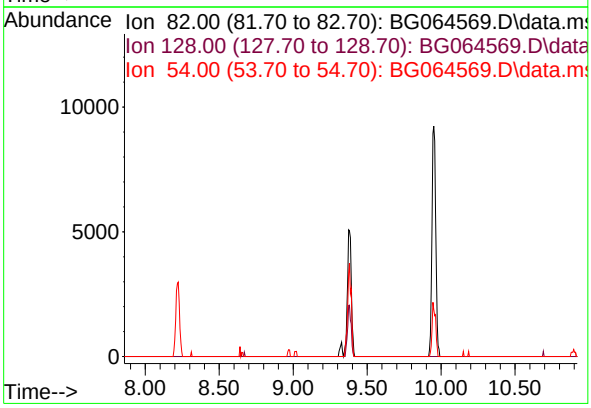


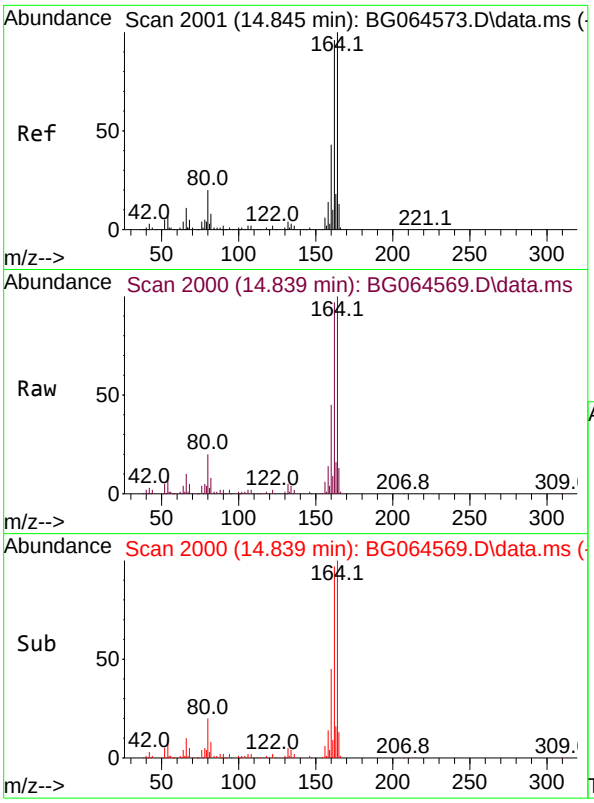
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.39 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	39.1
54	70.7



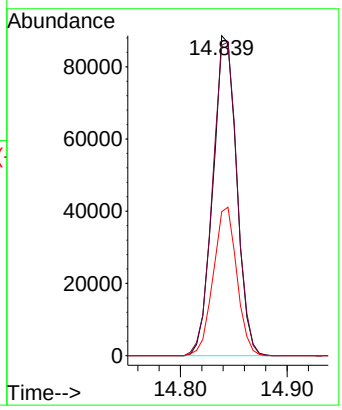


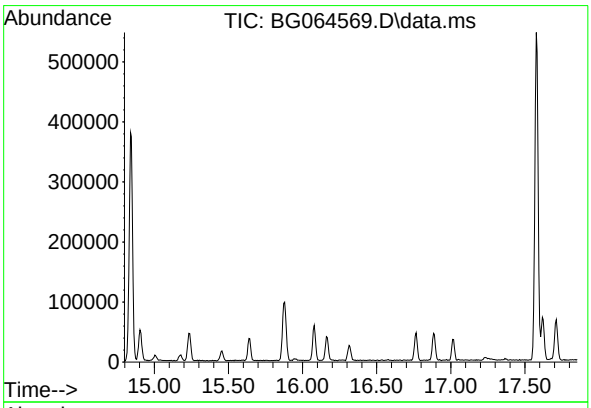
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 136814

Ion	Ratio	Lower	Upper
164	100		
162	97.0	77.0	115.6
160	45.0	34.4	51.6



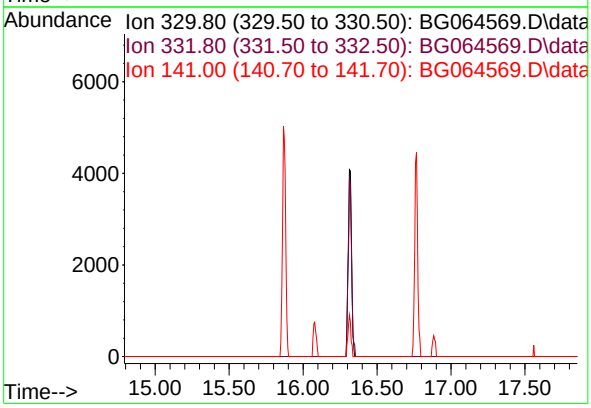


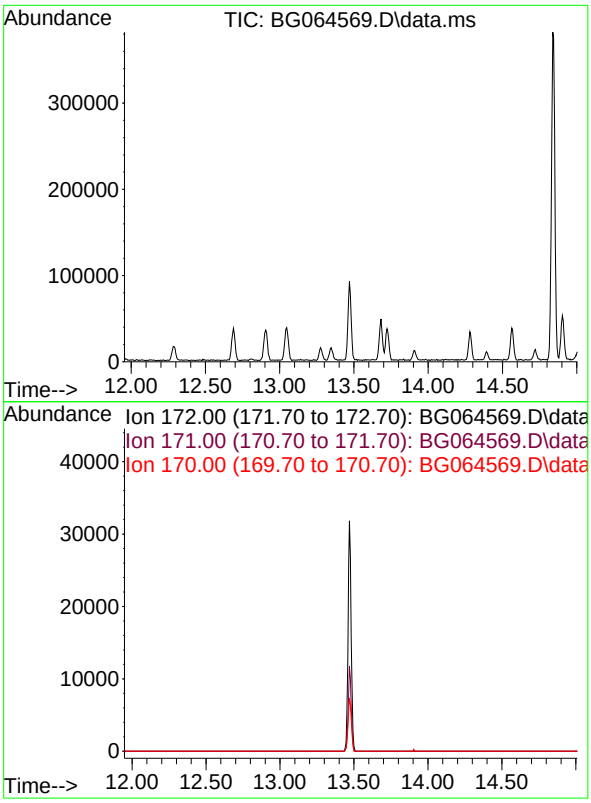
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 16.32 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.5
141	27.2





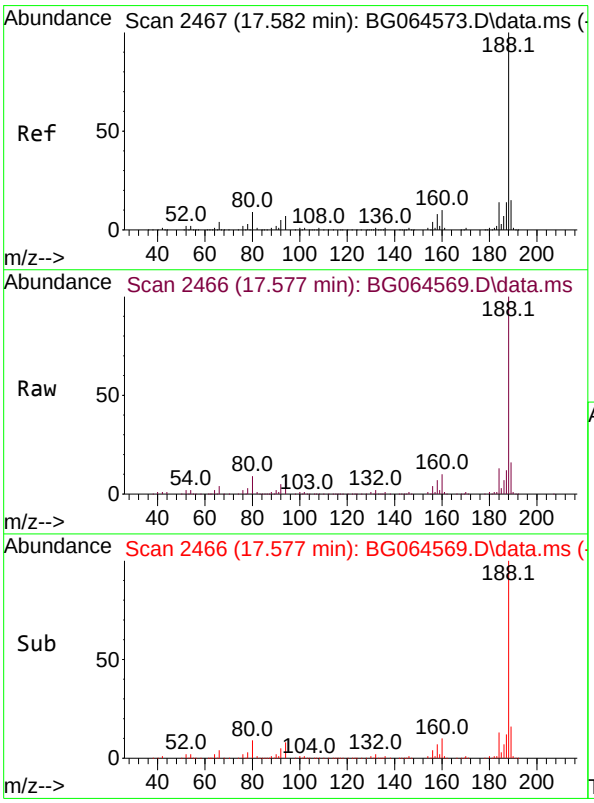
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.48 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

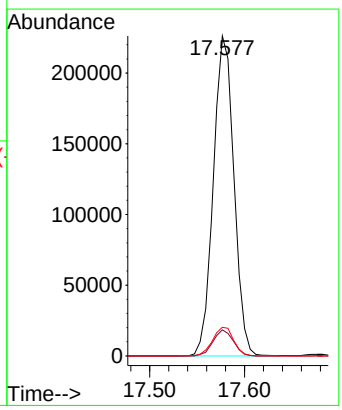
Sig	Exp Ratio
172	100
171	36.7
170	23.9

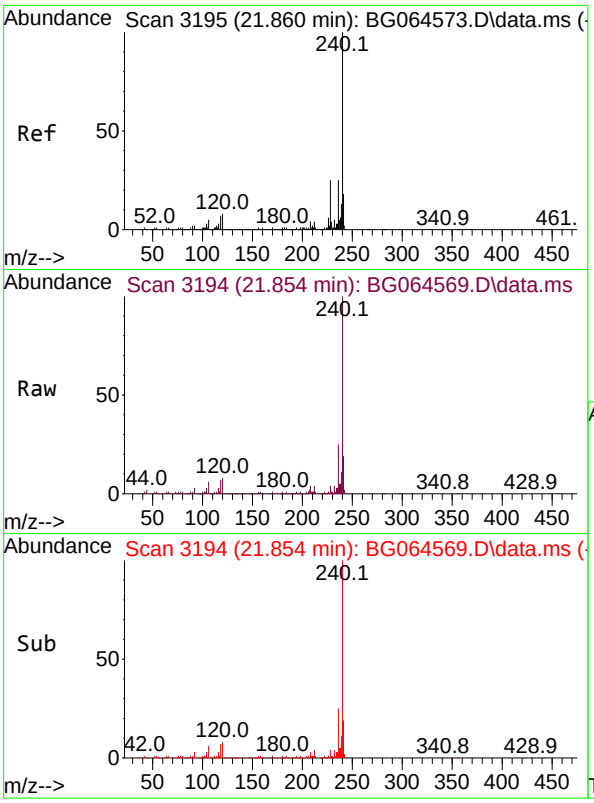


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion:188 Resp: 341404

Ion	Ratio	Lower	Upper
188	100		
94	8.1	5.7	8.5
80	8.9	6.8	10.2



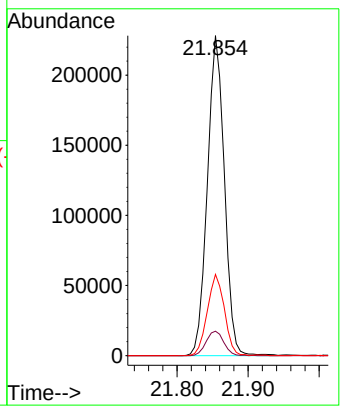


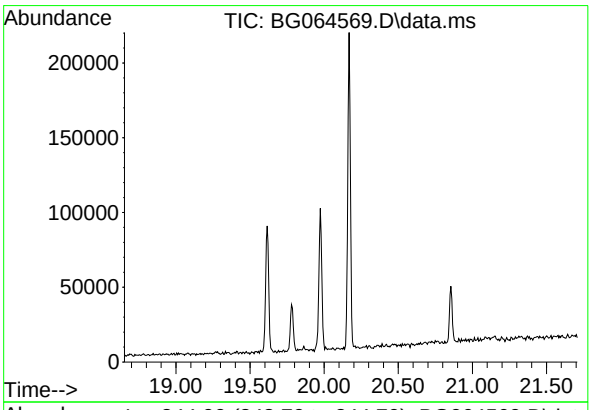
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 378586

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	25.4	20.2	30.2



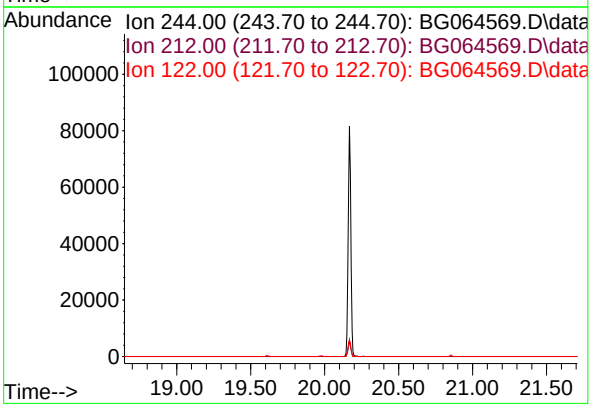


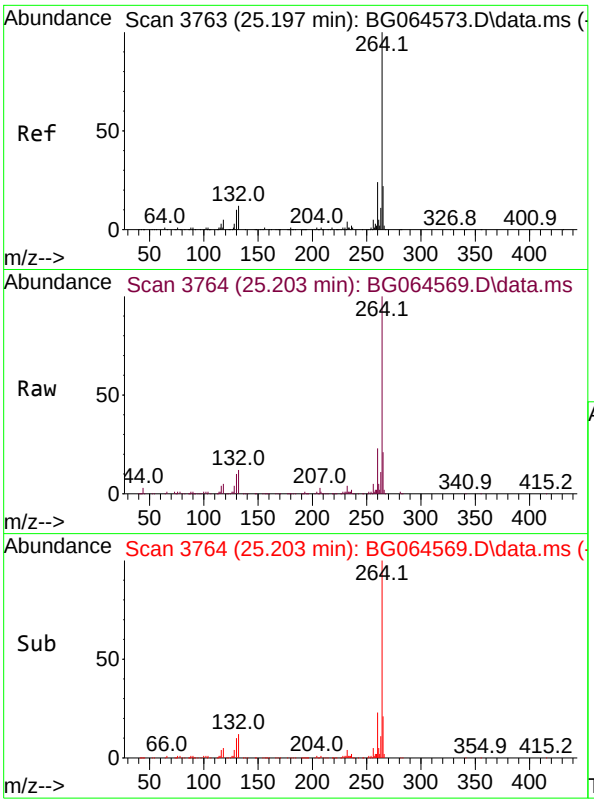
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 20.18 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.6
122	7.0



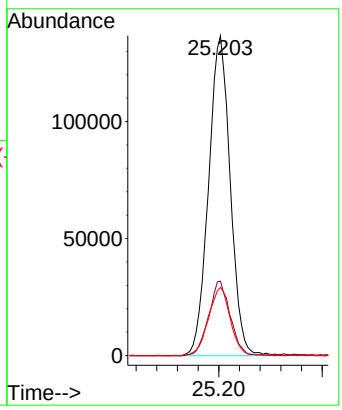


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.203 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 398350

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	21.3	17.6	26.4



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064570.D
Acq On : 24 Oct 2025 9:41
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 24 17:10:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/27/2025
Supervised By :Jagrut Upadhyay
10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.219	152	40837	20.000	ng		0.00
21) Naphthalene-d8	11.045	136	168287	20.000	ng	#	0.00
39) Acenaphthene-d10	14.840	164	131387	20.000	ng		0.00
64) Phenanthrene-d10	17.578	188	331372	20.000	ng		0.00
76) Chrysene-d12	21.856	240	381389	20.000	ng		0.00
86) Perylene-d12	25.199	264	401350	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.745	112	22421	9.216	ng		0.00
7) Phenol-d6	7.349	99	30003	8.987	ng		0.00
23) Nitrobenzene-d5	9.382	82	20097	7.173	ng		0.00
42) 2,4,6-Tribromophenol	16.315	330	14514	7.654	ng		0.00
45) 2-Fluorobiphenyl	13.471	172	86089	9.932	ng		0.00
79) Terphenyl-d14	20.169	244	204719	10.130	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.589	88	5823	5.406	ng		95
3) Pyridine	4.000	79	16637	5.143	ng		89
6) Aniline	7.525	93	22494	4.952	ng		98
8) 2-Chlorophenol	7.778	128	10732	4.214	ng		96
10) Phenol	7.373	94	16995	4.603	ng		96
11) bis(2-Chloroethyl)ether	7.525	93	22494	4.952	ng		96
12) 1,3-Dichlorobenzene	8.113	146	14650	4.998	ng		93
13) 1,4-Dichlorobenzene	8.260	146	14611m	4.903	ng		
14) 1,2-Dichlorobenzene	8.583	146	13994	4.868	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.736	45	34925	4.905	ng		97
17) 2-Methylphenol	8.442	107	5591	4.063	ng		92
18) Hexachloroethane	9.329	117	4773	4.564	ng		97
19) n-Nitroso-di-n-propyla...	9.024	70	10596	4.592	ng		92
22) Acetophenone	9.035	105	22505	4.892	ng	#	92
24) Nitrobenzene	9.423	77	11526	3.782	ng	#	95
25) Isophorone	9.946	82	31609	4.701	ng	#	93
26) 2-Nitrophenol	10.140	139	3186	5.664	ng		99
27) 2,4-Dimethylphenol	10.193	122	9925	3.891	ng		92
28) bis(2-Chloroethoxy)met...	10.434	93	18999	4.963	ng		95
29) 2,4-Dichlorophenol	10.680	162	10223	3.798	ng		89
30) 1,2,4-Trichlorobenzene	10.904	180	14238	4.656	ng		97
31) Naphthalene	11.098	128	45559	4.883	ng		98
33) 4-Chloroaniline	11.186	127	16429	4.530	ng		93
34) Hexachlorobutadiene	11.391	225	11212	4.688	ng		95
36) 4-Chloro-3-methylphenol	12.290	107	13604	4.205	ng		94
37) 2-Methylnaphthalene	12.690	142	32129	4.690	ng		97
38) 1-Methylnaphthalene	12.901	142	33515m	4.972	ng		
40) 1,2,4,5-Tetrachloroben...	13.048	216	21576	4.893	ng		99
43) 2,4,6-Trichlorophenol	13.277	196	9650	3.826	ng		93
44) 2,4,5-Trichlorophenol	13.342	196	11151	3.831	ng	#	91
46) 1,1'-Biphenyl	13.683	154	47840	5.122	ng		95
47) 2-Chloronaphthalene	13.724	162	34977	4.961	ng		96
48) 2-Nitroaniline	13.906	65	6601	5.826	ng		87
49) Acenaphthylene	14.564	152	54748	4.923	ng		98
50) Dimethylphthalate	14.282	163	45639	4.540	ng		98
51) 2,6-Dinitrotoluene	14.394	165	4161	5.535	ng	#	91

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064570.D
Acq On : 24 Oct 2025 9:41
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 24 17:10:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/27/2025
Supervised By :Jagrut Upadhyay
10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	14.905	154	36982	4.867	ng		96
53) 3-Nitroaniline	14.717	138	5903	3.417	ng	#	96
55) Dibenzofuran	15.234	168	61779	5.029	ng		97
57) 2,4-Dinitrotoluene	15.175	165	7312	5.721	ng	#	80
58) Fluorene	15.880	166	48305	5.035	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.451	232	10241	3.679	ng	#	95
60) Diethylphthalate	15.639	149	46534	4.533	ng		98
61) 4-Chlorophenyl-phenyle...	15.874	204	26270	4.880	ng		97
62) 4-Nitroaniline	15.869	138	6383	3.321	ng		90
63) Azobenzene	16.162	77	44729	4.749	ng		98
66) n-Nitrosodiphenylamine	16.080	169	42291	4.725	ng		98
67) 4-Bromophenyl-phenylether	16.762	248	18064	4.600	ng		95
68) Hexachlorobenzene	16.885	284	21076	4.705	ng		95
69) Atrazine	17.014	200	17783	4.616	ng		94
71) Phenanthrene	17.619	178	89771	4.954	ng		99
72) Anthracene	17.713	178	90063	4.886	ng		99
73) Carbazole	17.966	167	81350	5.005	ng		98
74) Di-n-butylphthalate	18.530	149	83713	4.454	ng		99
75) Fluoranthene	19.617	202	114724	5.054	ng		98
78) Pyrene	19.975	202	122676	4.923	ng		98
80) Butylbenzylphthalate	20.857	149	27072	3.595	ng		94
81) Benzo(a)anthracene	21.832	228	123345	4.878	ng		98
83) Chrysene	21.903	228	119080	4.949	ng		97
84) Bis(2-ethylhexyl)phtha...	21.750	149	46117	4.098	ng		98
87) Indeno(1,2,3-cd)pyrene	29.030	276	138758	4.700	ng	#	88
88) Benzo(b)fluoranthene	24.129	252	114203	4.640	ng		98
89) Benzo(k)fluoranthene	24.200	252	117893	4.787	ng		99
90) Benzo(a)pyrene	25.040	252	106414	4.704	ng		99
91) Dibenzo(a,h)anthracene	29.100	278	112398	4.686	ng		96
92) Benzo(g,h,i)perylene	29.030	276	138758	4.700	ng		96

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064570.D
Acq On : 24 Oct 2025 9:41
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 24 17:10:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

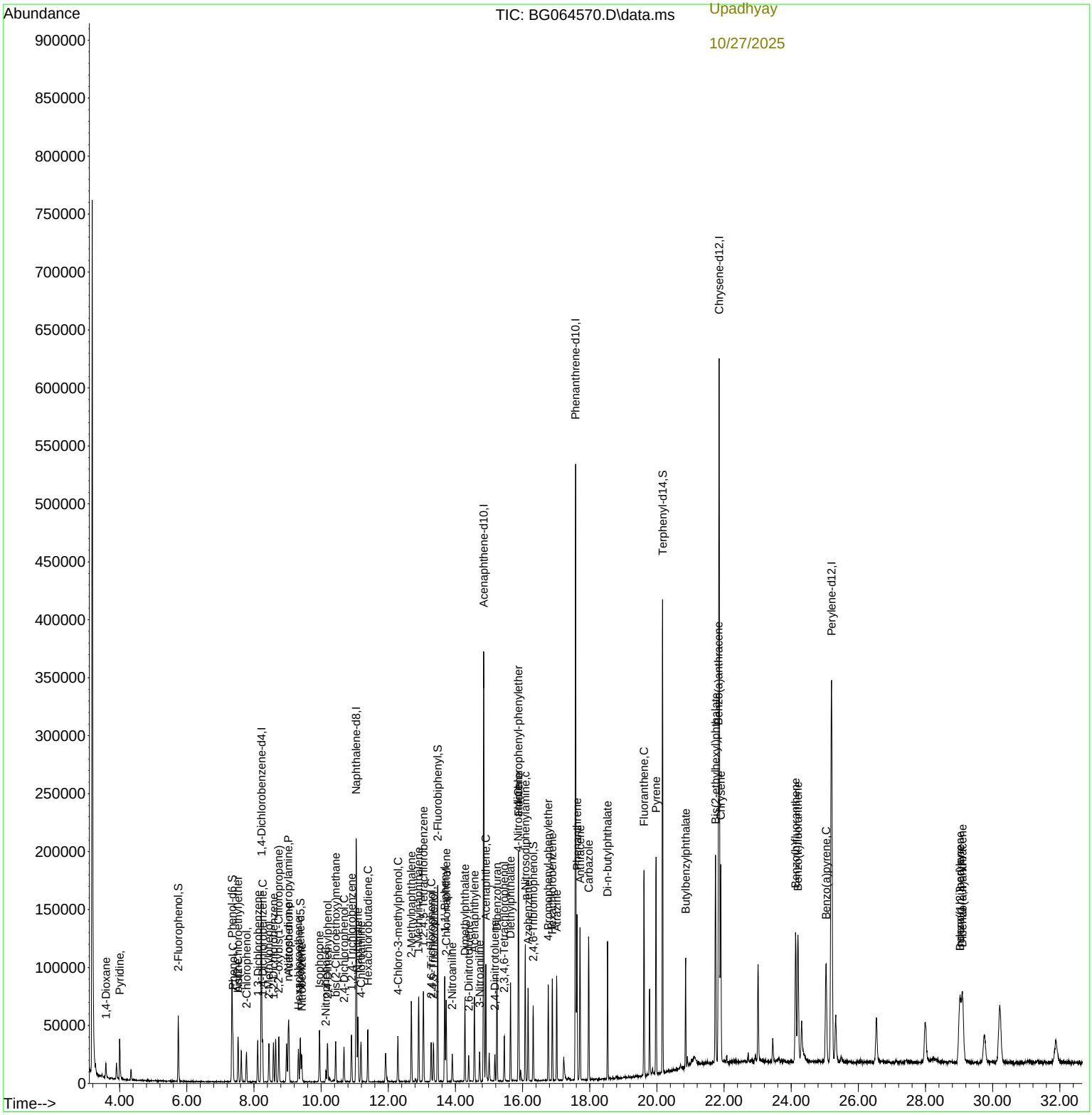
Manual Integrations APPROVED

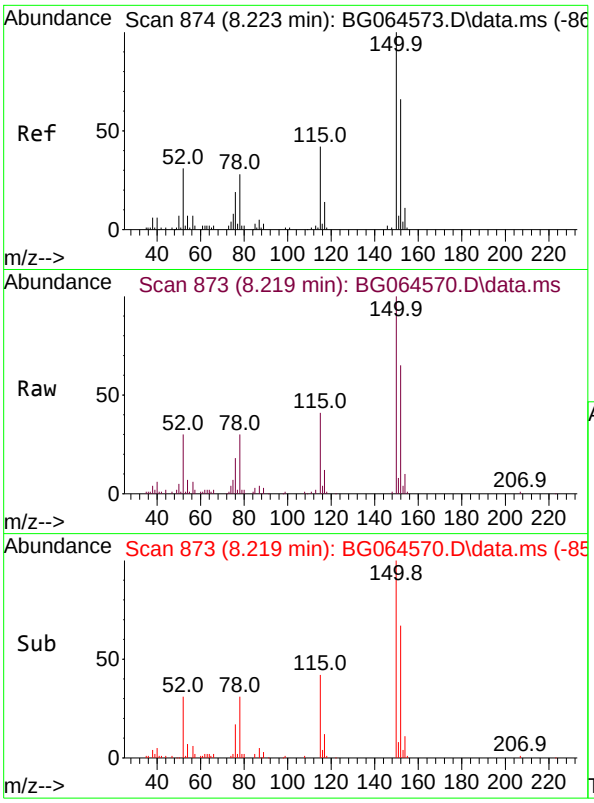
Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

10/27/2025

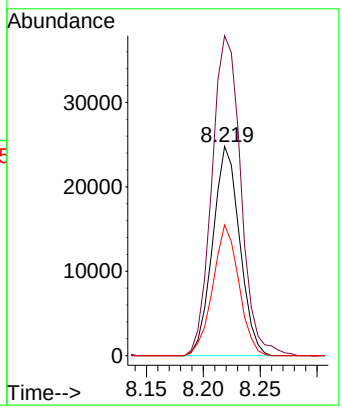




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:152 Resp: 4083

Ion	Ratio	Lower	Upper
152	100		
150	153.0	122.2	183.4
115	62.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
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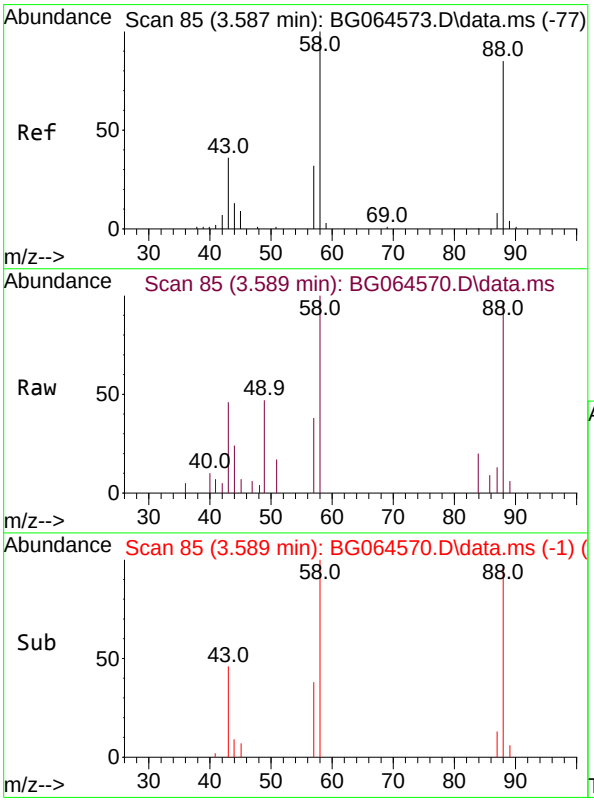
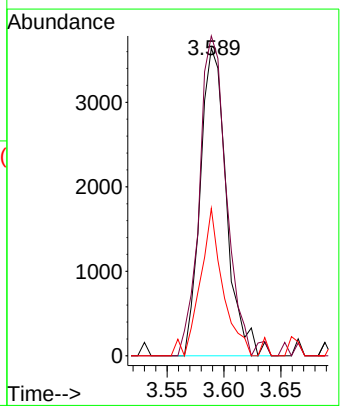
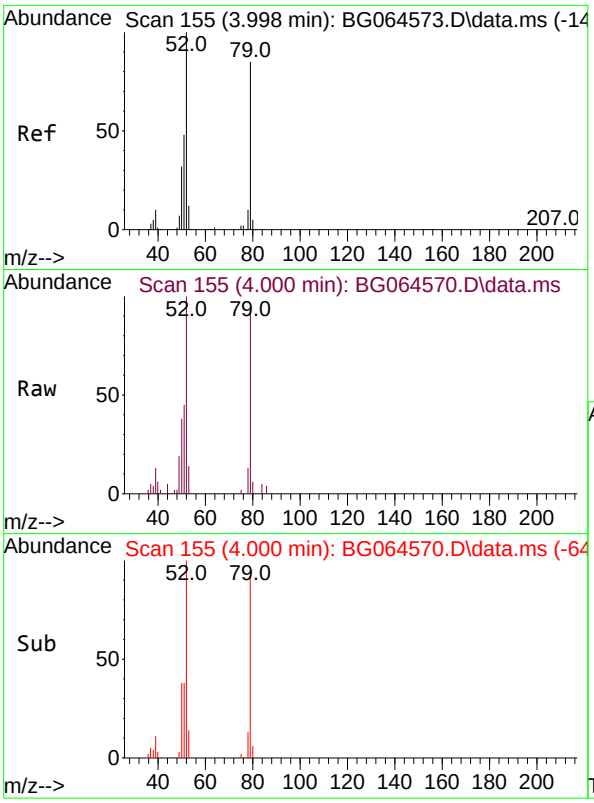


#2
1,4-Dioxane
Concen: 5.406 ng
RT: 3.589 min Scan# 85
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 88 Resp: 5823

Ion	Ratio	Lower	Upper
88	100		
58	108.0	92.4	138.6
43	41.6	33.0	49.6

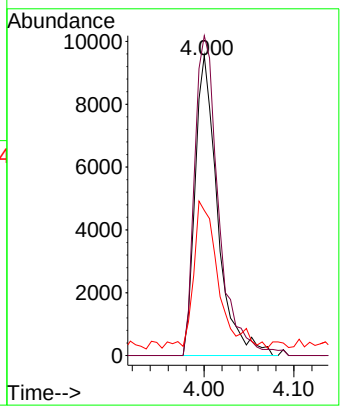




#3
Pyridine
Concen: 5.143 ng
RT: 4.000 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 79 Resp: 1663

Ion	Ratio	Lower	Upper
79	100		
52	106.6	94.2	141.2
51	48.4	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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Supervised By :Jagrut Upadhyay

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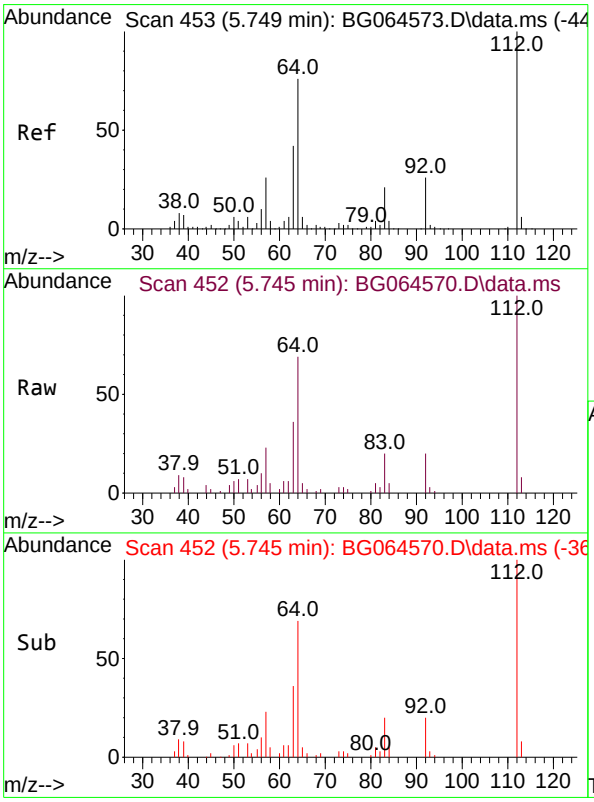
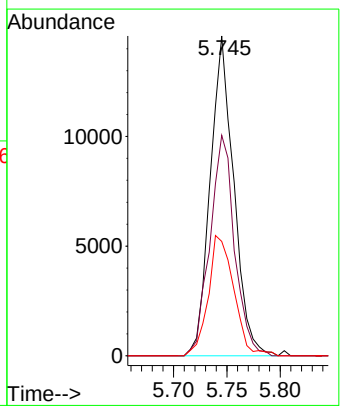
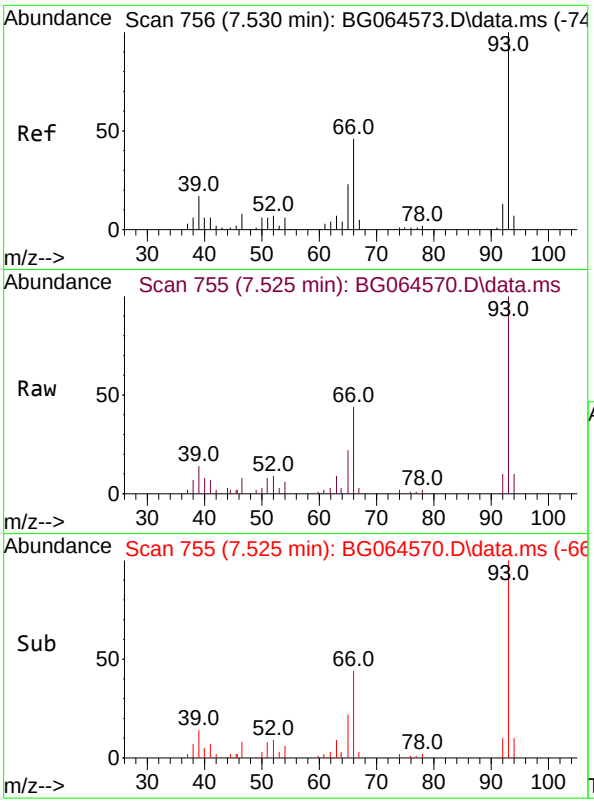


#5
2-Fluorophenol
Concen: 9.216 ng
RT: 5.745 min Scan# 452
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:112 Resp: 22421

Ion	Ratio	Lower	Upper
112	100		
64	68.9	60.7	91.1
63	35.8	33.4	50.0

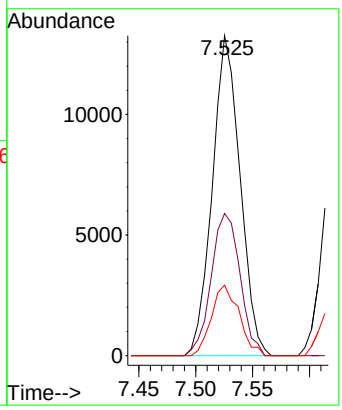




#6
Aniline
Concen: 4.952 ng
RT: 7.525 min Scan# 7
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 2249

Ion	Ratio	Lower	Upper
93	100		
66	44.4	37.0	55.6
65	22.0	18.3	27.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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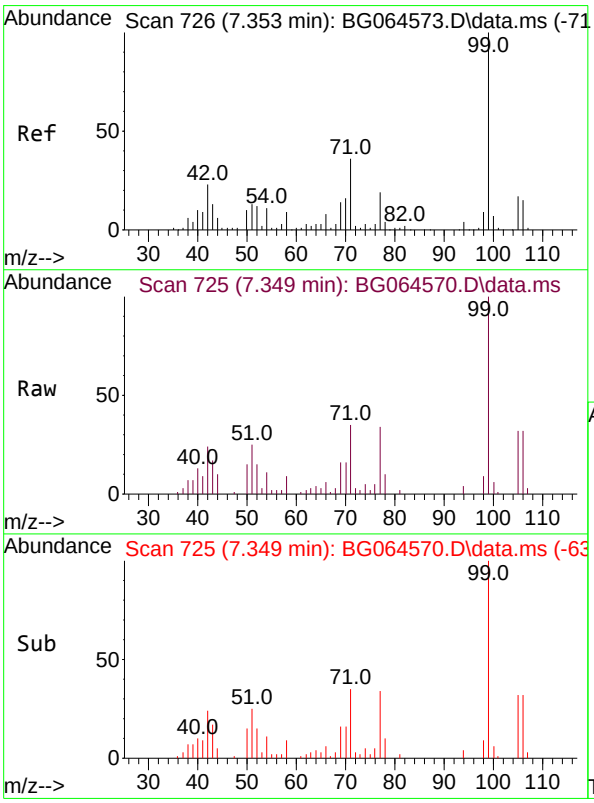
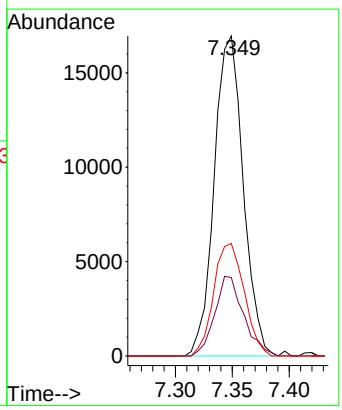
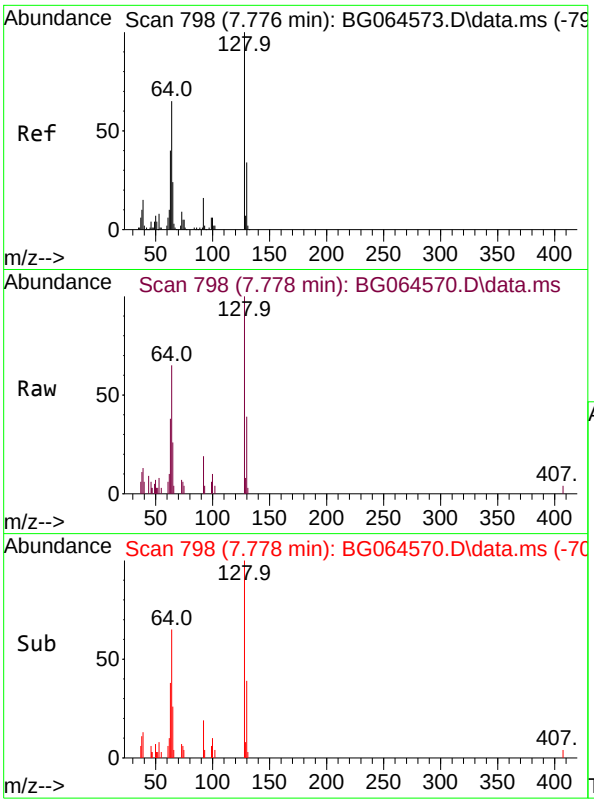


#7
Phenol-d6
Concen: 8.987 ng
RT: 7.349 min Scan# 725
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 99 Resp: 30003

Ion	Ratio	Lower	Upper
99	100		
42	24.5	18.3	27.5
71	35.1	28.6	43.0

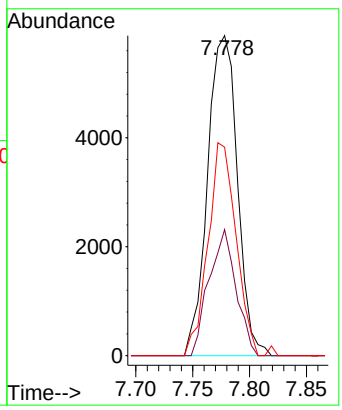




#8
2-Chlorophenol
Concen: 4.214 ng
RT: 7.778 min Scan# 79
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:128 Resp: 1073

Ion	Ratio	Lower	Upper
128	100		
130	39.4	13.5	53.5
64	65.2	45.2	85.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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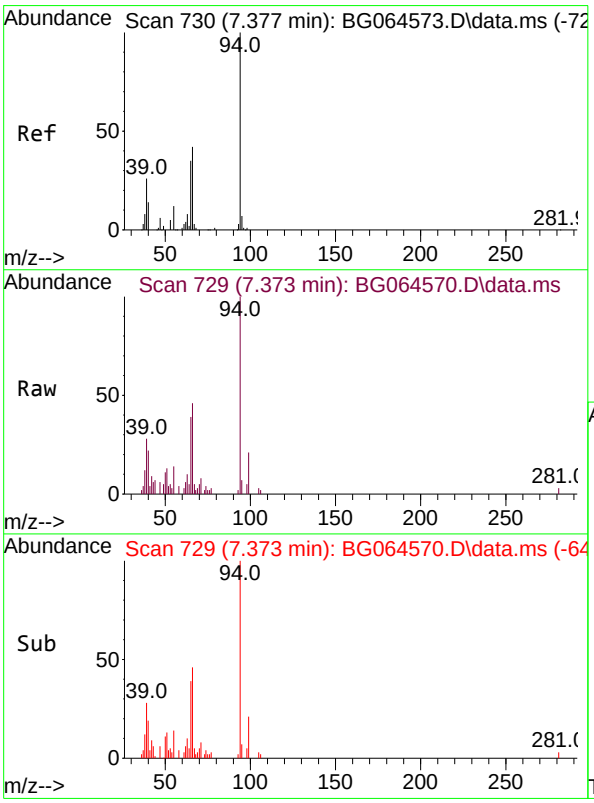
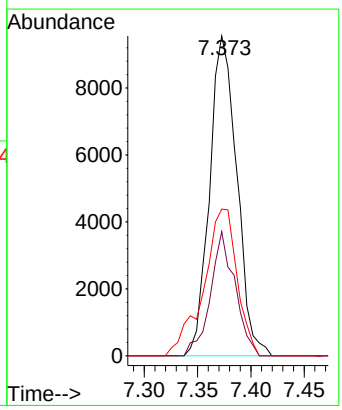
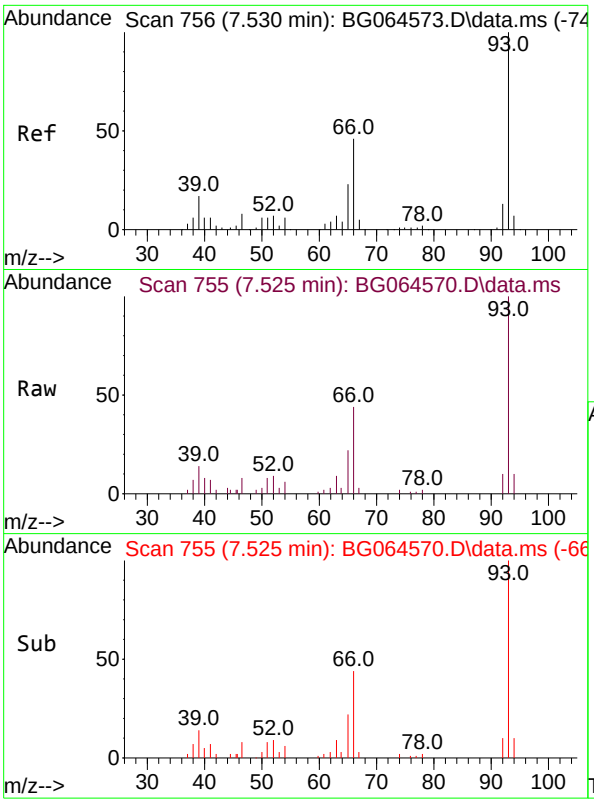


#10
Phenol
Concen: 4.603 ng
RT: 7.373 min Scan# 729
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 94 Resp: 16995

Ion	Ratio	Lower	Upper
94	100		
65	38.8	15.8	55.8
66	45.9	24.0	64.0

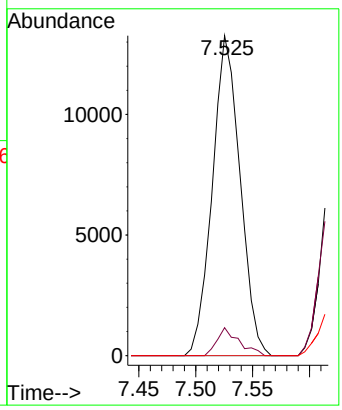




#11
bis(2-Chloroethyl)ether
Concen: 4.952 ng
RT: 7.525 min Scan# 7
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 2249

Ion	Ratio	Lower	Upper
93	100		
63	8.7	0.0	27.4
95	0.0	0.0	20.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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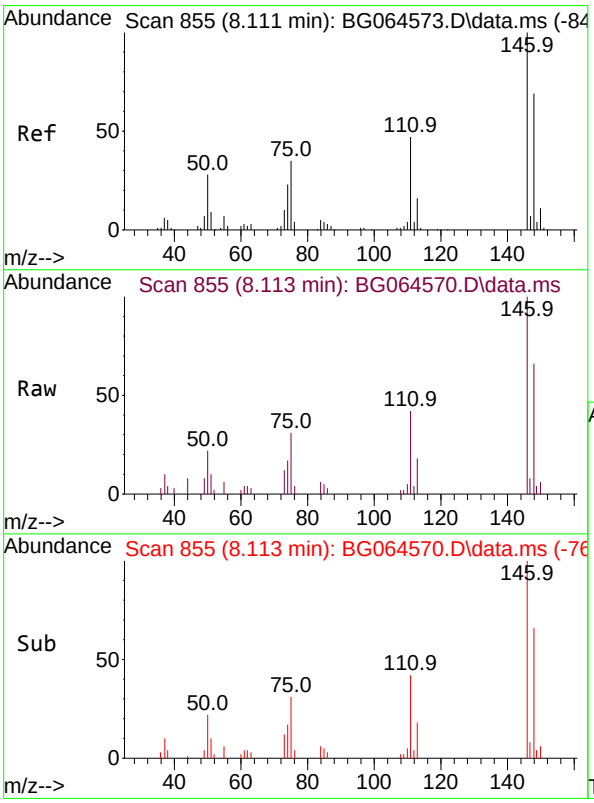
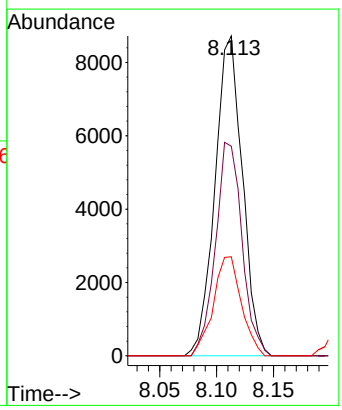
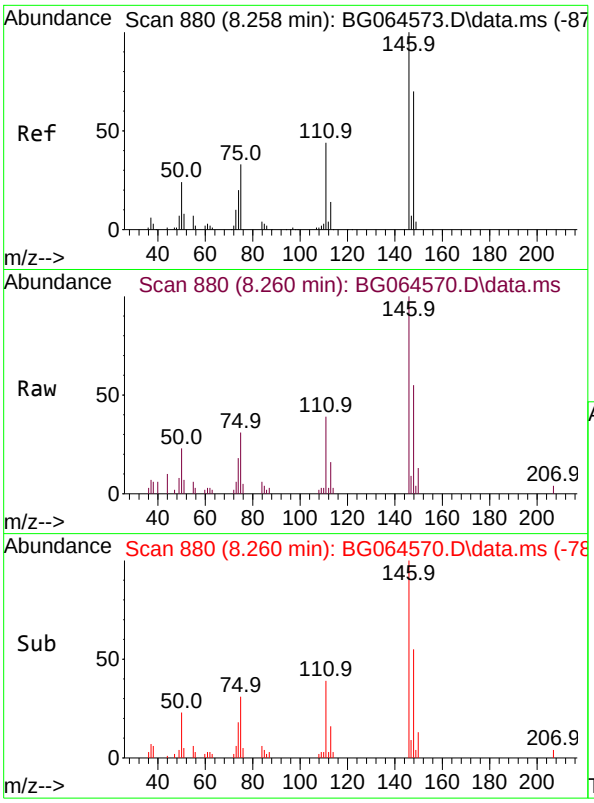


#12
1,3-Dichlorobenzene
Concen: 4.998 ng
RT: 8.113 min Scan# 855
Delta R.T. 0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:146 Resp: 14650

Ion	Ratio	Lower	Upper
146	100		
148	64.6	55.3	82.9
75	28.7	28.2	42.2

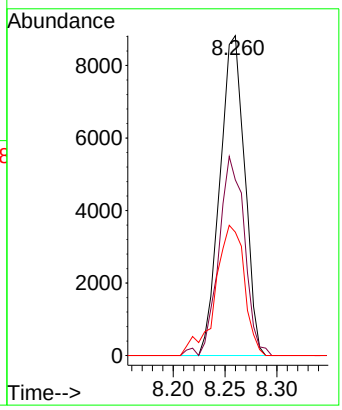




#13
1,4-Dichlorobenzene
Concen: 4.903 ng m
RT: 8.260 min Scan# 88
Delta R.T. 0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:146 Resp: 1461

Ion	Ratio	Lower	Upper
146	100		
148	54.9	56.2	84.4#
111	38.6	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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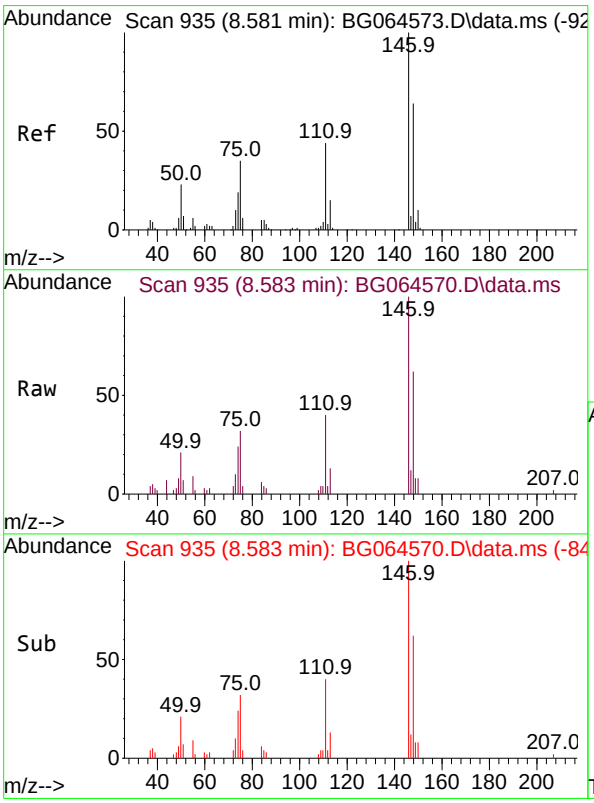
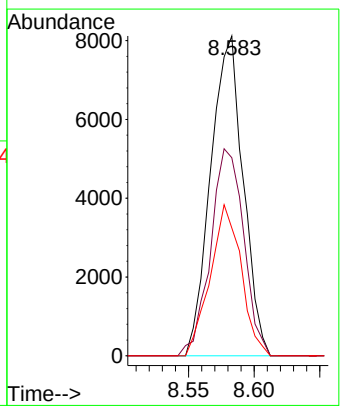
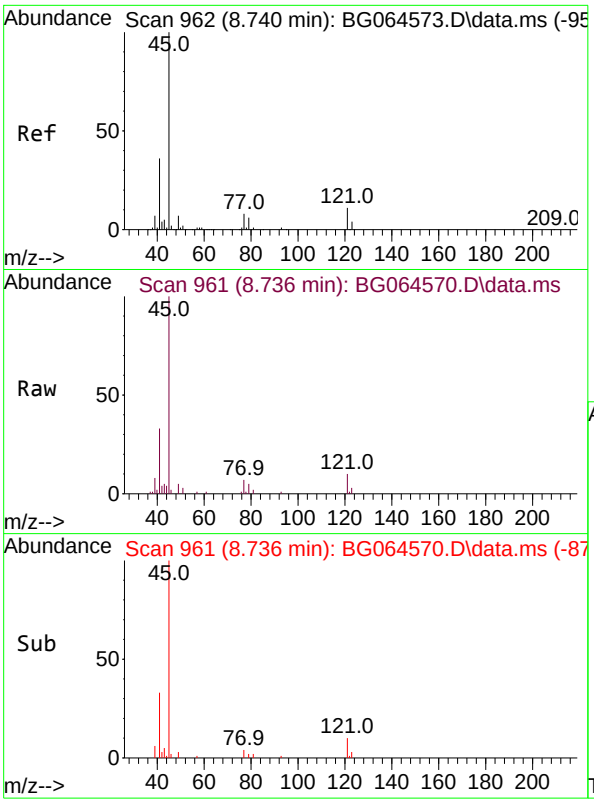


#14
1,2-Dichlorobenzene
Concen: 4.868 ng
RT: 8.583 min Scan# 935
Delta R.T. 0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:146 Resp: 13994

Ion	Ratio	Lower	Upper
146	100		
148	61.9	51.5	77.3
111	40.0	35.0	52.6

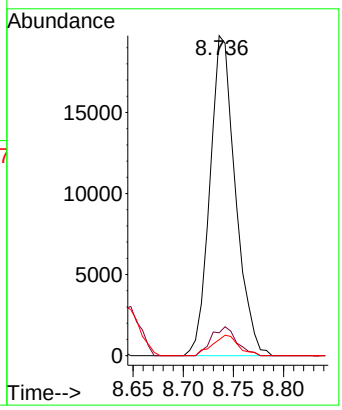




#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.905 ng
RT: 8.736 min Scan# 9
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 45 Resp: 3492

Ion	Ratio	Lower	Upper
45	100		
77	7.1	0.0	28.5
79	5.0	0.0	25.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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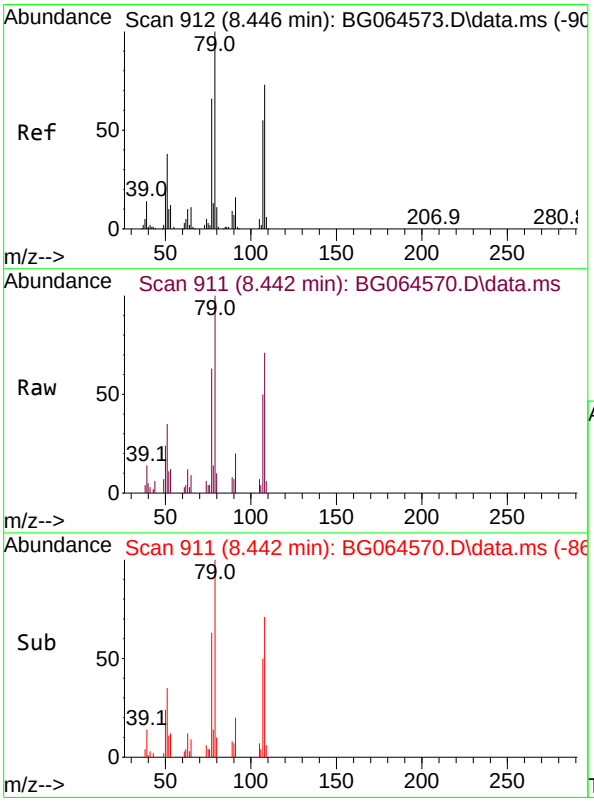
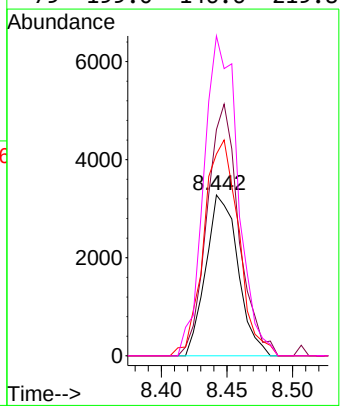
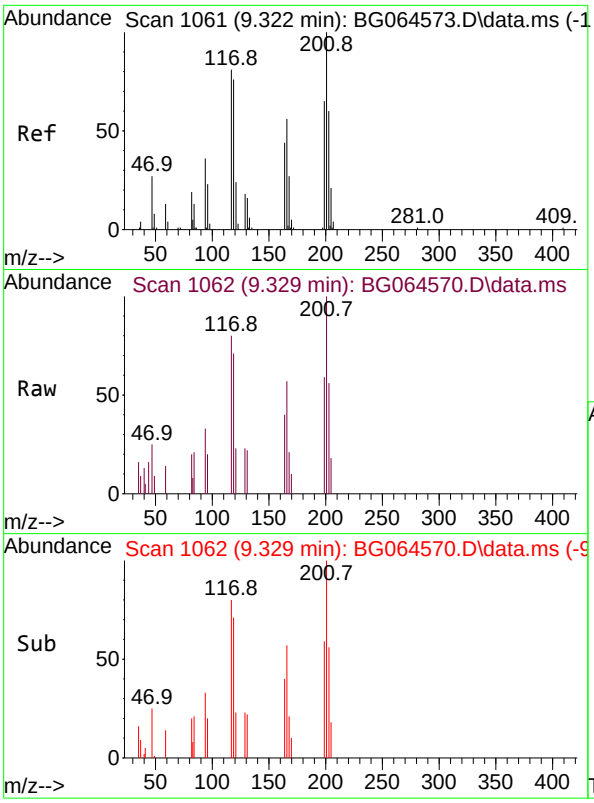


#17
2-Methylphenol
Concen: 4.063 ng
RT: 8.442 min Scan# 911
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:107 Resp: 5591

Ion	Ratio	Lower	Upper
107	100		
108	140.7	106.4	159.6
77	125.5	96.7	145.1
79	199.0	146.6	219.8

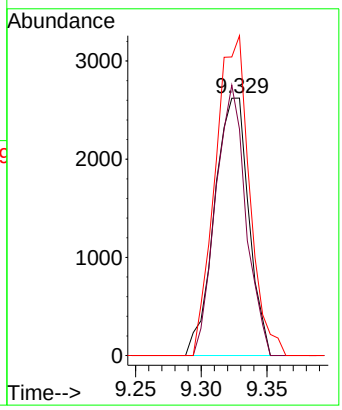




#18
Hexachloroethane
Concen: 4.564 ng
RT: 9.329 min Scan# 10
Delta R.T. 0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:117 Resp: 477

Ion	Ratio	Lower	Upper
117	100		
119	88.0	75.4	113.2
201	124.2	99.2	148.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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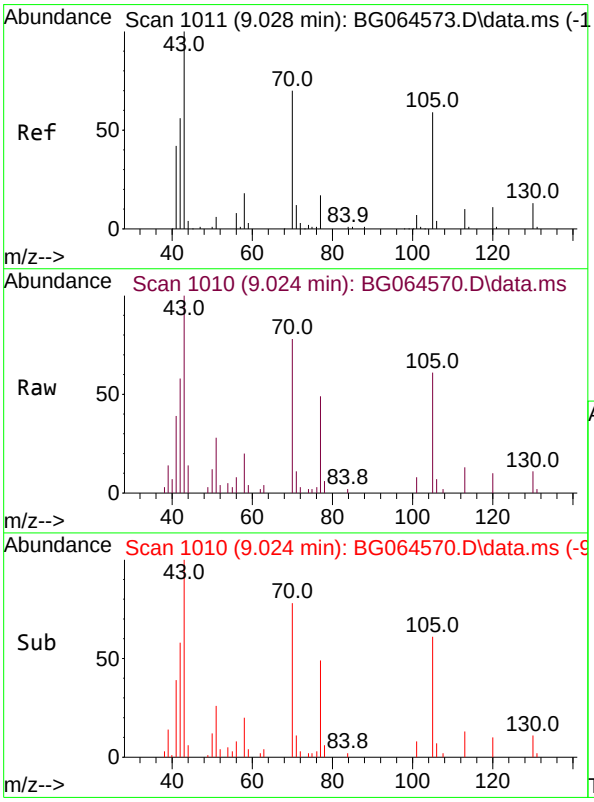
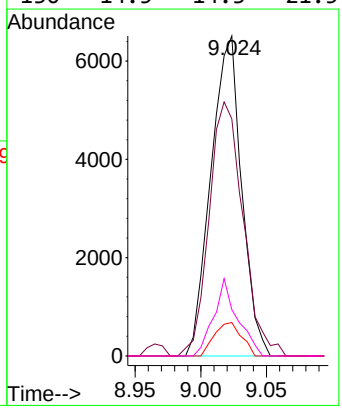
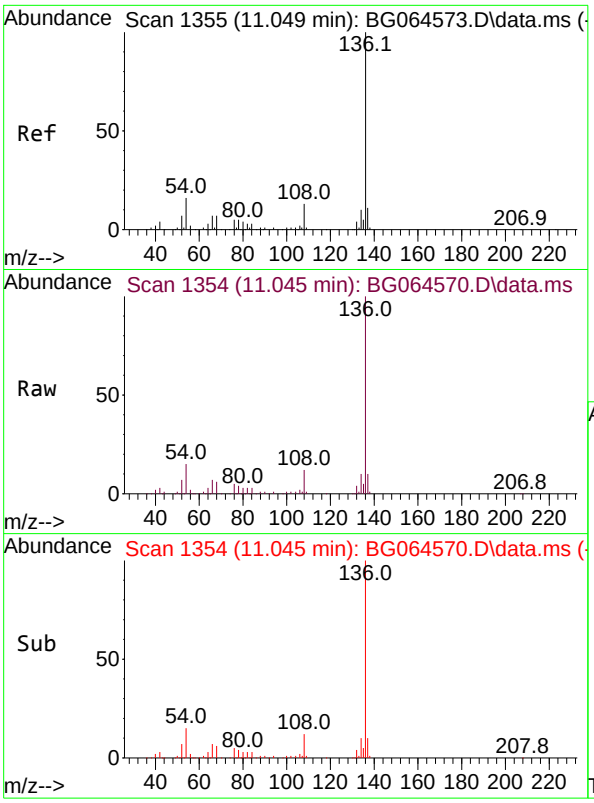


#19
n-Nitroso-di-n-propylamine
Concen: 4.592 ng
RT: 9.024 min Scan# 1010
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 70 Resp: 10596

Ion	Ratio	Lower	Upper
70	100		
42	74.1	65.2	97.8
101	10.4	7.9	11.9
130	14.5	14.3	21.5

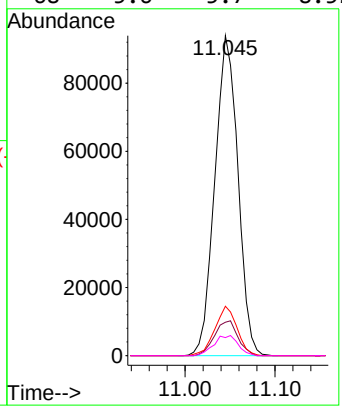




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:136 Resp: 16828

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	15.4	12.6	19.0
68	5.6	5.7	8.5#



Instrument :
BNA_G
ClientSampleId :
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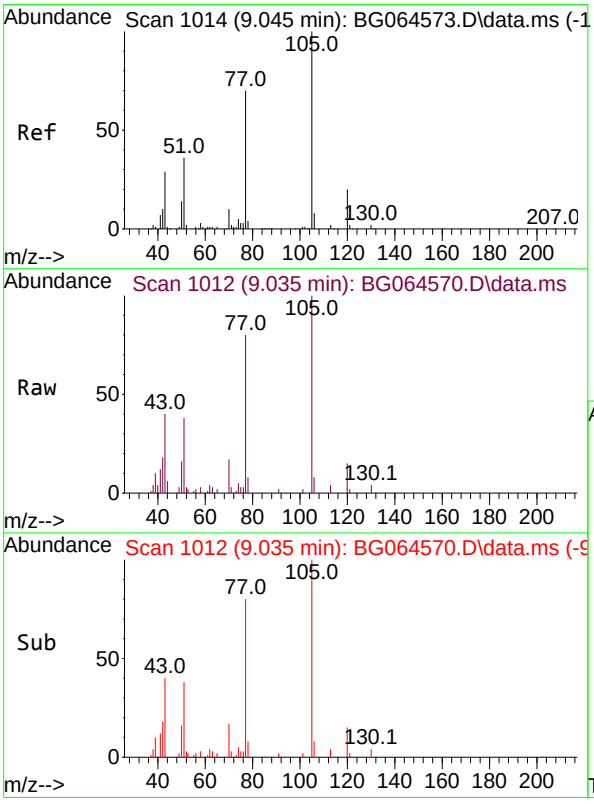
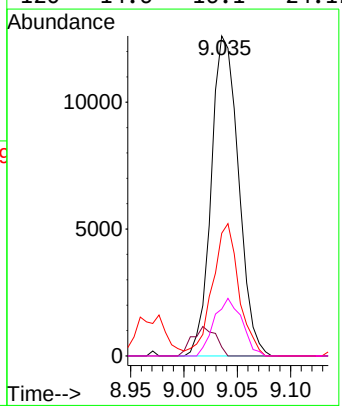
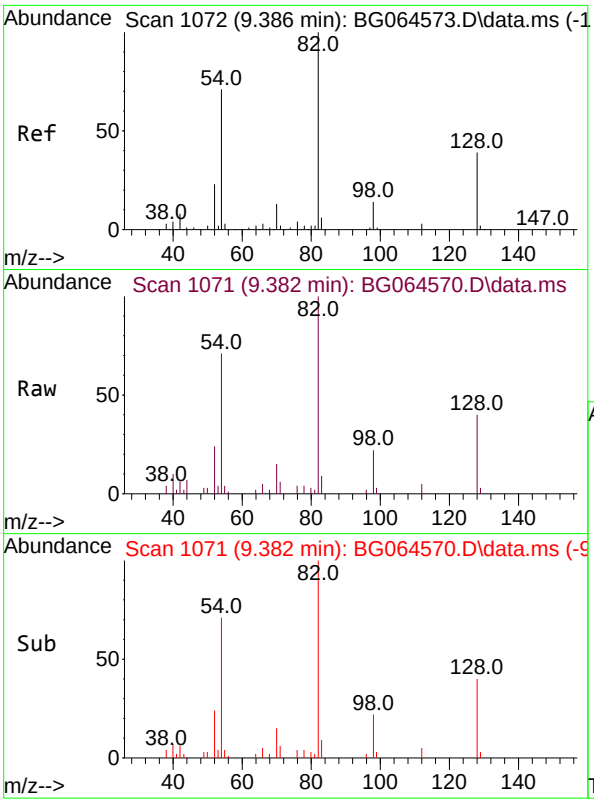


#22
Acetophenone
Concen: 4.892 ng
RT: 9.035 min Scan# 1012
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:105 Resp: 22505

Ion	Ratio	Lower	Upper
105	100		
71	2.8	1.5	2.3#
51	38.4	33.7	50.5
120	14.6	16.1	24.1#

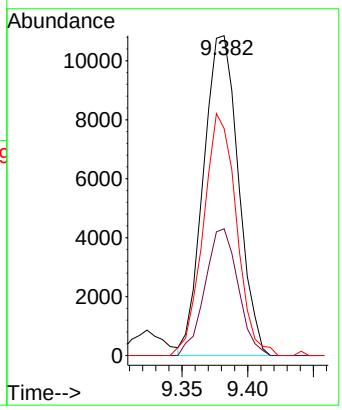




#23
Nitrobenzene-d5
Concen: 7.173 ng
RT: 9.382 min Scan# 10
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 82 Resp: 2009

Ion	Ratio	Lower	Upper
82	100		
128	39.6	31.3	46.9
54	71.0	56.6	84.8



Instrument :
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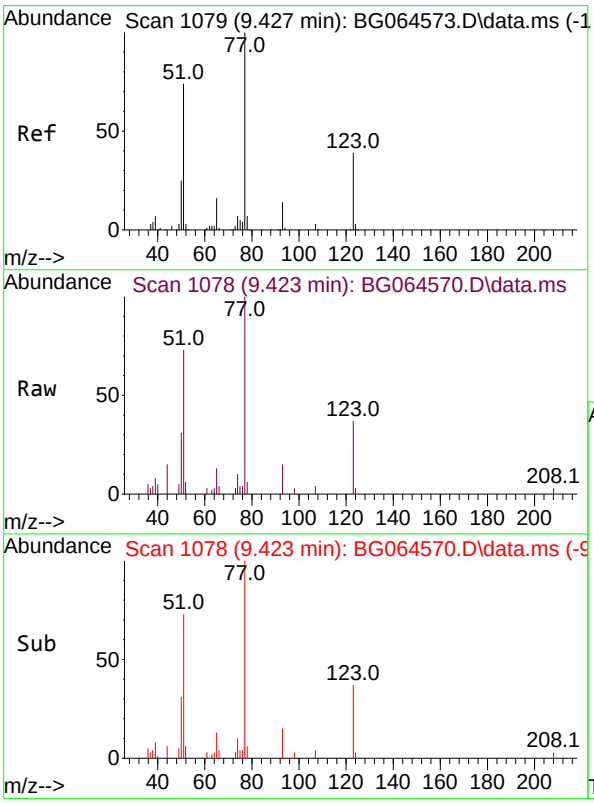
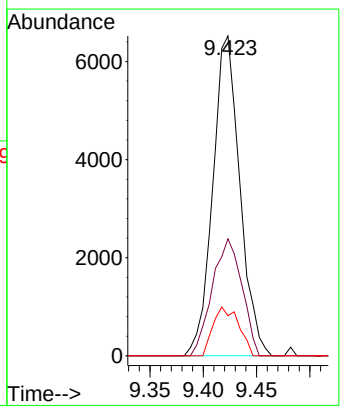
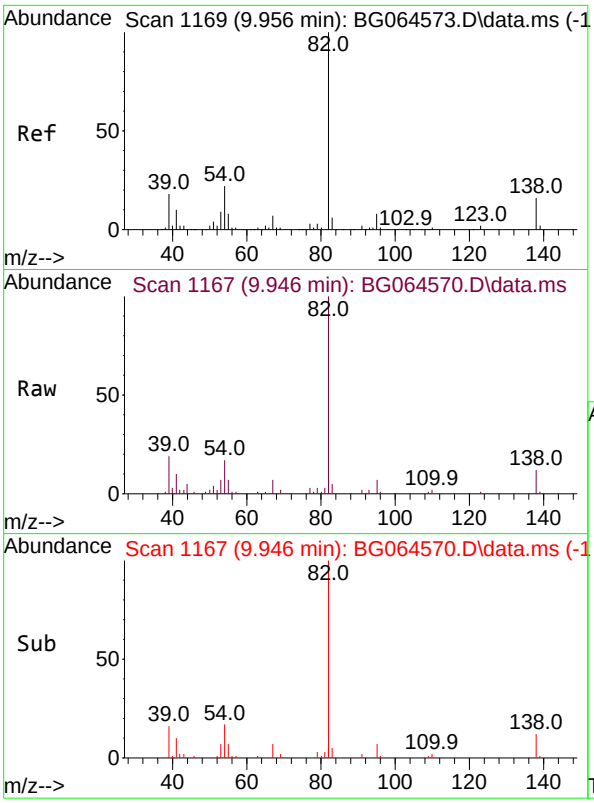


#24
Nitrobenzene
Concen: 3.782 ng
RT: 9.423 min Scan# 1078
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 77 Resp: 11526

Ion	Ratio	Lower	Upper
77	100		
123	36.6	31.0	46.6
65	12.6	12.7	19.1#

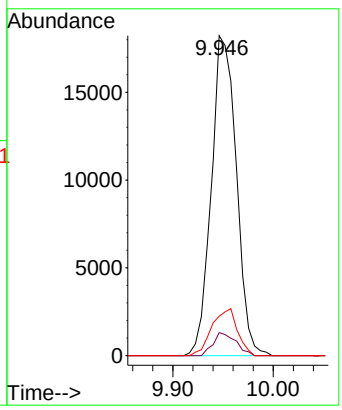




#25
Isophorone
Concen: 4.701 ng
RT: 9.946 min Scan# 11
Delta R.T. -0.020 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 82 Resp: 3160

Ion	Ratio	Lower	Upper
82	100		
95	7.2	6.1	9.1
138	12.3	13.0	19.4#



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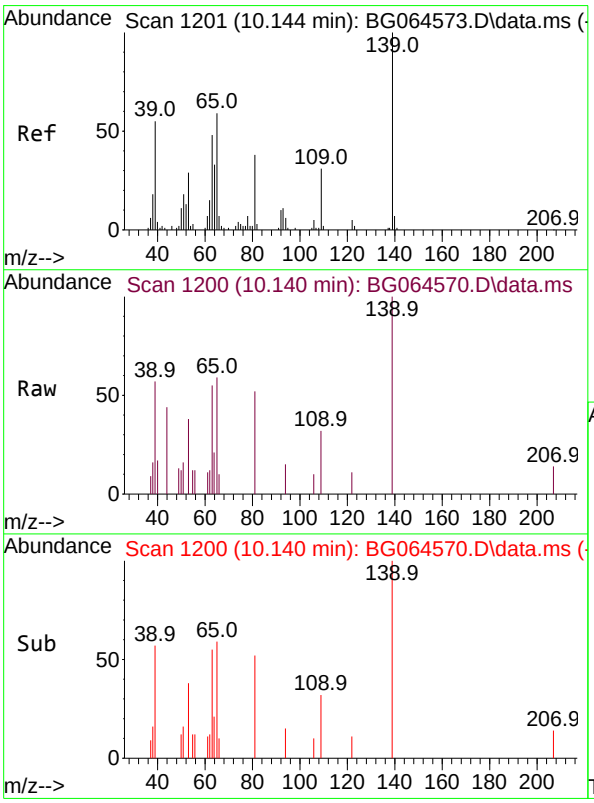
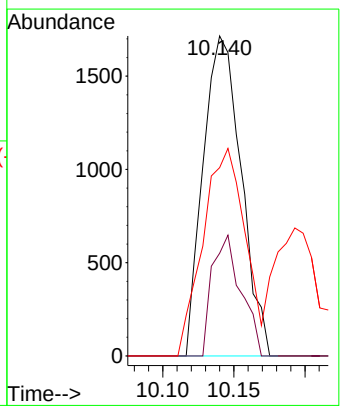
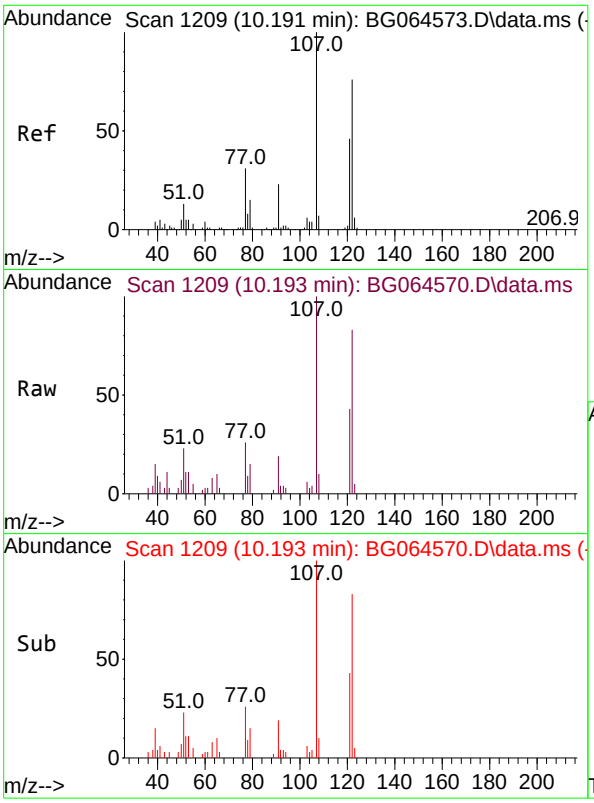


#26
2-Nitrophenol
Concen: 5.664 ng
RT: 10.140 min Scan# 1200
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:139 Resp: 3186

Ion	Ratio	Lower	Upper
139	100		
109	32.1	24.6	37.0
65	58.9	47.5	71.3

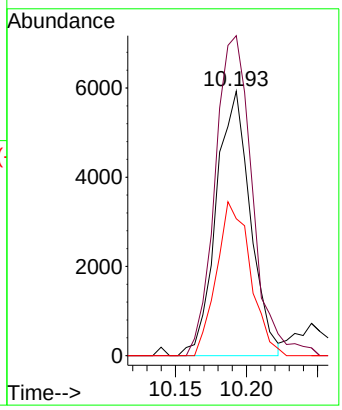




#27
2,4-Dimethylphenol
Concen: 3.891 ng
RT: 10.193 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:122 Resp: 992

Ion	Ratio	Lower	Upper
122	100		
107	121.0	103.0	154.4
121	51.7	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
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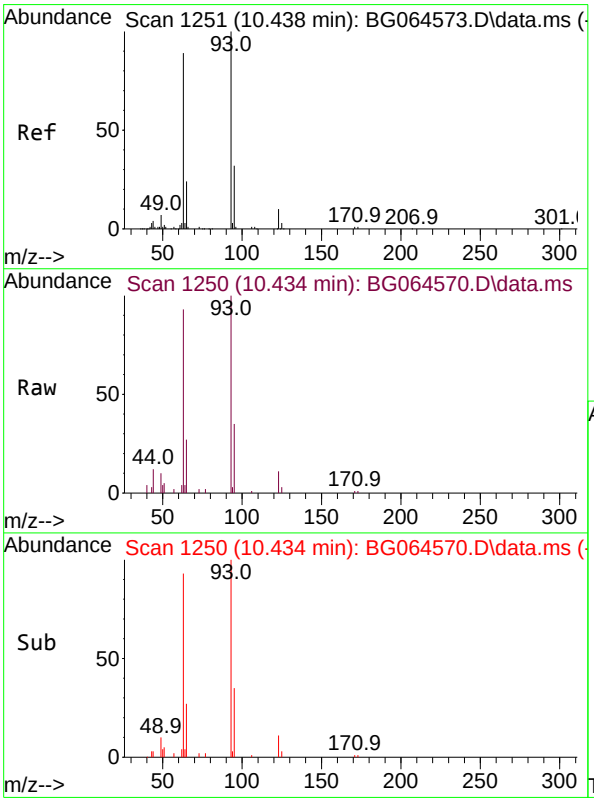
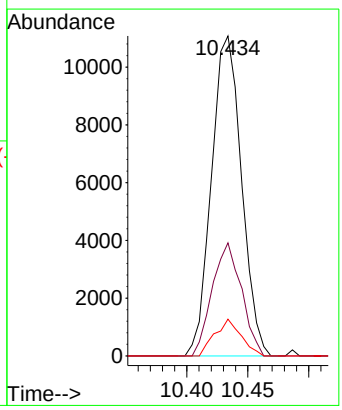
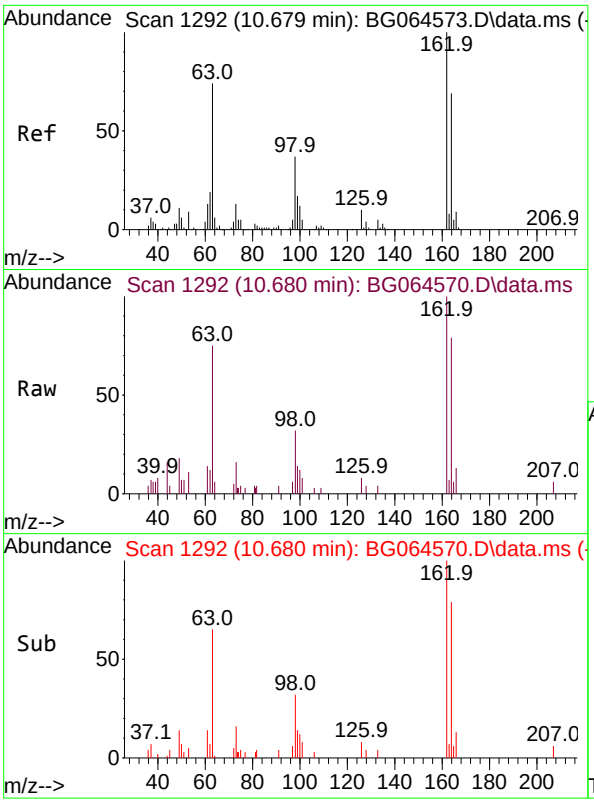


#28
bis(2-Chloroethoxy)methane
Concen: 4.963 ng
RT: 10.434 min Scan# 1250
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 18999

Ion	Ratio	Lower	Upper
93	100		
95	35.3	25.4	38.2
123	11.5	8.4	12.6

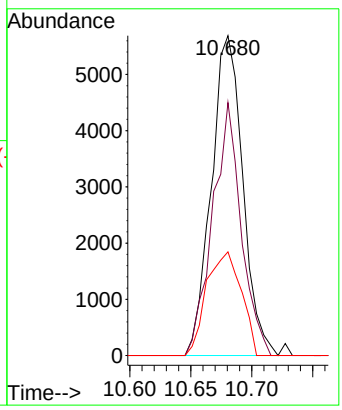




#29
2,4-Dichlorophenol
Concen: 3.798 ng
RT: 10.680 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:162 Resp: 1022

Ion	Ratio	Lower	Upper
162	100		
164	79.1	48.7	88.7
98	32.4	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
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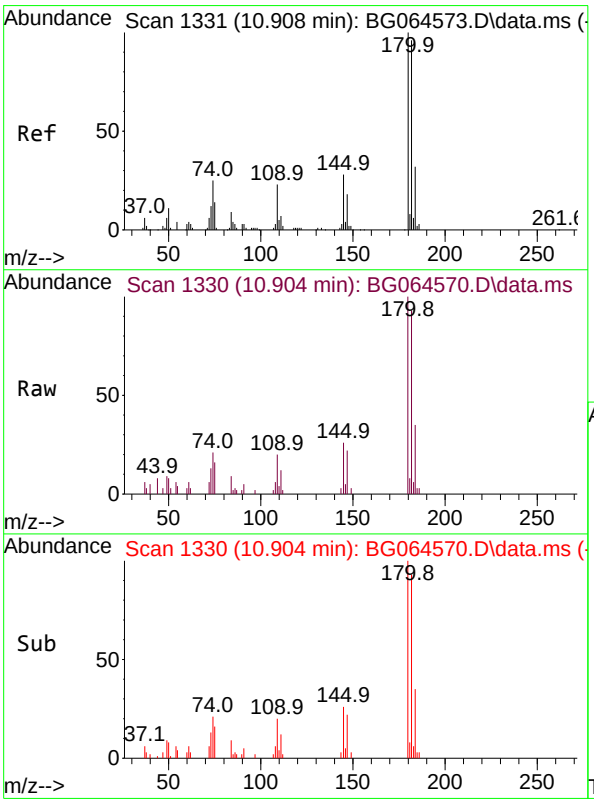
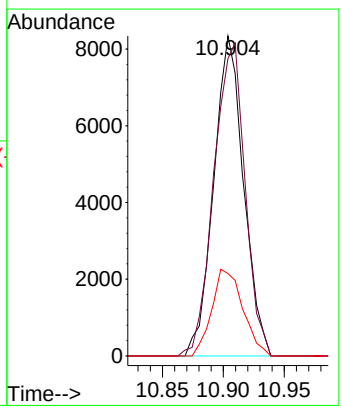
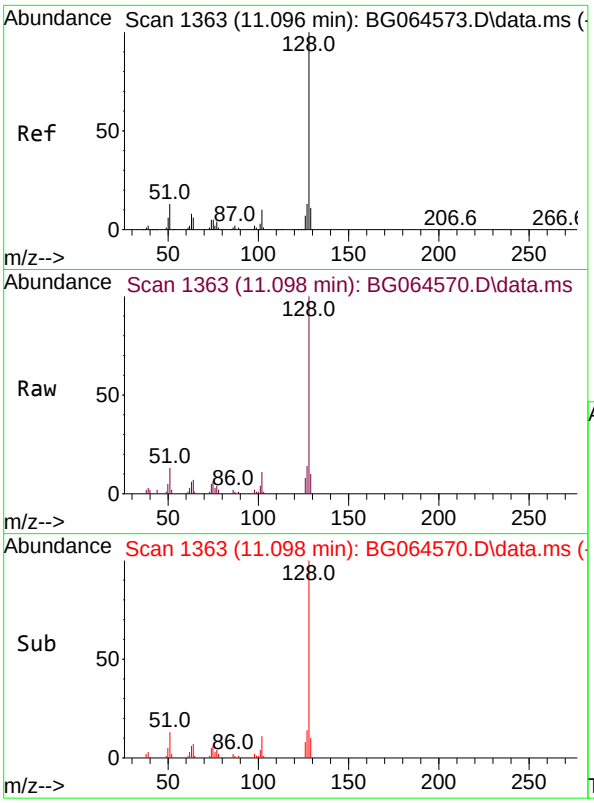


#30
1,2,4-Trichlorobenzene
Concen: 4.656 ng
RT: 10.904 min Scan# 1330
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:180 Resp: 14238

Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.9	115.3
145	25.7	22.1	33.1

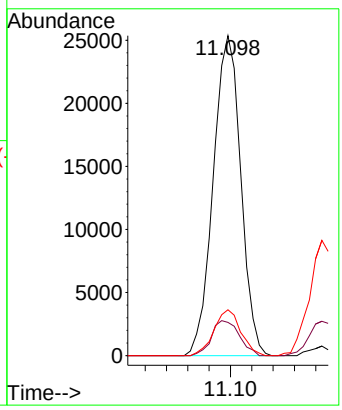




#31
Naphthalene
Concen: 4.883 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:128 Resp: 4555

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	14.3	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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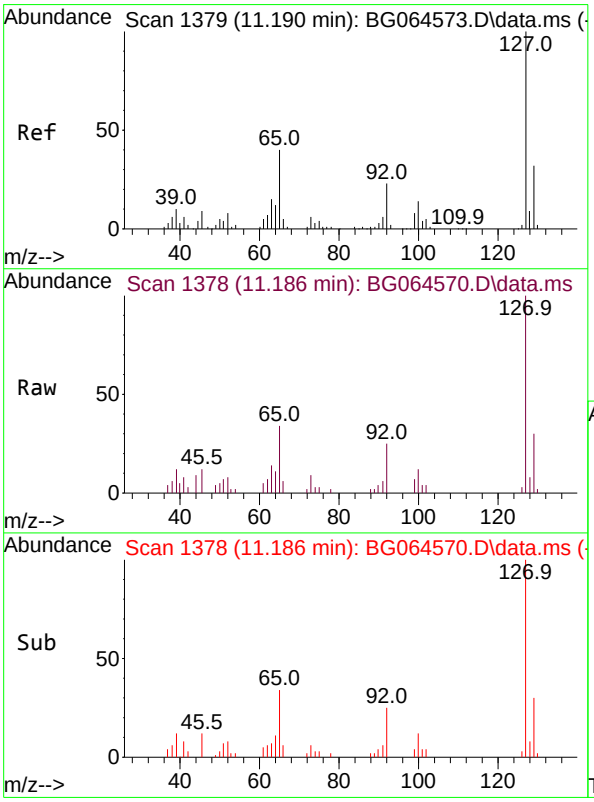
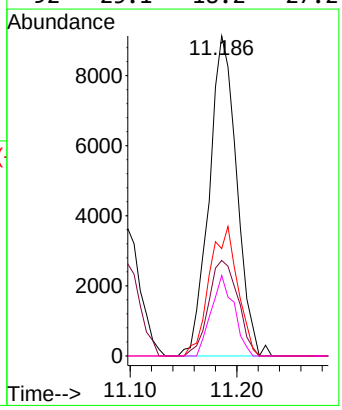
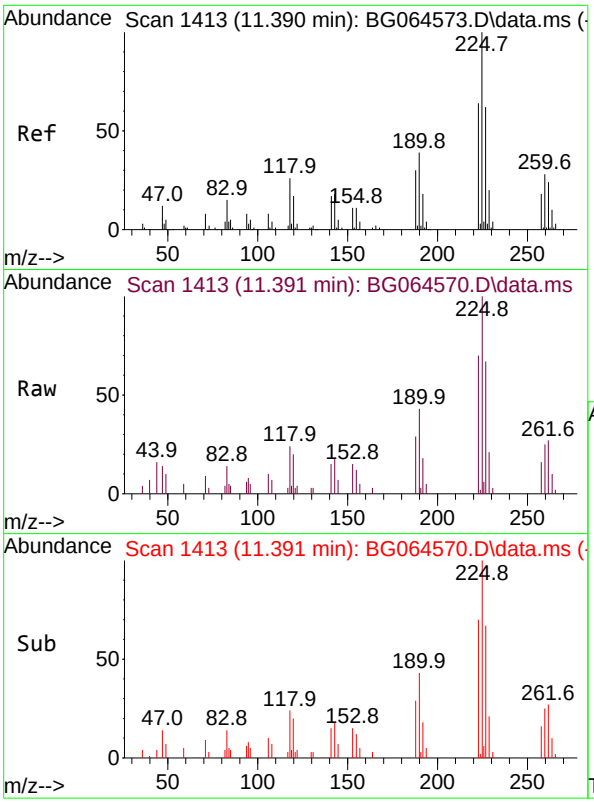


#33
4-Chloroaniline
Concen: 4.530 ng
RT: 11.186 min Scan# 1378
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:127 Resp: 16429

Ion	Ratio	Lower	Upper
127	100		
129	29.8	25.5	38.3
65	33.5	32.2	48.4
92	25.1	18.2	27.2

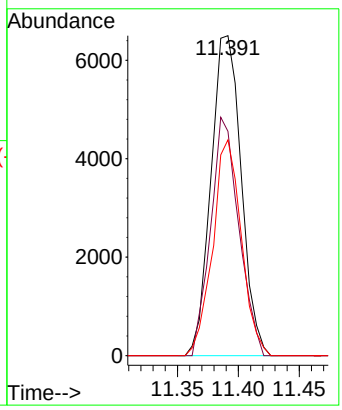




#34
Hexachlorobutadiene
Concen: 4.688 ng
RT: 11.391 min Scan# 14
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:225 Resp: 1121

Ion	Ratio	Lower	Upper
225	100		
223	66.4	48.8	73.2
227	63.9	49.5	74.3



Instrument :
BNA_G
ClientSampleId :
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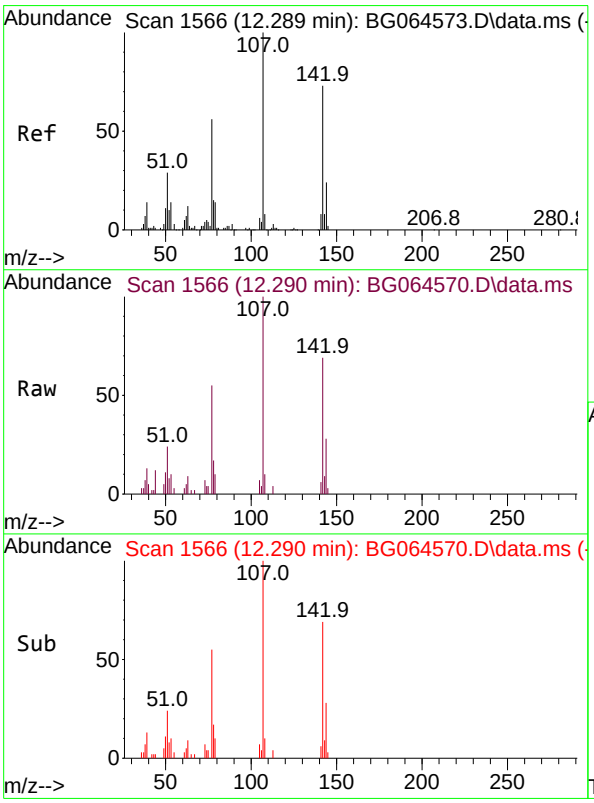
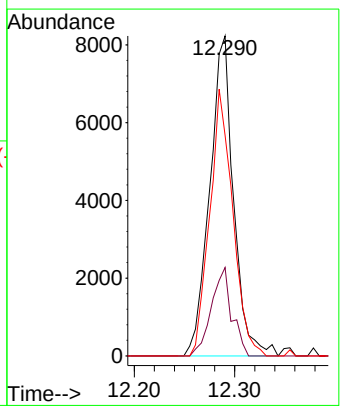
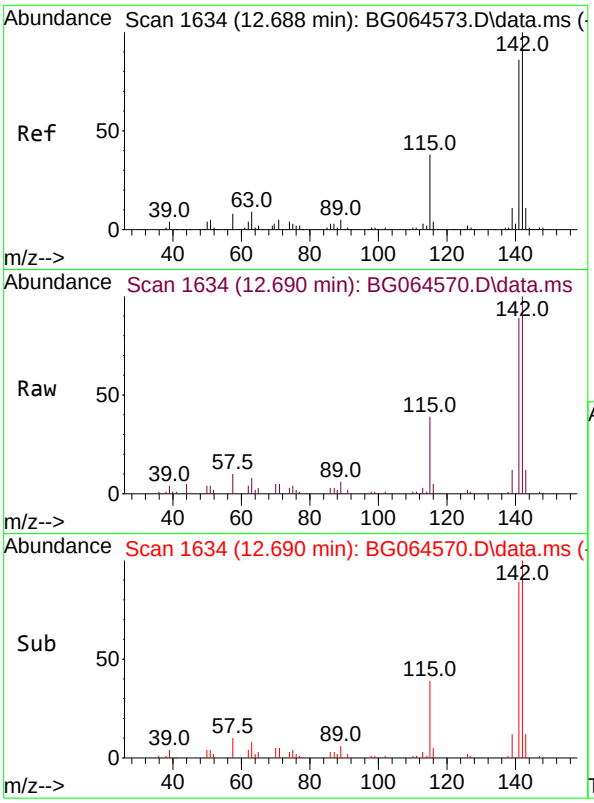


#36
4-Chloro-3-methylphenol
Concen: 4.205 ng
RT: 12.290 min Scan# 1566
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:107 Resp: 13604

Ion	Ratio	Lower	Upper
107	100		
144	27.6	19.1	28.7
142	68.9	58.6	87.8

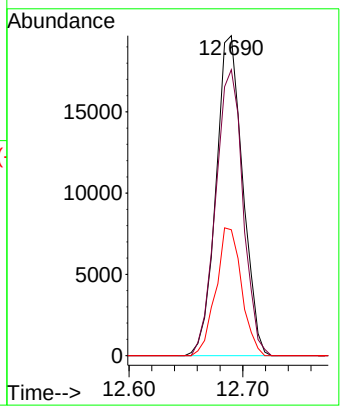




#37
2-Methylnaphthalene
Concen: 4.690 ng
RT: 12.690 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:142 Resp: 3212

Ion	Ratio	Lower	Upper
142	100		
141	89.3	68.9	103.3
115	39.3	30.6	46.0



Instrument :
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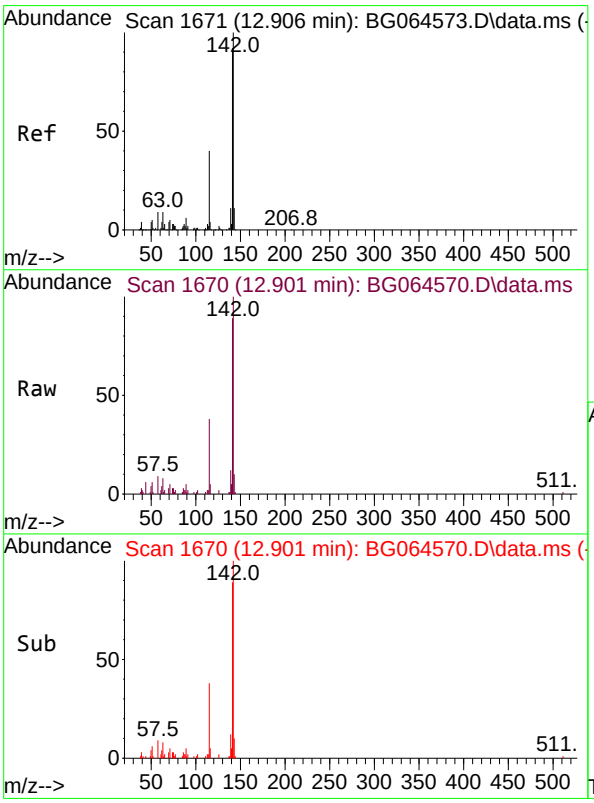
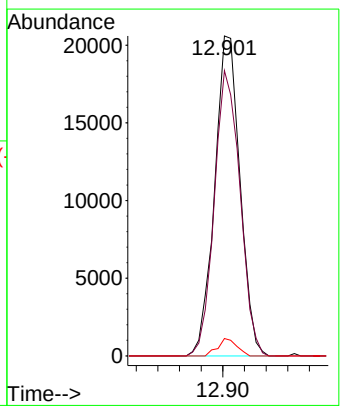
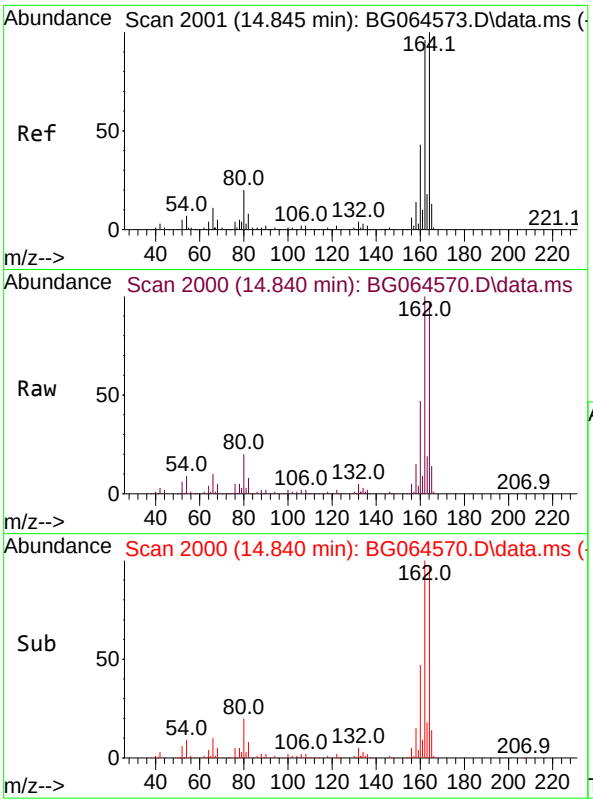


#38
1-Methylnaphthalene
Concen: 4.972 ng m
RT: 12.901 min Scan# 1670
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:142 Resp: 33515

Ion	Ratio	Lower	Upper
142	100		
141	89.1	73.3	109.9
116	5.4	3.1	4.7#

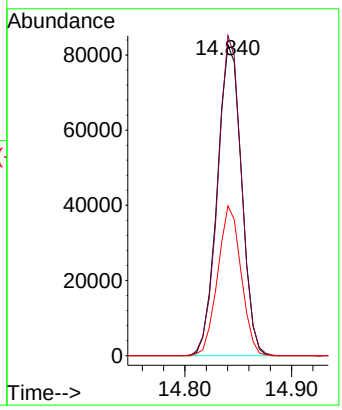




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.840 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:164 Resp: 13138

Ion	Ratio	Lower	Upper
164	100		
162	103.0	77.0	115.6
160	48.2	34.4	51.6



Instrument :
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ClientSampleId :
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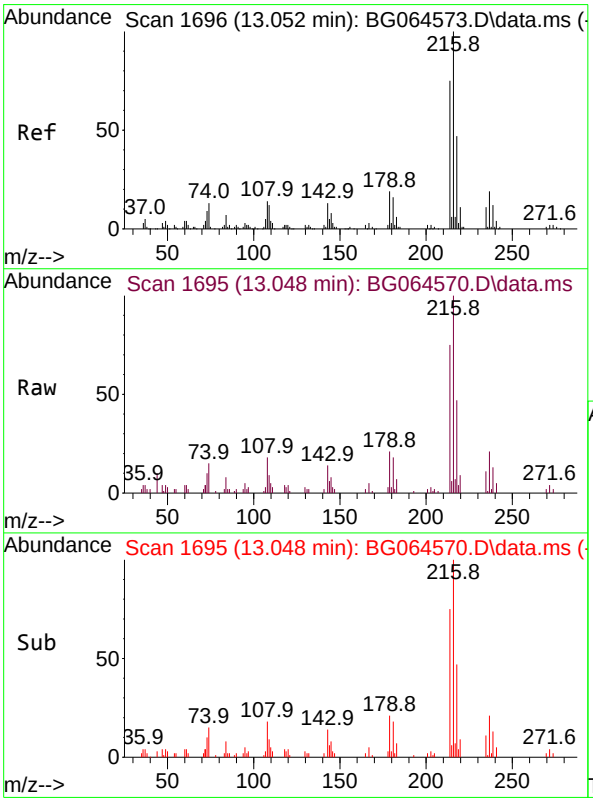
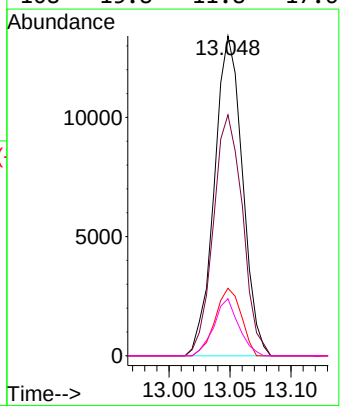
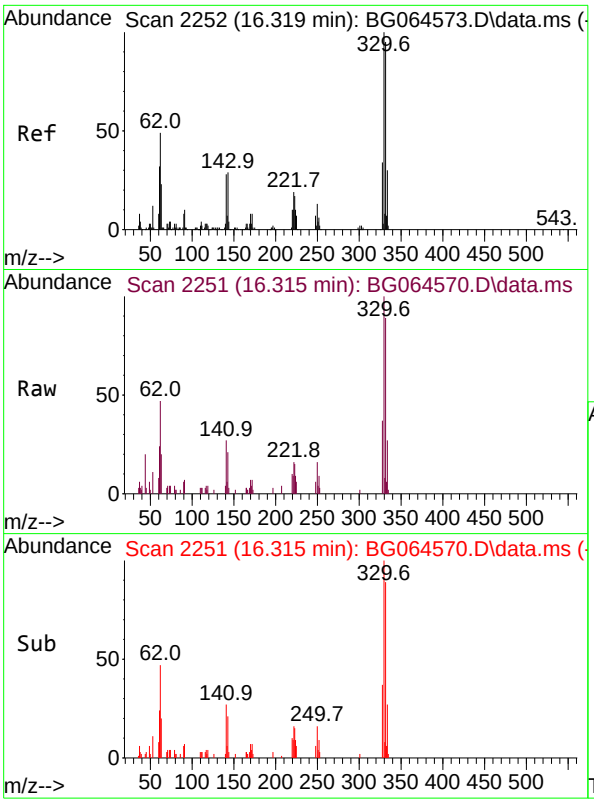


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.893 ng
RT: 13.048 min Scan# 1695
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:216 Resp: 21576

Ion	Ratio	Lower	Upper
216	100		
214	78.0	61.4	92.2
179	19.5	15.4	23.0
108	15.8	11.8	17.6

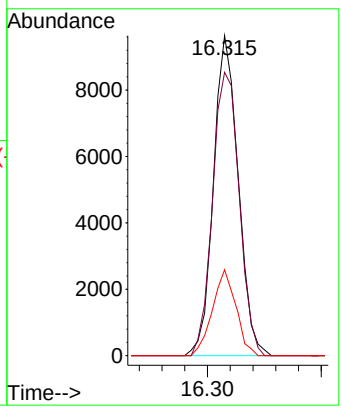




#42
2,4,6-Tribromophenol
Concen: 7.654 ng
RT: 16.315 min Scan# 2
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:330 Resp: 1451

Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.0	117.0
141	25.5	21.8	32.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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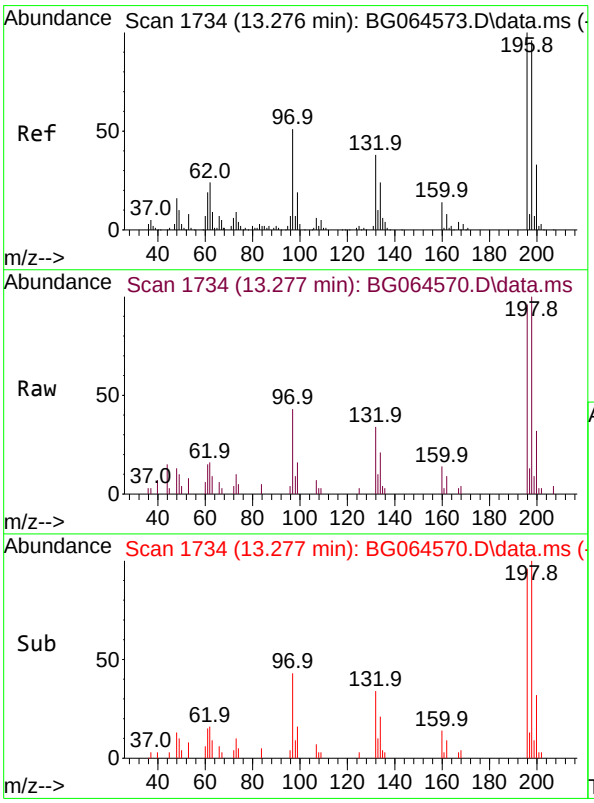
Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

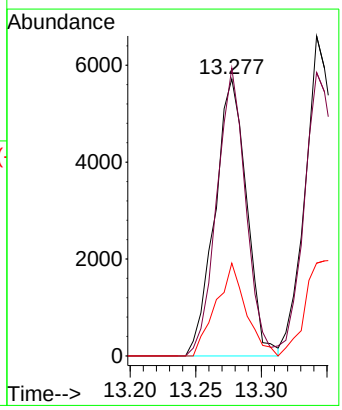
10/27/2025

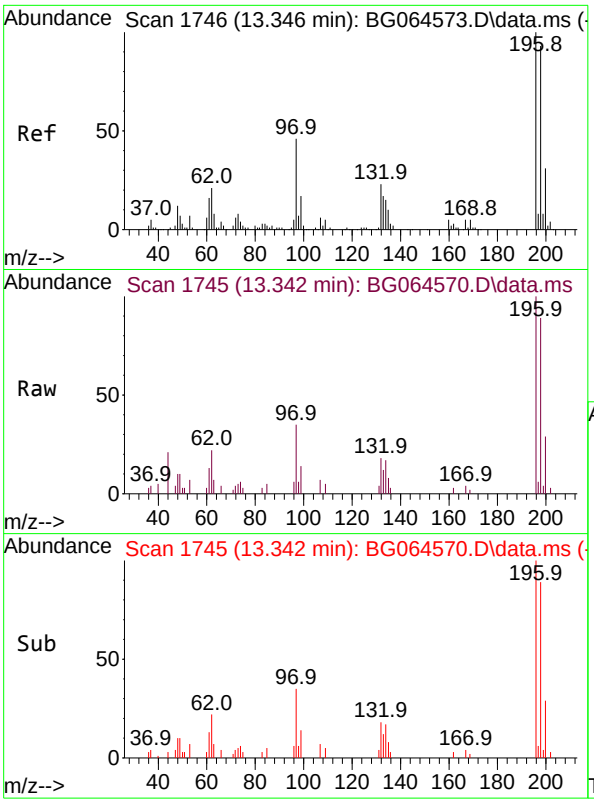


#43
2,4,6-Trichlorophenol
Concen: 3.826 ng
RT: 13.277 min Scan# 1734
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:196 Resp: 9650

Ion	Ratio	Lower	Upper
196	100		
198	103.9	76.6	115.0
200	33.5	26.0	39.0

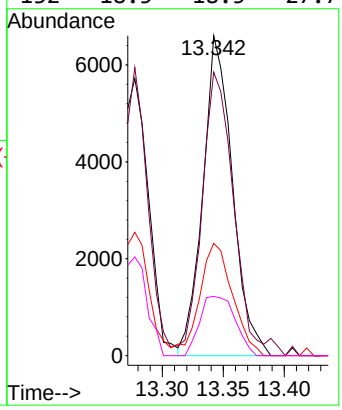




#44
2,4,5-Trichlorophenol
Concen: 3.831 ng
RT: 13.342 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:196 Resp: 1115

Ion	Ratio	Lower	Upper
196	100		
198	88.6	74.2	111.4
97	35.1	37.0	55.6#
132	18.5	18.5	27.7



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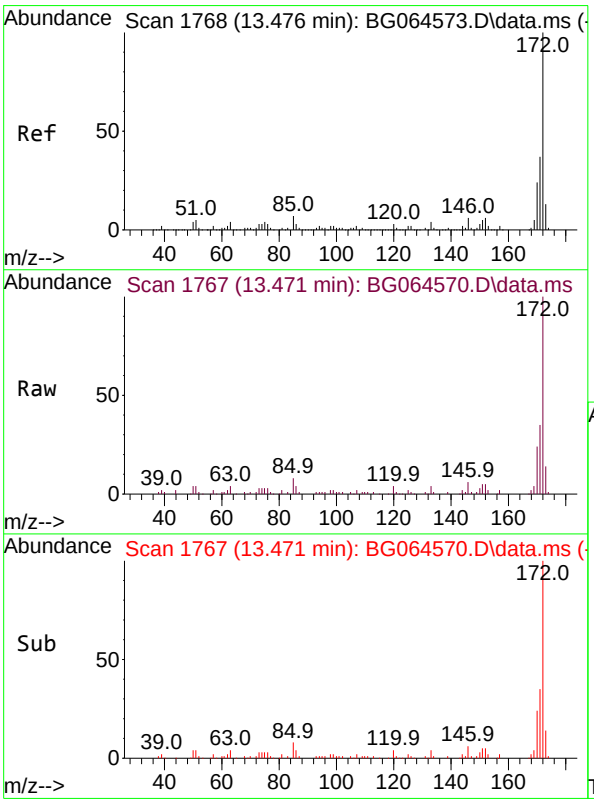
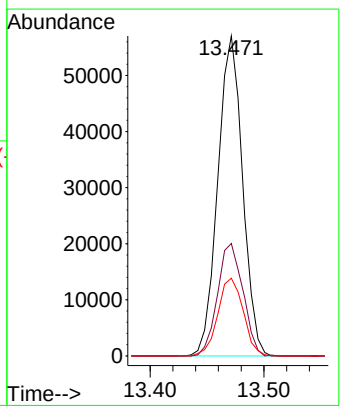
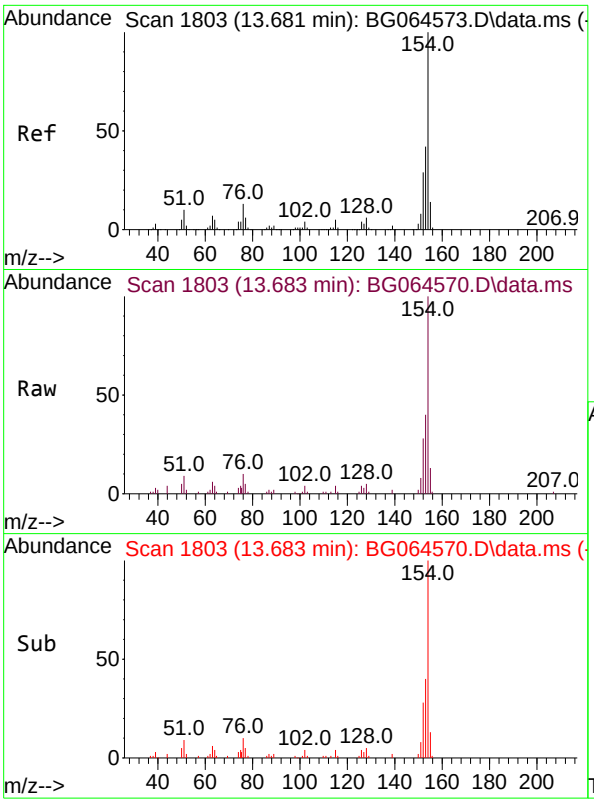


#45
2-Fluorobiphenyl
Concen: 9.932 ng
RT: 13.471 min Scan# 1767
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:172 Resp: 86089

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.4	44.0
170	24.3	19.1	28.7

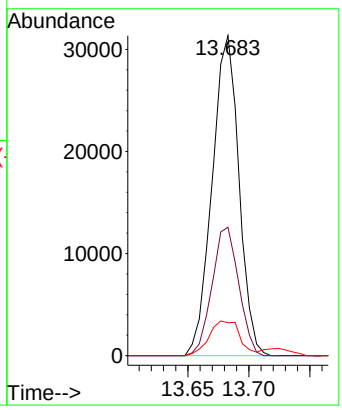




#46
1,1'-Biphenyl
Concen: 5.122 ng
RT: 13.683 min Scan# 18
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:154 Resp: 4784

Ion	Ratio	Lower	Upper
154	100		
153	40.1	22.4	62.4
76	10.3	0.0	33.5



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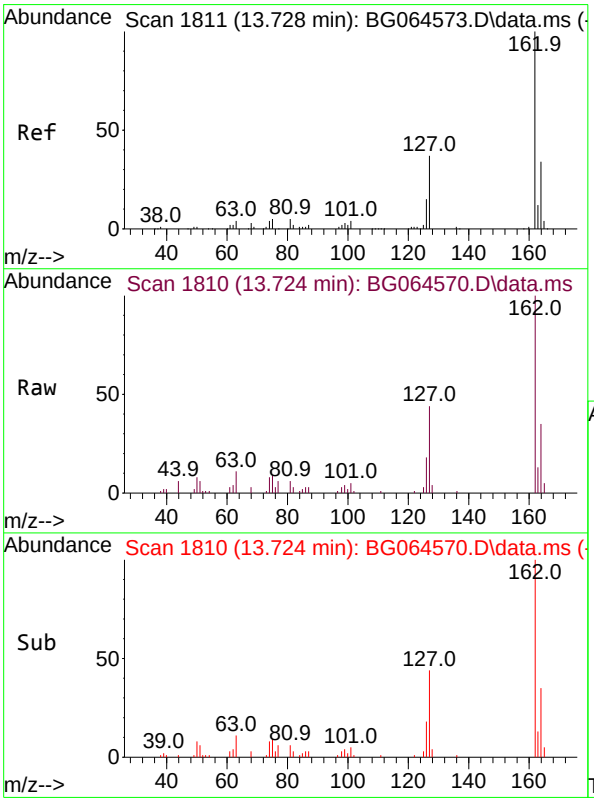
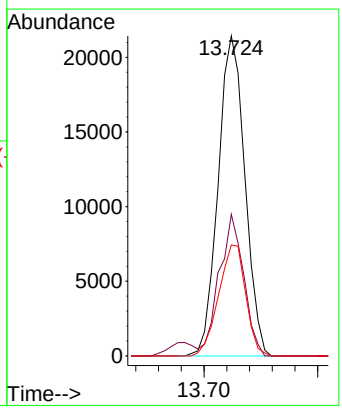
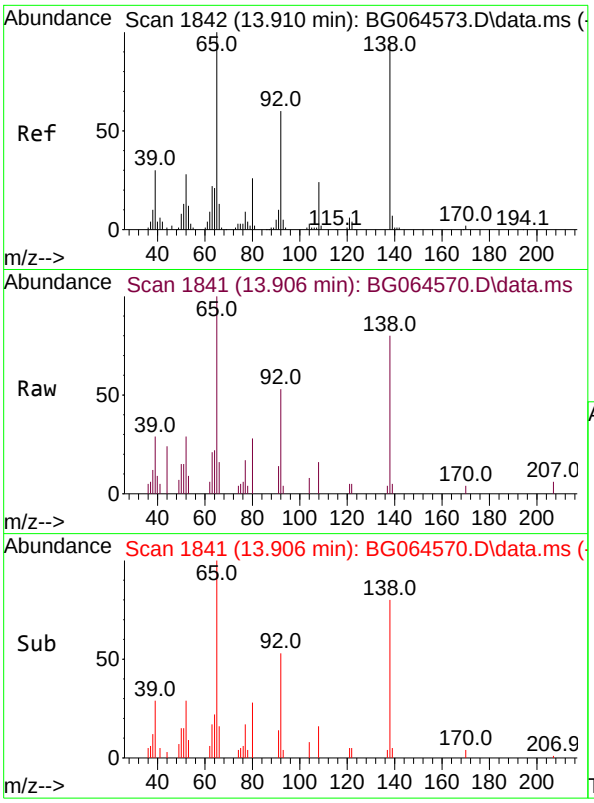


#47
2-Chloronaphthalene
Concen: 4.961 ng
RT: 13.724 min Scan# 1810
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:162 Resp: 34977

Ion	Ratio	Lower	Upper
162	100		
127	44.2	32.2	48.2
164	34.7	27.5	41.3

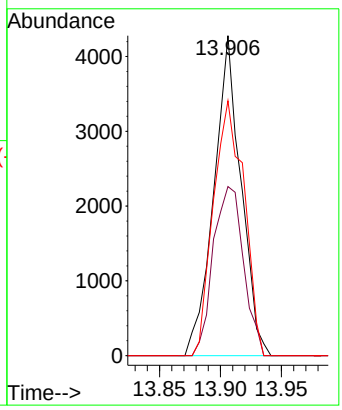




#48
2-Nitroaniline
Concen: 5.826 ng
RT: 13.906 min Scan# 18
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 65 Resp: 6601

Ion	Ratio	Lower	Upper
65	100		
92	52.8	48.3	72.5
138	79.6	74.9	112.3



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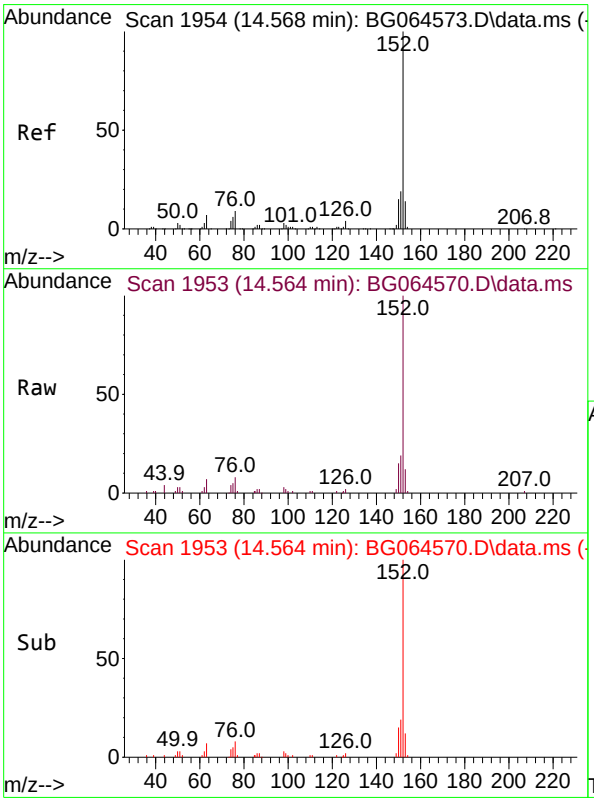
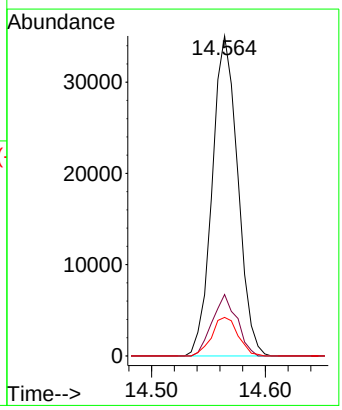
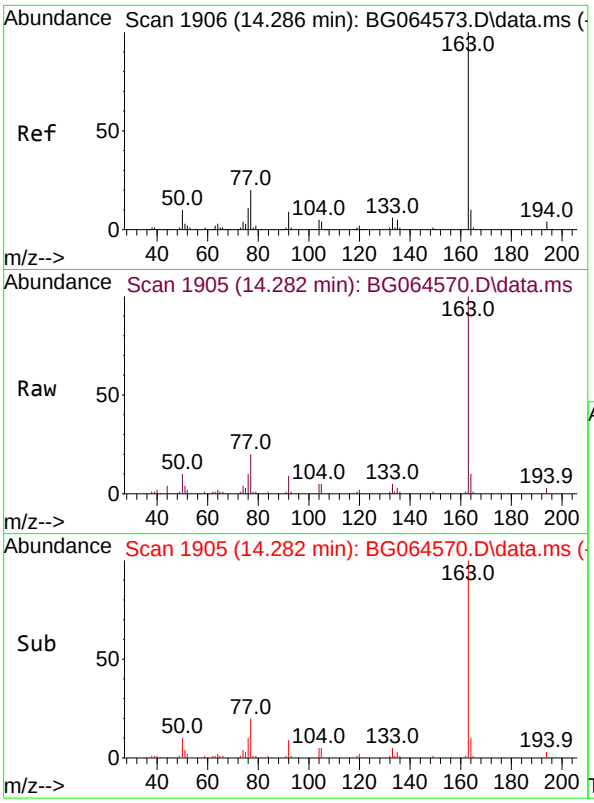


#49
Acenaphthylene
Concen: 4.923 ng
RT: 14.564 min Scan# 1953
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:152 Resp: 54748

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	12.0	11.0	16.4

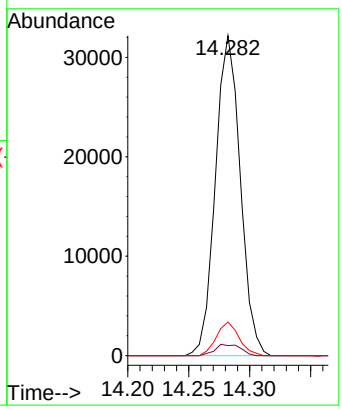




#50
Dimethylphthalate
Concen: 4.540 ng
RT: 14.282 min Scan# 19
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:163 Resp: 4563

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.5	7.7	11.5



Instrument :
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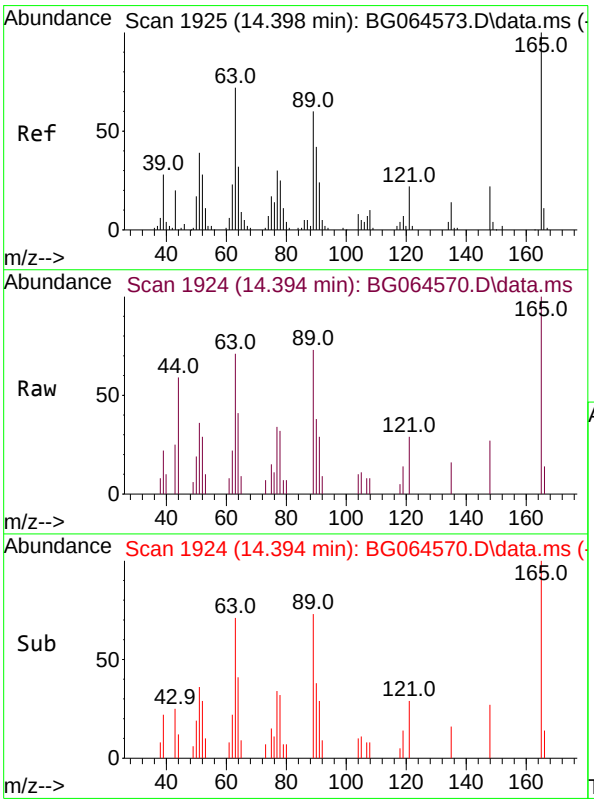
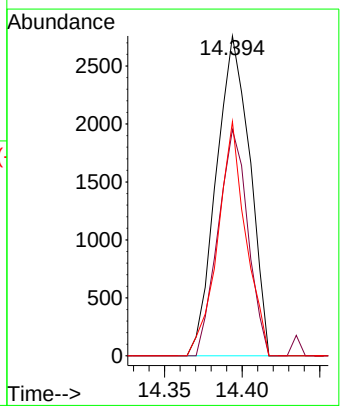
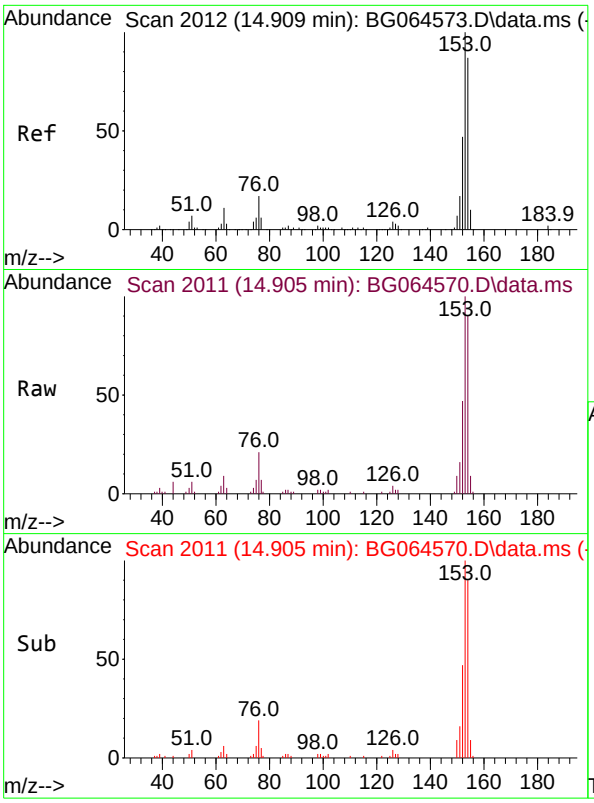


#51
2,6-Dinitrotoluene
Concen: 5.535 ng
RT: 14.394 min Scan# 1924
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:165 Resp: 4161

Ion	Ratio	Lower	Upper
165	100		
63	70.7	57.4	86.0
89	73.2	47.8	71.8#

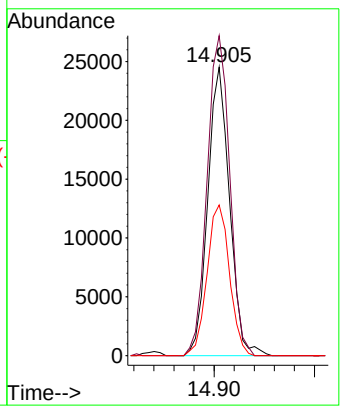




#52
Acenaphthene
Concen: 4.867 ng
RT: 14.905 min Scan# 20
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:154 Resp: 3698

Ion	Ratio	Lower	Upper
154	100		
153	111.0	92.2	138.4
152	52.2	43.2	64.8



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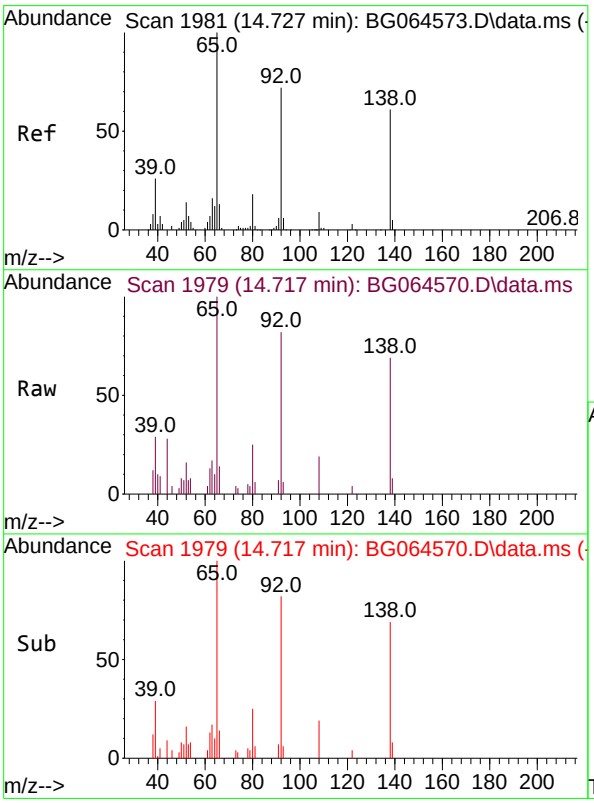
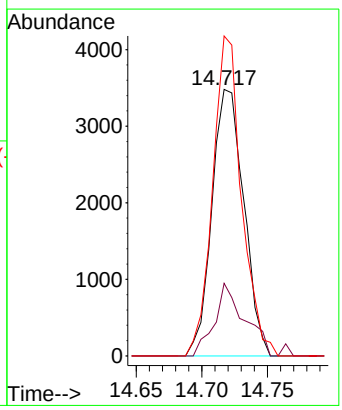
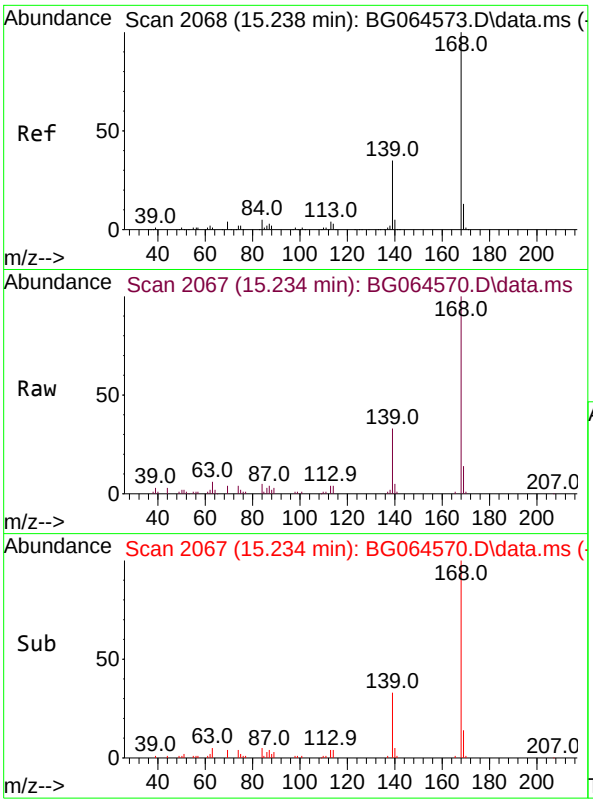


#53
3-Nitroaniline
Concen: 3.417 ng
RT: 14.717 min Scan# 1979
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:138 Resp: 5903

Ion	Ratio	Lower	Upper
138	100		
108	27.2	11.4	17.0#
92	120.0	95.3	142.9

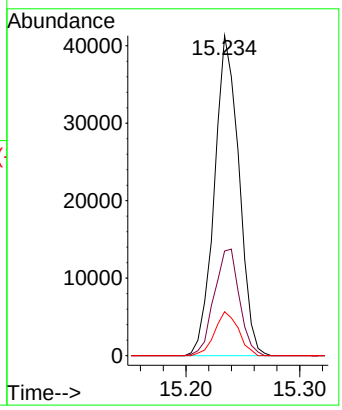




#55
Dibenzofuran
Concen: 5.029 ng
RT: 15.234 min Scan# 20
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:168 Resp: 6177

Ion	Ratio	Lower	Upper
168	100		
139	32.7	27.8	41.8
169	13.7	10.3	15.5



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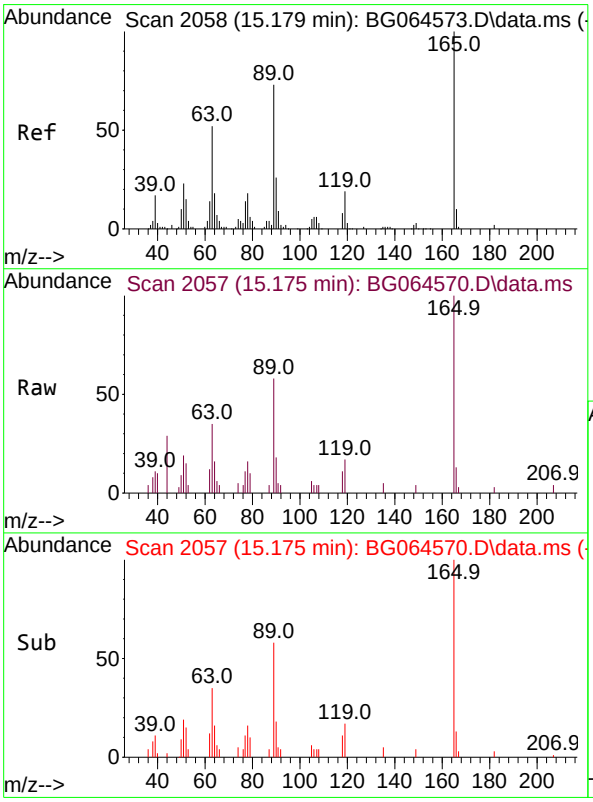
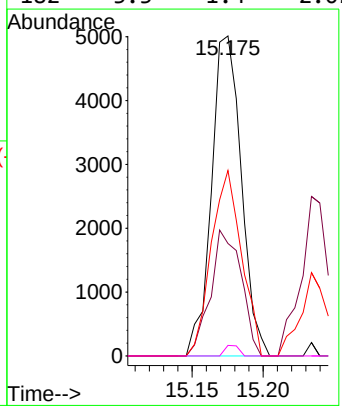
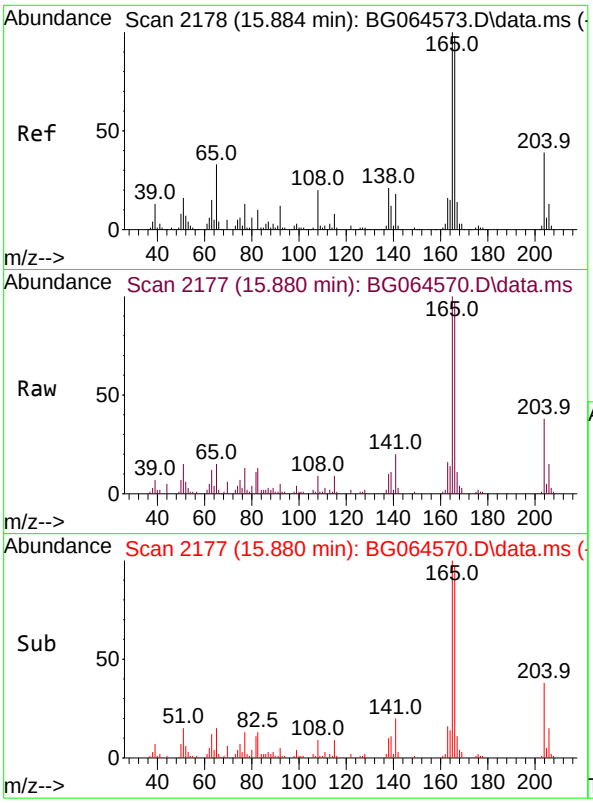


#57
2,4-Dinitrotoluene
Concen: 5.721 ng
RT: 15.175 min Scan# 2057
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:165 Resp: 7312

Ion	Ratio	Lower	Upper
165	100		
63	35.1	41.8	62.8#
89	57.9	58.1	87.1#
182	3.3	1.4	2.0#

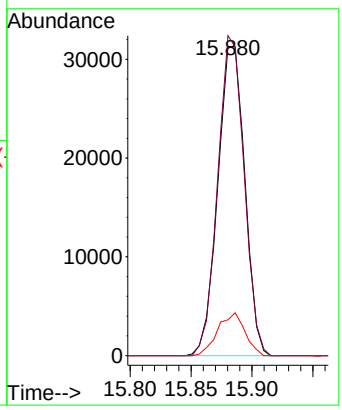




#58
Fluorene
Concen: 5.035 ng
RT: 15.880 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:166 Resp: 4830

Ion	Ratio	Lower	Upper
166	100		
165	103.5	81.5	122.3
167	11.6	11.4	17.0



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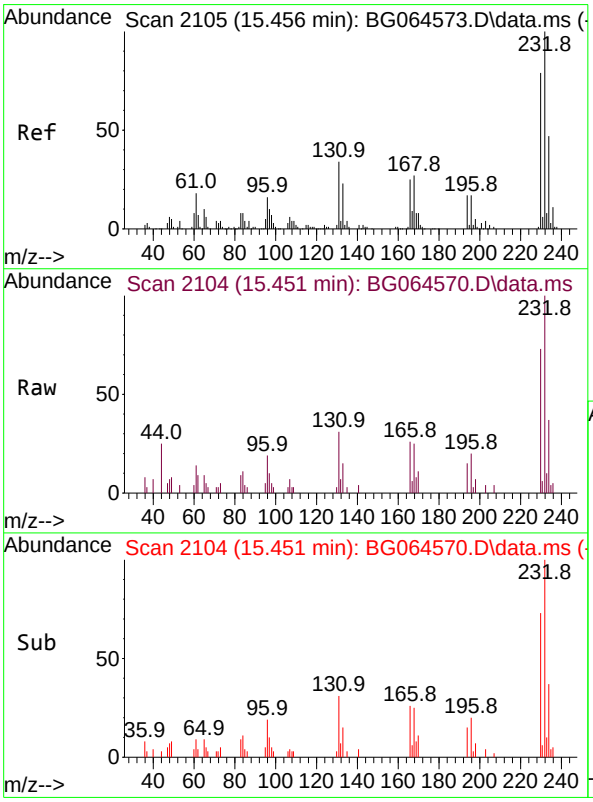
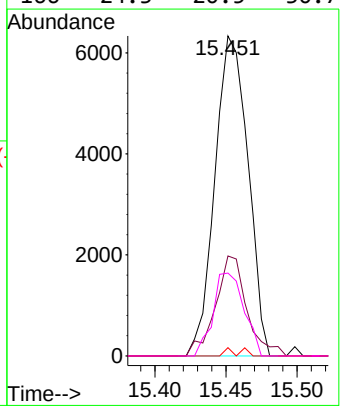
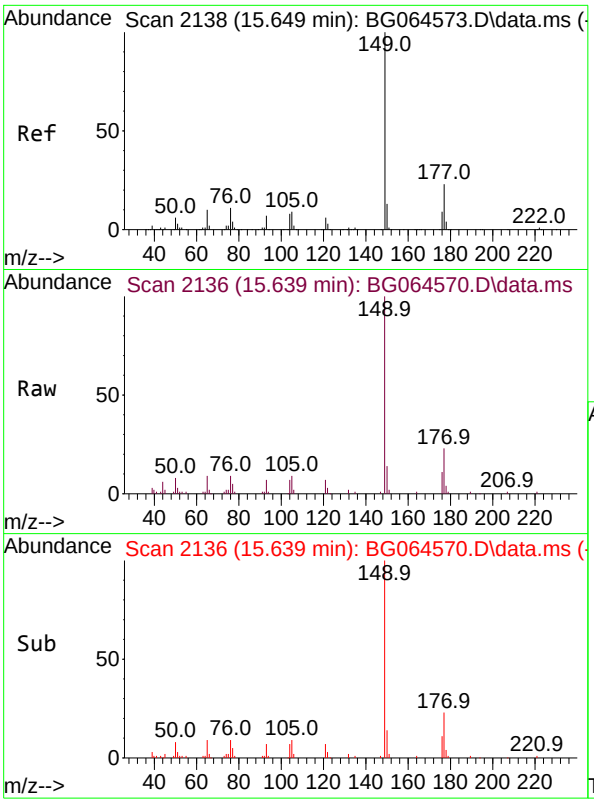


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.679 ng
RT: 15.451 min Scan# 2104
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:232 Resp: 10241

Ion	Ratio	Lower	Upper
232	100		
131	29.7	26.7	40.1
130	1.1	1.6	2.4#
166	24.3	20.5	30.7

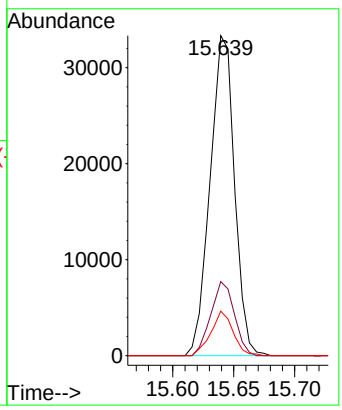




#60
Diethylphthalate
Concen: 4.533 ng
RT: 15.639 min Scan# 21
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:149 Resp: 4653

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.0	27.0
150	13.9	10.2	15.4



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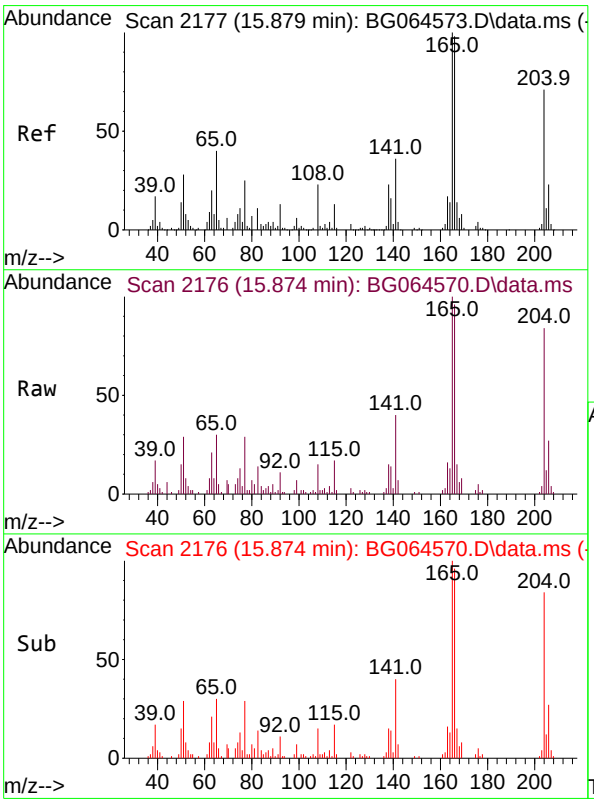
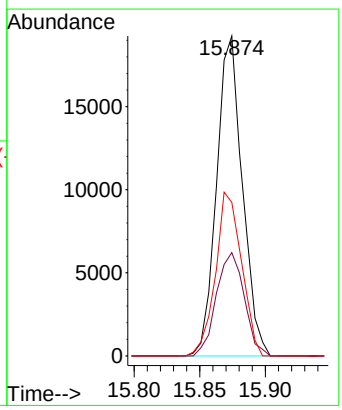
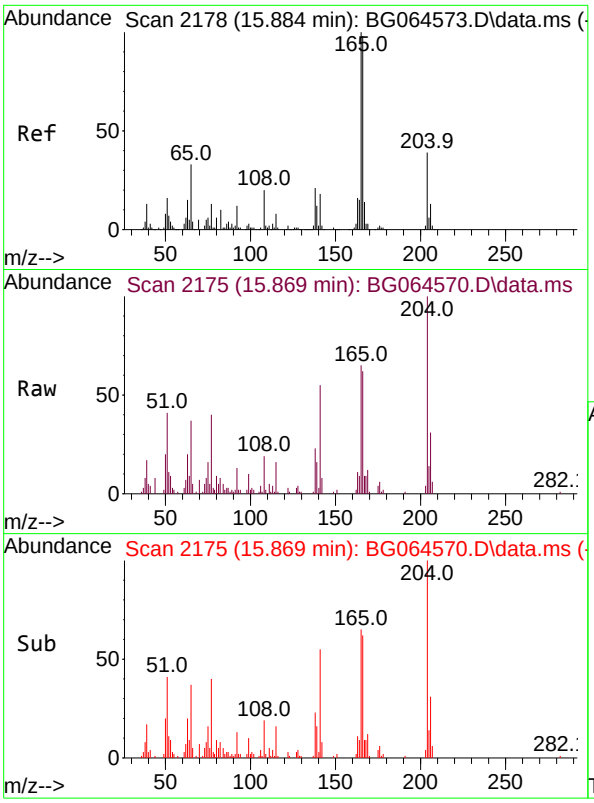


#61
4-Chlorophenyl-phenylether
Concen: 4.880 ng
RT: 15.874 min Scan# 2176
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:204 Resp: 26270

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.6	38.4
141	48.0	40.6	60.8

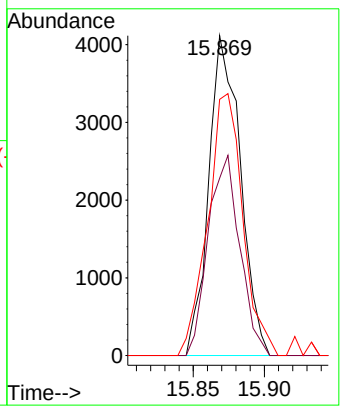




#62
4-Nitroaniline
Concen: 3.321 ng
RT: 15.869 min Scan# 2
Delta R.T. -0.025 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:138 Resp: 638

Ion	Ratio	Lower	Upper
138	100		
92	55.4	36.1	76.1
108	80.1	75.6	115.6



Instrument :
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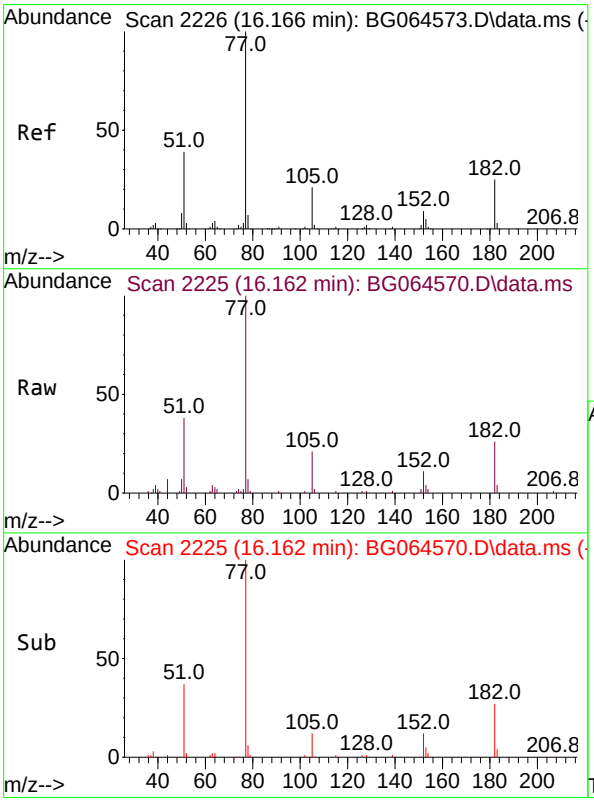
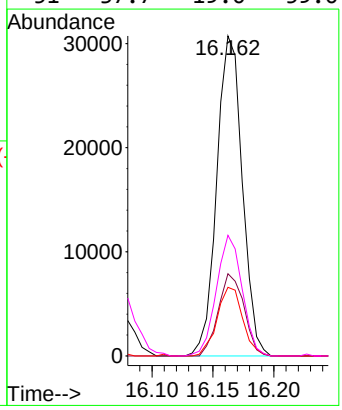
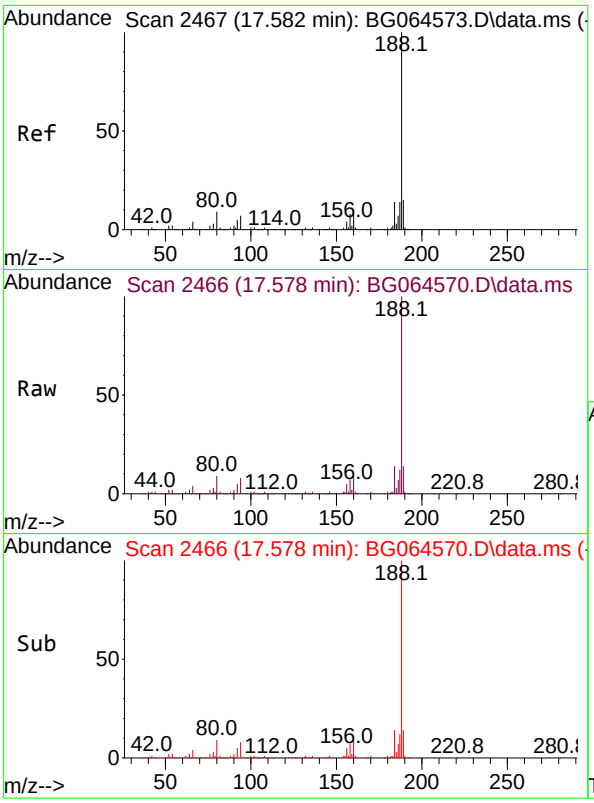


#63
Azobenzene
Concen: 4.749 ng
RT: 16.162 min Scan# 2225
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 77 Resp: 44729

Ion	Ratio	Lower	Upper
77	100		
182	25.7	4.9	44.9
105	21.4	1.3	41.3
51	37.7	19.0	59.0

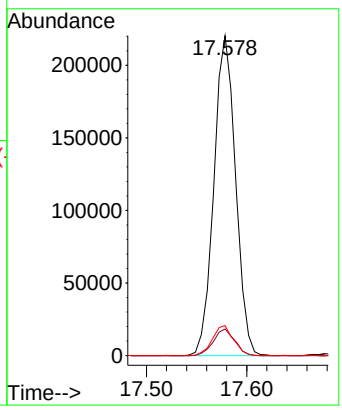




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:188 Resp: 331371

Ion	Ratio	Lower	Upper
188	100		
94	8.3	5.7	8.5
80	9.4	6.8	10.2



Instrument :
BNA_G
ClientSampleId :
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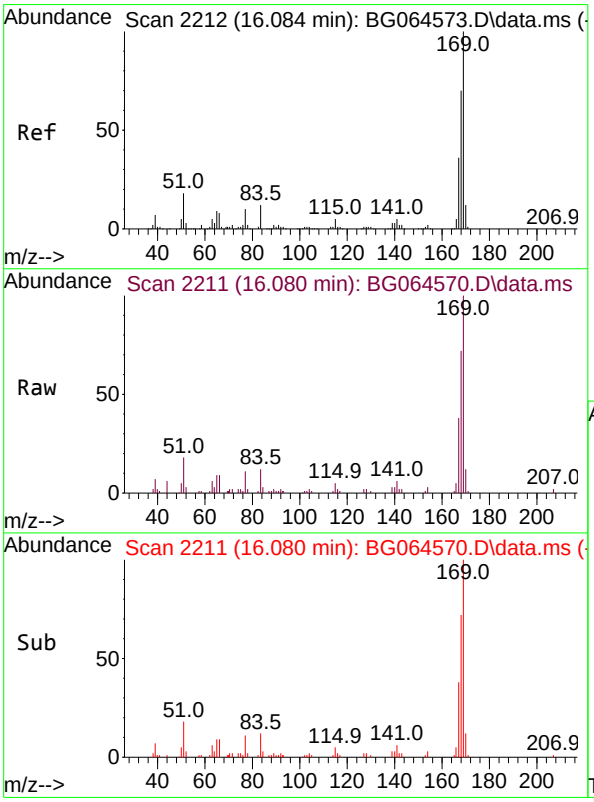
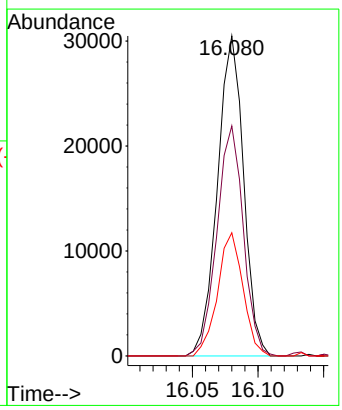
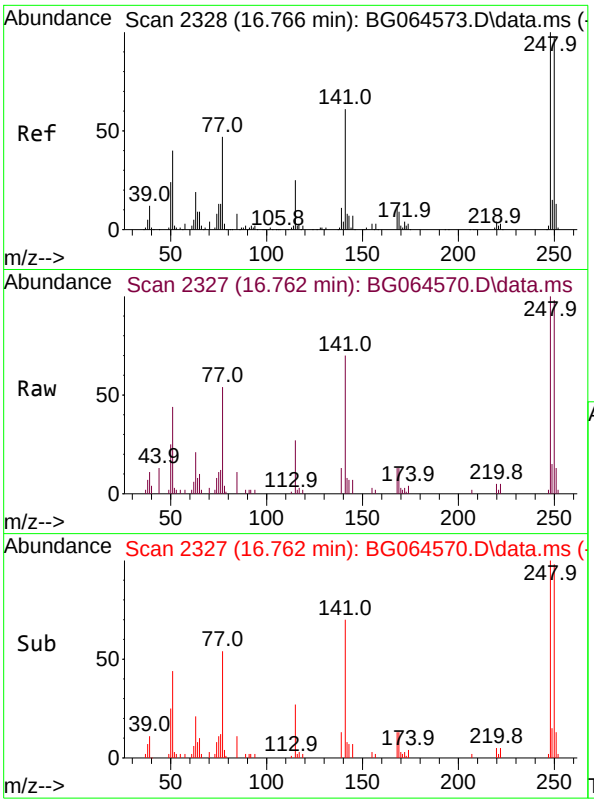


#66
n-Nitrosodiphenylamine
Concen: 4.725 ng
RT: 16.080 min Scan# 2211
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:169 Resp: 42291

Ion	Ratio	Lower	Upper
169	100		
168	71.9	56.3	84.5
167	38.5	29.0	43.6

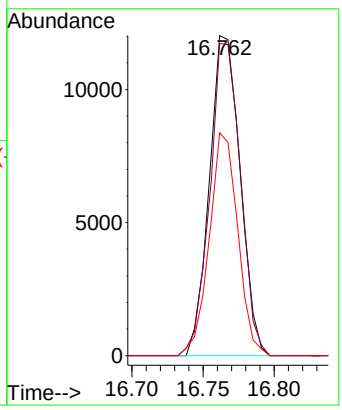




#67
4-Bromophenyl-phenylether
Concen: 4.600 ng
RT: 16.762 min Scan# 2
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:248 Resp: 1806

Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.7	116.5
141	69.6	48.6	72.8



Instrument :
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ClientSampleId :
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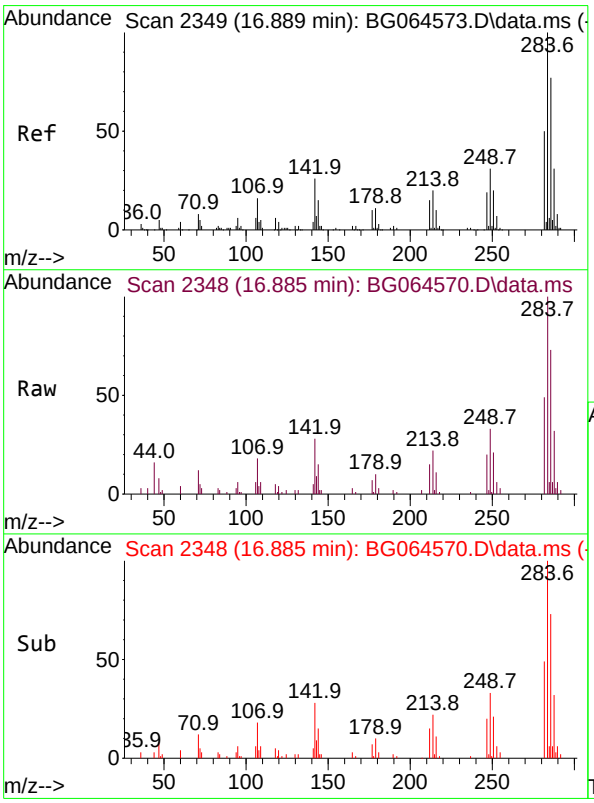
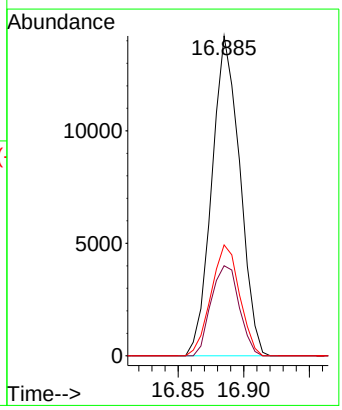
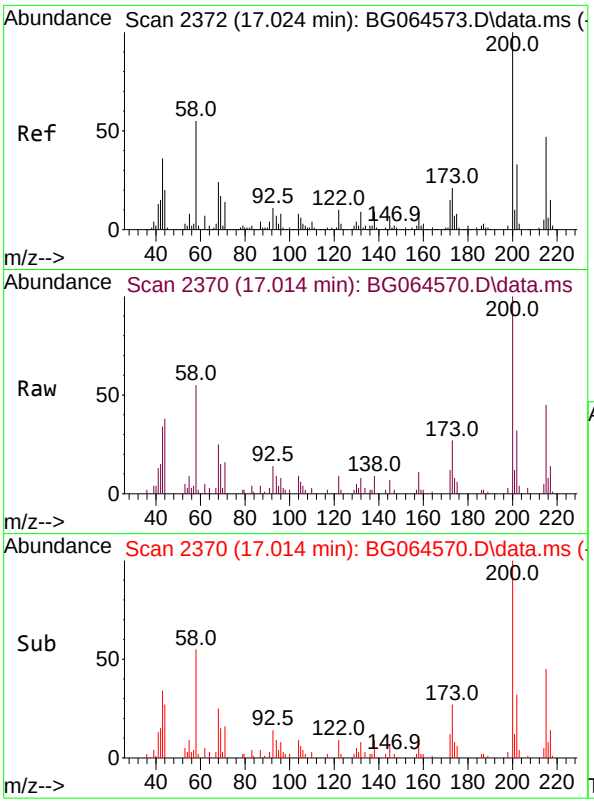


#68
Hexachlorobenzene
Concen: 4.705 ng
RT: 16.885 min Scan# 2348
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:284 Resp: 21076

Ion	Ratio	Lower	Upper
284	100		
142	28.2	21.0	31.6
249	34.7	24.9	37.3

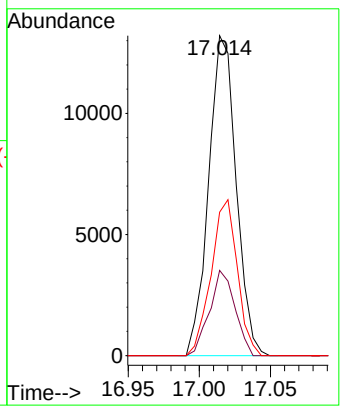




#69
Atrazine
Concen: 4.616 ng
RT: 17.014 min Scan# 2
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:200 Resp: 1778

Ion	Ratio	Lower	Upper
200	100		
173	26.6	0.9	40.9
215	44.8	27.0	67.0



Instrument :
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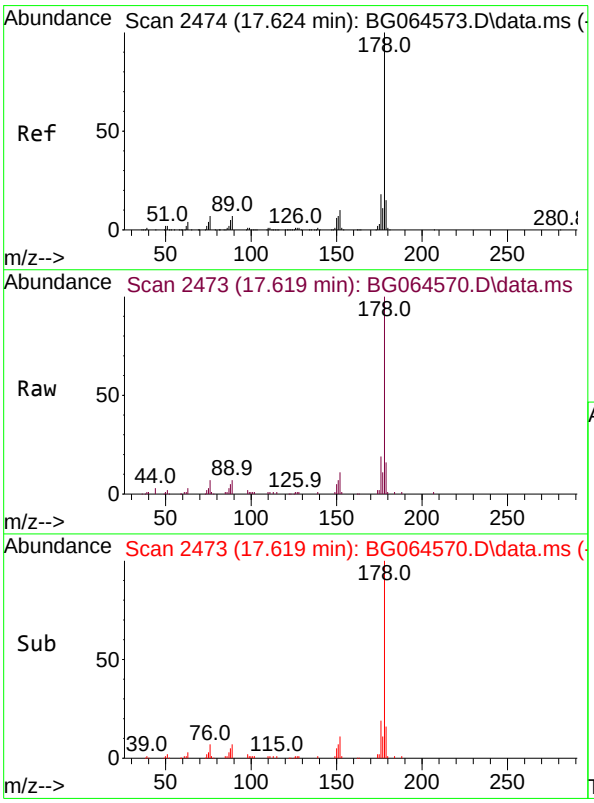
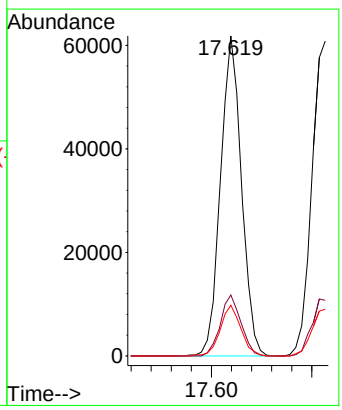
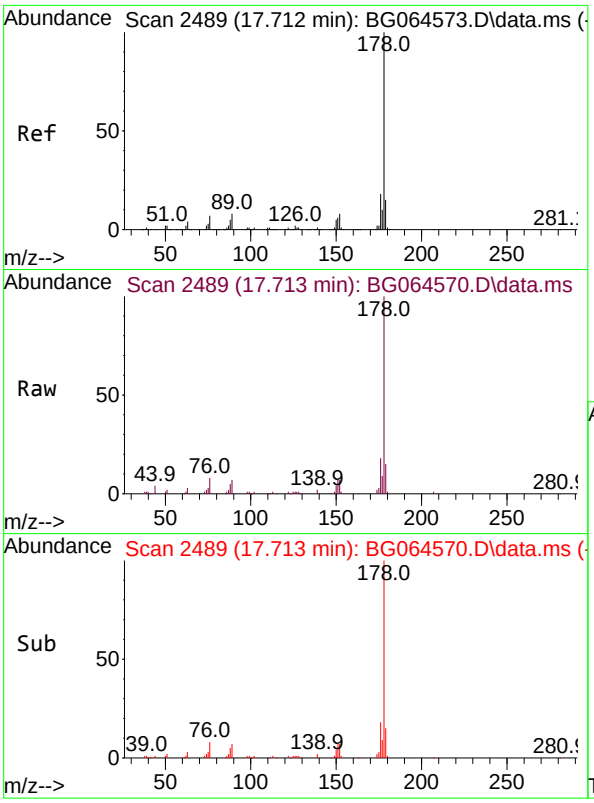


#71
Phenanthrene
Concen: 4.954 ng
RT: 17.619 min Scan# 2473
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:178 Resp: 89771

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.8	12.2	18.4

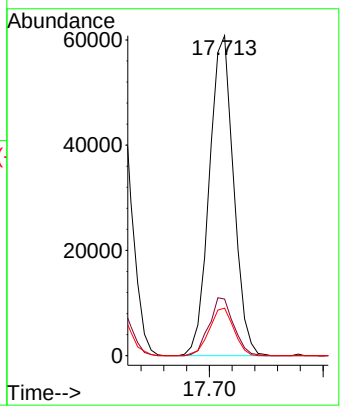




#72
Anthracene
Concen: 4.886 ng
RT: 17.713 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:178 Resp: 9006

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.4	21.6
179	14.8	12.4	18.6



Instrument :
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ClientSampleId :
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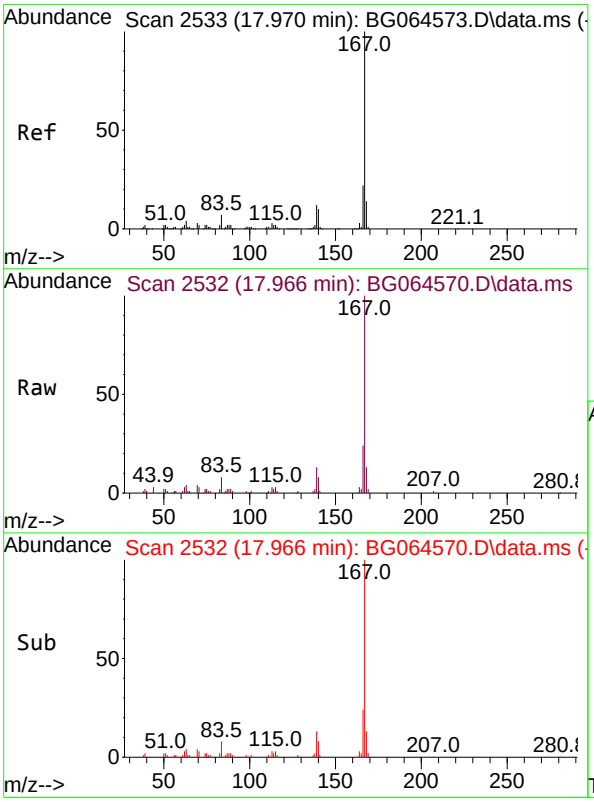
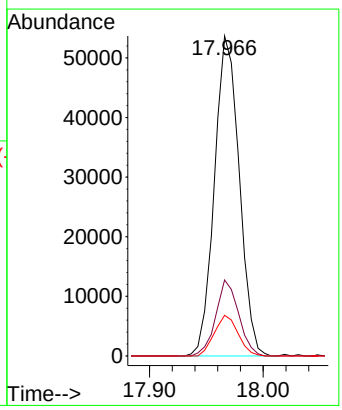
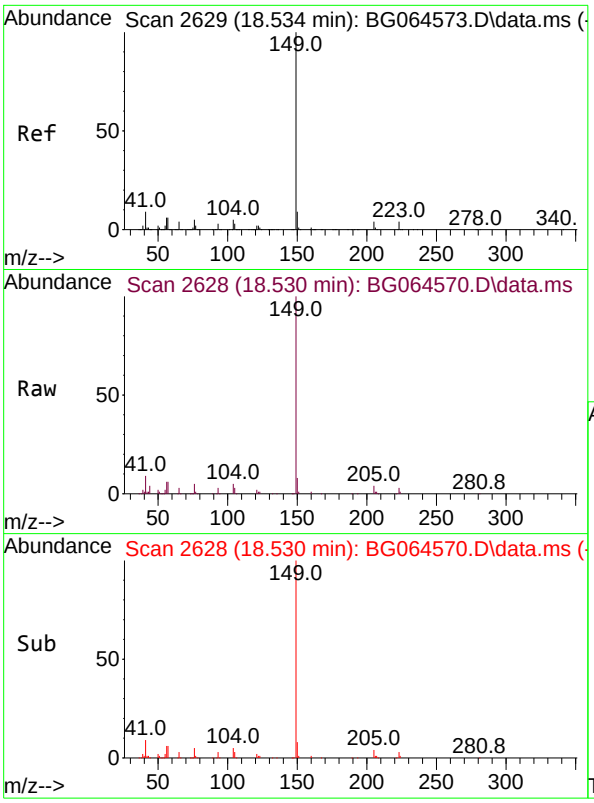


#73
Carbazole
Concen: 5.005 ng
RT: 17.966 min Scan# 2532
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:167 Resp: 81350

Ion	Ratio	Lower	Upper
167	100		
166	23.7	17.9	26.9
139	12.7	9.7	14.5

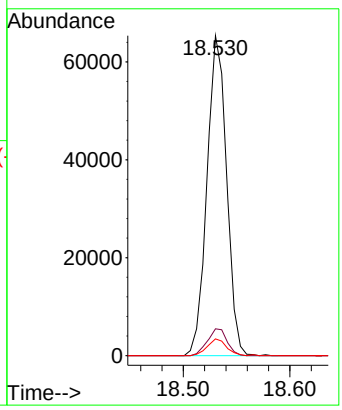




#74
Di-n-butylphthalate
Concen: 4.454 ng
RT: 18.530 min Scan# 2
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:149 Resp: 8371

Ion	Ratio	Lower	Upper
149	100		
150	8.4	7.0	10.6
104	5.2	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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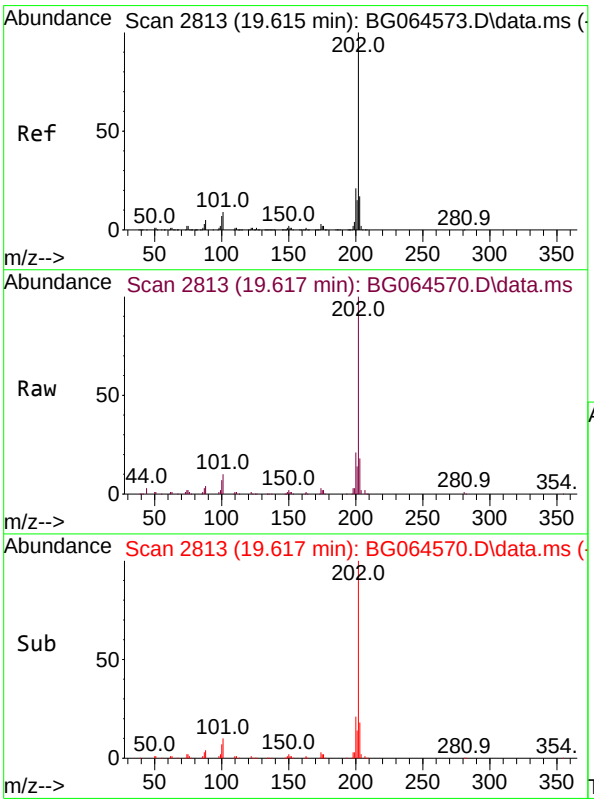
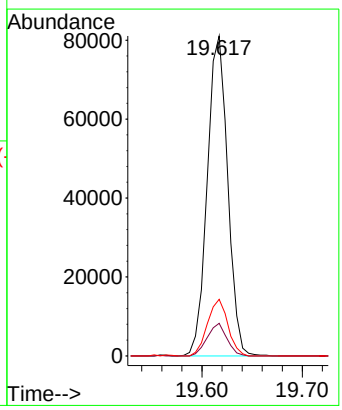
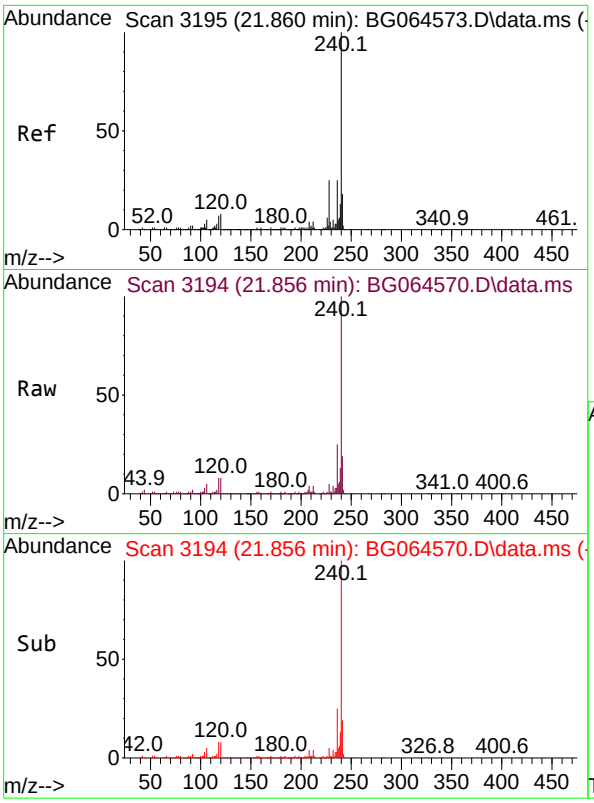


#75
Fluoranthene
Concen: 5.054 ng
RT: 19.617 min Scan# 2813
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:202 Resp: 114724

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	28.7
203	17.7	0.0	37.0

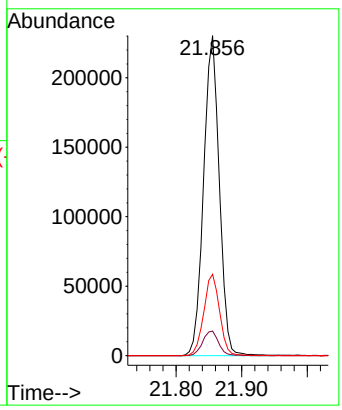




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.856 min Scan# 3
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:240 Resp: 38138

Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.5	9.7
236	25.4	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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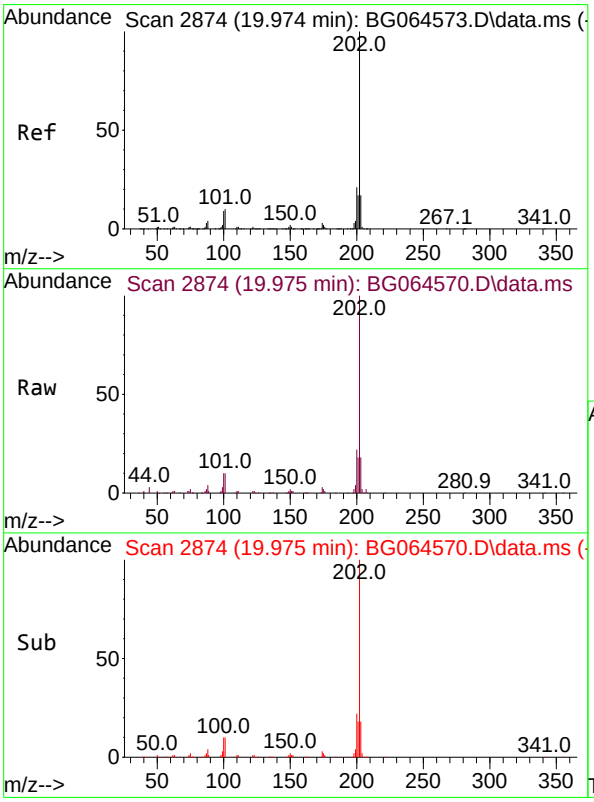
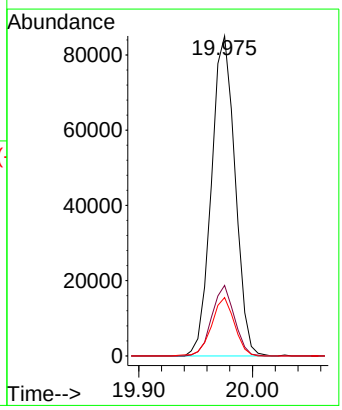
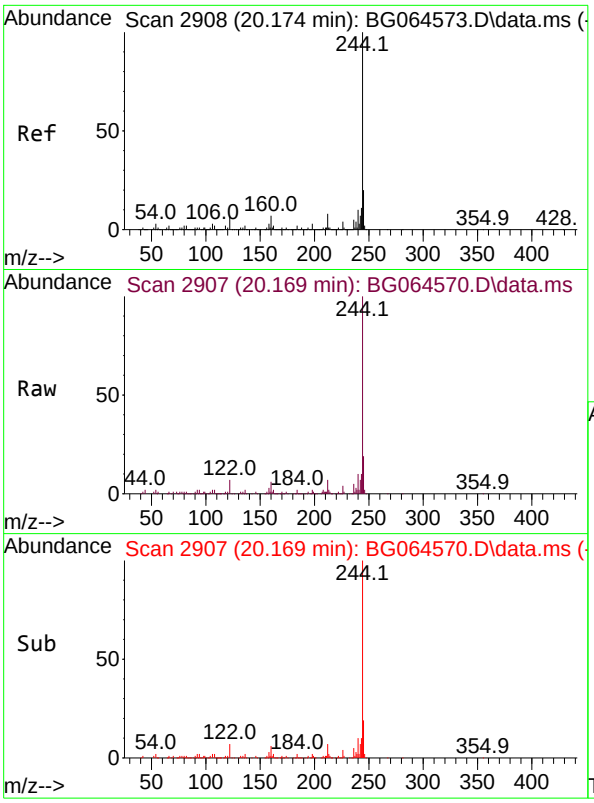


#78
Pyrene
Concen: 4.923 ng
RT: 19.975 min Scan# 2874
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:202 Resp: 122676

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.0	25.4
203	18.2	13.8	20.6

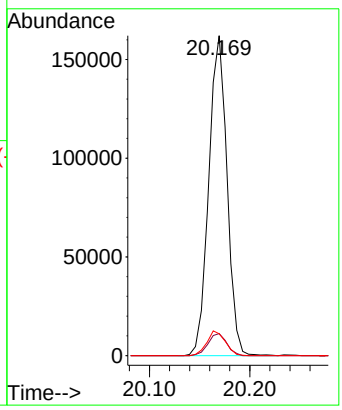




#79
Terphenyl-d14
Concen: 10.130 ng
RT: 20.169 min Scan# 29
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:244 Resp: 204719

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.1	9.1
122	6.8	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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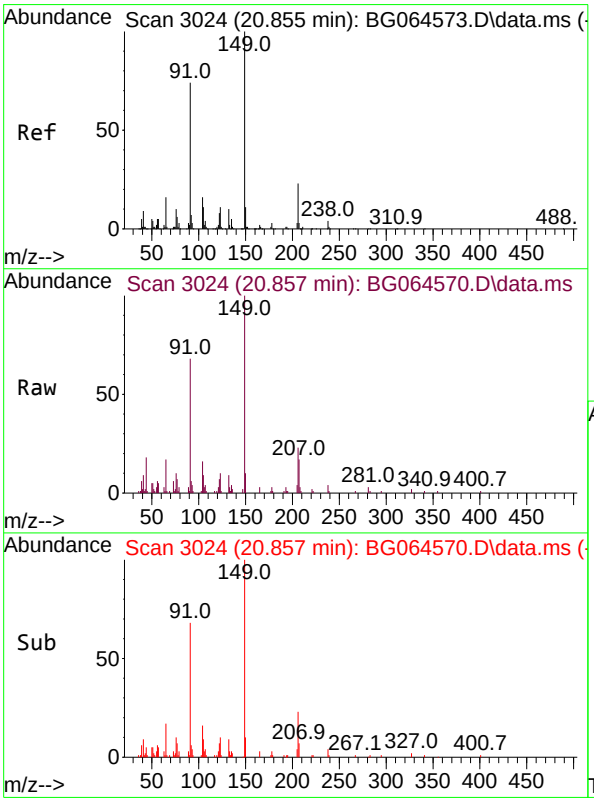
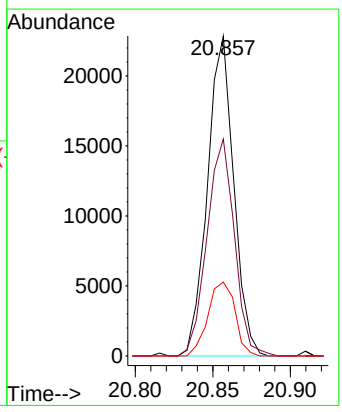
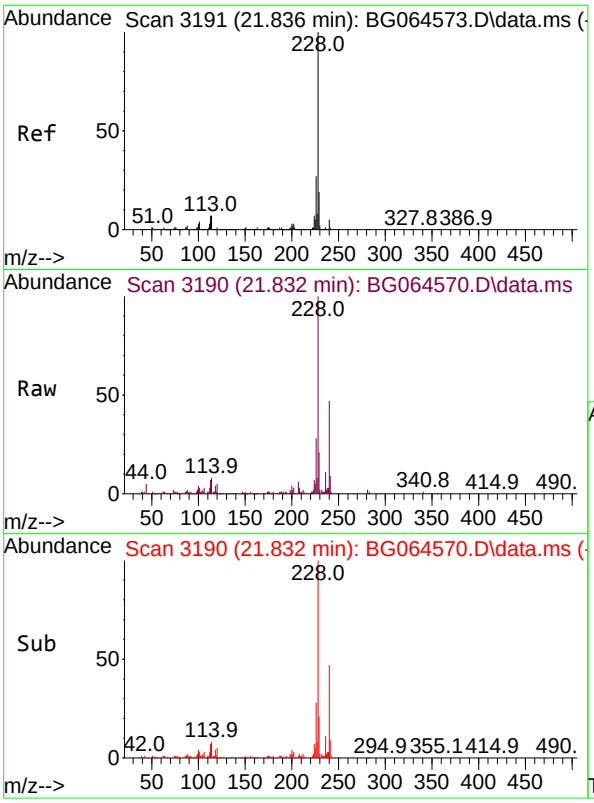


#80
Butylbenzylphthalate
Concen: 3.595 ng
RT: 20.857 min Scan# 3024
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:149 Resp: 27072

Ion	Ratio	Lower	Upper
149	100		
91	67.8	59.2	88.8
206	23.1	18.1	27.1

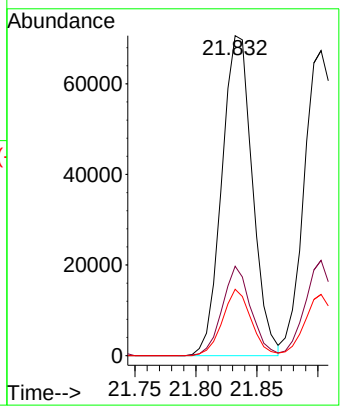




#81
Benzo(a)anthracene
Concen: 4.878 ng
RT: 21.832 min Scan# 3
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:228 Resp: 12334

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.9	32.9
229	20.7	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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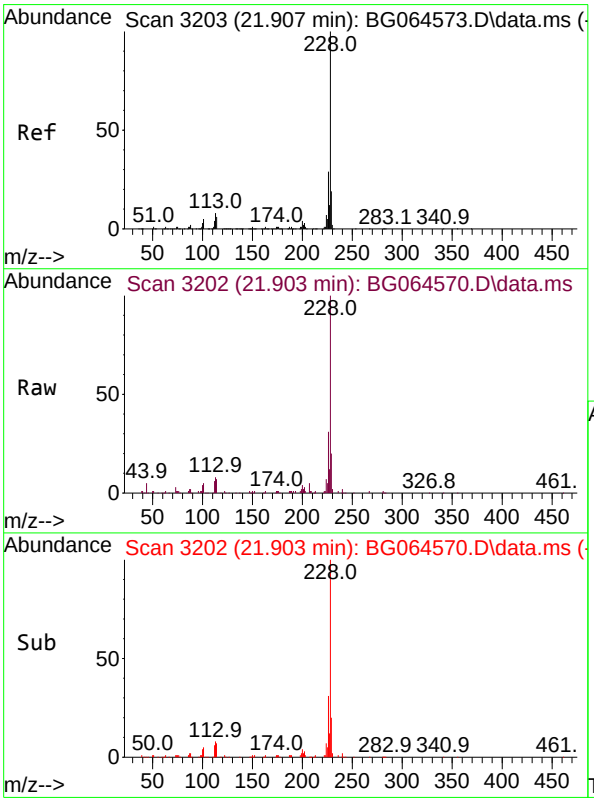
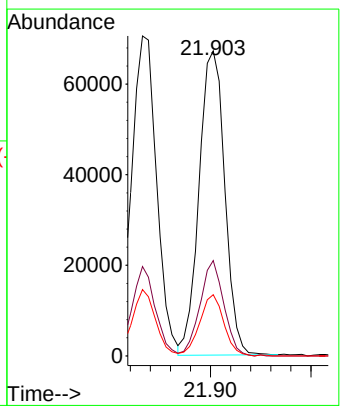
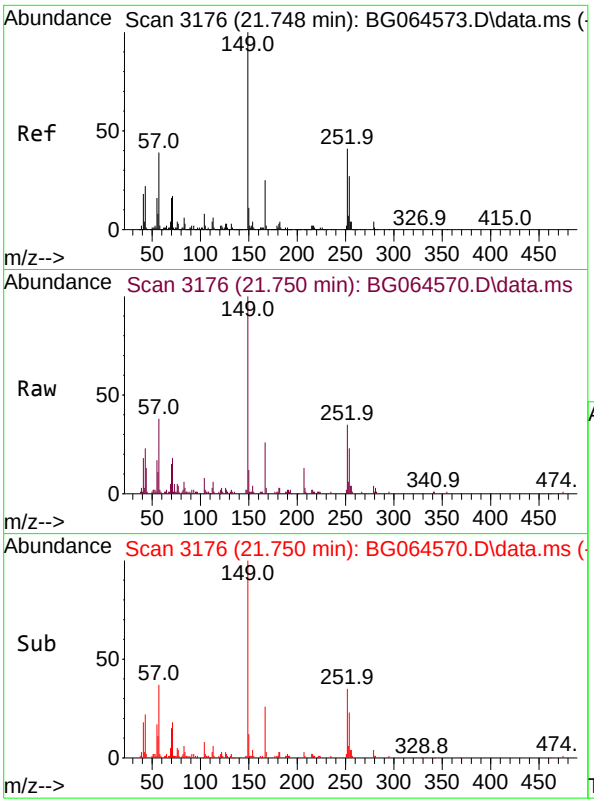


#83
Chrysene
Concen: 4.949 ng
RT: 21.903 min Scan# 3202
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:228 Resp: 119080

Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.3	34.9
229	20.1	15.2	22.8

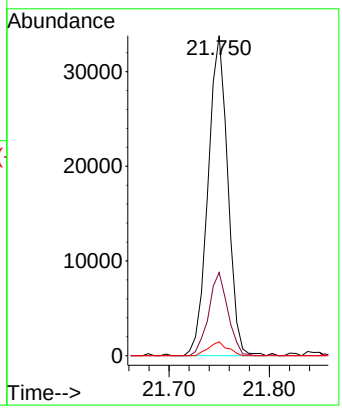




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.098 ng
RT: 21.750 min Scan# 3
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:149 Resp: 4611

Ion	Ratio	Lower	Upper
149	100		
167	26.0	20.0	30.0
279	4.3	3.1	4.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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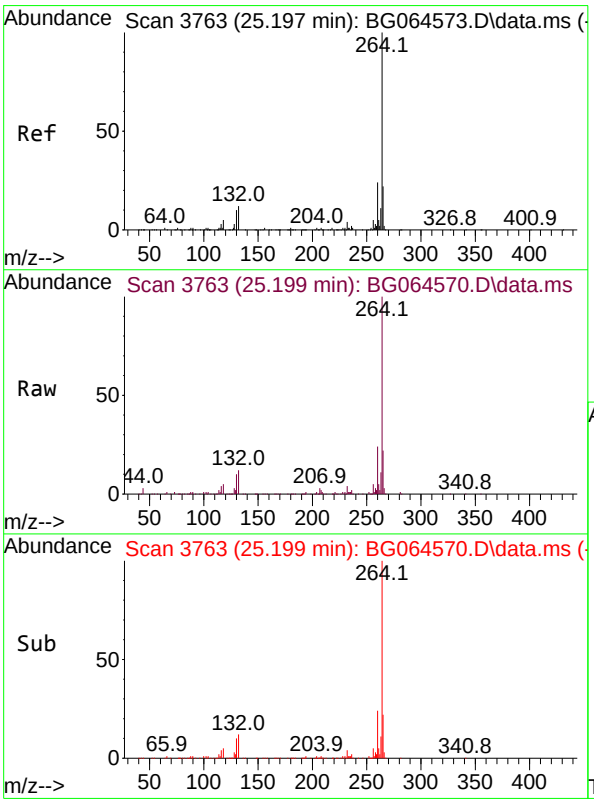
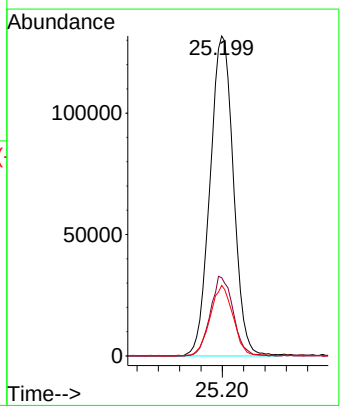
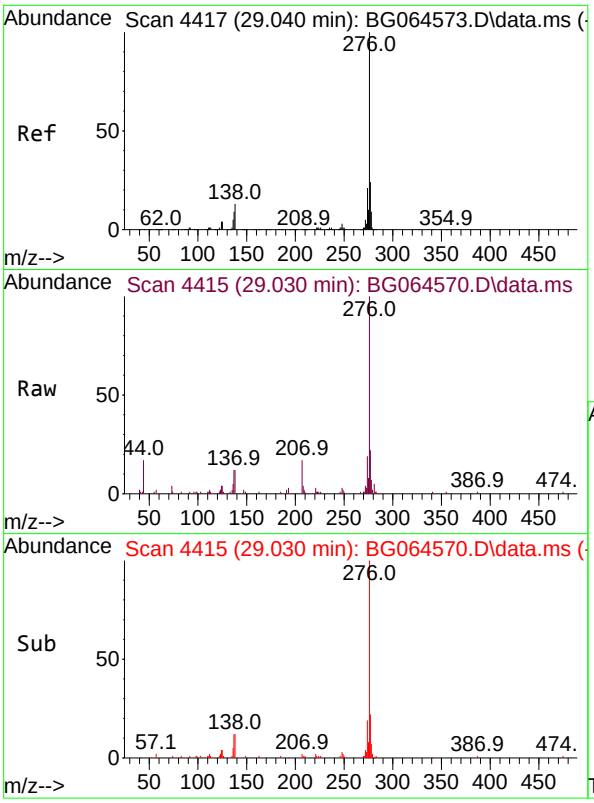


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.199 min Scan# 3763
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:264 Resp: 401350

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	22.1	17.6	26.4

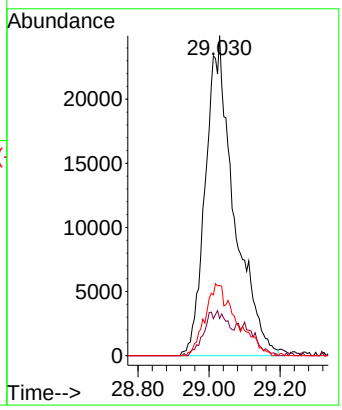




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.700 ng
RT: 29.030 min Scan# 44
Delta R.T. -0.031 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:276 Resp: 13875

Ion	Ratio	Lower	Upper
276	100		
138	0.0	10.8	16.2
277	24.6	20.1	30.1



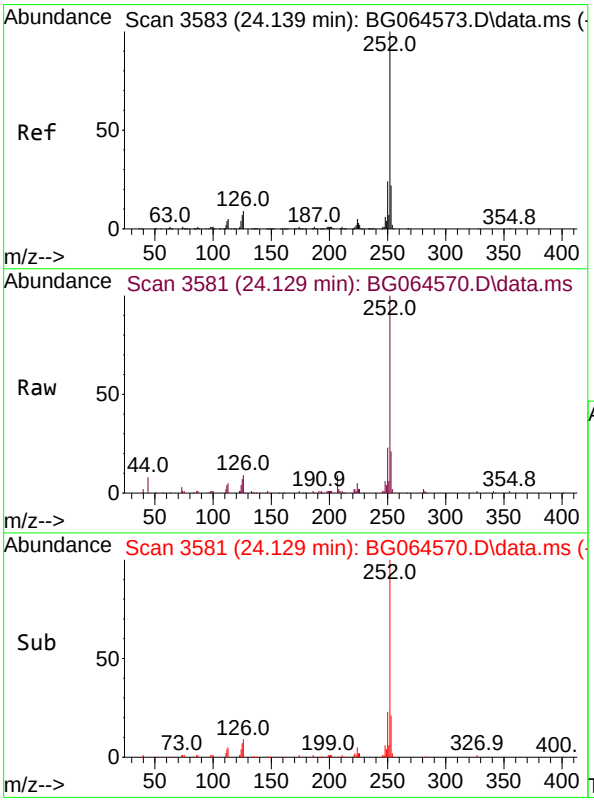
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

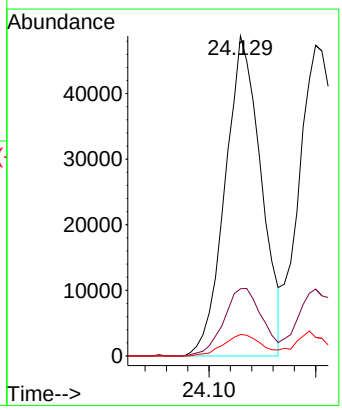
10/27/2025

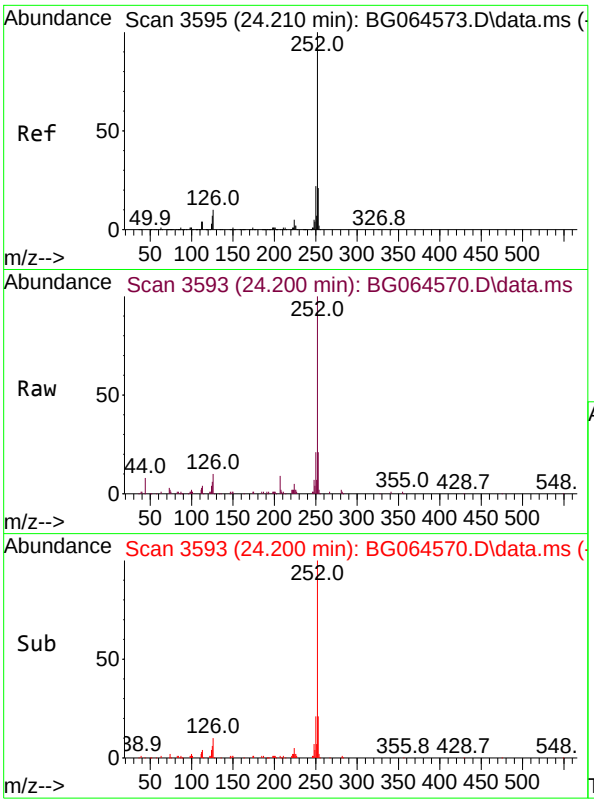


#88
Benzo(b)fluoranthene
Concen: 4.640 ng
RT: 24.129 min Scan# 3581
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:252 Resp: 114203

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.8	26.8
125	6.7	5.6	8.4

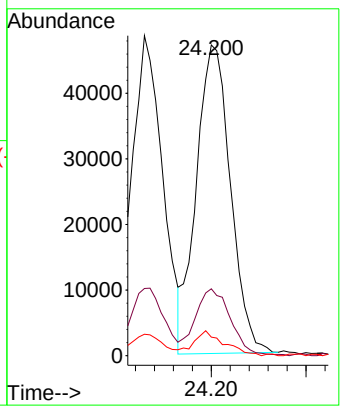




#89
Benzo(k)fluoranthene
Concen: 4.787 ng
RT: 24.200 min Scan# 3
Delta R.T. -0.019 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:252 Resp: 11789

Ion	Ratio	Lower	Upper
252	100		
253	21.5	16.8	25.2
125	6.0	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

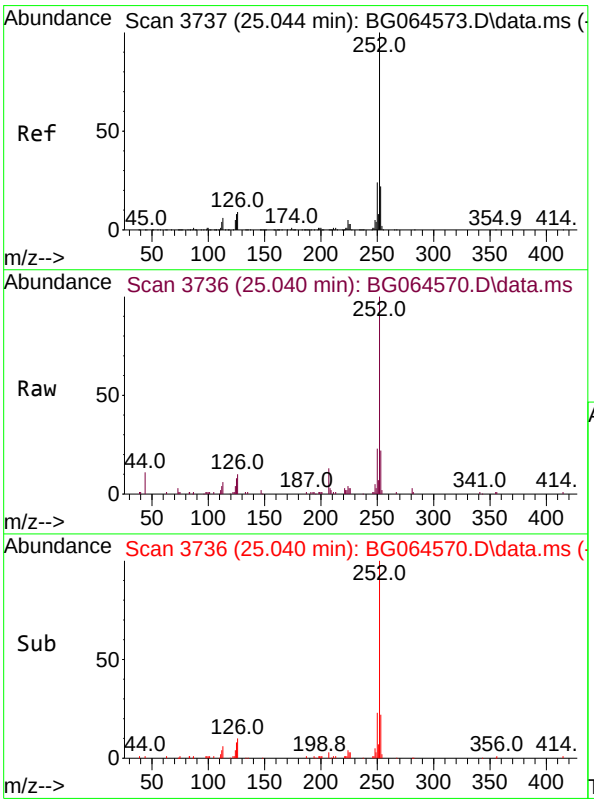
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

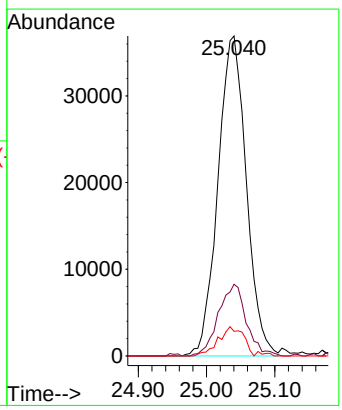
10/27/2025

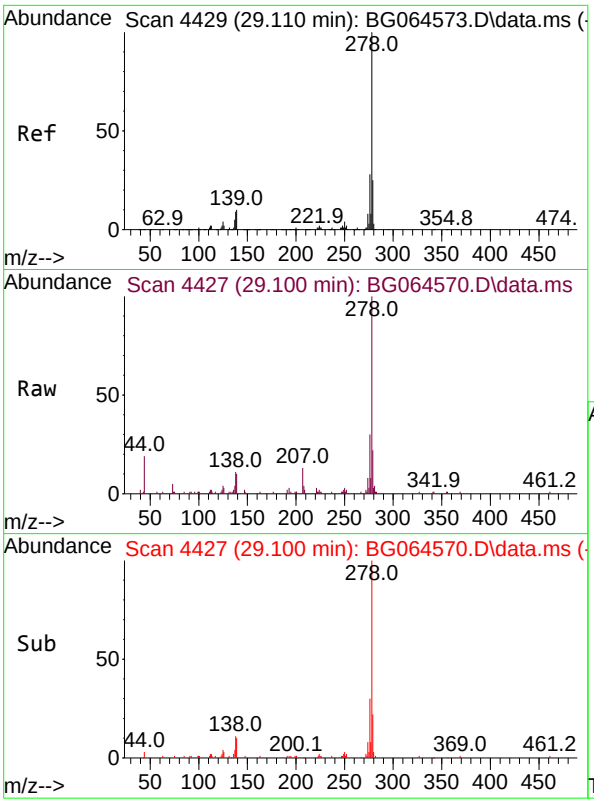


#90
Benzo(a)pyrene
Concen: 4.704 ng
RT: 25.040 min Scan# 3736
Delta R.T. -0.020 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:252 Resp: 106414

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	7.7	6.1	9.1

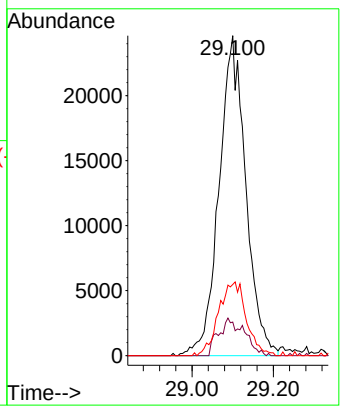




#91
Dibenzo(a,h)anthracene
Concen: 4.686 ng
RT: 29.100 min Scan# 44
Delta R.T. -0.037 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:278 Resp: 11239

Ion	Ratio	Lower	Upper
278	100		
139	10.5	8.0	12.0
279	22.2	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

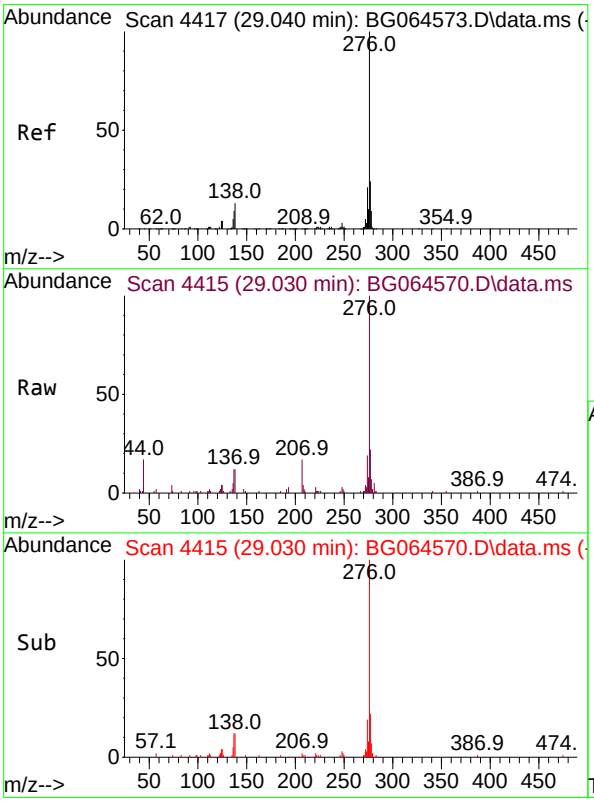
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

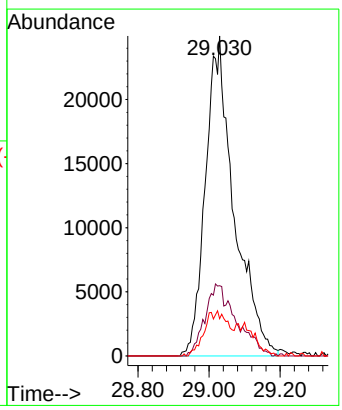
10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 4.700 ng
RT: 29.030 min Scan# 4415
Delta R.T. -0.031 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:276 Resp: 138758

Ion	Ratio	Lower	Upper
276	100		
277	21.9	19.2	28.8
138	11.6	10.7	16.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064571.D
Acq On : 24 Oct 2025 11:02
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:10:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.218	152	36324	20.000	ng		0.00
21) Naphthalene-d8	11.044	136	151627	20.000	ng		0.00
39) Acenaphthene-d10	14.839	164	117618	20.000	ng		0.00
64) Phenanthrene-d10	17.577	188	300549	20.000	ng		0.00
76) Chrysene-d12	21.855	240	343958	20.000	ng		0.00
86) Perylene-d12	25.198	264	354939	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.750	112	43837	20.257	ng		0.00
7) Phenol-d6	7.348	99	60084	20.233	ng		0.00
23) Nitrobenzene-d5	9.381	82	43376	17.182	ng		0.00
42) 2,4,6-Tribromophenol	16.314	330	31236	18.400	ng		0.00
45) 2-Fluorobiphenyl	13.470	172	163340	21.050	ng		0.00
79) Terphenyl-d14	20.168	244	385094	21.129	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.588	88	10545	11.006	ng		97
3) Pyridine	3.999	79	29199	10.148	ng		95
4) n-Nitrosodimethylamine	3.905	42	16561	10.733	ng	#	92
6) Aniline	7.530	93	42134	10.427	ng		97
8) 2-Chlorophenol	7.777	128	21922	9.678	ng		96
9) Benzaldehyde	7.342	77	17117	10.558	ng		94
10) Phenol	7.372	94	33058	10.066	ng		87
11) bis(2-Chloroethyl)ether	7.530	93	42134	10.427	ng		100
12) 1,3-Dichlorobenzene	8.112	146	27537	10.562	ng		98
13) 1,4-Dichlorobenzene	8.253	146	28081	10.593	ng		91
14) 1,2-Dichlorobenzene	8.576	146	27577	10.785	ng		96
15) Benzyl Alcohol	8.447	79	23263	9.500	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.741	45	65452	10.334	ng		97
17) 2-Methylphenol	8.441	107	12176	9.947	ng		91
18) Hexachloroethane	9.322	117	9723	10.452	ng		93
19) n-Nitroso-di-n-propyla...	9.017	70	20724	10.098	ng	#	98
20) 3+4-Methylphenols	8.970	107	30009	9.786	ng		95
22) Acetophenone	9.040	105	42851	10.338	ng	#	93
24) Nitrobenzene	9.422	77	23618	8.602	ng		98
25) Isophorone	9.951	82	60347	9.962	ng		98
26) 2-Nitrophenol	10.139	139	7208	9.491	ng	#	91
27) 2,4-Dimethylphenol	10.192	122	22259	9.685	ng		96
28) bis(2-Chloroethoxy)met...	10.433	93	35170	10.197	ng		98
29) 2,4-Dichlorophenol	10.680	162	22643	9.338	ng		94
30) 1,2,4-Trichlorobenzene	10.903	180	27947	10.143	ng		93
31) Naphthalene	11.097	128	86750	10.319	ng		99
32) Benzoic acid	10.245	122	7890m	11.001	ng		
33) 4-Chloroaniline	11.185	127	34581	10.583	ng		97
34) Hexachlorobutadiene	11.390	225	22099	10.256	ng		95
35) Caprolactam	11.931	113	8521	9.162	ng		92
36) 4-Chloro-3-methylphenol	12.289	107	28904	9.916	ng		98
37) 2-Methylnaphthalene	12.689	142	65070	10.543	ng		95
38) 1-Methylnaphthalene	12.906	142	64384	10.601	ng		95
40) 1,2,4,5-Tetrachloroben...	13.053	216	40253	10.197	ng		98
41) Hexachlorocyclopentadiene	13.036	237	15733	8.855	ng		97
43) 2,4,6-Trichlorophenol	13.276	196	19584	8.673	ng		91

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064571.D
Acq On : 24 Oct 2025 11:02
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Quant Time: Oct 24 17:10:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.341	196	24973	9.584	ng		94
46) 1,1'-Biphenyl	13.682	154	85287	10.200	ng		96
47) 2-Chloronaphthalene	13.723	162	63631	10.081	ng		98
48) 2-Nitroaniline	13.905	65	13764	9.284	ng		91
49) Acenaphthylene	14.563	152	101526	10.198	ng		100
50) Dimethylphthalate	14.281	163	92308	10.256	ng		96
51) 2,6-Dinitrotoluene	14.393	165	10601	9.857	ng		87
52) Acenaphthene	14.904	154	69273	10.184	ng		97
53) 3-Nitroaniline	14.722	138	12414	8.026	ng	#	92
54) 2,4-Dinitrophenol	14.922	184	5082	10.760	ng	#	1
55) Dibenzofuran	15.239	168	115990	10.548	ng		97
56) 4-Nitrophenol	15.010	139	11207	7.815	ng		86
57) 2,4-Dinitrotoluene	15.174	165	15797	9.494	ng	#	94
58) Fluorene	15.879	166	91712	10.679	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.450	232	22645	9.088	ng	#	99
60) Diethylphthalate	15.644	149	96719	10.525	ng		98
61) 4-Chlorophenyl-phenyle...	15.873	204	50818	10.544	ng		97
62) 4-Nitroaniline	15.873	138	14819	8.612	ng		95
63) Azobenzene	16.161	77	88441	10.489	ng		97
65) 4,6-Dinitro-2-methylph...	15.938	198	8190	10.919	ng		86
66) n-Nitrosodiphenylamine	16.079	169	82787	10.197	ng		99
67) 4-Bromophenyl-phenylether	16.767	248	35433	9.949	ng		96
68) Hexachlorobenzene	16.884	284	39975	9.838	ng		94
69) Atrazine	17.019	200	34185	9.785	ng		99
70) Pentachlorophenol	17.225	266	19859	7.838	ng		96
71) Phenanthrene	17.618	178	170294	10.361	ng		99
72) Anthracene	17.712	178	171860	10.279	ng		98
73) Carbazole	17.965	167	155907	10.575	ng		99
74) Di-n-butylphthalate	18.529	149	173716	10.189	ng		99
75) Fluoranthene	19.616	202	219838	10.677	ng		98
77) Benzidine	19.781	184	67427	8.750	ng		99
78) Pyrene	19.975	202	228905	10.186	ng		99
80) Butylbenzylphthalate	20.850	149	61669	9.080	ng		94
81) Benzo(a)anthracene	21.831	228	233051	10.219	ng		99
82) 3,3'-Dichlorobenzidine	21.737	252	71951	9.448	ng		94
83) Chrysene	21.902	228	222018	10.231	ng		97
84) Bis(2-ethylhexyl)phtha...	21.749	149	95500	9.410	ng	#	99
85) Di-n-octyl phthalate	23.012	149	149877	8.759	ng		99
87) Indeno(1,2,3-cd)pyrene	29.023	276	264547	10.132	ng		93
88) Benzo(b)fluoranthene	24.128	252	221197	10.163	ng		98
89) Benzo(k)fluoranthene	24.199	252	223674	10.270	ng		98
90) Benzo(a)pyrene	25.033	252	202985	10.146	ng		98
91) Dibenzo(a,h)anthracene	29.099	278	217114	10.235	ng		99
92) Benzo(g,h,i)perylene	29.023	276	264547	10.132	ng		97

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

ICAL Form

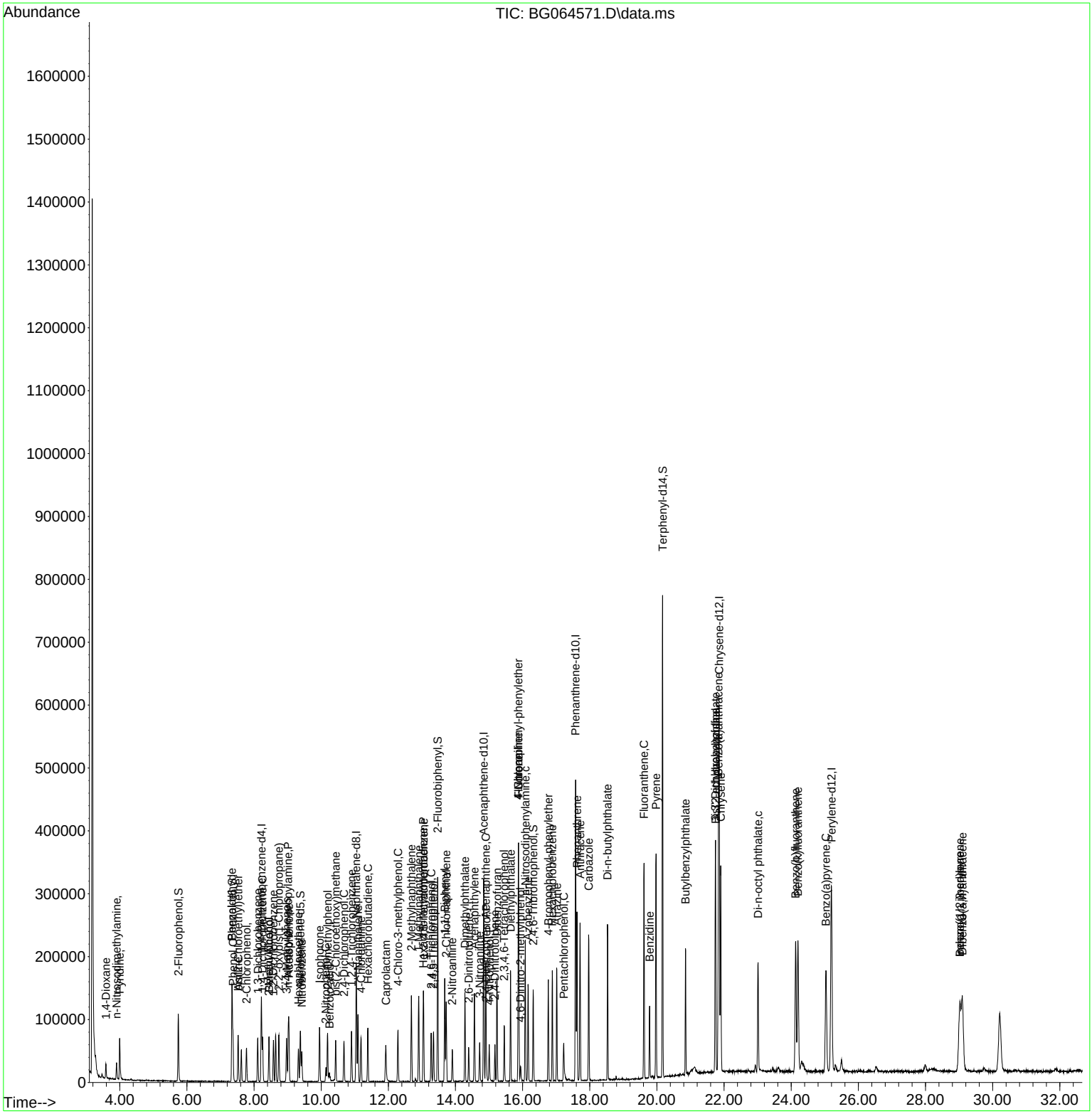
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064571.D
Acq On : 24 Oct 2025 11:02
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

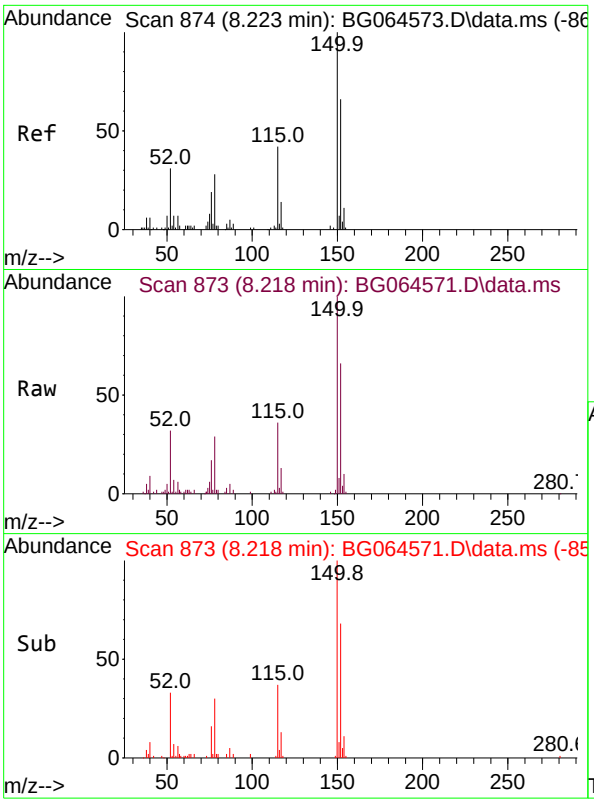
Quant Time: Oct 24 17:10:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

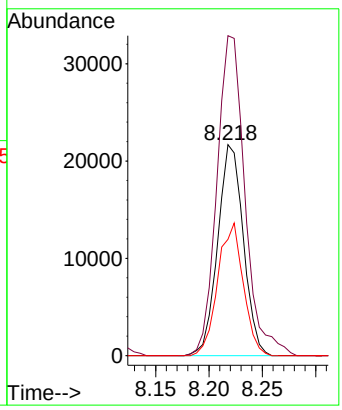




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:152 Resp: 3632

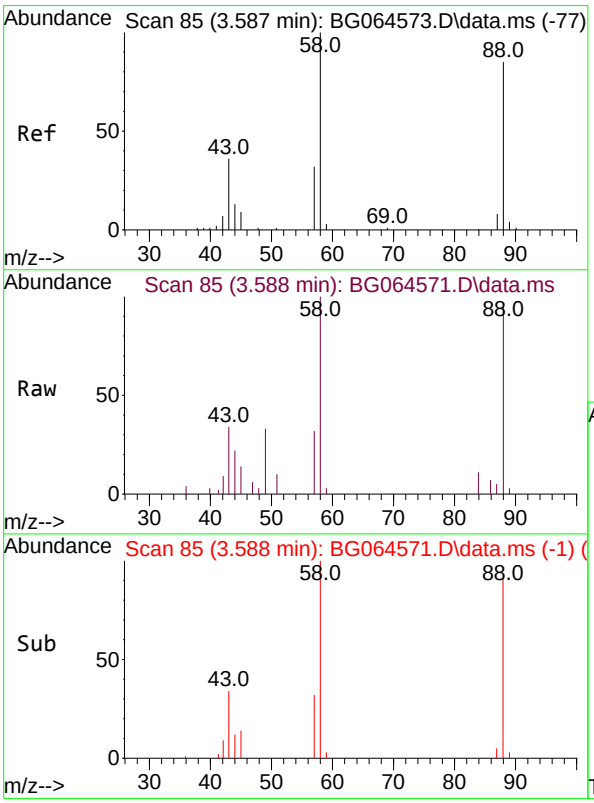
Ion	Ratio	Lower	Upper
152	100		
150	151.7	122.2	183.4
115	55.1	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

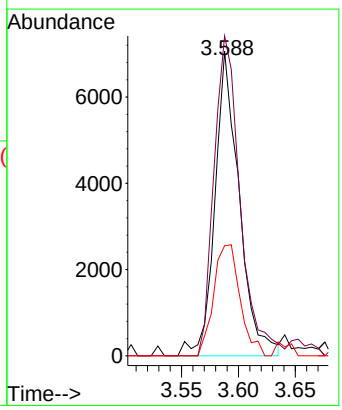
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

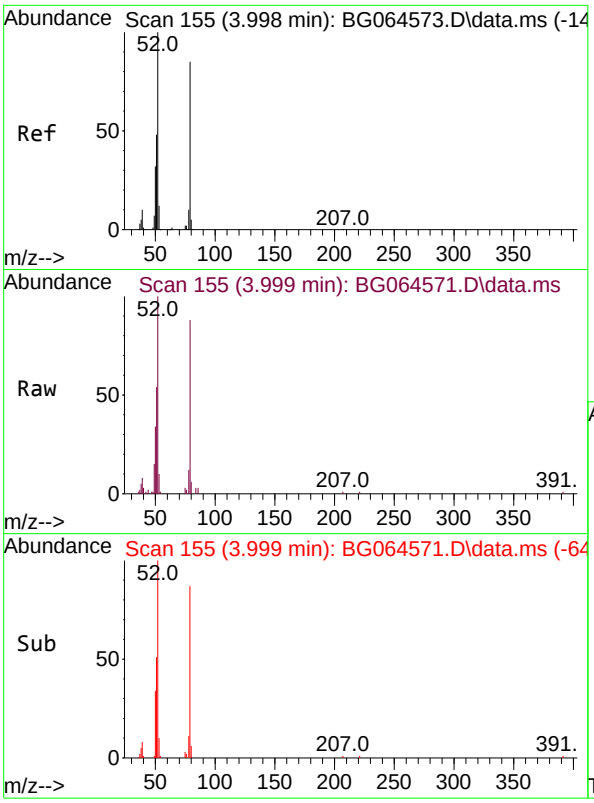


#2
1,4-Dioxane
Concen: 11.006 ng
RT: 3.588 min Scan# 85
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 88 Resp: 10545

Ion	Ratio	Lower	Upper
88	100		
58	112.0	92.4	138.6
43	39.4	33.0	49.6

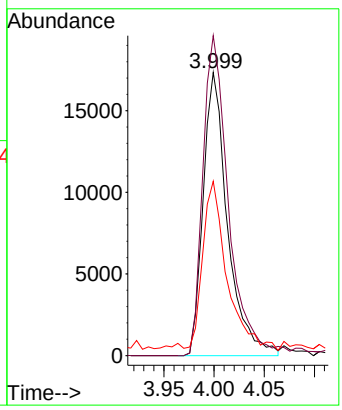




#3
Pyridine
Concen: 10.148 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 79 Resp: 2919

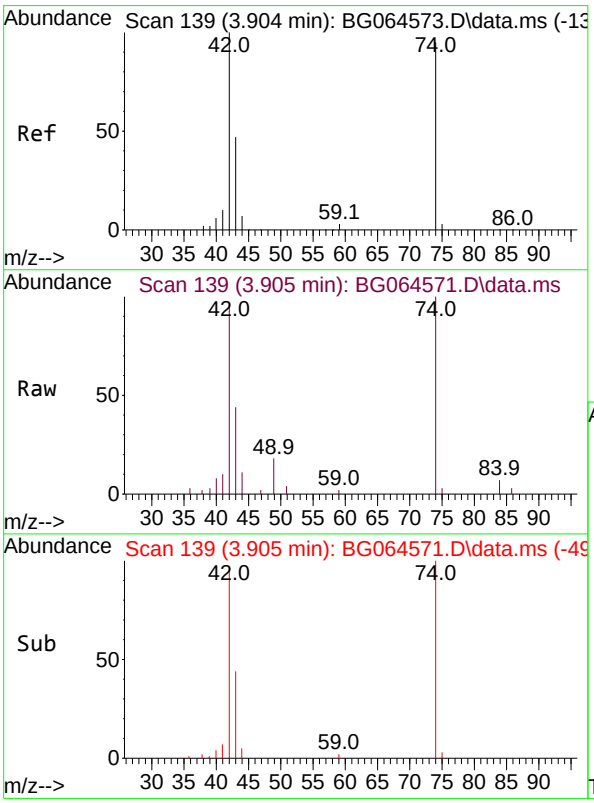
Ion	Ratio	Lower	Upper
79	100		
52	113.0	94.2	141.2
51	61.6	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

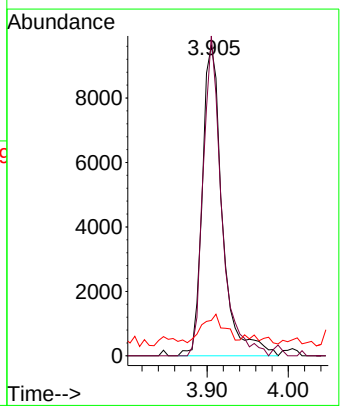
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

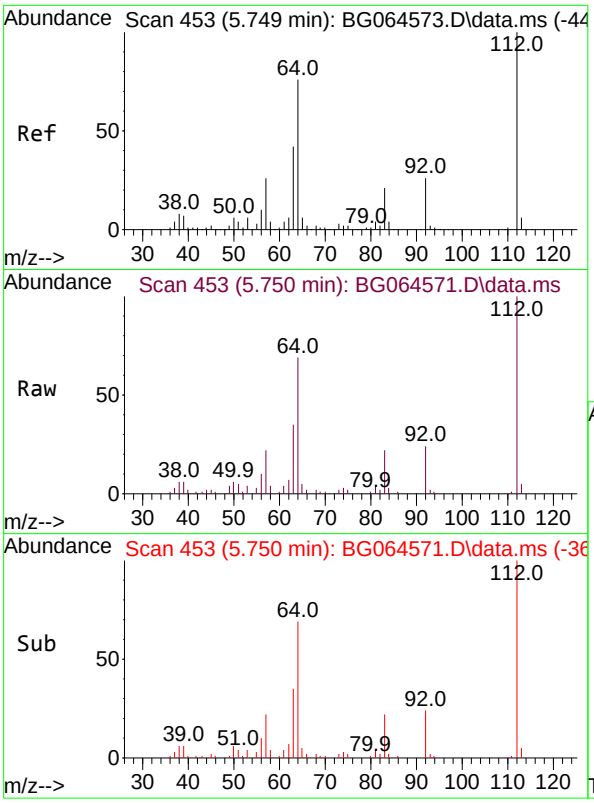


#4
n-Nitrosodimethylamine
Concen: 10.733 ng
RT: 3.905 min Scan# 139
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 42 Resp: 16561

Ion	Ratio	Lower	Upper
42	100		
74	103.1	76.1	114.1
44	11.4	6.3	9.5#

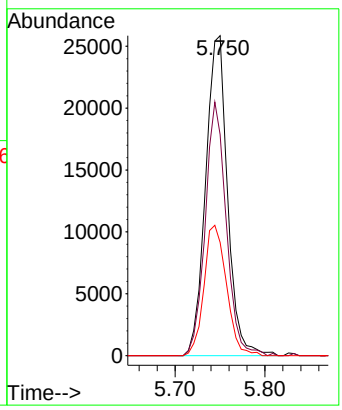




#5
2-Fluorophenol
Concen: 20.257 ng
RT: 5.750 min Scan# 4
Delta R.T. 0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:112 Resp: 4383

Ion	Ratio	Lower	Upper
112	100		
64	69.1	60.7	91.1
63	35.4	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
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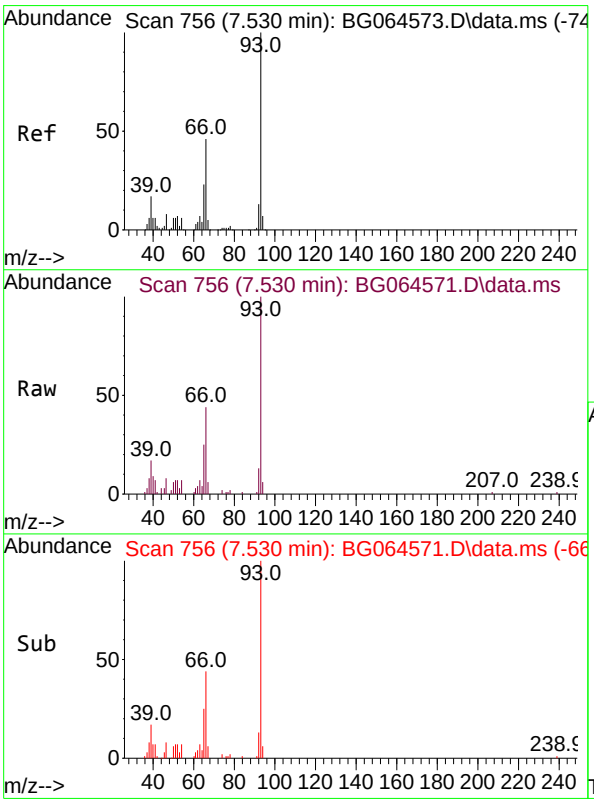
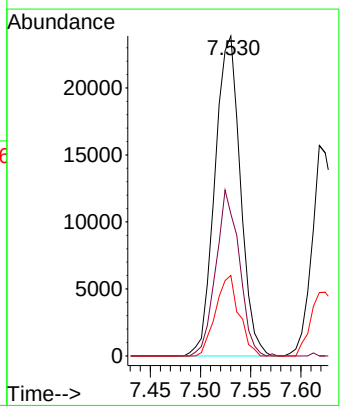
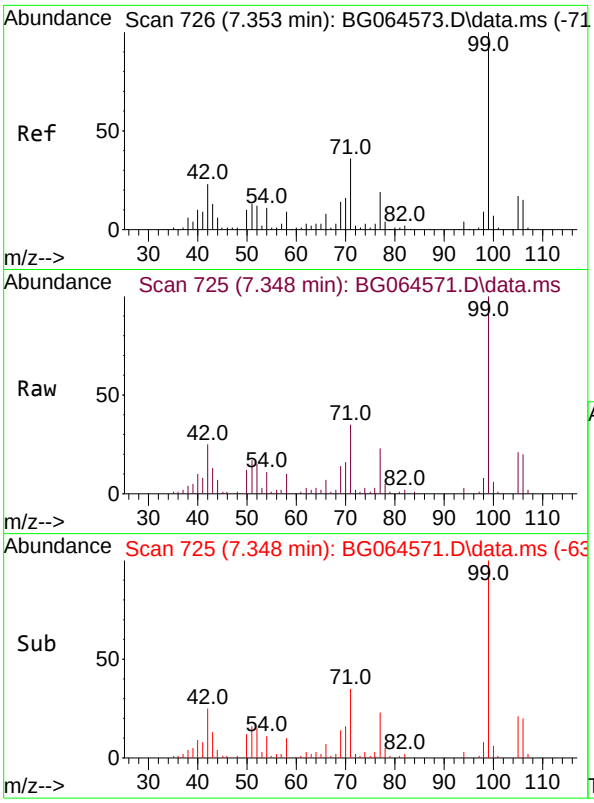


#6
Aniline
Concen: 10.427 ng
RT: 7.530 min Scan# 756
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 93 Resp: 42134

Ion	Ratio	Lower	Upper
93	100		
66	44.4	37.0	55.6
65	25.1	18.3	27.5

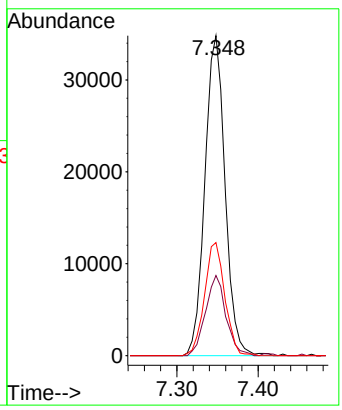




#7
Phenol-d6
Concen: 20.233 ng
RT: 7.348 min Scan# 7
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 99 Resp: 6008

Ion	Ratio	Lower	Upper
99	100		
42	25.0	18.3	27.5
71	35.3	28.6	43.0



Instrument :
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ClientSampleId :
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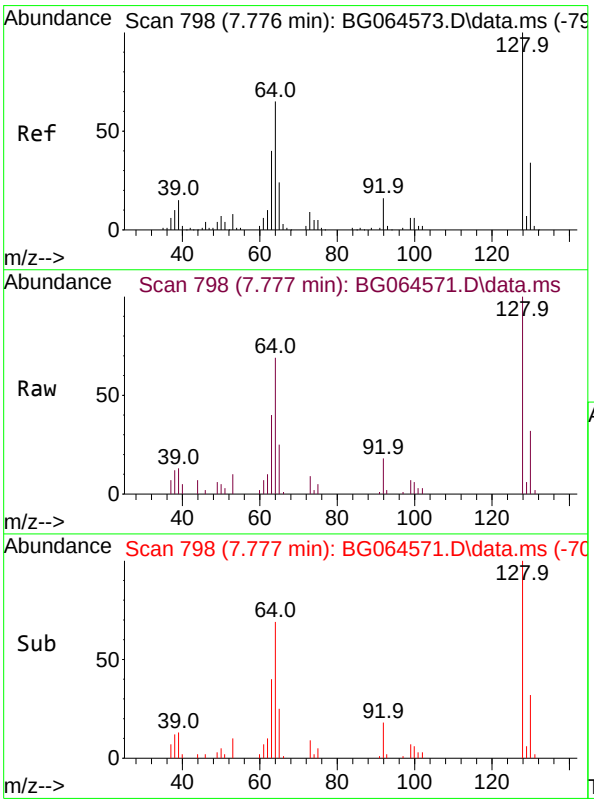
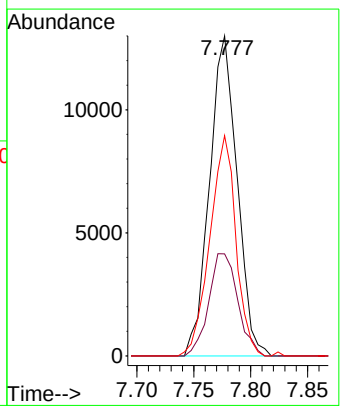
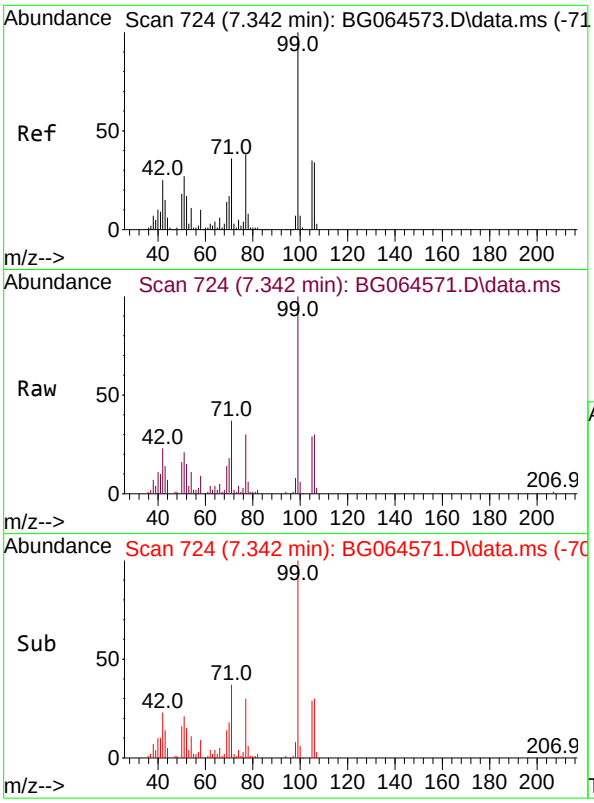


#8
2-Chlorophenol
Concen: 9.678 ng
RT: 7.777 min Scan# 798
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:128 Resp: 21922

Ion	Ratio	Lower	Upper
128	100		
130	31.9	13.5	53.5
64	68.8	45.2	85.2

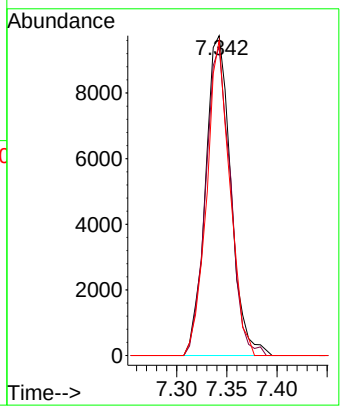




#9
Benzaldehyde
Concen: 10.558 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 77 Resp: 1711

Ion	Ratio	Lower	Upper
77	100		
105	96.5	72.9	112.9
106	98.4	70.8	110.8



Instrument :
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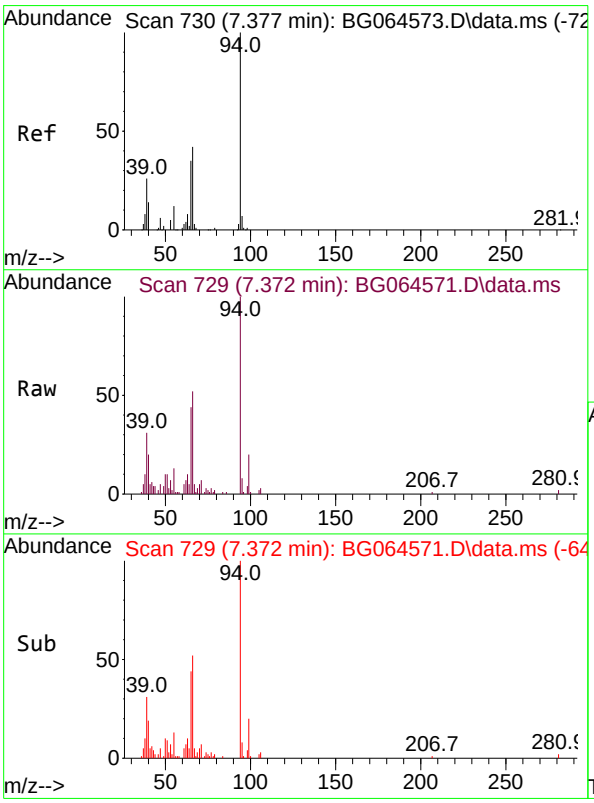
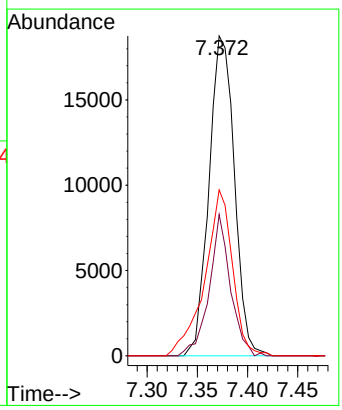
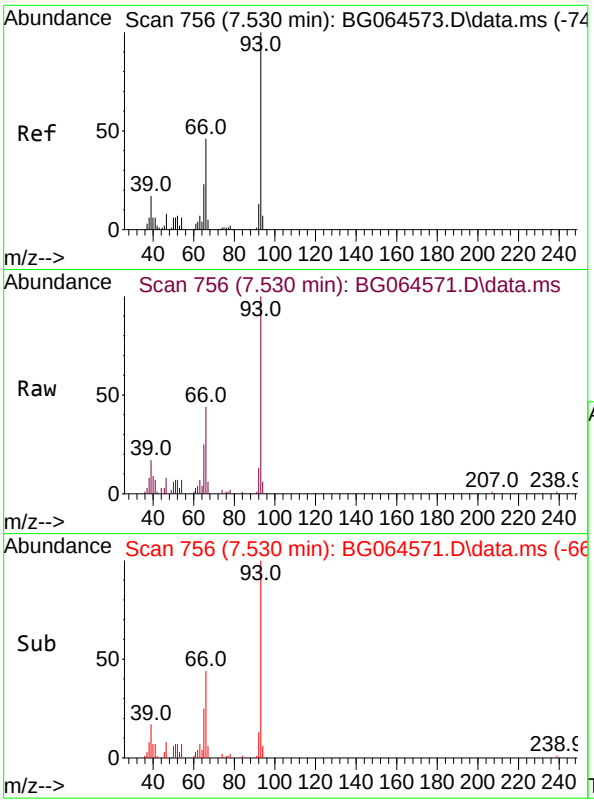


#10
Phenol
Concen: 10.066 ng
RT: 7.372 min Scan# 729
Delta R.T. -0.015 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 94 Resp: 33058

Ion	Ratio	Lower	Upper
94	100		
65	44.2	15.8	55.8
66	51.9	24.0	64.0

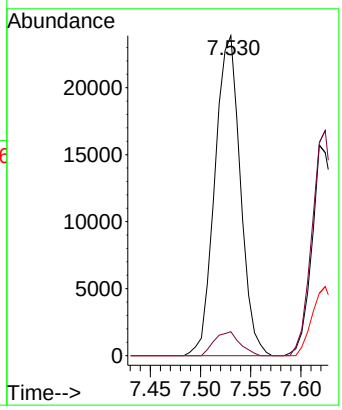




#11
bis(2-Chloroethyl)ether
Concen: 10.427 ng
RT: 7.530 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 93 Resp: 4213

Ion	Ratio	Lower	Upper
93	100		
63	7.5	0.0	27.4
95	0.0	0.0	20.2



Instrument :
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ClientSampleId :
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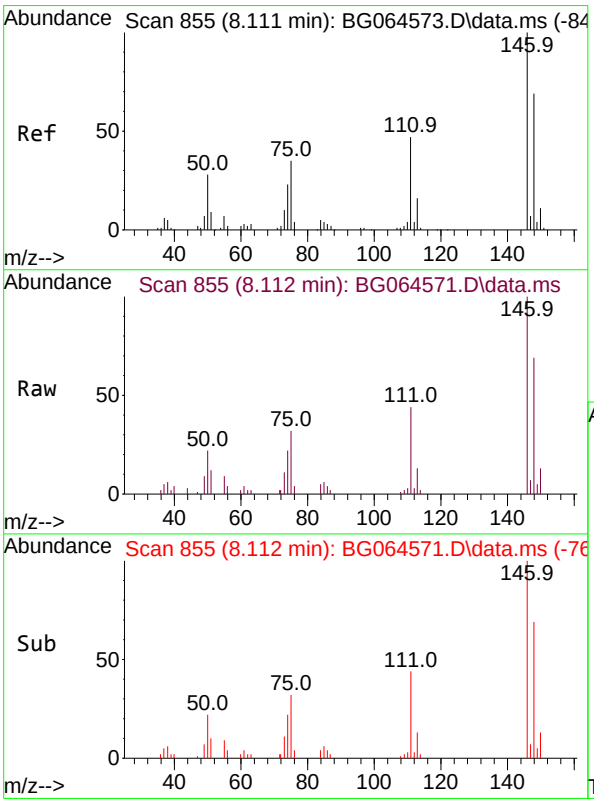
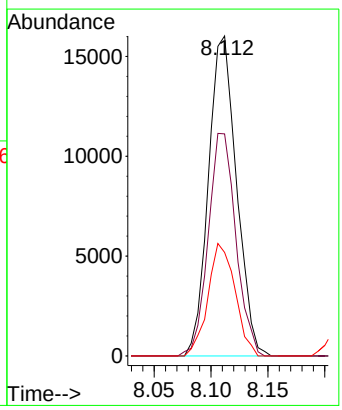
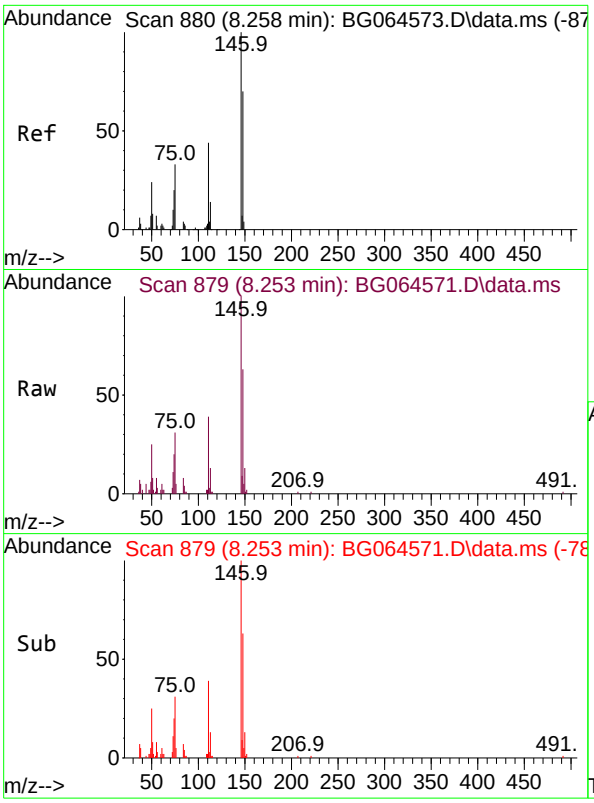


#12
1,3-Dichlorobenzene
Concen: 10.562 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:146 Resp: 27537

Ion	Ratio	Lower	Upper
146	100		
148	69.4	55.3	82.9
75	32.3	28.2	42.2





#13
1,4-Dichlorobenzene
Concen: 10.593 ng
RT: 8.253 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:146 Resp: 2808

Ion	Ratio	Lower	Upper
146	100		
148	62.8	56.2	84.4
111	39.3	35.4	53.0

Instrument :
BNA_G
ClientSampleId :
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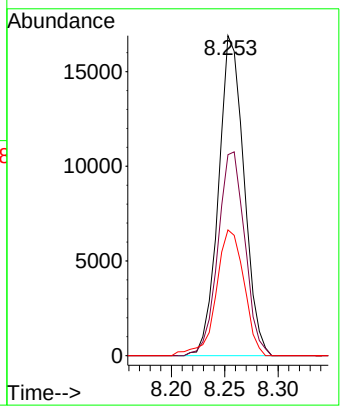
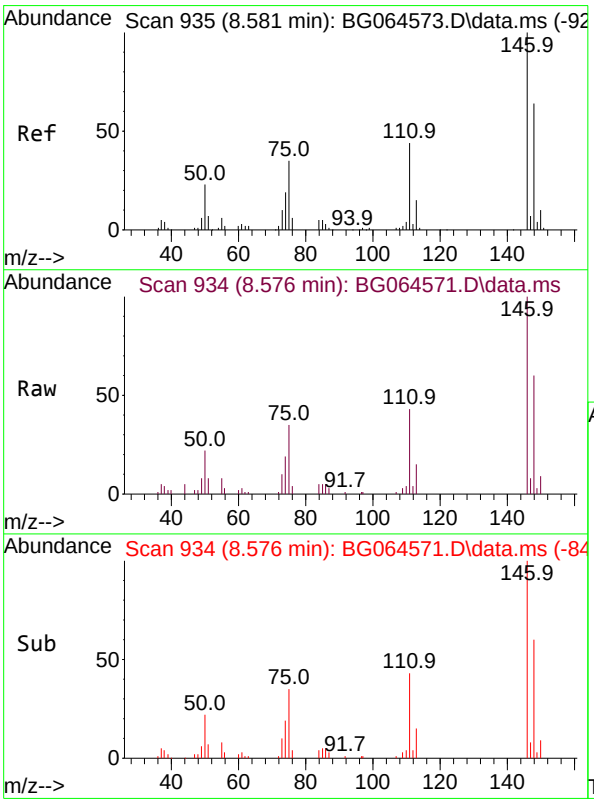
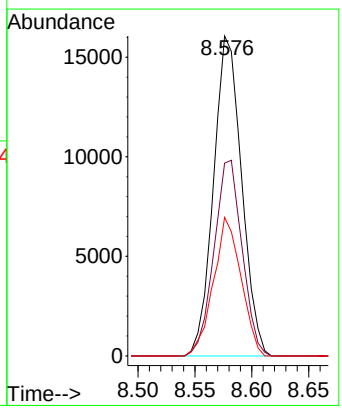


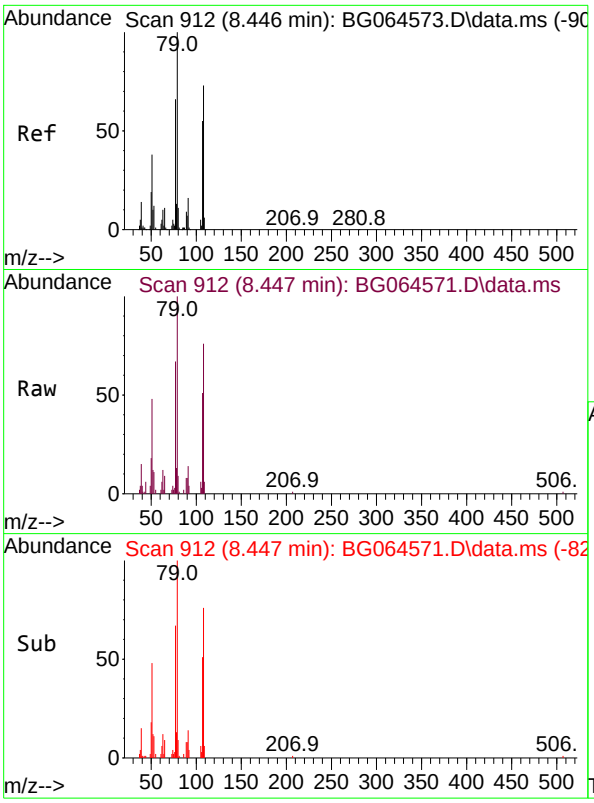


#14
1,2-Dichlorobenzene
Concen: 10.785 ng
RT: 8.576 min Scan# 934
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:146 Resp: 27577

Ion	Ratio	Lower	Upper
146	100		
148	60.2	51.5	77.3
111	43.3	35.0	52.6

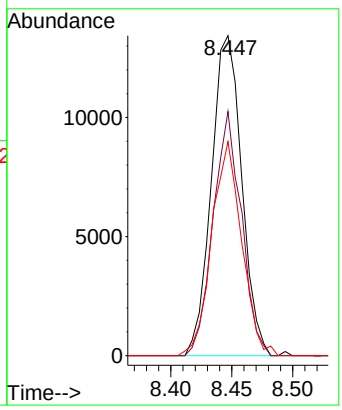




#15
Benzyl Alcohol
Concen: 9.500 ng
RT: 8.447 min Scan# 91
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 79 Resp: 2326

Ion	Ratio	Lower	Upper
79	100		
108	76.3	58.1	87.1
77	66.9	52.8	79.2



Instrument :
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ClientSampleId :
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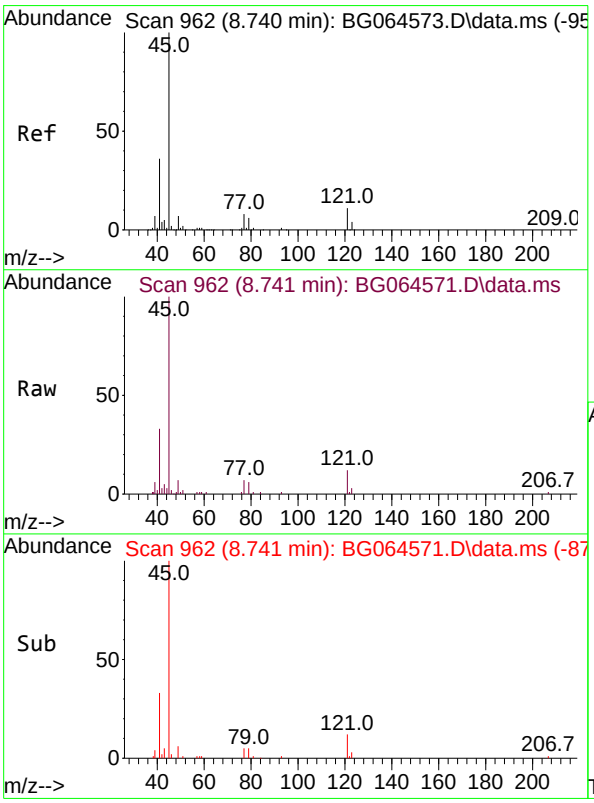
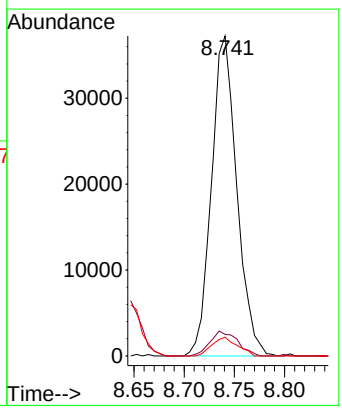
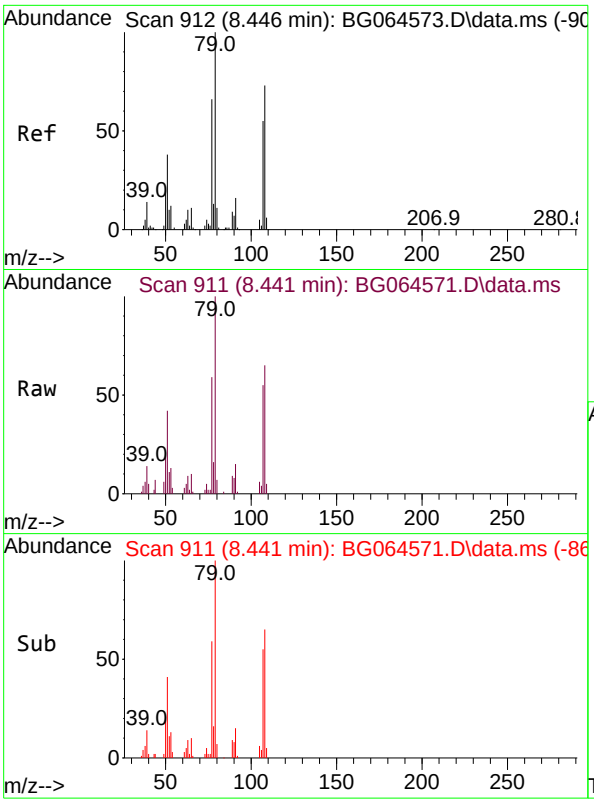


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.334 ng
RT: 8.741 min Scan# 962
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 45 Resp: 65452

Ion	Ratio	Lower	Upper
45	100		
77	6.7	0.0	28.5
79	5.8	0.0	25.6

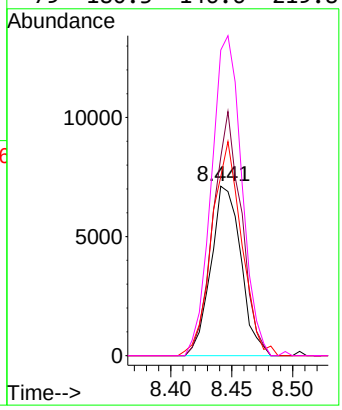




#17
2-Methylphenol
Concen: 9.947 ng
RT: 8.441 min Scan# 91
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:107 Resp: 1217

Ion	Ratio	Lower	Upper
107	100		
108	117.1	106.4	159.6
77	105.6	96.7	145.1
79	180.3	146.6	219.8



Instrument :
BNA_G
ClientSampleId :
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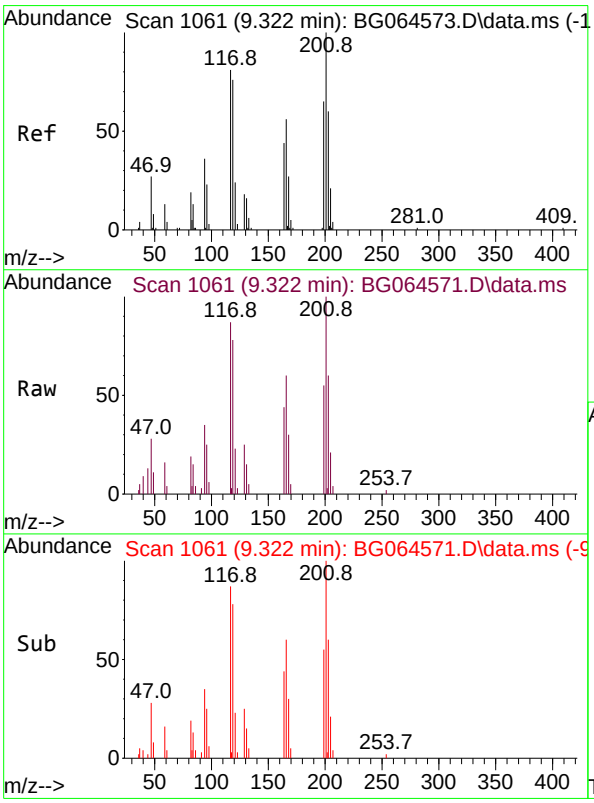
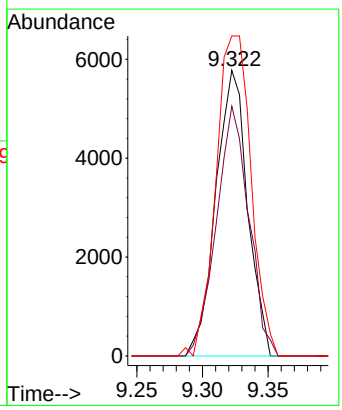
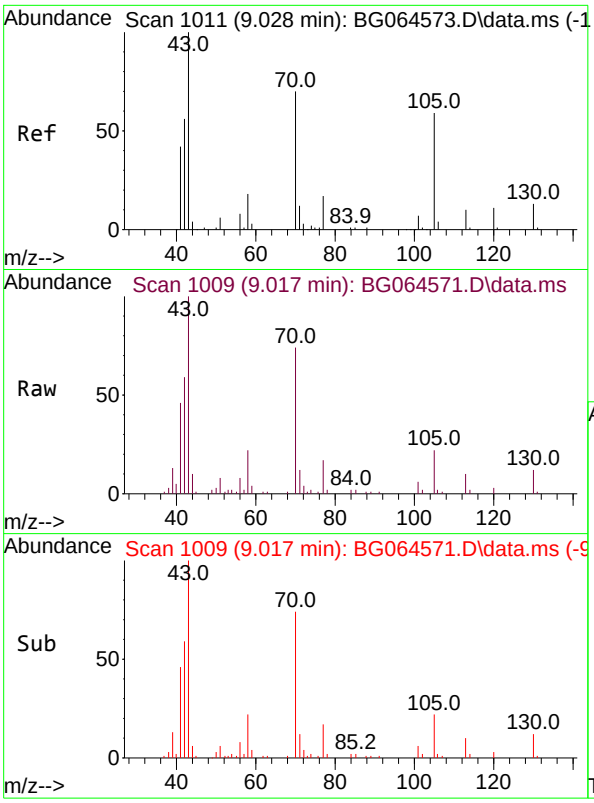


#18
Hexachloroethane
Concen: 10.452 ng
RT: 9.322 min Scan# 1061
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:117 Resp: 9723

Ion	Ratio	Lower	Upper
117	100		
119	87.5	75.4	113.2
201	115.2	99.2	148.8

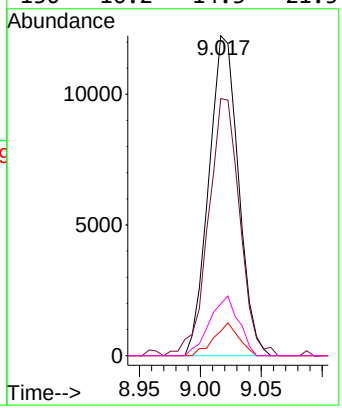




#19
n-Nitroso-di-n-propylamine
Concen: 10.098 ng
RT: 9.017 min Scan# 10
Delta R.T. -0.015 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 70 Resp: 2072

Ion	Ratio	Lower	Upper
70	100		
42	80.3	65.2	97.8
101	7.6	7.9	11.9#
130	16.2	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
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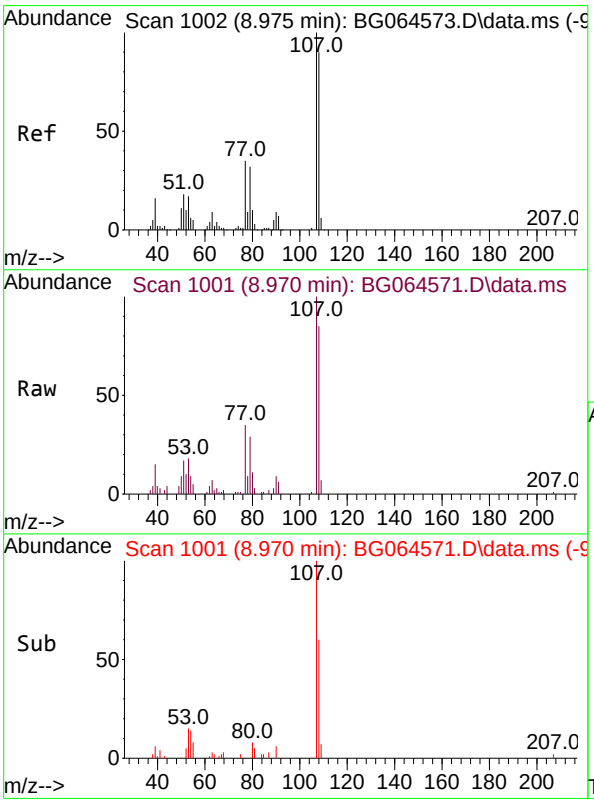
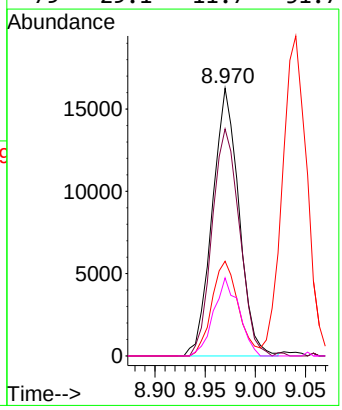
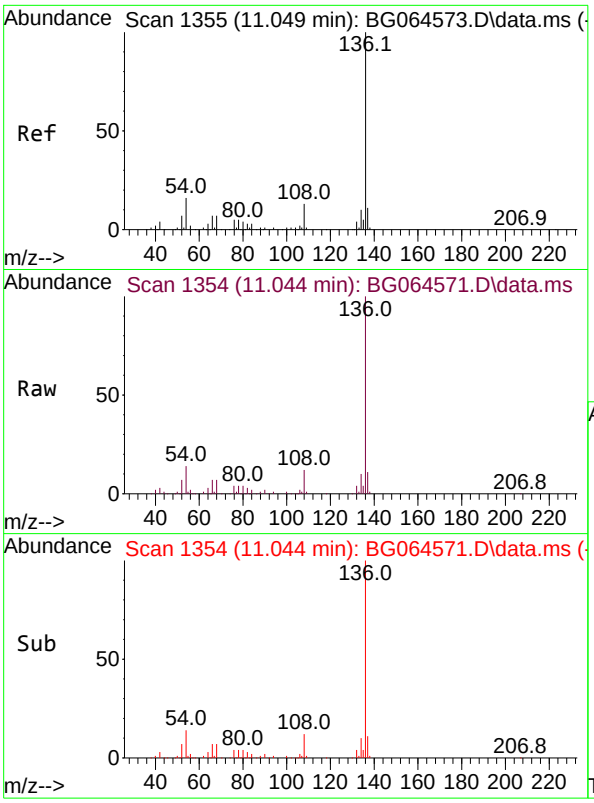


#20
3+4-Methylphenols
Concen: 9.786 ng
RT: 8.970 min Scan# 1001
Delta R.T. -0.015 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:107 Resp: 30009

Ion	Ratio	Lower	Upper
107	100		
108	84.8	70.3	110.3
77	35.4	14.6	54.6
79	29.1	11.7	51.7

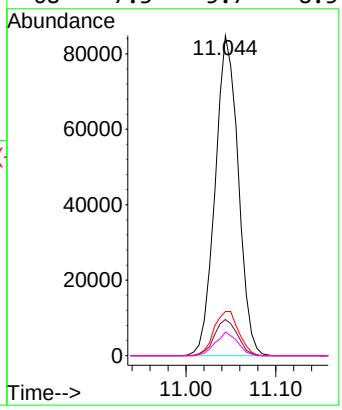




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:136 Resp: 15162

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	13.8	12.6	19.0
68	7.3	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
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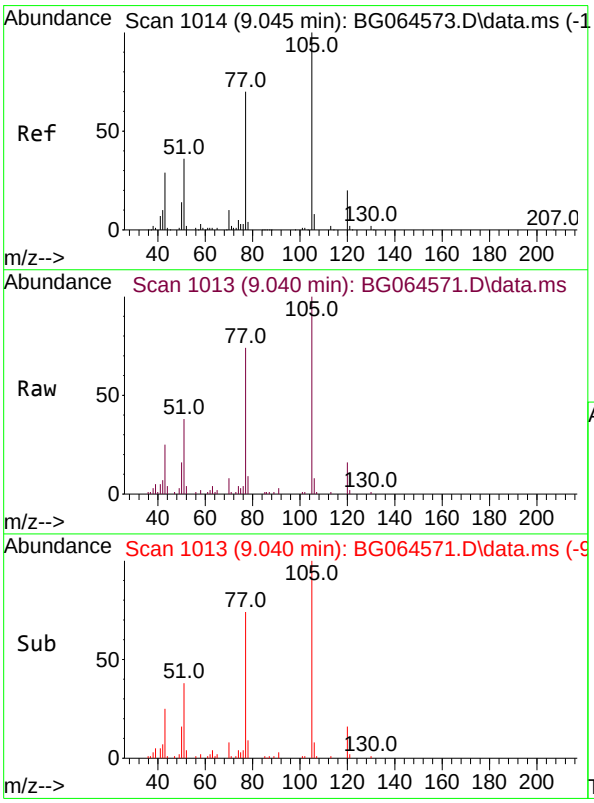
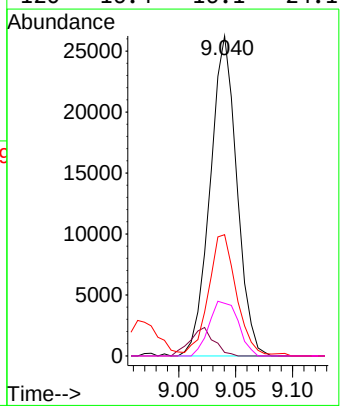
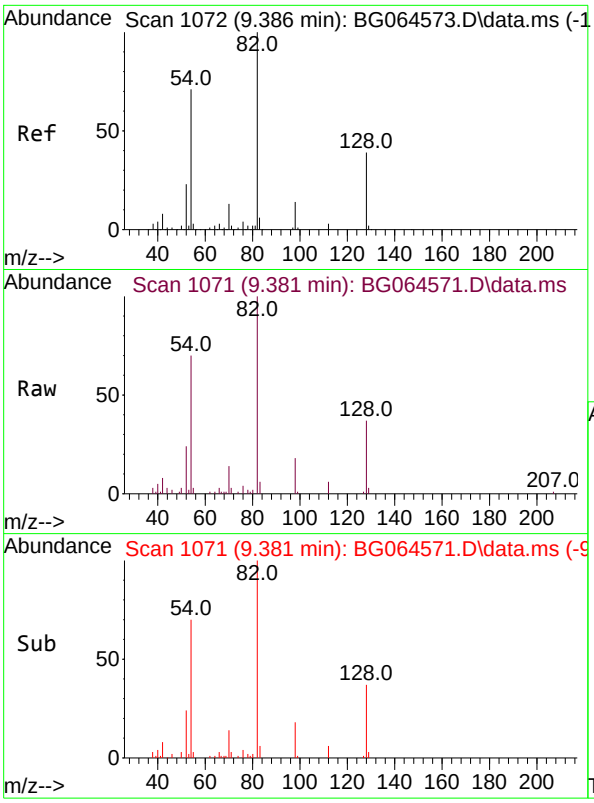


#22
Acetophenone
Concen: 10.338 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:105 Resp: 42851

Ion	Ratio	Lower	Upper
105	100		
71	1.1	1.5	2.3#
51	37.9	33.7	50.5
120	16.4	16.1	24.1

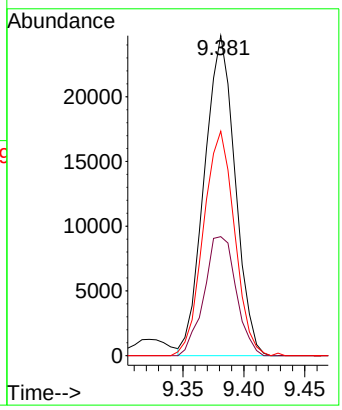




#23
Nitrobenzene-d5
Concen: 17.182 ng
RT: 9.381 min Scan# 10
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 82 Resp: 4337

Ion	Ratio	Lower	Upper
82	100		
128	37.2	31.3	46.9
54	70.1	56.6	84.8



Instrument :
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ClientSampleId :
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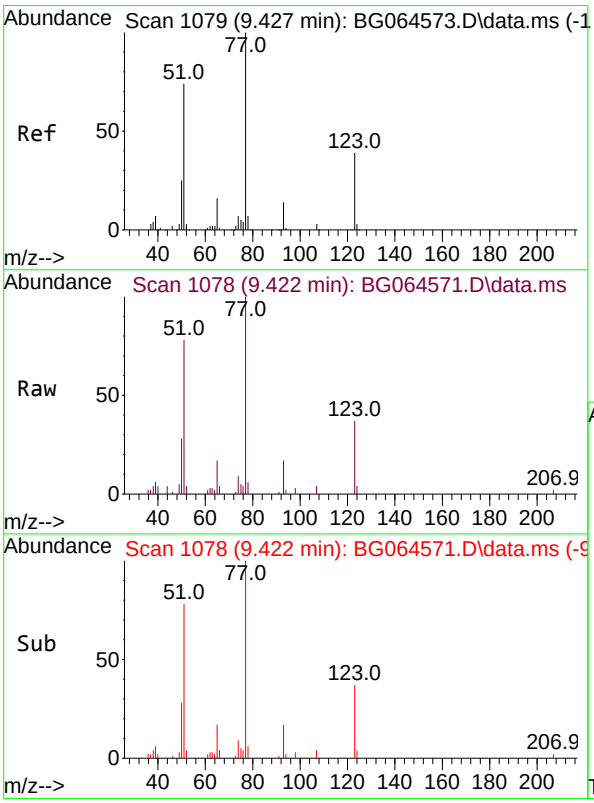
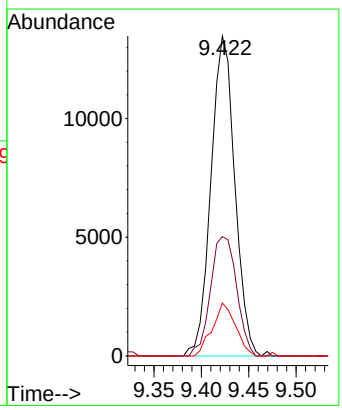
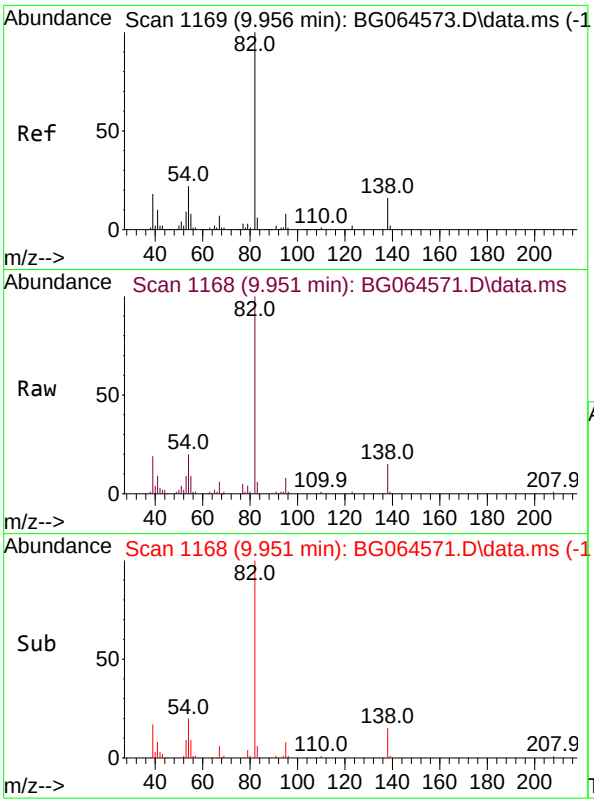


#24
Nitrobenzene
Concen: 8.602 ng
RT: 9.422 min Scan# 1078
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 77 Resp: 23618

Ion	Ratio	Lower	Upper
77	100		
123	37.3	31.0	46.6
65	16.5	12.7	19.1

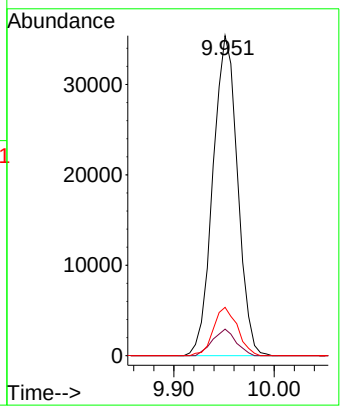




#25
Isophorone
Concen: 9.962 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.015 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 82 Resp: 6034

Ion	Ratio	Lower	Upper
82	100		
95	8.3	6.1	9.1
138	15.1	13.0	19.4



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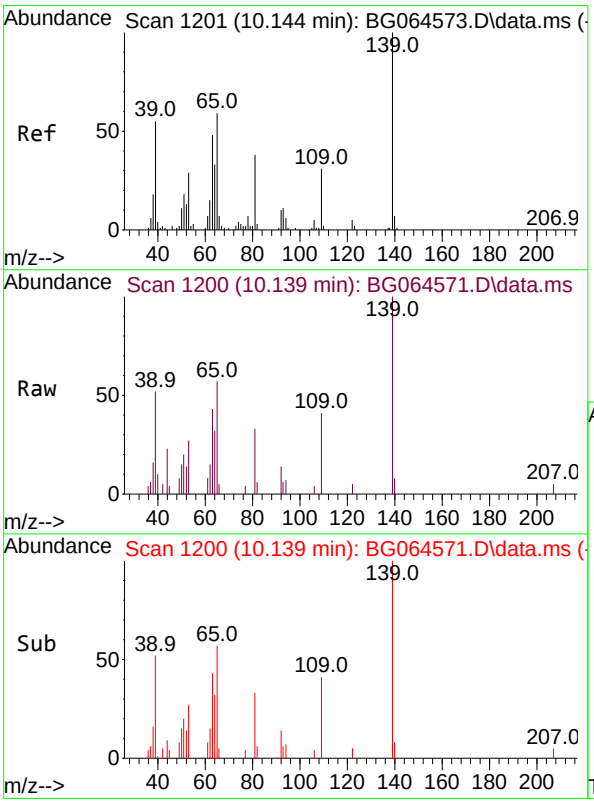
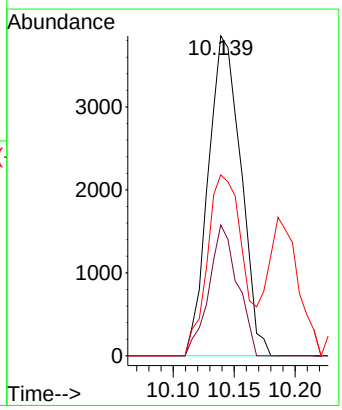
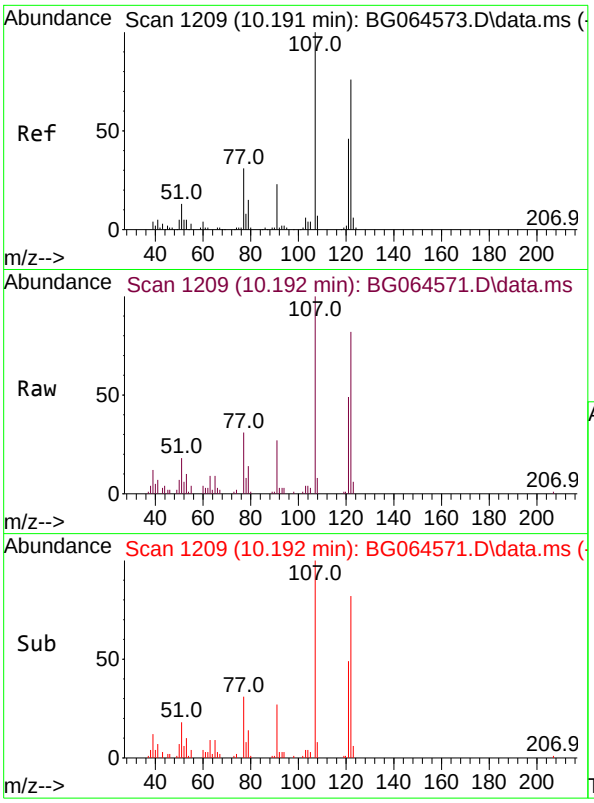


#26
2-Nitrophenol
Concen: 9.491 ng
RT: 10.139 min Scan# 1200
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:139 Resp: 7208

Ion	Ratio	Lower	Upper
139	100		
109	40.9	24.6	37.0#
65	56.6	47.5	71.3

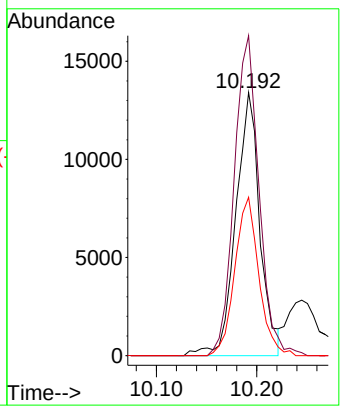




#27
2,4-Dimethylphenol
Concen: 9.685 ng
RT: 10.192 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:122 Resp: 2225

Ion	Ratio	Lower	Upper
122	100		
107	121.6	103.0	154.4
121	60.2	47.8	71.8



Instrument :
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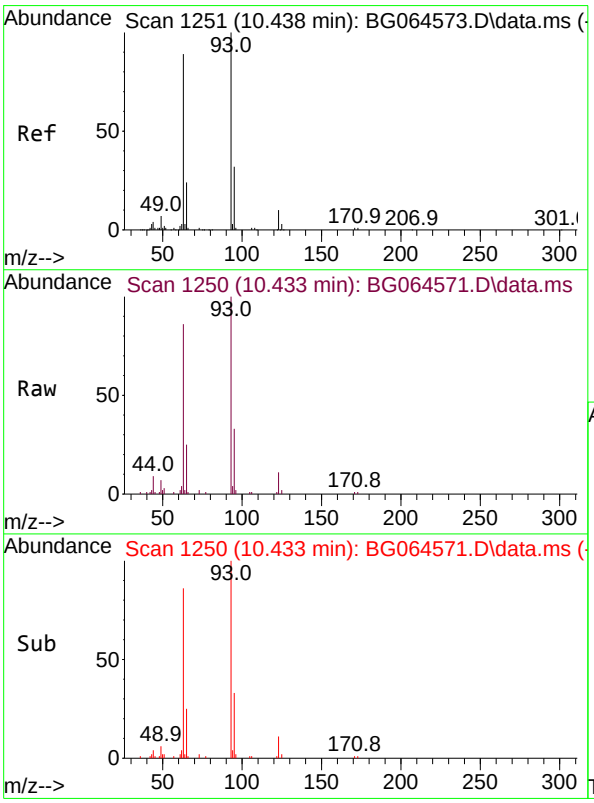
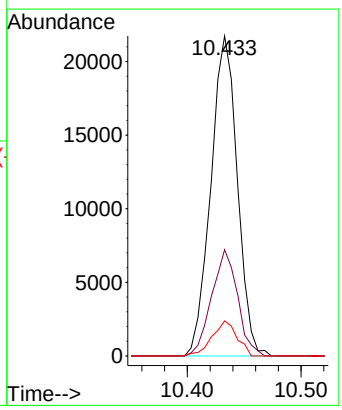
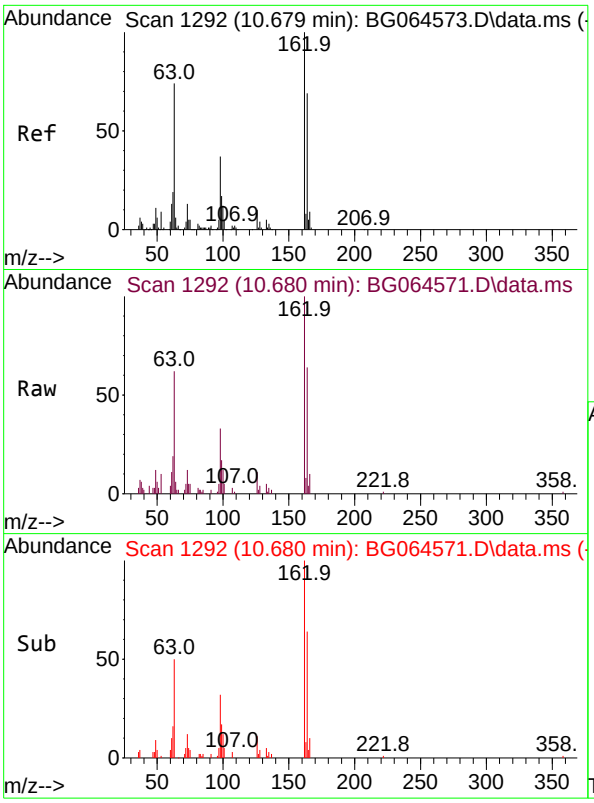


#28
bis(2-Chloroethoxy)methane
Concen: 10.197 ng
RT: 10.433 min Scan# 1250
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 93 Resp: 35170

Ion	Ratio	Lower	Upper
93	100		
95	33.2	25.4	38.2
123	11.0	8.4	12.6





#29
2,4-Dichlorophenol
Concen: 9.338 ng
RT: 10.680 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:162 Resp: 2264

Ion	Ratio	Lower	Upper
162	100		
164	64.0	48.7	88.7
98	32.7	16.9	56.9

Instrument :
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ClientSampleId :
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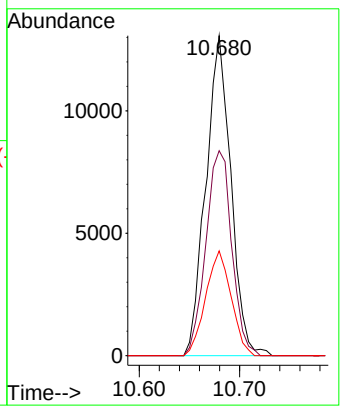
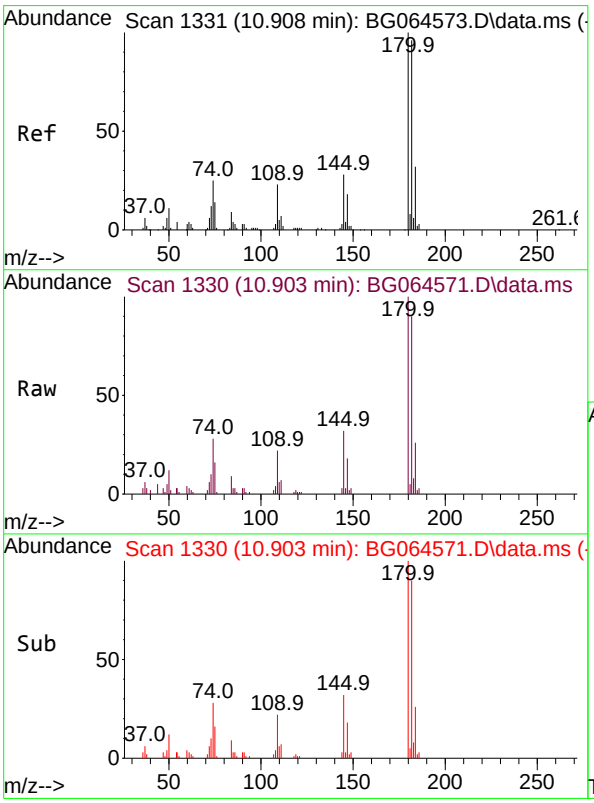
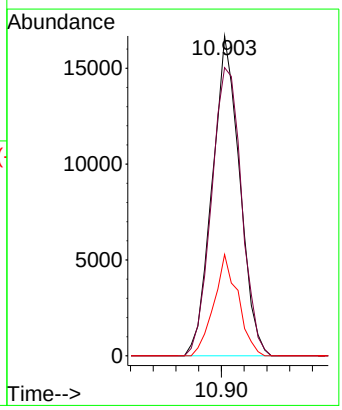


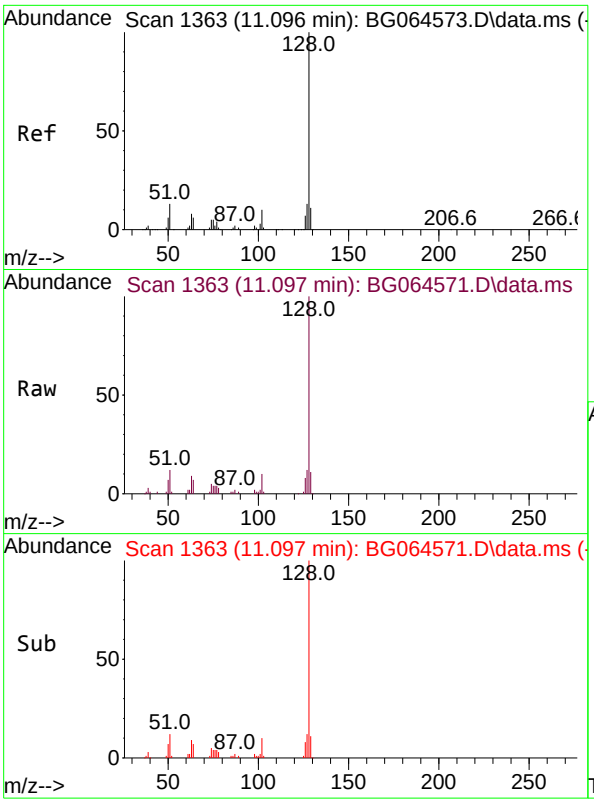


#30
1,2,4-Trichlorobenzene
Concen: 10.143 ng
RT: 10.903 min Scan# 1330
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:180 Resp: 27947

Ion	Ratio	Lower	Upper
180	100		
182	90.1	76.9	115.3
145	31.7	22.1	33.1

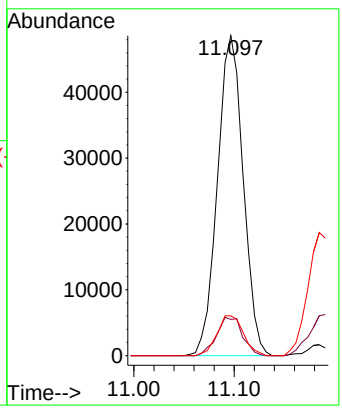




#31
Naphthalene
Concen: 10.319 ng
RT: 11.097 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:128 Resp: 8675

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	12.4	10.6	15.8



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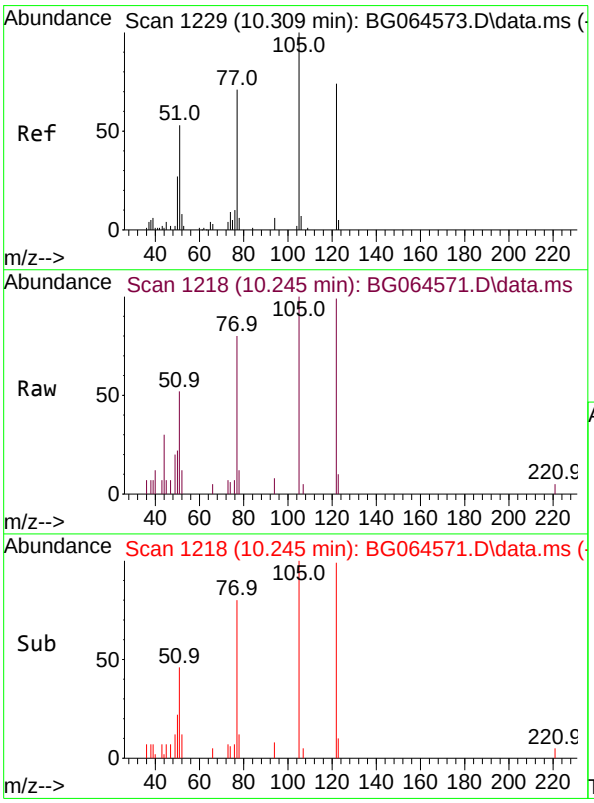
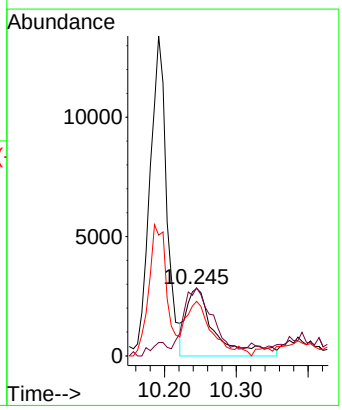
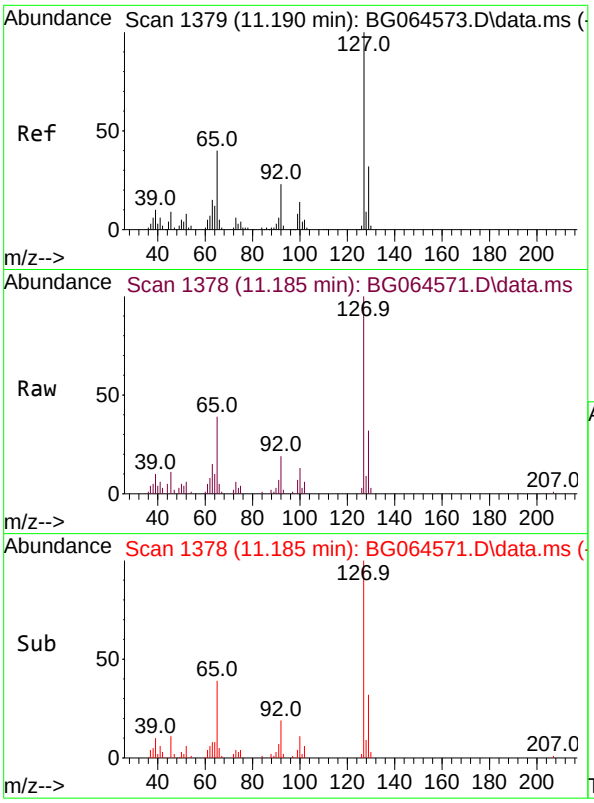


#32
Benzoic acid
Concen: 11.001 ng m
RT: 10.245 min Scan# 1218
Delta R.T. -0.097 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:122 Resp: 7890

Ion	Ratio	Lower	Upper
122	100		
105	100.8	104.2	144.2#
77	80.6	70.2	110.2

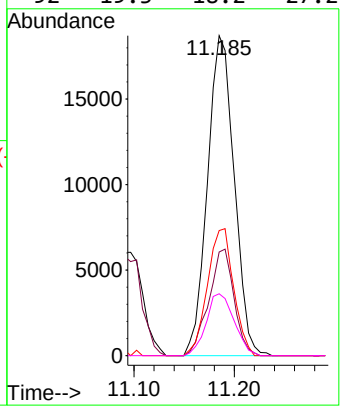




#33
4-Chloroaniline
Concen: 10.583 ng
RT: 11.185 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:127 Resp: 3458

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.5	38.3
65	39.1	32.2	48.4
92	19.3	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
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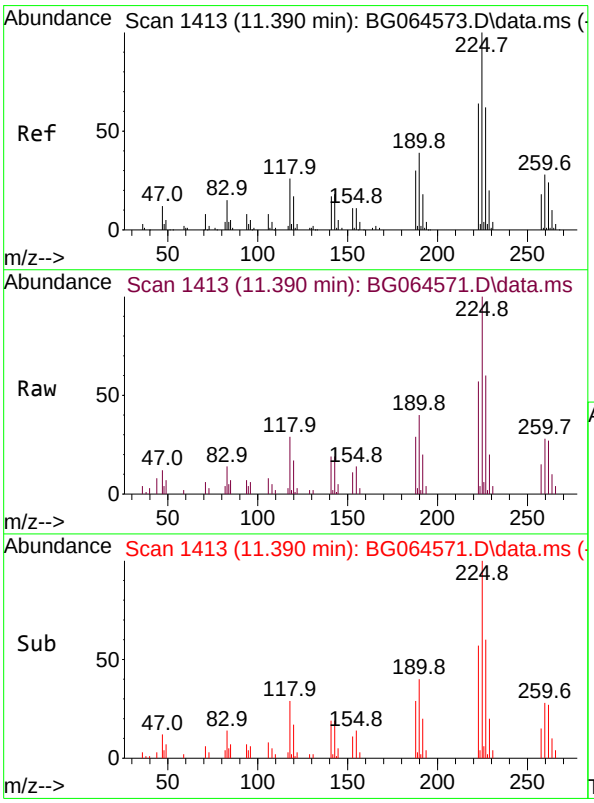
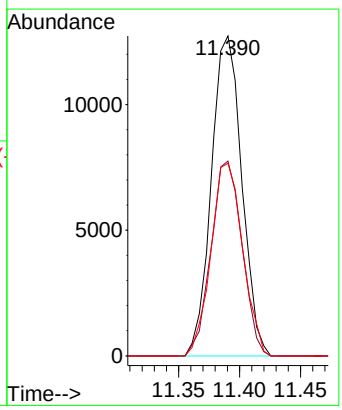
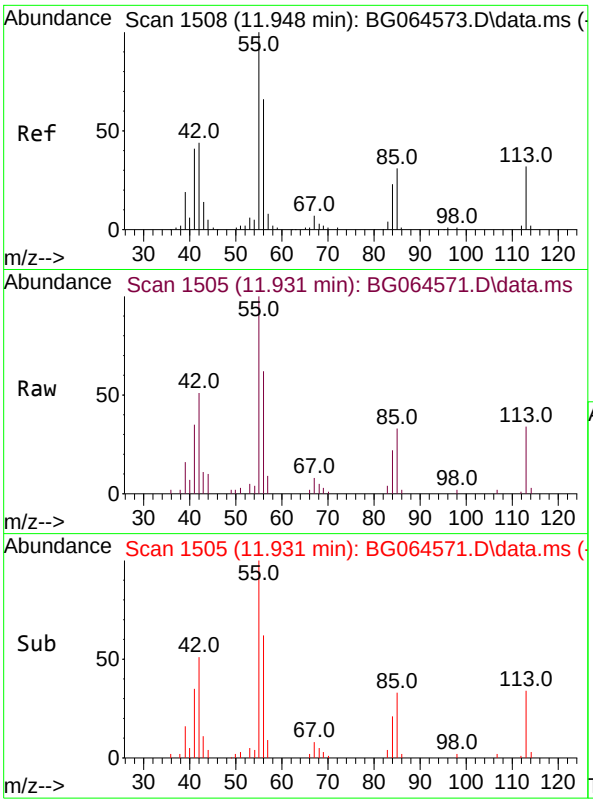


#34
Hexachlorobutadiene
Concen: 10.256 ng
RT: 11.390 min Scan# 1413
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:225 Resp: 22099

Ion	Ratio	Lower	Upper
225	100		
223	57.6	48.8	73.2
227	57.0	49.5	74.3

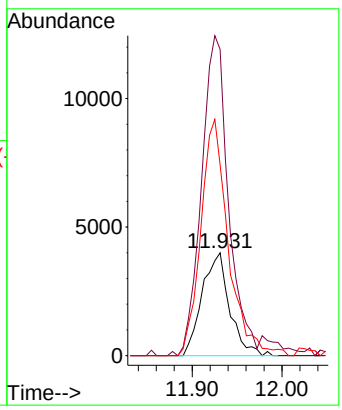




#35
Caprolactam
Concen: 9.162 ng
RT: 11.931 min Scan# 1
Delta R.T. -0.044 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:113 Resp: 852

Ion	Ratio	Lower	Upper
113	100		
55	297.7	290.1	330.1
56	185.5	183.8	223.8



Instrument :
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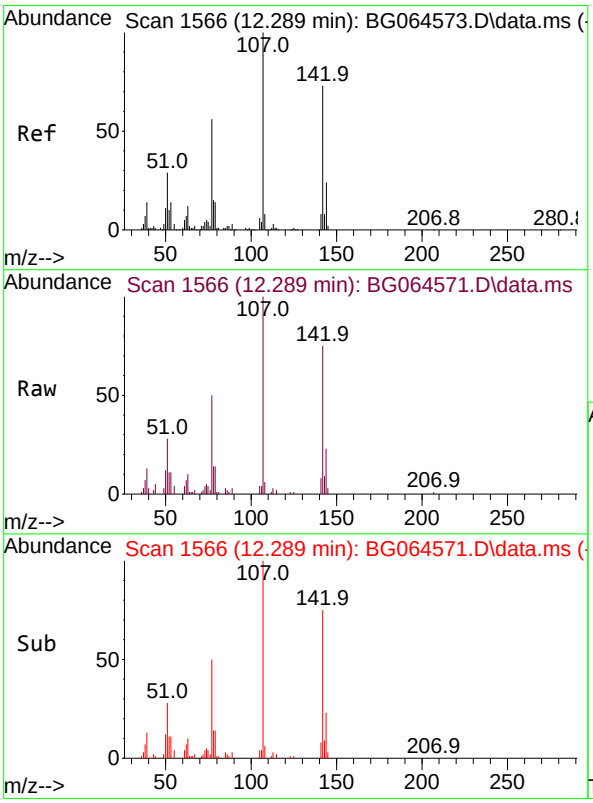
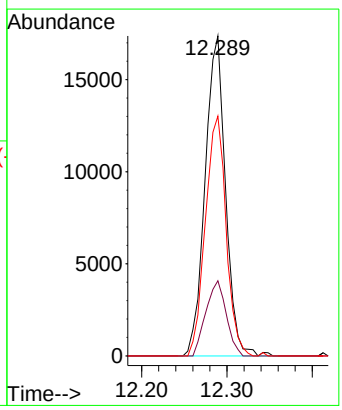
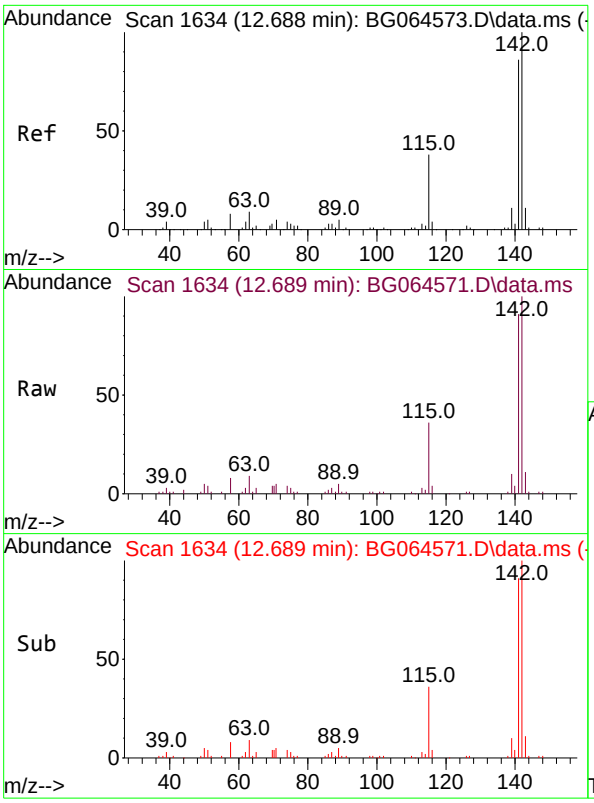


#36
4-Chloro-3-methylphenol
Concen: 9.916 ng
RT: 12.289 min Scan# 1566
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:107 Resp: 28904

Ion	Ratio	Lower	Upper
107	100		
144	23.5	19.1	28.7
142	74.9	58.6	87.8

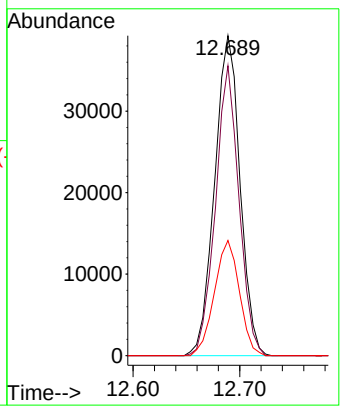




#37
2-Methylnaphthalene
Concen: 10.543 ng
RT: 12.689 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:142 Resp: 6507

Ion	Ratio	Lower	Upper
142	100		
141	90.6	68.9	103.3
115	36.0	30.6	46.0



Instrument :
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ClientSampleId :
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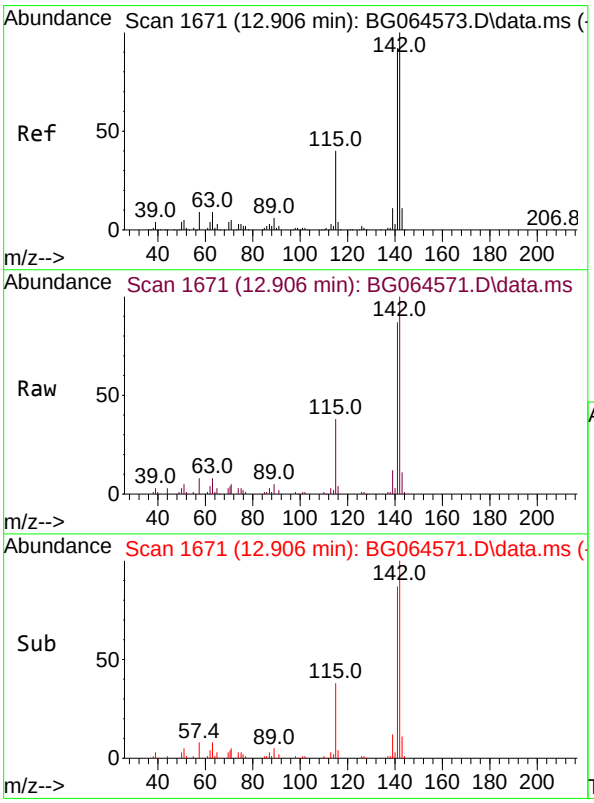
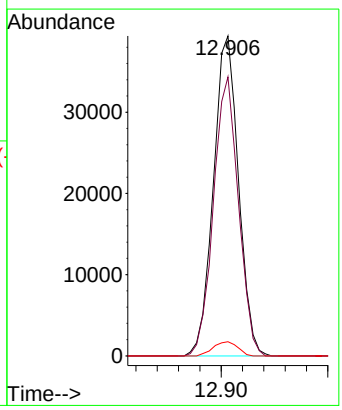
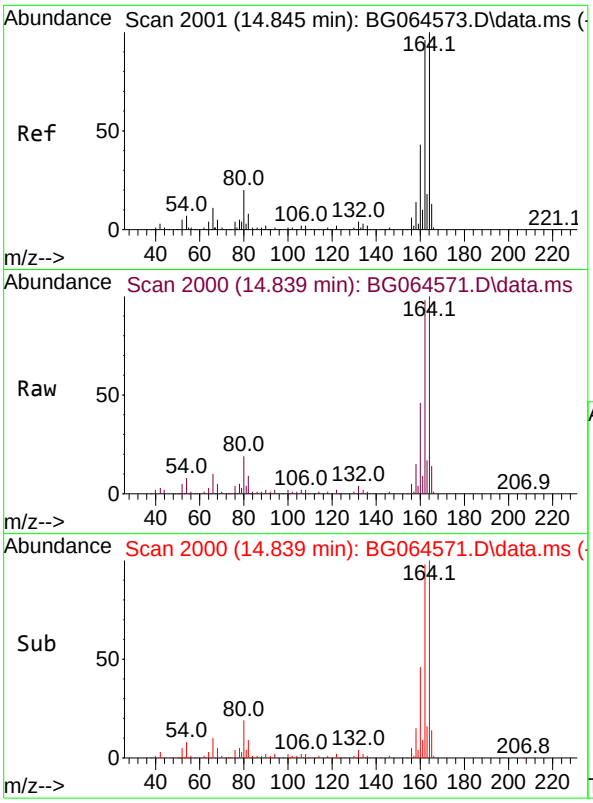


#38
1-Methylnaphthalene
Concen: 10.601 ng
RT: 12.906 min Scan# 1671
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:142 Resp: 64384

Ion	Ratio	Lower	Upper
142	100		
141	87.2	73.3	109.9
116	4.4	3.1	4.7

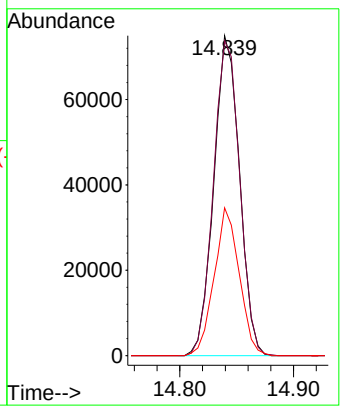




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:164 Resp: 11761

Ion	Ratio	Lower	Upper
164	100		
162	98.4	77.0	115.6
160	46.2	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
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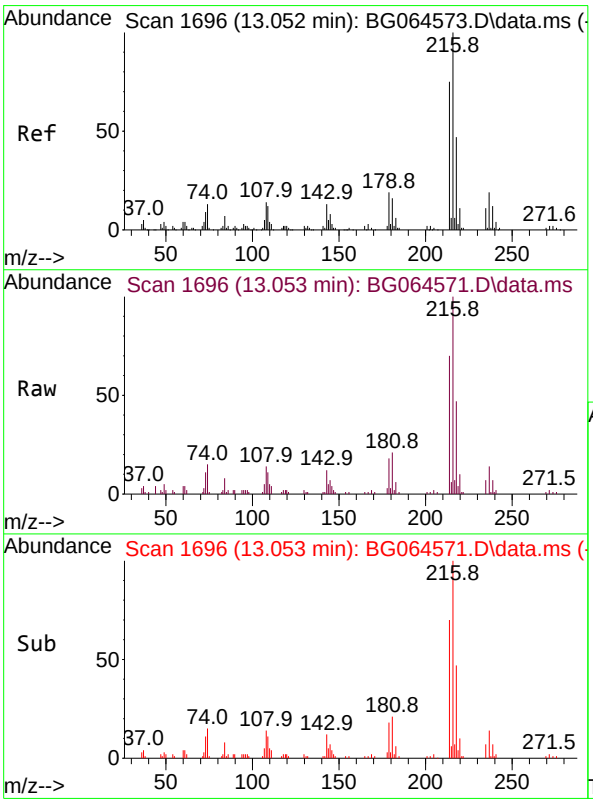
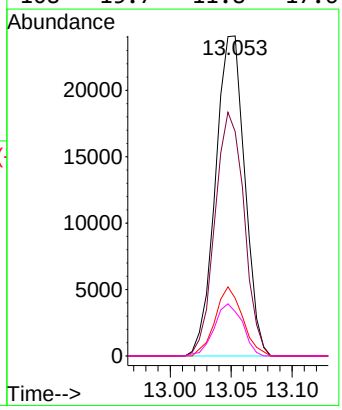
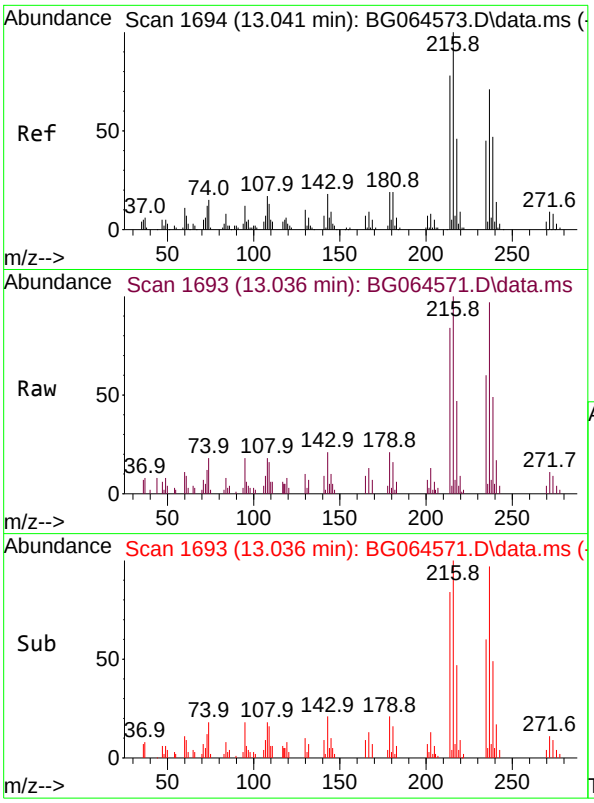


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.197 ng
RT: 13.053 min Scan# 1696
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:216 Resp: 40253

Ion	Ratio	Lower	Upper
216	100		
214	75.7	61.4	92.2
179	20.2	15.4	23.0
108	15.7	11.8	17.6

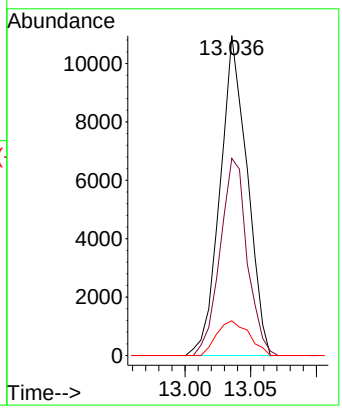




#41
Hexachlorocyclopentadiene
Concen: 8.855 ng
RT: 13.036 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:237 Resp: 1573

Ion	Ratio	Lower	Upper
237	100		
235	61.6	44.1	84.1
272	10.9	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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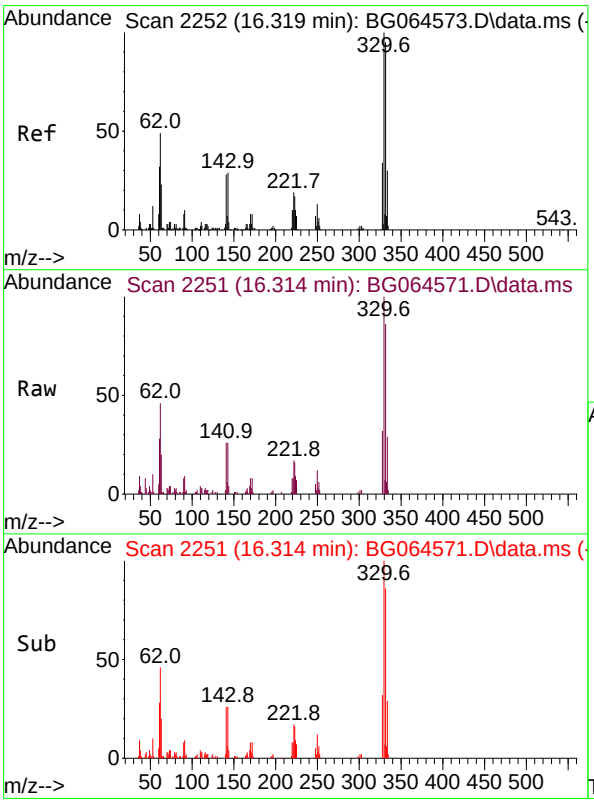
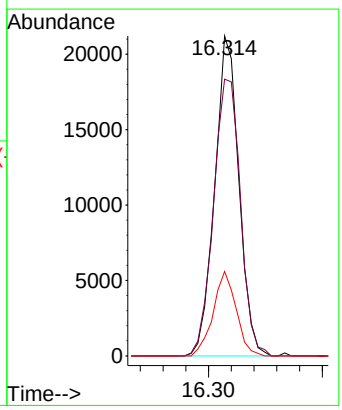
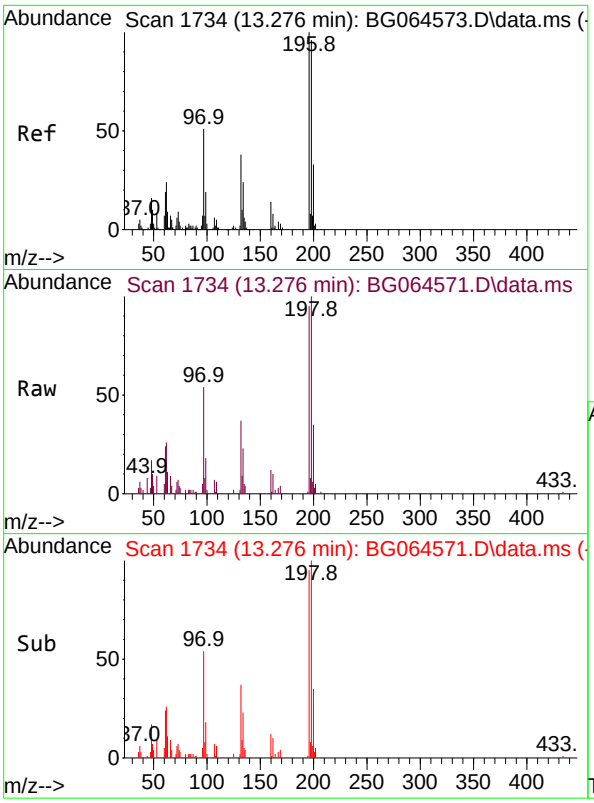


#42
2,4,6-Tribromophenol
Concen: 18.400 ng
RT: 16.314 min Scan# 2251
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:330 Resp: 31236

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.0	117.0
141	25.2	21.8	32.6

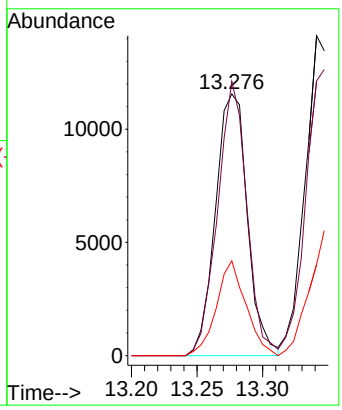




#43
2,4,6-Trichlorophenol
Concen: 8.673 ng
RT: 13.276 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:196 Resp: 1958

Ion	Ratio	Lower	Upper
196	100		
198	104.8	76.6	115.0
200	36.2	26.0	39.0



Instrument :
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ClientSampleId :
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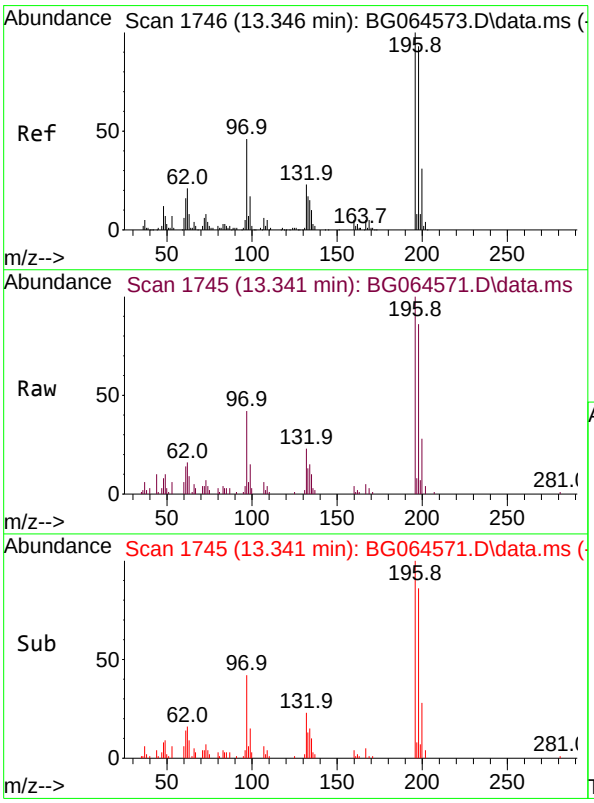
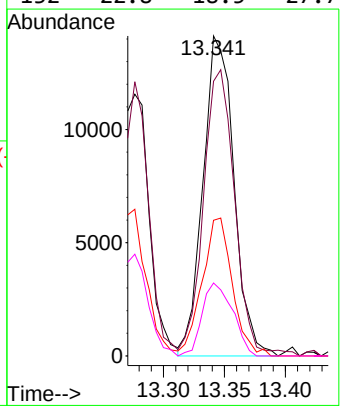
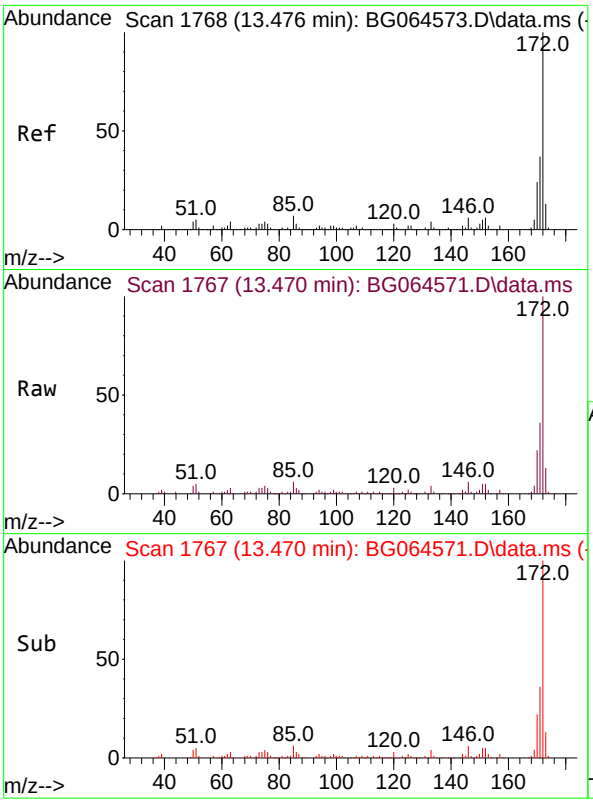


#44
2,4,5-Trichlorophenol
Concen: 9.584 ng
RT: 13.341 min Scan# 1745
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:196 Resp: 24973

Ion	Ratio	Lower	Upper
196	100		
198	85.8	74.2	111.4
97	42.4	37.0	55.6
132	22.8	18.5	27.7

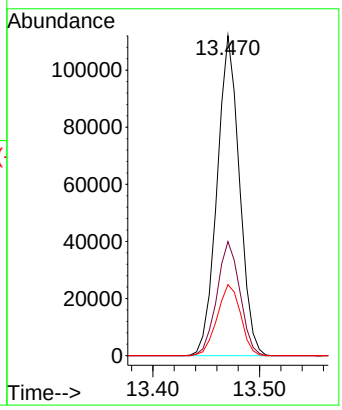




#45
2-Fluorobiphenyl
Concen: 21.050 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:172 Resp: 16334

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	22.2	19.1	28.7



Instrument :
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ClientSampleId :
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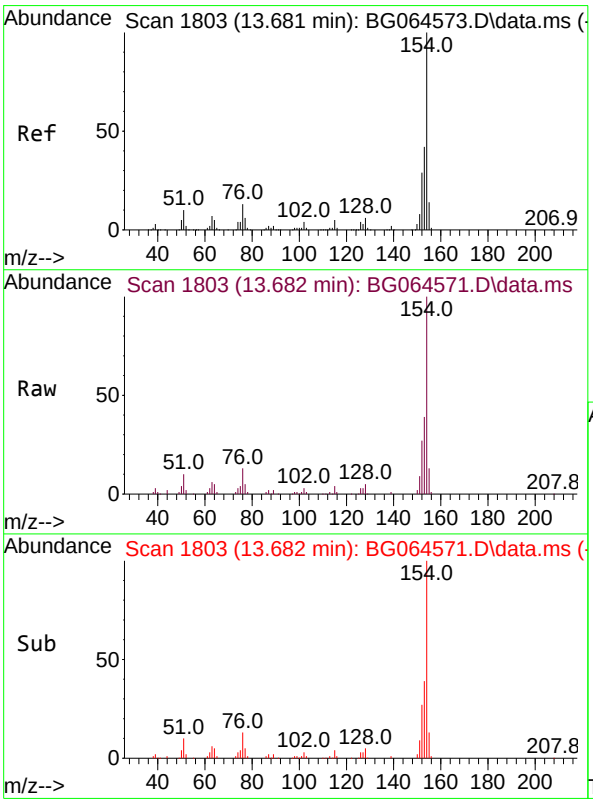
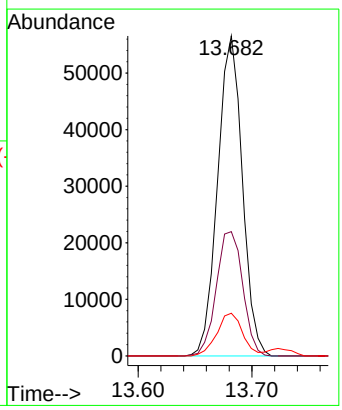
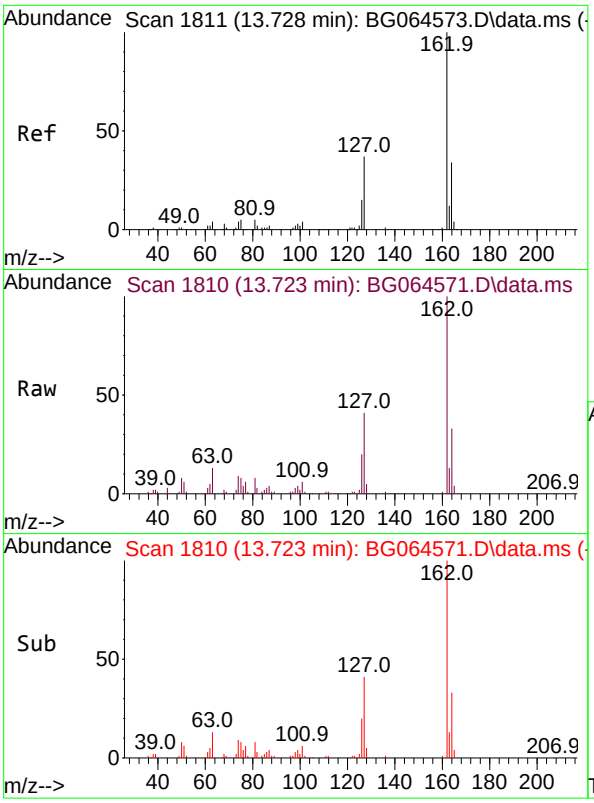


#46
1,1'-Biphenyl
Concen: 10.200 ng
RT: 13.682 min Scan# 1803
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:154 Resp: 85287

Ion	Ratio	Lower	Upper
154	100		
153	38.8	22.4	62.4
76	13.3	0.0	33.5

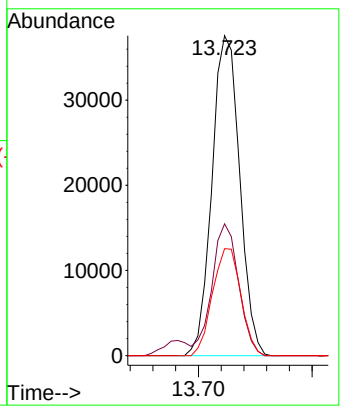




#47
2-Chloronaphthalene
Concen: 10.081 ng
RT: 13.723 min Scan# 18
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:162 Resp: 6363

Ion	Ratio	Lower	Upper
162	100		
127	41.2	32.2	48.2
164	33.4	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
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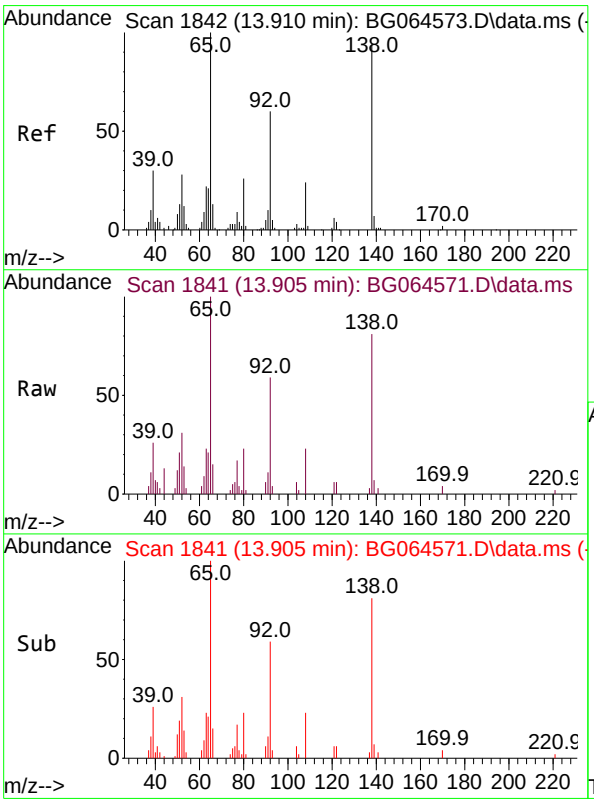
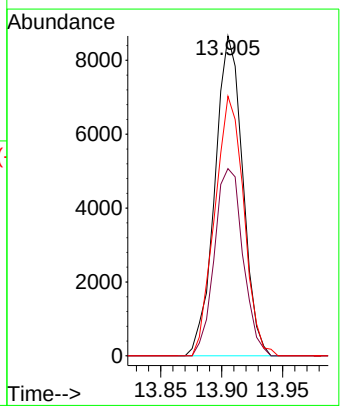
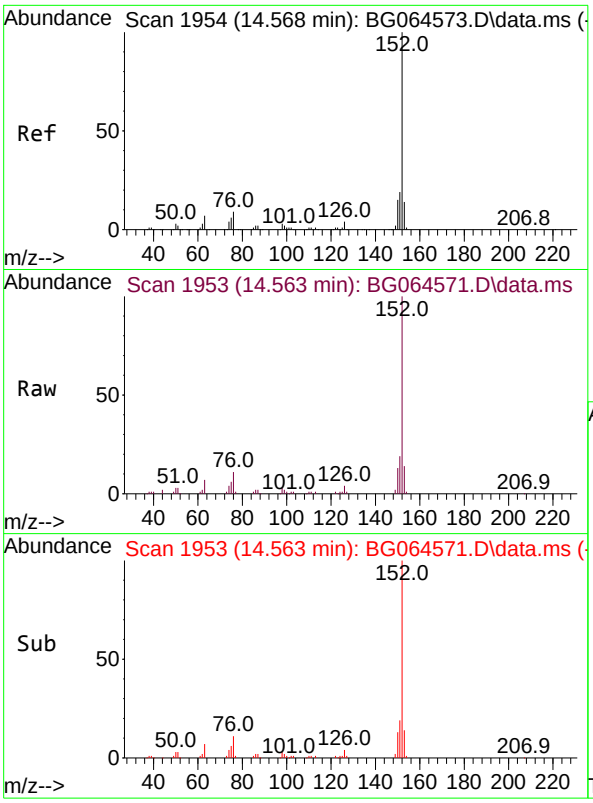


#48
2-Nitroaniline
Concen: 9.284 ng
RT: 13.905 min Scan# 1841
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 65 Resp: 13764

Ion	Ratio	Lower	Upper
65	100		
92	58.5	48.3	72.5
138	81.1	74.9	112.3

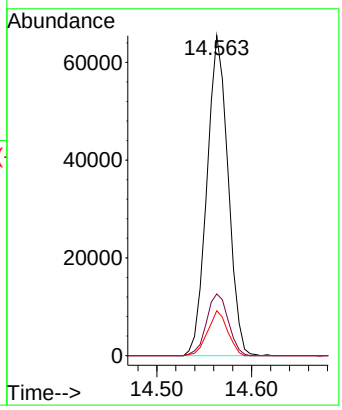




#49
Acenaphthylene
Concen: 10.198 ng
RT: 14.563 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:152 Resp: 10152

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	14.0	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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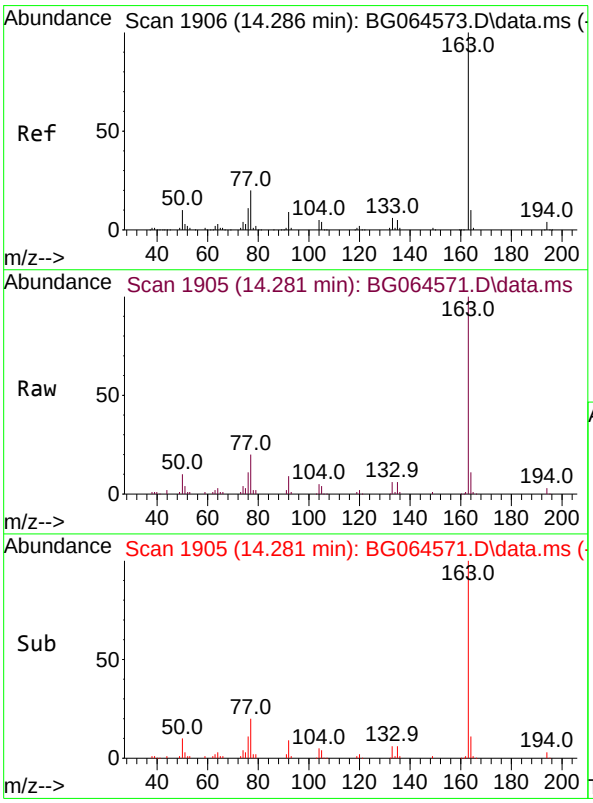
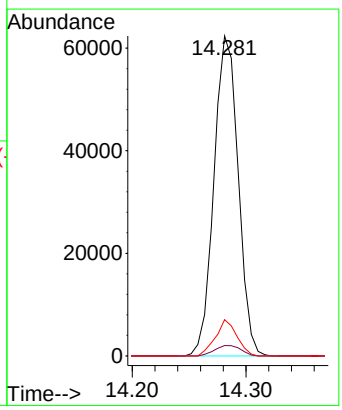
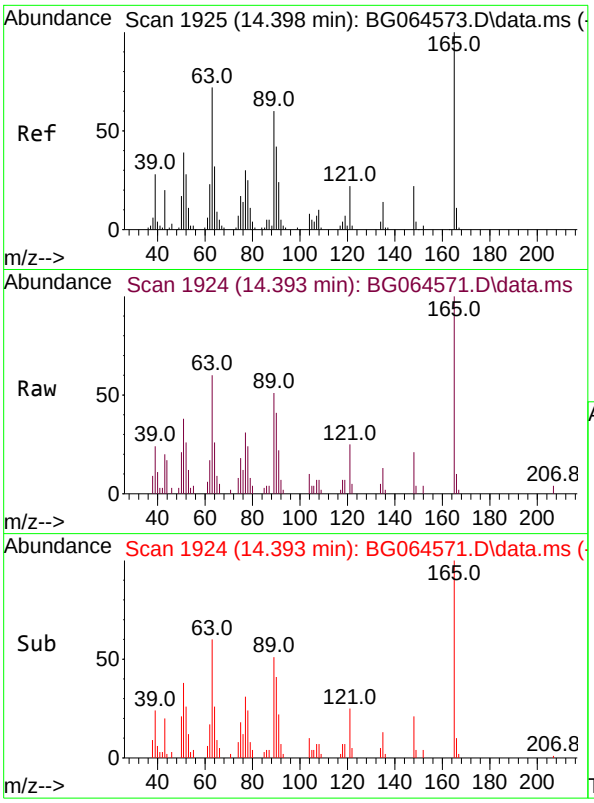


#50
Dimethylphthalate
Concen: 10.256 ng
RT: 14.281 min Scan# 1905
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:163 Resp: 92308

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	11.3	7.7	11.5

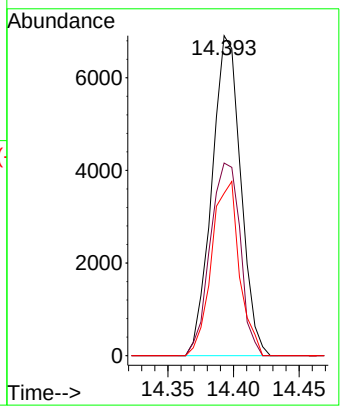




#51
2,6-Dinitrotoluene
Concen: 9.857 ng
RT: 14.393 min Scan# 19
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:165 Resp: 10601

Ion	Ratio	Lower	Upper
165	100		
63	60.2	57.4	86.0
89	50.8	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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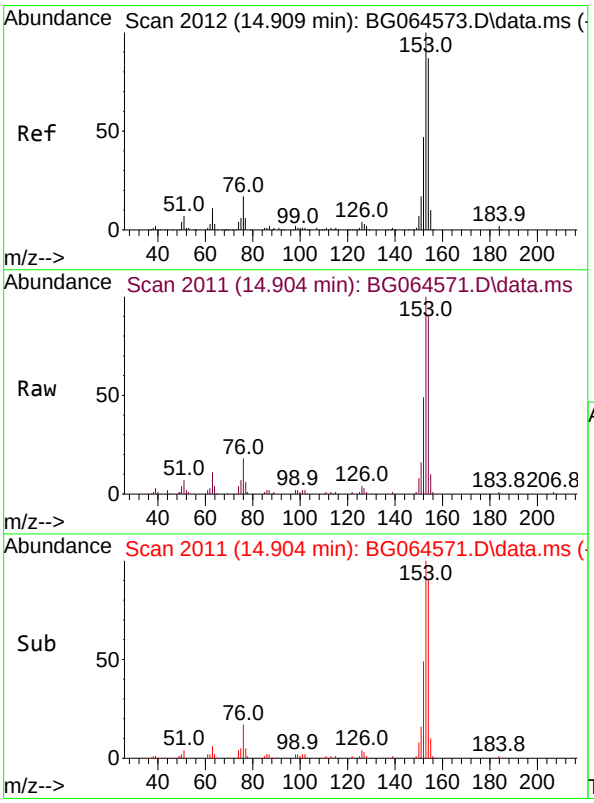
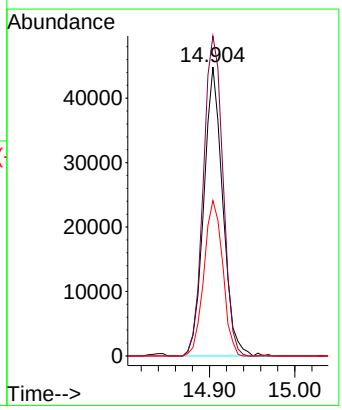
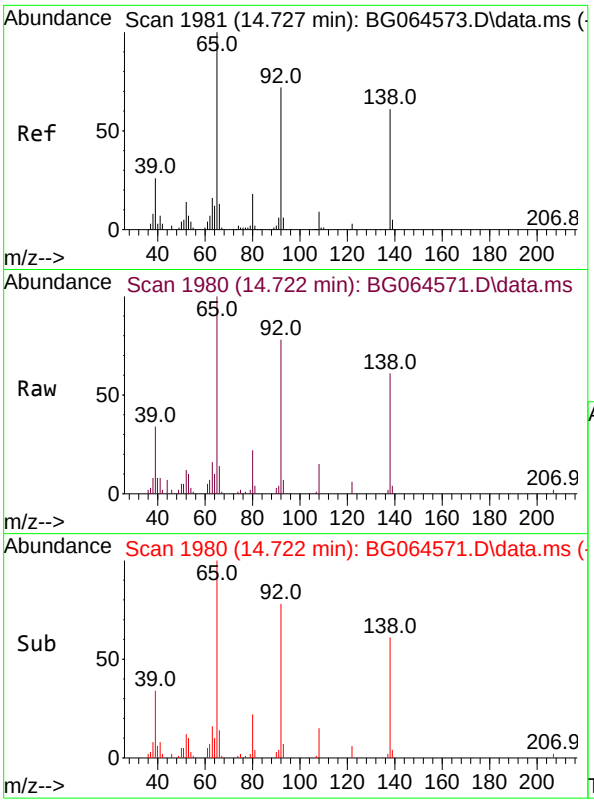


#52
Acenaphthene
Concen: 10.184 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:154 Resp: 69273

Ion	Ratio	Lower	Upper
154	100		
153	110.8	92.2	138.4
152	53.8	43.2	64.8

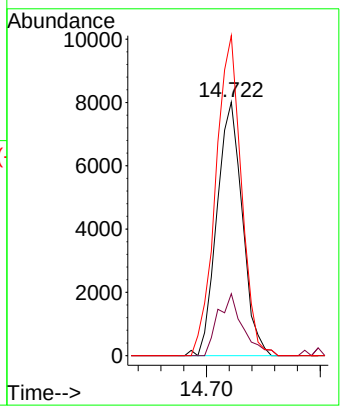




#53
3-Nitroaniline
Concen: 8.026 ng
RT: 14.722 min Scan# 19
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:138 Resp: 1241

Ion	Ratio	Lower	Upper
138	100		
108	24.4	11.4	17.0#
92	126.2	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
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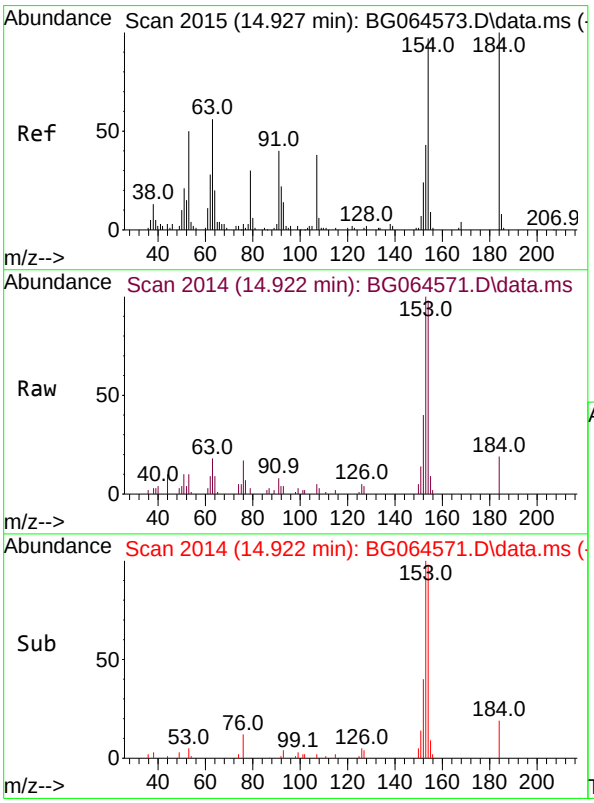
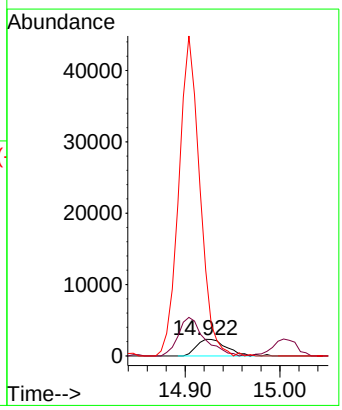
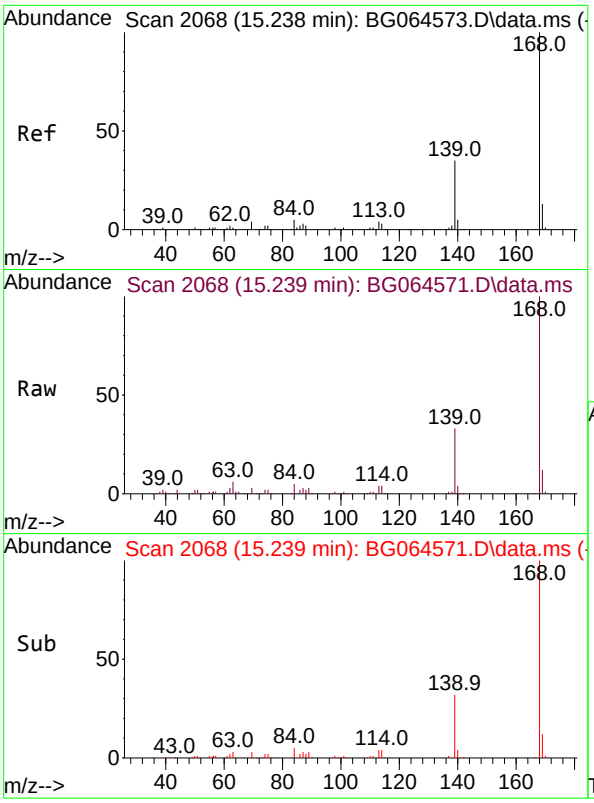


#54
2,4-Dinitrophenol
Concen: 10.760 ng
RT: 14.922 min Scan# 2014
Delta R.T. -0.008 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:184 Resp: 5082

Ion	Ratio	Lower	Upper
184	100		
63	95.9	56.6	85.0#
154	514.8	158.6	238.0#

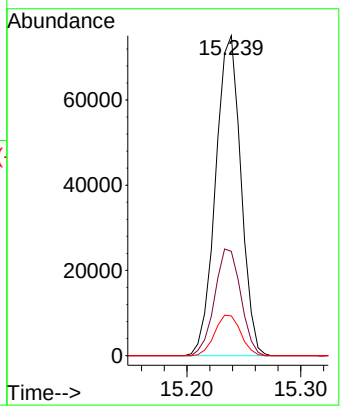




#55
Dibenzofuran
Concen: 10.548 ng
RT: 15.239 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:168 Resp: 11599

Ion	Ratio	Lower	Upper
168	100		
139	32.6	27.8	41.8
169	12.4	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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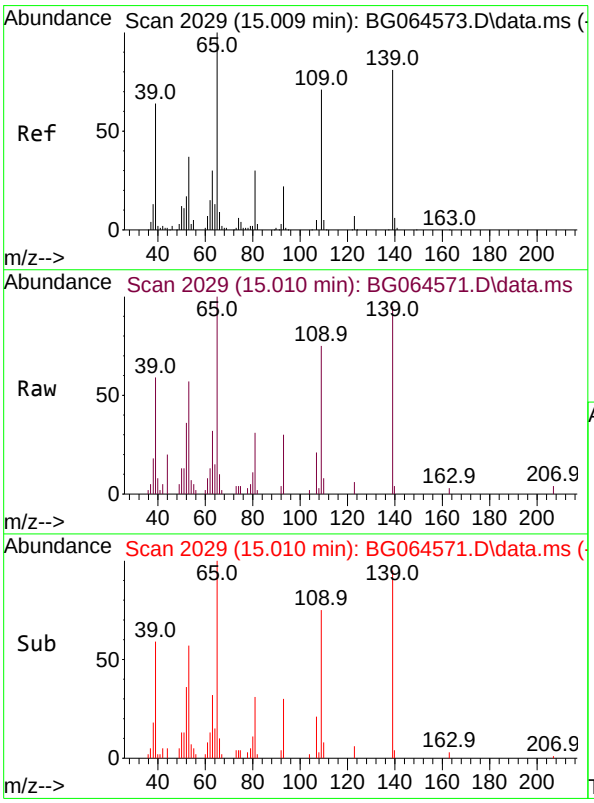
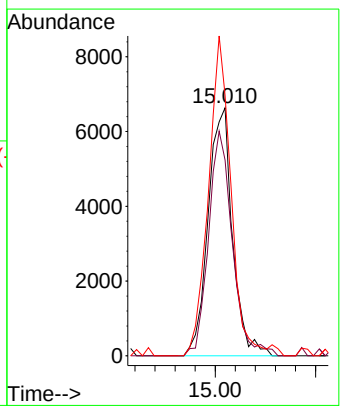
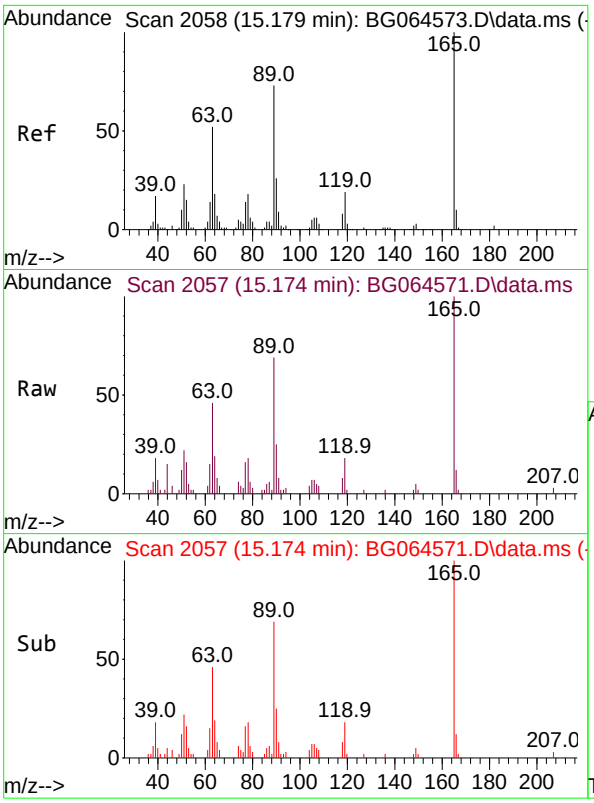


#56
4-Nitrophenol
Concen: 7.815 ng
RT: 15.010 min Scan# 2029
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:139 Resp: 11207

Ion	Ratio	Lower	Upper
139	100		
109	78.9	67.8	107.8
65	105.0	103.7	143.7

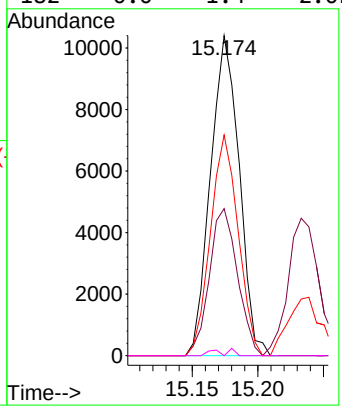




#57
2,4-Dinitrotoluene
Concen: 9.494 ng
RT: 15.174 min Scan# 2
Delta R.T. -0.015 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:165 Resp: 1579

Ion	Ratio	Lower	Upper
165	100		
63	45.9	41.8	62.8
89	68.9	58.1	87.1
182	0.0	1.4	2.0#



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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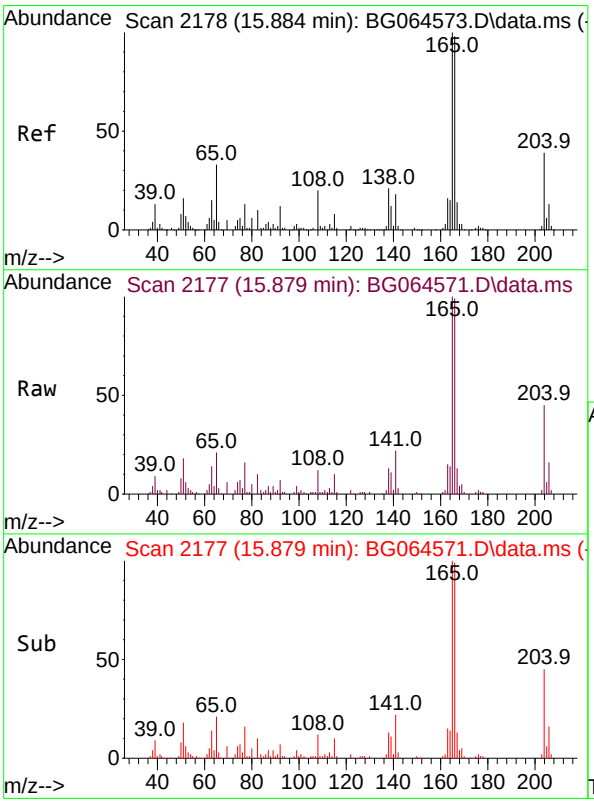
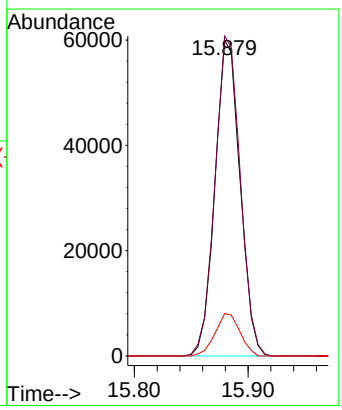
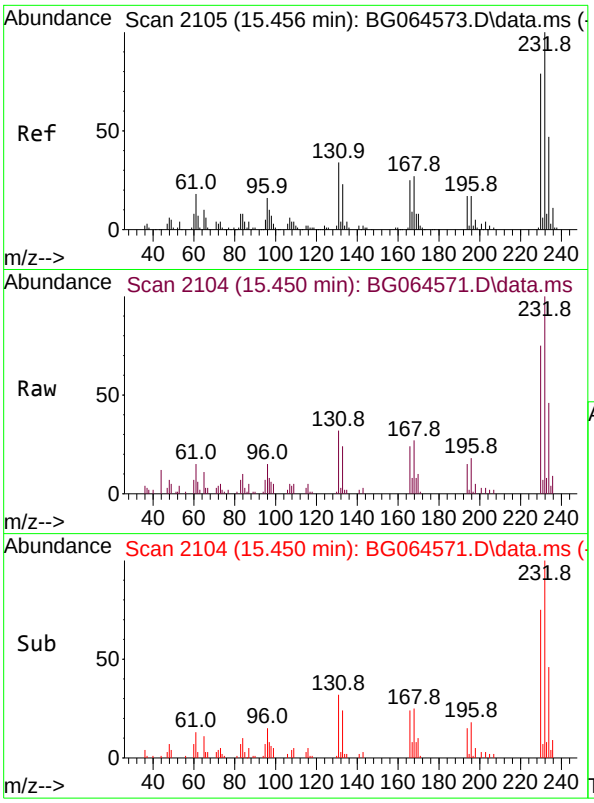


#58
Fluorene
Concen: 10.679 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:166 Resp: 91712

Ion	Ratio	Lower	Upper
166	100		
165	101.4	81.5	122.3
167	13.4	11.4	17.0

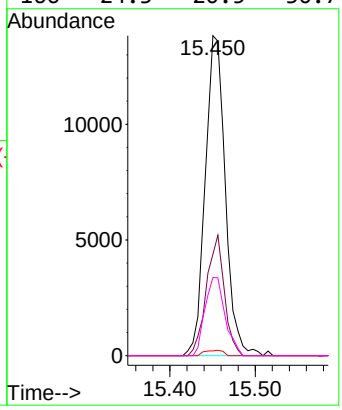




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.088 ng
RT: 15.450 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:232 Resp: 2264

Ion	Ratio	Lower	Upper
232	100		
131	33.5	26.7	40.1
130	1.5	1.6	2.4#
166	24.3	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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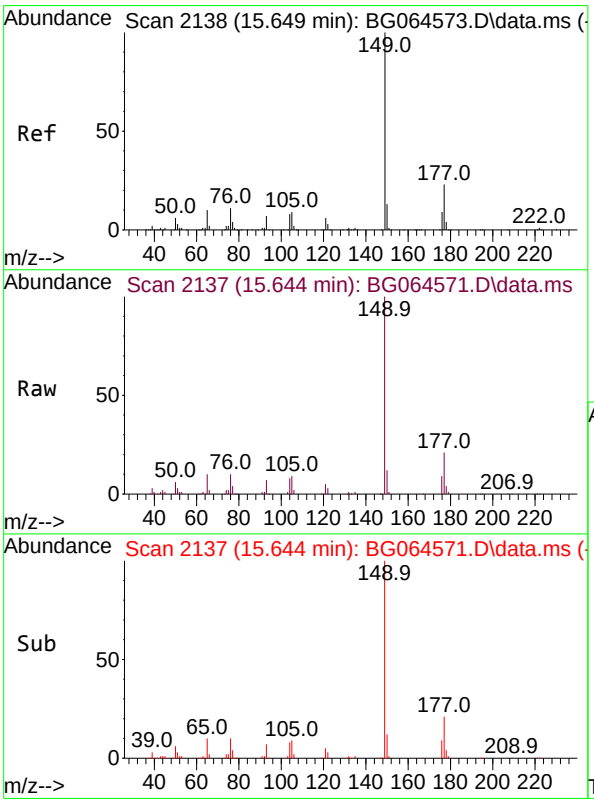
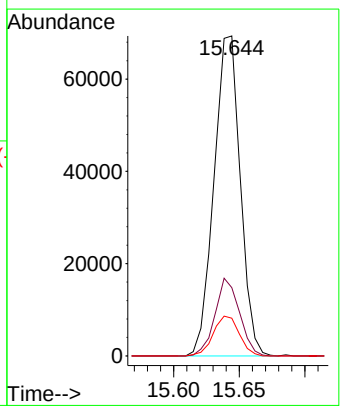
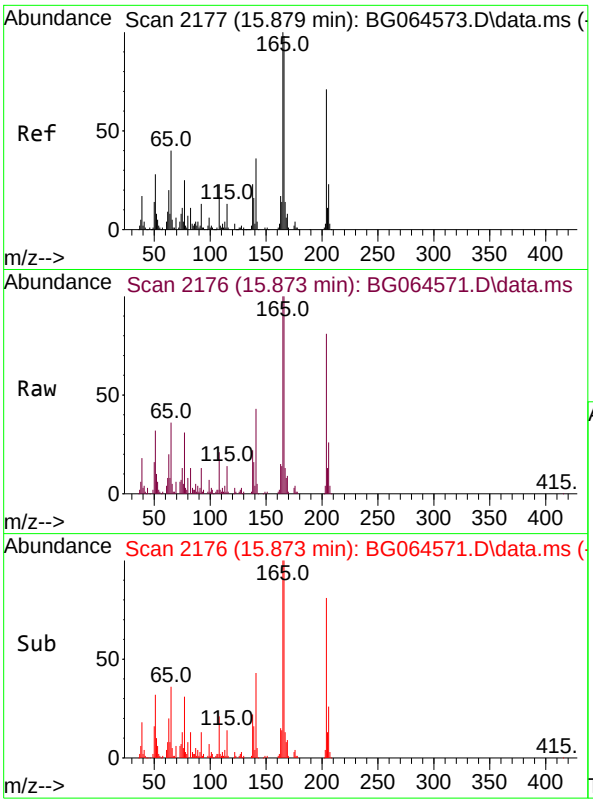


#60
Diethylphthalate
Concen: 10.525 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 96719

Ion	Ratio	Lower	Upper
149	100		
177	21.3	18.0	27.0
150	11.8	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 10.544 ng
RT: 15.873 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 5081

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.6	38.4
141	53.7	40.6	60.8

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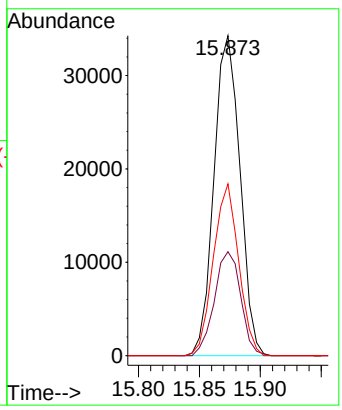
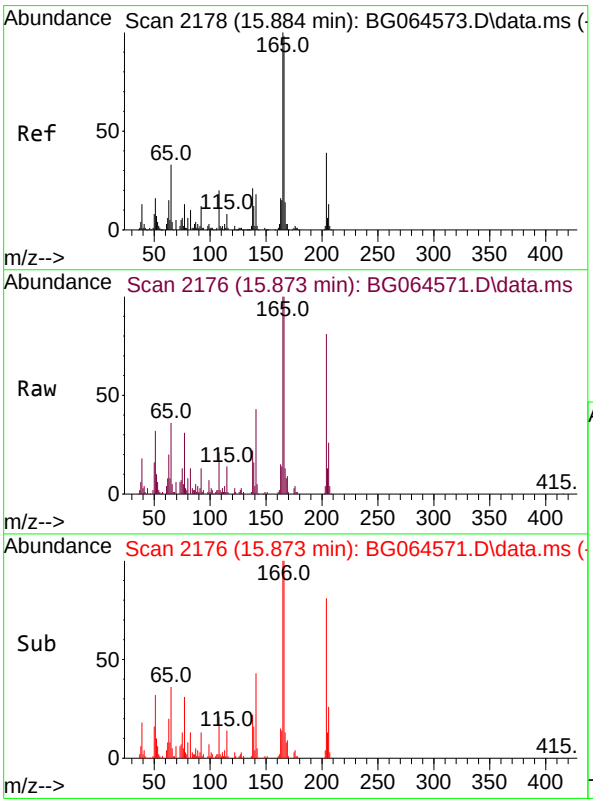
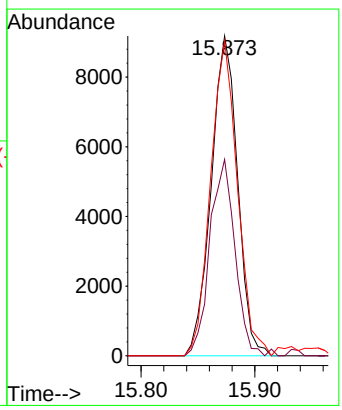


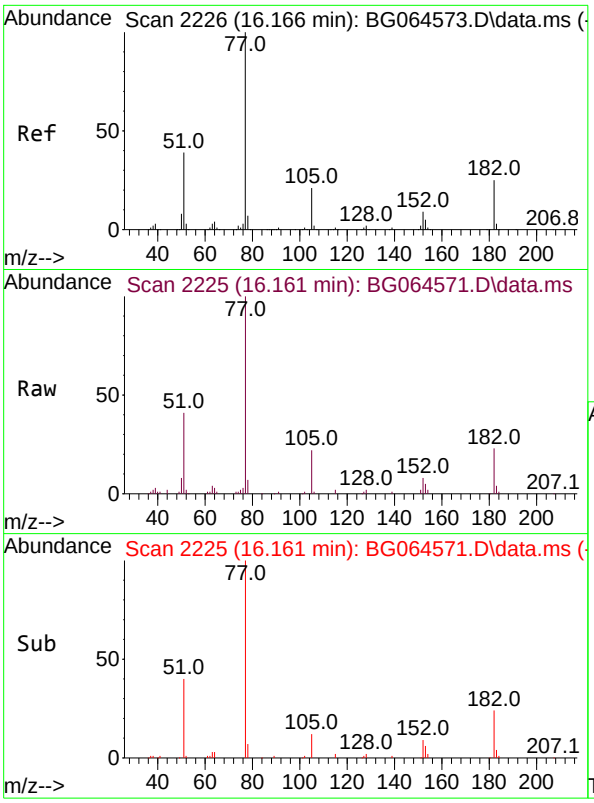


#62
4-Nitroaniline
Concen: 8.612 ng
RT: 15.873 min Scan# 2176
Delta R.T. -0.020 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:138 Resp: 14819

Ion	Ratio	Lower	Upper
138	100		
92	61.4	36.1	76.1
108	98.5	75.6	115.6

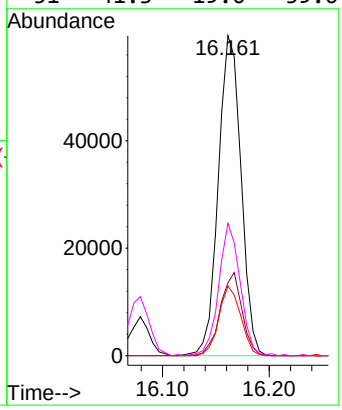




#63
Azobenzene
Concen: 10.489 ng
RT: 16.161 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 77 Resp: 8844

Ion	Ratio	Lower	Upper
77	100		
182	22.8	4.9	44.9
105	21.7	1.3	41.3
51	41.3	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
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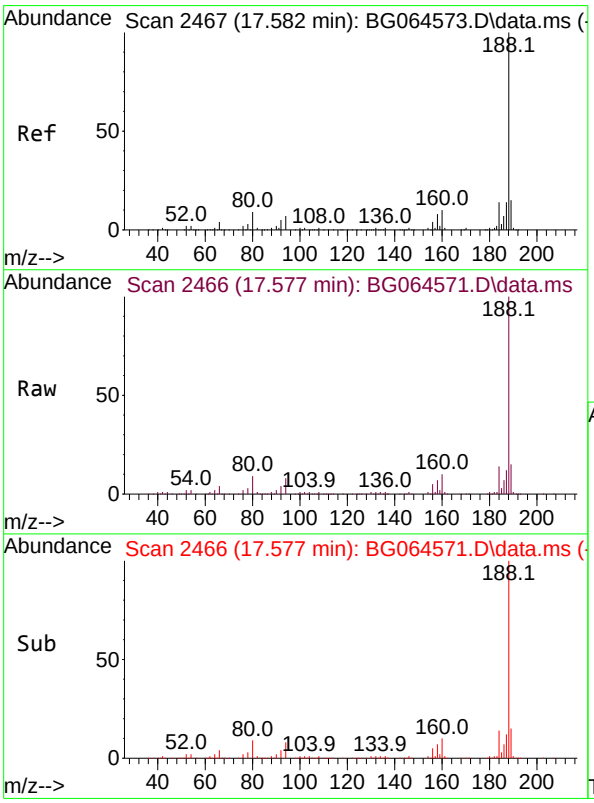
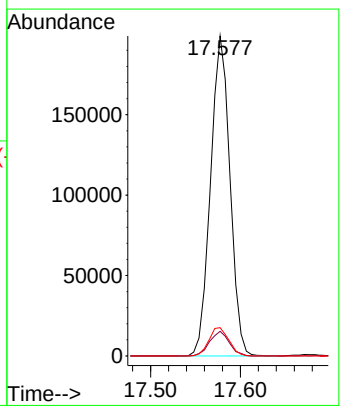
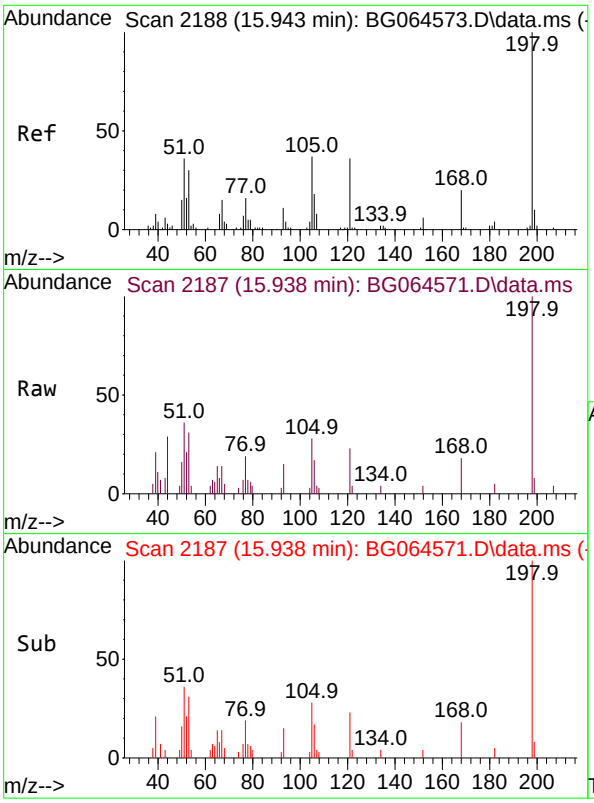


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:188 Resp: 300549

Ion	Ratio	Lower	Upper
188	100		
94	7.7	5.7	8.5
80	8.8	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 10.919 ng
RT: 15.938 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:198 Resp: 819

Ion	Ratio	Lower	Upper
198	100		
51	36.4	24.7	64.7
105	28.3	18.0	58.0

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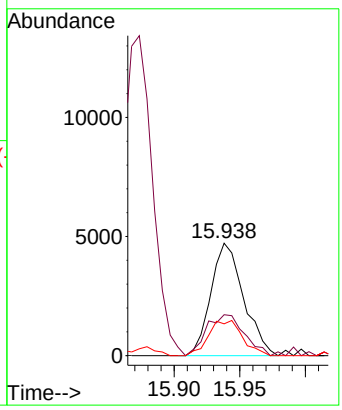
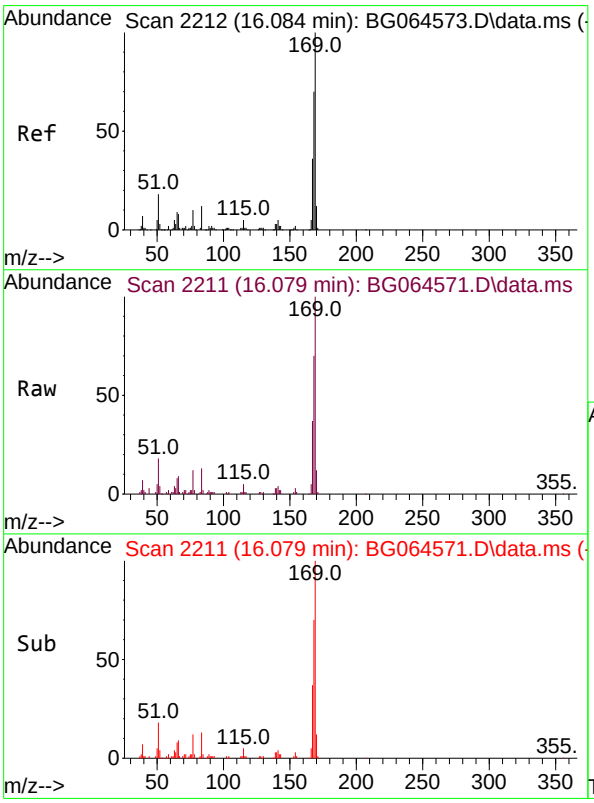
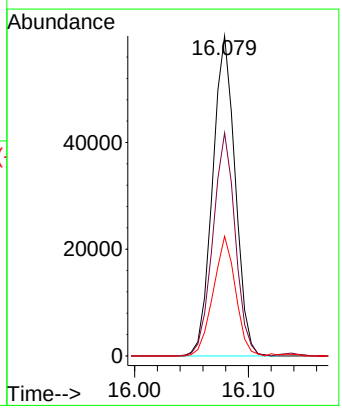


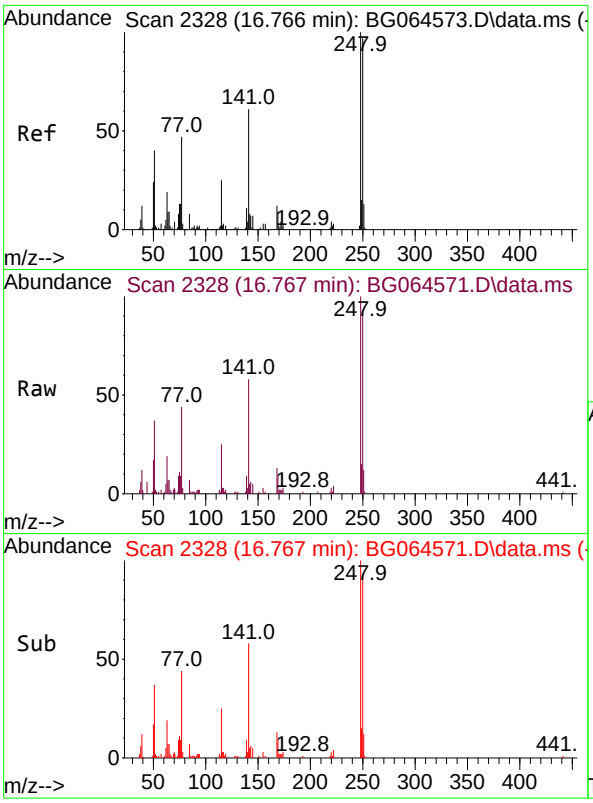


#66
n-Nitrosodiphenylamine
Concen: 10.197 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:169 Resp: 82787

Ion	Ratio	Lower	Upper
169	100		
168	69.7	56.3	84.5
167	37.4	29.0	43.6

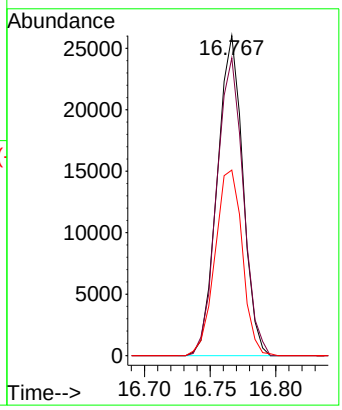




#67
4-Bromophenyl-phenylether
Concen: 9.949 ng
RT: 16.767 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:248 Resp: 3543

Ion	Ratio	Lower	Upper
248	100		
250	93.0	77.7	116.5
141	58.0	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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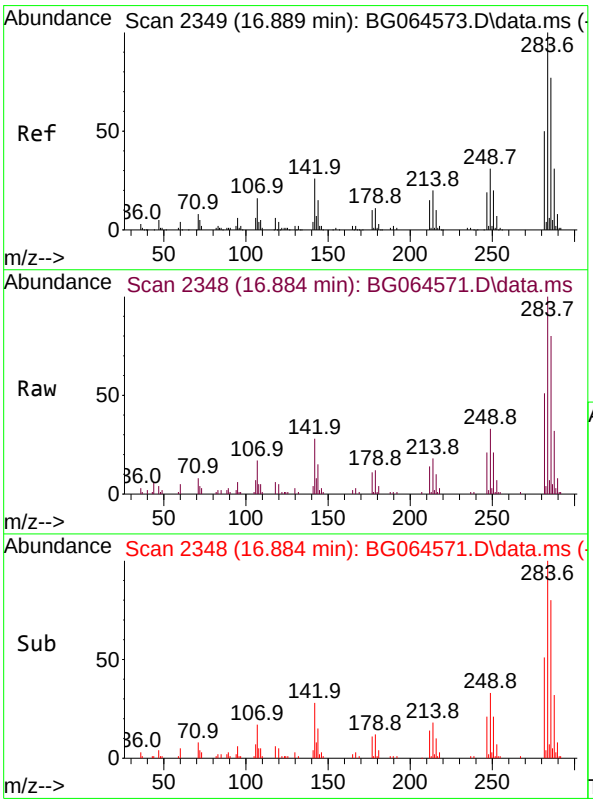
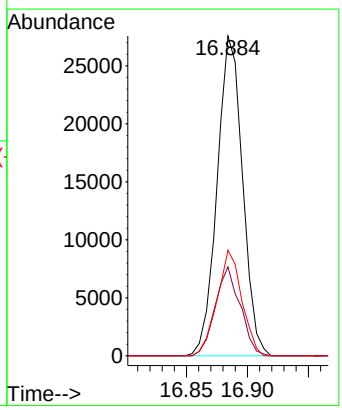
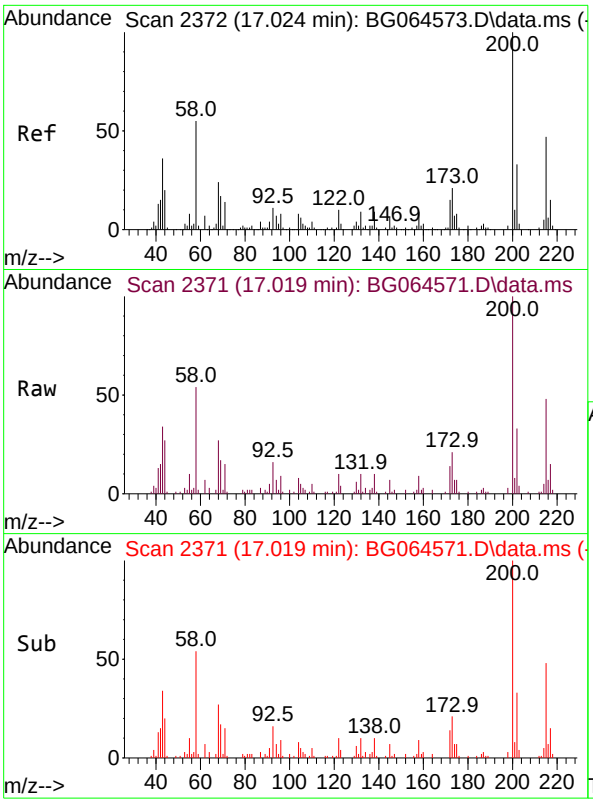


#68
Hexachlorobenzene
Concen: 9.838 ng
RT: 16.884 min Scan# 2348
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:284 Resp: 39975

Ion	Ratio	Lower	Upper
284	100		
142	27.8	21.0	31.6
249	35.9	24.9	37.3





#69
Atrazine
Concen: 9.785 ng
RT: 17.019 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:200 Resp: 3418

Ion	Ratio	Lower	Upper
200	100		
173	20.7	0.9	40.9
215	47.7	27.0	67.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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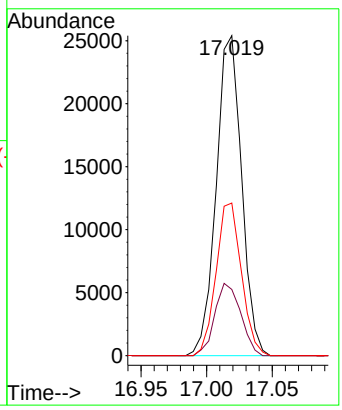
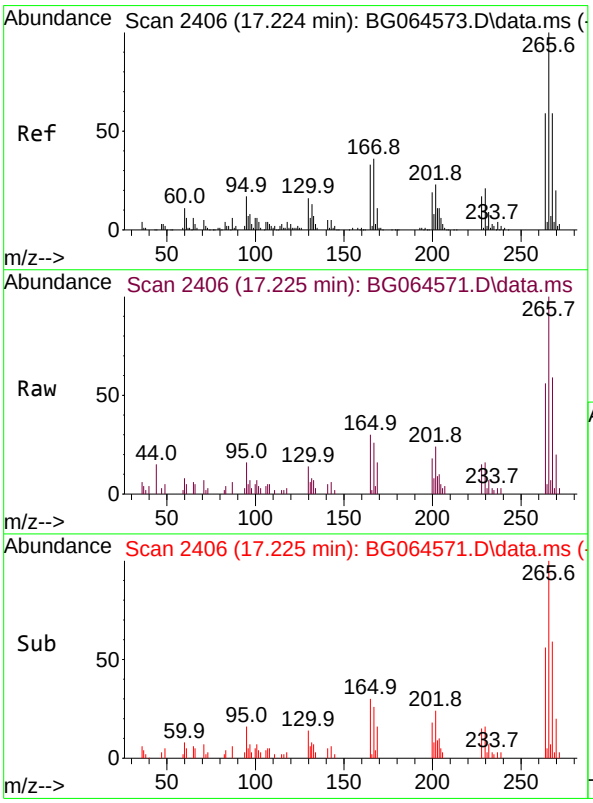
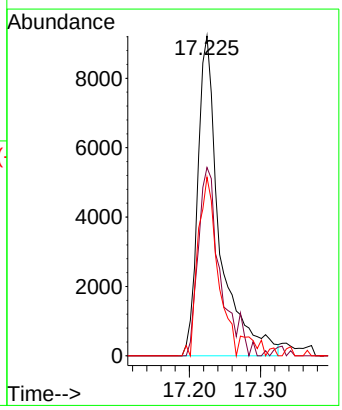


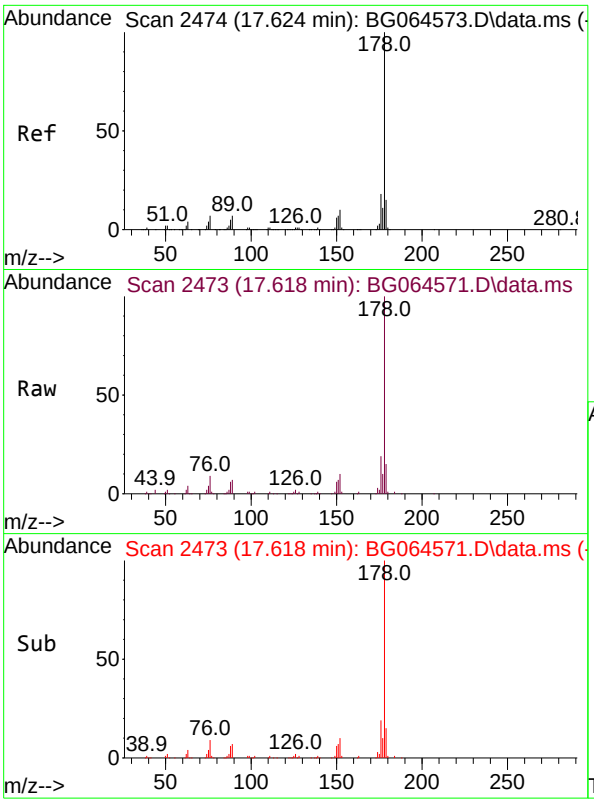


#70
Pentachlorophenol
Concen: 7.838 ng
RT: 17.225 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:266 Resp: 19859

Ion	Ratio	Lower	Upper
266	100		
268	58.9	50.3	75.5
264	61.2	47.3	70.9

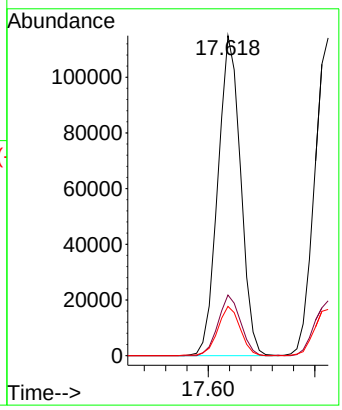




#71
Phenanthrene
Concen: 10.361 ng
RT: 17.618 min Scan# 24
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:178 Resp: 170294

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.4	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
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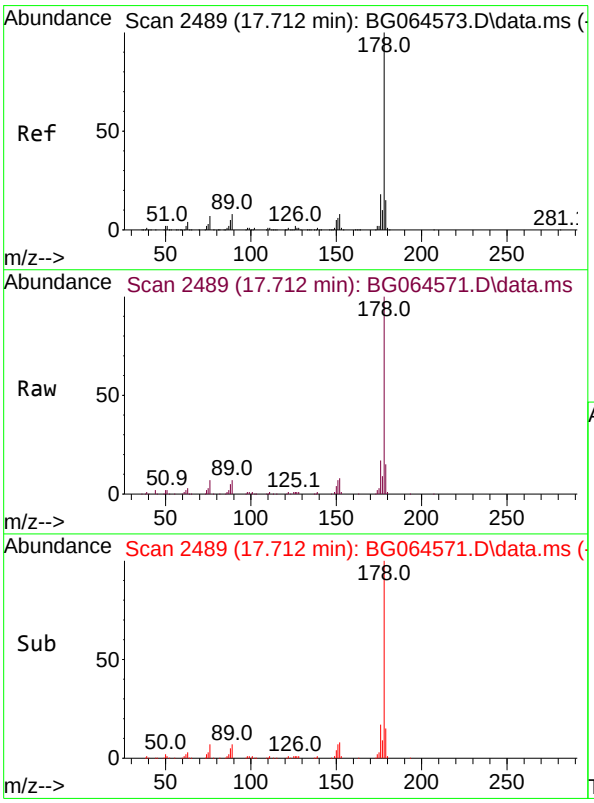
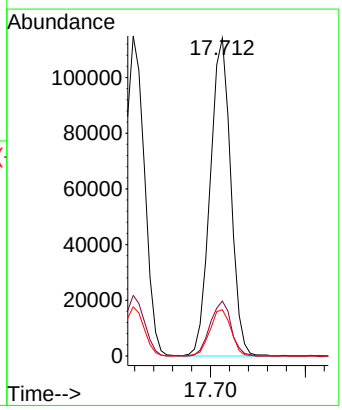
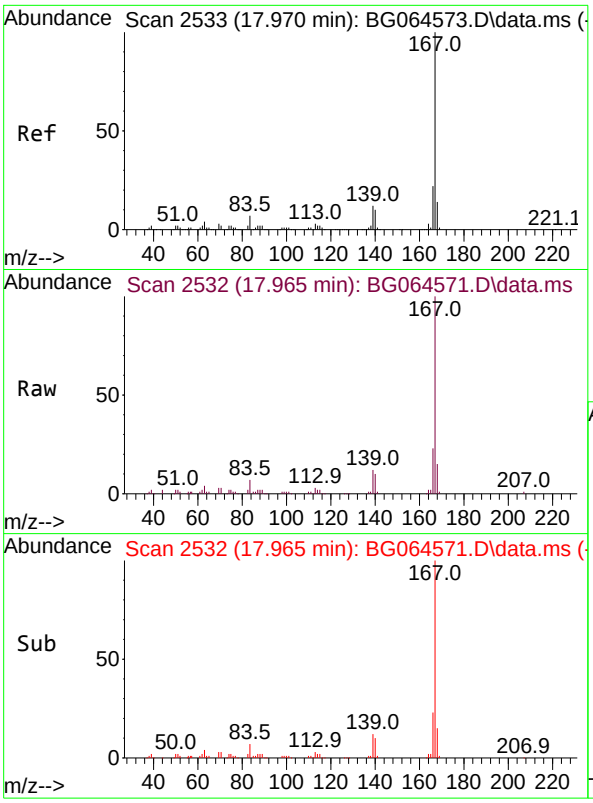


#72
Anthracene
Concen: 10.279 ng
RT: 17.712 min Scan# 2489
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:178 Resp: 171860

Ion	Ratio	Lower	Upper
178	100		
176	17.2	14.4	21.6
179	14.5	12.4	18.6





#73
Carbazole
Concen: 10.575 ng
RT: 17.965 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:167 Resp: 15590

Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.9	26.9
139	11.8	9.7	14.5

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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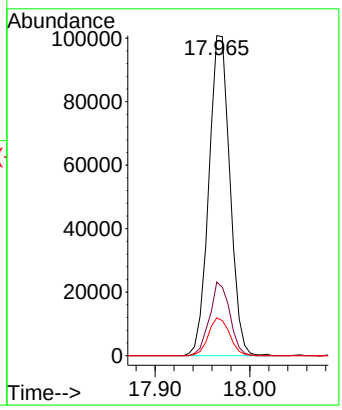
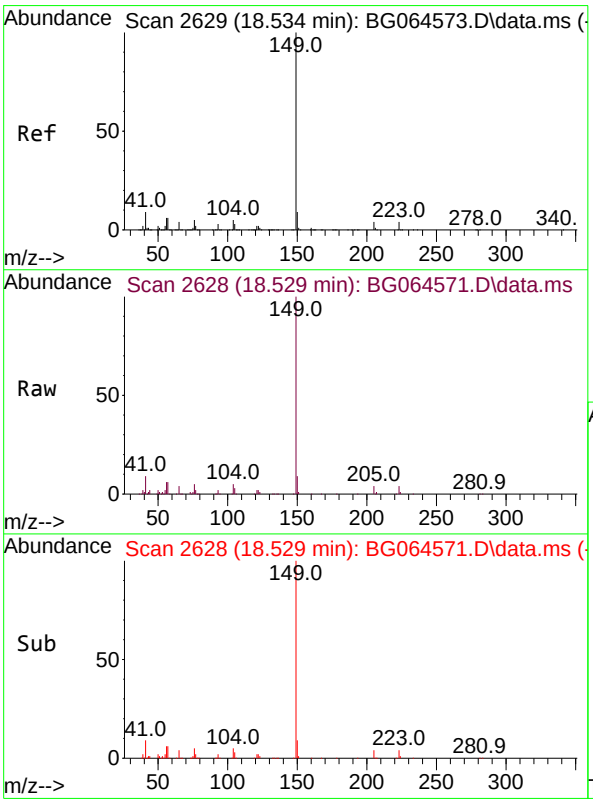
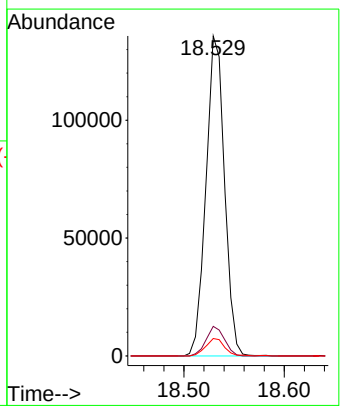


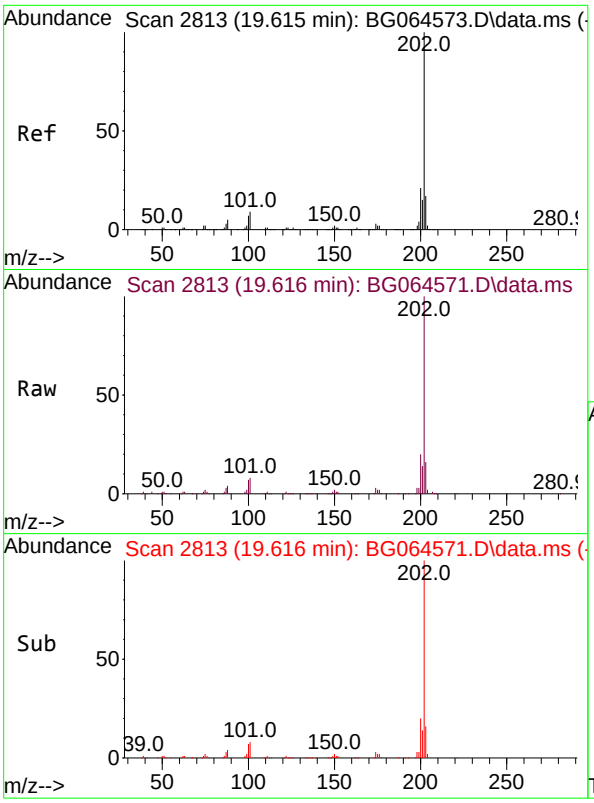


#74
Di-n-butylphthalate
Concen: 10.189 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 173716

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.0	10.6
104	5.5	4.1	6.1

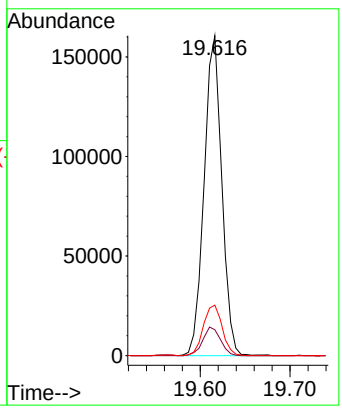




#75
Fluoranthene
Concen: 10.677 ng
RT: 19.616 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:202 Resp: 219838

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	28.7
203	15.8	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
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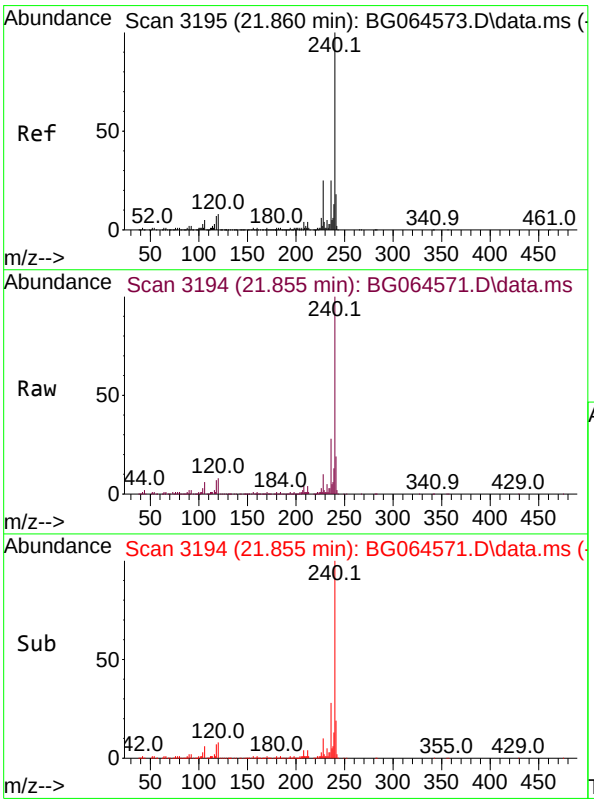
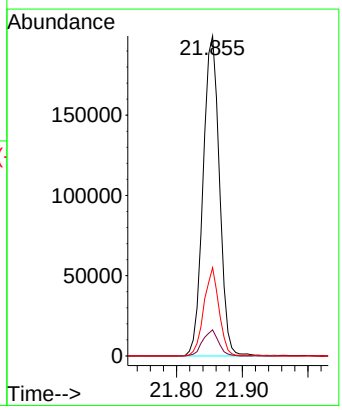
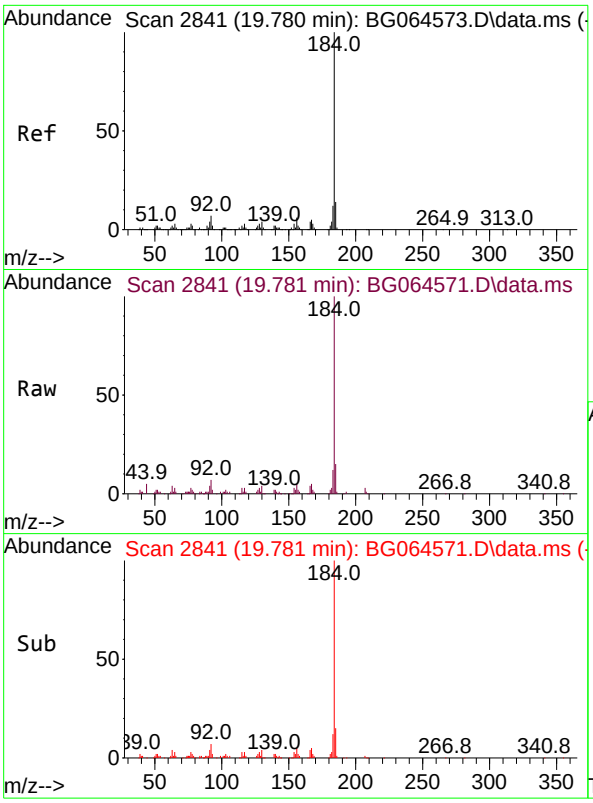


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.855 min Scan# 3194
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:240 Resp: 343958

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.5	9.7
236	27.6	20.2	30.2





#77
Benzidine
Concen: 8.750 ng
RT: 19.781 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:184 Resp: 6742

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.2
183	12.3	9.4	14.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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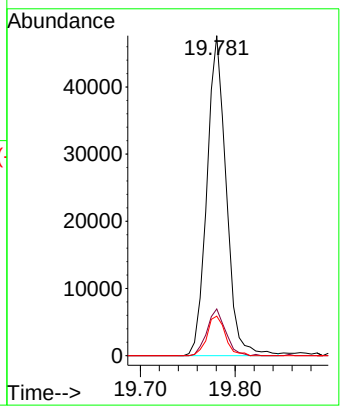
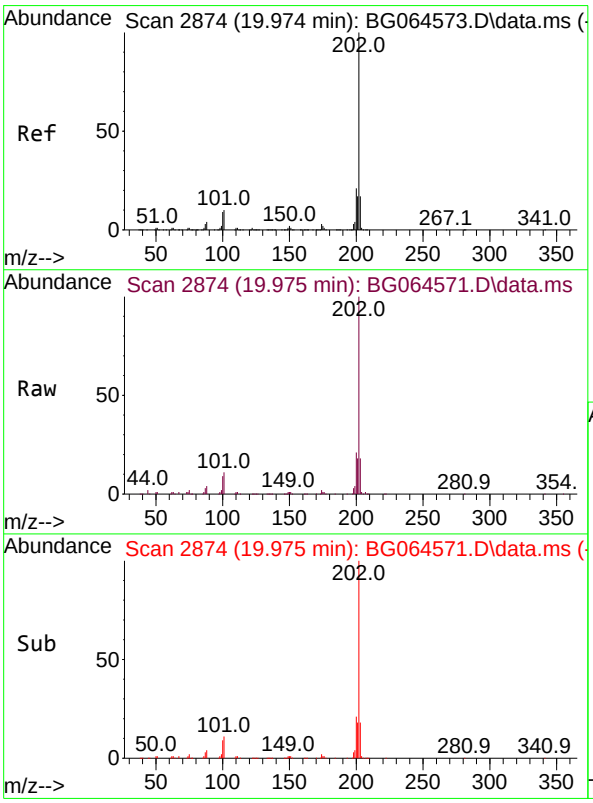
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

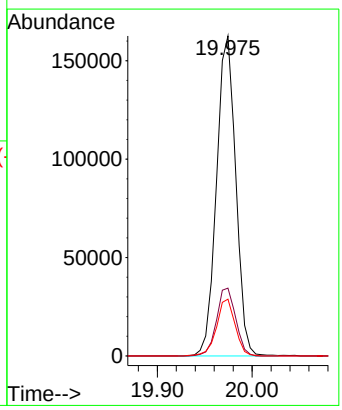


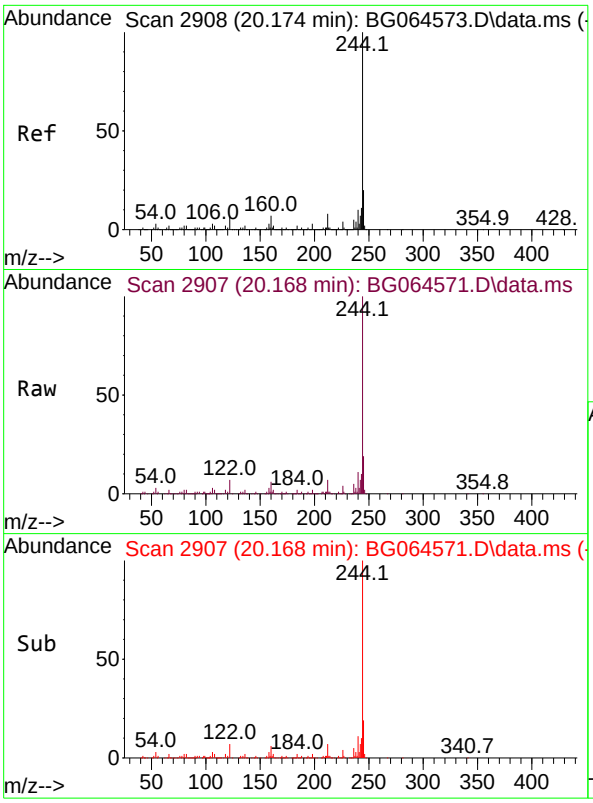


#78
Pyrene
Concen: 10.186 ng
RT: 19.975 min Scan# 2874
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:202 Resp: 228905

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.7	13.8	20.6





#79
Terphenyl-d14
Concen: 21.129 ng
RT: 20.168 min Scan# 29
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 385094

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	7.2	5.6	8.4

Manual Integrations
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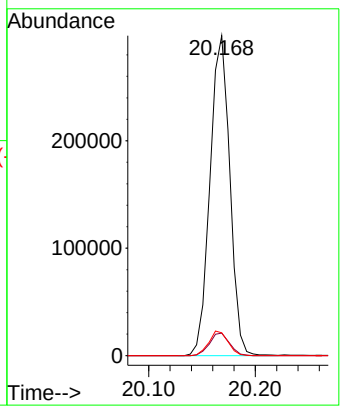
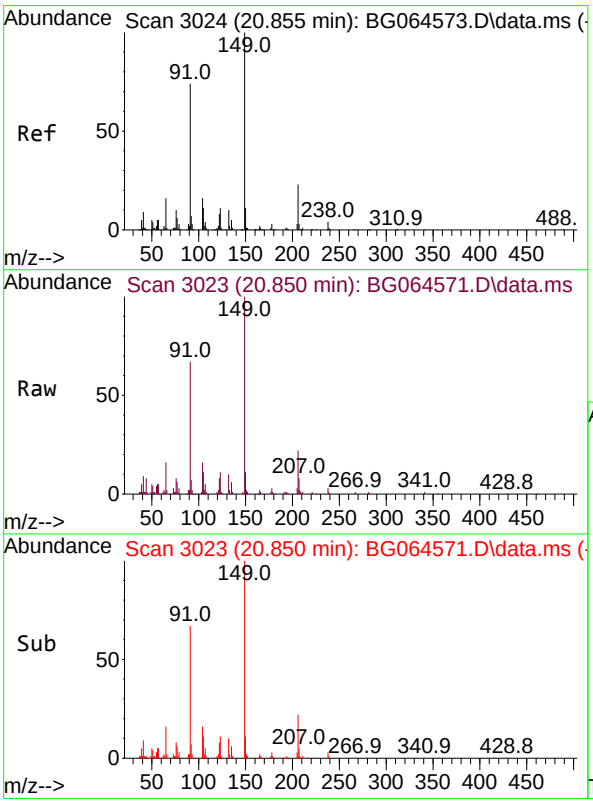
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

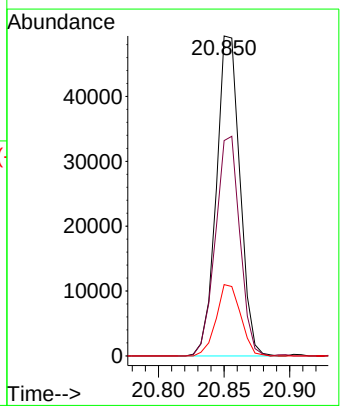


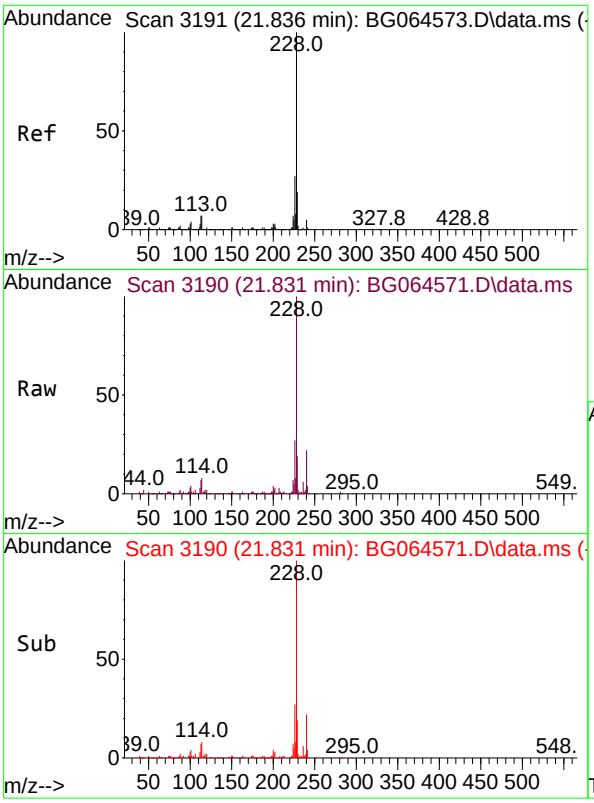


#80
Butylbenzylphthalate
Concen: 9.080 ng
RT: 20.850 min Scan# 3023
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 61669

Ion	Ratio	Lower	Upper
149	100		
91	67.3	59.2	88.8
206	22.3	18.1	27.1

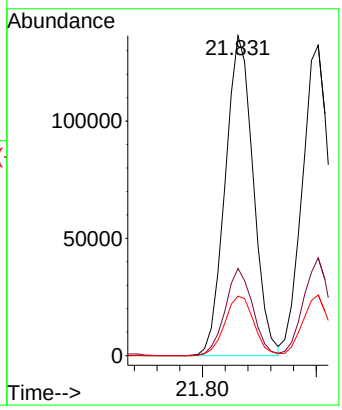




#81
Benzo(a)anthracene
Concen: 10.219 ng
RT: 21.831 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:228 Resp: 233051

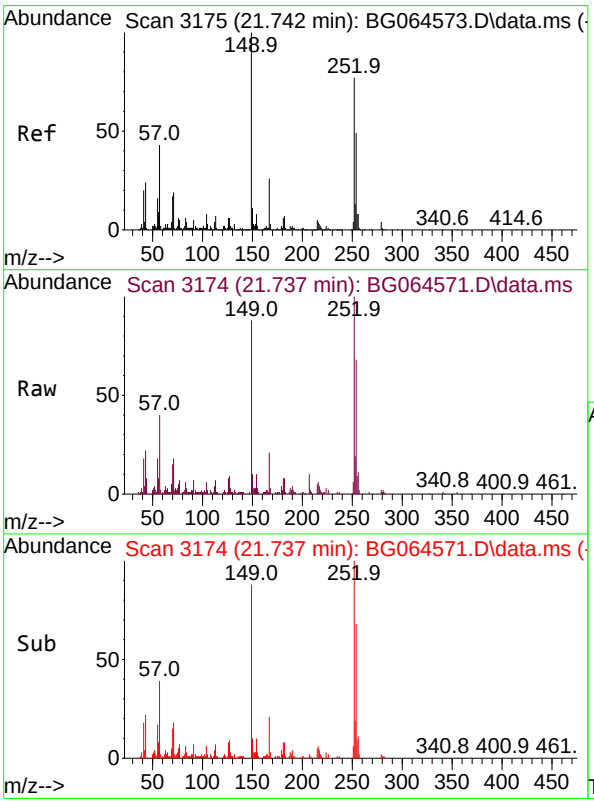
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	18.6	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

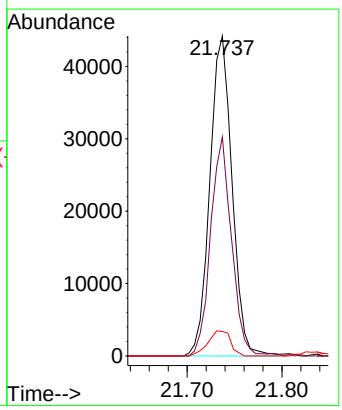
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

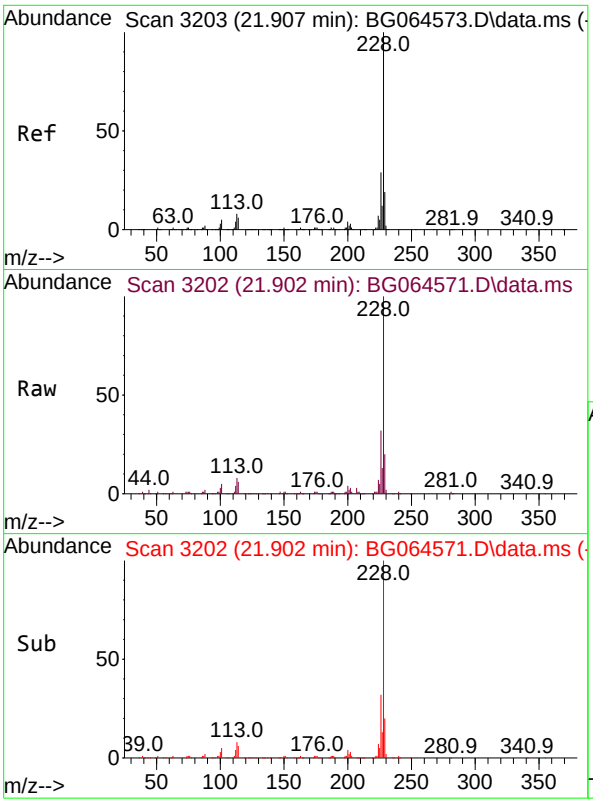


#82
3,3'-Dichlorobenzidine
Concen: 9.448 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 71951

Ion	Ratio	Lower	Upper
252	100		
254	68.4	50.8	76.2
126	7.6	5.8	8.6





#83
Chrysene
Concen: 10.231 ng
RT: 21.902 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

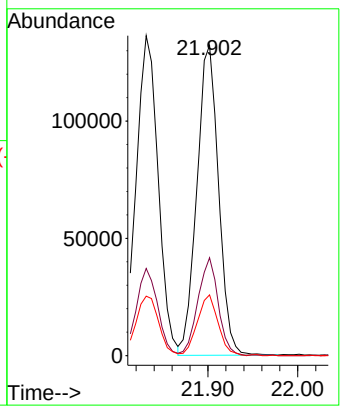
Tgt Ion:228 Resp: 22201

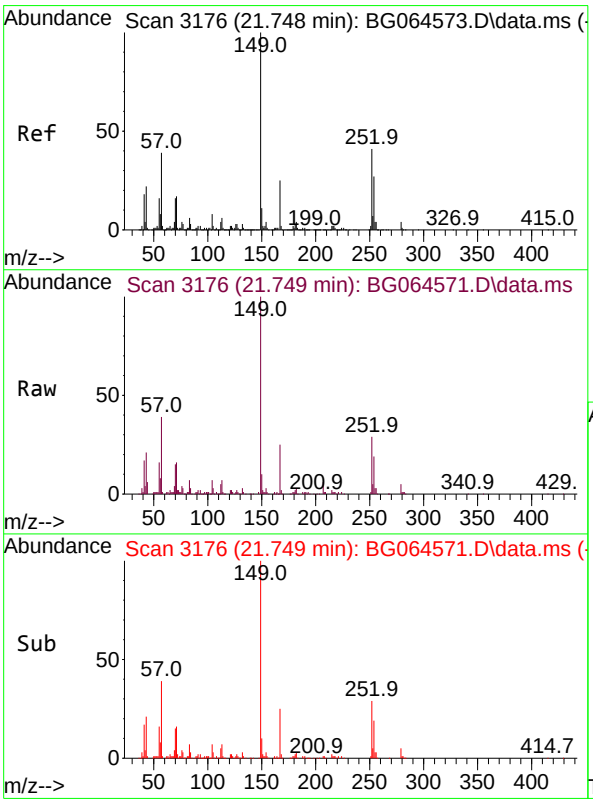
Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.3	34.9
229	19.6	15.2	22.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

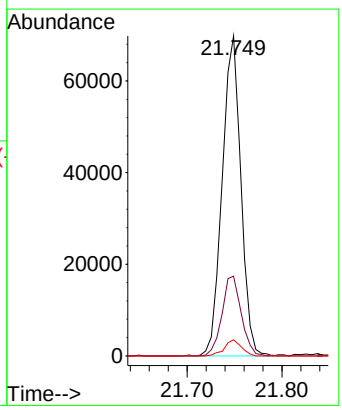


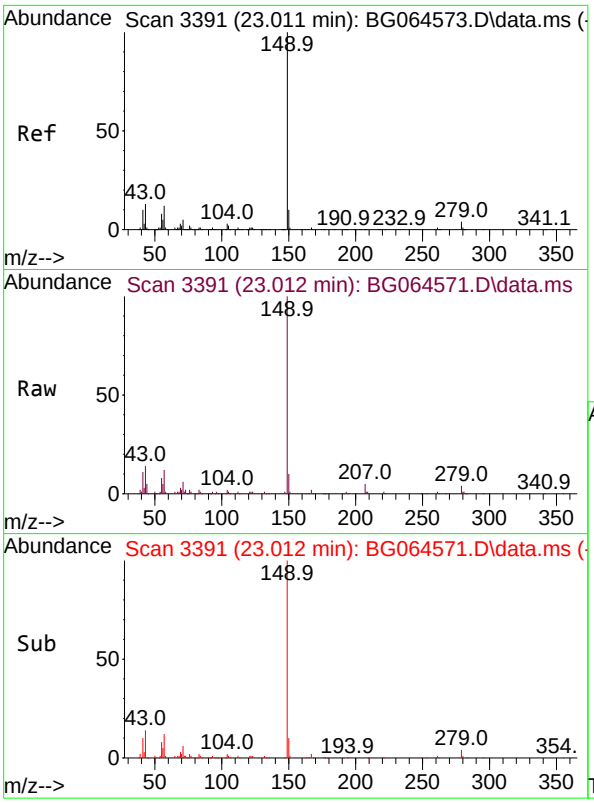


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.410 ng
RT: 21.749 min Scan# 3176
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 95500

Ion	Ratio	Lower	Upper
149	100		
167	24.9	20.0	30.0
279	5.0	3.1	4.7#





#85
Di-n-octyl phthalate
Concen: 8.759 ng
RT: 23.012 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 14987

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.9	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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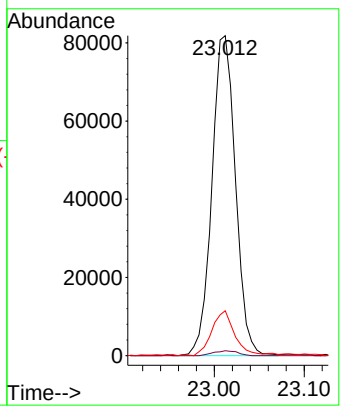
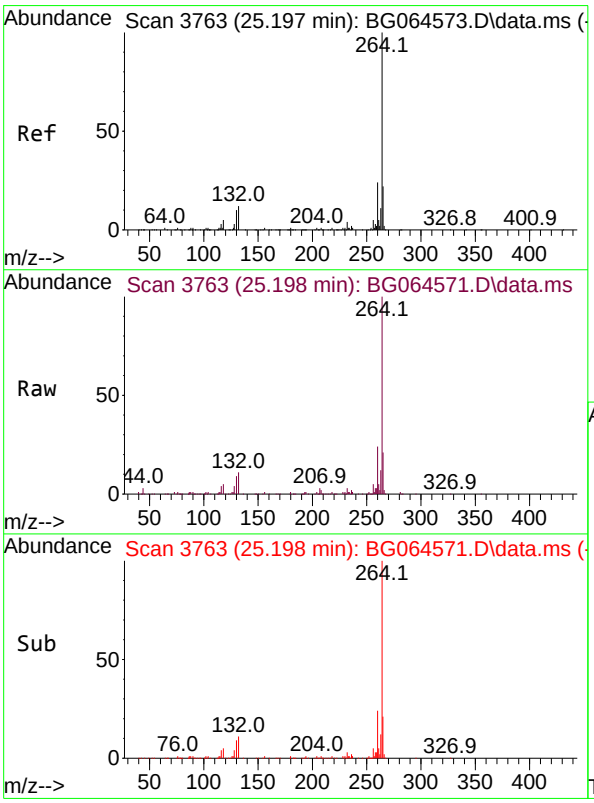
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

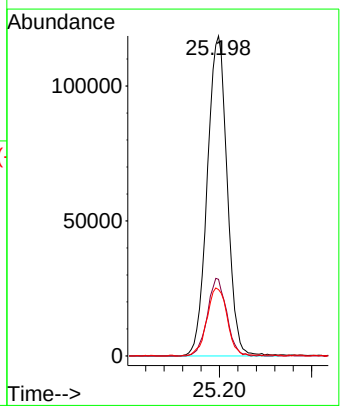


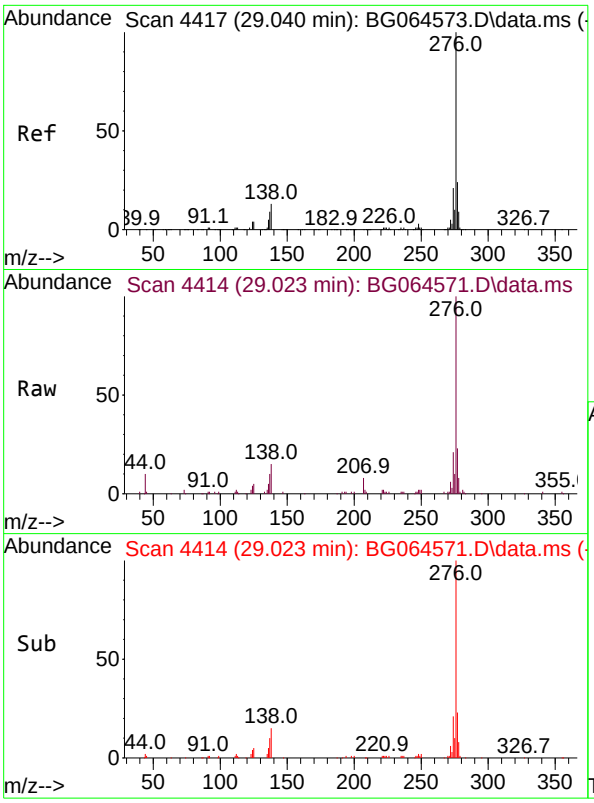


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3763
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:264 Resp: 354939

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	20.7	17.6	26.4

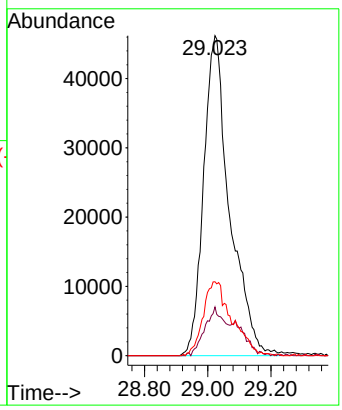




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.132 ng
RT: 29.023 min Scan# 44
Delta R.T. -0.038 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:276 Resp: 26454

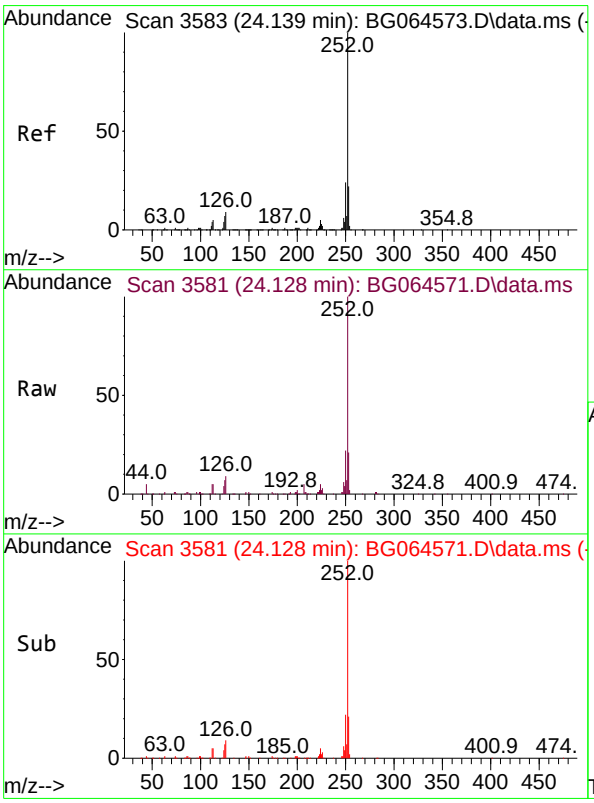
Ion	Ratio	Lower	Upper
276	100		
138	11.8	10.8	16.2
277	20.9	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

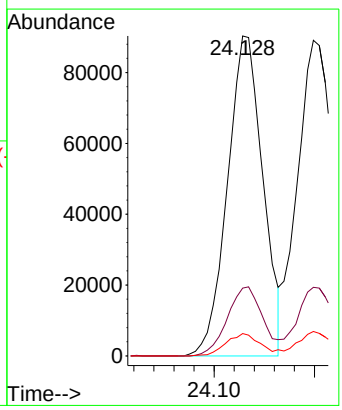
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

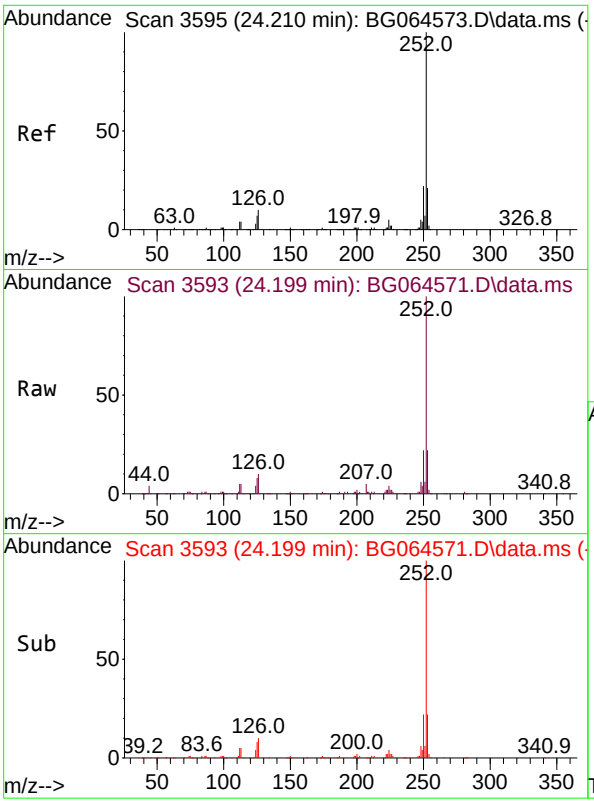


#88
Benzo(b)fluoranthene
Concen: 10.163 ng
RT: 24.128 min Scan# 3581
Delta R.T. -0.015 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 221197

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.8
125	7.0	5.6	8.4

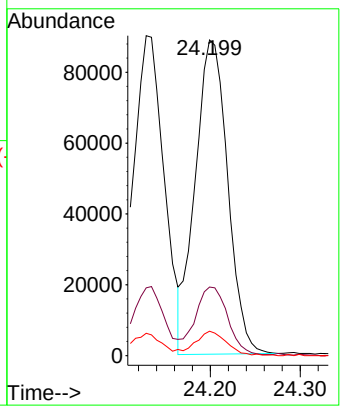




#89
Benzo(k)fluoranthene
Concen: 10.270 ng
RT: 24.199 min Scan# 3
Delta R.T. -0.020 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 22367

Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.8	25.2
125	7.7	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
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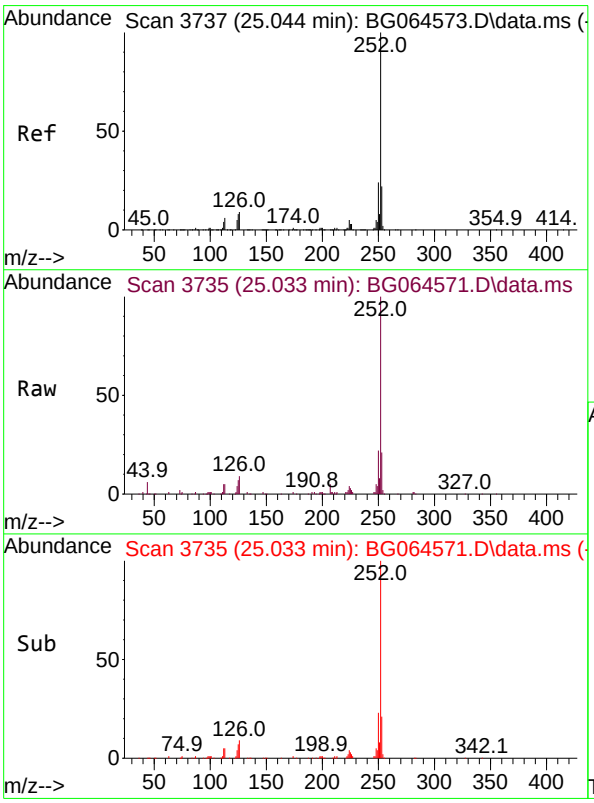
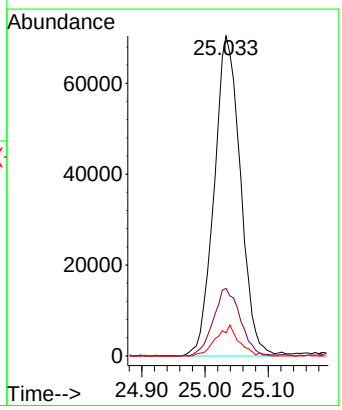
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

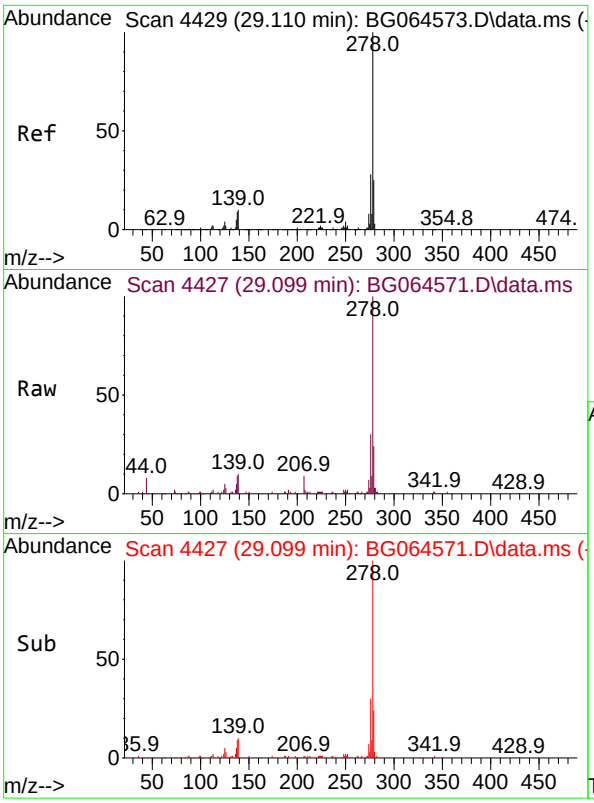


#90
Benzo(a)pyrene
Concen: 10.146 ng
RT: 25.033 min Scan# 3735
Delta R.T. -0.026 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 202985

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4
125	7.2	6.1	9.1

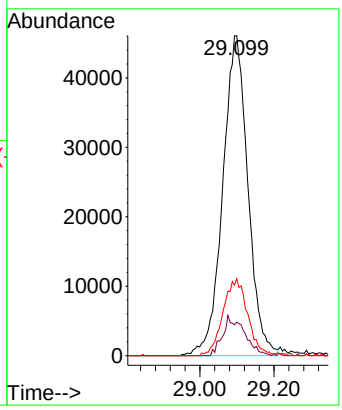




#91
Dibenzo(a,h)anthracene
Concen: 10.235 ng
RT: 29.099 min Scan# 44
Delta R.T. -0.038 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:278 Resp: 21711

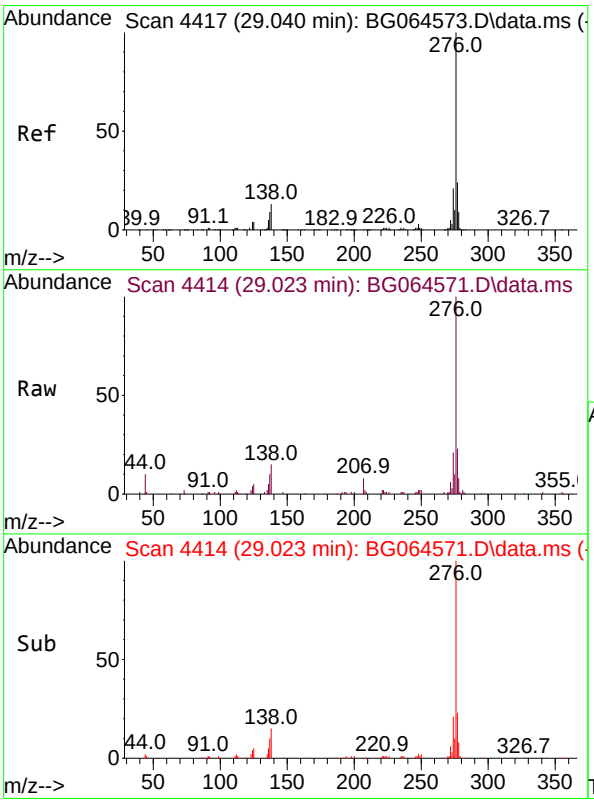
Ion	Ratio	Lower	Upper
278	100		
139	10.4	8.0	12.0
279	24.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

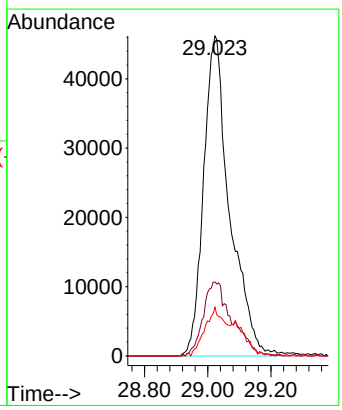
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 10.132 ng
RT: 29.023 min Scan# 4414
Delta R.T. -0.038 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:276 Resp: 264547

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.2	28.8
138	15.2	10.7	16.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064572.D
Acq On : 24 Oct 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 17:11:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.217	152	46818	20.000	ng		0.00
21) Naphthalene-d8	11.049	136	192551	20.000	ng		0.00
39) Acenaphthene-d10	14.845	164	147520	20.000	ng		0.00
64) Phenanthrene-d10	17.577	188	357228	20.000	ng		0.00
76) Chrysene-d12	21.854	240	408574	20.000	ng		0.00
86) Perylene-d12	25.198	264	430370	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.744	112	108123	38.764	ng		0.00
7) Phenol-d6	7.348	99	146608	38.304	ng		0.00
23) Nitrobenzene-d5	9.381	82	121107	37.777	ng		0.00
42) 2,4,6-Tribromophenol	16.320	330	80231	37.682	ng		0.00
45) 2-Fluorobiphenyl	13.470	172	385251	39.584	ng		0.00
79) Terphenyl-d14	20.168	244	870741	40.219	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.588	88	24533	19.867	ng		99
3) Pyridine	3.999	79	72660	19.593	ng		96
4) n-Nitrosodimethylamine	3.905	42	37799	19.007	ng	#	90
6) Aniline	7.530	93	99762	19.155	ng		99
8) 2-Chlorophenol	7.777	128	56018	19.187	ng		93
9) Benzaldehyde	7.342	77	46540	22.273	ng		97
10) Phenol	7.377	94	81849	19.337	ng		97
11) bis(2-Chloroethyl)ether	7.530	93	99762	19.155	ng		97
12) 1,3-Dichlorobenzene	8.112	146	65241	19.415	ng		99
13) 1,4-Dichlorobenzene	8.259	146	67506	19.758	ng		94
14) 1,2-Dichlorobenzene	8.582	146	63867	19.380	ng		99
15) Benzyl Alcohol	8.447	79	59123	18.732	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.740	45	158985	19.476	ng		97
17) 2-Methylphenol	8.447	107	30239	19.167	ng		94
18) Hexachloroethane	9.322	117	23663	19.735	ng		97
19) n-Nitroso-di-n-propyla...	9.022	70	52857	19.982	ng	#	94
20) 3+4-Methylphenols	8.969	107	74026	18.730	ng		94
22) Acetophenone	9.040	105	101737	19.328	ng		96
24) Nitrobenzene	9.422	77	66292	19.012	ng		95
25) Isophorone	9.951	82	148388	19.290	ng		98
26) 2-Nitrophenol	10.145	139	21166	17.837	ng		92
27) 2,4-Dimethylphenol	10.192	122	54972	18.834	ng		90
28) bis(2-Chloroethoxy)met...	10.432	93	85225	19.458	ng		97
29) 2,4-Dichlorophenol	10.679	162	60695	19.710	ng		96
30) 1,2,4-Trichlorobenzene	10.908	180	67078	19.171	ng		97
31) Naphthalene	11.096	128	208734	19.552	ng		99
32) Benzoic acid	10.274	122	27545m	18.129	ng		
33) 4-Chloroaniline	11.190	127	79067	19.055	ng		96
34) Hexachlorobutadiene	11.390	225	54233	19.820	ng		98
35) Caprolactam	11.931	113	22010	18.635	ng		93
36) 4-Chloro-3-methylphenol	12.289	107	69582	18.798	ng		92
37) 2-Methylnaphthalene	12.689	142	153445	19.577	ng		97
38) 1-Methylnaphthalene	12.906	142	149456	19.379	ng		97
40) 1,2,4,5-Tetrachloroben...	13.053	216	95653	19.320	ng		99
41) Hexachlorocyclopentadiene	13.035	237	41178	18.479	ng		97
43) 2,4,6-Trichlorophenol	13.276	196	55295	19.525	ng		95

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064572.D
Acq On : 24 Oct 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.347	196	64753	19.814	ng		93
46) 1,1'-Biphenyl	13.682	154	206656	19.705	ng		94
47) 2-Chloronaphthalene	13.729	162	155356	19.625	ng		99
48) 2-Nitroaniline	13.911	65	40854	17.565	ng		98
49) Acenaphthylene	14.563	152	242914	19.454	ng		98
50) Dimethylphthalate	14.281	163	219575	19.452	ng		99
51) 2,6-Dinitrotoluene	14.393	165	28427	17.440	ng		96
52) Acenaphthene	14.904	154	164542	19.287	ng		96
53) 3-Nitroaniline	14.722	138	37234	19.193	ng	#	99
54) 2,4-Dinitrophenol	14.921	184	16182	18.744	ng	#	29
55) Dibenzofuran	15.239	168	269419	19.534	ng		98
56) 4-Nitrophenol	15.009	139	31366	17.439	ng		90
57) 2,4-Dinitrotoluene	15.180	165	44209	17.427	ng	#	96
58) Fluorene	15.885	166	210426	19.536	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.456	232	59314	18.980	ng		99
60) Diethylphthalate	15.644	149	223398	19.382	ng		99
61) 4-Chlorophenyl-phenyle...	15.873	204	116865	19.333	ng		98
62) 4-Nitroaniline	15.879	138	42261	19.582	ng		99
63) Azobenzene	16.161	77	203101	19.205	ng		99
65) 4,6-Dinitro-2-methylph...	15.944	198	22843	18.316	ng		92
66) n-Nitrosodiphenylamine	16.079	169	187560	19.437	ng		98
67) 4-Bromophenyl-phenylether	16.766	248	82311	19.444	ng		98
68) Hexachlorobenzene	16.890	284	93647	19.391	ng		96
69) Atrazine	17.019	200	88832	21.392	ng		95
70) Pentachlorophenol	17.219	266	54275	18.022	ng		88
71) Phenanthrene	17.618	178	383359	19.624	ng		99
72) Anthracene	17.712	178	393312	19.792	ng		100
73) Carbazole	17.971	167	350722	20.014	ng		99
74) Di-n-butylphthalate	18.529	149	421239	20.788	ng		100
75) Fluoranthene	19.616	202	492924	20.142	ng		99
77) Benzidine	19.780	184	194070	21.201	ng		99
78) Pyrene	19.974	202	524431	19.646	ng		99
80) Butylbenzylphthalate	20.856	149	158394	19.633	ng		97
81) Benzo(a)anthracene	21.837	228	528009	19.490	ng		100
82) 3,3'-Dichlorobenzidine	21.737	252	174803	19.323	ng		99
83) Chrysene	21.901	228	502125	19.479	ng		97
84) Bis(2-ethylhexyl)phtha...	21.749	149	237524	19.703	ng		100
85) Di-n-octyl phthalate	23.012	149	380895	18.740	ng		99
87) Indeno(1,2,3-cd)pyrene	29.028	276	606702	19.163	ng		99
88) Benzo(b)fluoranthene	24.134	252	503145	19.066	ng		98
89) Benzo(k)fluoranthene	24.205	252	518915	19.650	ng		99
90) Benzo(a)pyrene	25.039	252	470556	19.398	ng		98
91) Dibenzo(a,h)anthracene	29.099	278	498395	19.377	ng		97
92) Benzo(g,h,i)perylene	29.028	276	606702	19.163	ng		100

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

ICAL Form

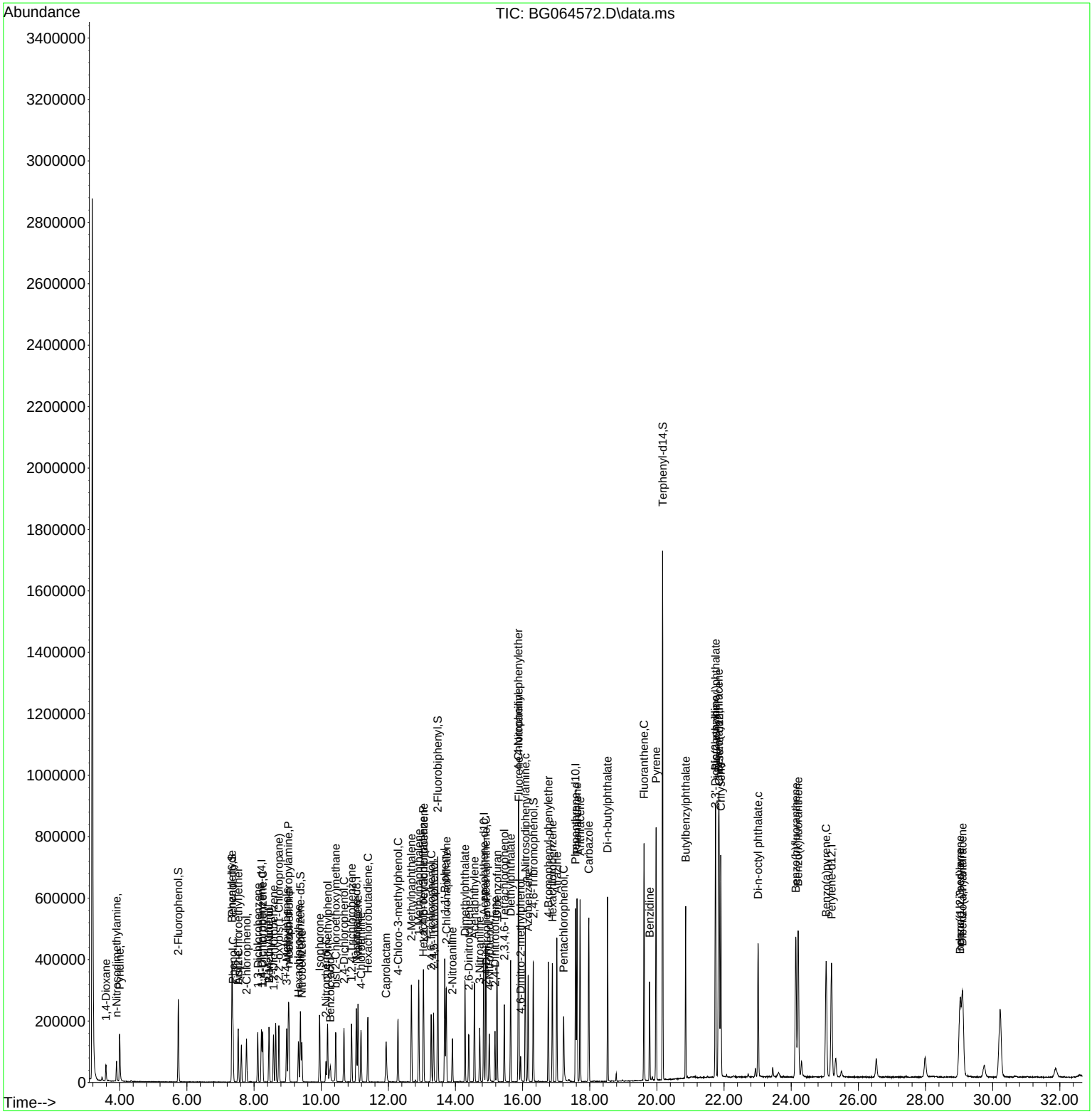
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064572.D
Acq On : 24 Oct 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

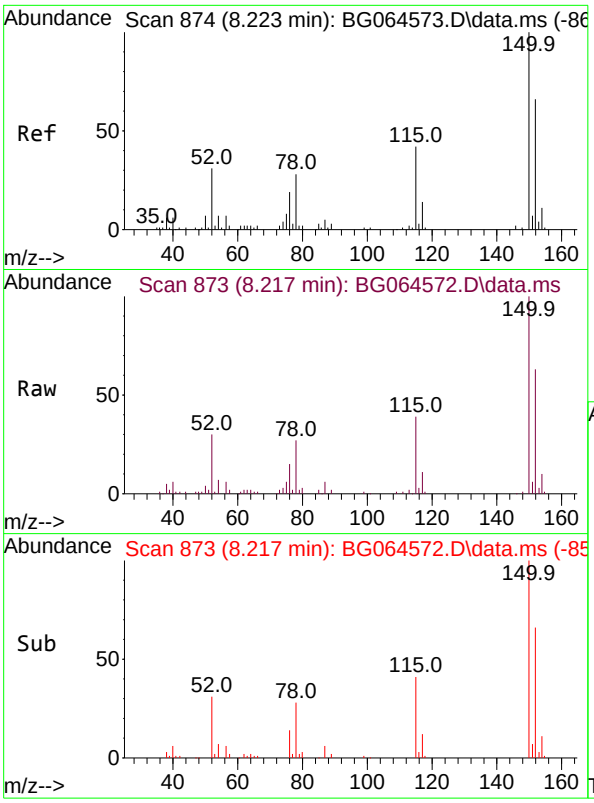
Quant Time: Oct 24 17:11:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

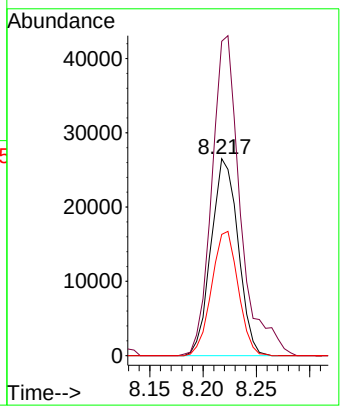




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:152 Resp: 4681

Ion	Ratio	Lower	Upper
152	100		
150	159.6	122.2	183.4
115	61.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025
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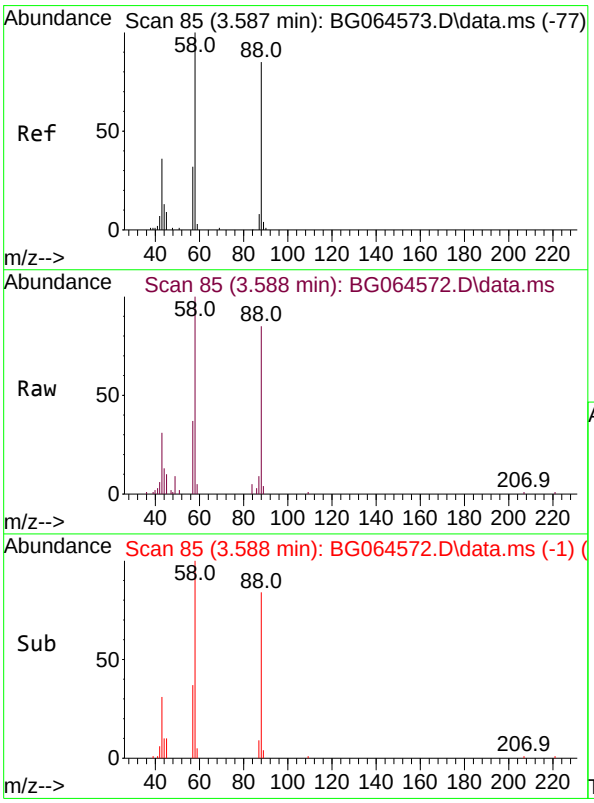
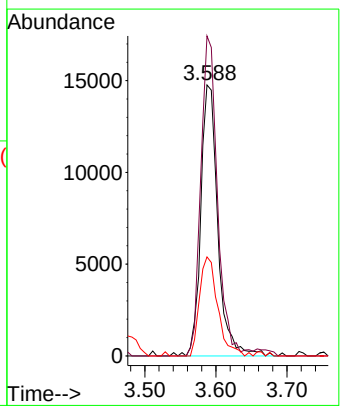
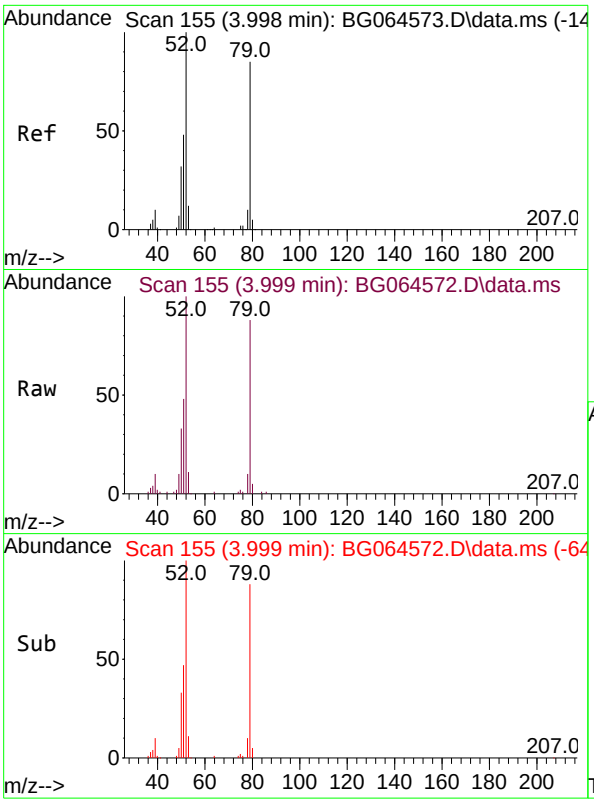


#2
1,4-Dioxane
Concen: 19.867 ng
RT: 3.588 min Scan# 85
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 88 Resp: 24533

Ion	Ratio	Lower	Upper
88	100		
58	114.9	92.4	138.6
43	38.9	33.0	49.6

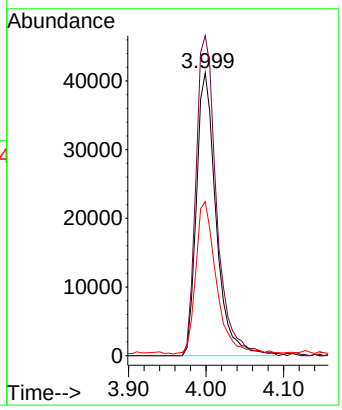




#3
Pyridine
Concen: 19.593 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 79 Resp: 7266

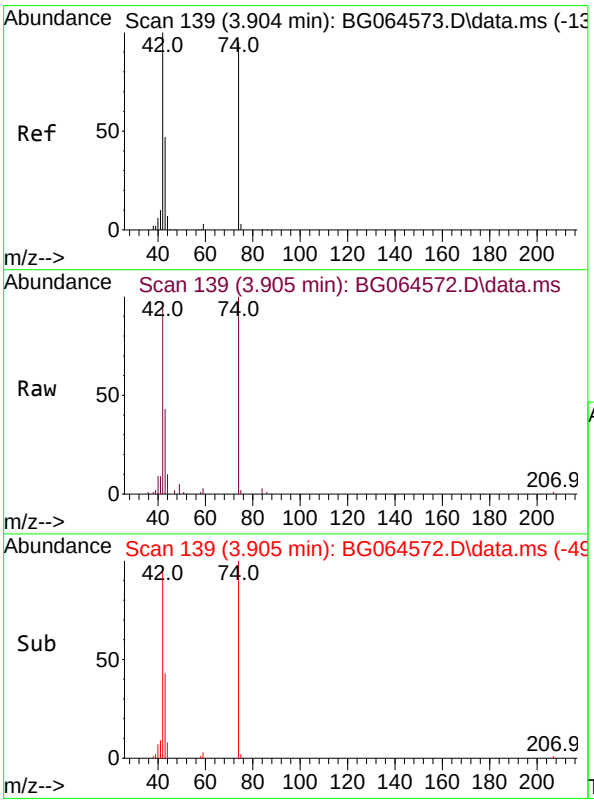
Ion	Ratio	Lower	Upper
79	100		
52	113.1	94.2	141.2
51	54.4	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

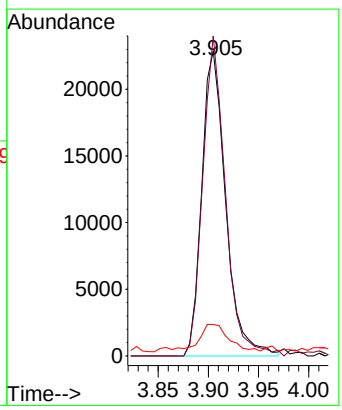
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

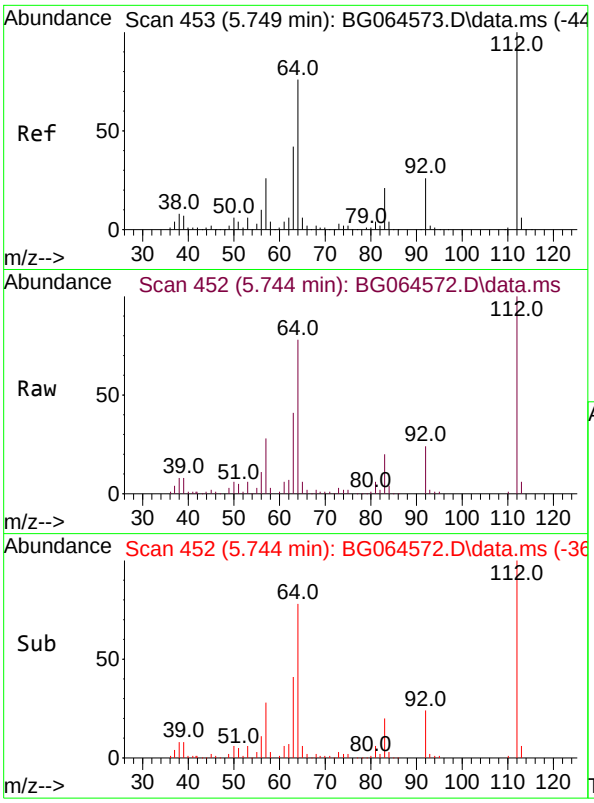


#4
n-Nitrosodimethylamine
Concen: 19.007 ng
RT: 3.905 min Scan# 139
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 42 Resp: 37799

Ion	Ratio	Lower	Upper
42	100		
74	105.0	76.1	114.1
44	10.3	6.3	9.5#

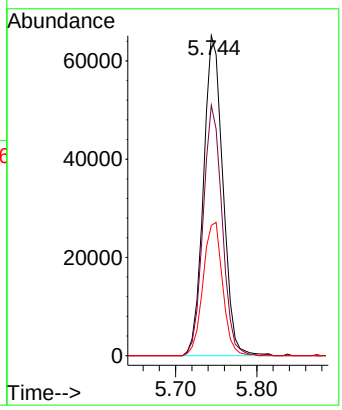




#5
2-Fluorophenol
Concen: 38.764 ng
RT: 5.744 min Scan# 4
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:112 Resp: 10812

Ion	Ratio	Lower	Upper
112	100		
64	78.2	60.7	91.1
63	40.7	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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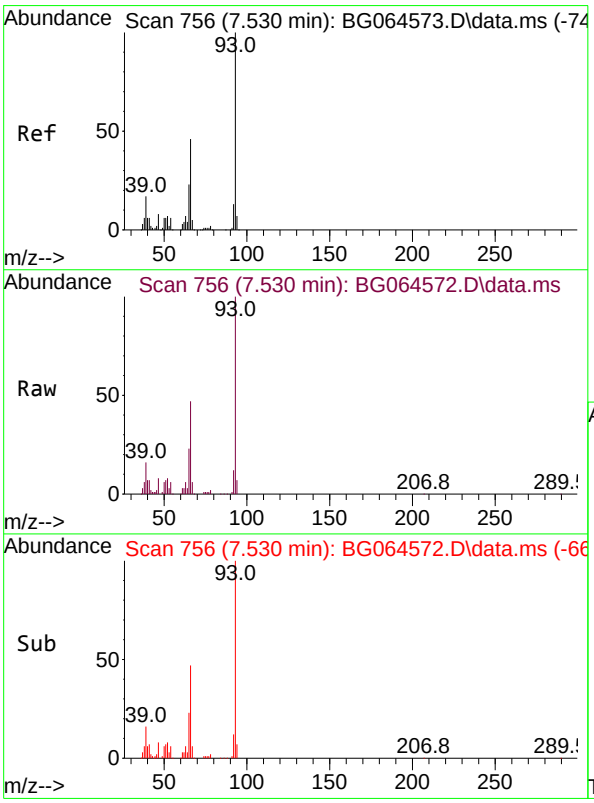
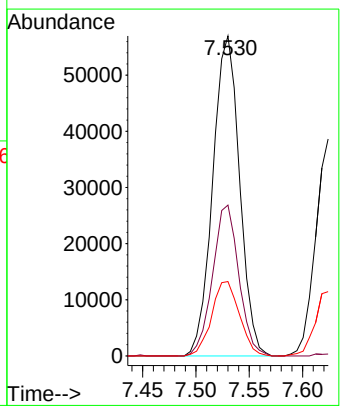
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

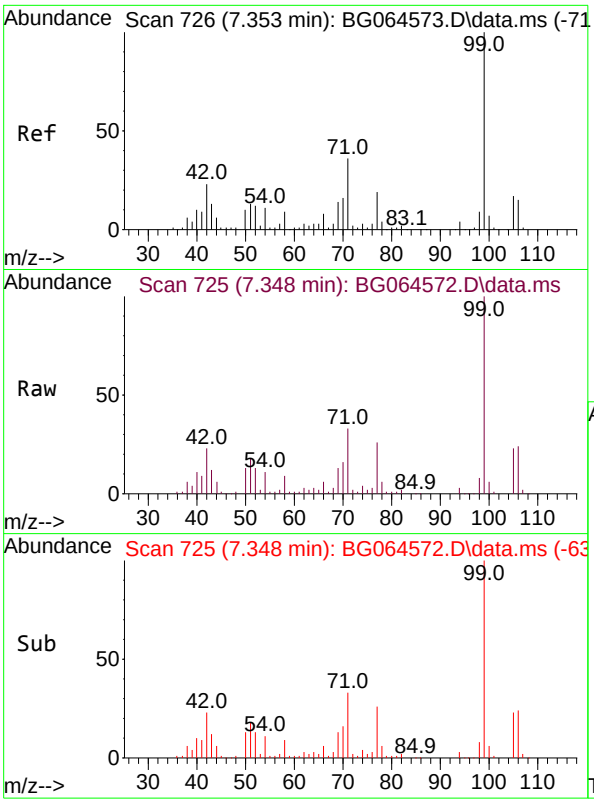


#6
Aniline
Concen: 19.155 ng
RT: 7.530 min Scan# 756
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 93 Resp: 99762

Ion	Ratio	Lower	Upper
93	100		
66	47.2	37.0	55.6
65	23.2	18.3	27.5

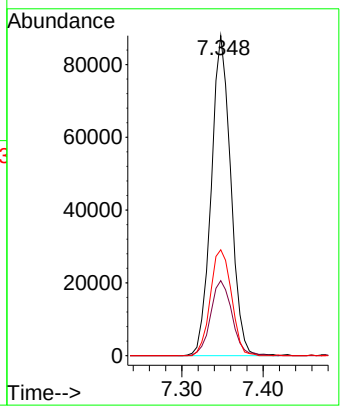




#7
Phenol-d6
Concen: 38.304 ng
RT: 7.348 min Scan# 7
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 99 Resp: 14660

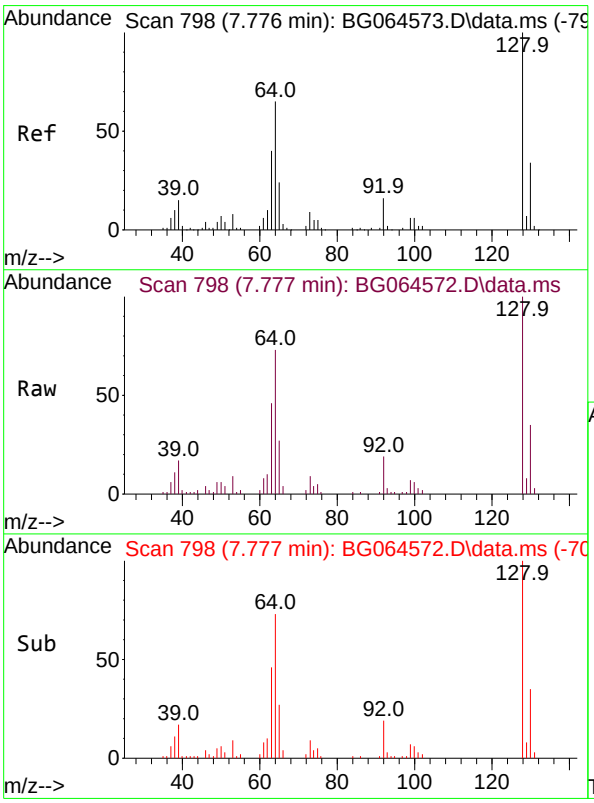
Ion	Ratio	Lower	Upper
99	100		
42	23.4	18.3	27.5
71	33.1	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

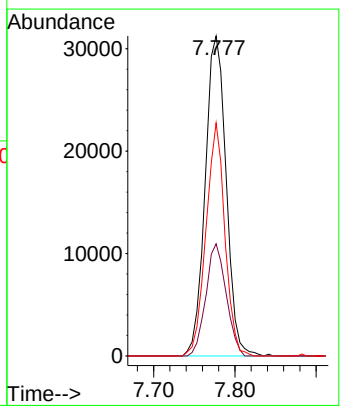
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

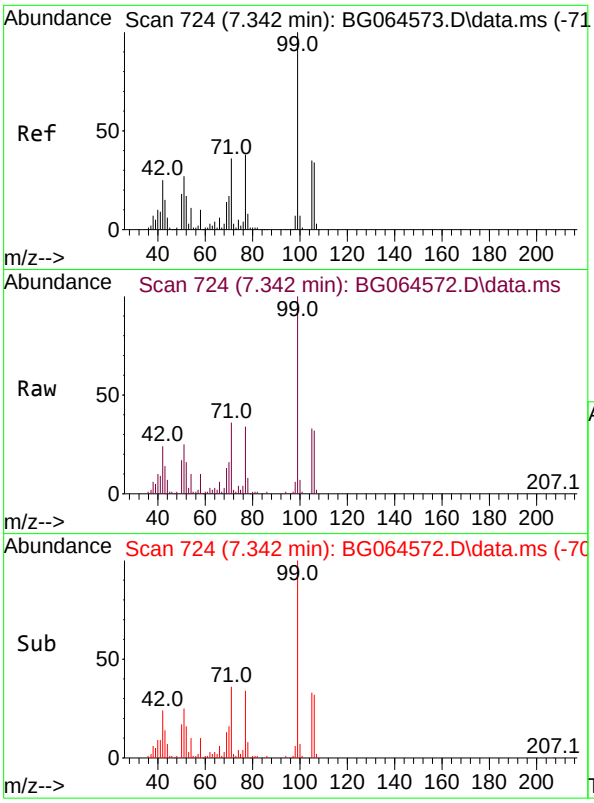


#8
2-Chlorophenol
Concen: 19.187 ng
RT: 7.777 min Scan# 798
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:128 Resp: 56018

Ion	Ratio	Lower	Upper
128	100		
130	35.0	13.5	53.5
64	72.8	45.2	85.2

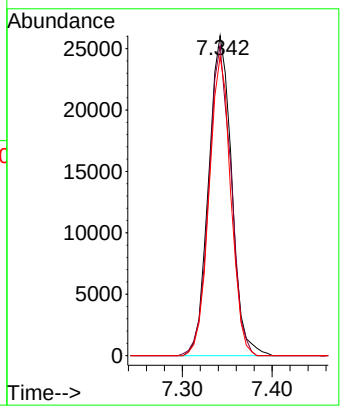




#9
Benzaldehyde
Concen: 22.273 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 77 Resp: 4654

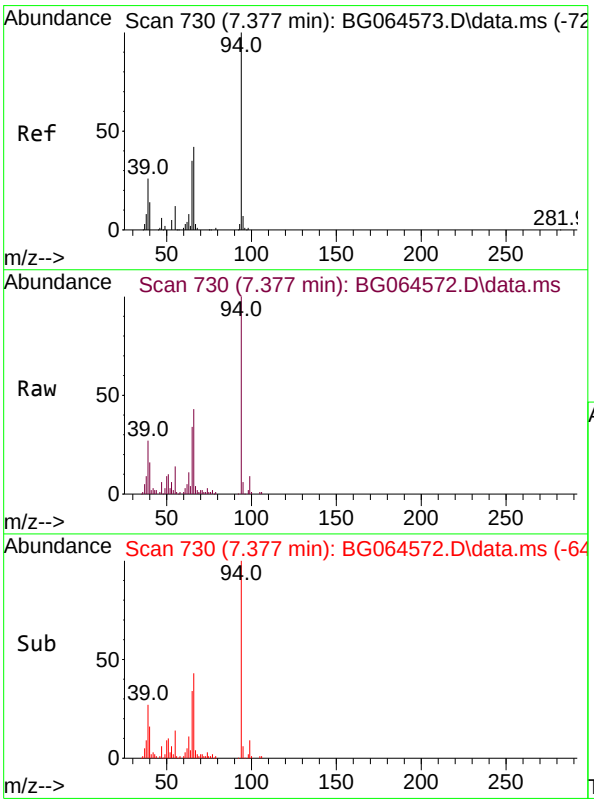
Ion	Ratio	Lower	Upper
77	100		
105	96.8	72.9	112.9
106	93.4	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

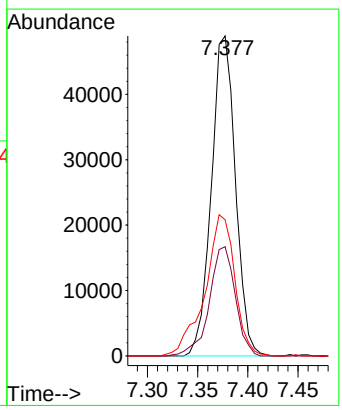
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

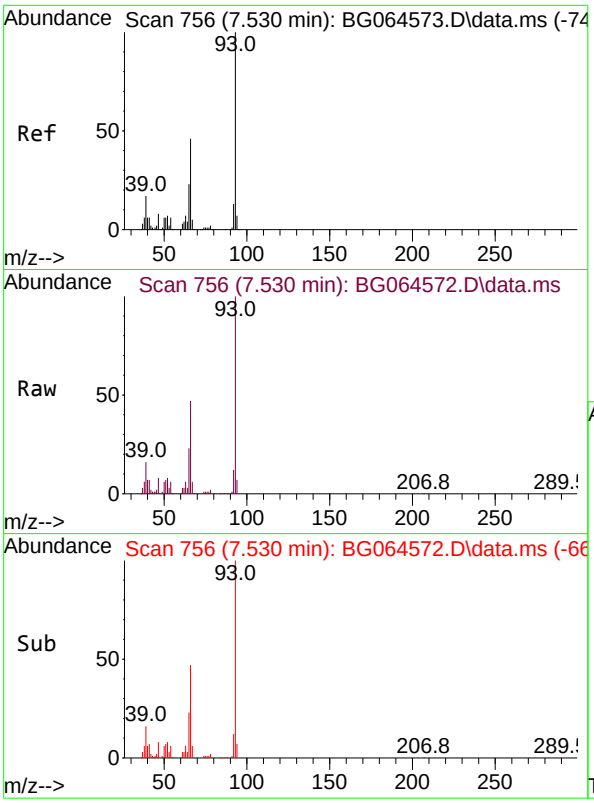


#10
Phenol
Concen: 19.337 ng
RT: 7.377 min Scan# 730
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 94 Resp: 81849

Ion	Ratio	Lower	Upper
94	100		
65	34.1	15.8	55.8
66	42.5	24.0	64.0

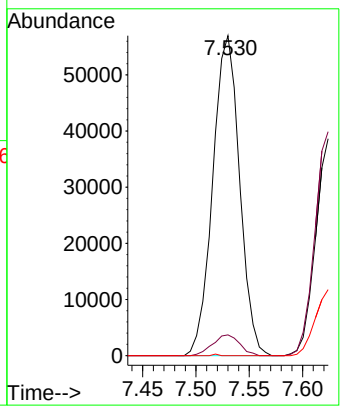




#11
bis(2-Chloroethyl)ether
Concen: 19.155 ng
RT: 7.530 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 93 Resp: 9976

Ion	Ratio	Lower	Upper
93	100		
63	6.5	0.0	27.4
95	0.0	0.0	20.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
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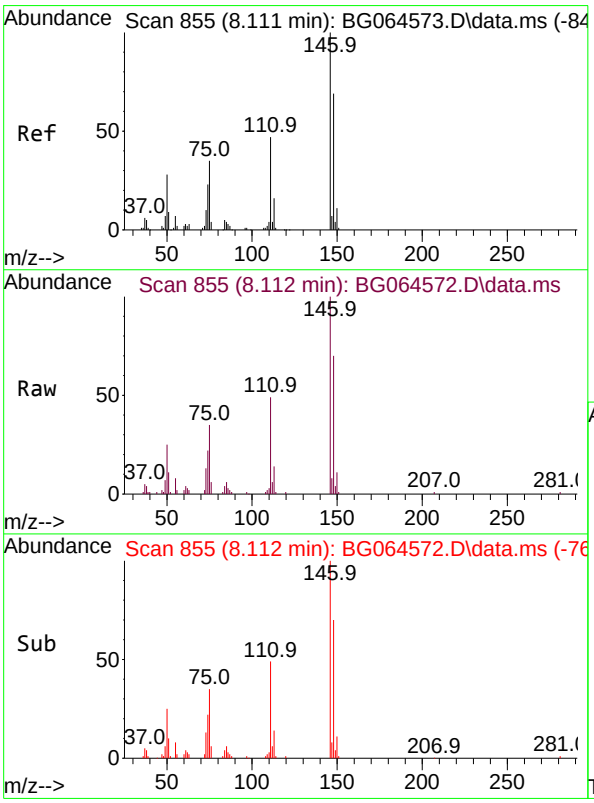
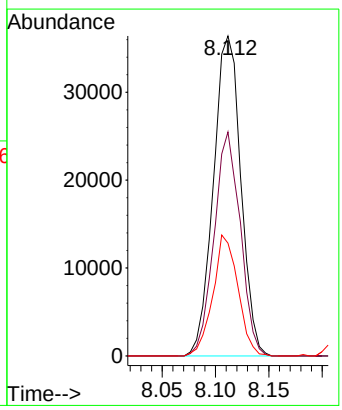
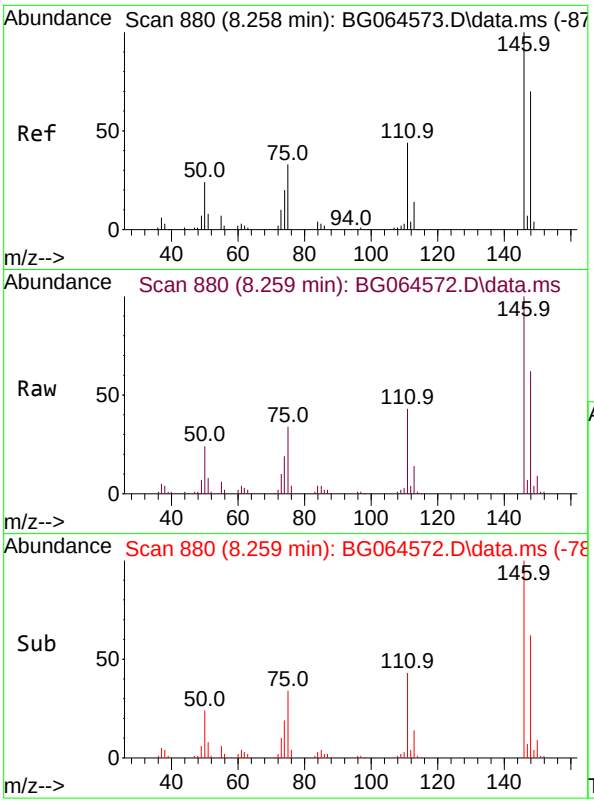


#12
1,3-Dichlorobenzene
Concen: 19.415 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:146 Resp: 65241

Ion	Ratio	Lower	Upper
146	100		
148	70.0	55.3	82.9
75	35.2	28.2	42.2

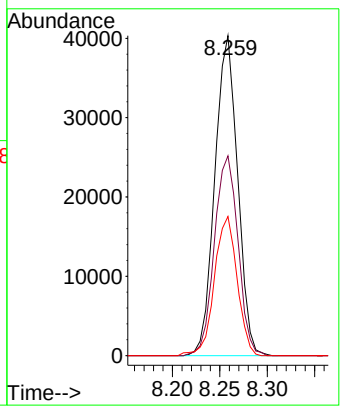




#13
1,4-Dichlorobenzene
Concen: 19.758 ng
RT: 8.259 min Scan# 88
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:146 Resp: 6750

Ion	Ratio	Lower	Upper
146	100		
148	62.4	56.2	84.4
111	43.5	35.4	53.0



Instrument :
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ClientSampleId :
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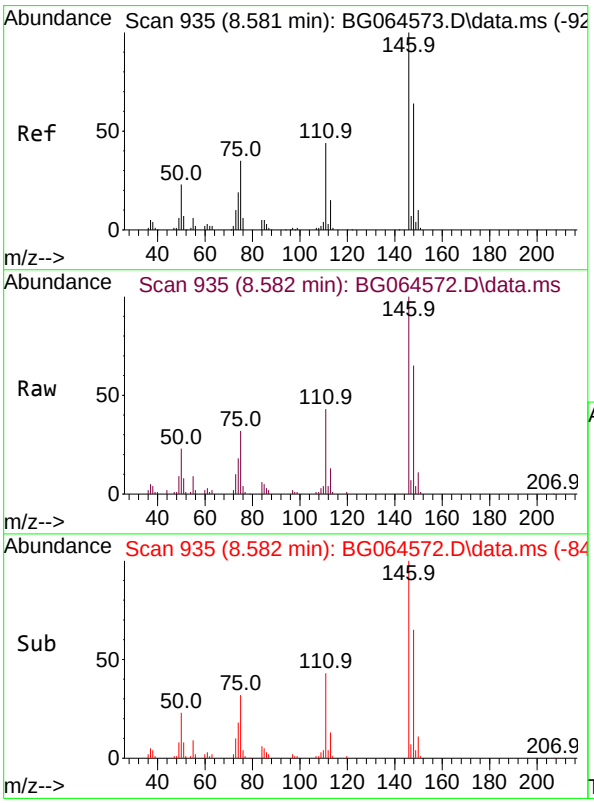
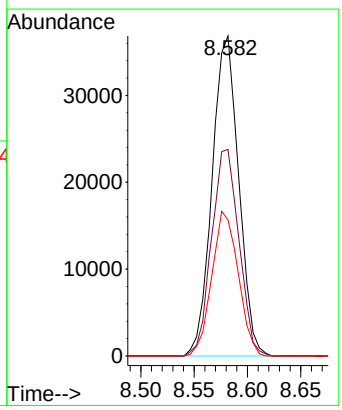
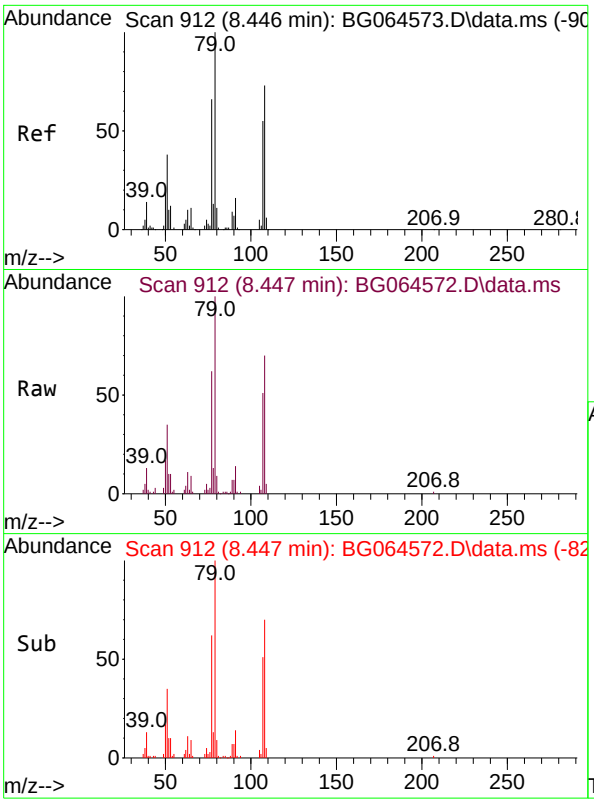


#14
1,2-Dichlorobenzene
Concen: 19.380 ng
RT: 8.582 min Scan# 935
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:146 Resp: 63867

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.5	77.3
111	42.5	35.0	52.6





#15
Benzyl Alcohol
Concen: 18.732 ng
RT: 8.447 min Scan# 91
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 79 Resp: 5912

Ion	Ratio	Lower	Upper
79	100		
108	70.4	58.1	87.1
77	62.4	52.8	79.2

Instrument :
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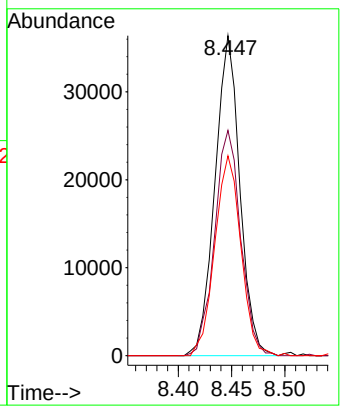
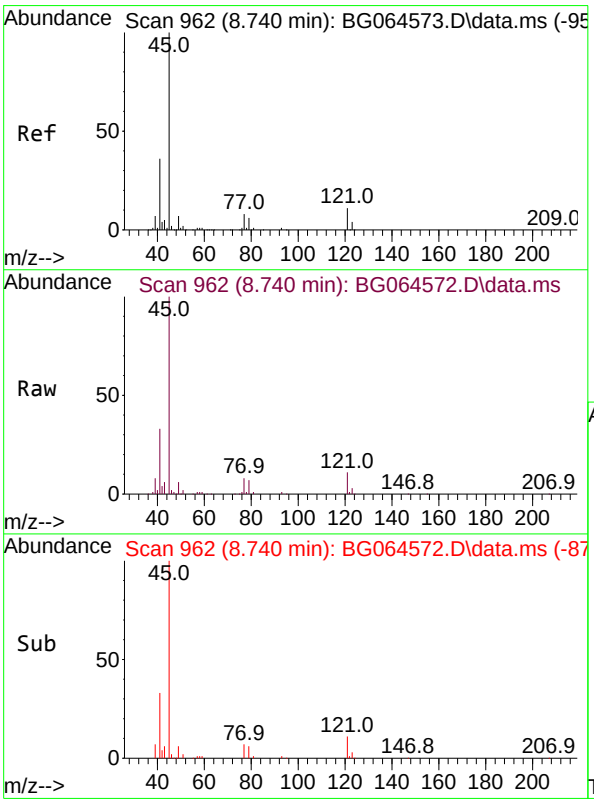
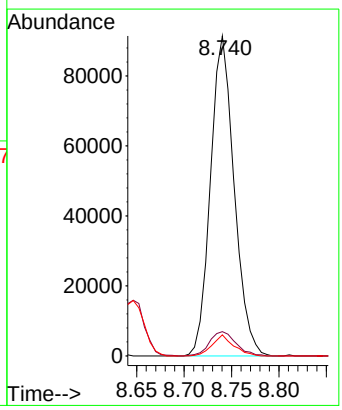


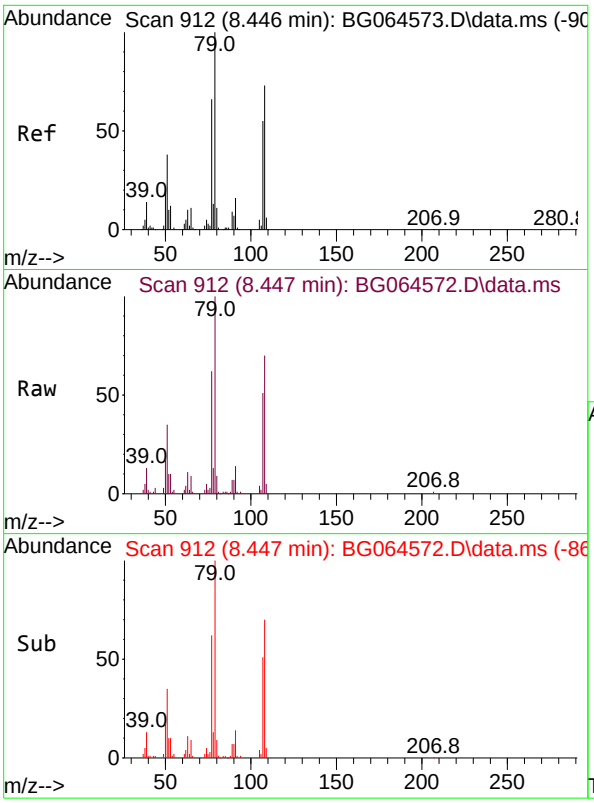


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.476 ng
RT: 8.740 min Scan# 962
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 45 Resp: 158985

Ion	Ratio	Lower	Upper
45	100		
77	7.6	0.0	28.5
79	6.6	0.0	25.6

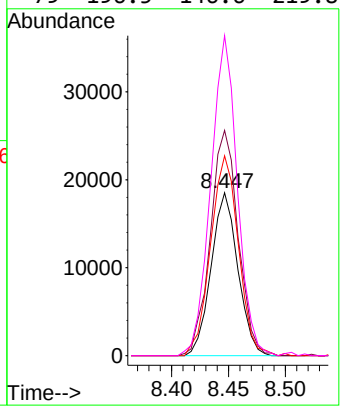




#17
2-Methylphenol
Concen: 19.167 ng
RT: 8.447 min Scan# 91
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:107 Resp: 3023

Ion	Ratio	Lower	Upper
107	100		
108	138.3	106.4	159.6
77	122.7	96.7	145.1
79	196.5	146.6	219.8



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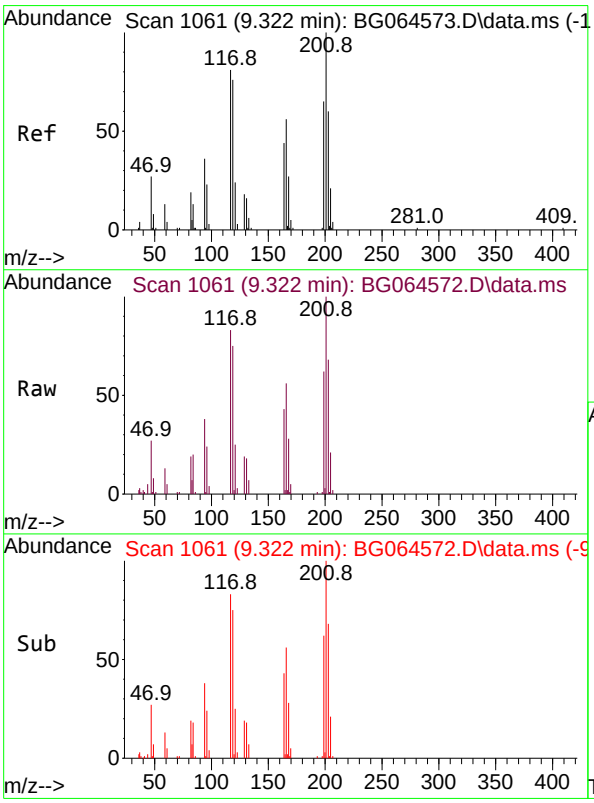
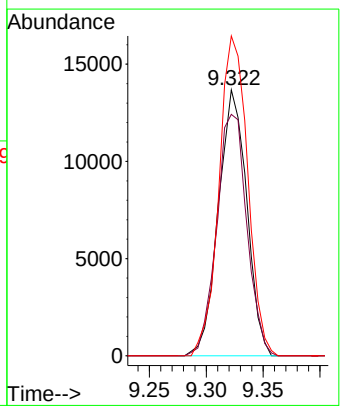
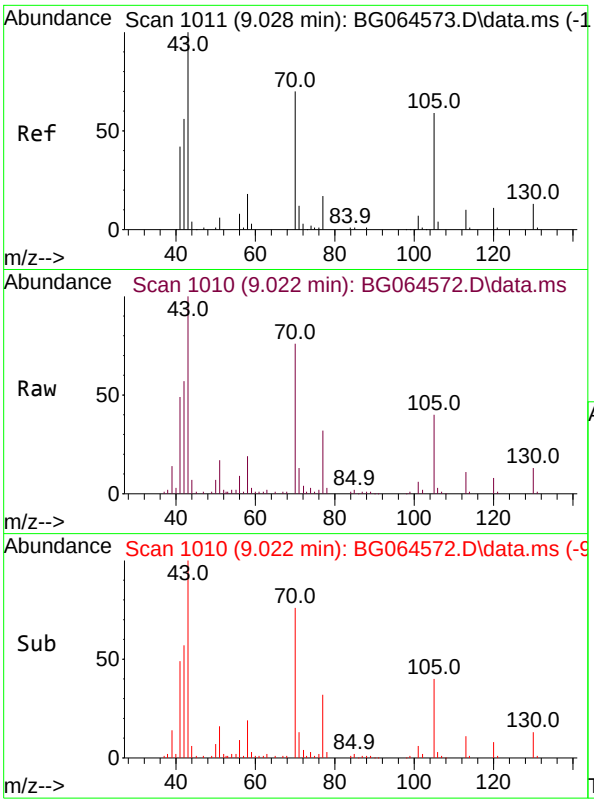


#18
Hexachloroethane
Concen: 19.735 ng
RT: 9.322 min Scan# 1061
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:117 Resp: 23663

Ion	Ratio	Lower	Upper
117	100		
119	90.8	75.4	113.2
201	120.3	99.2	148.8

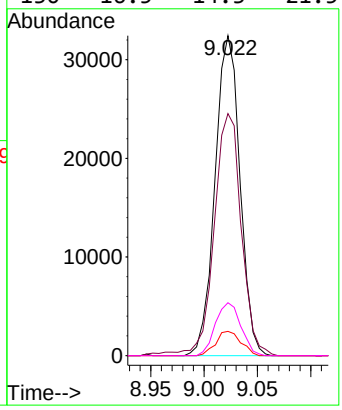




#19
n-Nitroso-di-n-propylamine
Concen: 19.982 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 70 Resp: 5285

Ion	Ratio	Lower	Upper
70	100		
42	75.6	65.2	97.8
101	7.6	7.9	11.9#
130	16.5	14.3	21.5



Instrument :
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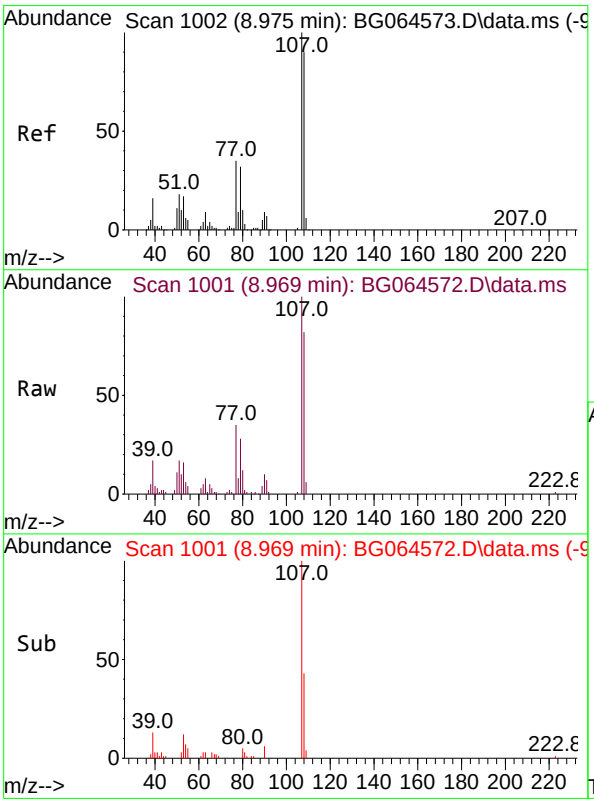
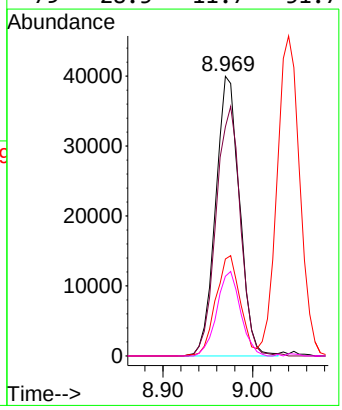
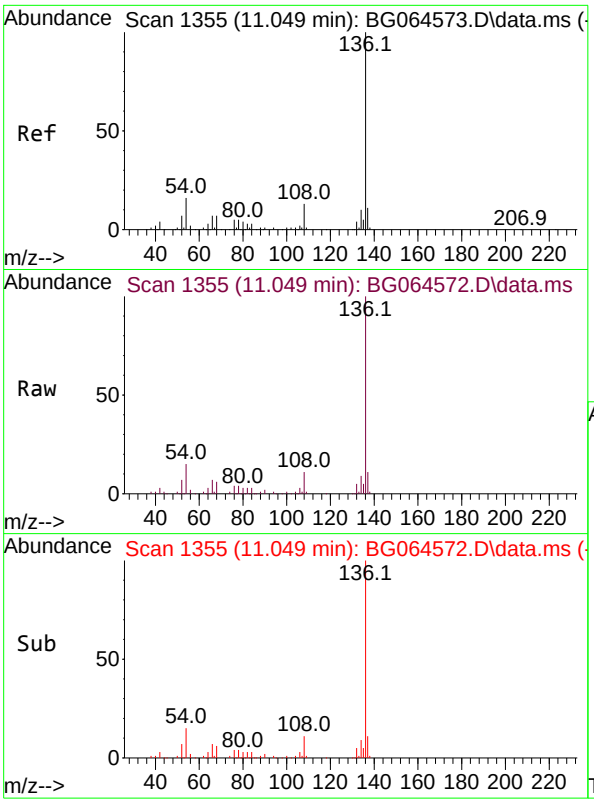


#20
3+4-Methylphenols
Concen: 18.730 ng
RT: 8.969 min Scan# 1001
Delta R.T. -0.015 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:107 Resp: 74026

Ion	Ratio	Lower	Upper
107	100		
108	81.9	70.3	110.3
77	34.6	14.6	54.6
79	28.5	11.7	51.7

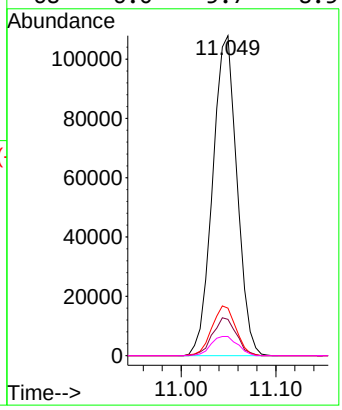




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:136 Resp: 19255

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	14.8	12.6	19.0
68	6.0	5.7	8.5



Instrument :
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ClientSampleId :
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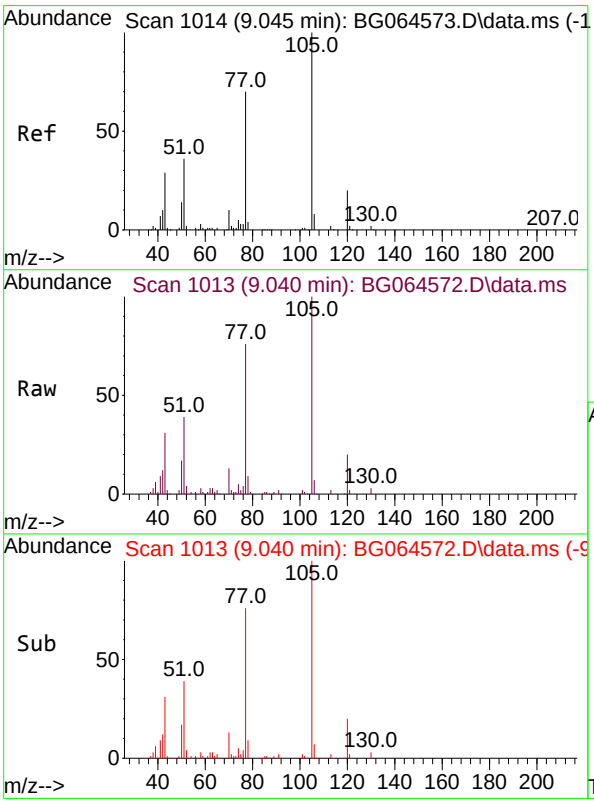
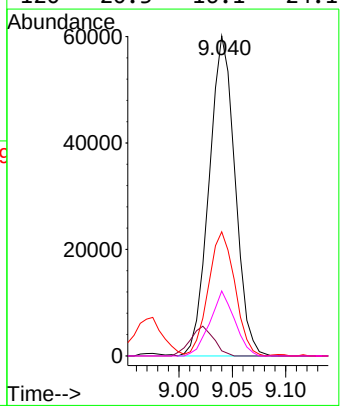
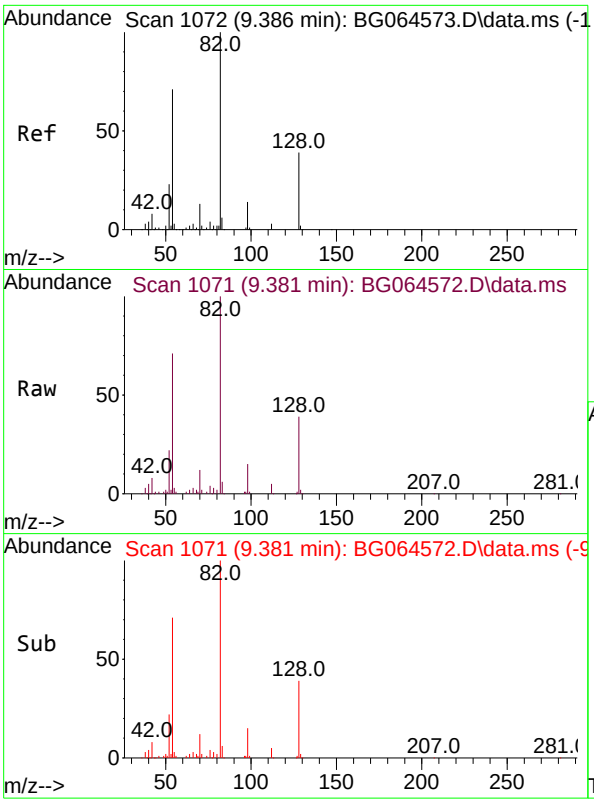


#22
Acetophenone
Concen: 19.328 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:105 Resp: 101737

Ion	Ratio	Lower	Upper
105	100		
71	1.6	1.5	2.3
51	38.8	33.7	50.5
120	20.3	16.1	24.1

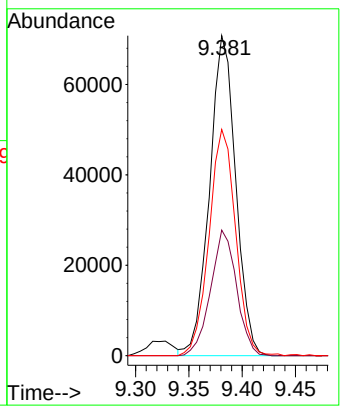




#23
Nitrobenzene-d5
Concen: 37.777 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 82 Resp: 12110

Ion	Ratio	Lower	Upper
82	100		
128	39.2	31.3	46.9
54	70.7	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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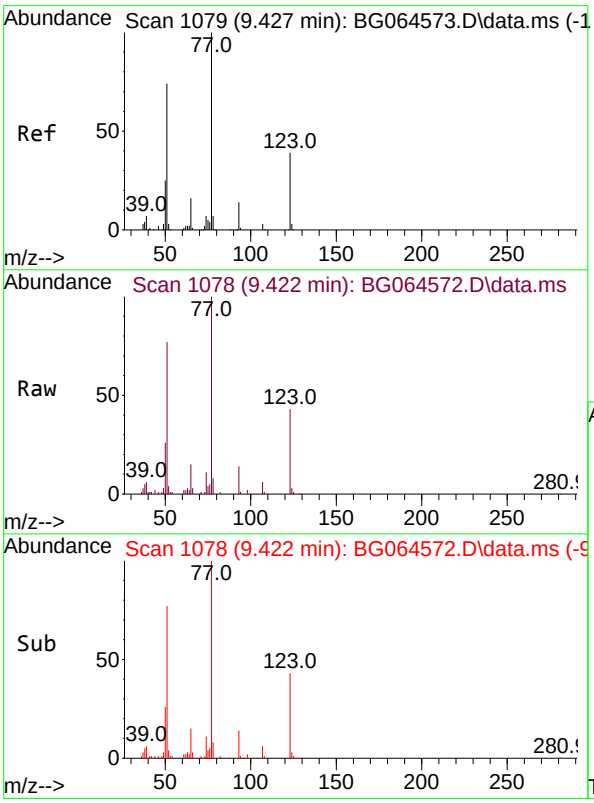
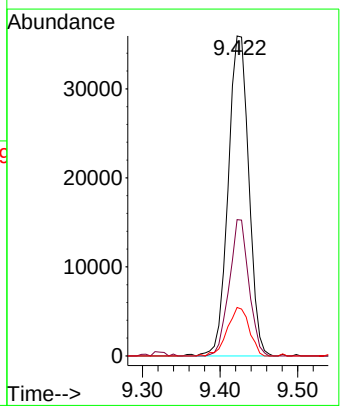
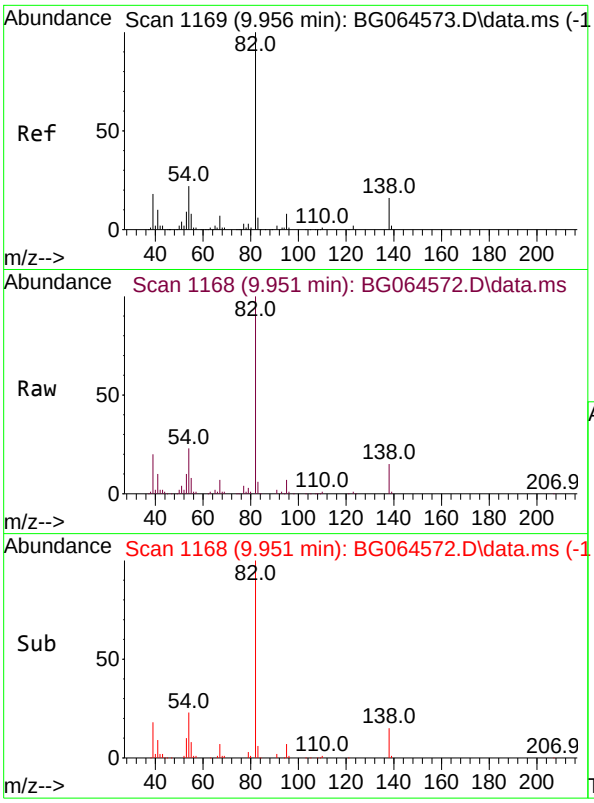


#24
Nitrobenzene
Concen: 19.012 ng
RT: 9.422 min Scan# 1078
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 77 Resp: 66292

Ion	Ratio	Lower	Upper
77	100		
123	42.6	31.0	46.6
65	15.1	12.7	19.1

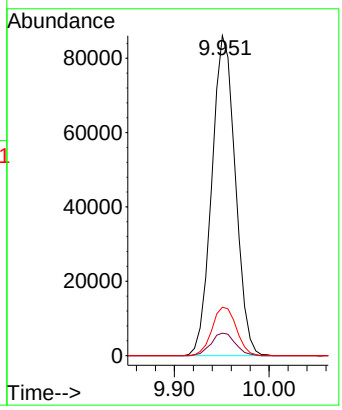




#25
Isophorone
Concen: 19.290 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.015 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 82 Resp: 14838

Ion	Ratio	Lower	Upper
82	100		
95	7.0	6.1	9.1
138	15.1	13.0	19.4



Instrument :
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ClientSampleId :
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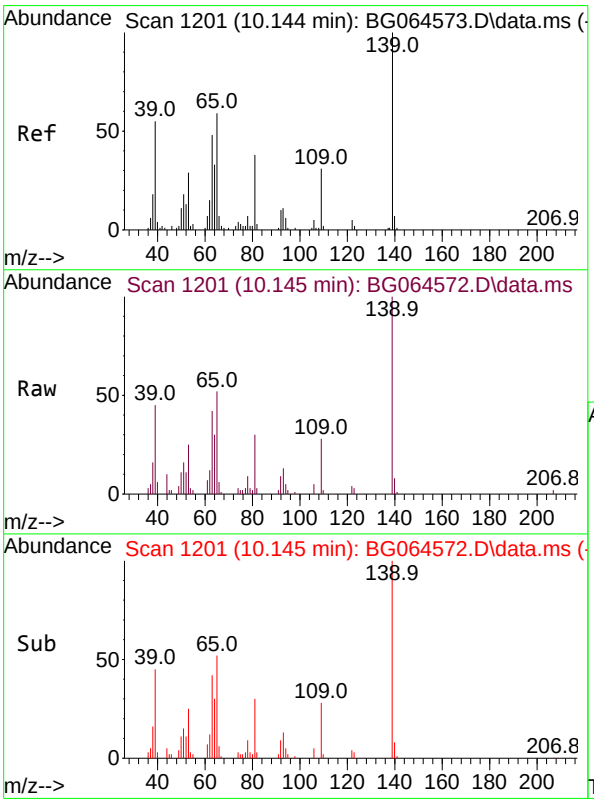
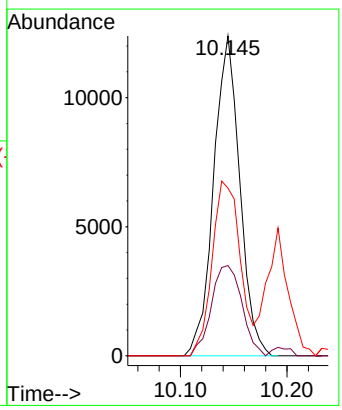
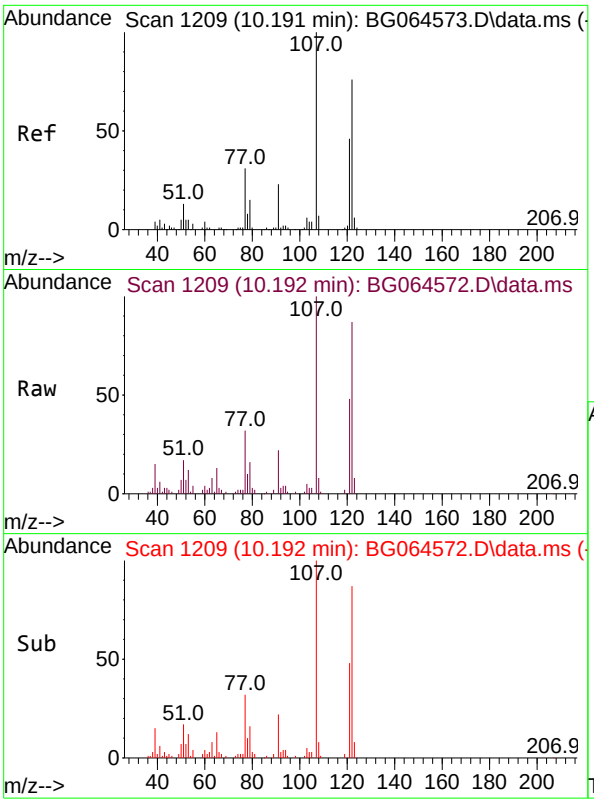


#26
2-Nitrophenol
Concen: 17.837 ng
RT: 10.145 min Scan# 1201
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:139 Resp: 21166

Ion	Ratio	Lower	Upper
139	100		
109	28.2	24.6	37.0
65	52.4	47.5	71.3

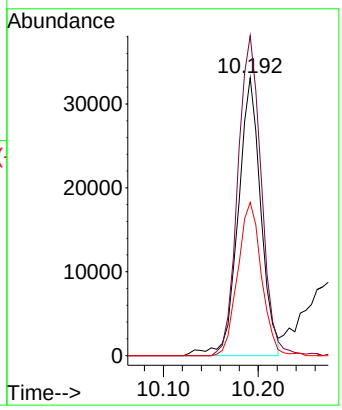




#27
2,4-Dimethylphenol
Concen: 18.834 ng
RT: 10.192 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:122 Resp: 5497

Ion	Ratio	Lower	Upper
122	100		
107	115.2	103.0	154.4
121	55.1	47.8	71.8



Instrument :
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ClientSampleId :
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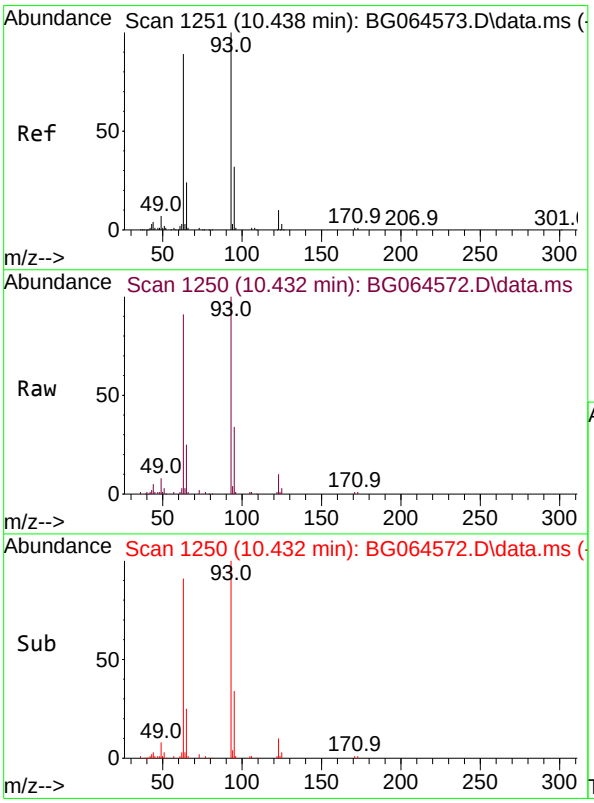
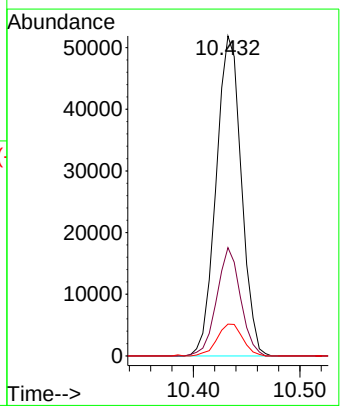
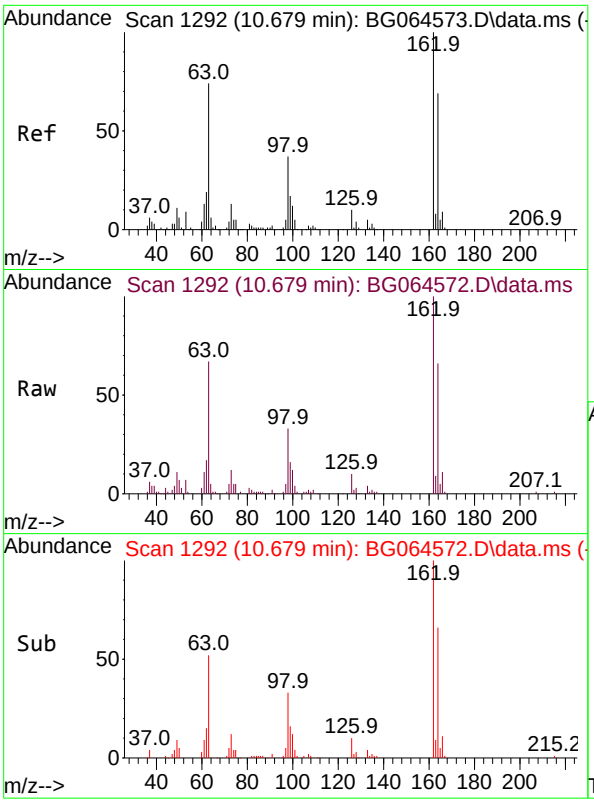


#28
bis(2-Chloroethoxy)methane
Concen: 19.458 ng
RT: 10.432 min Scan# 1250
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 93 Resp: 85225

Ion	Ratio	Lower	Upper
93	100		
95	33.8	25.4	38.2
123	9.9	8.4	12.6

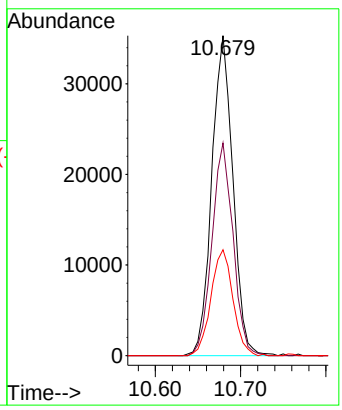




#29
2,4-Dichlorophenol
Concen: 19.710 ng
RT: 10.679 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:162 Resp: 6069

Ion	Ratio	Lower	Upper
162	100		
164	66.4	48.7	88.7
98	33.1	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
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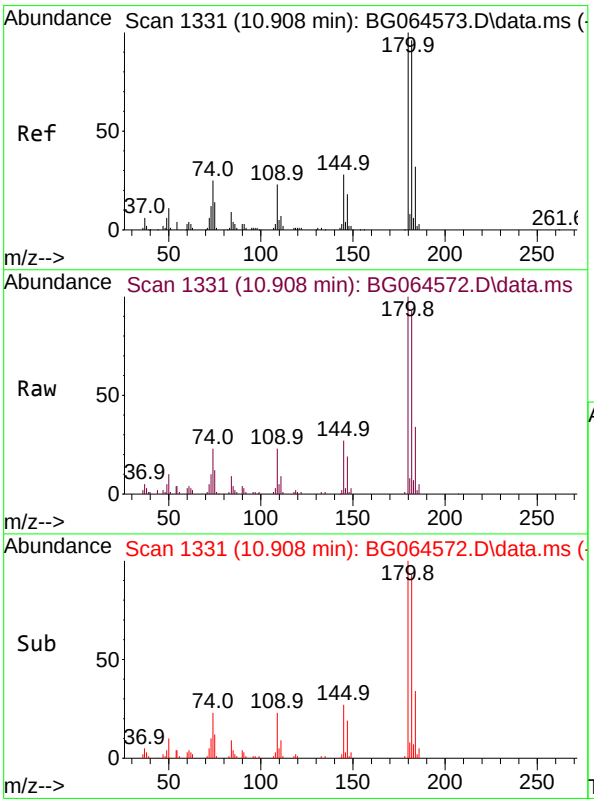
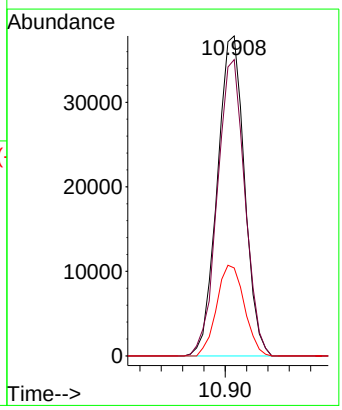
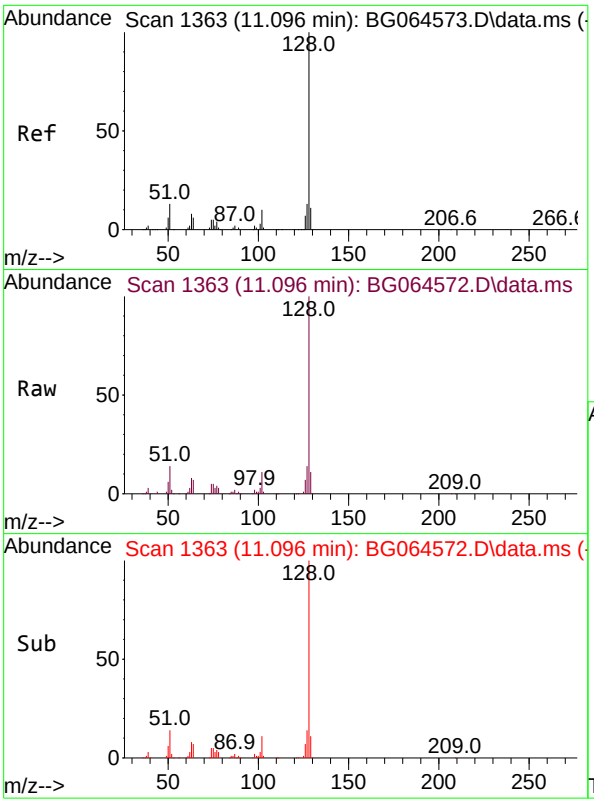


#30
1,2,4-Trichlorobenzene
Concen: 19.171 ng
RT: 10.908 min Scan# 1331
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:180 Resp: 67078

Ion	Ratio	Lower	Upper
180	100		
182	92.6	76.9	115.3
145	27.5	22.1	33.1

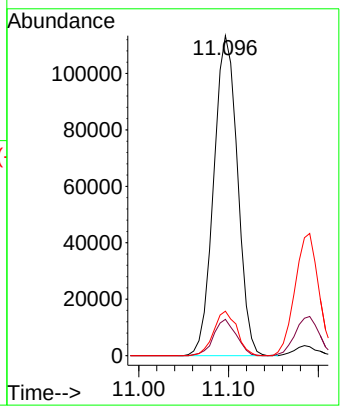




#31
Naphthalene
Concen: 19.552 ng
RT: 11.096 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:128 Resp: 20873

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.9	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
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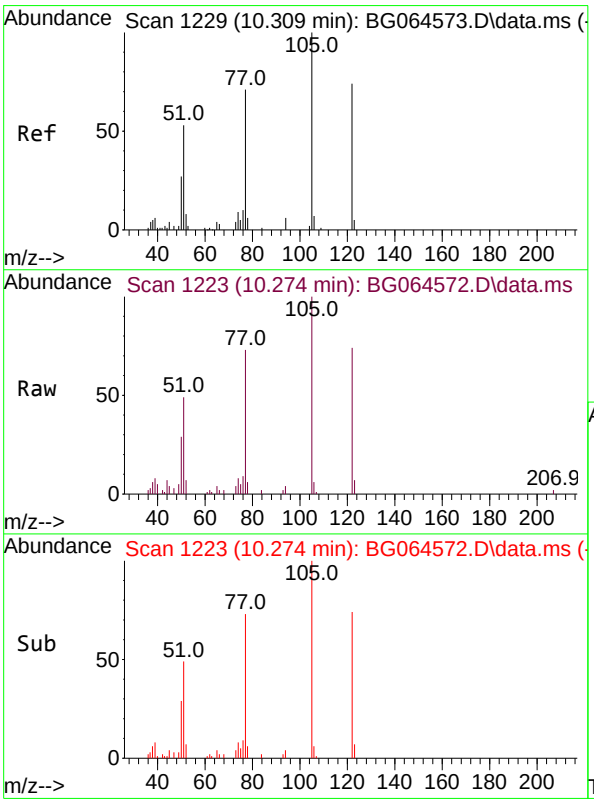
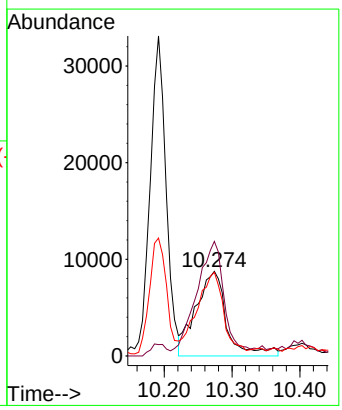
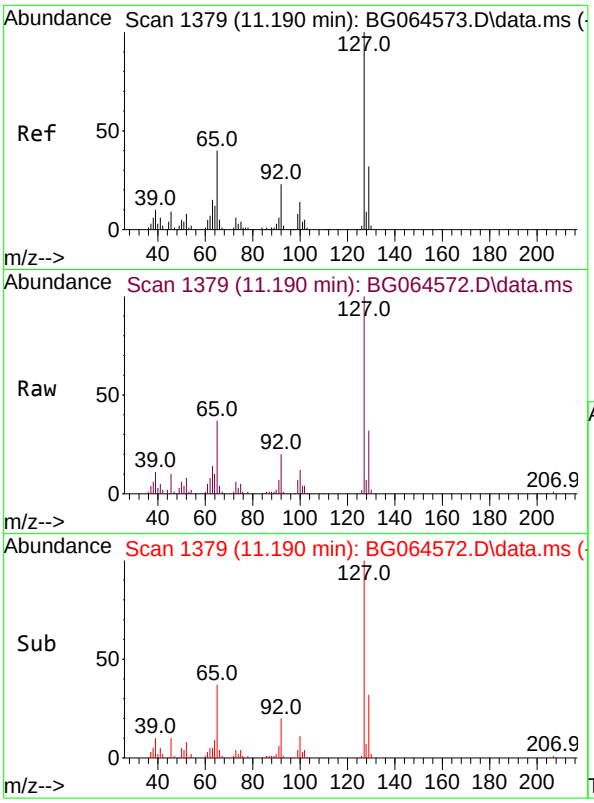


#32
Benzoic acid
Concen: 18.129 ng m
RT: 10.274 min Scan# 1223
Delta R.T. -0.068 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:122 Resp: 27545

Ion	Ratio	Lower	Upper
122	100		
105	135.4	104.2	144.2
77	99.0	70.2	110.2

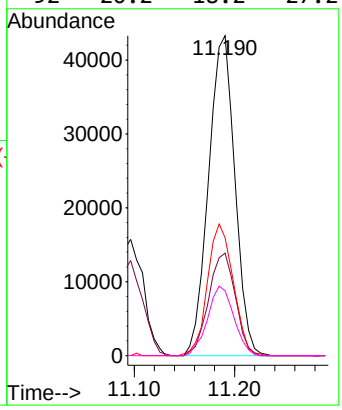




#33
4-Chloroaniline
Concen: 19.055 ng
RT: 11.190 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:127 Resp: 7906

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.5	38.3
65	36.8	32.2	48.4
92	20.2	18.2	27.2



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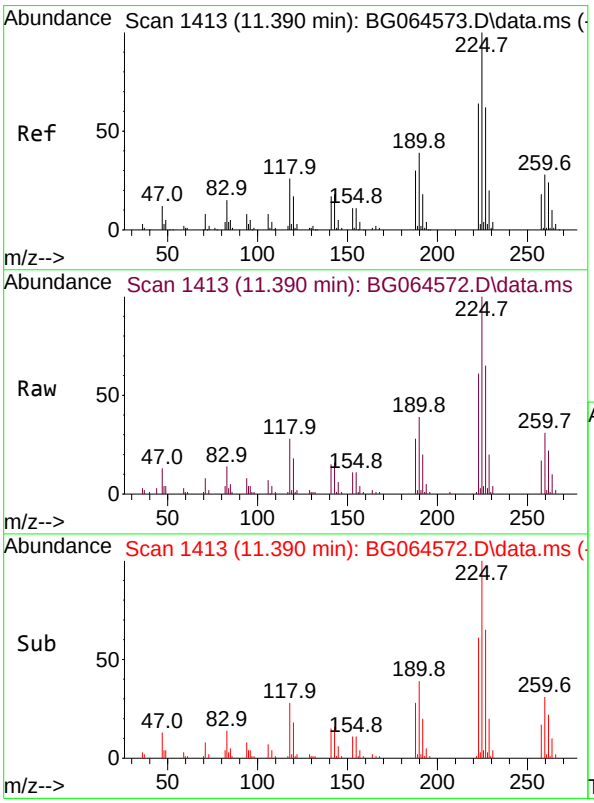
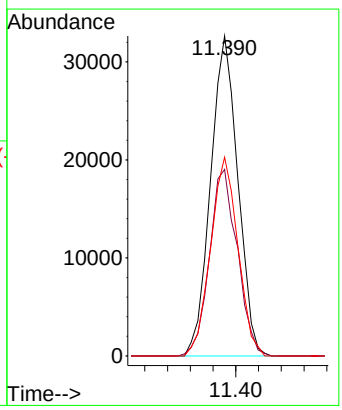
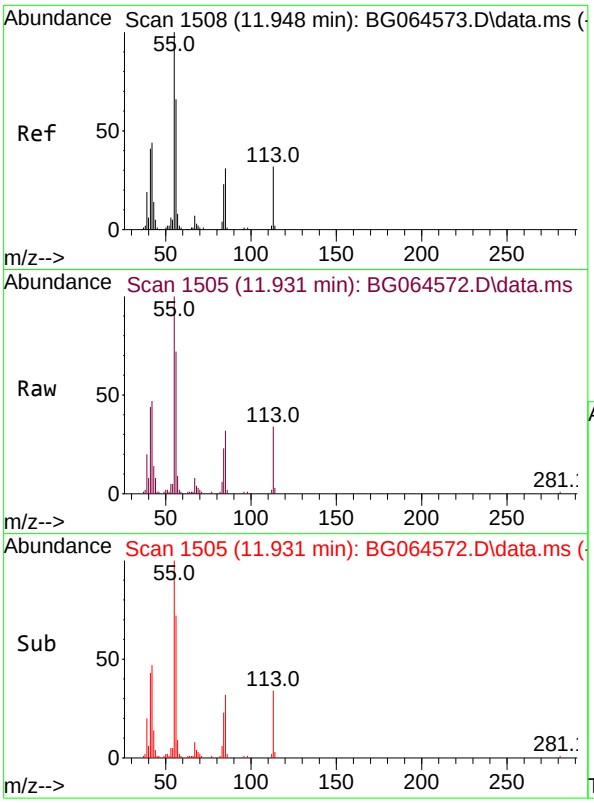


#34
Hexachlorobutadiene
Concen: 19.820 ng
RT: 11.390 min Scan# 1413
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:225 Resp: 54233

Ion	Ratio	Lower	Upper
225	100		
223	58.3	48.8	73.2
227	62.1	49.5	74.3

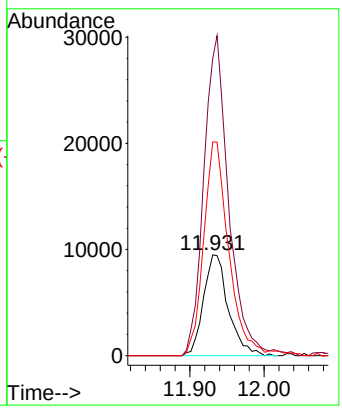




#35
Caprolactam
Concen: 18.635 ng
RT: 11.931 min Scan# 1
Delta R.T. -0.044 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:113 Resp: 2201

Ion	Ratio	Lower	Upper
113	100		
55	295.5	290.1	330.1
56	212.3	183.8	223.8



Instrument :
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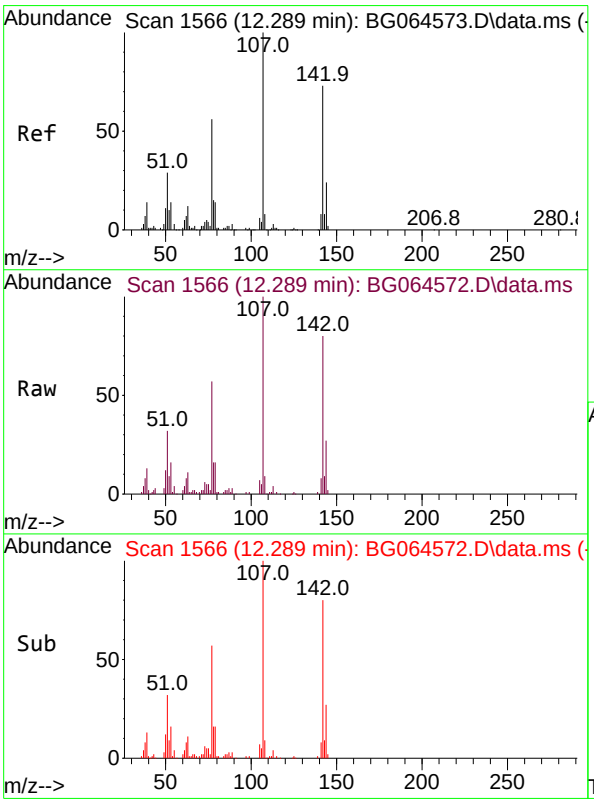
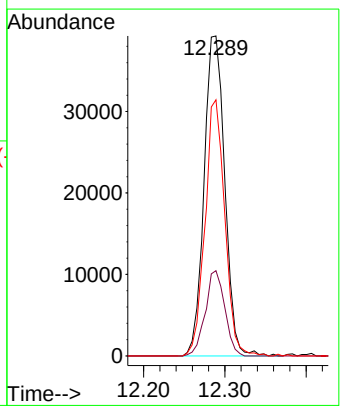
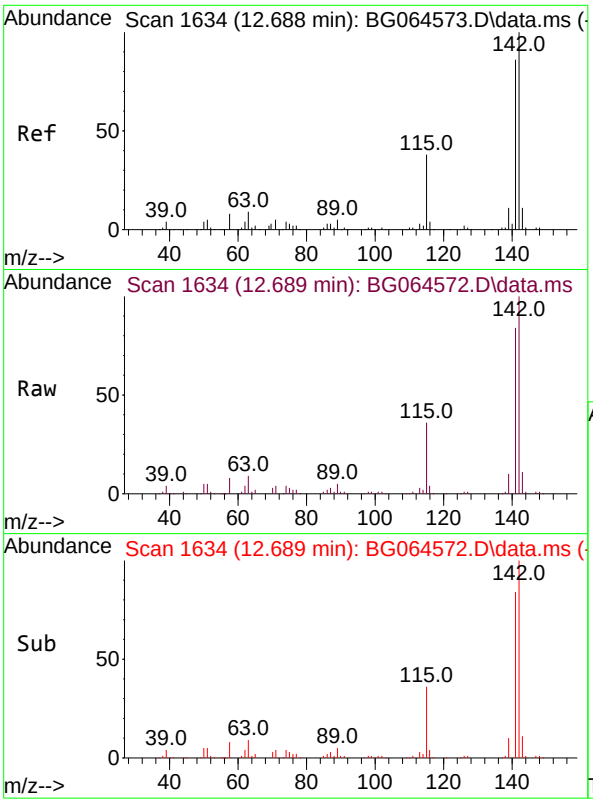


#36
4-Chloro-3-methylphenol
Concen: 18.798 ng
RT: 12.289 min Scan# 1566
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:107 Resp: 69582

Ion	Ratio	Lower	Upper
107	100		
144	26.6	19.1	28.7
142	80.0	58.6	87.8

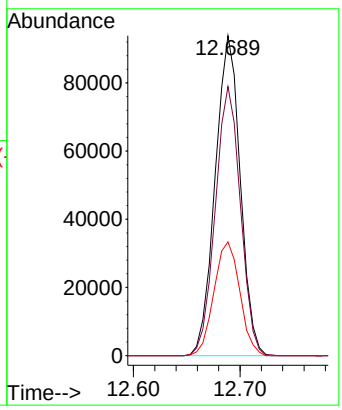




#37
2-Methylnaphthalene
Concen: 19.577 ng
RT: 12.689 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:142 Resp: 15344

Ion	Ratio	Lower	Upper
142	100		
141	84.1	68.9	103.3
115	35.5	30.6	46.0



Instrument :
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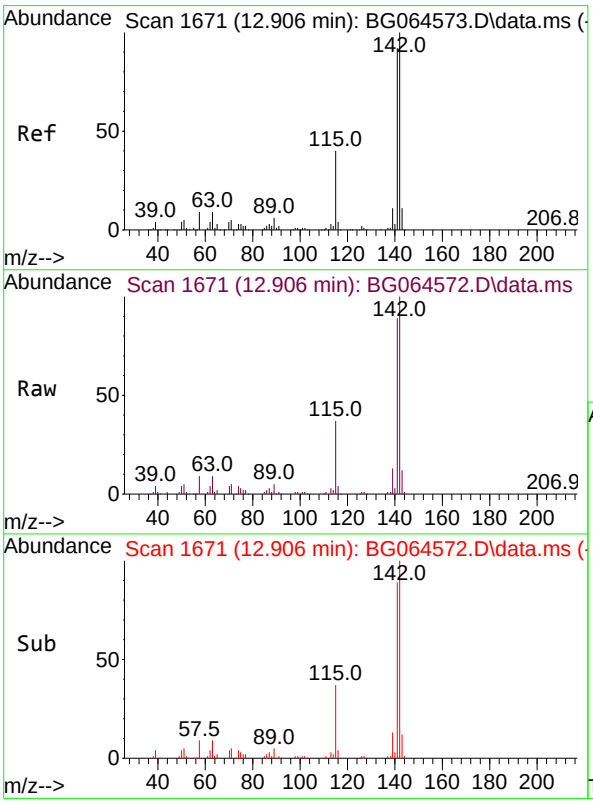
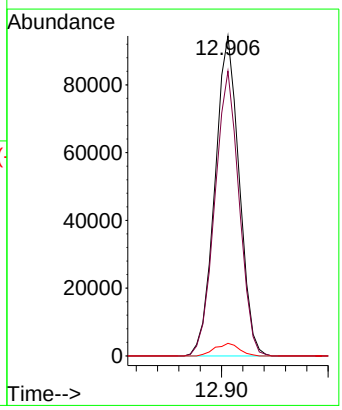
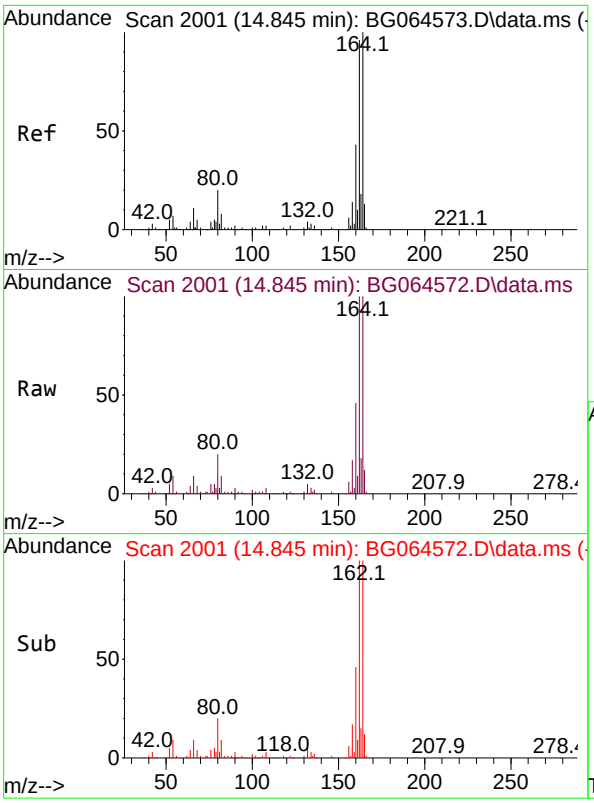


#38
1-Methylnaphthalene
Concen: 19.379 ng
RT: 12.906 min Scan# 1671
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:142 Resp: 149456

Ion	Ratio	Lower	Upper
142	100		
141	89.0	73.3	109.9
116	3.9	3.1	4.7

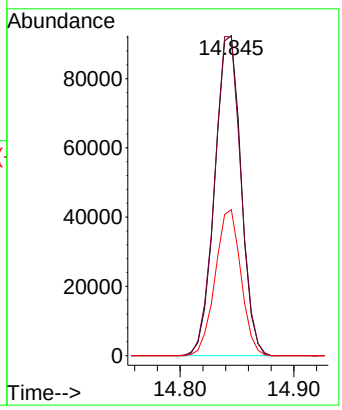




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 20
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:164 Resp: 14752

Ion	Ratio	Lower	Upper
164	100		
162	99.6	77.0	115.6
160	45.6	34.4	51.6



Instrument :
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ClientSampleId :
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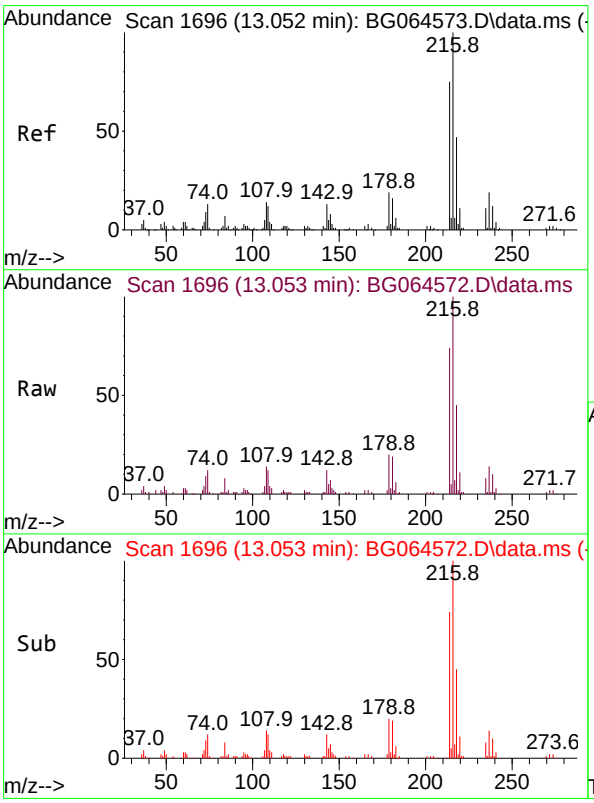
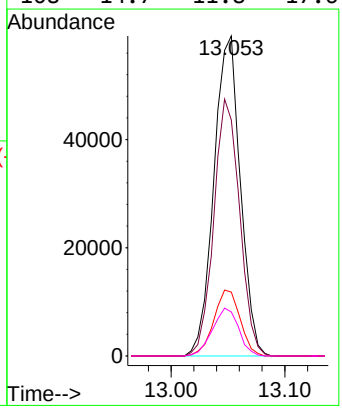
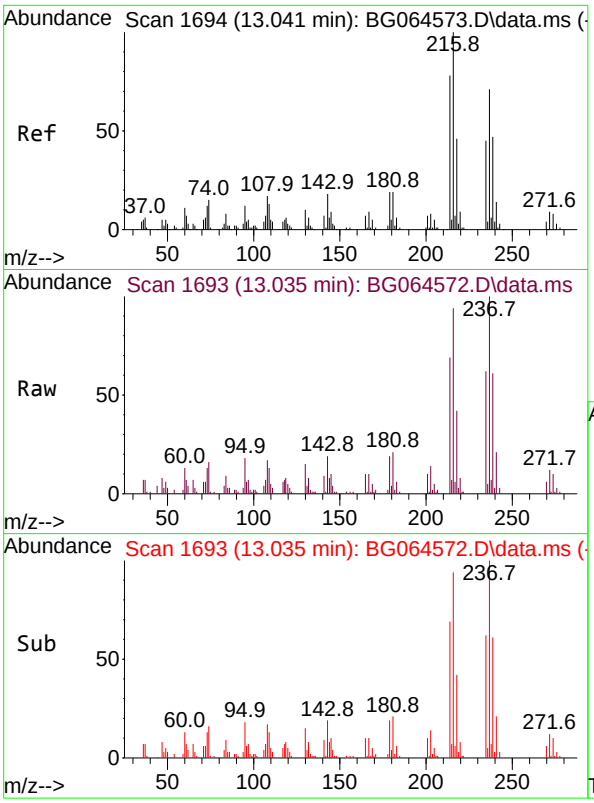


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.320 ng
RT: 13.053 min Scan# 1696
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:216 Resp: 95653

Ion	Ratio	Lower	Upper
216	100		
214	78.1	61.4	92.2
179	20.4	15.4	23.0
108	14.7	11.8	17.6

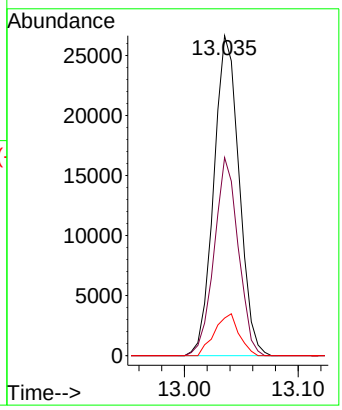




#41
Hexachlorocyclopentadiene
Concen: 18.479 ng
RT: 13.035 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:237 Resp: 4117

Ion	Ratio	Lower	Upper
237	100		
235	61.9	44.1	84.1
272	11.7	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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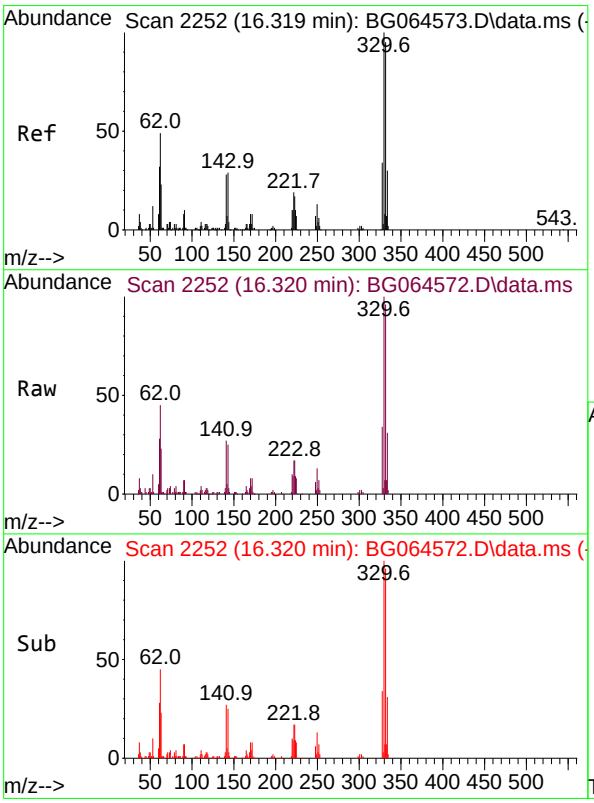
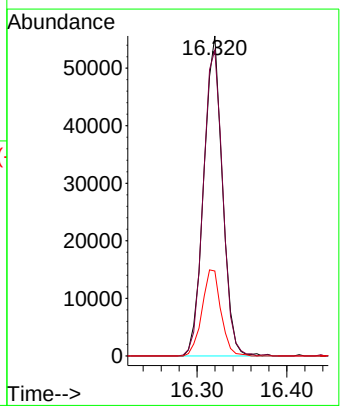
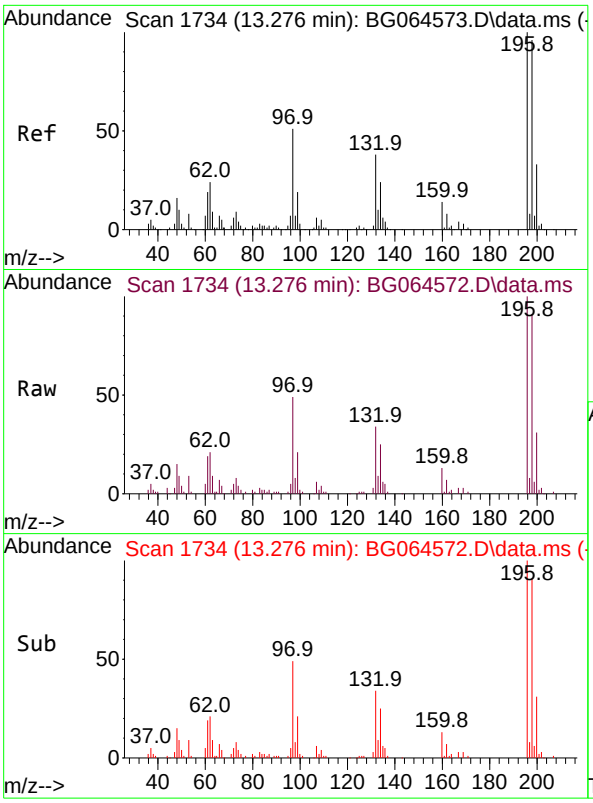


#42
2,4,6-Tribromophenol
Concen: 37.682 ng
RT: 16.320 min Scan# 2252
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:330 Resp: 80231

Ion	Ratio	Lower	Upper
330	100		
332	99.2	78.0	117.0
141	27.2	21.8	32.6

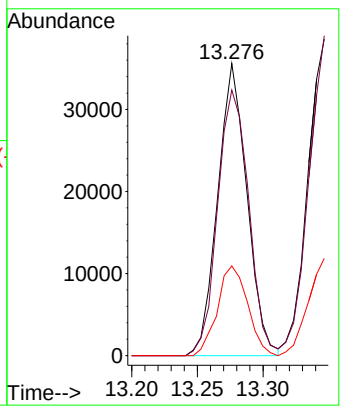




#43
2,4,6-Trichlorophenol
Concen: 19.525 ng
RT: 13.276 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:196 Resp: 5529

Ion	Ratio	Lower	Upper
196	100		
198	90.9	76.6	115.0
200	30.7	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
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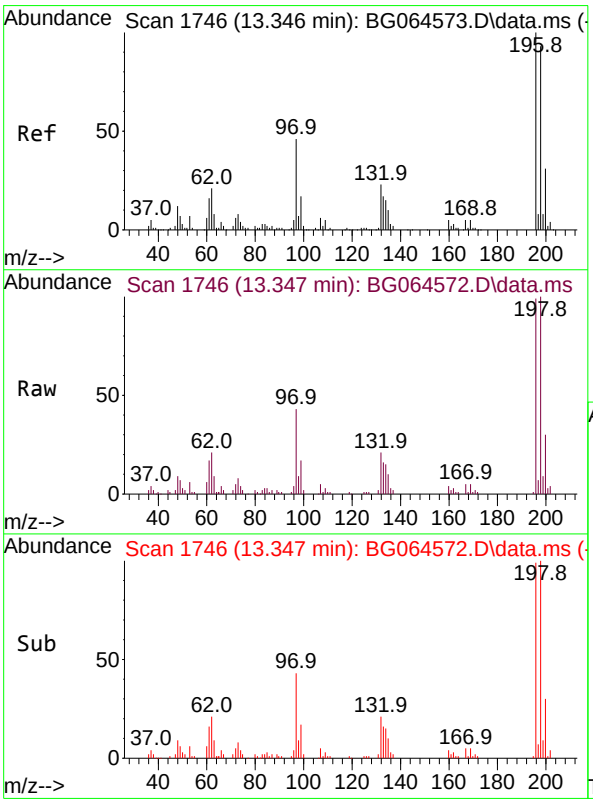
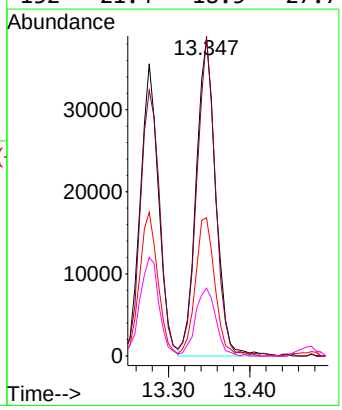
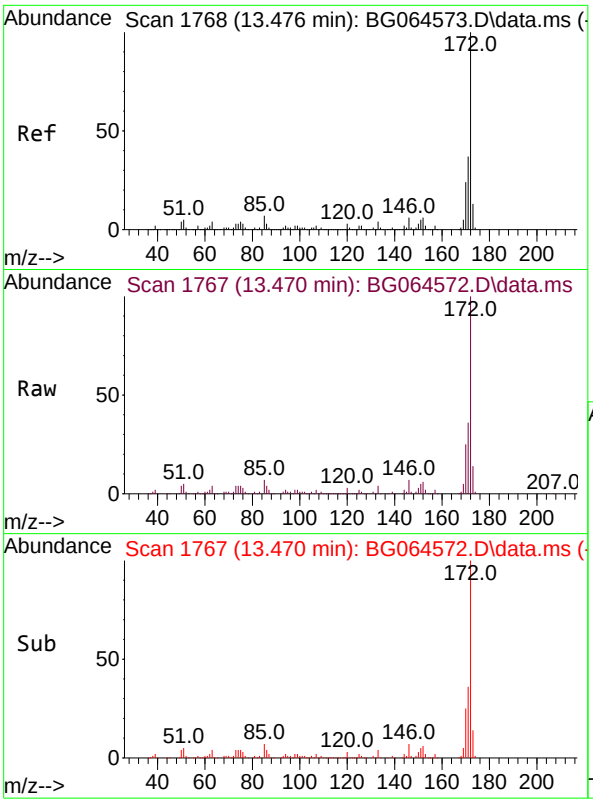


#44
2,4,5-Trichlorophenol
Concen: 19.814 ng
RT: 13.347 min Scan# 1746
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:196 Resp: 64753

Ion	Ratio	Lower	Upper
196	100		
198	101.1	74.2	111.4
97	43.6	37.0	55.6
132	21.4	18.5	27.7

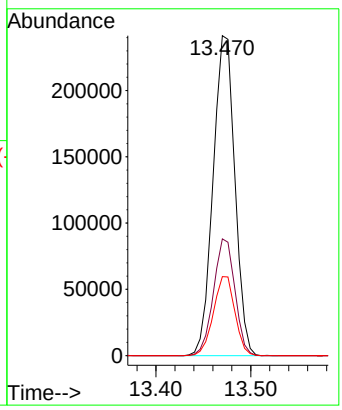




#45
2-Fluorobiphenyl
Concen: 39.584 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:172 Resp: 38525

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.7	19.1	28.7



Instrument :
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ClientSampleId :
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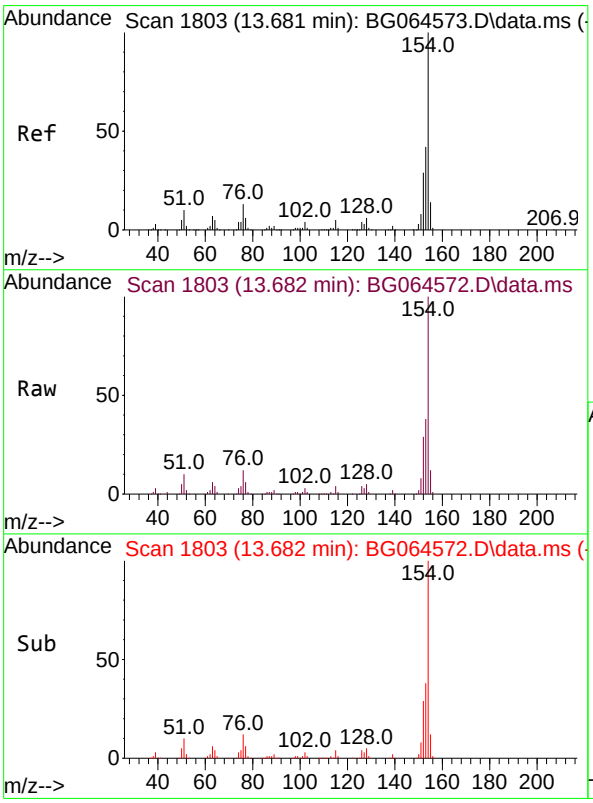
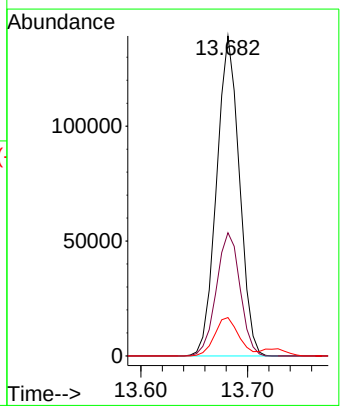
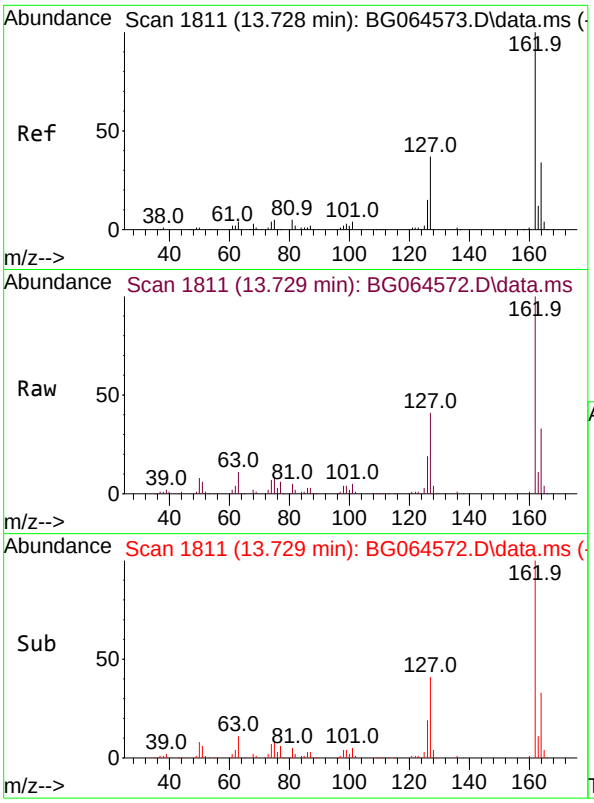


#46
1,1'-Biphenyl
Concen: 19.705 ng
RT: 13.682 min Scan# 1803
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:154 Resp: 206656

Ion	Ratio	Lower	Upper
154	100		
153	38.5	22.4	62.4
76	12.0	0.0	33.5

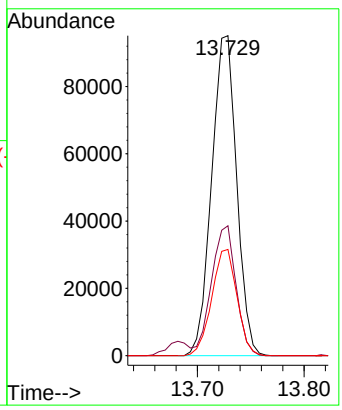




#47
2-Chloronaphthalene
Concen: 19.625 ng
RT: 13.729 min Scan# 18
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:162 Resp: 15535

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.2	48.2
164	33.2	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
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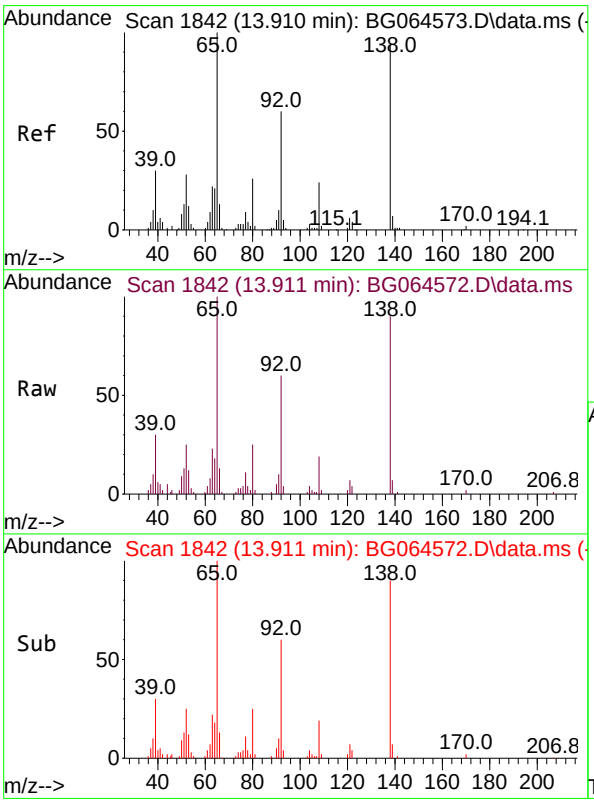
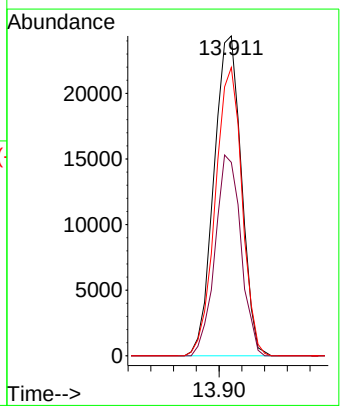
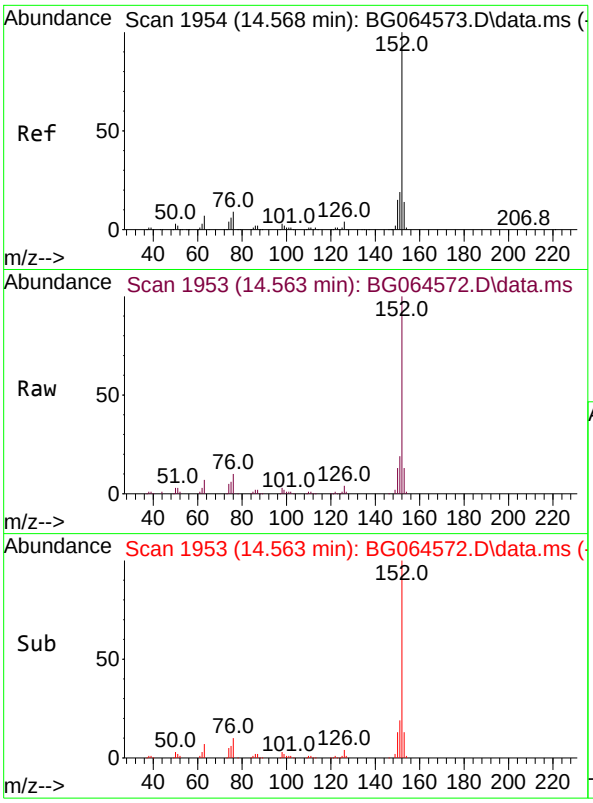


#48
2-Nitroaniline
Concen: 17.565 ng
RT: 13.911 min Scan# 1842
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 65 Resp: 40854

Ion	Ratio	Lower	Upper
65	100		
92	60.5	48.3	72.5
138	90.1	74.9	112.3

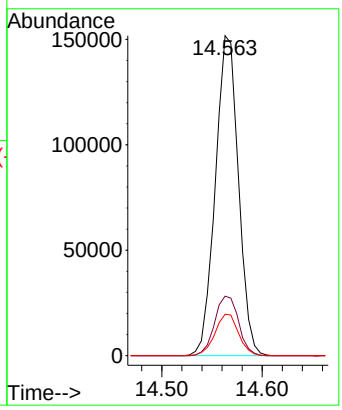




#49
Acenaphthylene
Concen: 19.454 ng
RT: 14.563 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:152 Resp: 242914

Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.4	23.2
153	12.9	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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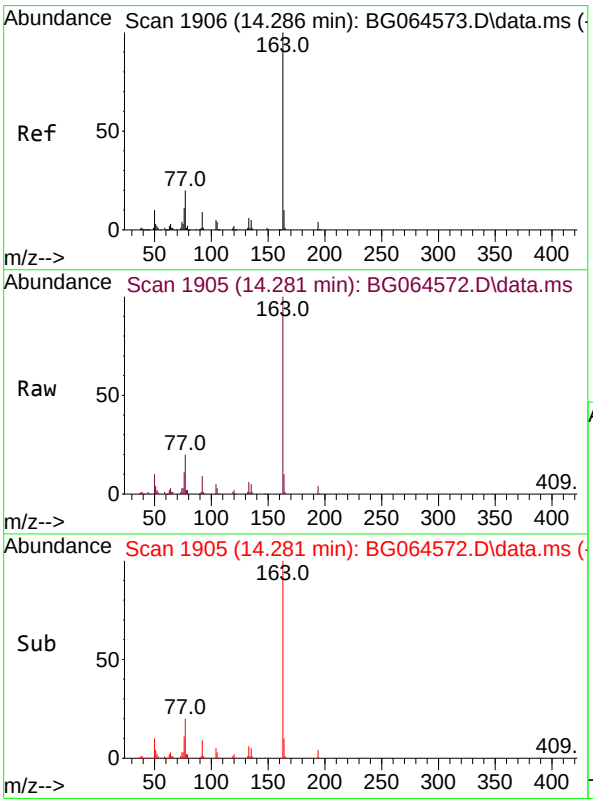
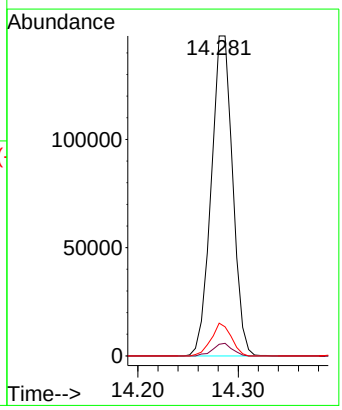
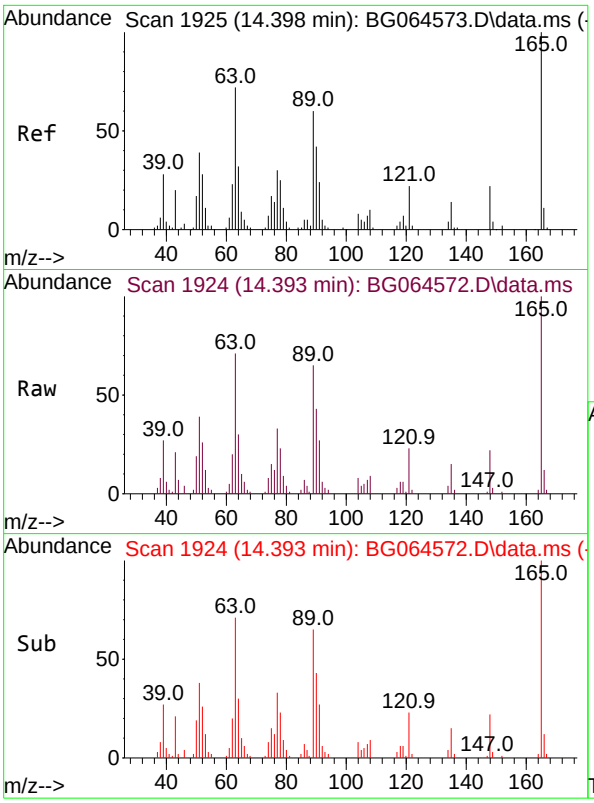


#50
Dimethylphthalate
Concen: 19.452 ng
RT: 14.281 min Scan# 1905
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:163 Resp: 219575

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.2	7.7	11.5

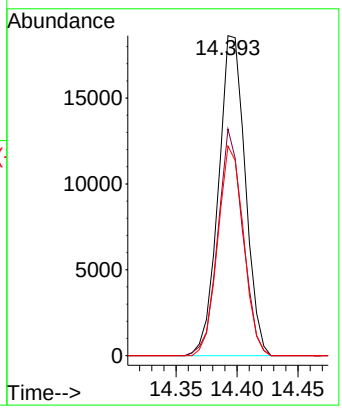




#51
2,6-Dinitrotoluene
Concen: 17.440 ng
RT: 14.393 min Scan# 19
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:165 Resp: 2842

Ion	Ratio	Lower	Upper
165	100		
63	70.8	57.4	86.0
89	65.5	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
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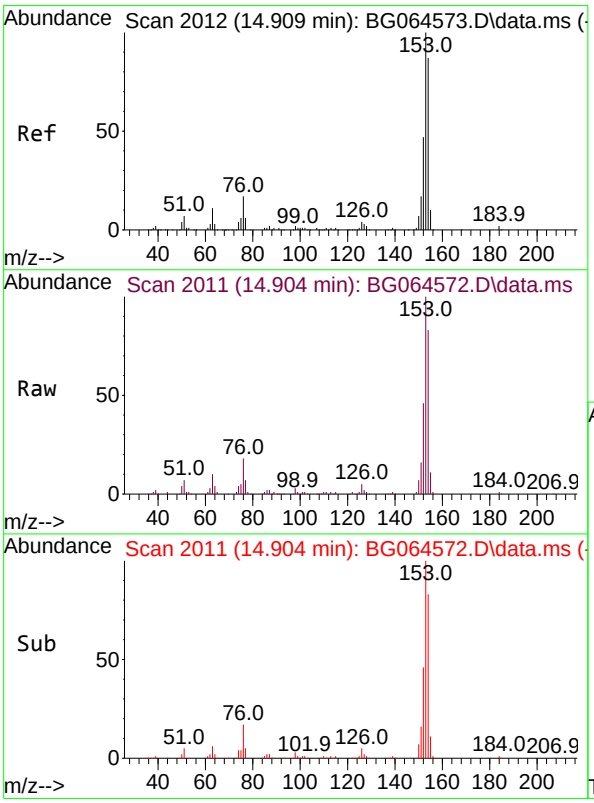
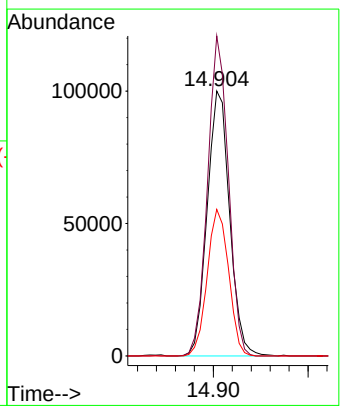
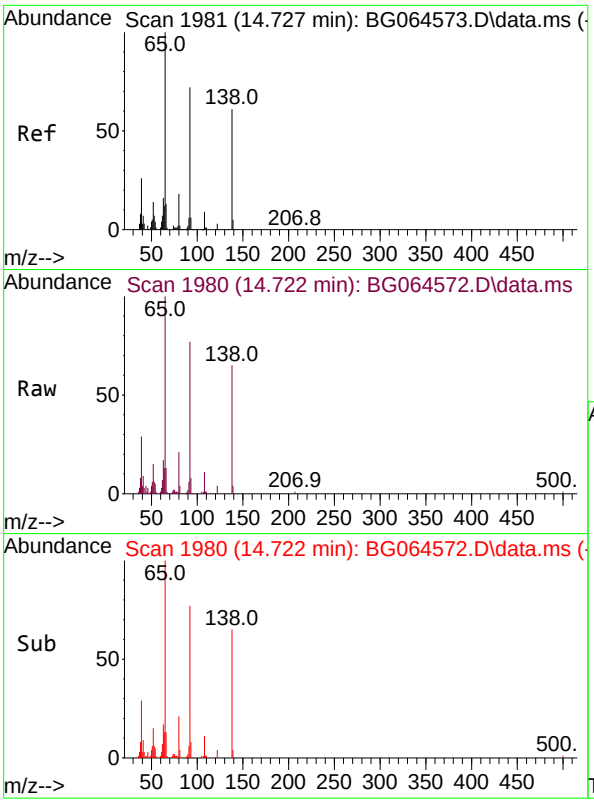


#52
Acenaphthene
Concen: 19.287 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:154 Resp: 164542

Ion	Ratio	Lower	Upper
154	100		
153	120.8	92.2	138.4
152	55.3	43.2	64.8





#53
3-Nitroaniline
Concen: 19.193 ng
RT: 14.722 min Scan# 19
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:138 Resp: 37234

Ion	Ratio	Lower	Upper
138	100		
108	17.6	11.4	17.0#
92	118.5	95.3	142.9

Instrument :
BNA_G
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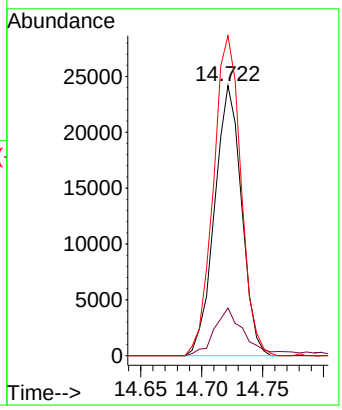
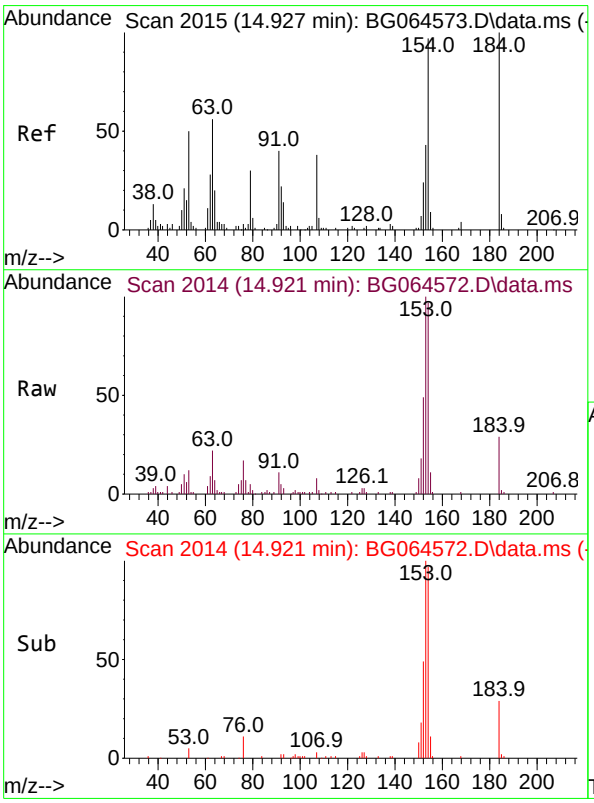
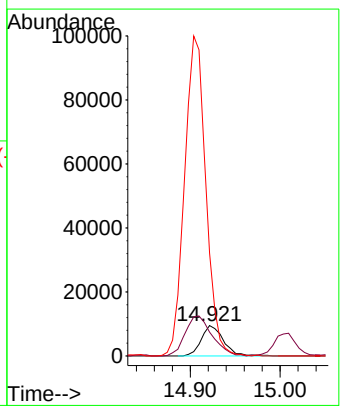


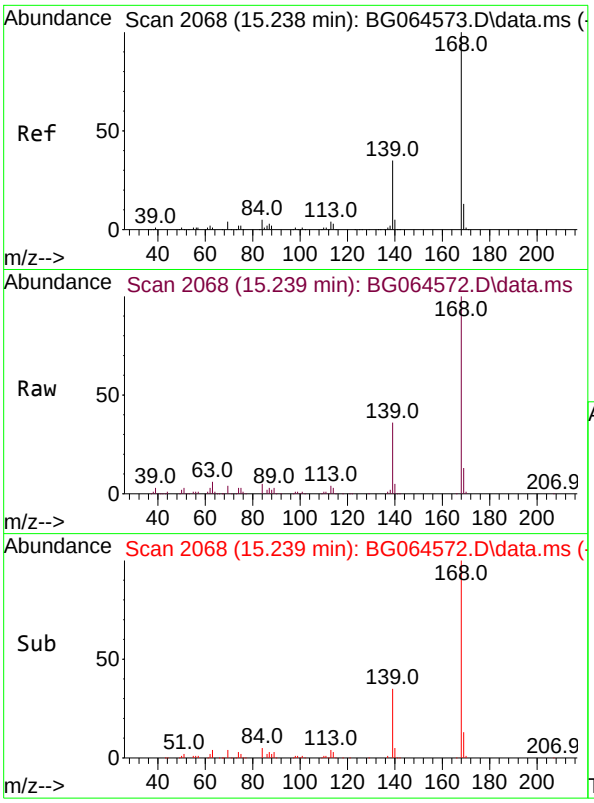


#54
2,4-Dinitrophenol
Concen: 18.744 ng
RT: 14.921 min Scan# 2014
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:184 Resp: 16182

Ion	Ratio	Lower	Upper
184	100		
63	78.3	56.6	85.0
154	339.0	158.6	238.0#

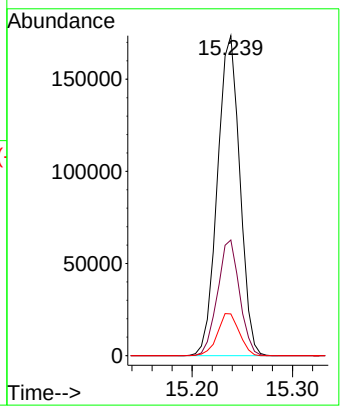




#55
Dibenzofuran
Concen: 19.534 ng
RT: 15.239 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:168 Resp: 26941

Ion	Ratio	Lower	Upper
168	100		
139	36.1	27.8	41.8
169	13.0	10.3	15.5



Instrument :
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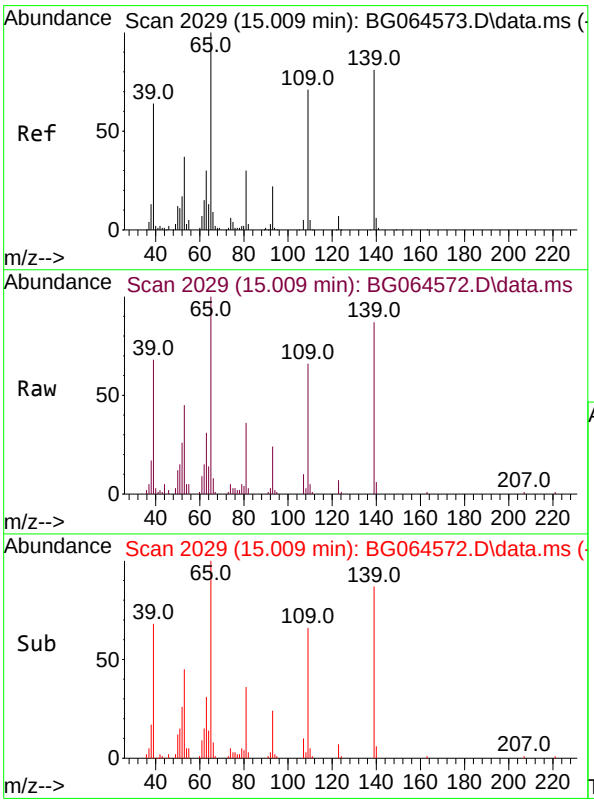
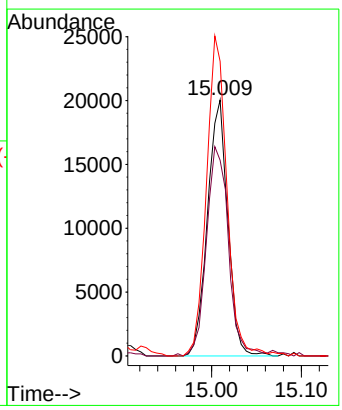
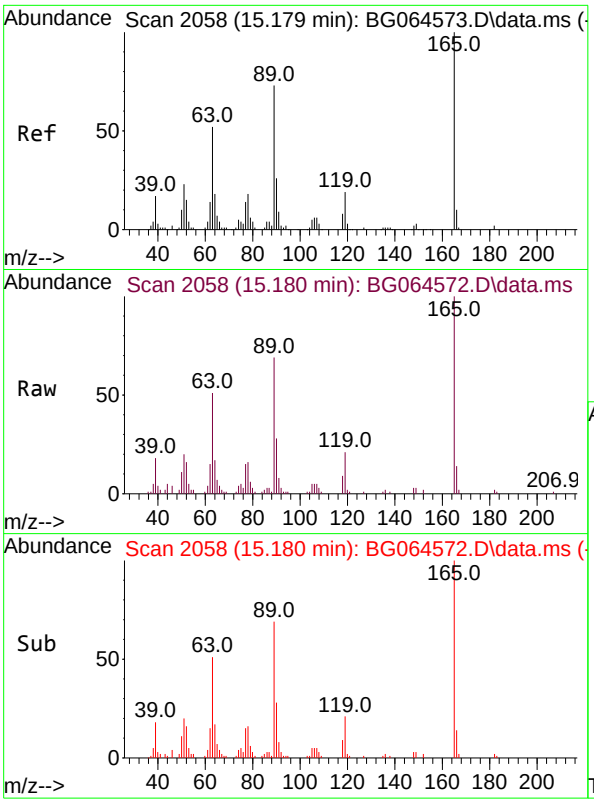


#56
4-Nitrophenol
Concen: 17.439 ng
RT: 15.009 min Scan# 2029
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:139 Resp: 31366

Ion	Ratio	Lower	Upper
139	100		
109	76.4	67.8	107.8
65	115.0	103.7	143.7

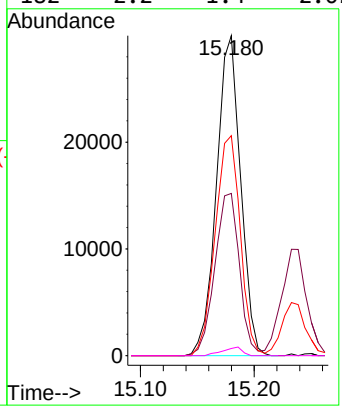




#57
2,4-Dinitrotoluene
Concen: 17.427 ng
RT: 15.180 min Scan# 20
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:165 Resp: 4420

Ion	Ratio	Lower	Upper
165	100		
63	50.7	41.8	62.8
89	68.7	58.1	87.1
182	2.2	1.4	2.0#



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ClientSampleId :
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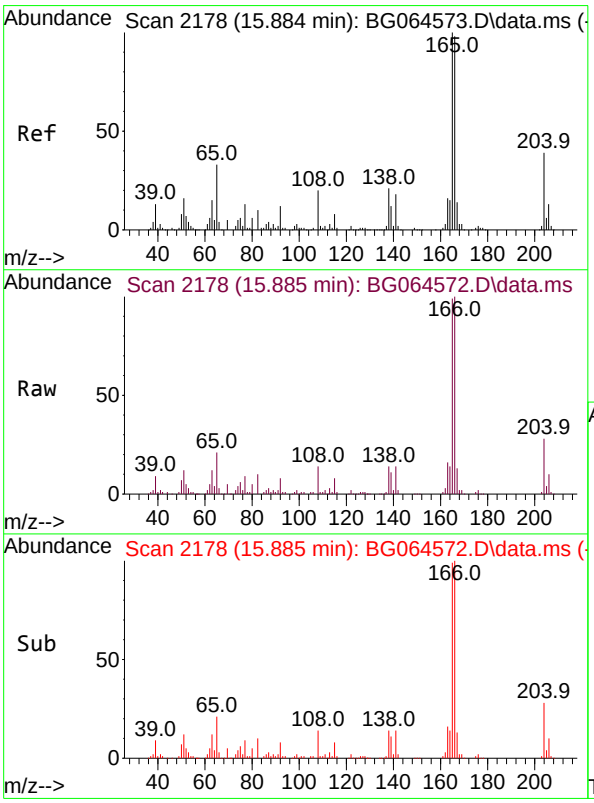
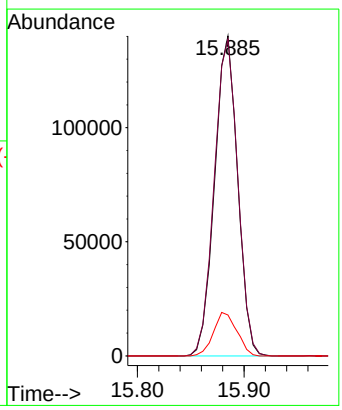
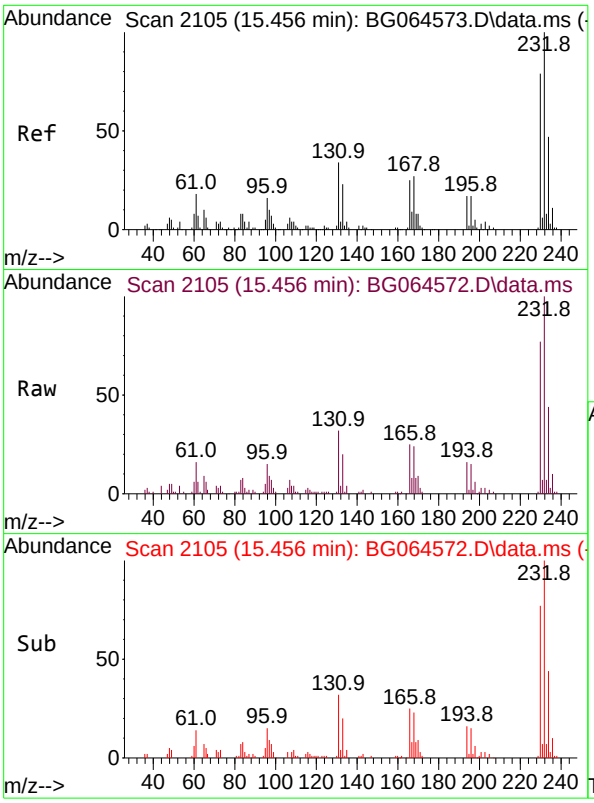


#58
Fluorene
Concen: 19.536 ng
RT: 15.885 min Scan# 2178
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:166 Resp: 210426

Ion	Ratio	Lower	Upper
166	100		
165	99.0	81.5	122.3
167	12.8	11.4	17.0

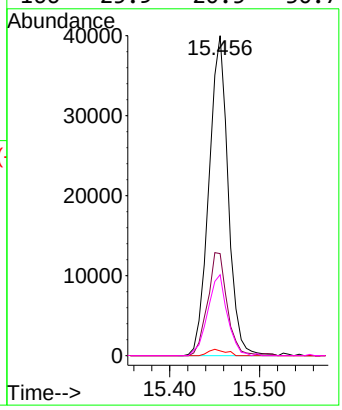




#59
2,3,4,6-Tetrachlorophenol
Concen: 18.980 ng
RT: 15.456 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:232 Resp: 59314

Ion	Ratio	Lower	Upper
232	100		
131	32.5	26.7	40.1
130	1.8	1.6	2.4
166	25.9	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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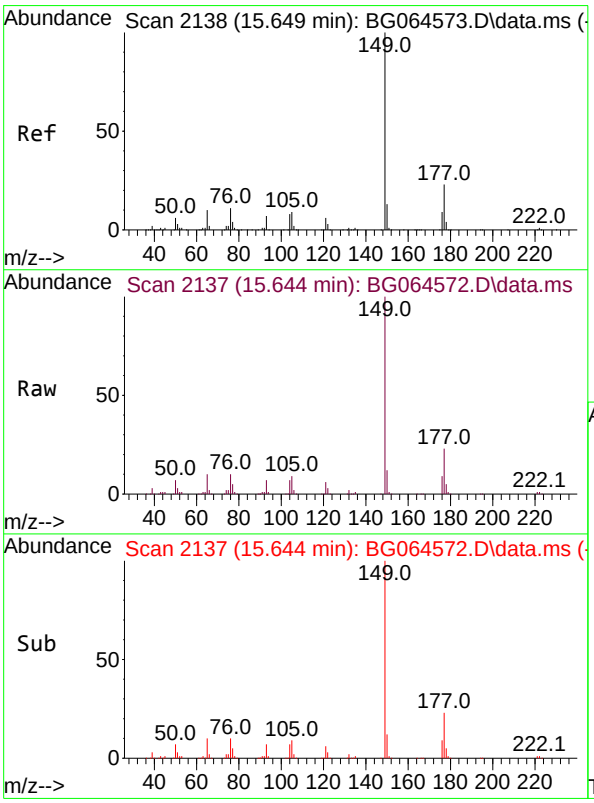
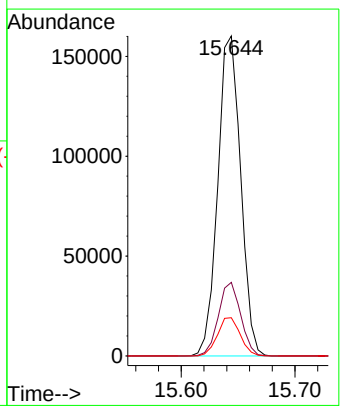
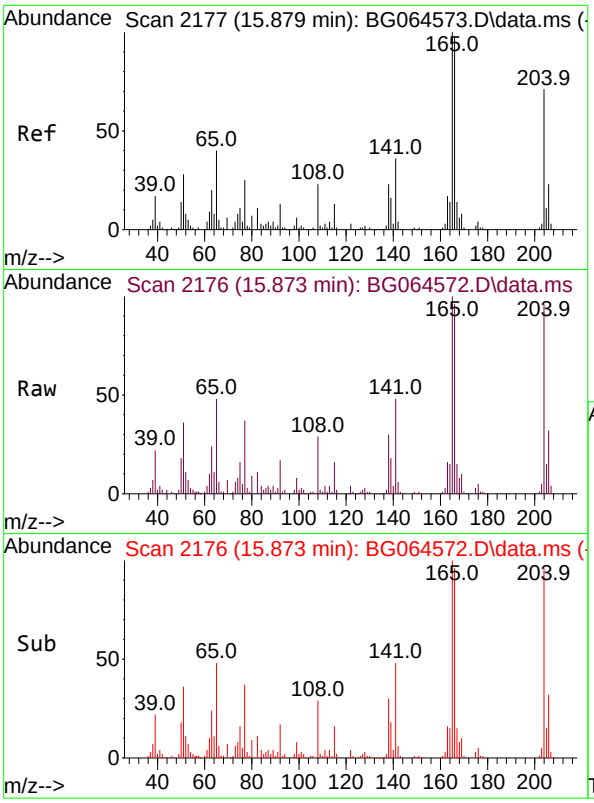


#60
Diethylphthalate
Concen: 19.382 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 223398

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.0	27.0
150	11.9	10.2	15.4

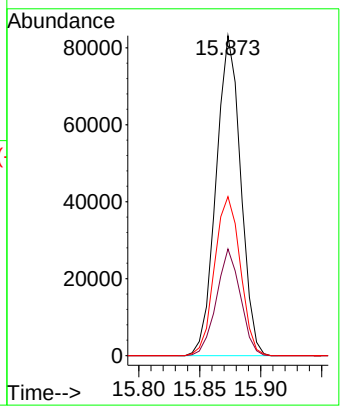




#61
4-Chlorophenyl-phenylether
Concen: 19.333 ng
RT: 15.873 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:204 Resp: 11686

Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.6	38.4
141	49.7	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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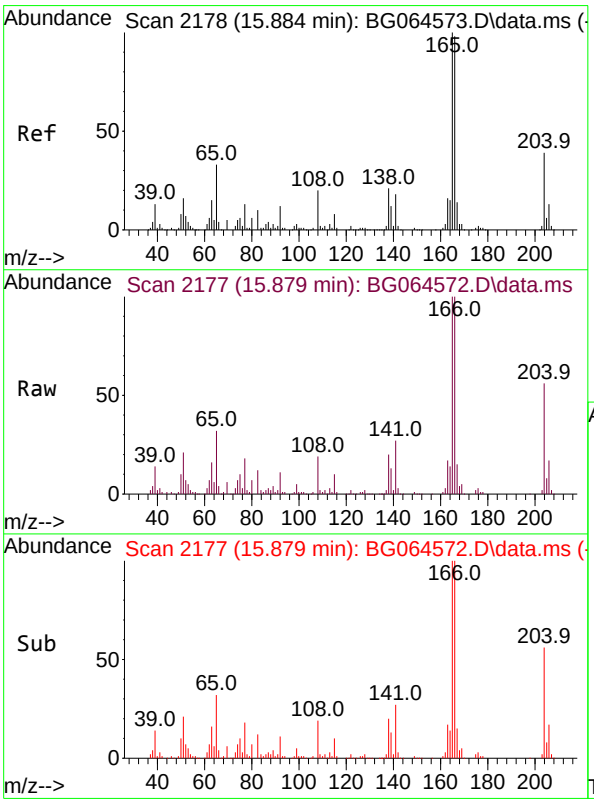
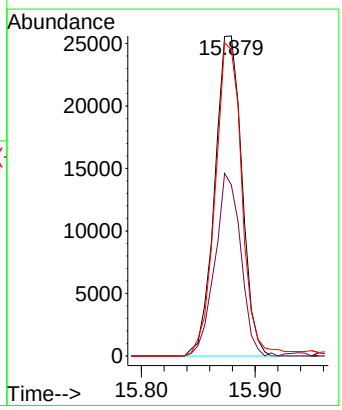
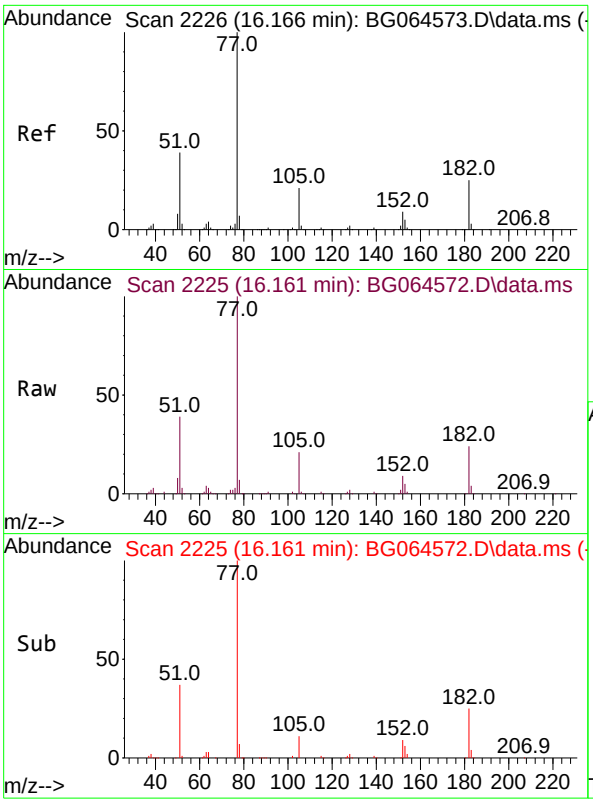


#62
4-Nitroaniline
Concen: 19.582 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.015 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:138 Resp: 42261

Ion	Ratio	Lower	Upper
138	100		
92	53.4	36.1	76.1
108	95.8	75.6	115.6

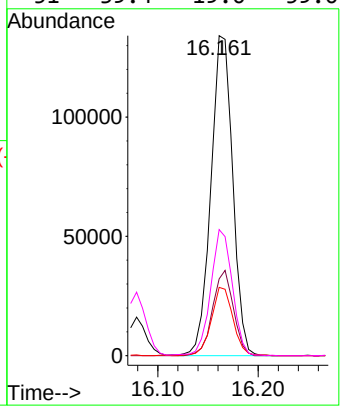




#63
Azobenzene
Concen: 19.205 ng
RT: 16.161 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 77 Resp: 203101

Ion	Ratio	Lower	Upper
77	100		
182	24.0	4.9	44.9
105	21.3	1.3	41.3
51	39.4	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
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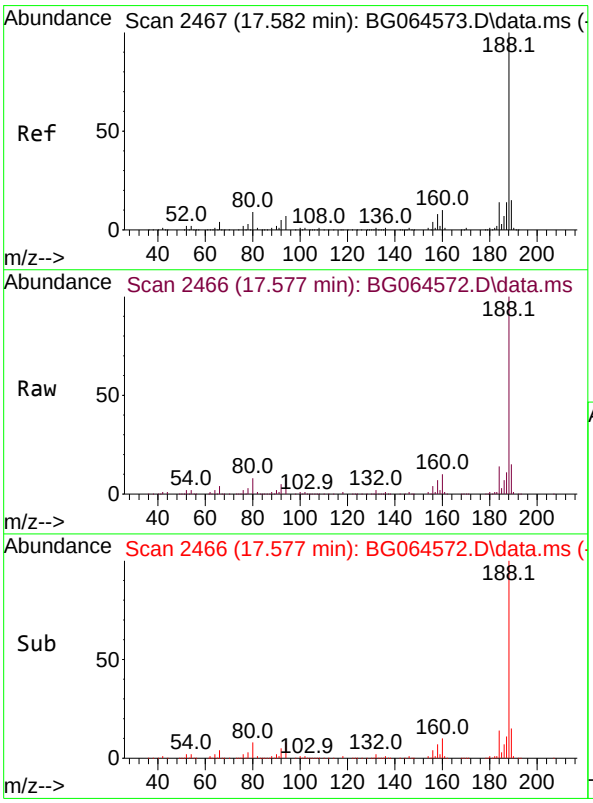
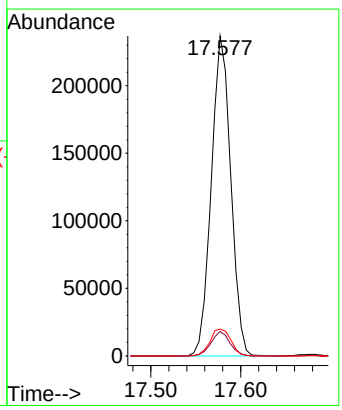
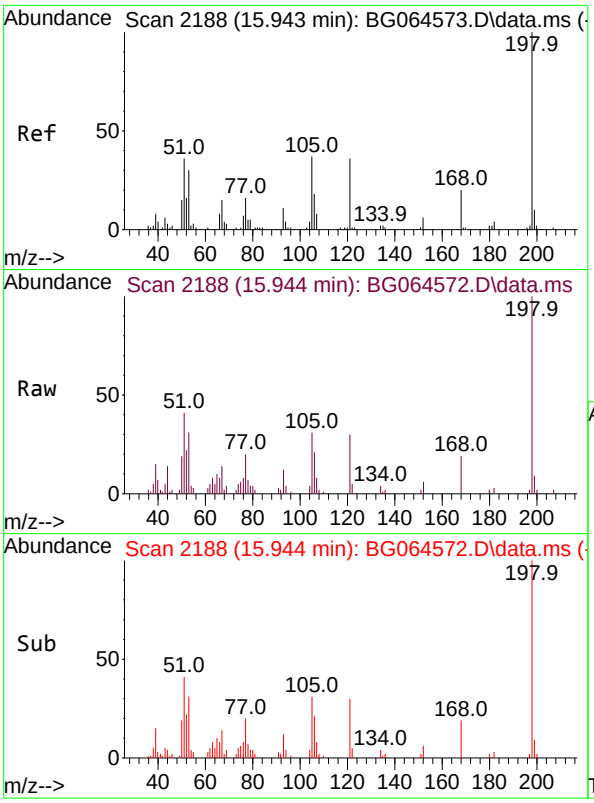


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:188 Resp: 357228

Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.7	8.5
80	8.4	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 18.316 ng
RT: 15.944 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:198 Resp: 2284

Ion	Ratio	Lower	Upper
198	100		
51	41.3	24.7	64.7
105	30.8	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
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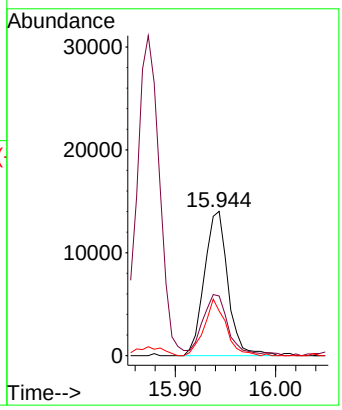
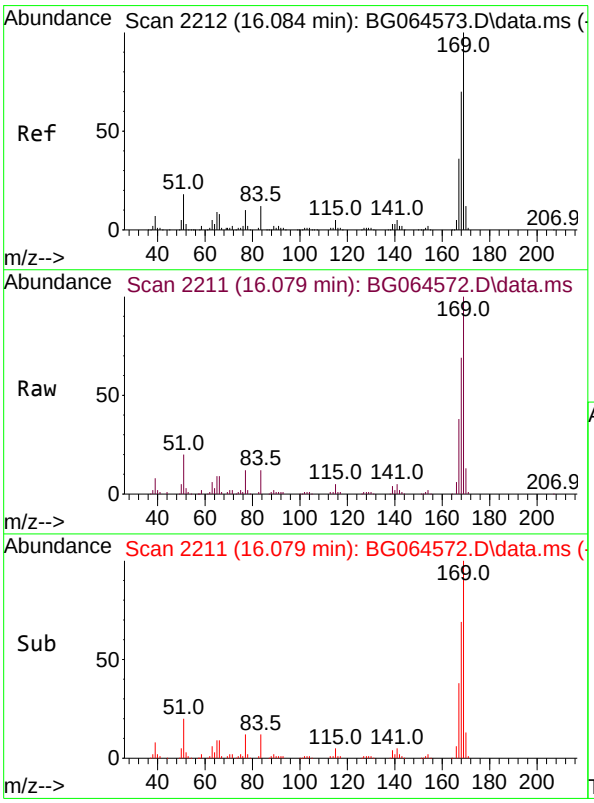
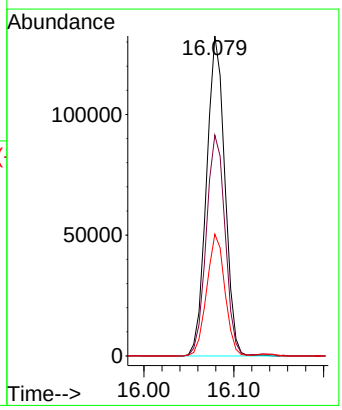


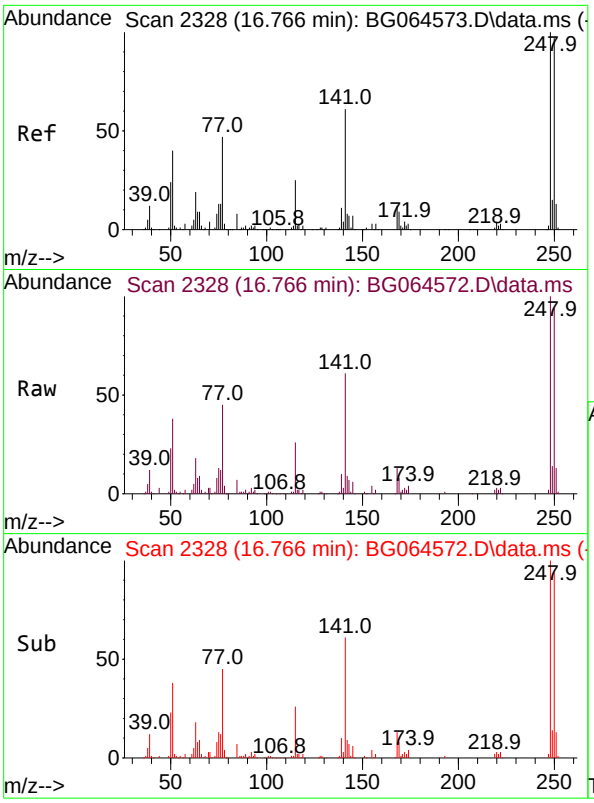


#66
n-Nitrosodiphenylamine
Concen: 19.437 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:169 Resp: 187560

Ion	Ratio	Lower	Upper
169	100		
168	69.0	56.3	84.5
167	38.0	29.0	43.6

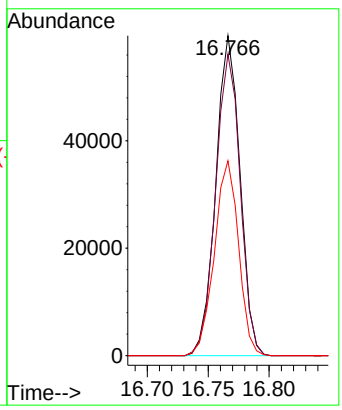




#67
4-Bromophenyl-phenylether
Concen: 19.444 ng
RT: 16.766 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:248 Resp: 8231

Ion	Ratio	Lower	Upper
248	100		
250	94.2	77.7	116.5
141	60.9	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
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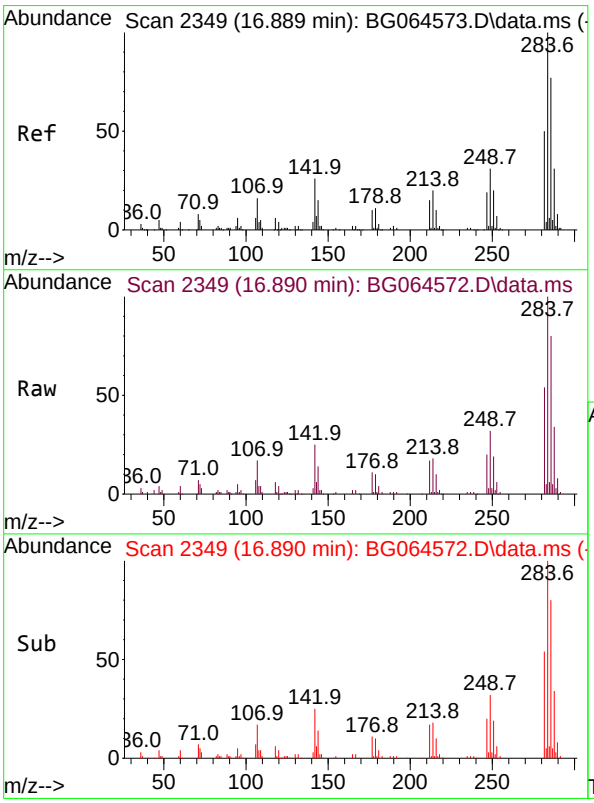
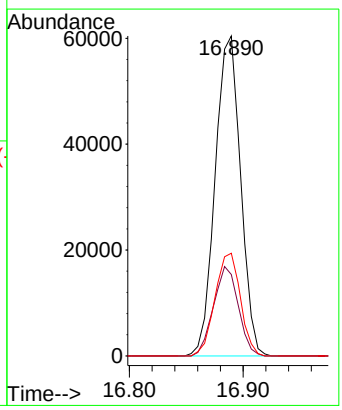
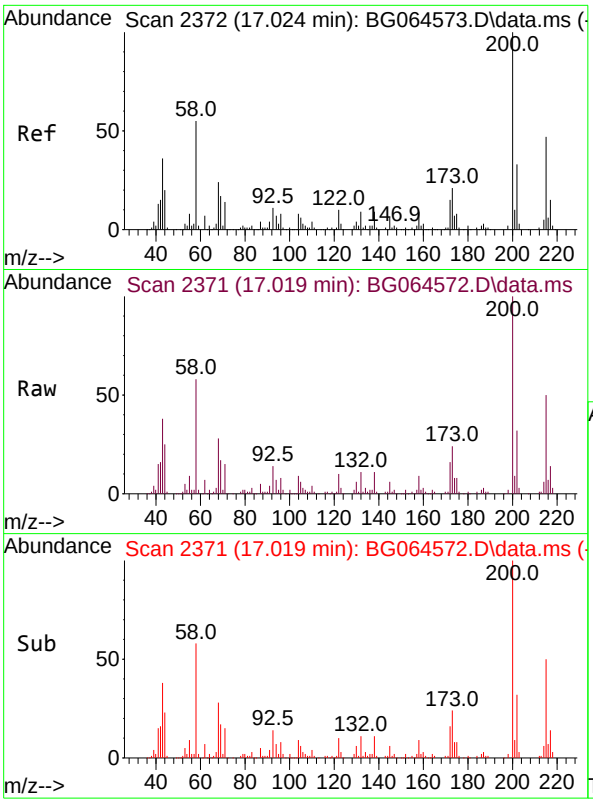


#68
Hexachlorobenzene
Concen: 19.391 ng
RT: 16.890 min Scan# 2349
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:284 Resp: 93647

Ion	Ratio	Lower	Upper
284	100		
142	25.4	21.0	31.6
249	34.6	24.9	37.3

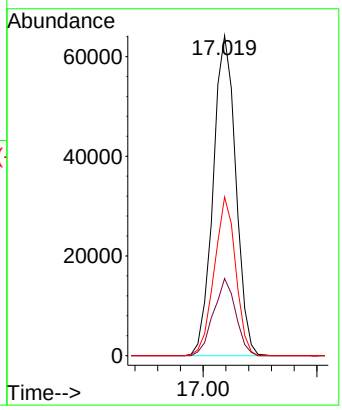




#69
Atrazine
Concen: 21.392 ng
RT: 17.019 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:200 Resp: 8883

Ion	Ratio	Lower	Upper
200	100		
173	24.1	0.9	40.9
215	49.6	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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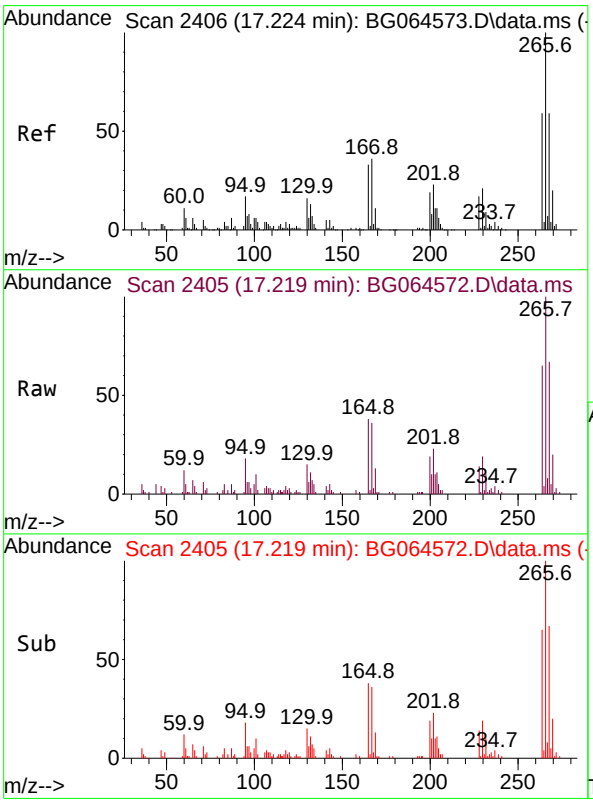
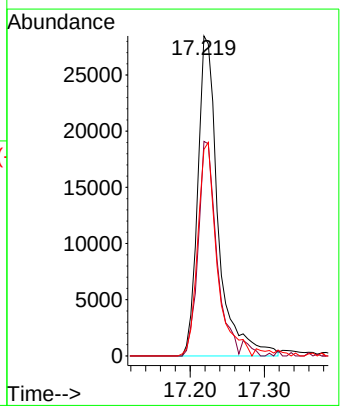
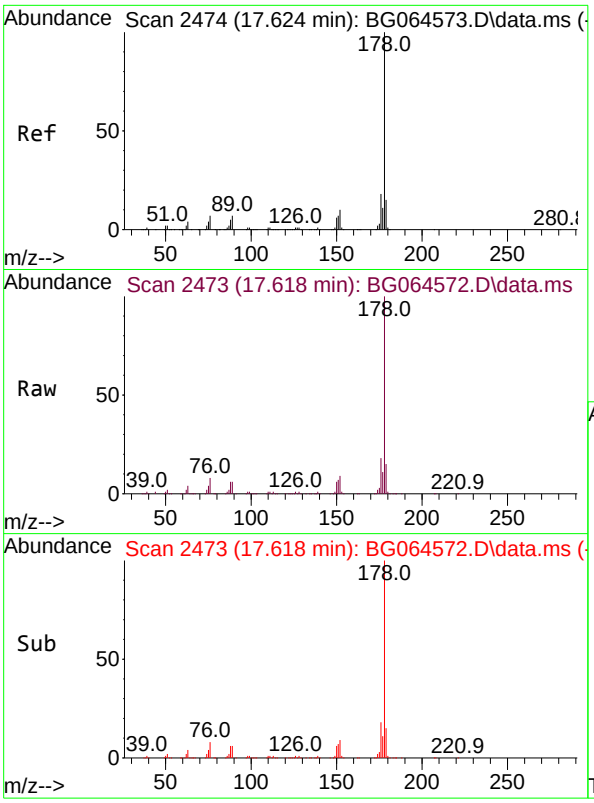


#70
Pentachlorophenol
Concen: 18.022 ng
RT: 17.219 min Scan# 2405
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:266 Resp: 54275

Ion	Ratio	Lower	Upper
266	100		
268	71.7	50.3	75.5
264	68.9	47.3	70.9

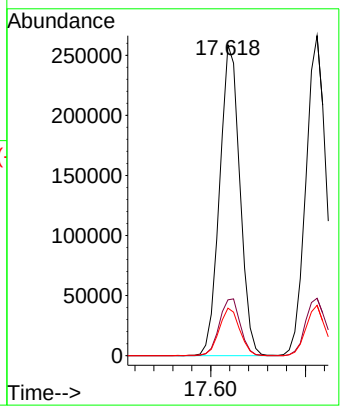




#71
Phenanthrene
Concen: 19.624 ng
RT: 17.618 min Scan# 24
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:178 Resp: 383359

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.7	22.1
179	15.3	12.2	18.4



Instrument :
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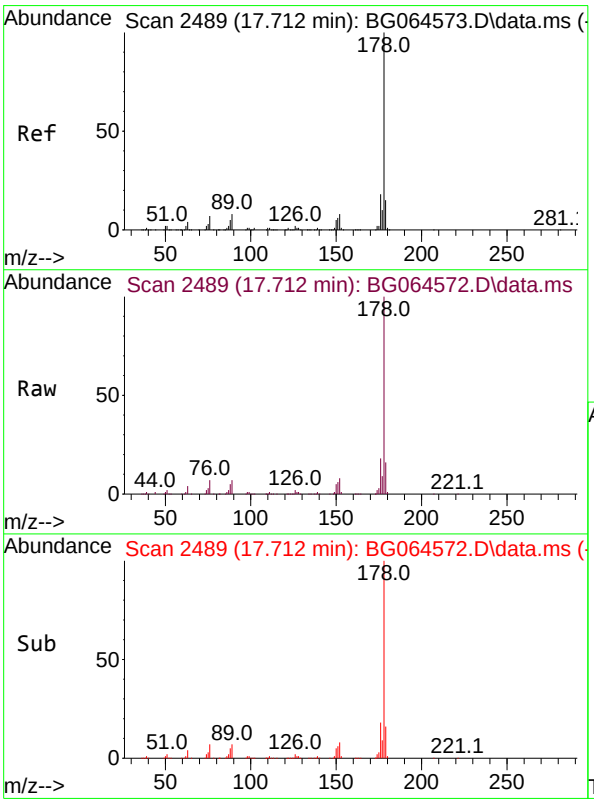
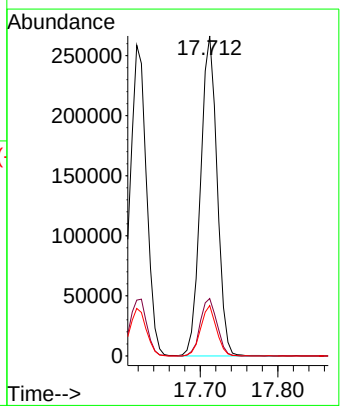
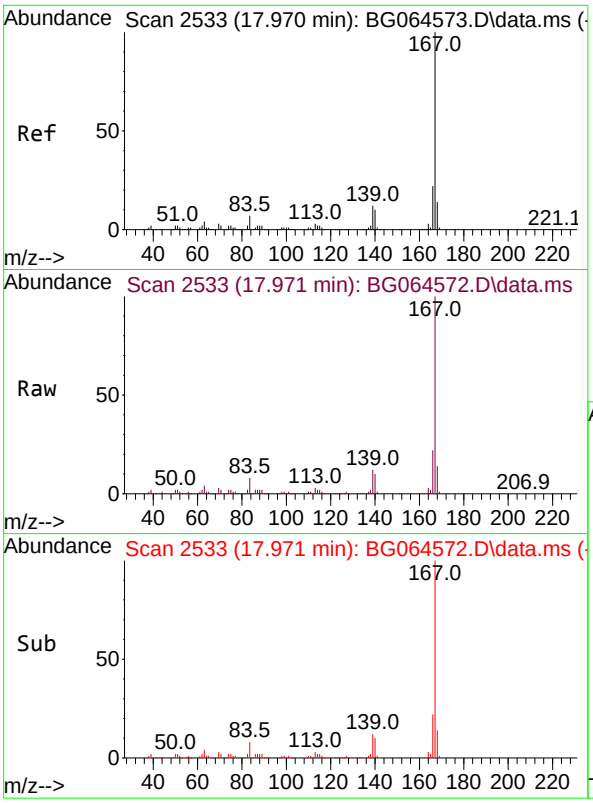


#72
Anthracene
Concen: 19.792 ng
RT: 17.712 min Scan# 2489
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:178 Resp: 393312

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.4	21.6
179	15.7	12.4	18.6

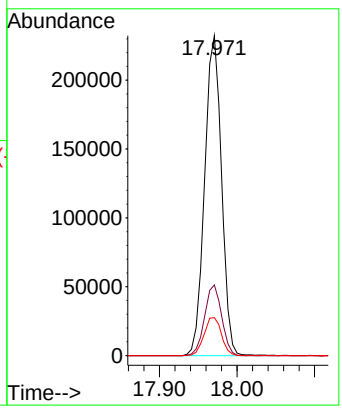




#73
Carbazole
Concen: 20.014 ng
RT: 17.971 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:167 Resp: 35072

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.9	26.9
139	11.9	9.7	14.5



Instrument :
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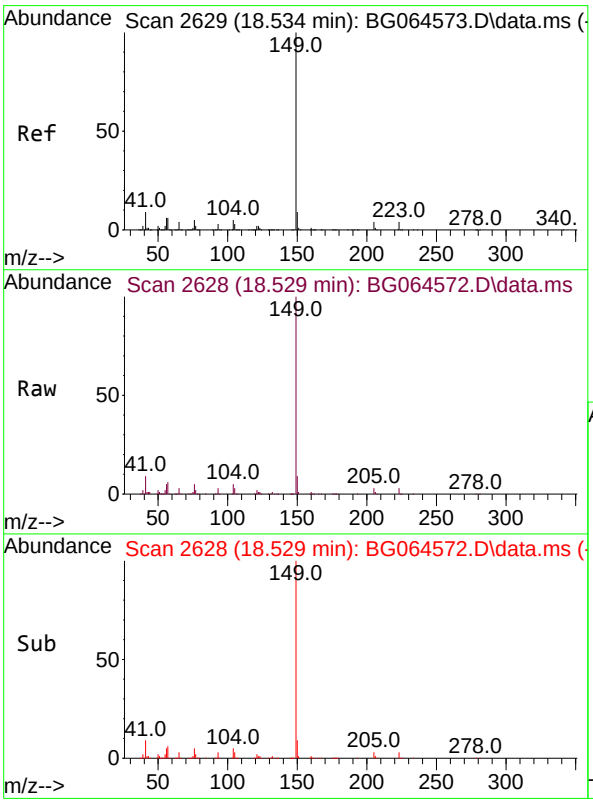
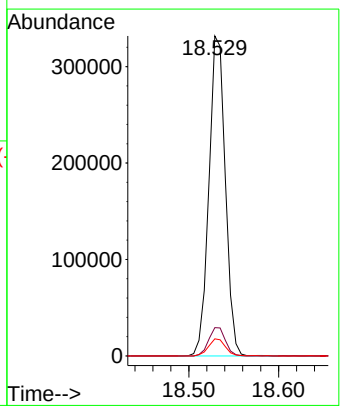
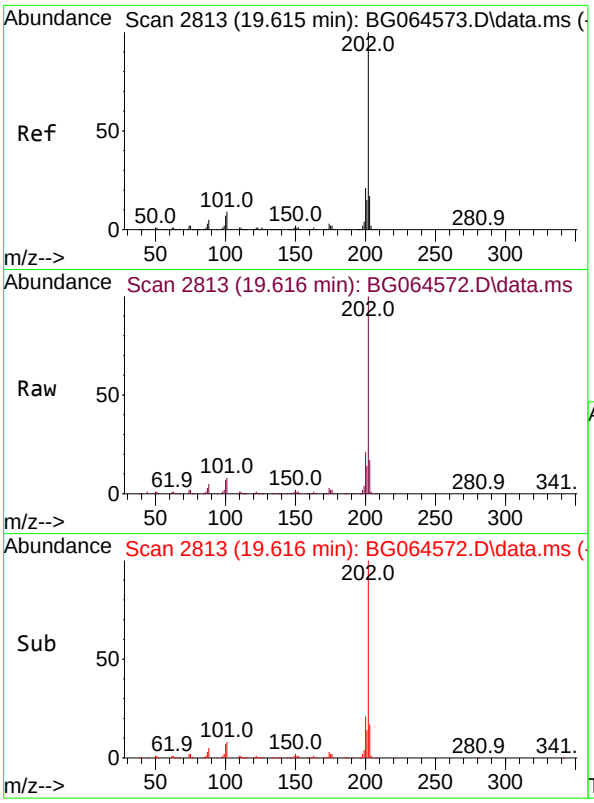


#74
Di-n-butylphthalate
Concen: 20.788 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 421239

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.4	4.1	6.1





#75
Fluoranthene
Concen: 20.142 ng
RT: 19.616 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:202 Resp: 49292

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.7
203	17.0	0.0	37.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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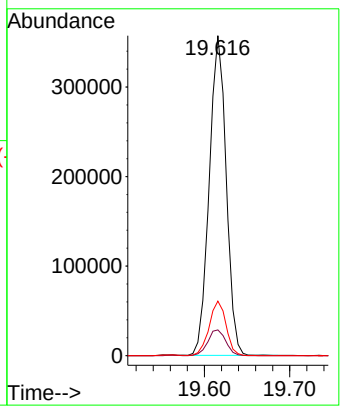
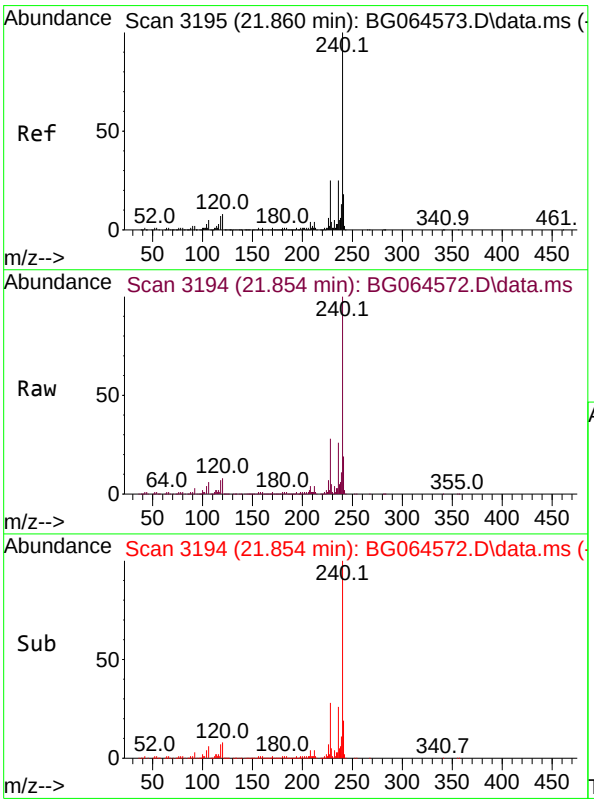
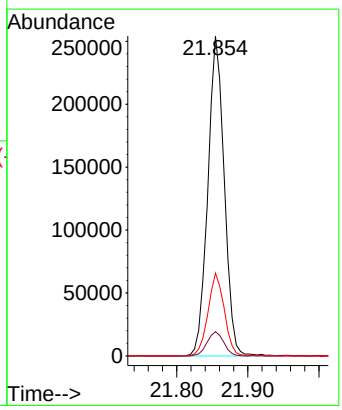


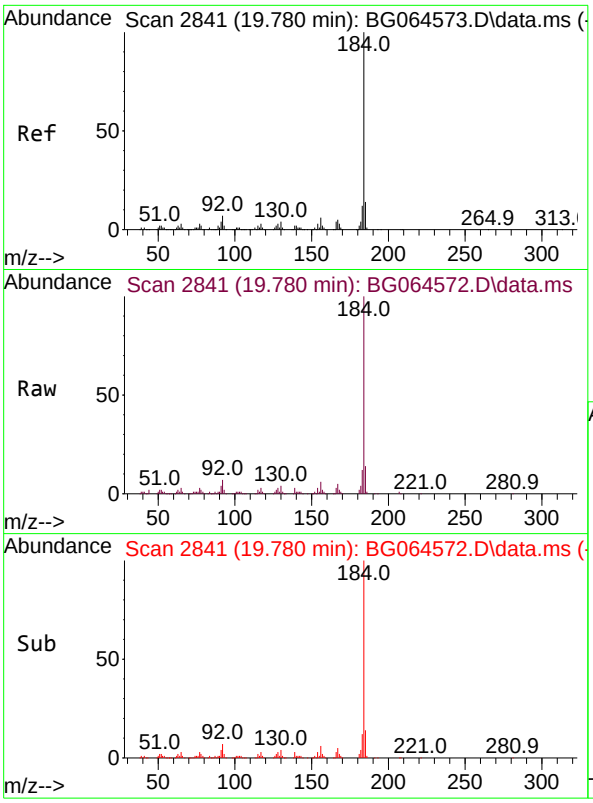


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3194
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:240 Resp: 408574

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	25.9	20.2	30.2

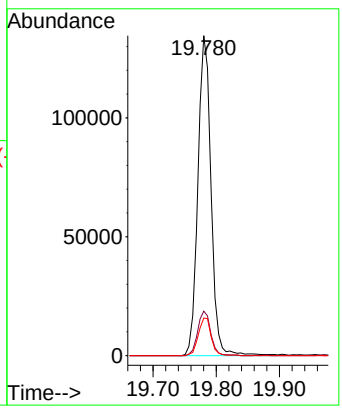




#77
Benzidine
Concen: 21.201 ng
RT: 19.780 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:184 Resp: 19407

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.4	17.2
183	11.7	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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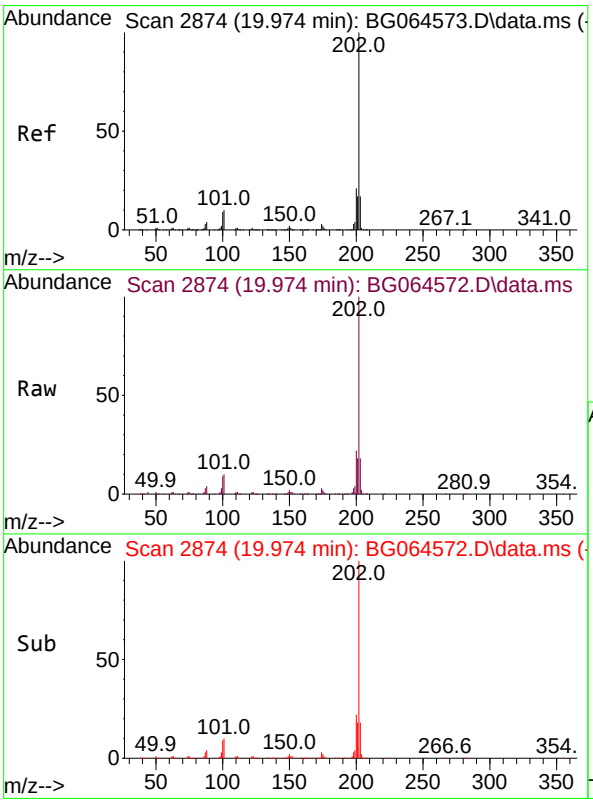
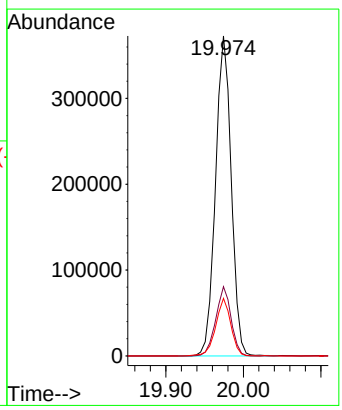
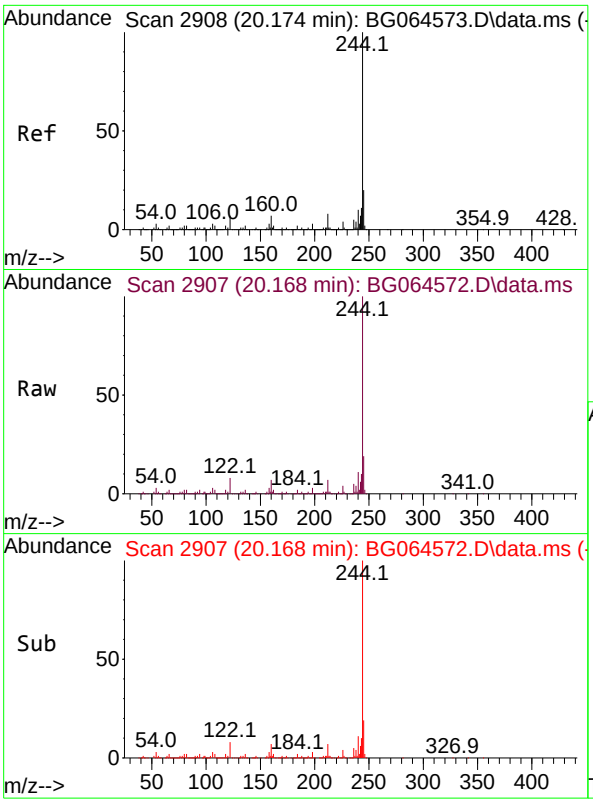


#78
Pyrene
Concen: 19.646 ng
RT: 19.974 min Scan# 2874
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:202 Resp: 524431

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	18.0	13.8	20.6





#79
Terphenyl-d14
Concen: 40.219 ng
RT: 20.168 min Scan# 29
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 870741

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	7.7	5.6	8.4

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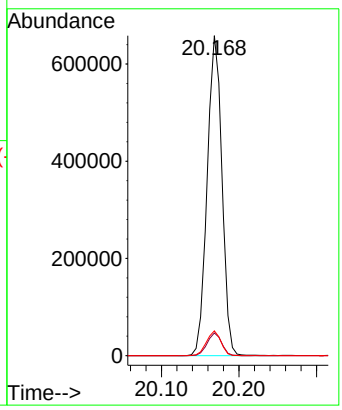
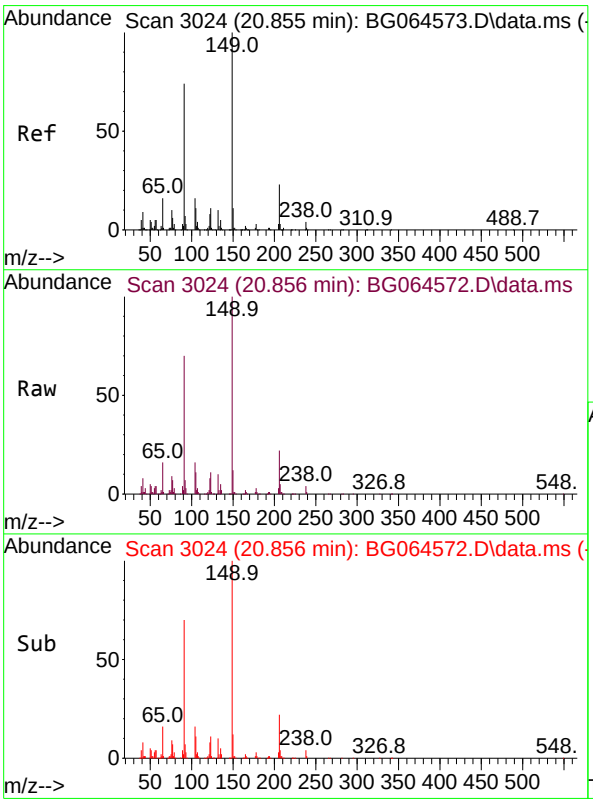
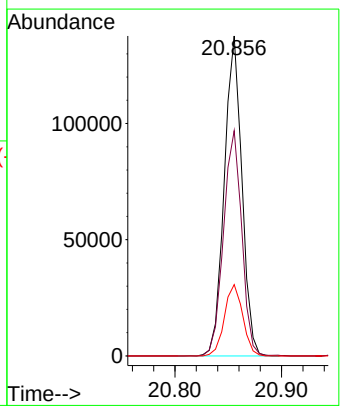


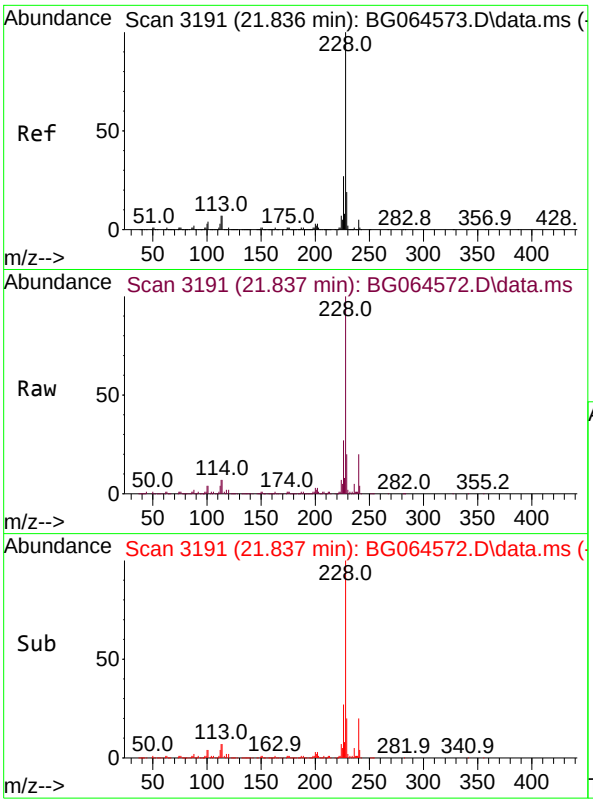


#80
Butylbenzylphthalate
Concen: 19.633 ng
RT: 20.856 min Scan# 3024
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 158394

Ion	Ratio	Lower	Upper
149	100		
91	70.4	59.2	88.8
206	22.3	18.1	27.1

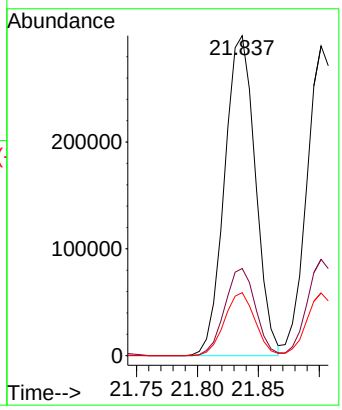




#81
Benzo(a)anthracene
Concen: 19.490 ng
RT: 21.837 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:228 Resp: 52800

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	19.7	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
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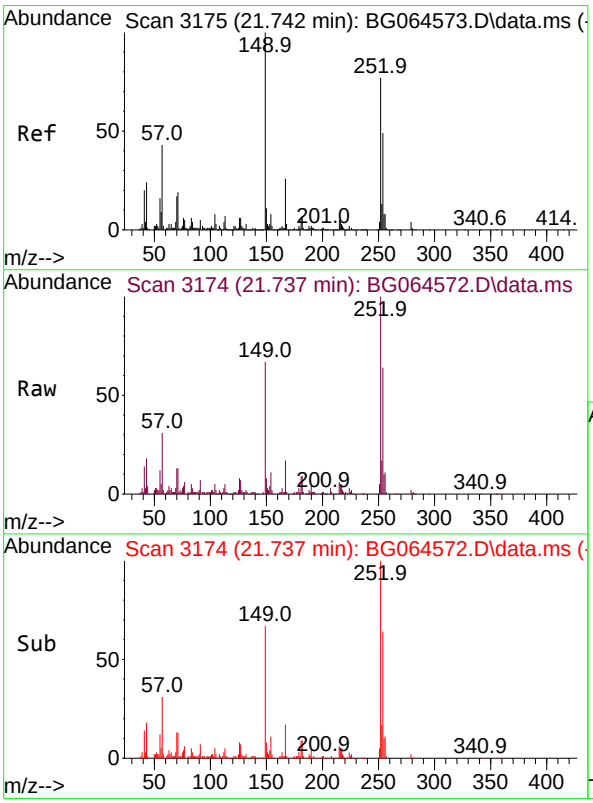
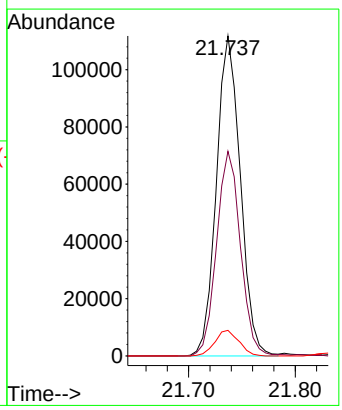
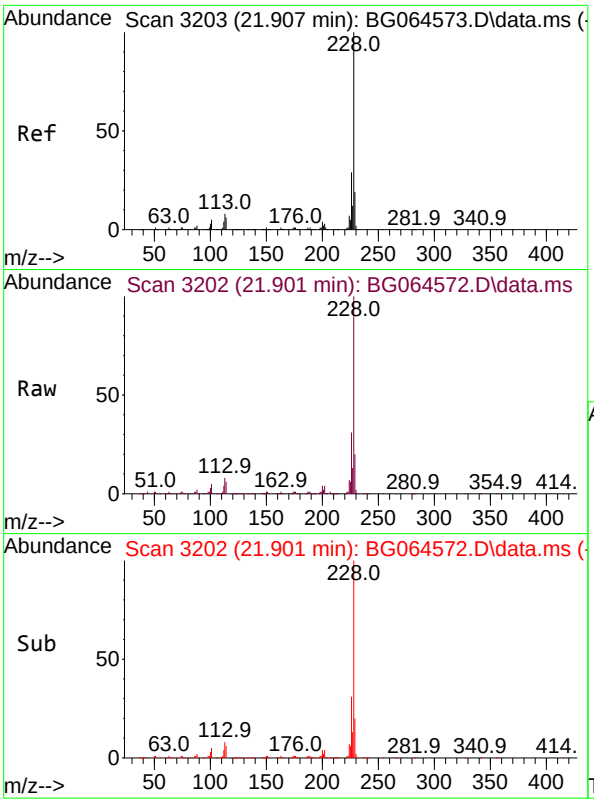


#82
3,3'-Dichlorobenzidine
Concen: 19.323 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:252 Resp: 174803

Ion	Ratio	Lower	Upper
252	100		
254	63.9	50.8	76.2
126	8.0	5.8	8.6

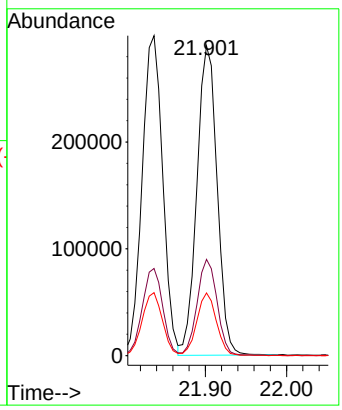




#83
Chrysene
Concen: 19.479 ng
RT: 21.901 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:228 Resp: 50212

Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.3	34.9
229	20.2	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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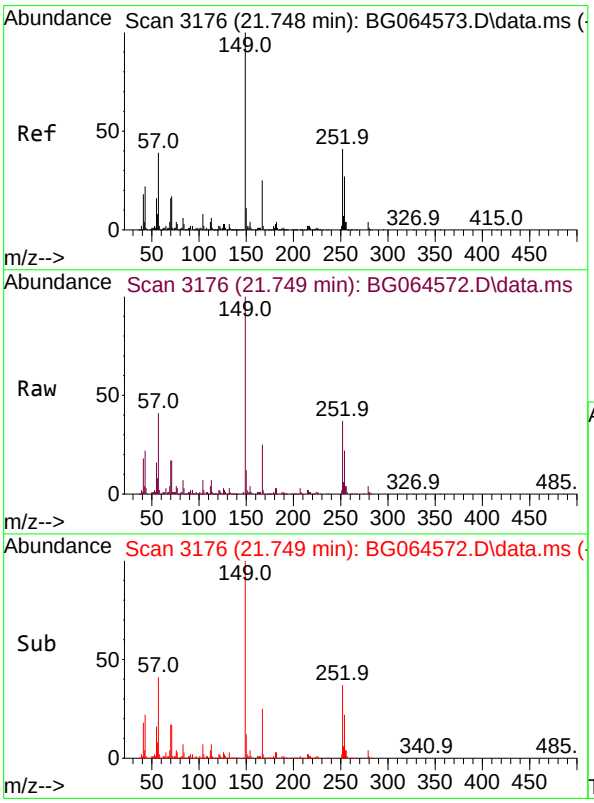
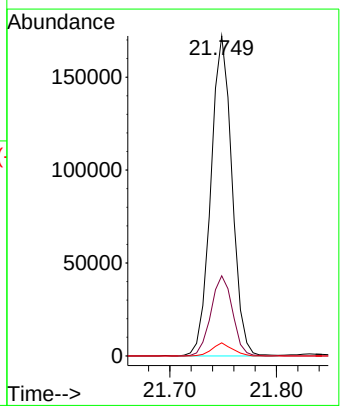
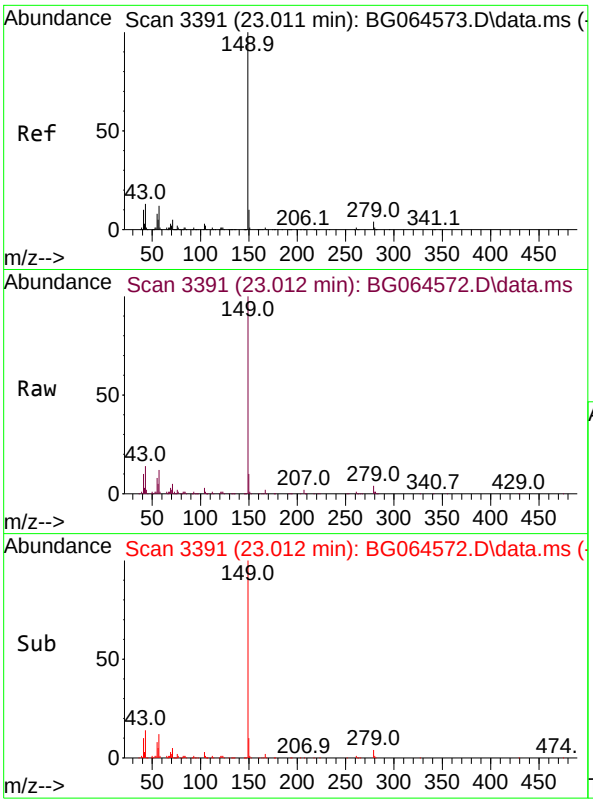


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.703 ng
RT: 21.749 min Scan# 3176
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 237524

Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.0	30.0
279	4.1	3.1	4.7

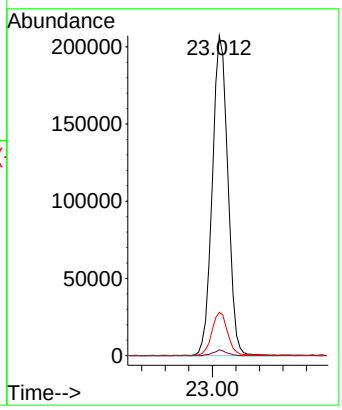




#85
Di-n-octyl phthalate
Concen: 18.740 ng
RT: 23.012 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 38089

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	14.0	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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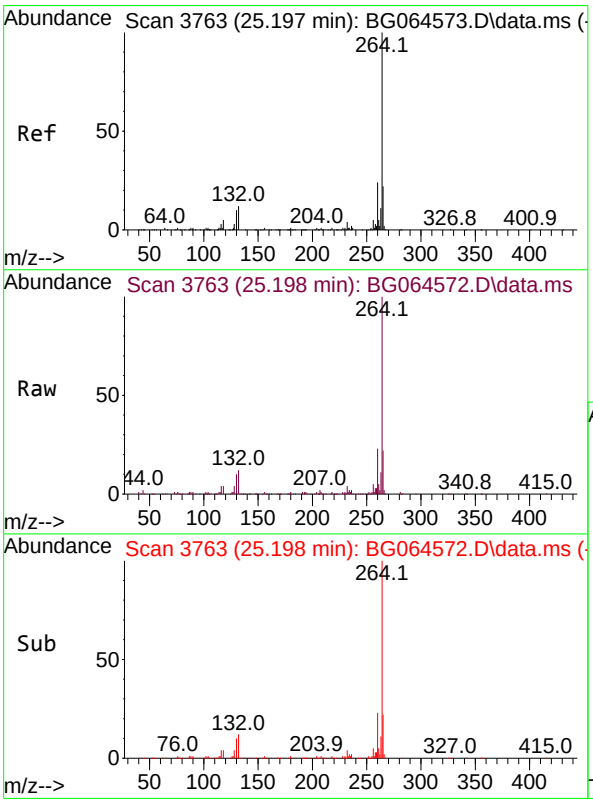
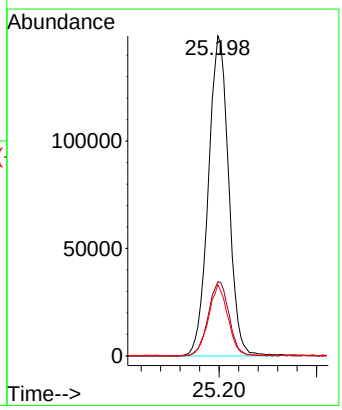
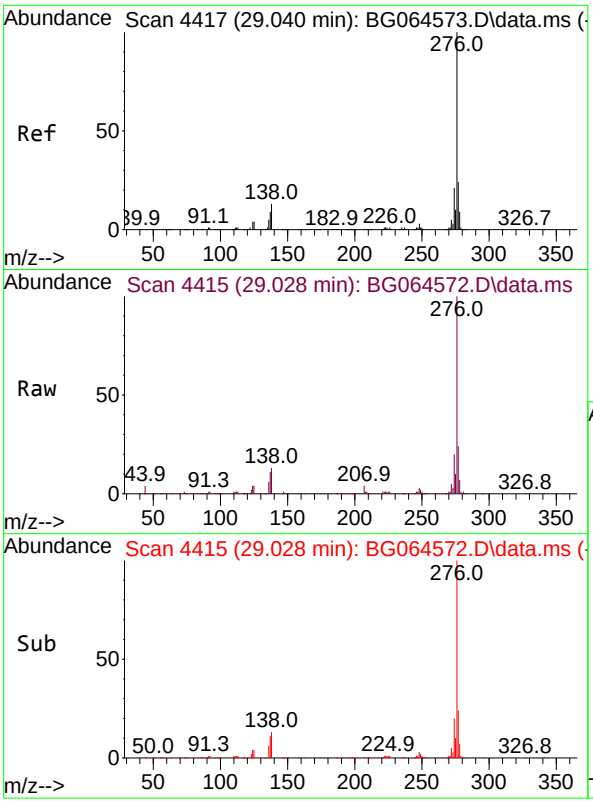


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3763
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:264 Resp: 430370

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	22.2	17.6	26.4

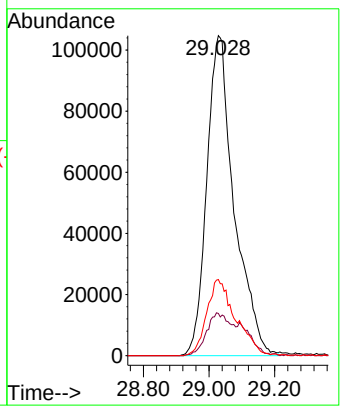




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.163 ng
RT: 29.028 min Scan# 44
Delta R.T. -0.032 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:276 Resp: 60670

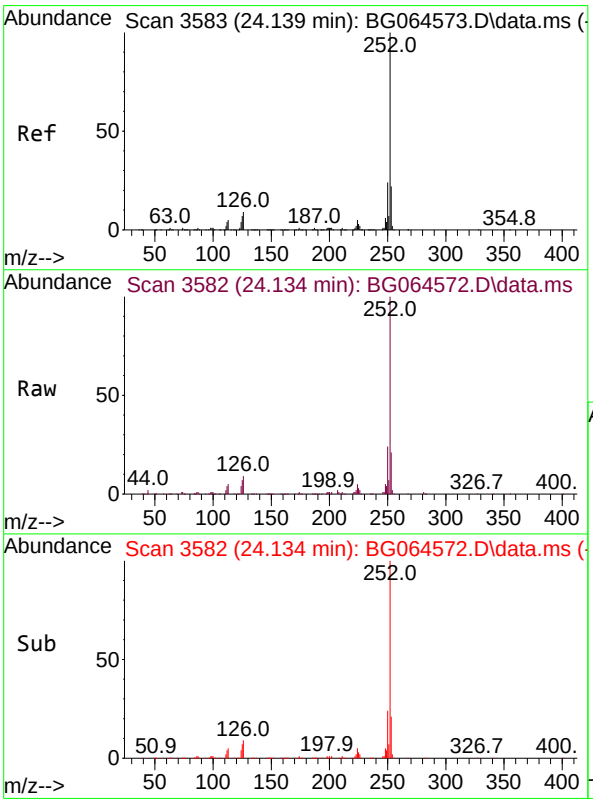
Ion	Ratio	Lower	Upper
276	100		
138	12.0	10.8	16.2
277	25.1	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

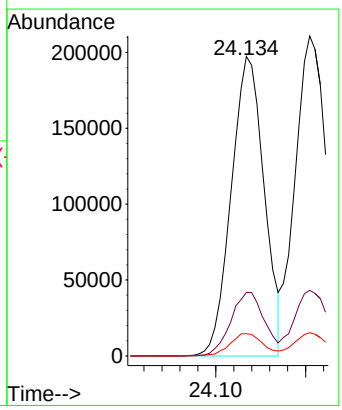
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

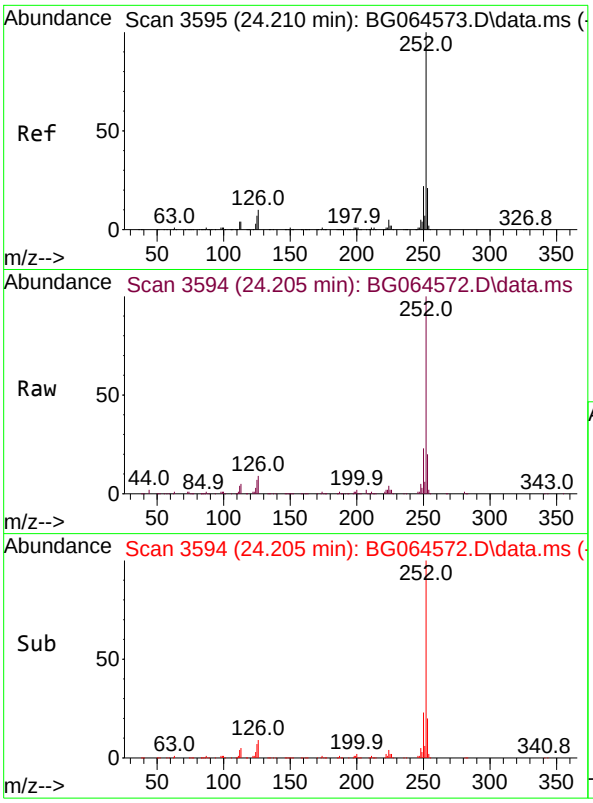


#88
Benzo(b)fluoranthene
Concen: 19.066 ng
RT: 24.134 min Scan# 3582
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:252 Resp: 503145

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.8
125	7.4	5.6	8.4

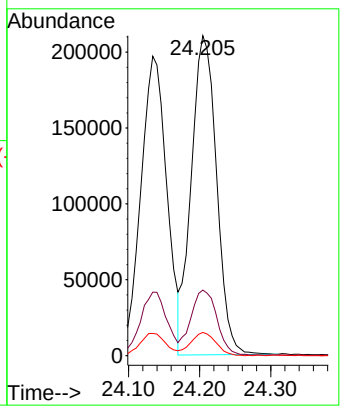




#89
Benzo(k)fluoranthene
Concen: 19.650 ng
RT: 24.205 min Scan# 3
Delta R.T. -0.015 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:252 Resp: 51891

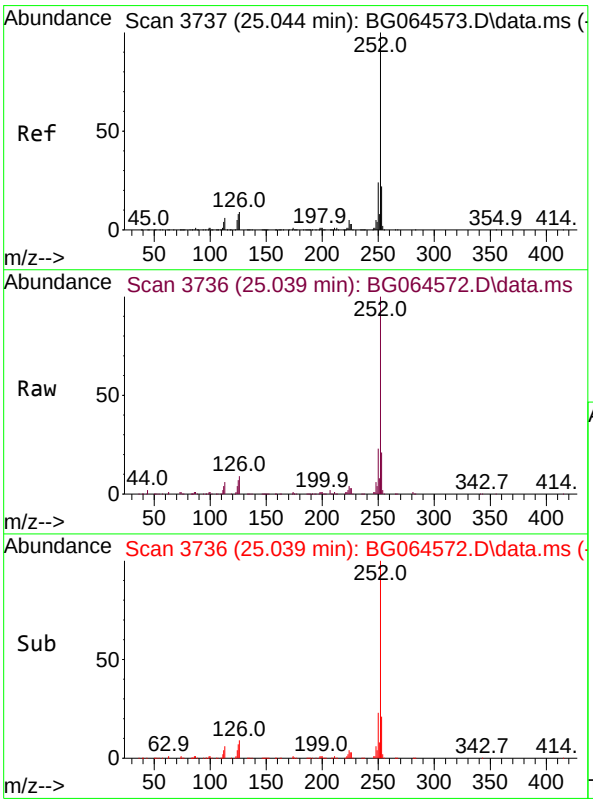
Ion	Ratio	Lower	Upper
252	100		
253	20.5	16.8	25.2
125	7.2	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

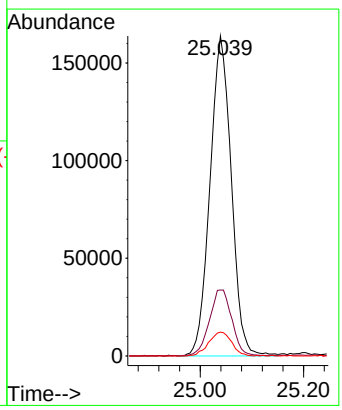
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

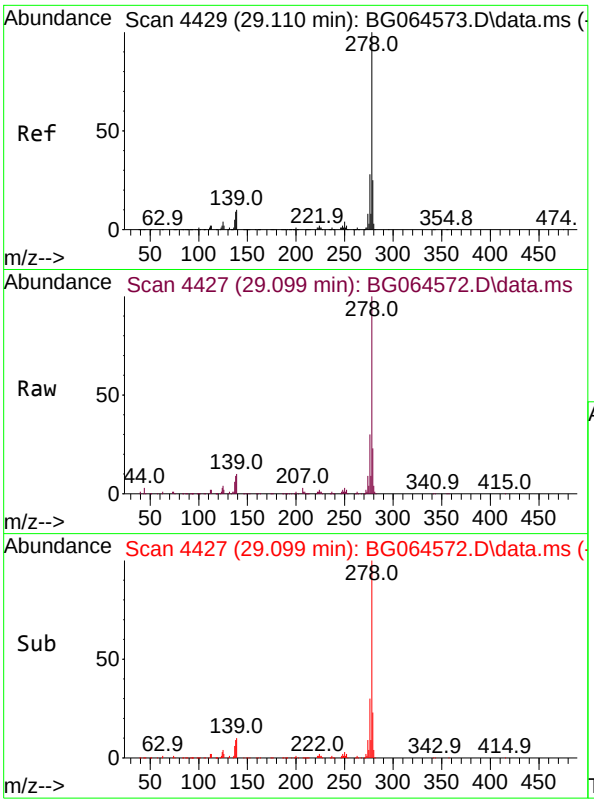


#90
Benzo(a)pyrene
Concen: 19.398 ng
RT: 25.039 min Scan# 3736
Delta R.T. -0.021 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:252 Resp: 470556

Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.6	26.4
125	7.4	6.1	9.1

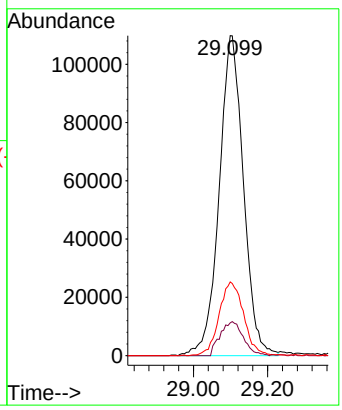




#91
Dibenzo(a,h)anthracene
Concen: 19.377 ng
RT: 29.099 min Scan# 44
Delta R.T. -0.038 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:278 Resp: 49839

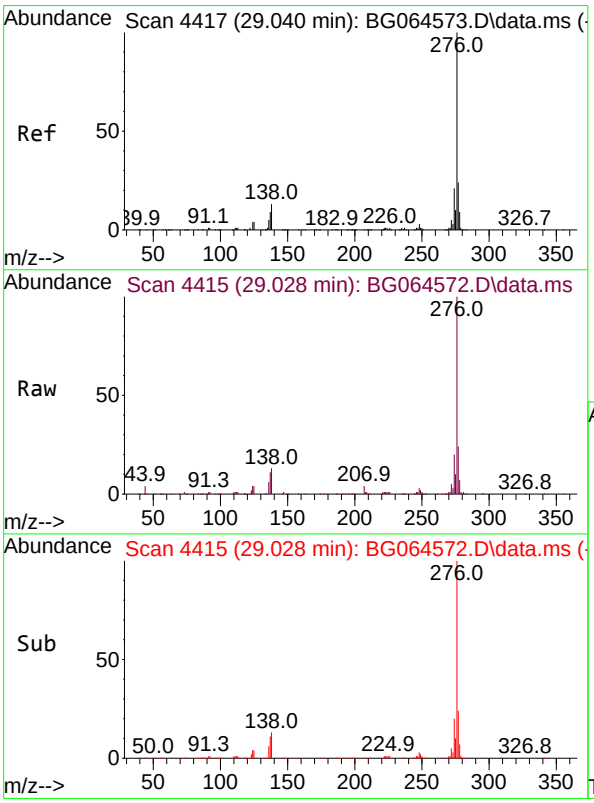
Ion	Ratio	Lower	Upper
278	100		
139	10.2	8.0	12.0
279	23.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

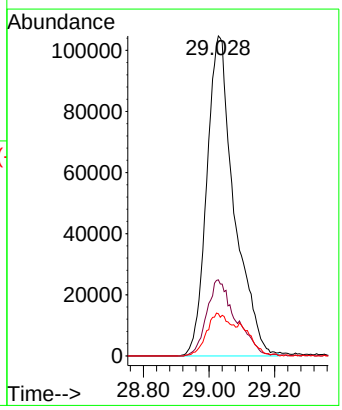
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 19.163 ng
RT: 29.028 min Scan# 4415
Delta R.T. -0.032 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:276 Resp: 606702

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	13.2	10.7	16.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 17:11:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	40195	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	164795	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	130542	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	313311	20.000	ng	0.00
76) Chrysene-d12	21.860	240	332834	20.000	ng	0.00
86) Perylene-d12	25.197	264	350897	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	207807	86.778	ng	0.00
7) Phenol-d6	7.353	99	284694	86.638	ng	0.00
23) Nitrobenzene-d5	9.386	82	248341	90.513	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	165976	88.092	ng	0.00
45) 2-Fluorobiphenyl	13.476	172	722477	83.888	ng	0.00
79) Terphenyl-d14	20.174	244	1521028	86.242	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.587	88	42215	39.818	ng	100
3) Pyridine	3.998	79	134153	42.136	ng	100
4) n-Nitrosodimethylamine	3.904	42	72367	42.385	ng	100
6) Aniline	7.530	93	191799	42.894	ng	100
8) 2-Chlorophenol	7.776	128	110414	44.051	ng	100
9) Benzaldehyde	7.342	77	75557	42.117	ng	100
10) Phenol	7.377	94	156259	42.998	ng	100
11) bis(2-Chloroethyl)ether	7.530	93	191799	42.894	ng	100
12) 1,3-Dichlorobenzene	8.111	146	122224	42.367	ng	100
13) 1,4-Dichlorobenzene	8.258	146	123314	42.038	ng	100
14) 1,2-Dichlorobenzene	8.581	146	119228	42.140	ng	100
15) Benzyl Alcohol	8.446	79	114526	42.265	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.740	45	300095	42.819	ng	100
17) 2-Methylphenol	8.446	107	59910	44.231	ng	100
18) Hexachloroethane	9.322	117	43488	42.246	ng	100
19) n-Nitroso-di-n-propyla...	9.028	70	98647	43.438	ng	100
20) 3+4-Methylphenols	8.975	107	146177	43.080	ng	100
22) Acetophenone	9.045	105	192583	42.750	ng	100
24) Nitrobenzene	9.427	77	135107	45.274	ng	100
25) Isophorone	9.956	82	286439	43.507	ng	100
26) 2-Nitrophenol	10.144	139	45134	39.772	ng	100
27) 2,4-Dimethylphenol	10.191	122	110518	44.243	ng	100
28) bis(2-Chloroethoxy)met...	10.438	93	161449	43.070	ng	100
29) 2,4-Dichlorophenol	10.679	162	118669	45.026	ng	100
30) 1,2,4-Trichlorobenzene	10.908	180	128902	43.046	ng	100
31) Naphthalene	11.096	128	388032	42.469	ng	100
32) Benzoic acid	10.309	122	72661m	41.457	ng	
33) 4-Chloroaniline	11.190	127	151231	42.585	ng	100
34) Hexachlorobutadiene	11.390	225	98683	42.139	ng	100
35) Caprolactam	11.948	113	44205	43.731	ng	100
36) 4-Chloro-3-methylphenol	12.289	107	140272	44.278	ng	100
37) 2-Methylnaphthalene	12.688	142	285089	42.499	ng	100
38) 1-Methylnaphthalene	12.906	142	281256	42.611	ng	100
40) 1,2,4,5-Tetrachloroben...	13.052	216	183376	41.856	ng	100
41) Hexachlorocyclopentadiene	13.041	237	84505	42.853	ng	100
43) 2,4,6-Trichlorophenol	13.276	196	110509	44.097	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 17:11:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	126360	43.694	ng	100
46) 1,1'-Biphenyl	13.681	154	388718	41.885	ng	100
47) 2-Chloronaphthalene	13.728	162	295501	42.182	ng	100
48) 2-Nitroaniline	13.910	65	90958	39.303	ng	100
49) Acenaphthylene	14.568	152	466393	42.209	ng	100
50) Dimethylphthalate	14.286	163	428475	42.894	ng	100
51) 2,6-Dinitrotoluene	14.398	165	64452	39.696	ng	100
52) Acenaphthene	14.909	154	319250	42.289	ng	100
53) 3-Nitroaniline	14.727	138	76841	44.762	ng	100
54) 2,4-Dinitrophenol	14.927	184	35677	38.390	ng	100
55) Dibenzofuran	15.238	168	512547	41.995	ng	100
56) 4-Nitrophenol	15.009	139	68064	42.765	ng	100
57) 2,4-Dinitrotoluene	15.179	165	100448	39.962	ng	100
58) Fluorene	15.884	166	399745	41.939	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.456	232	121762	44.030	ng	100
60) Diethylphthalate	15.649	149	432571	42.412	ng	100
61) 4-Chlorophenyl-phenyle...	15.879	204	226104	42.270	ng	100
62) 4-Nitroaniline	15.884	138	85297	44.662	ng	100
63) Azobenzene	16.166	77	401676	42.922	ng	100
65) 4,6-Dinitro-2-methylph...	15.943	198	51829	38.770	ng	100
66) n-Nitrosodiphenylamine	16.084	169	365624	43.201	ng	100
67) 4-Bromophenyl-phenylether	16.766	248	161744	43.563	ng	100
68) Hexachlorobenzene	16.889	284	183262	43.265	ng	100
69) Atrazine	17.024	200	153706	42.203	ng	100
70) Pentachlorophenol	17.224	266	112769	42.694	ng	100
71) Phenanthrene	17.624	178	728184	42.500	ng	100
72) Anthracene	17.712	178	743567	42.663	ng	100
73) Carbazole	17.970	167	646319	42.053	ng	100
74) Di-n-butylphthalate	18.534	149	776847	43.711	ng	100
75) Fluoranthene	19.615	202	902557	42.050	ng	100
77) Benzidine	19.780	184	325845	43.697	ng	100
78) Pyrene	19.974	202	939110	43.186	ng	100
80) Butylbenzylphthalate	20.855	149	299706	45.601	ng	100
81) Benzo(a)anthracene	21.836	228	942839	42.723	ng	100
82) 3,3'-Dichlorobenzidine	21.742	252	317851	43.131	ng	100
83) Chrysene	21.907	228	894813	42.613	ng	100
84) Bis(2-ethylhexyl)phtha...	21.748	149	446785	45.494	ng	100
85) Di-n-octyl phthalate	23.011	149	723360	43.688	ng	100
87) Indeno(1,2,3-cd)pyrene	29.040	276	1100259	42.624	ng	100
88) Benzo(b)fluoranthene	24.139	252	927550	43.108	ng	100
89) Benzo(k)fluoranthene	24.210	252	901706	41.878	ng	100
90) Benzo(a)pyrene	25.044	252	843258	42.635	ng	100
91) Dibenzo(a,h)anthracene	29.110	278	889808	42.430	ng	100
92) Benzo(g,h,i)perylene	29.040	276	1100259	42.624	ng	100

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

ICAL Form

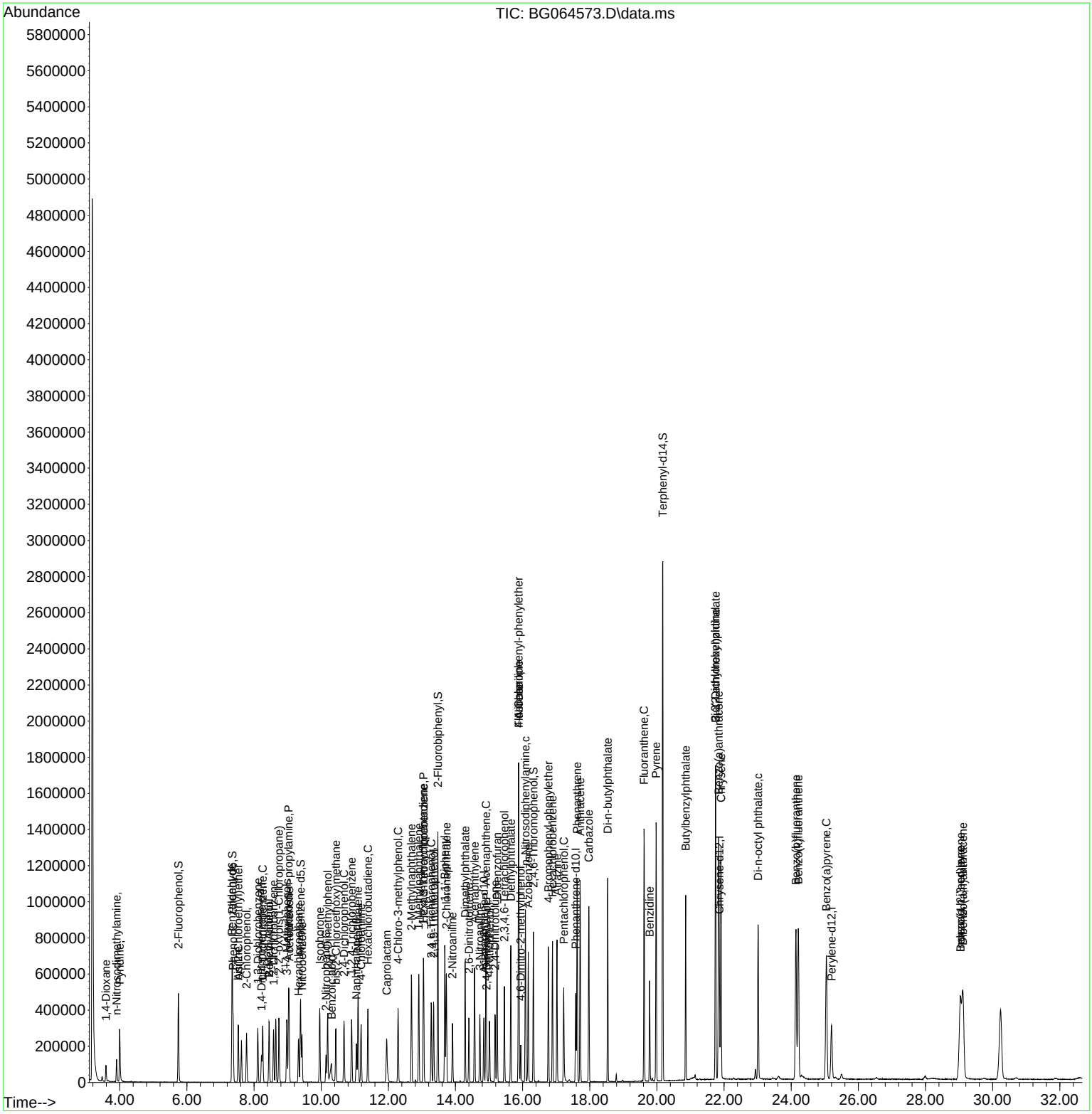
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

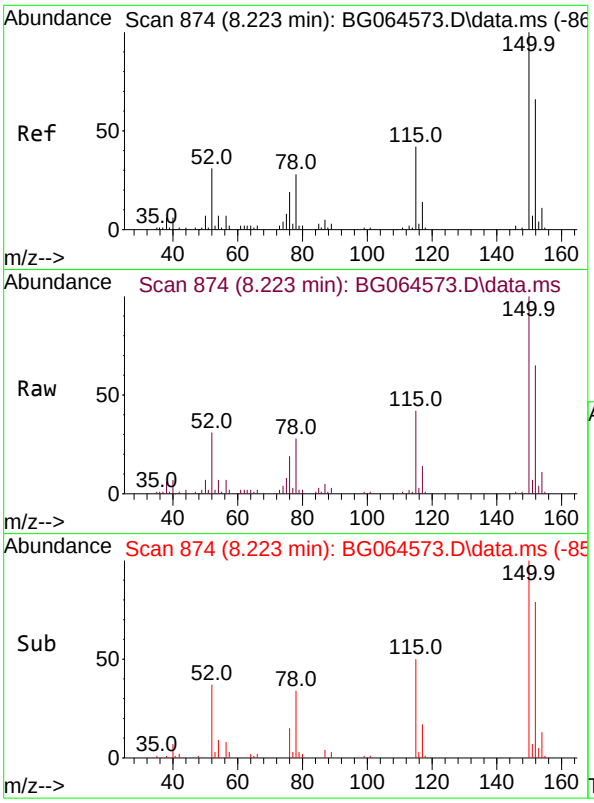
Quant Time: Oct 24 17:11:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

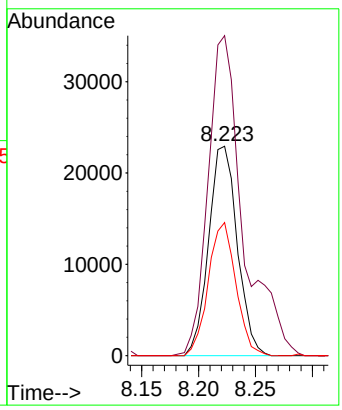




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:152 Resp: 4019

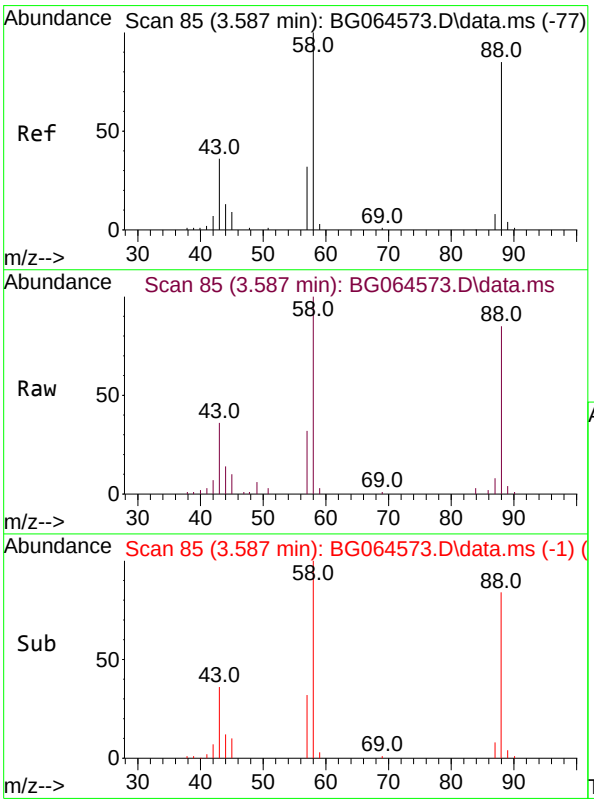
Ion	Ratio	Lower	Upper
152	100		
150	152.8	122.2	183.4
115	63.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

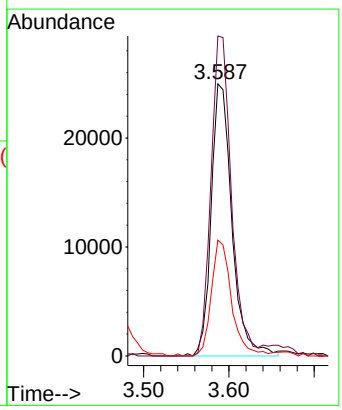
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

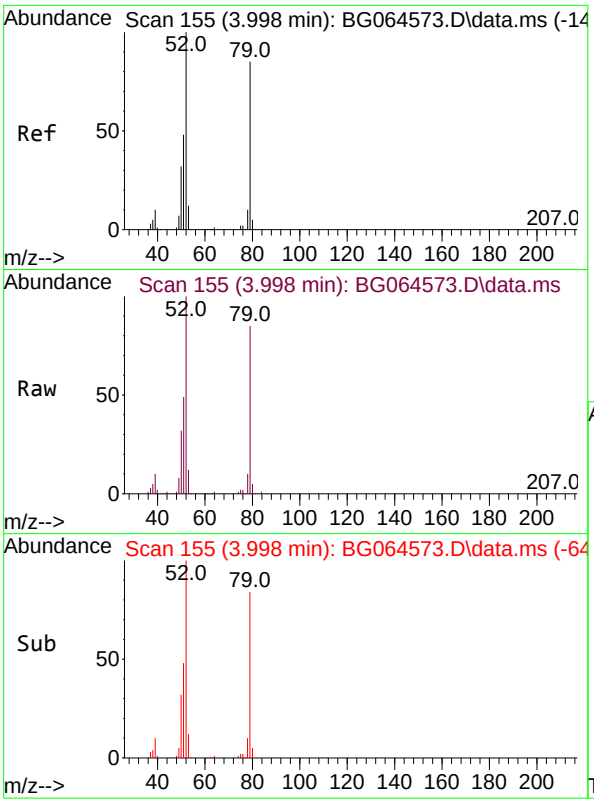


#2
1,4-Dioxane
Concen: 39.818 ng
RT: 3.587 min Scan# 85
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 88 Resp: 42215

Ion	Ratio	Lower	Upper
88	100		
58	115.5	92.4	138.6
43	41.3	33.0	49.6

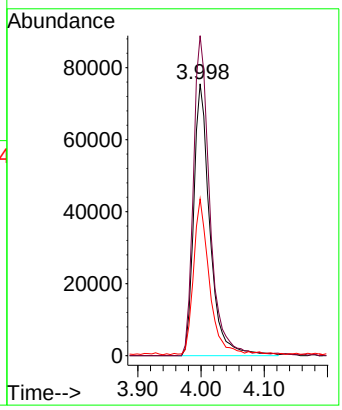




#3
Pyridine
Concen: 42.136 ng
RT: 3.998 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 79 Resp: 13415

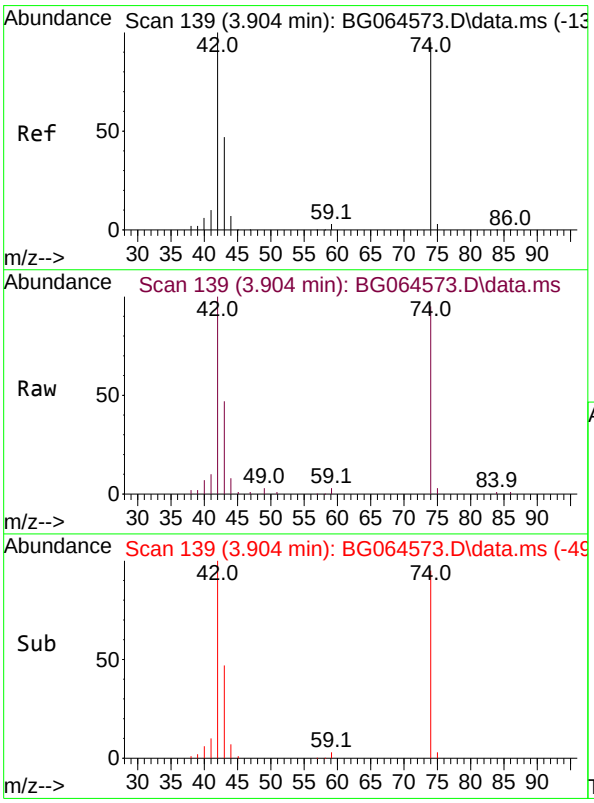
Ion	Ratio	Lower	Upper
79	100		
52	117.7	94.2	141.2
51	57.6	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

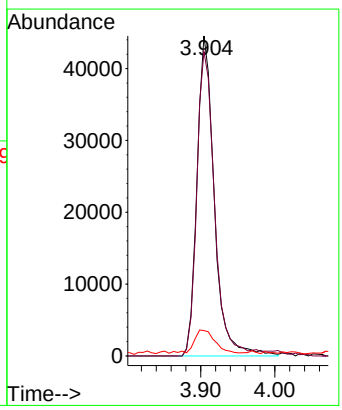
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

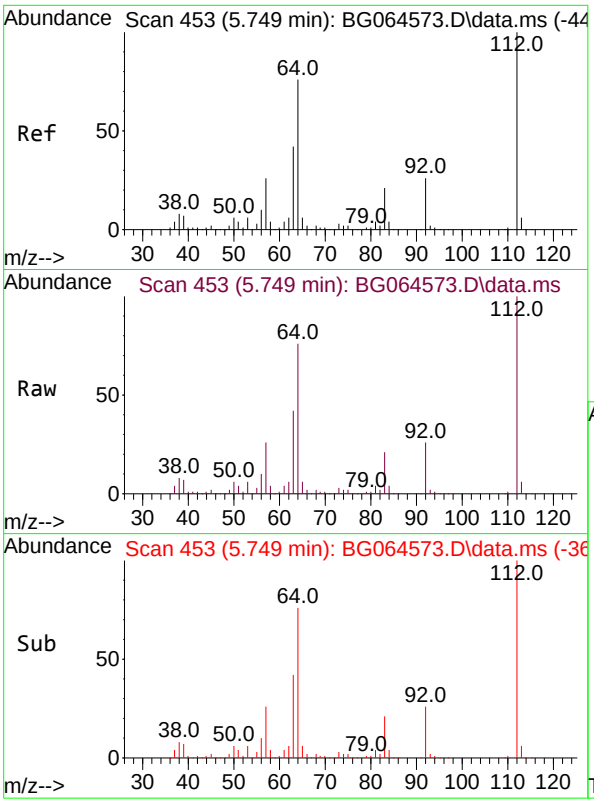


#4
n-Nitrosodimethylamine
Concen: 42.385 ng
RT: 3.904 min Scan# 139
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 42 Resp: 72367

Ion	Ratio	Lower	Upper
42	100		
74	95.1	76.1	114.1
44	7.9	6.3	9.5

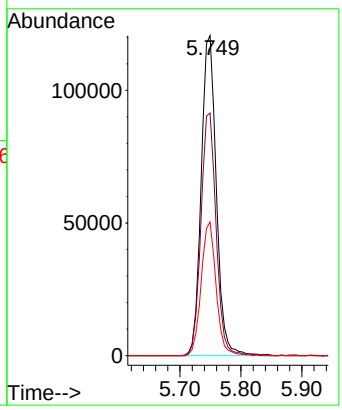




#5
2-Fluorophenol
Concen: 86.778 ng
RT: 5.749 min Scan# 4
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:112 Resp: 20780

Ion	Ratio	Lower	Upper
112	100		
64	75.9	60.7	91.1
63	41.7	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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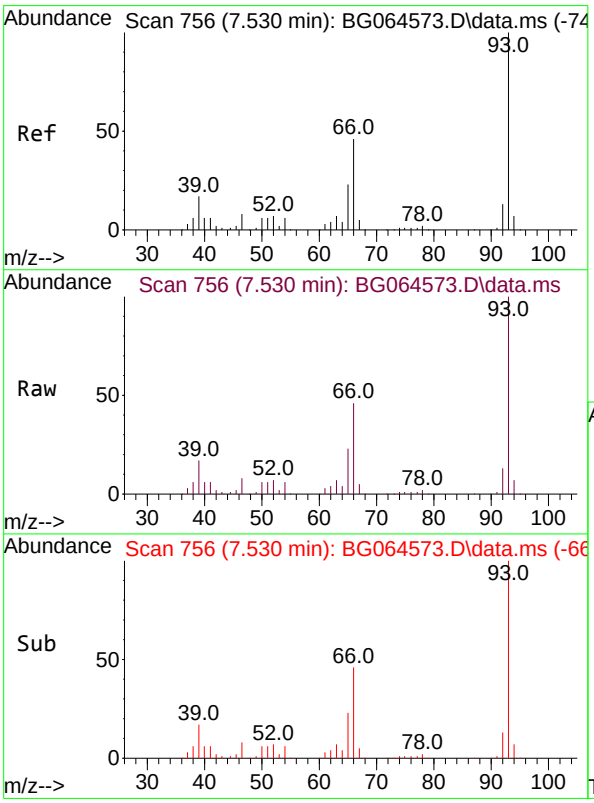
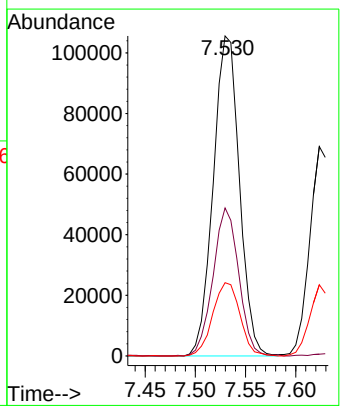
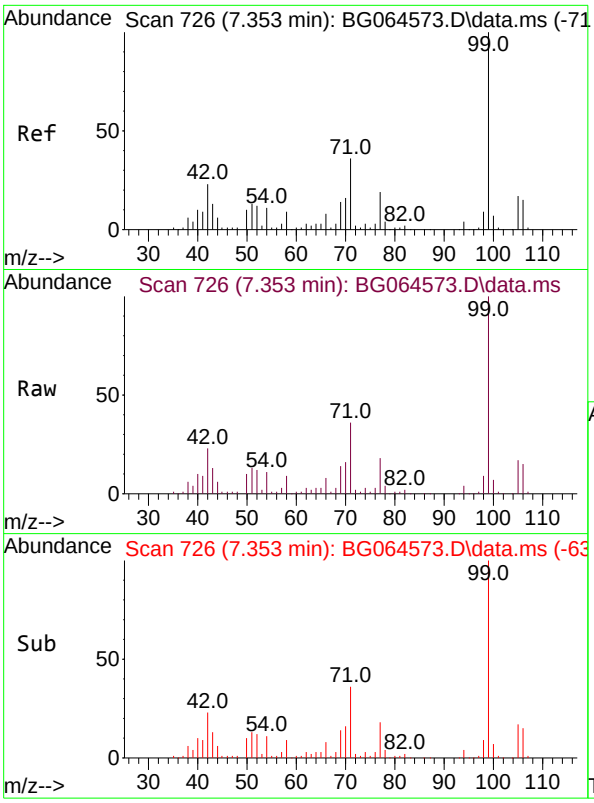


#6
Aniline
Concen: 42.894 ng
RT: 7.530 min Scan# 756
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 93 Resp: 191799

Ion	Ratio	Lower	Upper
93	100		
66	46.3	37.0	55.6
65	22.9	18.3	27.5

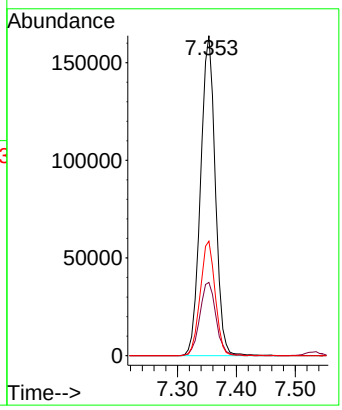




#7
Phenol-d6
Concen: 86.638 ng
RT: 7.353 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 99 Resp: 28469

Ion	Ratio	Lower	Upper
99	100		
42	22.9	18.3	27.5
71	35.8	28.6	43.0



Instrument :
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ClientSampleId :
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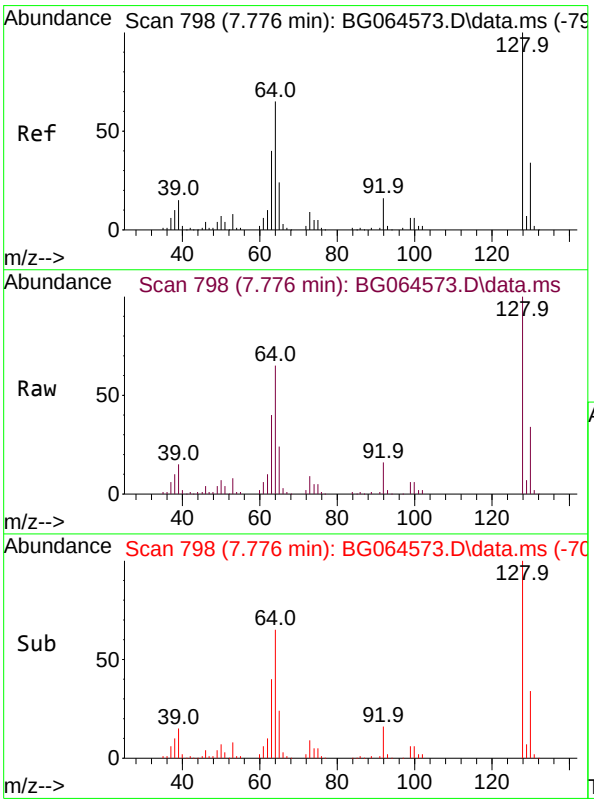
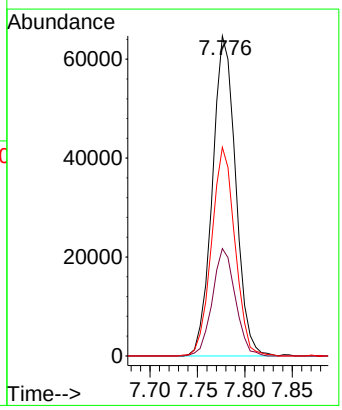
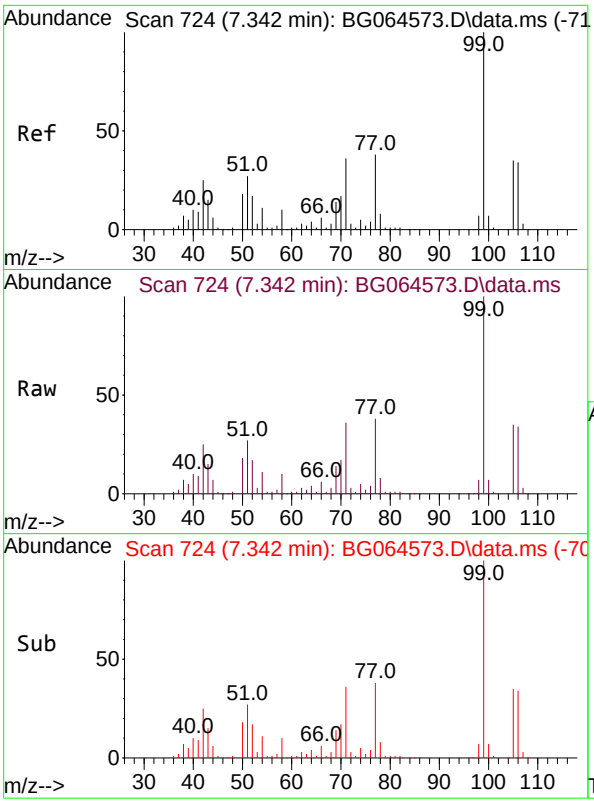


#8
2-Chlorophenol
Concen: 44.051 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:128 Resp: 110414

Ion	Ratio	Lower	Upper
128	100		
130	33.5	13.5	53.5
64	65.2	45.2	85.2

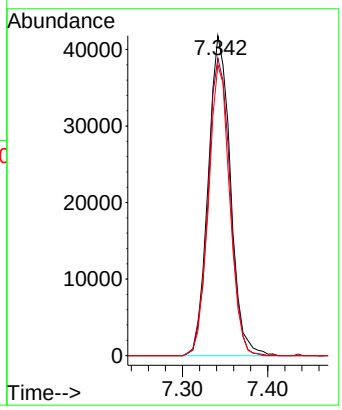




#9
Benzaldehyde
Concen: 42.117 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 77 Resp: 7555

Ion	Ratio	Lower	Upper
77	100		
105	92.9	72.9	112.9
106	90.8	70.8	110.8



Instrument :
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ClientSampleId :
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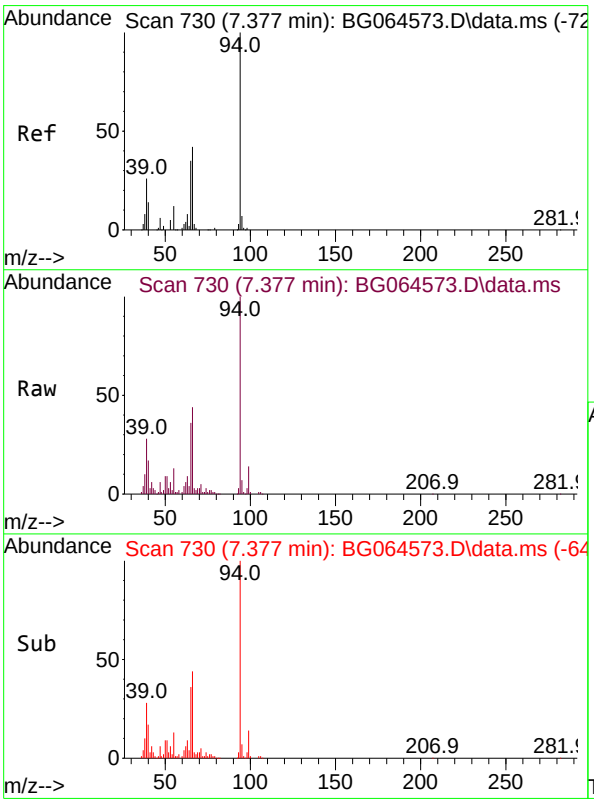
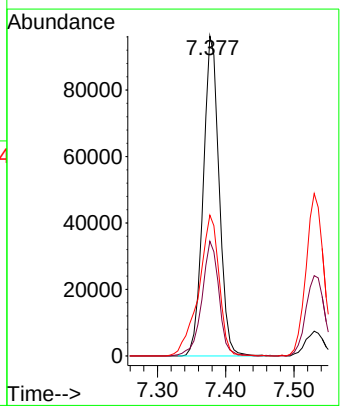
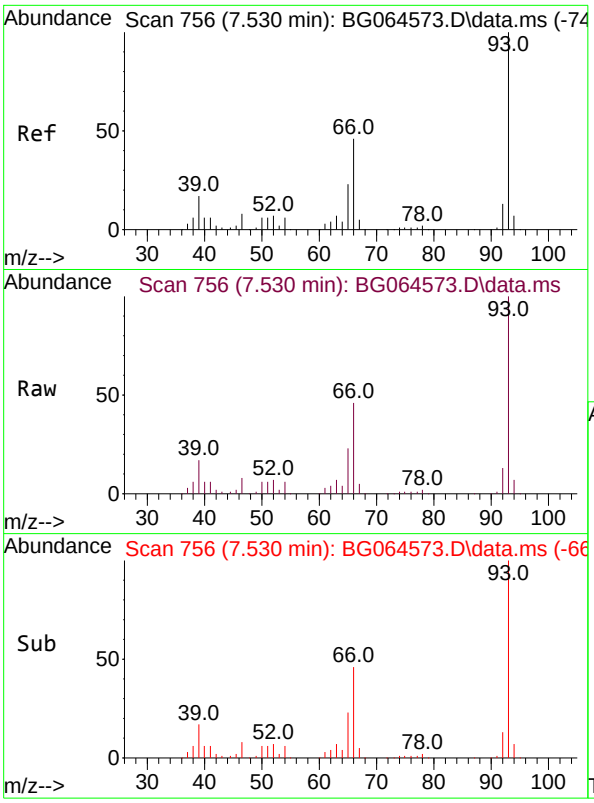


#10
Phenol
Concen: 42.998 ng
RT: 7.377 min Scan# 730
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 94 Resp: 156259

Ion	Ratio	Lower	Upper
94	100		
65	35.8	15.8	55.8
66	44.0	24.0	64.0

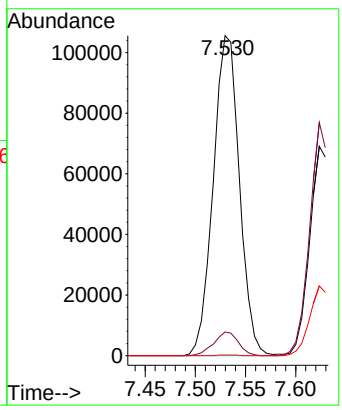




#11
bis(2-Chloroethyl)ether
Concen: 42.894 ng
RT: 7.530 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 93 Resp: 19179

Ion	Ratio	Lower	Upper
93	100		
63	7.4	0.0	27.4
95	0.2	0.0	20.2



Instrument :
BNA_G
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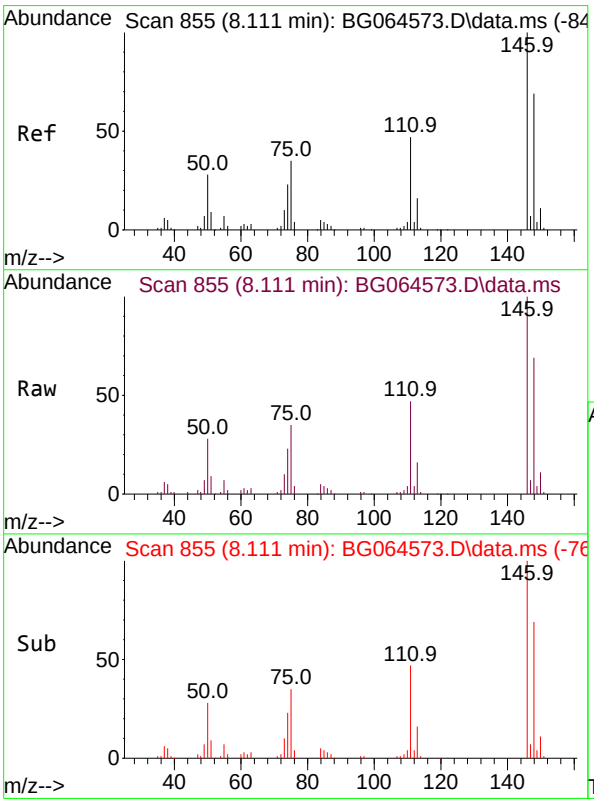
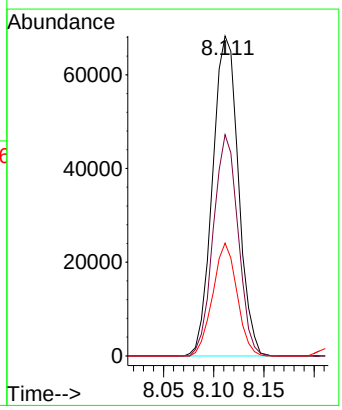
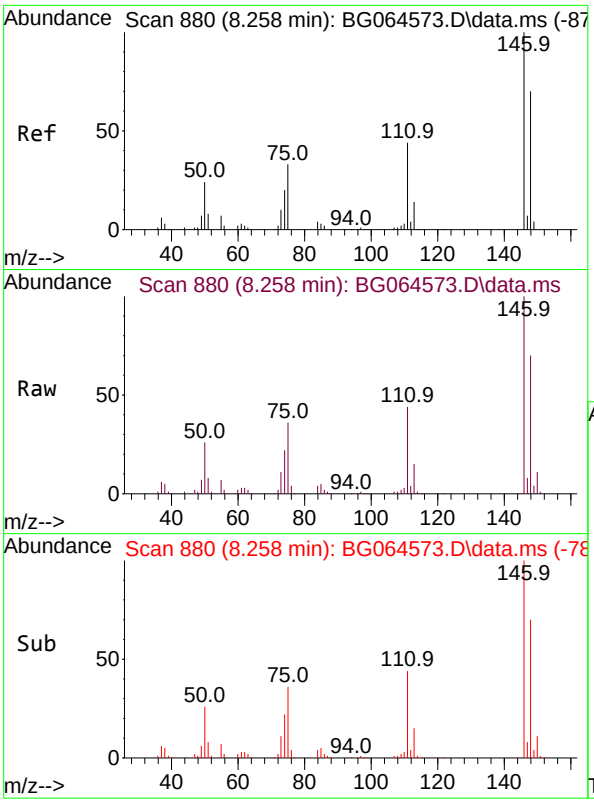


#12
1,3-Dichlorobenzene
Concen: 42.367 ng
RT: 8.111 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:146 Resp: 122224

Ion	Ratio	Lower	Upper
146	100		
148	69.1	55.3	82.9
75	35.2	28.2	42.2

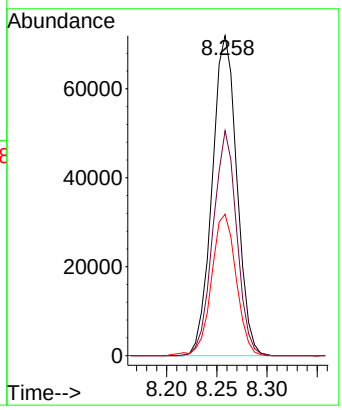




#13
1,4-Dichlorobenzene
Concen: 42.038 ng
RT: 8.258 min Scan# 88
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:146 Resp: 123314

Ion	Ratio	Lower	Upper
146	100		
148	70.3	56.2	84.4
111	44.2	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
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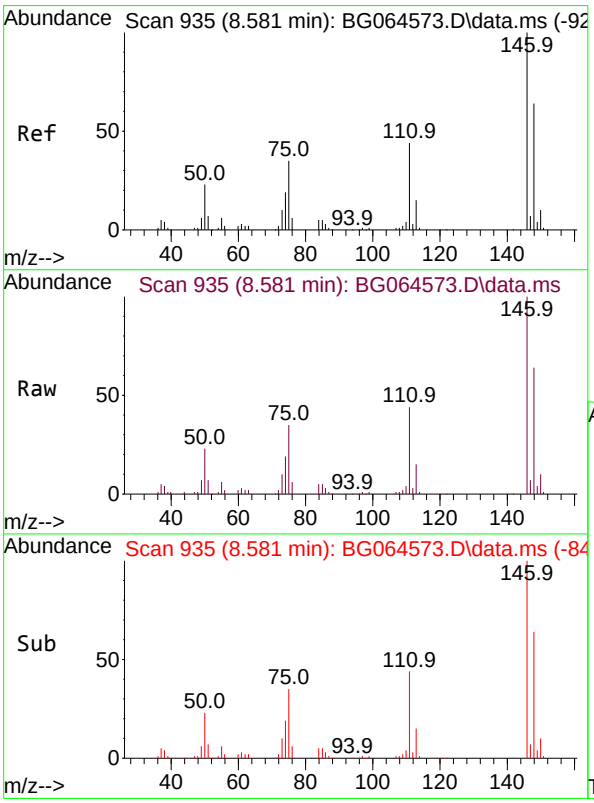
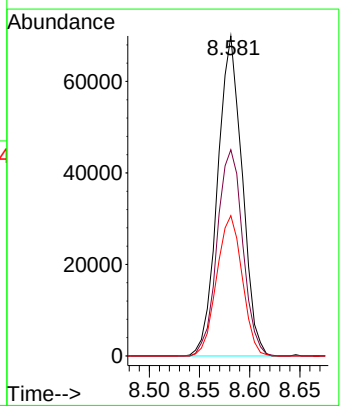
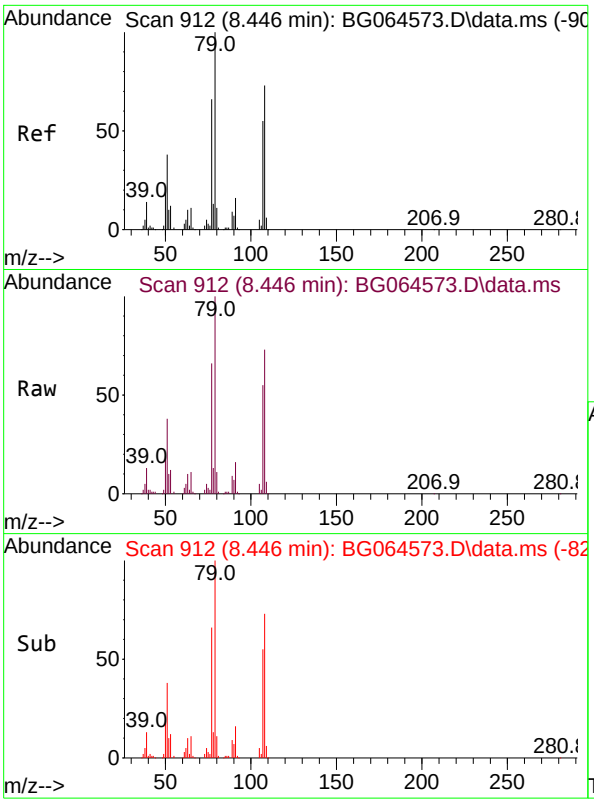


#14
1,2-Dichlorobenzene
Concen: 42.140 ng
RT: 8.581 min Scan# 935
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:146 Resp: 119228

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	43.8	35.0	52.6

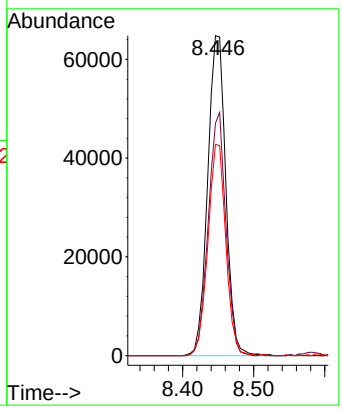




#15
Benzyl Alcohol
Concen: 42.265 ng
RT: 8.446 min Scan# 91
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 79 Resp: 11452

Ion	Ratio	Lower	Upper
79	100		
108	72.6	58.1	87.1
77	66.0	52.8	79.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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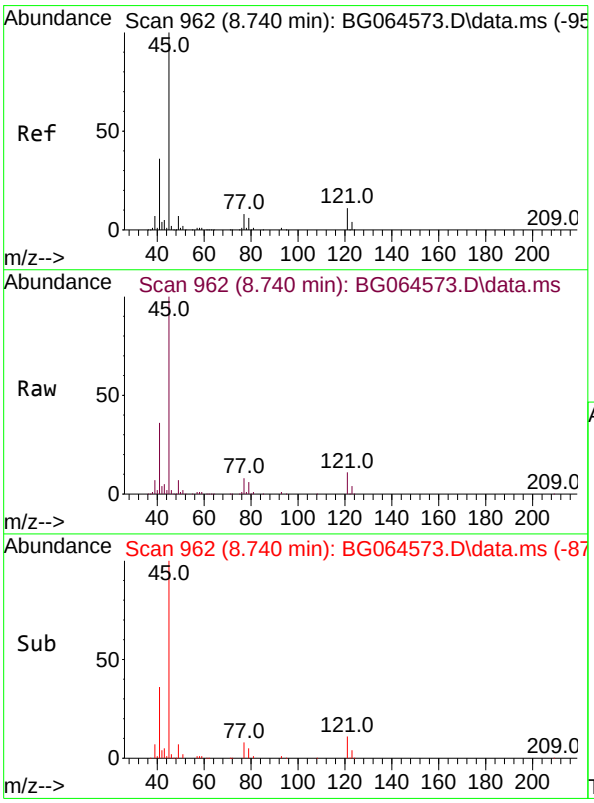
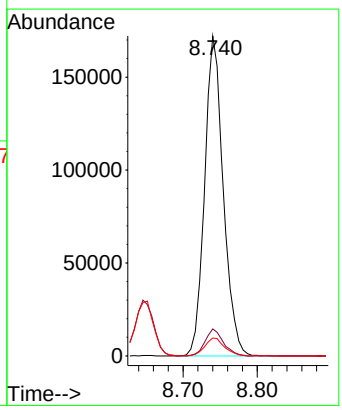
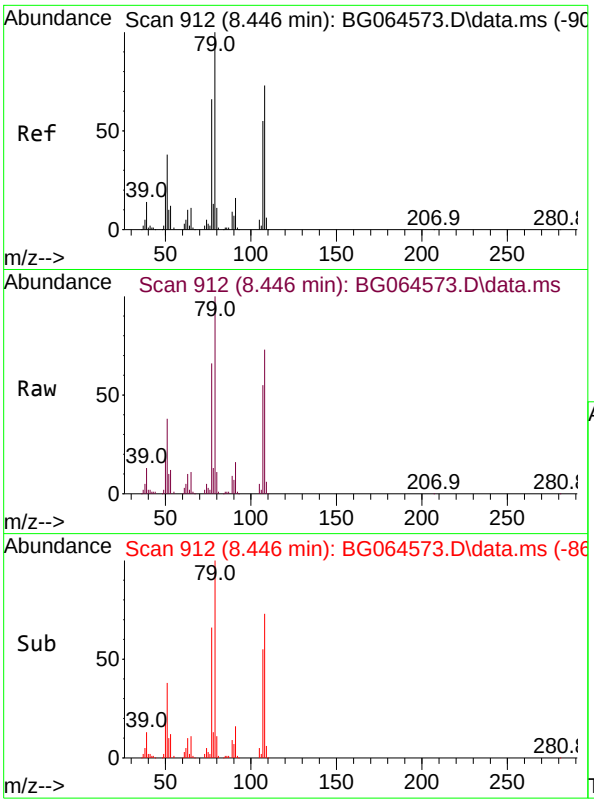


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.819 ng
RT: 8.740 min Scan# 962
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 45 Resp: 300095

Ion	Ratio	Lower	Upper
45	100		
77	8.5	0.0	28.5
79	5.6	0.0	25.6

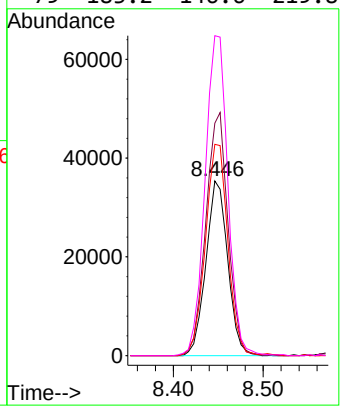




#17
2-Methylphenol
Concen: 44.231 ng
RT: 8.446 min Scan# 91
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:107 Resp: 5991

Ion	Ratio	Lower	Upper
107	100		
108	133.0	106.4	159.6
77	120.9	96.7	145.1
79	183.2	146.6	219.8



Instrument :
BNA_G
ClientSampleId :
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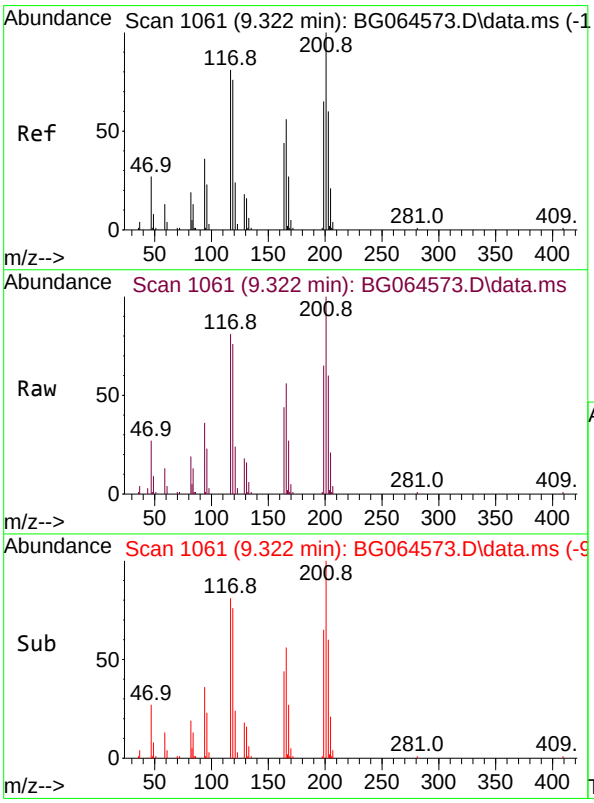
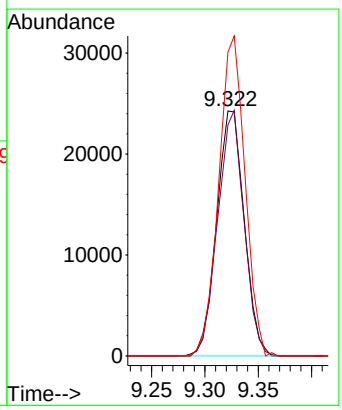
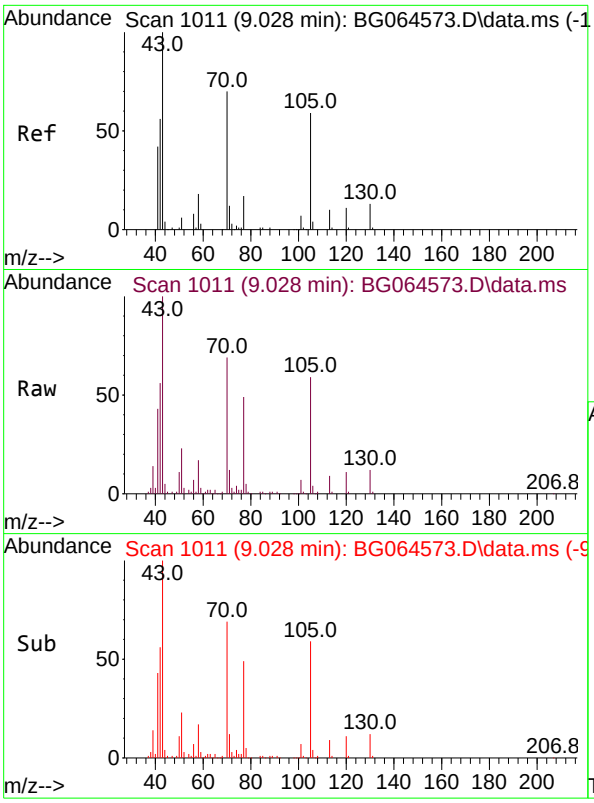


#18
Hexachloroethane
Concen: 42.246 ng
RT: 9.322 min Scan# 1061
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:117 Resp: 43488

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.4	113.2
201	124.0	99.2	148.8

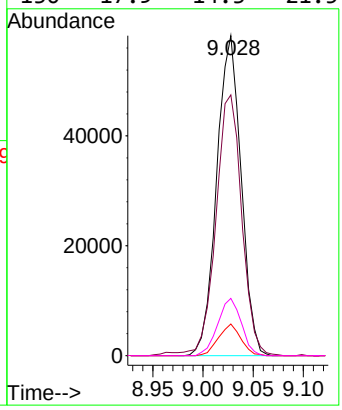




#19
n-Nitroso-di-n-propylamine
Concen: 43.438 ng
RT: 9.028 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 70 Resp: 9864

Ion	Ratio	Lower	Upper
70	100		
42	81.5	65.2	97.8
101	9.9	7.9	11.9
130	17.9	14.3	21.5



Instrument :
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ClientSampleId :
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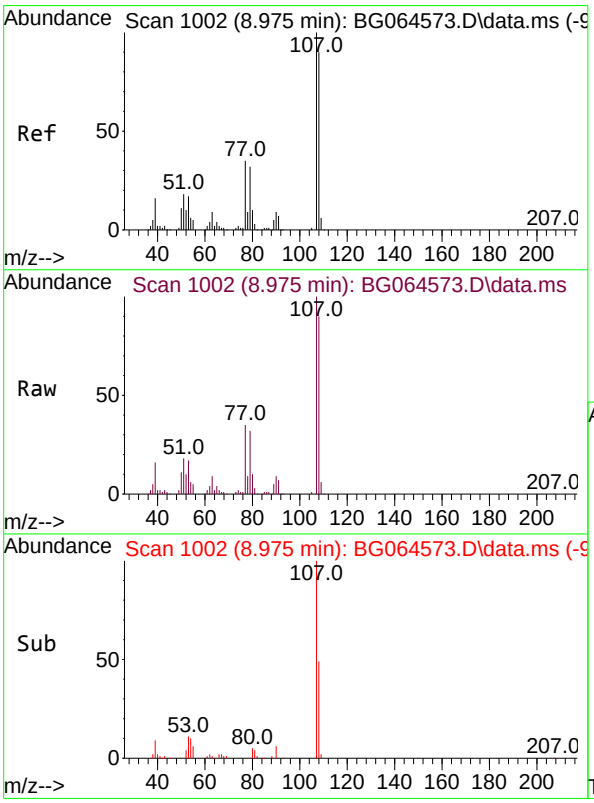
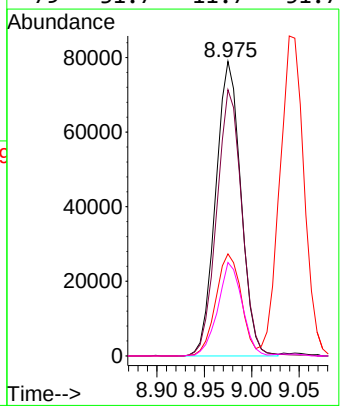
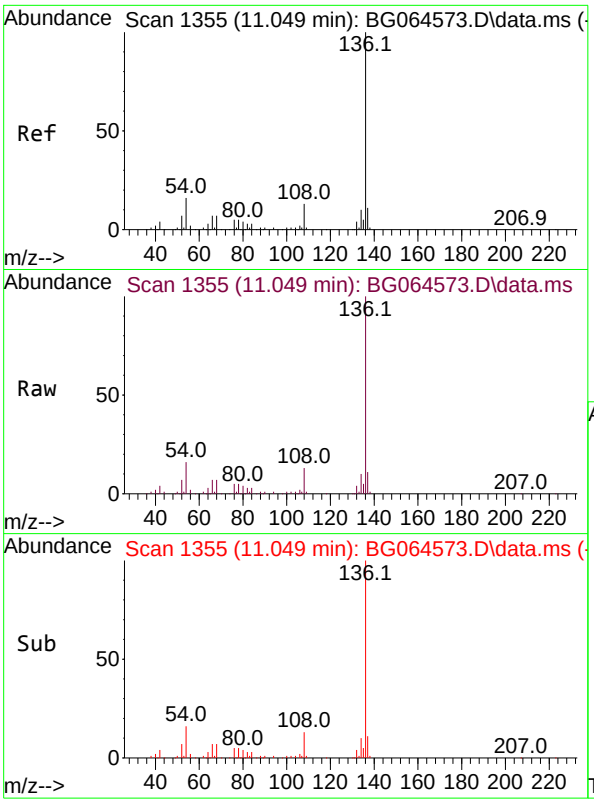


#20
3+4-Methylphenols
Concen: 43.080 ng
RT: 8.975 min Scan# 1002
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:107 Resp: 146177

Ion	Ratio	Lower	Upper
107	100		
108	90.3	70.3	110.3
77	34.6	14.6	54.6
79	31.7	11.7	51.7

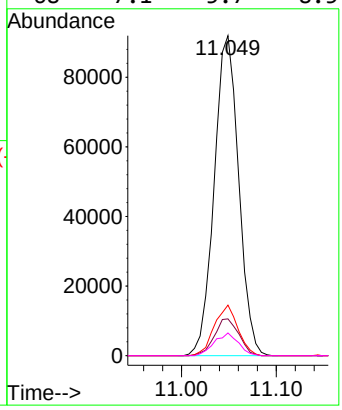




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:136 Resp: 16479

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	15.8	12.6	19.0
68	7.1	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
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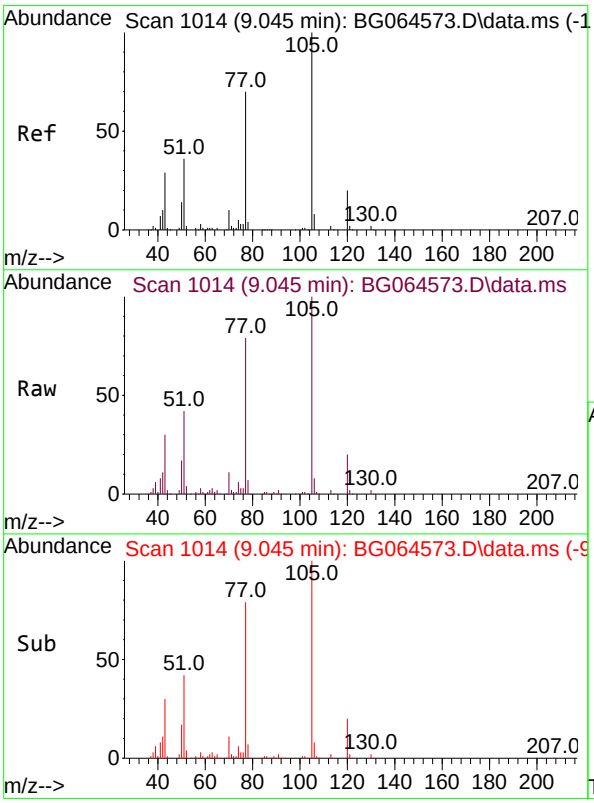
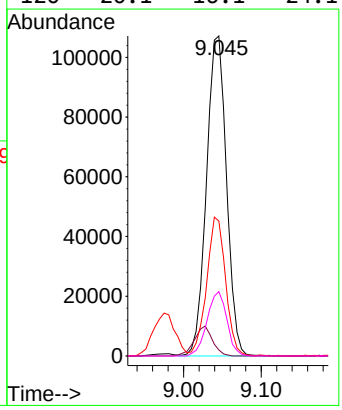
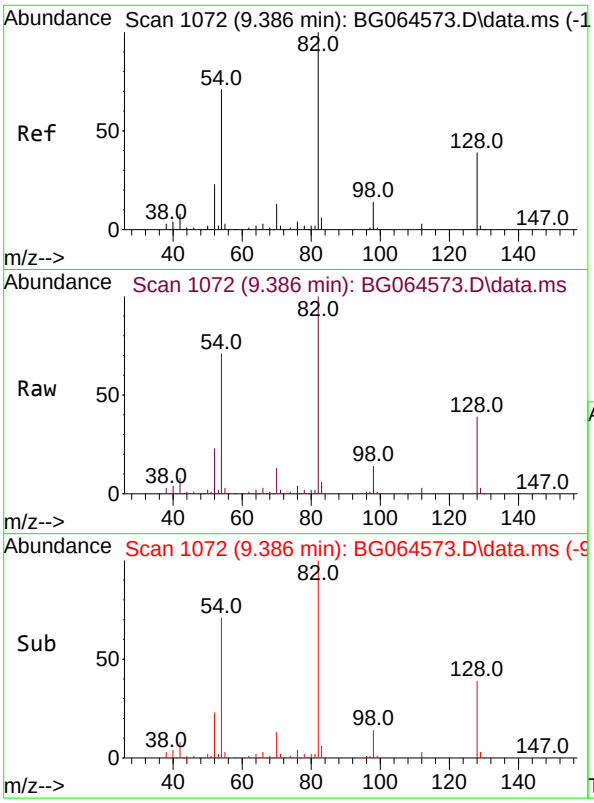


#22
Acetophenone
Concen: 42.750 ng
RT: 9.045 min Scan# 1014
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:105 Resp: 192583

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.5	2.3
51	42.1	33.7	50.5
120	20.1	16.1	24.1

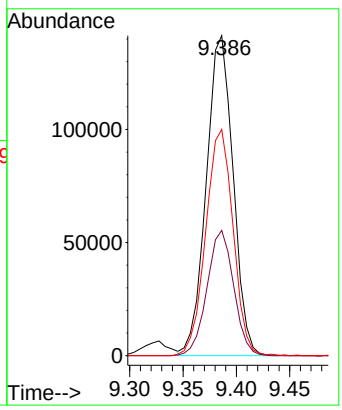




#23
Nitrobenzene-d5
Concen: 90.513 ng
RT: 9.386 min Scan# 10
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 82 Resp: 248341

Ion	Ratio	Lower	Upper
82	100		
128	39.1	31.3	46.9
54	70.7	56.6	84.8



Instrument :
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ClientSampleId :
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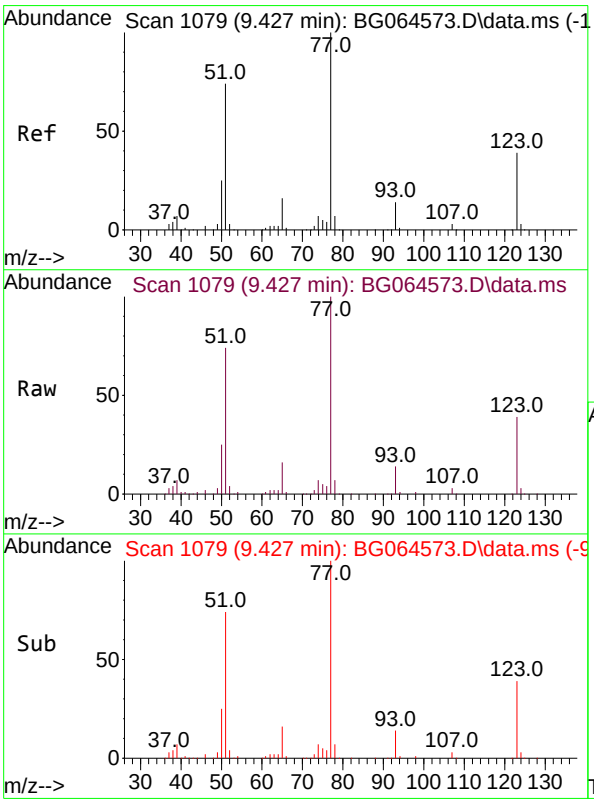
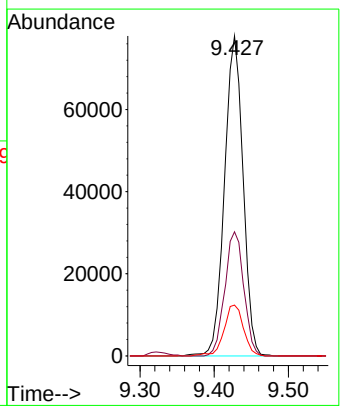
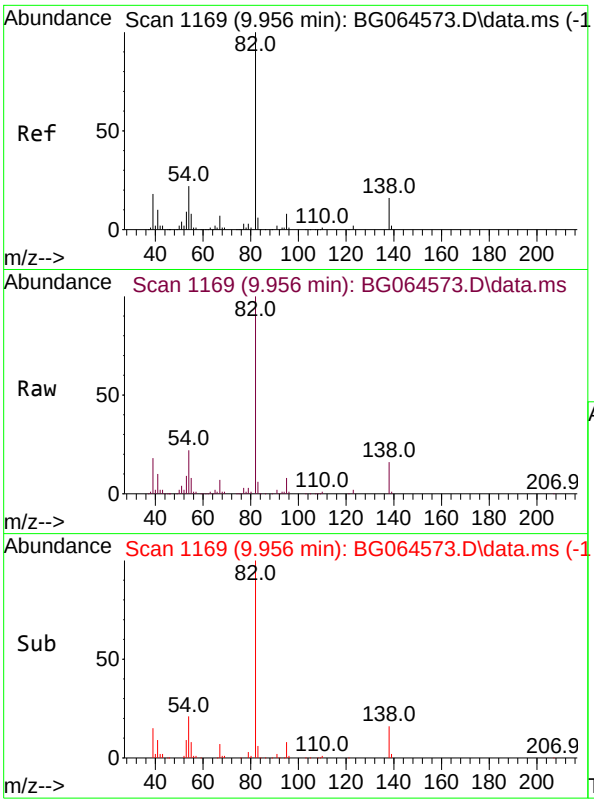


#24
Nitrobenzene
Concen: 45.274 ng
RT: 9.427 min Scan# 1079
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 77 Resp: 135107

Ion	Ratio	Lower	Upper
77	100		
123	38.8	31.0	46.6
65	15.9	12.7	19.1

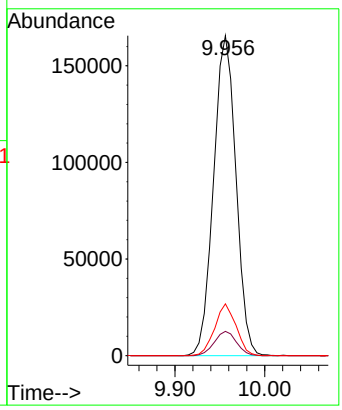




#25
Isophorone
Concen: 43.507 ng
RT: 9.956 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 82 Resp: 28643

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.1	9.1
138	16.2	13.0	19.4



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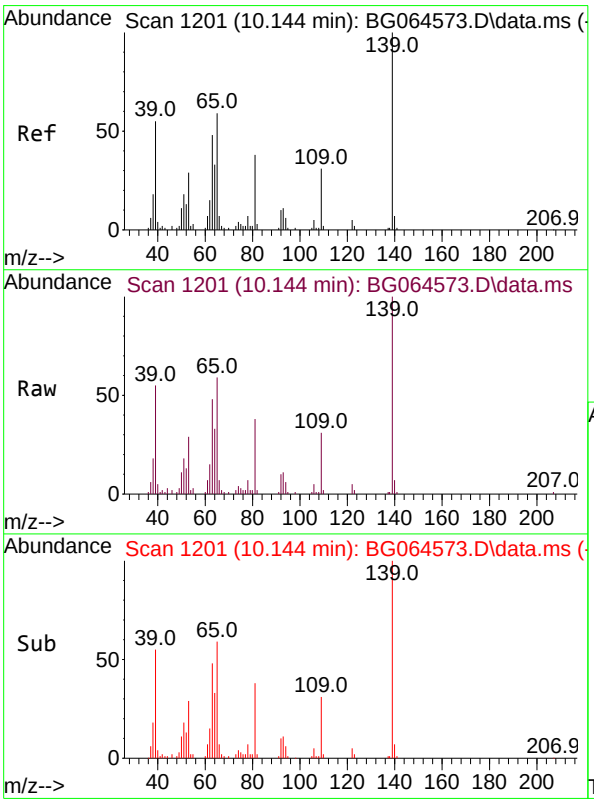
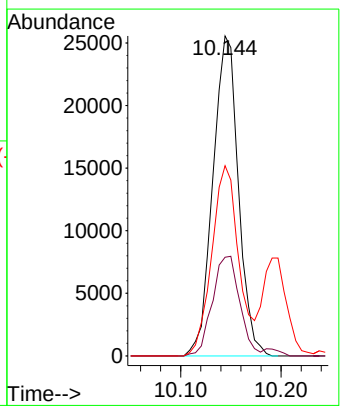
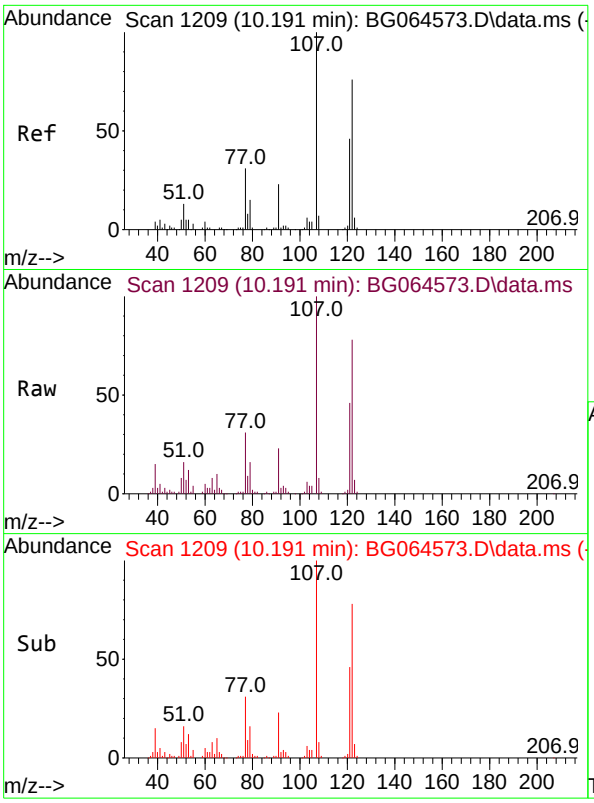


#26
2-Nitrophenol
Concen: 39.772 ng
RT: 10.144 min Scan# 1201
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:139 Resp: 45134

Ion	Ratio	Lower	Upper
139	100		
109	30.8	24.6	37.0
65	59.4	47.5	71.3

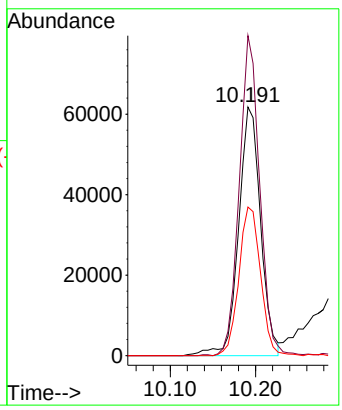




#27
2,4-Dimethylphenol
Concen: 44.243 ng
RT: 10.191 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:122 Resp: 11051

Ion	Ratio	Lower	Upper
122	100		
107	128.7	103.0	154.4
121	59.8	47.8	71.8



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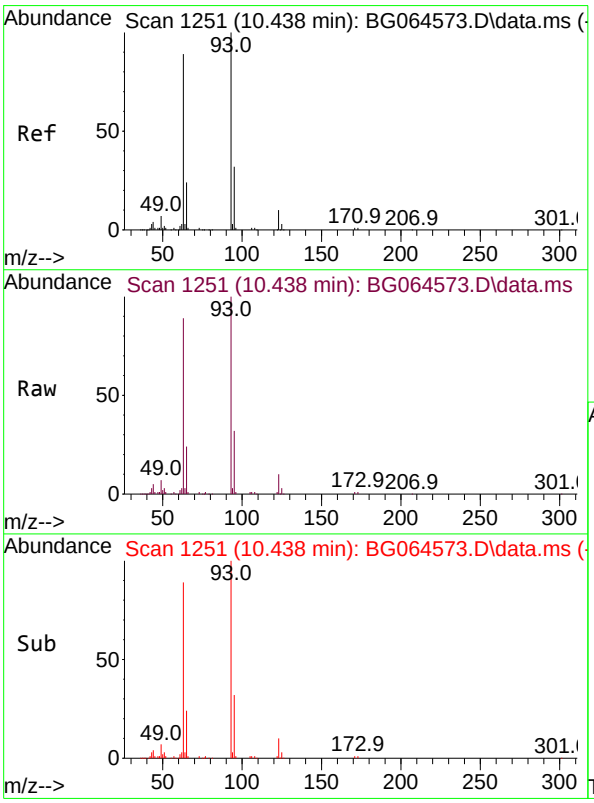
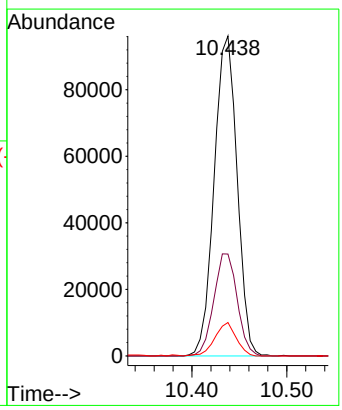
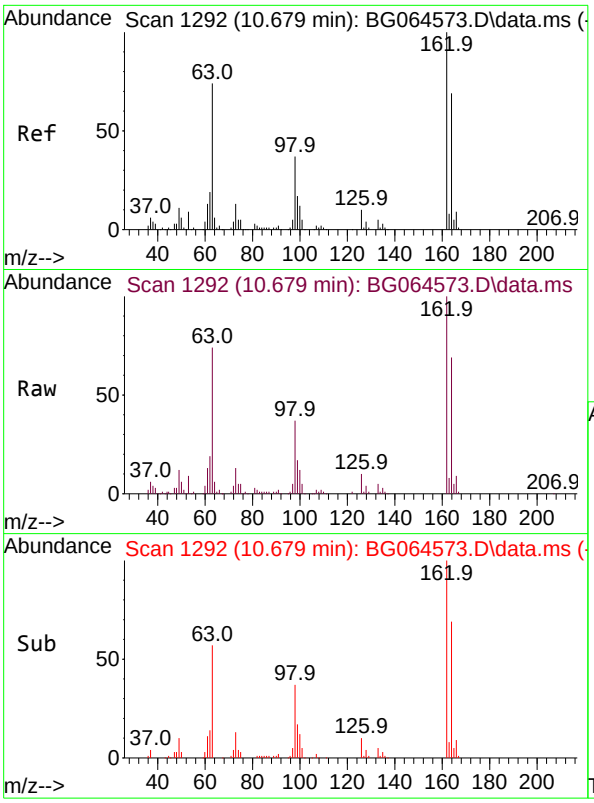


#28
bis(2-Chloroethoxy)methane
Concen: 43.070 ng
RT: 10.438 min Scan# 1251
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 93 Resp: 161449

Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.4	38.2
123	10.5	8.4	12.6

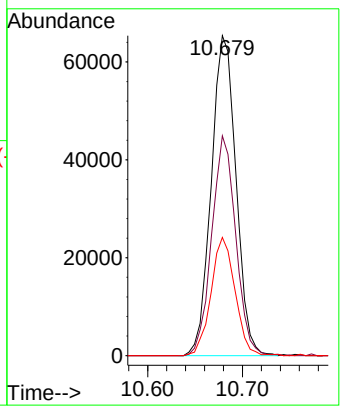




#29
2,4-Dichlorophenol
Concen: 45.026 ng
RT: 10.679 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:162 Resp: 11866

Ion	Ratio	Lower	Upper
162	100		
164	68.7	48.7	88.7
98	36.9	16.9	56.9



Instrument :
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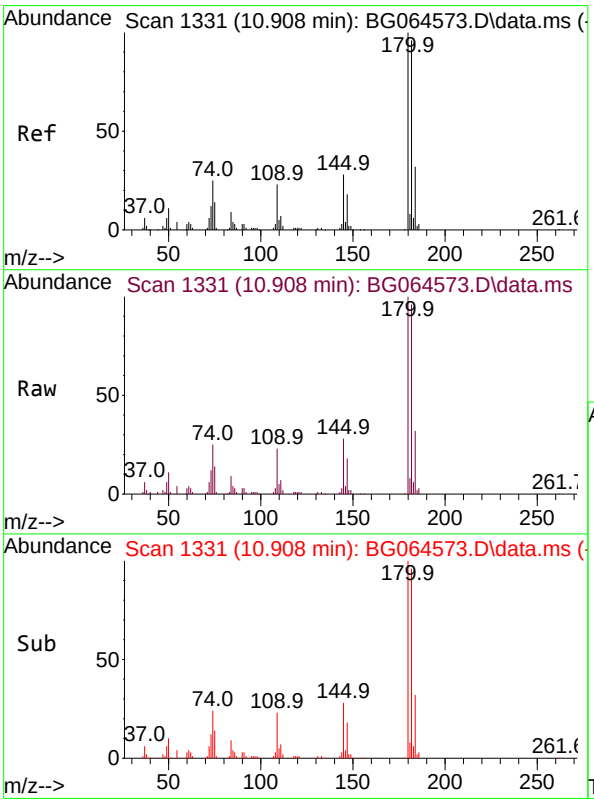
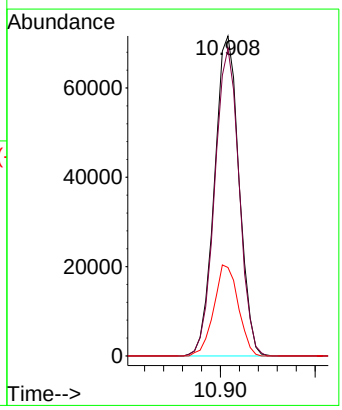
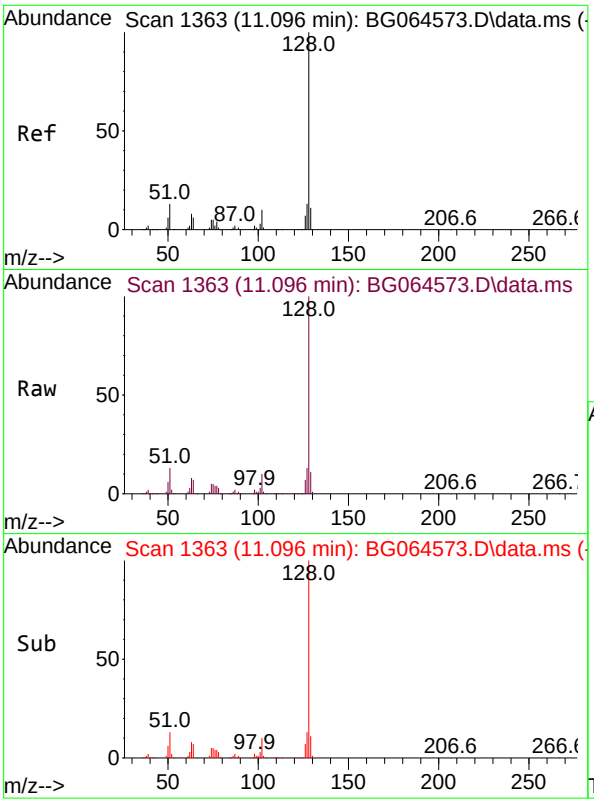


#30
1,2,4-Trichlorobenzene
Concen: 43.046 ng
RT: 10.908 min Scan# 1331
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:180 Resp: 128902

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
145	27.6	22.1	33.1

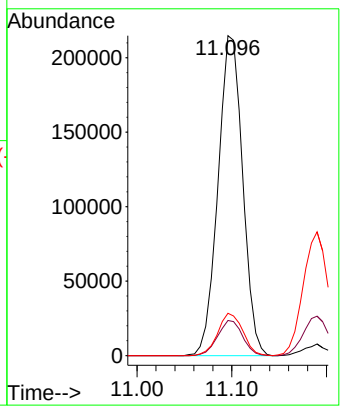




#31
Naphthalene
Concen: 42.469 ng
RT: 11.096 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:128 Resp: 38803

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.2	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
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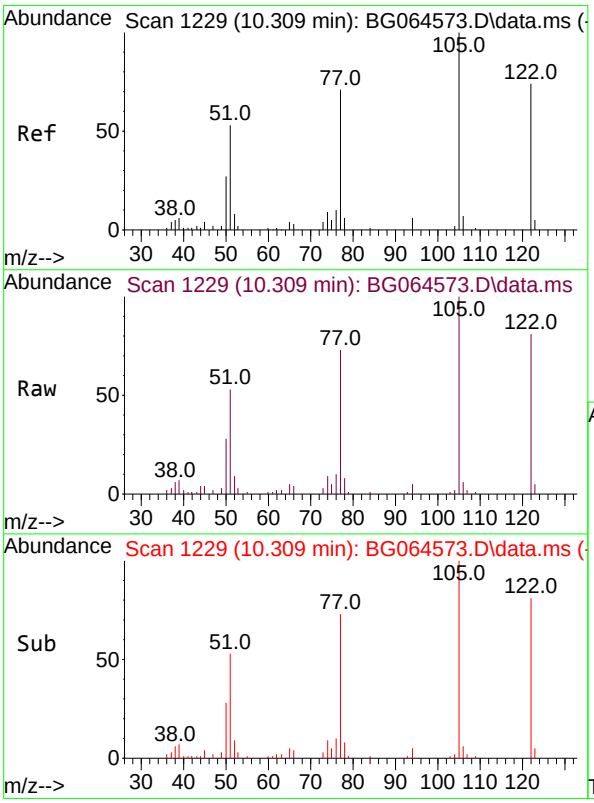
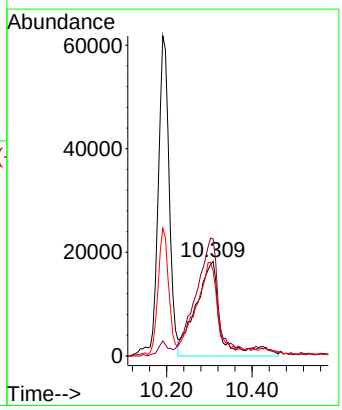
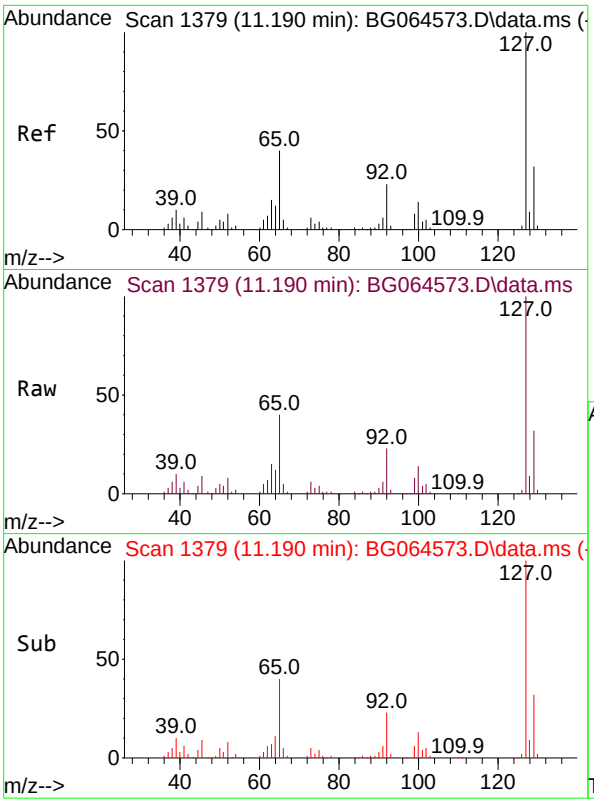


#32
Benzoic acid
Concen: 41.457 ng m
RT: 10.309 min Scan# 1229
Delta R.T. -0.033 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:122 Resp: 72661

Ion	Ratio	Lower	Upper
122	100		
105	124.2	104.2	144.2
77	90.2	70.2	110.2

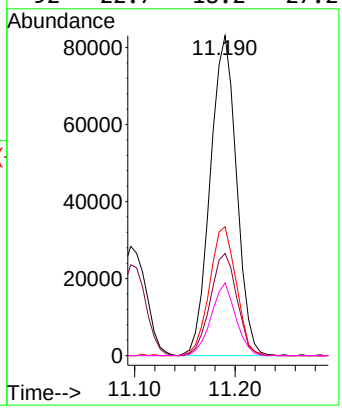




#33
4-Chloroaniline
Concen: 42.585 ng
RT: 11.190 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:127 Resp: 15123

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.5	38.3
65	40.3	32.2	48.4
92	22.7	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
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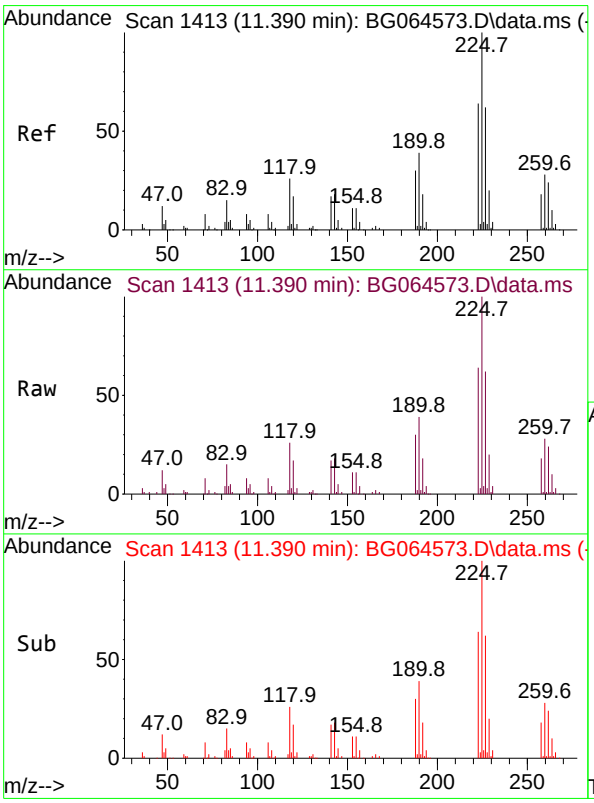
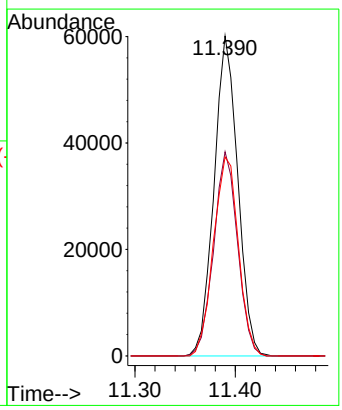
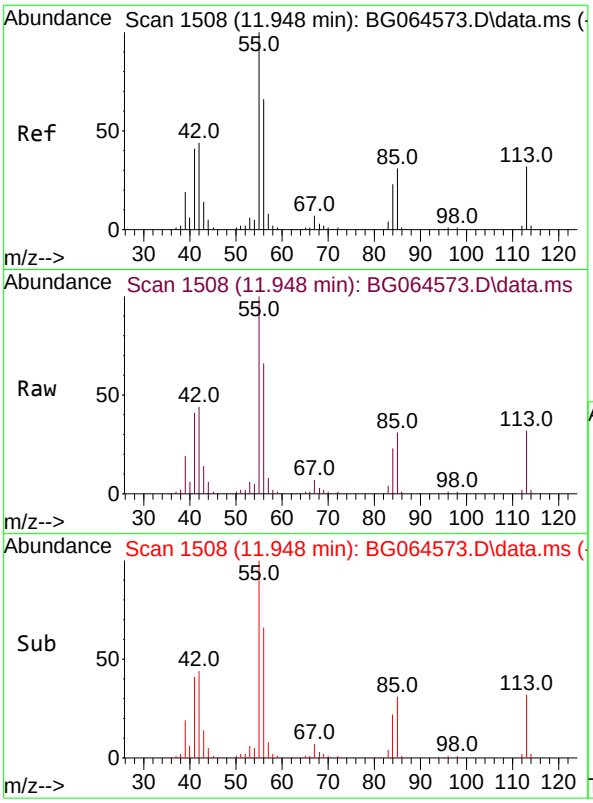


#34
Hexachlorobutadiene
Concen: 42.139 ng
RT: 11.390 min Scan# 1413
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:225 Resp: 98683

Ion	Ratio	Lower	Upper
225	100		
223	61.0	48.8	73.2
227	61.9	49.5	74.3

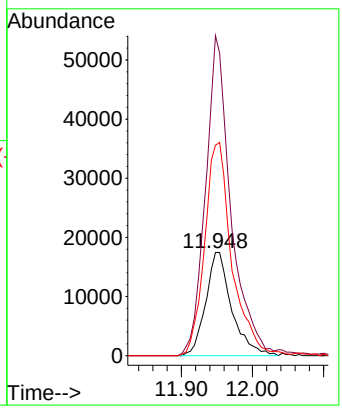




#35
Caprolactam
Concen: 43.731 ng
RT: 11.948 min Scan# 1
Delta R.T. -0.027 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:113 Resp: 4420

Ion	Ratio	Lower	Upper
113	100		
55	310.1	290.1	330.1
56	203.8	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
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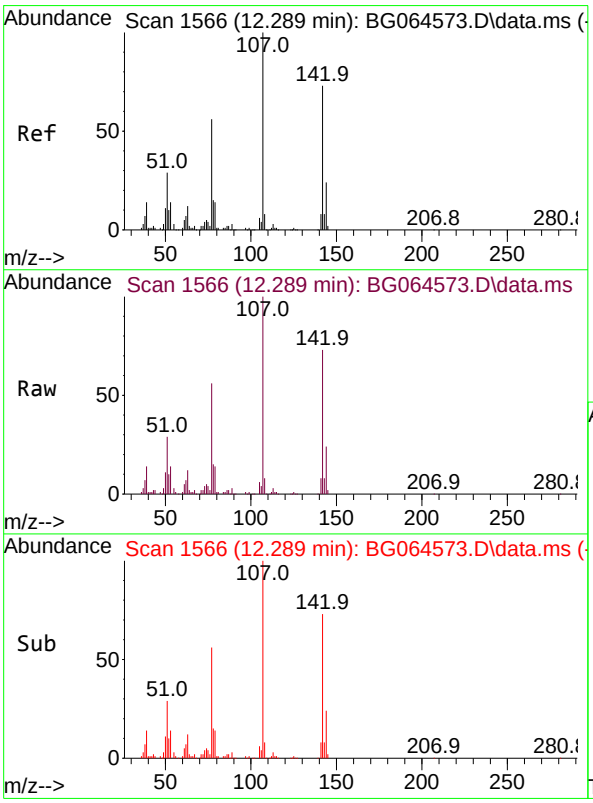
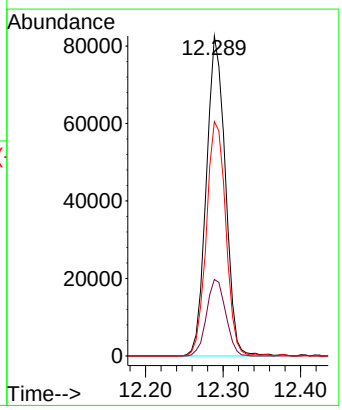
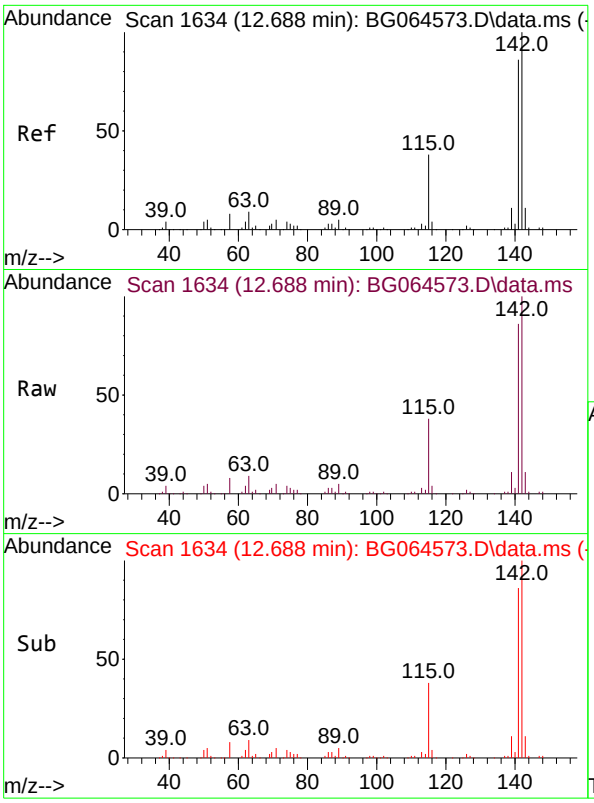


#36
4-Chloro-3-methylphenol
Concen: 44.278 ng
RT: 12.289 min Scan# 1566
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:107 Resp: 140272

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.1	28.7
142	73.2	58.6	87.8

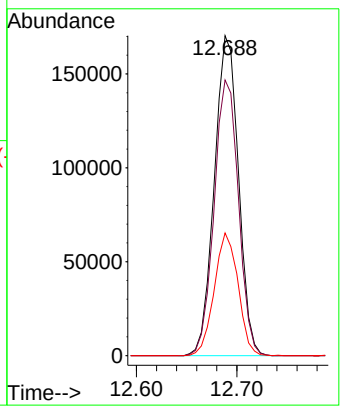




#37
2-Methylnaphthalene
Concen: 42.499 ng
RT: 12.688 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:142 Resp: 28508

Ion	Ratio	Lower	Upper
142	100		
141	86.1	68.9	103.3
115	38.3	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
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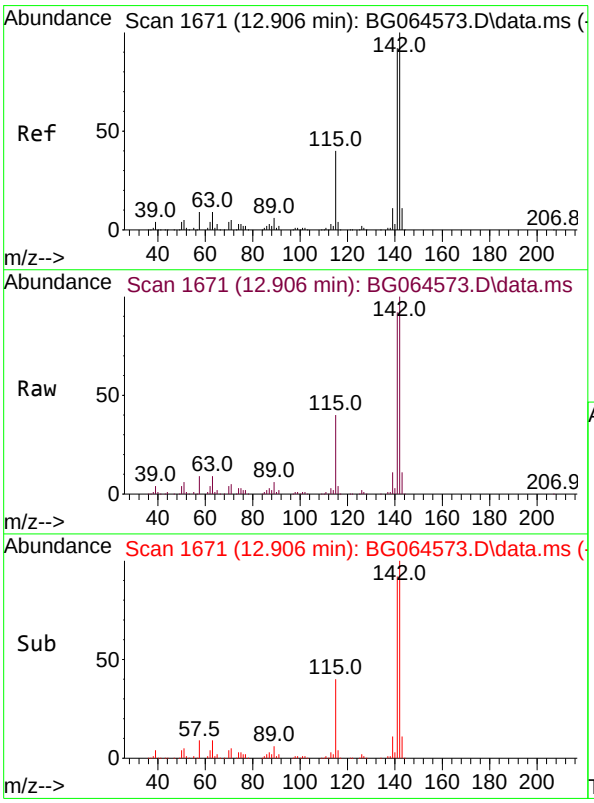
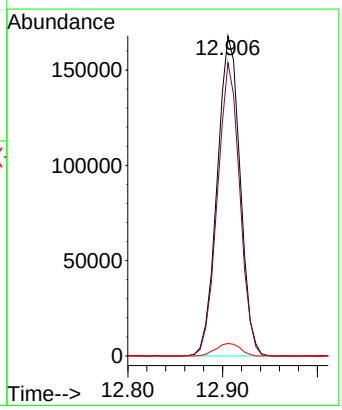
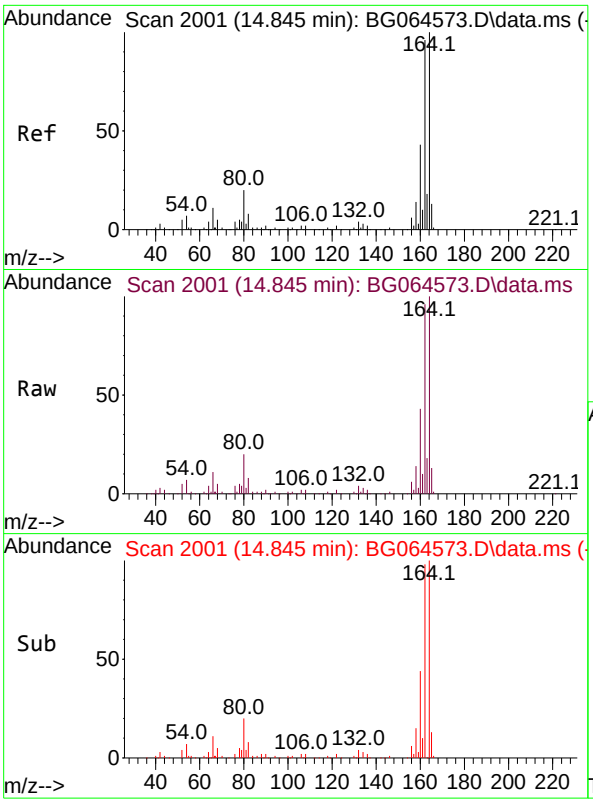


#38
1-Methylnaphthalene
Concen: 42.611 ng
RT: 12.906 min Scan# 1671
Delta R.T. -0.003 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:142 Resp: 281256

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.3	109.9
116	3.9	3.1	4.7

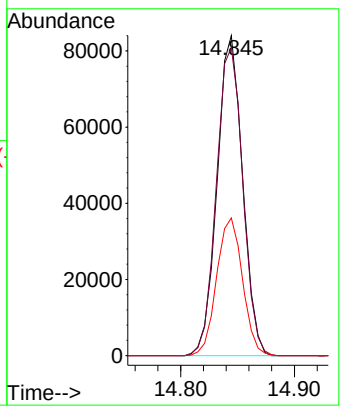




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:164 Resp: 13054

Ion	Ratio	Lower	Upper
164	100		
162	96.3	77.0	115.6
160	43.0	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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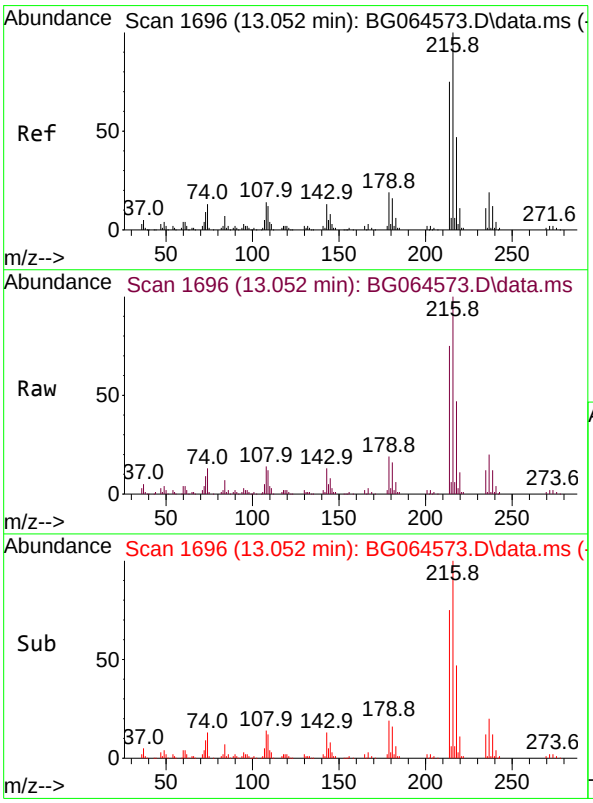
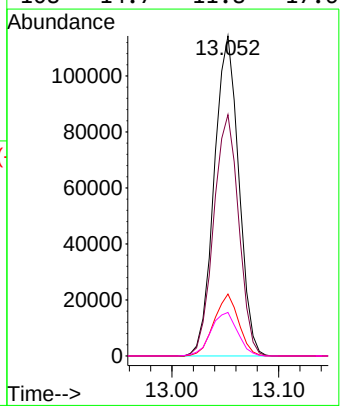
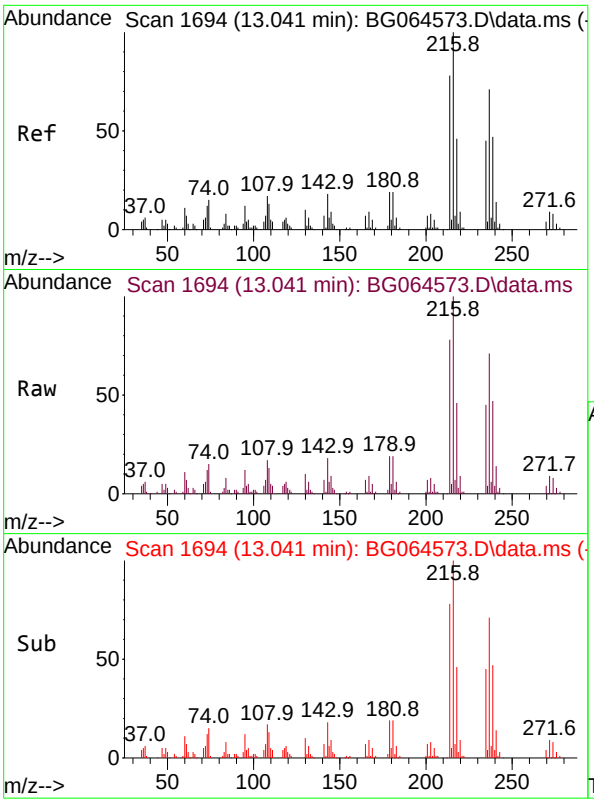


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.856 ng
RT: 13.052 min Scan# 1696
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:216 Resp: 183376

Ion	Ratio	Lower	Upper
216	100		
214	76.8	61.4	92.2
179	19.2	15.4	23.0
108	14.7	11.8	17.6

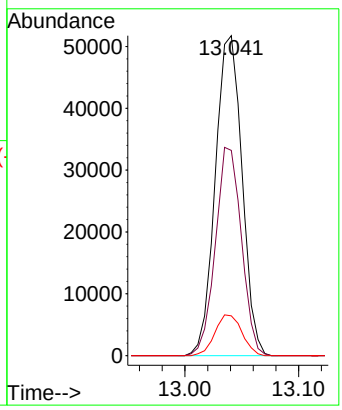




#41
Hexachlorocyclopentadiene
Concen: 42.853 ng
RT: 13.041 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:237 Resp: 8450

Ion	Ratio	Lower	Upper
237	100		
235	64.1	44.1	84.1
272	12.4	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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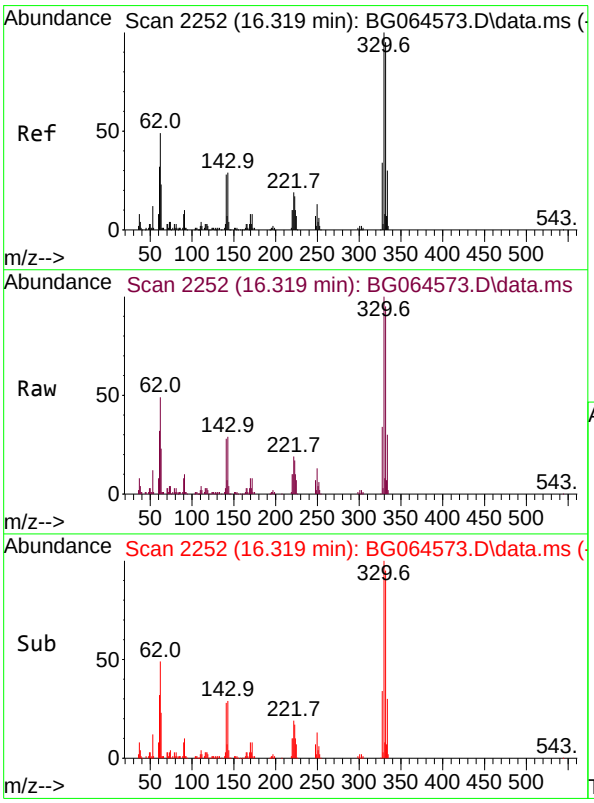
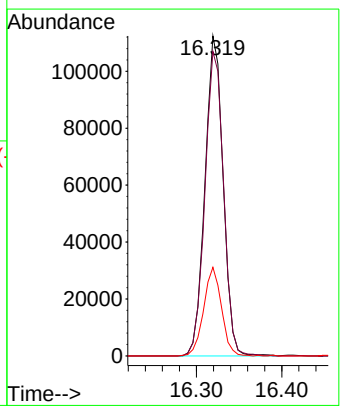
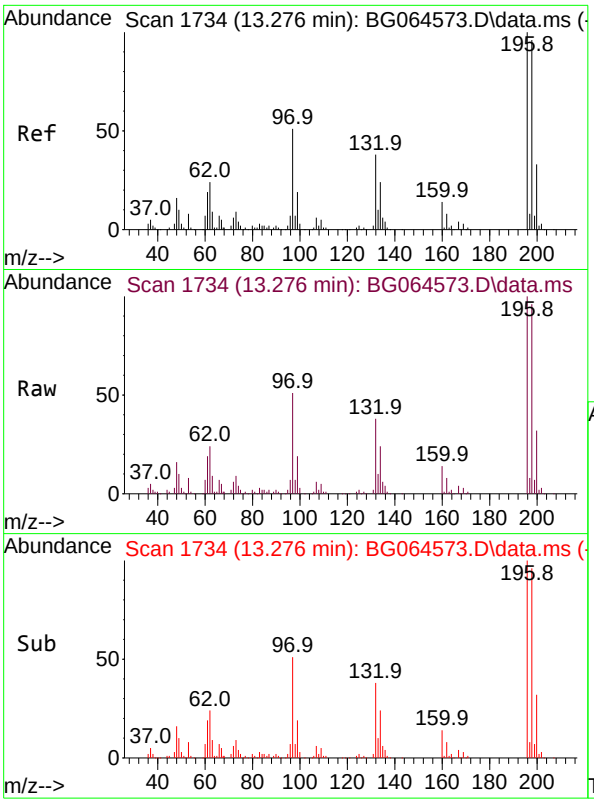


#42
2,4,6-Tribromophenol
Concen: 88.092 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:330 Resp: 165976

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	27.2	21.8	32.6





#43
2,4,6-Trichlorophenol
Concen: 44.097 ng
RT: 13.276 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:196 Resp: 11050

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.6	115.0
200	32.5	26.0	39.0

Instrument :
BNA_G
ClientSampleId :
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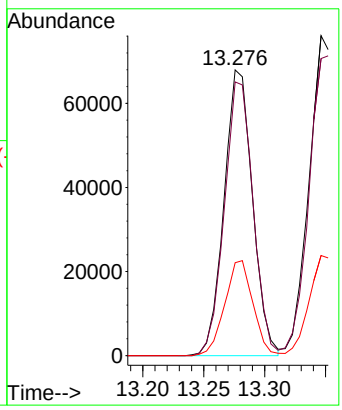
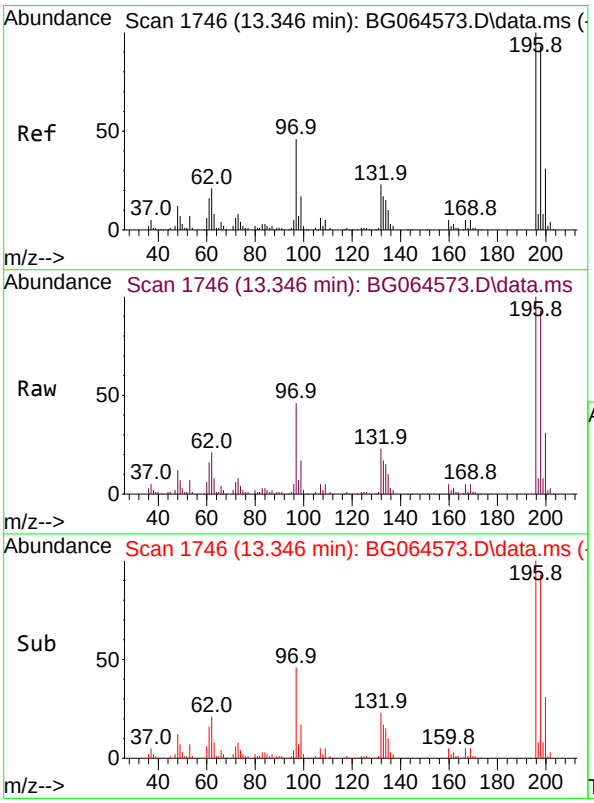
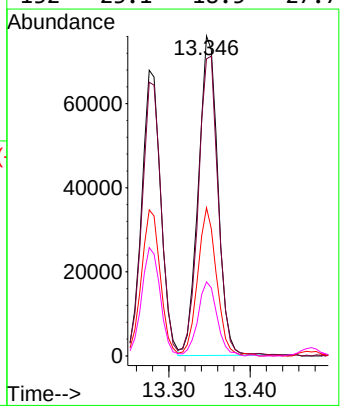


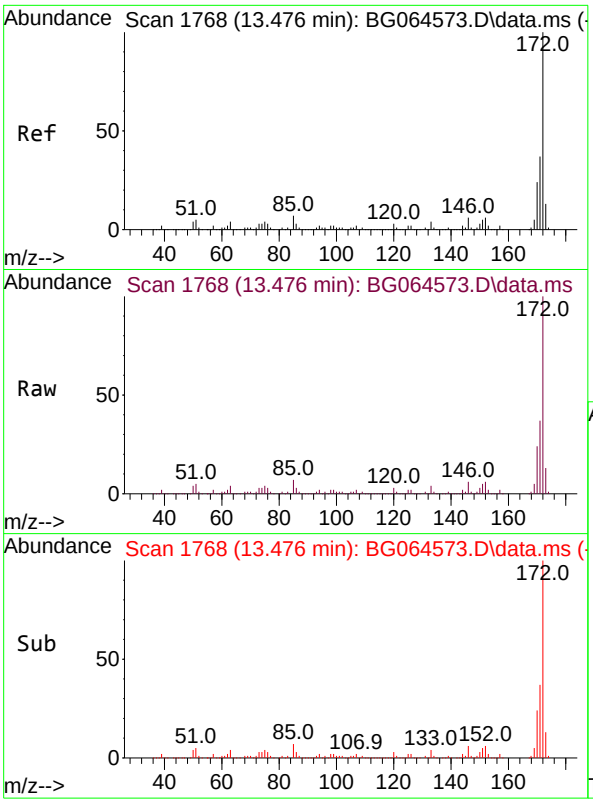


#44
2,4,5-Trichlorophenol
Concen: 43.694 ng
RT: 13.346 min Scan# 1746
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:196 Resp: 126360

Ion	Ratio	Lower	Upper
196	100		
198	92.8	74.2	111.4
97	46.3	37.0	55.6
132	23.1	18.5	27.7

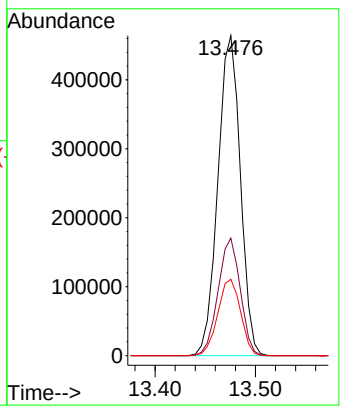




#45
2-Fluorobiphenyl
Concen: 83.888 ng
RT: 13.476 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:172 Resp: 72247

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	23.9	19.1	28.7



Instrument :
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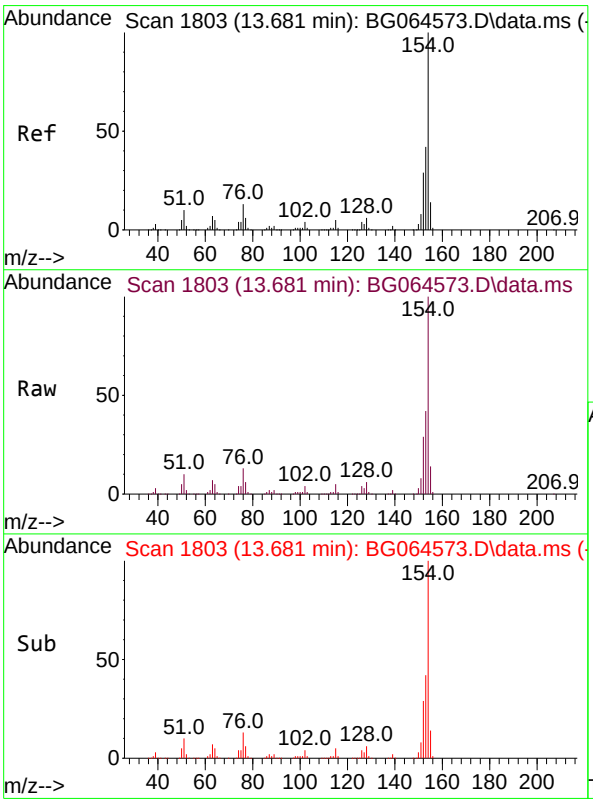
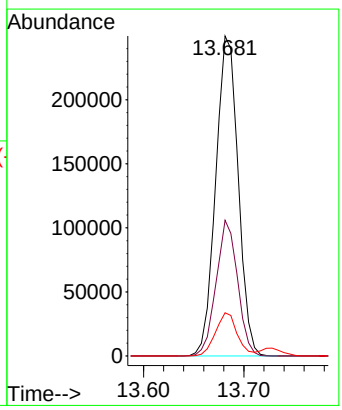
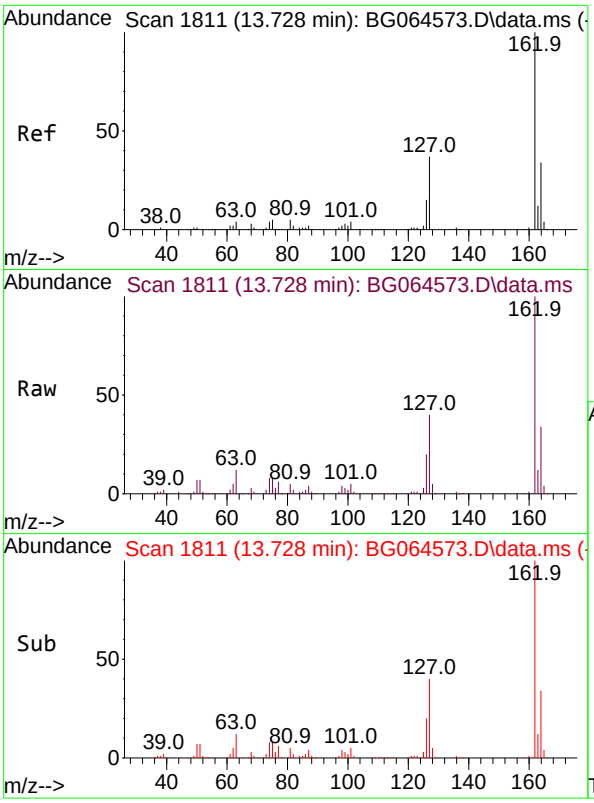


#46
1,1'-Biphenyl
Concen: 41.885 ng
RT: 13.681 min Scan# 1803
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:154 Resp: 388718

Ion	Ratio	Lower	Upper
154	100		
153	42.4	22.4	62.4
76	13.5	0.0	33.5

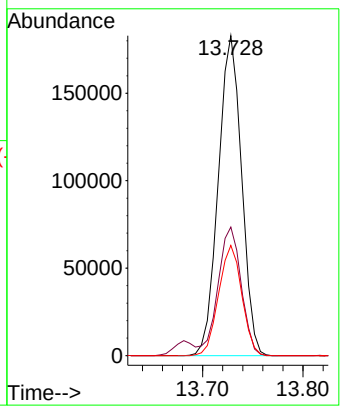




#47
2-Chloronaphthalene
Concen: 42.182 ng
RT: 13.728 min Scan# 18
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:162 Resp: 29550

Ion	Ratio	Lower	Upper
162	100		
127	40.2	32.2	48.2
164	34.4	27.5	41.3



Instrument :
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ClientSampleId :
SSTDICCC040

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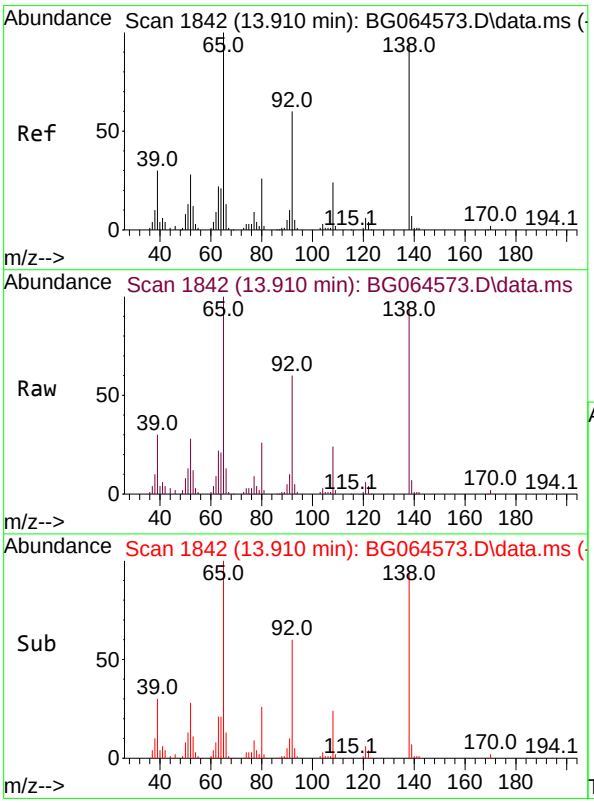
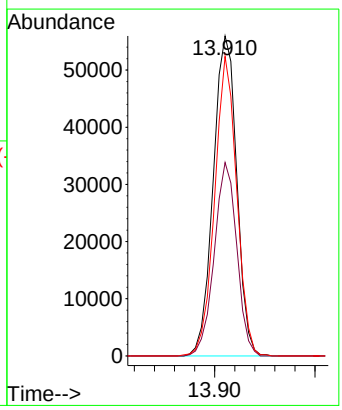
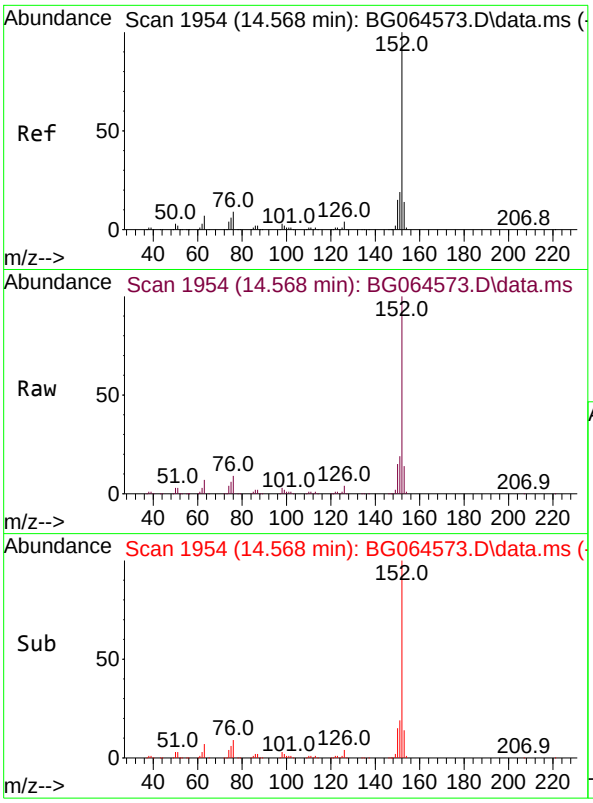


#48
2-Nitroaniline
Concen: 39.303 ng
RT: 13.910 min Scan# 1842
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 65 Resp: 90958

Ion	Ratio	Lower	Upper
65	100		
92	60.4	48.3	72.5
138	93.6	74.9	112.3





#49
Acenaphthylene
Concen: 42.209 ng
RT: 14.568 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:152 Resp: 46639

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	13.7	11.0	16.4

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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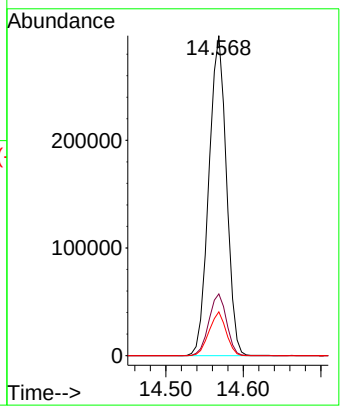
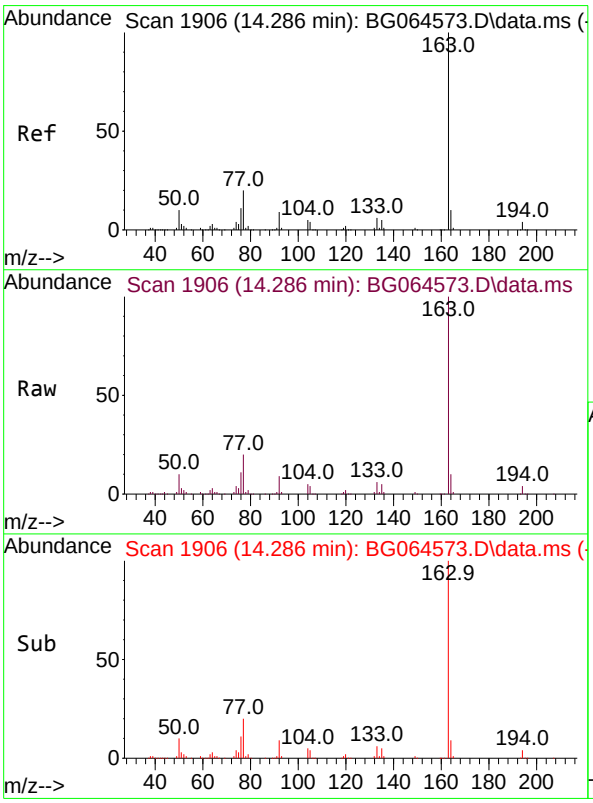
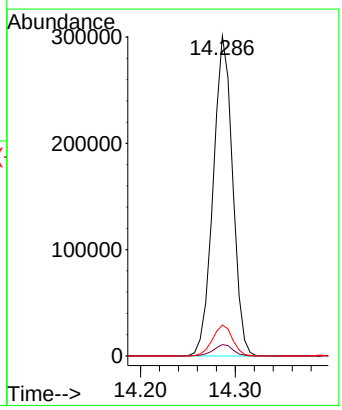


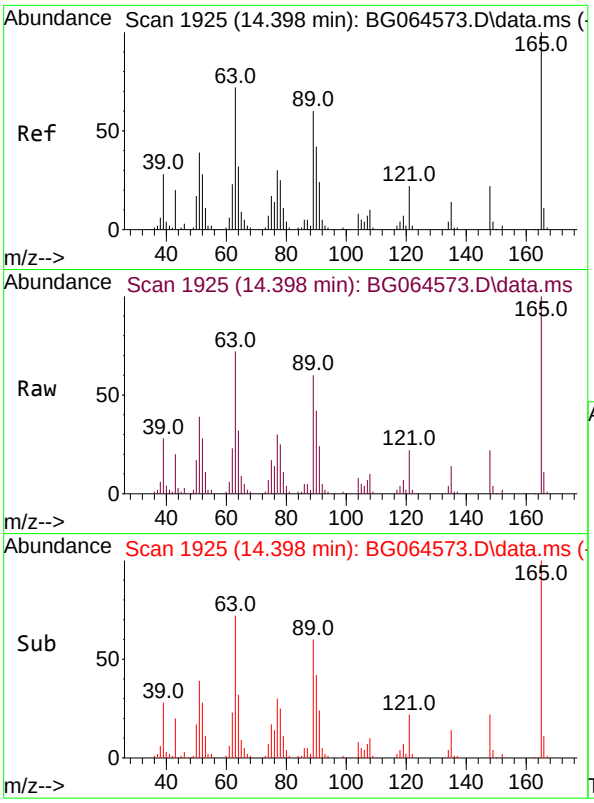


#50
Dimethylphthalate
Concen: 42.894 ng
RT: 14.286 min Scan# 1906
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:163 Resp: 428475

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	9.6	7.7	11.5





#51
2,6-Dinitrotoluene
Concen: 39.696 ng
RT: 14.398 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:165 Resp: 6445

Ion	Ratio	Lower	Upper
165	100		
63	71.7	57.4	86.0
89	59.8	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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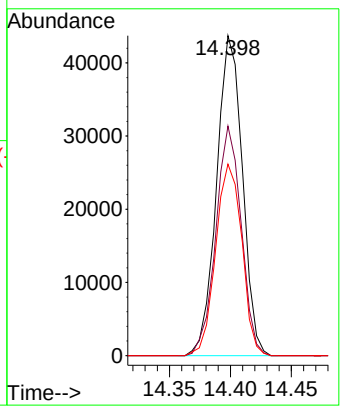
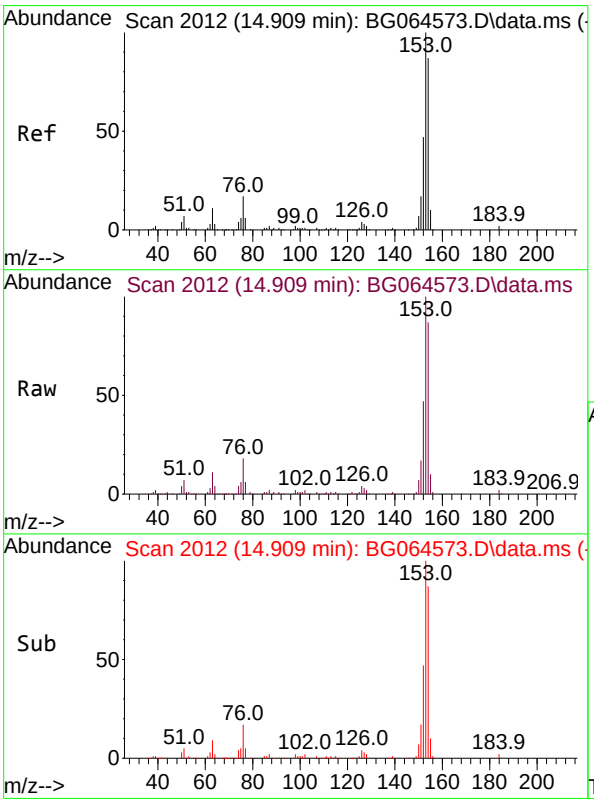
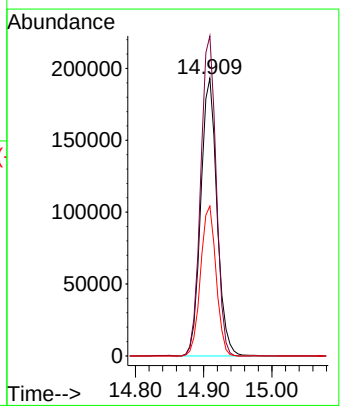


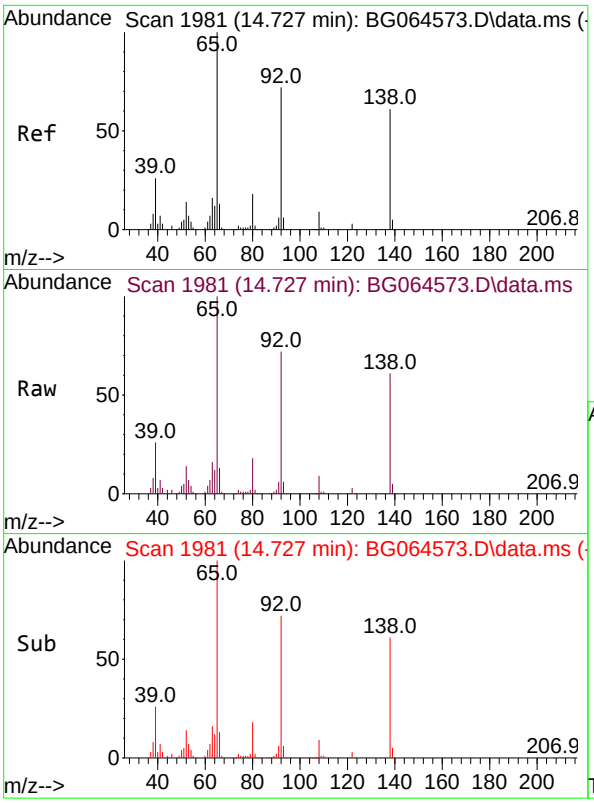


#52
Acenaphthene
Concen: 42.289 ng
RT: 14.909 min Scan# 2012
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:154 Resp: 319250

Ion	Ratio	Lower	Upper
154	100		
153	115.3	92.2	138.4
152	54.0	43.2	64.8





#53
3-Nitroaniline
Concen: 44.762 ng
RT: 14.727 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:138 Resp: 7684

Ion	Ratio	Lower	Upper
138	100		
108	14.2	11.4	17.0
92	119.1	95.3	142.9

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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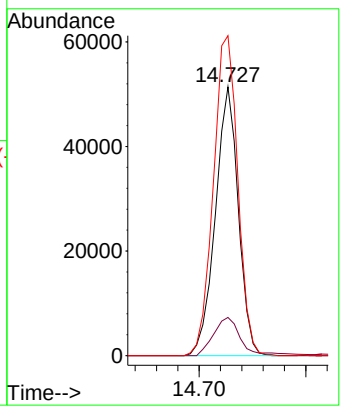
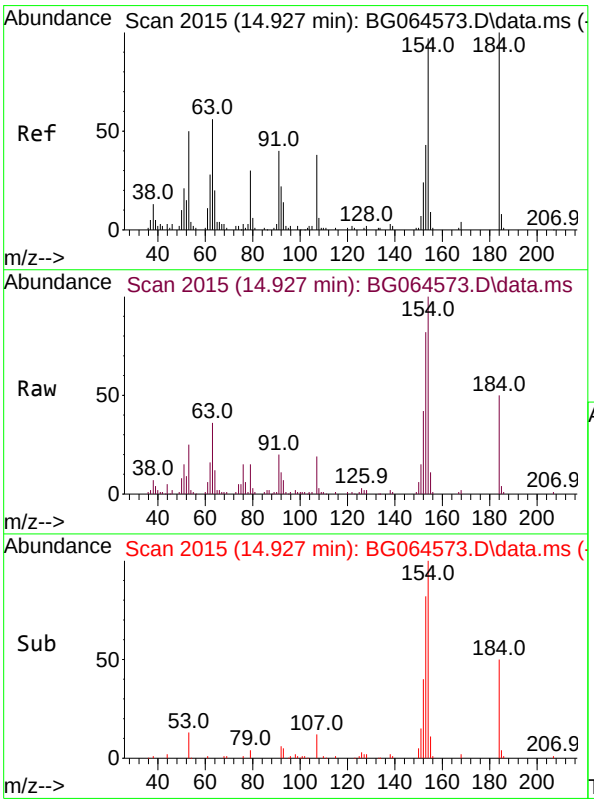
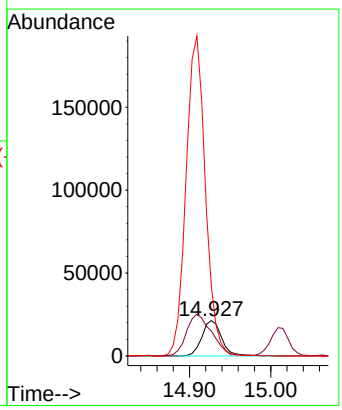


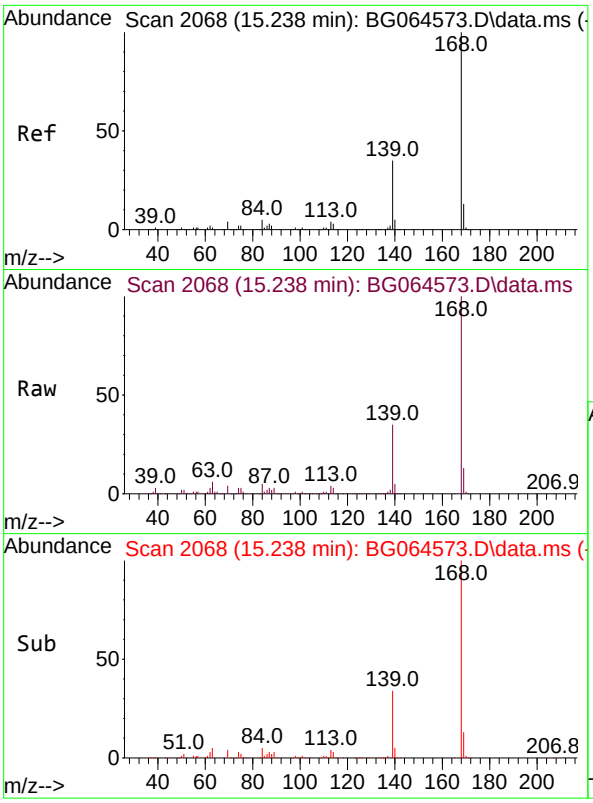


#54
2,4-Dinitrophenol
Concen: 38.390 ng
RT: 14.927 min Scan# 2015
Delta R.T. -0.003 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:184 Resp: 35677

Ion	Ratio	Lower	Upper
184	100		
63	70.8	56.6	85.0
154	198.3	158.6	238.0

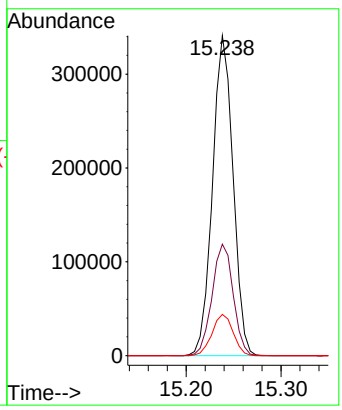




#55
Dibenzofuran
Concen: 41.995 ng
RT: 15.238 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:168 Resp: 51254

Ion	Ratio	Lower	Upper
168	100		
139	34.8	27.8	41.8
169	12.9	10.3	15.5



Instrument :
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ClientSampleId :
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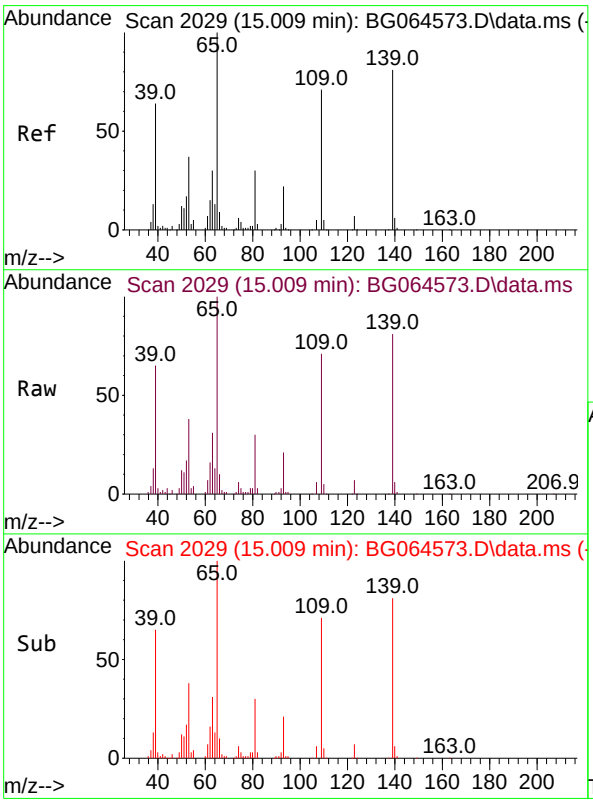
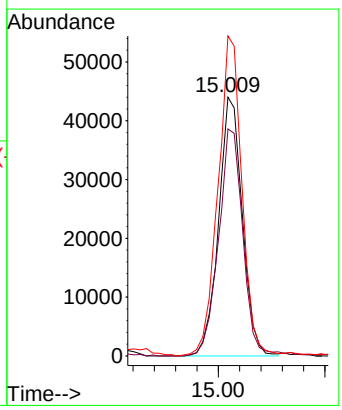
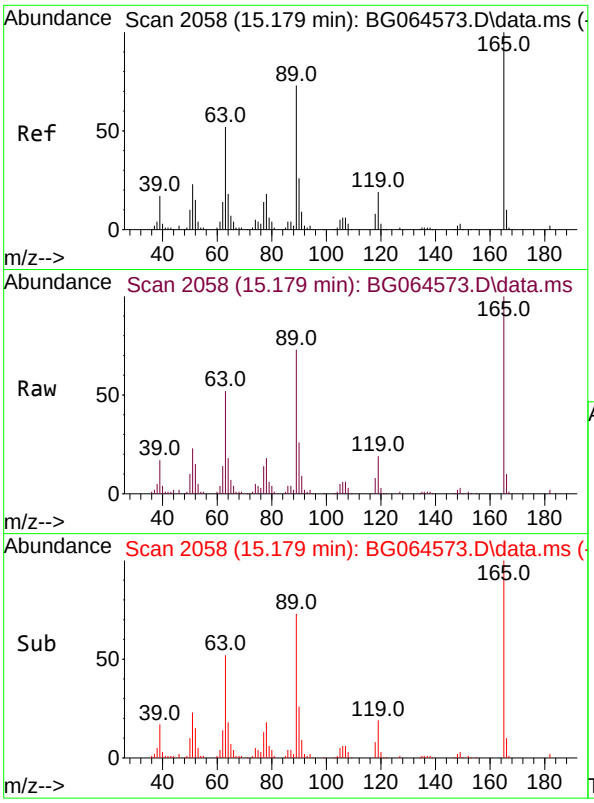


#56
4-Nitrophenol
Concen: 42.765 ng
RT: 15.009 min Scan# 2029
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:139 Resp: 68064

Ion	Ratio	Lower	Upper
139	100		
109	87.8	67.8	107.8
65	123.7	103.7	143.7

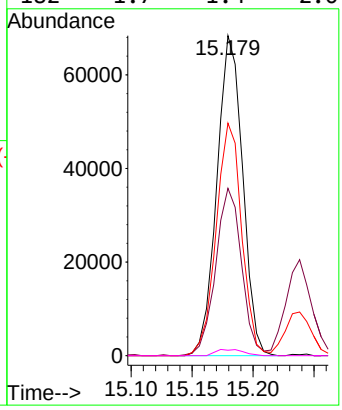




#57
2,4-Dinitrotoluene
Concen: 39.962 ng
RT: 15.179 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:165 Resp: 10044

Ion	Ratio	Lower	Upper
165	100		
63	52.3	41.8	62.8
89	72.6	58.1	87.1
182	1.7	1.4	2.0



Instrument :
BNA_G
ClientSampleId :
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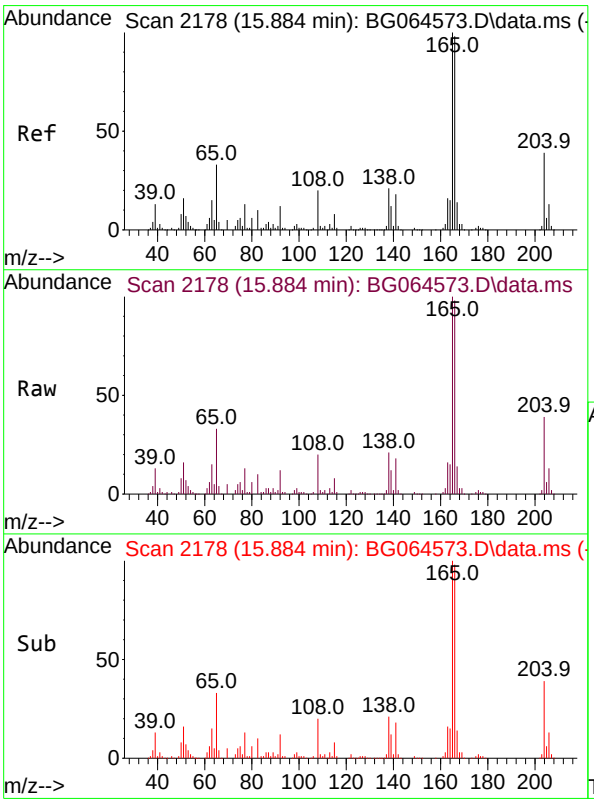
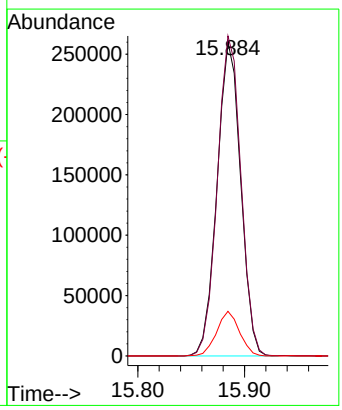
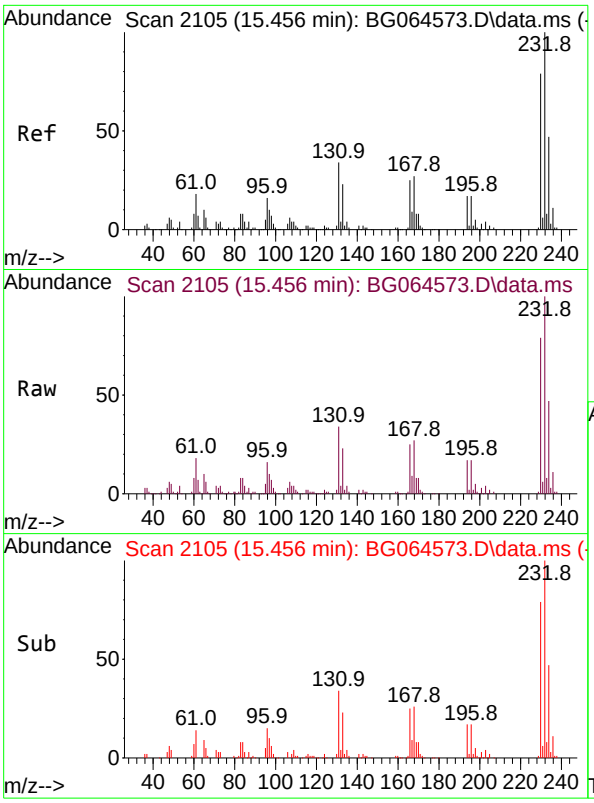


#58
Fluorene
Concen: 41.939 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:166 Resp: 399745

Ion	Ratio	Lower	Upper
166	100		
165	101.9	81.5	122.3
167	14.2	11.4	17.0

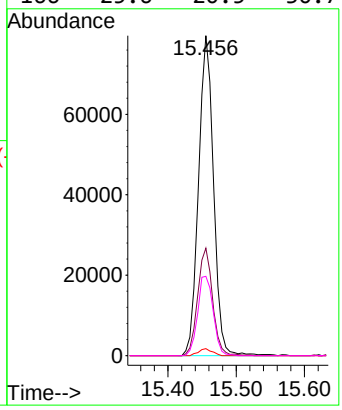




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.030 ng
RT: 15.456 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:232 Resp: 12176

Ion	Ratio	Lower	Upper
232	100		
131	33.4	26.7	40.1
130	2.0	1.6	2.4
166	25.6	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
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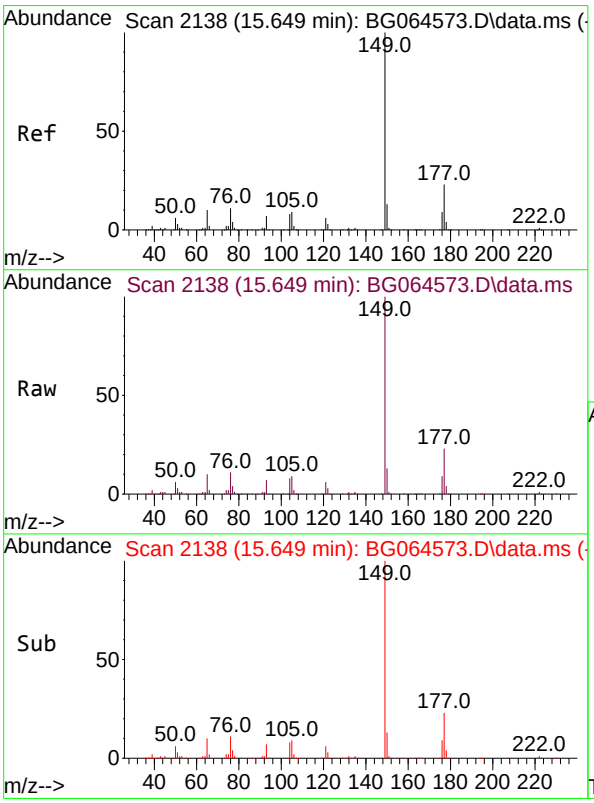
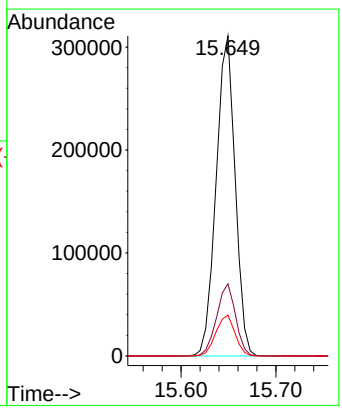
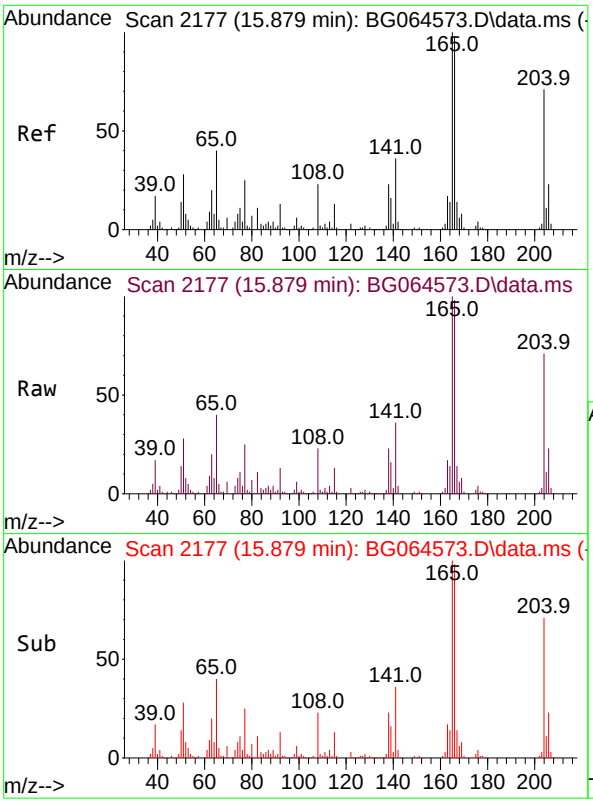


#60
Diethylphthalate
Concen: 42.412 ng
RT: 15.649 min Scan# 2138
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 432571

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.8	10.2	15.4

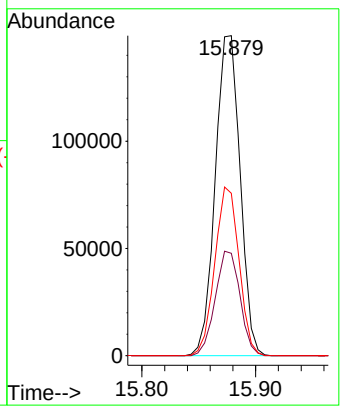




#61
4-Chlorophenyl-phenylether
Concen: 42.270 ng
RT: 15.879 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:204 Resp: 22610

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	50.7	40.6	60.8



Instrument :
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ClientSampleId :
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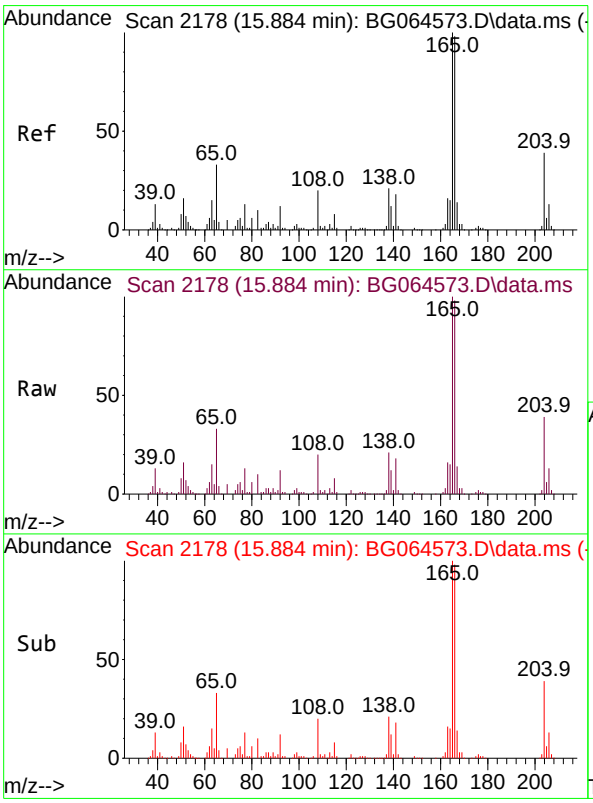
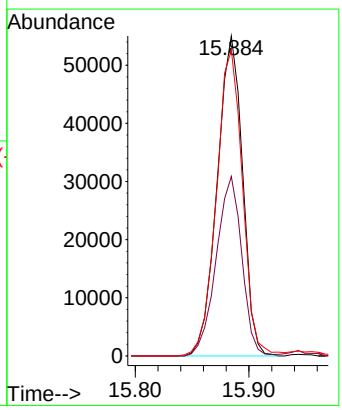
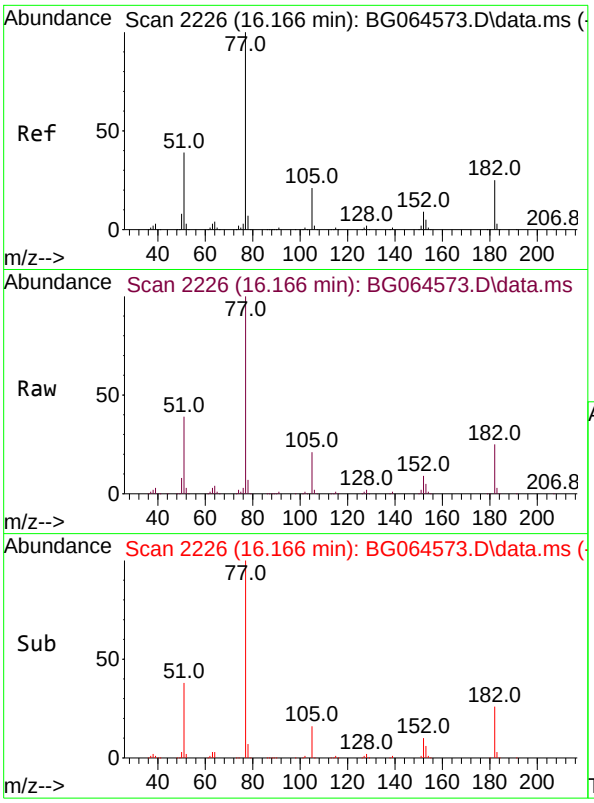


#62
4-Nitroaniline
Concen: 44.662 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:138 Resp: 85297

Ion	Ratio	Lower	Upper
138	100		
92	56.1	36.1	76.1
108	95.6	75.6	115.6

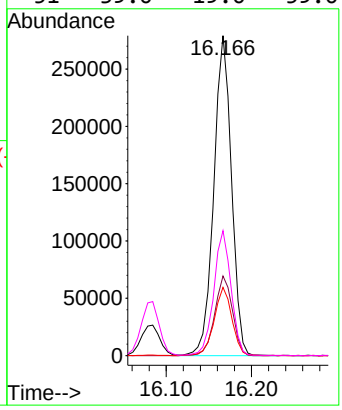




#63
Azobenzene
Concen: 42.922 ng
RT: 16.166 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 77 Resp: 40167

Ion	Ratio	Lower	Upper
77	100		
182	24.9	4.9	44.9
105	21.3	1.3	41.3
51	39.0	19.0	59.0



Instrument :
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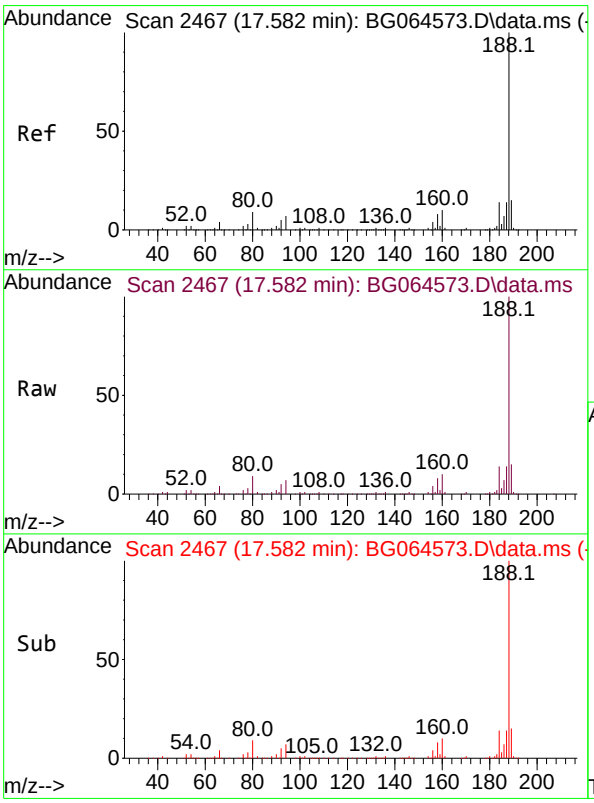
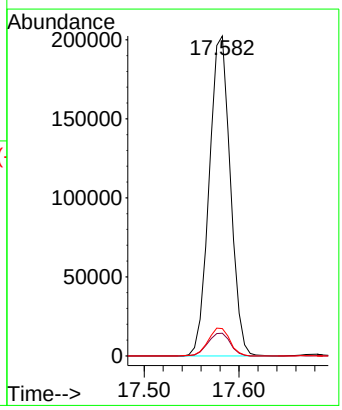
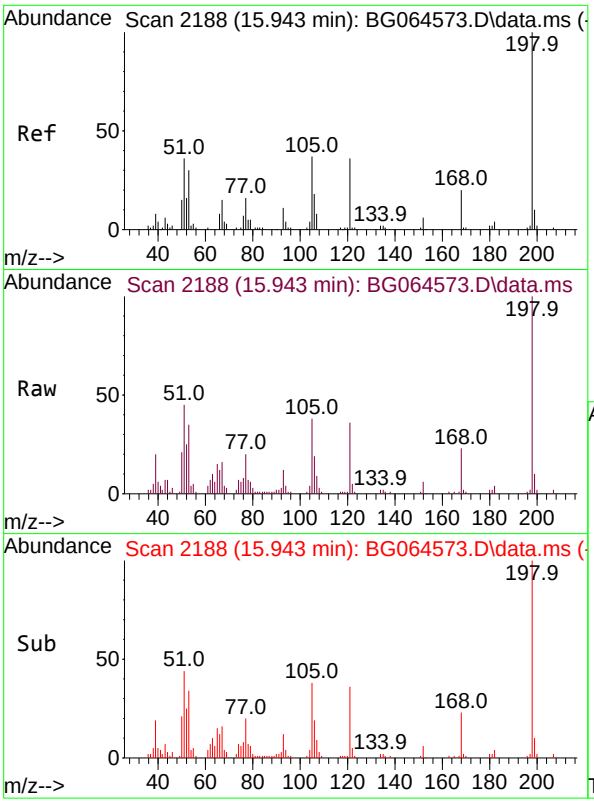


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.582 min Scan# 2467
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:188 Resp: 313311

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.7	8.5
80	8.5	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 38.770 ng
RT: 15.943 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:198 Resp: 5182

Ion	Ratio	Lower	Upper
198	100		
51	44.7	24.7	64.7
105	38.0	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
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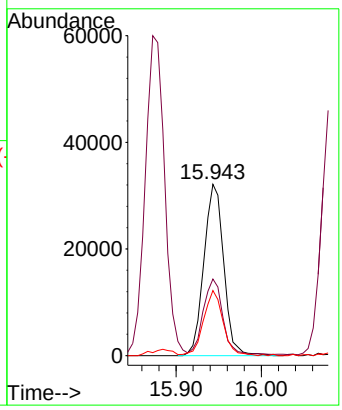
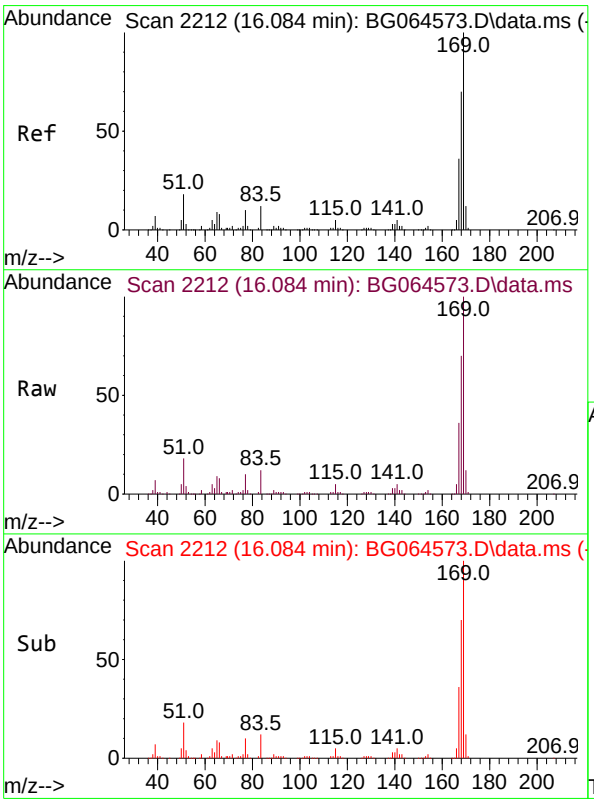
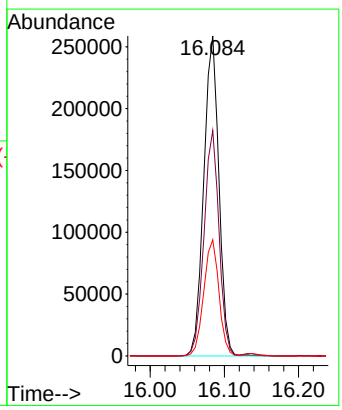


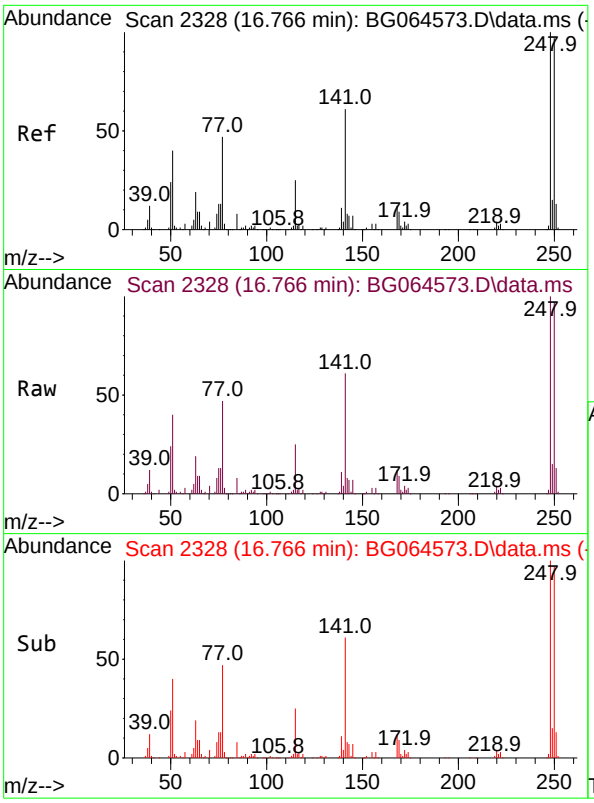


#66
n-Nitrosodiphenylamine
Concen: 43.201 ng
RT: 16.084 min Scan# 2212
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:169 Resp: 365624

Ion	Ratio	Lower	Upper
169	100		
168	70.4	56.3	84.5
167	36.3	29.0	43.6

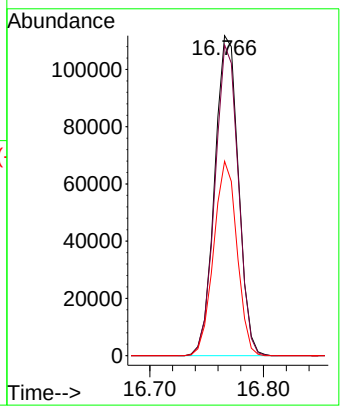




#67
4-Bromophenyl-phenylether
Concen: 43.563 ng
RT: 16.766 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:248 Resp: 16174

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.7	116.5
141	60.7	48.6	72.8



Instrument :
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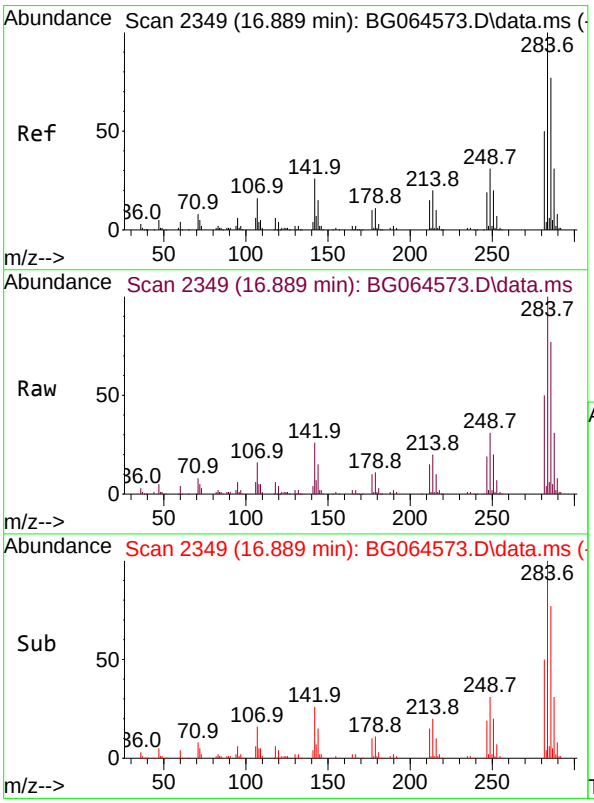
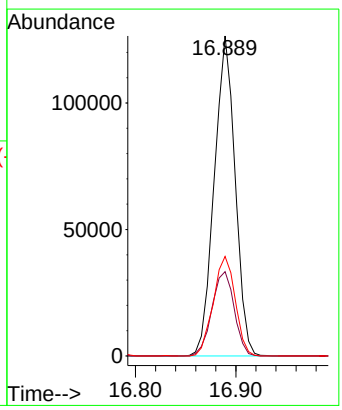
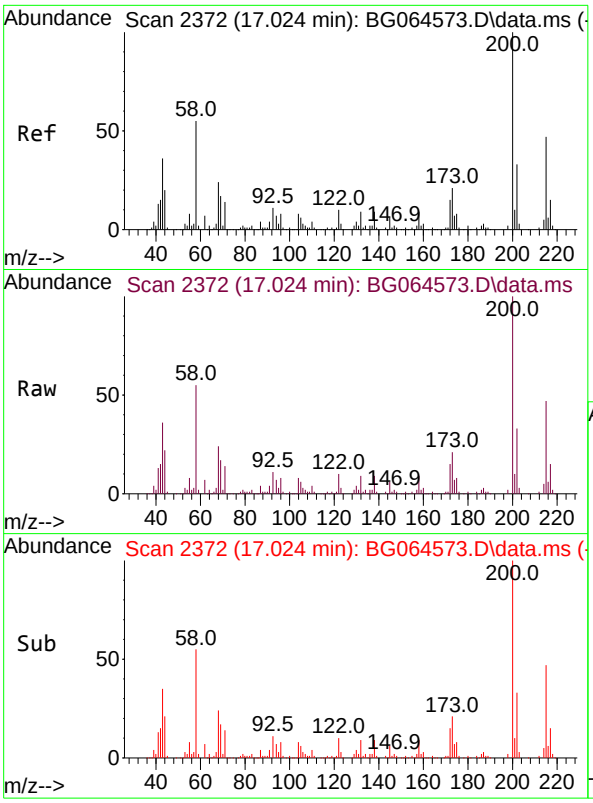


#68
Hexachlorobenzene
Concen: 43.265 ng
RT: 16.889 min Scan# 2349
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:284 Resp: 183262

Ion	Ratio	Lower	Upper
284	100		
142	26.3	21.0	31.6
249	31.1	24.9	37.3

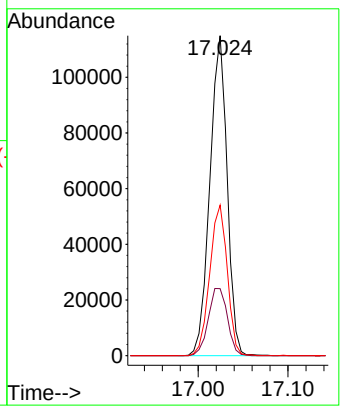




#69
Atrazine
Concen: 42.203 ng
RT: 17.024 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:200 Resp: 15370

Ion	Ratio	Lower	Upper
200	100		
173	20.9	0.9	40.9
215	47.0	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
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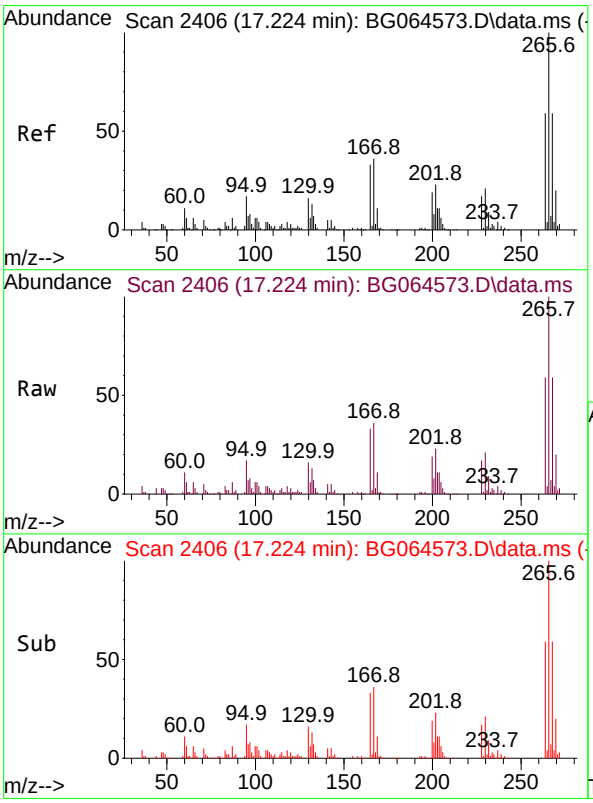
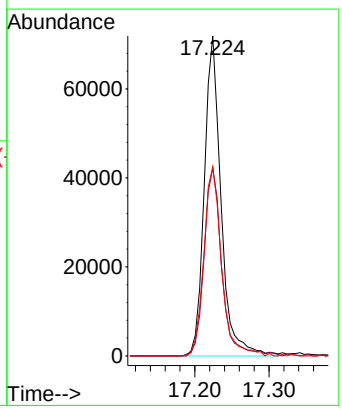
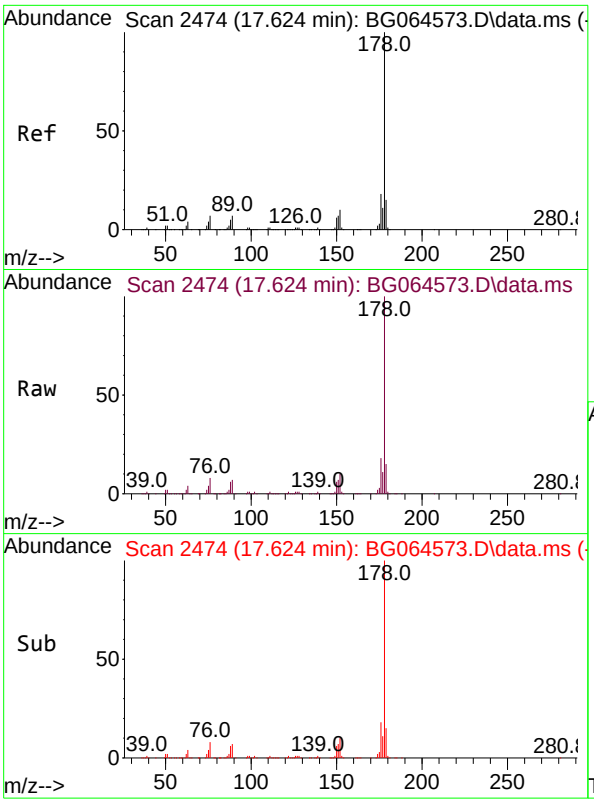


#70
Pentachlorophenol
Concen: 42.694 ng
RT: 17.224 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:266 Resp: 112769

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.3	75.5
264	59.1	47.3	70.9

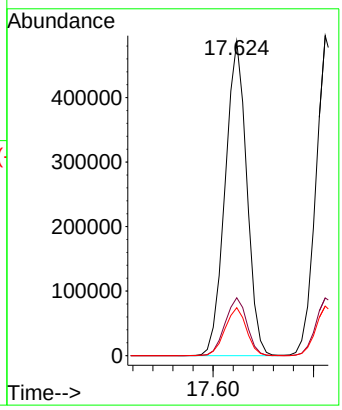




#71
Phenanthrene
Concen: 42.500 ng
RT: 17.624 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:178 Resp: 72818

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.3	12.2	18.4



Instrument :
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ClientSampleId :
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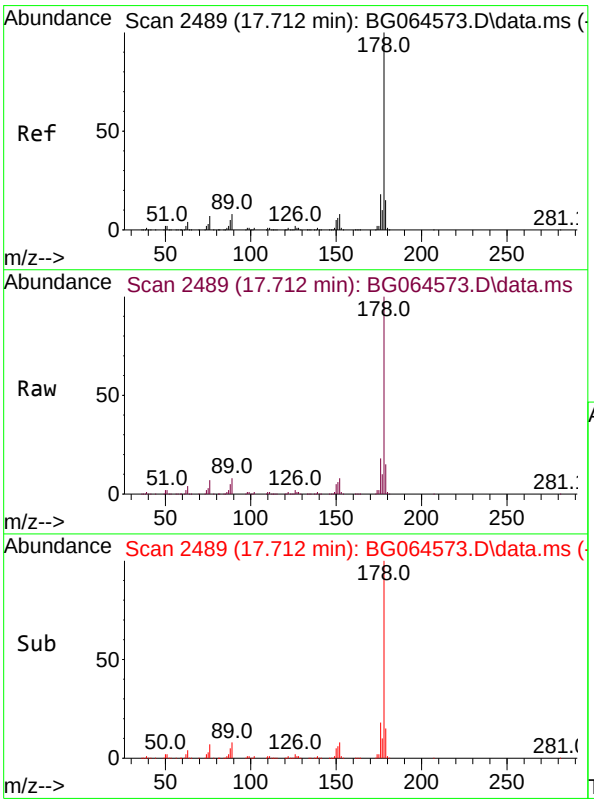
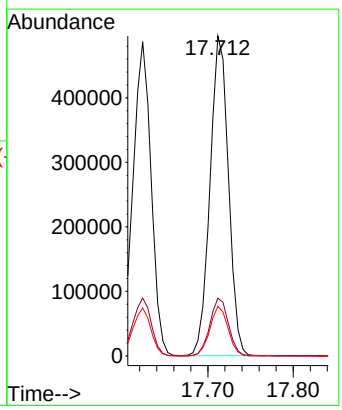
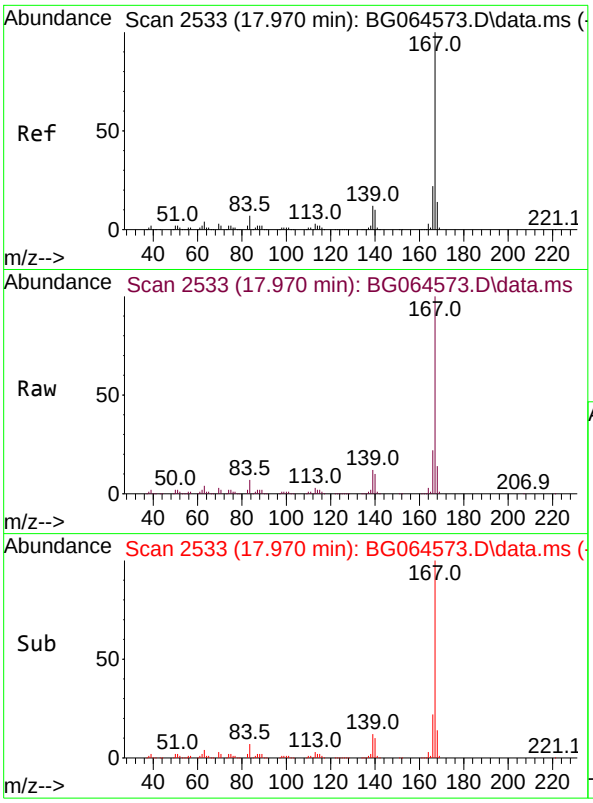


#72
Anthracene
Concen: 42.663 ng
RT: 17.712 min Scan# 2489
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:178 Resp: 743567

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.4	21.6
179	15.5	12.4	18.6

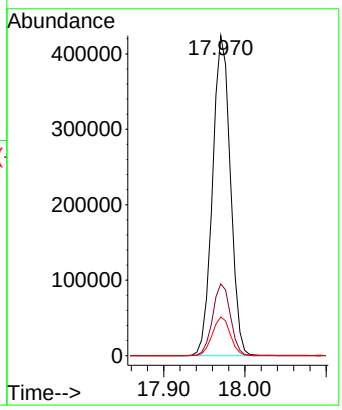




#73
Carbazole
Concen: 42.053 ng
RT: 17.970 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:167 Resp: 64631

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.9	26.9
139	12.1	9.7	14.5



Instrument :
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ClientSampleId :
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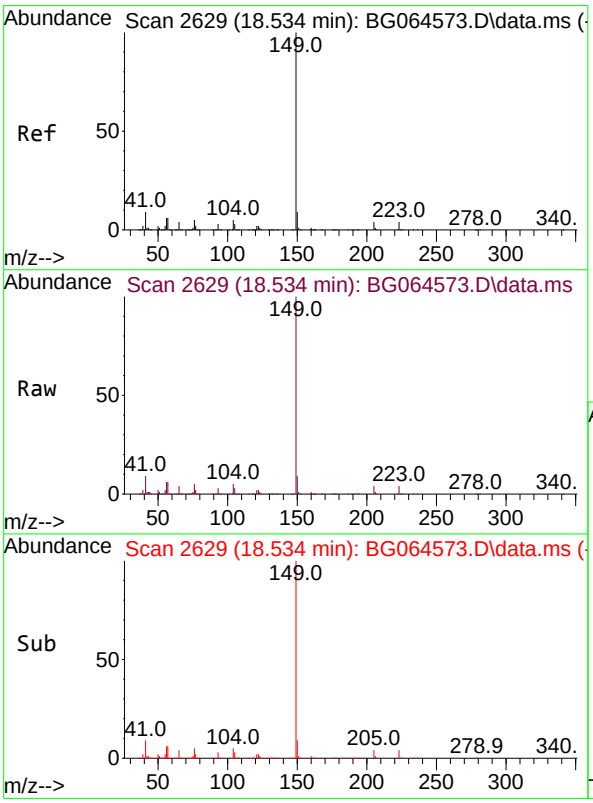
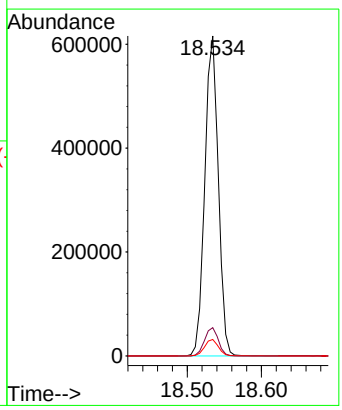
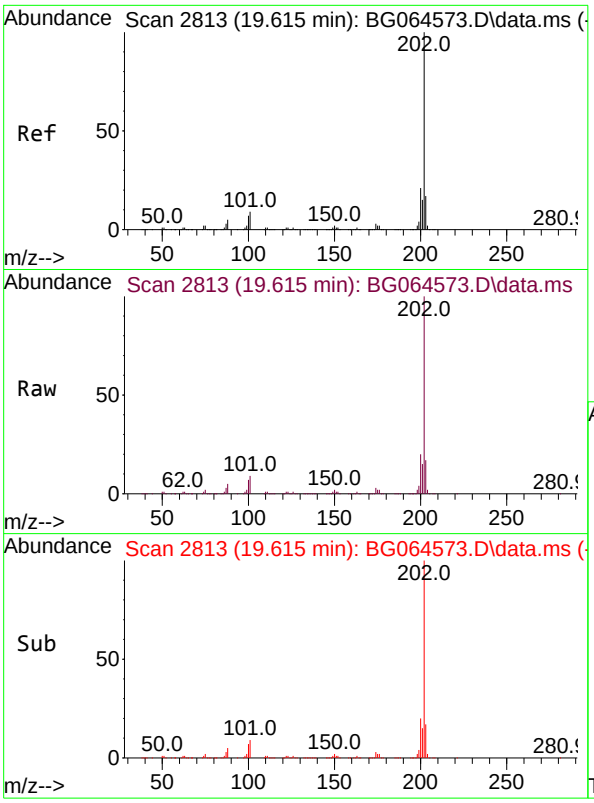


#74
Di-n-butylphthalate
Concen: 43.711 ng
RT: 18.534 min Scan# 2629
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 776847

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.1	4.1	6.1

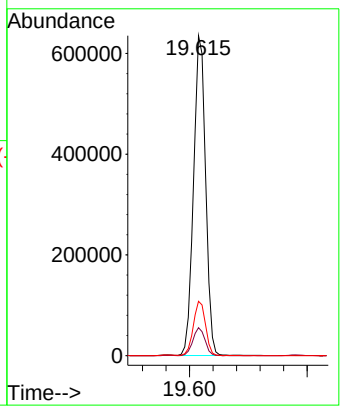




#75
Fluoranthene
Concen: 42.050 ng
RT: 19.615 min Scan# 28
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:202 Resp: 90255

Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	28.7
203	17.0	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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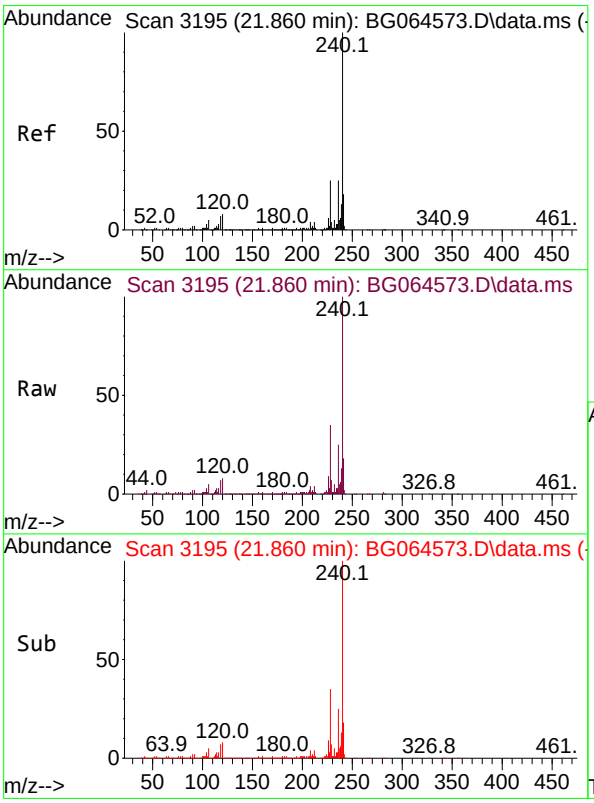
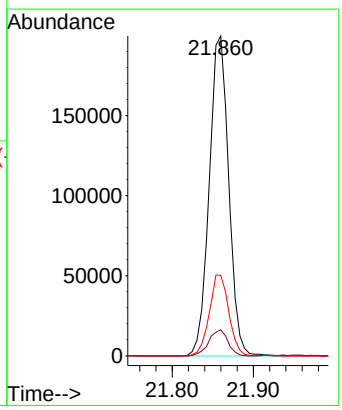
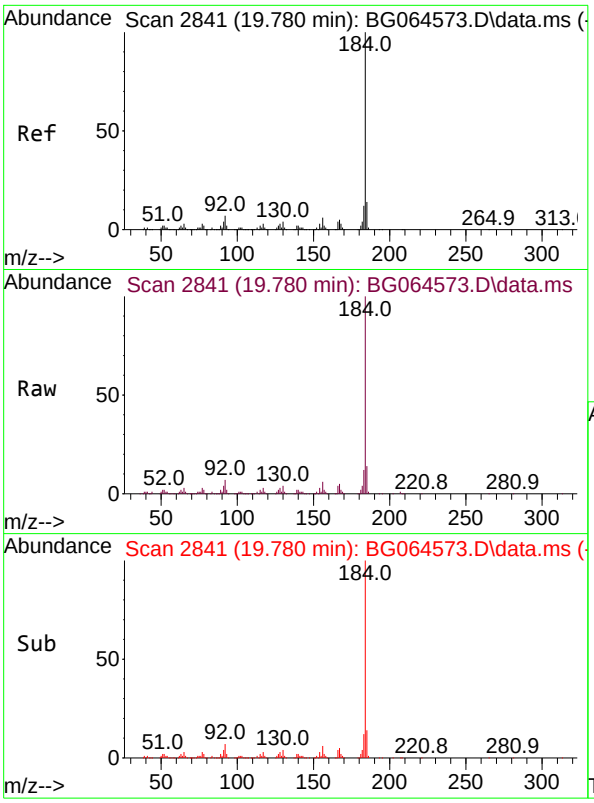


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.860 min Scan# 3195
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:240 Resp: 332834

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.5	9.7
236	25.2	20.2	30.2





#77
Benzidine
Concen: 43.697 ng
RT: 19.780 min Scan# 28
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

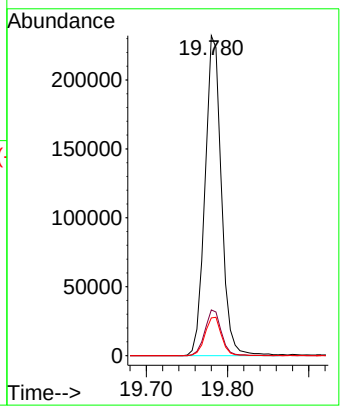
Tgt Ion:184 Resp: 32584

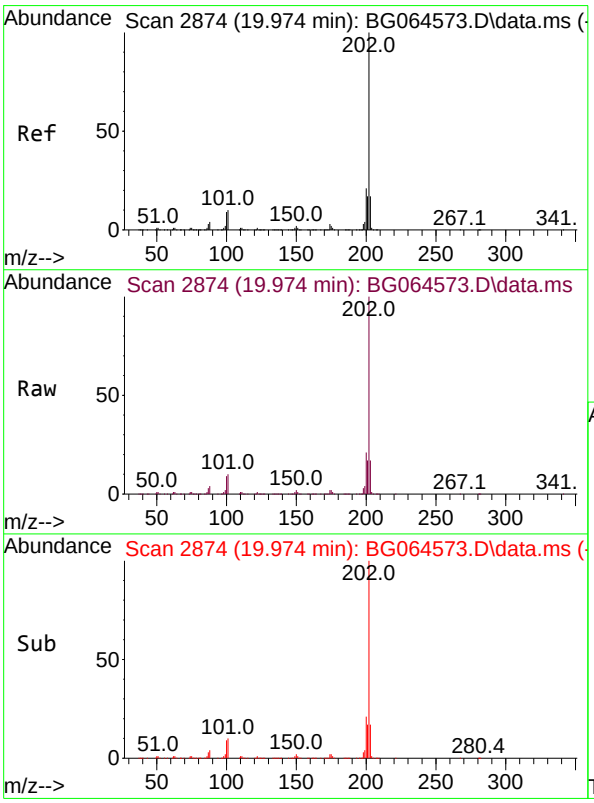
Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	11.8	9.4	14.2

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

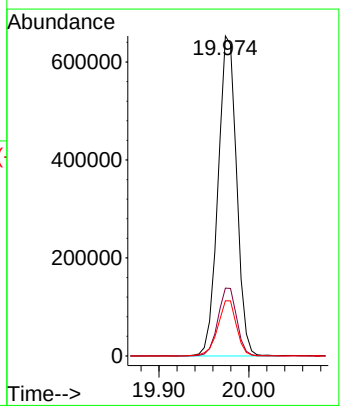


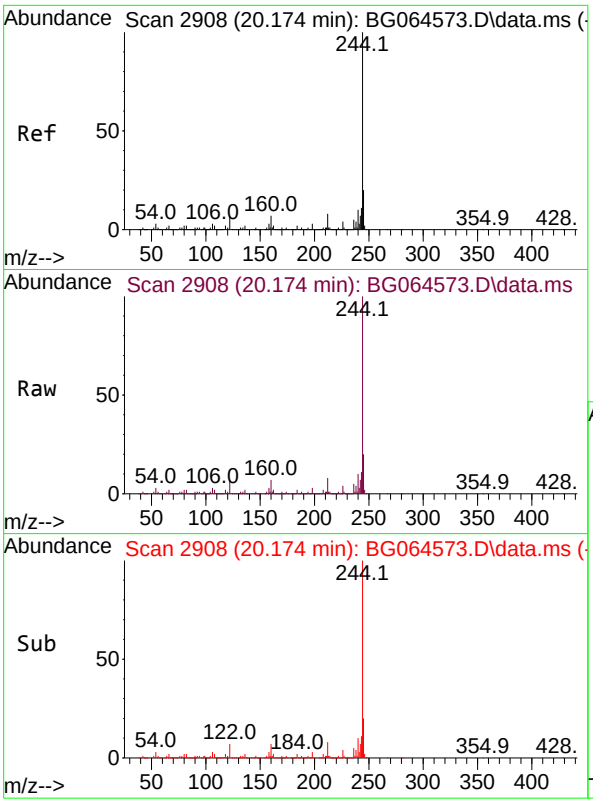


#78
Pyrene
Concen: 43.186 ng
RT: 19.974 min Scan# 2874
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:202 Resp: 939110

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.2	13.8	20.6

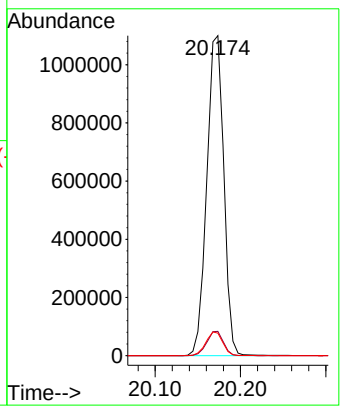




#79
Terphenyl-d14
Concen: 86.242 ng
RT: 20.174 min Scan# 29
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:244 Resp: 152102

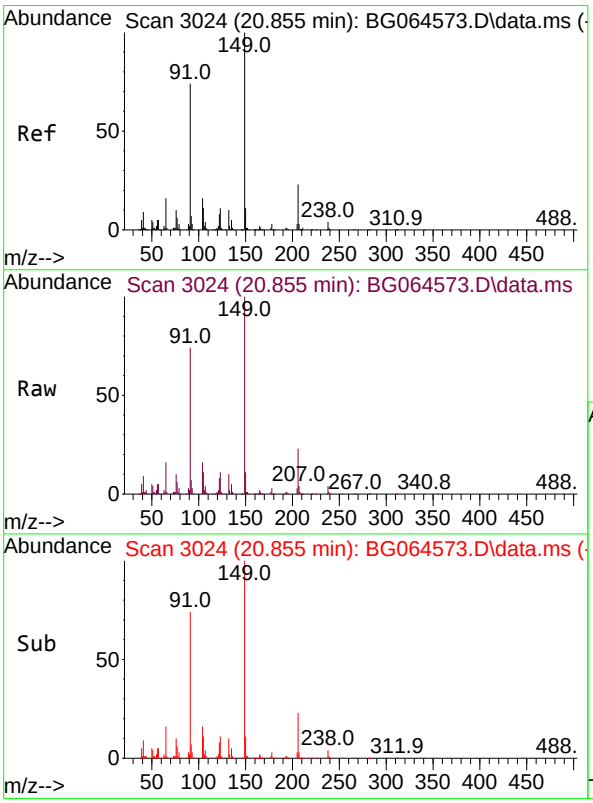
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	7.0	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

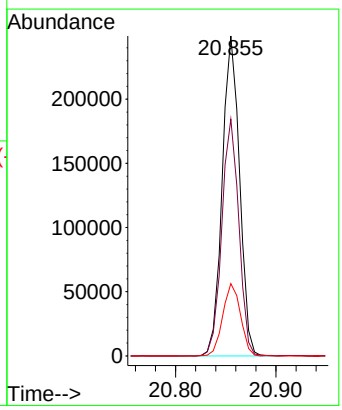
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

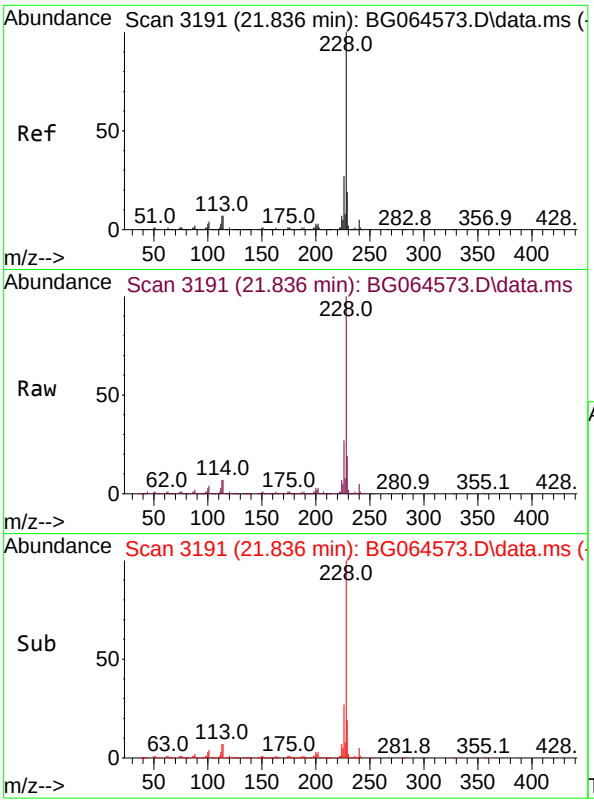


#80
Butylbenzylphthalate
Concen: 45.601 ng
RT: 20.855 min Scan# 3024
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 299706

Ion	Ratio	Lower	Upper
149	100		
91	74.0	59.2	88.8
206	22.6	18.1	27.1

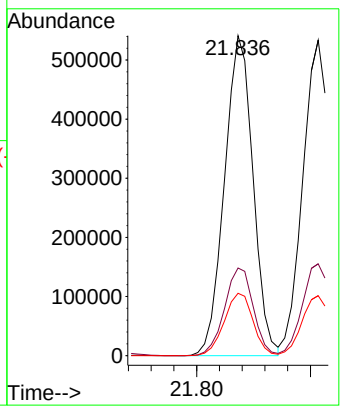




#81
Benzo(a)anthracene
Concen: 42.723 ng
RT: 21.836 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:228 Resp: 94283

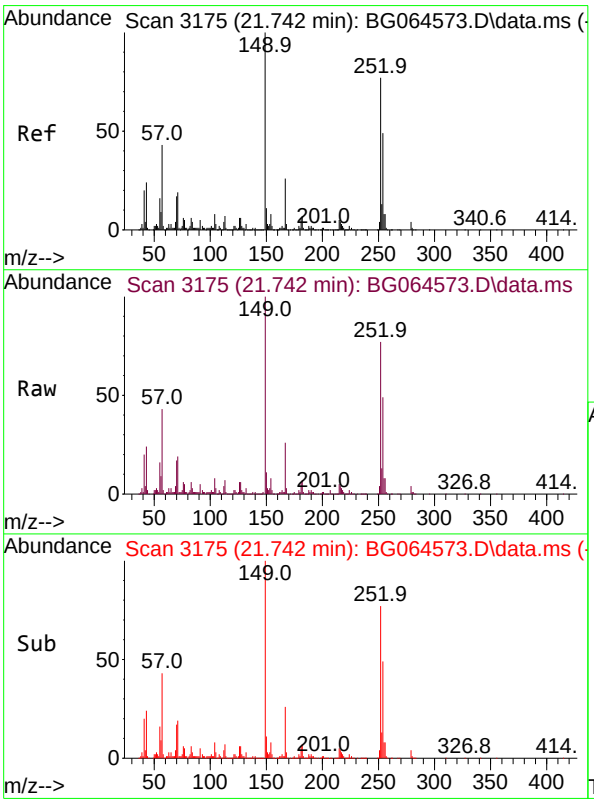
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	19.5	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

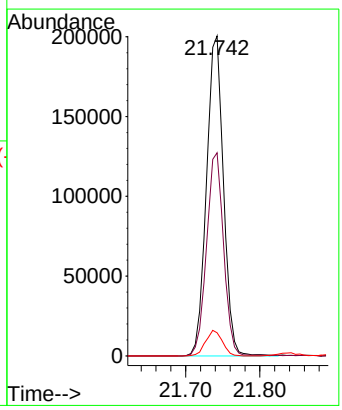
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

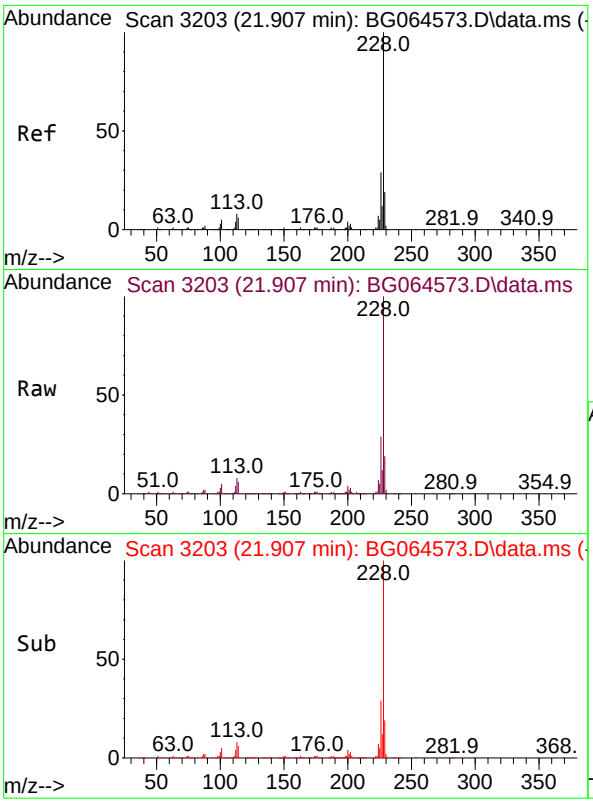


#82
3,3'-Dichlorobenzidine
Concen: 43.131 ng
RT: 21.742 min Scan# 3175
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 317851

Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.8	76.2
126	7.2	5.8	8.6

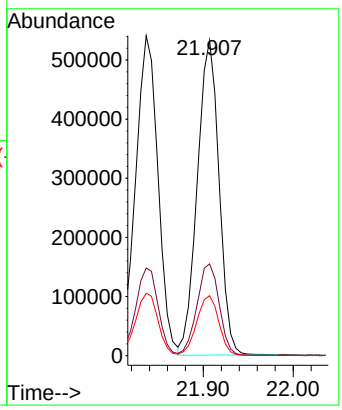




#83
Chrysene
Concen: 42.613 ng
RT: 21.907 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:228 Resp: 89481

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.3	34.9
229	19.0	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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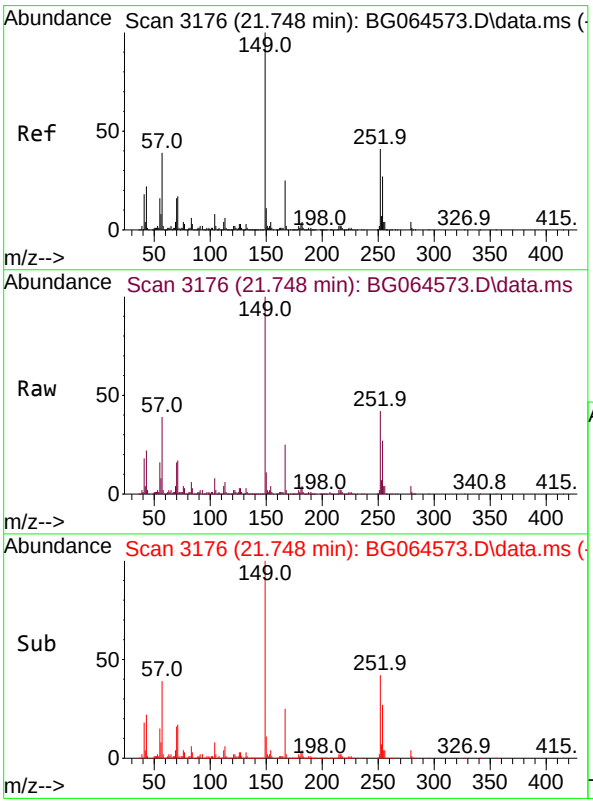
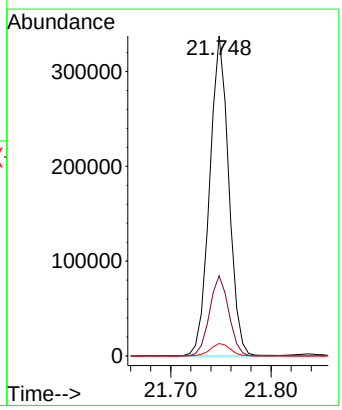
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

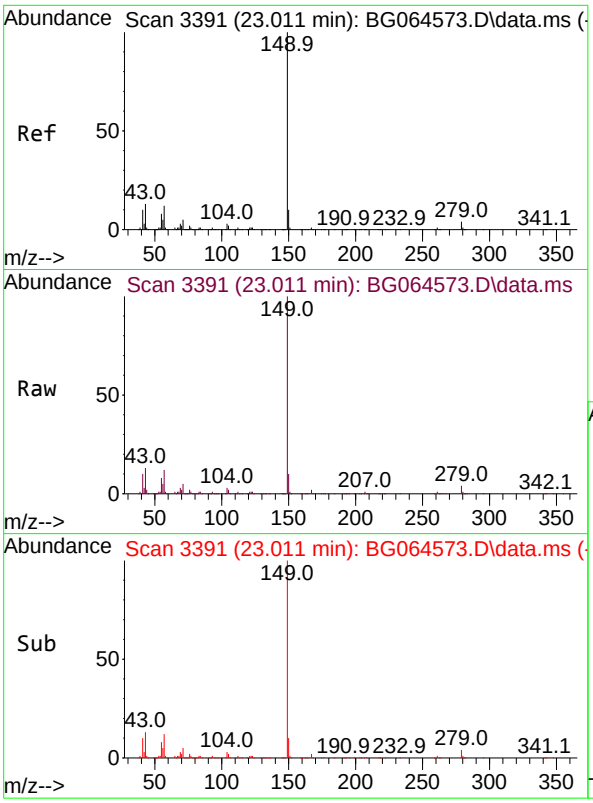


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.494 ng
RT: 21.748 min Scan# 3176
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 446785

Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.0	30.0
279	3.9	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 43.688 ng
RT: 23.011 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 72336

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.5	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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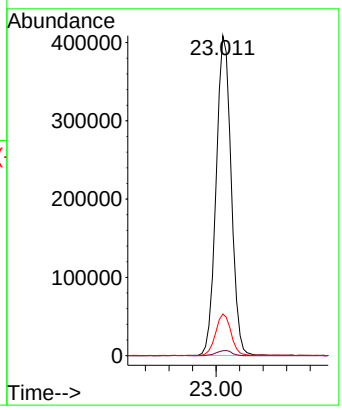
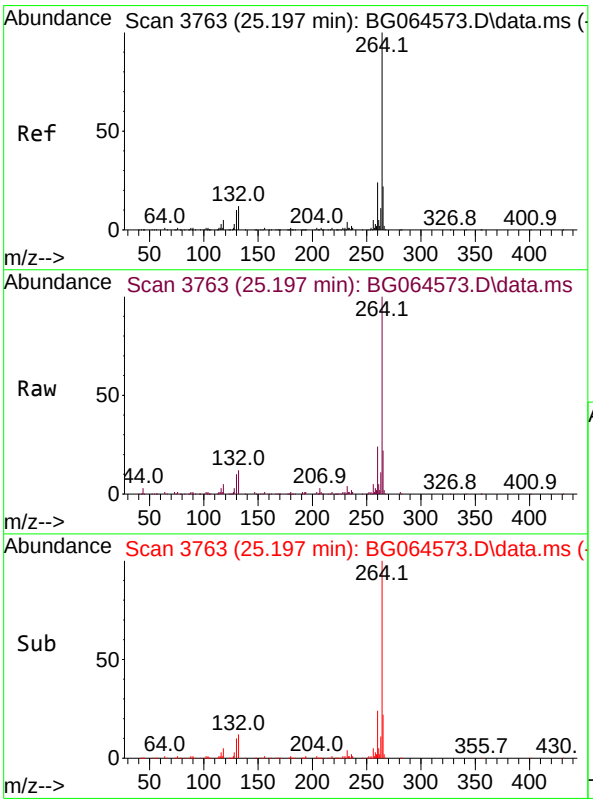
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

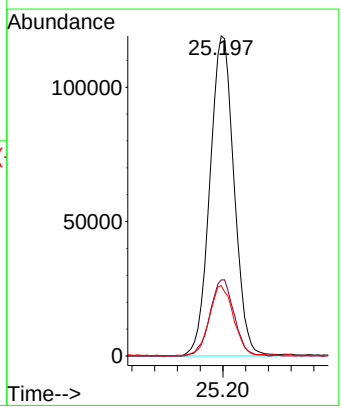


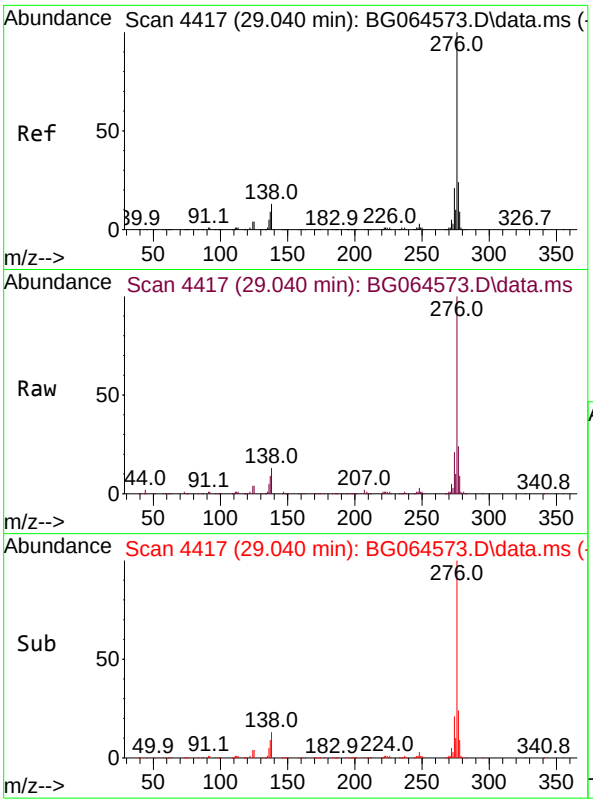


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.197 min Scan# 3763
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:264 Resp: 350897

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	22.0	17.6	26.4

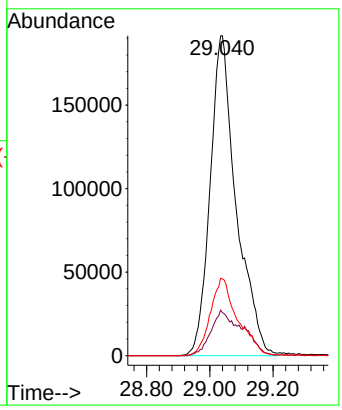




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.624 ng
RT: 29.040 min Scan# 44
Delta R.T. -0.021 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:276 Resp: 1100259

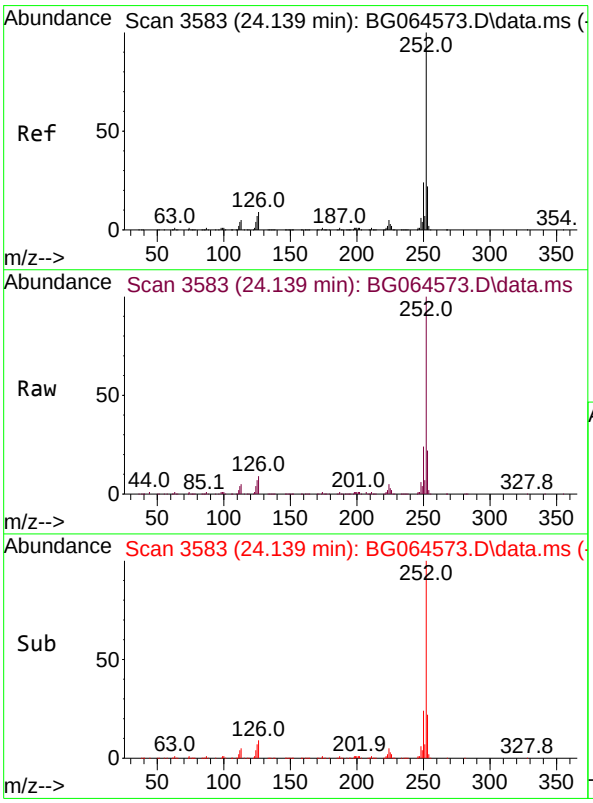
Ion	Ratio	Lower	Upper
276	100		
138	13.5	10.8	16.2
277	25.1	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

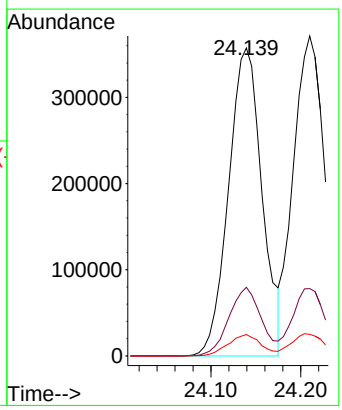
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

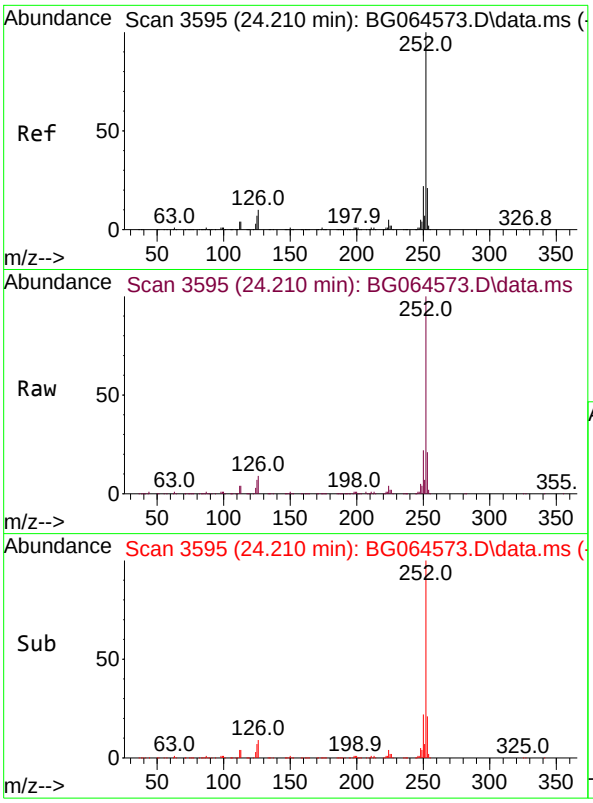


#88
Benzo(b)fluoranthene
Concen: 43.108 ng
RT: 24.139 min Scan# 3583
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 927550

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	7.0	5.6	8.4

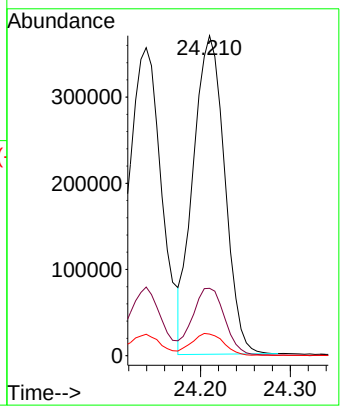




#89
Benzo(k)fluoranthene
Concen: 41.878 ng
RT: 24.210 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 90170

Ion	Ratio	Lower	Upper
252	100		
253	21.0	16.8	25.2
125	6.7	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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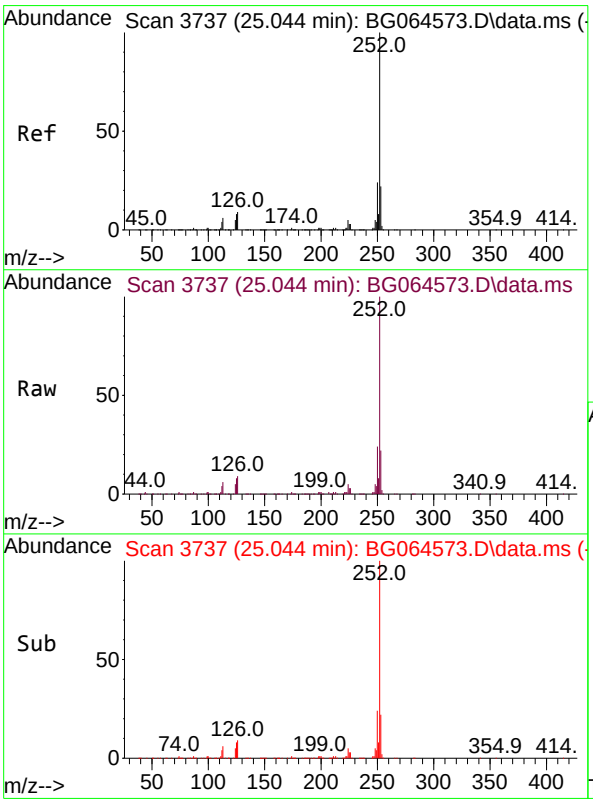
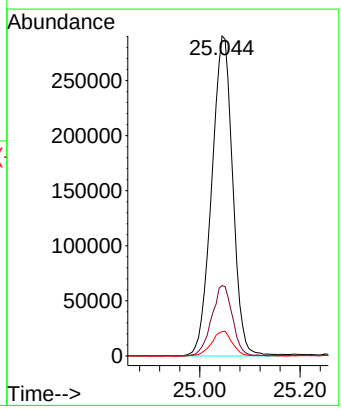
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

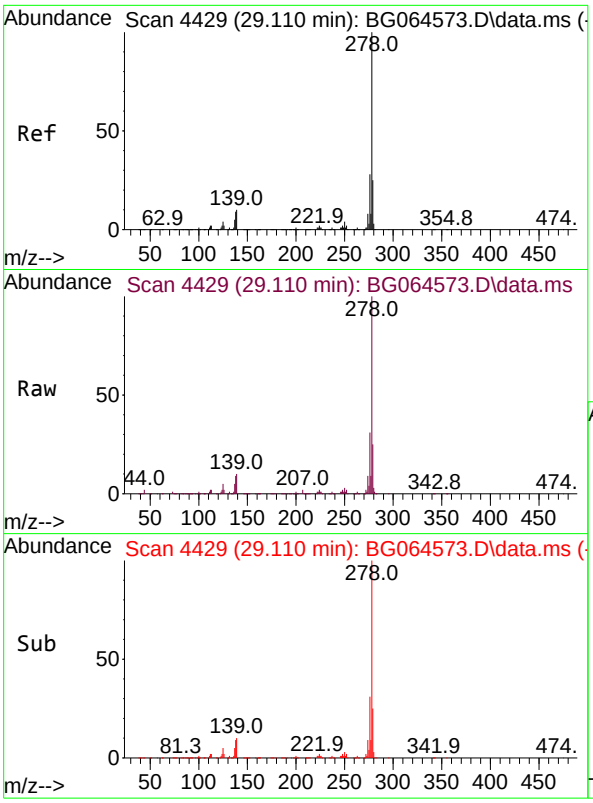


#90
Benzo(a)pyrene
Concen: 42.635 ng
RT: 25.044 min Scan# 3737
Delta R.T. -0.015 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 843258

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	7.6	6.1	9.1

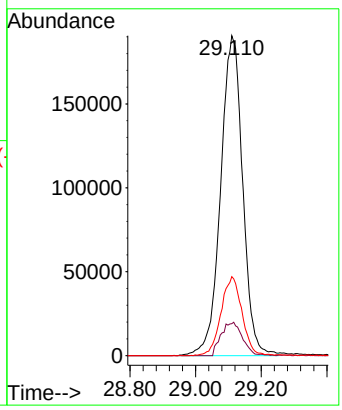




#91
Dibenzo(a,h)anthracene
Concen: 42.430 ng
RT: 29.110 min Scan# 44
Delta R.T. -0.027 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:278 Resp: 889808

Ion	Ratio	Lower	Upper
278	100		
139	10.0	8.0	12.0
279	24.7	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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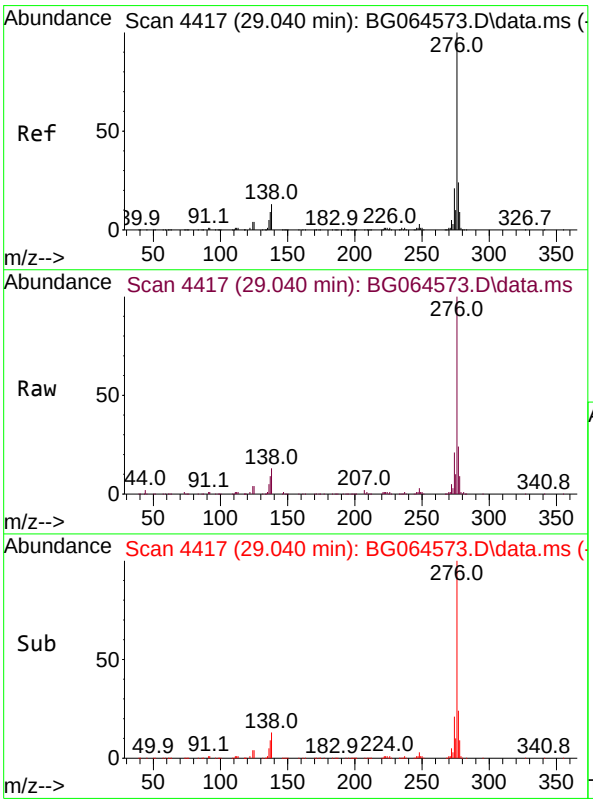
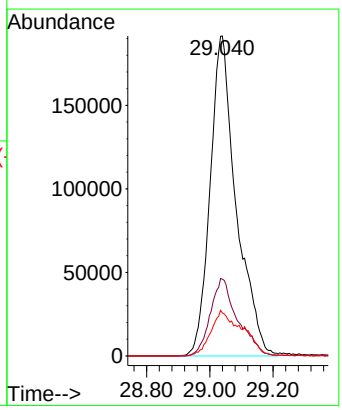
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 42.624 ng
RT: 29.040 min Scan# 4417
Delta R.T. -0.021 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:276 Resp: 1100259

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	13.4	10.7	16.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064574.D
Acq On : 24 Oct 2025 13:44
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.219	152	40271	20.000	ng		0.00
21) Naphthalene-d8	11.045	136	168005	20.000	ng		0.00
39) Acenaphthene-d10	14.841	164	134994	20.000	ng		0.00
64) Phenanthrene-d10	17.579	188	324385	20.000	ng		0.00
76) Chrysene-d12	21.856	240	340896	20.000	ng		0.00
86) Perylene-d12	25.205	264	350916	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.746	112	318446	132.728	ng		0.00
7) Phenol-d6	7.355	99	450449	136.821	ng		0.00
23) Nitrobenzene-d5	9.388	82	406268	145.243	ng		0.00
42) 2,4,6-Tribromophenol	16.321	330	280190	143.807	ng		0.00
45) 2-Fluorobiphenyl	13.478	172	1120989	125.867	ng		0.00
79) Terphenyl-d14	20.176	244	2253704	124.763	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.589	88	67487	63.535	ng		98
3) Pyridine	4.001	79	209372	65.637	ng		98
4) n-Nitrosodimethylamine	3.907	42	111310	65.071	ng		94
6) Aniline	7.532	93	294791	65.803	ng		98
8) 2-Chlorophenol	7.779	128	176533	70.297	ng		98
9) Benzaldehyde	7.344	77	118559	65.963	ng		98
10) Phenol	7.379	94	244914	67.267	ng		98
11) bis(2-Chloroethyl)ether	7.532	93	294791	65.803	ng		99
12) 1,3-Dichlorobenzene	8.113	146	186290	64.452	ng		99
13) 1,4-Dichlorobenzene	8.254	146	188553	64.157	ng		95
14) 1,2-Dichlorobenzene	8.583	146	183593	64.766	ng		98
15) Benzyl Alcohol	8.448	79	185157	68.201	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.742	45	459295	65.410	ng		100
17) 2-Methylphenol	8.448	107	95860	70.639	ng		95
18) Hexachloroethane	9.324	117	67237	65.193	ng		99
19) n-Nitroso-di-n-propyla...	9.030	70	155683	68.424	ng		99
20) 3+4-Methylphenols	8.983	107	228995	67.359	ng		98
22) Acetophenone	9.048	105	297413	64.759	ng	#	96
24) Nitrobenzene	9.430	77	220774	72.567	ng		98
25) Isophorone	9.958	82	449298	66.940	ng		99
26) 2-Nitrophenol	10.146	139	76368	63.945	ng		98
27) 2,4-Dimethylphenol	10.193	122	181063m	71.099	ng		
28) bis(2-Chloroethoxy)met...	10.440	93	248699	65.078	ng		99
29) 2,4-Dichlorophenol	10.681	162	188233	70.056	ng		96
30) 1,2,4-Trichlorobenzene	10.904	180	200988	65.837	ng		95
31) Naphthalene	11.098	128	605239	64.976	ng		99
32) Benzoic acid	10.340	122	131162m	68.067	ng		
33) 4-Chloroaniline	11.192	127	245101	67.699	ng		98
34) Hexachlorobutadiene	11.392	225	154303	64.630	ng		97
35) Caprolactam	11.968	113	71319	69.206	ng		96
36) 4-Chloro-3-methylphenol	12.297	107	228833	70.853	ng		100
37) 2-Methylnaphthalene	12.690	142	447497	65.435	ng		98
38) 1-Methylnaphthalene	12.908	142	442677	65.785	ng		99
40) 1,2,4,5-Tetrachloroben...	13.055	216	290173	64.049	ng		100
41) Hexachlorocyclopentadiene	13.037	237	137727	67.540	ng		99
43) 2,4,6-Trichlorophenol	13.278	196	184771	71.299	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064574.D
Acq On : 24 Oct 2025 13:44
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 24 17:11:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.354	196	209320	69.994	ng		96
46) 1,1'-Biphenyl	13.683	154	606860	63.233	ng		98
47) 2-Chloronaphthalene	13.730	162	463792	64.022	ng		98
48) 2-Nitroaniline	13.913	65	163796	66.052	ng		95
49) Acenaphthylene	14.571	152	739728	64.738	ng		100
50) Dimethylphthalate	14.289	163	688128	66.616	ng		99
51) 2,6-Dinitrotoluene	14.400	165	114588	65.951	ng		95
52) Acenaphthene	14.911	154	510499	65.392	ng		98
53) 3-Nitroaniline	14.729	138	131776	74.231	ng		91
54) 2,4-Dinitrophenol	14.929	184	66900	65.082	ng	#	75
55) Dibenzofuran	15.240	168	804964	63.779	ng		97
56) 4-Nitrophenol	15.017	139	114408	69.512	ng		97
57) 2,4-Dinitrotoluene	15.187	165	175802	65.522	ng	#	100
58) Fluorene	15.887	166	627437	63.656	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.458	232	205529	71.870	ng		99
60) Diethylphthalate	15.652	149	695924	65.982	ng		99
61) 4-Chlorophenyl-phenyle...	15.875	204	359759	65.038	ng		99
62) 4-Nitroaniline	15.893	138	143839	72.832	ng		98
63) Azobenzene	16.169	77	633520	65.464	ng		99
65) 4,6-Dinitro-2-methylph...	15.945	198	94338	64.046	ng		93
66) n-Nitrosodiphenylamine	16.086	169	577835	65.944	ng		99
67) 4-Bromophenyl-phenylether	16.768	248	256556	66.740	ng		100
68) Hexachlorobenzene	16.891	284	293831	67.001	ng		96
69) Atrazine	17.026	200	254070	67.378	ng		97
70) Pentachlorophenol	17.226	266	193954	70.923	ng		91
71) Phenanthrene	17.626	178	1147317	64.676	ng		99
72) Anthracene	17.714	178	1171223	64.905	ng		99
73) Carbazole	17.972	167	1000680	62.887	ng		99
74) Di-n-butylphthalate	18.536	149	1165396	63.334	ng		99
75) Fluoranthene	19.618	202	1364891	61.419	ng		98
77) Benzidine	19.782	184	544918	71.348	ng		99
78) Pyrene	19.976	202	1437669	64.549	ng		99
80) Butylbenzylphthalate	20.857	149	477358	70.914	ng		98
81) Benzo(a)anthracene	21.839	228	1462488	64.702	ng		99
82) 3,3'-Dichlorobenzidine	21.739	252	497174	65.868	ng		99
83) Chrysene	21.909	228	1389821	64.621	ng		98
84) Bis(2-ethylhexyl)phtha...	21.750	149	681649	67.768	ng		98
85) Di-n-octyl phthalate	23.014	149	1142651	67.379	ng		100
87) Indeno(1,2,3-cd)pyrene	29.048	276	1729035	66.979	ng		98
88) Benzo(b)fluoranthene	24.142	252	1424640	66.207	ng		99
89) Benzo(k)fluoranthene	24.218	252	1436312	66.703	ng		99
90) Benzo(a)pyrene	25.052	252	1311701	66.315	ng		100
91) Dibenzo(a,h)anthracene	29.124	278	1394234	66.479	ng		99
92) Benzo(g,h,i)perylene	29.048	276	1729035	66.979	ng		98

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064574.D
Acq On : 24 Oct 2025 13:44
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 24 17:11:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

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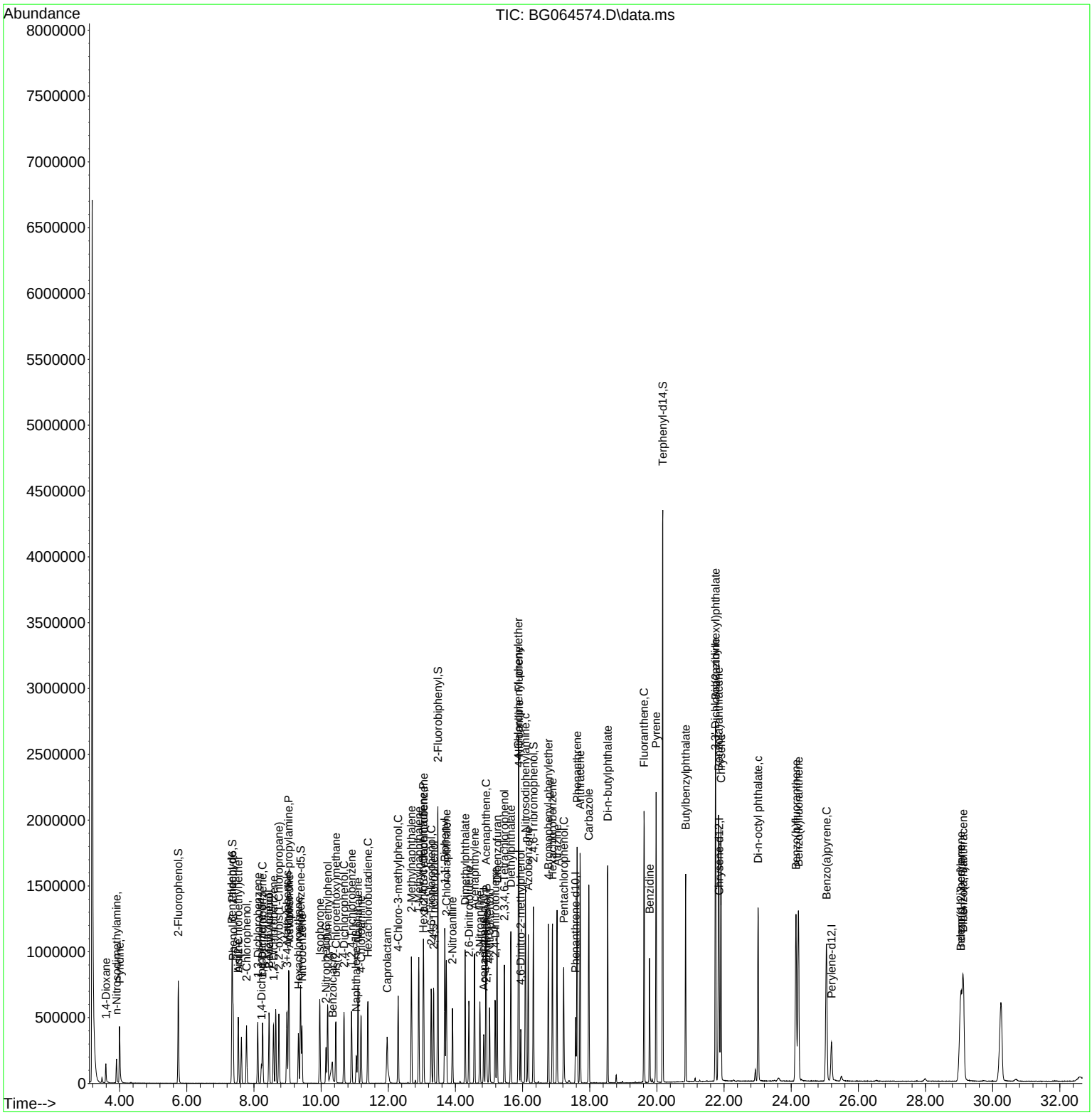
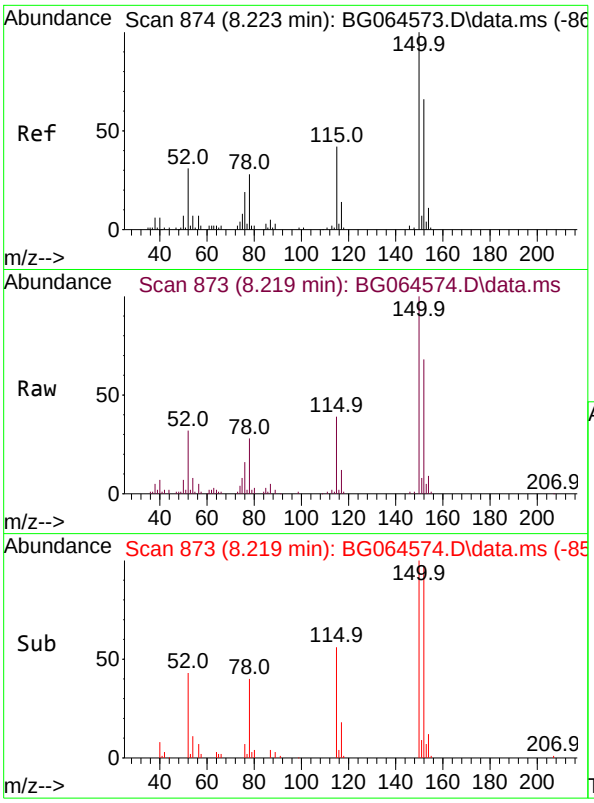
Supervised By :Jagrut Upadhyay 10/27/2025

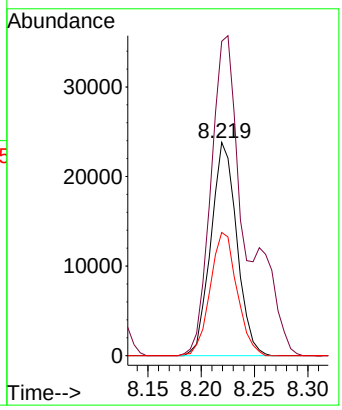




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:152 Resp: 4027

Ion	Ratio	Lower	Upper
152	100		
150	147.4	122.2	183.4
115	57.8	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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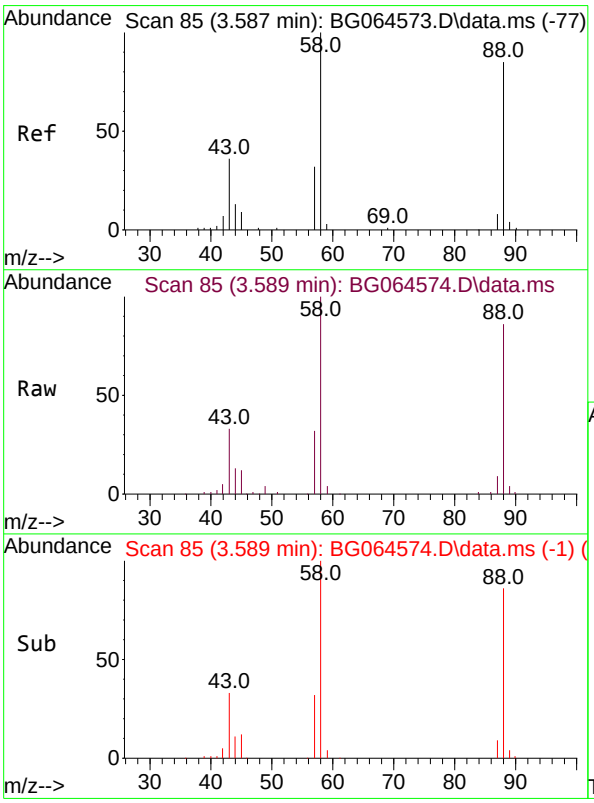
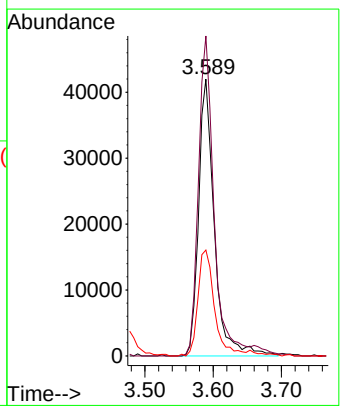
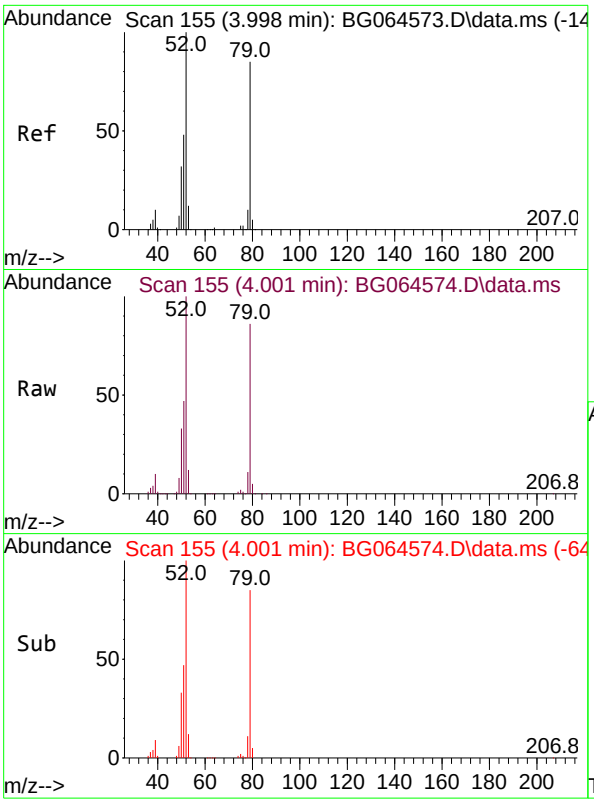


#2
1,4-Dioxane
Concen: 63.535 ng
RT: 3.589 min Scan# 85
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 88 Resp: 67487

Ion	Ratio	Lower	Upper
88	100		
58	113.3	92.4	138.6
43	40.0	33.0	49.6

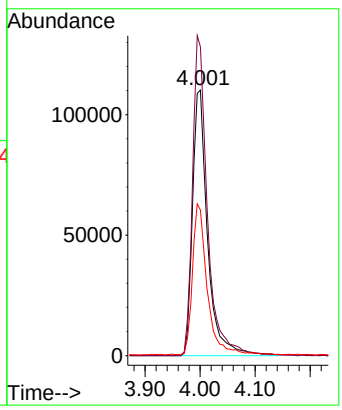




#3
Pyridine
Concen: 65.637 ng
RT: 4.001 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 79 Resp: 20937

Ion	Ratio	Lower	Upper
79	100		
52	116.3	94.2	141.2
51	54.8	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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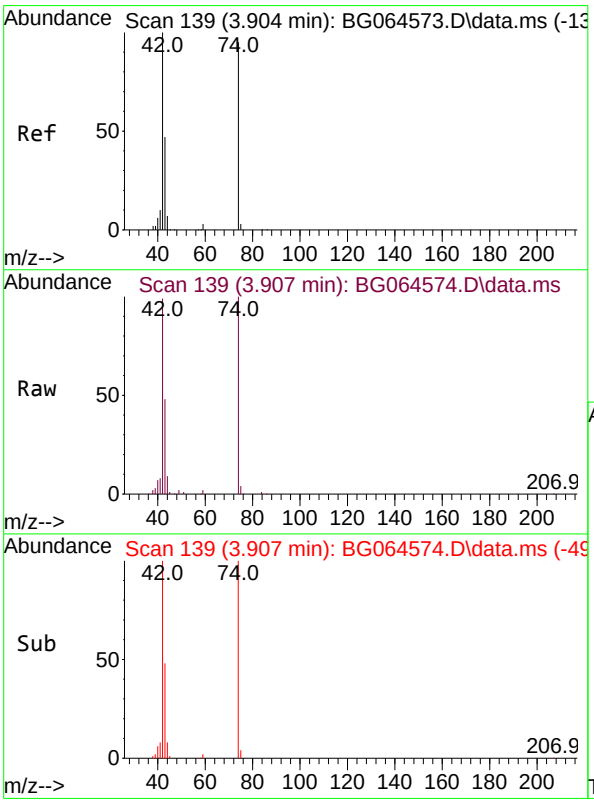
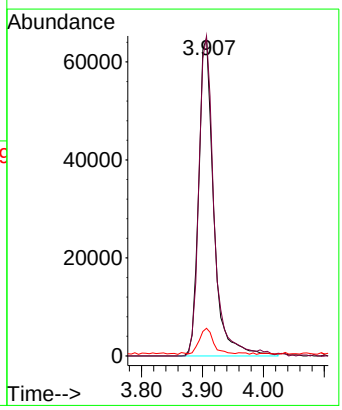
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

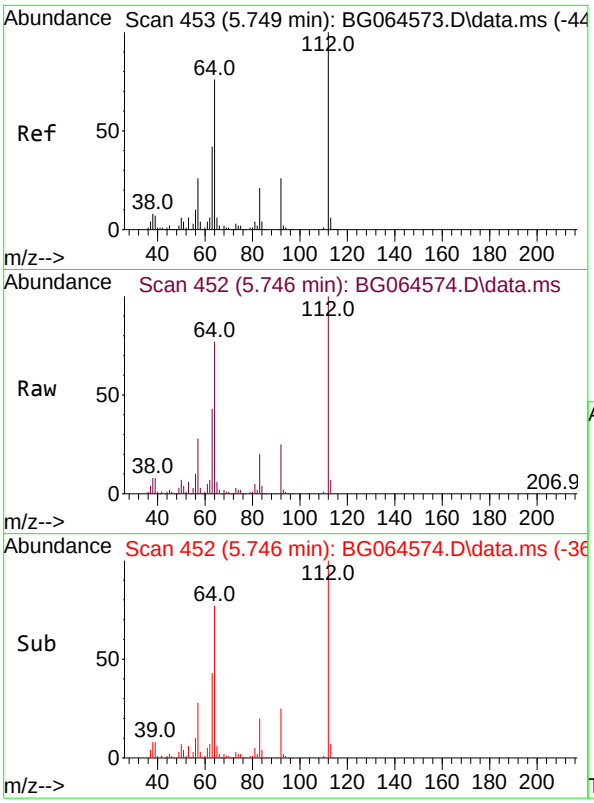


#4
n-Nitrosodimethylamine
Concen: 65.071 ng
RT: 3.907 min Scan# 139
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 42 Resp: 111310

Ion	Ratio	Lower	Upper
42	100		
74	100.7	76.1	114.1
44	8.7	6.3	9.5





#5
2-Fluorophenol
Concen: 132.728 ng
RT: 5.746 min Scan# 4
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:112 Resp: 31844

Ion	Ratio	Lower	Upper
112	100		
64	77.2	60.7	91.1
63	43.1	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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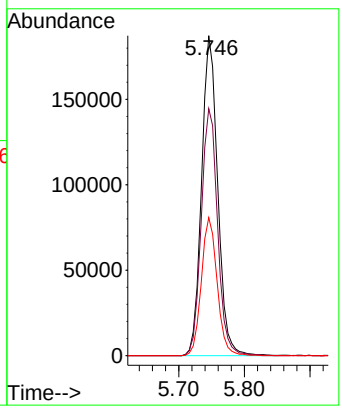
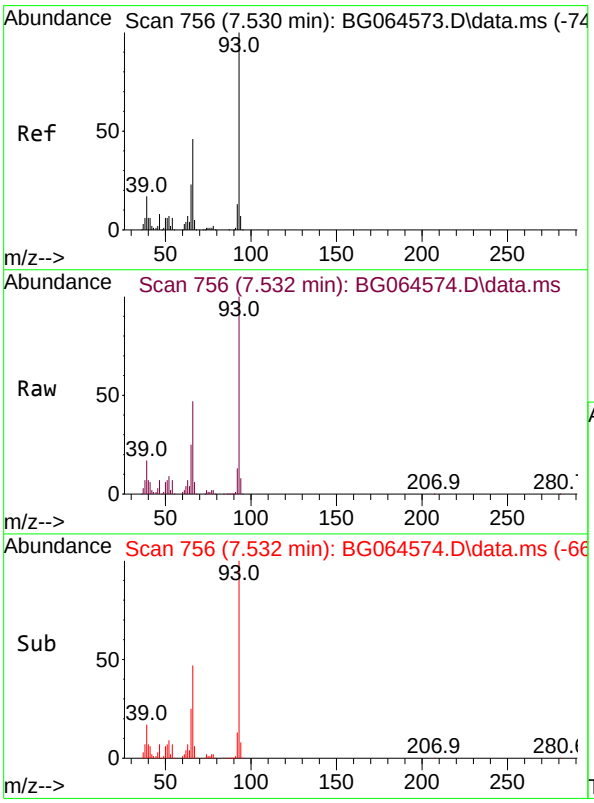
Supervised By :Jagrut Upadhyay 10/27/2025

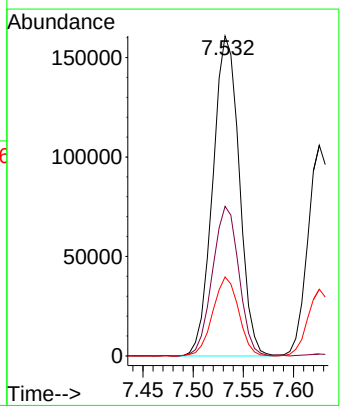


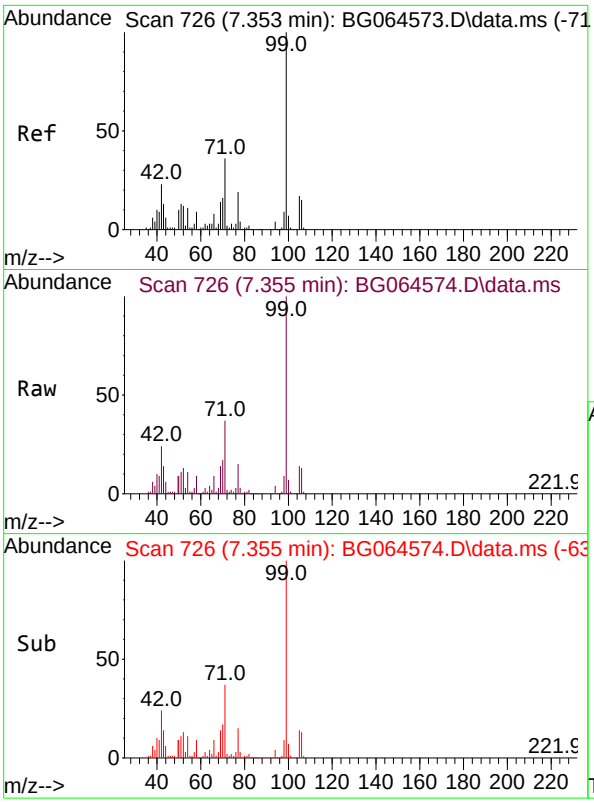


#6
Aniline
Concen: 65.803 ng
RT: 7.532 min Scan# 756
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 93 Resp: 294791

Ion	Ratio	Lower	Upper
93	100		
66	46.7	37.0	55.6
65	24.7	18.3	27.5

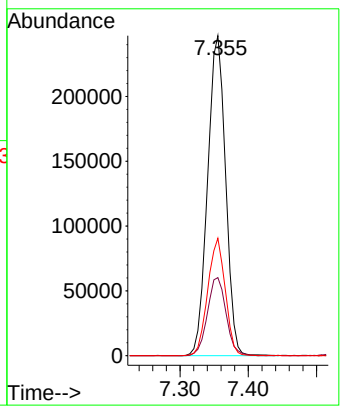




#7
Phenol-d6
Concen: 136.821 ng
RT: 7.355 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 99 Resp: 45044

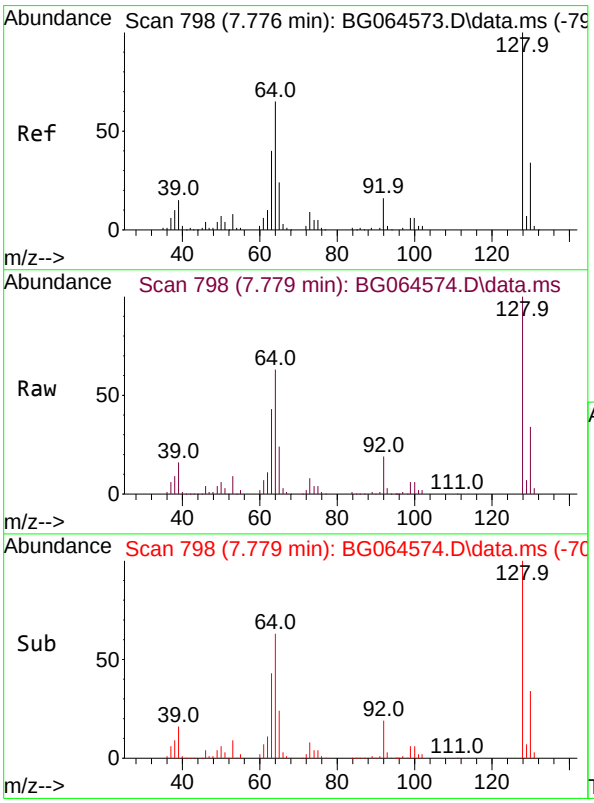
Ion	Ratio	Lower	Upper
99	100		
42	24.4	18.3	27.5
71	36.7	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

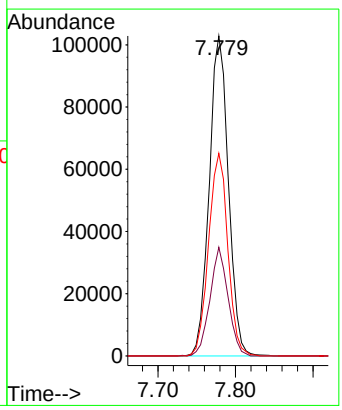
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

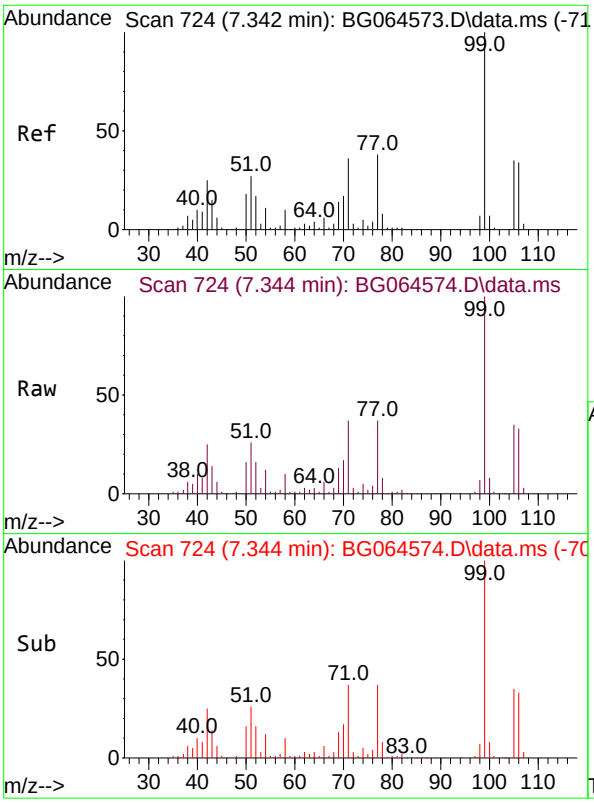


#8
2-Chlorophenol
Concen: 70.297 ng
RT: 7.779 min Scan# 798
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:128 Resp: 176533

Ion	Ratio	Lower	Upper
128	100		
130	33.9	13.5	53.5
64	63.3	45.2	85.2

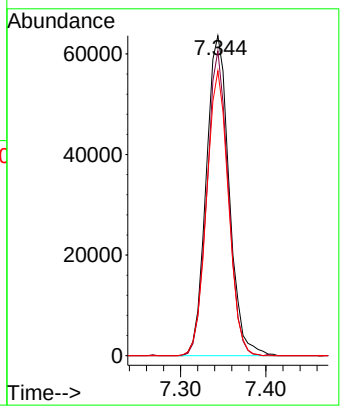




#9
Benzaldehyde
Concen: 65.963 ng
RT: 7.344 min Scan# 7
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 77 Resp: 11855

Ion	Ratio	Lower	Upper
77	100		
105	95.2	72.9	112.9
106	89.0	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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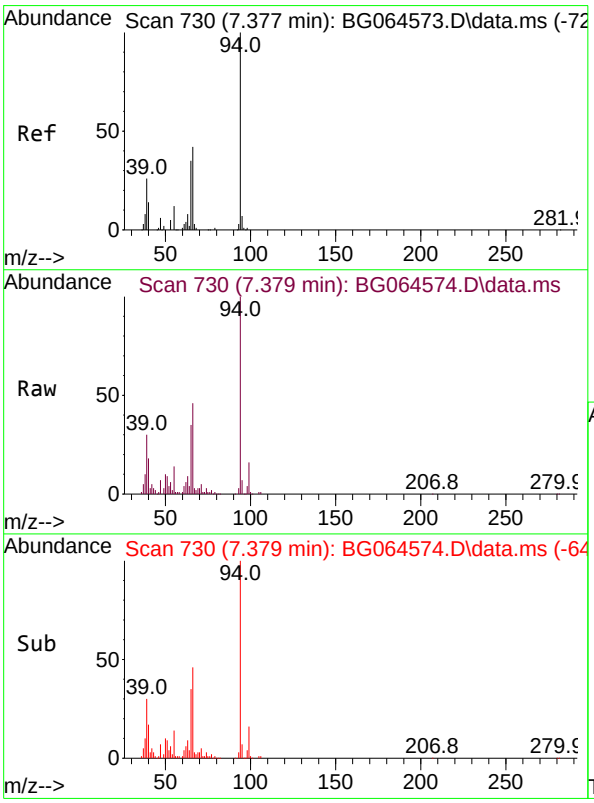
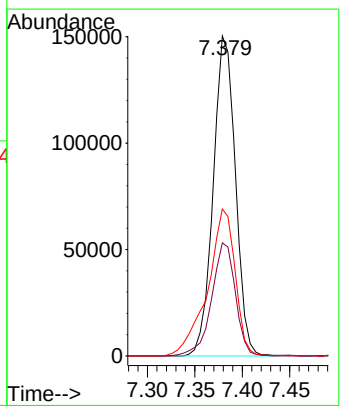
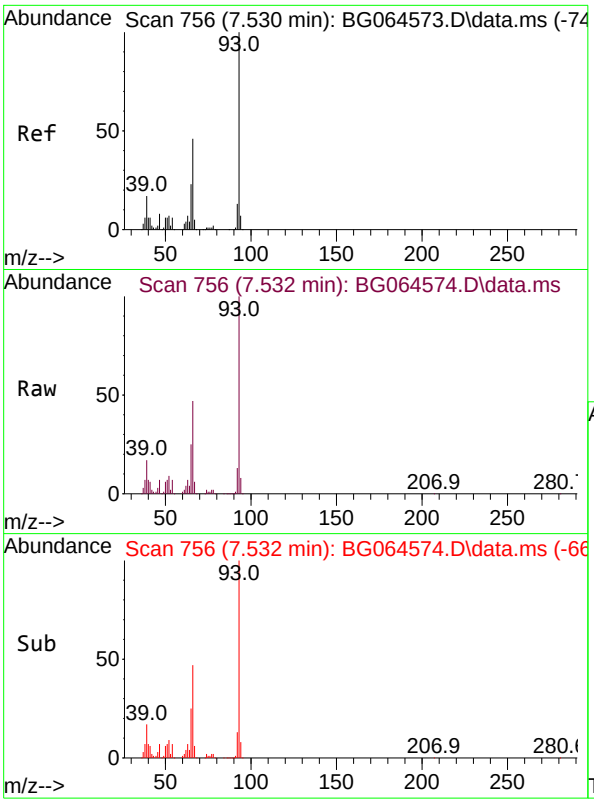


#10
Phenol
Concen: 67.267 ng
RT: 7.379 min Scan# 730
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 94 Resp: 244914

Ion	Ratio	Lower	Upper
94	100		
65	35.3	15.8	55.8
66	45.9	24.0	64.0

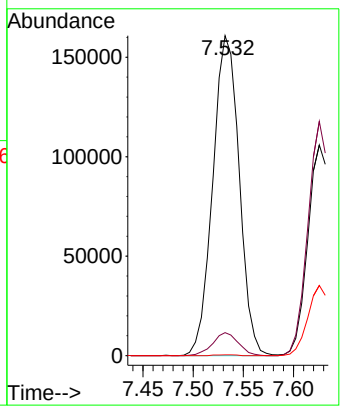




#11
bis(2-Chloroethyl)ether
Concen: 65.803 ng
RT: 7.532 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 93 Resp: 29479

Ion	Ratio	Lower	Upper
93	100		
63	7.2	0.0	27.4
95	0.2	0.0	20.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
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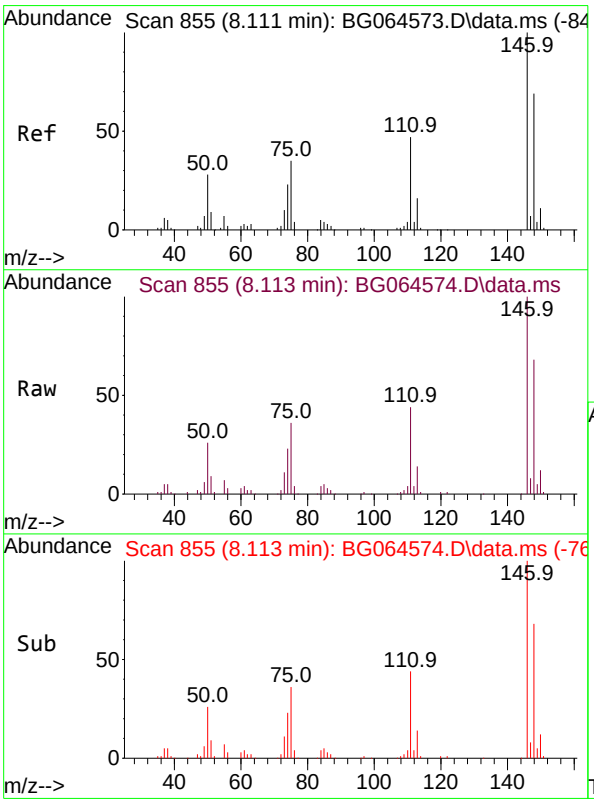
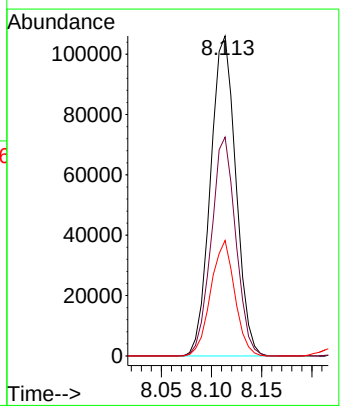
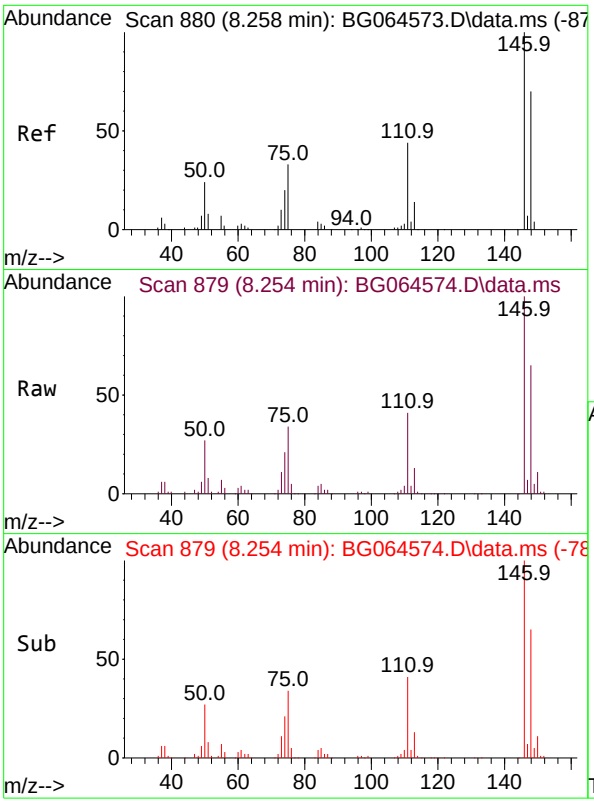


#12
1,3-Dichlorobenzene
Concen: 64.452 ng
RT: 8.113 min Scan# 855
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:146 Resp: 186290

Ion	Ratio	Lower	Upper
146	100		
148	68.4	55.3	82.9
75	36.1	28.2	42.2

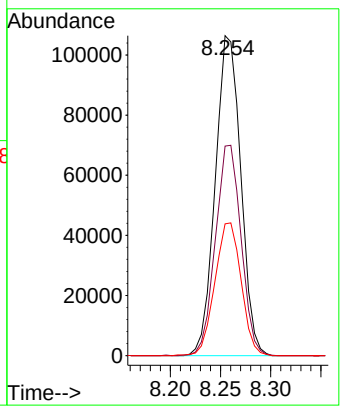




#13
1,4-Dichlorobenzene
Concen: 64.157 ng
RT: 8.254 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:146 Resp: 18855

Ion	Ratio	Lower	Upper
146	100		
148	65.5	56.2	84.4
111	41.2	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
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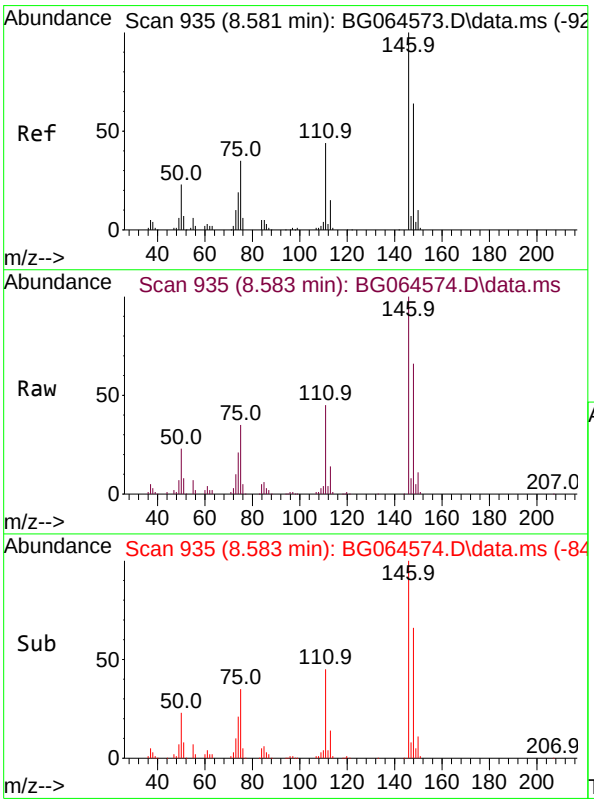
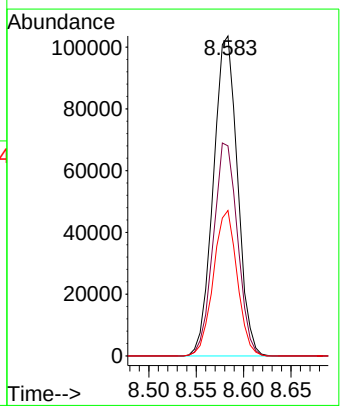
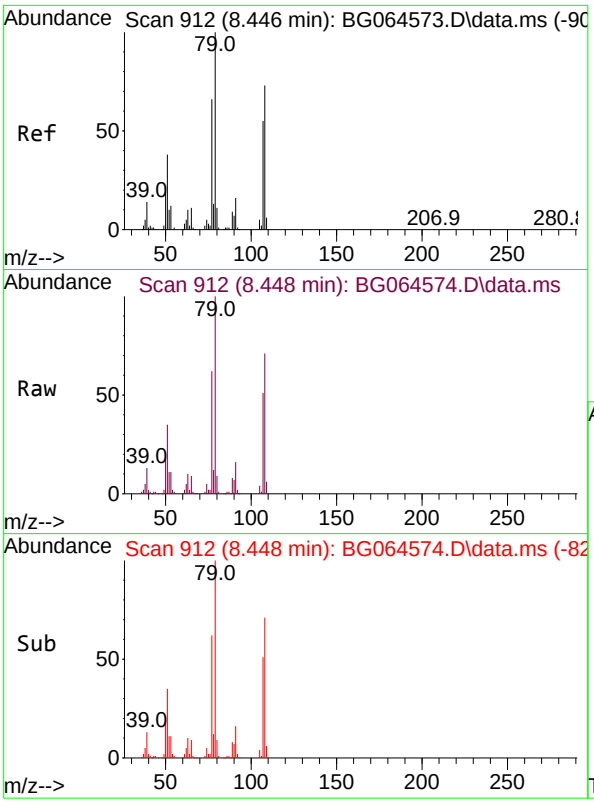


#14
1,2-Dichlorobenzene
Concen: 64.766 ng
RT: 8.583 min Scan# 935
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:146 Resp: 183593

Ion	Ratio	Lower	Upper
146	100		
148	65.6	51.5	77.3
111	45.4	35.0	52.6

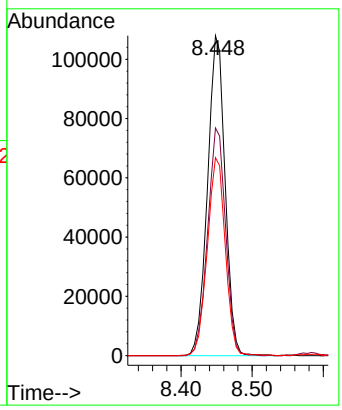




#15
Benzyl Alcohol
Concen: 68.201 ng
RT: 8.448 min Scan# 91
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 79 Resp: 18515

Ion	Ratio	Lower	Upper
79	100		
108	71.1	58.1	87.1
77	61.8	52.8	79.2



Instrument :
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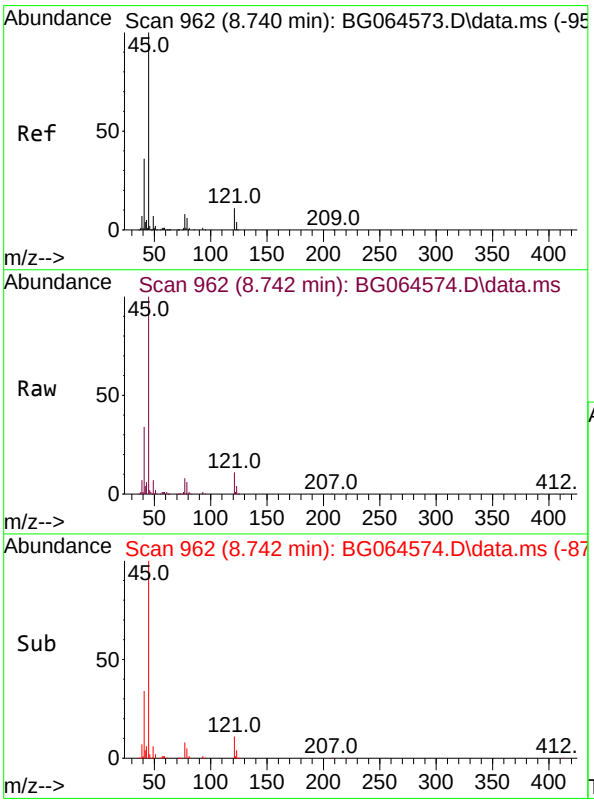
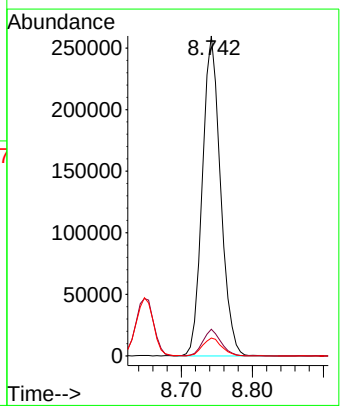
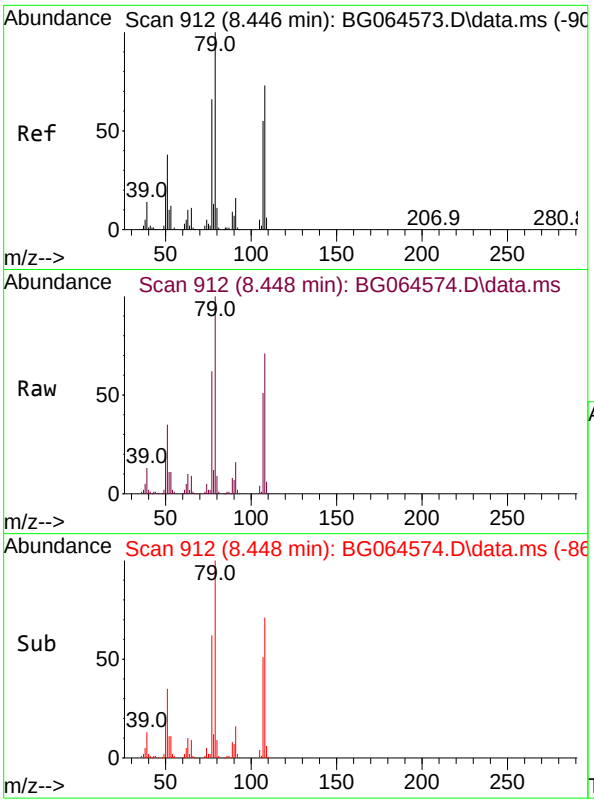


#16
2,2'-oxybis(1-Chloropropane)
Concen: 65.410 ng
RT: 8.742 min Scan# 962
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 45 Resp: 459295

Ion	Ratio	Lower	Upper
45	100		
77	8.3	0.0	28.5
79	5.6	0.0	25.6

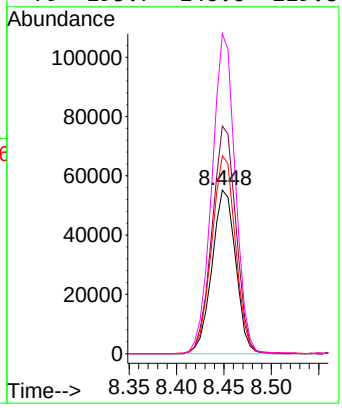




#17
2-Methylphenol
Concen: 70.639 ng
RT: 8.448 min Scan# 91
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:107 Resp: 9586

Ion	Ratio	Lower	Upper
107	100		
108	139.2	106.4	159.6
77	121.0	96.7	145.1
79	195.7	146.6	219.8



Instrument :
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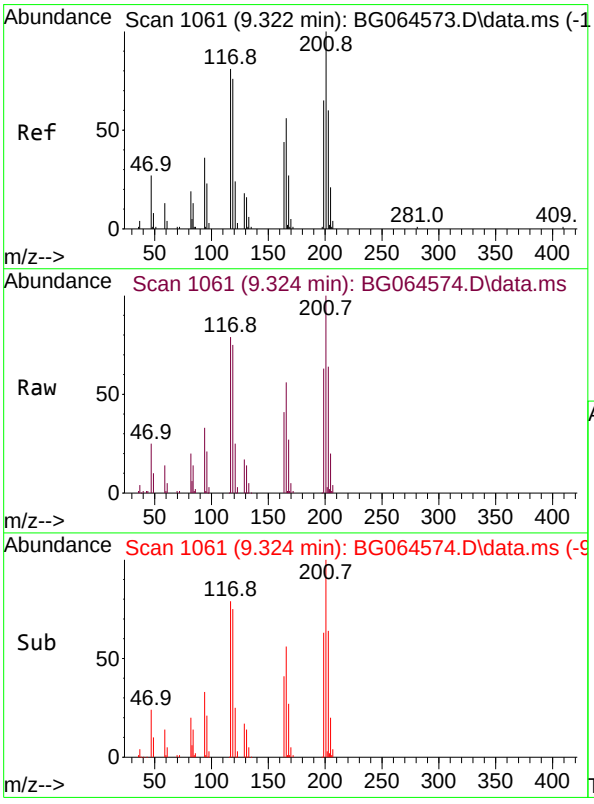
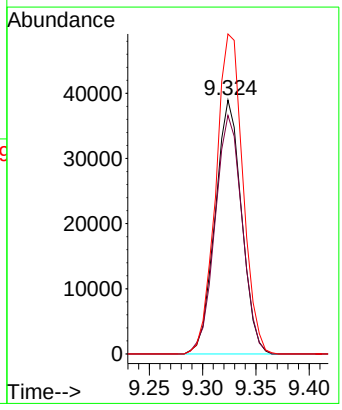
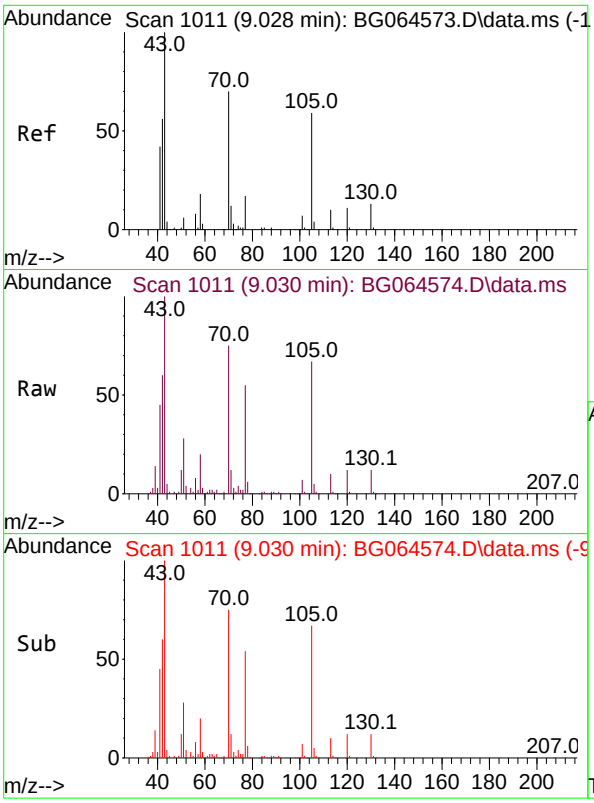


#18
Hexachloroethane
Concen: 65.193 ng
RT: 9.324 min Scan# 1061
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:117 Resp: 67237

Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.4	113.2
201	126.1	99.2	148.8

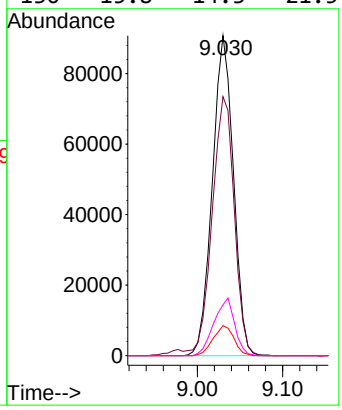




#19
n-Nitroso-di-n-propylamine
Concen: 68.424 ng
RT: 9.030 min Scan# 10
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 70 Resp: 15568

Ion	Ratio	Lower	Upper
70	100		
42	80.9	65.2	97.8
101	9.4	7.9	11.9
130	15.8	14.3	21.5



Instrument :
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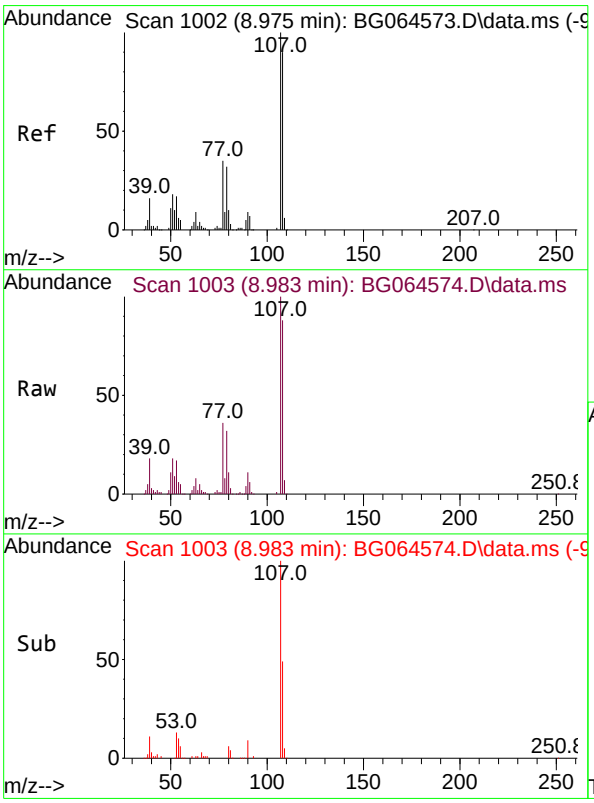
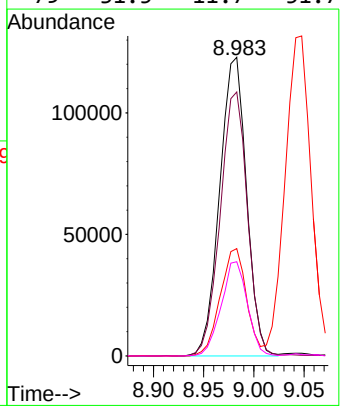
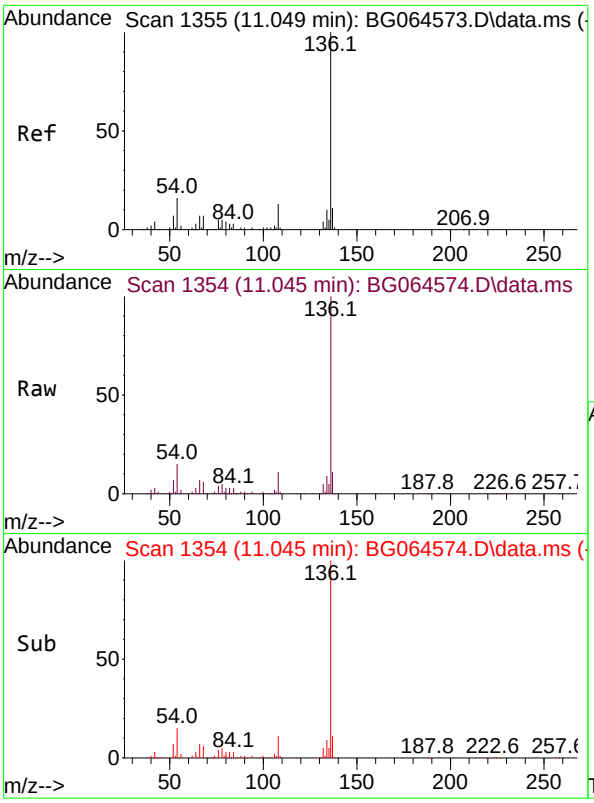


#20
3+4-Methylphenols
Concen: 67.359 ng
RT: 8.983 min Scan# 1003
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:107 Resp: 228995

Ion	Ratio	Lower	Upper
107	100		
108	88.4	70.3	110.3
77	35.9	14.6	54.6
79	31.5	11.7	51.7

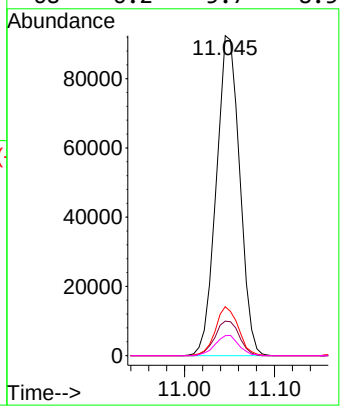




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:136 Resp: 16800

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	15.3	12.6	19.0
68	6.2	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
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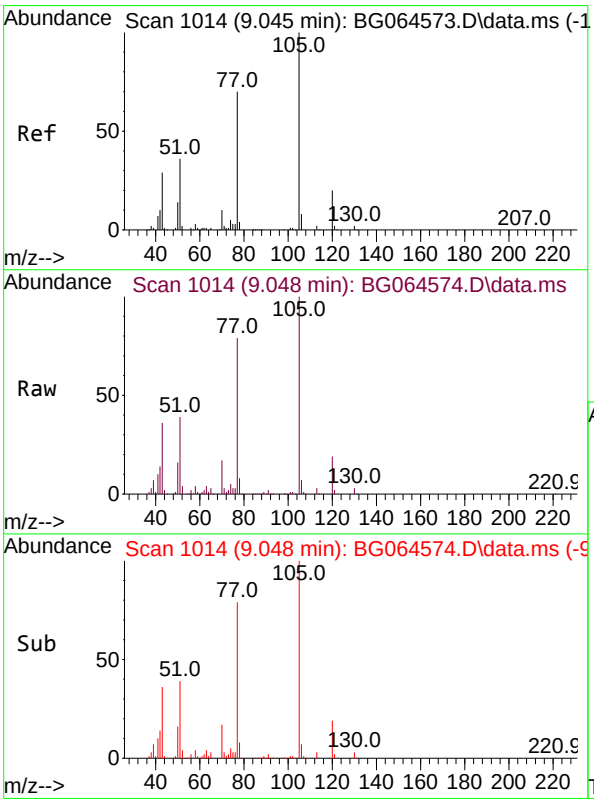
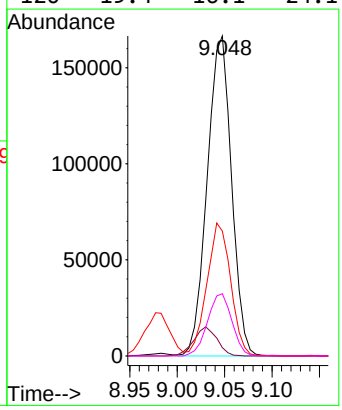
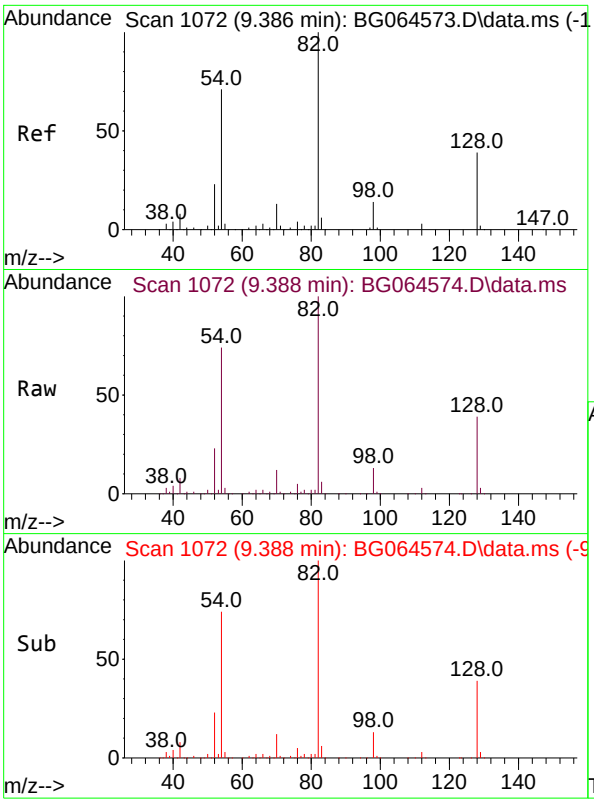


#22
Acetophenone
Concen: 64.759 ng
RT: 9.048 min Scan# 1014
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:105 Resp: 297413

Ion	Ratio	Lower	Upper
105	100		
71	2.6	1.5	2.3#
51	39.0	33.7	50.5
120	19.4	16.1	24.1

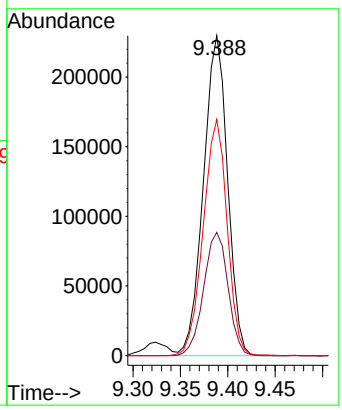




#23
Nitrobenzene-d5
Concen: 145.243 ng
RT: 9.388 min Scan# 10
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 82 Resp: 40626

Ion	Ratio	Lower	Upper
82	100		
128	38.5	31.3	46.9
54	73.8	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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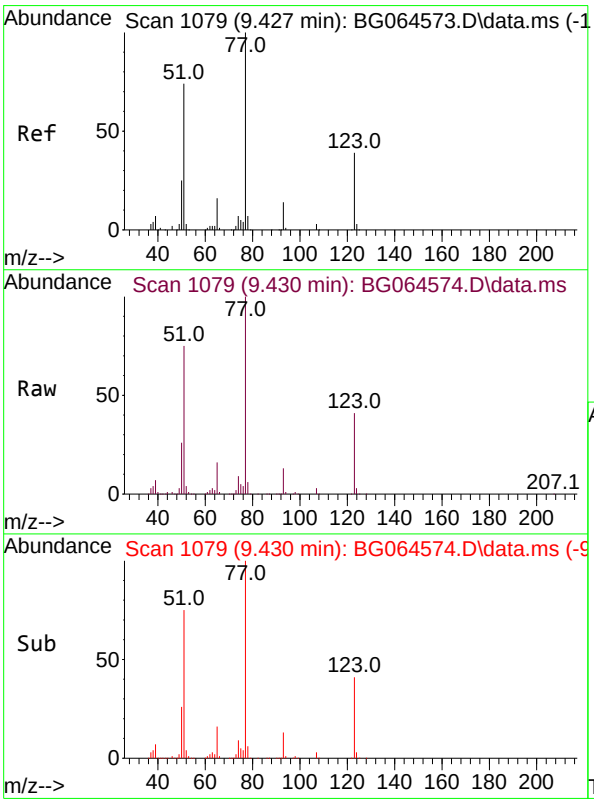
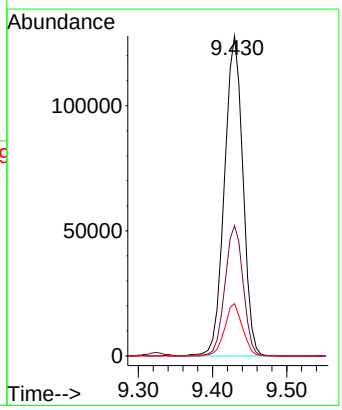
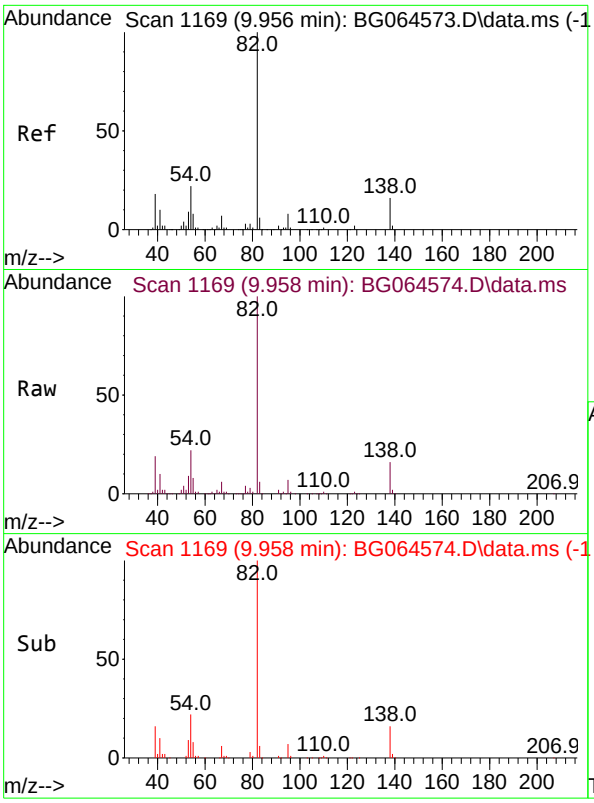


#24
Nitrobenzene
Concen: 72.567 ng
RT: 9.430 min Scan# 1079
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 77 Resp: 220774

Ion	Ratio	Lower	Upper
77	100		
123	40.7	31.0	46.6
65	16.3	12.7	19.1

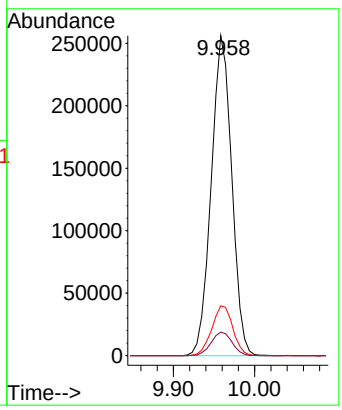




#25
Isophorone
Concen: 66.940 ng
RT: 9.958 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 82 Resp: 449298

Ion	Ratio	Lower	Upper
82	100		
95	7.3	6.1	9.1
138	15.6	13.0	19.4



Instrument :
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ClientSampleId :
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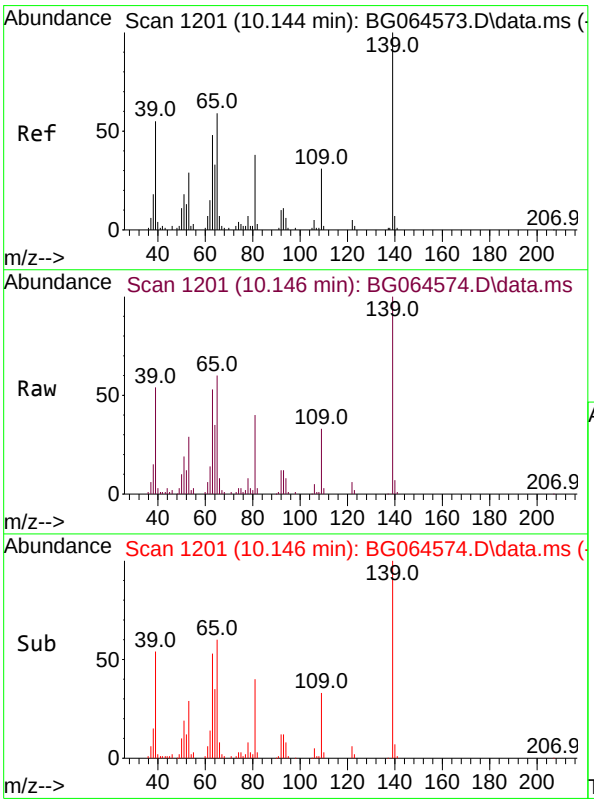
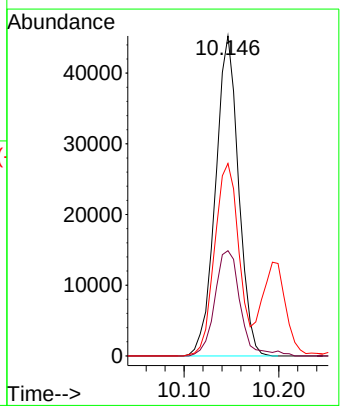
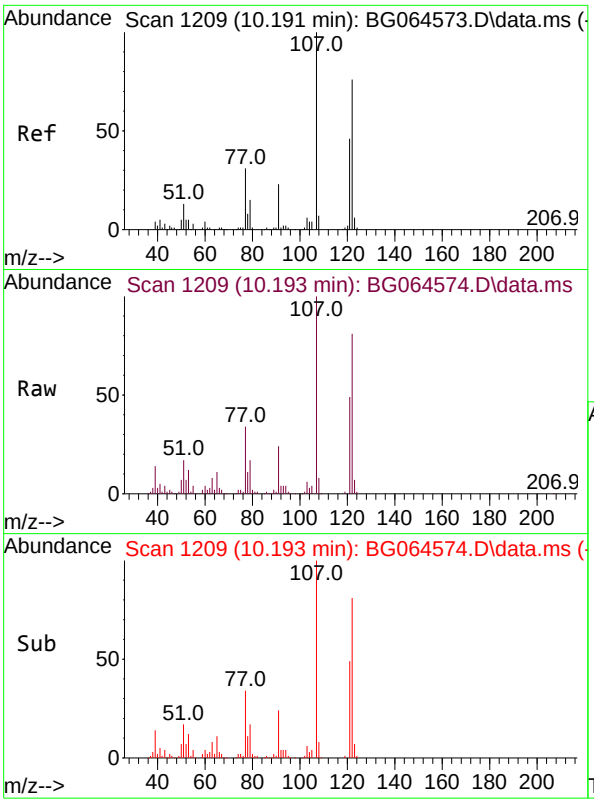


#26
2-Nitrophenol
Concen: 63.945 ng
RT: 10.146 min Scan# 1201
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:139 Resp: 76368

Ion	Ratio	Lower	Upper
139	100		
109	32.9	24.6	37.0
65	60.1	47.5	71.3

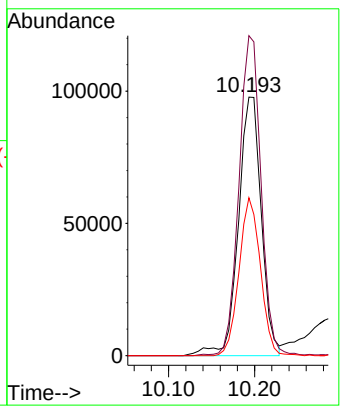




#27
2,4-Dimethylphenol
Concen: 71.099 ng m
RT: 10.193 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:122 Resp: 18106

Ion	Ratio	Lower	Upper
122	100		
107	123.8	103.0	154.4
121	61.1	47.8	71.8



Instrument :
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ClientSampleId :
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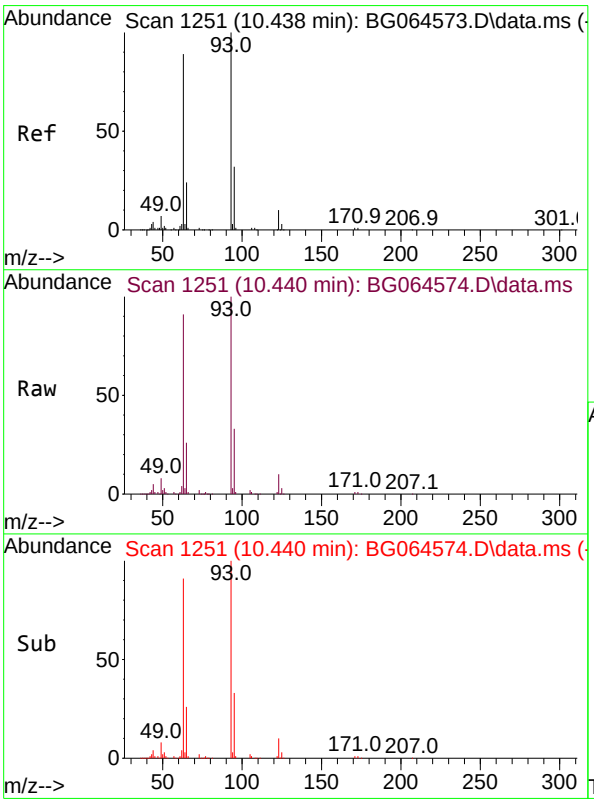
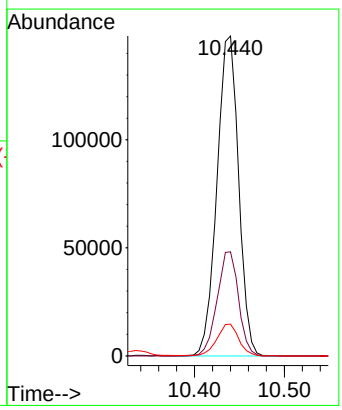
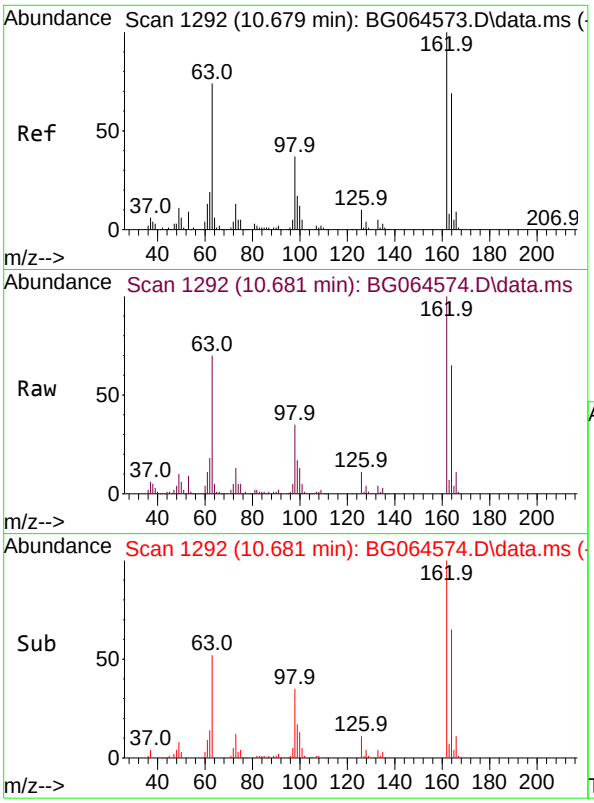


#28
bis(2-Chloroethoxy)methane
Concen: 65.078 ng
RT: 10.440 min Scan# 1251
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 93 Resp: 248699

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.4	38.2
123	9.9	8.4	12.6

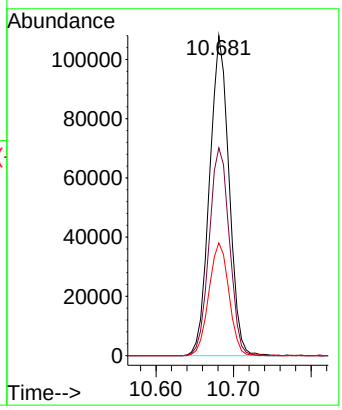




#29
2,4-Dichlorophenol
Concen: 70.056 ng
RT: 10.681 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:162 Resp: 18823

Ion	Ratio	Lower	Upper
162	100		
164	64.9	48.7	88.7
98	35.2	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
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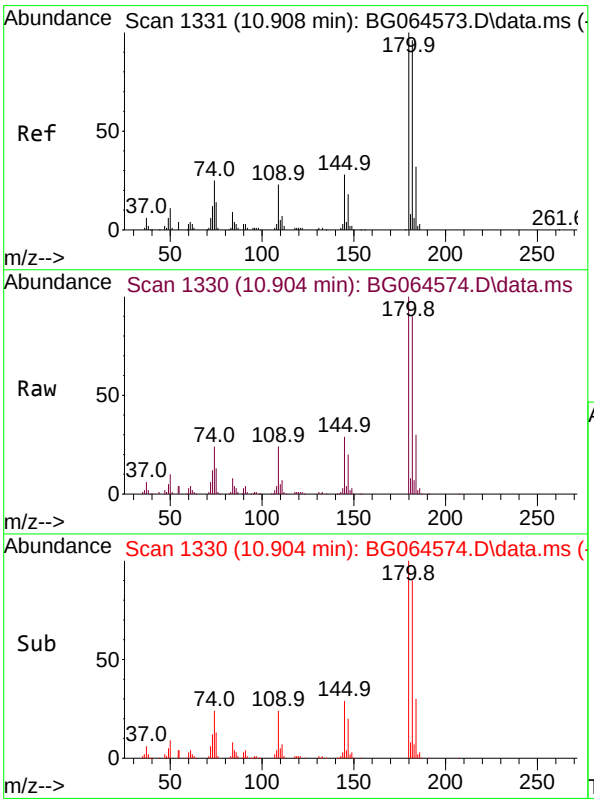
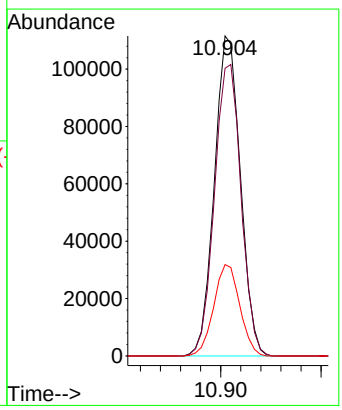
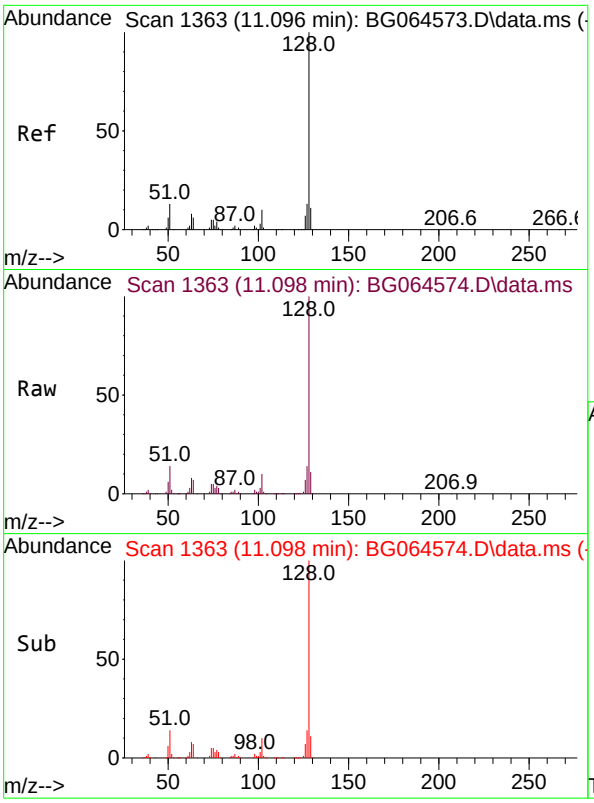


#30
1,2,4-Trichlorobenzene
Concen: 65.837 ng
RT: 10.904 min Scan# 1330
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:180 Resp: 200988

Ion	Ratio	Lower	Upper
180	100		
182	89.9	76.9	115.3
145	28.5	22.1	33.1

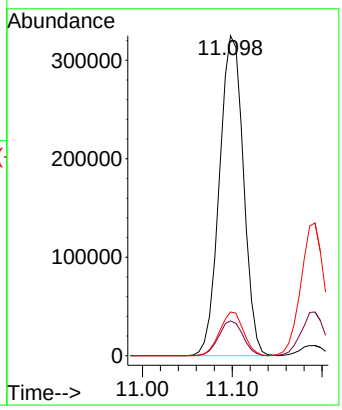




#31
Naphthalene
Concen: 64.976 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:128 Resp: 60523

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.6	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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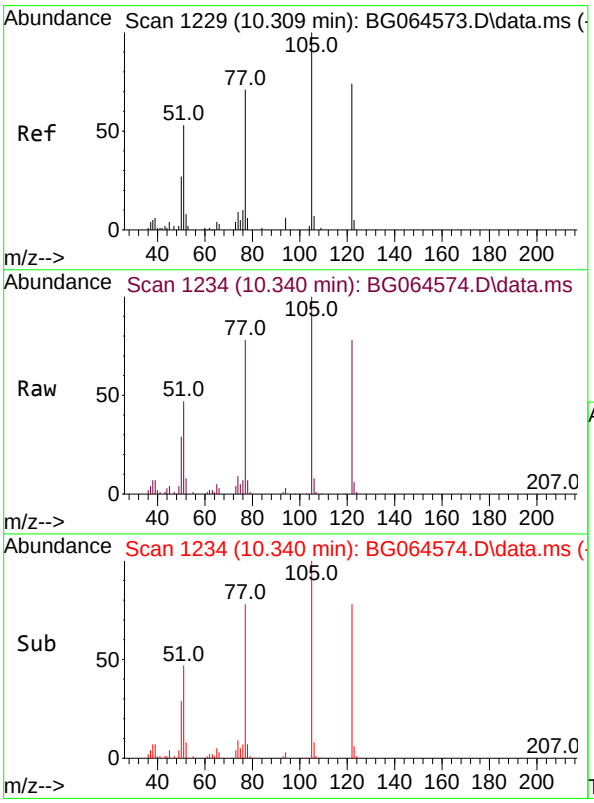
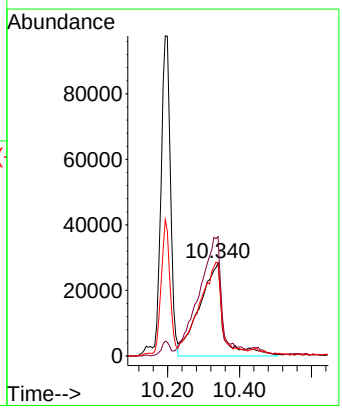
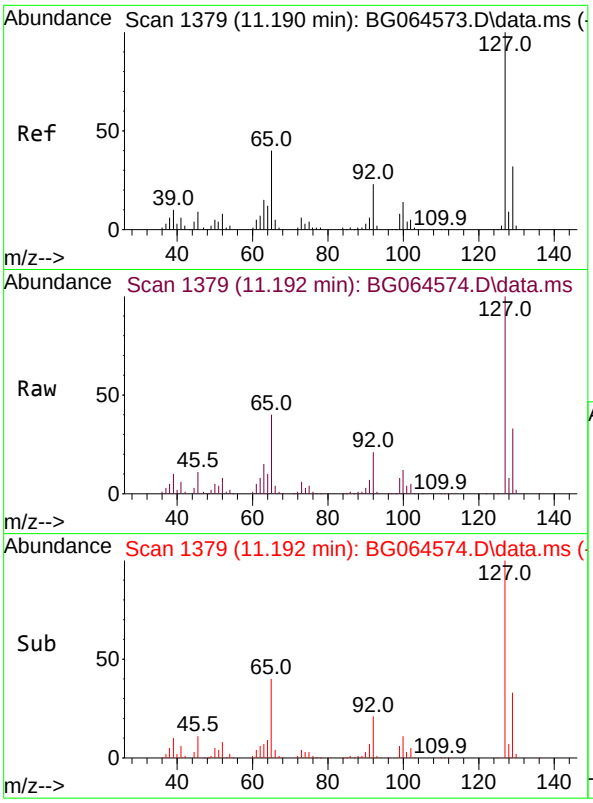


#32
Benzoic acid
Concen: 68.067 ng m
RT: 10.340 min Scan# 1234
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:122 Resp: 131162

Ion	Ratio	Lower	Upper
122	100		
105	128.3	104.2	144.2
77	99.8	70.2	110.2

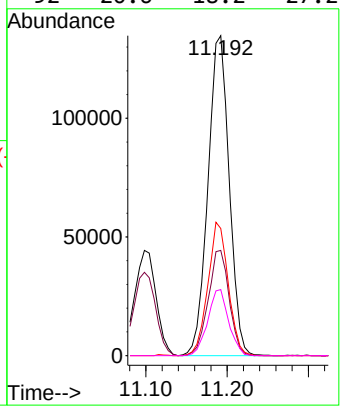




#33
4-Chloroaniline
Concen: 67.699 ng
RT: 11.192 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:127 Resp: 245101

Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.5	38.3
65	39.7	32.2	48.4
92	20.6	18.2	27.2



Instrument :
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ClientSampleId :
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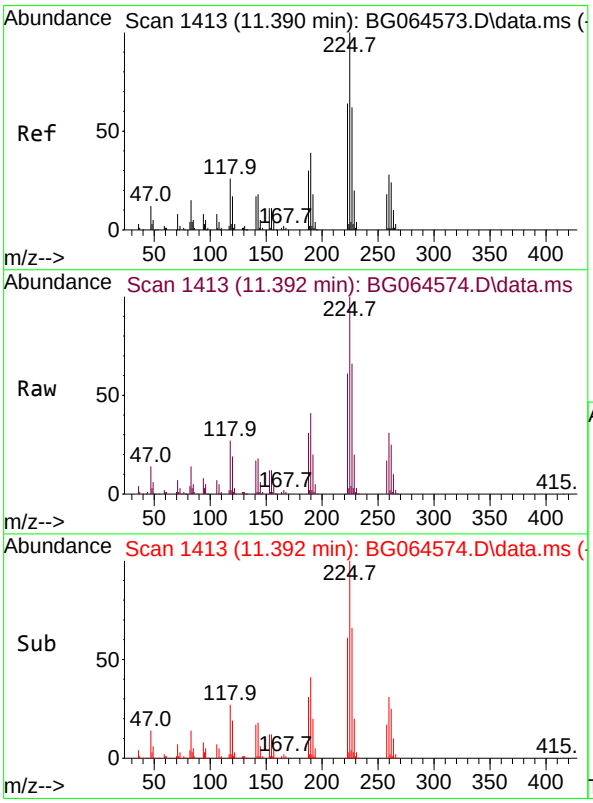
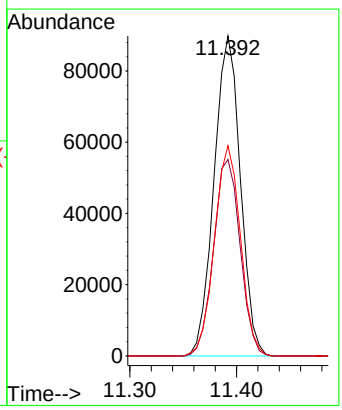
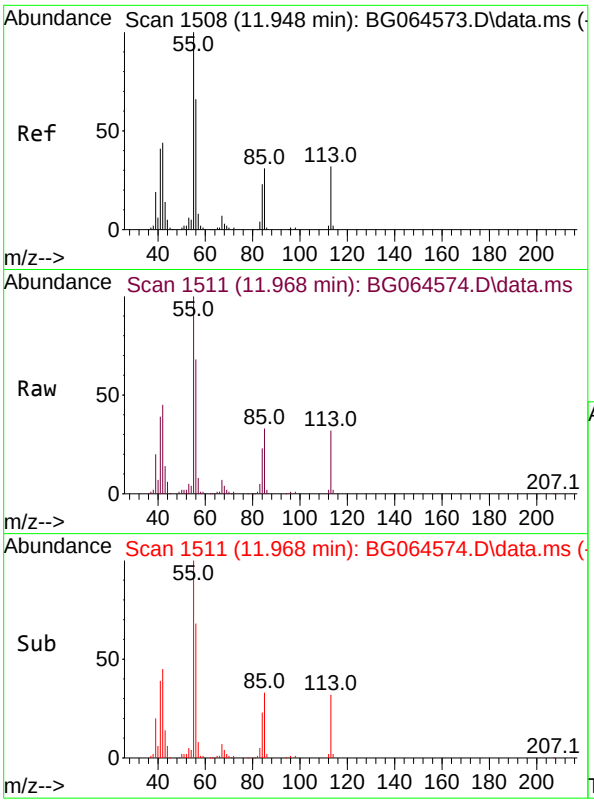


#34
Hexachlorobutadiene
Concen: 64.630 ng
RT: 11.392 min Scan# 1413
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:225 Resp: 154303

Ion	Ratio	Lower	Upper
225	100		
223	61.4	48.8	73.2
227	65.7	49.5	74.3

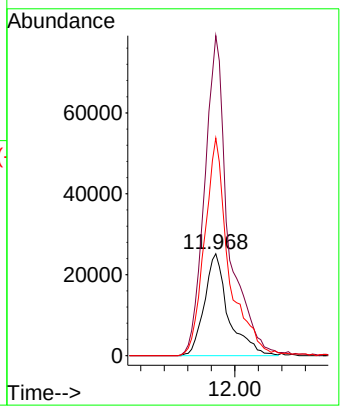




#35
Caprolactam
Concen: 69.206 ng
RT: 11.968 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:113 Resp: 7131

Ion	Ratio	Lower	Upper
113	100		
55	314.3	290.1	330.1
56	213.7	183.8	223.8



Instrument :
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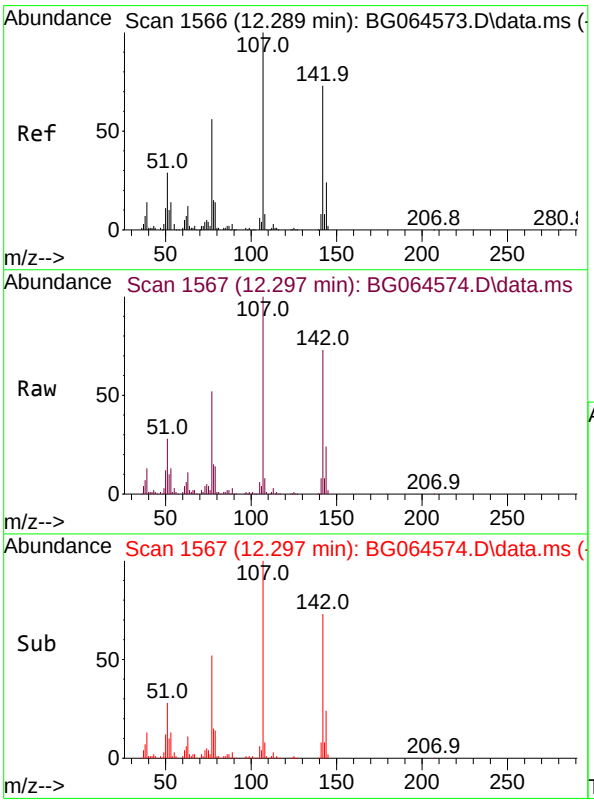
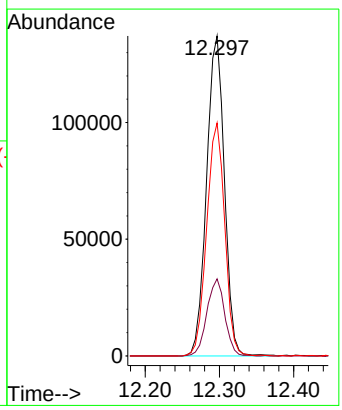
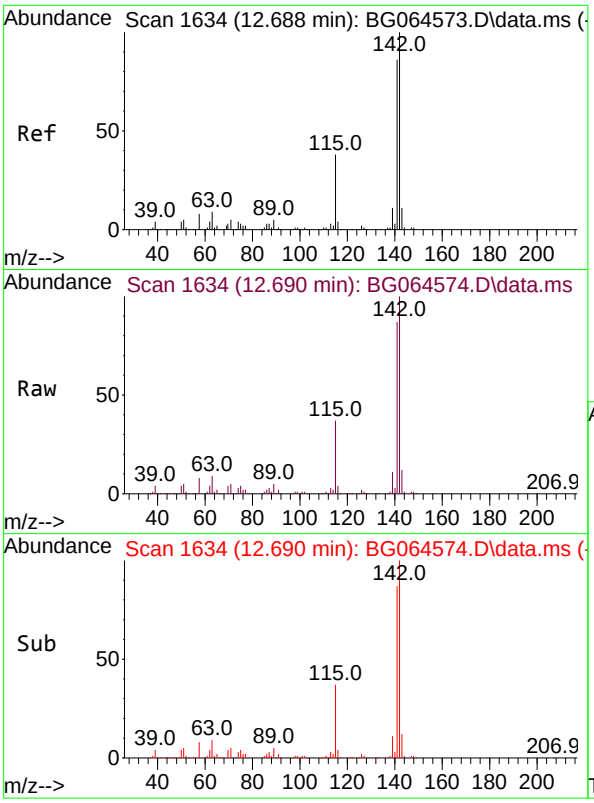


#36
4-Chloro-3-methylphenol
Concen: 70.853 ng
RT: 12.297 min Scan# 1567
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:107 Resp: 228833

Ion	Ratio	Lower	Upper
107	100		
144	24.1	19.1	28.7
142	72.8	58.6	87.8

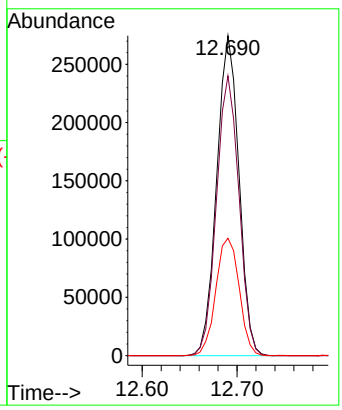




#37
2-Methylnaphthalene
Concen: 65.435 ng
RT: 12.690 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:142 Resp: 44749

Ion	Ratio	Lower	Upper
142	100		
141	87.4	68.9	103.3
115	36.7	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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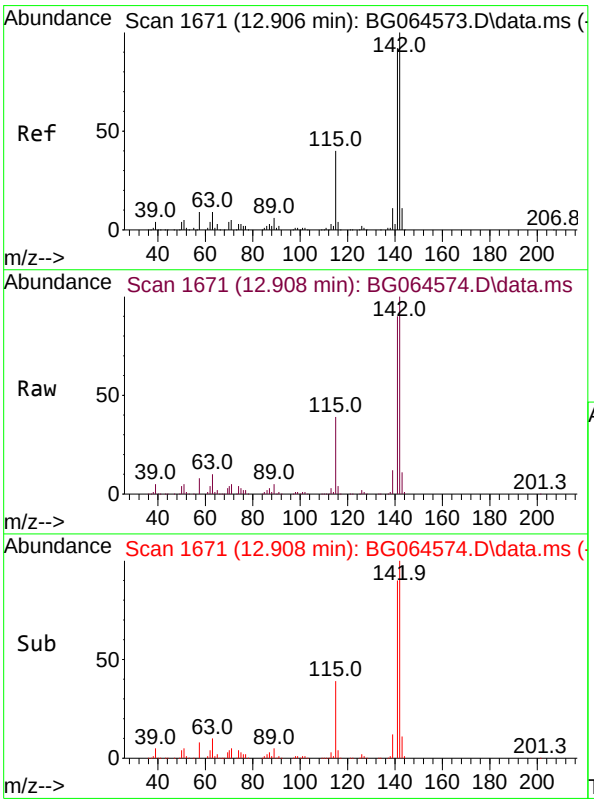
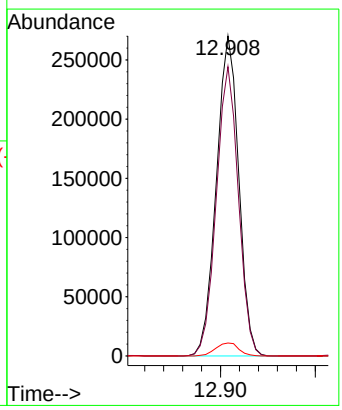
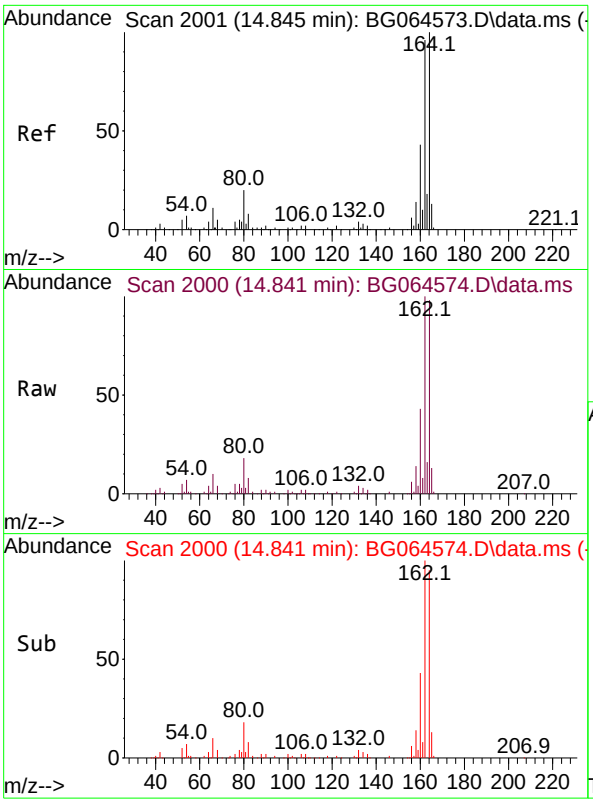


#38
1-Methylnaphthalene
Concen: 65.785 ng
RT: 12.908 min Scan# 1671
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:142 Resp: 442677

Ion	Ratio	Lower	Upper
142	100		
141	90.4	73.3	109.9
116	4.0	3.1	4.7

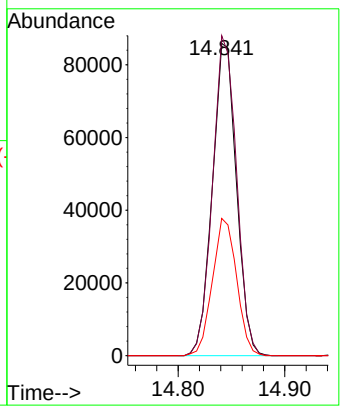




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.841 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:164 Resp: 13499

Ion	Ratio	Lower	Upper
164	100		
162	102.5	77.0	115.6
160	43.9	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
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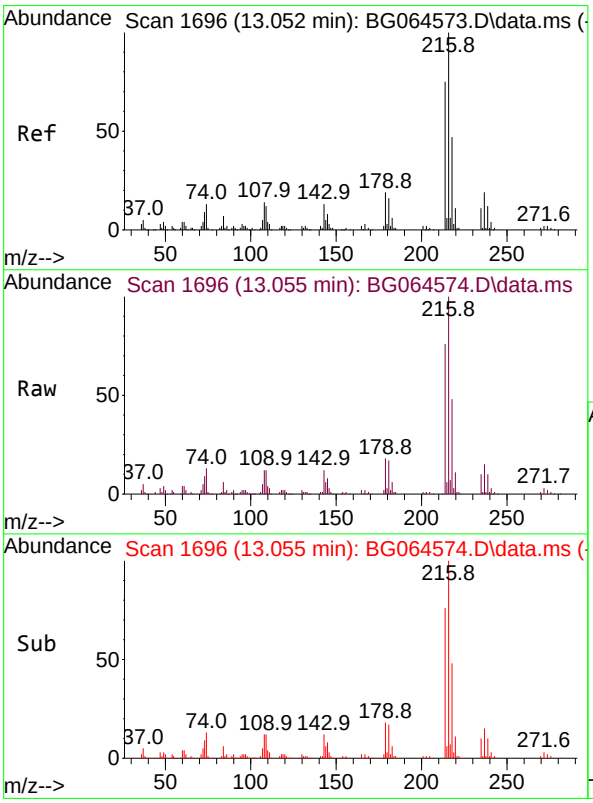
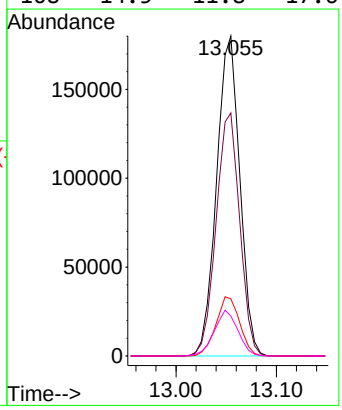
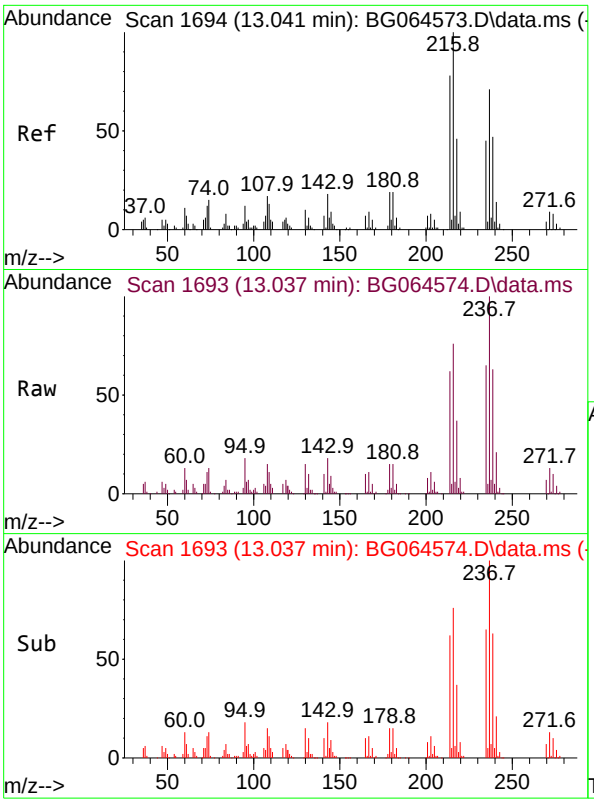


#40
1,2,4,5-Tetrachlorobenzene
Concen: 64.049 ng
RT: 13.055 min Scan# 1696
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:216 Resp: 290173

Ion	Ratio	Lower	Upper
216	100		
214	77.0	61.4	92.2
179	18.8	15.4	23.0
108	14.5	11.8	17.6

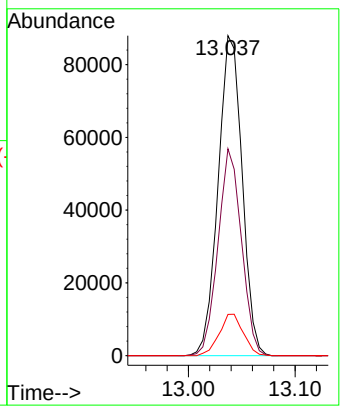




#41
Hexachlorocyclopentadiene
Concen: 67.540 ng
RT: 13.037 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:237 Resp: 13772

Ion	Ratio	Lower	Upper
237	100		
235	64.6	44.1	84.1
272	12.9	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
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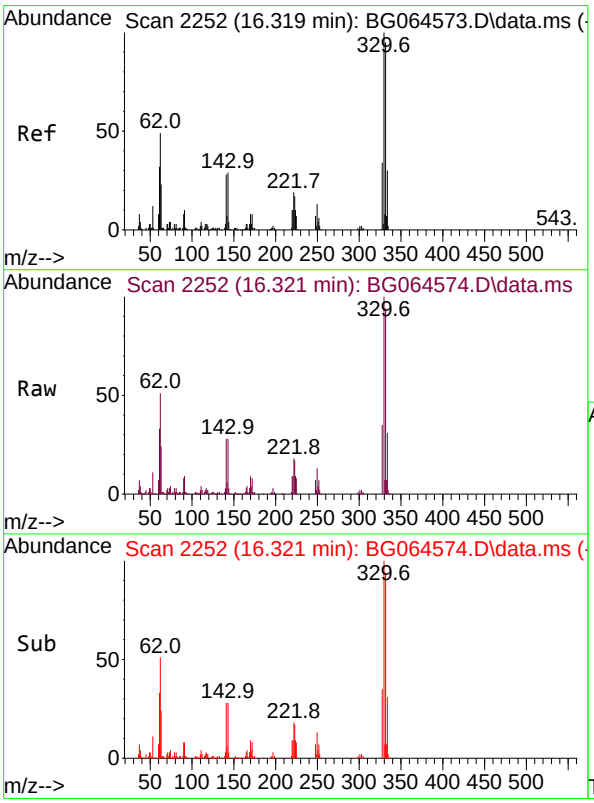
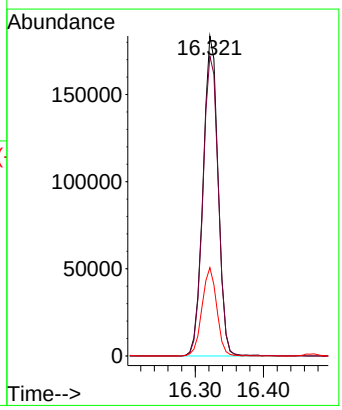
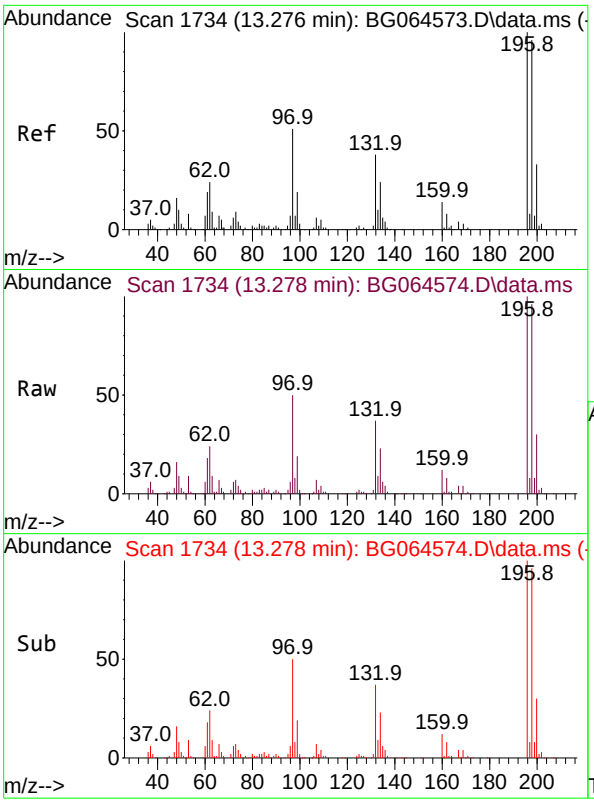


#42
2,4,6-Tribromophenol
Concen: 143.807 ng
RT: 16.321 min Scan# 2252
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:330 Resp: 280190

Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.0	117.0
141	27.0	21.8	32.6





#43
2,4,6-Trichlorophenol
Concen: 71.299 ng
RT: 13.278 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:196 Resp: 18477

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.6	115.0
200	30.4	26.0	39.0

Instrument :
BNA_G
ClientSampleId :
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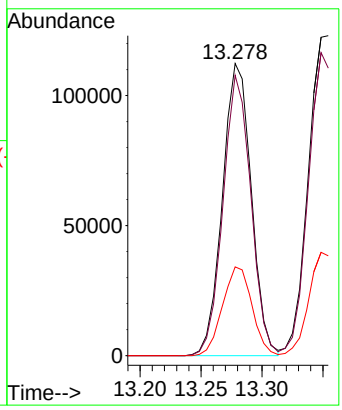
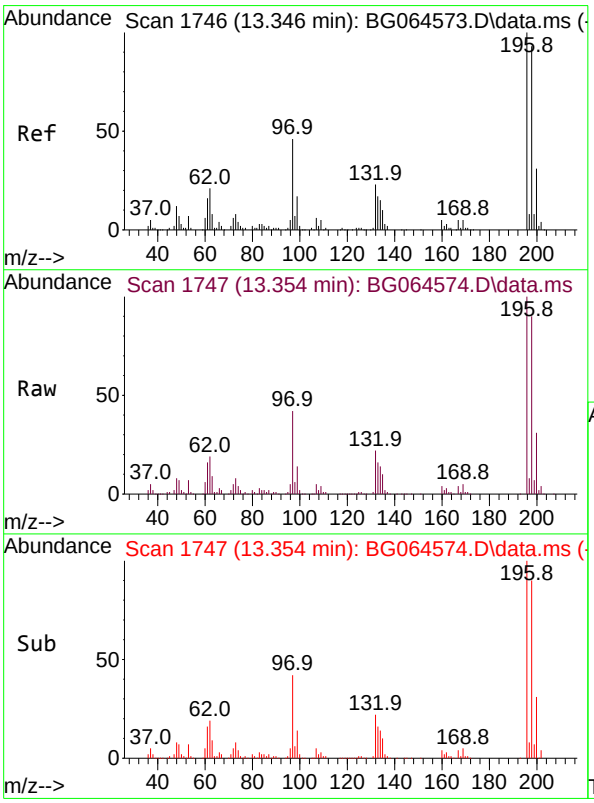
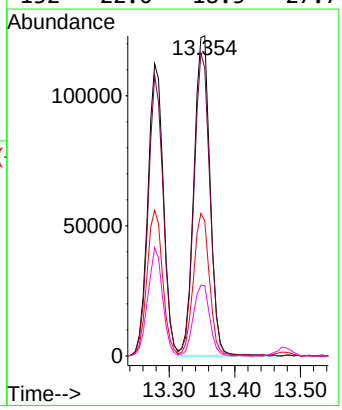


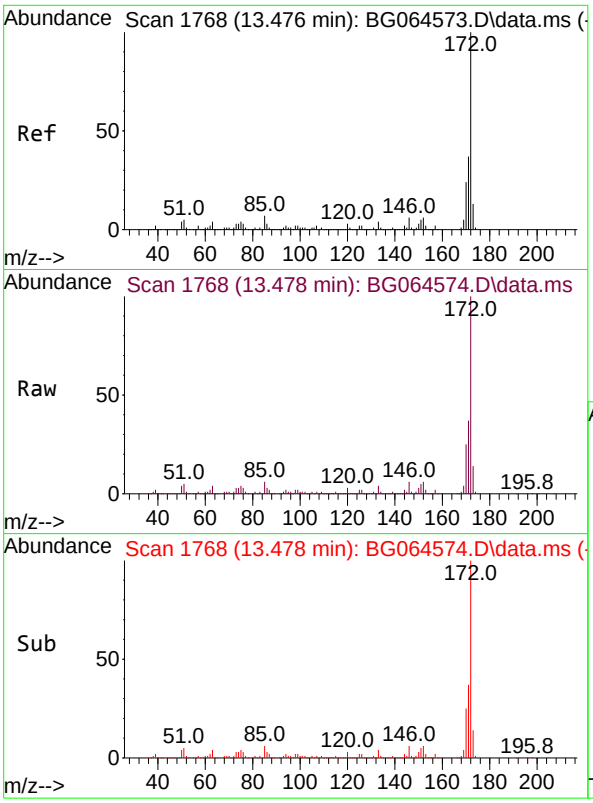


#44
2,4,5-Trichlorophenol
Concen: 69.994 ng
RT: 13.354 min Scan# 1747
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:196 Resp: 209320

Ion	Ratio	Lower	Upper
196	100		
198	89.8	74.2	111.4
97	42.2	37.0	55.6
132	22.0	18.5	27.7

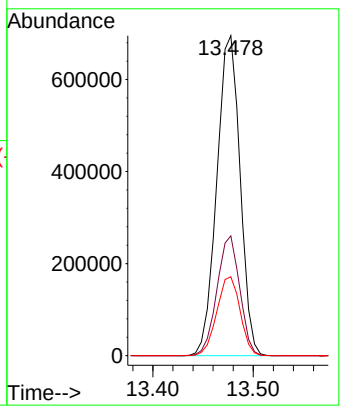




#45
2-Fluorobiphenyl
Concen: 125.867 ng
RT: 13.478 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:172 Resp: 1120989

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.4	44.0
170	24.6	19.1	28.7



Instrument :
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ClientSampleId :
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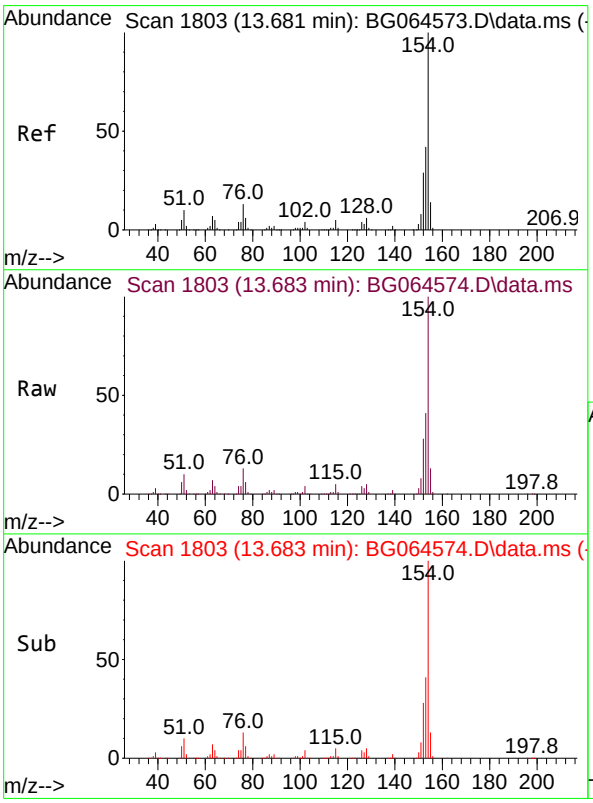
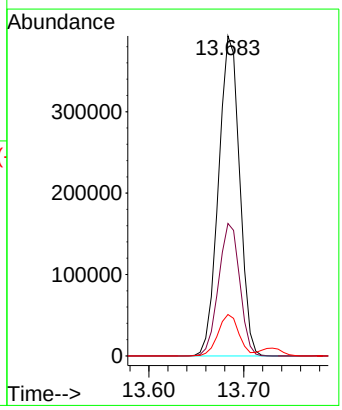
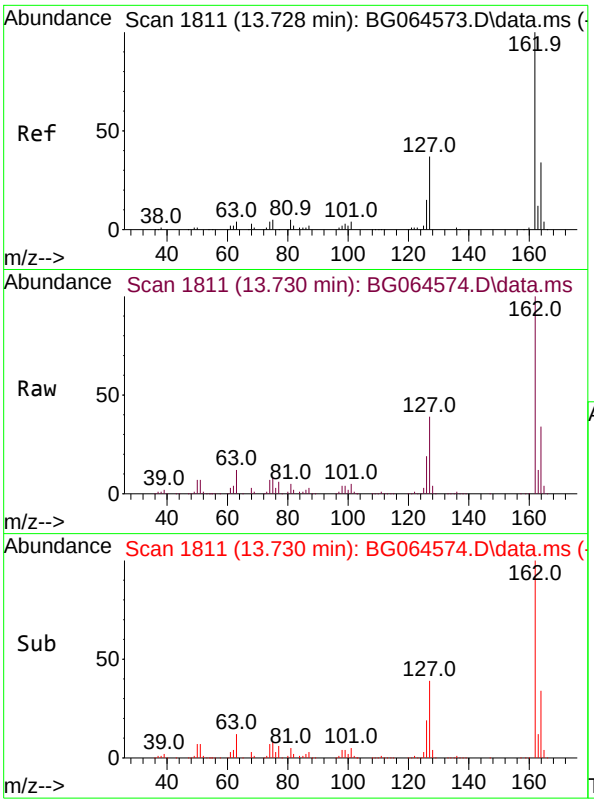


#46
1,1'-Biphenyl
Concen: 63.233 ng
RT: 13.683 min Scan# 1803
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:154 Resp: 606860

Ion	Ratio	Lower	Upper
154	100		
153	41.4	22.4	62.4
76	12.9	0.0	33.5

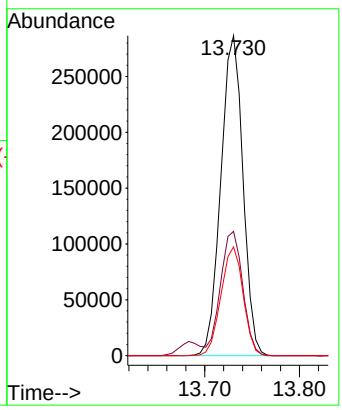




#47
2-Chloronaphthalene
Concen: 64.022 ng
RT: 13.730 min Scan# 18
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:162 Resp: 463791

Ion	Ratio	Lower	Upper
162	100		
127	38.8	32.2	48.2
164	34.0	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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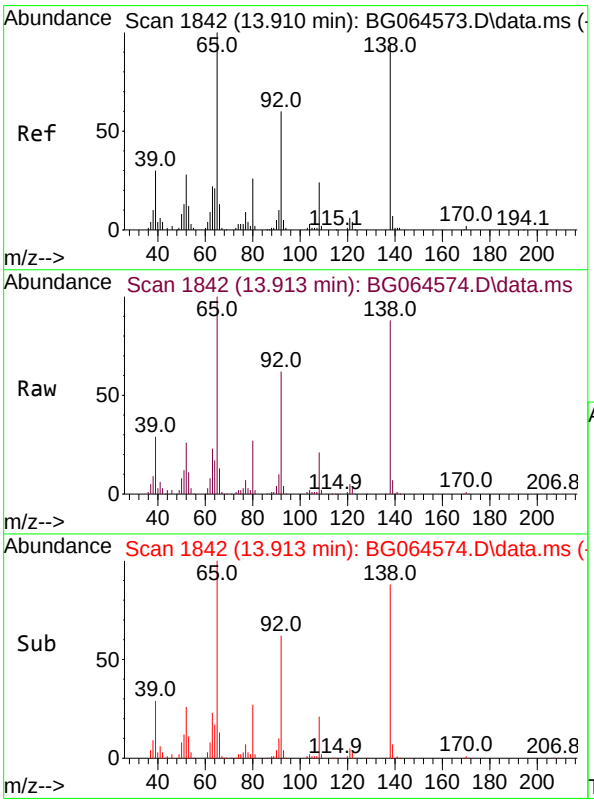
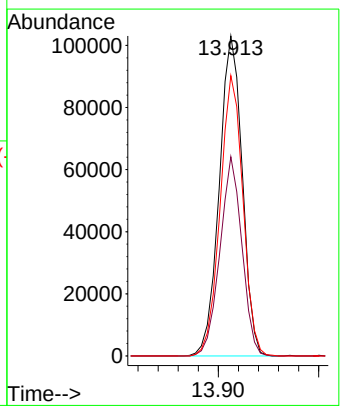
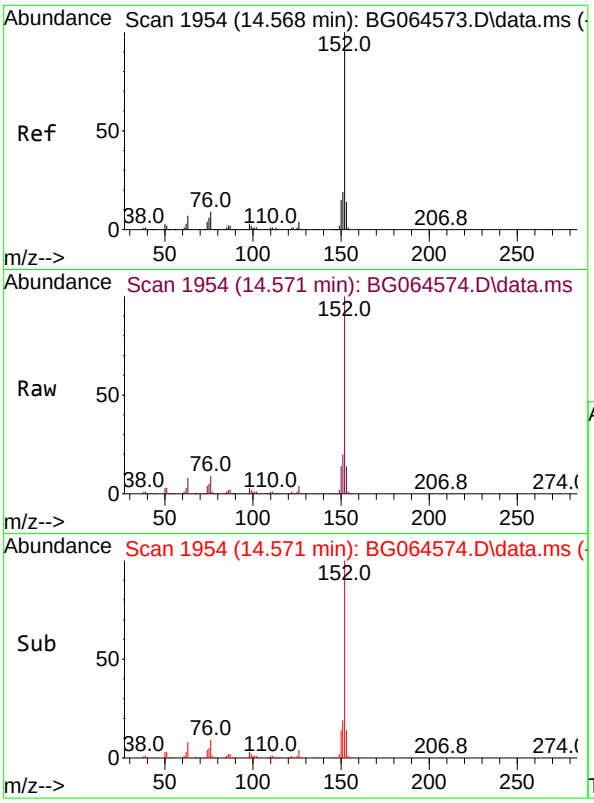


#48
2-Nitroaniline
Concen: 66.052 ng
RT: 13.913 min Scan# 1842
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 65 Resp: 163796

Ion	Ratio	Lower	Upper
65	100		
92	62.2	48.3	72.5
138	87.6	74.9	112.3

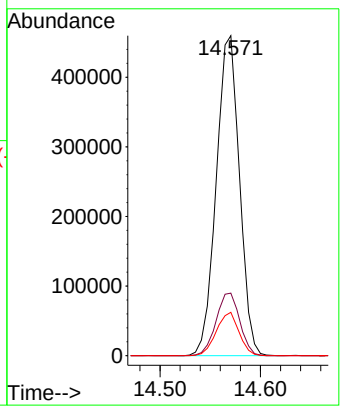




#49
Acenaphthylene
Concen: 64.738 ng
RT: 14.571 min Scan# 19
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:152 Resp: 739728

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.2
153	13.5	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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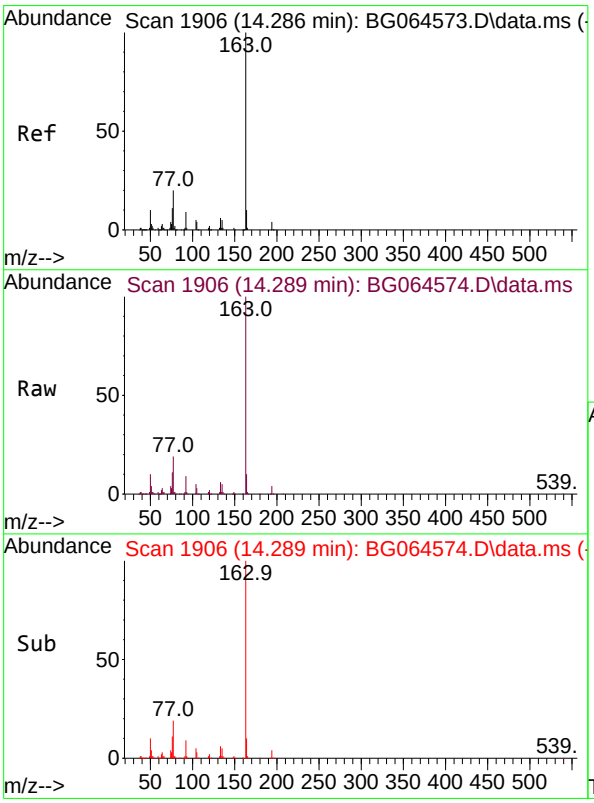
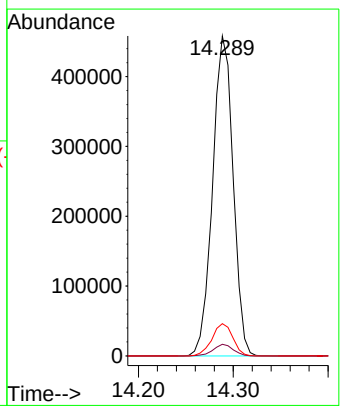
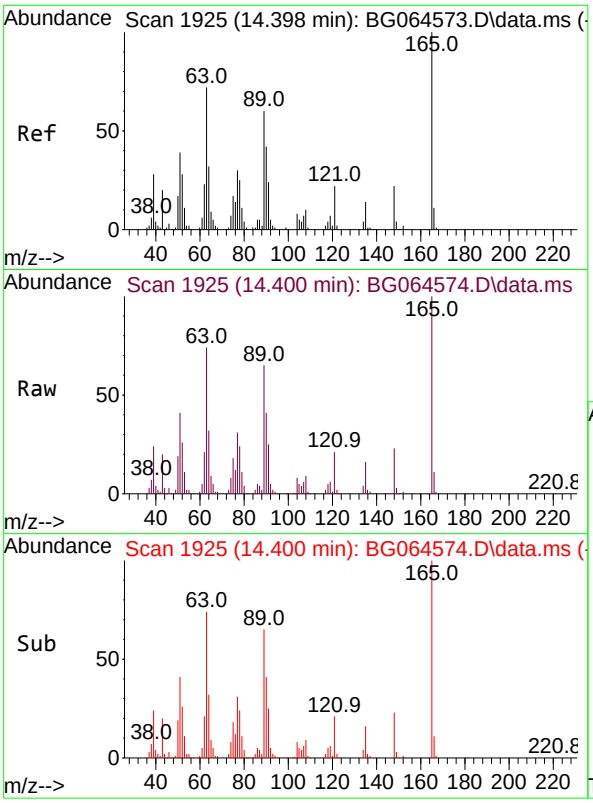


#50
Dimethylphthalate
Concen: 66.616 ng
RT: 14.289 min Scan# 1906
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:163 Resp: 688128

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.1	7.7	11.5

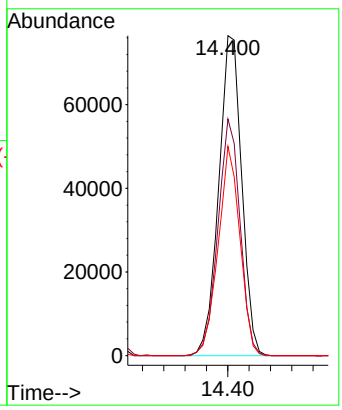




#51
2,6-Dinitrotoluene
Concen: 65.951 ng
RT: 14.400 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:165 Resp: 114588

Ion	Ratio	Lower	Upper
165	100		
63	73.9	57.4	86.0
89	65.4	47.8	71.8



Instrument :
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ClientSampleId :
SSTDICC060

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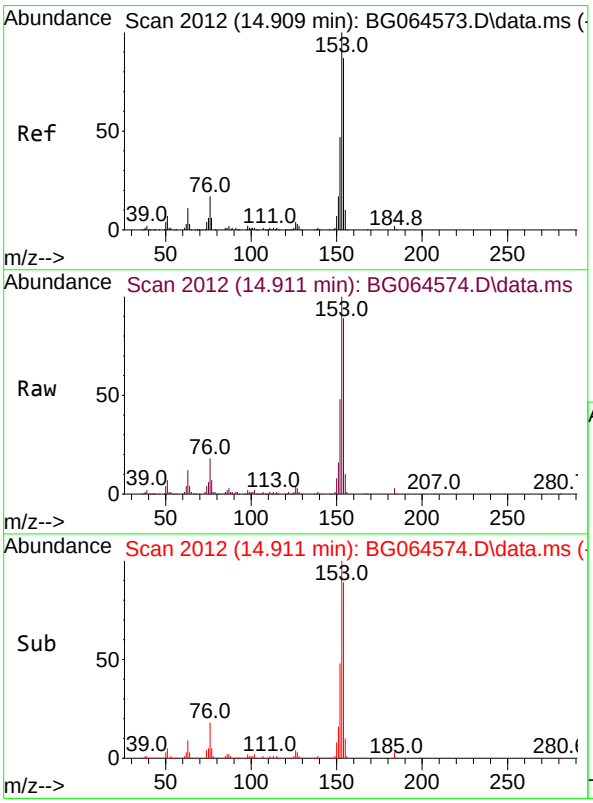
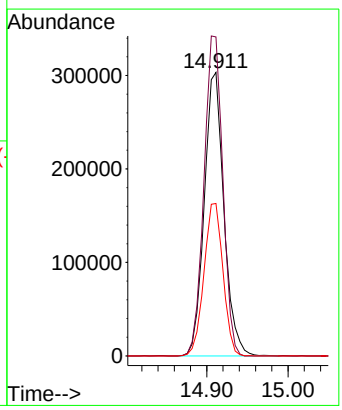
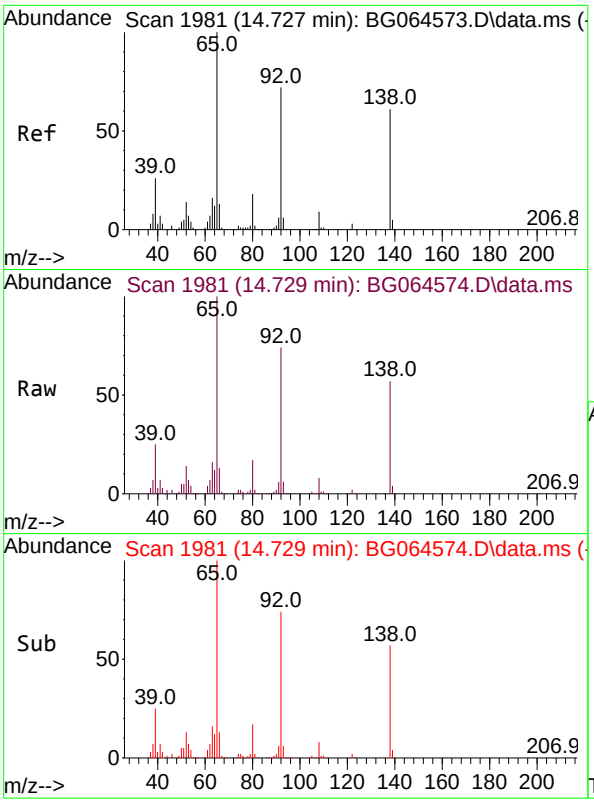


#52
Acenaphthene
Concen: 65.392 ng
RT: 14.911 min Scan# 2012
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:154 Resp: 510499

Ion	Ratio	Lower	Upper
154	100		
153	112.5	92.2	138.4
152	53.8	43.2	64.8

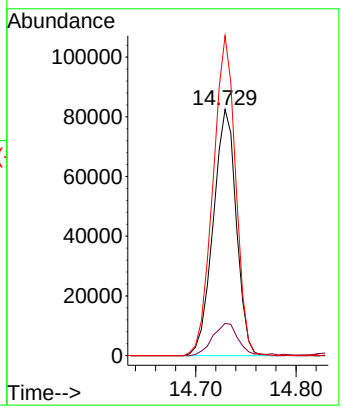




#53
3-Nitroaniline
Concen: 74.231 ng
RT: 14.729 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:138 Resp: 13177

Ion	Ratio	Lower	Upper
138	100		
108	13.1	11.4	17.0
92	130.0	95.3	142.9



Instrument :
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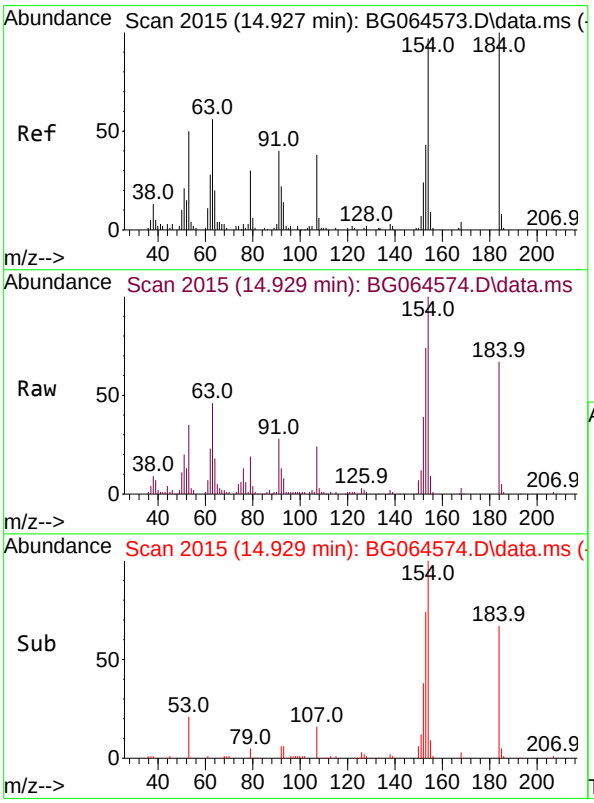
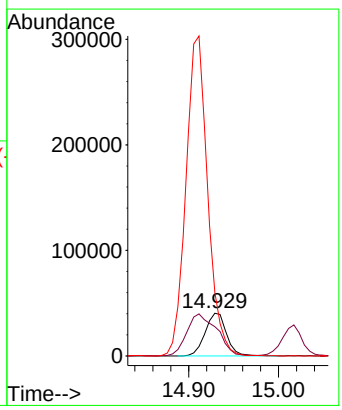
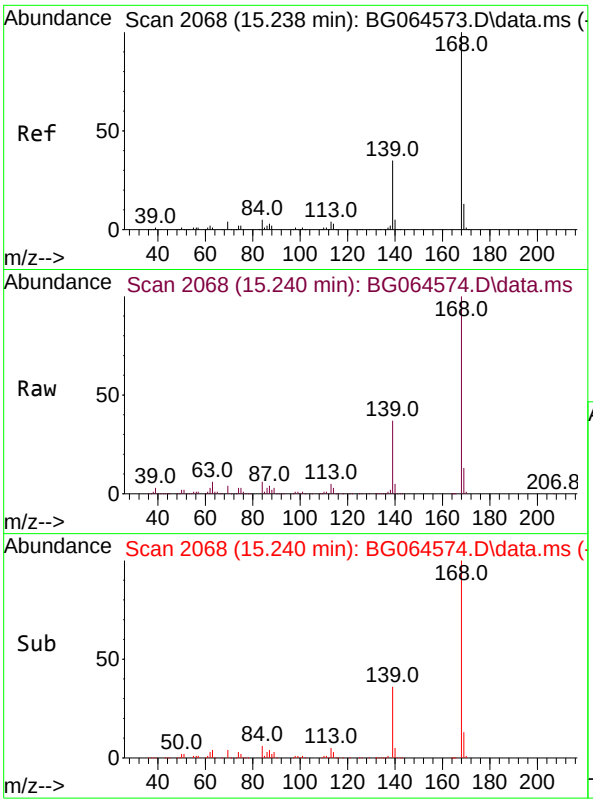


#54
2,4-Dinitrophenol
Concen: 65.082 ng
RT: 14.929 min Scan# 2015
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:184 Resp: 66900

Ion	Ratio	Lower	Upper
184	100		
63	68.5	56.6	85.0
154	149.4	158.6	238.0#

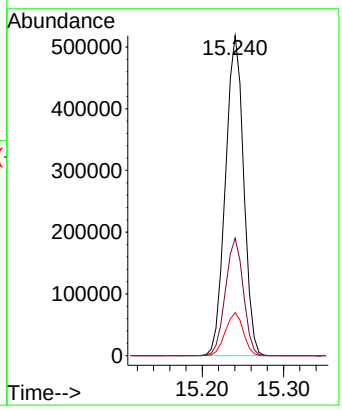




#55
Dibenzofuran
Concen: 63.779 ng
RT: 15.240 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:168 Resp: 80496

Ion	Ratio	Lower	Upper
168	100		
139	36.7	27.8	41.8
169	13.4	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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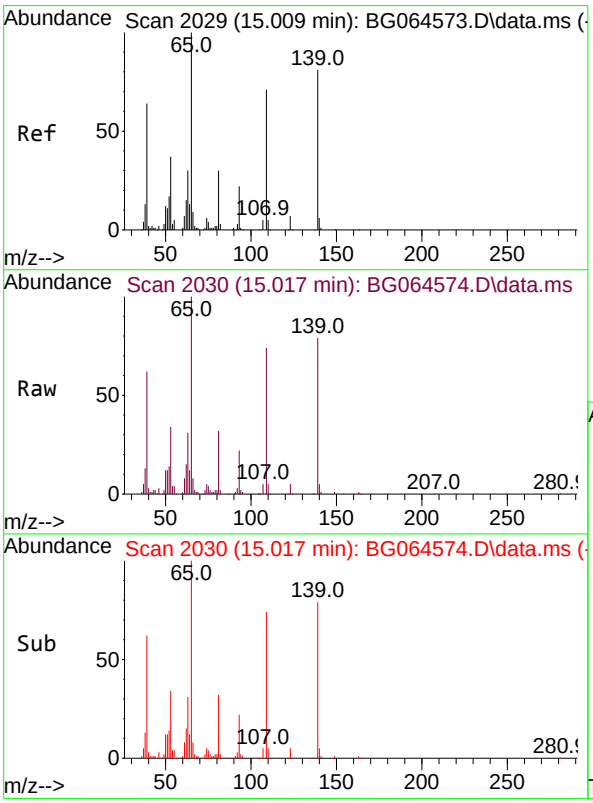
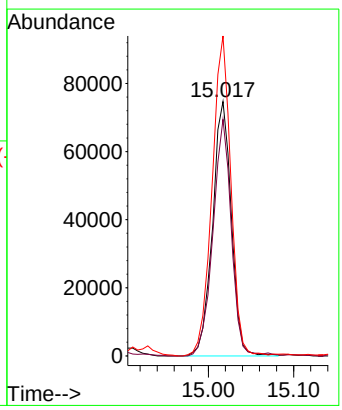
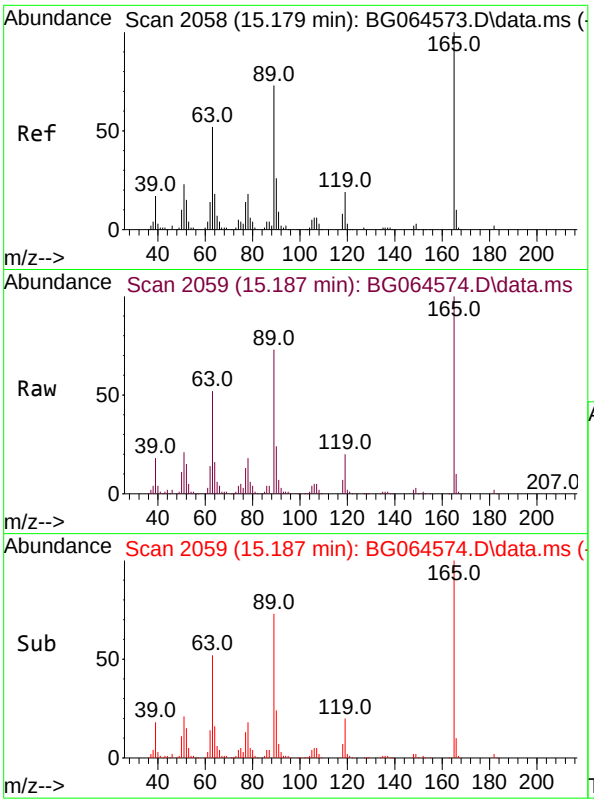


#56
4-Nitrophenol
Concen: 69.512 ng
RT: 15.017 min Scan# 2030
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:139 Resp: 114408

Ion	Ratio	Lower	Upper
139	100		
109	93.0	67.8	107.8
65	125.8	103.7	143.7

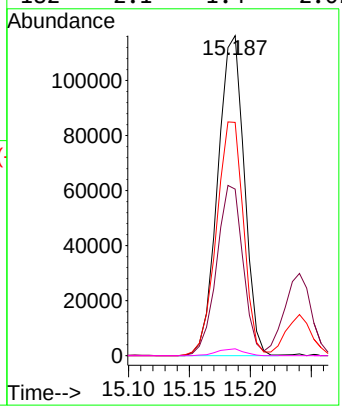




#57
2,4-Dinitrotoluene
Concen: 65.522 ng
RT: 15.187 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:165 Resp: 17580

Ion	Ratio	Lower	Upper
165	100		
63	52.0	41.8	62.8
89	72.9	58.1	87.1
182	2.1	1.4	2.0#



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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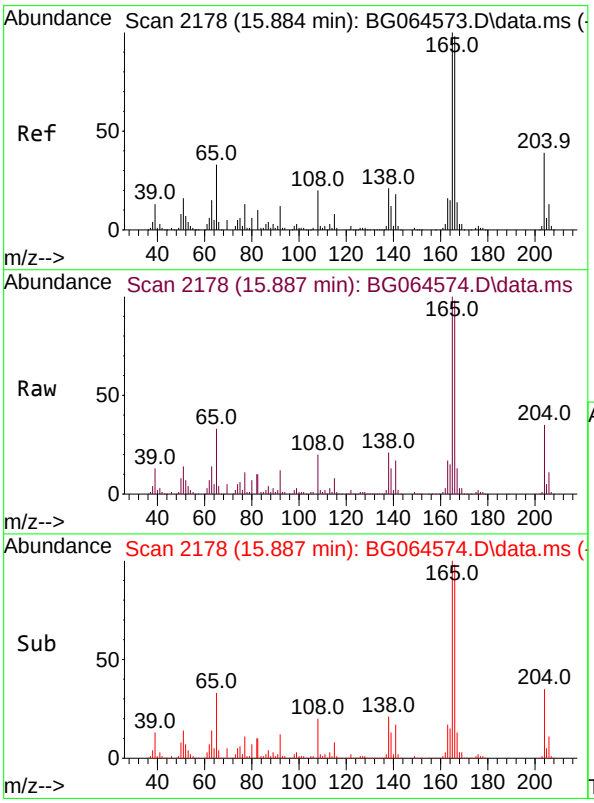
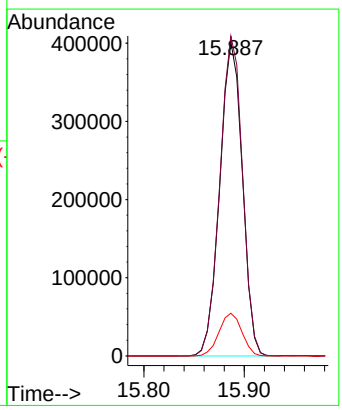
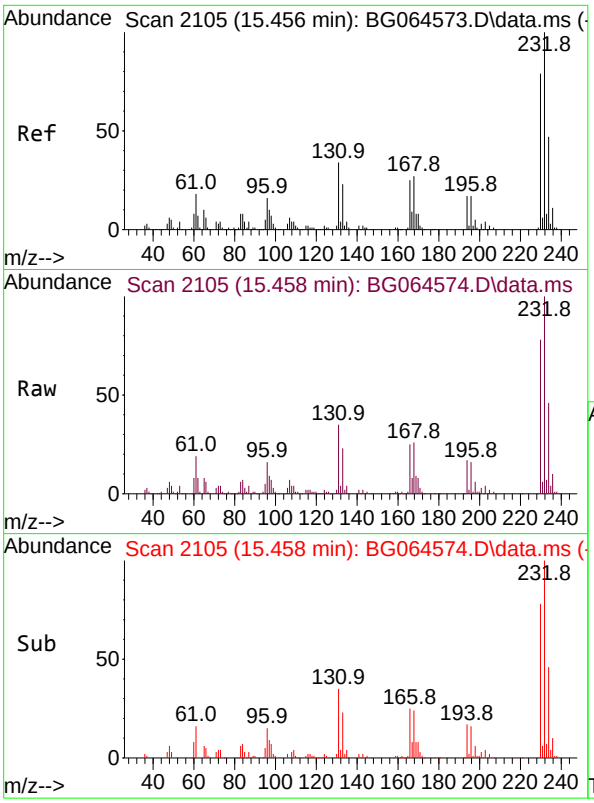


#58
Fluorene
Concen: 63.656 ng
RT: 15.887 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:166 Resp: 627437

Ion	Ratio	Lower	Upper
166	100		
165	101.8	81.5	122.3
167	13.5	11.4	17.0

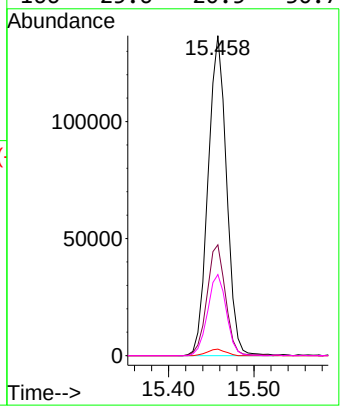




#59
2,3,4,6-Tetrachlorophenol
Concen: 71.870 ng
RT: 15.458 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:232 Resp: 20552

Ion	Ratio	Lower	Upper
232	100		
131	34.7	26.7	40.1
130	2.0	1.6	2.4
166	25.6	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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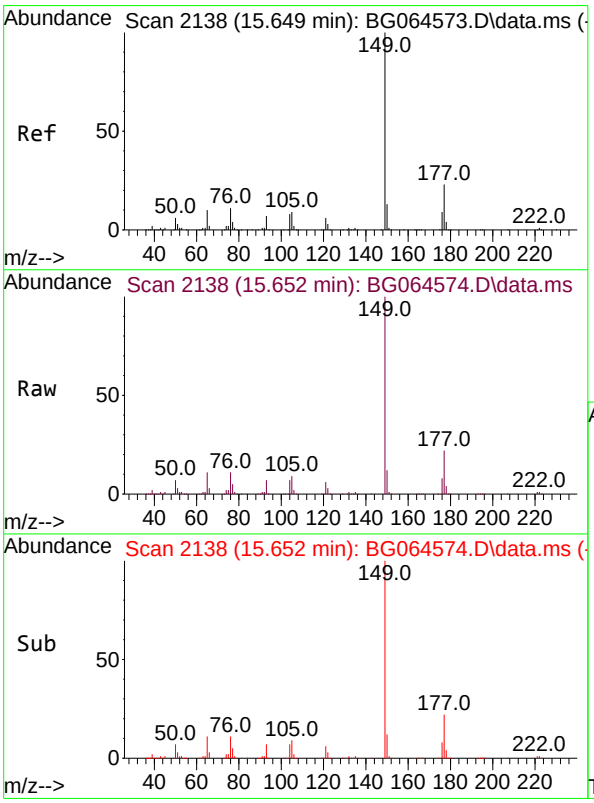
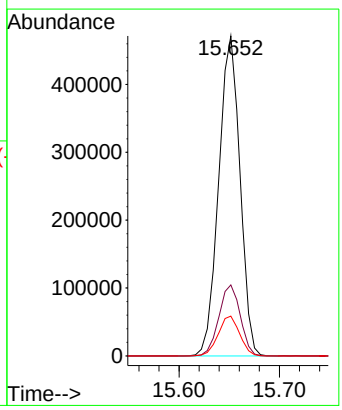
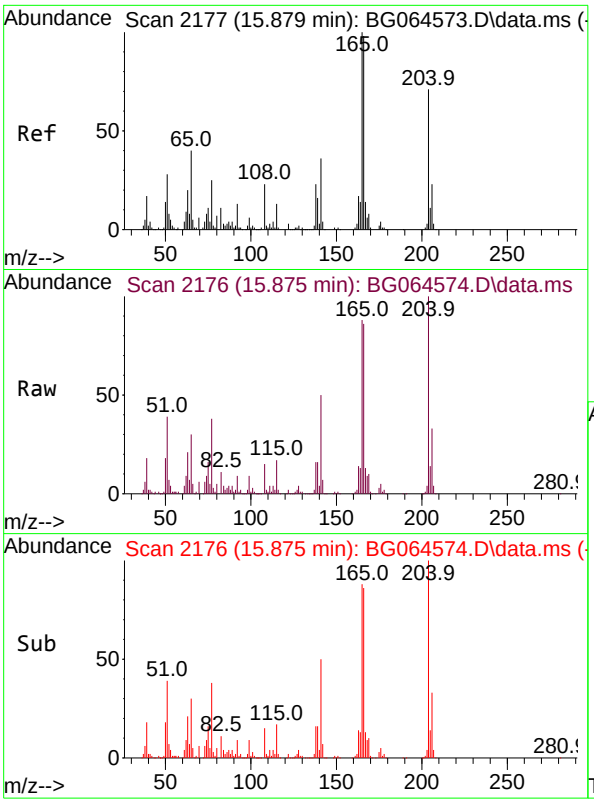


#60
Diethylphthalate
Concen: 65.982 ng
RT: 15.652 min Scan# 2138
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 695924

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.0	27.0
150	12.4	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 65.038 ng
RT: 15.875 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:204 Resp: 359759

Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.6	38.4
141	50.4	40.6	60.8

Instrument :
BNA_G
ClientSampleId :
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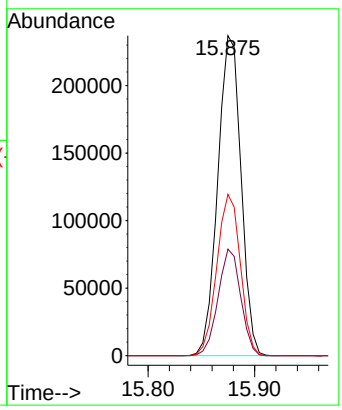
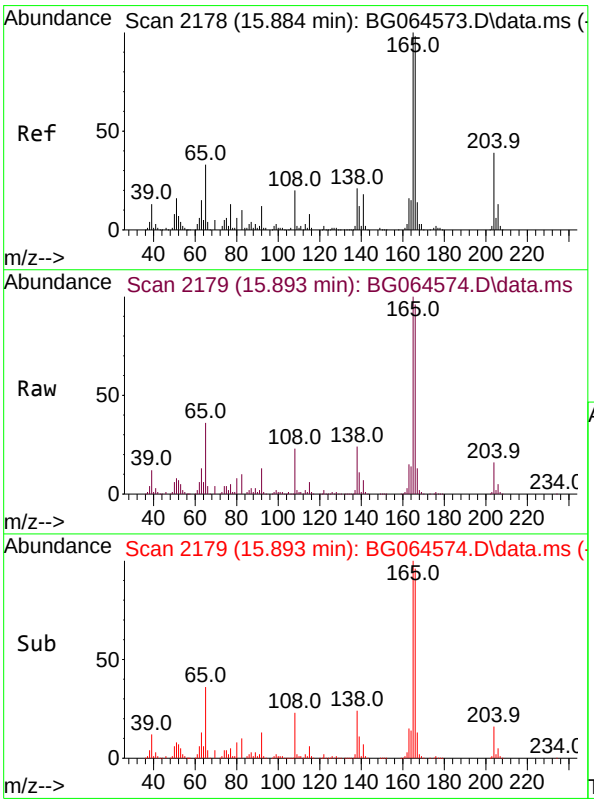
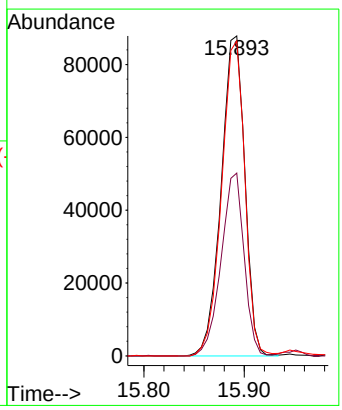


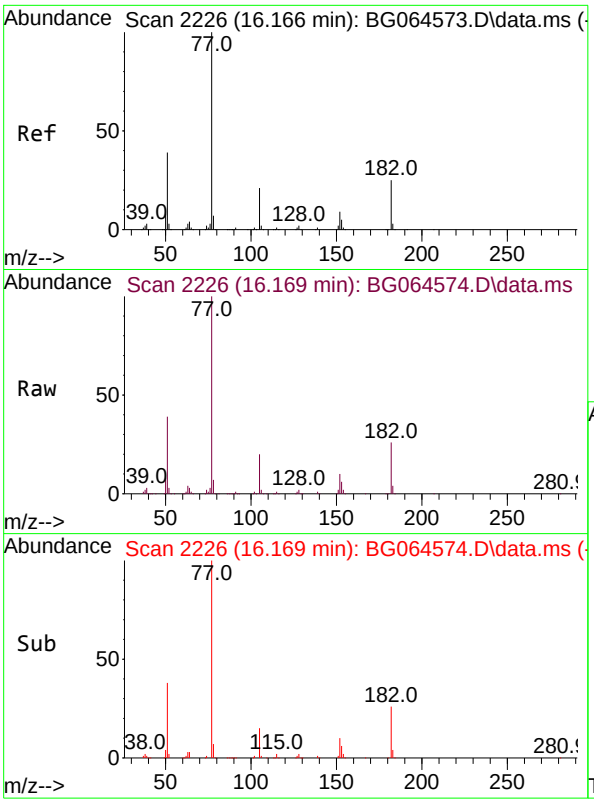


#62
4-Nitroaniline
Concen: 72.832 ng
RT: 15.893 min Scan# 2179
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:138 Resp: 143839

Ion	Ratio	Lower	Upper
138	100		
92	57.1	36.1	76.1
108	98.4	75.6	115.6

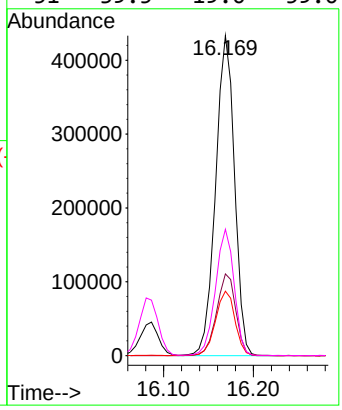




#63
Azobenzene
Concen: 65.464 ng
RT: 16.169 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 77 Resp: 63352

Ion	Ratio	Lower	Upper
77	100		
182	25.5	4.9	44.9
105	20.1	1.3	41.3
51	39.5	19.0	59.0



Instrument :
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ClientSampleId :
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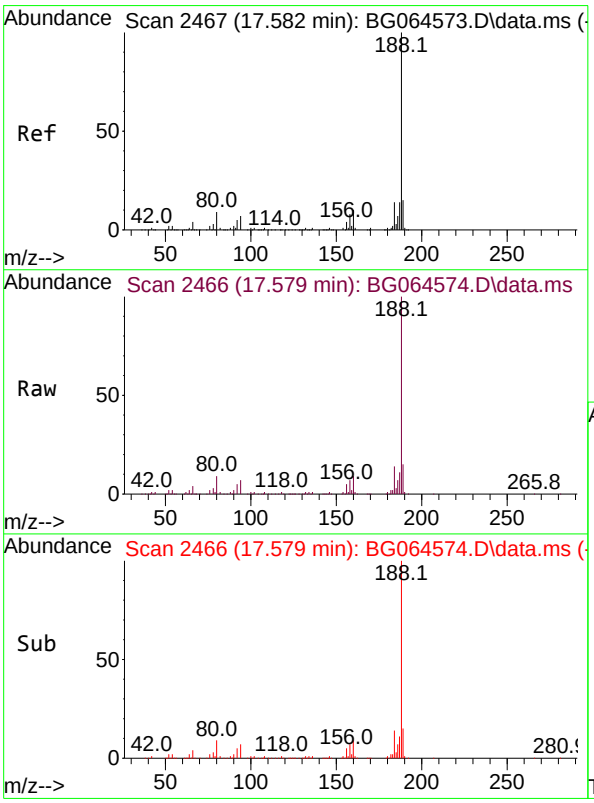
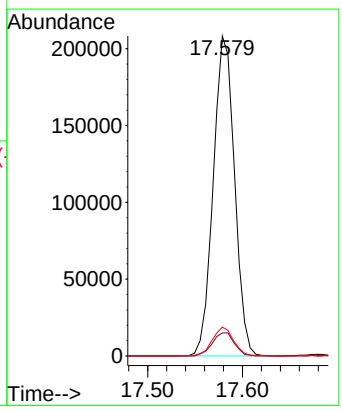
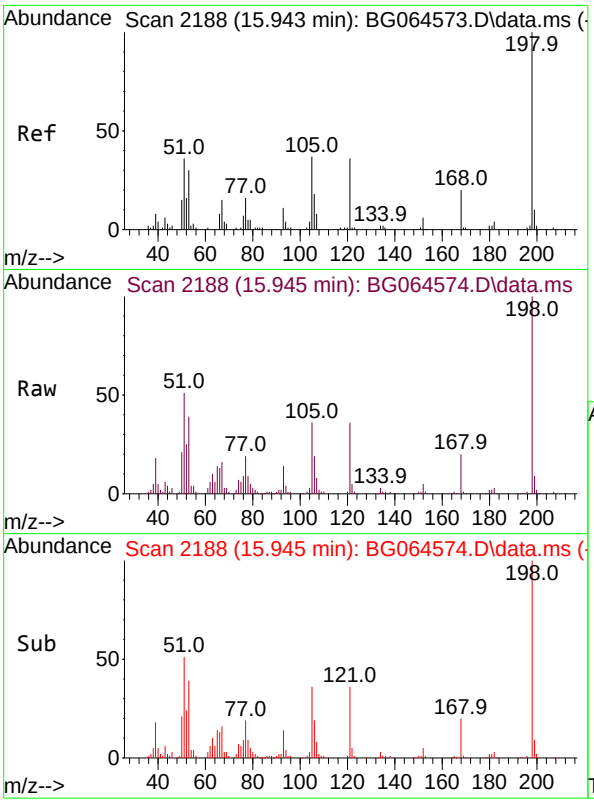


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.579 min Scan# 2466
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:188 Resp: 324385

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.7	8.5
80	9.0	6.8	10.2

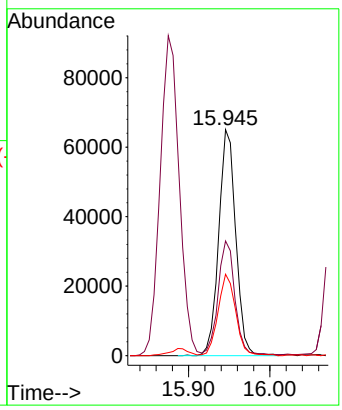




#65
4,6-Dinitro-2-methylphenol
Concen: 64.046 ng
RT: 15.945 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:198 Resp: 9433

Ion	Ratio	Lower	Upper
198	100		
51	50.7	24.7	64.7
105	36.0	18.0	58.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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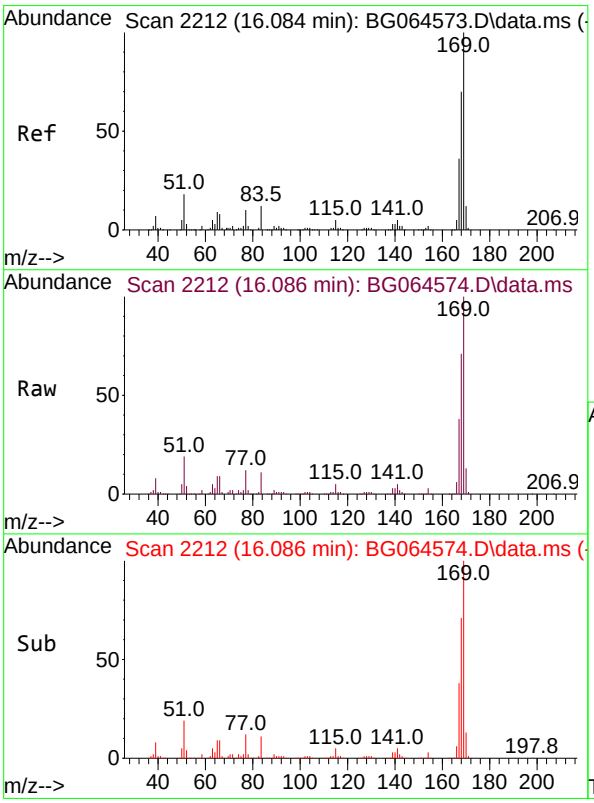
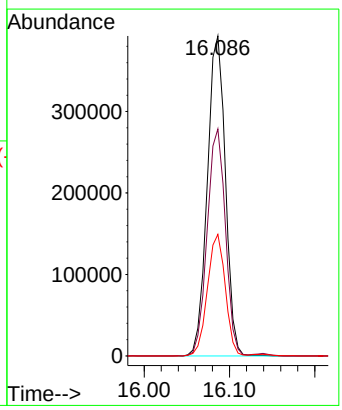
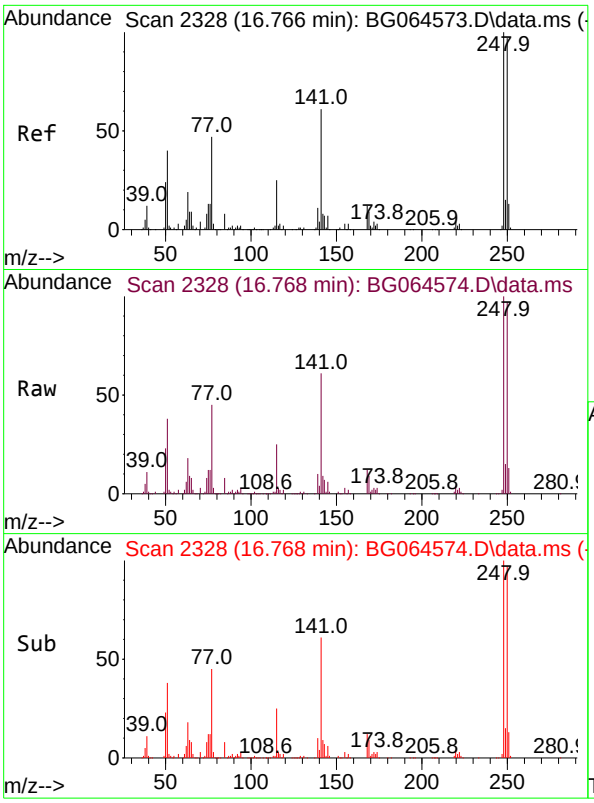


#66
n-Nitrosodiphenylamine
Concen: 65.944 ng
RT: 16.086 min Scan# 2212
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:169 Resp: 577835

Ion	Ratio	Lower	Upper
169	100		
168	70.9	56.3	84.5
167	38.0	29.0	43.6

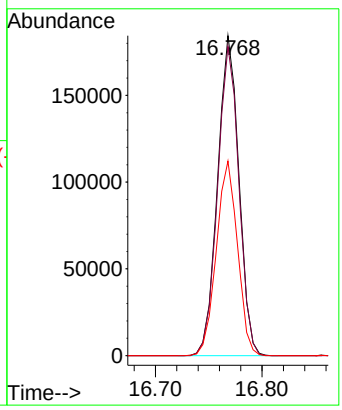




#67
4-Bromophenyl-phenylether
Concen: 66.740 ng
RT: 16.768 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:248 Resp: 25655

Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.7	116.5
141	60.8	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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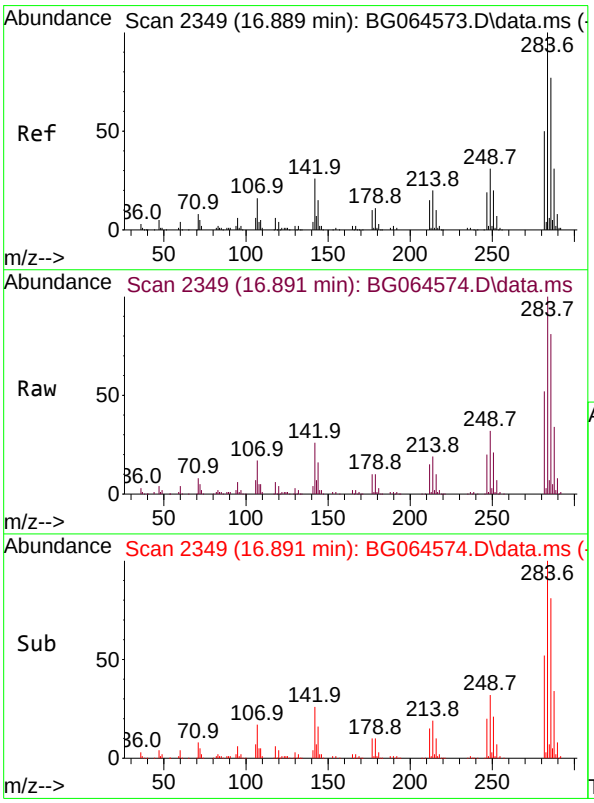
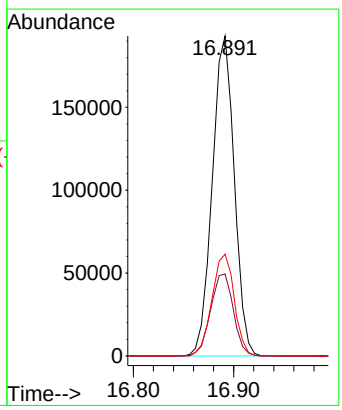
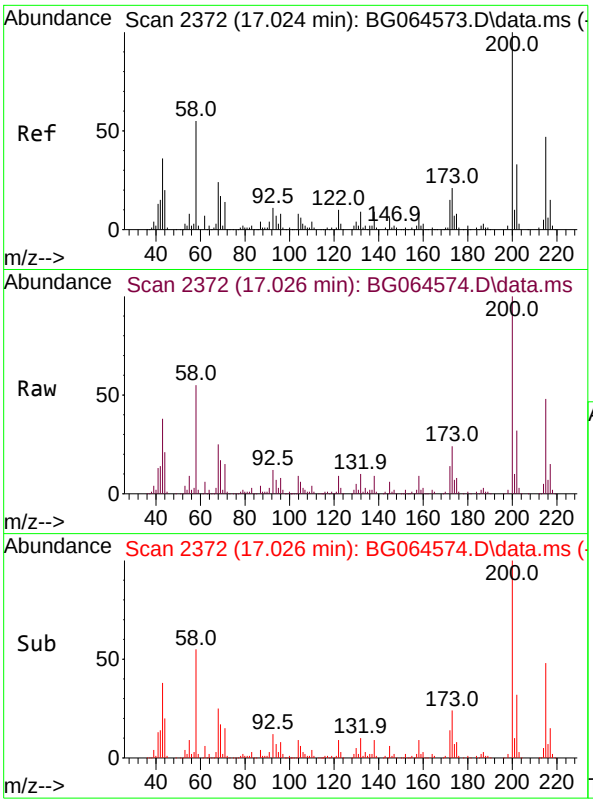


#68
Hexachlorobenzene
Concen: 67.001 ng
RT: 16.891 min Scan# 2349
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:284 Resp: 293831

Ion	Ratio	Lower	Upper
284	100		
142	25.6	21.0	31.6
249	34.5	24.9	37.3

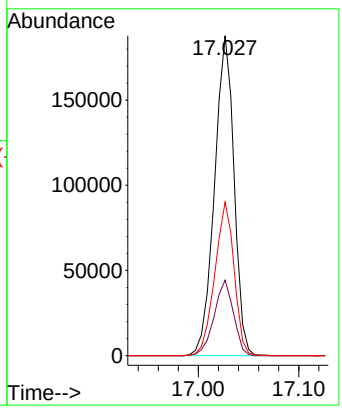




#69
Atrazine
Concen: 67.378 ng
RT: 17.026 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:200 Resp: 25407

Ion	Ratio	Lower	Upper
200	100		
173	23.6	0.9	40.9
215	47.9	27.0	67.0



Instrument :
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ClientSampleId :
SSTDICC060

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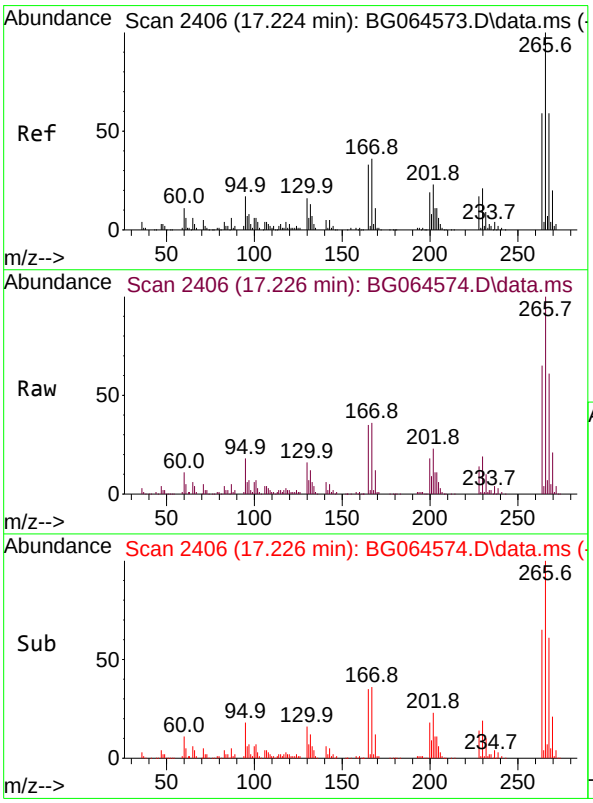
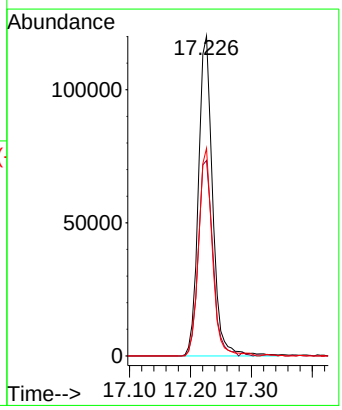
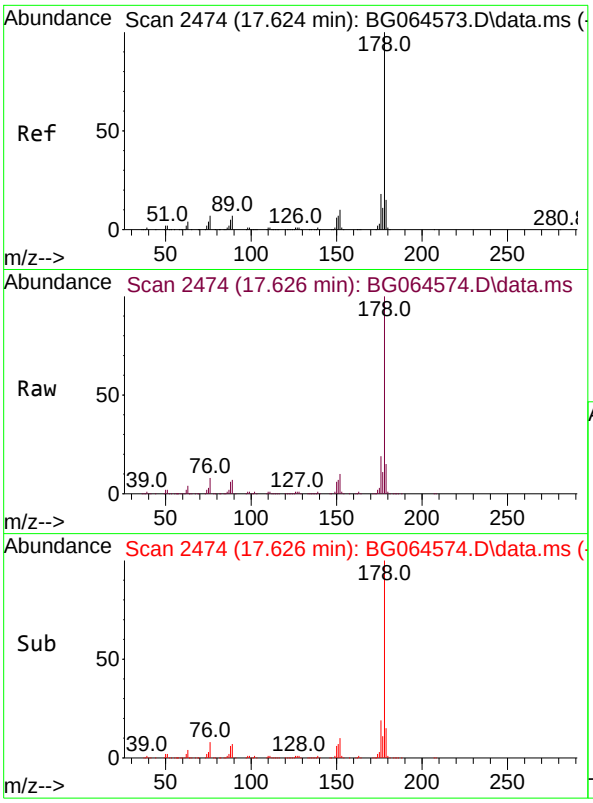


#70
Pentachlorophenol
Concen: 70.923 ng
RT: 17.226 min Scan# 2406
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:266 Resp: 193954

Ion	Ratio	Lower	Upper
266	100		
268	66.0	50.3	75.5
264	69.3	47.3	70.9

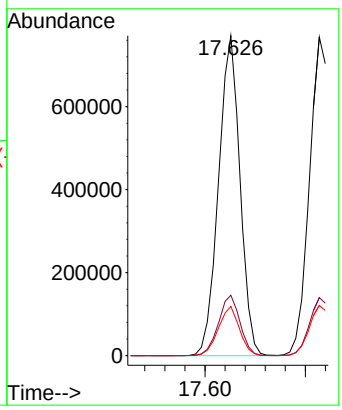




#71
Phenanthrene
Concen: 64.676 ng
RT: 17.626 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:178 Resp: 114731

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.4	12.2	18.4



Instrument :
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ClientSampleId :
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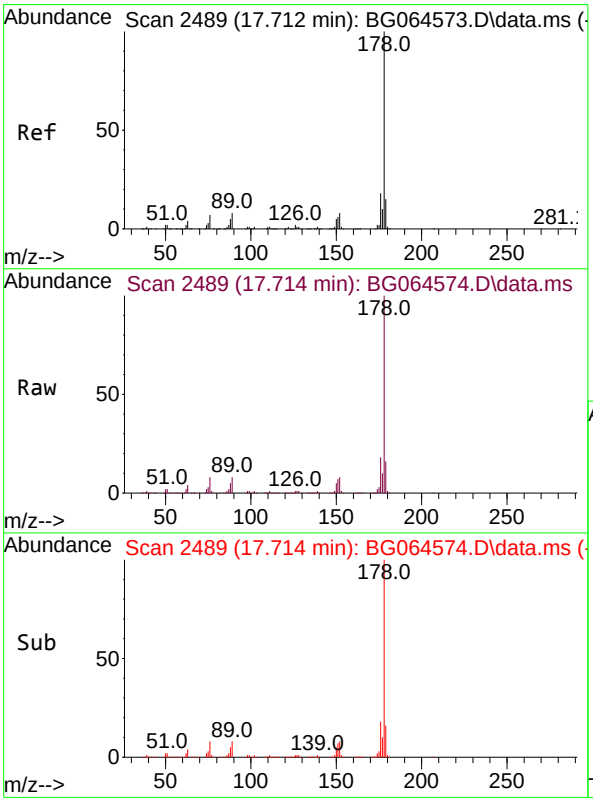
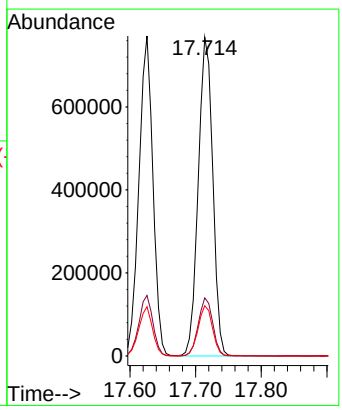
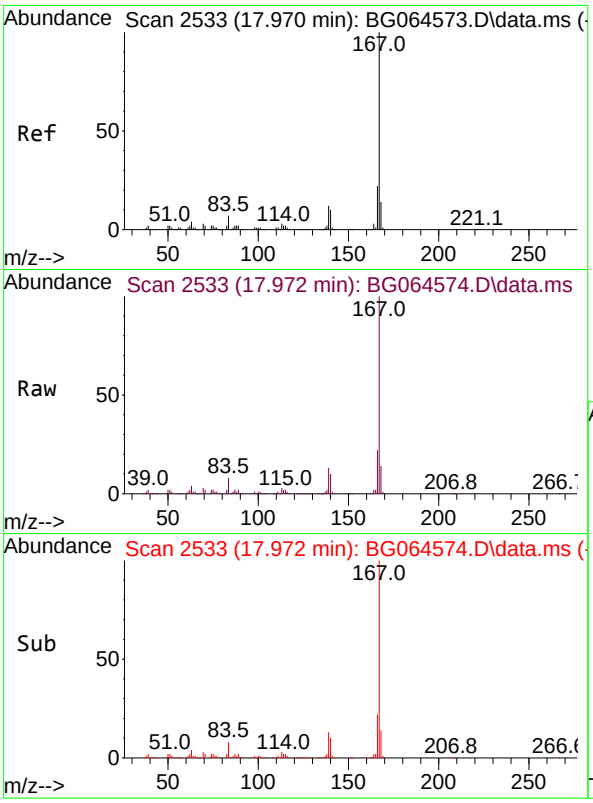


#72
Anthracene
Concen: 64.905 ng
RT: 17.714 min Scan# 2489
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:178 Resp: 1171223

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.4	21.6
179	15.8	12.4	18.6

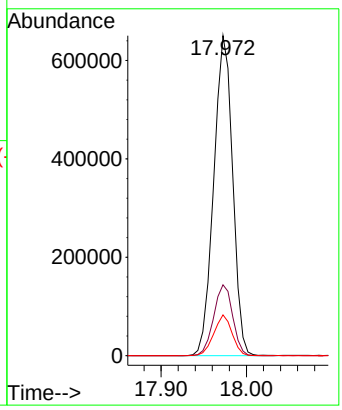




#73
Carbazole
Concen: 62.887 ng
RT: 17.972 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:167 Resp: 100068

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.9	26.9
139	12.7	9.7	14.5



Instrument :
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ClientSampleId :
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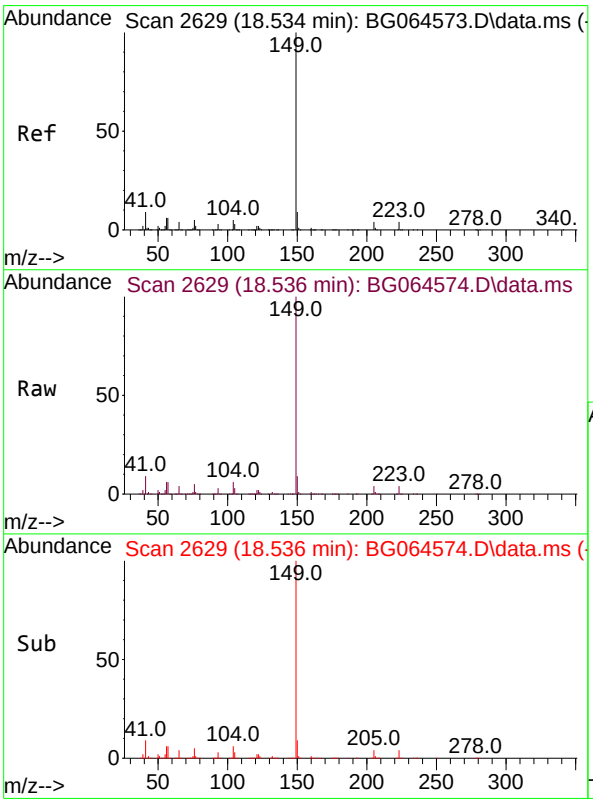
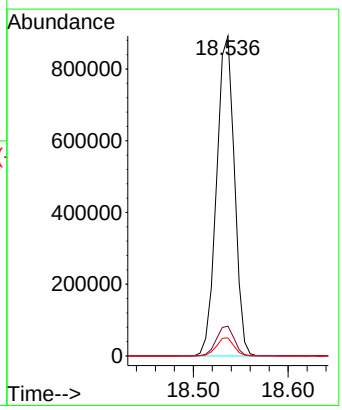
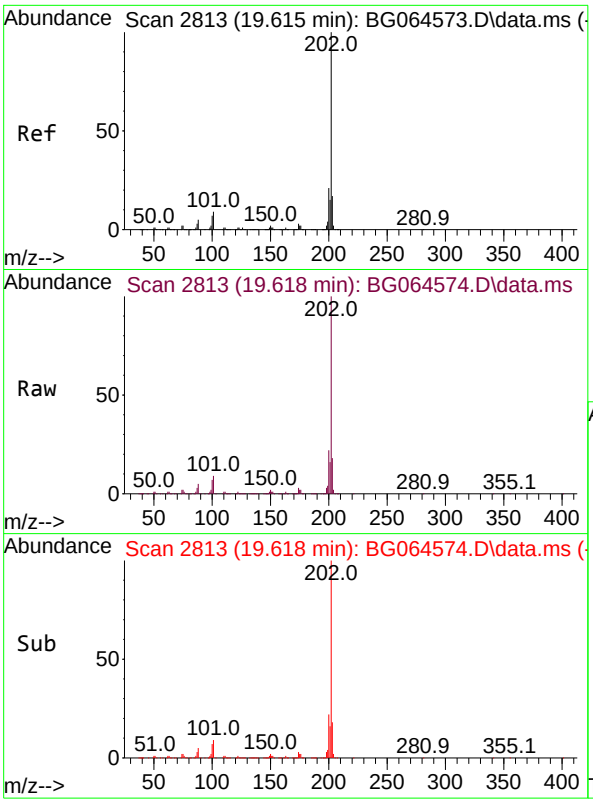


#74
Di-n-butylphthalate
Concen: 63.334 ng
RT: 18.536 min Scan# 2629
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 1165396

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.0	10.6
104	5.6	4.1	6.1





#75
Fluoranthene
Concen: 61.419 ng
RT: 19.618 min Scan# 28
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:202 Resp: 136489

Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	28.7
203	17.8	0.0	37.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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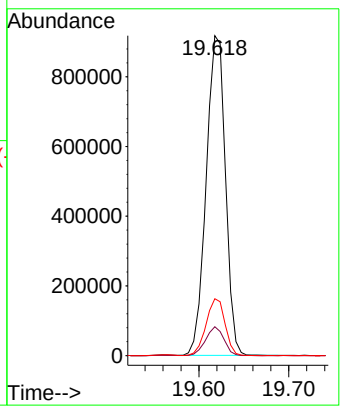
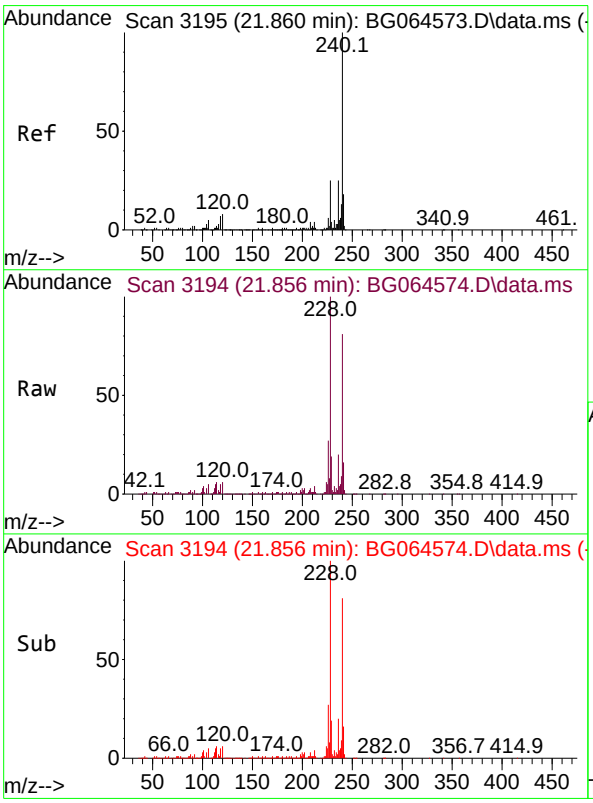
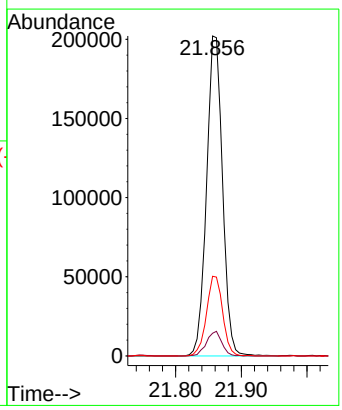


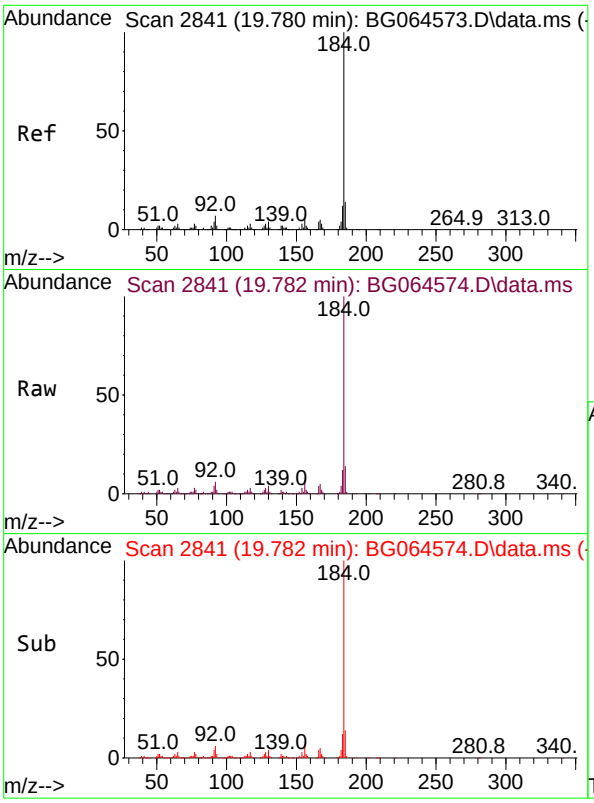


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.856 min Scan# 3194
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:240 Resp: 340896

Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.5	9.7
236	24.9	20.2	30.2

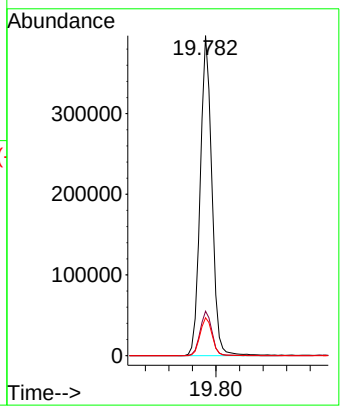




#77
Benzidine
Concen: 71.348 ng
RT: 19.782 min Scan# 28
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:184 Resp: 544918

Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.4	17.2
183	11.8	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
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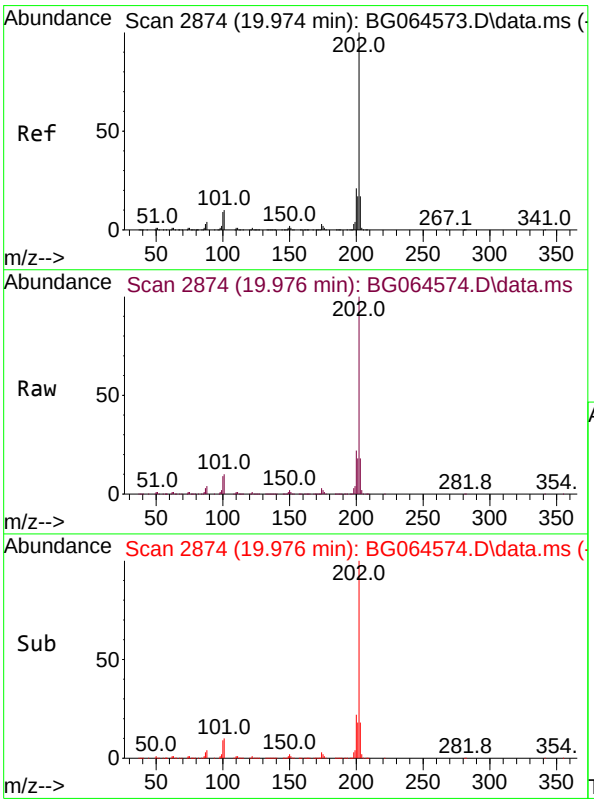
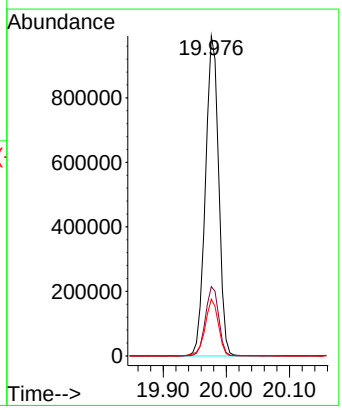
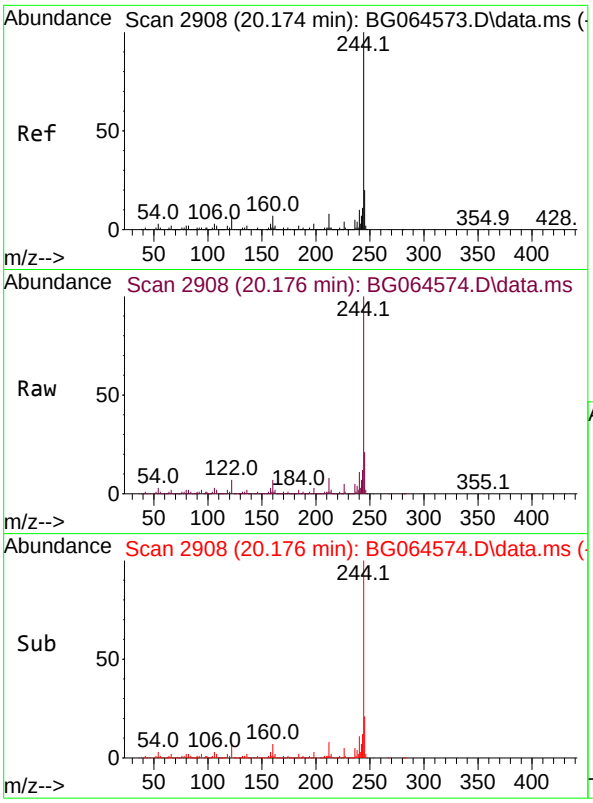


#78
Pyrene
Concen: 64.549 ng
RT: 19.976 min Scan# 2874
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:202 Resp: 1437669

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	17.7	13.8	20.6

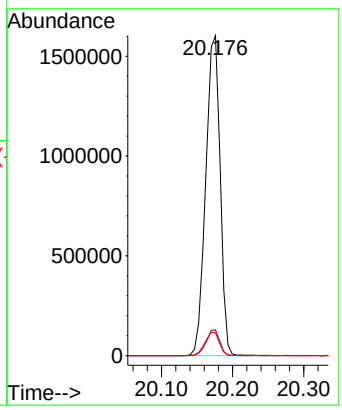




#79
Terphenyl-d14
Concen: 124.763 ng
RT: 20.176 min Scan# 29
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:244 Resp: 225370

Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.1	9.1
122	7.1	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
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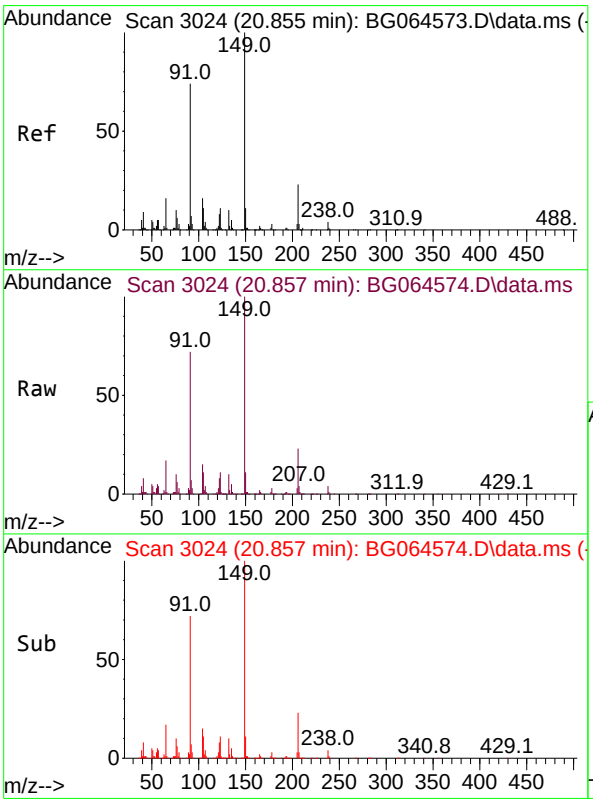
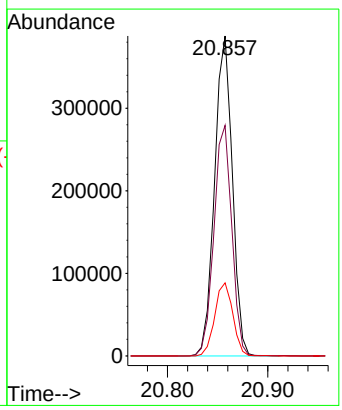
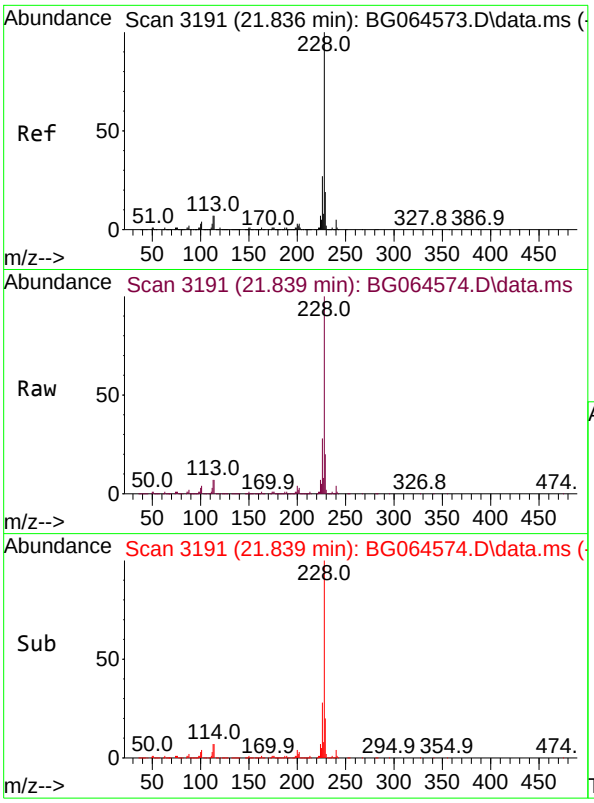


#80
Butylbenzylphthalate
Concen: 70.914 ng
RT: 20.857 min Scan# 3024
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 477358

Ion	Ratio	Lower	Upper
149	100		
91	72.0	59.2	88.8
206	22.8	18.1	27.1

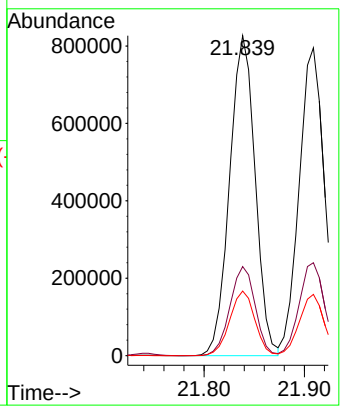




#81
Benzo(a)anthracene
Concen: 64.702 ng
RT: 21.839 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:228 Resp: 146248

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.9	32.9
229	20.2	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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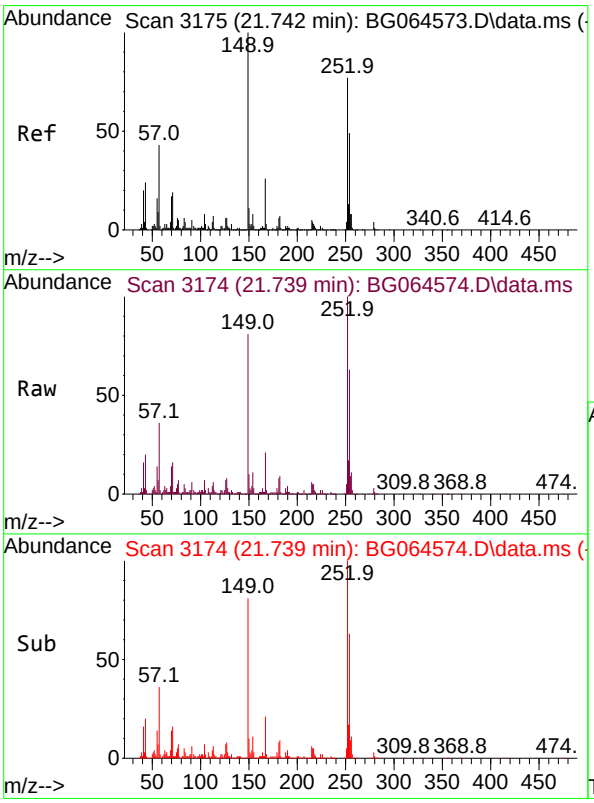
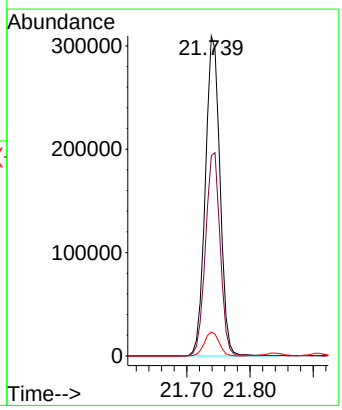
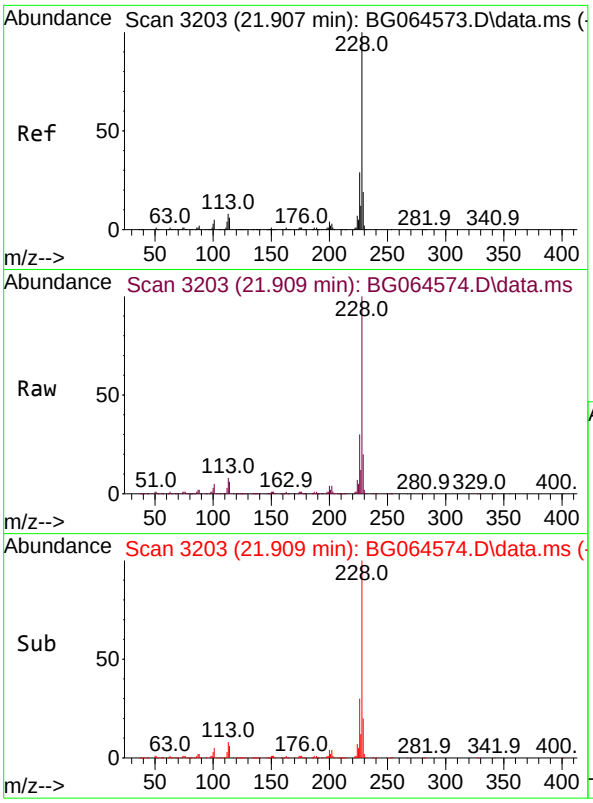


#82
3,3'-Dichlorobenzidine
Concen: 65.868 ng
RT: 21.739 min Scan# 3174
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 497174

Ion	Ratio	Lower	Upper
252	100		
254	62.6	50.8	76.2
126	7.4	5.8	8.6

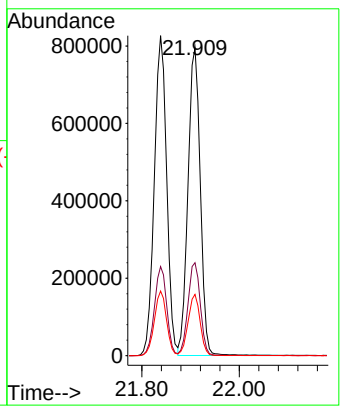




#83
Chrysene
Concen: 64.621 ng
RT: 21.909 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:228 Resp: 138982

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.3	34.9
229	19.9	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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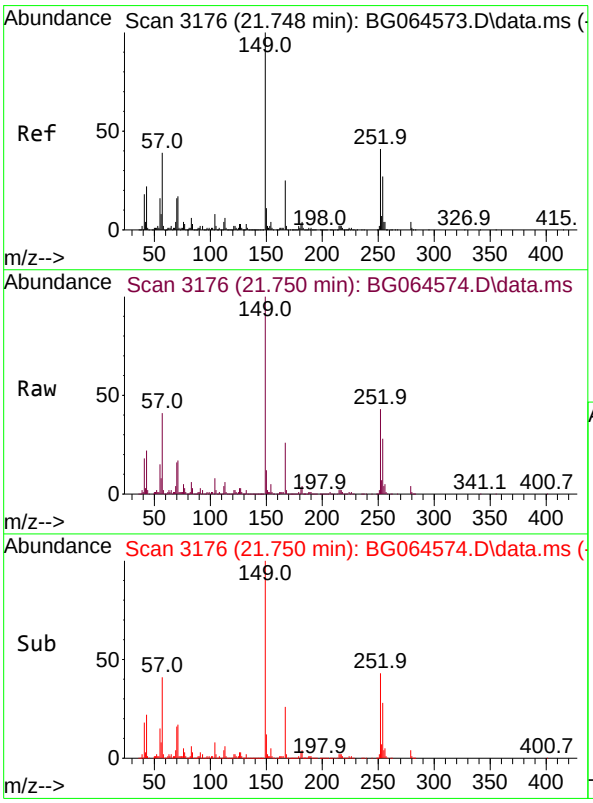
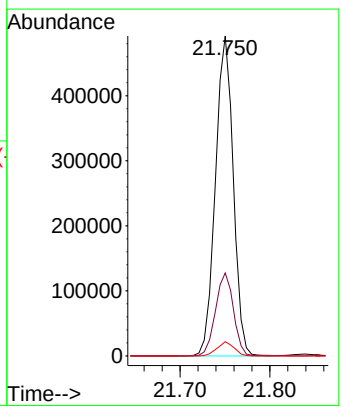
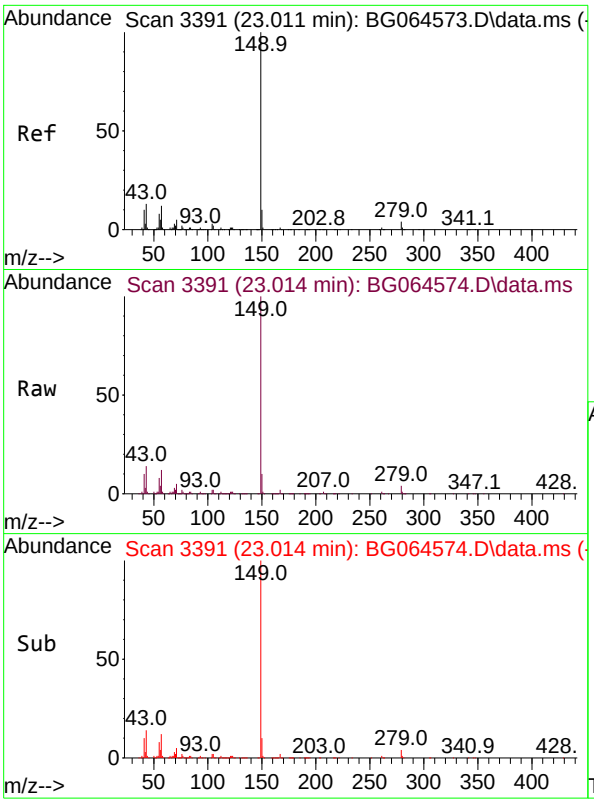


#84
Bis(2-ethylhexyl)phthalate
Concen: 67.768 ng
RT: 21.750 min Scan# 3176
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 681649

Ion	Ratio	Lower	Upper
149	100		
167	25.9	20.0	30.0
279	4.4	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 67.379 ng
RT: 23.014 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

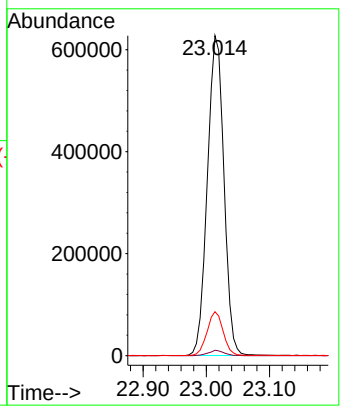
Tgt Ion:149 Resp: 114265

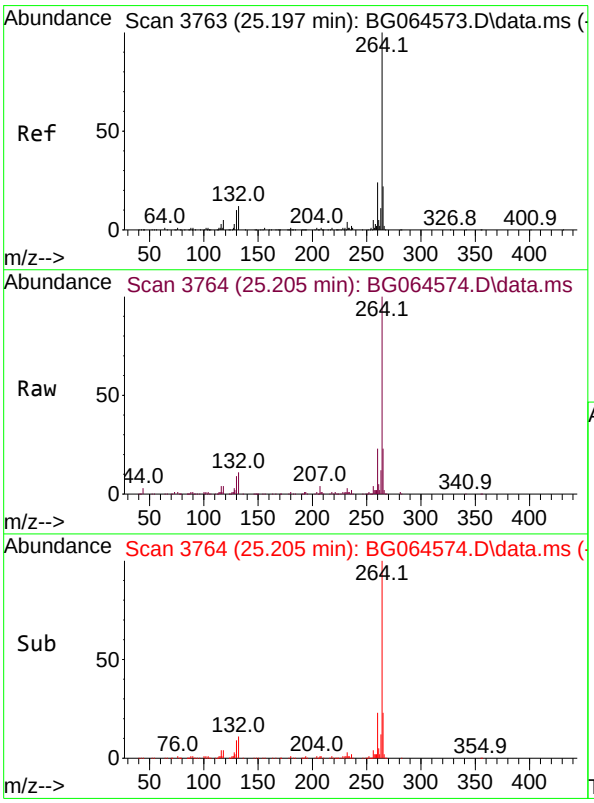
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.5	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

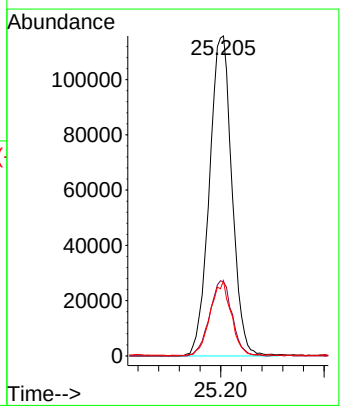


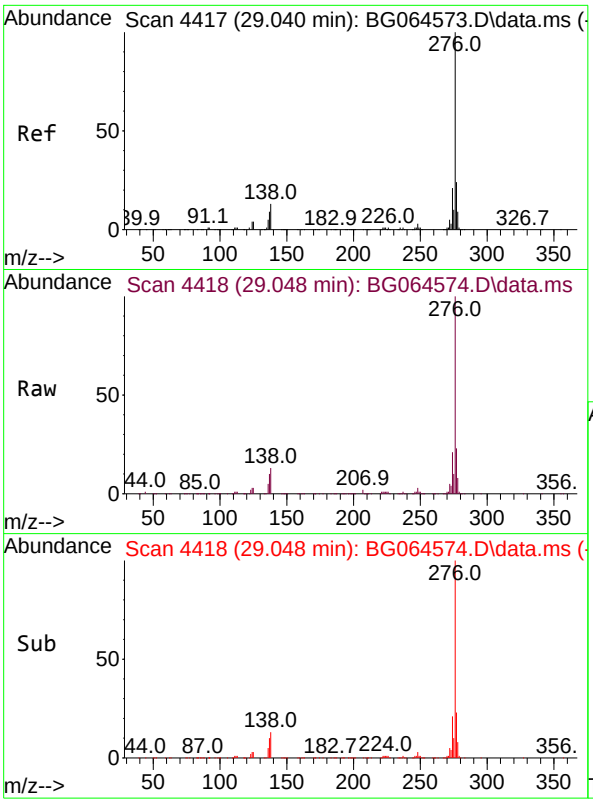


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.205 min Scan# 3764
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:264 Resp: 350916

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	23.5	17.6	26.4

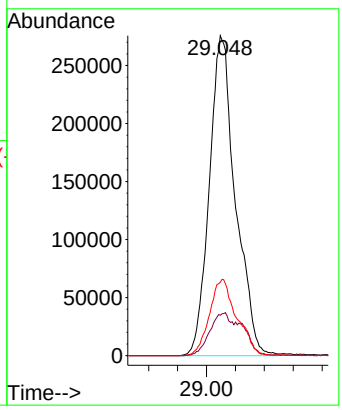




#87
Indeno(1,2,3-cd)pyrene
Concen: 66.979 ng
RT: 29.048 min Scan# 44
Delta R.T. -0.013 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:276 Resp: 172903

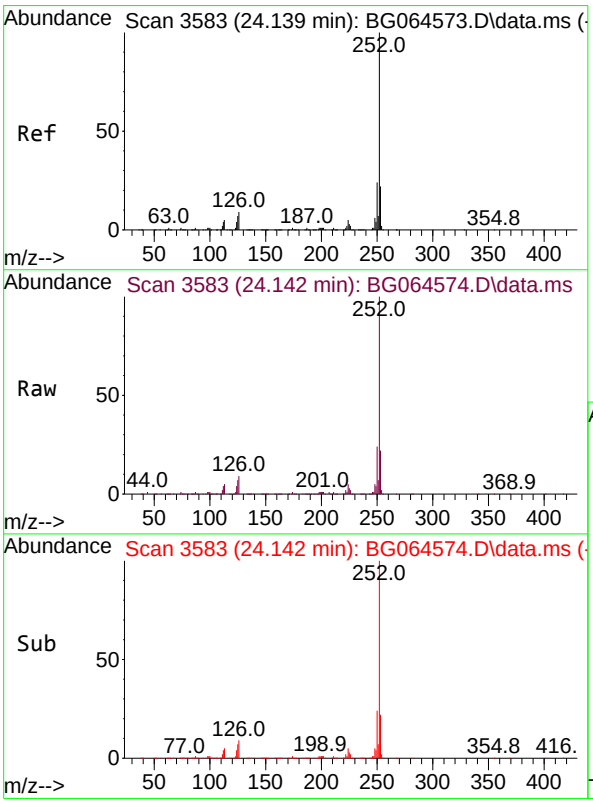
Ion	Ratio	Lower	Upper
276	100		
138	11.2	10.8	16.2
277	24.9	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

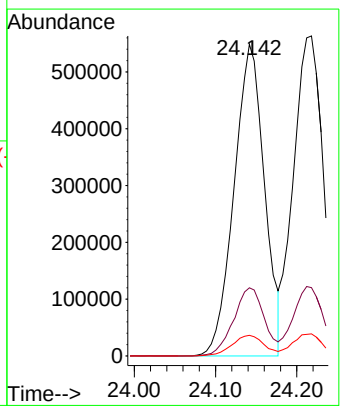
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

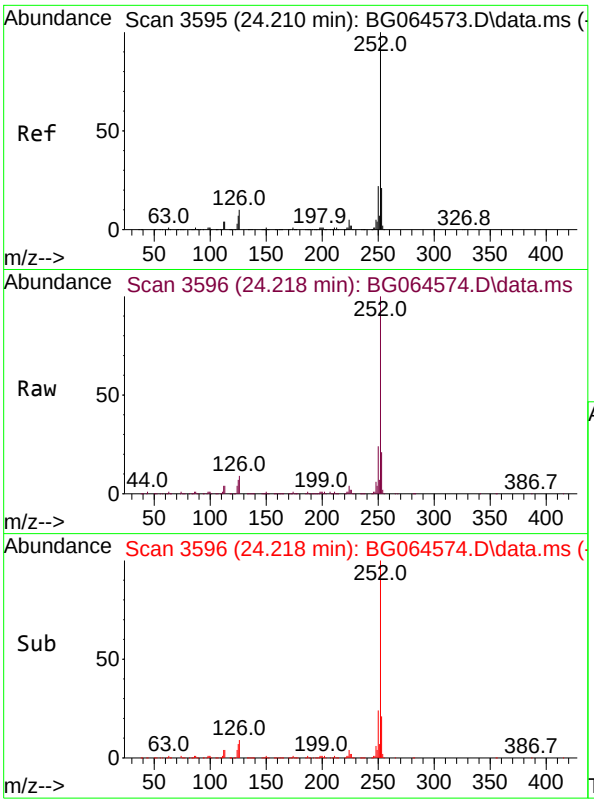


#88
Benzo(b)fluoranthene
Concen: 66.207 ng
RT: 24.142 min Scan# 3583
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 1424640

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	6.6	5.6	8.4

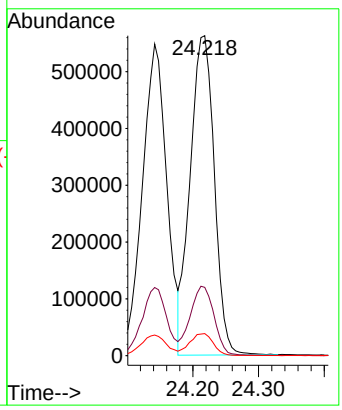




#89
Benzo(k)fluoranthene
Concen: 66.703 ng
RT: 24.218 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 143631

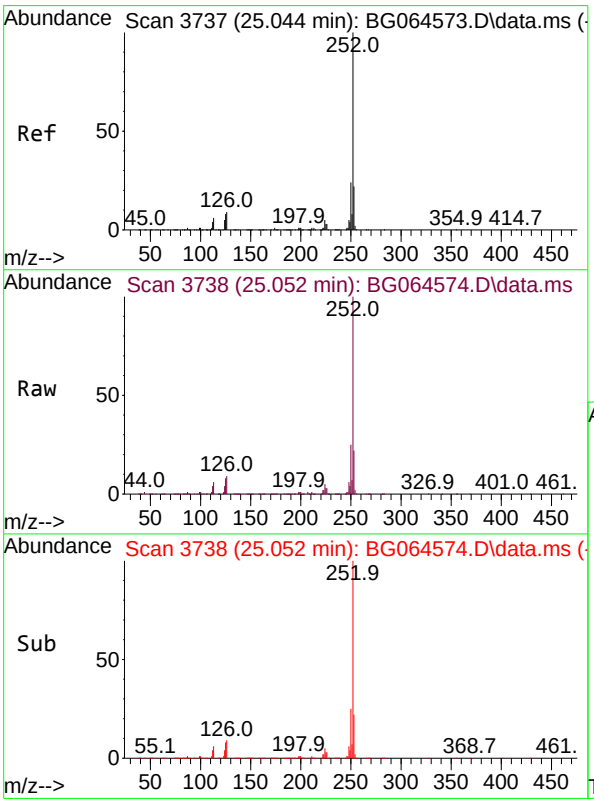
Ion	Ratio	Lower	Upper
252	100		
253	21.3	16.8	25.2
125	6.9	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

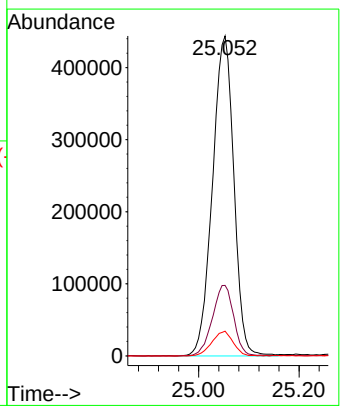
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

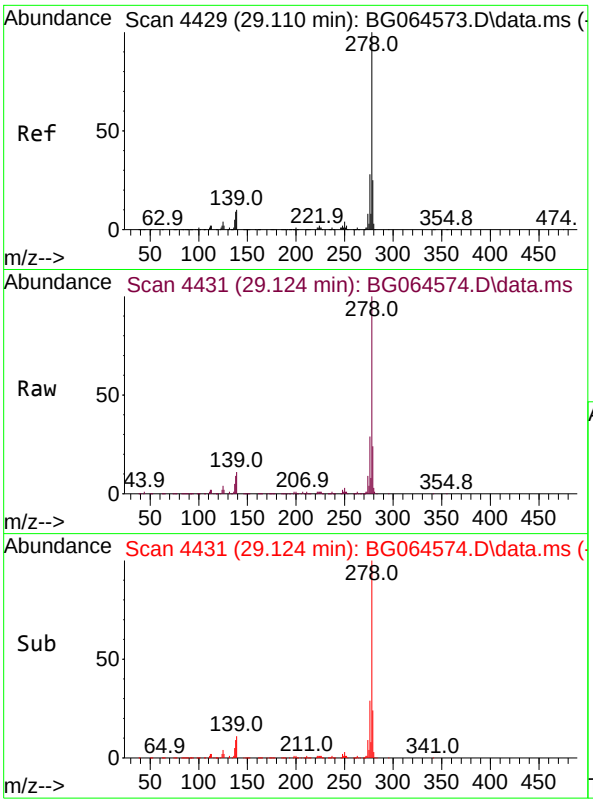


#90
Benzo(a)pyrene
Concen: 66.315 ng
RT: 25.052 min Scan# 3738
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 1311701

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	7.7	6.1	9.1

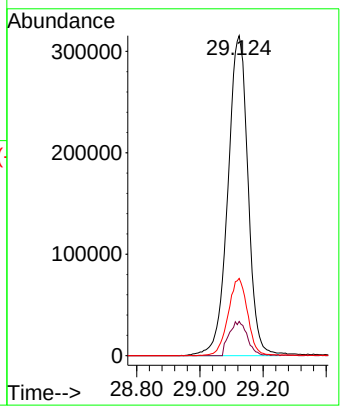




#91
Dibenzo(a,h)anthracene
Concen: 66.479 ng
RT: 29.124 min Scan# 44
Delta R.T. -0.013 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:278 Resp: 139423

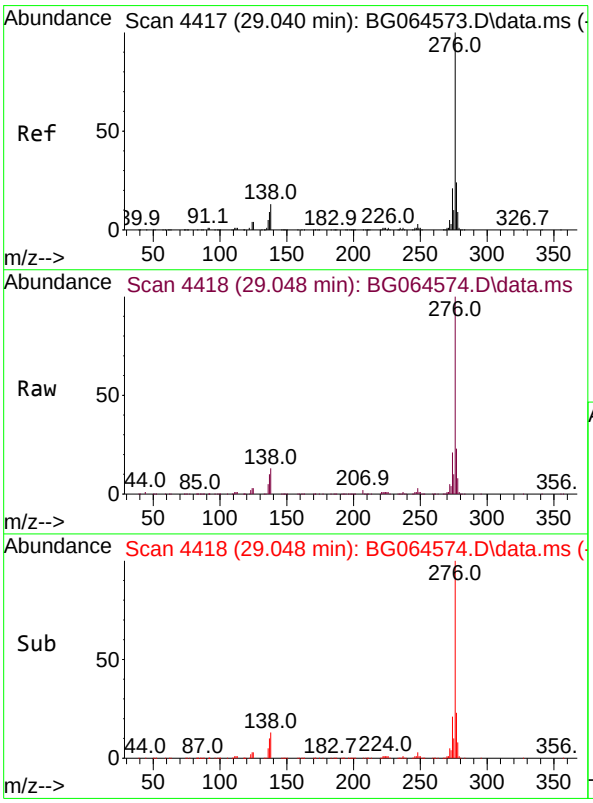
Ion	Ratio	Lower	Upper
278	100		
139	10.7	8.0	12.0
279	24.1	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

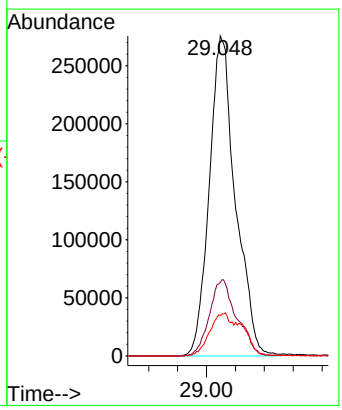
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 66.979 ng
RT: 29.048 min Scan# 4418
Delta R.T. -0.013 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:276 Resp: 1729035

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.2	28.8
138	12.6	10.7	16.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064575.D
Acq On : 24 Oct 2025 14:24
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.221	152	45466	20.000	ng		0.00
21) Naphthalene-d8	11.053	136	179569	20.000	ng		0.00
39) Acenaphthene-d10	14.842	164	133797	20.000	ng		0.00
64) Phenanthrene-d10	17.580	188	333421	20.000	ng		0.00
76) Chrysene-d12	21.863	240	363291	20.000	ng		0.00
86) Perylene-d12	25.201	264	382372	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.747	112	411587	151.948	ng		0.00
7) Phenol-d6	7.357	99	554287	149.124	ng		0.00
23) Nitrobenzene-d5	9.390	82	511341	171.034	ng		0.00
42) 2,4,6-Tribromophenol	16.323	330	328066	169.886	ng		0.00
45) 2-Fluorobiphenyl	13.479	172	1314892	148.960	ng		0.00
79) Terphenyl-d14	20.177	244	2697491	140.125	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.591	88	83655	69.757	ng		99
3) Pyridine	3.996	79	259519	72.062	ng		96
4) n-Nitrosodimethylamine	3.908	42	141185	73.105	ng		99
6) Aniline	7.533	93	364528	72.073	ng		99
8) 2-Chlorophenol	7.780	128	221112	77.988	ng		99
9) Benzaldehyde	7.339	77	120456	59.361	ng		94
10) Phenol	7.386	94	307886	74.900	ng		98
11) bis(2-Chloroethyl)ether	7.533	93	364528	72.073	ng		99
12) 1,3-Dichlorobenzene	8.109	146	236208	72.385	ng		98
13) 1,4-Dichlorobenzene	8.256	146	240570	72.504	ng		97
14) 1,2-Dichlorobenzene	8.579	146	233326	72.905	ng		98
15) Benzyl Alcohol	8.456	79	233374	76.140	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.743	45	573671	72.364	ng		99
17) 2-Methylphenol	8.450	107	116107	75.783	ng		89
18) Hexachloroethane	9.325	117	87876	75.469	ng		98
19) n-Nitroso-di-n-propyla...	9.031	70	192155	74.804	ng		99
20) 3+4-Methylphenols	8.984	107	285690	74.434	ng		98
22) Acetophenone	9.049	105	365265	74.412	ng	#	99
24) Nitrobenzene	9.431	77	273231	84.025	ng		97
25) Isophorone	9.966	82	539122	75.150	ng		100
26) 2-Nitrophenol	10.148	139	103090	79.938	ng		94
27) 2,4-Dimethylphenol	10.195	122	217977m	80.082	ng		
28) bis(2-Chloroethoxy)met...	10.436	93	299758	73.388	ng		99
29) 2,4-Dichlorophenol	10.682	162	231256	80.526	ng		97
30) 1,2,4-Trichlorobenzene	10.906	180	250883	76.888	ng		97
31) Naphthalene	11.100	128	744985	74.828	ng		99
32) Benzoic acid	10.342	122	164443m	78.645	ng		
33) 4-Chloroaniline	11.188	127	290611	75.100	ng		98
34) Hexachlorobutadiene	11.393	225	196140	76.863	ng		99
35) Caprolactam	11.975	113	83266	75.596	ng		93
36) 4-Chloro-3-methylphenol	12.298	107	265909	77.031	ng		99
37) 2-Methylnaphthalene	12.692	142	542132	74.168	ng		99
38) 1-Methylnaphthalene	12.909	142	527717	73.372	ng		98
40) 1,2,4,5-Tetrachloroben...	13.056	216	351719	78.328	ng		99
41) Hexachlorocyclopentadiene	13.038	237	163461	80.876	ng		99
43) 2,4,6-Trichlorophenol	13.279	196	218318	84.998	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064575.D
Acq On : 24 Oct 2025 14:24
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.350	196	243241	82.064	ng		99
46) 1,1'-Biphenyl	13.685	154	713186	74.977	ng		100
47) 2-Chloronaphthalene	13.732	162	547242	76.218	ng		99
48) 2-Nitroaniline	13.914	65	196580	79.301	ng		95
49) Acenaphthylene	14.566	152	858511	75.806	ng		99
50) Dimethylphthalate	14.290	163	782708	76.450	ng		98
51) 2,6-Dinitrotoluene	14.402	165	135769	78.216	ng		98
52) Acenaphthene	14.913	154	589213	76.150	ng		99
53) 3-Nitroaniline	14.731	138	159072	90.409	ng		96
54) 2,4-Dinitrophenol	14.930	184	82655	79.755	ng	#	65
55) Dibenzofuran	15.242	168	923386	73.816	ng		99
56) 4-Nitrophenol	15.018	139	142966	87.640	ng		98
57) 2,4-Dinitrotoluene	15.189	165	212164	79.117	ng		96
58) Fluorene	15.888	166	711212	72.801	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.459	232	240094	84.708	ng		99
60) Diethylphthalate	15.653	149	803621	76.874	ng		100
61) 4-Chlorophenyl-phenyle...	15.876	204	408239	74.463	ng		99
62) 4-Nitroaniline	15.894	138	173159	88.462	ng		96
63) Azobenzene	16.170	77	723988	75.482	ng		99
65) 4,6-Dinitro-2-methylph...	15.947	198	124101	80.450	ng		95
66) n-Nitrosodiphenylamine	16.088	169	666665	74.020	ng		98
67) 4-Bromophenyl-phenylether	16.769	248	299348	75.762	ng		99
68) Hexachlorobenzene	16.893	284	341338	75.724	ng		96
69) Atrazine	17.028	200	281950	72.745	ng		97
70) Pentachlorophenol	17.228	266	235472	83.771	ng		93
71) Phenanthrene	17.627	178	1340610	73.525	ng		99
72) Anthracene	17.715	178	1367044	73.704	ng		99
73) Carbazole	17.974	167	1195960	73.122	ng		99
74) Di-n-butylphthalate	18.538	149	1433446	75.790	ng		100
75) Fluoranthene	19.619	202	1663673	72.835	ng		98
77) Benzidine	19.783	184	556525	68.376	ng		98
78) Pyrene	19.977	202	1737788	73.215	ng		99
80) Butylbenzylphthalate	20.859	149	595333	82.988	ng		98
81) Benzo(a)anthracene	21.840	228	1805628	74.959	ng		99
82) 3,3'-Dichlorobenzidine	21.740	252	615546	76.524	ng		99
83) Chrysene	21.910	228	1704533	74.368	ng		97
84) Bis(2-ethylhexyl)phtha...	21.752	149	854027	79.672	ng		98
85) Di-n-octyl phthalate	23.015	149	1432956	79.289	ng		100
87) Indeno(1,2,3-cd)pyrene	29.061	276	2156428	76.663	ng		98
88) Benzo(b)fluoranthene	24.143	252	1810094	77.199	ng		99
89) Benzo(k)fluoranthene	24.219	252	1757758	74.916	ng		98
90) Benzo(a)pyrene	25.060	252	1649779	76.546	ng		99
91) Dibenzo(a,h)anthracene	29.137	278	1747890	76.486	ng		98
92) Benzo(g,h,i)perylene	29.061	276	2156428	76.663	ng		99

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

ICAL Form

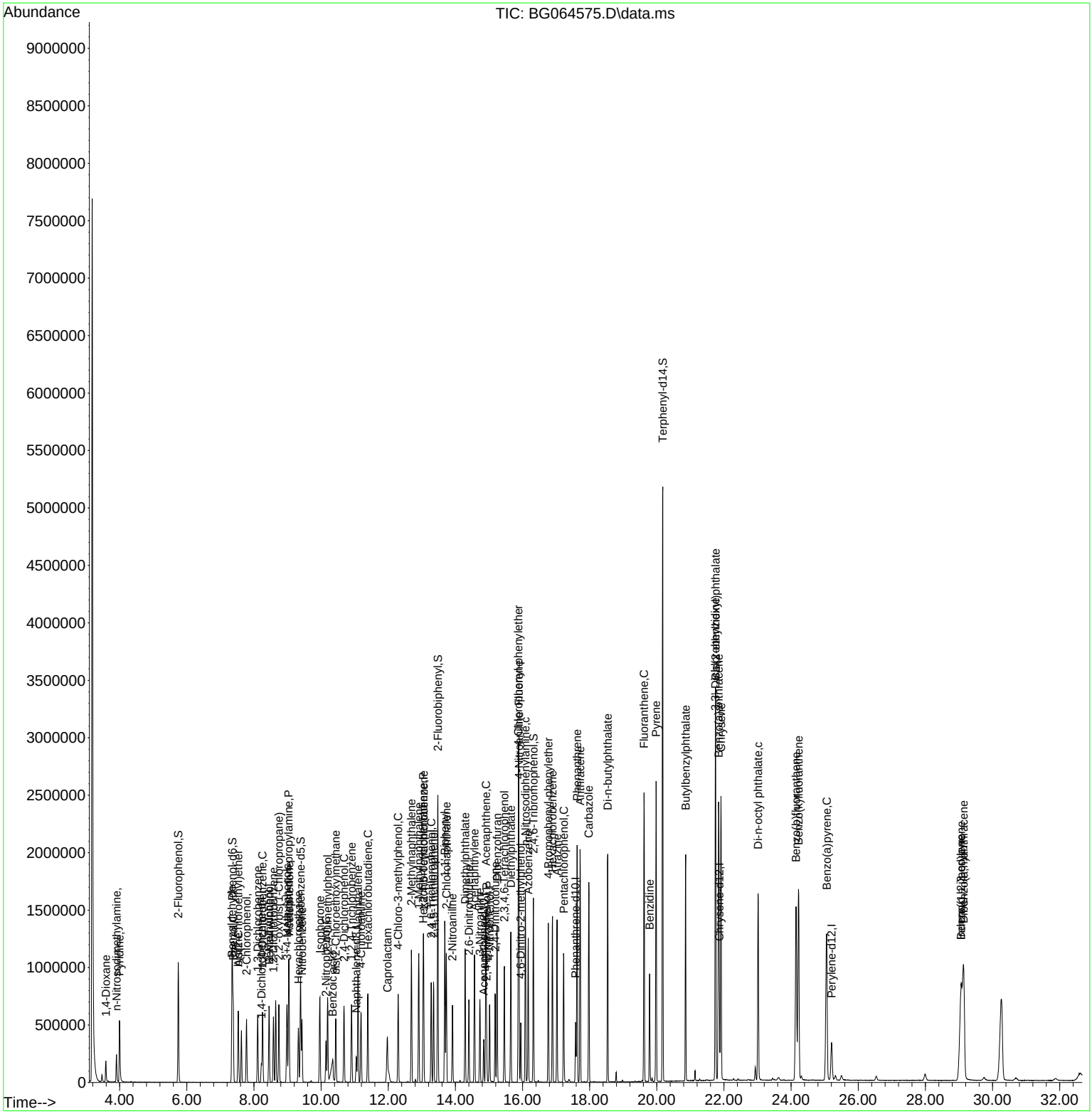
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064575.D
Acq On : 24 Oct 2025 14:24
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

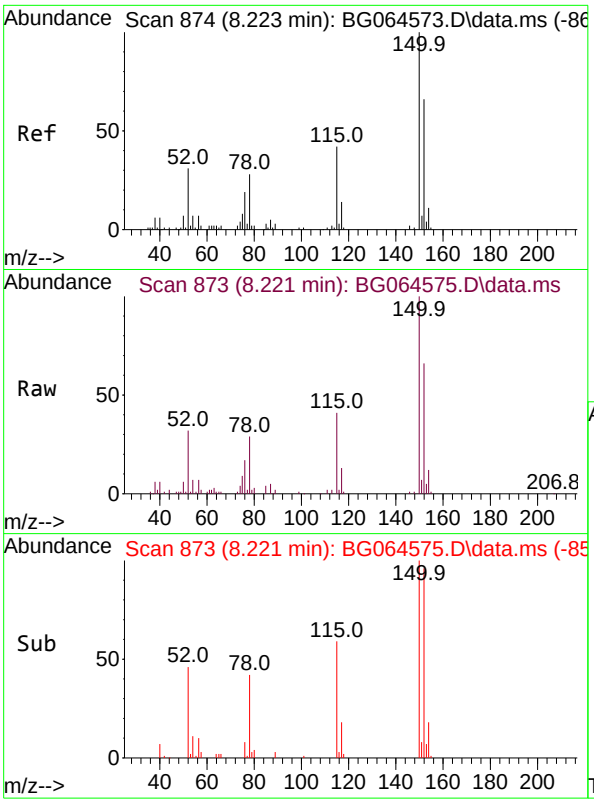
Quant Time: Oct 24 17:11:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

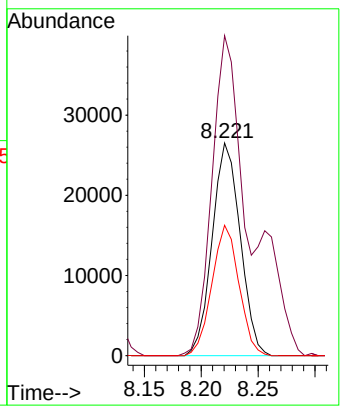




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.221 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:152 Resp: 4546

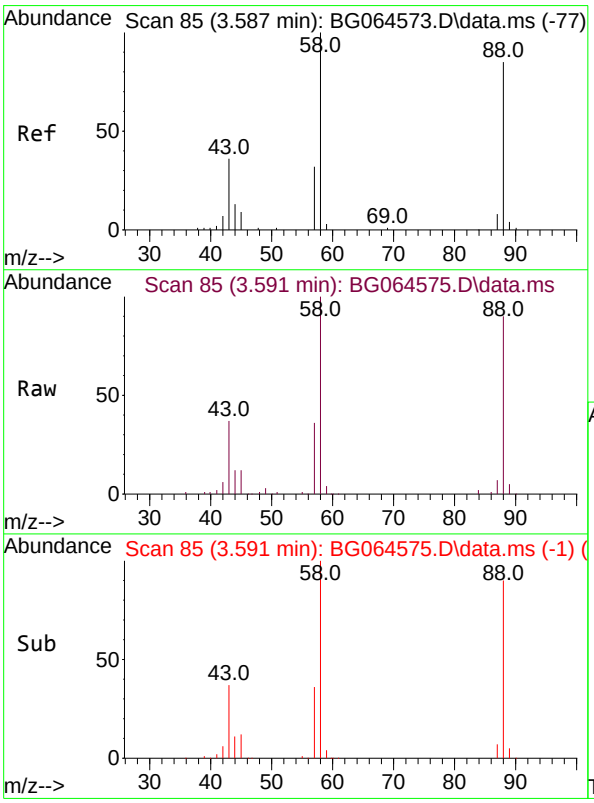
Ion	Ratio	Lower	Upper
152	100		
150	150.5	122.2	183.4
115	61.3	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

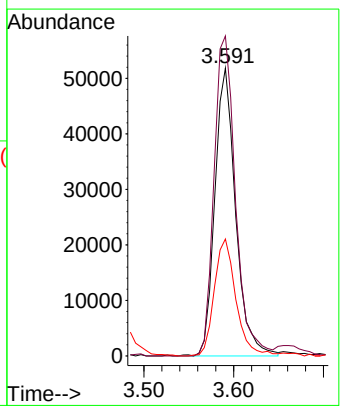
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

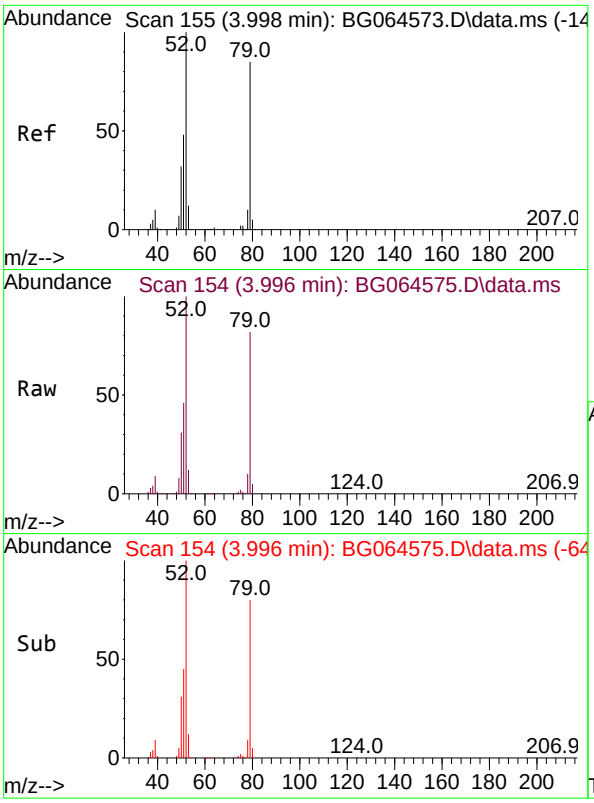


#2
1,4-Dioxane
Concen: 69.757 ng
RT: 3.591 min Scan# 85
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 88 Resp: 83655

Ion	Ratio	Lower	Upper
88	100		
58	114.3	92.4	138.6
43	42.2	33.0	49.6

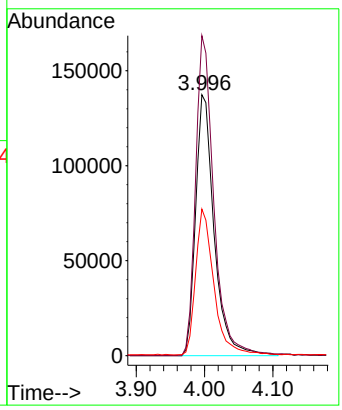




#3
Pyridine
Concen: 72.062 ng
RT: 3.996 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 79 Resp: 25951

Ion	Ratio	Lower	Upper
79	100		
52	122.7	94.2	141.2
51	56.2	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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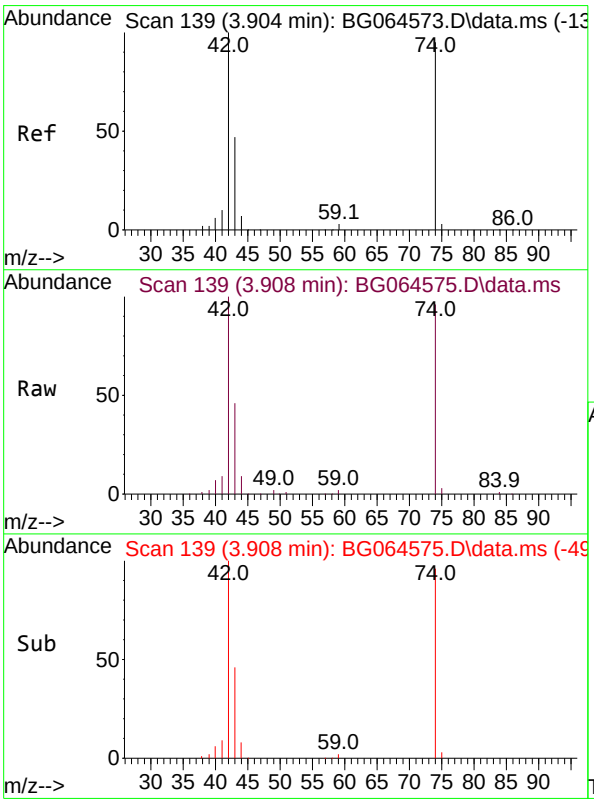
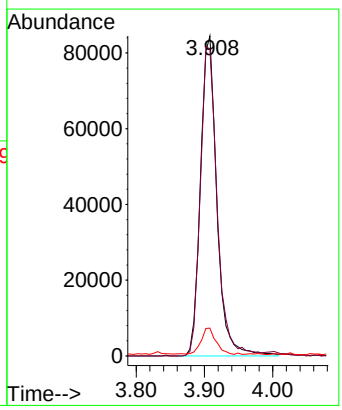
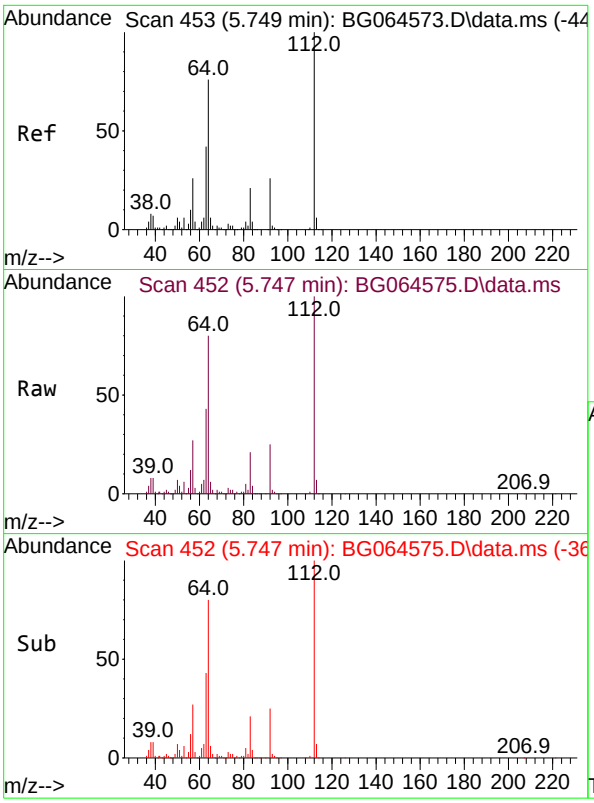


#4
n-Nitrosodimethylamine
Concen: 73.105 ng
RT: 3.908 min Scan# 139
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 42 Resp: 141185

Ion	Ratio	Lower	Upper
42	100		
74	96.0	76.1	114.1
44	8.7	6.3	9.5





#5
2-Fluorophenol
Concen: 151.948 ng
RT: 5.747 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:112 Resp: 41158

Ion	Ratio	Lower	Upper
112	100		
64	80.3	60.7	91.1
63	43.5	33.4	50.0

Instrument :
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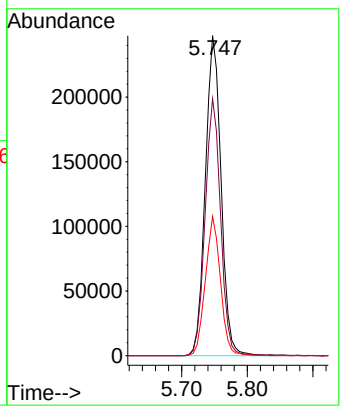
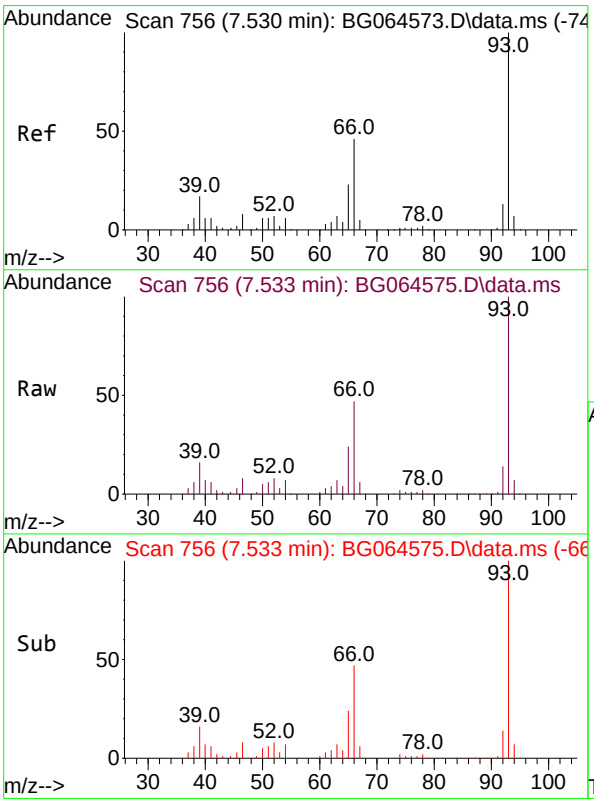
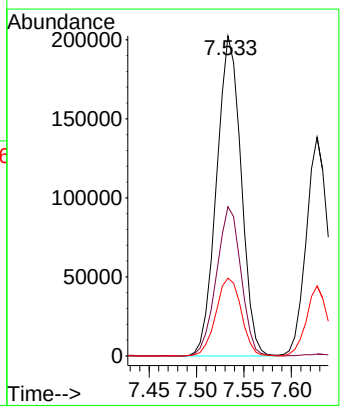


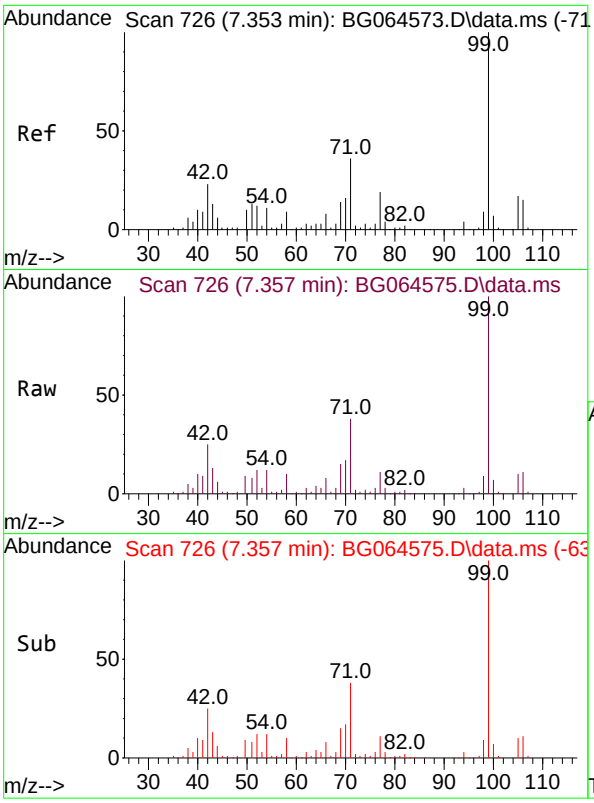


#6
Aniline
Concen: 72.073 ng
RT: 7.533 min Scan# 756
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 93 Resp: 364528

Ion	Ratio	Lower	Upper
93	100		
66	46.6	37.0	55.6
65	24.3	18.3	27.5

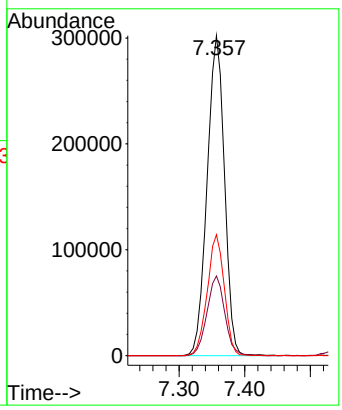




#7
Phenol-d6
Concen: 149.124 ng
RT: 7.357 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 99 Resp: 55428

Ion	Ratio	Lower	Upper
99	100		
42	24.9	18.3	27.5
71	37.8	28.6	43.0



Instrument :
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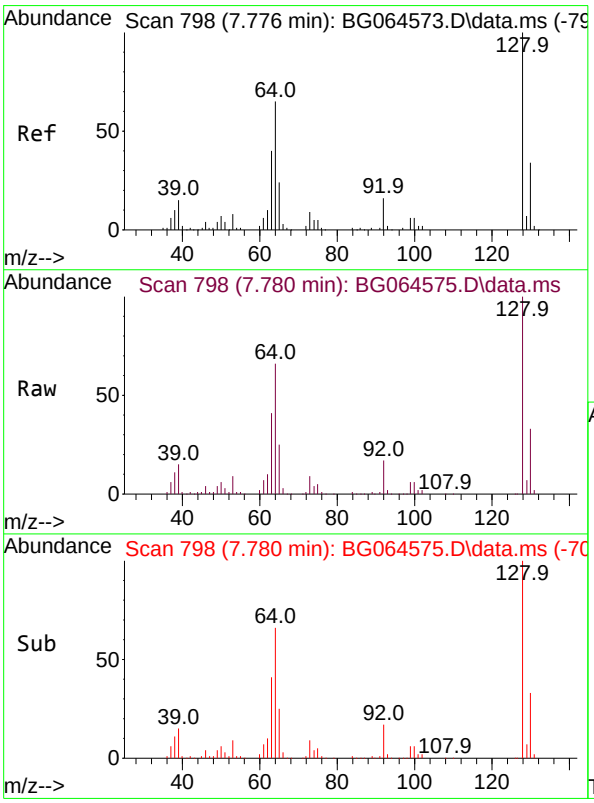
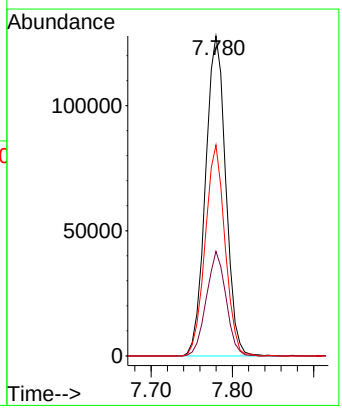
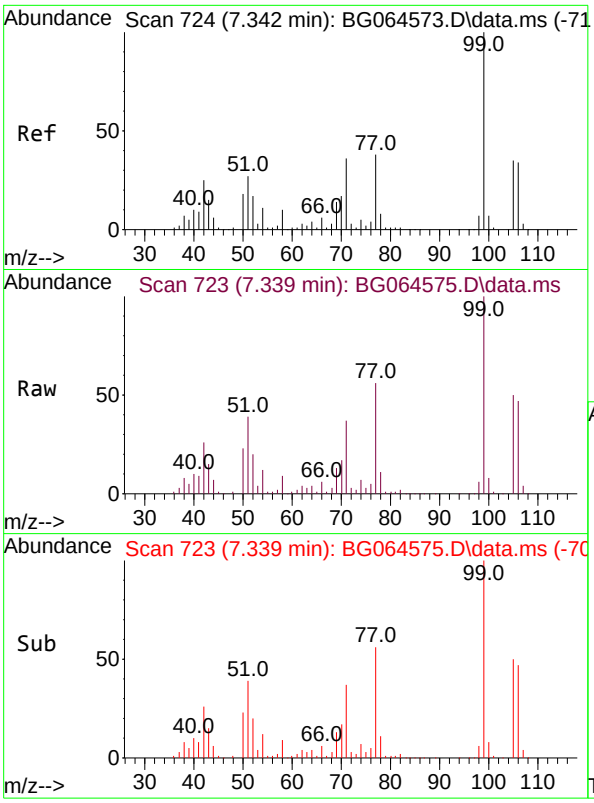


#8
2-Chlorophenol
Concen: 77.988 ng
RT: 7.780 min Scan# 798
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:128 Resp: 221112

Ion	Ratio	Lower	Upper
128	100		
130	32.7	13.5	53.5
64	65.9	45.2	85.2

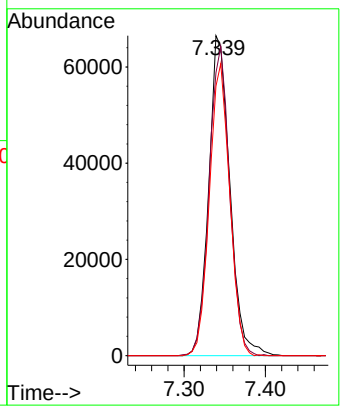




#9
Benzaldehyde
Concen: 59.361 ng
RT: 7.339 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 77 Resp: 120456

Ion	Ratio	Lower	Upper
77	100		
105	88.4	72.9	112.9
106	84.2	70.8	110.8



Instrument :
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ClientSampleId :
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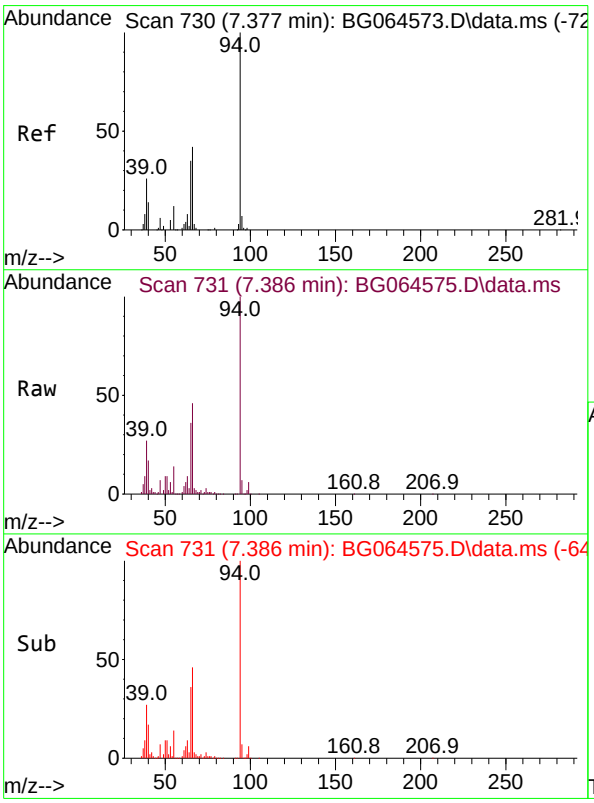
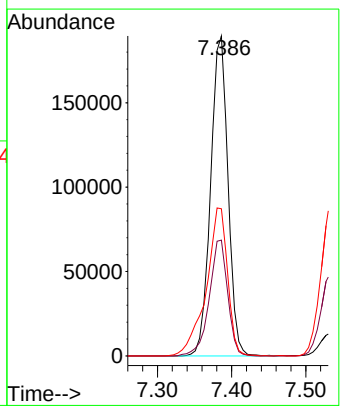
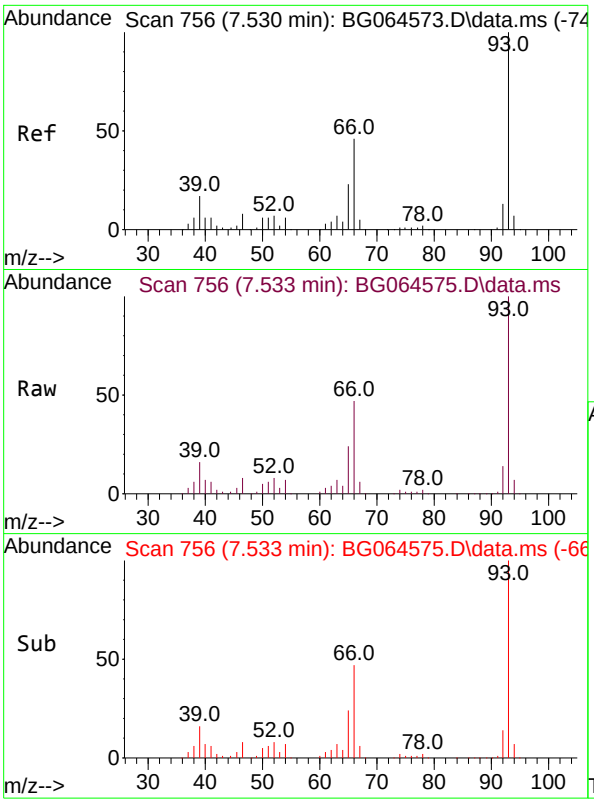


#10
Phenol
Concen: 74.900 ng
RT: 7.386 min Scan# 731
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 94 Resp: 307886

Ion	Ratio	Lower	Upper
94	100		
65	36.2	15.8	55.8
66	46.0	24.0	64.0

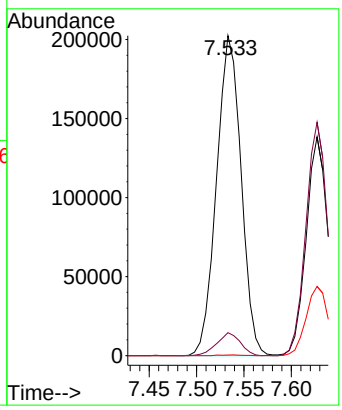




#11
bis(2-Chloroethyl)ether
Concen: 72.073 ng
RT: 7.533 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 93 Resp: 36452

Ion	Ratio	Lower	Upper
93	100		
63	7.2	0.0	27.4
95	0.2	0.0	20.2



Instrument :
BNA_G
ClientSampleId :
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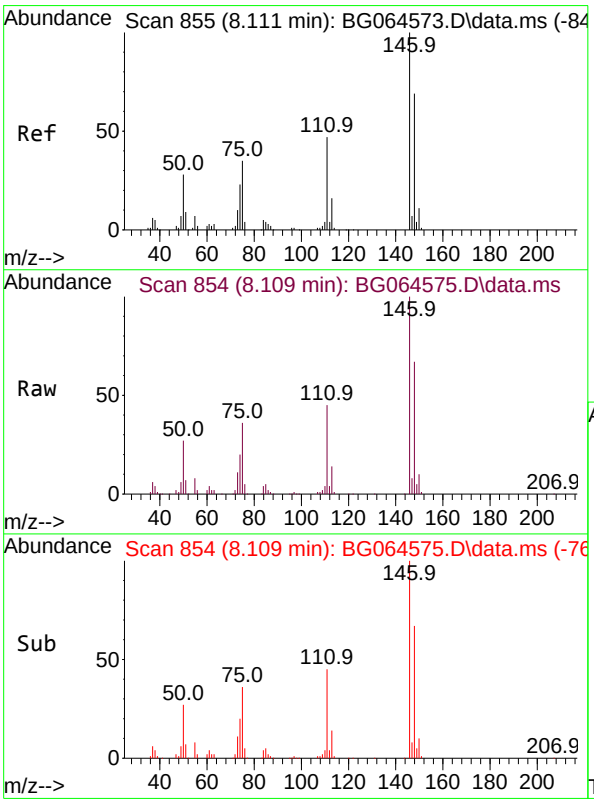
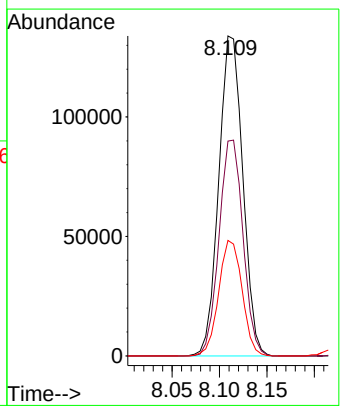
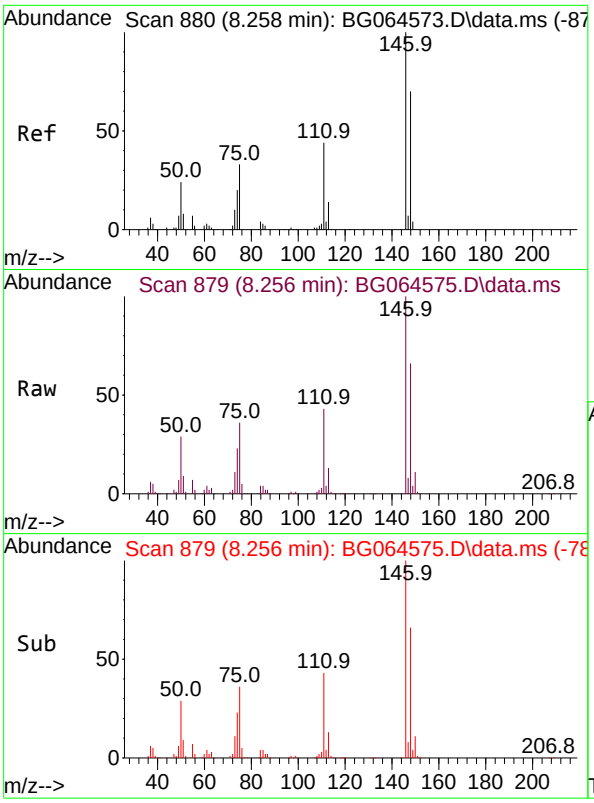


#12
1,3-Dichlorobenzene
Concen: 72.385 ng
RT: 8.109 min Scan# 854
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:146 Resp: 236208

Ion	Ratio	Lower	Upper
146	100		
148	67.1	55.3	82.9
75	36.1	28.2	42.2

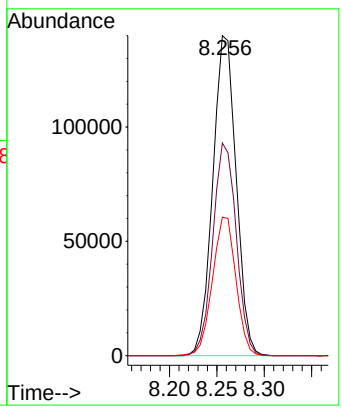




#13
1,4-Dichlorobenzene
Concen: 72.504 ng
RT: 8.256 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:146 Resp: 24057

Ion	Ratio	Lower	Upper
146	100		
148	66.4	56.2	84.4
111	43.2	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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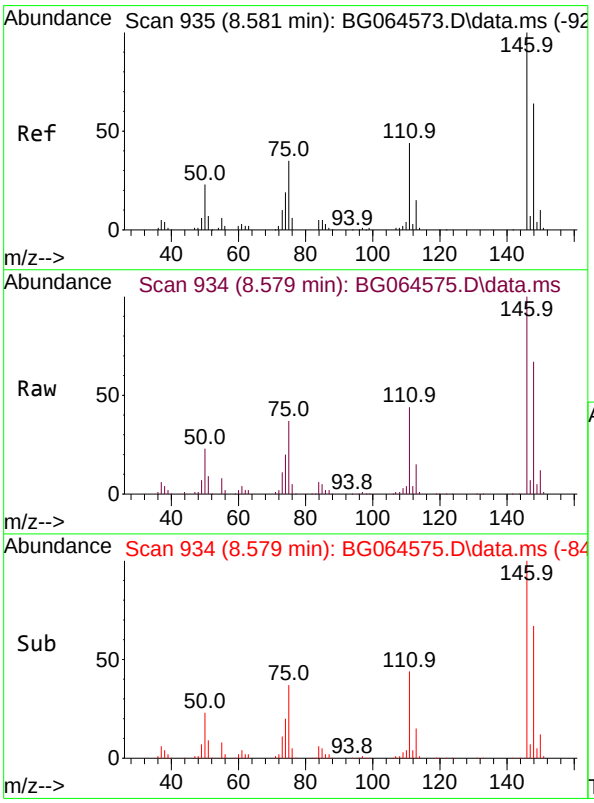
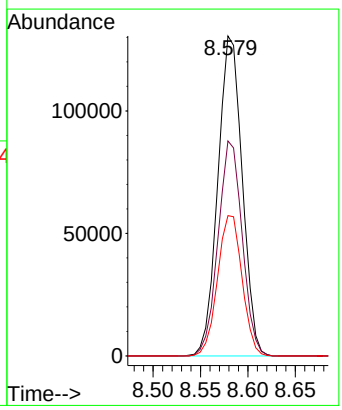
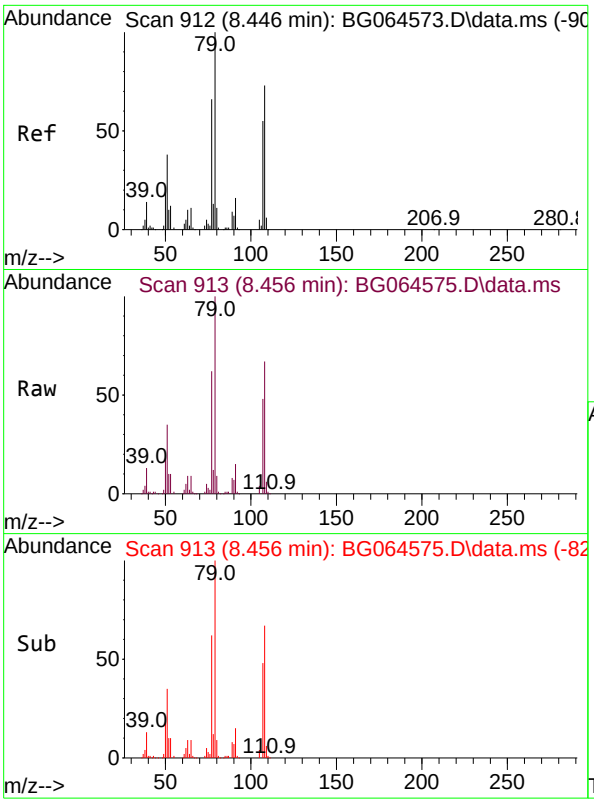


#14
1,2-Dichlorobenzene
Concen: 72.905 ng
RT: 8.579 min Scan# 934
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:146 Resp: 233326

Ion	Ratio	Lower	Upper
146	100		
148	67.2	51.5	77.3
111	43.8	35.0	52.6

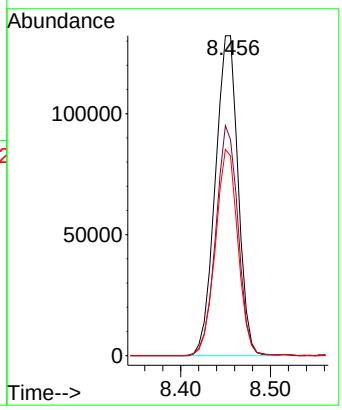




#15
Benzyl Alcohol
Concen: 76.140 ng
RT: 8.456 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 79 Resp: 23337

Ion	Ratio	Lower	Upper
79	100		
108	67.5	58.1	87.1
77	62.4	52.8	79.2



Instrument :
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ClientSampleId :
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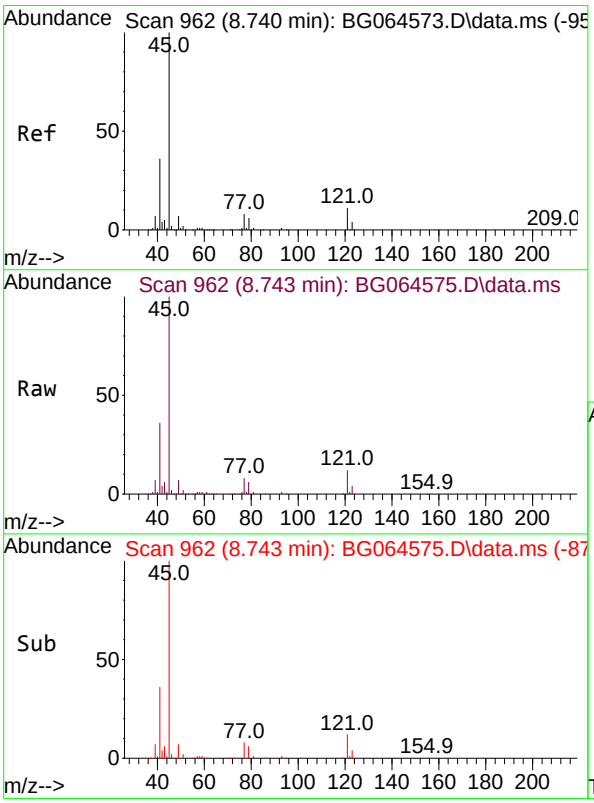
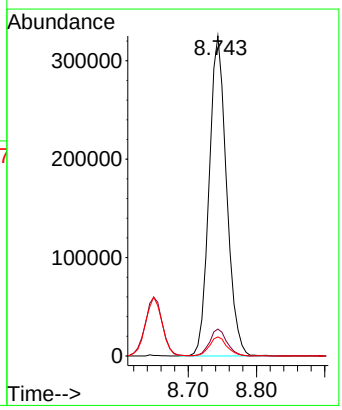
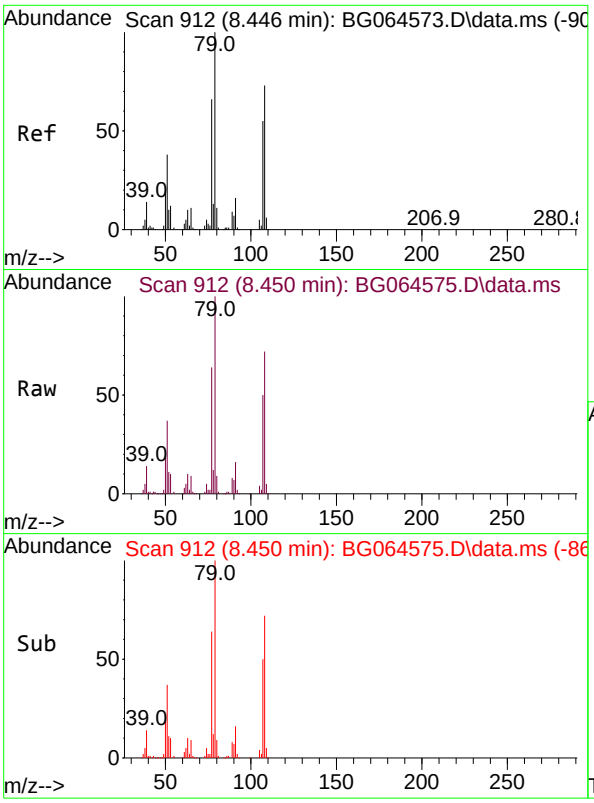


#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.364 ng
RT: 8.743 min Scan# 962
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 45 Resp: 573671

Ion	Ratio	Lower	Upper
45	100		
77	8.4	0.0	28.5
79	5.9	0.0	25.6

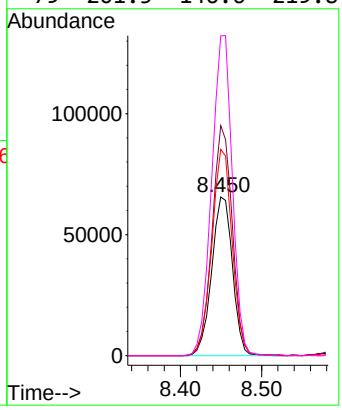




#17
2-Methylphenol
Concen: 75.783 ng
RT: 8.450 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:107 Resp: 11610

Ion	Ratio	Lower	Upper
107	100		
108	145.0	106.4	159.6
77	130.0	96.7	145.1
79	201.5	146.6	219.8



Instrument :
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ClientSampleId :
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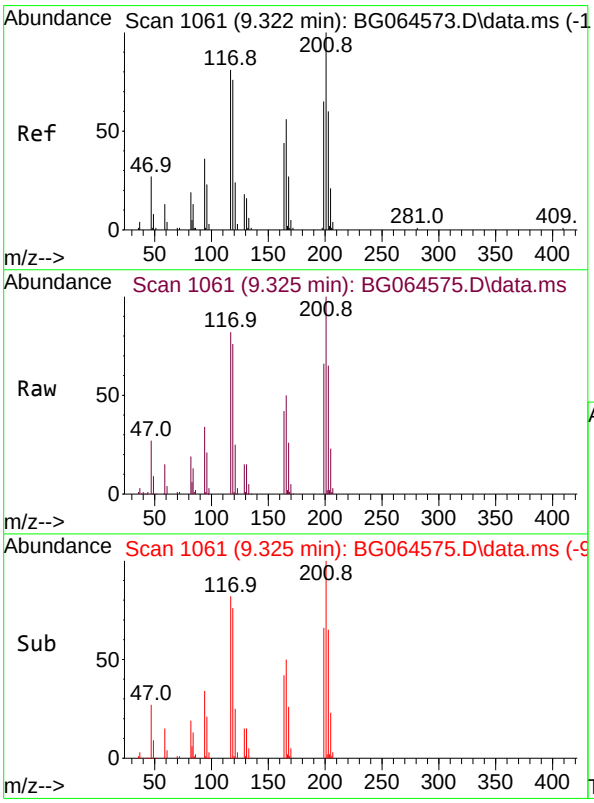
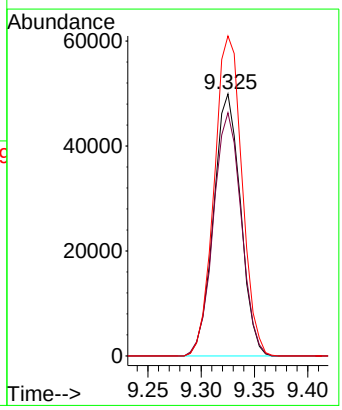
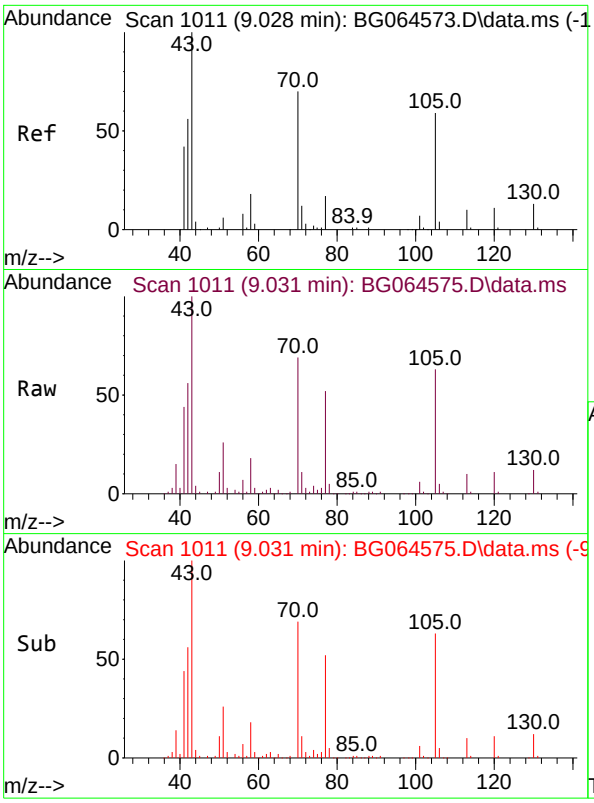


#18
Hexachloroethane
Concen: 75.469 ng
RT: 9.325 min Scan# 1061
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:117 Resp: 87876

Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.4	113.2
201	122.1	99.2	148.8

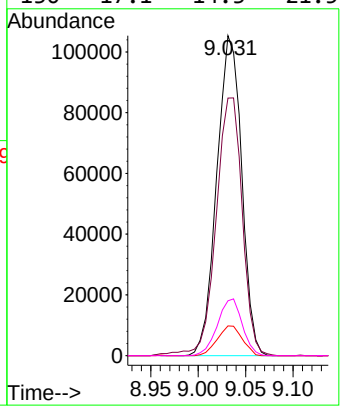




#19
n-Nitroso-di-n-propylamine
Concen: 74.804 ng
RT: 9.031 min Scan# 10
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 70 Resp: 19215

Ion	Ratio	Lower	Upper
70	100		
42	80.5	65.2	97.8
101	9.3	7.9	11.9
130	17.1	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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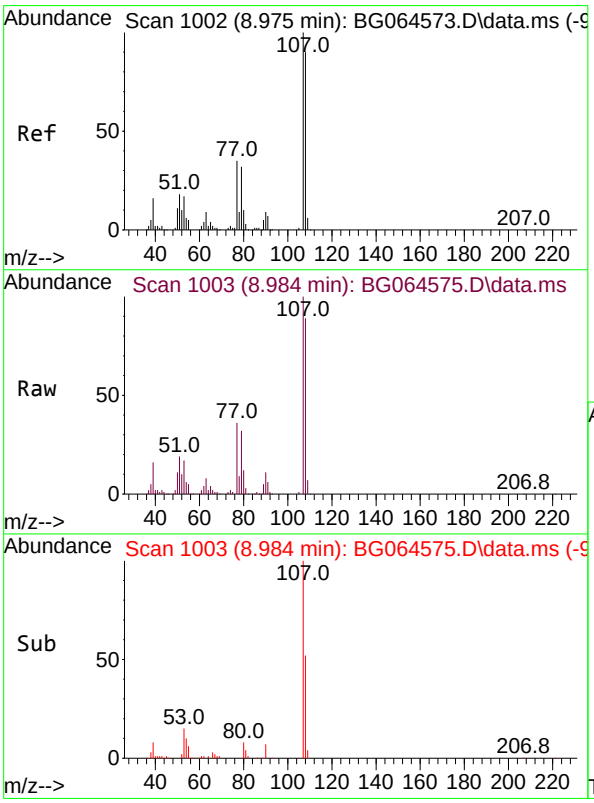
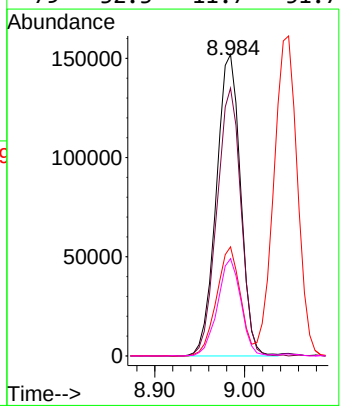
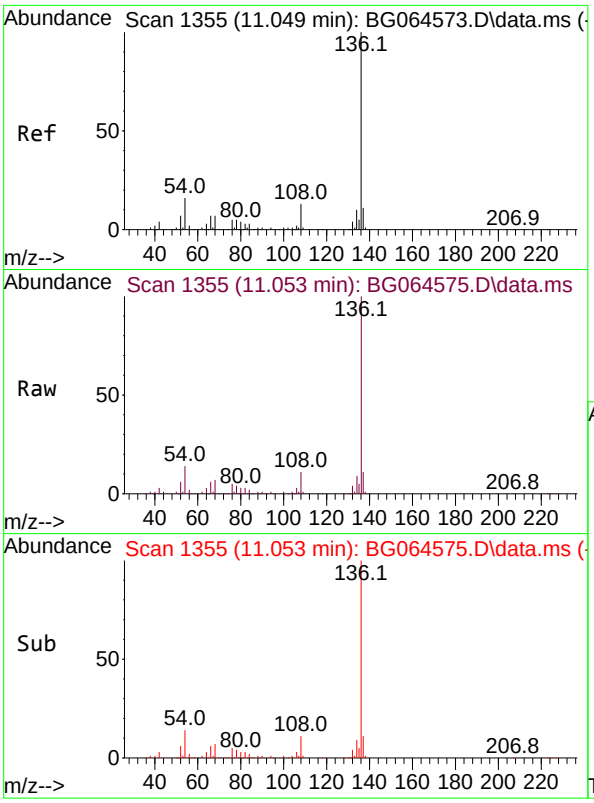


#20
3+4-Methylphenols
Concen: 74.434 ng
RT: 8.984 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:107 Resp: 285690

Ion	Ratio	Lower	Upper
107	100		
108	88.9	70.3	110.3
77	36.2	14.6	54.6
79	32.3	11.7	51.7

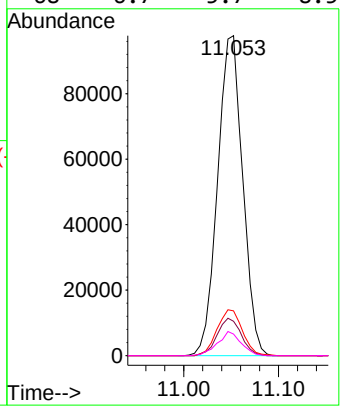




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.053 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:136 Resp: 179569

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	14.0	12.6	19.0
68	6.7	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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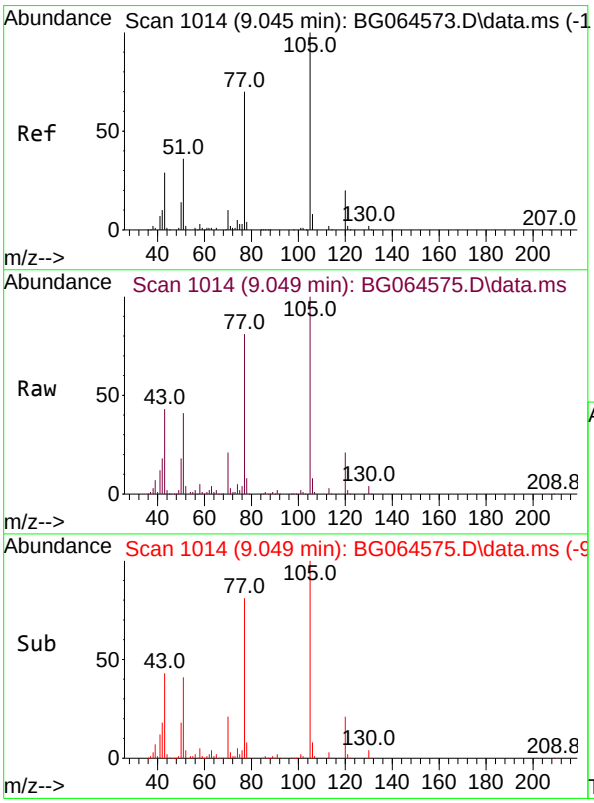
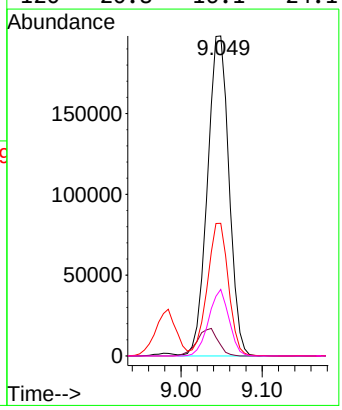
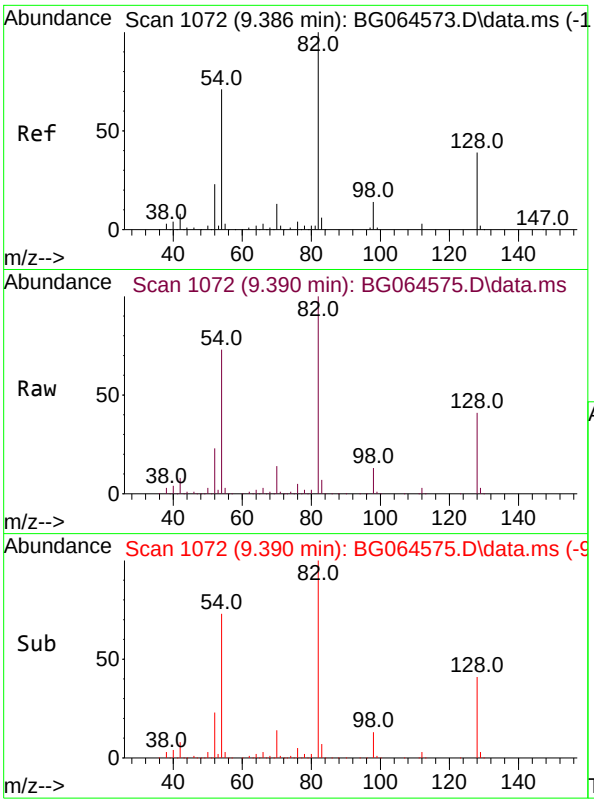


#22
Acetophenone
Concen: 74.412 ng
RT: 9.049 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:105 Resp: 365265

Ion	Ratio	Lower	Upper
105	100		
71	3.4	1.5	2.3#
51	41.4	33.7	50.5
120	20.8	16.1	24.1

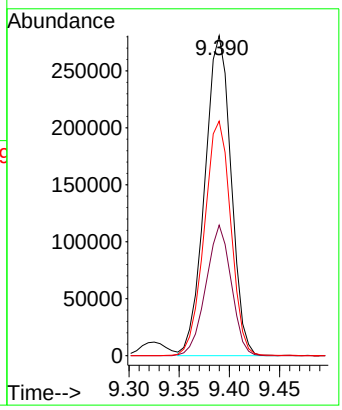




#23
Nitrobenzene-d5
Concen: 171.034 ng
RT: 9.390 min Scan# 10
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 82 Resp: 511341

Ion	Ratio	Lower	Upper
82	100		
128	40.8	31.3	46.9
54	73.3	56.6	84.8



Instrument :
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ClientSampleId :
SSTDICC080

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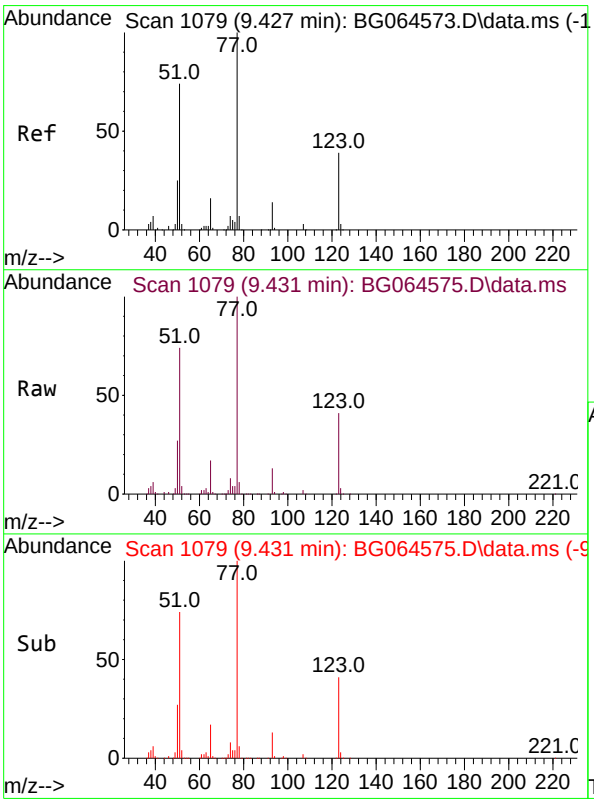
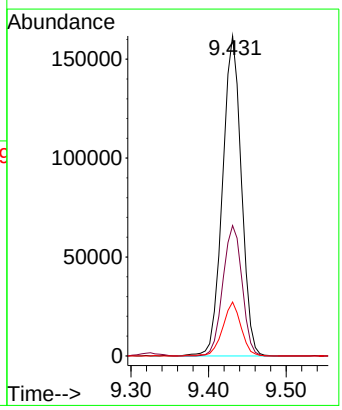
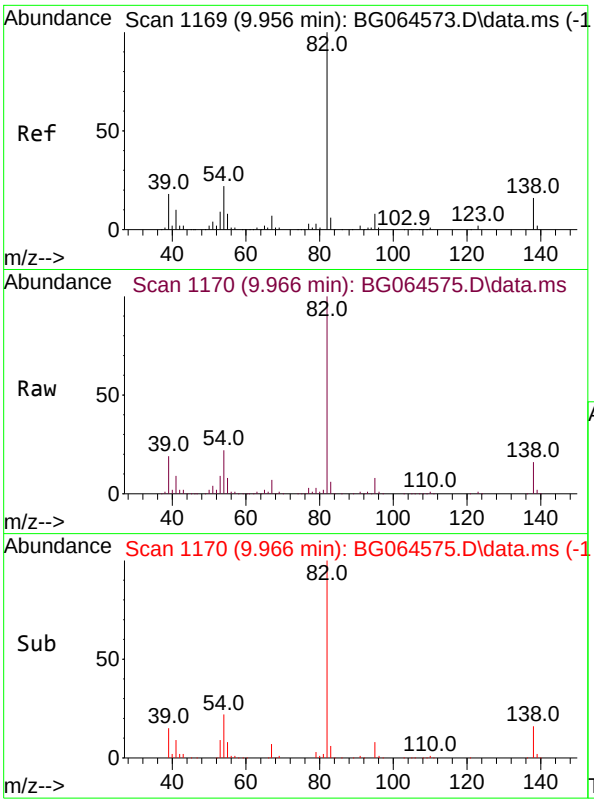


#24
Nitrobenzene
Concen: 84.025 ng
RT: 9.431 min Scan# 1079
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 77 Resp: 273231

Ion	Ratio	Lower	Upper
77	100		
123	40.7	31.0	46.6
65	16.8	12.7	19.1

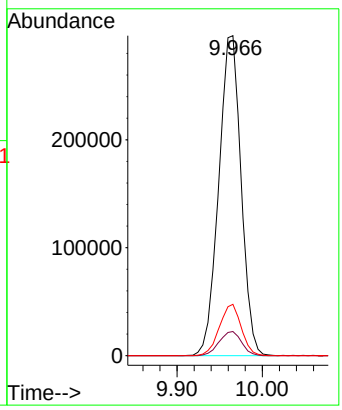




#25
Isophorone
Concen: 75.150 ng
RT: 9.966 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 82 Resp: 53912

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.1	9.1
138	16.0	13.0	19.4



Instrument :
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ClientSampleId :
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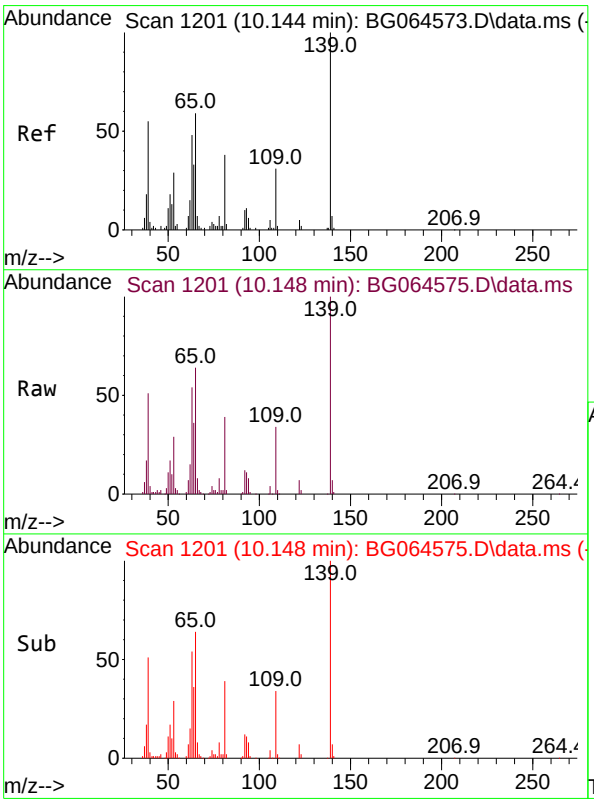
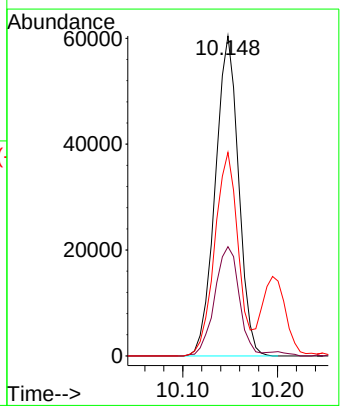
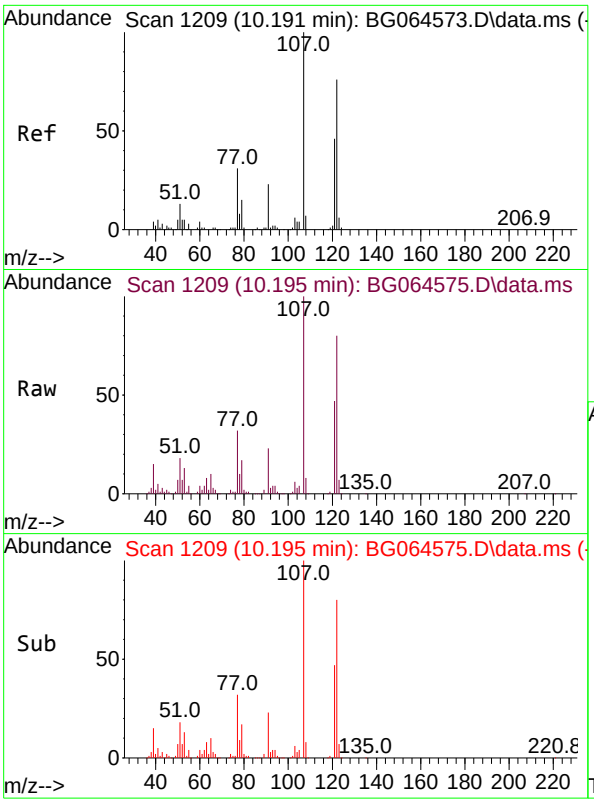


#26
2-Nitrophenol
Concen: 79.938 ng
RT: 10.148 min Scan# 1201
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:139 Resp: 103090

Ion	Ratio	Lower	Upper
139	100		
109	34.1	24.6	37.0
65	63.6	47.5	71.3

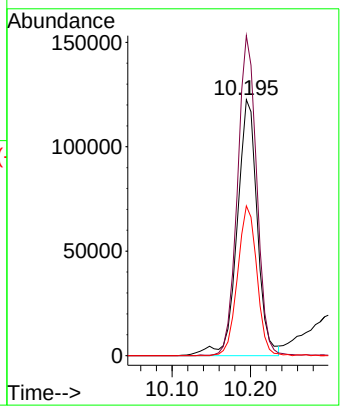




#27
2,4-Dimethylphenol
Concen: 80.082 ng m
RT: 10.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:122 Resp: 21797

Ion	Ratio	Lower	Upper
122	100		
107	125.0	103.0	154.4
121	58.5	47.8	71.8



Instrument :
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ClientSampleId :
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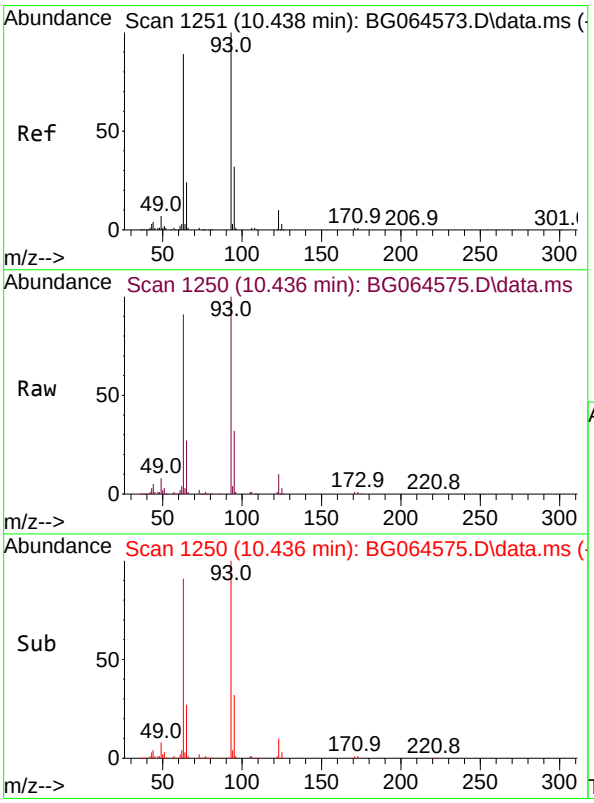
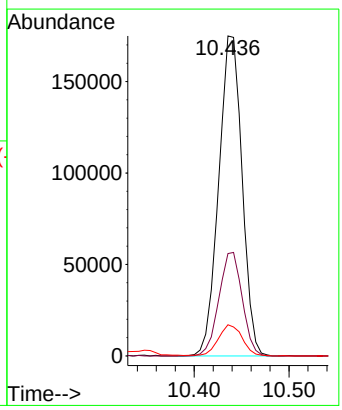
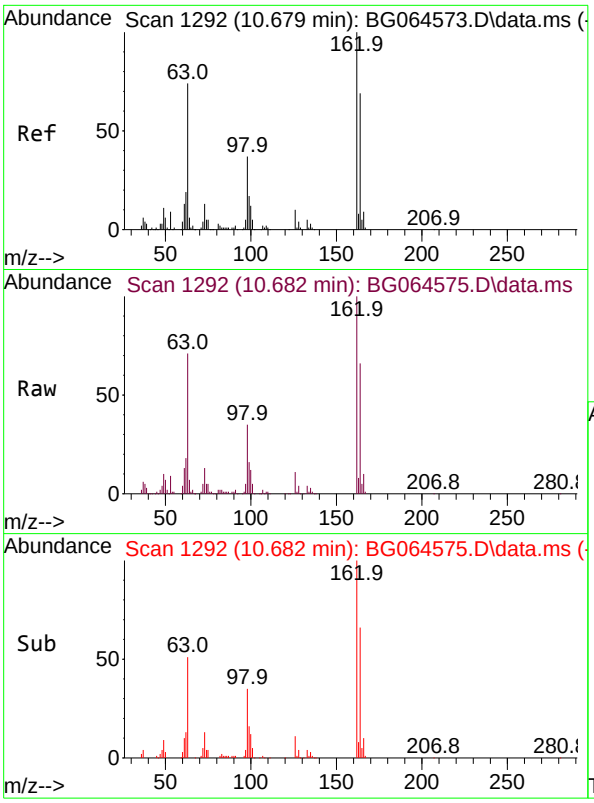


#28
bis(2-Chloroethoxy)methane
Concen: 73.388 ng
RT: 10.436 min Scan# 1250
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 93 Resp: 299758

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.4	38.2
123	9.7	8.4	12.6

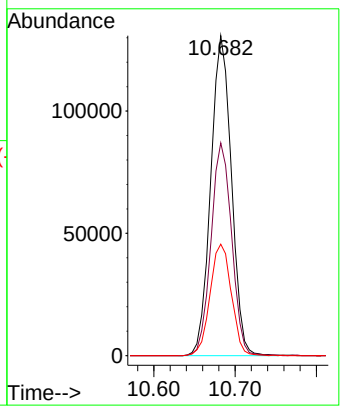




#29
2,4-Dichlorophenol
Concen: 80.526 ng
RT: 10.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:162 Resp: 23125

Ion	Ratio	Lower	Upper
162	100		
164	66.5	48.7	88.7
98	34.8	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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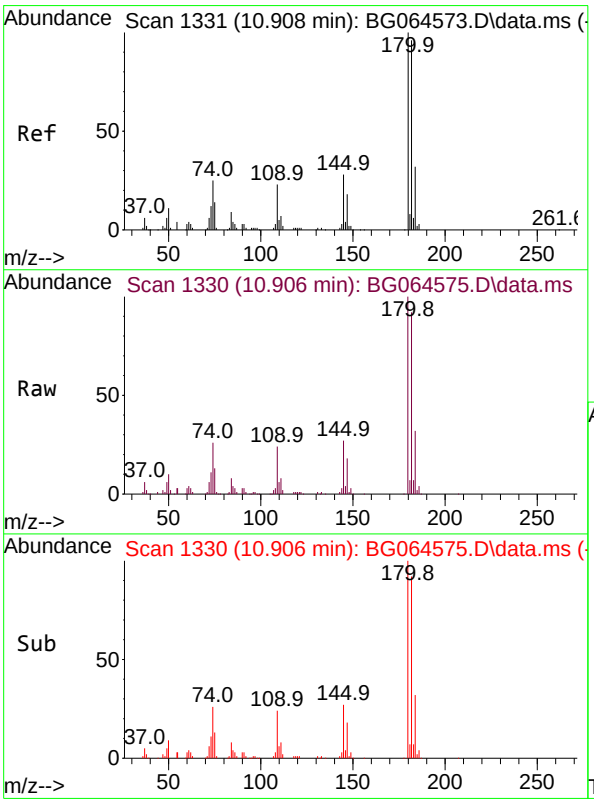
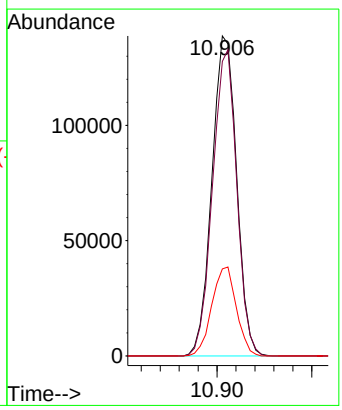
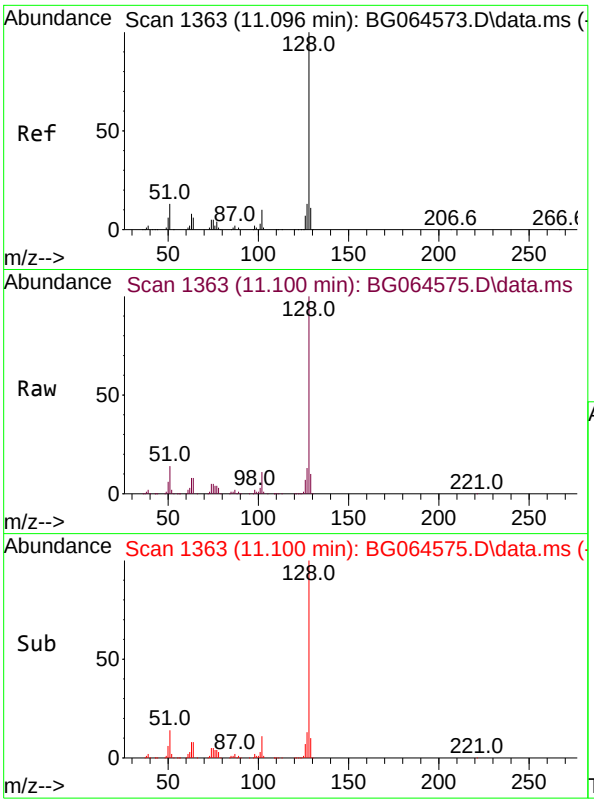


#30
1,2,4-Trichlorobenzene
Concen: 76.888 ng
RT: 10.906 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:180 Resp: 250883

Ion	Ratio	Lower	Upper
180	100		
182	92.0	76.9	115.3
145	27.2	22.1	33.1

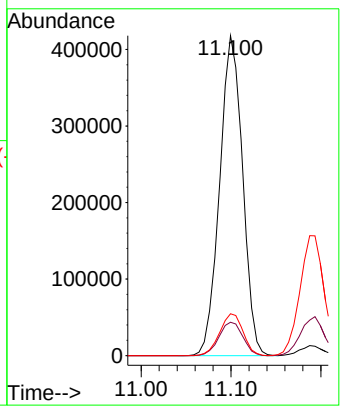




#31
Naphthalene
Concen: 74.828 ng
RT: 11.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:128 Resp: 74498

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	13.1	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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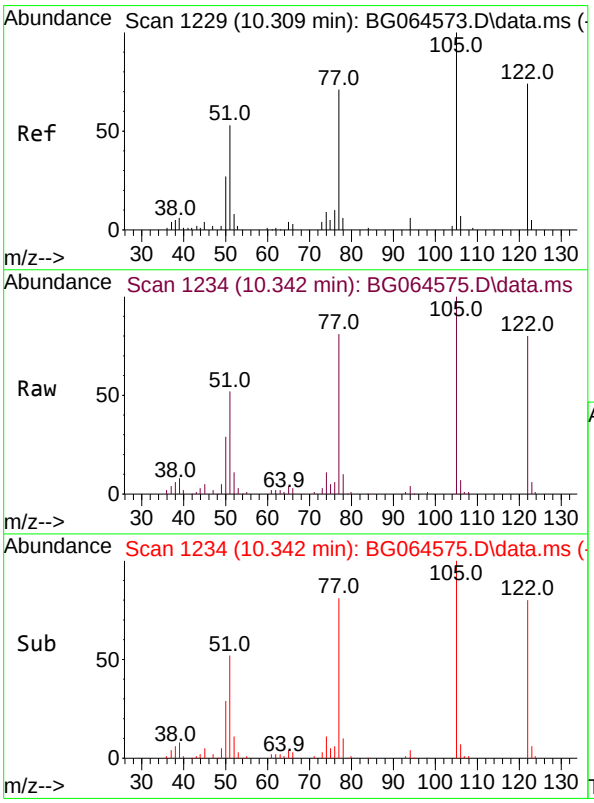
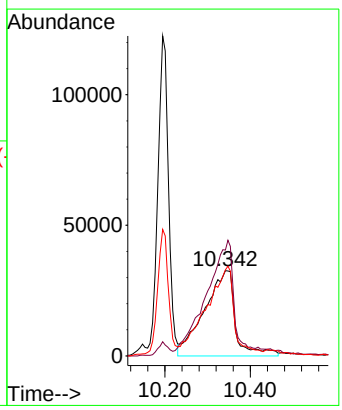
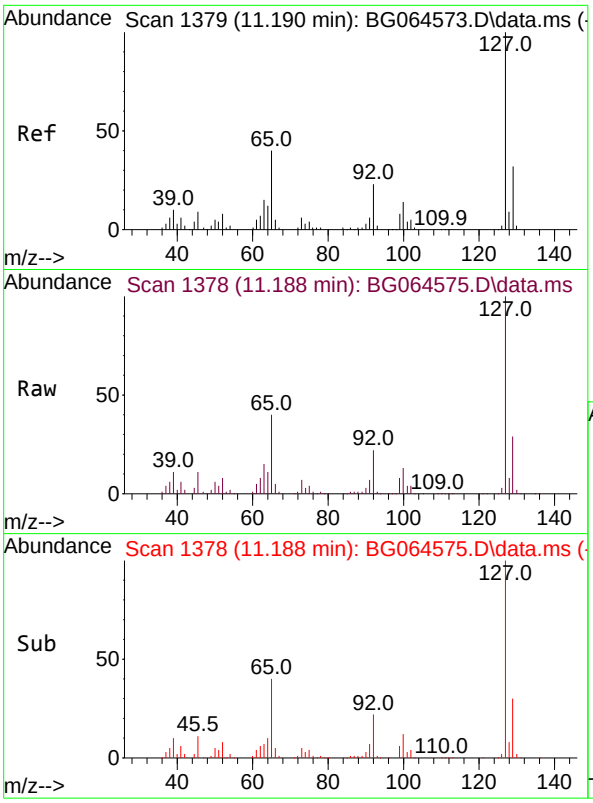


#32
Benzoic acid
Concen: 78.645 ng m
RT: 10.342 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:122 Resp: 164443

Ion	Ratio	Lower	Upper
122	100		
105	124.4	104.2	144.2
77	100.9	70.2	110.2

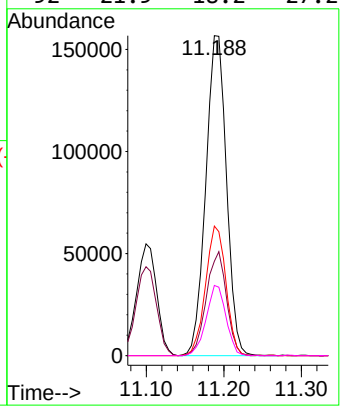




#33
4-Chloroaniline
Concen: 75.100 ng
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:127 Resp: 29061

Ion	Ratio	Lower	Upper
127	100		
129	29.5	25.5	38.3
65	40.5	32.2	48.4
92	21.9	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
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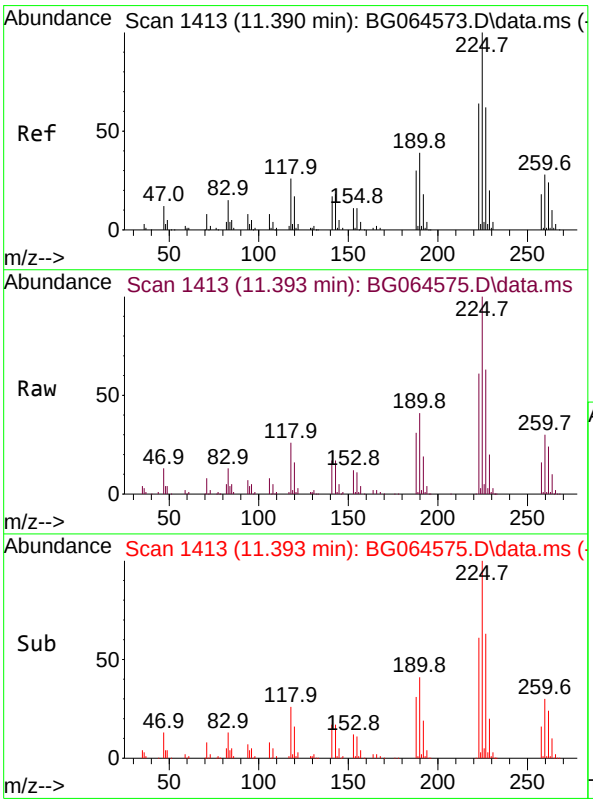
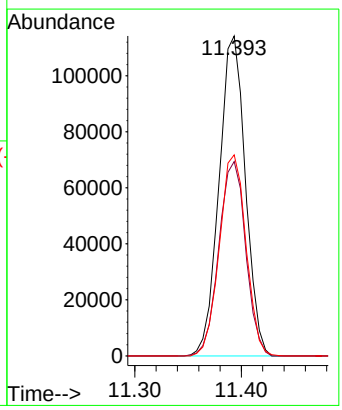
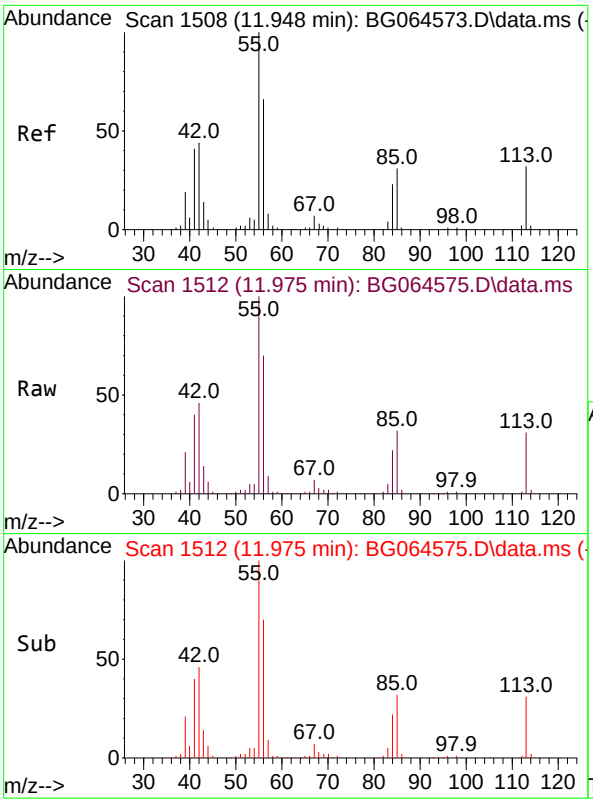


#34
Hexachlorobutadiene
Concen: 76.863 ng
RT: 11.393 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:225 Resp: 196140

Ion	Ratio	Lower	Upper
225	100		
223	60.7	48.8	73.2
227	62.8	49.5	74.3

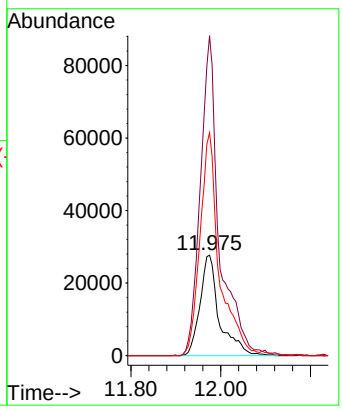




#35
Caprolactam
Concen: 75.596 ng
RT: 11.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:113 Resp: 8326

Ion	Ratio	Lower	Upper
113	100		
55	318.6	290.1	330.1
56	221.7	183.8	223.8



Instrument :
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ClientSampleId :
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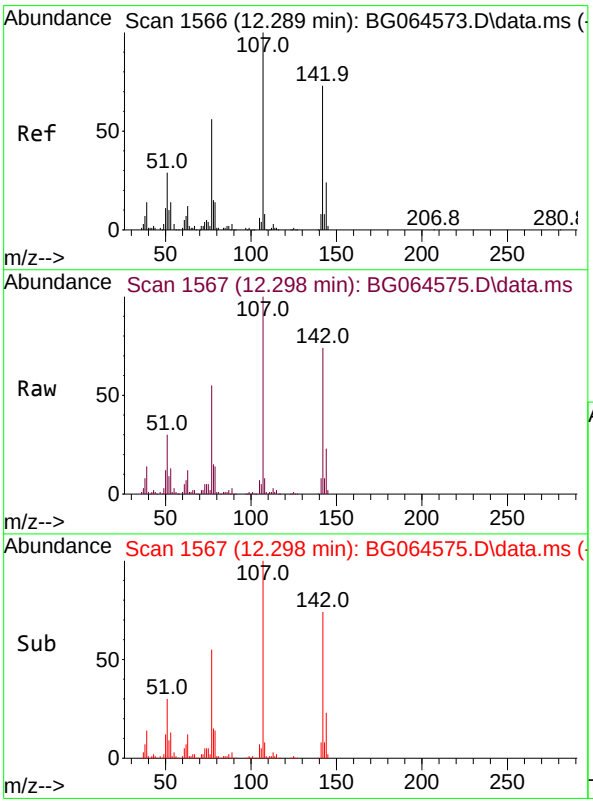
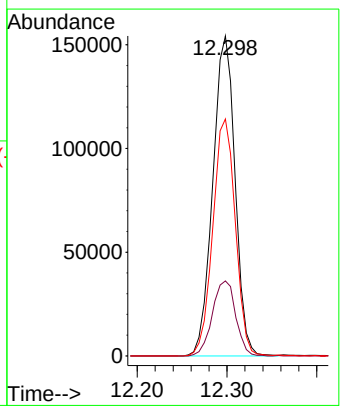
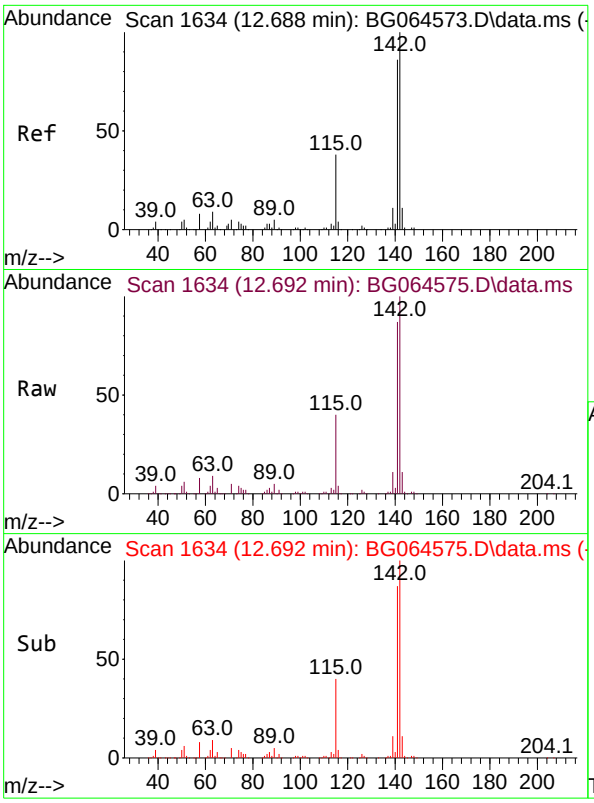


#36
4-Chloro-3-methylphenol
Concen: 77.031 ng
RT: 12.298 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:107 Resp: 265909

Ion	Ratio	Lower	Upper
107	100		
144	23.4	19.1	28.7
142	74.0	58.6	87.8

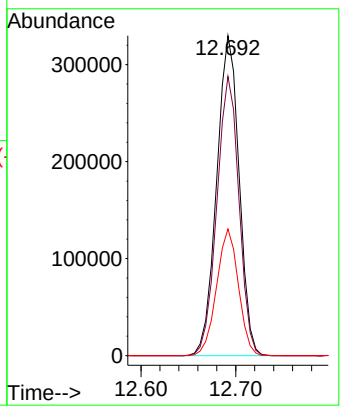




#37
2-Methylnaphthalene
Concen: 74.168 ng
RT: 12.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:142 Resp: 54213

Ion	Ratio	Lower	Upper
142	100		
141	87.2	68.9	103.3
115	39.6	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
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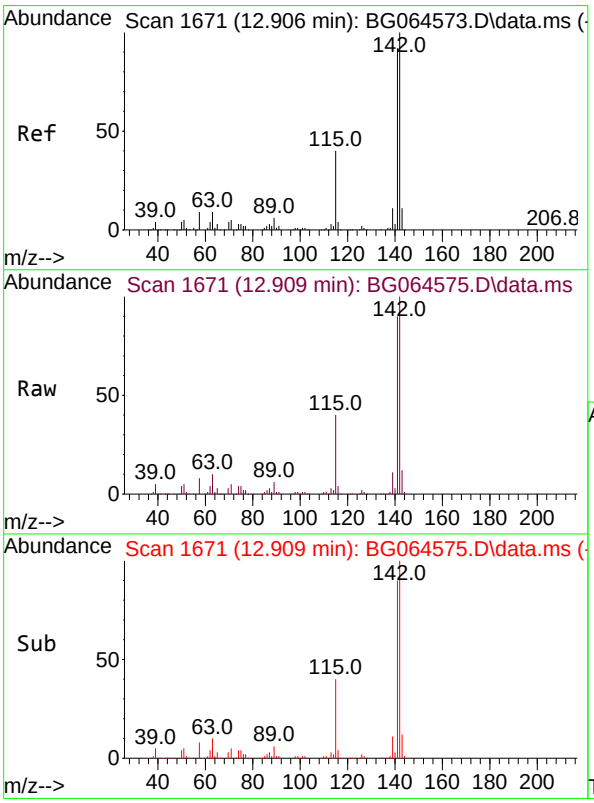
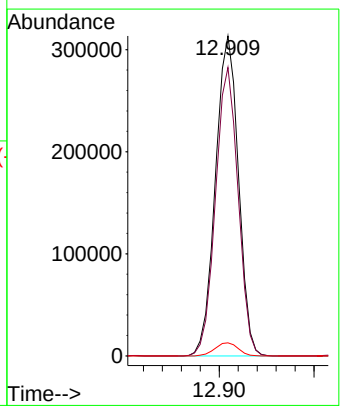
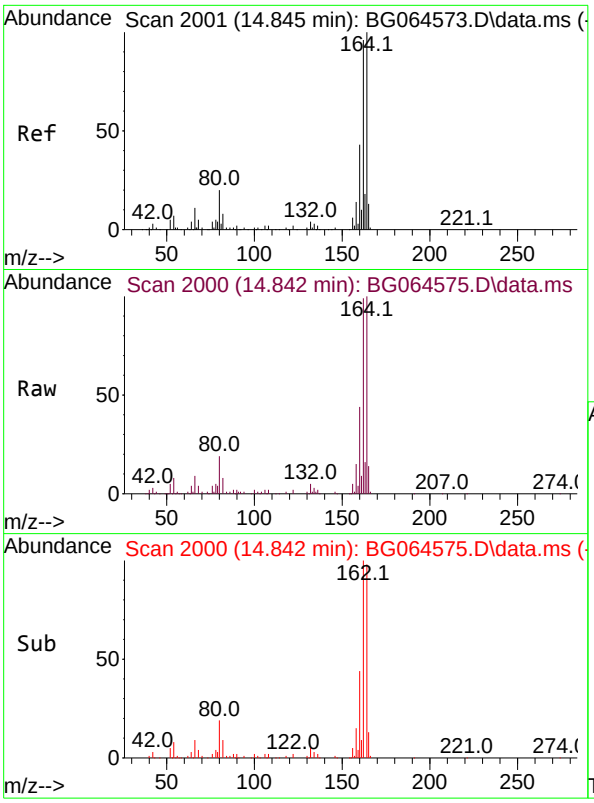


#38
1-Methylnaphthalene
Concen: 73.372 ng
RT: 12.909 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:142 Resp: 527717

Ion	Ratio	Lower	Upper
142	100		
141	90.1	73.3	109.9
116	4.1	3.1	4.7

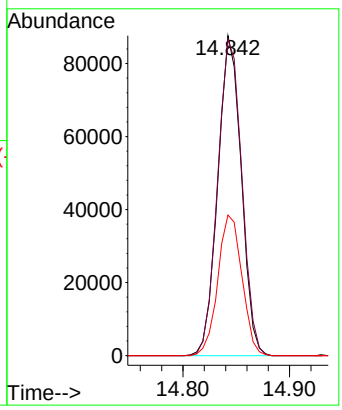




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:164 Resp: 13379

Ion	Ratio	Lower	Upper
164	100		
162	98.9	77.0	115.6
160	43.9	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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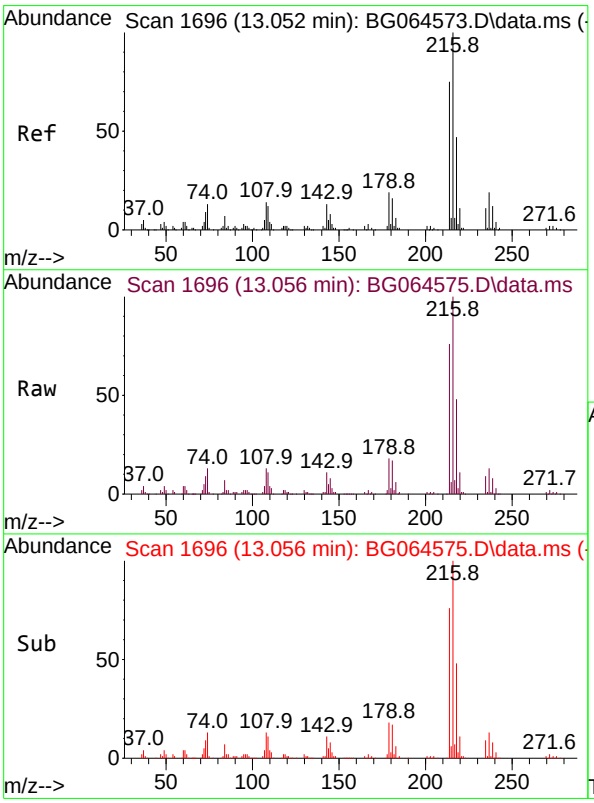
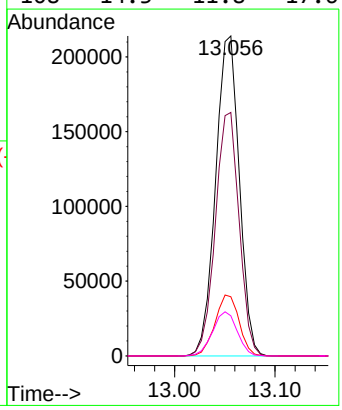
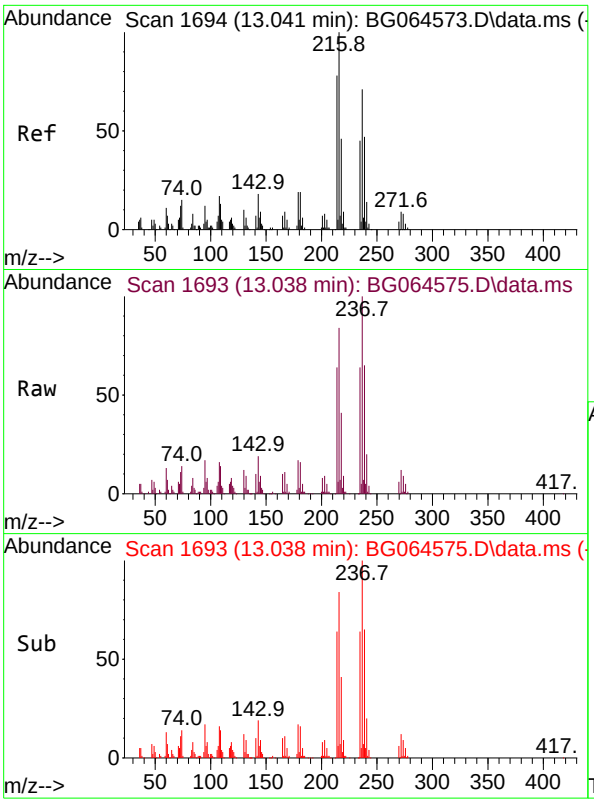


#40
1,2,4,5-Tetrachlorobenzene
Concen: 78.328 ng
RT: 13.056 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:216 Resp: 351719

Ion	Ratio	Lower	Upper
216	100		
214	76.1	61.4	92.2
179	19.3	15.4	23.0
108	14.3	11.8	17.6

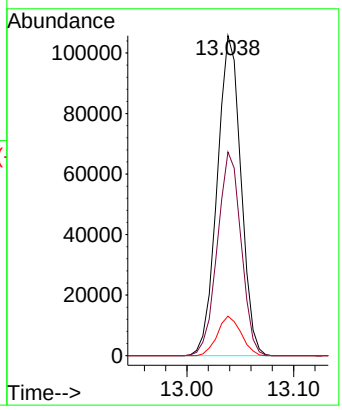




#41
Hexachlorocyclopentadiene
Concen: 80.876 ng
RT: 13.038 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:237 Resp: 16346

Ion	Ratio	Lower	Upper
237	100		
235	63.6	44.1	84.1
272	12.3	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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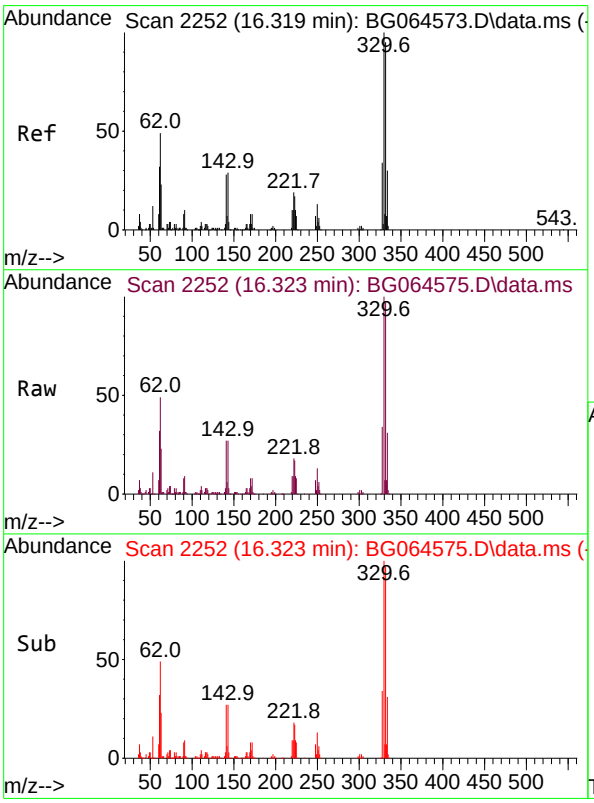
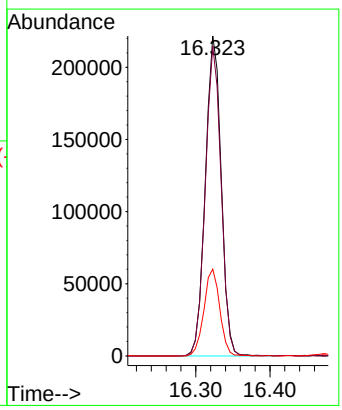
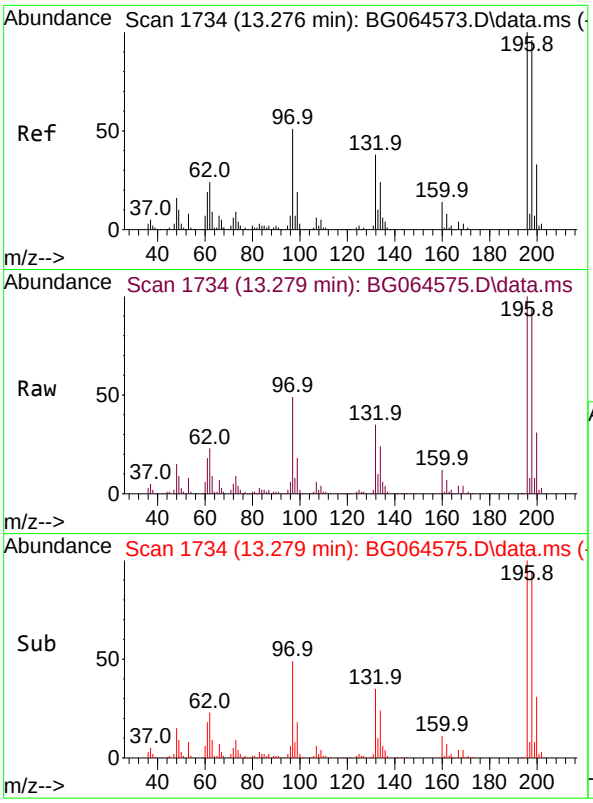


#42
2,4,6-Tribromophenol
Concen: 169.886 ng
RT: 16.323 min Scan# 2252
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:330 Resp: 328066

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	27.1	21.8	32.6





#43
2,4,6-Trichlorophenol
Concen: 84.998 ng
RT: 13.279 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:196 Resp: 21831

Ion	Ratio	Lower	Upper
196	100		
198	94.0	76.6	115.0
200	31.2	26.0	39.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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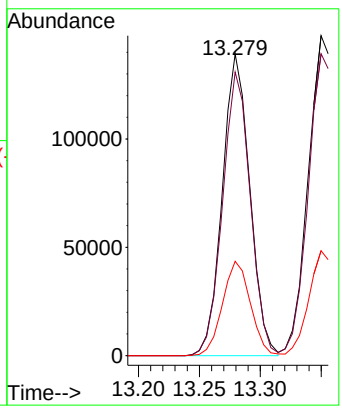
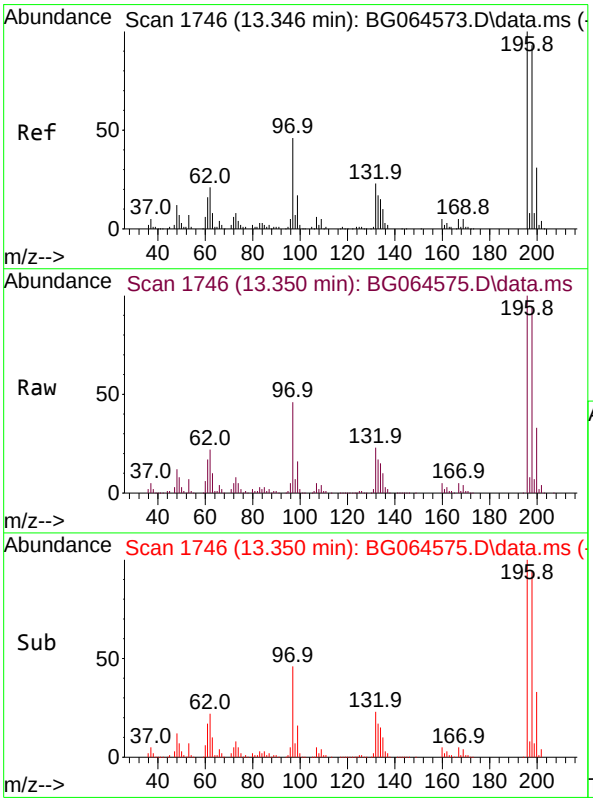
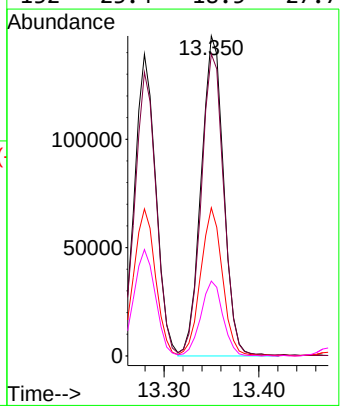


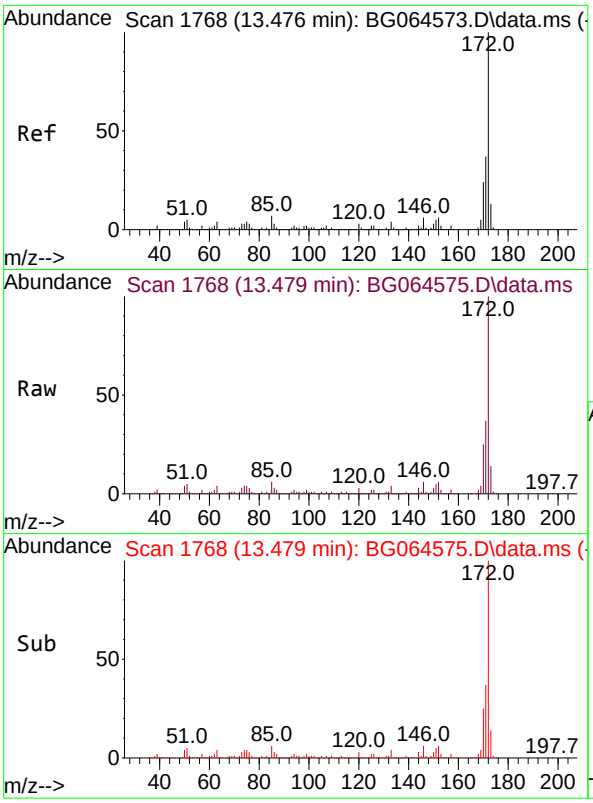


#44
2,4,5-Trichlorophenol
Concen: 82.064 ng
RT: 13.350 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:196 Resp: 243241

Ion	Ratio	Lower	Upper
196	100		
198	94.3	74.2	111.4
97	46.3	37.0	55.6
132	23.4	18.5	27.7





#45
2-Fluorobiphenyl
Concen: 148.960 ng
RT: 13.479 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 131489

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.0
170	24.9	19.1	28.7

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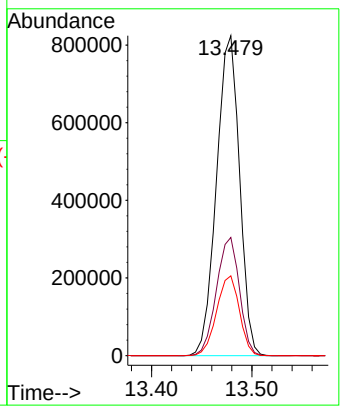
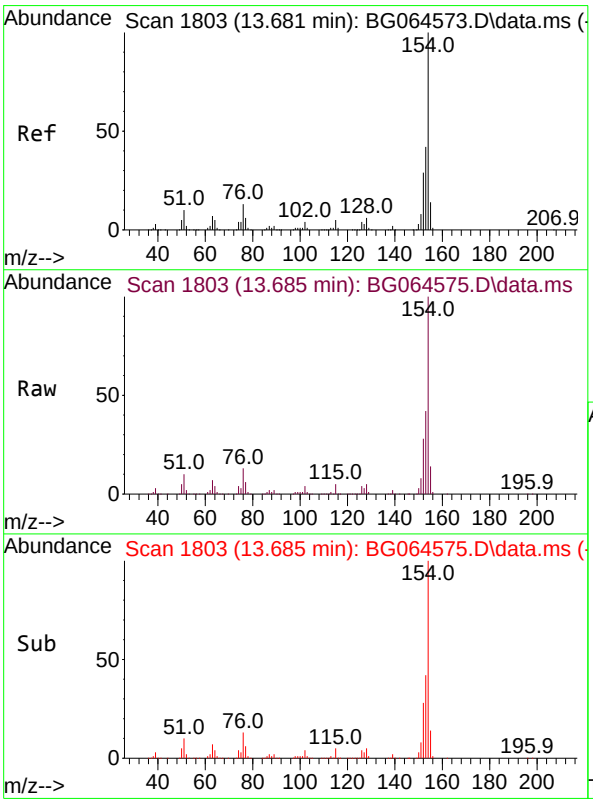
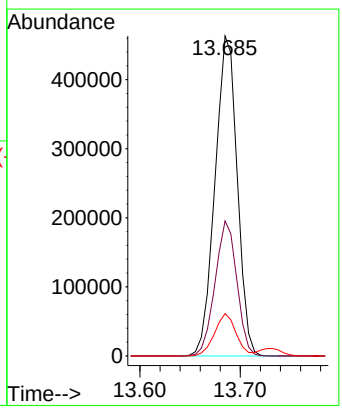


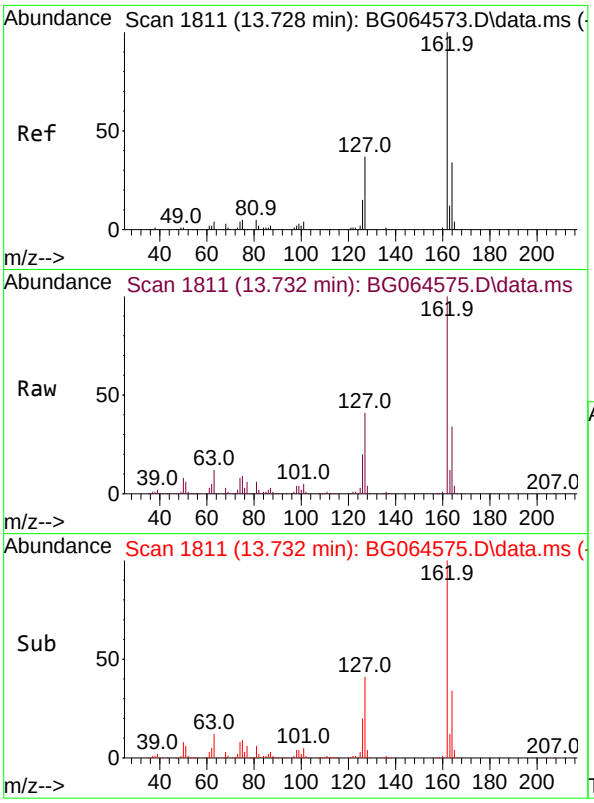


#46
1,1'-Biphenyl
Concen: 74.977 ng
RT: 13.685 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:154 Resp: 713186

Ion	Ratio	Lower	Upper
154	100		
153	42.2	22.4	62.4
76	13.2	0.0	33.5

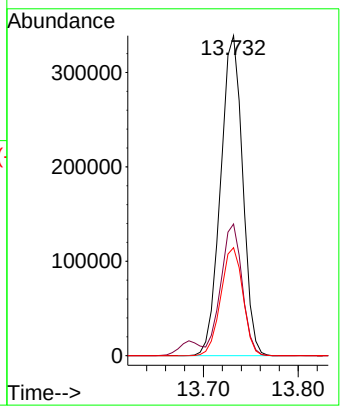




#47
2-Chloronaphthalene
Concen: 76.218 ng
RT: 13.732 min Scan# 18
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:162 Resp: 54724

Ion	Ratio	Lower	Upper
162	100		
127	41.1	32.2	48.2
164	33.7	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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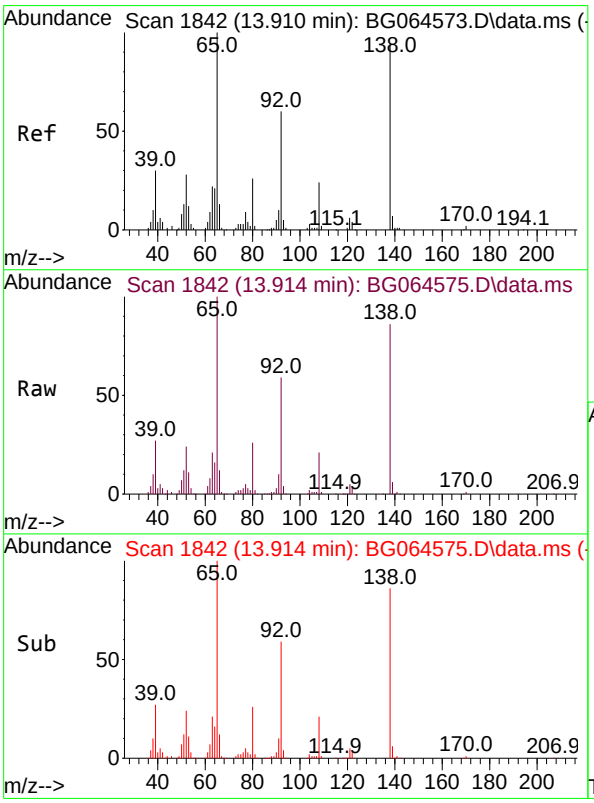
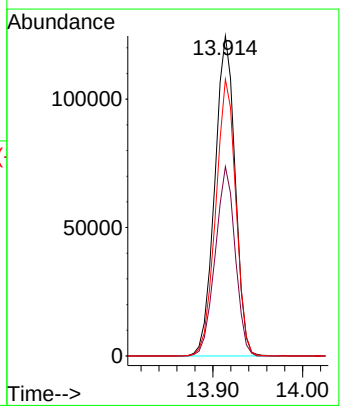
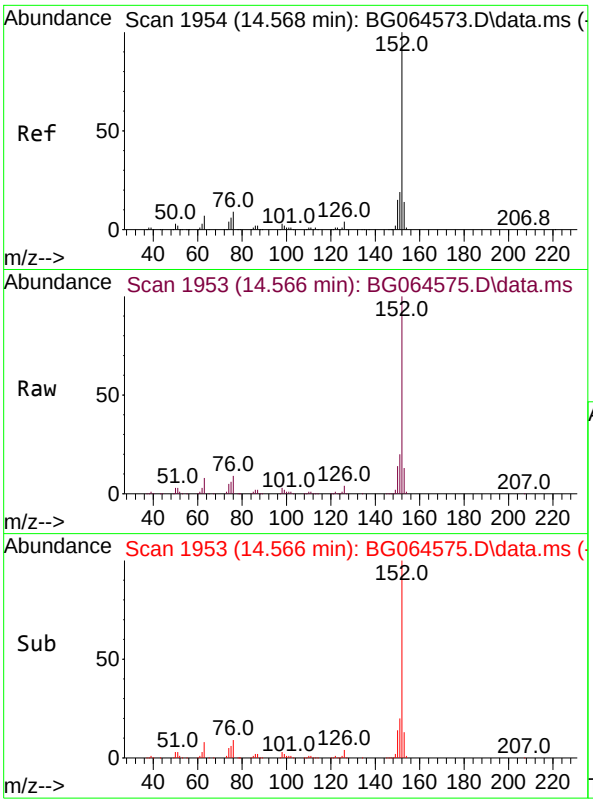


#48
2-Nitroaniline
Concen: 79.301 ng
RT: 13.914 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 65 Resp: 196580

Ion	Ratio	Lower	Upper
65	100		
92	59.1	48.3	72.5
138	86.4	74.9	112.3

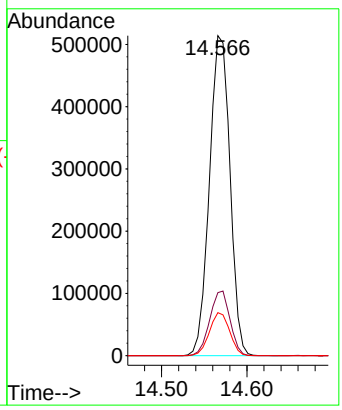




#49
Acenaphthylene
Concen: 75.806 ng
RT: 14.566 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:152 Resp: 858511

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	13.5	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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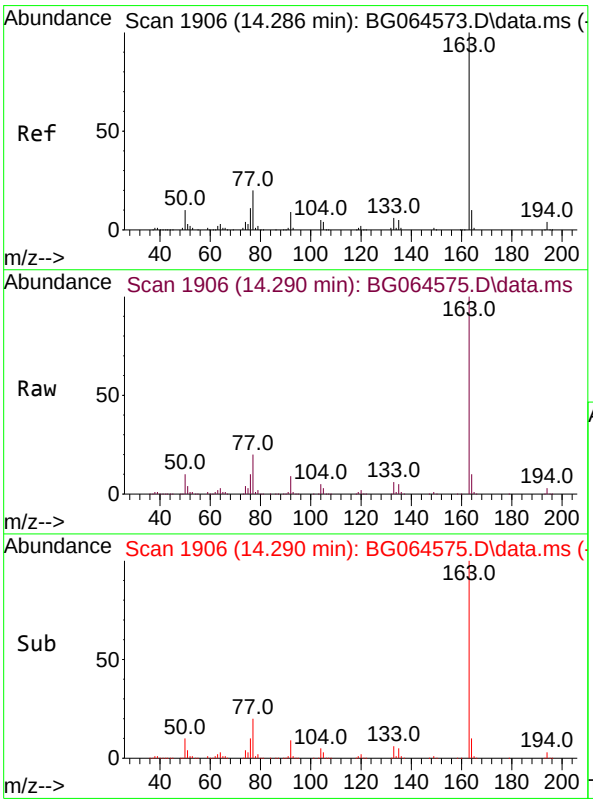
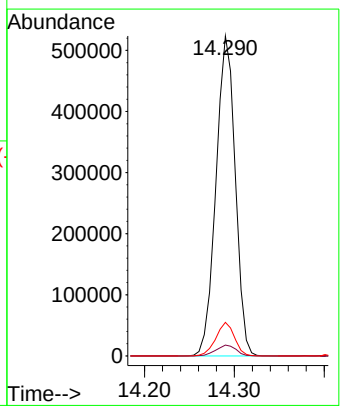
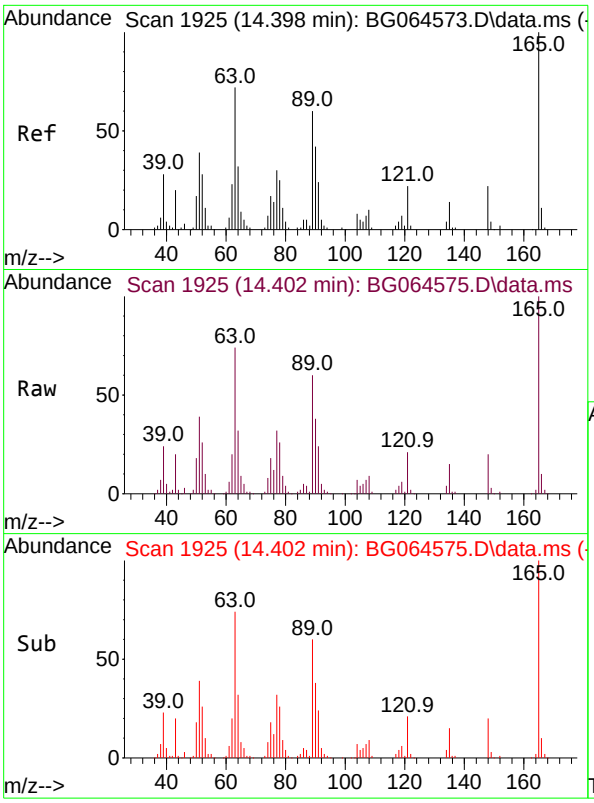


#50
Dimethylphthalate
Concen: 76.450 ng
RT: 14.290 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:163 Resp: 782708

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	10.5	7.7	11.5

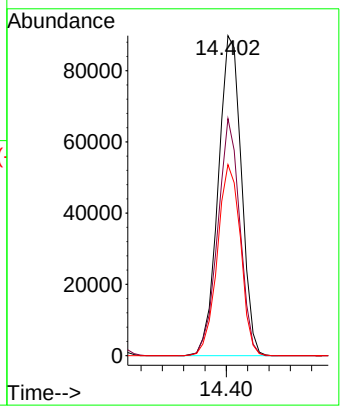




#51
2,6-Dinitrotoluene
Concen: 78.216 ng
RT: 14.402 min Scan# 19
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:165 Resp: 135769

Ion	Ratio	Lower	Upper
165	100		
63	74.1	57.4	86.0
89	59.7	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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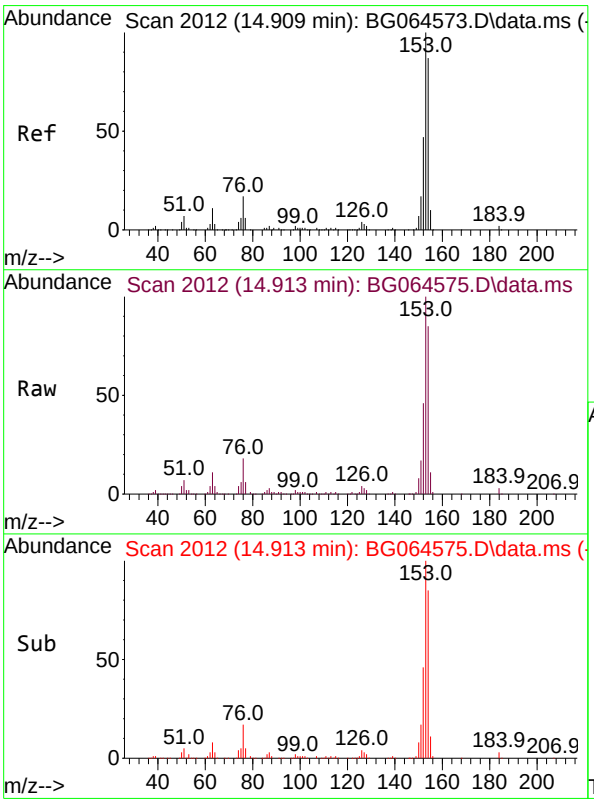
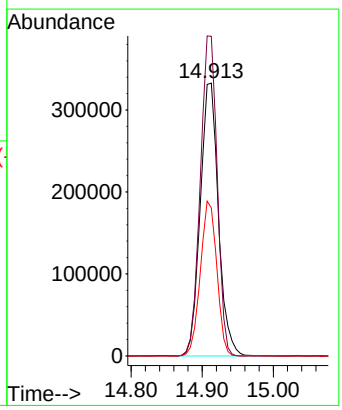
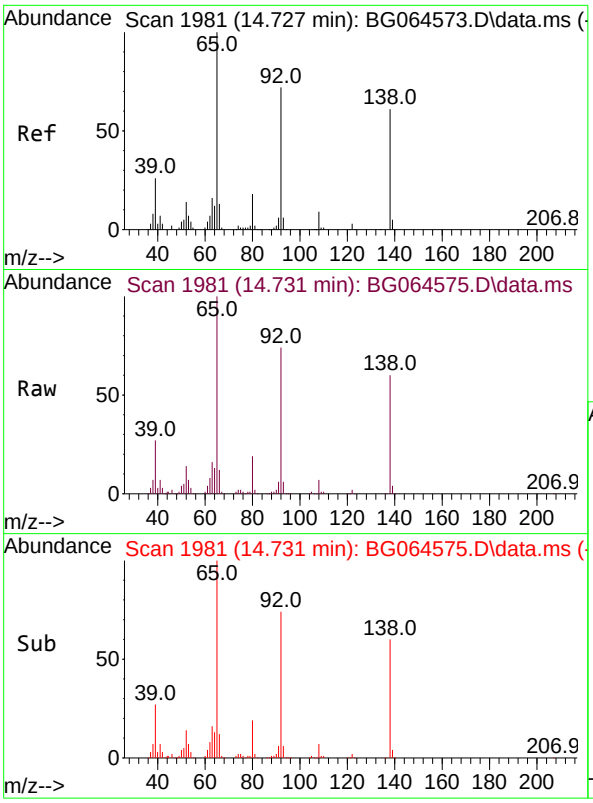


#52
Acenaphthene
Concen: 76.150 ng
RT: 14.913 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:154 Resp: 589213

Ion	Ratio	Lower	Upper
154	100		
153	117.2	92.2	138.4
152	54.2	43.2	64.8





#53
3-Nitroaniline
Concen: 90.409 ng
RT: 14.731 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:138 Resp: 15907

Ion	Ratio	Lower	Upper
138	100		
108	12.0	11.4	17.0
92	122.9	95.3	142.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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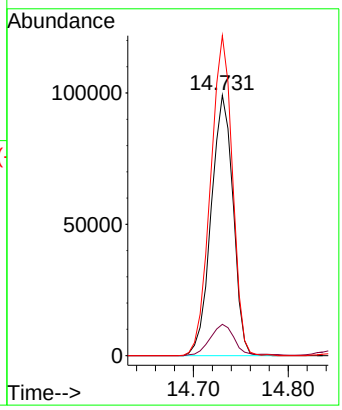
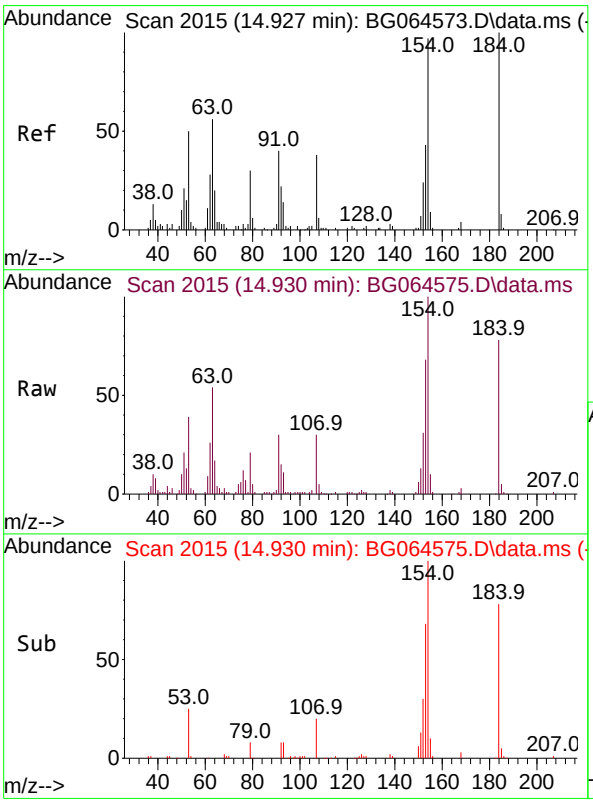
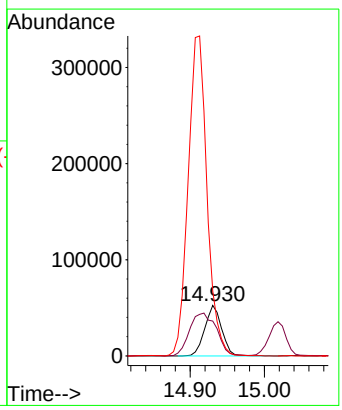


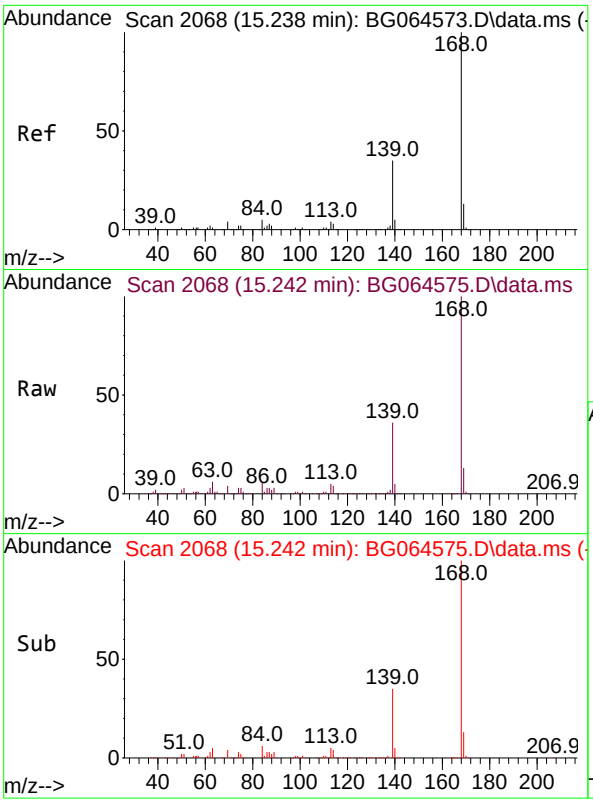


#54
2,4-Dinitrophenol
Concen: 79.755 ng
RT: 14.930 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:184 Resp: 82655

Ion	Ratio	Lower	Upper
184	100		
63	69.0	56.6	85.0
154	128.4	158.6	238.0#

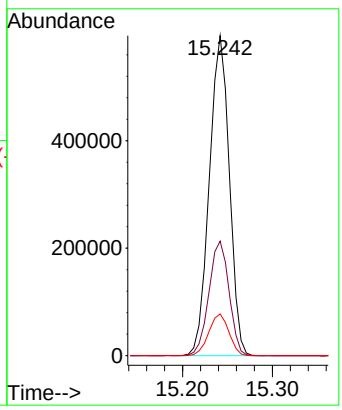




#55
Dibenzofuran
Concen: 73.816 ng
RT: 15.242 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:168 Resp: 92338

Ion	Ratio	Lower	Upper
168	100		
139	35.8	27.8	41.8
169	13.0	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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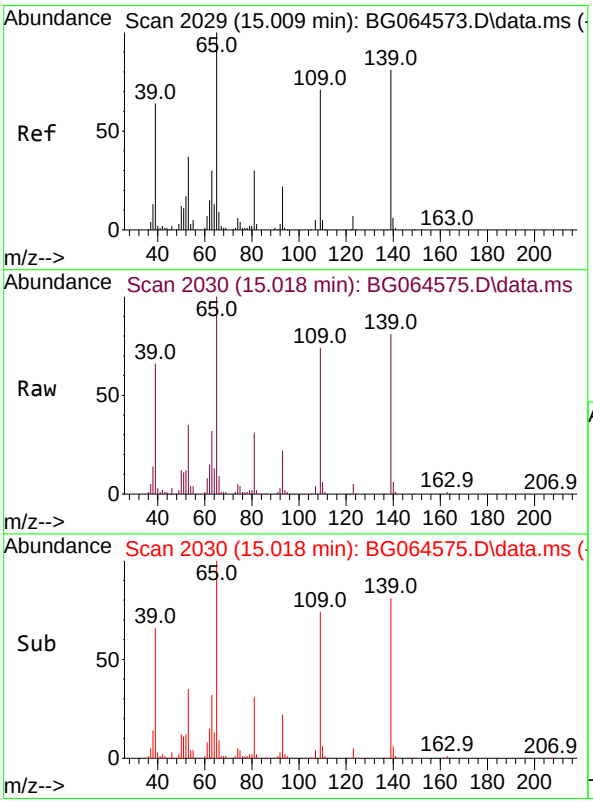
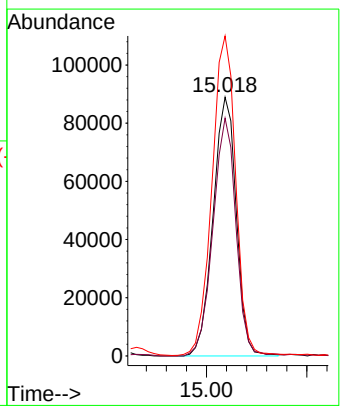
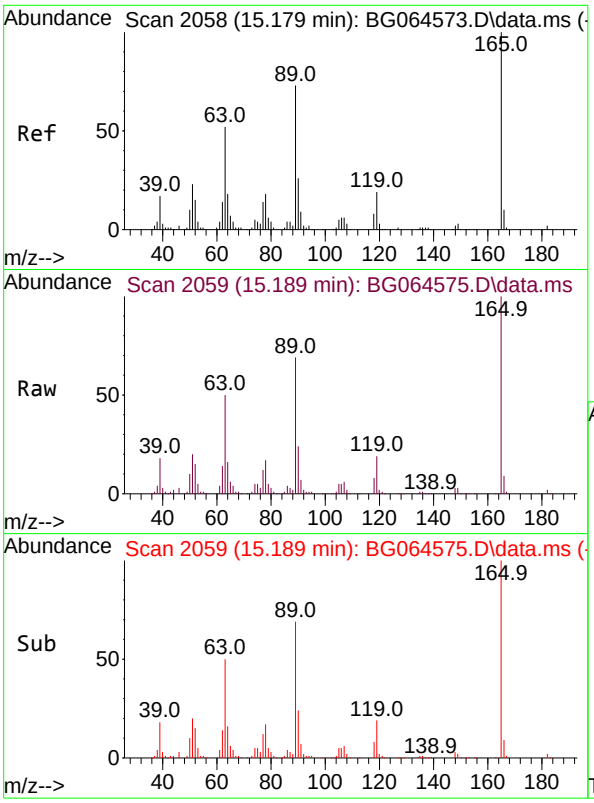


#56
4-Nitrophenol
Concen: 87.640 ng
RT: 15.018 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:139 Resp: 142966

Ion	Ratio	Lower	Upper
139	100		
109	91.9	67.8	107.8
65	123.7	103.7	143.7

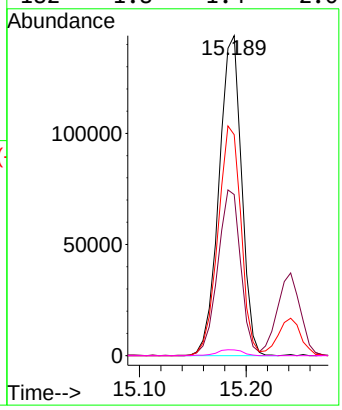




#57
2,4-Dinitrotoluene
Concen: 79.117 ng
RT: 15.189 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:165 Resp: 21216

Ion	Ratio	Lower	Upper
165	100		
63	50.3	41.8	62.8
89	69.0	58.1	87.1
182	1.8	1.4	2.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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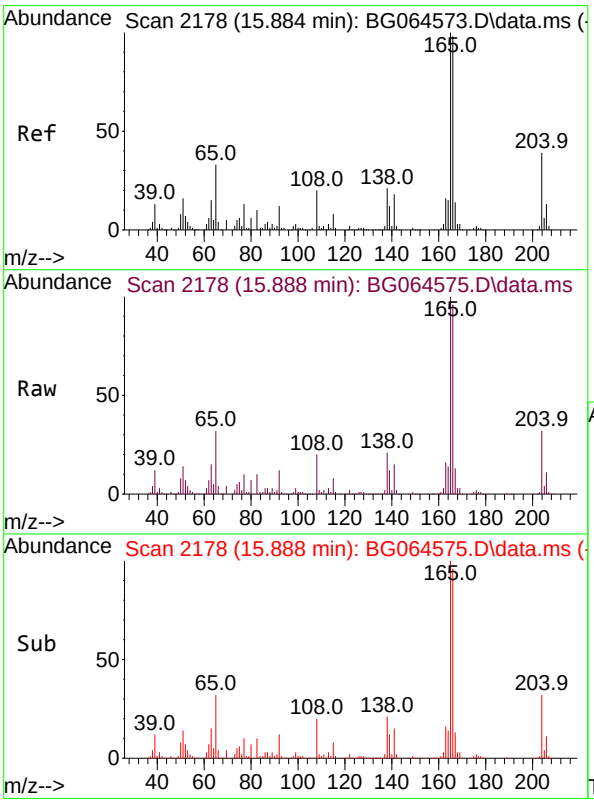
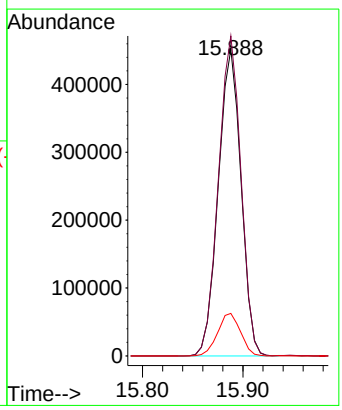
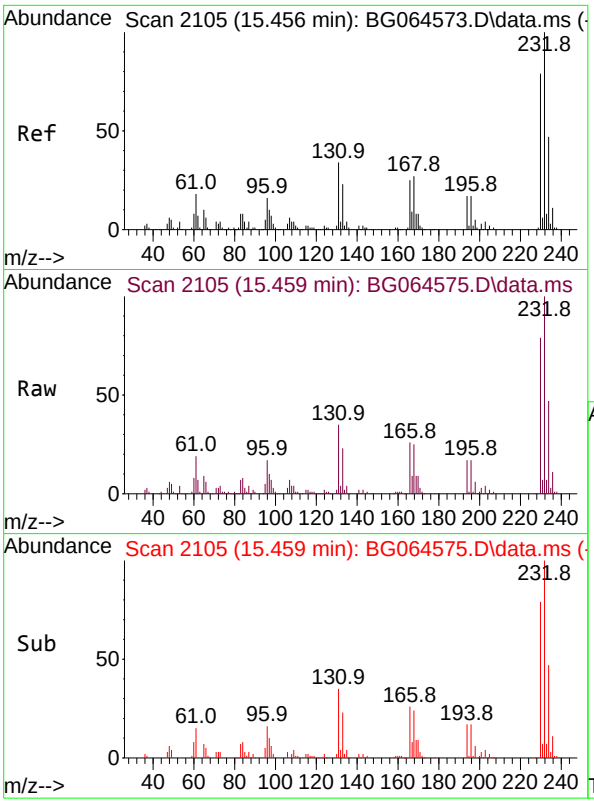


#58
Fluorene
Concen: 72.801 ng
RT: 15.888 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:166 Resp: 711212

Ion	Ratio	Lower	Upper
166	100		
165	104.4	81.5	122.3
167	13.8	11.4	17.0

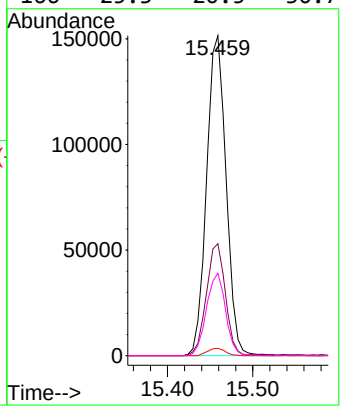




#59
2,3,4,6-Tetrachlorophenol
Concen: 84.708 ng
RT: 15.459 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:232 Resp: 240094

Ion	Ratio	Lower	Upper
232	100		
131	34.1	26.7	40.1
130	2.1	1.6	2.4
166	25.3	20.5	30.7



Instrument :
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ClientSampleId :
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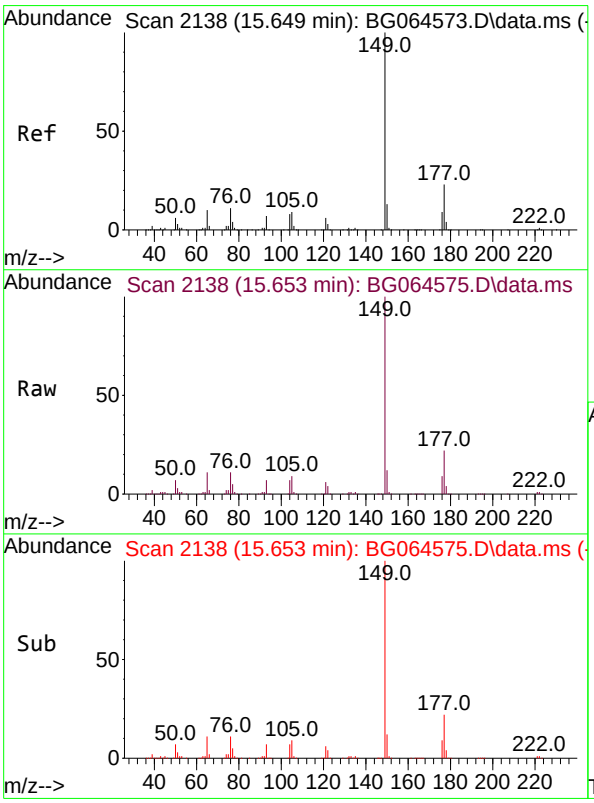
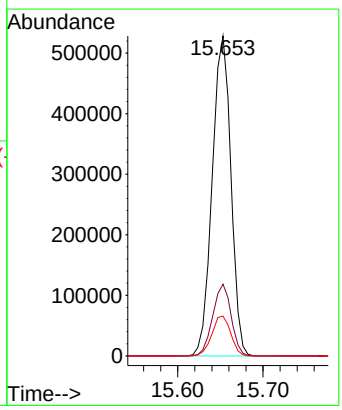
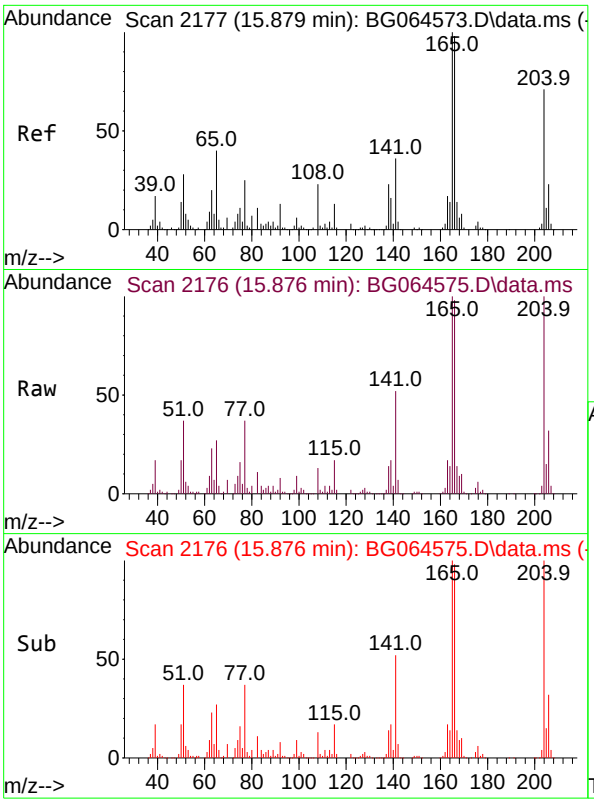


#60
Diethylphthalate
Concen: 76.874 ng
RT: 15.653 min Scan# 2138
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 803621

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.0	27.0
150	12.4	10.2	15.4

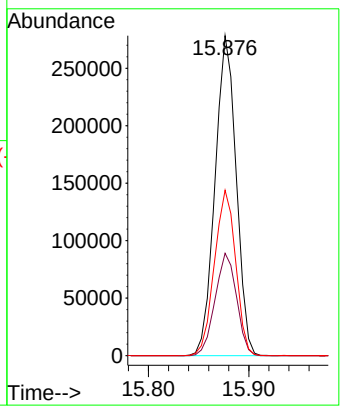




#61
4-Chlorophenyl-phenylether
Concen: 74.463 ng
RT: 15.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:204 Resp: 40823

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	51.7	40.6	60.8



Instrument :
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ClientSampleId :
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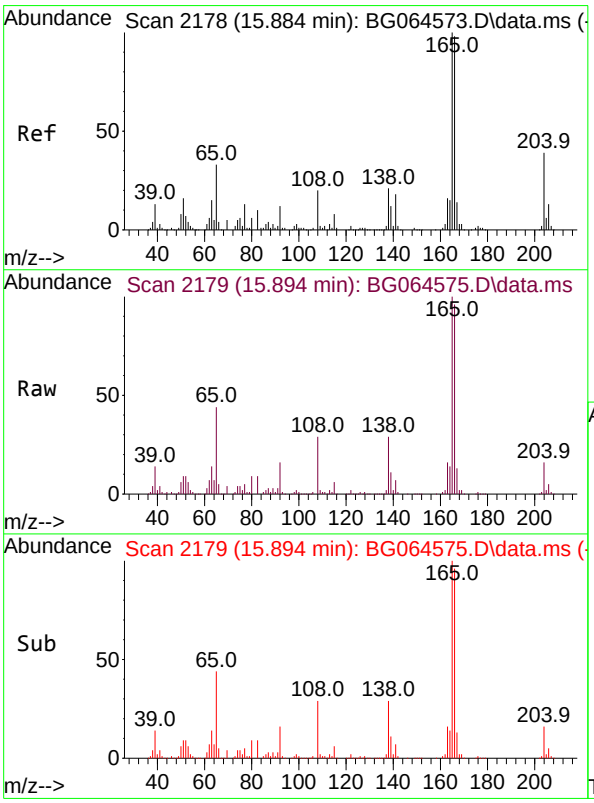
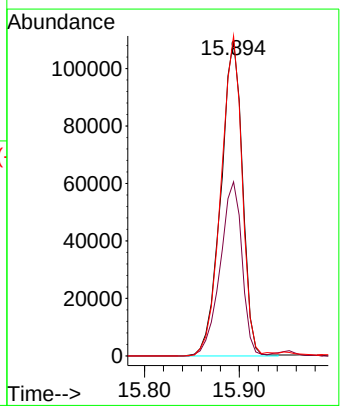
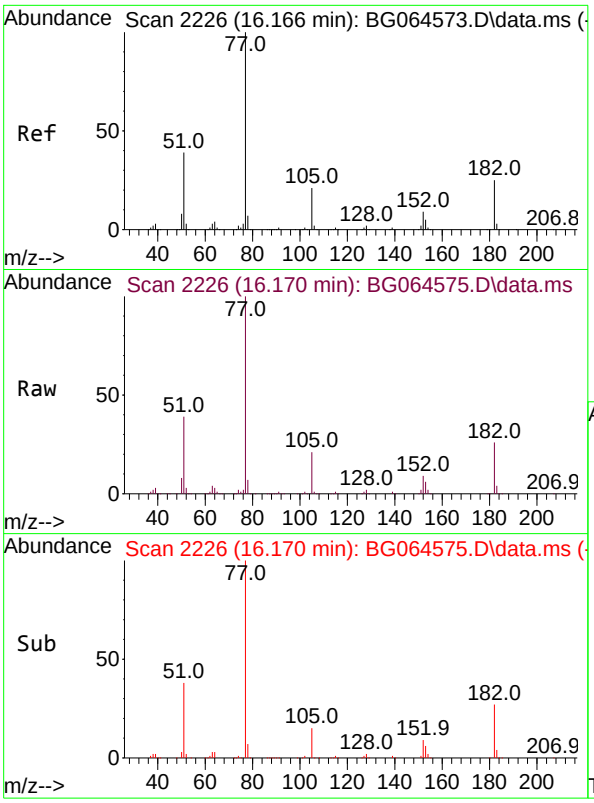


#62
4-Nitroaniline
Concen: 88.462 ng
RT: 15.894 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:138 Resp: 173159

Ion	Ratio	Lower	Upper
138	100		
92	55.1	36.1	76.1
108	101.4	75.6	115.6

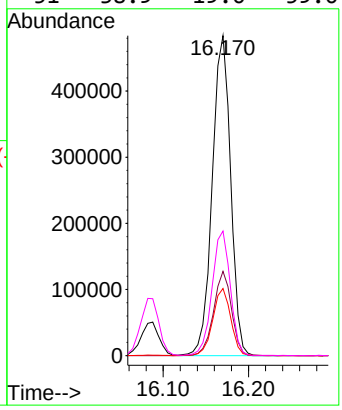




#63
Azobenzene
Concen: 75.482 ng
RT: 16.170 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 77 Resp: 723988

Ion	Ratio	Lower	Upper
77	100		
182	26.3	4.9	44.9
105	21.0	1.3	41.3
51	38.9	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
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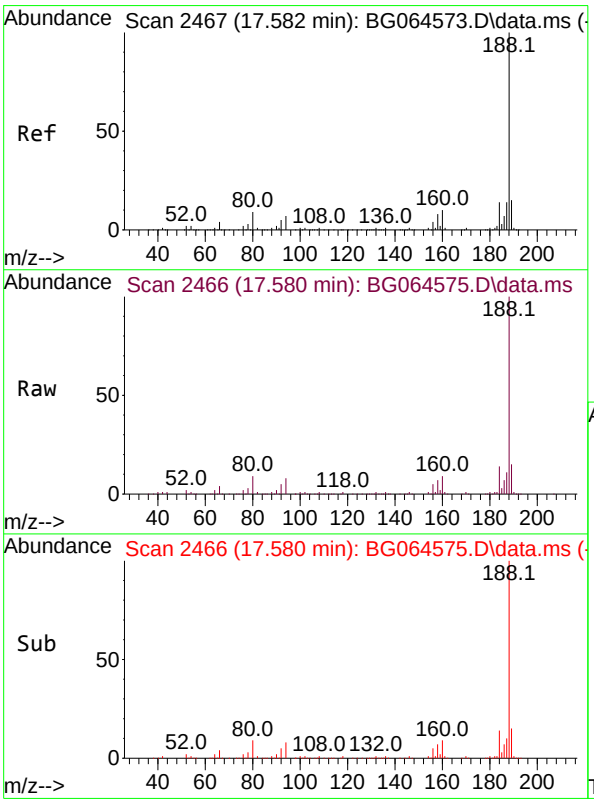
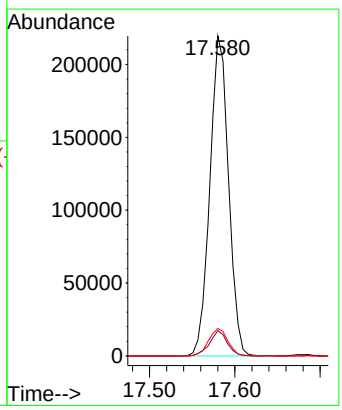
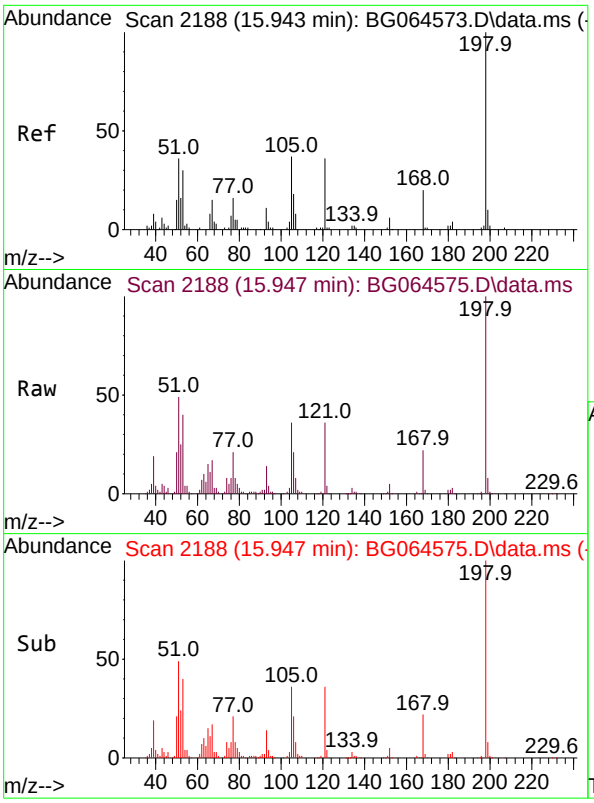


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2466
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:188 Resp: 333421

Ion	Ratio	Lower	Upper
188	100		
94	7.9	5.7	8.5
80	8.6	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 80.450 ng
RT: 15.947 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:198 Resp: 12410

Ion	Ratio	Lower	Upper
198	100		
51	49.5	24.7	64.7
105	36.3	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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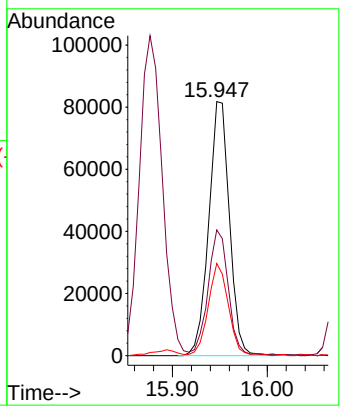
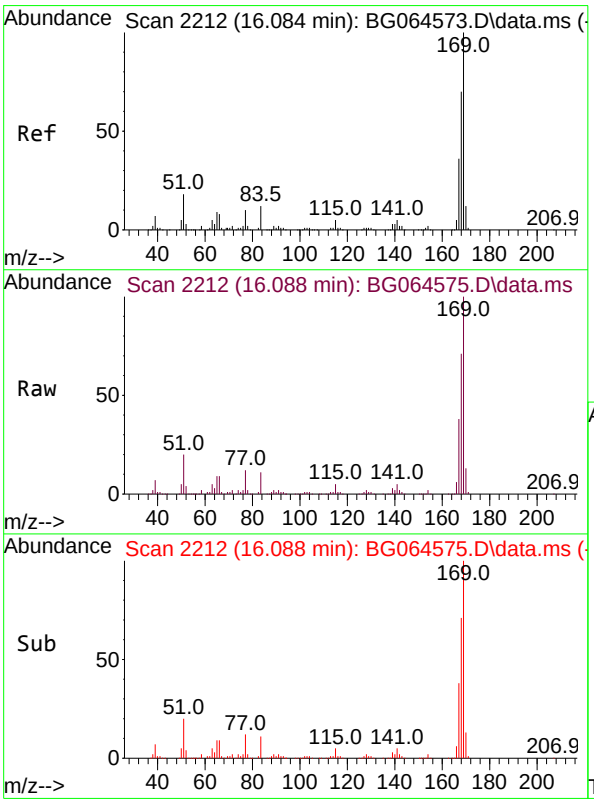
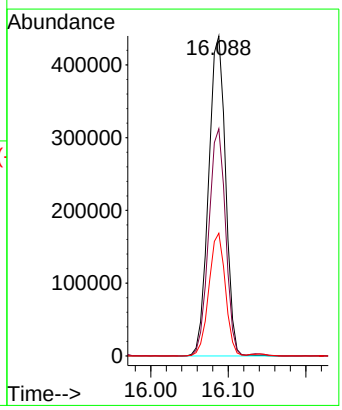


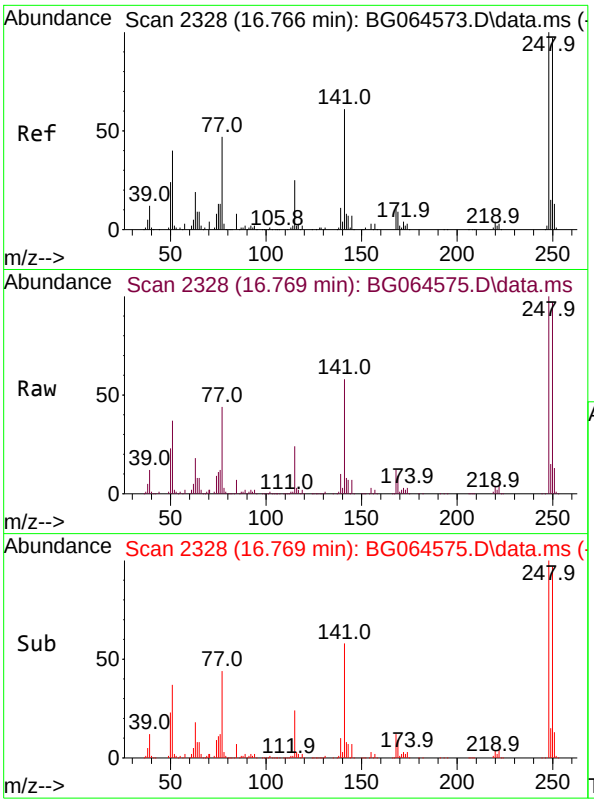


#66
n-Nitrosodiphenylamine
Concen: 74.020 ng
RT: 16.088 min Scan# 2212
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:169 Resp: 666665

Ion	Ratio	Lower	Upper
169	100		
168	71.0	56.3	84.5
167	38.3	29.0	43.6

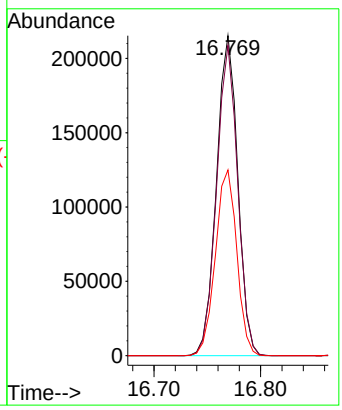




#67
4-Bromophenyl-phenylether
Concen: 75.762 ng
RT: 16.769 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:248 Resp: 29934

Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.7	116.5
141	58.0	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
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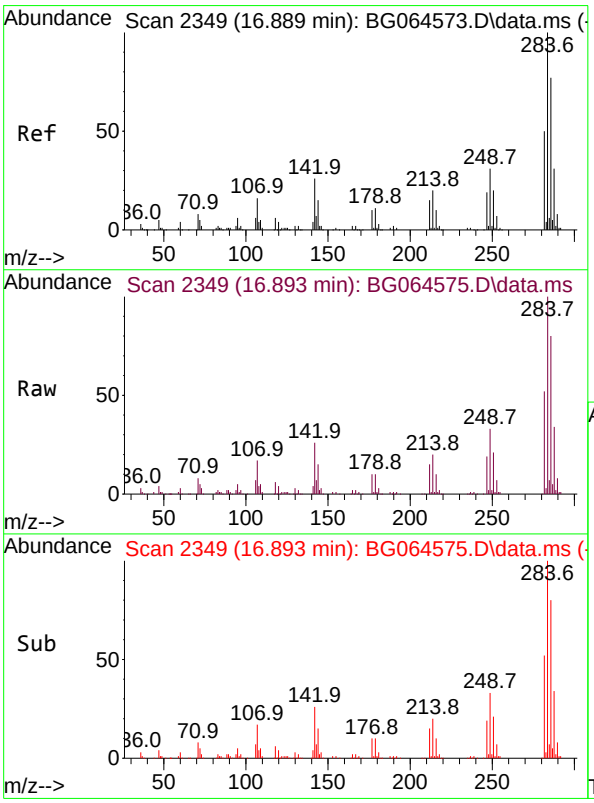
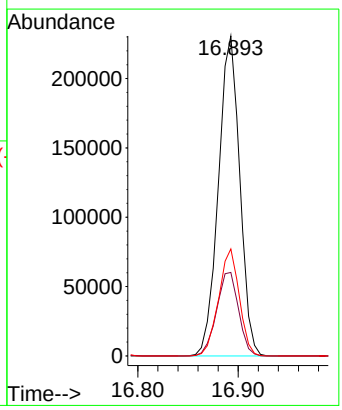
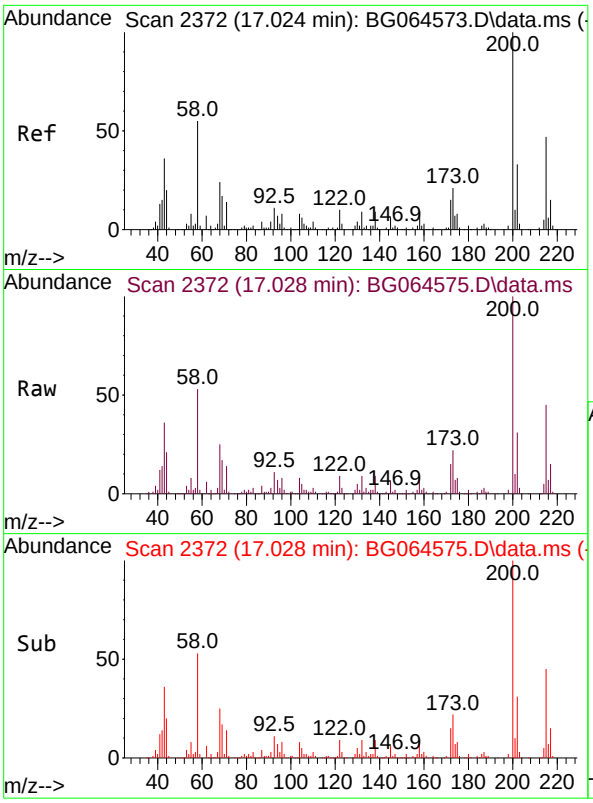


#68
Hexachlorobenzene
Concen: 75.724 ng
RT: 16.893 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:284 Resp: 341338

Ion	Ratio	Lower	Upper
284	100		
142	26.1	21.0	31.6
249	35.4	24.9	37.3

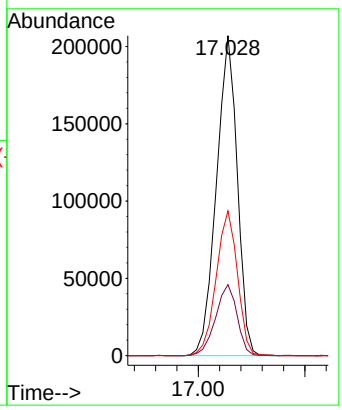




#69
Atrazine
Concen: 72.745 ng
RT: 17.028 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:200 Resp: 28195

Ion	Ratio	Lower	Upper
200	100		
173	22.2	0.9	40.9
215	45.2	27.0	67.0



Instrument :
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ClientSampleId :
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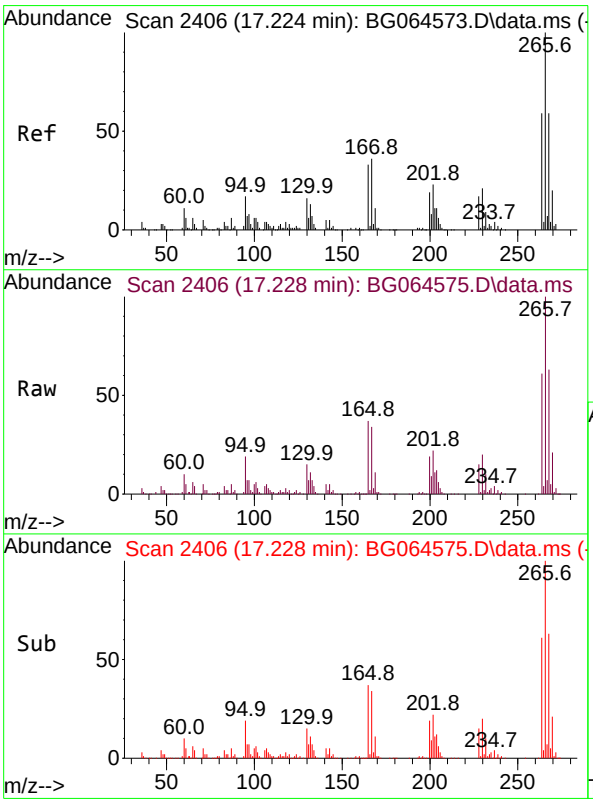
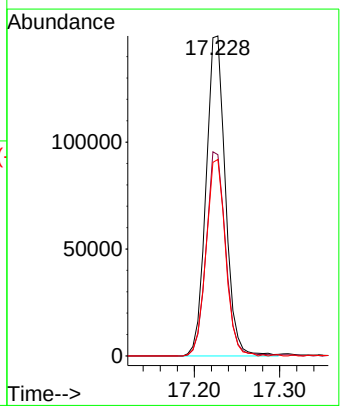
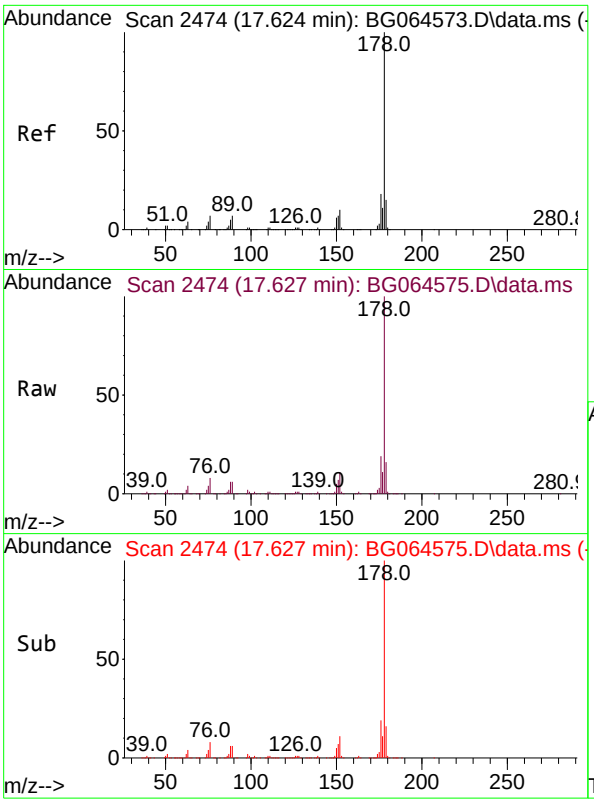


#70
Pentachlorophenol
Concen: 83.771 ng
RT: 17.228 min Scan# 2406
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:266 Resp: 235472

Ion	Ratio	Lower	Upper
266	100		
268	67.7	50.3	75.5
264	65.8	47.3	70.9

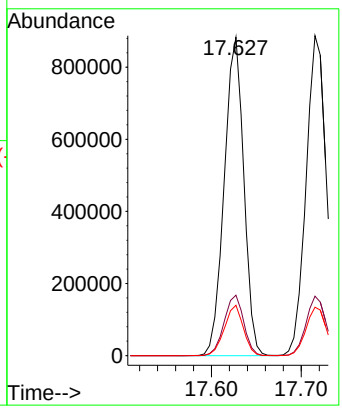




#71
Phenanthrene
Concen: 73.525 ng
RT: 17.627 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:178 Resp: 134061

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.8	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
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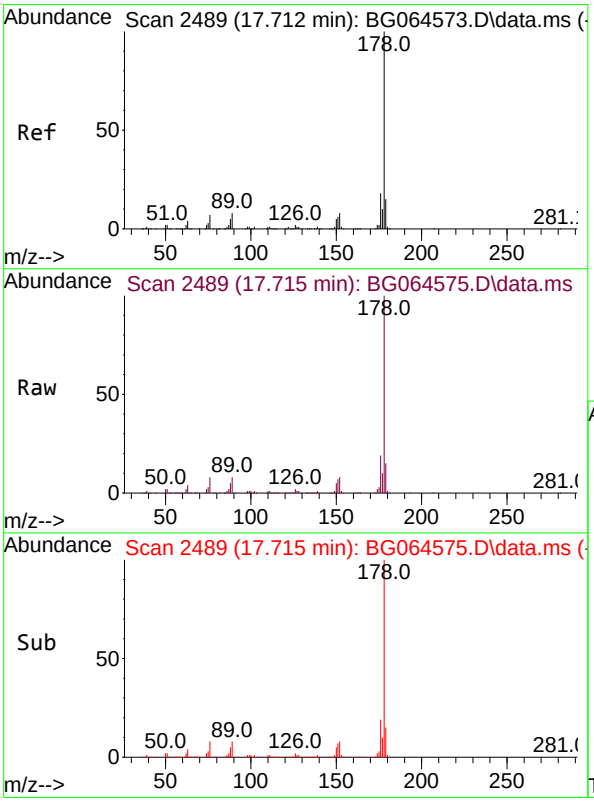
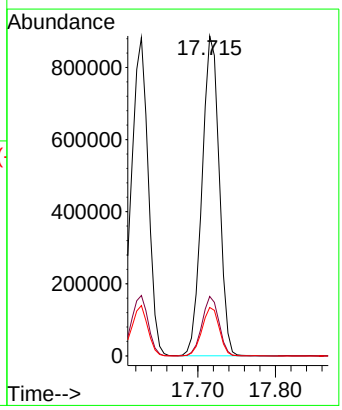
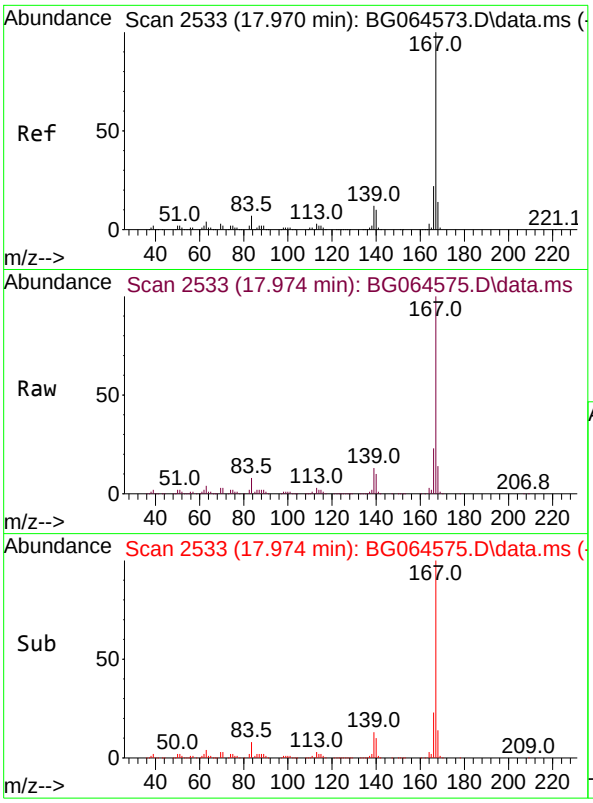


#72
Anthracene
Concen: 73.704 ng
RT: 17.715 min Scan# 2489
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:178 Resp: 1367044

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.4	21.6
179	15.1	12.4	18.6

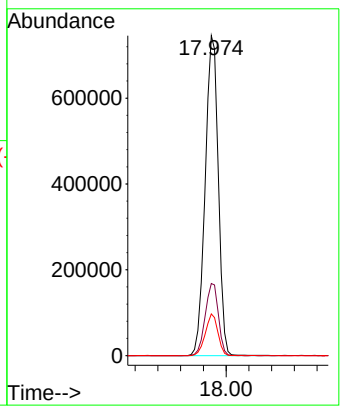




#73
Carbazole
Concen: 73.122 ng
RT: 17.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:167 Resp: 119596

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.9	26.9
139	13.0	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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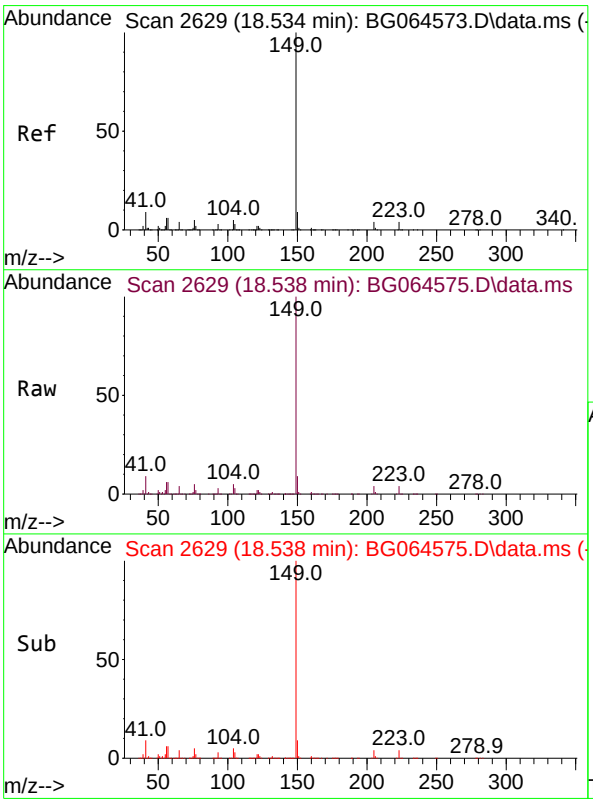
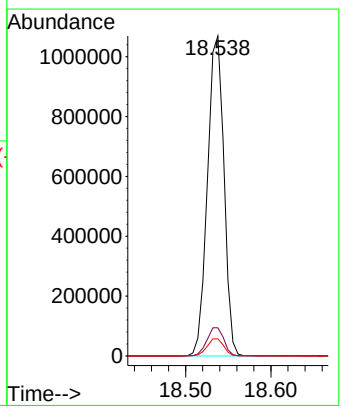
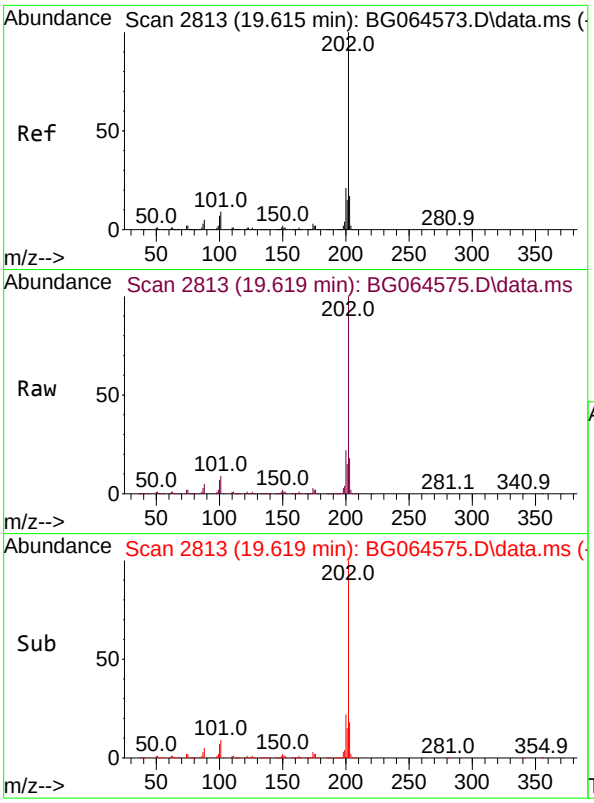


#74
Di-n-butylphthalate
Concen: 75.790 ng
RT: 18.538 min Scan# 2629
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 1433446

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.4	4.1	6.1





#75
Fluoranthene
Concen: 72.835 ng
RT: 19.619 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:202 Resp: 166367

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	28.7
203	18.2	0.0	37.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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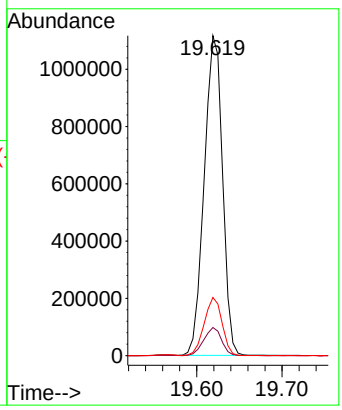
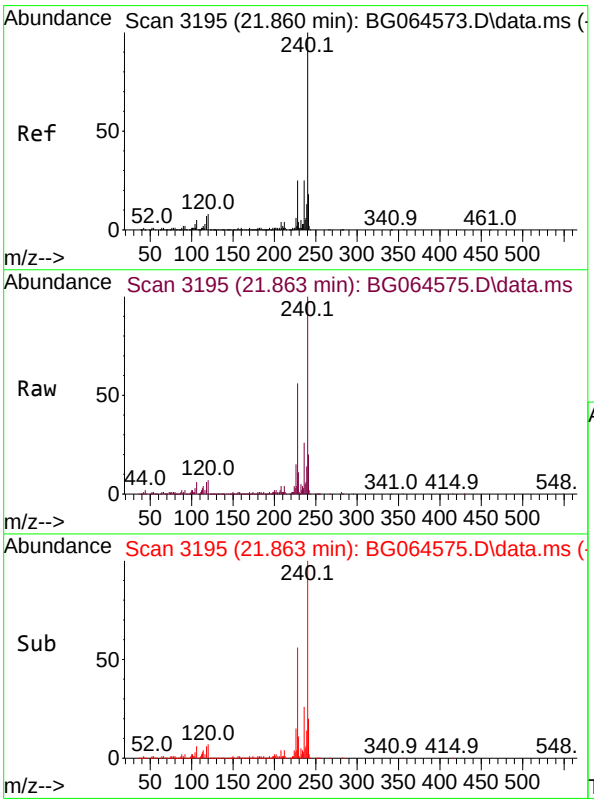
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

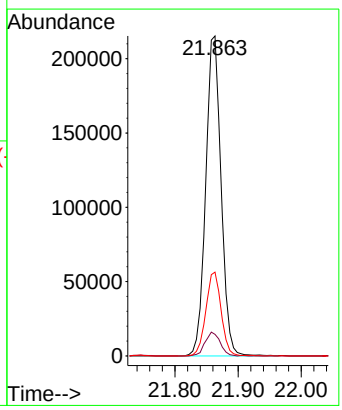


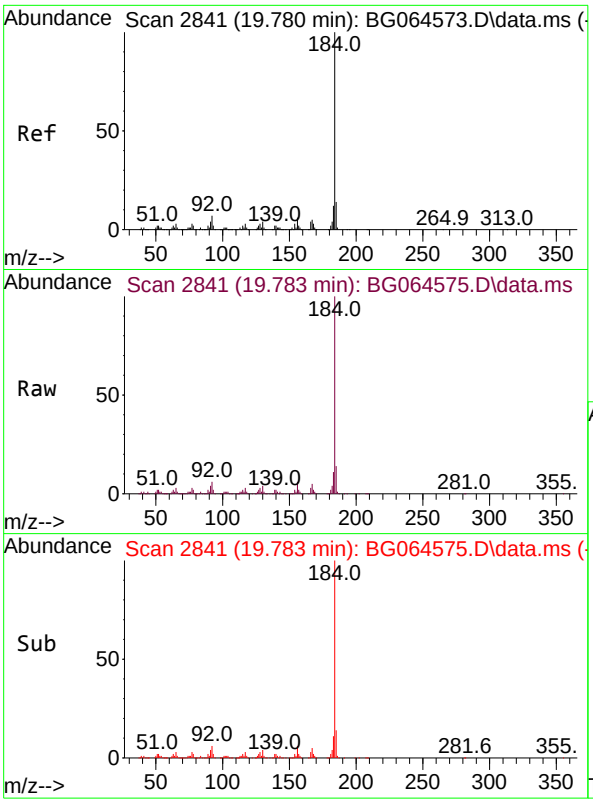


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.863 min Scan# 3195
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:240 Resp: 363291

Ion	Ratio	Lower	Upper
240	100		
120	6.7	6.5	9.7
236	26.2	20.2	30.2

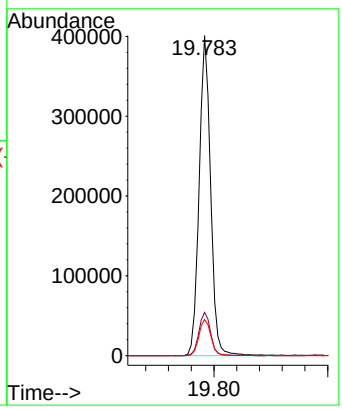




#77
Benzidine
Concen: 68.376 ng
RT: 19.783 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:184 Resp: 556525

Ion	Ratio	Lower	Upper
184	100		
185	13.5	11.4	17.2
183	11.3	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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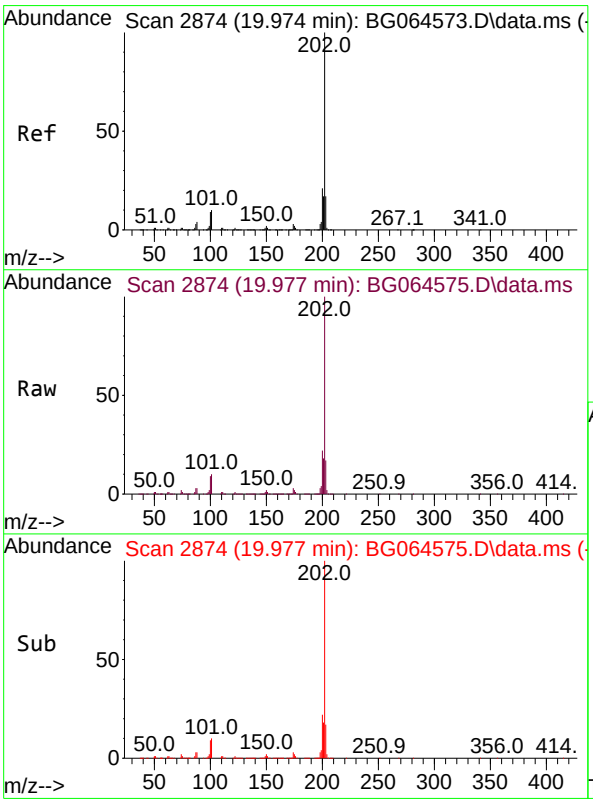
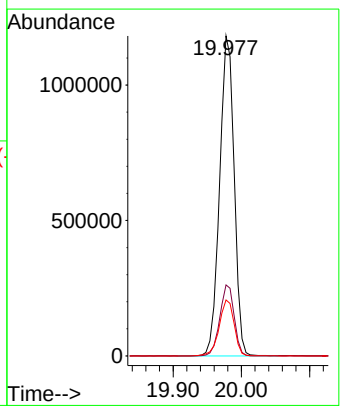
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

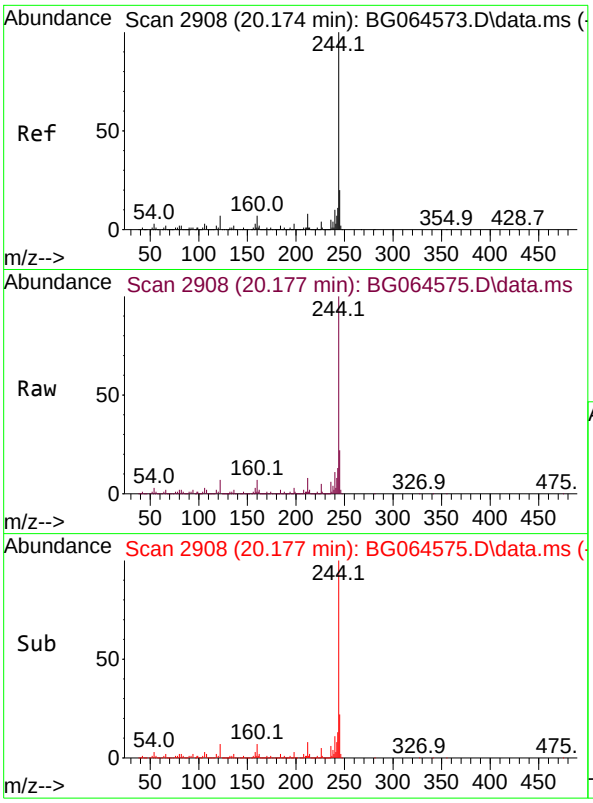


#78
Pyrene
Concen: 73.215 ng
RT: 19.977 min Scan# 2874
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:202 Resp: 1737788

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.0	25.4
203	17.5	13.8	20.6





#79
Terphenyl-d14
Concen: 140.125 ng
RT: 20.177 min Scan# 29
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:244 Resp: 269749

Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.1	9.1
122	7.0	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025
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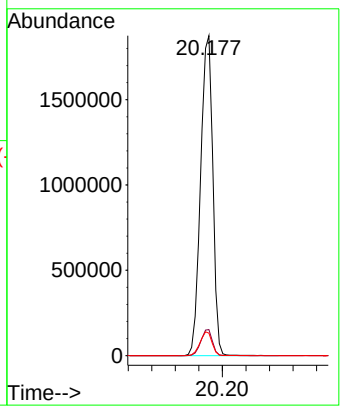
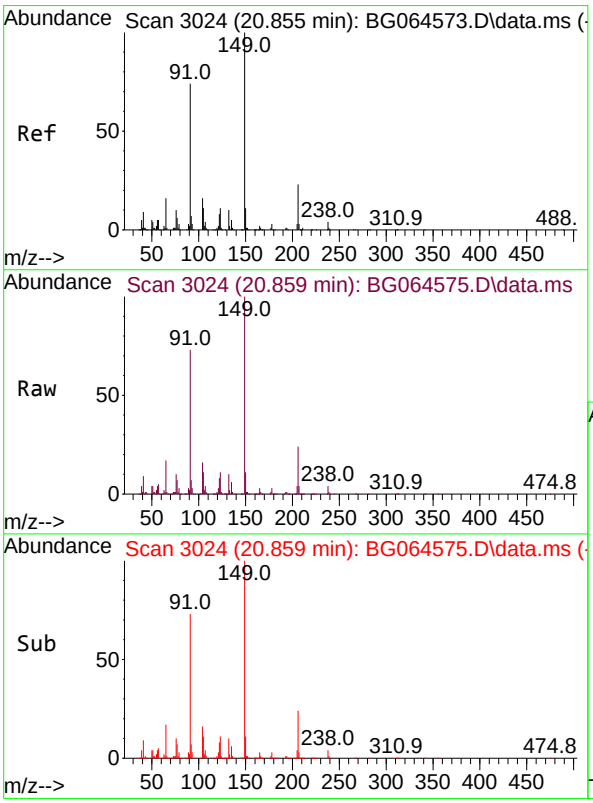
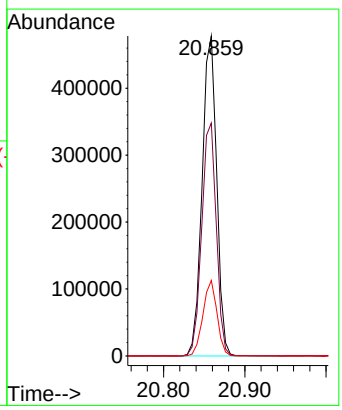


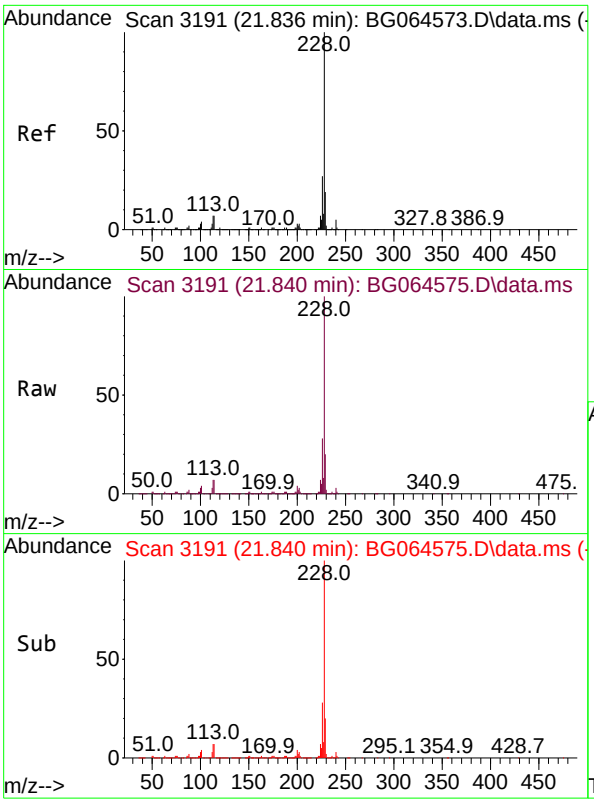


#80
Butylbenzylphthalate
Concen: 82.988 ng
RT: 20.859 min Scan# 3024
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 595333

Ion	Ratio	Lower	Upper
149	100		
91	72.8	59.2	88.8
206	23.6	18.1	27.1

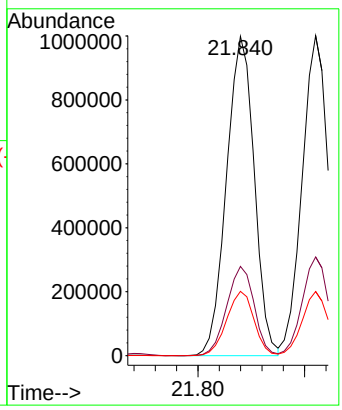




#81
Benzo(a)anthracene
Concen: 74.959 ng
RT: 21.840 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:228 Resp: 180562

Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.9	32.9
229	20.1	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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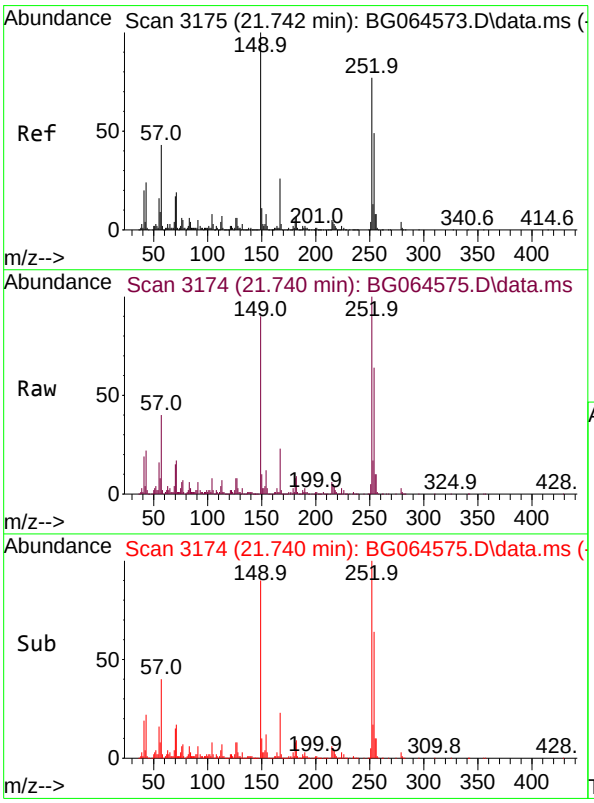
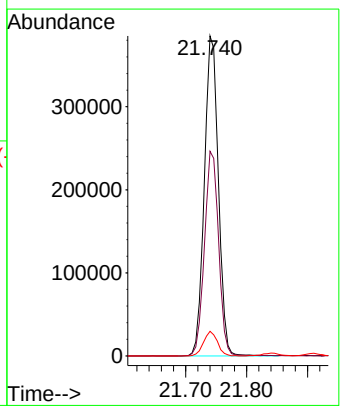
Supervised By :Jagrut Upadhyay 10/27/2025

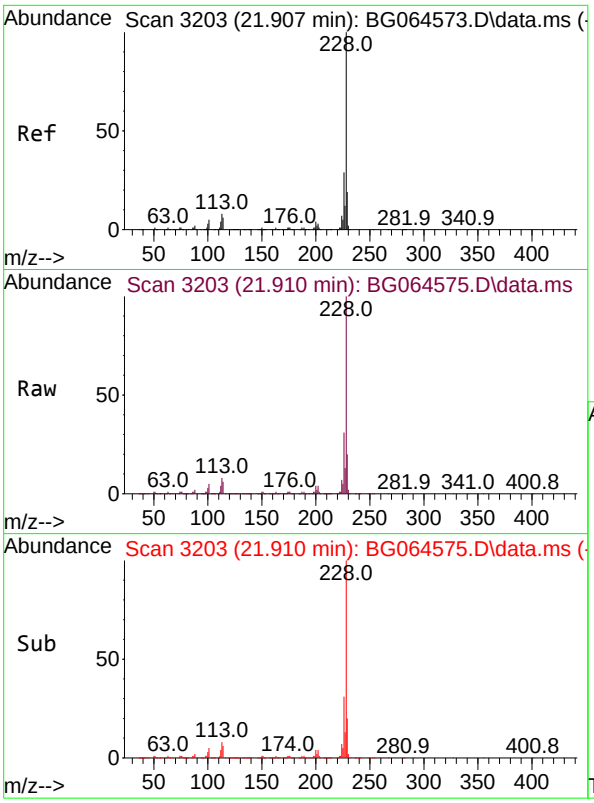


#82
3,3'-Dichlorobenzidine
Concen: 76.524 ng
RT: 21.740 min Scan# 3174
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 615546

Ion	Ratio	Lower	Upper
252	100		
254	63.9	50.8	76.2
126	7.7	5.8	8.6

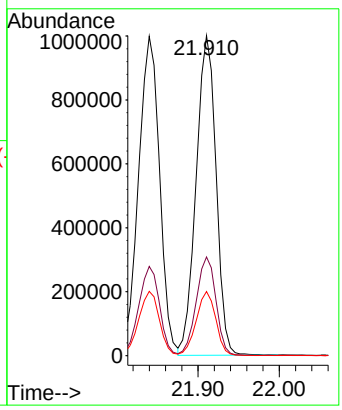




#83
Chrysene
Concen: 74.368 ng
RT: 21.910 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:228 Resp: 170453

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.3	34.9
229	20.0	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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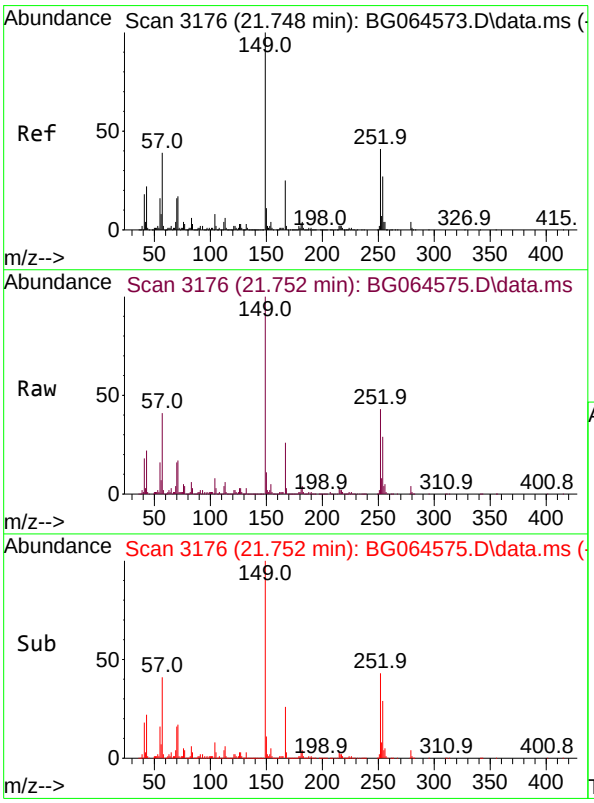
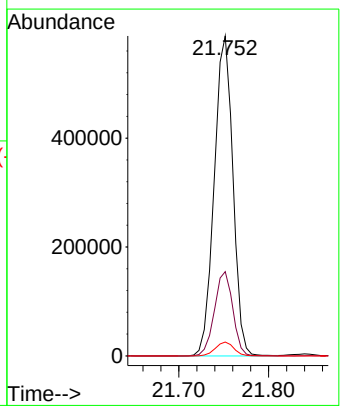
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

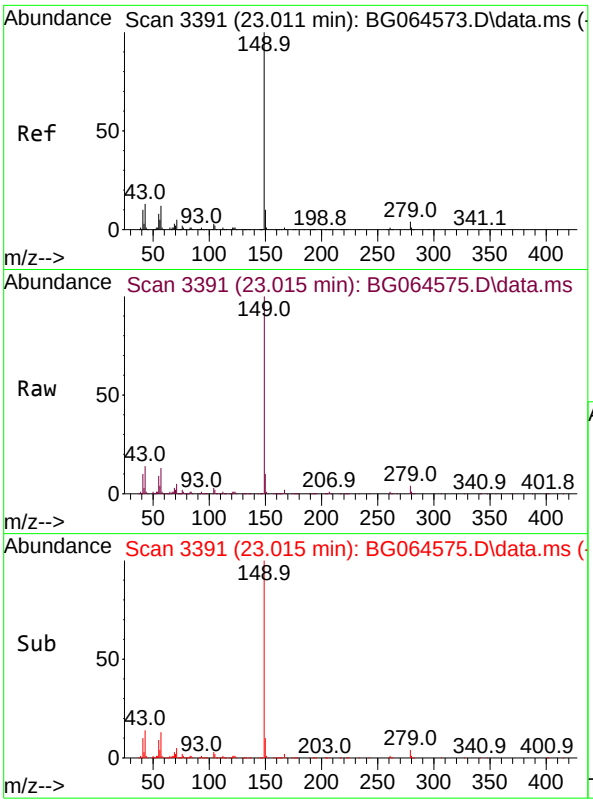


#84
Bis(2-ethylhexyl)phthalate
Concen: 79.672 ng
RT: 21.752 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 854027

Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.0	30.0
279	4.3	3.1	4.7

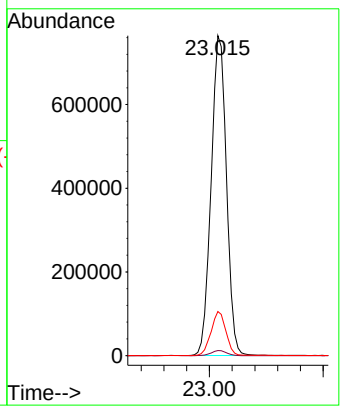




#85
Di-n-octyl phthalate
Concen: 79.289 ng
RT: 23.015 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 143295

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.5	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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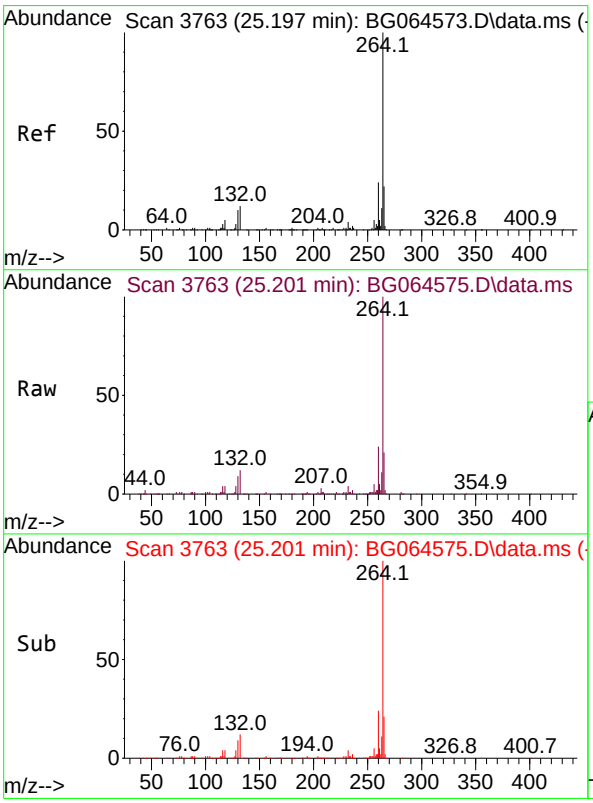
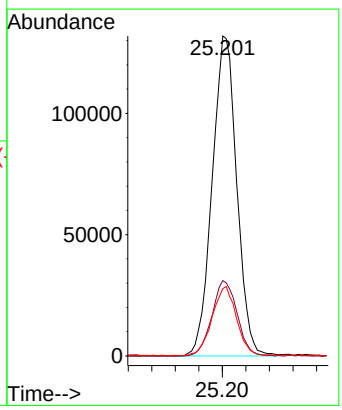
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

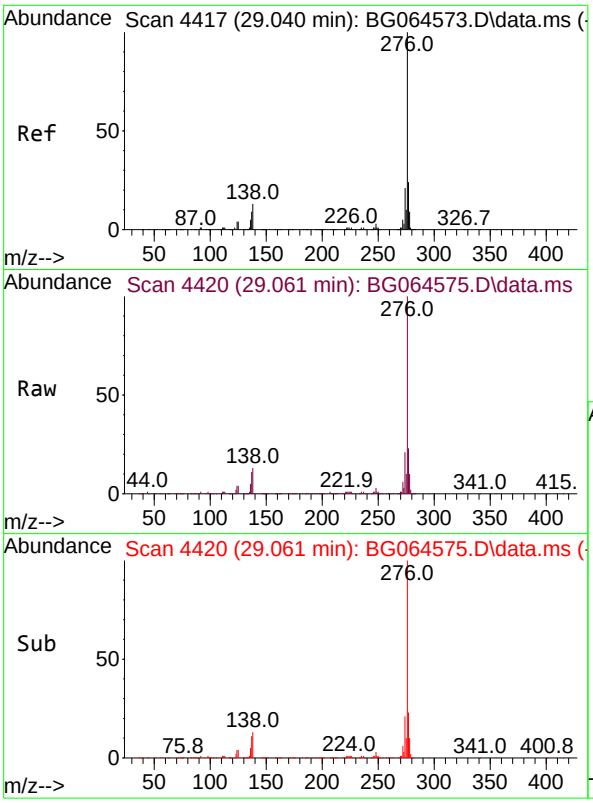


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.201 min Scan# 3763
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:264 Resp: 382372

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.0	17.6	26.4

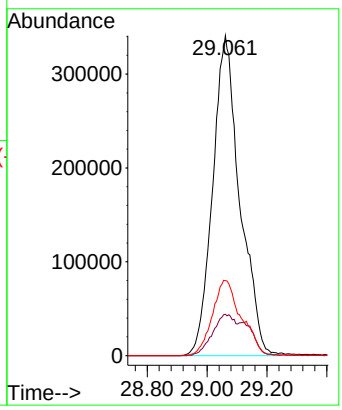




#87
Indeno(1,2,3-cd)pyrene
Concen: 76.663 ng
RT: 29.061 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:276 Resp: 215642

Ion	Ratio	Lower	Upper
276	100		
138	10.9	10.8	16.2
277	25.2	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025
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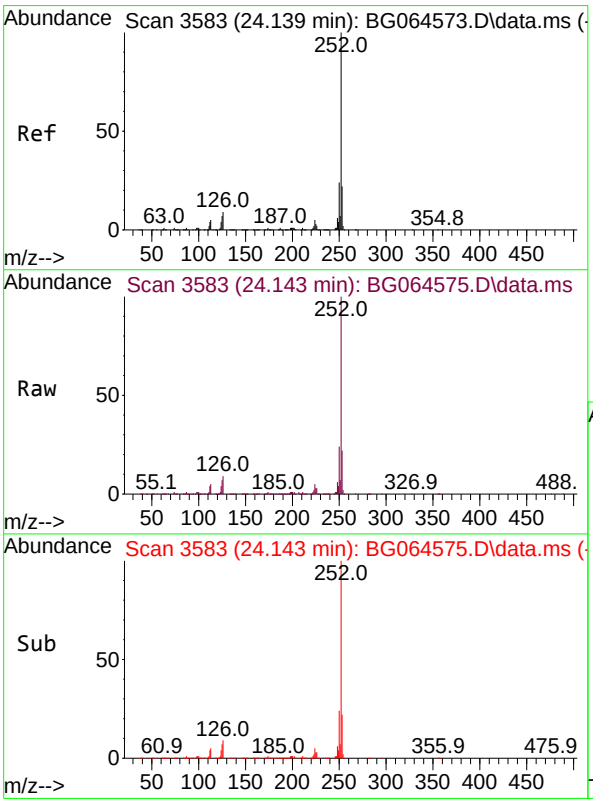
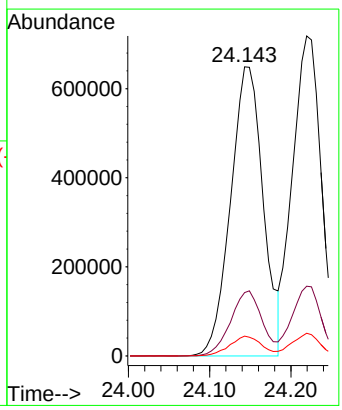
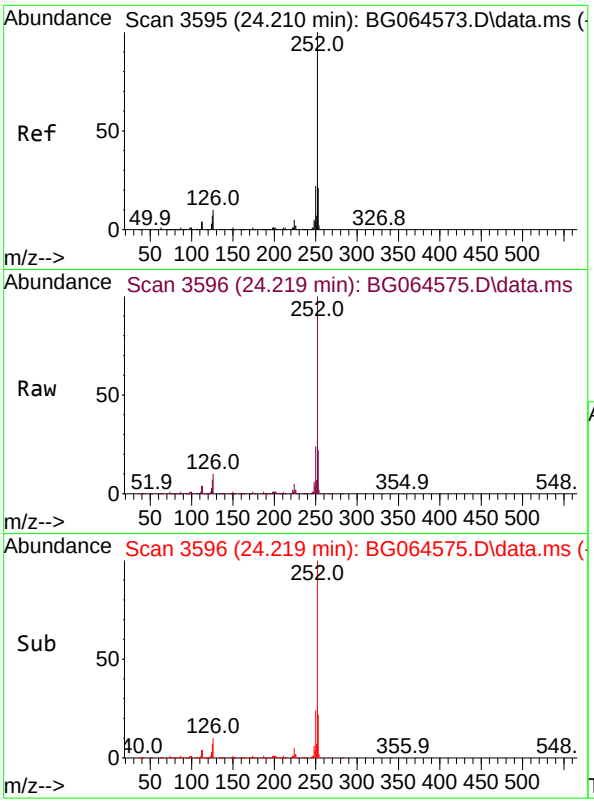


#88
Benzo(b)fluoranthene
Concen: 77.199 ng
RT: 24.143 min Scan# 3583
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 1810094

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	6.8	5.6	8.4

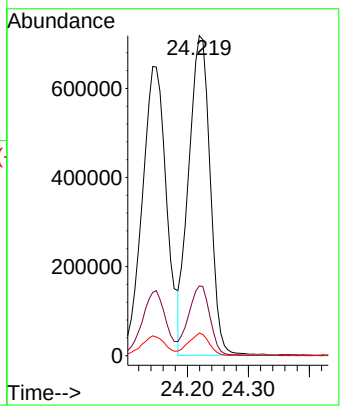




#89
Benzo(k)fluoranthene
Concen: 74.916 ng
RT: 24.219 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 175775

Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.8	25.2
125	7.1	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025
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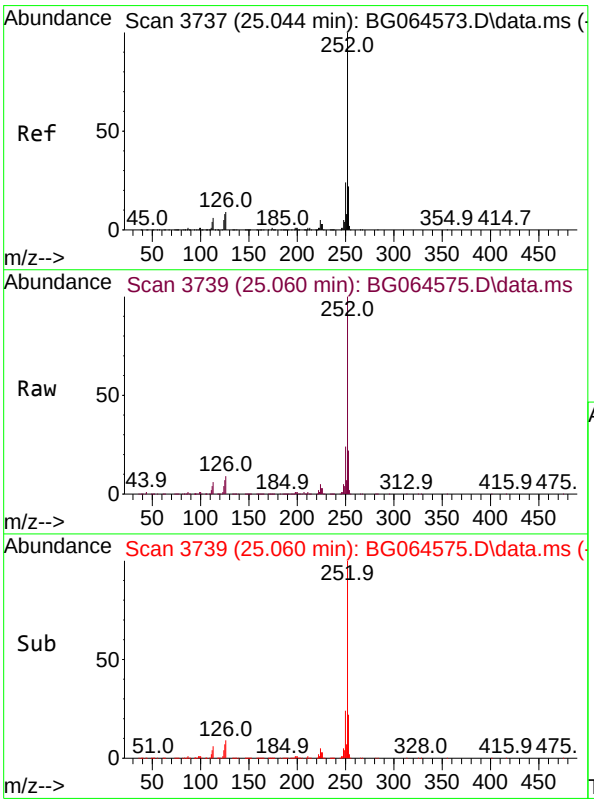
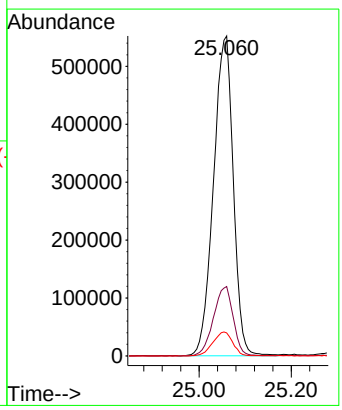
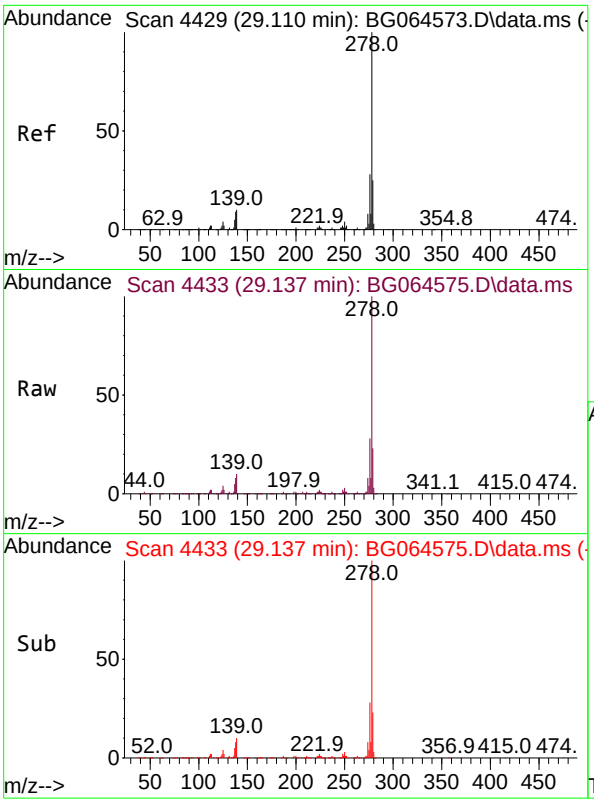


#90
Benzo(a)pyrene
Concen: 76.546 ng
RT: 25.060 min Scan# 3739
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 1649779

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	7.2	6.1	9.1

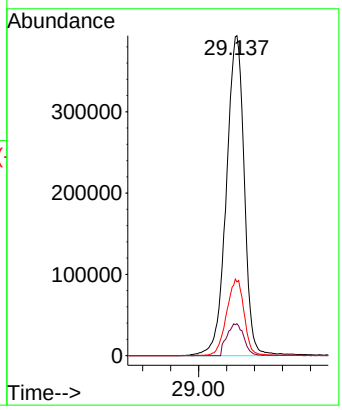




#91
Dibenzo(a,h)anthracene
Concen: 76.486 ng
RT: 29.137 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:278 Resp: 174789

Ion	Ratio	Lower	Upper
278	100		
139	10.0	8.0	12.0
279	23.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025
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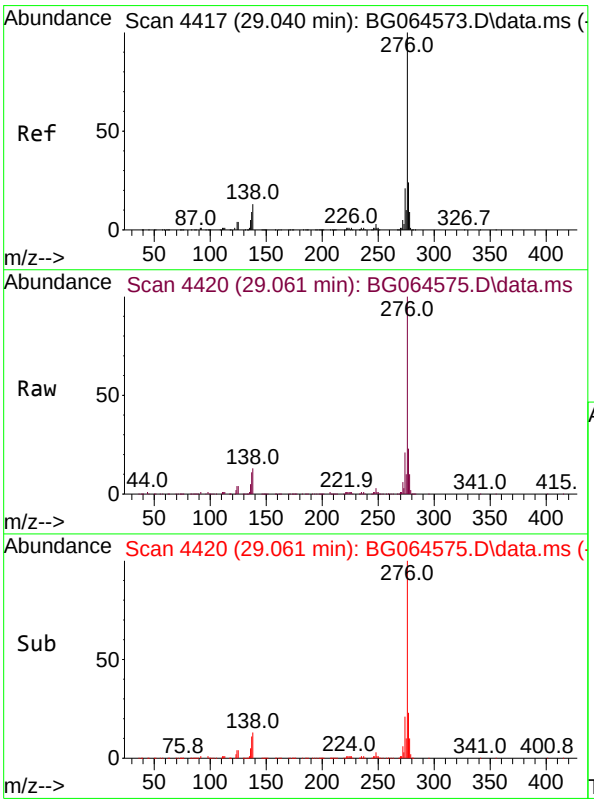
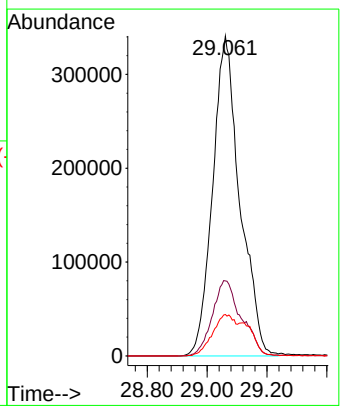


#92
Benzo(g,h,i)perylene
Concen: 76.663 ng
RT: 29.061 min Scan# 4420
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:276 Resp: 2156428

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	12.9	10.7	16.1



Quantitation Report (QT Reviewed)

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Acq On : 24 Oct 2025 15:32
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.224	152	43774	20.000	ng		0.00
21) Naphthalene-d8	11.050	136	182273	20.000	ng		0.00
39) Acenaphthene-d10	14.846	164	142032	20.000	ng		0.00
64) Phenanthrene-d10	17.584	188	343365	20.000	ng		0.00
76) Chrysene-d12	21.861	240	367592	20.000	ng		0.00
86) Perylene-d12	25.210	264	385865	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.750	112	249333	95.606	ng		0.00
7) Phenol-d6	7.354	99	349586	97.687	ng		0.00
23) Nitrobenzene-d5	9.387	82	324249	106.847	ng		0.00
42) 2,4,6-Tribromophenol	16.326	330	207294	101.122	ng		0.00
45) 2-Fluorobiphenyl	13.477	172	877315	93.626	ng		0.00
79) Terphenyl-d14	20.175	244	1814661	93.162	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.588	88	51872	44.926	ng		99
3) Pyridine	3.999	79	161000	46.434	ng		96
4) n-Nitrosodimethylamine	3.905	42	85377	45.917	ng		92
6) Aniline	7.536	93	228687	46.963	ng		99
8) 2-Chlorophenol	7.777	128	134062	49.112	ng		96
9) Benzaldehyde	7.343	77	91457	46.812	ng		96
10) Phenol	7.384	94	192663	48.681	ng		98
11) bis(2-Chloroethyl)ether	7.536	93	228687	46.963	ng		97
12) 1,3-Dichlorobenzene	8.112	146	146905	46.758	ng		98
13) 1,4-Dichlorobenzene	8.259	146	151083	47.294	ng		93
14) 1,2-Dichlorobenzene	8.582	146	143986	46.729	ng		96
15) Benzyl Alcohol	8.447	79	142880	48.417	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.741	45	361264	47.332	ng		99
17) 2-Methylphenol	8.453	107	74046	50.198	ng		96
18) Hexachloroethane	9.328	117	54330	48.463	ng		94
19) n-Nitroso-di-n-propyla...	9.029	70	122051	49.350	ng		97
20) 3+4-Methylphenols	8.982	107	176415	47.740	ng		99
22) Acetophenone	9.046	105	234956	47.155	ng	#	100
24) Nitrobenzene	9.428	77	171837	52.060	ng		96
25) Isophorone	9.957	82	348174	47.813	ng		97
26) 2-Nitrophenol	10.145	139	61611	48.353	ng		90
27) 2,4-Dimethylphenol	10.198	122	140852m	50.979	ng		
28) bis(2-Chloroethoxy)met...	10.439	93	194038	46.800	ng		99
29) 2,4-Dichlorophenol	10.680	162	148850	51.062	ng		94
30) 1,2,4-Trichlorobenzene	10.909	180	159207	48.068	ng		94
31) Naphthalene	11.103	128	471891	46.695	ng		98
32) Benzoic acid	10.321	122	97652m	48.883	ng		
33) 4-Chloroaniline	11.191	127	186814	47.560	ng		98
34) Hexachlorobutadiene	11.397	225	123596	47.716	ng		98
35) Caprolactam	11.961	113	53689	48.020	ng	#	93
36) 4-Chloro-3-methylphenol	12.296	107	171120	48.836	ng		98
37) 2-Methylnaphthalene	12.695	142	351946	47.435	ng		97
38) 1-Methylnaphthalene	12.913	142	342687	46.939	ng		95
40) 1,2,4,5-Tetrachloroben...	13.054	216	224658	47.131	ng		99
41) Hexachlorocyclopentadiene	13.042	237	105411	49.131	ng		98
43) 2,4,6-Trichlorophenol	13.283	196	141505	51.898	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064576.D
Acq On : 24 Oct 2025 15:32
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 24 17:11:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
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BNA_G
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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.353	196	157315	49.997	ng		96
46) 1,1'-Biphenyl	13.688	154	470676	46.613	ng		99
47) 2-Chloronaphthalene	13.729	162	359811	47.208	ng		99
48) 2-Nitroaniline	13.911	65	121908	47.668	ng		92
49) Acenaphthylene	14.569	152	565771	47.060	ng		99
50) Dimethylphthalate	14.293	163	519303	47.781	ng		99
51) 2,6-Dinitrotoluene	14.405	165	86665	48.306	ng		99
52) Acenaphthene	14.910	154	388012	47.239	ng		99
53) 3-Nitroaniline	14.734	138	99748	53.405	ng		96
54) 2,4-Dinitrophenol	14.928	184	49318	47.268	ng		89
55) Dibenzofuran	15.239	168	615553	46.355	ng		99
56) 4-Nitrophenol	15.016	139	88609	51.169	ng		95
57) 2,4-Dinitrotoluene	15.186	165	132374	47.759	ng	#	99
58) Fluorene	15.891	166	481625	46.441	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.457	232	157783	52.440	ng		99
60) Diethylphthalate	15.650	149	527594	47.543	ng		100
61) 4-Chlorophenyl-phenyle...	15.880	204	271068	46.576	ng		98
62) 4-Nitroaniline	15.891	138	110067	52.970	ng		98
63) Azobenzene	16.168	77	475203	46.671	ng		99
65) 4,6-Dinitro-2-methylph...	15.944	198	71672	47.500	ng		95
66) n-Nitrosodiphenylamine	16.085	169	444824	47.959	ng		99
67) 4-Bromophenyl-phenylether	16.773	248	196226	48.225	ng		96
68) Hexachlorobenzene	16.890	284	223018	48.043	ng		94
69) Atrazine	17.025	200	187862	47.066	ng		96
70) Pentachlorophenol	17.225	266	147427	50.930	ng		95
71) Phenanthrene	17.625	178	875415	46.621	ng		99
72) Anthracene	17.719	178	893629	46.785	ng		99
73) Carbazole	17.977	167	781031	46.370	ng		100
74) Di-n-butylphthalate	18.535	149	930281	47.762	ng		100
75) Fluoranthene	19.622	202	1092855	46.459	ng		99
77) Benzidine	19.787	184	382418	46.435	ng		100
78) Pyrene	19.981	202	1133345	47.190	ng		99
80) Butylbenzylphthalate	20.856	149	374611	51.609	ng		100
81) Benzo(a)anthracene	21.843	228	1151242	47.234	ng		99
82) 3,3'-Dichlorobenzidine	21.743	252	389240	47.824	ng		97
83) Chrysene	21.908	228	1091456	47.062	ng		98
84) Bis(2-ethylhexyl)phtha...	21.749	149	537716	49.576	ng		98
85) Di-n-octyl phthalate	23.018	149	896763	49.039	ng		99
87) Indeno(1,2,3-cd)pyrene	29.052	276	1346188	47.425	ng		97
88) Benzo(b)fluoranthene	24.146	252	1131250	47.810	ng		100
89) Benzo(k)fluoranthene	24.217	252	1110490	46.901	ng		98
90) Benzo(a)pyrene	25.051	252	1029605	47.339	ng		99
91) Dibenzo(a,h)anthracene	29.129	278	1090407	47.283	ng		99
92) Benzo(g,h,i)perylene	29.052	276	1346188	47.425	ng		100

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

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064576.D
Acq On : 24 Oct 2025 15:32
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 24 17:11:31 2025
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QLast Update : Fri Oct 24 16:40:26 2025
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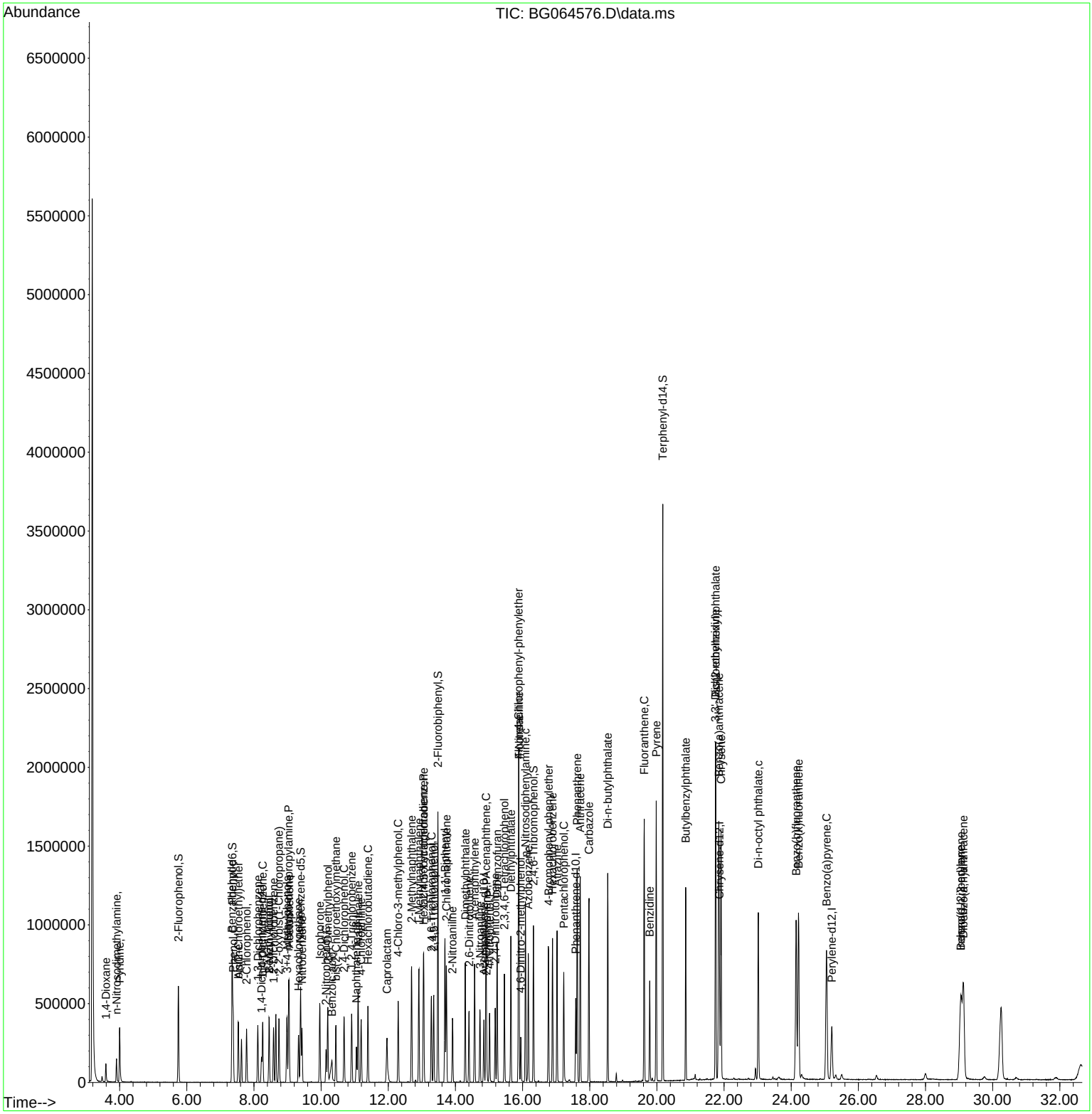
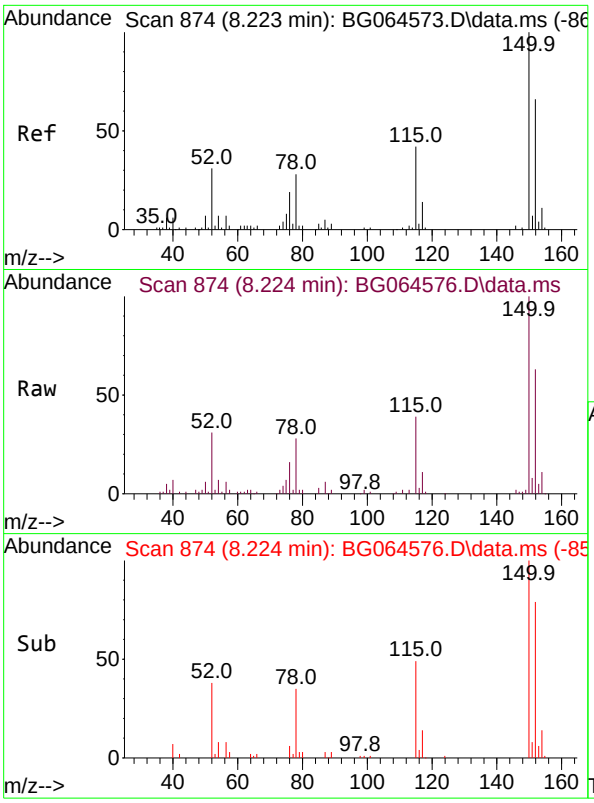
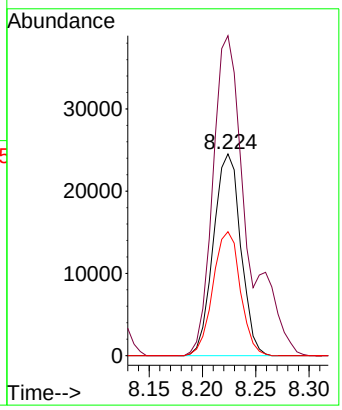




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 8
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:152 Resp: 4377

Ion	Ratio	Lower	Upper
152	100		
150	158.7	122.2	183.4
115	61.5	50.8	76.2



Instrument :
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SSTDICC050

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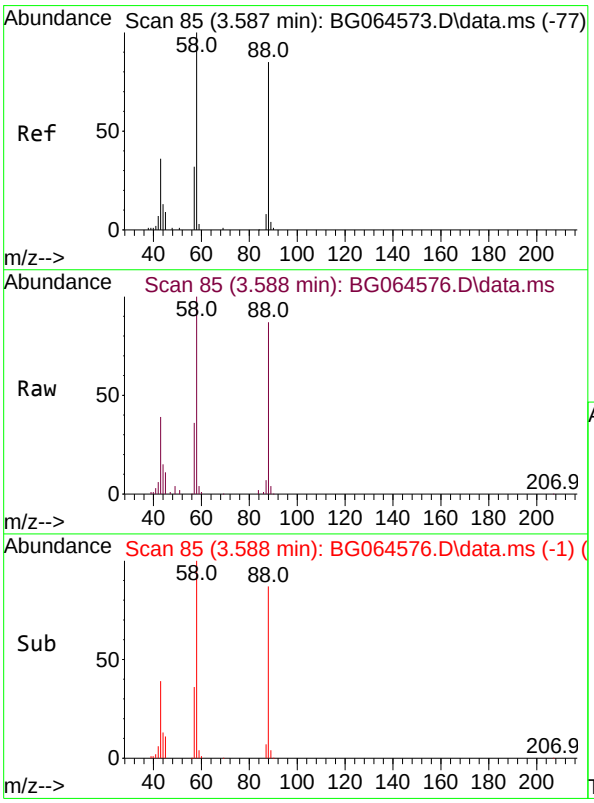
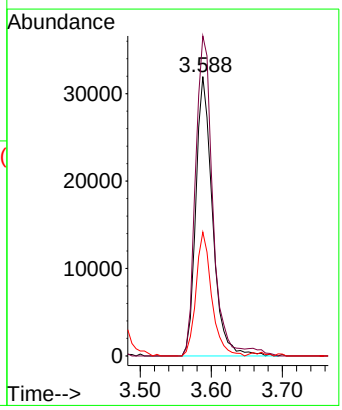
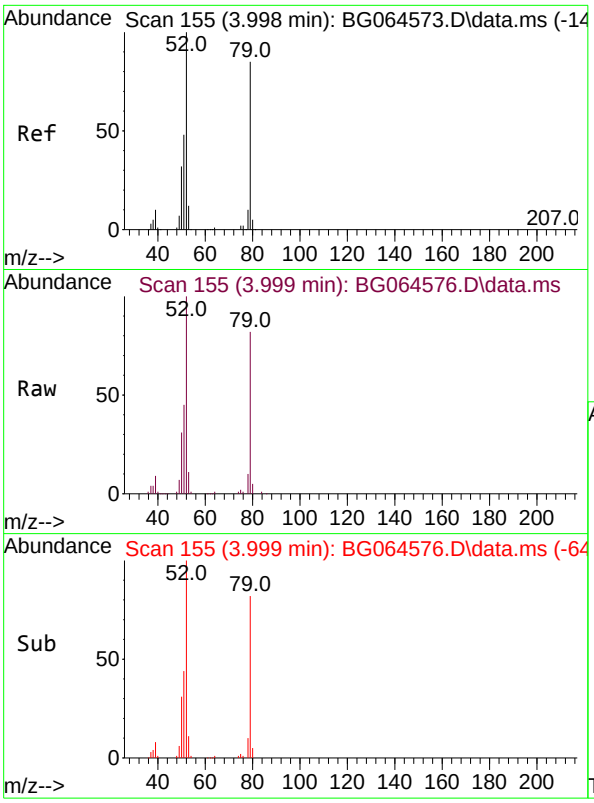


#2
1,4-Dioxane
Concen: 44.926 ng
RT: 3.588 min Scan# 85
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 88 Resp: 51872

Ion	Ratio	Lower	Upper
88	100		
58	116.7	92.4	138.6
43	41.6	33.0	49.6

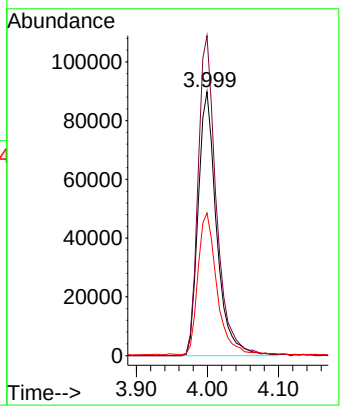




#3
Pyridine
Concen: 46.434 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 79 Resp: 16100

Ion	Ratio	Lower	Upper
79	100		
52	121.3	94.2	141.2
51	54.1	46.1	69.1



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ClientSampleId :
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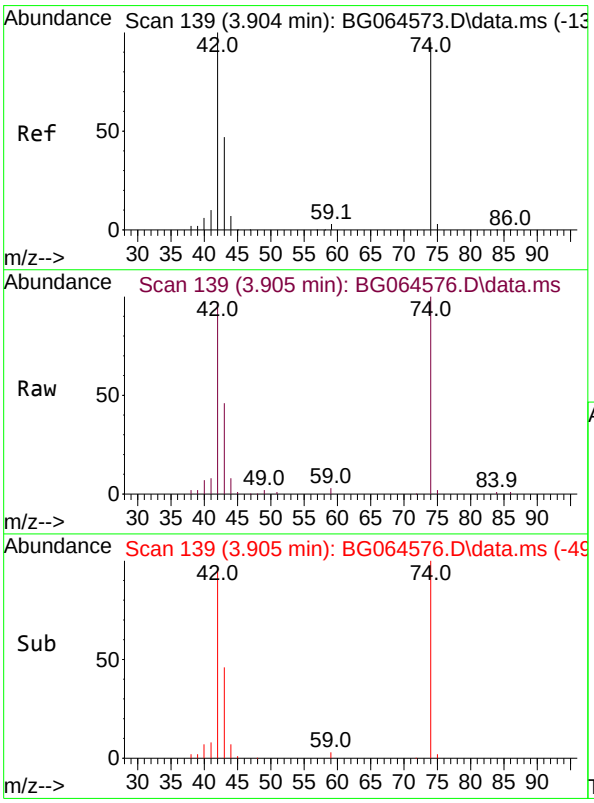
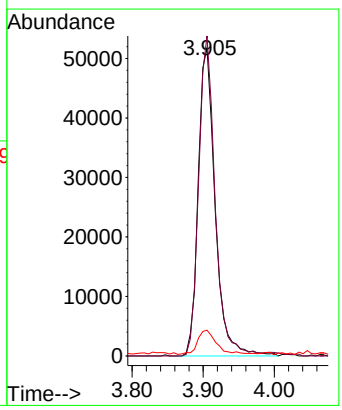
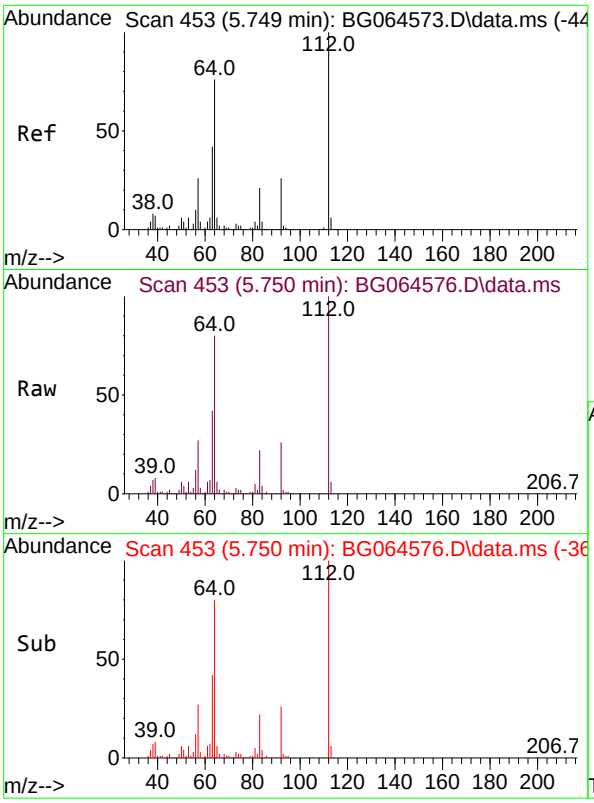


#4
n-Nitrosodimethylamine
Concen: 45.917 ng
RT: 3.905 min Scan# 139
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 42 Resp: 85377

Ion	Ratio	Lower	Upper
42	100		
74	103.9	76.1	114.1
44	8.4	6.3	9.5

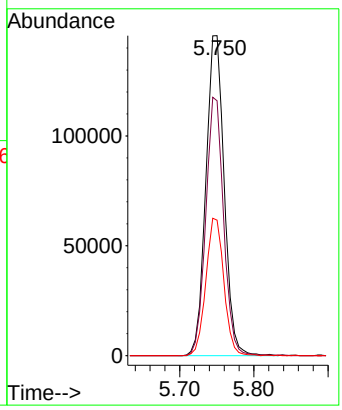




#5
2-Fluorophenol
Concen: 95.606 ng
RT: 5.750 min Scan# 4
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:112 Resp: 24933

Ion	Ratio	Lower	Upper
112	100		
64	79.6	60.7	91.1
63	42.3	33.4	50.0



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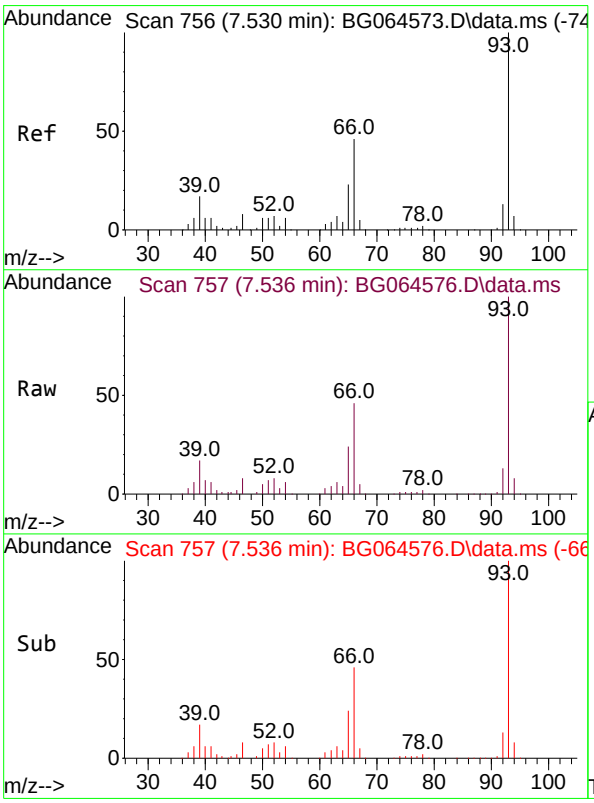
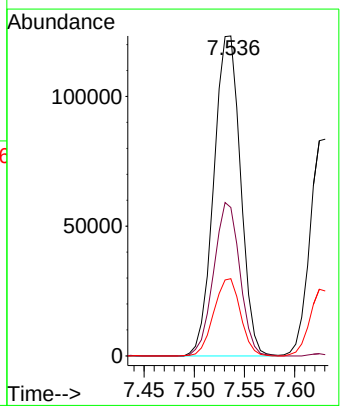
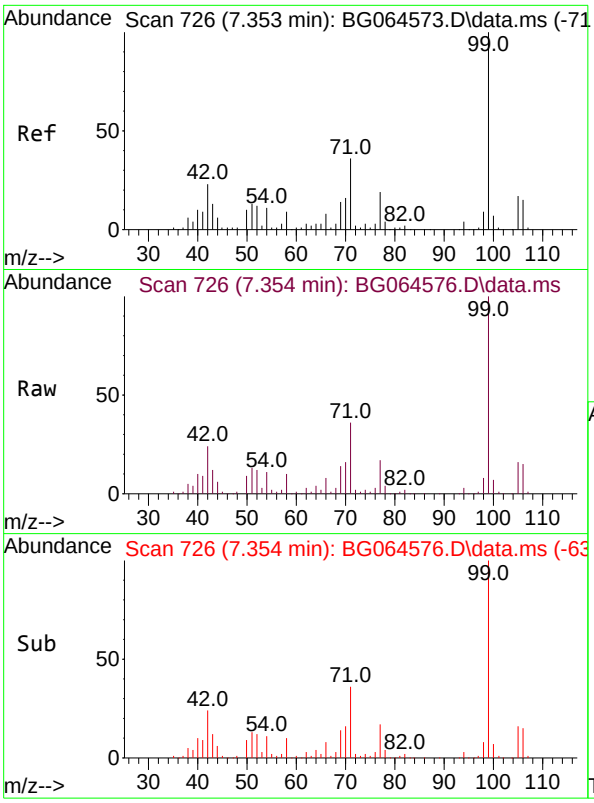


#6
Aniline
Concen: 46.963 ng
RT: 7.536 min Scan# 757
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 93 Resp: 228687

Ion	Ratio	Lower	Upper
93	100		
66	46.4	37.0	55.6
65	24.1	18.3	27.5

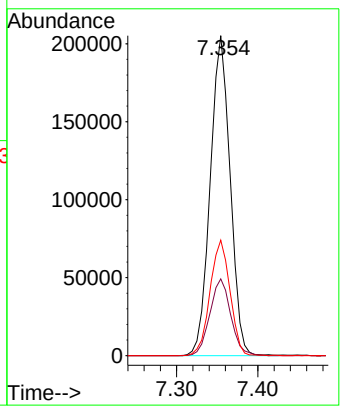




#7
Phenol-d6
Concen: 97.687 ng
RT: 7.354 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 99 Resp: 34958

Ion	Ratio	Lower	Upper
99	100		
42	24.0	18.3	27.5
71	36.1	28.6	43.0



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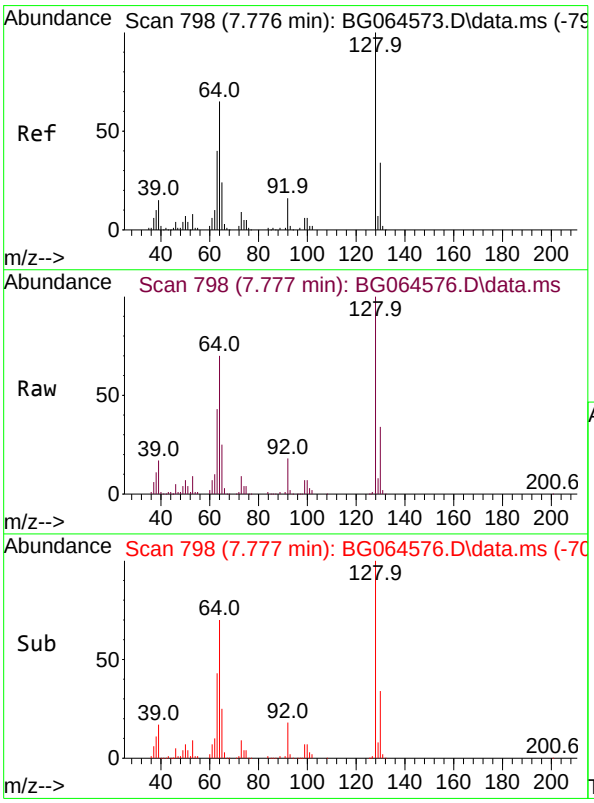
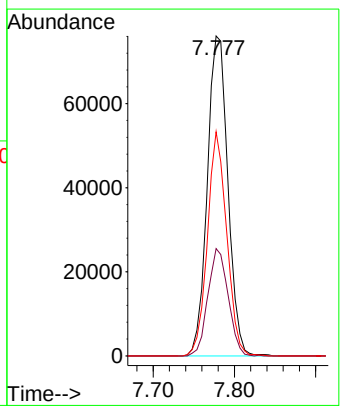
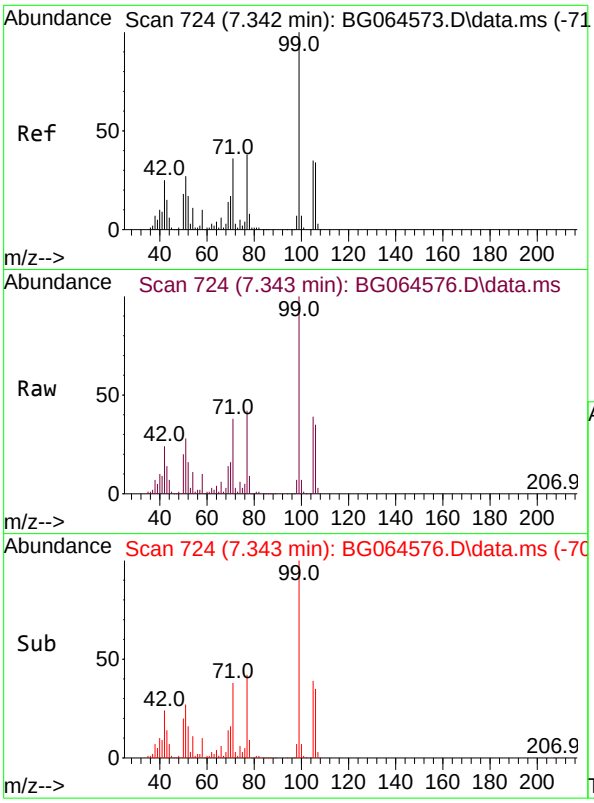


#8
2-Chlorophenol
Concen: 49.112 ng
RT: 7.777 min Scan# 798
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:128 Resp: 134062

Ion	Ratio	Lower	Upper
128	100		
130	33.5	13.5	53.5
64	70.0	45.2	85.2

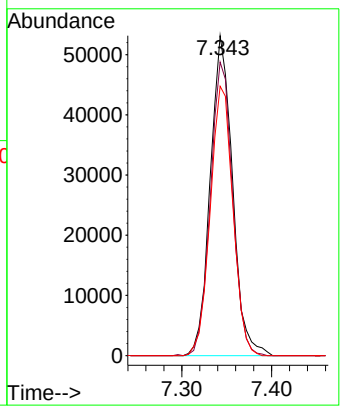




#9
Benzaldehyde
Concen: 46.812 ng
RT: 7.343 min Scan# 7
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 77 Resp: 9145

Ion	Ratio	Lower	Upper
77	100		
105	91.7	72.9	112.9
106	84.2	70.8	110.8



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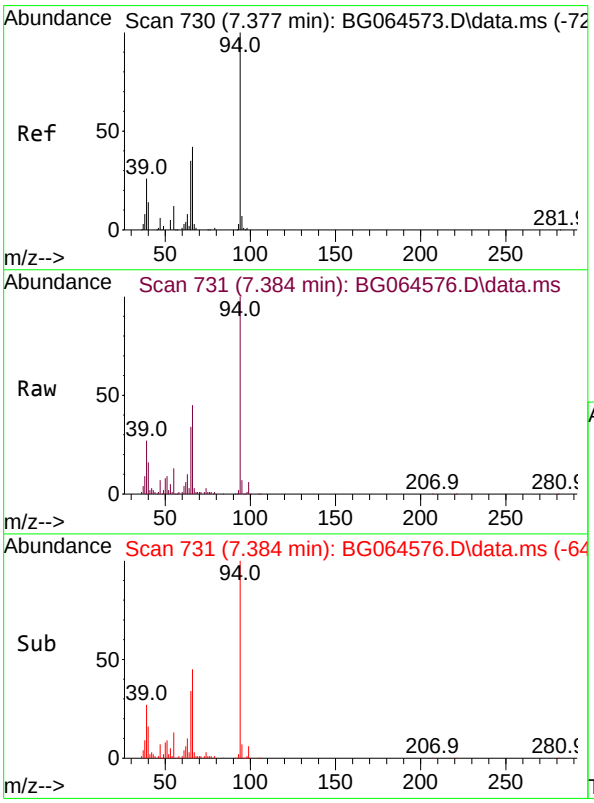
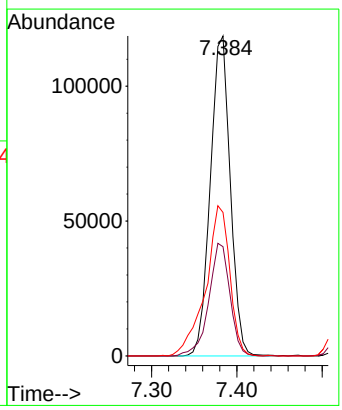
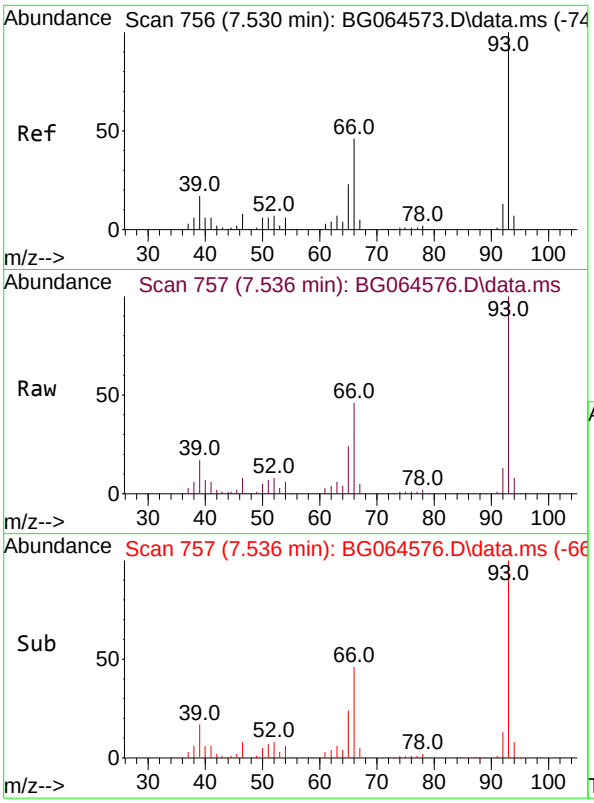


#10
Phenol
Concen: 48.681 ng
RT: 7.384 min Scan# 731
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 94 Resp: 192663

Ion	Ratio	Lower	Upper
94	100		
65	34.1	15.8	55.8
66	44.8	24.0	64.0

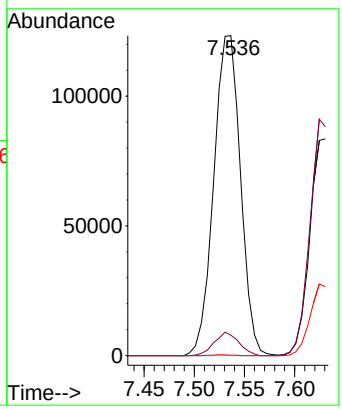




#11
bis(2-Chloroethyl)ether
Concen: 46.963 ng
RT: 7.536 min Scan# 7
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 93 Resp: 22868

Ion	Ratio	Lower	Upper
93	100		
63	6.4	0.0	27.4
95	0.1	0.0	20.2



Instrument :
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ClientSampleId :
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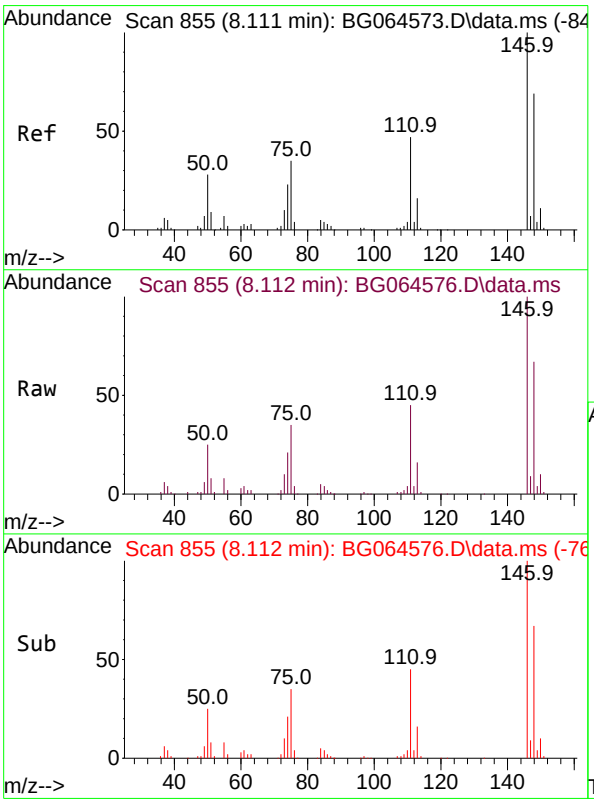
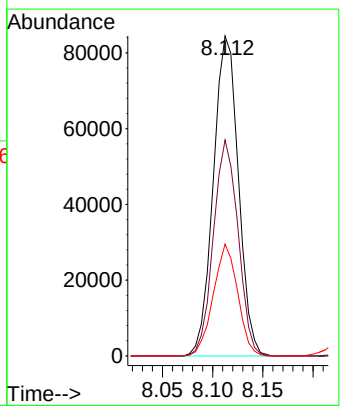
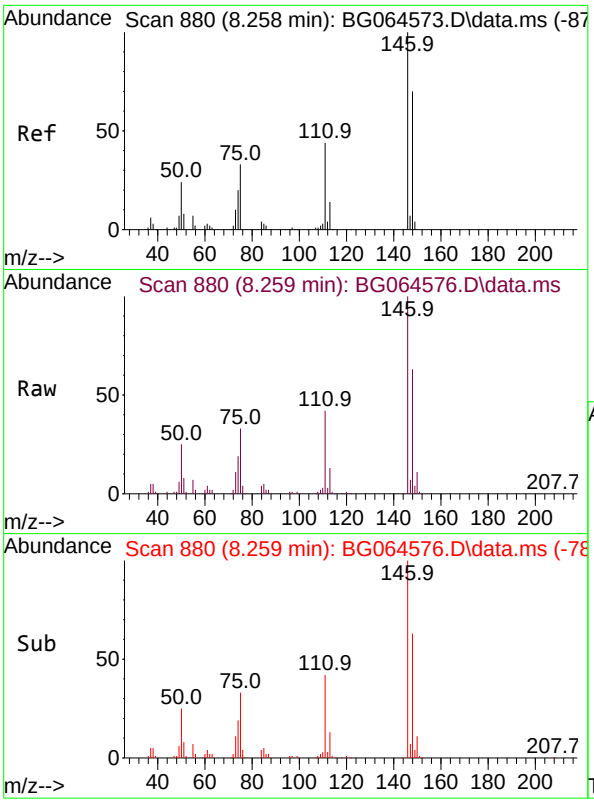


#12
1,3-Dichlorobenzene
Concen: 46.758 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:146 Resp: 146905

Ion	Ratio	Lower	Upper
146	100		
148	67.4	55.3	82.9
75	34.9	28.2	42.2





#13
1,4-Dichlorobenzene
Concen: 47.294 ng
RT: 8.259 min Scan# 88
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:146 Resp: 15108

Ion	Ratio	Lower	Upper
146	100		
148	62.7	56.2	84.4
111	42.0	35.4	53.0

Instrument :
BNA_G
ClientSampleId :
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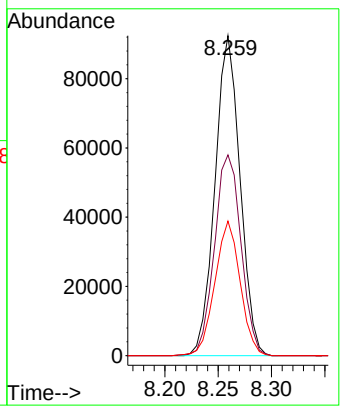
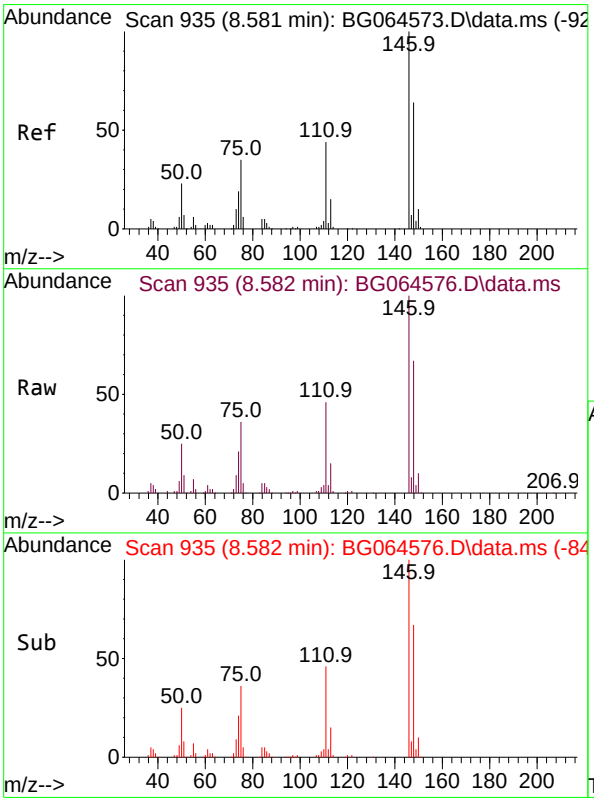
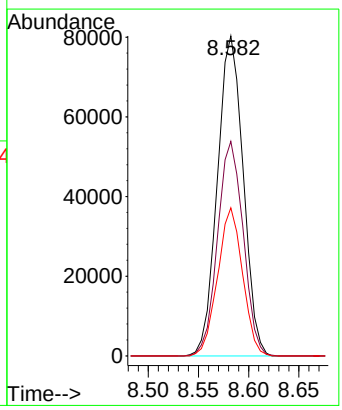


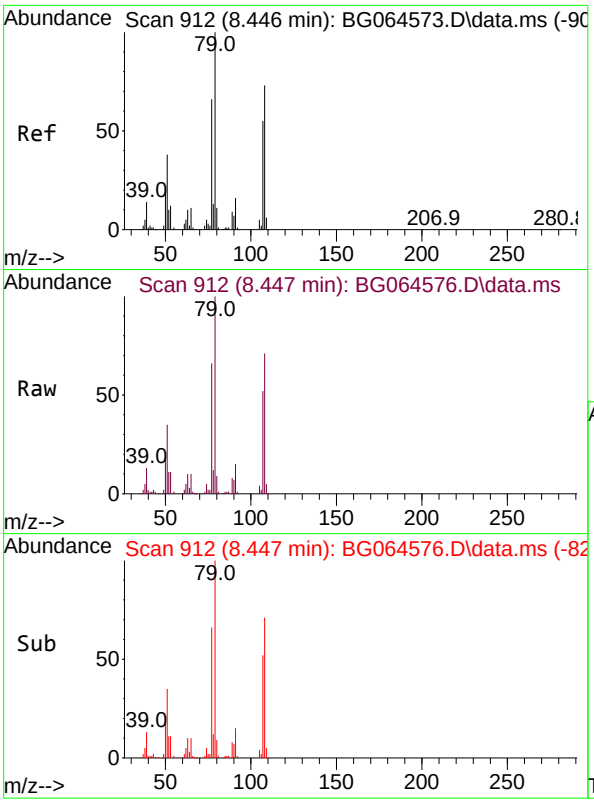


#14
1,2-Dichlorobenzene
Concen: 46.729 ng
RT: 8.582 min Scan# 935
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:146 Resp: 143986

Ion	Ratio	Lower	Upper
146	100		
148	67.0	51.5	77.3
111	46.3	35.0	52.6

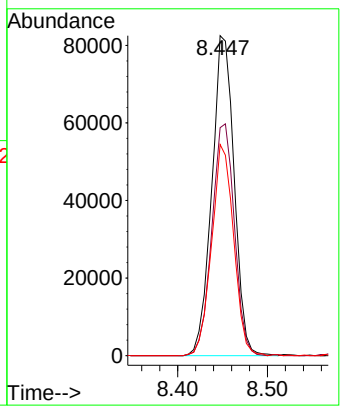




#15
Benzyl Alcohol
Concen: 48.417 ng
RT: 8.447 min Scan# 91
Delta R.T. -0.008 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 79 Resp: 14288

Ion	Ratio	Lower	Upper
79	100		
108	71.2	58.1	87.1
77	66.0	52.8	79.2



Instrument :
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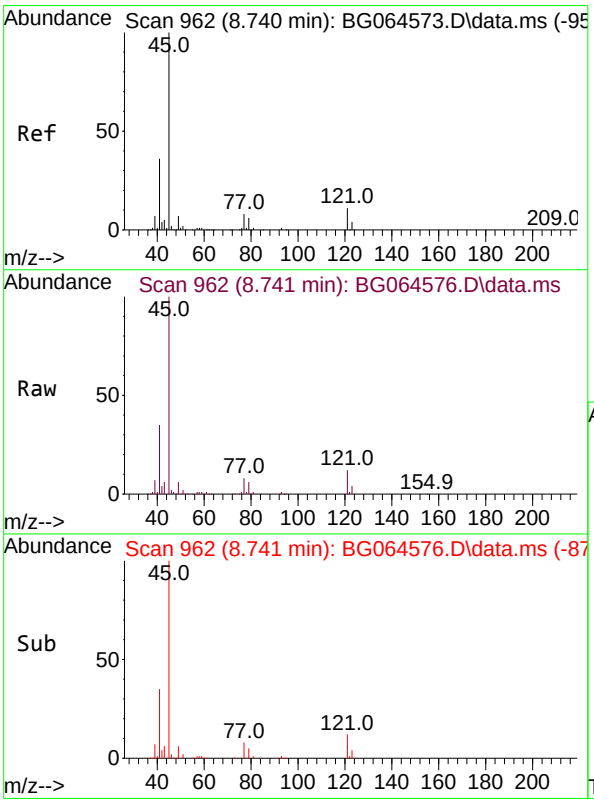
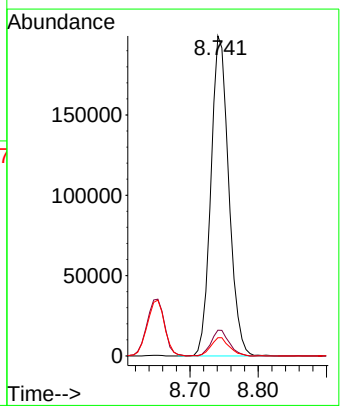
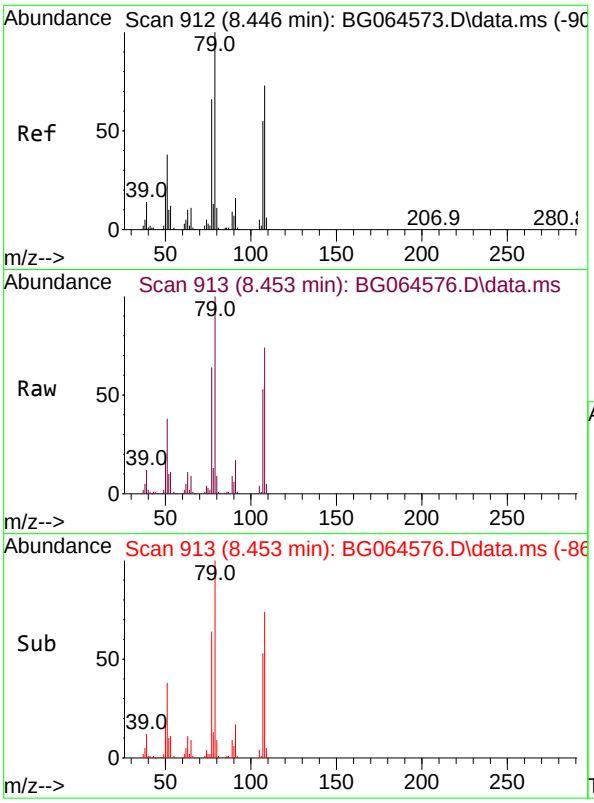


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.332 ng
RT: 8.741 min Scan# 962
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 45 Resp: 361264

Ion	Ratio	Lower	Upper
45	100		
77	8.0	0.0	28.5
79	5.7	0.0	25.6

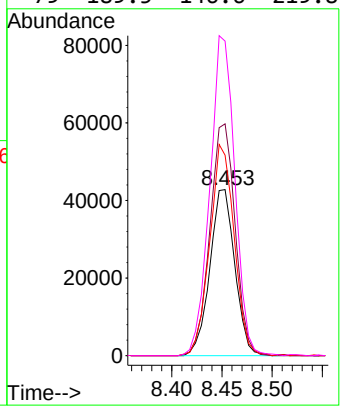




#17
2-Methylphenol
Concen: 50.198 ng
RT: 8.453 min Scan# 91
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:107 Resp: 7404

Ion	Ratio	Lower	Upper
107	100		
108	139.7	106.4	159.6
77	120.8	96.7	145.1
79	189.5	146.6	219.8



Instrument :
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ClientSampleId :
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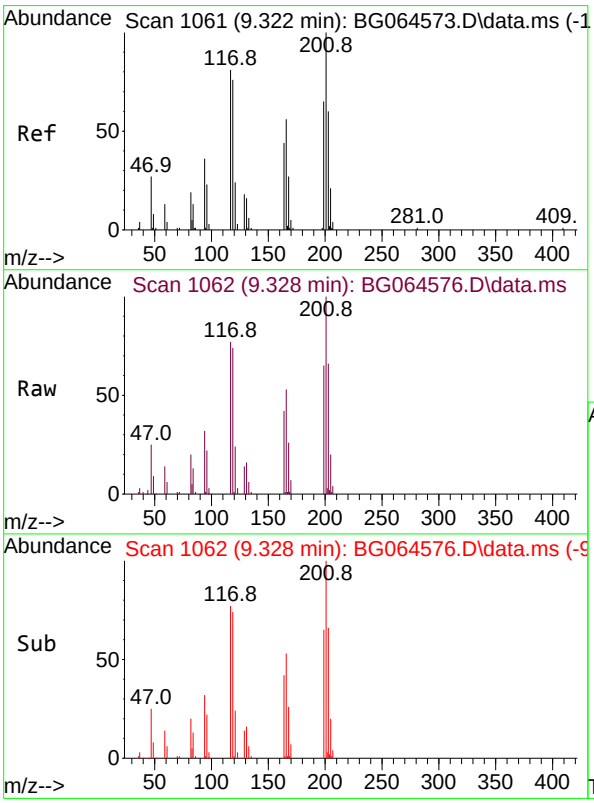
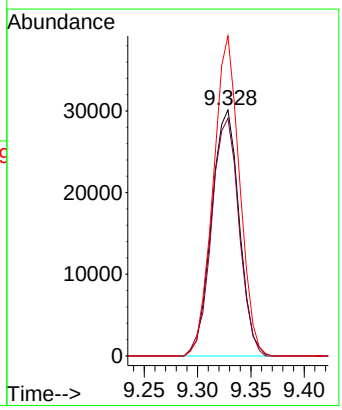
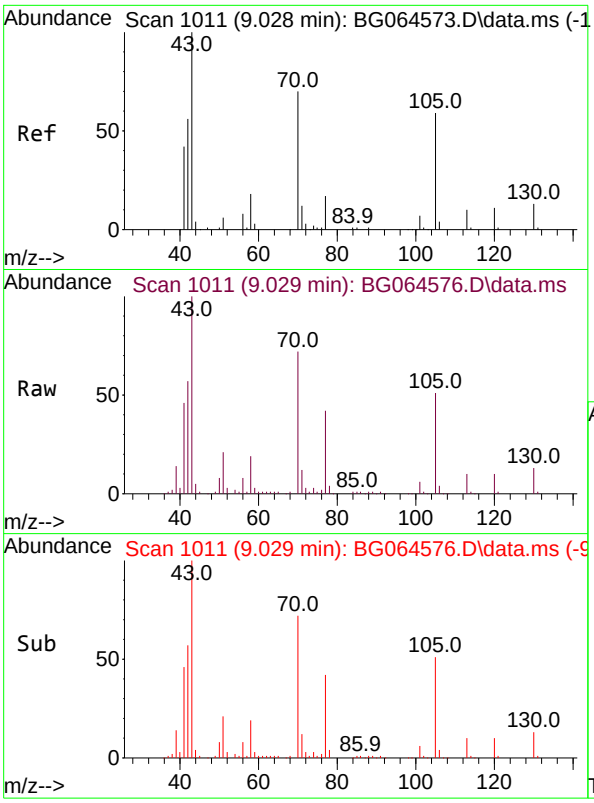


#18
Hexachloroethane
Concen: 48.463 ng
RT: 9.328 min Scan# 1062
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:117 Resp: 54330

Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.4	113.2
201	134.0	99.2	148.8

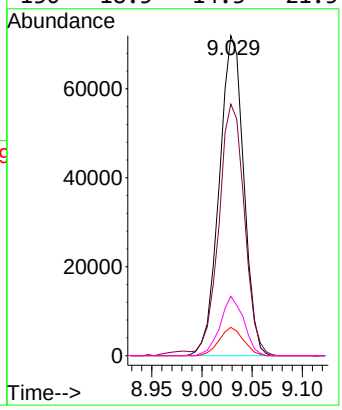




#19
n-Nitroso-di-n-propylamine
Concen: 49.350 ng
RT: 9.029 min Scan# 10
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 70 Resp: 12205

Ion	Ratio	Lower	Upper
70	100		
42	78.6	65.2	97.8
101	8.8	7.9	11.9
130	18.5	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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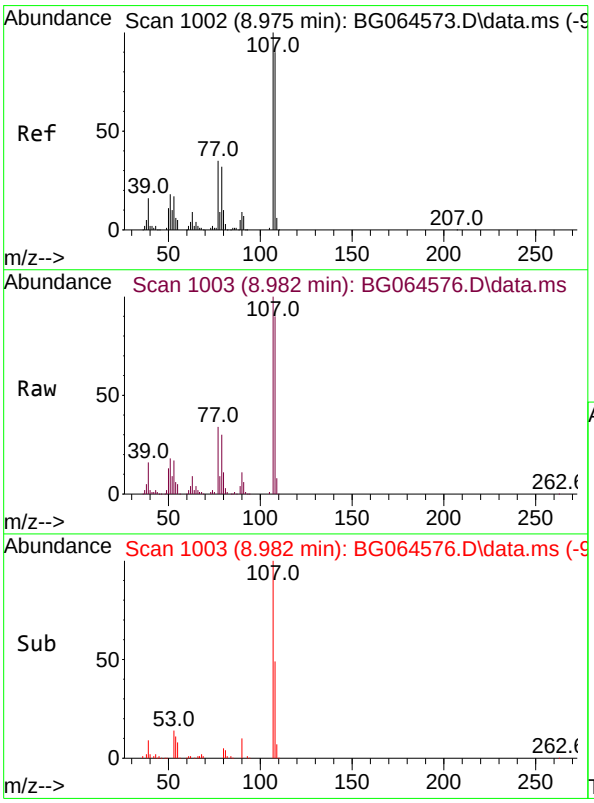
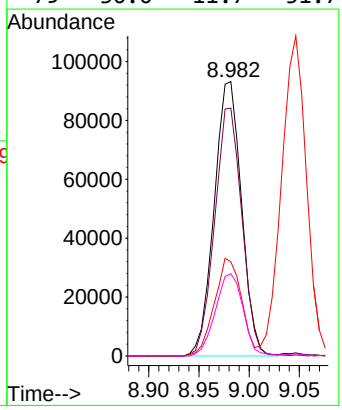
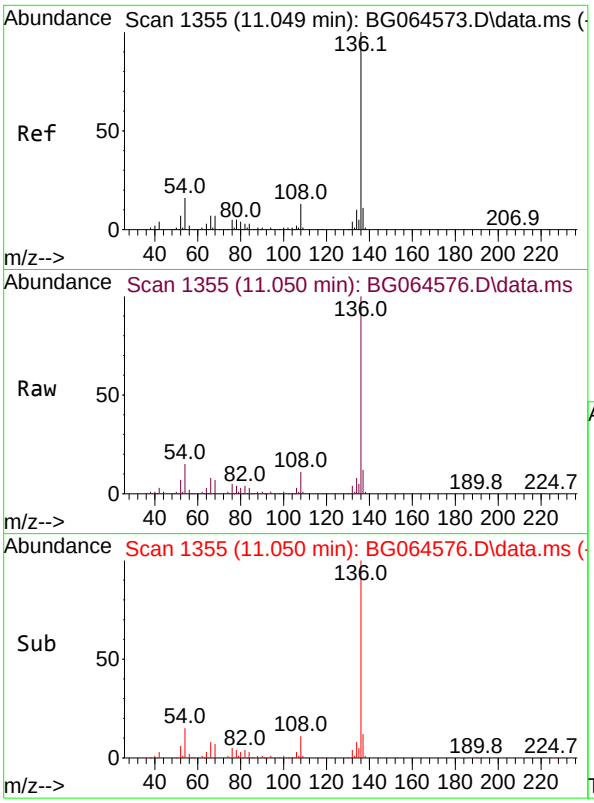


#20
3+4-Methylphenols
Concen: 47.740 ng
RT: 8.982 min Scan# 1003
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:107 Resp: 176415

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.3	110.3
77	34.2	14.6	54.6
79	30.0	11.7	51.7

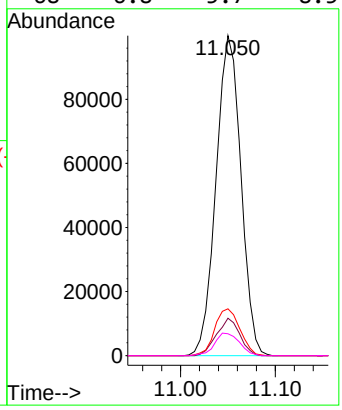




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:136 Resp: 18227

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	14.6	12.6	19.0
68	6.8	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
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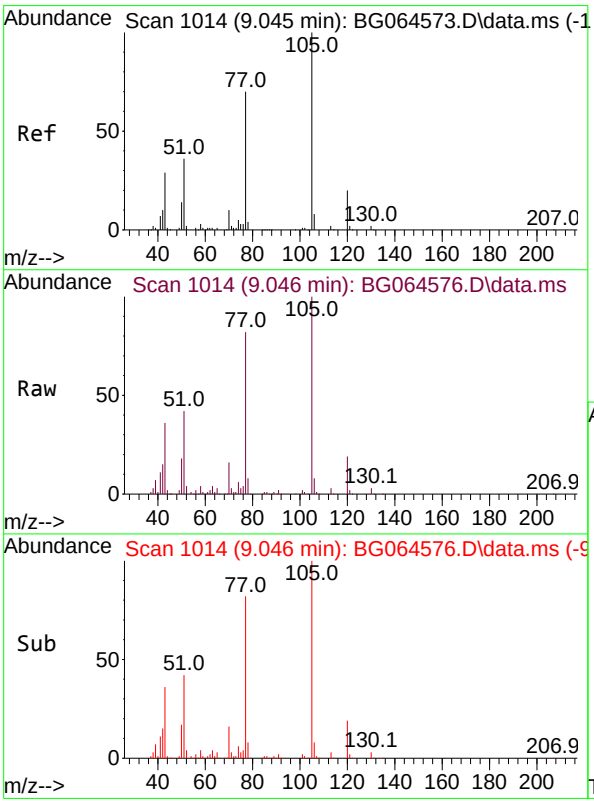
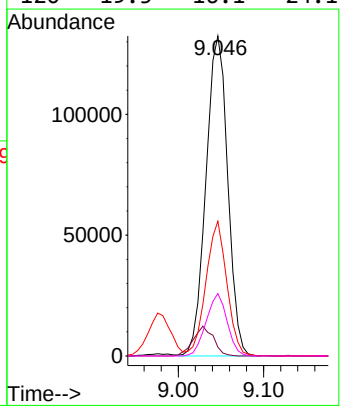
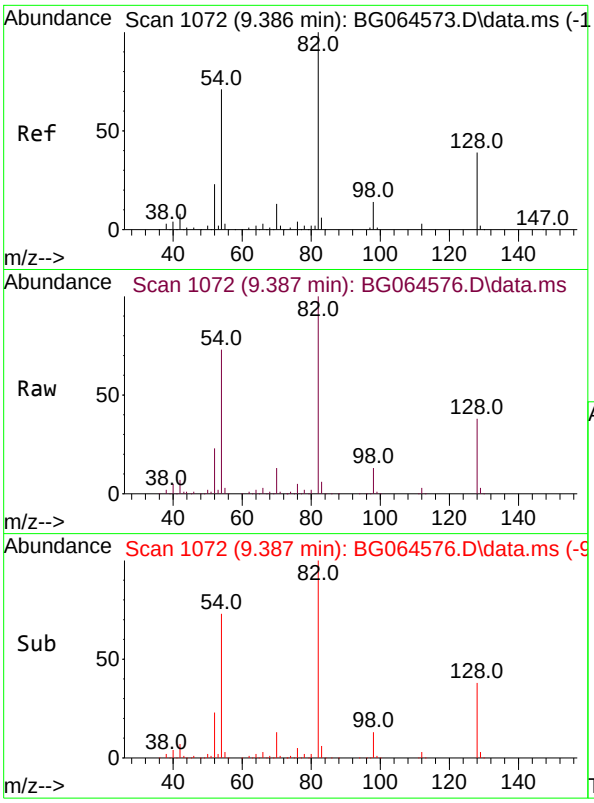


#22
Acetophenone
Concen: 47.155 ng
RT: 9.046 min Scan# 1014
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:105 Resp: 234956

Ion	Ratio	Lower	Upper
105	100		
71	2.8	1.5	2.3#
51	42.1	33.7	50.5
120	19.5	16.1	24.1

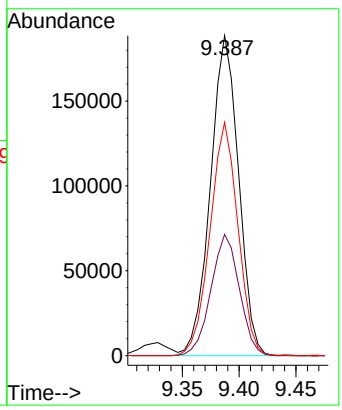




#23
Nitrobenzene-d5
Concen: 106.847 ng
RT: 9.387 min Scan# 10
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 82 Resp: 324249

Ion	Ratio	Lower	Upper
82	100		
128	37.9	31.3	46.9
54	72.9	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
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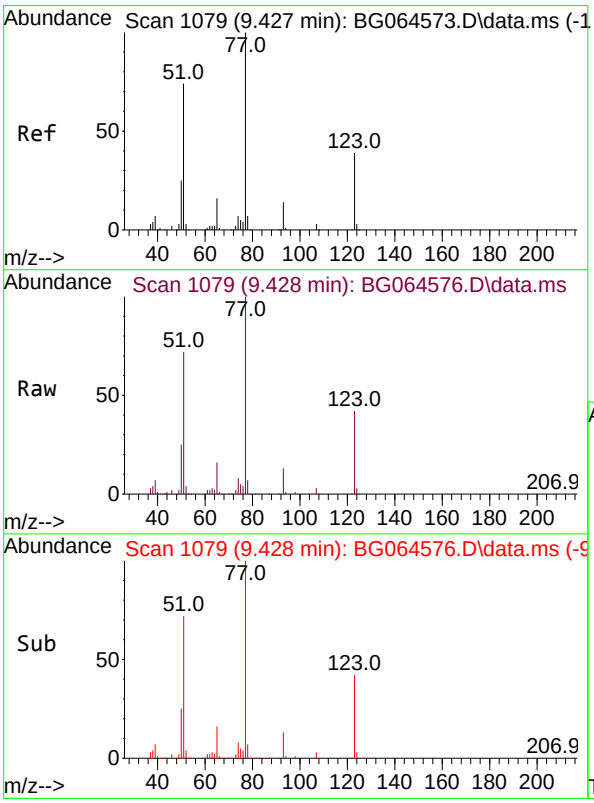
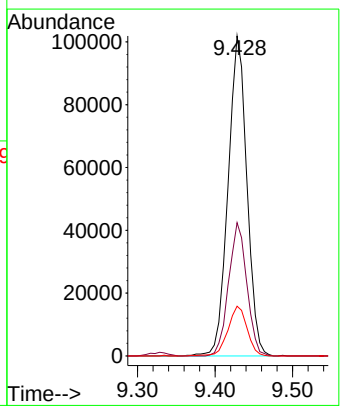
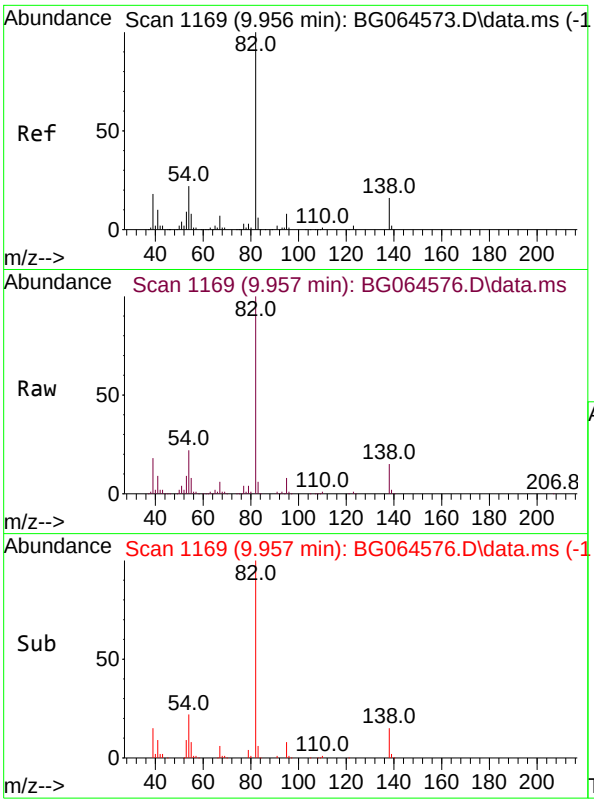


#24
Nitrobenzene
Concen: 52.060 ng
RT: 9.428 min Scan# 1079
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 77 Resp: 171837

Ion	Ratio	Lower	Upper
77	100		
123	41.6	31.0	46.6
65	15.5	12.7	19.1

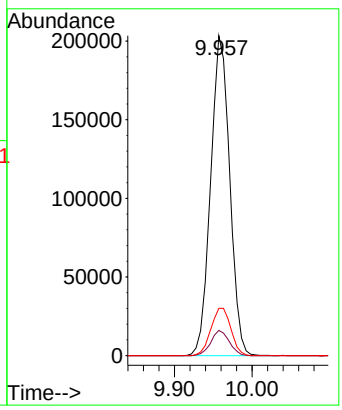




#25
Isophorone
Concen: 47.813 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 82 Resp: 34817

Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.1	9.1
138	14.8	13.0	19.4



Instrument :
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ClientSampleId :
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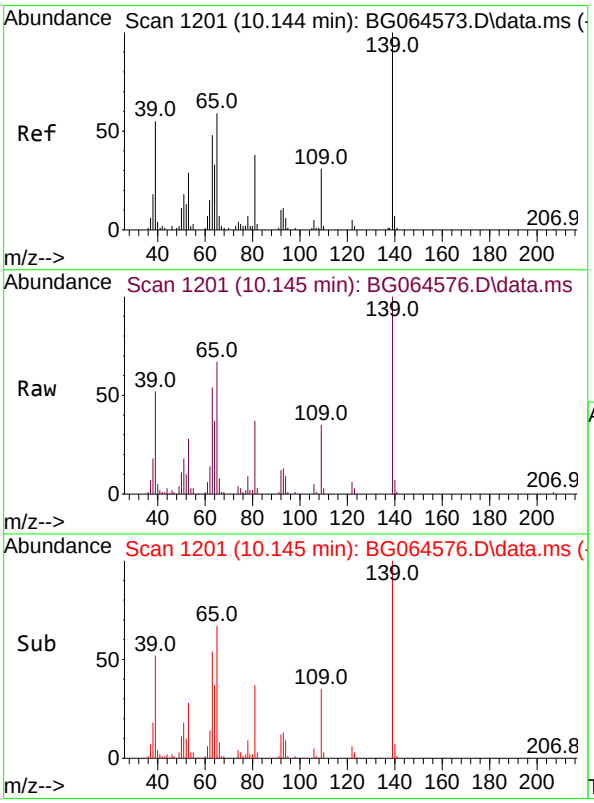
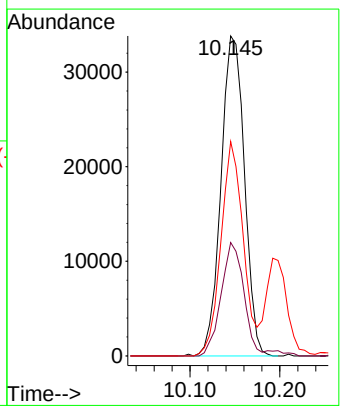
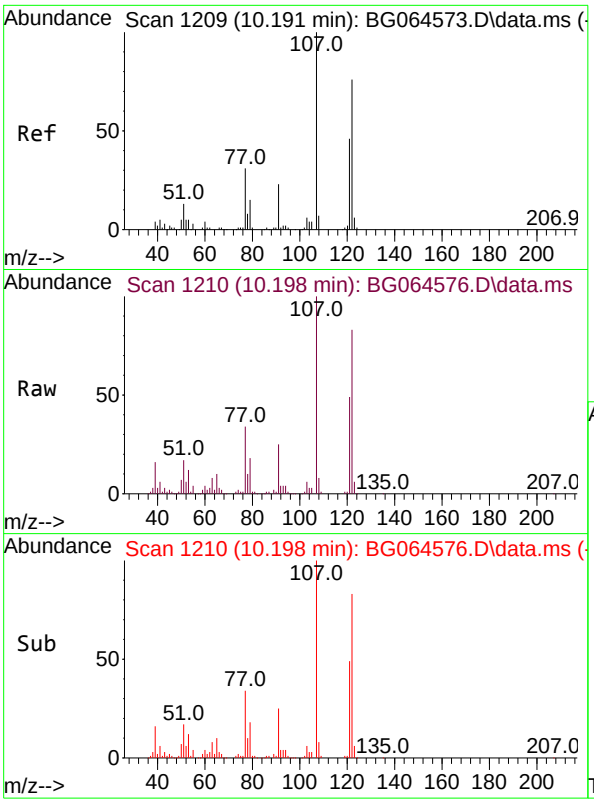


#26
2-Nitrophenol
Concen: 48.353 ng
RT: 10.145 min Scan# 1201
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:139 Resp: 61611

Ion	Ratio	Lower	Upper
139	100		
109	35.4	24.6	37.0
65	67.0	47.5	71.3

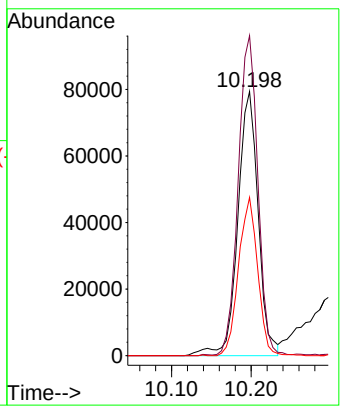




#27
2,4-Dimethylphenol
Concen: 50.979 ng m
RT: 10.198 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:122 Resp: 14085

Ion	Ratio	Lower	Upper
122	100		
107	121.2	103.0	154.4
121	59.9	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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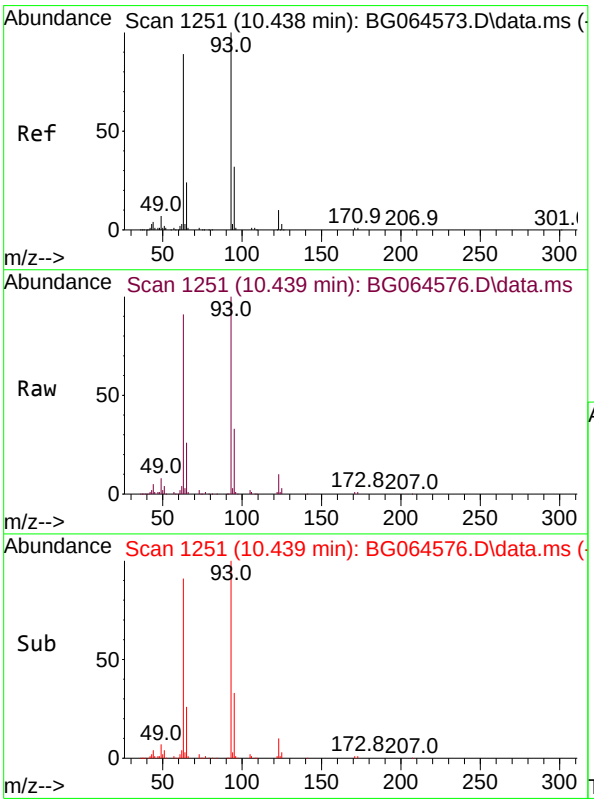
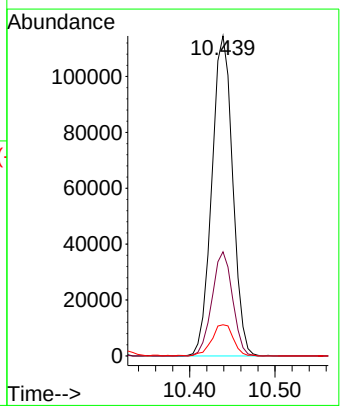
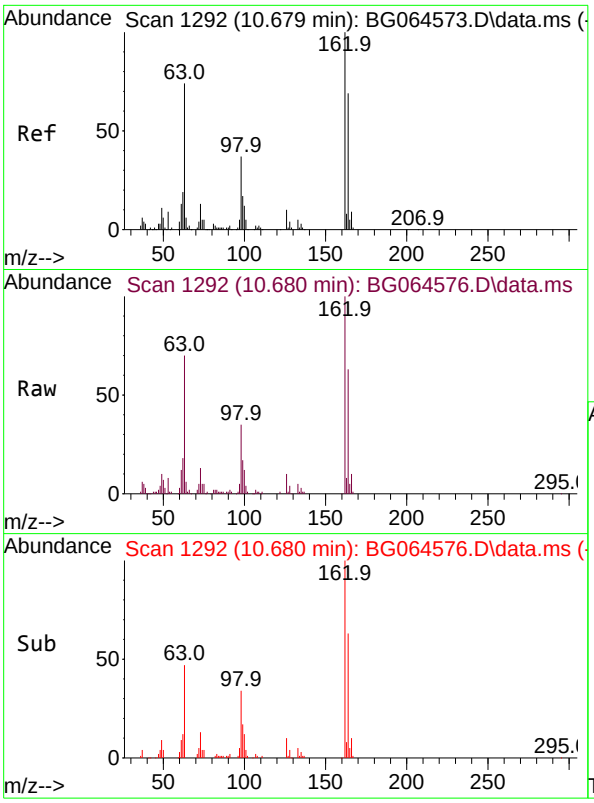


#28
bis(2-Chloroethoxy)methane
Concen: 46.800 ng
RT: 10.439 min Scan# 1251
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 93 Resp: 194038

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.4	38.2
123	9.7	8.4	12.6

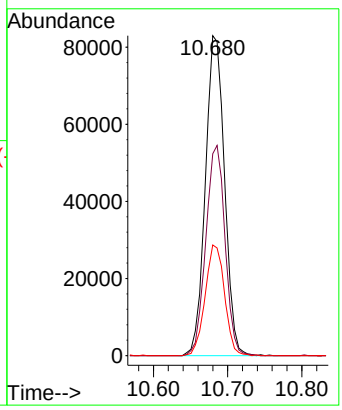




#29
2,4-Dichlorophenol
Concen: 51.062 ng
RT: 10.680 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:162 Resp: 14885

Ion	Ratio	Lower	Upper
162	100		
164	63.1	48.7	88.7
98	34.6	16.9	56.9



Instrument :
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ClientSampleId :
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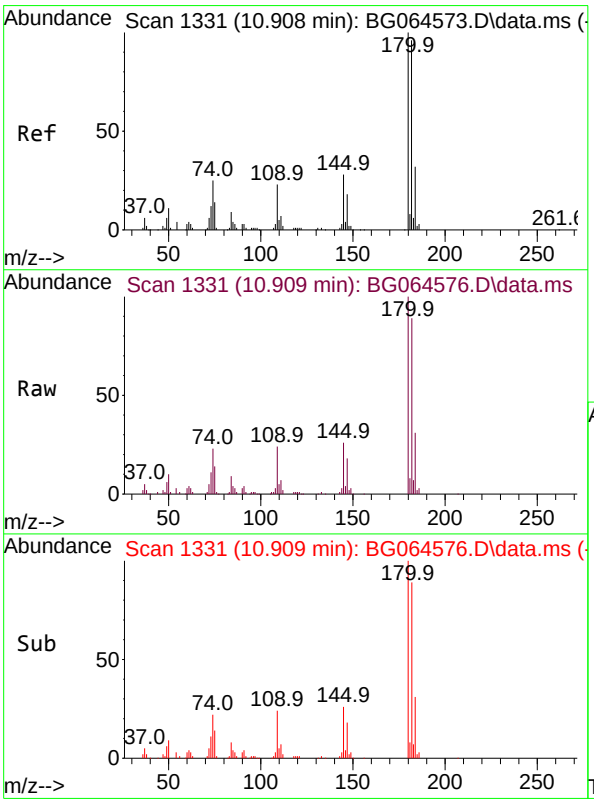
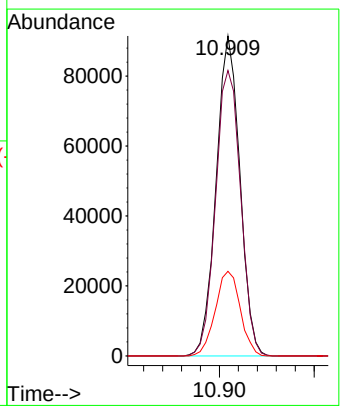
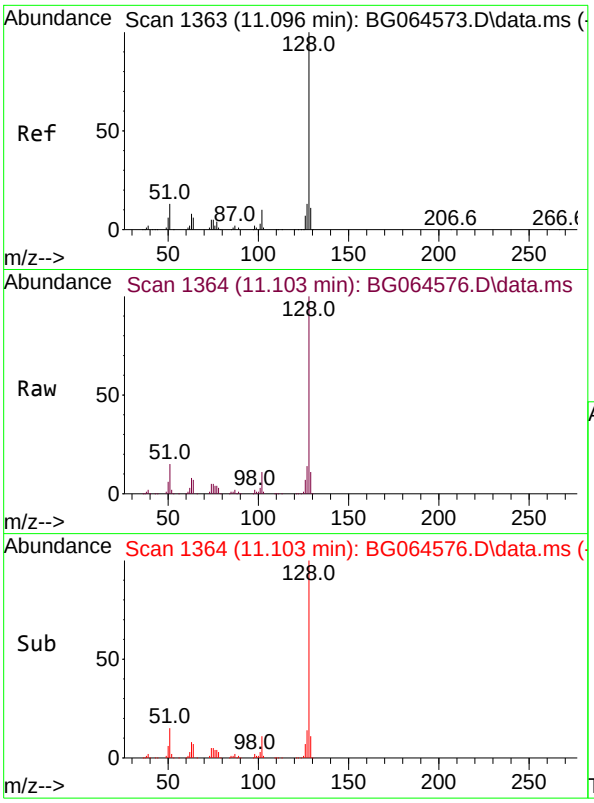


#30
1,2,4-Trichlorobenzene
Concen: 48.068 ng
RT: 10.909 min Scan# 1331
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:180 Resp: 159207

Ion	Ratio	Lower	Upper
180	100		
182	89.2	76.9	115.3
145	26.4	22.1	33.1

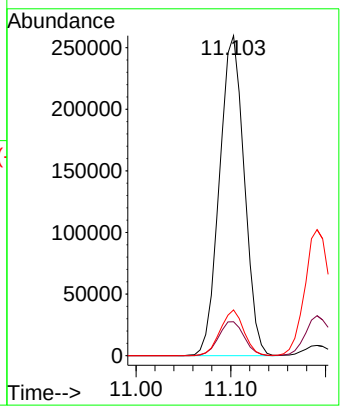




#31
Naphthalene
Concen: 46.695 ng
RT: 11.103 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:128 Resp: 471891

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	14.3	10.6	15.8



Instrument :
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ClientSampleId :
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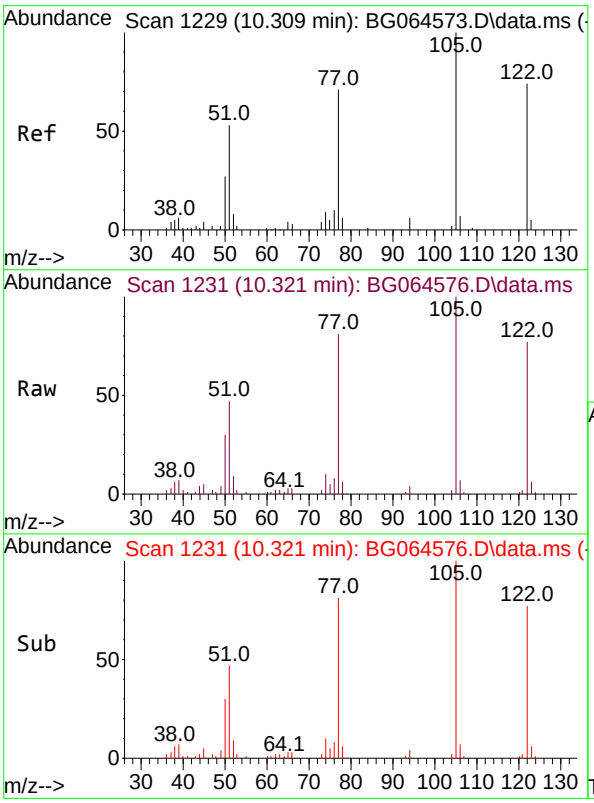
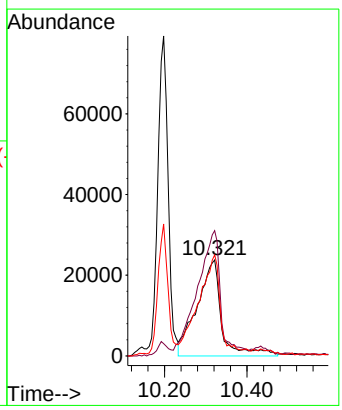
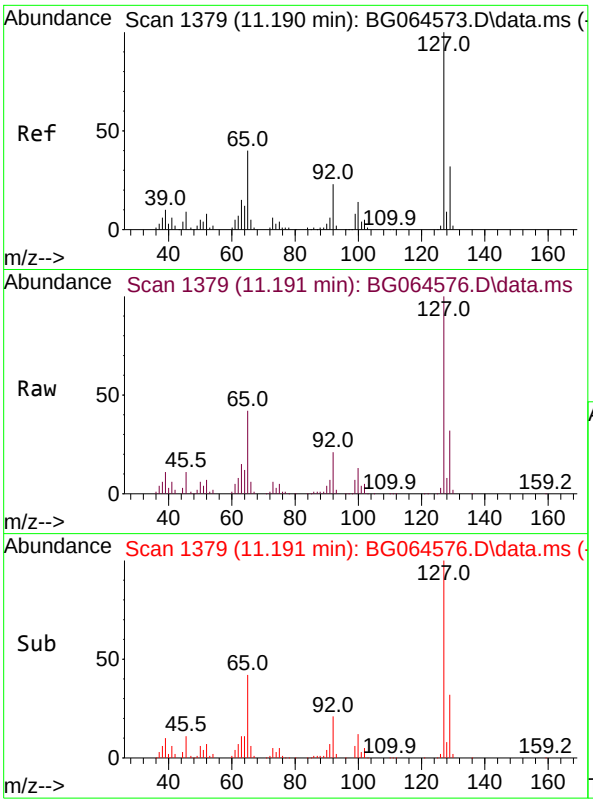


#32
Benzoic acid
Concen: 48.883 ng m
RT: 10.321 min Scan# 1231
Delta R.T. -0.021 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:122 Resp: 97652

Ion	Ratio	Lower	Upper
122	100		
105	130.6	104.2	144.2
77	105.4	70.2	110.2

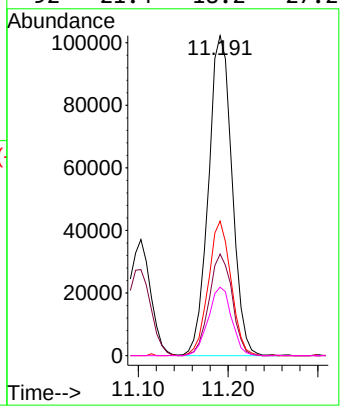




#33
4-Chloroaniline
Concen: 47.560 ng
RT: 11.191 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:127 Resp: 18681

Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.5	38.3
65	42.0	32.2	48.4
92	21.4	18.2	27.2



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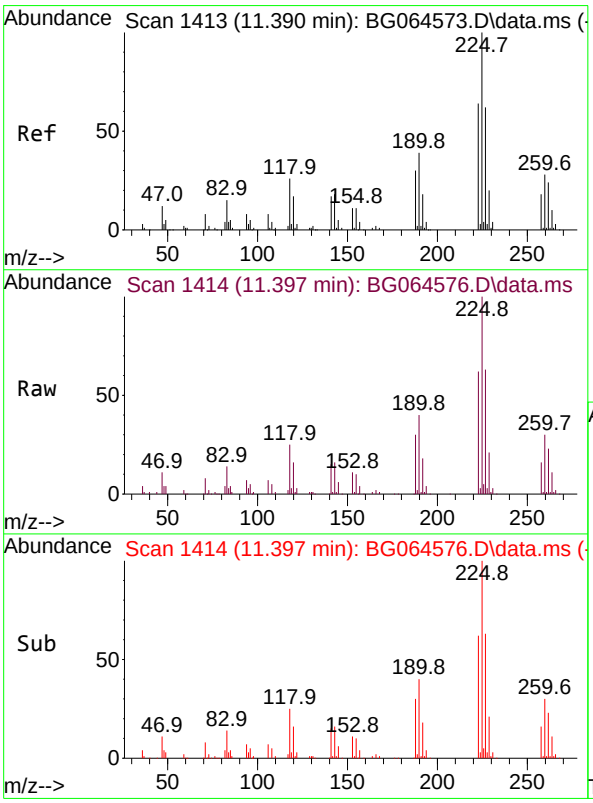
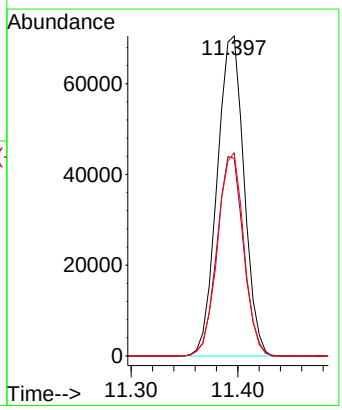
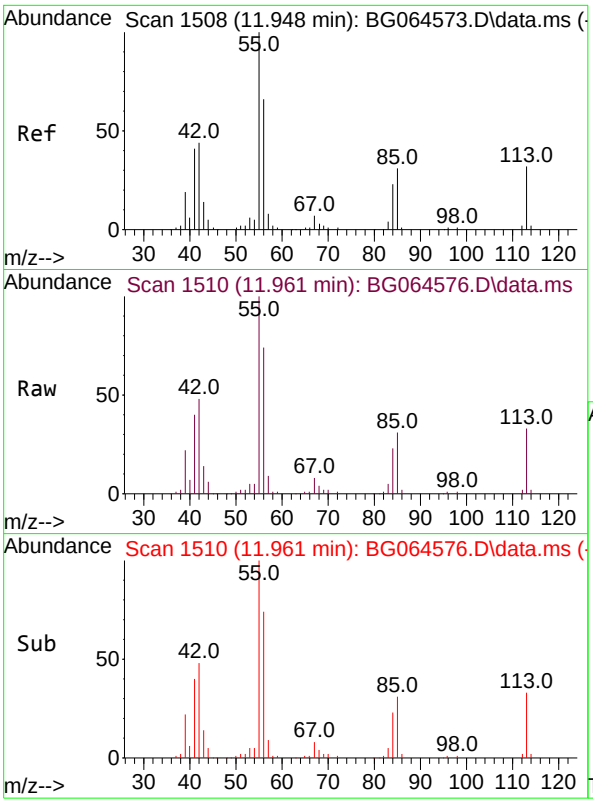


#34
Hexachlorobutadiene
Concen: 47.716 ng
RT: 11.397 min Scan# 1414
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:225 Resp: 123596

Ion	Ratio	Lower	Upper
225	100		
223	59.0	48.8	73.2
227	63.1	49.5	74.3

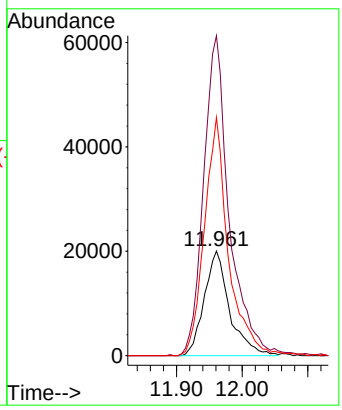




#35
Caprolactam
Concen: 48.020 ng
RT: 11.961 min Scan# 1
Delta R.T. -0.014 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:113 Resp: 5368

Ion	Ratio	Lower	Upper
113	100		
55	305.8	290.1	330.1
56	227.6	183.8	223.8#



Instrument :
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SSTDICC050

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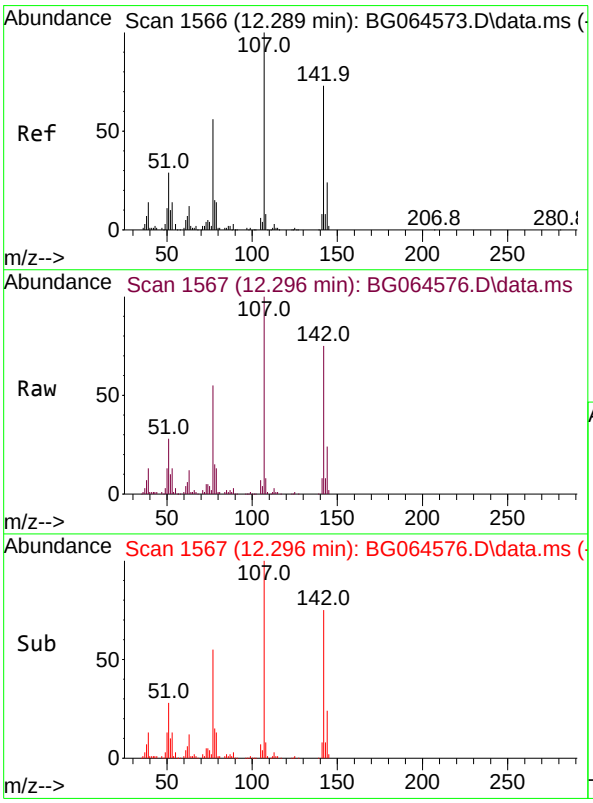
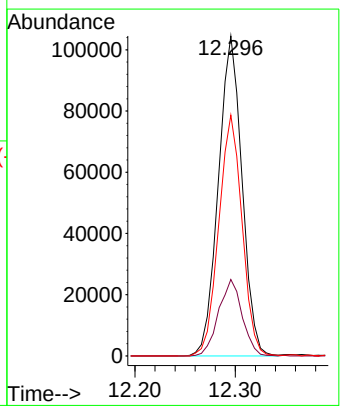
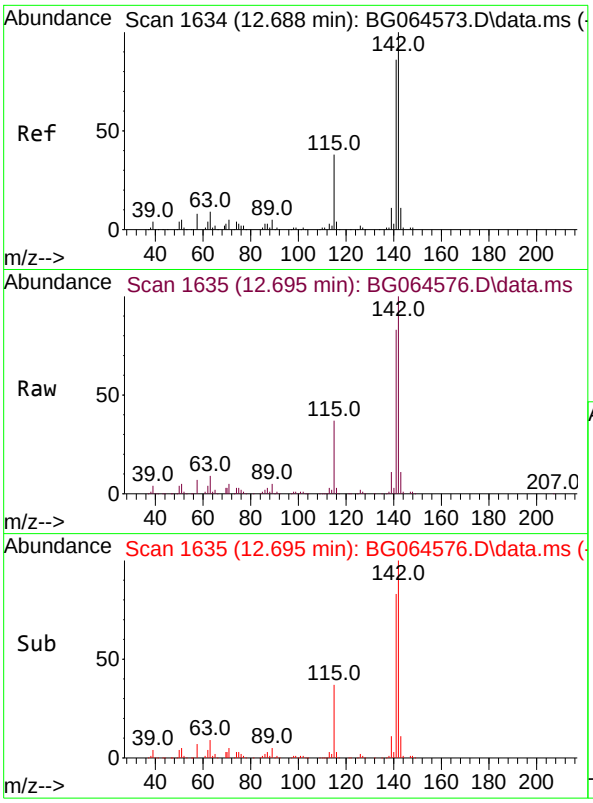


#36
4-Chloro-3-methylphenol
Concen: 48.836 ng
RT: 12.296 min Scan# 1567
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:107 Resp: 171120

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.1	28.7
142	75.2	58.6	87.8

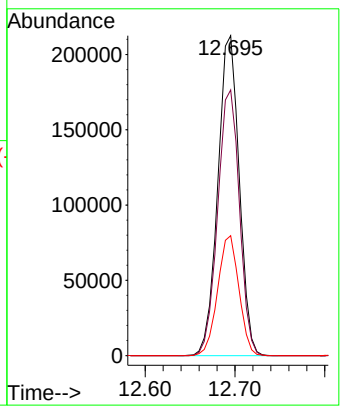




#37
2-Methylnaphthalene
Concen: 47.435 ng
RT: 12.695 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:142 Resp: 35194

Ion	Ratio	Lower	Upper
142	100		
141	83.0	68.9	103.3
115	37.5	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
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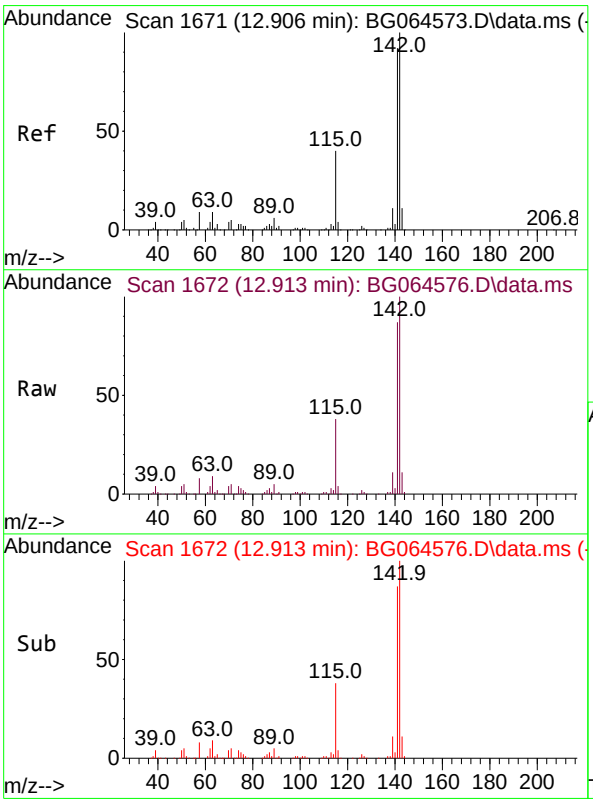
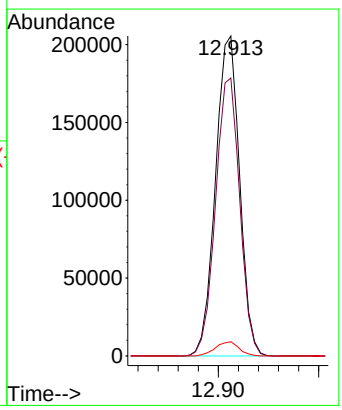
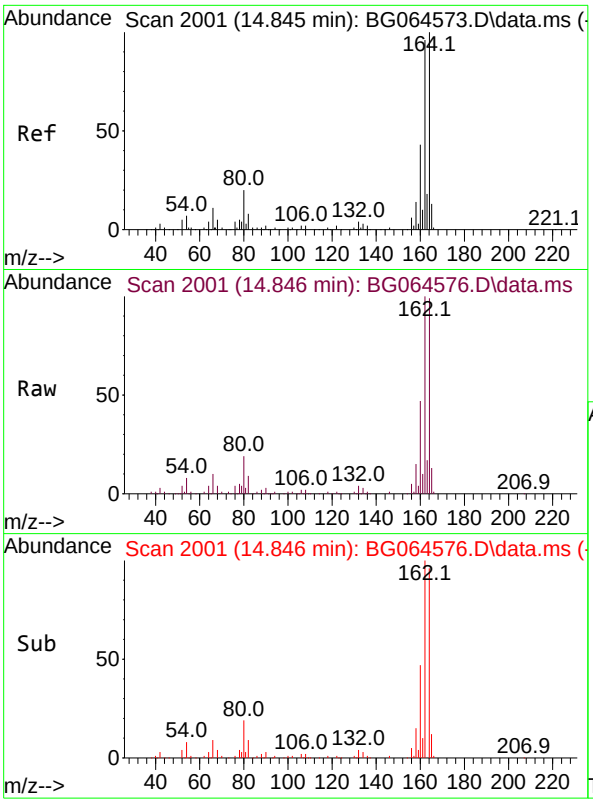


#38
1-Methylnaphthalene
Concen: 46.939 ng
RT: 12.913 min Scan# 1672
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:142 Resp: 342687

Ion	Ratio	Lower	Upper
142	100		
141	86.8	73.3	109.9
116	4.4	3.1	4.7

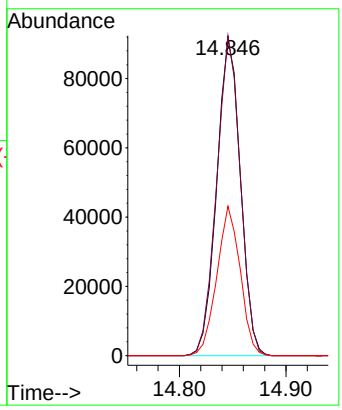




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.846 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:164 Resp: 14203

Ion	Ratio	Lower	Upper
164	100		
162	101.1	77.0	115.6
160	47.2	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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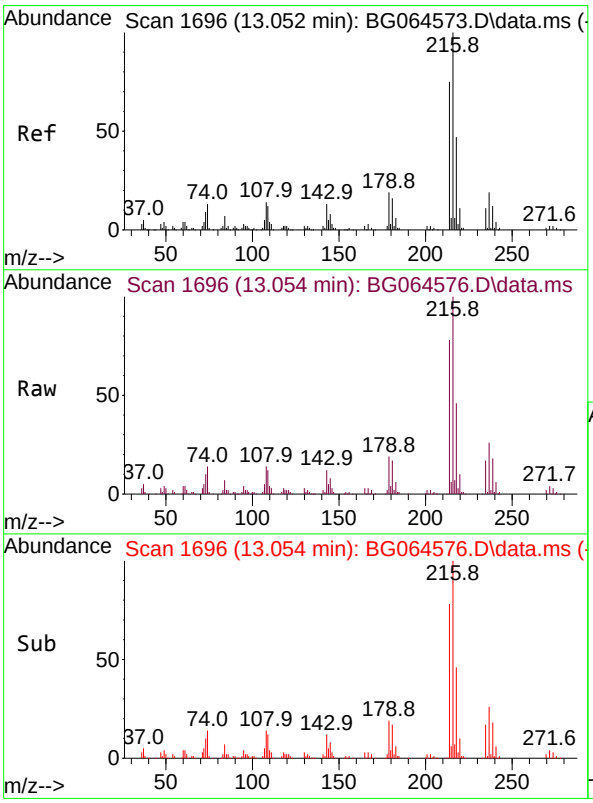
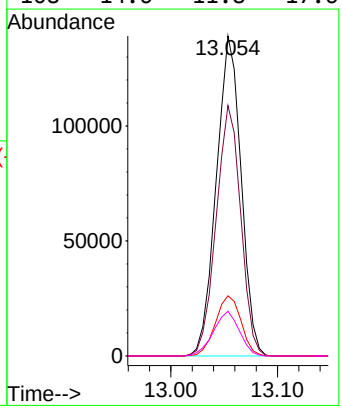
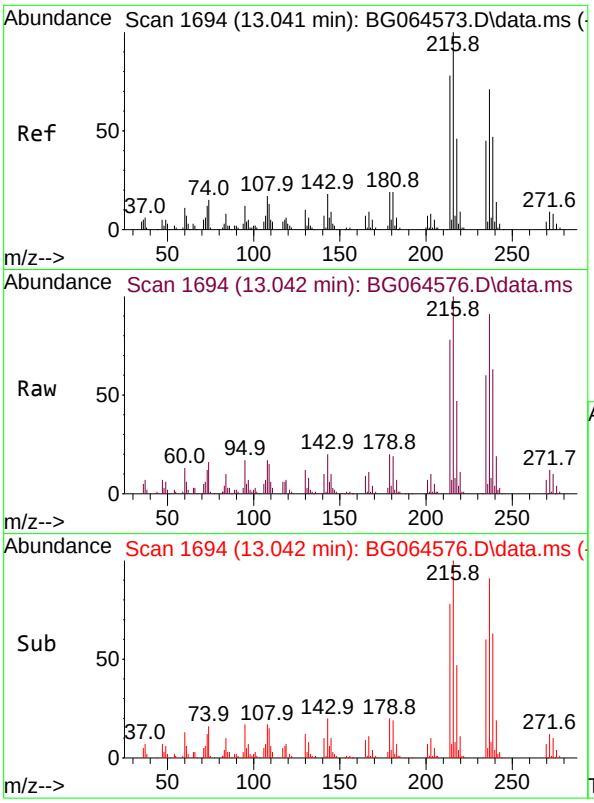


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.131 ng
RT: 13.054 min Scan# 1696
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:216 Resp: 224658

Ion	Ratio	Lower	Upper
216	100		
214	77.5	61.4	92.2
179	19.4	15.4	23.0
108	14.6	11.8	17.6

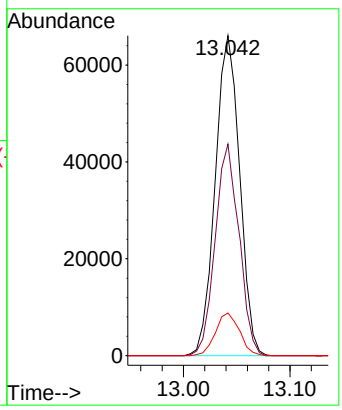




#41
Hexachlorocyclopentadiene
Concen: 49.131 ng
RT: 13.042 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:237 Resp: 10541

Ion	Ratio	Lower	Upper
237	100		
235	66.1	44.1	84.1
272	13.3	0.0	32.4



Instrument :
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ClientSampleId :
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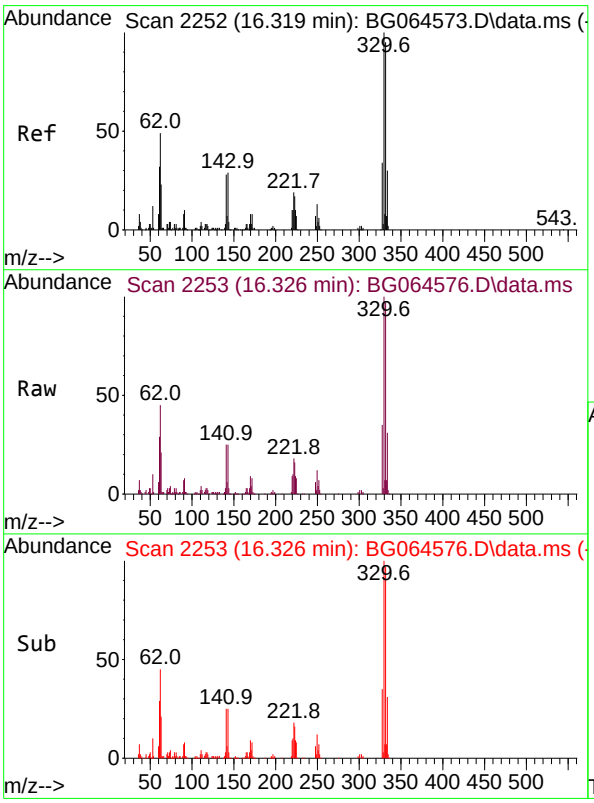
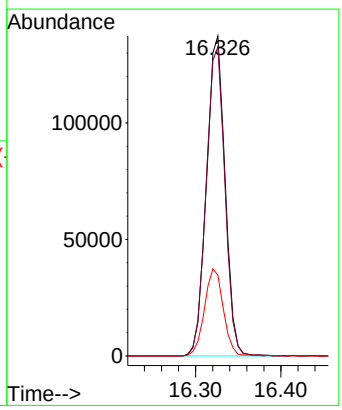
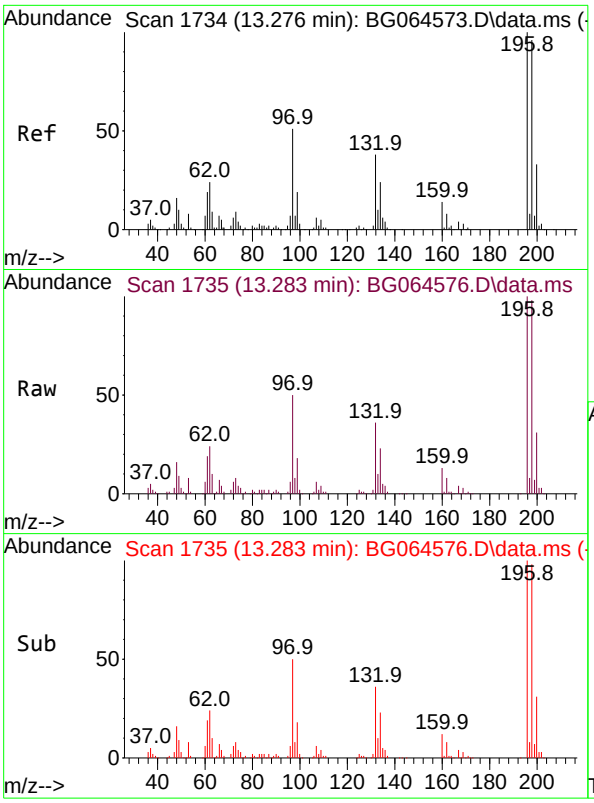


#42
2,4,6-Tribromophenol
Concen: 101.122 ng
RT: 16.326 min Scan# 2253
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:330 Resp: 207294

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	27.6	21.8	32.6





#43
2,4,6-Trichlorophenol
Concen: 51.898 ng
RT: 13.283 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:196 Resp: 14150

Ion	Ratio	Lower	Upper
196	100		
198	98.3	76.6	115.0
200	31.4	26.0	39.0

Instrument :
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ClientSampleId :
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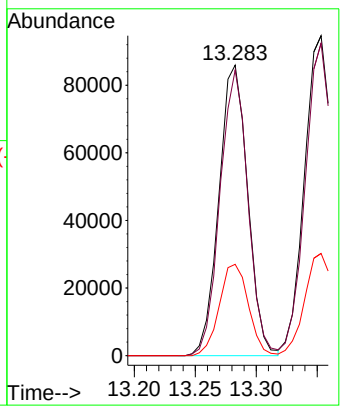
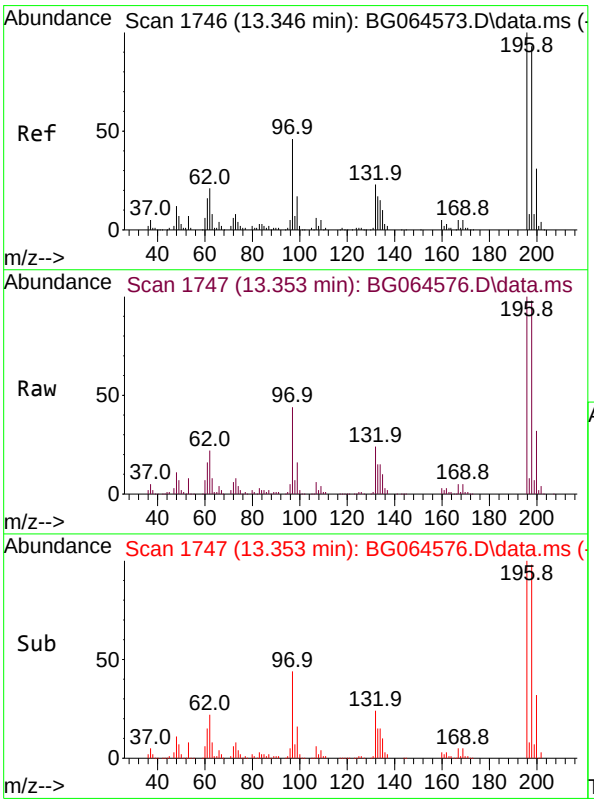
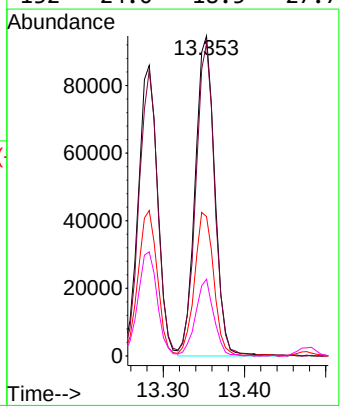


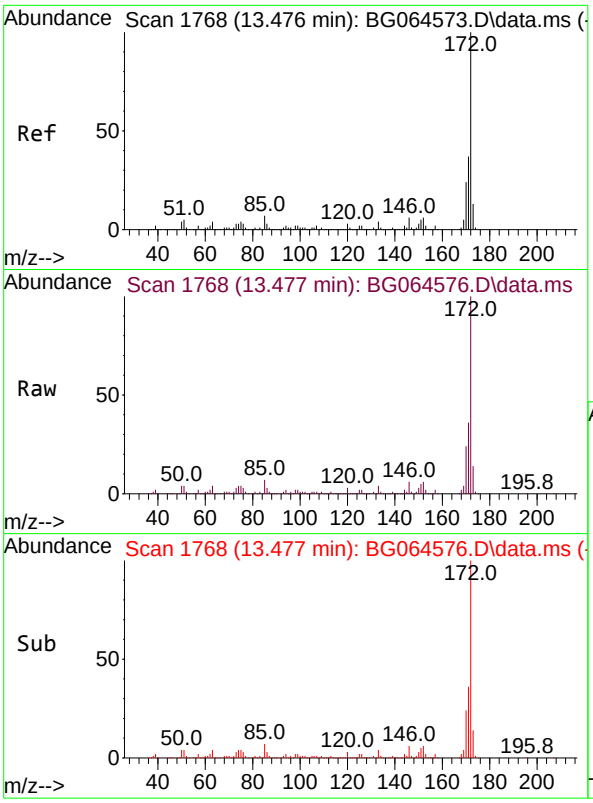


#44
2,4,5-Trichlorophenol
Concen: 49.997 ng
RT: 13.353 min Scan# 1747
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:196 Resp: 157315

Ion	Ratio	Lower	Upper
196	100		
198	97.6	74.2	111.4
97	43.5	37.0	55.6
132	24.0	18.5	27.7

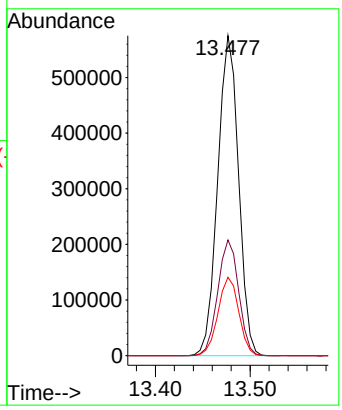




#45
2-Fluorobiphenyl
Concen: 93.626 ng
RT: 13.477 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:172 Resp: 87731

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.5	19.1	28.7



Instrument :
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ClientSampleId :
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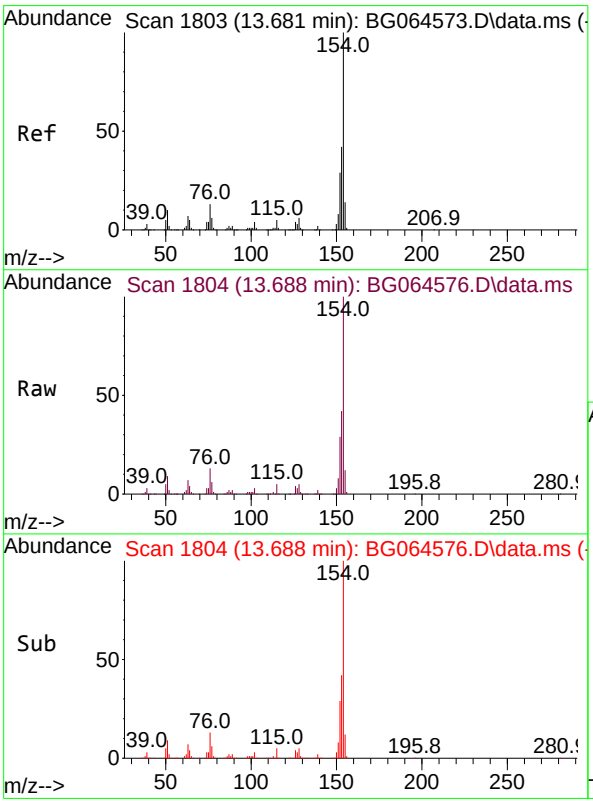
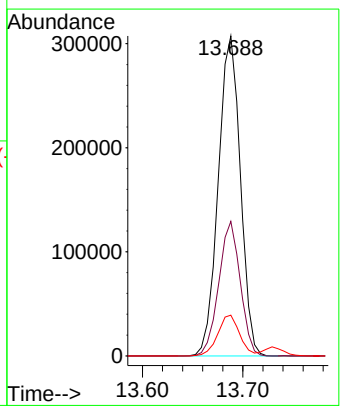
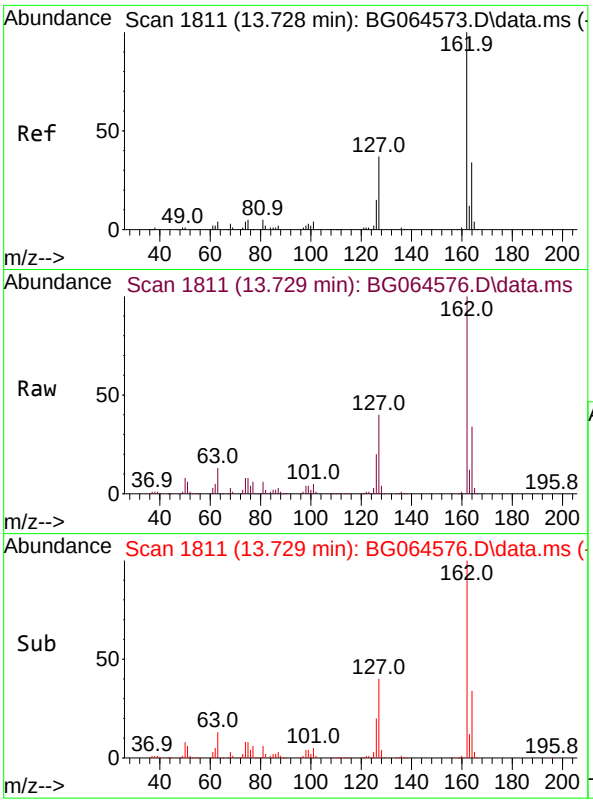


#46
1,1'-Biphenyl
Concen: 46.613 ng
RT: 13.688 min Scan# 1804
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:154 Resp: 470676

Ion	Ratio	Lower	Upper
154	100		
153	42.0	22.4	62.4
76	12.8	0.0	33.5

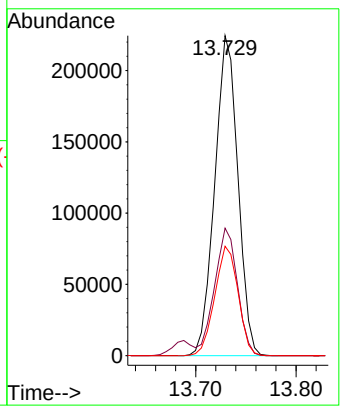




#47
2-Chloronaphthalene
Concen: 47.208 ng
RT: 13.729 min Scan# 18
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:162 Resp: 359811

Ion	Ratio	Lower	Upper
162	100		
127	39.8	32.2	48.2
164	34.2	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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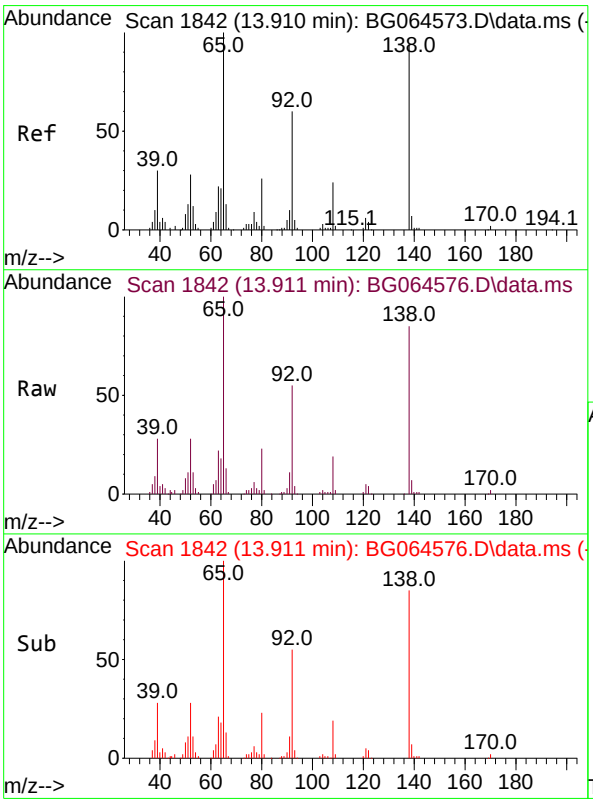
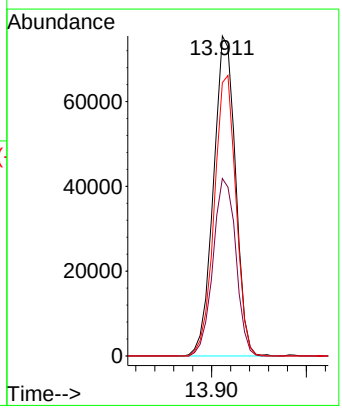
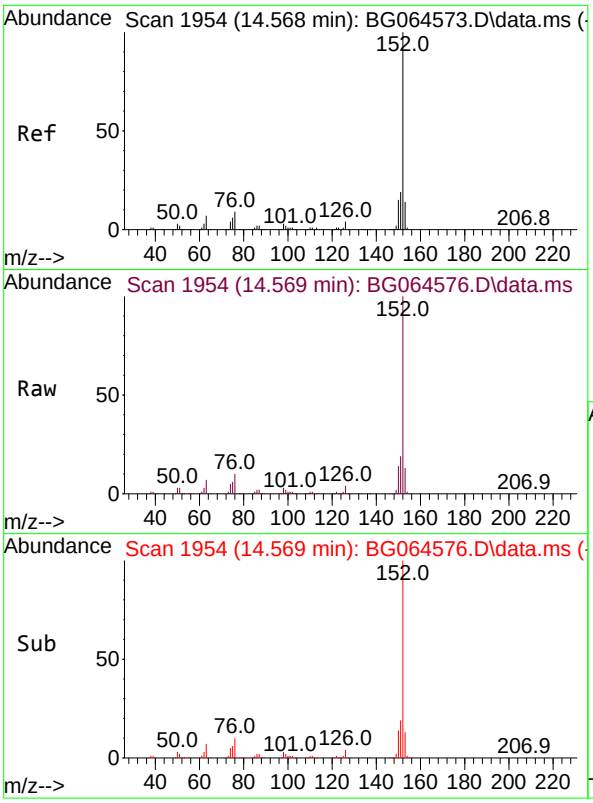


#48
2-Nitroaniline
Concen: 47.668 ng
RT: 13.911 min Scan# 1842
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 65 Resp: 121908

Ion	Ratio	Lower	Upper
65	100		
92	55.4	48.3	72.5
138	85.4	74.9	112.3

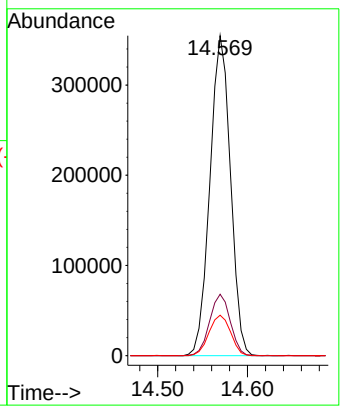




#49
Acenaphthylene
Concen: 47.060 ng
RT: 14.569 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:152 Resp: 56577

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	12.6	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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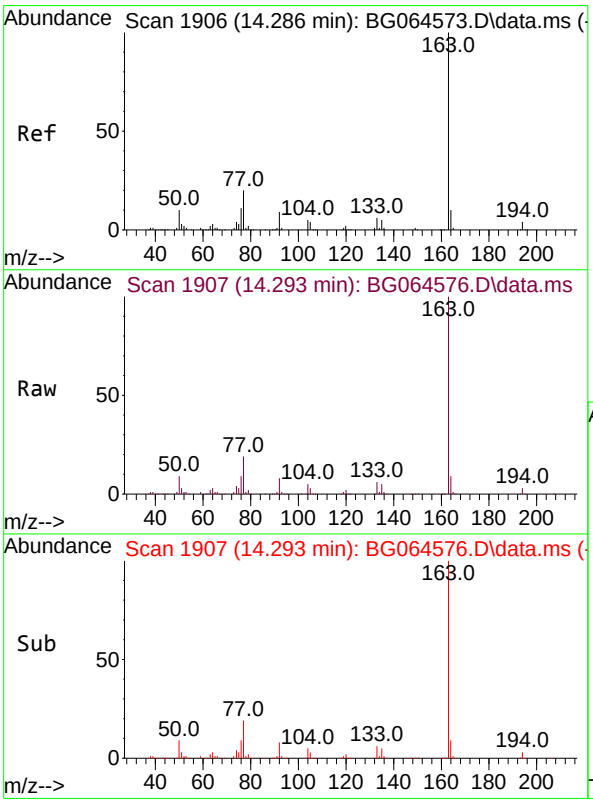
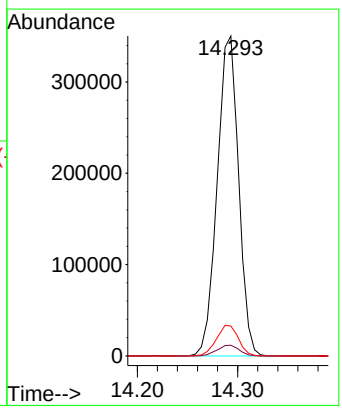
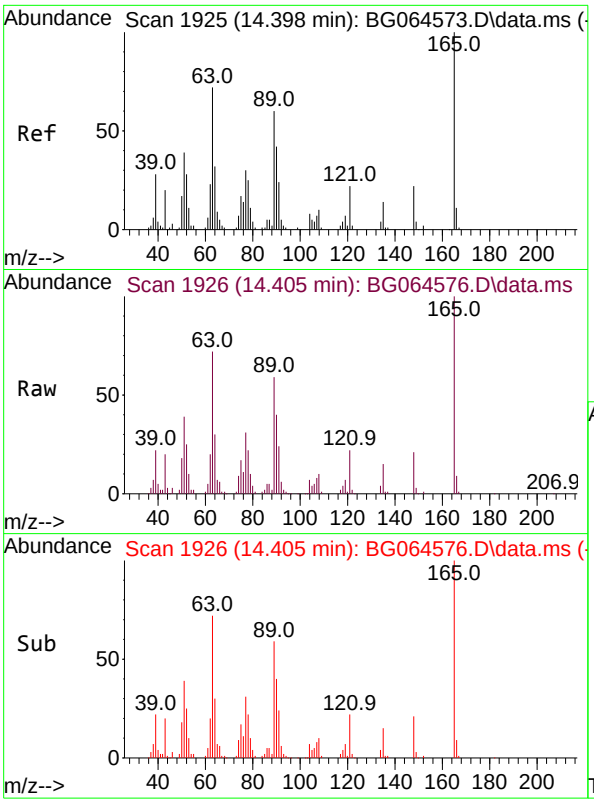


#50
Dimethylphthalate
Concen: 47.781 ng
RT: 14.293 min Scan# 1907
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:163 Resp: 519303

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	9.3	7.7	11.5

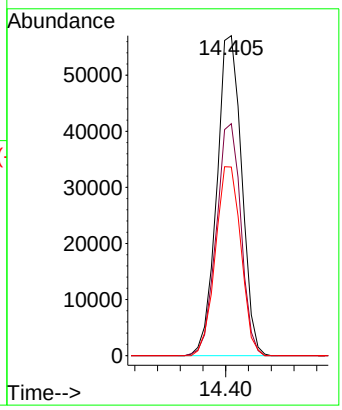




#51
2,6-Dinitrotoluene
Concen: 48.306 ng
RT: 14.405 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:165 Resp: 8666

Ion	Ratio	Lower	Upper
165	100		
63	72.5	57.4	86.0
89	58.9	47.8	71.8



Instrument :
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ClientSampleId :
SSTDICC050

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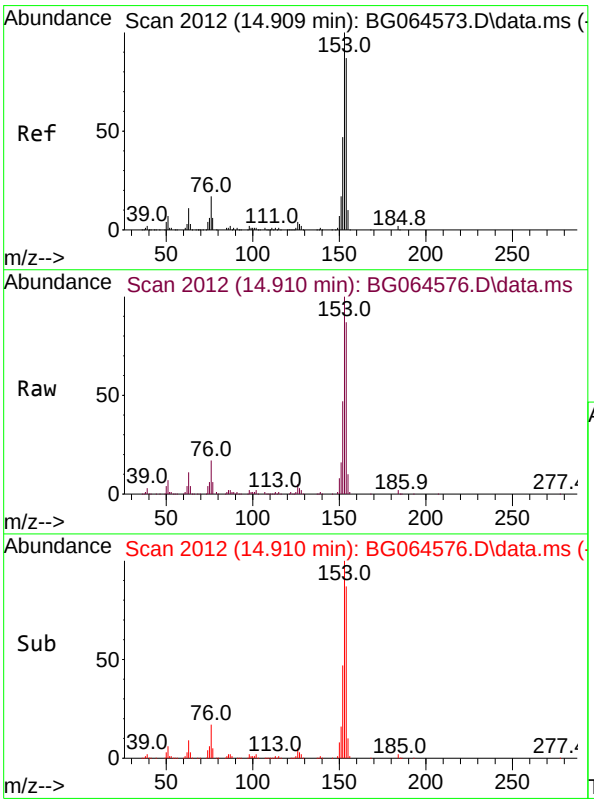
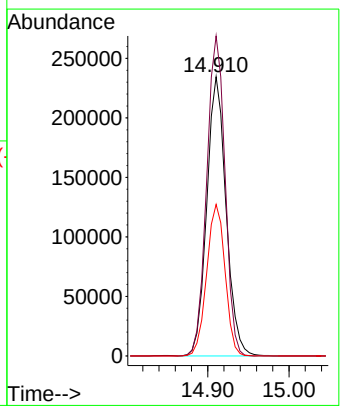
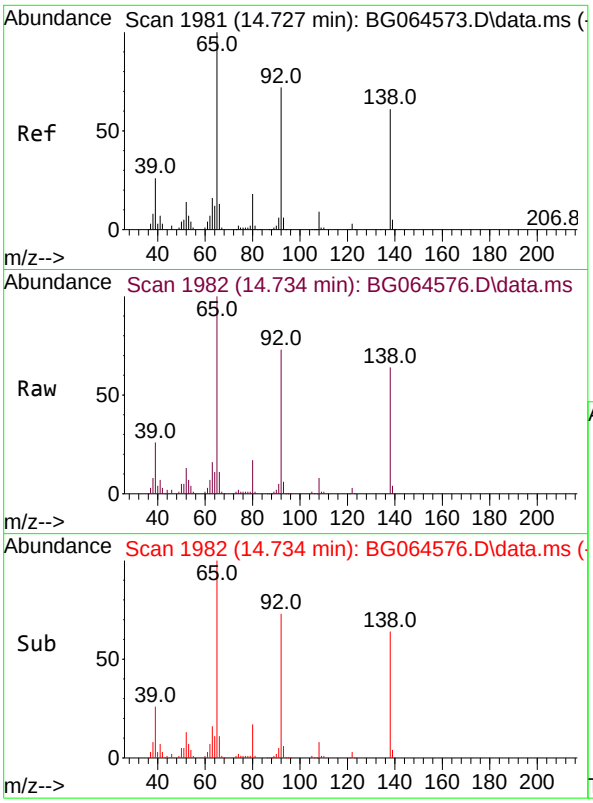


#52
Acenaphthene
Concen: 47.239 ng
RT: 14.910 min Scan# 2012
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:154 Resp: 388012

Ion	Ratio	Lower	Upper
154	100		
153	114.6	92.2	138.4
152	54.3	43.2	64.8

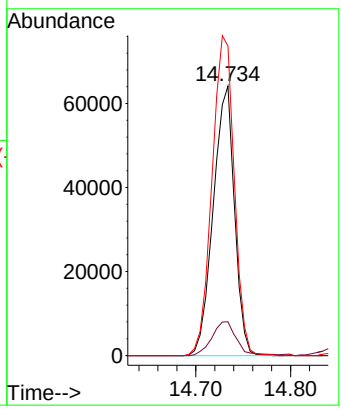




#53
3-Nitroaniline
Concen: 53.405 ng
RT: 14.734 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:138 Resp: 9974

Ion	Ratio	Lower	Upper
138	100		
108	12.6	11.4	17.0
92	114.8	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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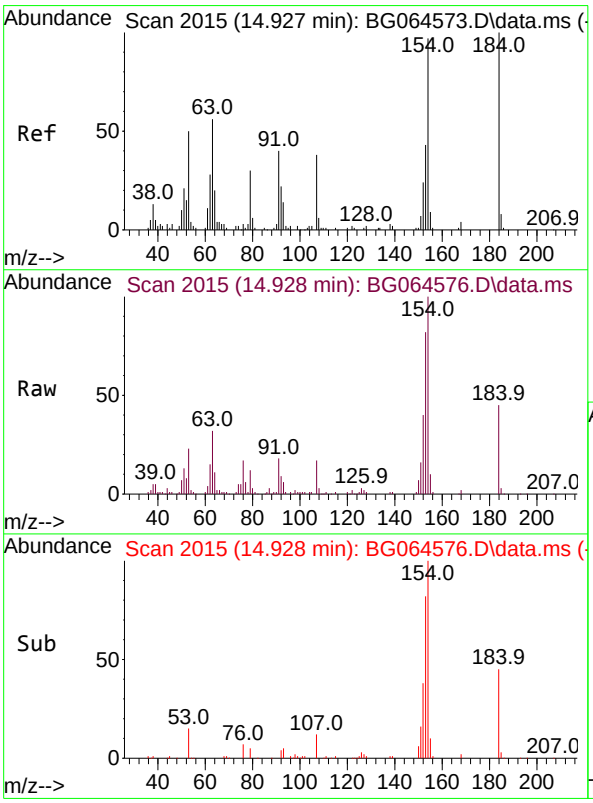
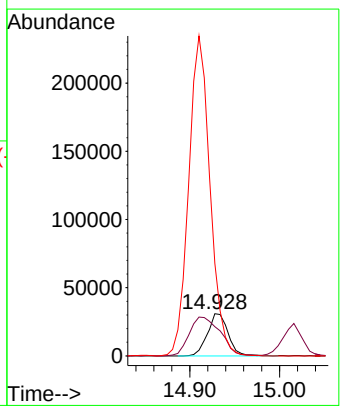
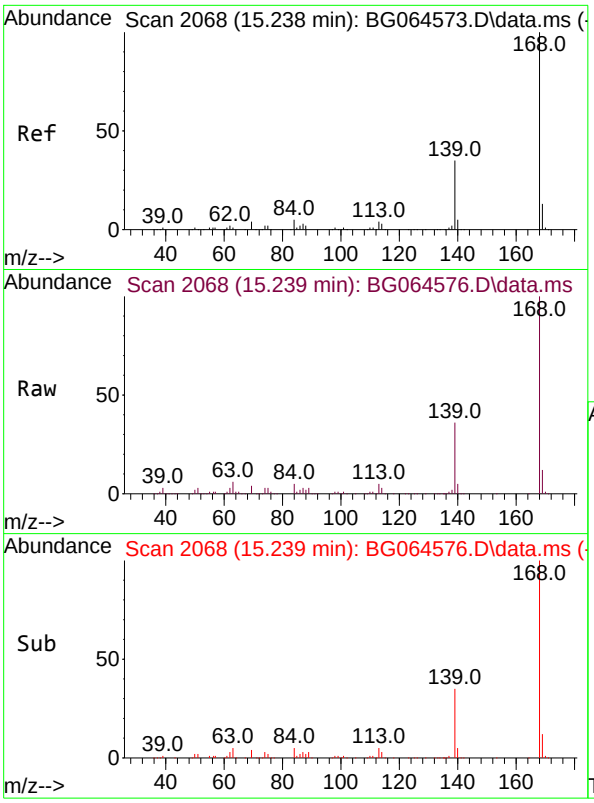


#54
2,4-Dinitrophenol
Concen: 47.268 ng
RT: 14.928 min Scan# 2015
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:184 Resp: 49318

Ion	Ratio	Lower	Upper
184	100		
63	69.5	56.6	85.0
154	219.8	158.6	238.0

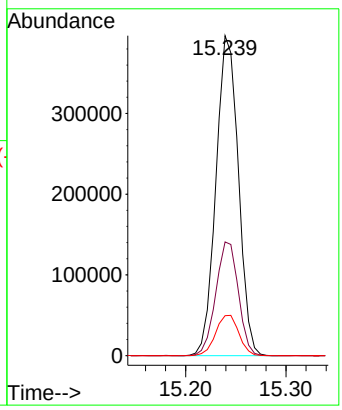




#55
Dibenzofuran
Concen: 46.355 ng
RT: 15.239 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:168 Resp: 61555

Ion	Ratio	Lower	Upper
168	100		
139	35.5	27.8	41.8
169	12.5	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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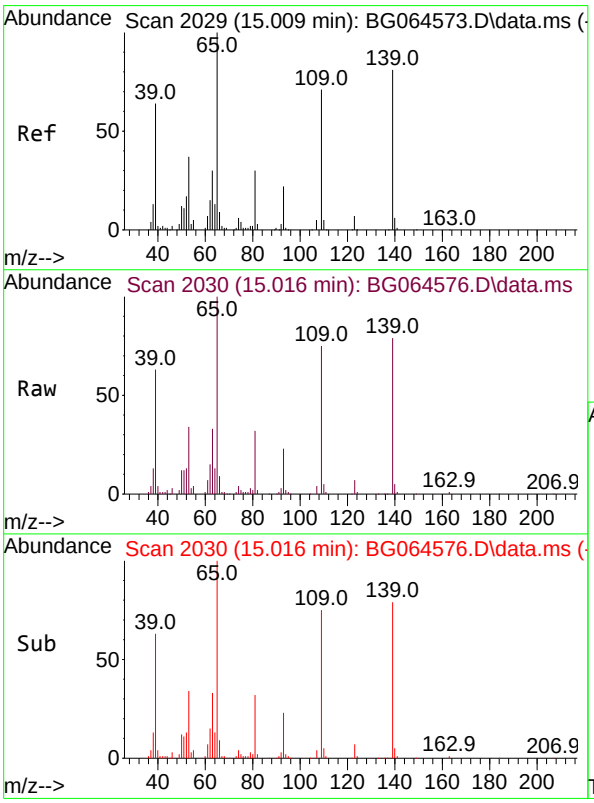
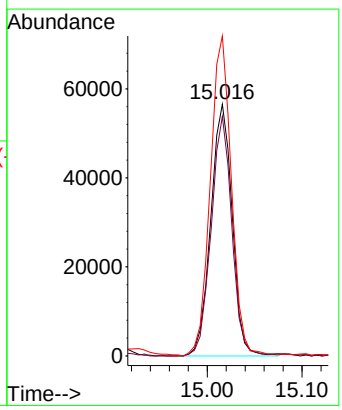
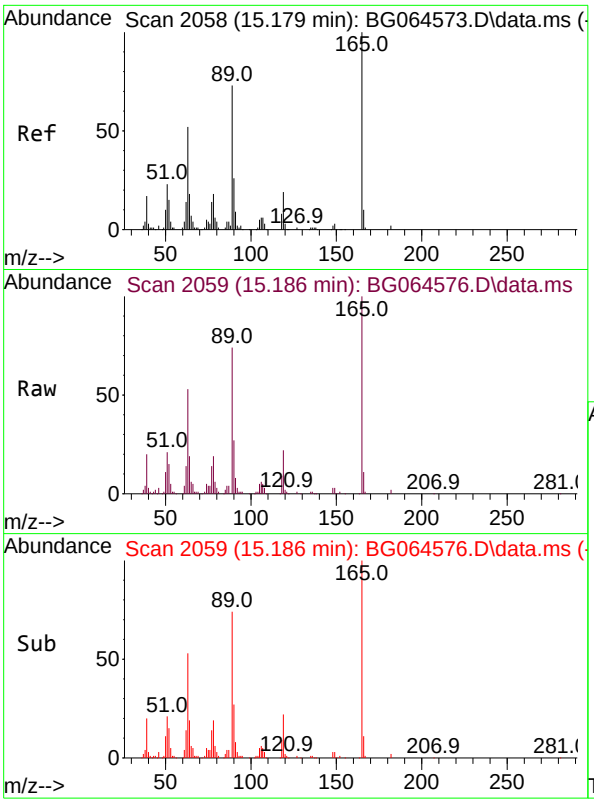


#56
4-Nitrophenol
Concen: 51.169 ng
RT: 15.016 min Scan# 2030
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:139 Resp: 88609

Ion	Ratio	Lower	Upper
139	100		
109	95.2	67.8	107.8
65	127.2	103.7	143.7





#57
2,4-Dinitrotoluene
Concen: 47.759 ng
RT: 15.186 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:165 Resp: 13237

Ion	Ratio	Lower	Upper
165	100		
63	52.8	41.8	62.8
89	73.6	58.1	87.1
182	2.2	1.4	2.0#

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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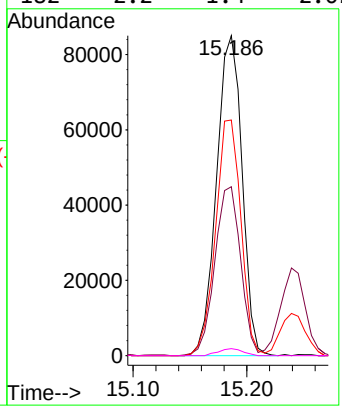
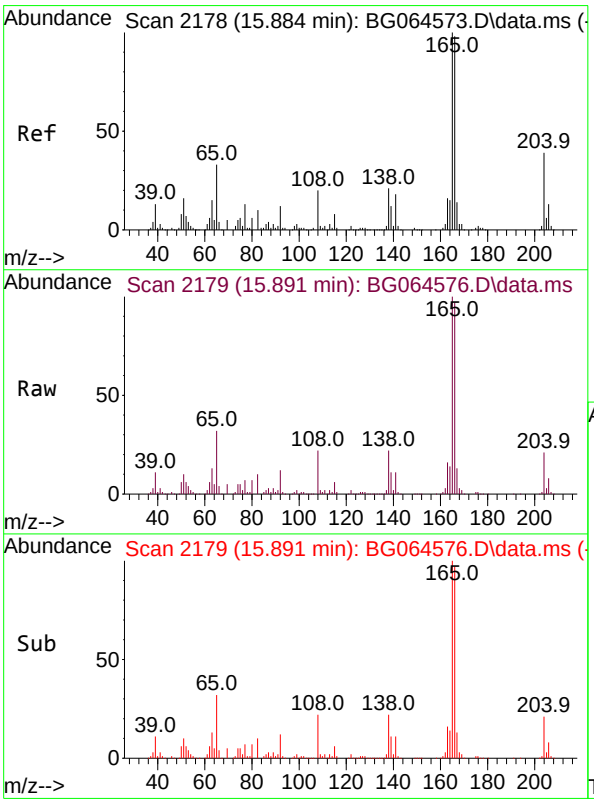
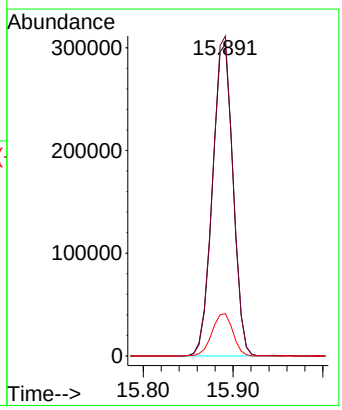


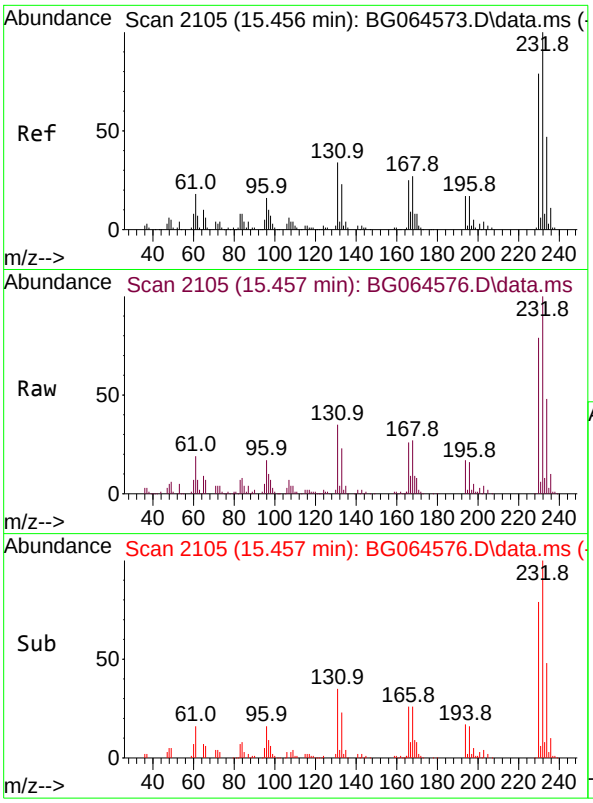


#58
Fluorene
Concen: 46.441 ng
RT: 15.891 min Scan# 2179
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:166 Resp: 481625

Ion	Ratio	Lower	Upper
166	100		
165	102.6	81.5	122.3
167	13.5	11.4	17.0

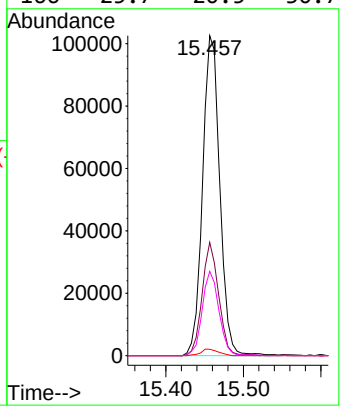




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.440 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:232 Resp: 15778

Ion	Ratio	Lower	Upper
232	100		
131	33.9	26.7	40.1
130	2.1	1.6	2.4
166	25.7	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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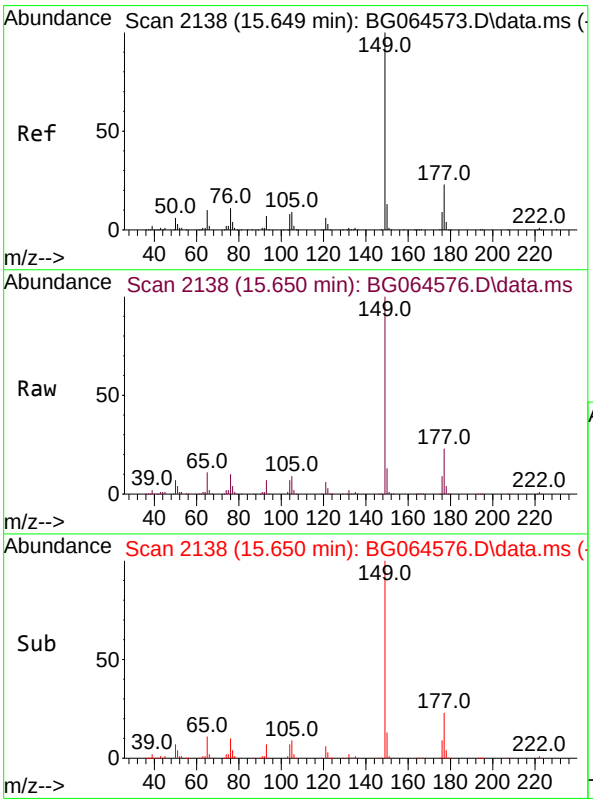
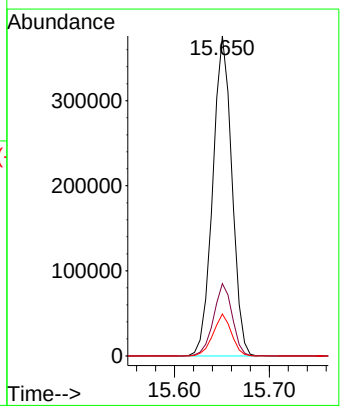
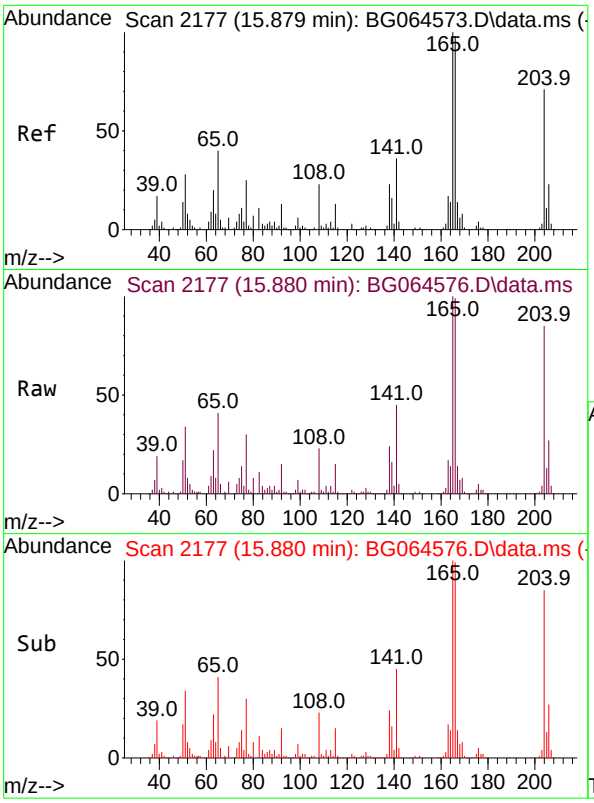


#60
Diethylphthalate
Concen: 47.543 ng
RT: 15.650 min Scan# 2138
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 527594

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.0	27.0
150	13.1	10.2	15.4

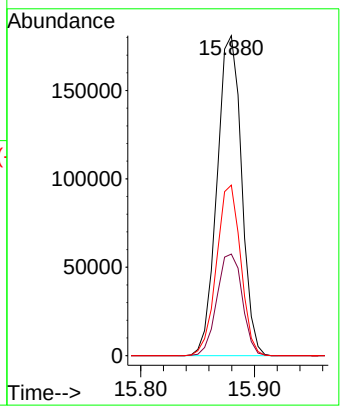




#61
4-Chlorophenyl-phenylether
Concen: 46.576 ng
RT: 15.880 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:204 Resp: 271068

Ion	Ratio	Lower	Upper
204	100		
206	31.7	25.6	38.4
141	53.3	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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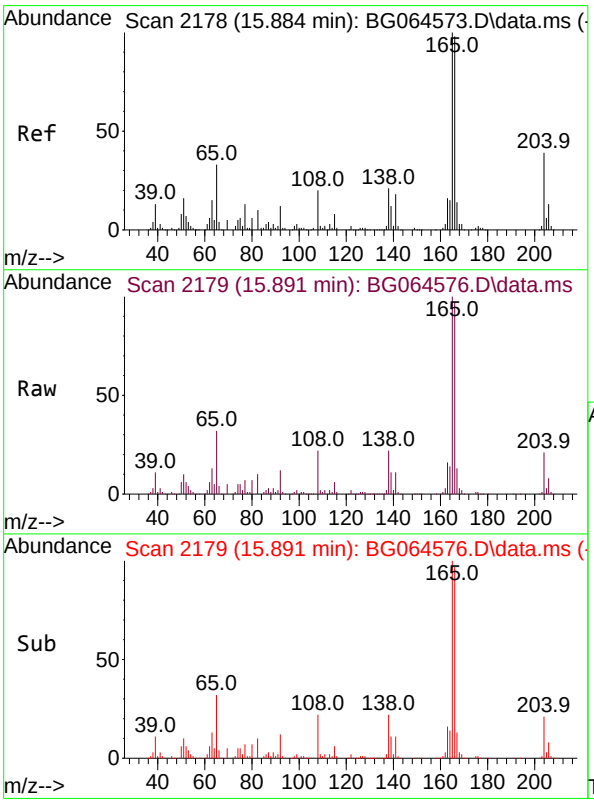
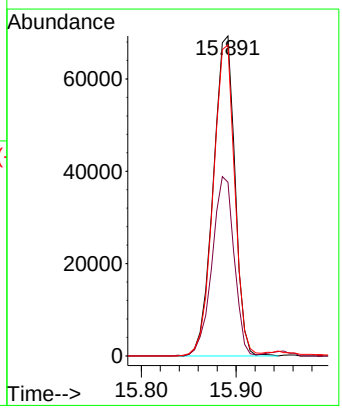
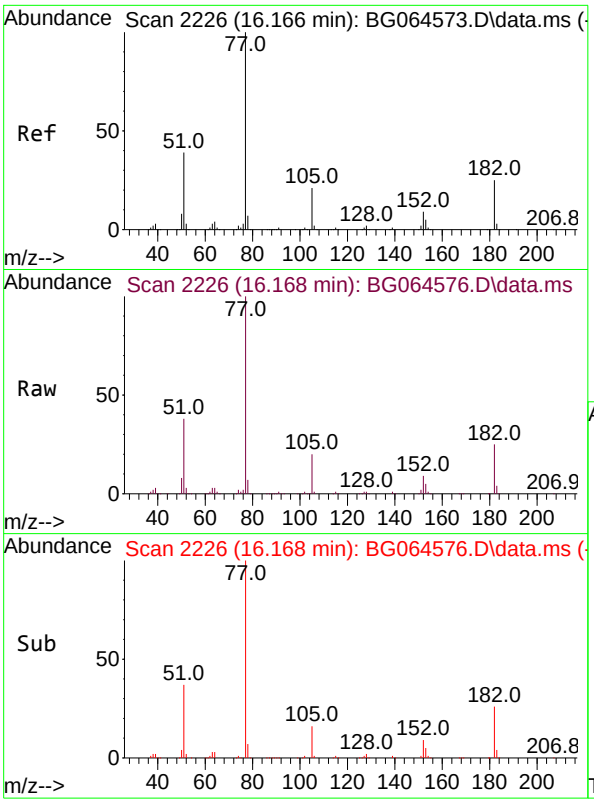


#62
4-Nitroaniline
Concen: 52.970 ng
RT: 15.891 min Scan# 2179
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:138 Resp: 110067

Ion	Ratio	Lower	Upper
138	100		
92	54.3	36.1	76.1
108	97.2	75.6	115.6

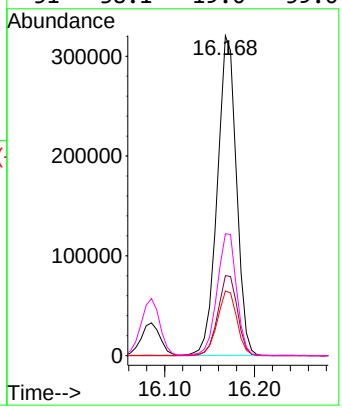




#63
Azobenzene
Concen: 46.671 ng
RT: 16.168 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 77 Resp: 47520

Ion	Ratio	Lower	Upper
77	100		
182	25.0	4.9	44.9
105	20.2	1.3	41.3
51	38.1	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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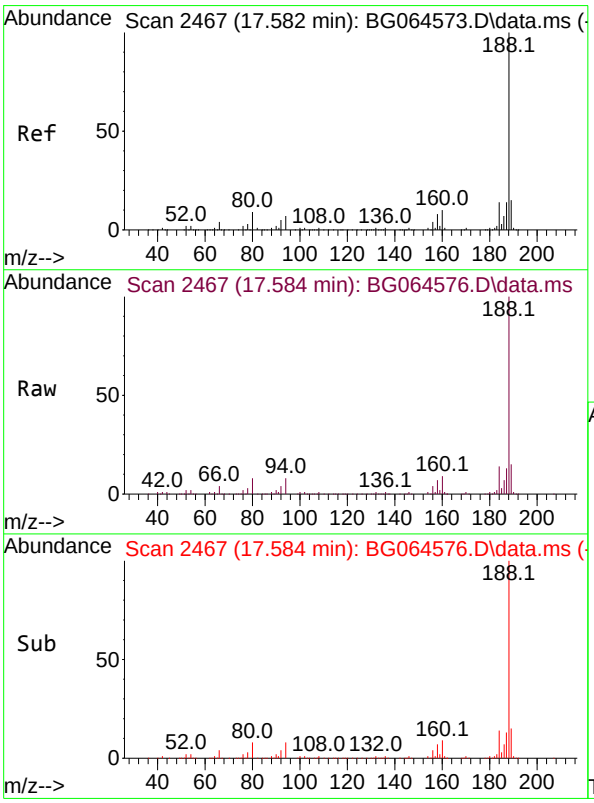
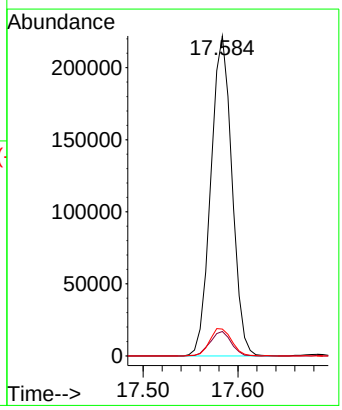
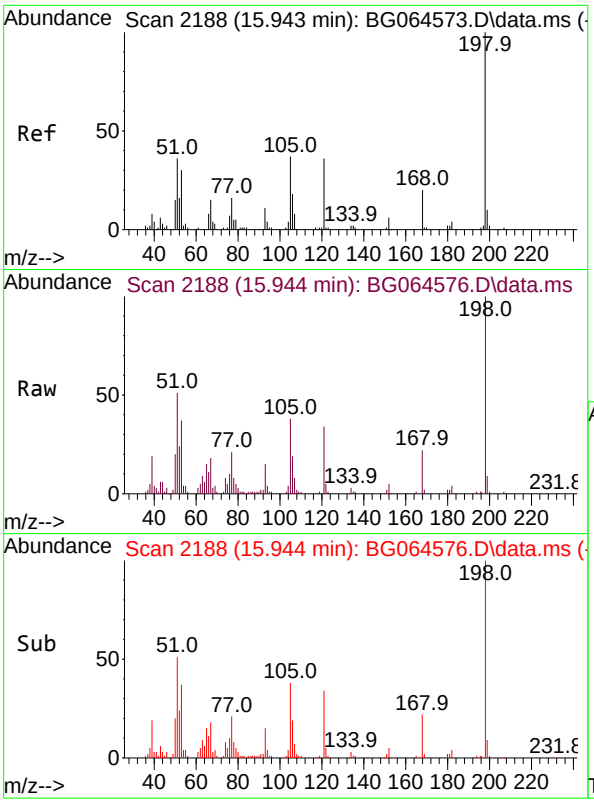


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.584 min Scan# 2467
Delta R.T. 0.004 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:188 Resp: 343365

Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.7	8.5
80	8.4	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 47.500 ng
RT: 15.944 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:198 Resp: 7167

Ion	Ratio	Lower	Upper
198	100		
51	50.7	24.7	64.7
105	38.3	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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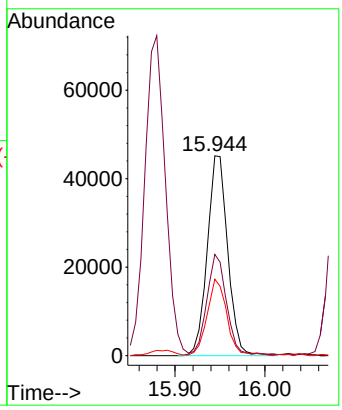
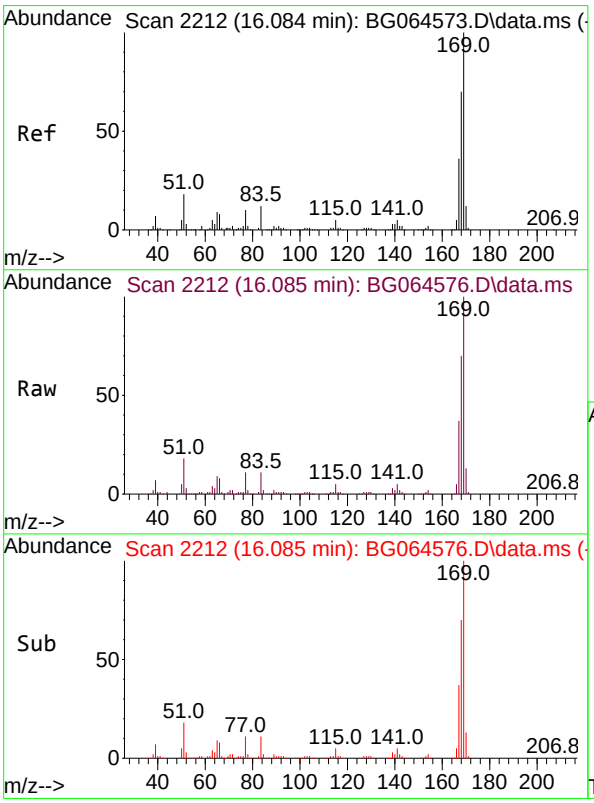
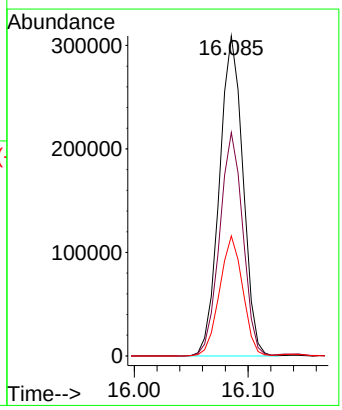


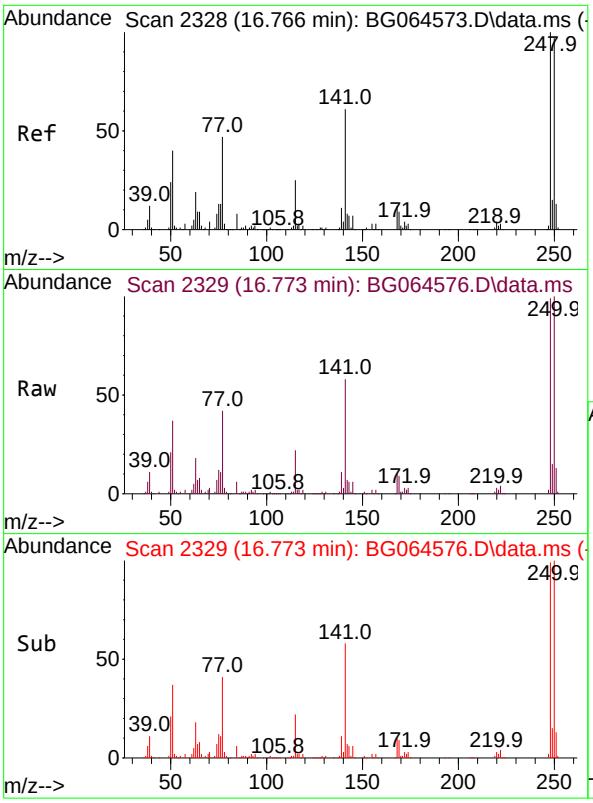


#66
n-Nitrosodiphenylamine
Concen: 47.959 ng
RT: 16.085 min Scan# 2212
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:169 Resp: 444824

Ion	Ratio	Lower	Upper
169	100		
168	69.8	56.3	84.5
167	37.5	29.0	43.6

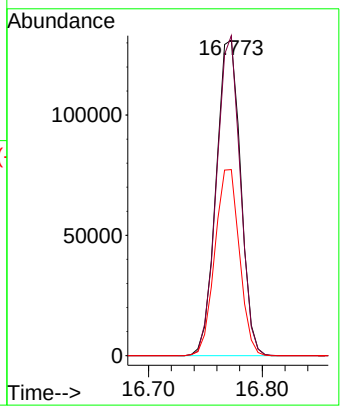




#67
4-Bromophenyl-phenylether
Concen: 48.225 ng
RT: 16.773 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:248 Resp: 19622

Ion	Ratio	Lower	Upper
248	100		
250	101.5	77.7	116.5
141	59.0	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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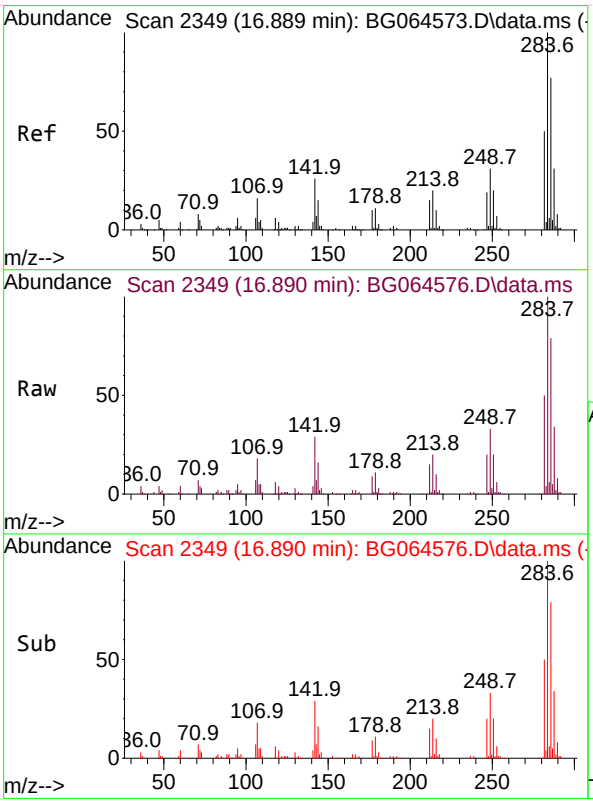
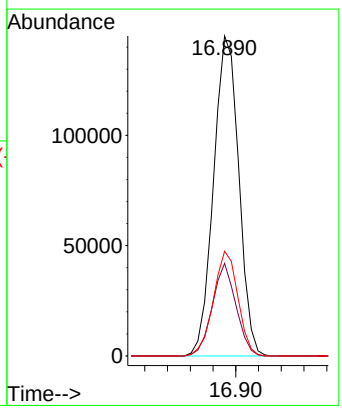
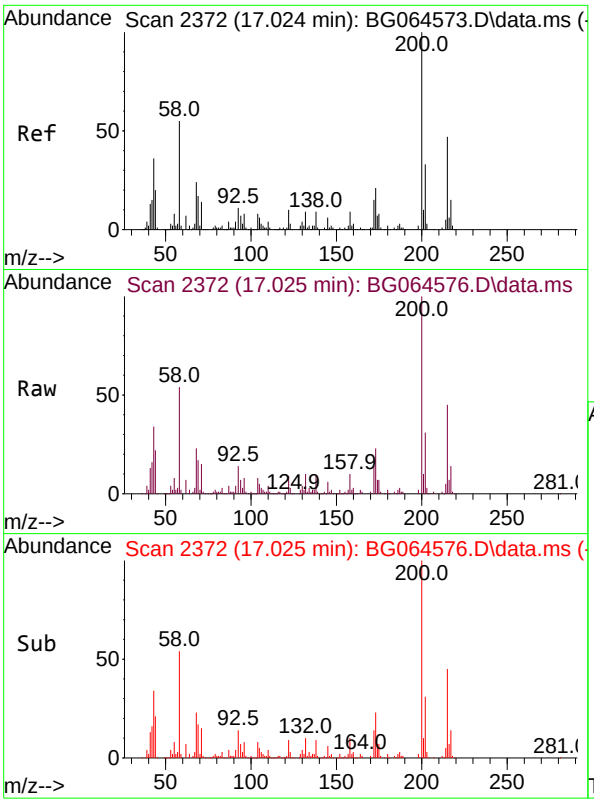


#68
Hexachlorobenzene
Concen: 48.043 ng
RT: 16.890 min Scan# 2349
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:284 Resp: 223018

Ion	Ratio	Lower	Upper
284	100		
142	28.9	21.0	31.6
249	35.3	24.9	37.3

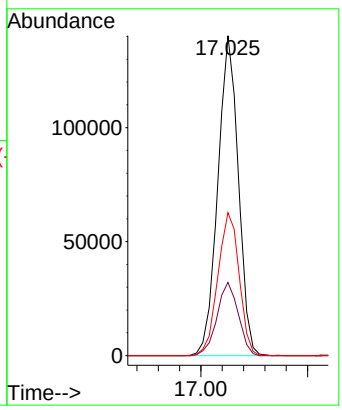




#69
Atrazine
Concen: 47.066 ng
RT: 17.025 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:200 Resp: 18786

Ion	Ratio	Lower	Upper
200	100		
173	22.9	0.9	40.9
215	44.7	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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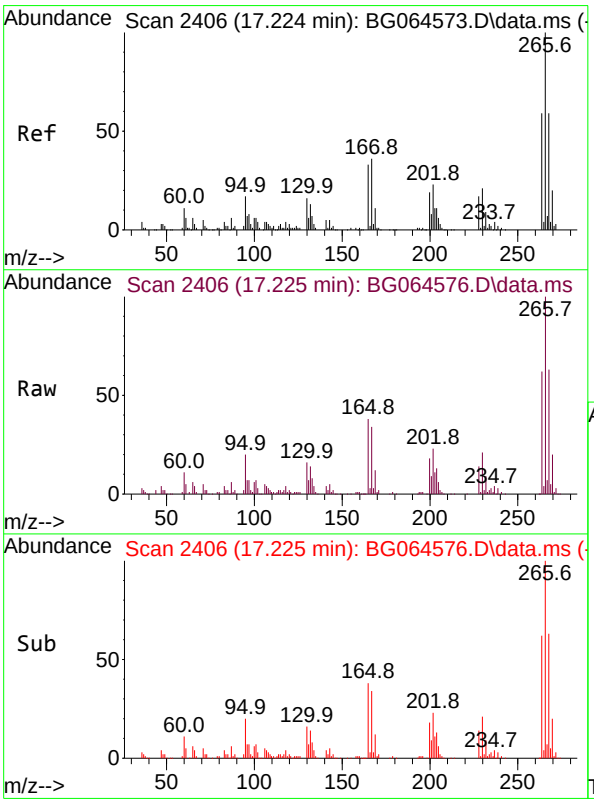
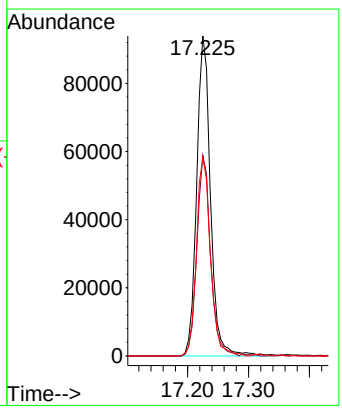
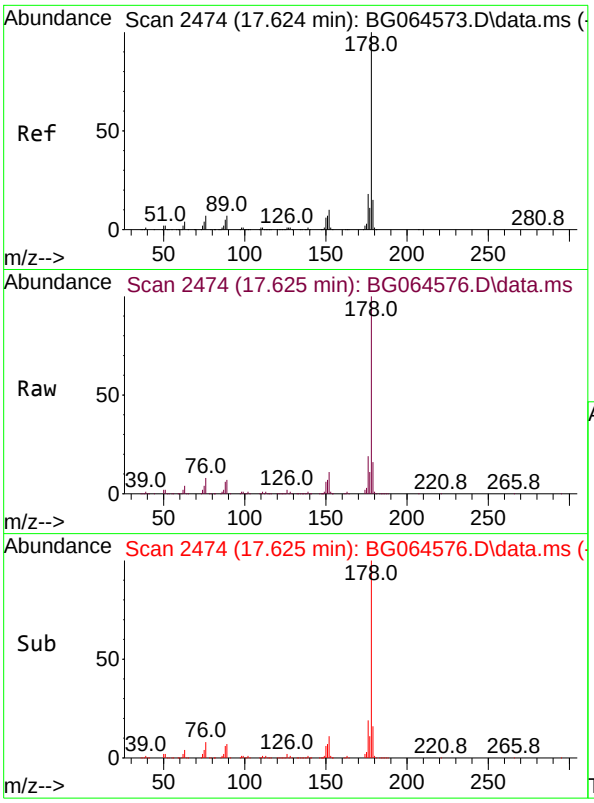


#70
Pentachlorophenol
Concen: 50.930 ng
RT: 17.225 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:266 Resp: 147427

Ion	Ratio	Lower	Upper
266	100		
268	67.9	50.3	75.5
264	62.0	47.3	70.9

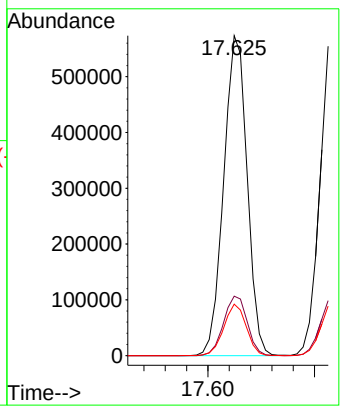




#71
Phenanthrene
Concen: 46.621 ng
RT: 17.625 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:178 Resp: 87541

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	16.1	12.2	18.4



Instrument :
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ClientSampleId :
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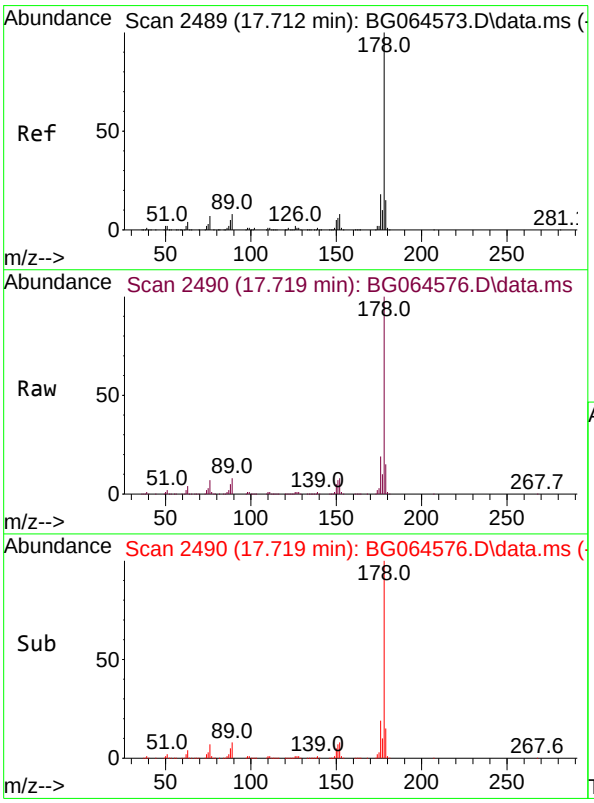
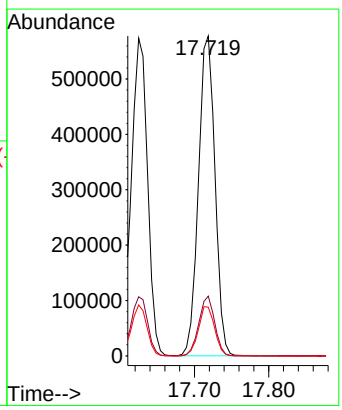
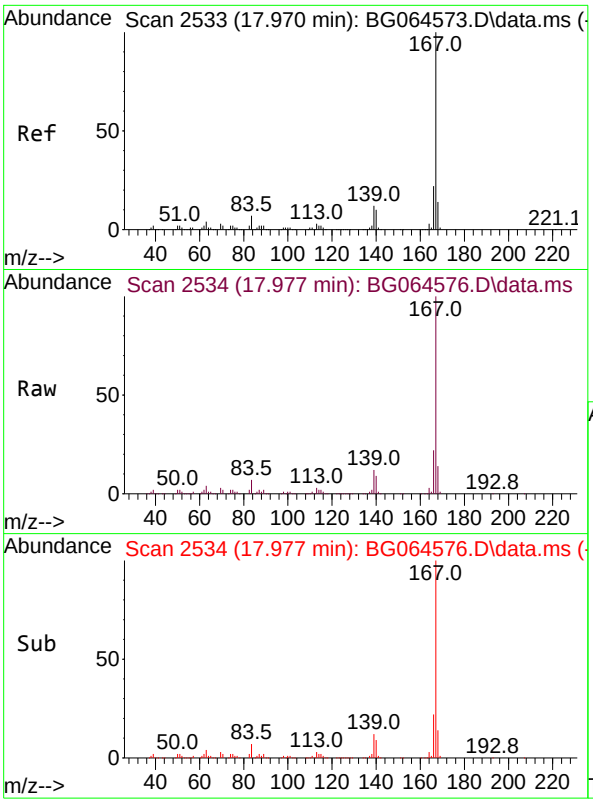


#72
Anthracene
Concen: 46.785 ng
RT: 17.719 min Scan# 2490
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:178 Resp: 893629

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.4	21.6
179	15.2	12.4	18.6

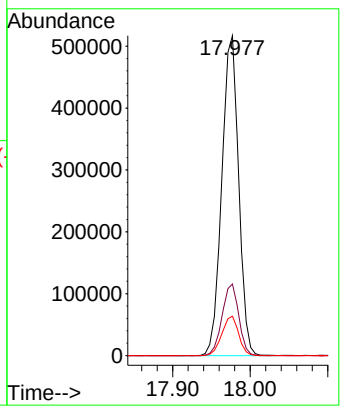




#73
Carbazole
Concen: 46.370 ng
RT: 17.977 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:167 Resp: 78103

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.9	26.9
139	12.3	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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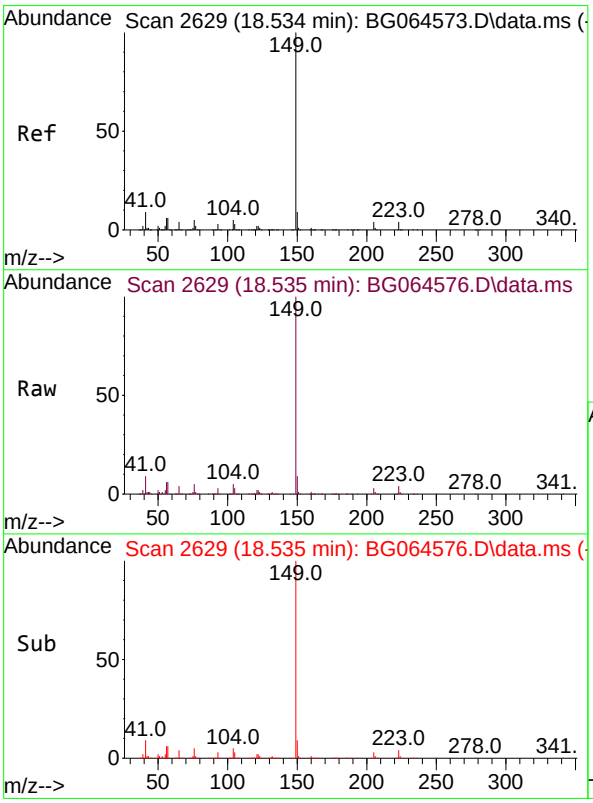
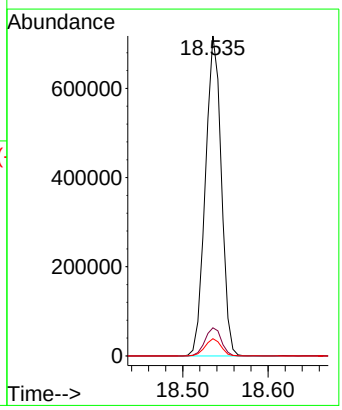
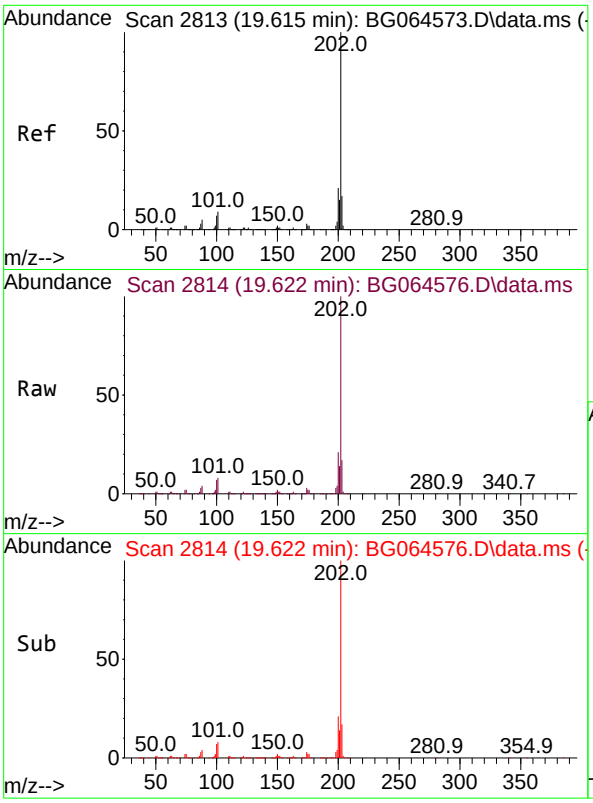


#74
Di-n-butylphthalate
Concen: 47.762 ng
RT: 18.535 min Scan# 2629
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 930281

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.4	4.1	6.1

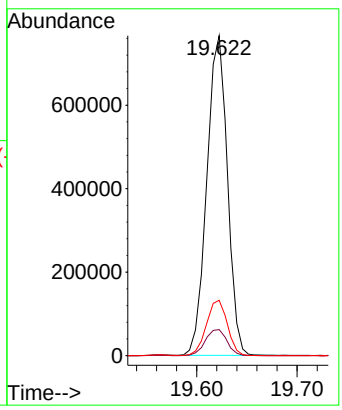




#75
Fluoranthene
Concen: 46.459 ng
RT: 19.622 min Scan# 28
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:202 Resp: 109285

Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	28.7
203	17.3	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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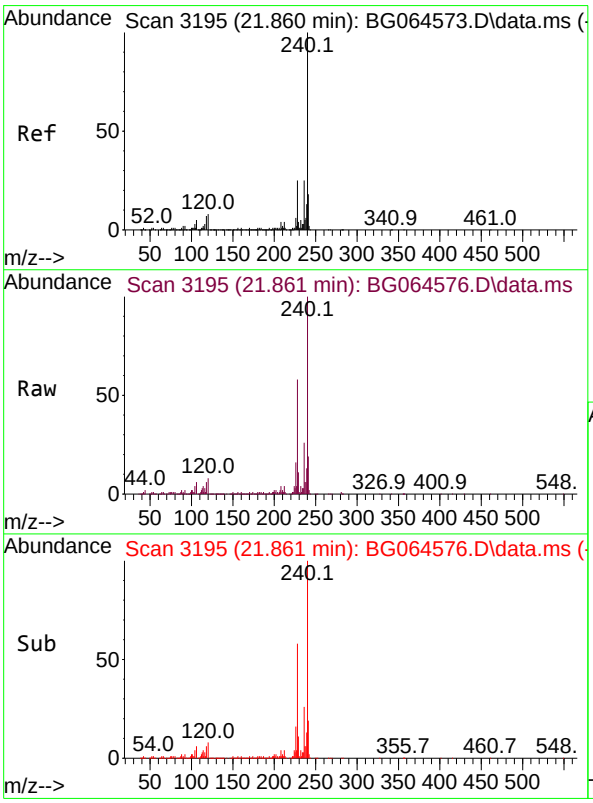
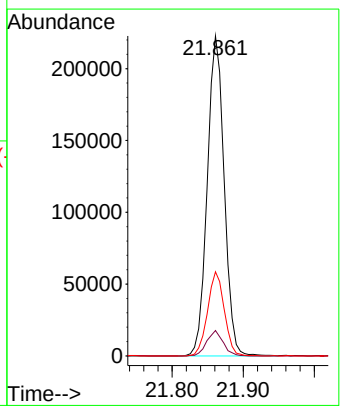
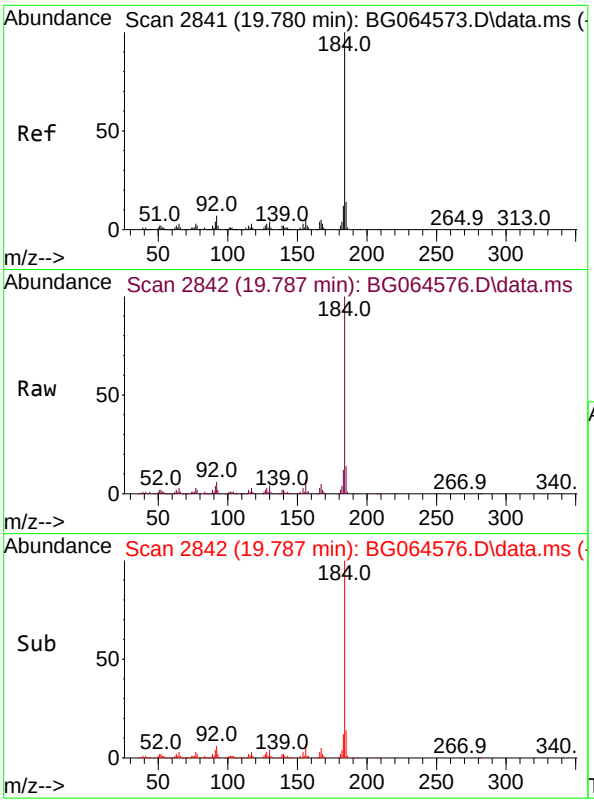


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.861 min Scan# 3195
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:240 Resp: 367592

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.5	9.7
236	26.3	20.2	30.2

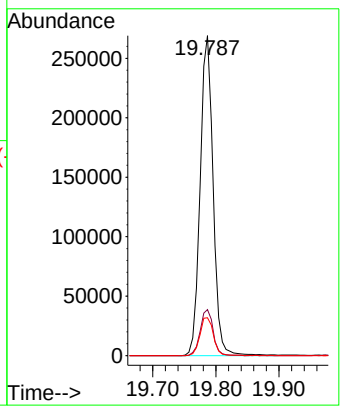




#77
Benzidine
Concen: 46.435 ng
RT: 19.787 min Scan# 28
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:184 Resp: 382418

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.2
183	11.8	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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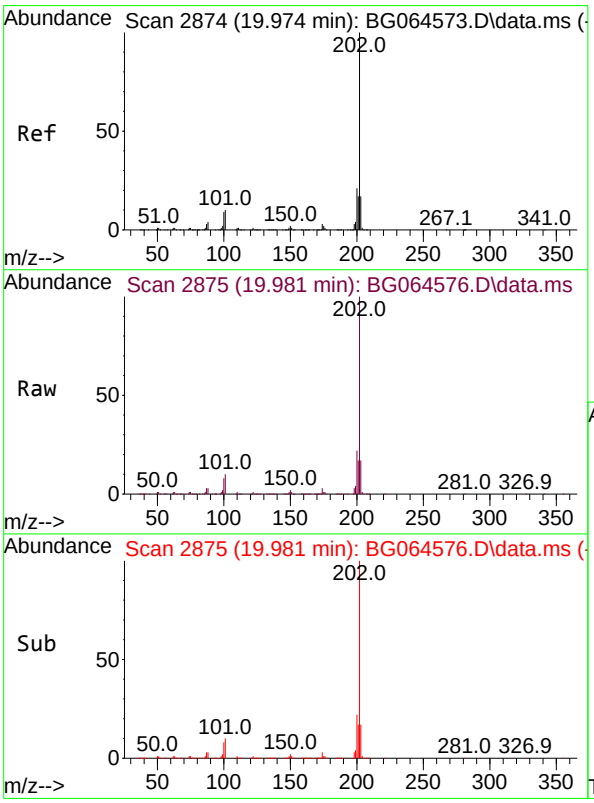
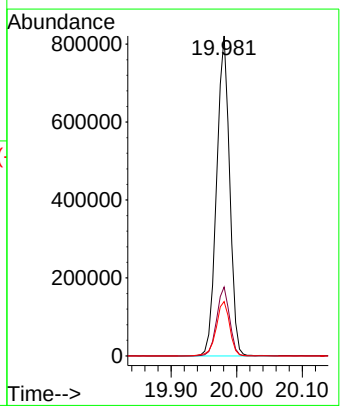
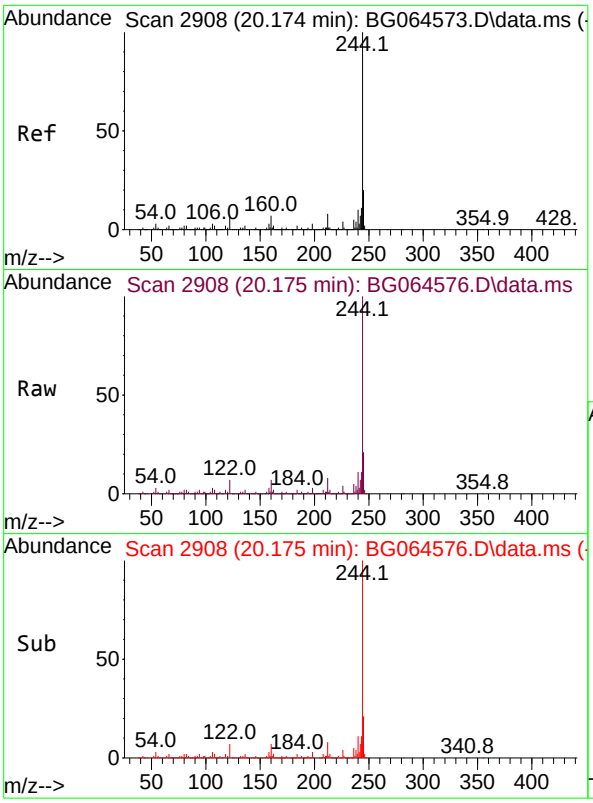


#78
Pyrene
Concen: 47.190 ng
RT: 19.981 min Scan# 2875
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:202 Resp: 1133345

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.4
203	17.0	13.8	20.6

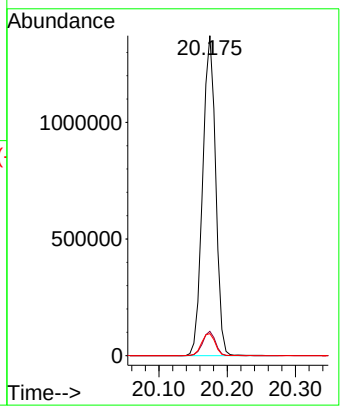




#79
Terphenyl-d14
Concen: 93.162 ng
RT: 20.175 min Scan# 29
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:244 Resp: 181466

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	6.9	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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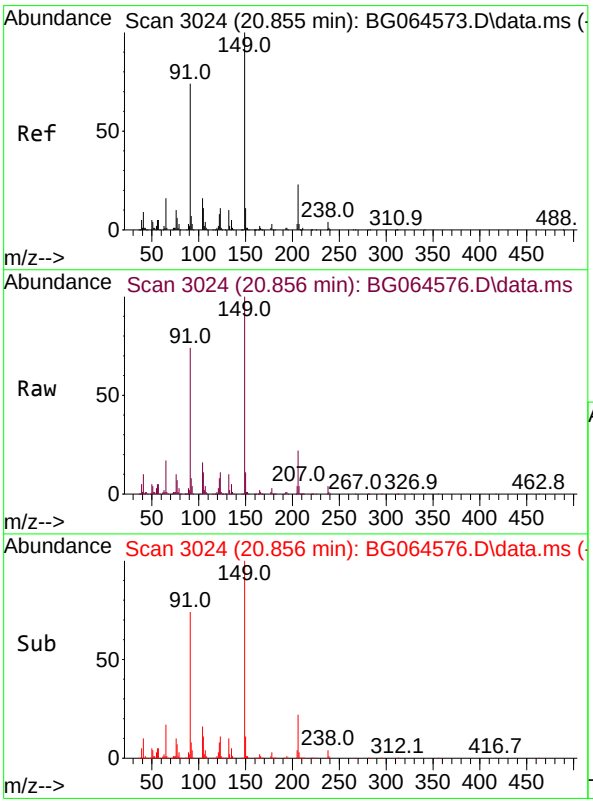
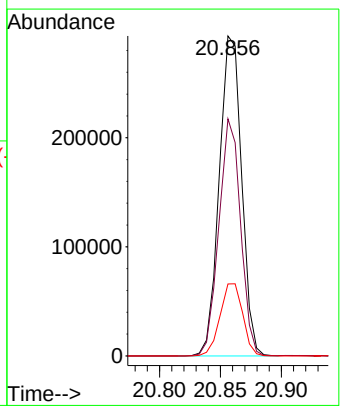
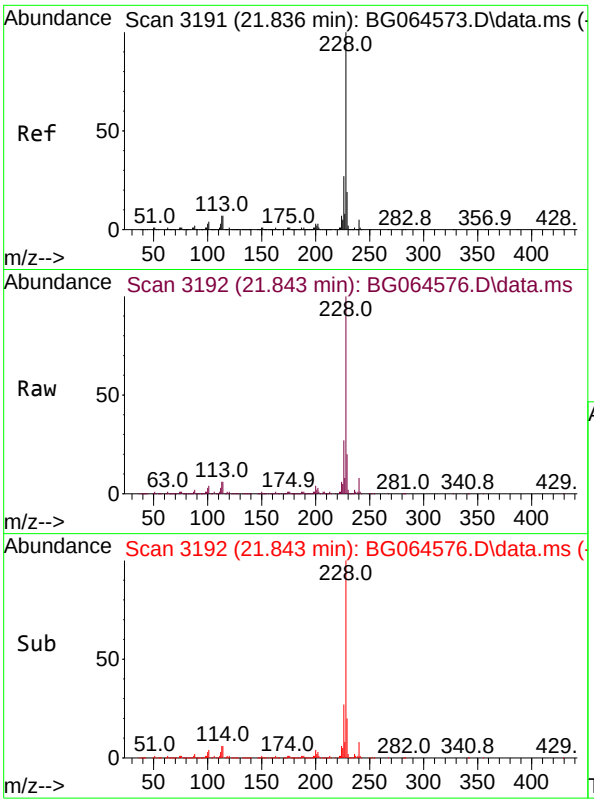


#80
Butylbenzylphthalate
Concen: 51.609 ng
RT: 20.856 min Scan# 3024
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 374611

Ion	Ratio	Lower	Upper
149	100		
91	74.1	59.2	88.8
206	22.5	18.1	27.1

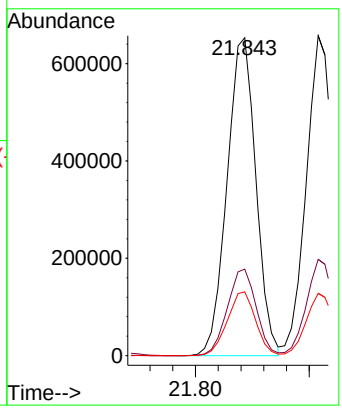




#81
Benzo(a)anthracene
Concen: 47.234 ng
RT: 21.843 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:228 Resp: 115124

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	20.1	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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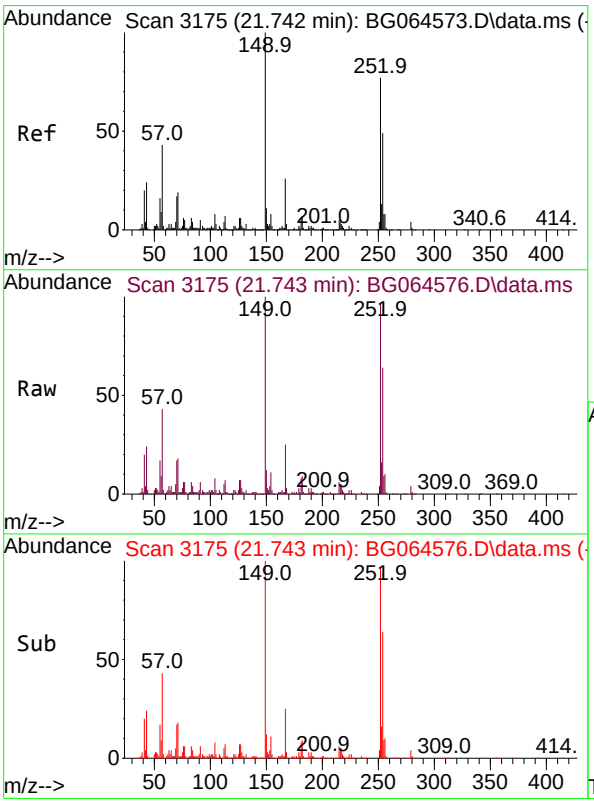
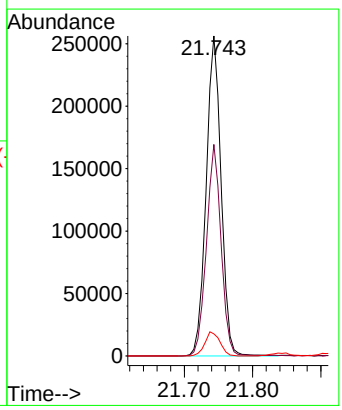
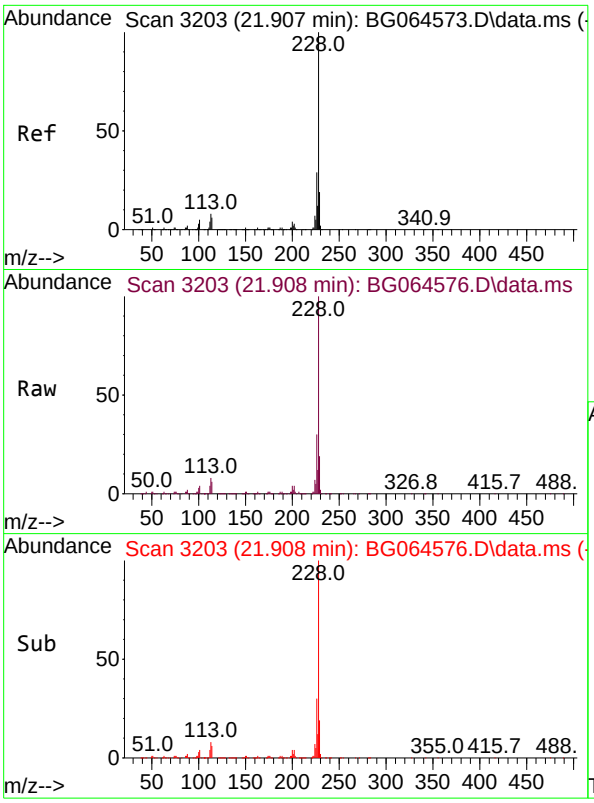


#82
3,3'-Dichlorobenzidine
Concen: 47.824 ng
RT: 21.743 min Scan# 3175
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 389240

Ion	Ratio	Lower	Upper
252	100		
254	66.1	50.8	76.2
126	6.9	5.8	8.6

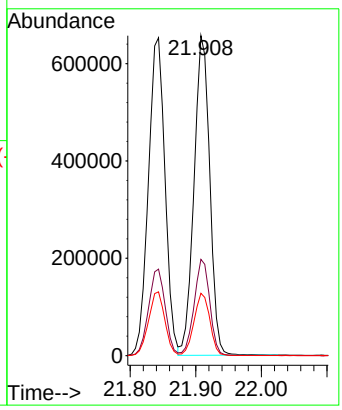




#83
Chrysene
Concen: 47.062 ng
RT: 21.908 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:228 Resp: 109145

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.3	34.9
229	19.5	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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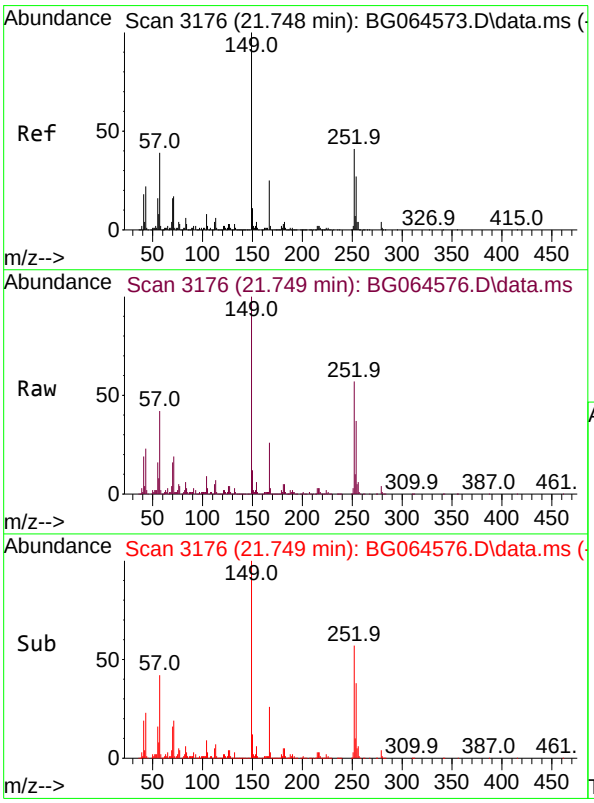
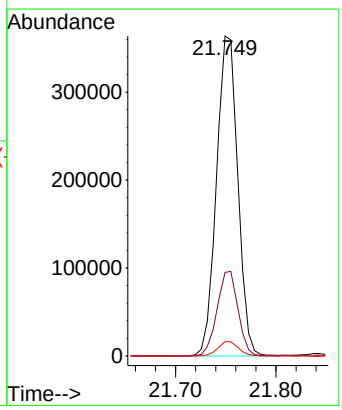
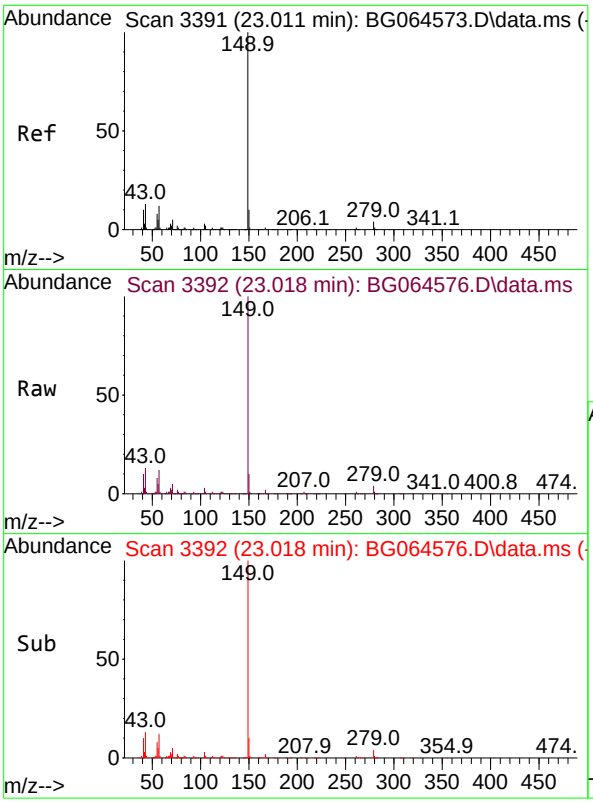


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.576 ng
RT: 21.749 min Scan# 3176
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 537716

Ion	Ratio	Lower	Upper
149	100		
167	26.1	20.0	30.0
279	4.4	3.1	4.7

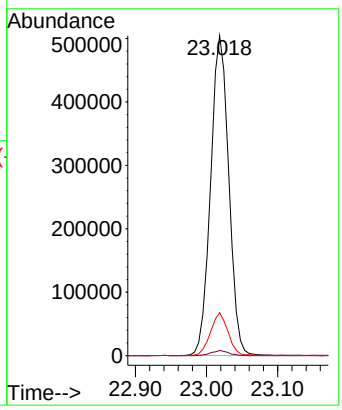




#85
Di-n-octyl phthalate
Concen: 49.039 ng
RT: 23.018 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 89676

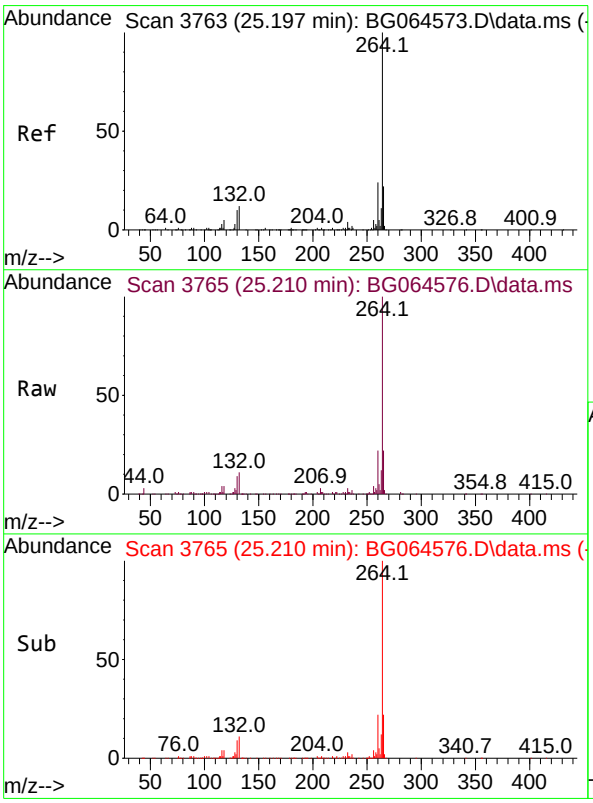
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.1	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

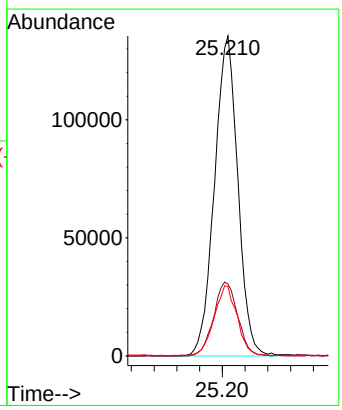
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

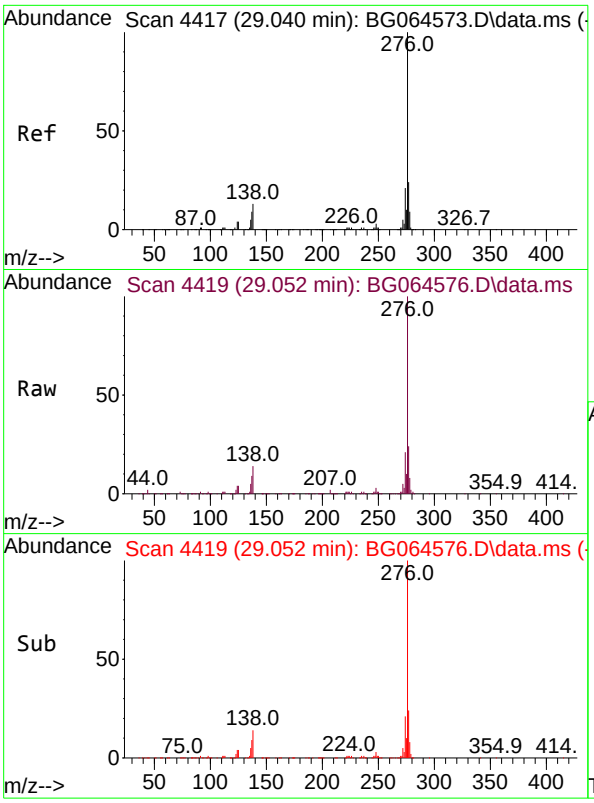


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.210 min Scan# 3765
Delta R.T. 0.009 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:264 Resp: 385865

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.0	28.4
265	21.7	17.6	26.4

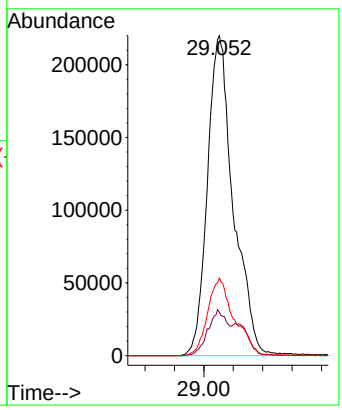




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.425 ng
RT: 29.052 min Scan# 44
Delta R.T. -0.008 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:276 Resp: 134618

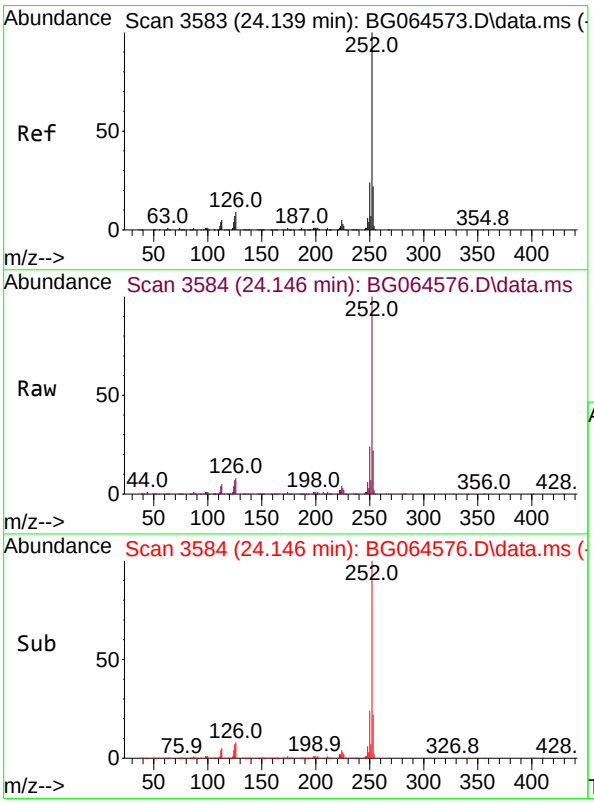
Ion	Ratio	Lower	Upper
276	100		
138	10.9	10.8	16.2
277	24.8	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

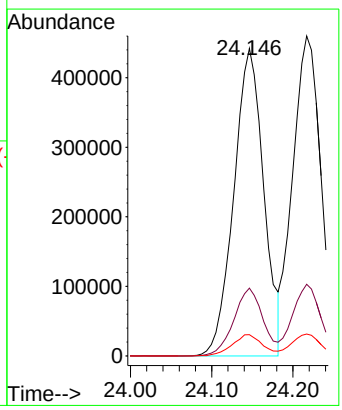
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

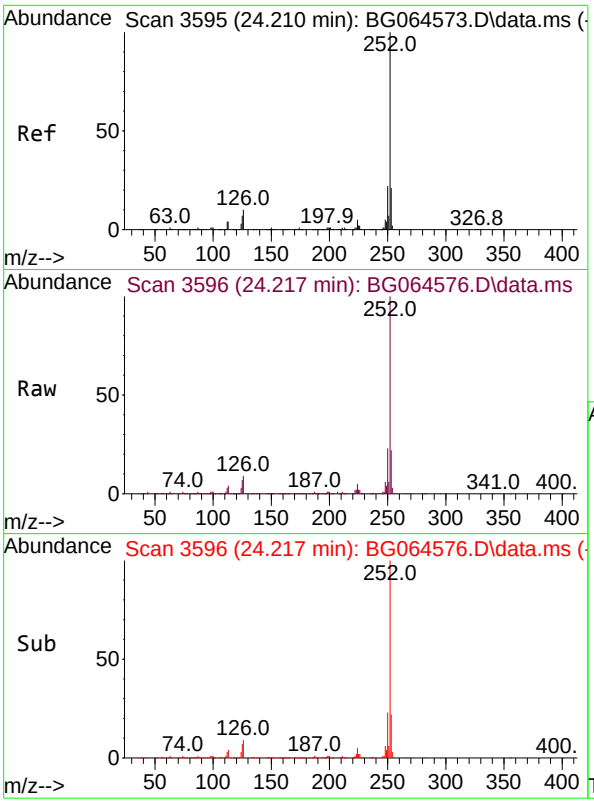


#88
Benzo(b)fluoranthene
Concen: 47.810 ng
RT: 24.146 min Scan# 3584
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 1131250

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	6.9	5.6	8.4

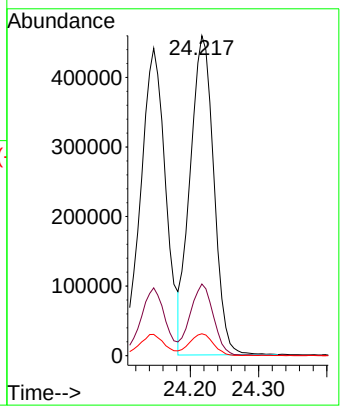




#89
Benzo(k)fluoranthene
Concen: 46.901 ng
RT: 24.217 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 111049

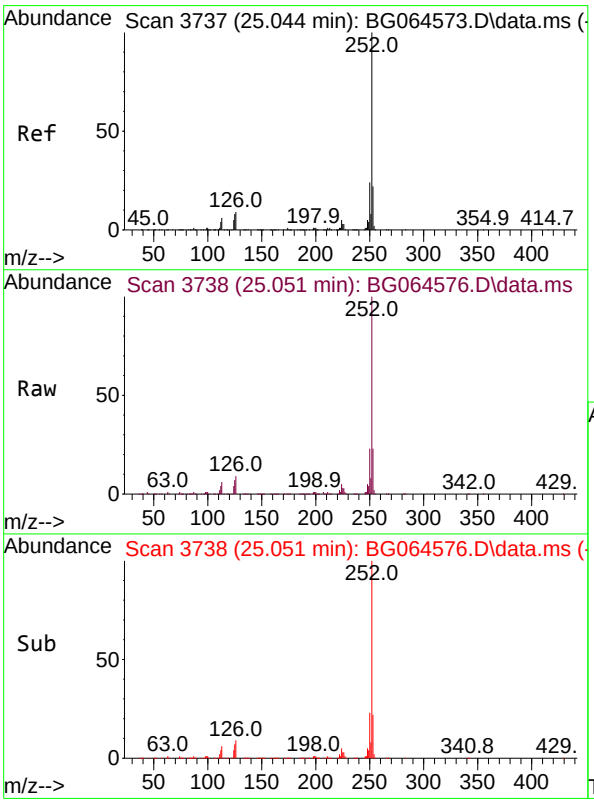
Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.8	25.2
125	6.8	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

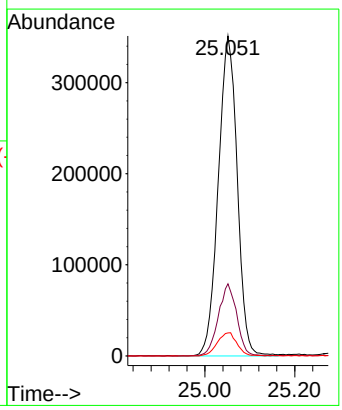
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

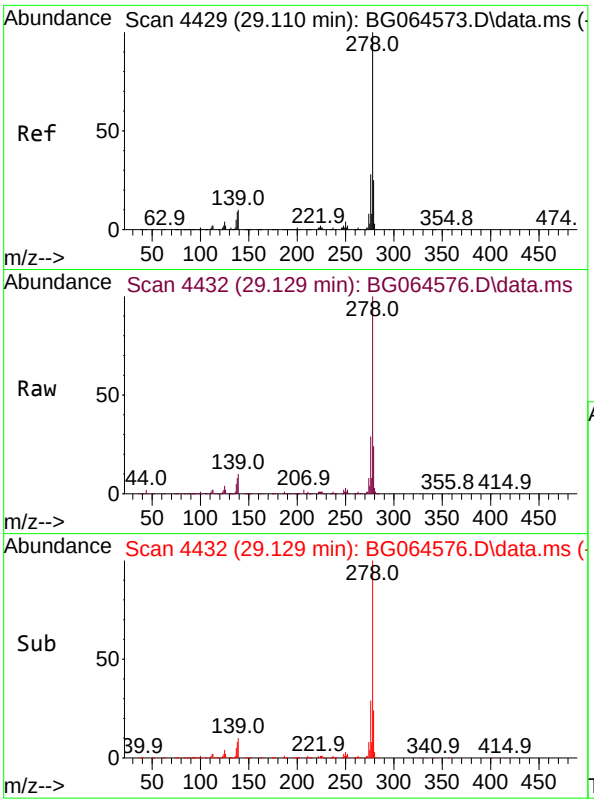


#90
Benzo(a)pyrene
Concen: 47.339 ng
RT: 25.051 min Scan# 3738
Delta R.T. -0.008 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 1029605

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	7.2	6.1	9.1

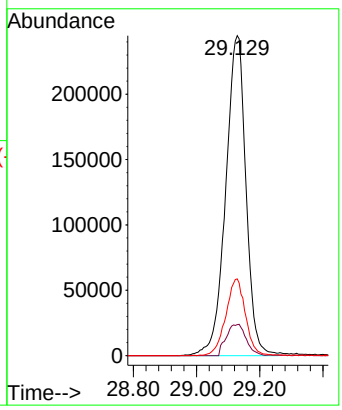




#91
Dibenzo(a,h)anthracene
Concen: 47.283 ng
RT: 29.129 min Scan# 44
Delta R.T. -0.008 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:278 Resp: 109040

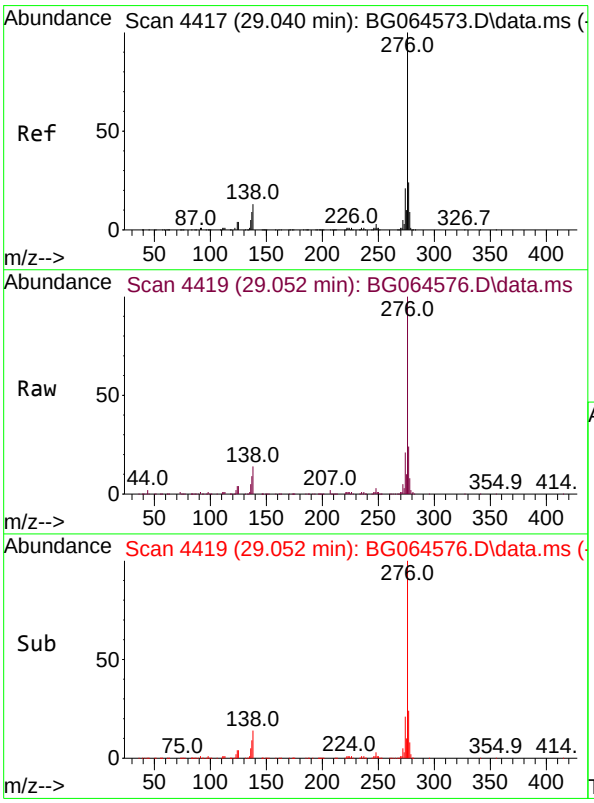
Ion	Ratio	Lower	Upper
278	100		
139	9.7	8.0	12.0
279	24.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

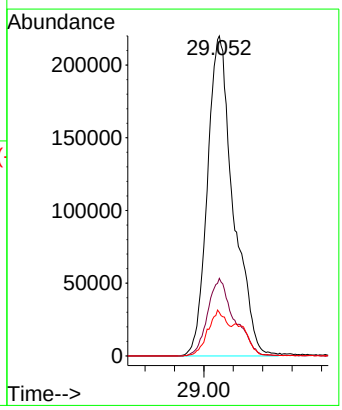
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 47.425 ng
RT: 29.052 min Scan# 4419
Delta R.T. -0.008 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:276 Resp: 1346188

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.2	28.8
138	13.6	10.7	16.1



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.222	152	37186	20.000	ng	0.00
21) Naphthalene-d8	11.048	136	157125	20.000	ng	0.00
39) Acenaphthene-d10	14.844	164	124202	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	290051	20.000	ng	0.00
76) Chrysene-d12	21.859	240	293608	20.000	ng	0.00
86) Perylene-d12	25.202	264	306886	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	156266	70.535	ng	0.00
7) Phenol-d6	7.353	99	225294	74.109	ng	0.00
23) Nitrobenzene-d5	9.386	82	200749	76.738	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	134578	75.074	ng	0.00
45) 2-Fluorobiphenyl	13.475	172	594887	72.599	ng	0.00
79) Terphenyl-d14	20.173	244	1151597	74.019	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.586	88	33172	33.820	ng	97
3) Pyridine	3.998	79	98123	33.313	ng	95
4) n-Nitrosodimethylamine	3.898	42	56903	36.025	ng	98
6) Aniline	7.529	93	157683	38.118	ng	99
8) 2-Chlorophenol	7.776	128	85755	36.981	ng	96
9) Benzaldehyde	7.341	77	84516	50.923	ng	95
10) Phenol	7.376	94	122412	36.410	ng	98
11) bis(2-Chloroethyl)ether	7.529	93	157683	38.118	ng	99
12) 1,3-Dichlorobenzene	8.111	146	96308	36.085	ng	94
13) 1,4-Dichlorobenzene	8.257	146	102132	37.635	ng	96
14) 1,2-Dichlorobenzene	8.581	146	96651	36.924	ng	97
15) Benzyl Alcohol	8.445	79	95250	37.995	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.745	45	234476	36.163	ng	98
17) 2-Methylphenol	8.445	107	48801	38.945	ng	95
18) Hexachloroethane	9.327	117	34040	35.743	ng	96
19) n-Nitroso-di-n-propyla...	9.027	70	83140	39.572	ng	96
20) 3+4-Methylphenols	8.974	107	118917	37.882	ng	96
22) Acetophenone	9.045	105	162385	37.806	ng	97
24) Nitrobenzene	9.427	77	111836	39.305	ng	97
25) Isophorone	9.955	82	236860	37.733	ng	99
26) 2-Nitrophenol	10.143	139	38013	35.498	ng	97
27) 2,4-Dimethylphenol	10.196	122	98450m	41.336	ng	
28) bis(2-Chloroethoxy)met...	10.437	93	132072	36.953	ng	99
29) 2,4-Dichlorophenol	10.684	162	95966	38.190	ng	97
30) 1,2,4-Trichlorobenzene	10.907	180	108339	37.945	ng	97
31) Naphthalene	11.101	128	311084	35.709	ng	100
32) Benzoic acid	10.296	122	62191m	37.924	ng	
33) 4-Chloroaniline	11.189	127	139799	41.287	ng	99
34) Hexachlorobutadiene	11.389	225	78691	35.242	ng	97
35) Caprolactam	11.941	113	35011	36.326	ng	93
36) 4-Chloro-3-methylphenol	12.294	107	114927	38.049	ng	98
37) 2-Methylnaphthalene	12.693	142	213545	33.388	ng	98
38) 1-Methylnaphthalene	12.911	142	224857	35.729	ng	100
40) 1,2,4,5-Tetrachloroben...	13.052	216	154838	37.146	ng	99
41) Hexachlorocyclopentadiene	13.040	237	95065	50.669	ng	98
43) 2,4,6-Trichlorophenol	13.281	196	92335	38.726	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	102433	37.228	ng		99
46) 1,1'-Biphenyl	13.686	154	329629	37.331	ng		99
47) 2-Chloronaphthalene	13.727	162	241311	36.205	ng		97
48) 2-Nitroaniline	13.910	65	78927	36.129	ng		96
49) Acenaphthylene	14.568	152	435836	41.457	ng		98
50) Dimethylphthalate	14.292	163	350600	36.890	ng		100
51) 2,6-Dinitrotoluene	14.403	165	61784	39.971	ng		100
52) Acenaphthene	14.908	154	253833	35.340	ng		98
53) 3-Nitroaniline	14.726	138	68729	42.080	ng		99
54) 2,4-Dinitrophenol	14.926	184	29394	33.991	ng	#	56
55) Dibenzofuran	15.237	168	419154	36.096	ng		97
56) 4-Nitrophenol	15.014	139	51210	33.818	ng		92
57) 2,4-Dinitrotoluene	15.185	165	85201	35.957	ng		96
58) Fluorene	15.890	166	328636	36.238	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.455	232	106626	40.525	ng		97
60) Diethylphthalate	15.649	149	348964	35.961	ng		99
61) 4-Chlorophenyl-phenyle...	15.878	204	182714	35.902	ng		99
62) 4-Nitroaniline	15.884	138	68807	37.867	ng		97
63) Azobenzene	16.172	77	323432	36.325	ng		97
65) 4,6-Dinitro-2-methylph...	15.943	198	42391	34.885	ng		94
66) n-Nitrosodiphenylamine	16.084	169	300274	38.325	ng		98
67) 4-Bromophenyl-phenylether	16.771	248	130765	38.044	ng		97
68) Hexachlorobenzene	16.888	284	144974	36.971	ng		96
69) Atrazine	17.024	200	130007	38.558	ng		96
70) Pentachlorophenol	17.223	266	85166	34.829	ng		90
71) Phenanthrene	17.623	178	569825	35.925	ng		99
72) Anthracene	17.717	178	584246	36.210	ng		99
73) Carbazole	17.975	167	498849	35.061	ng		99
74) Di-n-butylphthalate	18.534	149	570718	34.688	ng		99
75) Fluoranthene	19.621	202	676996	34.070	ng		99
77) Benzidine	19.785	184	356547	54.203	ng		99
78) Pyrene	19.979	202	693068	36.130	ng		99
80) Butylbenzylphthalate	20.854	149	224386	38.702	ng		98
81) Benzo(a)anthracene	21.836	228	706428	36.287	ng		99
82) 3,3'-Dichlorobenzidine	21.742	252	265324	40.813	ng		96
83) Chrysene	21.906	228	658217	35.533	ng		98
84) Bis(2-ethylhexyl)phtha...	21.747	149	324614	37.470	ng		96
85) Di-n-octyl phthalate	23.017	149	527097	36.087	ng		99
87) Indeno(1,2,3-cd)pyrene	29.045	276	820974	36.366	ng		99
88) Benzo(b)fluoranthene	24.139	252	681881	36.235	ng		99
89) Benzo(k)fluoranthene	24.209	252	701500	37.252	ng		99
90) Benzo(a)pyrene	25.049	252	652126	37.700	ng		98
91) Dibenzo(a,h)anthracene	29.121	278	674510	36.776	ng		96
92) Benzo(g,h,i)perylene	29.045	276	820974	36.366	ng		97

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

ICAL Form

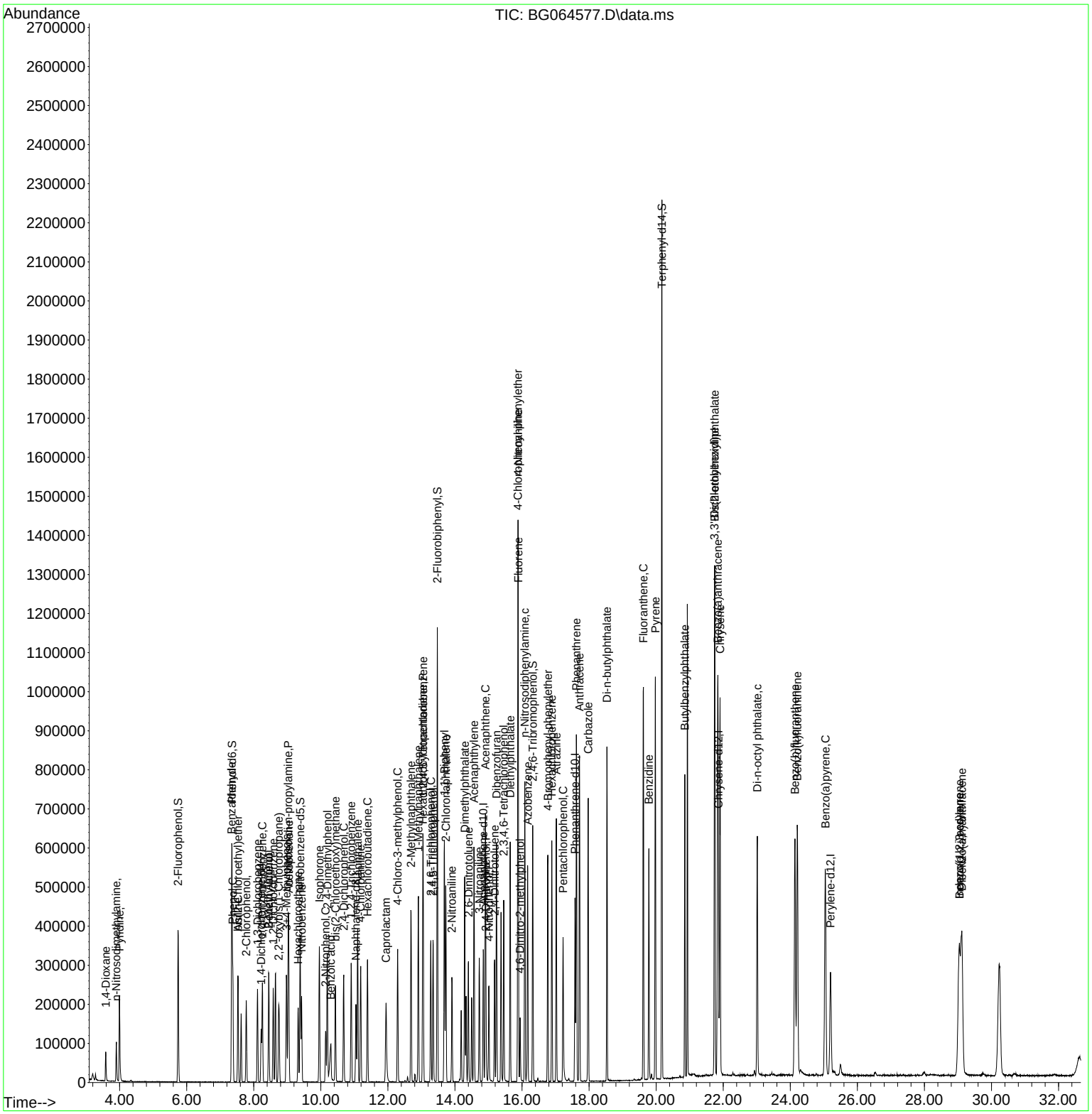
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

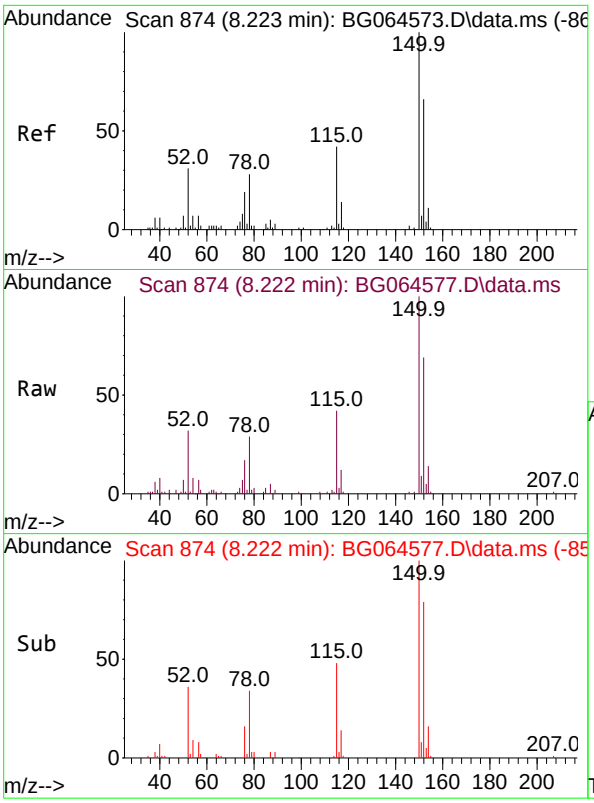
Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

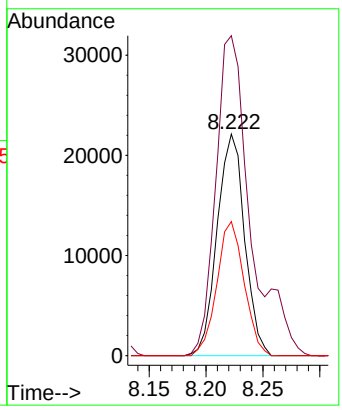




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.222 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:152 Resp: 3718

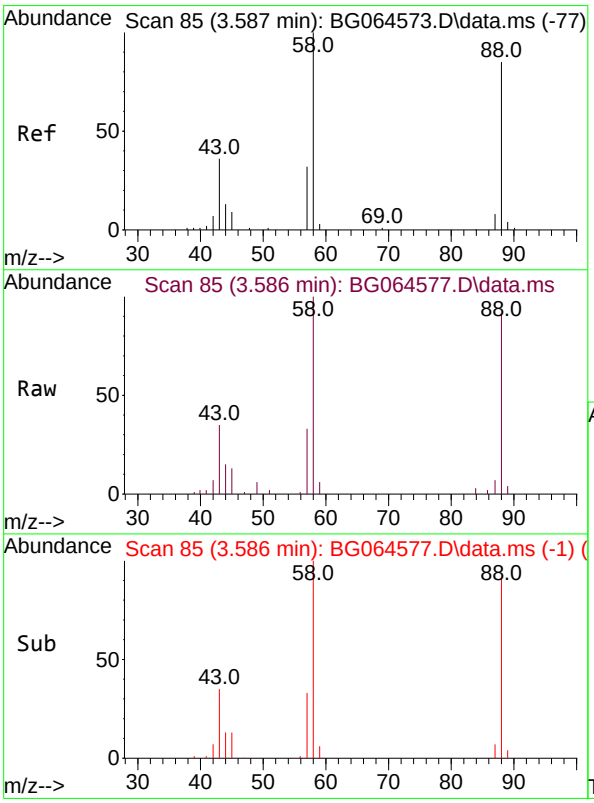
Ion	Ratio	Lower	Upper
152	100		
150	144.5	122.2	183.4
115	60.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
APPROVED

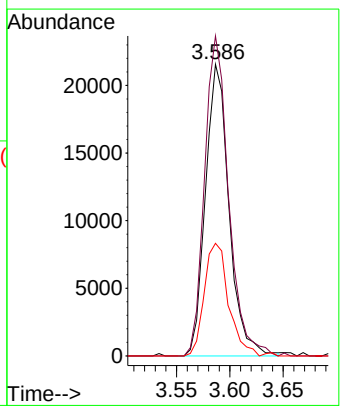
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

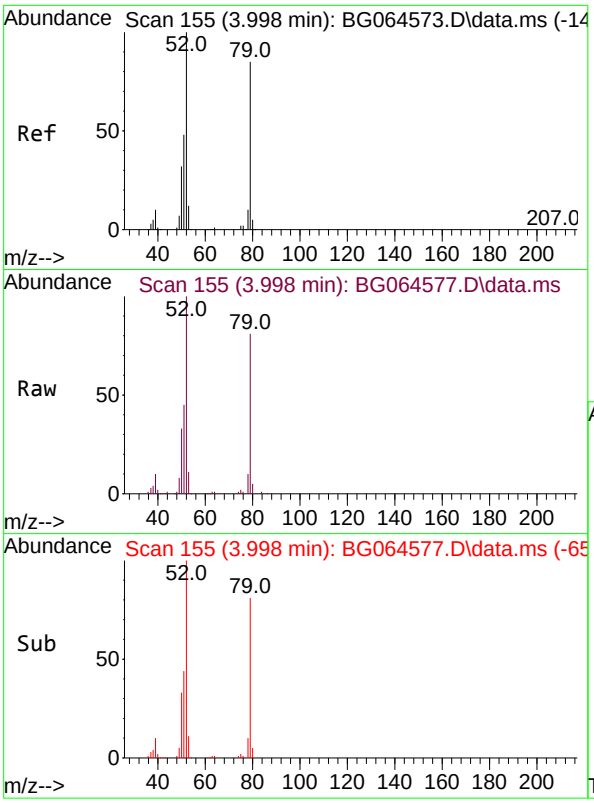


#2
1,4-Dioxane
Concen: 33.820 ng
RT: 3.586 min Scan# 85
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 88 Resp: 33172

Ion	Ratio	Lower	Upper
88	100		
58	111.8	92.4	138.6
43	40.1	33.0	49.6





#3
Pyridine
Concen: 33.313 ng
RT: 3.998 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 79 Resp: 9812

Ion	Ratio	Lower	Upper
79	100		
52	124.1	94.2	141.2
51	55.8	46.1	69.1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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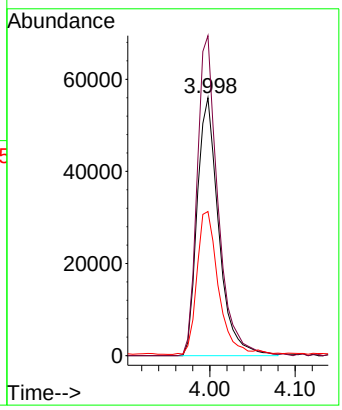
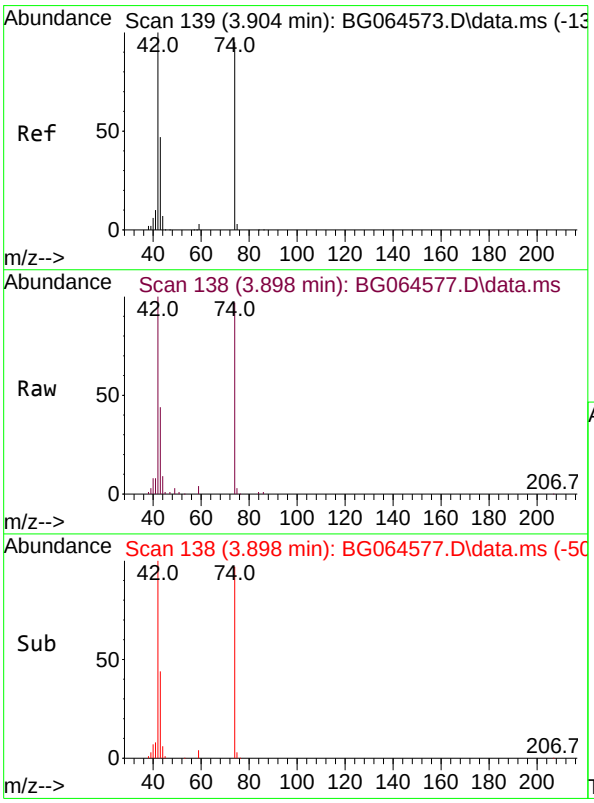
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

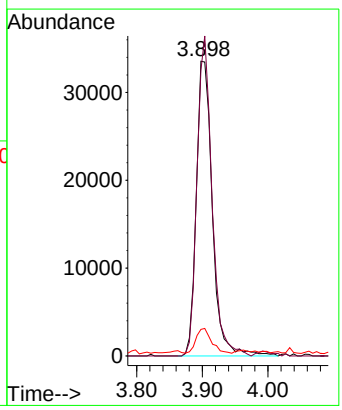


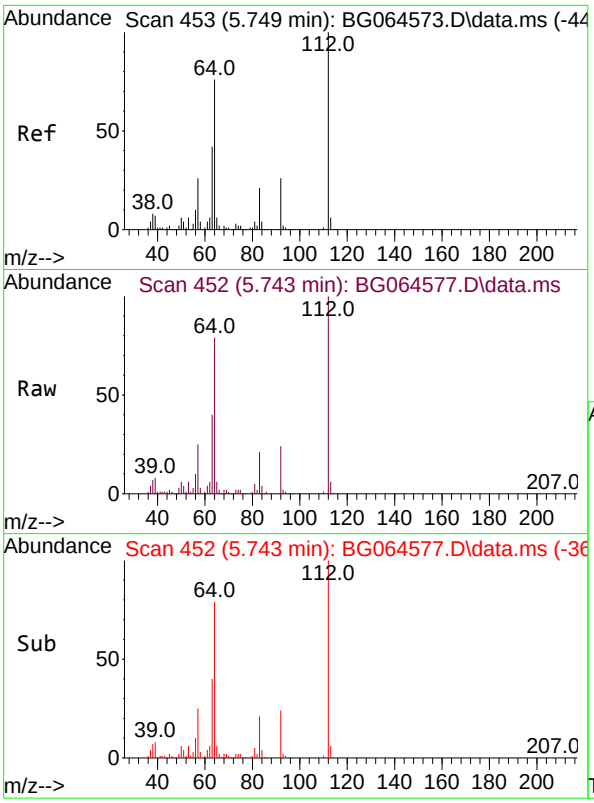


#4
n-Nitrosodimethylamine
Concen: 36.025 ng
RT: 3.898 min Scan# 138
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 42 Resp: 56903

Ion	Ratio	Lower	Upper
42	100		
74	97.0	76.1	114.1
44	9.0	6.3	9.5

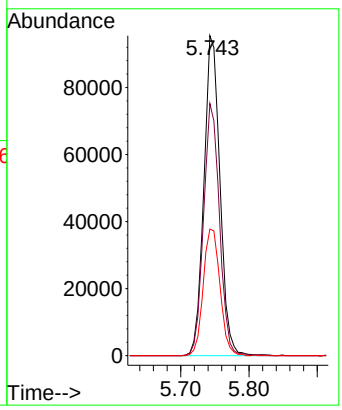




#5
2-Fluorophenol
Concen: 70.535 ng
RT: 5.743 min Scan# 4
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:112 Resp: 15626

Ion	Ratio	Lower	Upper
112	100		
64	78.8	60.7	91.1
63	39.5	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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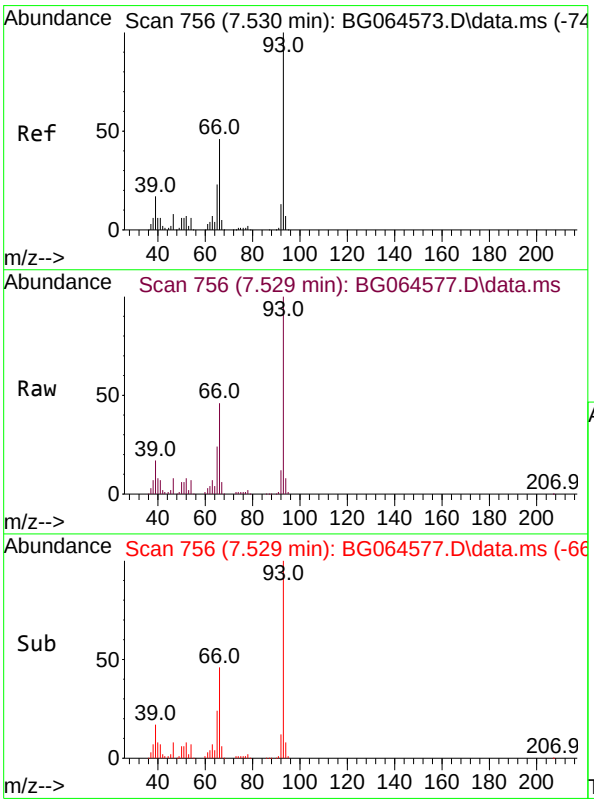
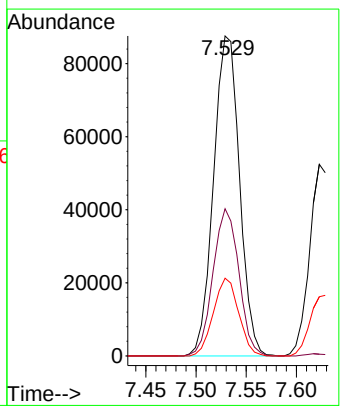
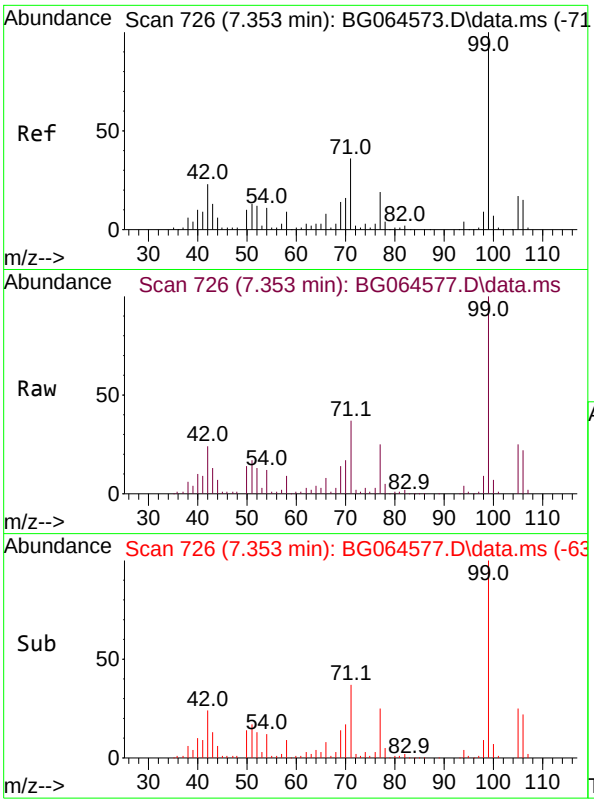


#6
Aniline
Concen: 38.118 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 93 Resp: 157683

Ion	Ratio	Lower	Upper
93	100		
66	46.0	37.0	55.6
65	24.3	18.3	27.5

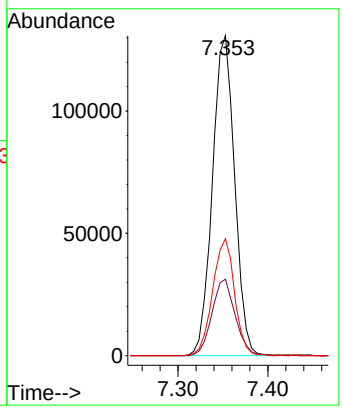




#7
Phenol-d6
Concen: 74.109 ng
RT: 7.353 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 99 Resp: 22529

Ion	Ratio	Lower	Upper
99	100		
42	23.9	18.3	27.5
71	36.5	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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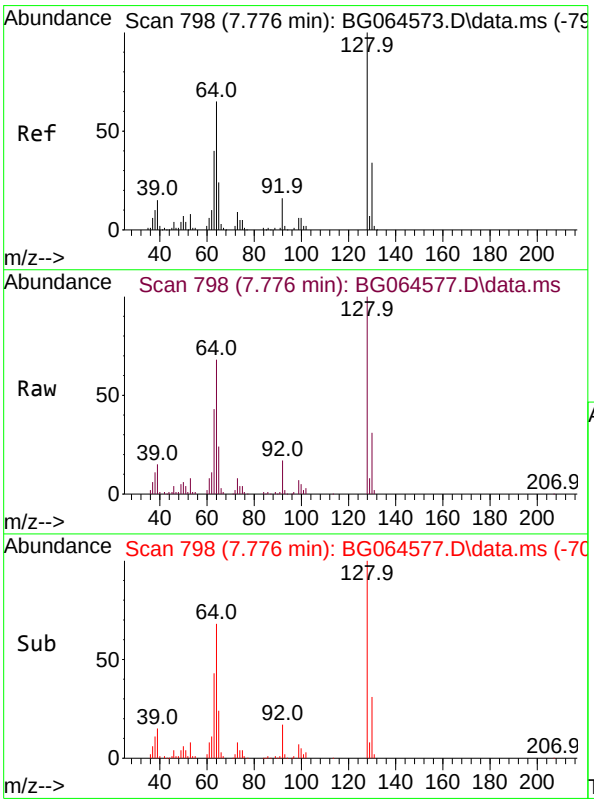
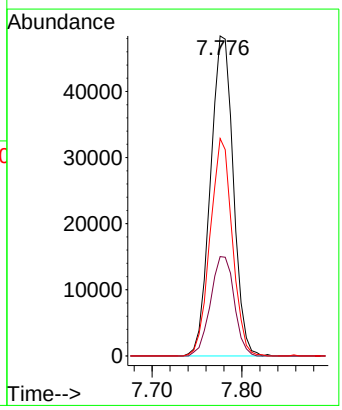
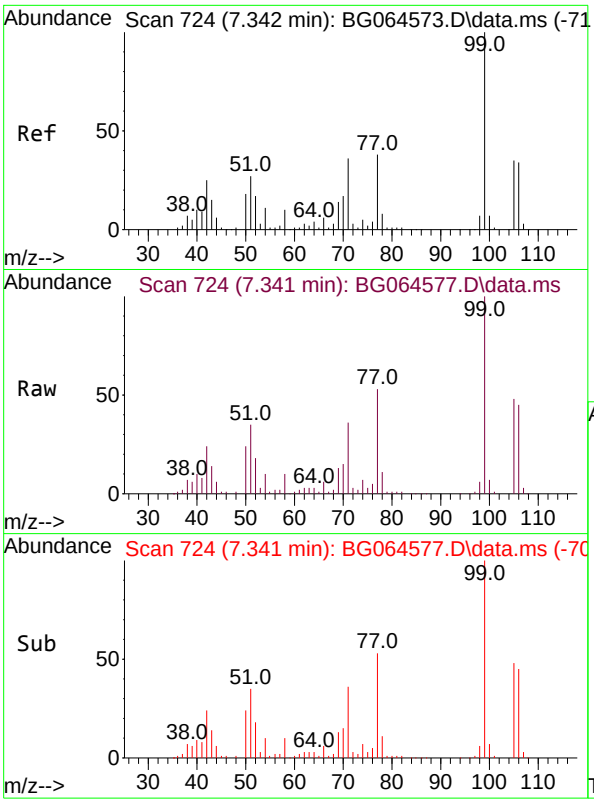


#8
2-Chlorophenol
Concen: 36.981 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:128 Resp: 85755

Ion	Ratio	Lower	Upper
128	100		
130	31.0	13.5	53.5
64	67.9	45.2	85.2

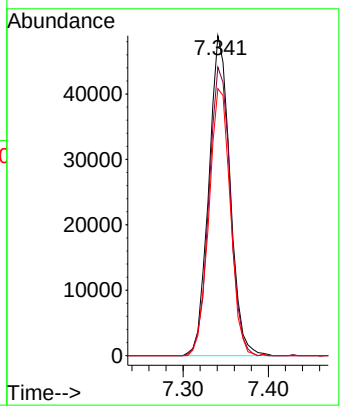




#9
Benzaldehyde
Concen: 50.923 ng
RT: 7.341 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 77 Resp: 8451

Ion	Ratio	Lower	Upper
77	100		
105	90.1	72.9	112.9
106	83.4	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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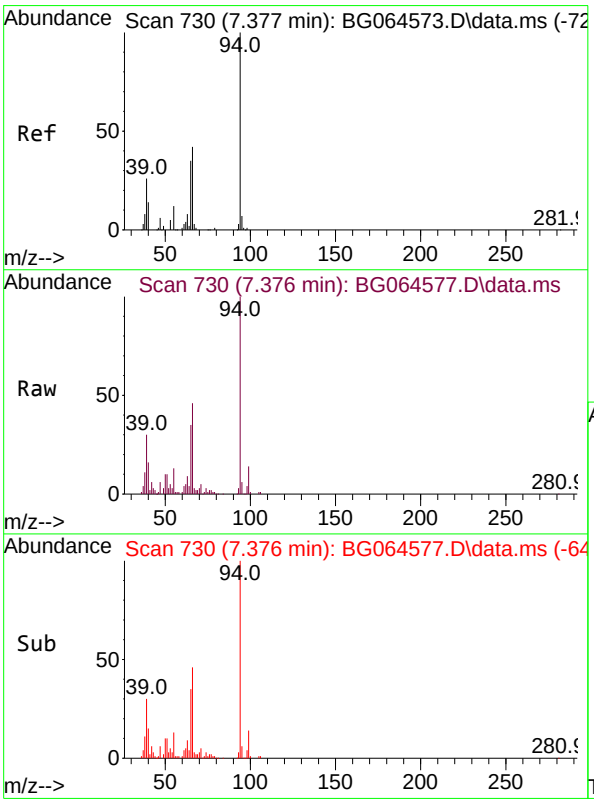
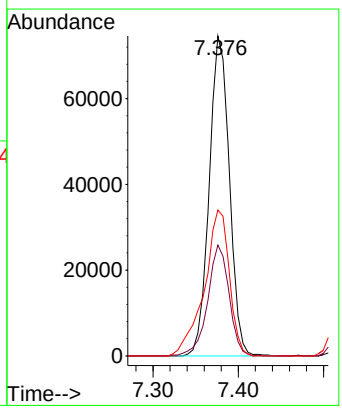
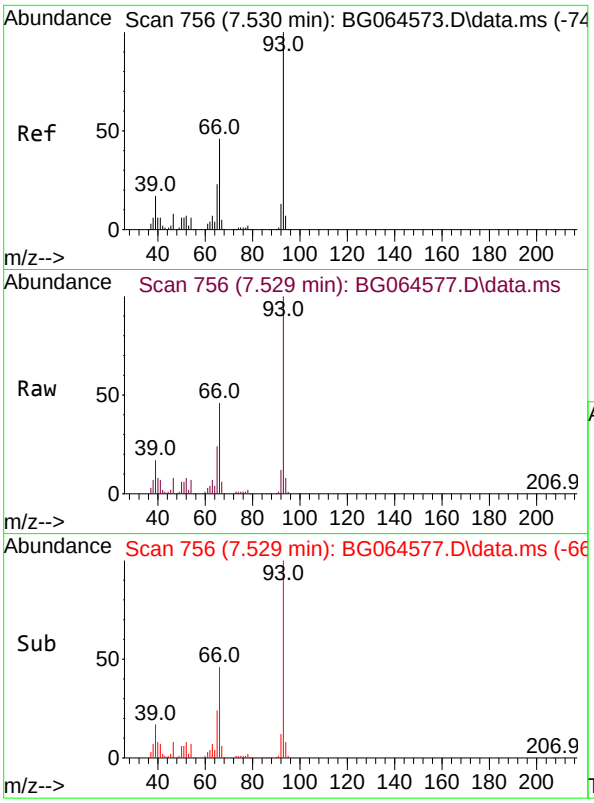


#10
Phenol
Concen: 36.410 ng
RT: 7.376 min Scan# 730
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 94 Resp: 122412

Ion	Ratio	Lower	Upper
94	100		
65	34.6	15.8	55.8
66	45.6	24.0	64.0

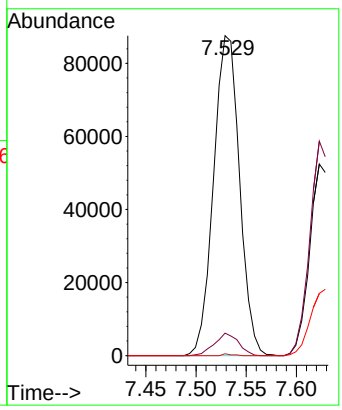




#11
bis(2-Chloroethyl)ether
Concen: 38.118 ng
RT: 7.529 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 93 Resp: 15768

Ion	Ratio	Lower	Upper
93	100		
63	7.0	0.0	27.4
95	0.6	0.0	20.2



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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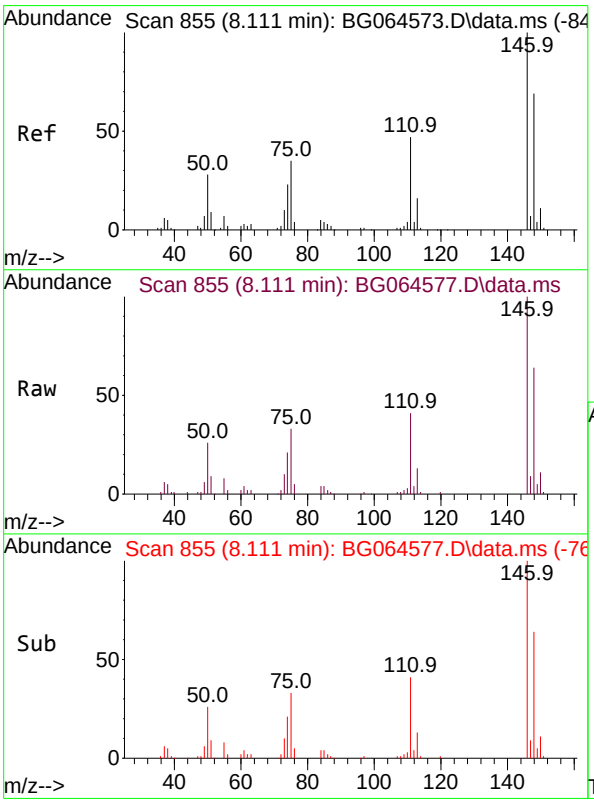
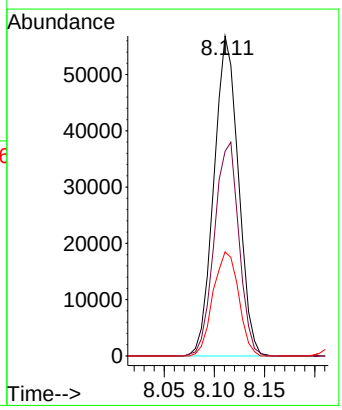
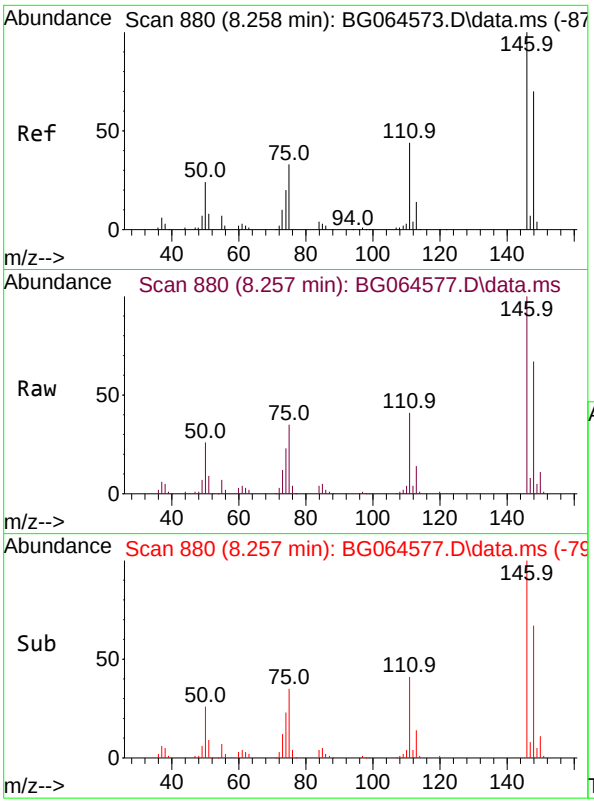


#12
1,3-Dichlorobenzene
Concen: 36.085 ng
RT: 8.111 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:146 Resp: 96308

Ion	Ratio	Lower	Upper
146	100		
148	63.9	55.3	82.9
75	32.5	28.2	42.2

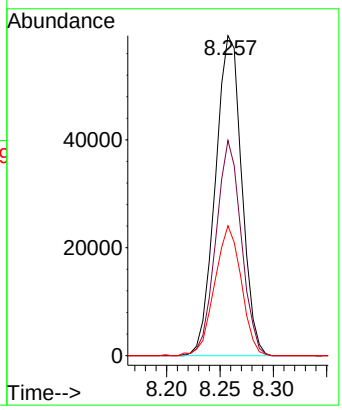




#13
1,4-Dichlorobenzene
Concen: 37.635 ng
RT: 8.257 min Scan# 88
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:146 Resp: 10213

Ion	Ratio	Lower	Upper
146	100		
148	67.2	56.2	84.4
111	40.6	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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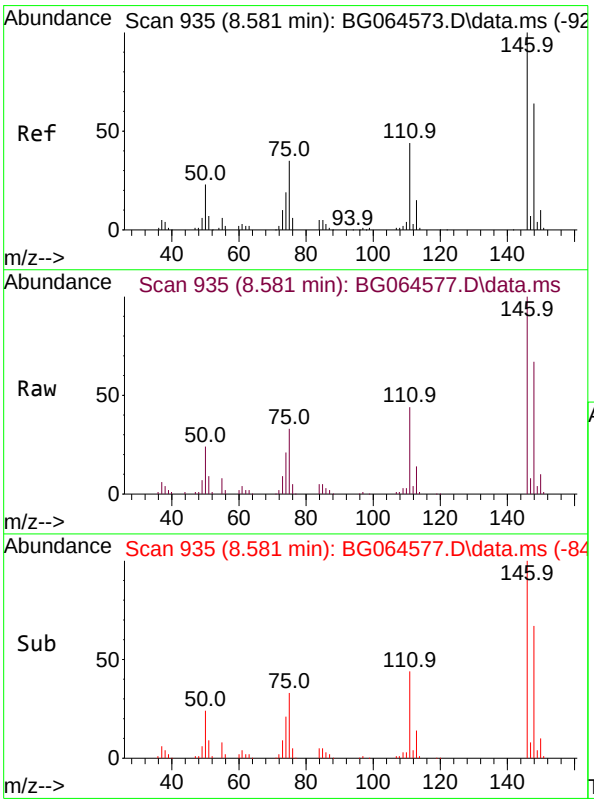
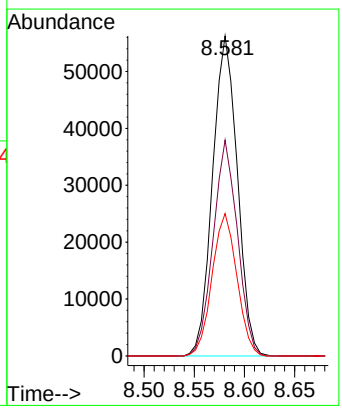
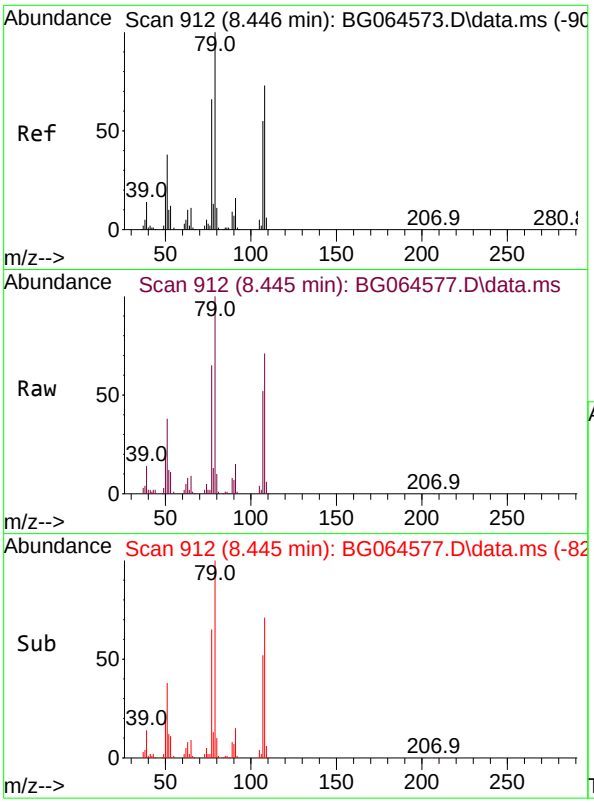


#14
1,2-Dichlorobenzene
Concen: 36.924 ng
RT: 8.581 min Scan# 935
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:146 Resp: 96651

Ion	Ratio	Lower	Upper
146	100		
148	67.4	51.5	77.3
111	44.5	35.0	52.6

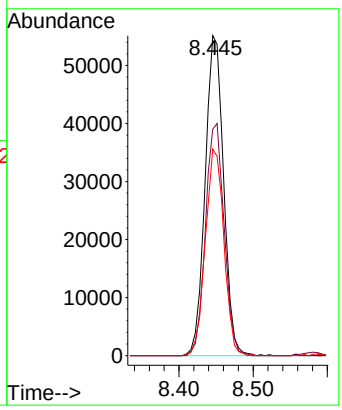




#15
Benzyl Alcohol
Concen: 37.995 ng
RT: 8.445 min Scan# 91
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 79 Resp: 9525

Ion	Ratio	Lower	Upper
79	100		
108	70.7	58.1	87.1
77	64.5	52.8	79.2



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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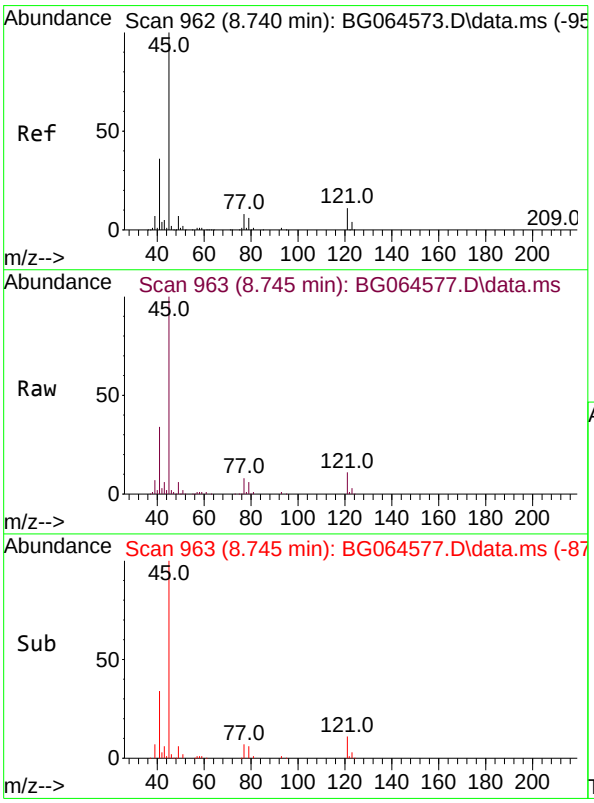
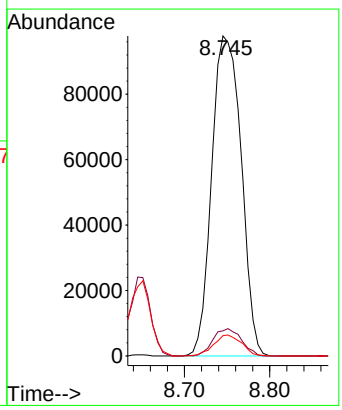
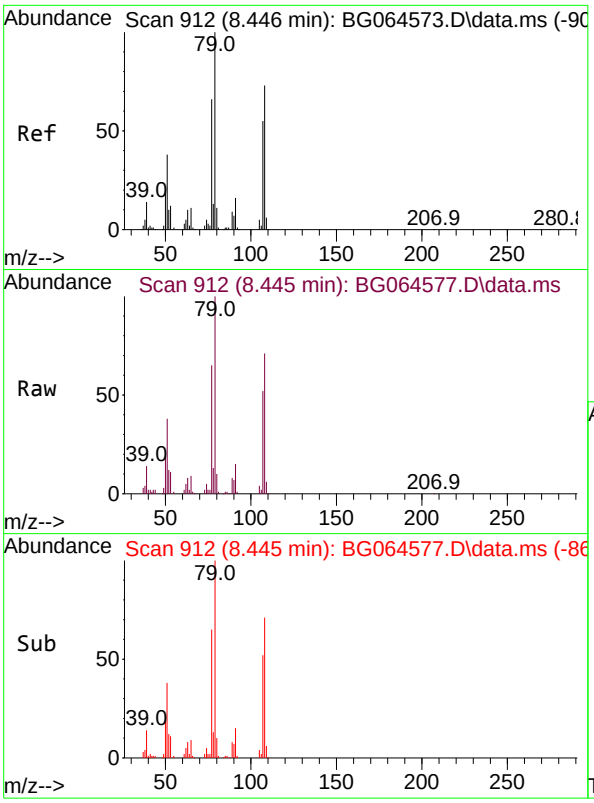


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.163 ng
RT: 8.745 min Scan# 963
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 45 Resp: 234476

Ion	Ratio	Lower	Upper
45	100		
77	7.8	0.0	28.5
79	6.3	0.0	25.6

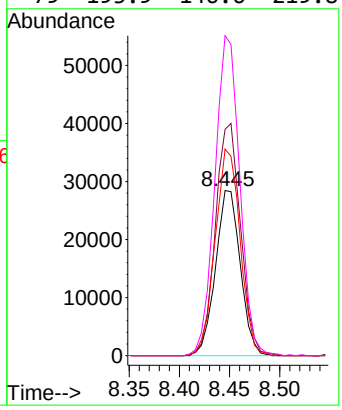




#17
2-Methylphenol
Concen: 38.945 ng
RT: 8.445 min Scan# 91
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:107 Resp: 4880

Ion	Ratio	Lower	Upper
107	100		
108	137.1	106.4	159.6
77	125.1	96.7	145.1
79	193.9	146.6	219.8



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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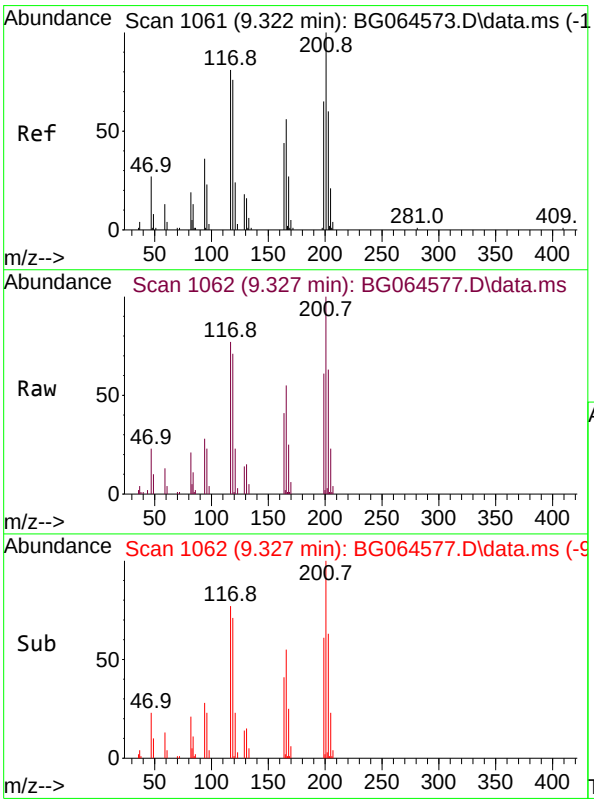
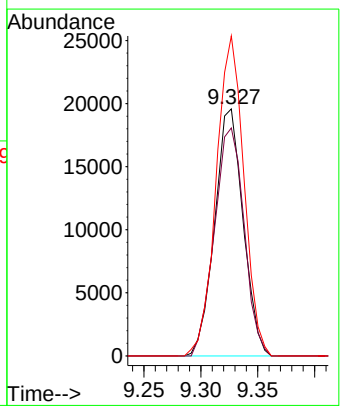
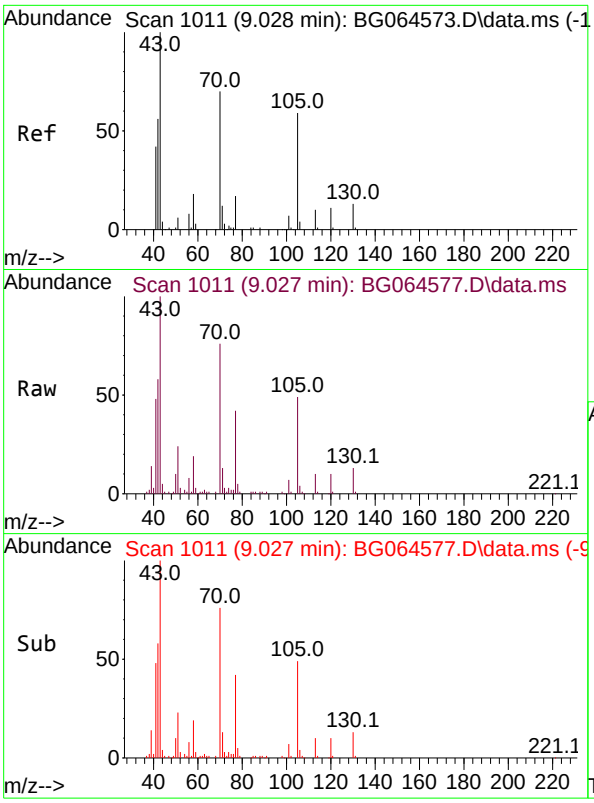


#18
Hexachloroethane
Concen: 35.743 ng
RT: 9.327 min Scan# 1062
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:117 Resp: 34040

Ion	Ratio	Lower	Upper
117	100		
119	92.3	75.4	113.2
201	129.6	99.2	148.8

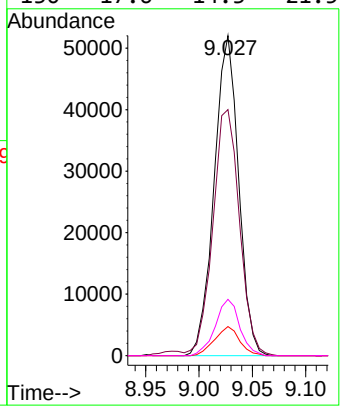




#19
n-Nitroso-di-n-propylamine
Concen: 39.572 ng
RT: 9.027 min Scan# 10
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 70 Resp: 8314

Ion	Ratio	Lower	Upper
70	100		
42	76.9	65.2	97.8
101	9.1	7.9	11.9
130	17.6	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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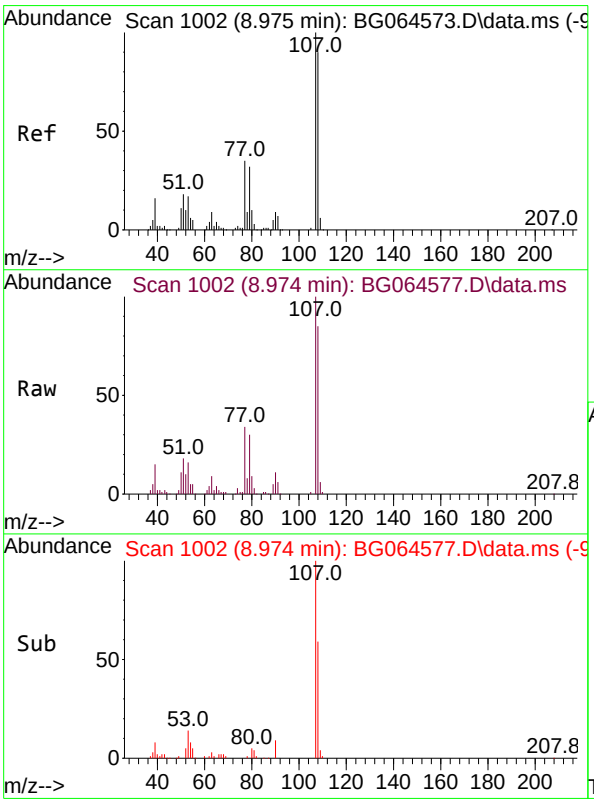
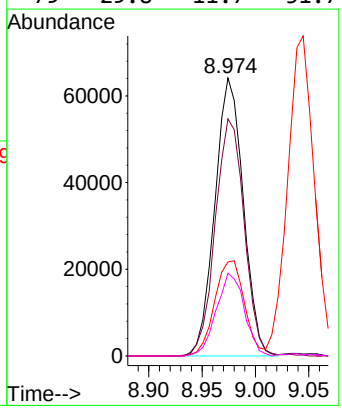
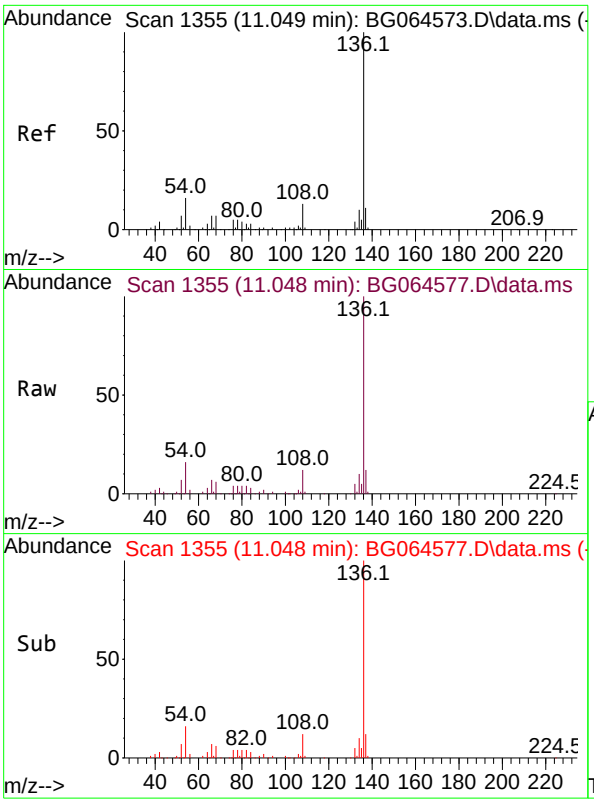


#20
3+4-Methylphenols
Concen: 37.882 ng
RT: 8.974 min Scan# 1002
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:107 Resp: 118917

Ion	Ratio	Lower	Upper
107	100		
108	85.3	70.3	110.3
77	33.8	14.6	54.6
79	29.8	11.7	51.7

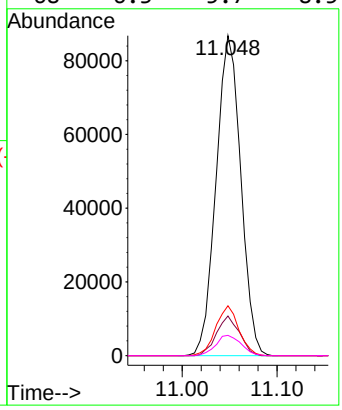




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.048 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:136 Resp: 15712

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.2	13.8
54	15.6	12.6	19.0
68	6.3	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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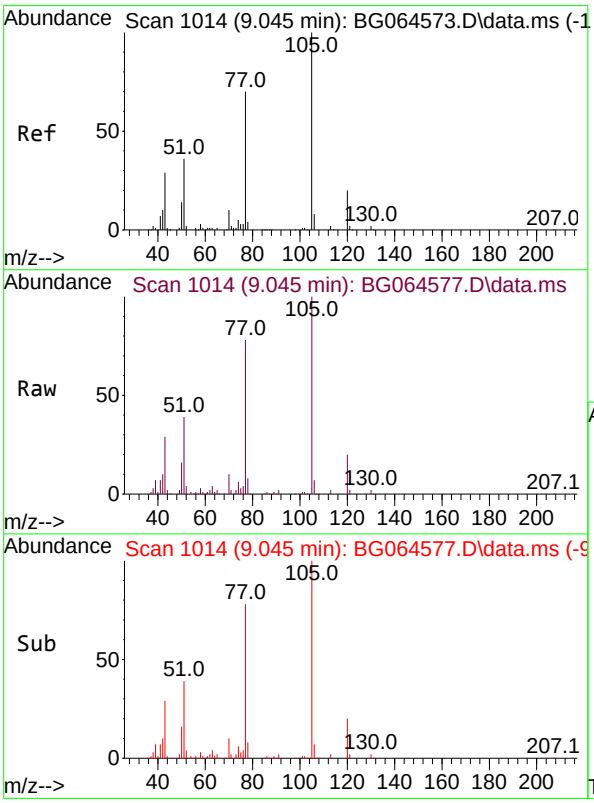
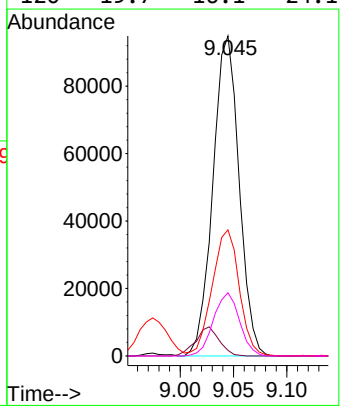
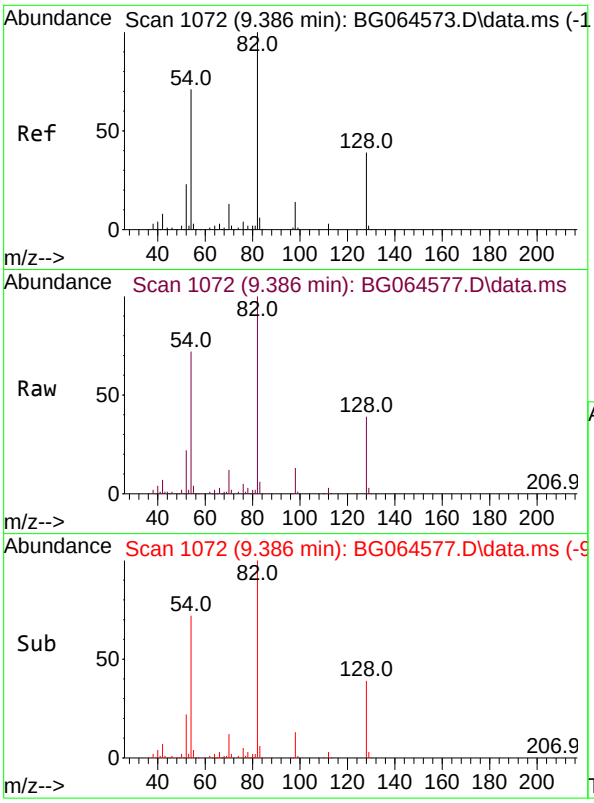


#22
Acetophenone
Concen: 37.806 ng
RT: 9.045 min Scan# 1014
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:105 Resp: 162385

Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.5	2.3
51	39.4	33.7	50.5
120	19.7	16.1	24.1

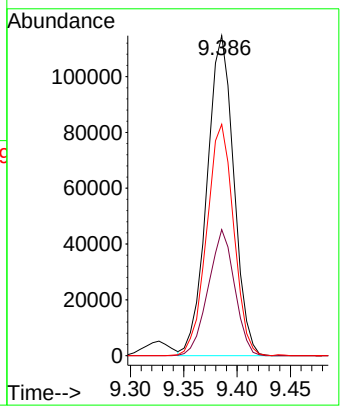




#23
Nitrobenzene-d5
Concen: 76.738 ng
RT: 9.386 min Scan# 10
Delta R.T. -0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 82 Resp: 20074

Ion	Ratio	Lower	Upper
82	100		
128	39.4	31.3	46.9
54	72.3	56.6	84.8



Instrument :
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ClientSampleId :
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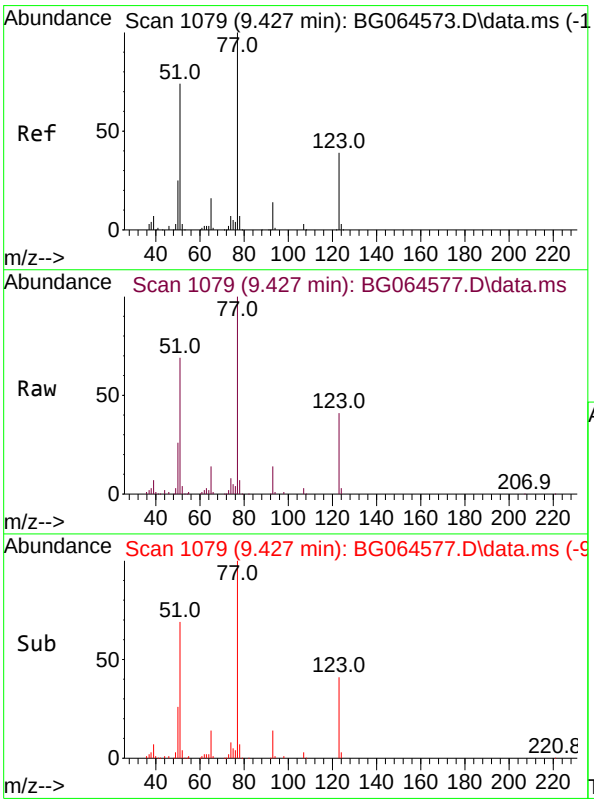
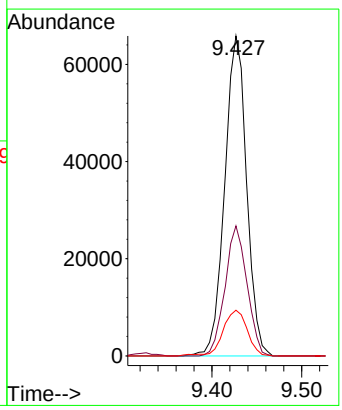
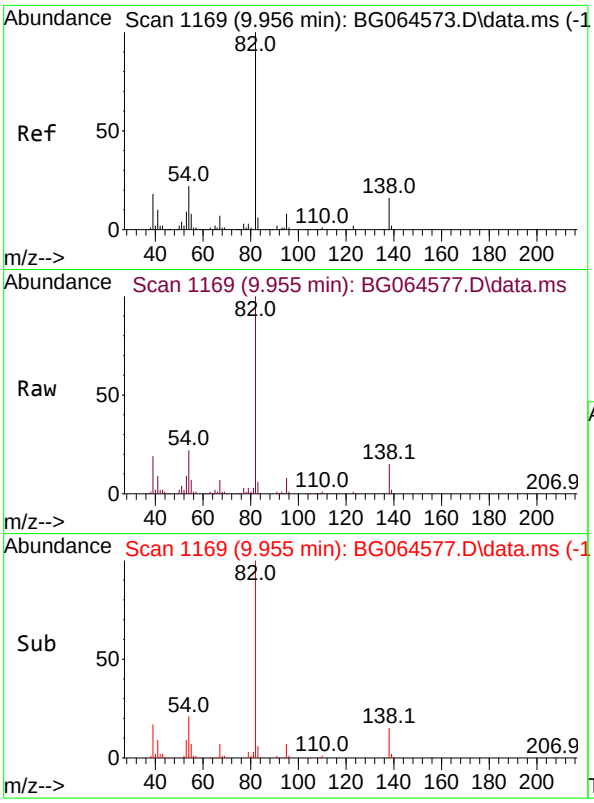


#24
Nitrobenzene
Concen: 39.305 ng
RT: 9.427 min Scan# 1079
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 77 Resp: 111836

Ion	Ratio	Lower	Upper
77	100		
123	40.6	31.0	46.6
65	14.3	12.7	19.1

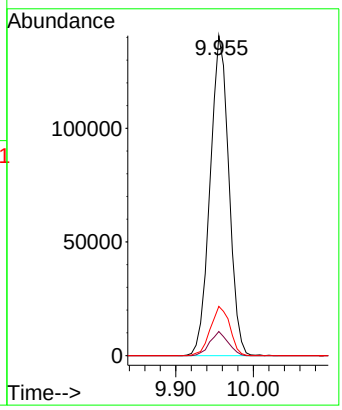




#25
Isophorone
Concen: 37.733 ng
RT: 9.955 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 82 Resp: 23686

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.1	9.1
138	15.4	13.0	19.4



Instrument :
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ClientSampleId :
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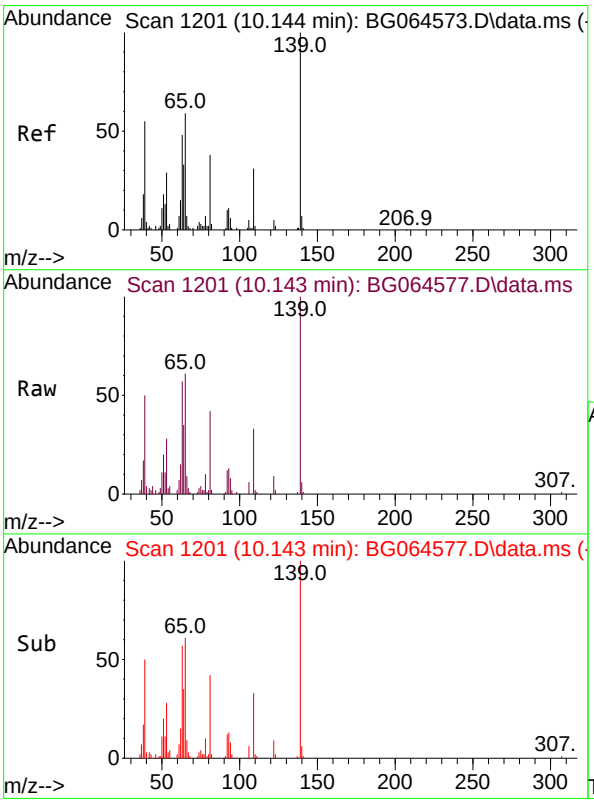
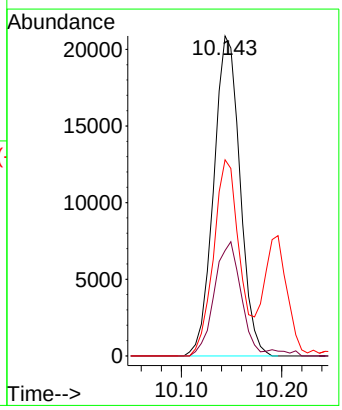
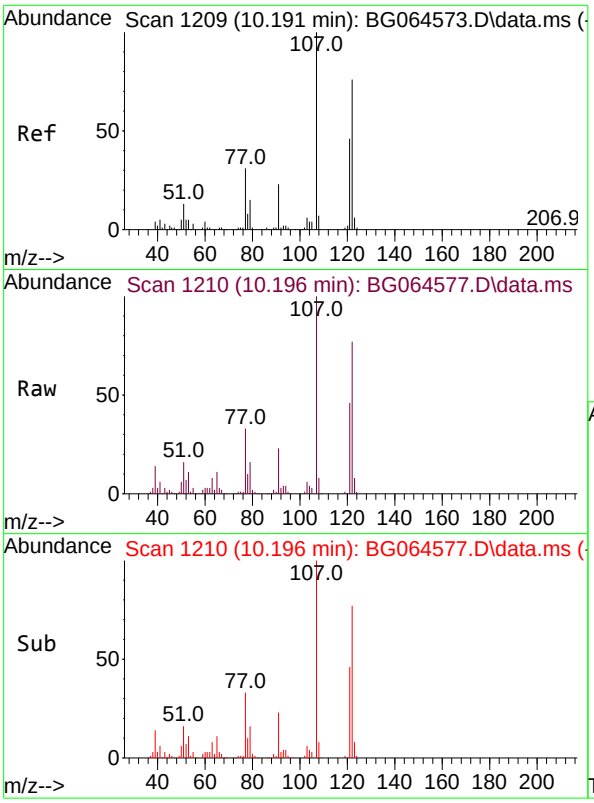


#26
2-Nitrophenol
Concen: 35.498 ng
RT: 10.143 min Scan# 1201
Delta R.T. -0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:139 Resp: 38013

Ion	Ratio	Lower	Upper
139	100		
109	32.9	24.6	37.0
65	61.3	47.5	71.3

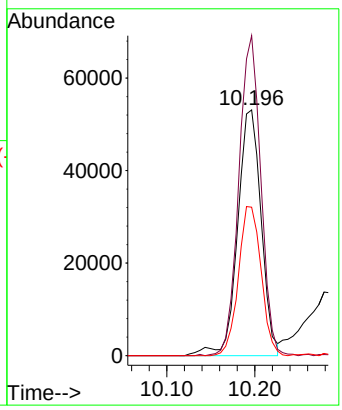




#27
2,4-Dimethylphenol
Concen: 41.336 ng m
RT: 10.196 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:122 Resp: 9845

Ion	Ratio	Lower	Upper
122	100		
107	130.3	103.0	154.4
121	60.4	47.8	71.8



Instrument :
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ClientSampleId :
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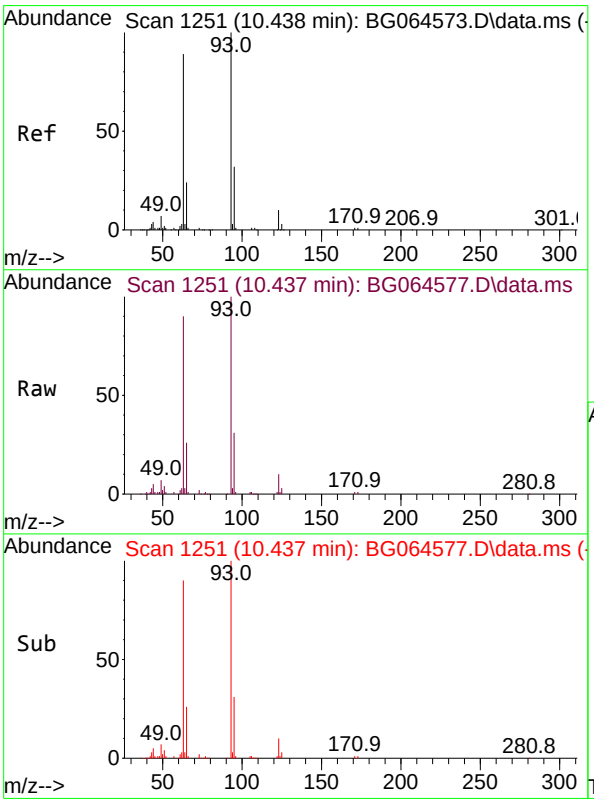
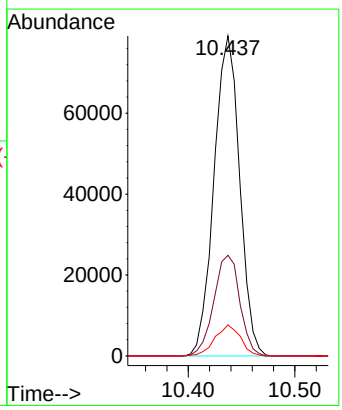
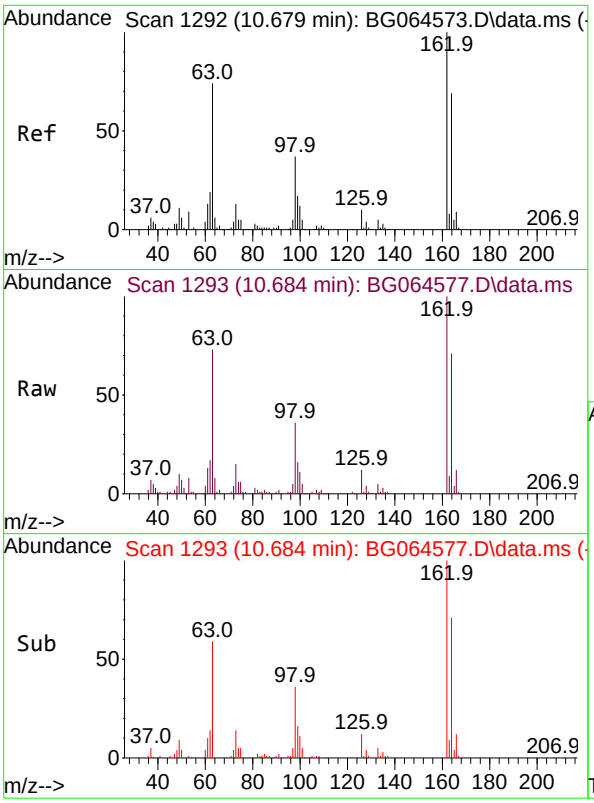


#28
bis(2-Chloroethoxy)methane
Concen: 36.953 ng
RT: 10.437 min Scan# 1251
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 93 Resp: 132072

Ion	Ratio	Lower	Upper
93	100		
95	31.4	25.4	38.2
123	9.7	8.4	12.6

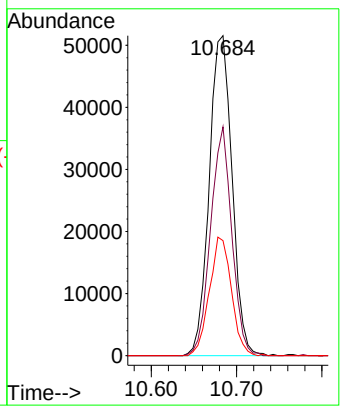




#29
2,4-Dichlorophenol
Concen: 38.190 ng
RT: 10.684 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:162 Resp: 9596

Ion	Ratio	Lower	Upper
162	100		
164	71.5	48.7	88.7
98	35.9	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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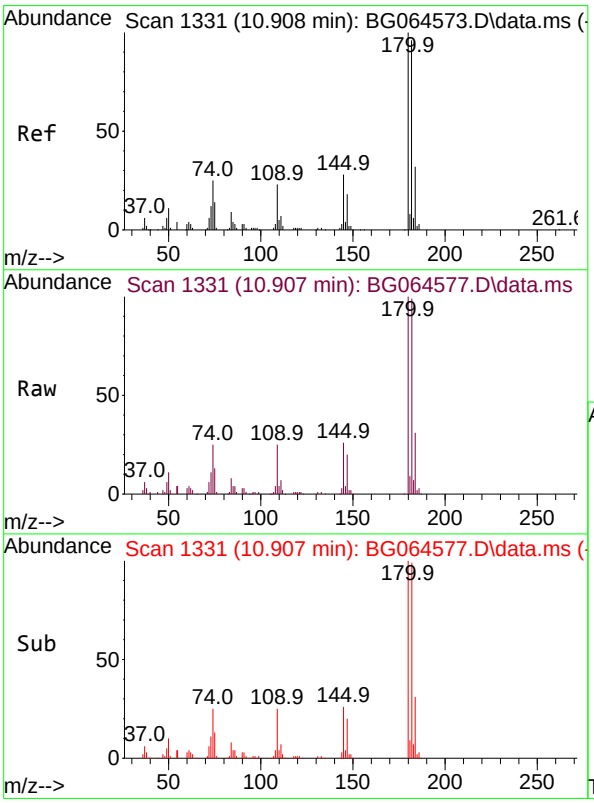
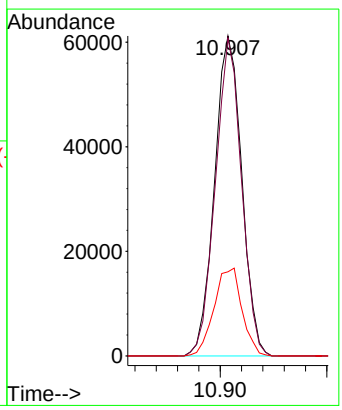
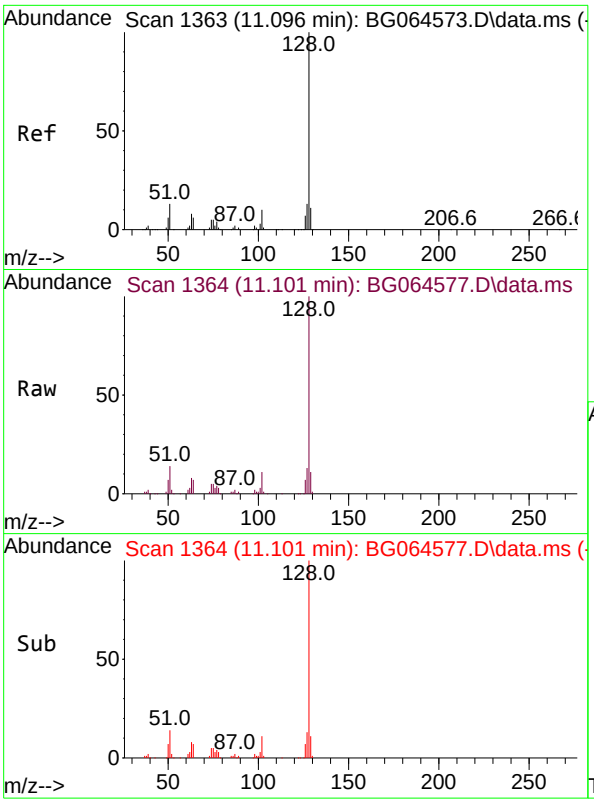


#30
1,2,4-Trichlorobenzene
Concen: 37.945 ng
RT: 10.907 min Scan# 1331
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:180 Resp: 108339

Ion	Ratio	Lower	Upper
180	100		
182	99.3	76.9	115.3
145	26.3	22.1	33.1

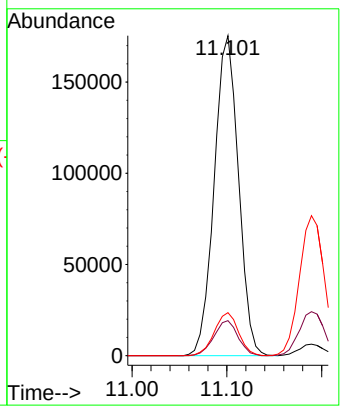




#31
Naphthalene
Concen: 35.709 ng
RT: 11.101 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:128 Resp: 31108

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.4	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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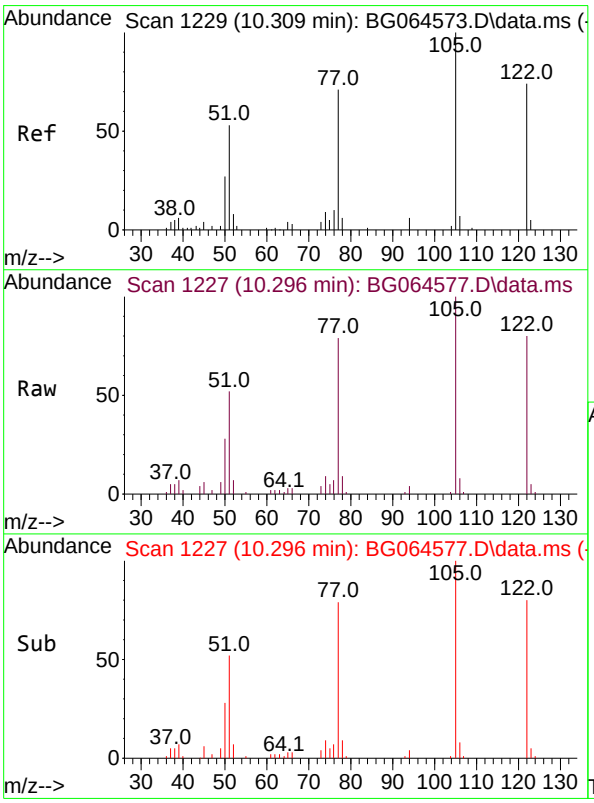
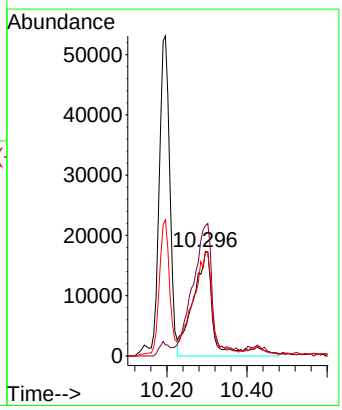
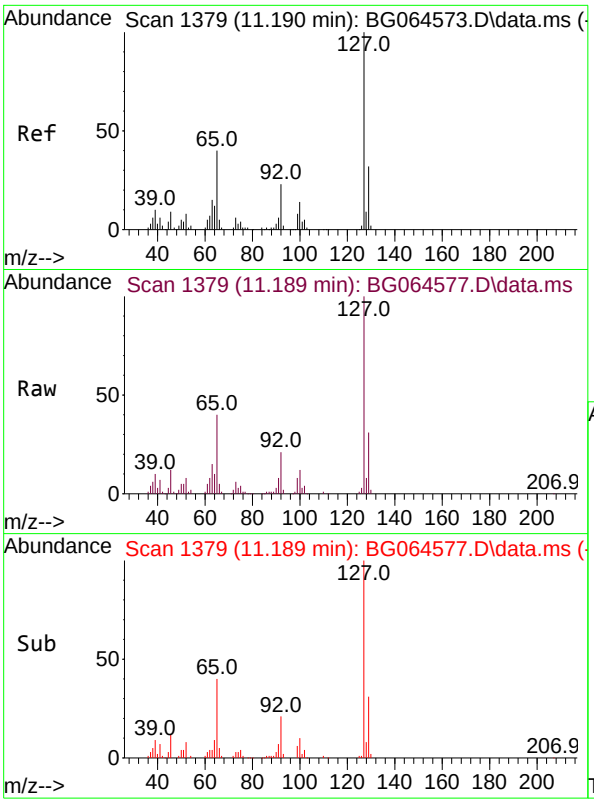


#32
Benzoic acid
Concen: 37.924 ng m
RT: 10.296 min Scan# 1227
Delta R.T. -0.046 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:122 Resp: 62191

Ion	Ratio	Lower	Upper
122	100		
105	124.6	104.2	144.2
77	98.8	70.2	110.2

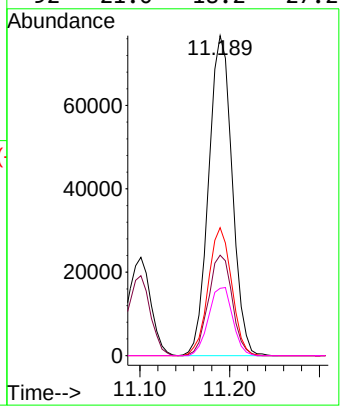




#33
4-Chloroaniline
Concen: 41.287 ng
RT: 11.189 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:127 Resp: 13979

Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.5	38.3
65	40.0	32.2	48.4
92	21.0	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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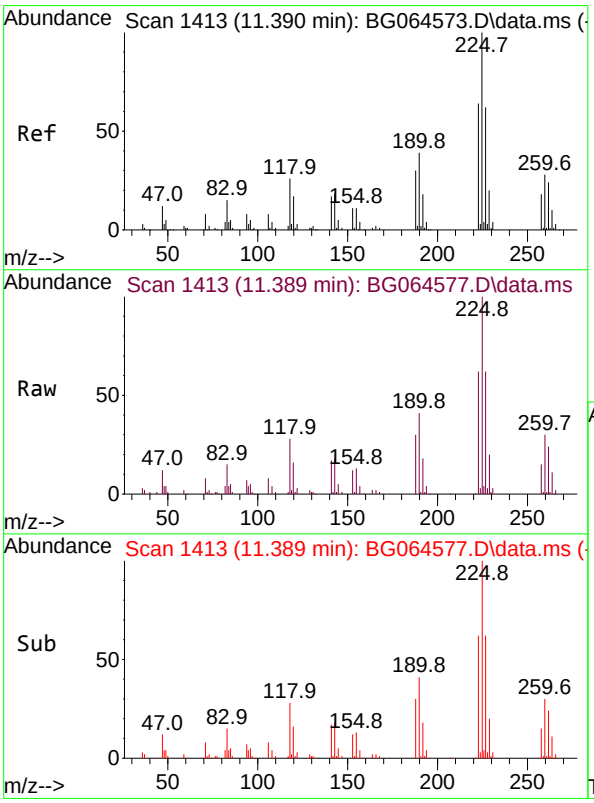
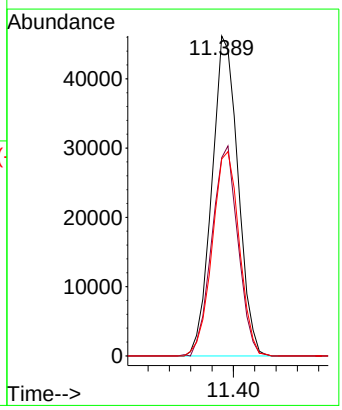
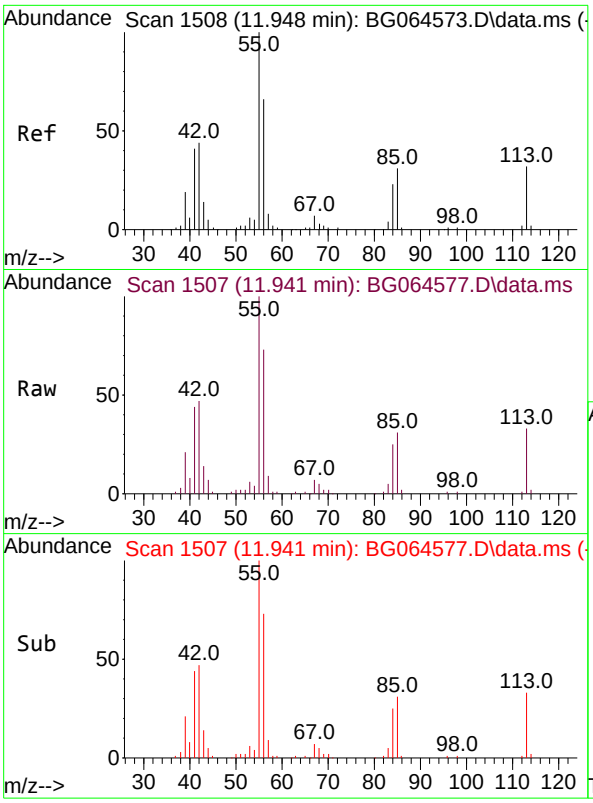


#34
Hexachlorobutadiene
Concen: 35.242 ng
RT: 11.389 min Scan# 1413
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:225 Resp: 78691

Ion	Ratio	Lower	Upper
225	100		
223	59.7	48.8	73.2
227	59.3	49.5	74.3

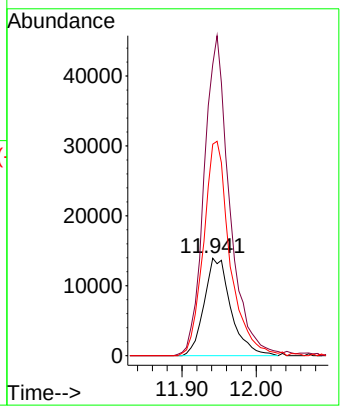




#35
Caprolactam
Concen: 36.326 ng
RT: 11.941 min Scan# 1
Delta R.T. -0.034 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:113 Resp: 3501

Ion	Ratio	Lower	Upper
113	100		
55	299.0	290.1	330.1
56	217.0	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
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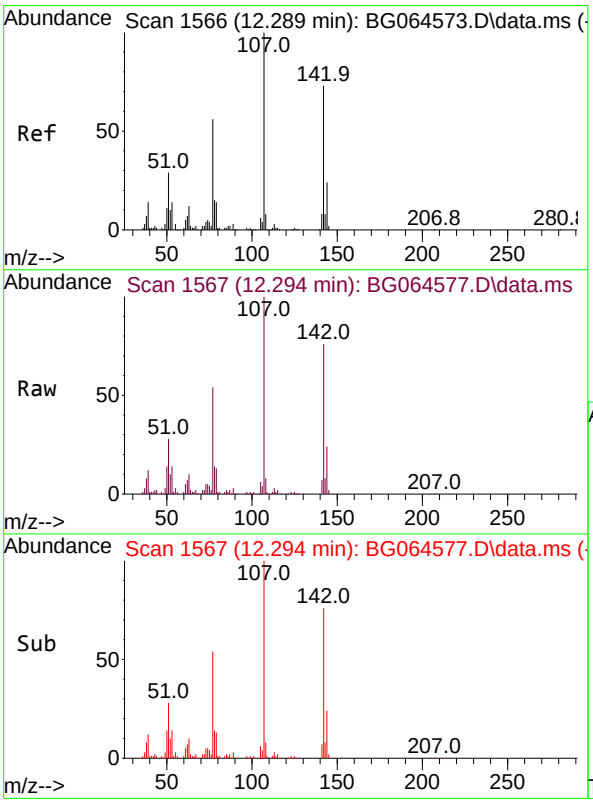
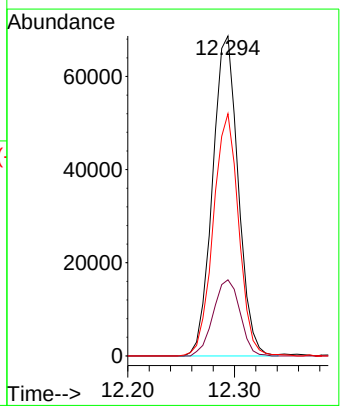
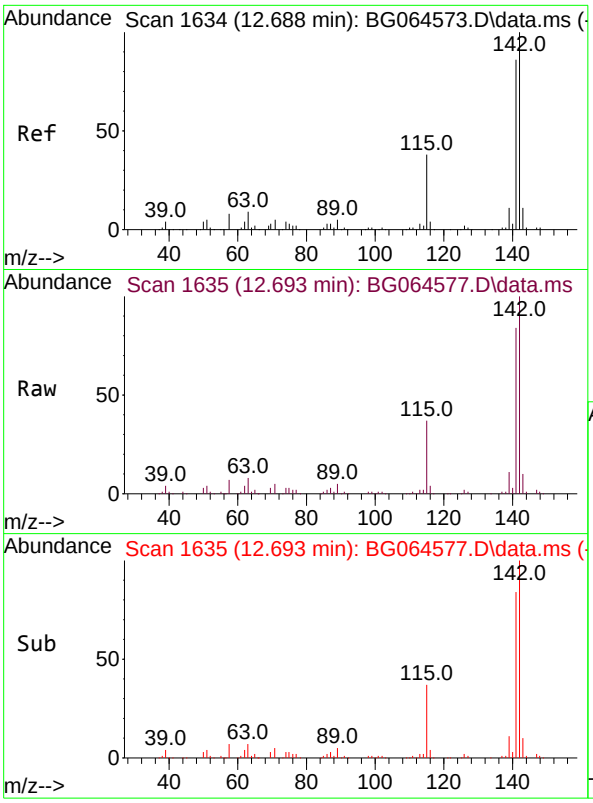


#36
4-Chloro-3-methylphenol
Concen: 38.049 ng
RT: 12.294 min Scan# 1567
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:107 Resp: 114927

Ion	Ratio	Lower	Upper
107	100		
144	23.8	19.1	28.7
142	75.7	58.6	87.8

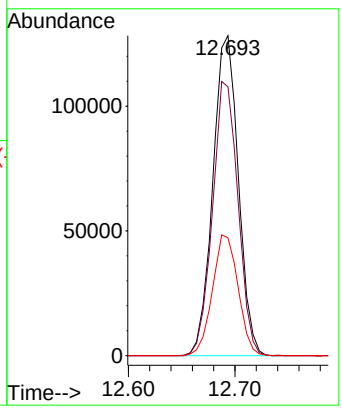




#37
2-Methylnaphthalene
Concen: 33.388 ng
RT: 12.693 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:142 Resp: 21354

Ion	Ratio	Lower	Upper
142	100		
141	84.0	68.9	103.3
115	36.8	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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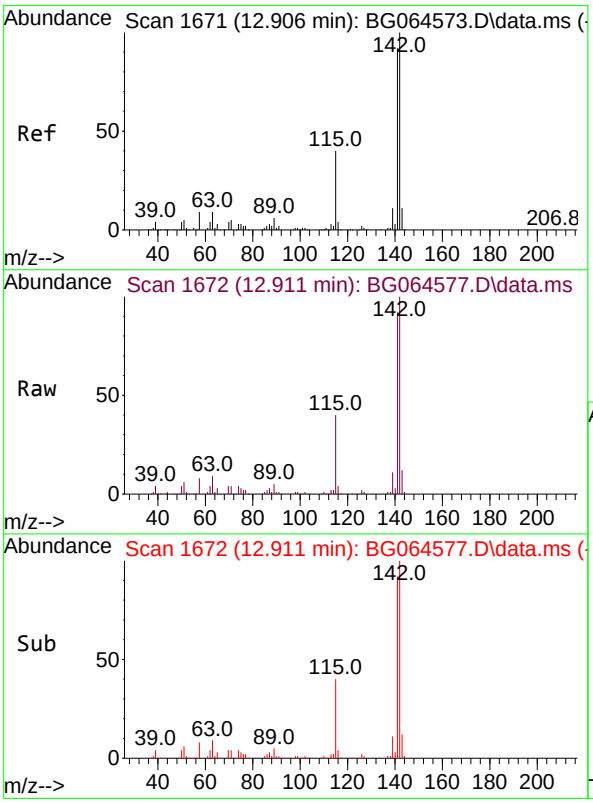
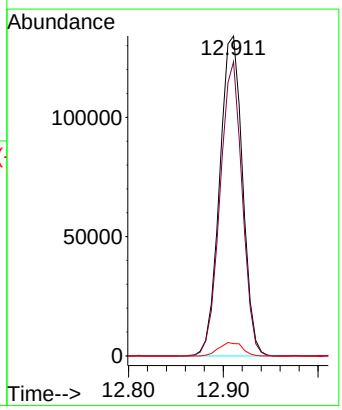
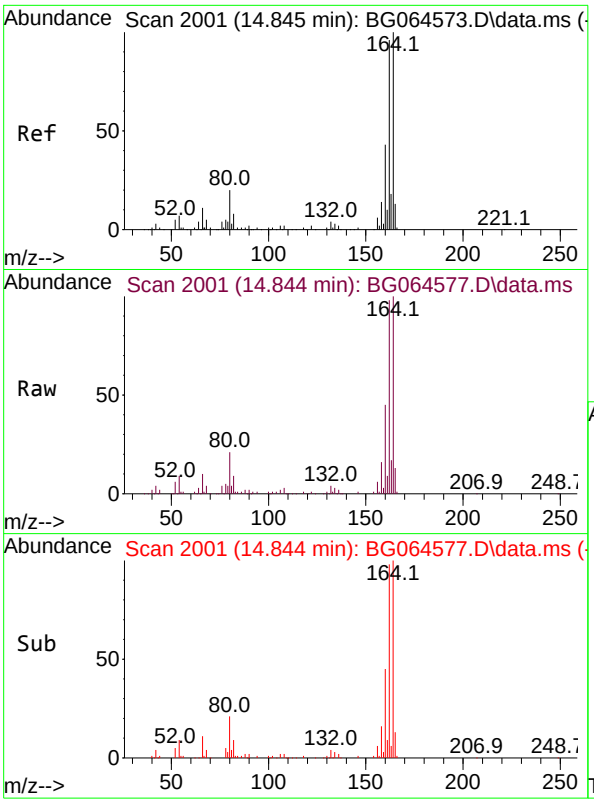


#38
1-Methylnaphthalene
Concen: 35.729 ng
RT: 12.911 min Scan# 1672
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:142 Resp: 224857

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.3	109.9
116	3.8	3.1	4.7

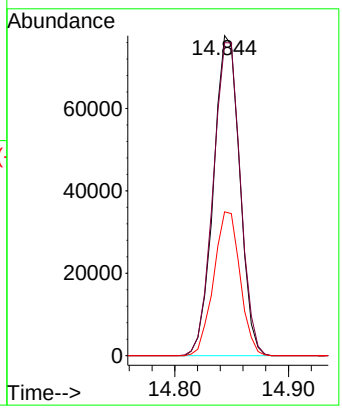




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.844 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:164 Resp: 12420

Ion	Ratio	Lower	Upper
164	100		
162	97.8	77.0	115.6
160	44.9	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
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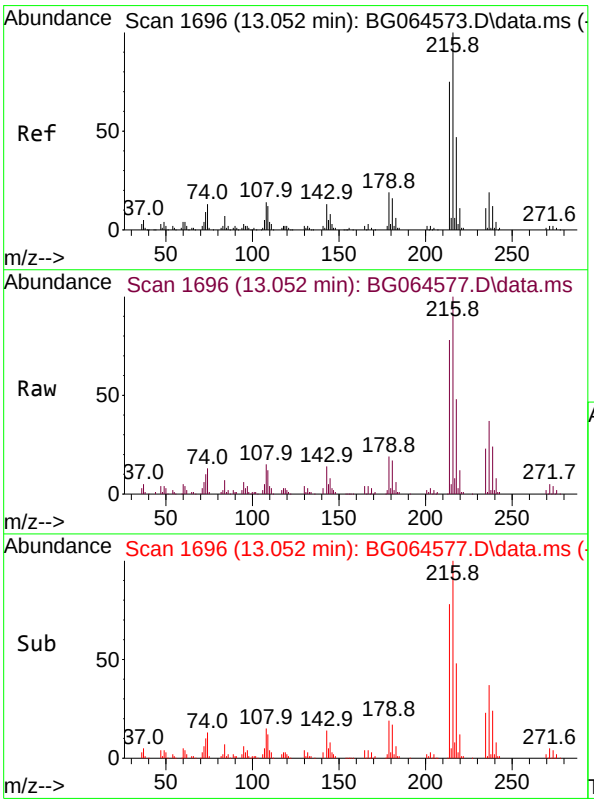
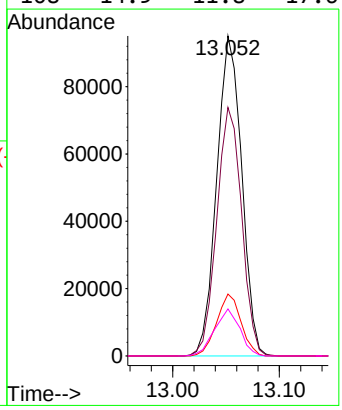
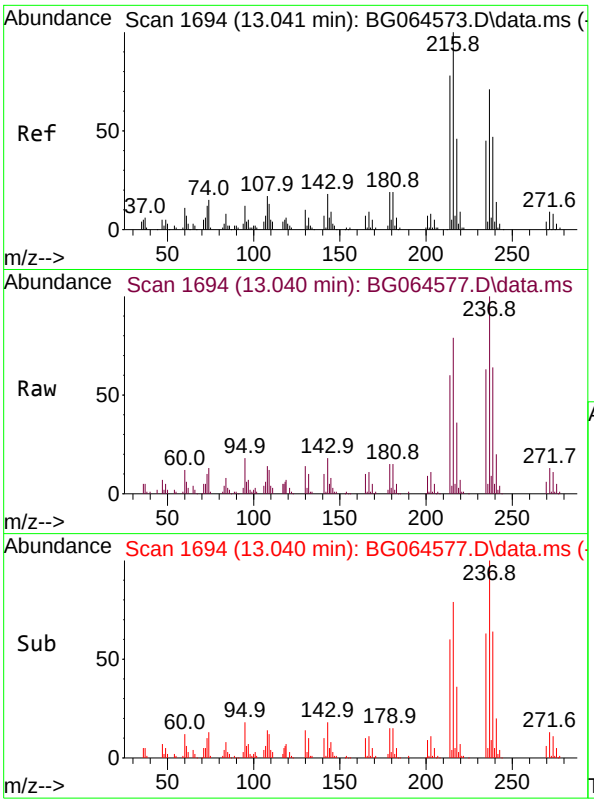


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.146 ng
RT: 13.052 min Scan# 1696
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:216 Resp: 154838

Ion	Ratio	Lower	Upper
216	100		
214	77.4	61.4	92.2
179	18.9	15.4	23.0
108	14.9	11.8	17.6





#41
Hexachlorocyclopentadiene
Concen: 50.669 ng
RT: 13.040 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:237 Resp: 9506

Ion	Ratio	Lower	Upper
237	100		
235	62.9	44.1	84.1
272	13.5	0.0	32.4

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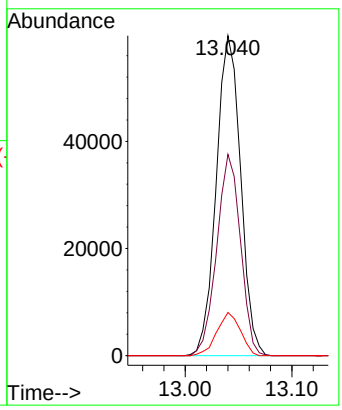
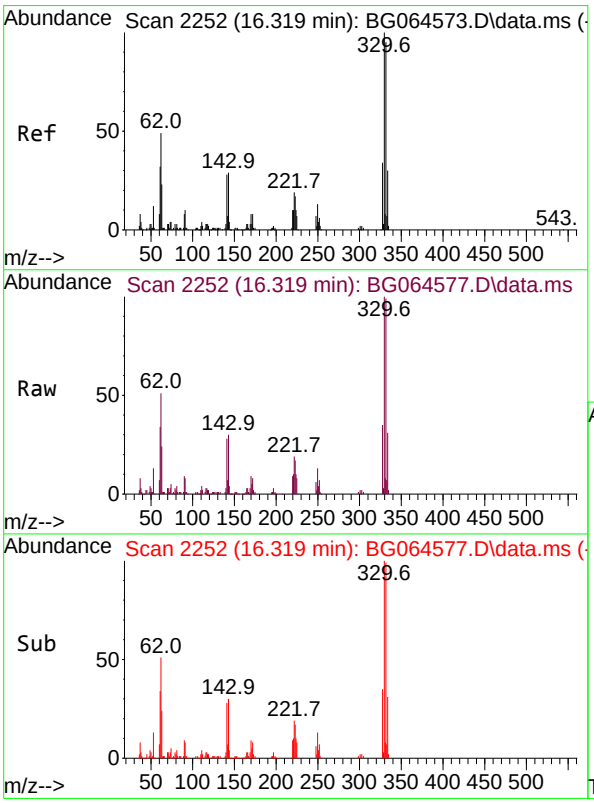
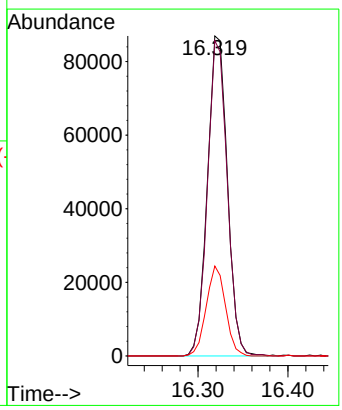


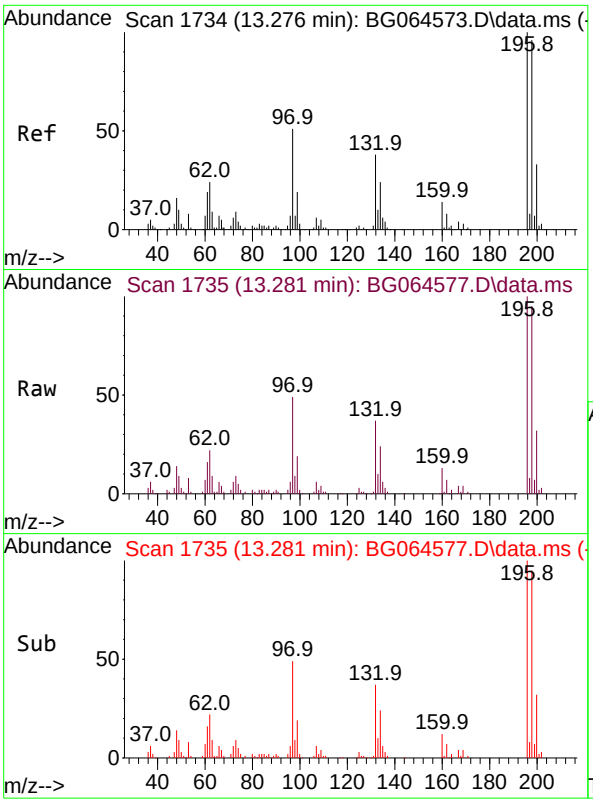


#42
2,4,6-Tribromophenol
Concen: 75.074 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:330 Resp: 134578

Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.0	117.0
141	27.0	21.8	32.6

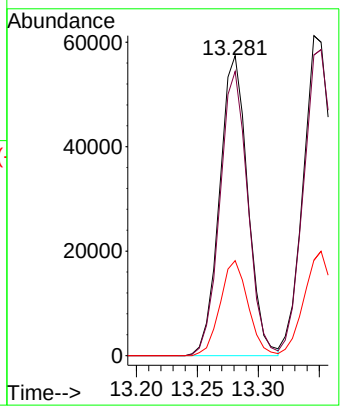




#43
2,4,6-Trichlorophenol
Concen: 38.726 ng
RT: 13.281 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:196 Resp: 9233

Ion	Ratio	Lower	Upper
196	100		
198	94.8	76.6	115.0
200	31.7	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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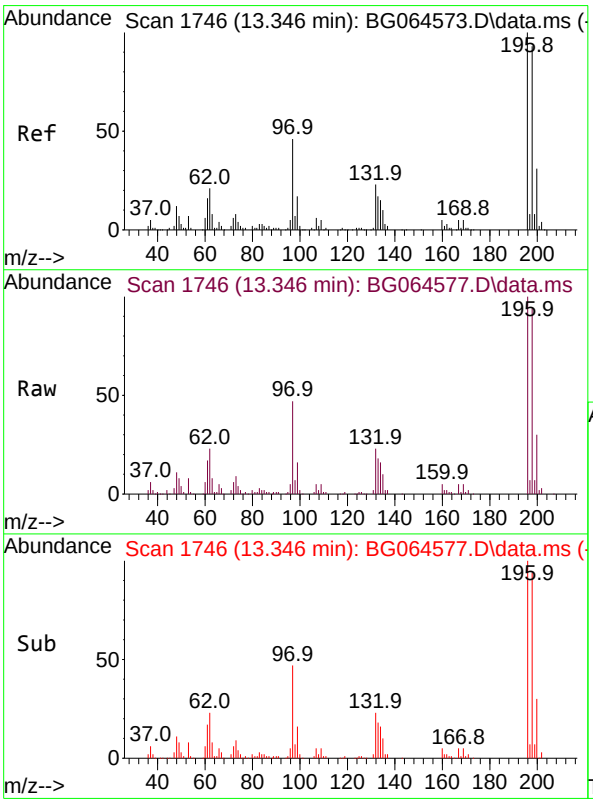
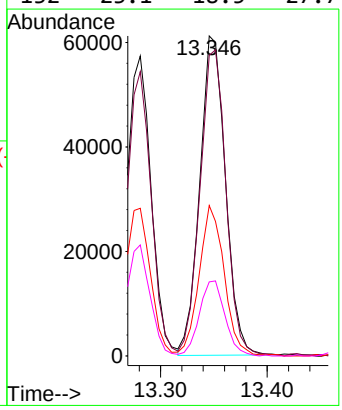
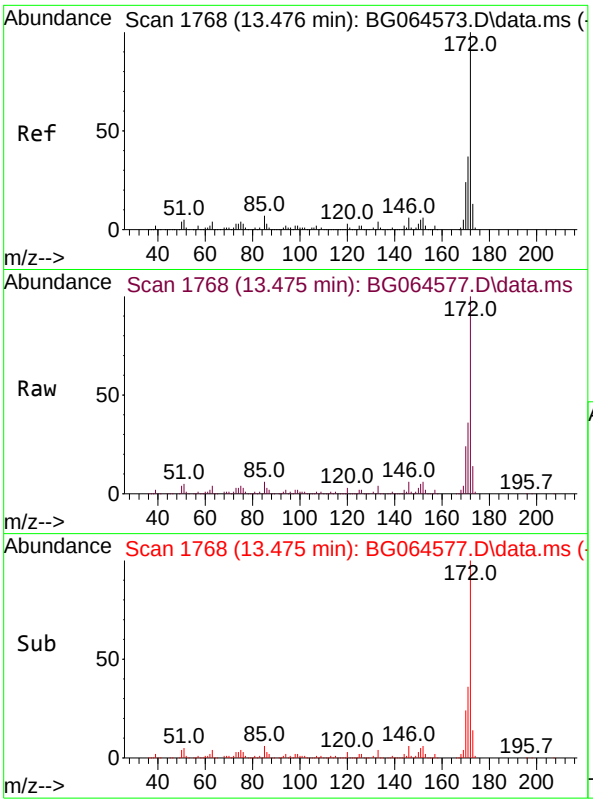


#44
2,4,5-Trichlorophenol
Concen: 37.228 ng
RT: 13.346 min Scan# 1746
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:196 Resp: 102433

Ion	Ratio	Lower	Upper
196	100		
198	93.9	74.2	111.4
97	47.0	37.0	55.6
132	23.1	18.5	27.7

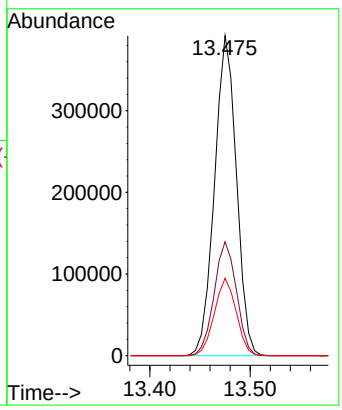




#45
2-Fluorobiphenyl
Concen: 72.599 ng
RT: 13.475 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:172 Resp: 59488

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	24.2	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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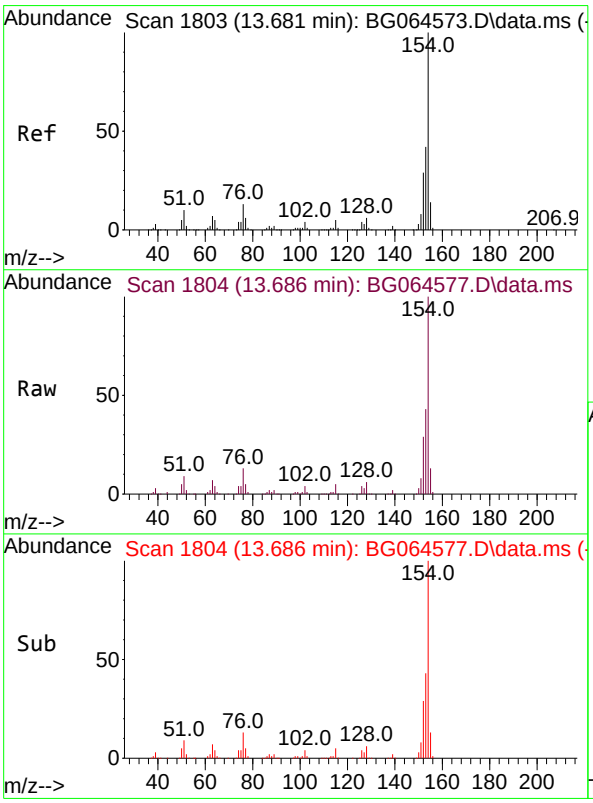
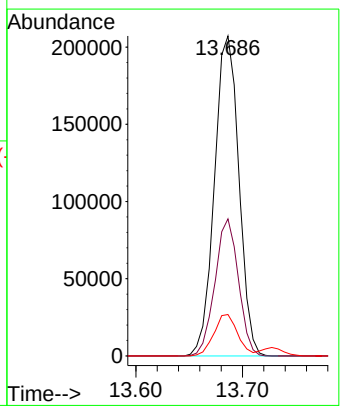
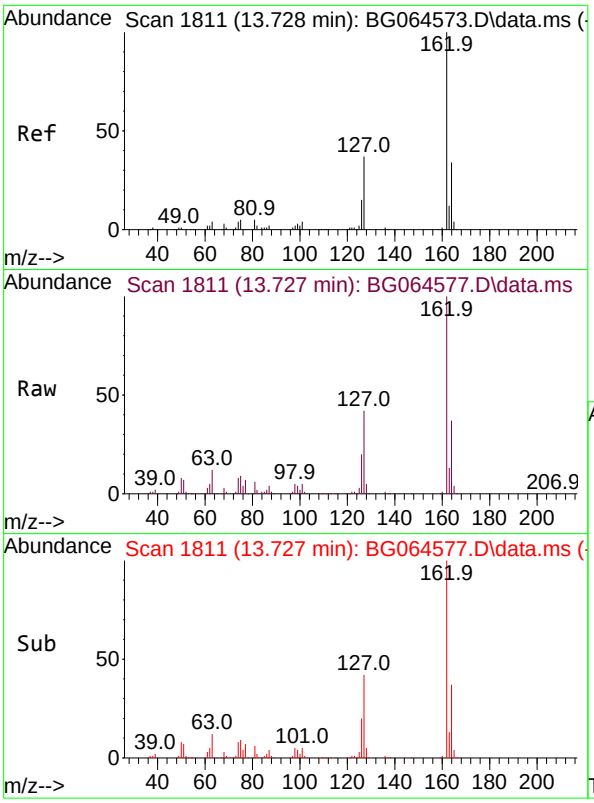


#46
1,1'-Biphenyl
Concen: 37.331 ng
RT: 13.686 min Scan# 1804
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:154 Resp: 329629

Ion	Ratio	Lower	Upper
154	100		
153	42.8	22.4	62.4
76	12.9	0.0	33.5





#47
2-Chloronaphthalene
Concen: 36.205 ng
RT: 13.727 min Scan# 18
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:162 Resp: 241311

Ion	Ratio	Lower	Upper
162	100		
127	41.5	32.2	48.2
164	36.6	27.5	41.3

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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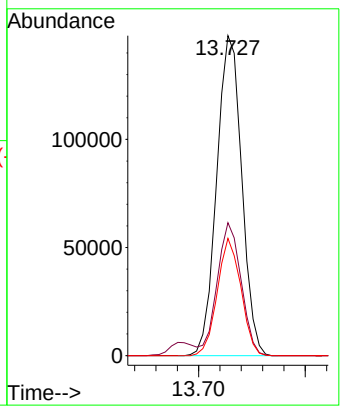
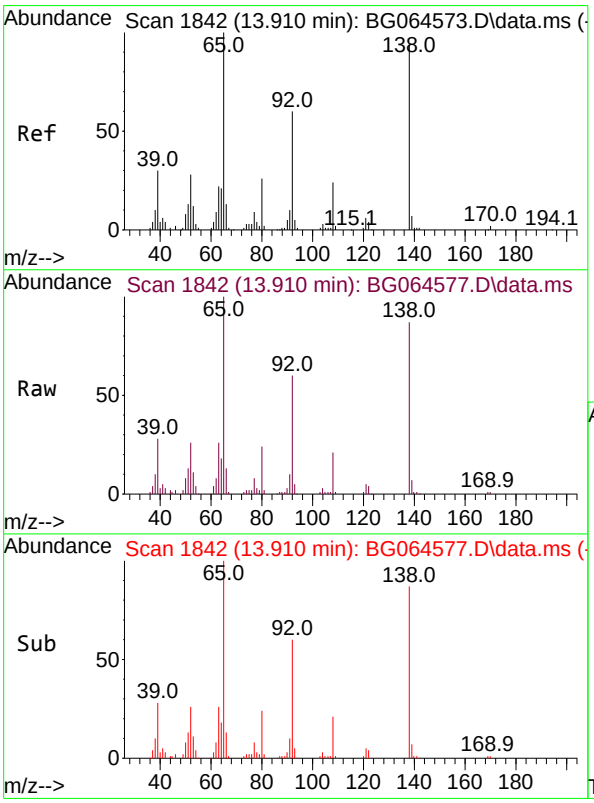
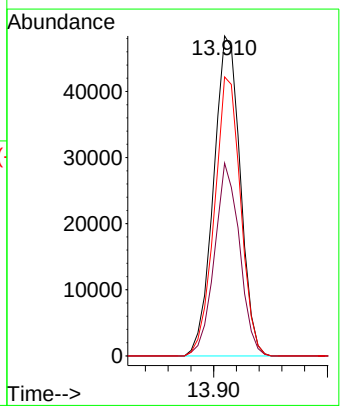


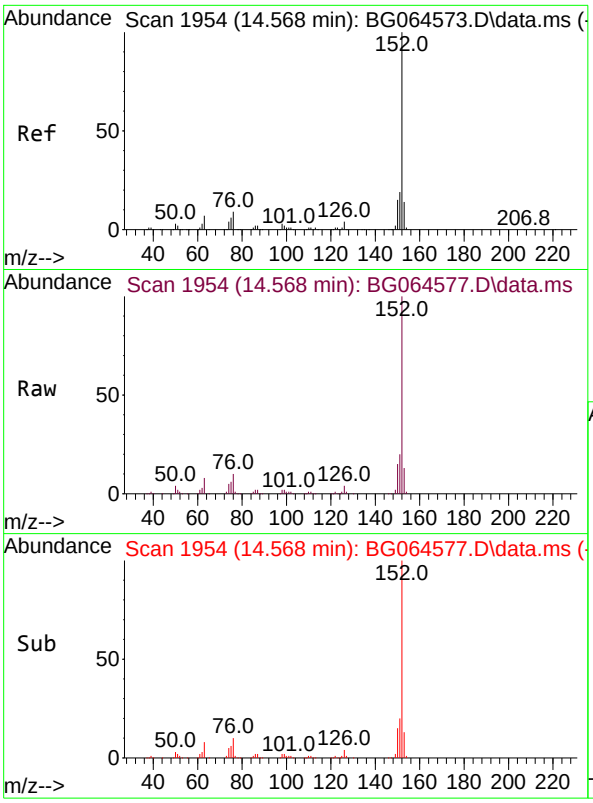


#48
2-Nitroaniline
Concen: 36.129 ng
RT: 13.910 min Scan# 1842
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 65 Resp: 78927

Ion	Ratio	Lower	Upper
65	100		
92	60.2	48.3	72.5
138	87.2	74.9	112.3

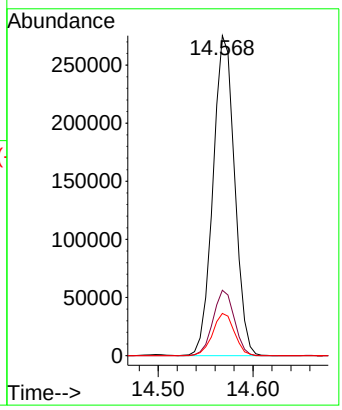




#49
Acenaphthylene
Concen: 41.457 ng
RT: 14.568 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:152 Resp: 43583

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.4	23.2
153	13.2	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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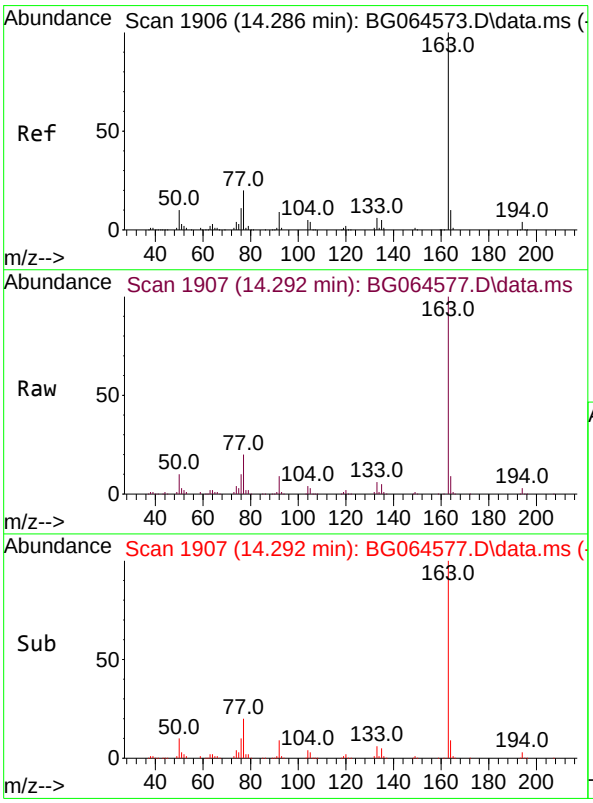
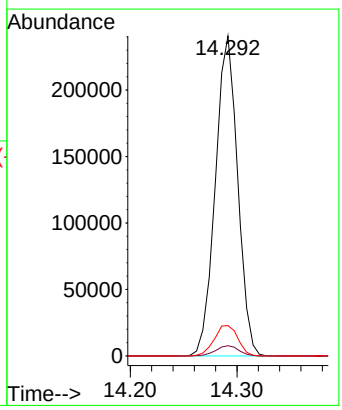
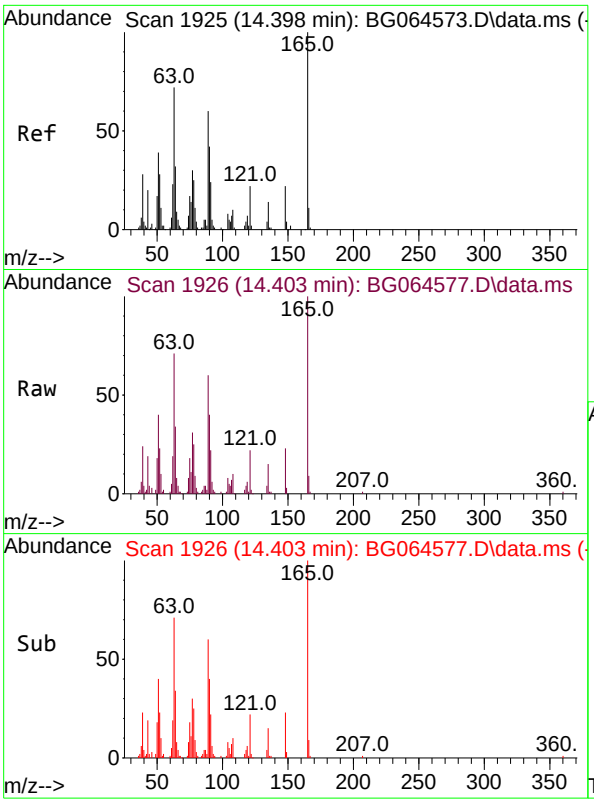


#50
Dimethylphthalate
Concen: 36.890 ng
RT: 14.292 min Scan# 1907
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:163 Resp: 350600

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	9.5	7.7	11.5

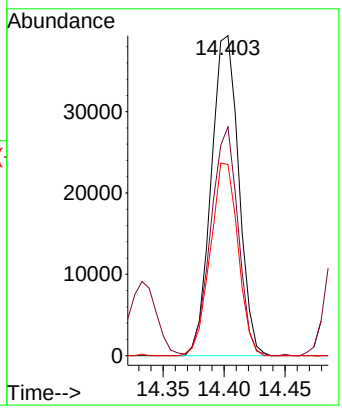




#51
2,6-Dinitrotoluene
Concen: 39.971 ng
RT: 14.403 min Scan# 19
Delta R.T. 0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:165 Resp: 6178

Ion	Ratio	Lower	Upper
165	100		
63	71.5	57.4	86.0
89	59.7	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
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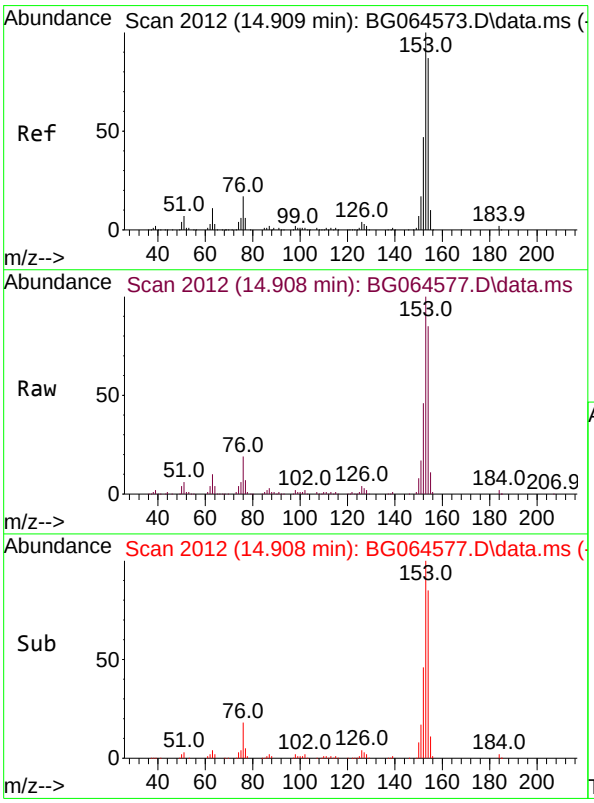
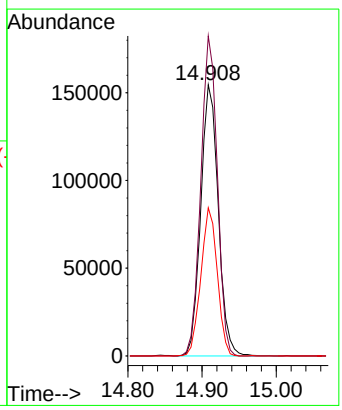
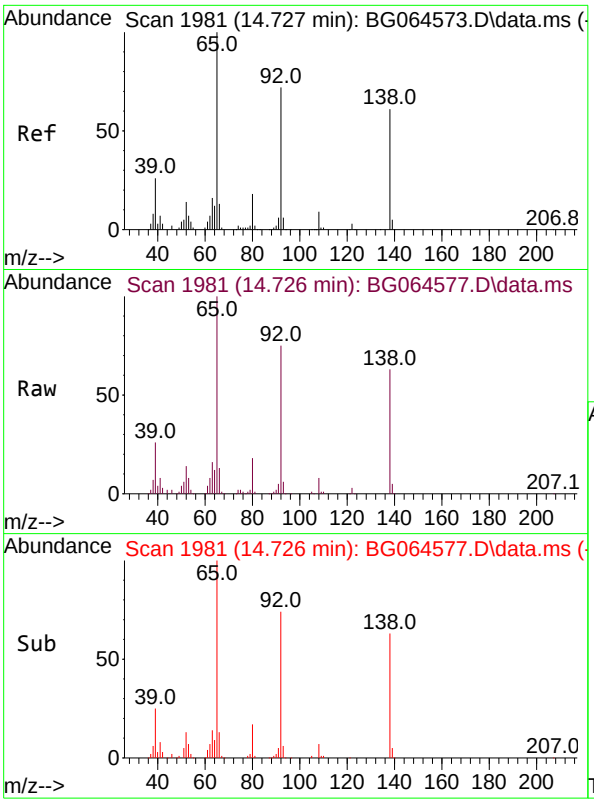


#52
Acenaphthene
Concen: 35.340 ng
RT: 14.908 min Scan# 2012
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:154 Resp: 253833

Ion	Ratio	Lower	Upper
154	100		
153	118.0	92.2	138.4
152	54.6	43.2	64.8

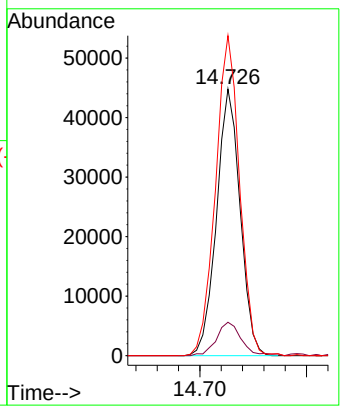




#53
3-Nitroaniline
Concen: 42.080 ng
RT: 14.726 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:138 Resp: 6872

Ion	Ratio	Lower	Upper
138	100		
108	12.5	11.4	17.0
92	120.1	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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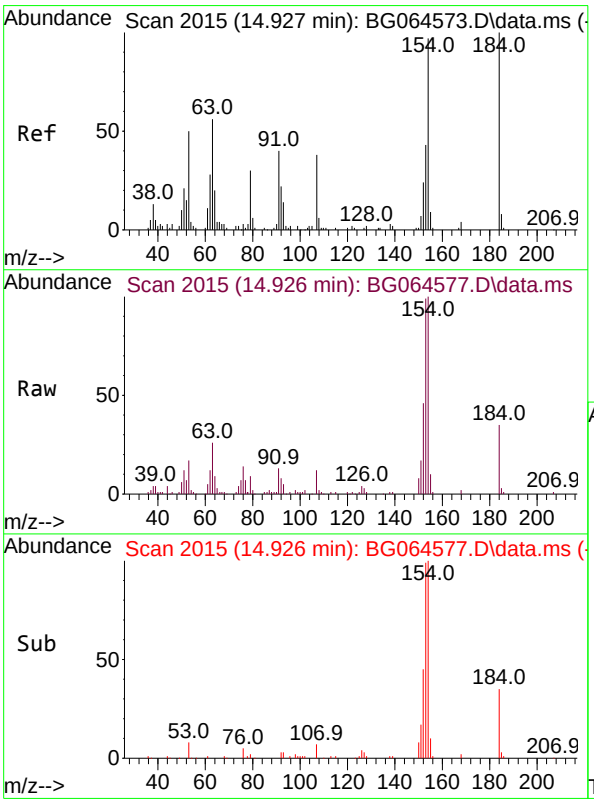
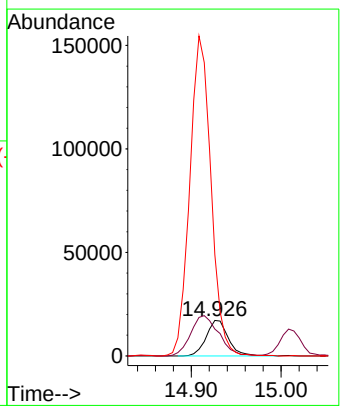
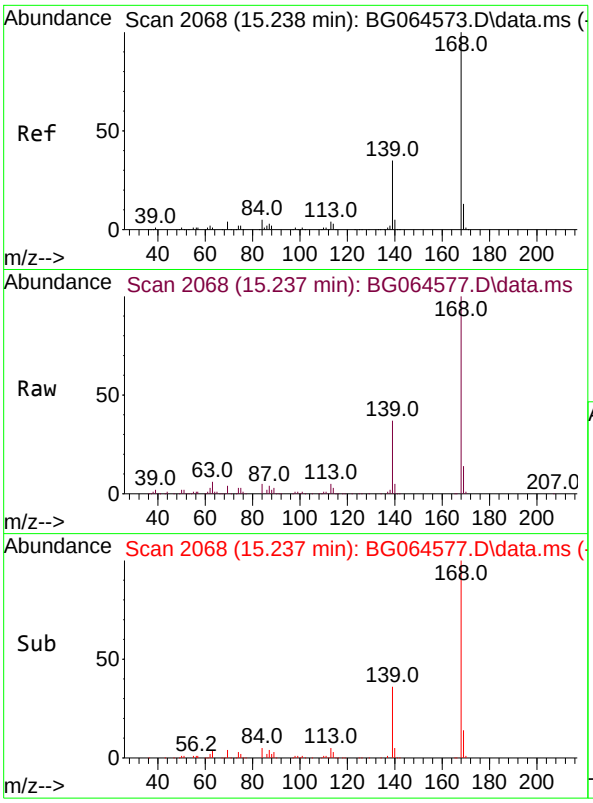


#54
2,4-Dinitrophenol
Concen: 33.991 ng
RT: 14.926 min Scan# 2015
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:184 Resp: 29394

Ion	Ratio	Lower	Upper
184	100		
63	75.8	56.6	85.0
154	285.9	158.6	238.0#





#55
Dibenzofuran
Concen: 36.096 ng
RT: 15.237 min Scan# 20
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:168 Resp: 41915

Ion	Ratio	Lower	Upper
168	100		
139	36.7	27.8	41.8
169	13.6	10.3	15.5

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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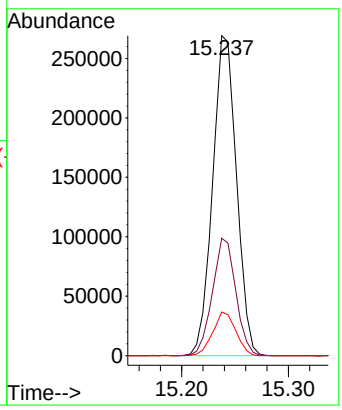
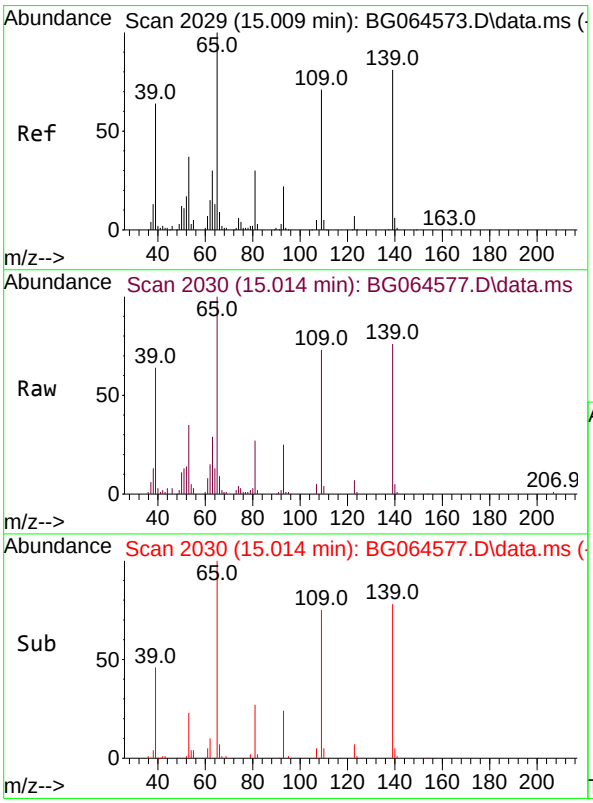
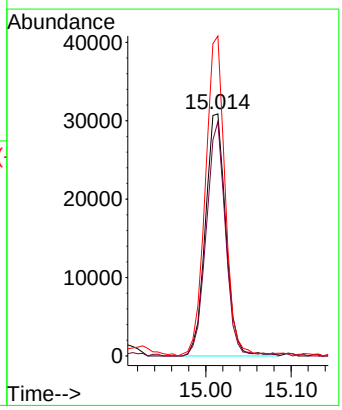


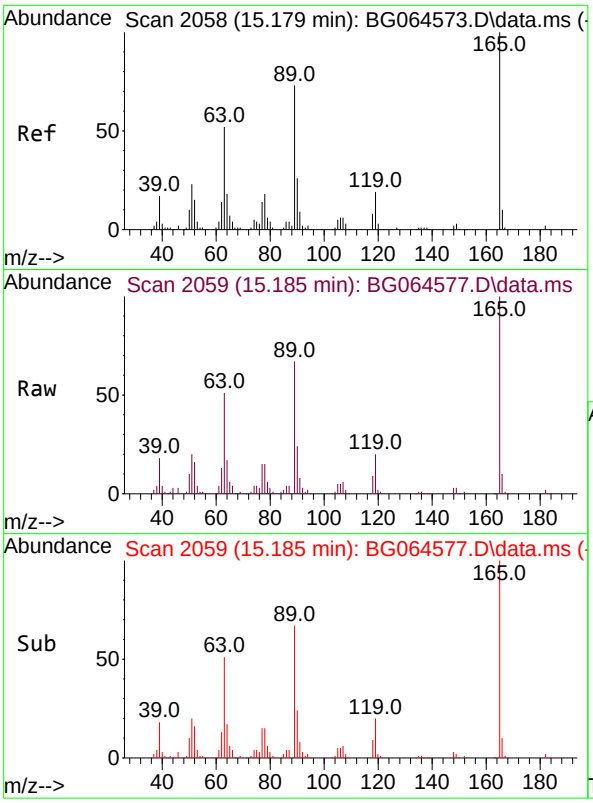


#56
4-Nitrophenol
Concen: 33.818 ng
RT: 15.014 min Scan# 2030
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:139 Resp: 51210

Ion	Ratio	Lower	Upper
139	100		
109	96.8	67.8	107.8
65	132.2	103.7	143.7

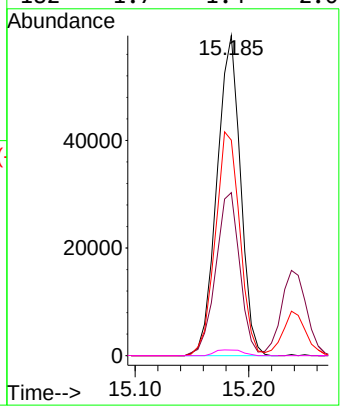




#57
2,4-Dinitrotoluene
Concen: 35.957 ng
RT: 15.185 min Scan# 20
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:165 Resp: 8520

Ion	Ratio	Lower	Upper
165	100		
63	50.9	41.8	62.8
89	67.3	58.1	87.1
182	1.7	1.4	2.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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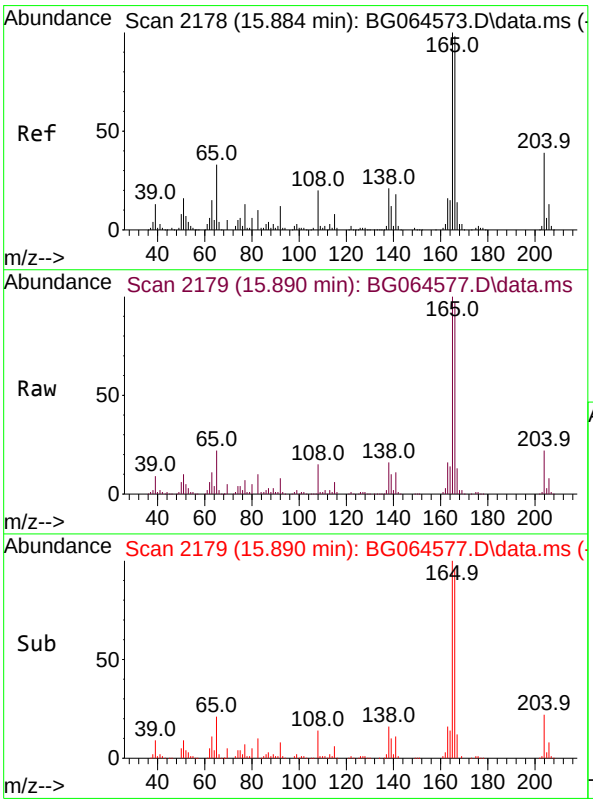
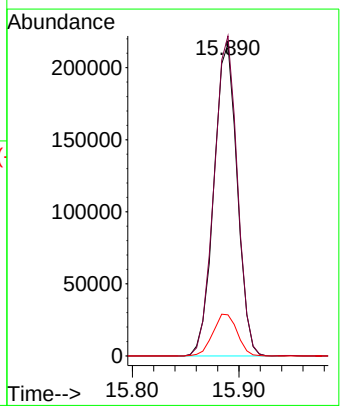
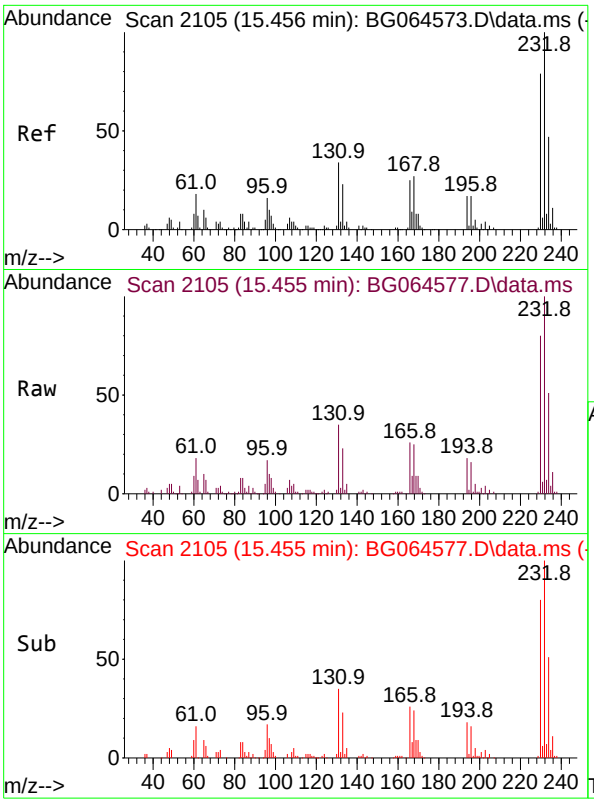


#58
Fluorene
Concen: 36.238 ng
RT: 15.890 min Scan# 2179
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:166 Resp: 328636

Ion	Ratio	Lower	Upper
166	100		
165	102.6	81.5	122.3
167	13.1	11.4	17.0

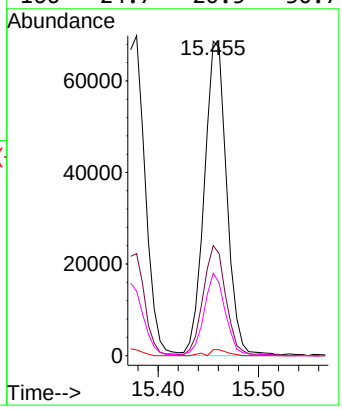




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.525 ng
RT: 15.455 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:232 Resp: 10662

Ion	Ratio	Lower	Upper
232	100		
131	35.6	26.7	40.1
130	1.7	1.6	2.4
166	24.7	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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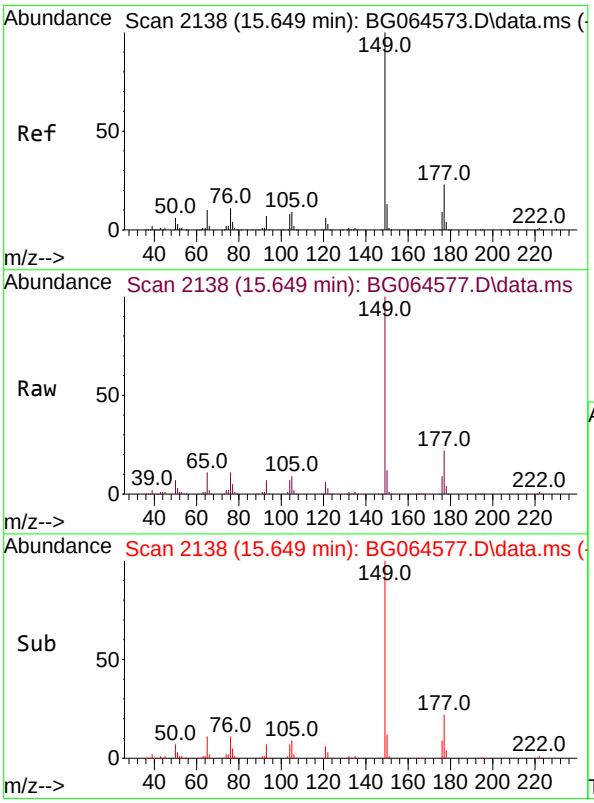
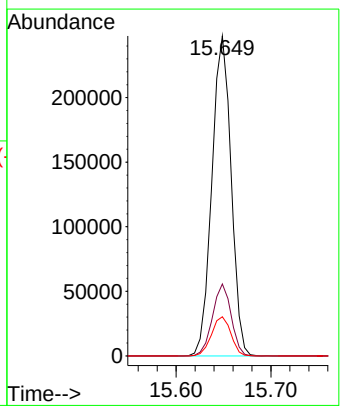
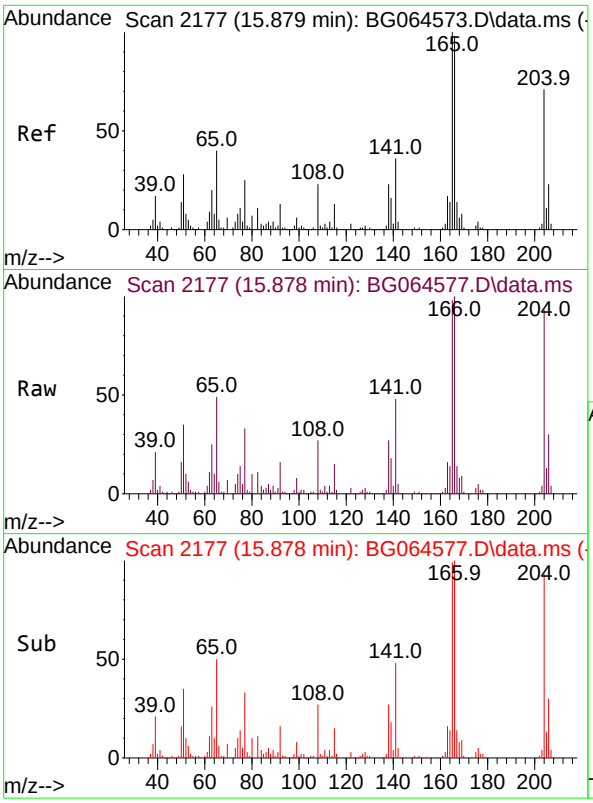


#60
Diethylphthalate
Concen: 35.961 ng
RT: 15.649 min Scan# 2138
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 348964

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.2	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 35.902 ng
RT: 15.878 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:204 Resp: 18271

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	51.5	40.6	60.8

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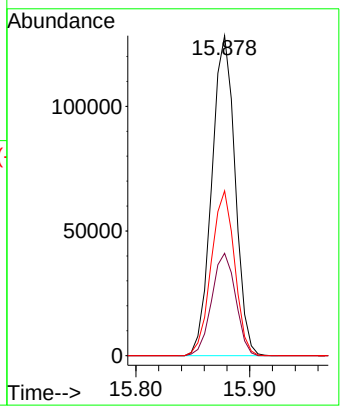
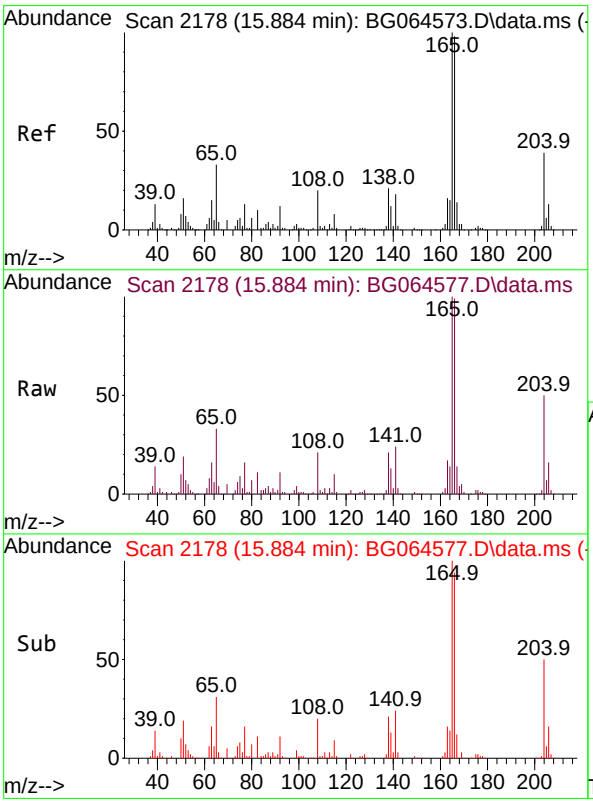
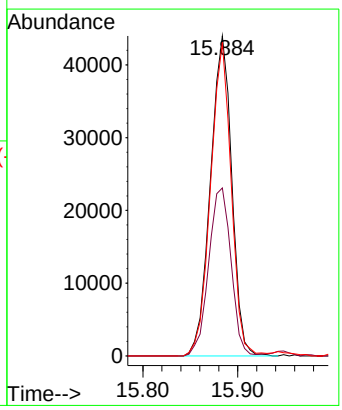


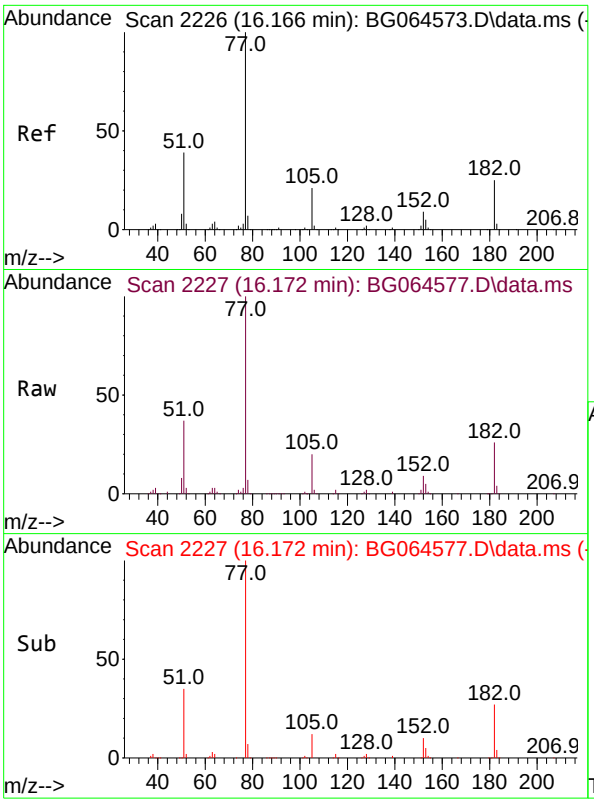


#62
4-Nitroaniline
Concen: 37.867 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:138 Resp: 68807

Ion	Ratio	Lower	Upper
138	100		
92	52.5	36.1	76.1
108	97.9	75.6	115.6

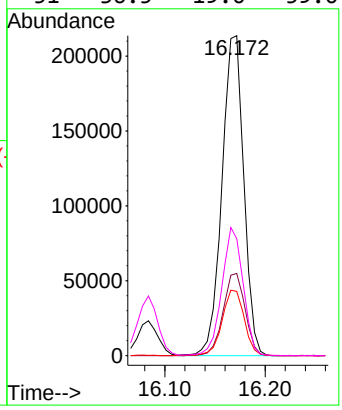




#63
Azobenzene
Concen: 36.325 ng
RT: 16.172 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 77 Resp: 32343

Ion	Ratio	Lower	Upper
77	100		
182	25.7	4.9	44.9
105	20.1	1.3	41.3
51	36.5	19.0	59.0



Instrument :
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ClientSampleId :
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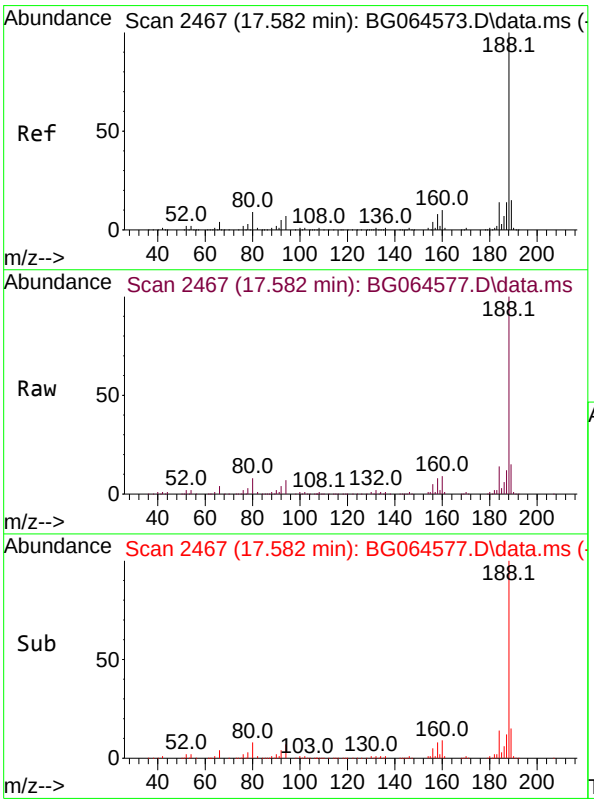
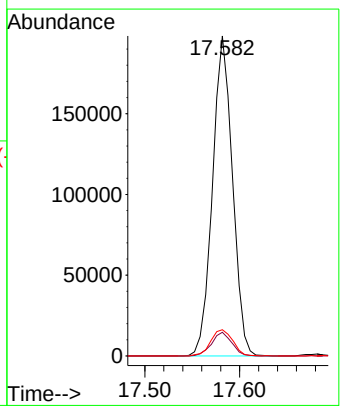
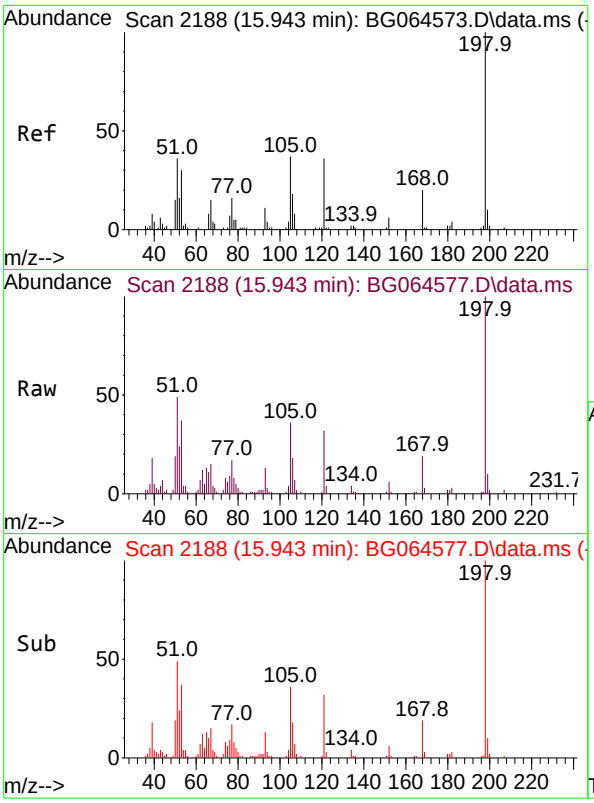


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.582 min Scan# 2467
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:188 Resp: 290051

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.7	8.5
80	8.2	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 34.885 ng
RT: 15.943 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:198 Resp: 42391

Ion	Ratio	Lower	Upper
198	100		
51	49.5	24.7	64.7
105	35.9	18.0	58.0

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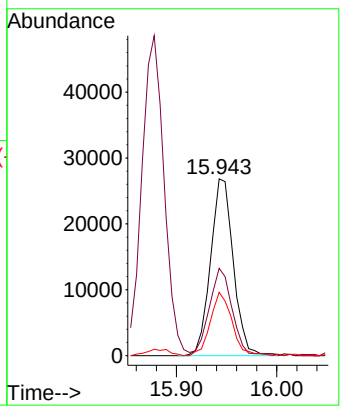
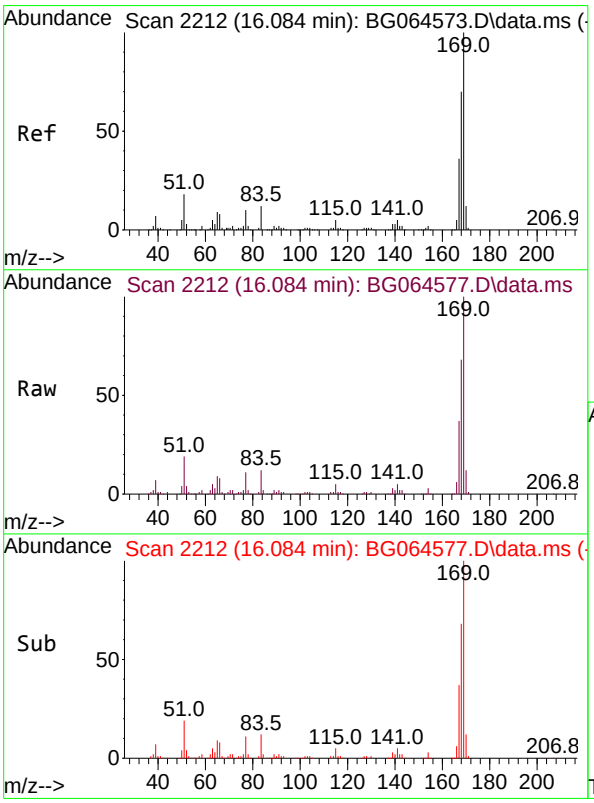
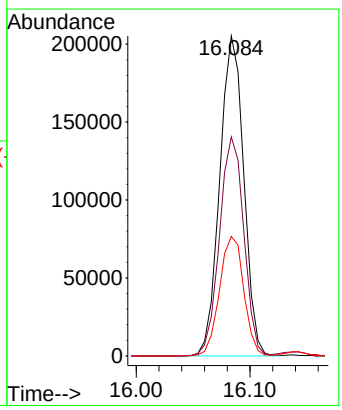


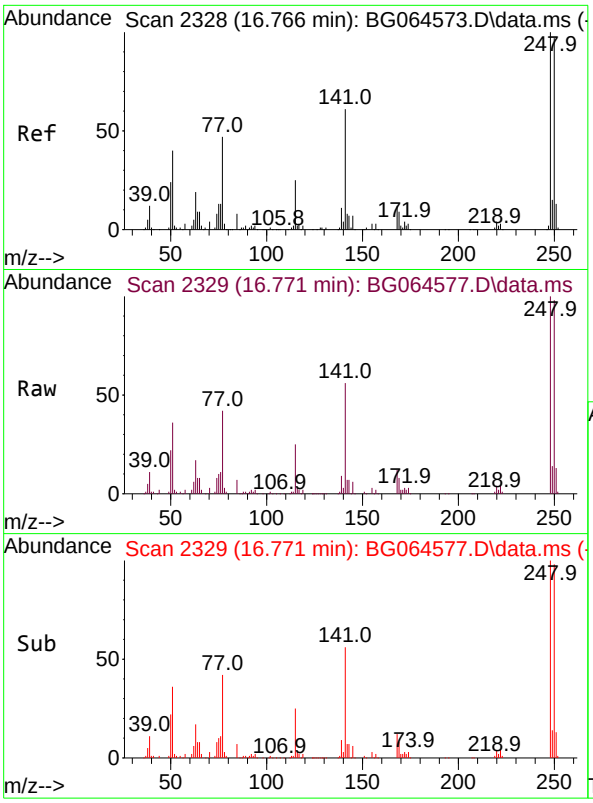


#66
n-Nitrosodiphenylamine
Concen: 38.325 ng
RT: 16.084 min Scan# 2212
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:169 Resp: 300274

Ion	Ratio	Lower	Upper
169	100		
168	68.4	56.3	84.5
167	37.3	29.0	43.6

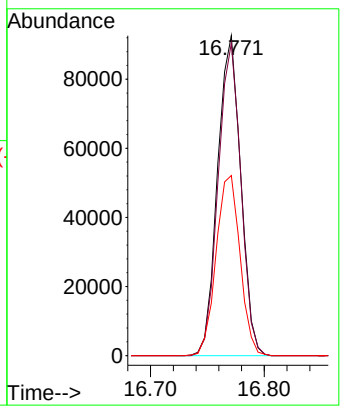




#67
4-Bromophenyl-phenylether
Concen: 38.044 ng
RT: 16.771 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:248 Resp: 13076

Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.7	116.5
141	56.3	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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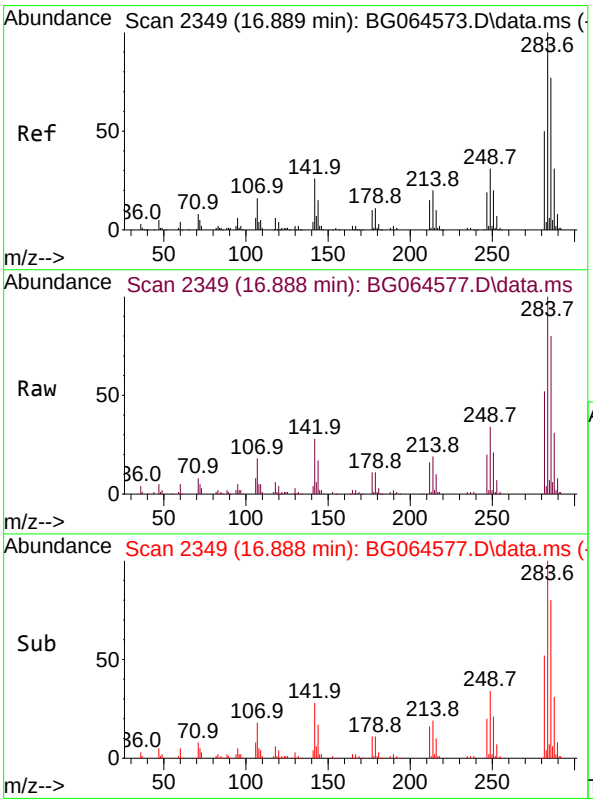
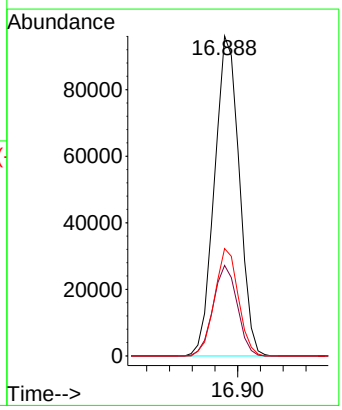
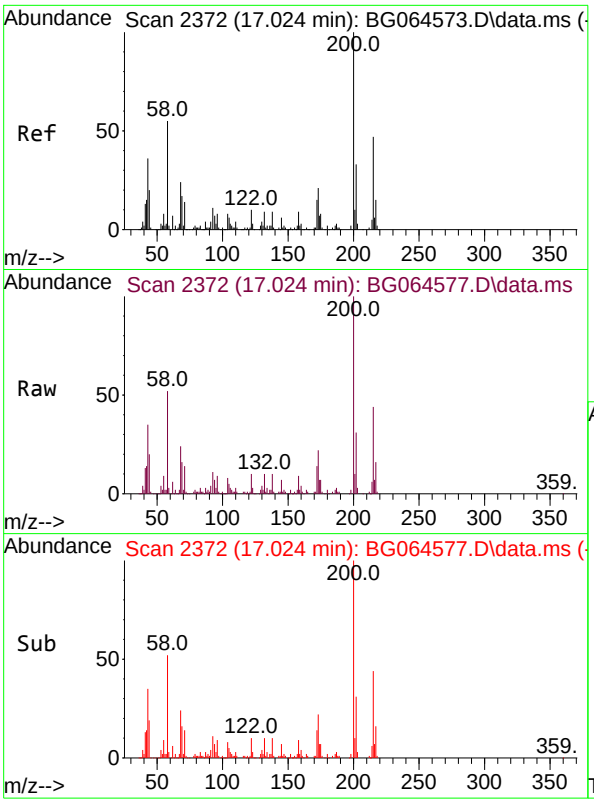


#68
Hexachlorobenzene
Concen: 36.971 ng
RT: 16.888 min Scan# 2349
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:284 Resp: 144974

Ion	Ratio	Lower	Upper
284	100		
142	28.3	21.0	31.6
249	33.5	24.9	37.3

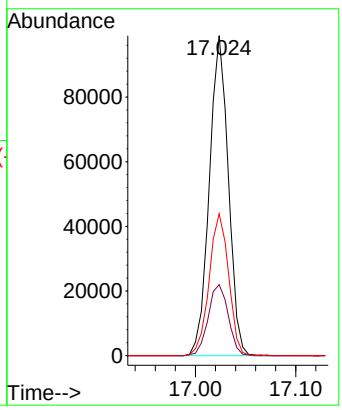




#69
Atrazine
Concen: 38.558 ng
RT: 17.024 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:200 Resp: 13000

Ion	Ratio	Lower	Upper
200	100		
173	22.2	0.9	40.9
215	44.3	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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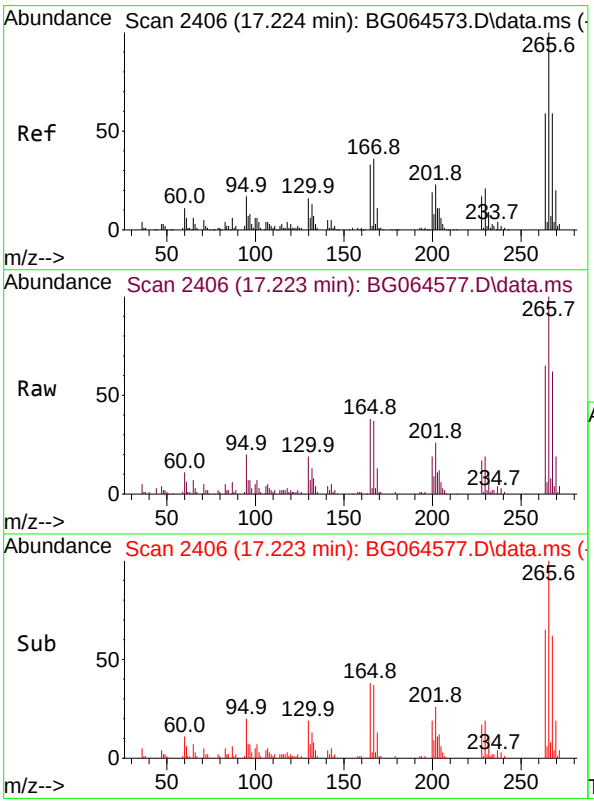
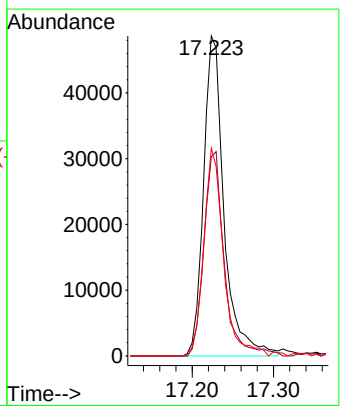
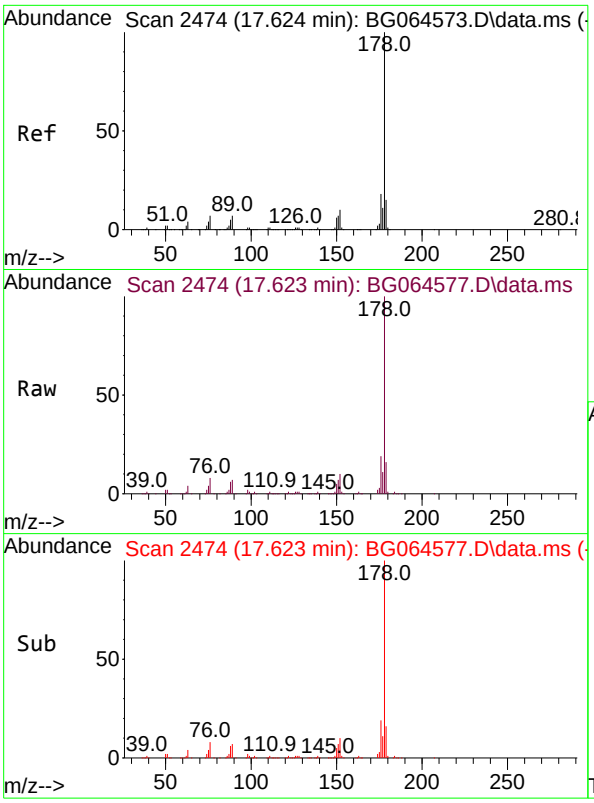


#70
Pentachlorophenol
Concen: 34.829 ng
RT: 17.223 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:266 Resp: 85166

Ion	Ratio	Lower	Upper
266	100		
268	66.7	50.3	75.5
264	70.5	47.3	70.9

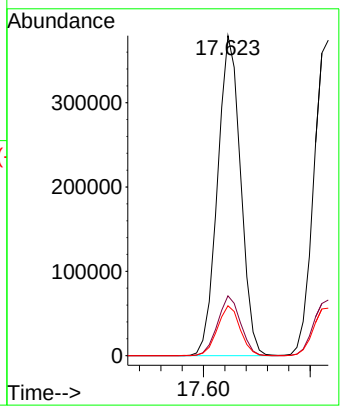




#71
Phenanthrene
Concen: 35.925 ng
RT: 17.623 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:178 Resp: 56982

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.6	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
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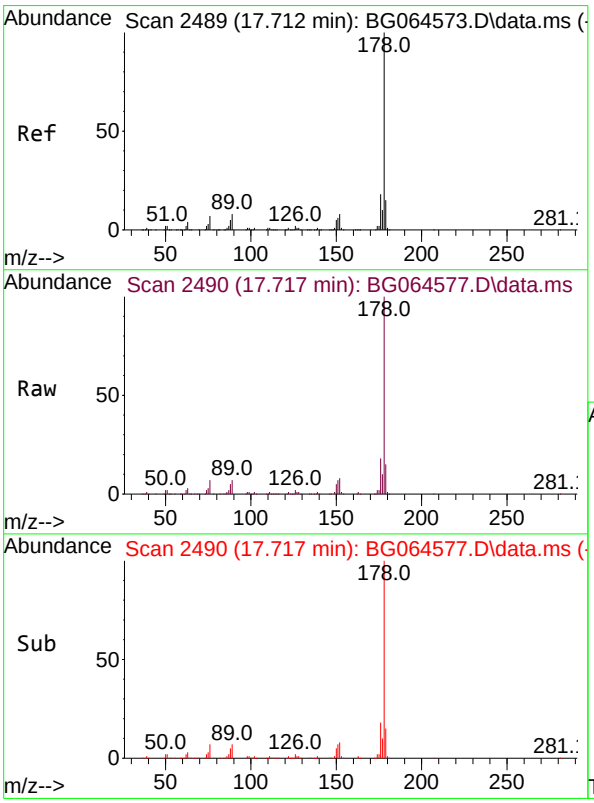
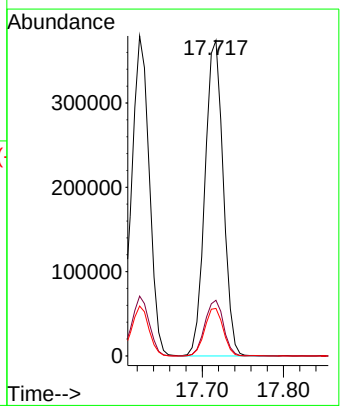
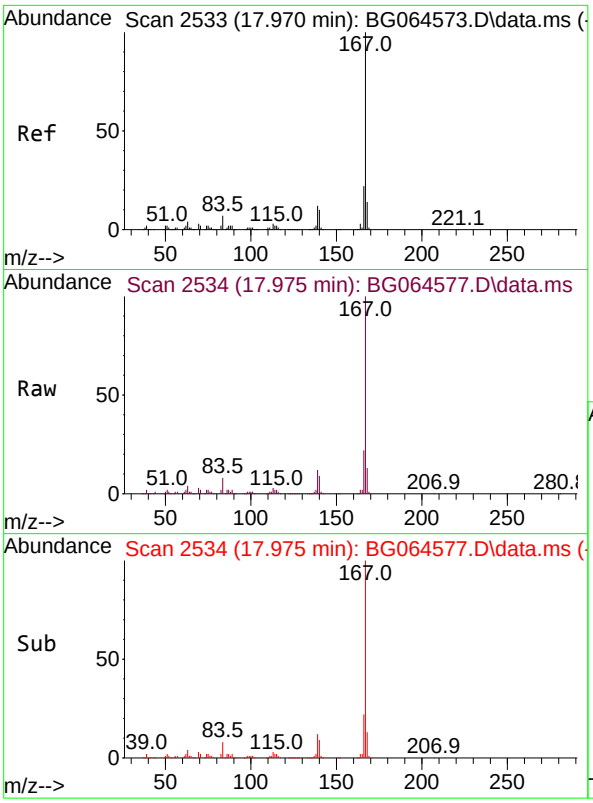


#72
Anthracene
Concen: 36.210 ng
RT: 17.717 min Scan# 2490
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:178 Resp: 584246

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.4	21.6
179	15.1	12.4	18.6

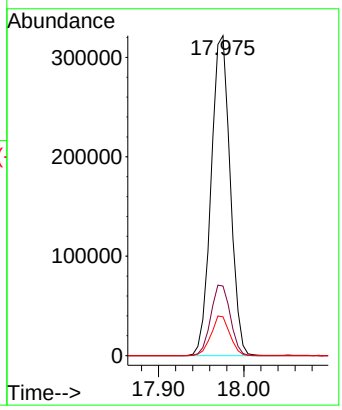




#73
Carbazole
Concen: 35.061 ng
RT: 17.975 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:167 Resp: 498849

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.9	26.9
139	12.1	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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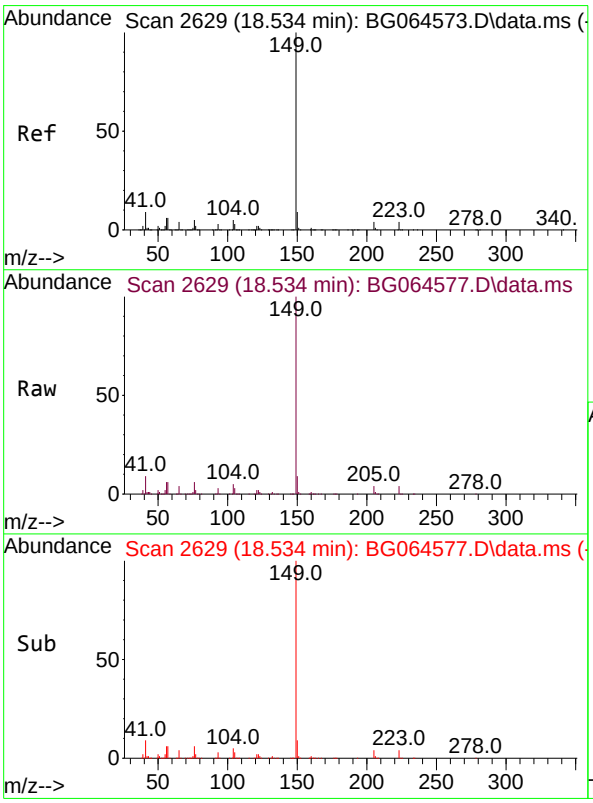
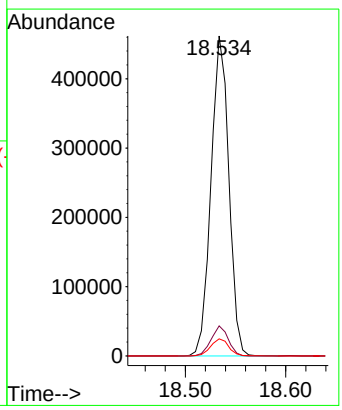
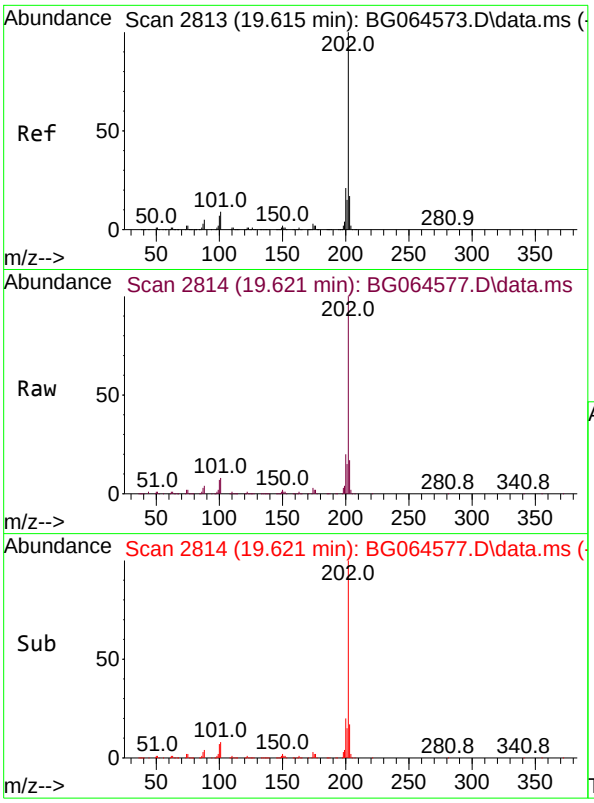


#74
Di-n-butylphthalate
Concen: 34.688 ng
RT: 18.534 min Scan# 2629
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 570718

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.0	10.6
104	5.3	4.1	6.1





#75
Fluoranthene
Concen: 34.070 ng
RT: 19.621 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:202 Resp: 676996

Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.7
203	16.7	0.0	37.0

Manual Integrations
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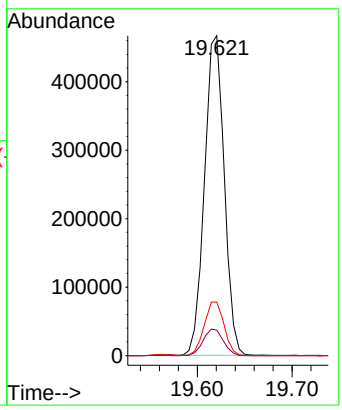
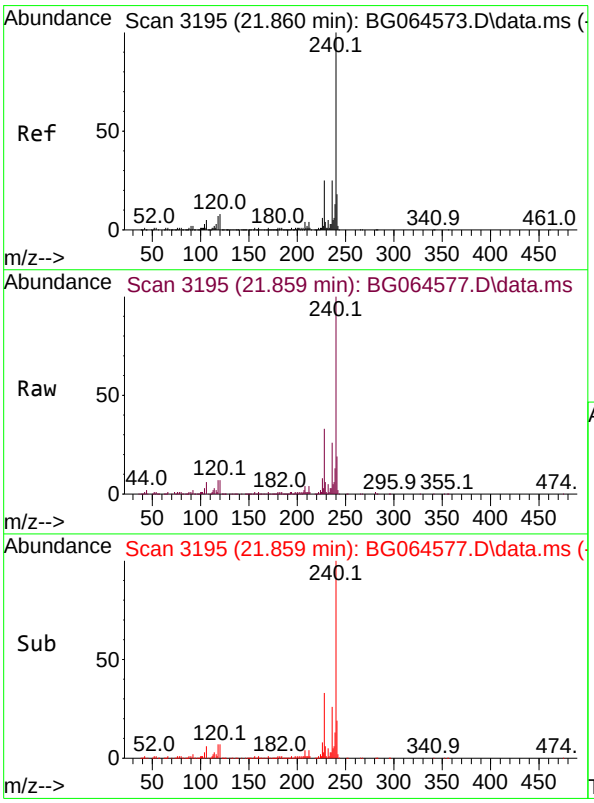
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

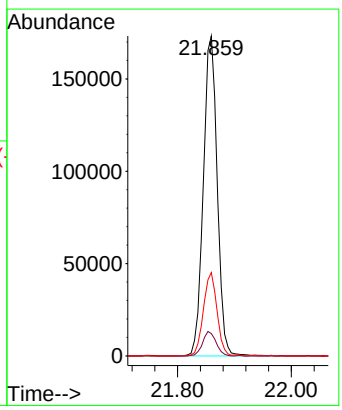


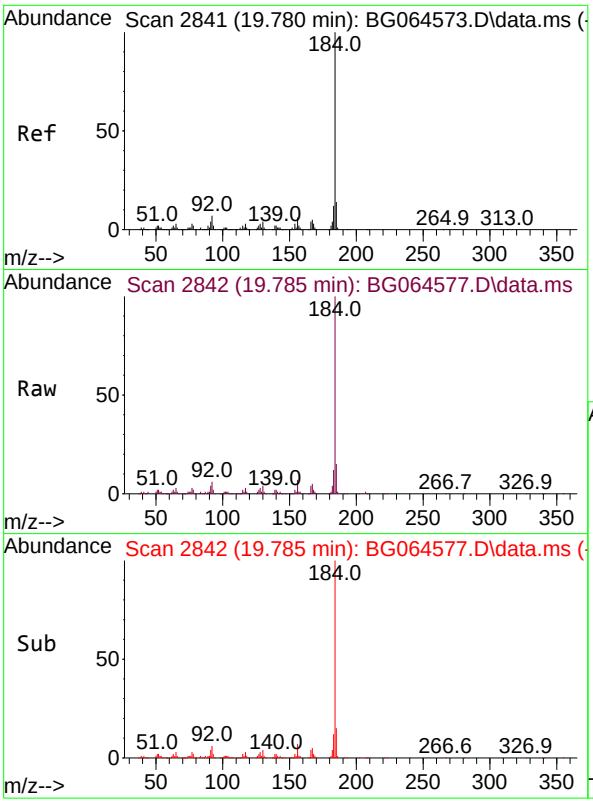


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.859 min Scan# 3195
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:240 Resp: 293608

Ion	Ratio	Lower	Upper
240	100		
120	7.0	6.5	9.7
236	26.0	20.2	30.2

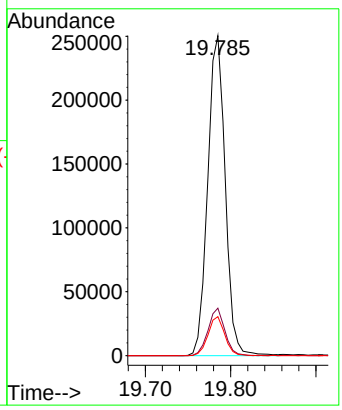




#77
Benzidine
Concen: 54.203 ng
RT: 19.785 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:184 Resp: 35654

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.4	17.2
183	12.2	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
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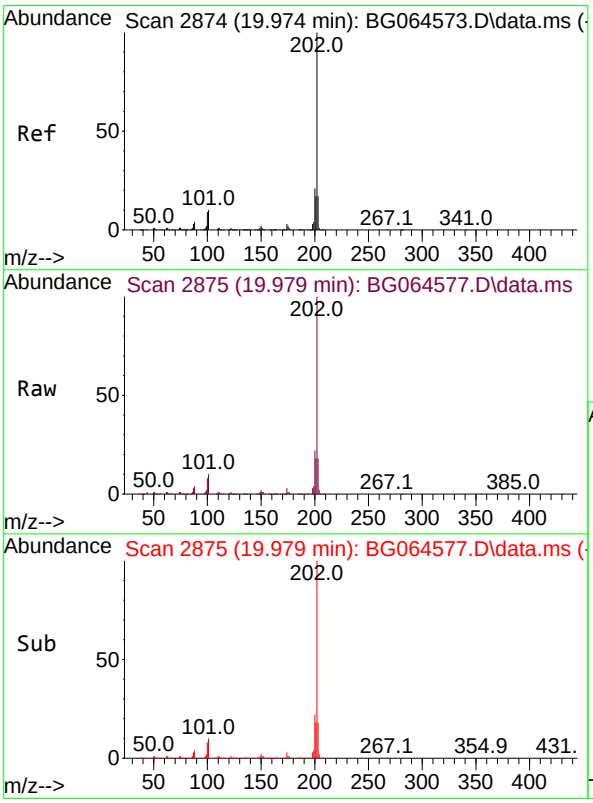
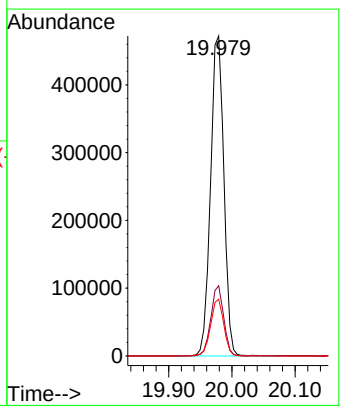
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

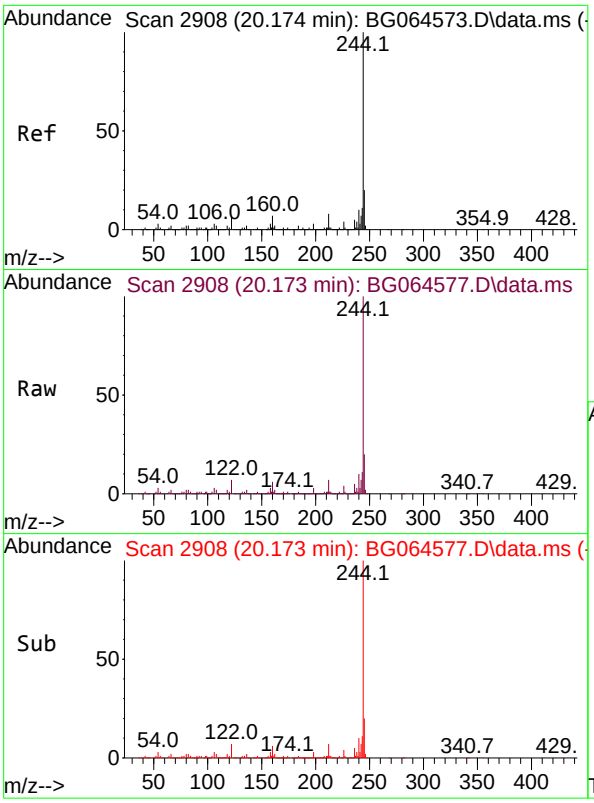


#78
Pyrene
Concen: 36.130 ng
RT: 19.979 min Scan# 2875
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:202 Resp: 693068

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.0	25.4
203	17.7	13.8	20.6

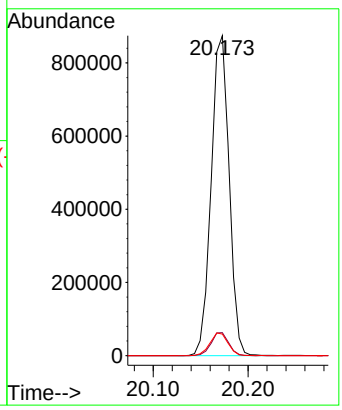




#79
Terphenyl-d14
Concen: 74.019 ng
RT: 20.173 min Scan# 29
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:244 Resp: 115159

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	6.7	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
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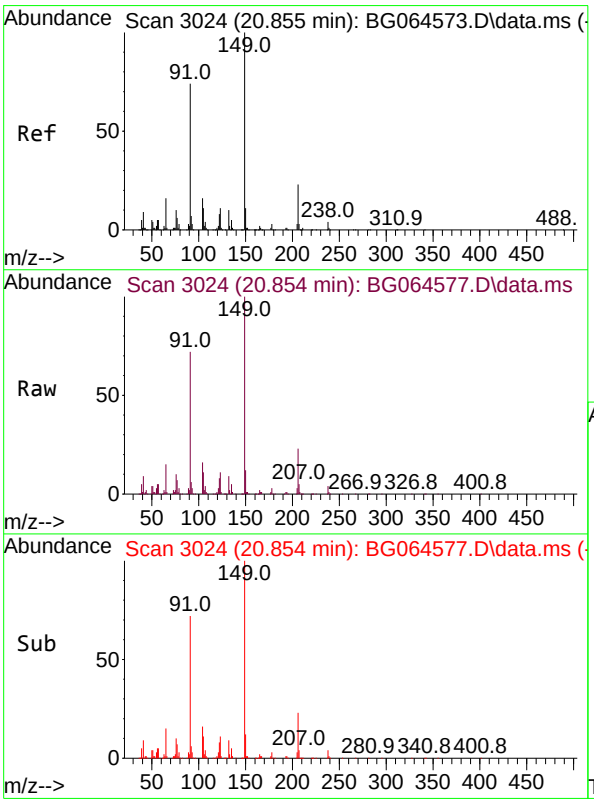
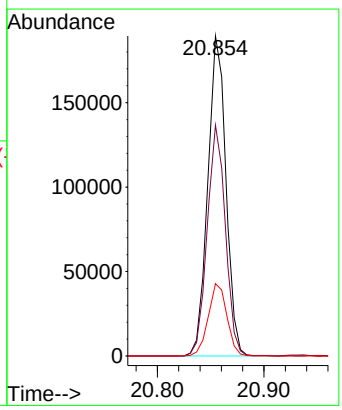
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

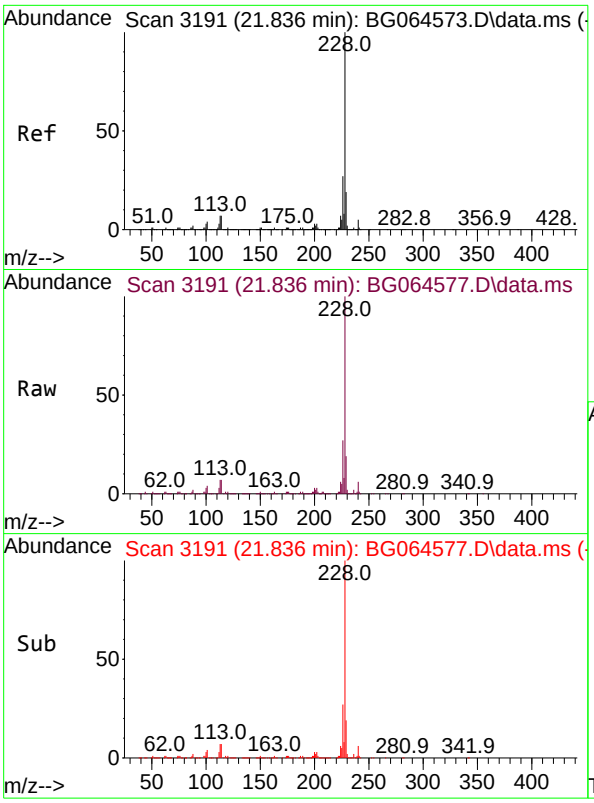


#80
Butylbenzylphthalate
Concen: 38.702 ng
RT: 20.854 min Scan# 3024
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 224386

Ion	Ratio	Lower	Upper
149	100		
91	72.1	59.2	88.8
206	22.6	18.1	27.1

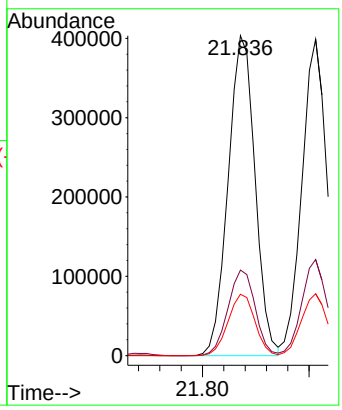




#81
Benzo(a)anthracene
Concen: 36.287 ng
RT: 21.836 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:228 Resp: 70642

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.9	32.9
229	19.2	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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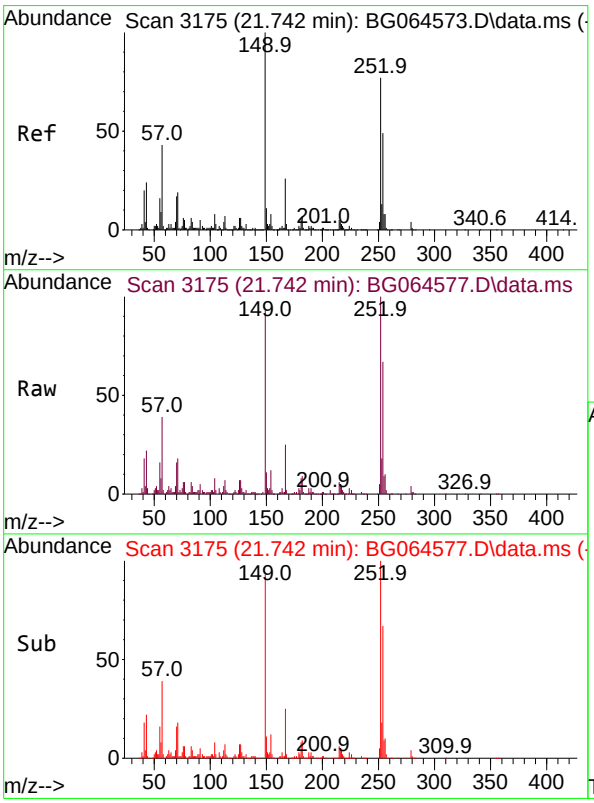
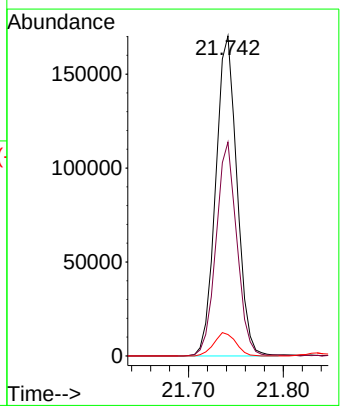
Supervised By :Jagrut Upadhyay 10/27/2025

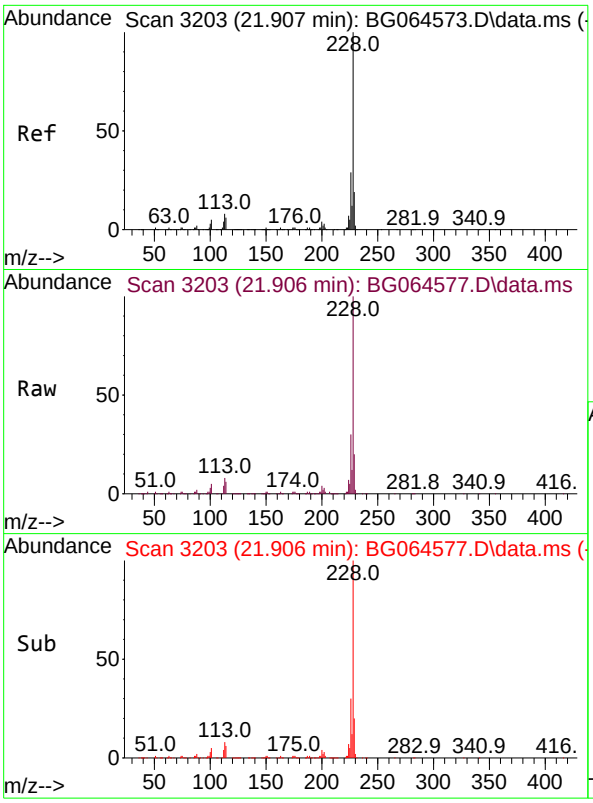


#82
3,3'-Dichlorobenzidine
Concen: 40.813 ng
RT: 21.742 min Scan# 3175
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:252 Resp: 265324

Ion	Ratio	Lower	Upper
252	100		
254	66.8	50.8	76.2
126	6.7	5.8	8.6





#83
Chrysene
Concen: 35.533 ng
RT: 21.906 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:228 Resp: 65821

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.3	34.9
229	19.5	15.2	22.8

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
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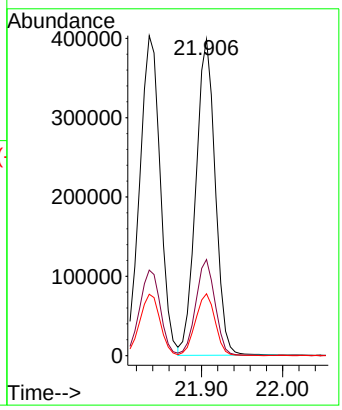
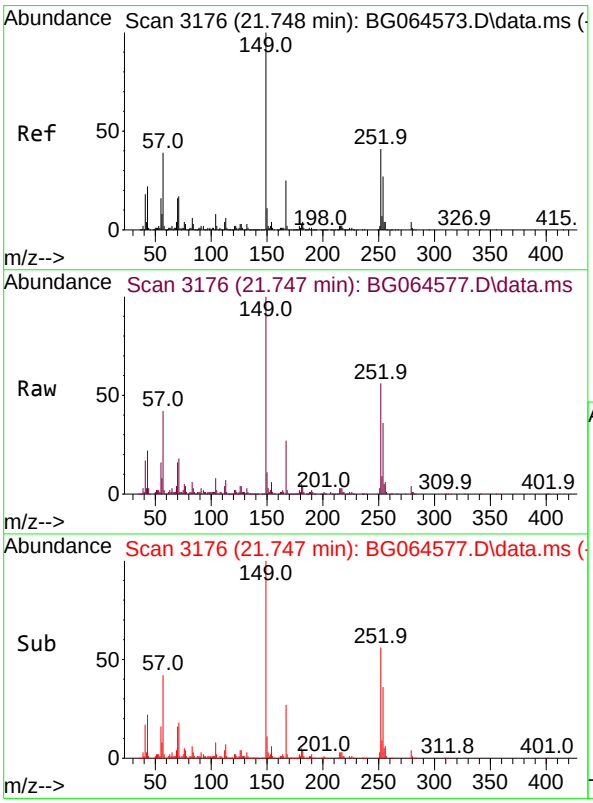
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

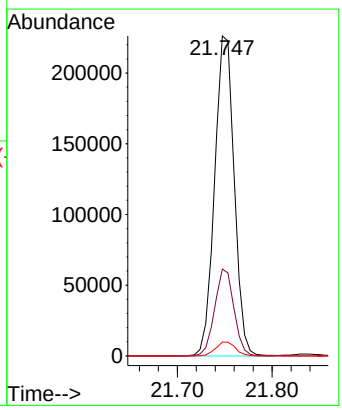


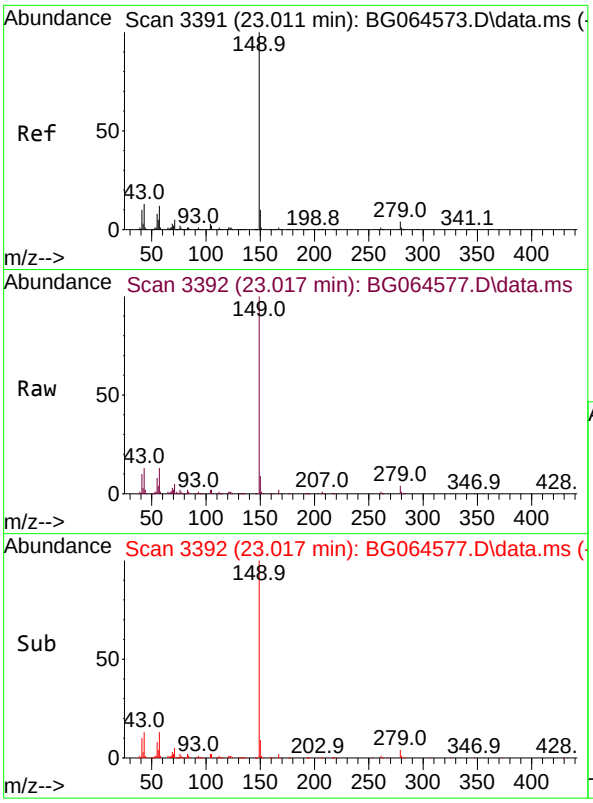


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.470 ng
RT: 21.747 min Scan# 3176
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 324614

Ion	Ratio	Lower	Upper
149	100		
167	27.1	20.0	30.0
279	4.3	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 36.087 ng
RT: 23.017 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 52709

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.3	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
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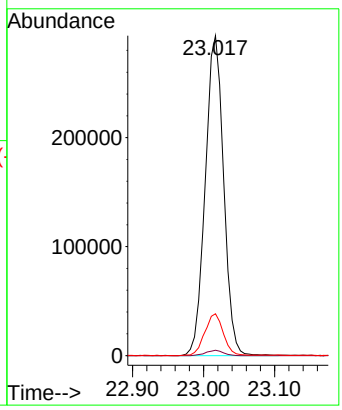
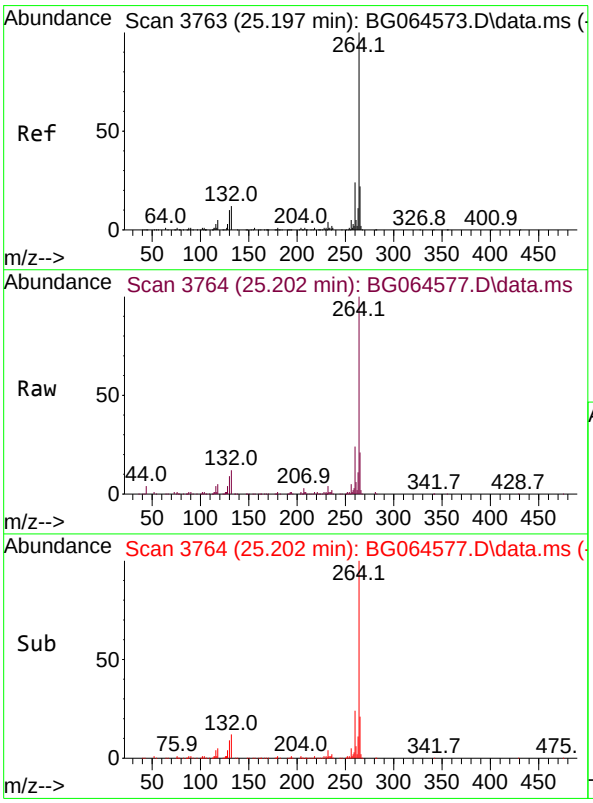
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

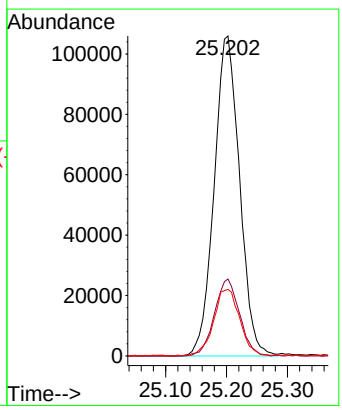


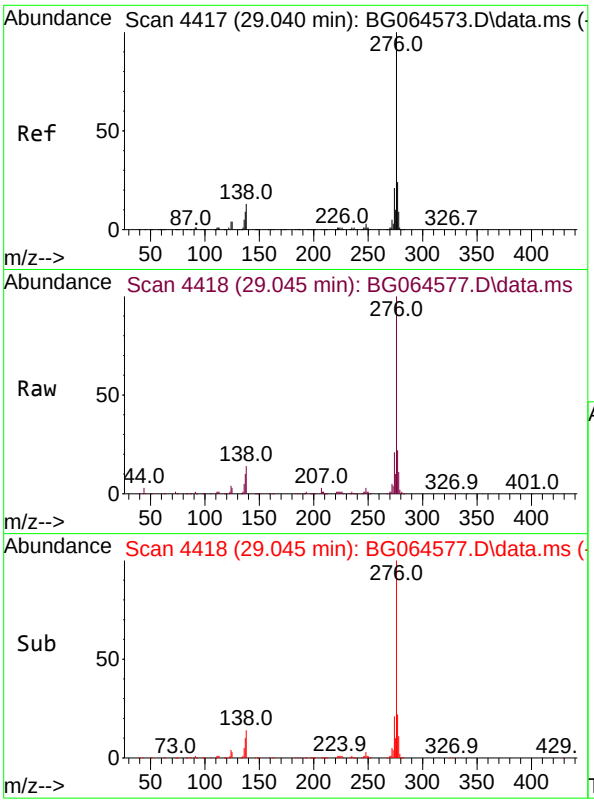


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.202 min Scan# 3764
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:264 Resp: 306886

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	20.8	17.6	26.4

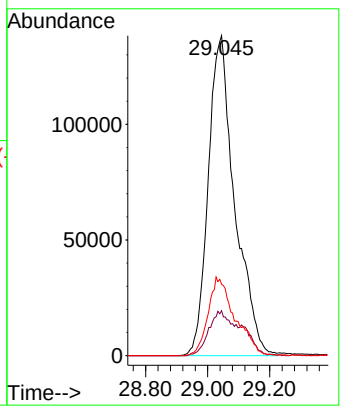




#87
Indeno(1,2,3-cd)pyrene
Concen: 36.366 ng
RT: 29.045 min Scan# 44
Delta R.T. -0.016 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:276 Resp: 82097

Ion	Ratio	Lower	Upper
276	100		
138	12.6	10.8	16.2
277	25.0	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
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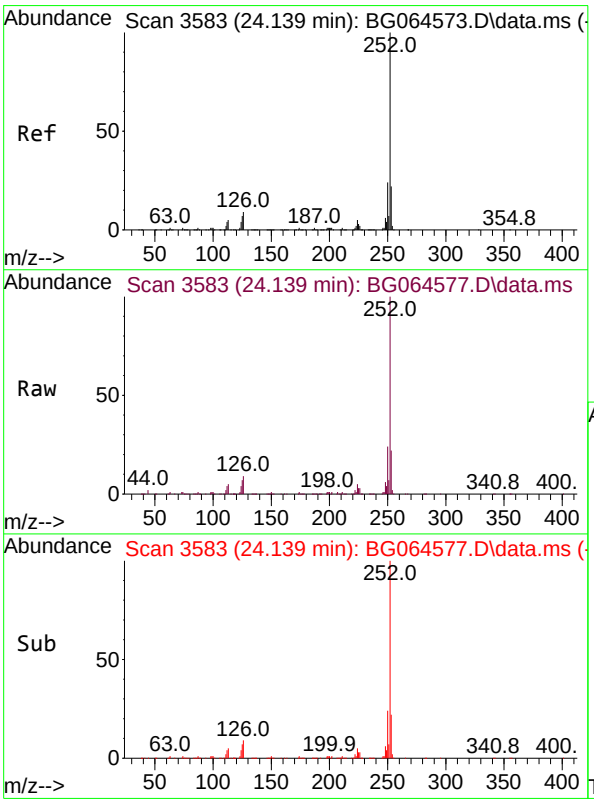
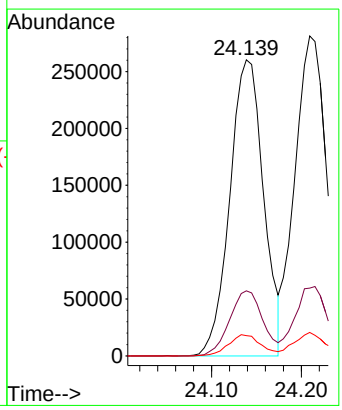
Supervised By :Jagrut Upadhyay 10/27/2025

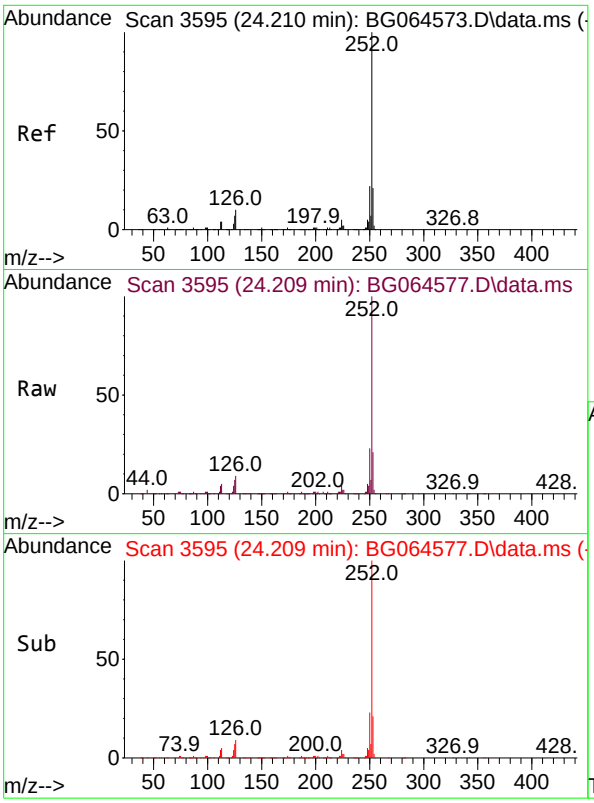


#88
Benzo(b)fluoranthene
Concen: 36.235 ng
RT: 24.139 min Scan# 3583
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:252 Resp: 681881

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	6.8	5.6	8.4

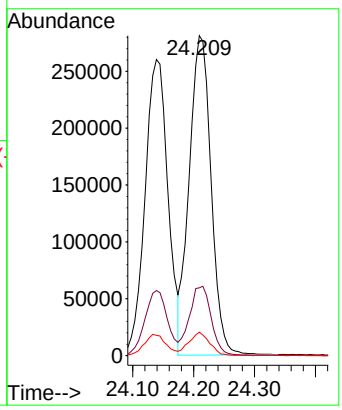




#89
Benzo(k)fluoranthene
Concen: 37.252 ng
RT: 24.209 min Scan# 3
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:252 Resp: 70150

Ion	Ratio	Lower	Upper
252	100		
253	21.2	16.8	25.2
125	7.3	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
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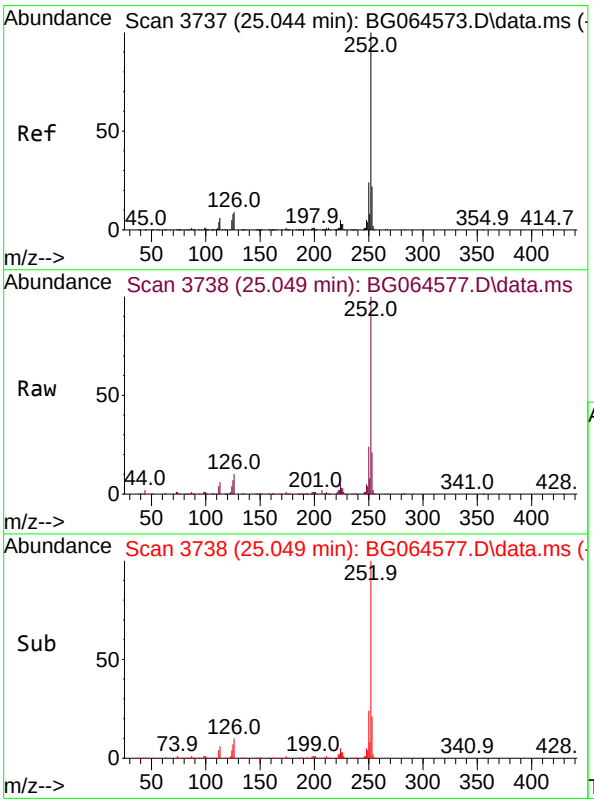
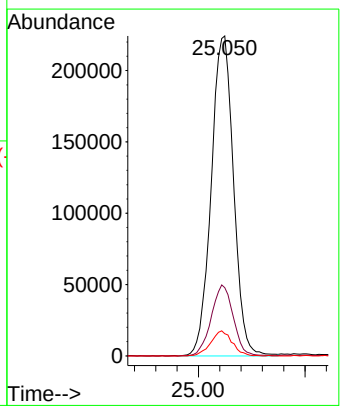
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

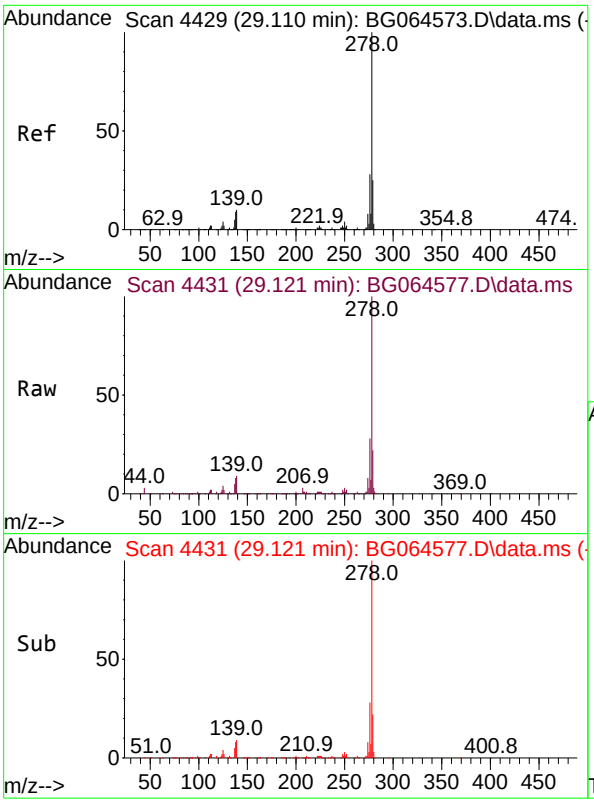


#90
Benzo(a)pyrene
Concen: 37.700 ng
RT: 25.049 min Scan# 3738
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:252 Resp: 652126

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	6.9	6.1	9.1

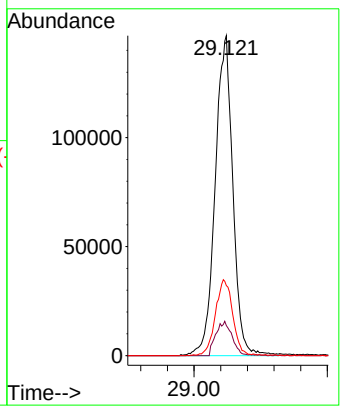




#91
Dibenzo(a,h)anthracene
Concen: 36.776 ng
RT: 29.121 min Scan# 44
Delta R.T. -0.016 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:278 Resp: 67451

Ion	Ratio	Lower	Upper
278	100		
139	9.4	8.0	12.0
279	21.9	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
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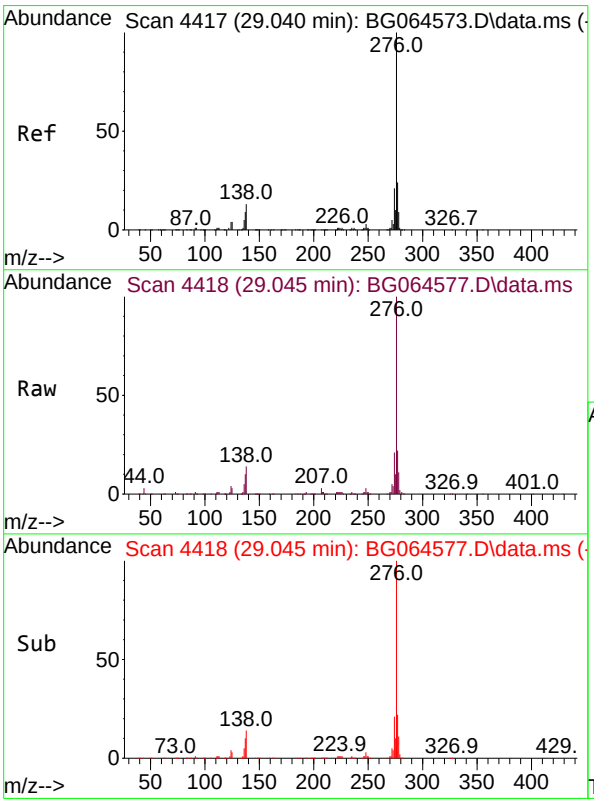
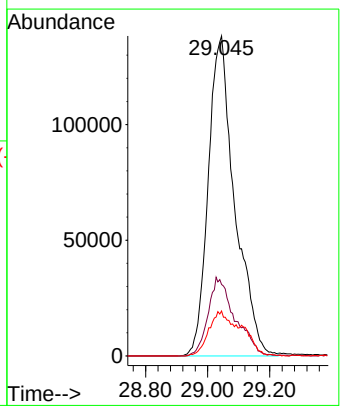
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 36.366 ng
RT: 29.045 min Scan# 4418
Delta R.T. -0.016 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:276 Resp: 820974

Ion	Ratio	Lower	Upper
276	100		
277	22.3	19.2	28.8
138	14.0	10.7	16.1



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	93	0.00
2		1,4-Dioxane	40.000	33.820	15.4	79	0.00
3		Pyridine	40.000	33.313	16.7	73	0.00
4		n-Nitrosodimethylamine	40.000	36.025	9.9	79	-0.01
5	S	2-Fluorophenol	80.000	70.535	11.8	75	0.00
6		Aniline	40.000	38.118	4.7	82	0.00
7	S	Phenol-d6	80.000	74.109	7.4	79	0.00
8		2-Chlorophenol	40.000	36.981	7.5	78	0.00
9		Benzaldehyde	40.000	50.923	-27.3#	112	0.00
10	C	Phenol	40.000	36.410	9.0	78	-0.01
11		bis(2-Chloroethyl)ether	40.000	38.118	4.7	82	0.00
12		1,3-Dichlorobenzene	40.000	36.085	9.8	79	0.00
13	C	1,4-Dichlorobenzene	40.000	37.635	5.9	83	0.00
14		1,2-Dichlorobenzene	40.000	36.924	7.7	81	0.00
15		Benzyl Alcohol	40.000	37.995	5.0	83	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	36.163	9.6	78	0.00
17		2-Methylphenol	40.000	38.945	2.6	81	0.00
18		Hexachloroethane	40.000	35.743	10.6	78	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.572	1.1	84	0.00
20		3+4-Methylphenols	40.000	37.882	5.3	81	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	95	0.00
22		Acetophenone	40.000	37.806	5.5	84	0.00
23	S	Nitrobenzene-d5	80.000	76.738	4.1	81	0.00
24		Nitrobenzene	40.000	39.305	1.7	83	0.00
25		Isophorone	40.000	37.733	5.7	83	-0.01
26	C	2-Nitrophenol	40.000	35.498	11.3	84	0.00
27		2,4-Dimethylphenol	40.000	41.336	-3.3	89	0.00
28		bis(2-Chloroethoxy)methane	40.000	36.953	7.6	82	0.00
29	C	2,4-Dichlorophenol	40.000	38.190	4.5	81	0.00
30		1,2,4-Trichlorobenzene	40.000	37.945	5.1	84	0.00
31		Naphthalene	40.000	35.709	10.7	80	0.00
32		Benzoic acid	40.000	37.924	5.2	93	-0.05
33		4-Chloroaniline	40.000	41.287	-3.2	92	0.00
34	C	Hexachlorobutadiene	40.000	35.242	11.9	80	0.00
35		Caprolactam	40.000	36.326	9.2	79	-0.03
36	C	4-Chloro-3-methylphenol	40.000	38.049	4.9	82	0.00
37		2-Methylnaphthalene	40.000	33.388	16.5	75	0.00
38		1-Methylnaphthalene	40.000	35.729	10.7	80	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.146	7.1	84	0.00
41	P	Hexachlorocyclopentadiene	40.000	50.669	-26.7#	112	0.00
42	S	2,4,6-Tribromophenol	80.000	75.074	6.2	81	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.726	3.2	84	0.00
44		2,4,5-Trichlorophenol	40.000	37.228	6.9	81	0.00
45	S	2-Fluorobiphenyl	80.000	72.599	9.3	82	0.00
46		1,1'-Biphenyl	40.000	37.331	6.7	85	0.00
47		2-Chloronaphthalene	40.000	36.205	9.5	82	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	36.129	9.7	87	0.00
49		Acenaphthylene	40.000	41.457	-3.6	93	0.00
50		Dimethylphthalate	40.000	36.890	7.8	82	0.00
51		2,6-Dinitrotoluene	40.000	39.971	0.1	96	0.00
52	C	Acenaphthene	40.000	35.340	11.6	80	0.00
53		3-Nitroaniline	40.000	42.080	-5.2	89	0.00
54	P	2,4-Dinitrophenol	40.000	33.991	15.0	82	0.00
55		Dibenzofuran	40.000	36.096	9.8	82	0.00
56	P	4-Nitrophenol	40.000	33.818	15.5	75	0.00
57		2,4-Dinitrotoluene	40.000	35.957	10.1	85	0.00
58		Fluorene	40.000	36.238	9.4	82	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.525	-1.3	88	0.00
60		Diethylphthalate	40.000	35.961	10.1	81	0.00
61		4-Chlorophenyl-phenylether	40.000	35.902	10.2	81	0.00
62		4-Nitroaniline	40.000	37.867	5.3	81	-0.01
63		Azobenzene	40.000	36.325	9.2	81	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	40.000	34.885	12.8	82	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.325	4.2	82	0.00
67		4-Bromophenyl-phenylether	40.000	38.044	4.9	81	0.00
68		Hexachlorobenzene	40.000	36.971	7.6	79	0.00
69		Atrazine	40.000	38.558	3.6	85	0.00
70	C	Pentachlorophenol	40.000	34.829	12.9	76	0.00
71		Phenanthrene	40.000	35.925	10.2	78	0.00
72		Anthracene	40.000	36.210	9.5	79	0.00
73		Carbazole	40.000	35.061	12.3	77	0.00
74		Di-n-butylphthalate	40.000	34.688	13.3	73	0.00
75	C	Fluoranthene	40.000	34.070	14.8	75	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	88	0.00
77		Benzidine	40.000	54.203	-35.5#	109	0.00
78		Pyrene	40.000	36.130	9.7	74	0.00
79	S	Terphenyl-d14	80.000	74.019	7.5	76	0.00
80		Butylbenzylphthalate	40.000	38.702	3.2	75	0.00
81		Benzo(a)anthracene	40.000	36.287	9.3	75	0.00
82		3,3'-Dichlorobenzidine	40.000	40.813	-2.0	83	0.00
83		Chrysene	40.000	35.533	11.2	74	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	37.470	6.3	73	0.00
85	c	Di-n-octyl phthalate	40.000	36.087	9.8	73	0.00
86	I	Perylene-d12	20.000	20.000	0.0	87	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	36.366	9.1	75	-0.02
88		Benzo(b)fluoranthene	40.000	36.235	9.4	74	0.00
89		Benzo(k)fluoranthene	40.000	37.252	6.9	78	-0.01
90	C	Benzo(a)pyrene	40.000	37.700	5.7	77	-0.01
91		Dibenzo(a,h)anthracene	40.000	36.776	8.1	76	-0.02
92		Benzo(g,h,i)perylene	40.000	36.366	9.1	75	-0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
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Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
2		1,4-Dioxane	0.528	0.446	15.5	79	0.00
3		Pyridine	1.584	1.319	16.7	73	0.00
4		n-Nitrosodimethylamine	0.850	0.765	10.0	79	-0.01
5	S	2-Fluorophenol	1.192	1.051	11.8	75	0.00
6		Aniline	2.225	2.120	4.7	82	0.00
7	S	Phenol-d6	1.635	1.515	7.3	79	0.00
8		2-Chlorophenol	1.247	1.153	7.5	78	0.00
9		Benzaldehyde	0.893	1.136	-27.2#	112	0.00
10	C	Phenol	1.808	1.646	9.0	78	-0.01
11		bis(2-Chloroethyl)ether	2.225	2.120	4.7	82	0.00
12		1,3-Dichlorobenzene	1.435	1.295	9.8	79	0.00
13	C	1,4-Dichlorobenzene	1.460	1.373	6.0	83	0.00
14		1,2-Dichlorobenzene	1.408	1.300	7.7	81	0.00
15		Benzyl Alcohol	1.348	1.281	5.0	83	-0.01
16		2,2'-oxybis(1-Chloropropane	3.487	3.153	9.6	78	0.00
17		2-Methylphenol	0.674	0.656	2.7	81	0.00
18		Hexachloroethane	0.512	0.458	10.5	78	0.00
19	P	n-Nitroso-di-n-propylamine	1.130	1.118	1.1	84	0.00
20		3+4-Methylphenols	1.688	1.599	5.3	81	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	95	0.00
22		Acetophenone	0.547	0.517	5.5	84	0.00
23	S	Nitrobenzene-d5	0.333	0.319	4.2	81	0.00
24		Nitrobenzene	0.362	0.356	1.7	83	0.00
25		Isophorone	0.799	0.754	5.6	83	-0.01
26	C	2-Nitrophenol	0.121	0.121	0.0	84	0.00
27		2,4-Dimethylphenol	0.303	0.313	-3.3	89	0.00
28		bis(2-Chloroethoxy)methane	0.455	0.420	7.7	82	0.00
29	C	2,4-Dichlorophenol	0.320	0.305	4.7	81	0.00
30		1,2,4-Trichlorobenzene	0.363	0.345	5.0	84	0.00
31		Naphthalene	1.109	0.990	10.7	80	0.00
32		Benzoic acid	0.189	0.198	-4.8	93	-0.05
33		4-Chloroaniline	0.431	0.445	-3.2	92	0.00
34	C	Hexachlorobutadiene	0.284	0.250	12.0	80	0.00
35		Caprolactam	0.123	0.111	9.8	79	-0.03
36	C	4-Chloro-3-methylphenol	0.384	0.366	4.7	82	0.00
37		2-Methylnaphthalene	0.814	0.680	16.5	75	0.00
38		1-Methylnaphthalene	0.801	0.716	10.6	80	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	0.671	0.623	7.2	84	0.00
41	P	Hexachlorocyclopentadiene	0.302	0.383	-26.8#	112	0.00
42	S	2,4,6-Tribromophenol	0.289	0.271	6.2	81	0.00
43	C	2,4,6-Trichlorophenol	0.384	0.372	3.1	84	0.00
44		2,4,5-Trichlorophenol	0.443	0.412	7.0	81	0.00
45	S	2-Fluorobiphenyl	1.319	1.197	9.2	82	0.00
46		1,1'-Biphenyl	1.422	1.327	6.7	85	0.00
47		2-Chloronaphthalene	1.073	0.971	9.5	82	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	0.311	0.318	-2.3	87	0.00
49		Acenaphthylene	1.693	1.755	-3.7	93	0.00
50		Dimethylphthalate	1.530	1.411	7.8	82	0.00
51		2,6-Dinitrotoluene	0.218	0.249	-14.2	96	0.00
52	C	Acenaphthene	1.157	1.022	11.7	80	0.00
53		3-Nitroaniline	0.263	0.277	-5.3	89	0.00
54	P	2,4-Dinitrophenol	0.132	0.118	10.6	82	0.00
55		Dibenzofuran	1.870	1.687	9.8	82	0.00
56	P	4-Nitrophenol	0.244	0.206	15.6	75	0.00
57		2,4-Dinitrotoluene	0.340	0.343	-0.9	85	0.00
58		Fluorene	1.460	1.323	9.4	82	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.429	-1.2	88	0.00
60		Diethylphthalate	1.563	1.405	10.1	81	0.00
61		4-Chlorophenyl-phenylether	0.820	0.736	10.2	81	0.00
62		4-Nitroaniline	0.293	0.277	5.5	81	-0.01
63		Azobenzene	1.434	1.302	9.2	81	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	0.079	0.073	7.6	82	0.00
66	c	n-Nitrosodiphenylamine	0.540	0.518	4.1	82	0.00
67		4-Bromophenyl-phenylether	0.237	0.225	5.1	81	0.00
68		Hexachlorobenzene	0.270	0.250	7.4	79	0.00
69		Atrazine	0.232	0.224	3.4	85	0.00
70	C	Pentachlorophenol	0.169	0.147	13.0	76	0.00
71		Phenanthrene	1.094	0.982	10.2	78	0.00
72		Anthracene	1.113	1.007	9.5	79	0.00
73		Carbazole	0.981	0.860	12.3	77	0.00
74		Di-n-butylphthalate	1.134	0.984	13.2	73	0.00
75	C	Fluoranthene	1.370	1.167	14.8	75	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	88	0.00
77		Benzidine	0.448	0.607	-35.5#	109	0.00
78		Pyrene	1.307	1.180	9.7	74	0.00
79	S	Terphenyl-d14	1.060	0.981	7.5	76	0.00
80		Butylbenzylphthalate	0.395	0.382	3.3	75	0.00
81		Benzo(a)anthracene	1.326	1.203	9.3	75	0.00
82		3,3'-Dichlorobenzidine	0.443	0.452	-2.0	83	0.00
83		Chrysene	1.262	1.121	11.2	74	0.00
84		Bis(2-ethylhexyl)phthalate	0.590	0.553	6.3	73	0.00
85	c	Di-n-octyl phthalate	0.995	0.898	9.7	73	0.00
86	I	Perylene-d12	1.000	1.000	0.0	87	0.00
87		Indeno(1,2,3-cd)pyrene	1.471	1.338	9.0	75	-0.02
88		Benzo(b)fluoranthene	1.226	1.111	9.4	74	0.00
89		Benzo(k)fluoranthene	1.227	1.143	6.8	78	-0.01
90	C	Benzo(a)pyrene	1.127	1.062	5.8	77	-0.01
91		Dibenzo(a,h)anthracene	1.195	1.099	8.0	76	-0.02
92		Benzo(g,h,i)perylene	1.471	1.338	9.0	75	-0.02

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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

Raw Data: **BG064583.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: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: BNA_G Calibration Date/Time: 10/27/2025 11:57

Lab File ID: BG064583.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.450		21.6	
Benzaldehyde	0.893	1.717		92.3	
Phenol-d6	1.635	2.044		25.0	
Phenol	1.808	2.253		24.6	20.0
bis(2-Chloroethyl)ether	2.225	2.744		23.3	
2-Chlorophenol	1.247	1.578		26.5	
2-Methylphenol	0.674	0.741		9.9	
2,2-oxybis(1-Chloropropane)	3.487	3.810		9.3	
Acetophenone	0.547	0.561		2.6	
3+4-Methylphenols	1.688	1.798		6.5	
n-Nitroso-di-n-propylamine	1.130	1.299	0.050	15.0	
Nitrobenzene-d5	0.333	0.335		0.6	
Hexachloroethane	0.512	0.530		3.5	
Nitrobenzene	0.362	0.371		2.5	
Isophorone	0.799	0.838		4.9	
2-Nitrophenol	0.121	0.114		-5.8	20.0
2,4-Dimethylphenol	0.303	0.316		4.3	
bis(2-Chloroethoxy)methane	0.455	0.477		4.8	
2,4-Dichlorophenol	0.320	0.336		5.0	20.0
Naphthalene	1.109	1.134		2.3	
4-Chloroaniline	0.431	0.451		4.6	
Hexachlorobutadiene	0.284	0.289		1.8	20.0
Caprolactam	0.123	0.118		-4.1	
4-Chloro-3-methylphenol	0.384	0.401		4.4	20.0
2-Methylnaphthalene	0.814	0.842		3.4	
Hexachlorocyclopentadiene	0.302	0.278	0.050	-7.9	
2,4,6-Trichlorophenol	0.384	0.396		3.1	20.0
2-Fluorobiphenyl	1.319	1.332		1.0	
2,4,5-Trichlorophenol	0.443	0.454		2.5	
1,1-Biphenyl	1.422	1.458		2.5	
2-Chloronaphthalene	1.073	1.098		2.3	
2-Nitroaniline	0.311	0.299		-3.9	
Dimethylphthalate	1.530	1.534		0.3	
Acenaphthylene	1.693	1.726		1.9	
2,6-Dinitrotoluene	0.218	0.217		-0.5	
3-Nitroaniline	0.263	0.266		1.1	
Acenaphthene	1.157	1.176		1.6	20.0
2,4-Dinitrophenol	0.132	0.132	0.050	0.0	
4-Nitrophenol	0.244	0.236	0.050	-3.3	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: BNA_G Calibration Date/Time: 10/27/2025 11:57

Lab File ID: BG064583.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.902		1.7	
2,4-Dinitrotoluene	0.340	0.332		-2.4	
Diethylphthalate	1.563	1.538		-1.6	
4-Chlorophenyl-phenylether	0.820	0.816		-0.5	
Fluorene	1.460	1.460		0.0	
4-Nitroaniline	0.293	0.301		2.7	
4,6-Dinitro-2-methylphenol	0.079	0.080		1.3	
n-Nitrosodiphenylamine	0.540	0.565		4.6	20.0
2,4,6-Tribromophenol	0.289	0.288		-0.3	
4-Bromophenyl-phenylether	0.237	0.247		4.2	
Hexachlorobenzene	0.270	0.278		3.0	
Atrazine	0.232	0.221		-4.7	
Pentachlorophenol	0.169	0.169		0.0	20.0
Phenanthrene	1.094	1.114		1.8	
Anthracene	1.113	1.141		2.5	
Carbazole	0.981	0.995		1.4	
Di-n-butylphthalate	1.135	1.104		-2.7	
Fluoranthene	1.370	1.371		0.1	20.0
Pyrene	1.307	1.325		1.4	
Terphenyl-d14	1.060	1.070		0.8	
Butylbenzylphthalate	0.395	0.419		6.1	
3,3-Dichlorobenzidine	0.443	0.452		2.0	
Benzo(a)anthracene	1.326	1.373		3.5	
Chrysene	1.262	1.294		2.5	
Bis(2-ethylhexyl)phthalate	0.590	0.622		5.4	
Di-n-octyl phthalate	0.995	1.040		4.5	20.0
Benzo(b)fluoranthene	1.226	1.264		3.1	
Benzo(k)fluoranthene	1.227	1.298		5.8	
Benzo(a)pyrene	1.127	1.172		4.0	20.0
Indeno(1,2,3-cd)pyrene	1.471	1.523		3.5	
Dibenzo(a,h)anthracene	1.195	1.242		3.9	
Benzo(g,h,i)perylene	1.471	1.523		3.5	
1,2,4,5-Tetrachlorobenzene	0.671	0.671		0.0	
1,4-Dioxane	0.528	0.633		19.9	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.435		2.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Oct 27 12:47:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.220	152	39737	20.000	ng		0.00
21) Naphthalene-d8	11.046	136	173874	20.000	ng		0.00
39) Acenaphthene-d10	14.842	164	136456	20.000	ng		0.00
64) Phenanthrene-d10	17.580	188	324576	20.000	ng		0.00
76) Chrysene-d12	21.851	240	347536	20.000	ng		-0.01
86) Perylene-d12	25.194	264	368889	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.746	112	230506	97.366	ng		0.00
7) Phenol-d6	7.350	99	324858	100.000	ng		0.00
23) Nitrobenzene-d5	9.383	82	233175	80.547	ng		0.00
42) 2,4,6-Tribromophenol	16.316	330	157029	79.732	ng		0.00
45) 2-Fluorobiphenyl	13.473	172	726855	80.739	ng		0.00
79) Terphenyl-d14	20.171	244	1486757	80.733	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.590	88	50329	48.018	ng		96
3) Pyridine	3.995	79	195127	61.994	ng		97
4) n-Nitrosodimethylamine	3.901	42	79462	47.077	ng		96
6) Aniline	7.527	93	218097	49.338	ng		98
8) 2-Chlorophenol	7.773	128	125412	50.611	ng		97
9) Benzaldehyde	7.339	77	136425	76.923	ng		97
10) Phenol	7.380	94	179040	49.835	ng		96
11) bis(2-Chloroethyl)ether	7.527	93	218097	49.338	ng		98
12) 1,3-Dichlorobenzene	8.108	146	118958	41.710	ng		96
13) 1,4-Dichlorobenzene	8.255	146	120647	41.603	ng		99
14) 1,2-Dichlorobenzene	8.578	146	116103	41.508	ng		96
15) Benzyl Alcohol	8.449	79	115357	43.062	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.737	45	302812	43.704	ng		98
17) 2-Methylphenol	8.449	107	58865	43.960	ng		92
18) Hexachloroethane	9.325	117	42141	41.409	ng		98
19) n-Nitroso-di-n-propyla...	9.025	70	103213	45.972	ng		96
20) 3+4-Methylphenols	8.972	107	142872	42.591	ng		96
22) Acetophenone	9.042	105	195028	41.032	ng		95
24) Nitrobenzene	9.424	77	128864	40.927	ng		99
25) Isophorone	9.953	82	291391	41.948	ng		99
26) 2-Nitrophenol	10.141	139	39727	33.699	ng		92
27) 2,4-Dimethylphenol	10.188	122	109961	41.721	ng		94
28) bis(2-Chloroethoxy)met...	10.435	93	165991	41.969	ng		98
29) 2,4-Dichlorophenol	10.676	162	116926	42.048	ng		95
30) 1,2,4-Trichlorobenzene	10.905	180	128652	40.719	ng		99
31) Naphthalene	11.099	128	394232	40.895	ng		99
32) Benzoic acid	10.317	122	61367	34.567	ng		93
33) 4-Chloroaniline	11.187	127	156793	41.846	ng		98
34) Hexachlorobutadiene	11.387	225	100526	40.684	ng		98
35) Caprolactam	11.951	113	41048	38.487	ng	#	88
36) 4-Chloro-3-methylphenol	12.292	107	139274	41.668	ng		98
37) 2-Methylnaphthalene	12.685	142	292711	41.357	ng		99
38) 1-Methylnaphthalene	12.903	142	286227	41.099	ng		98
40) 1,2,4,5-Tetrachloroben...	13.050	216	183039	39.969	ng		99
41) Hexachlorocyclopentadiene	13.038	237	75893	36.818	ng		98
43) 2,4,6-Trichlorophenol	13.279	196	108131	41.278	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Oct 27 12:47:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

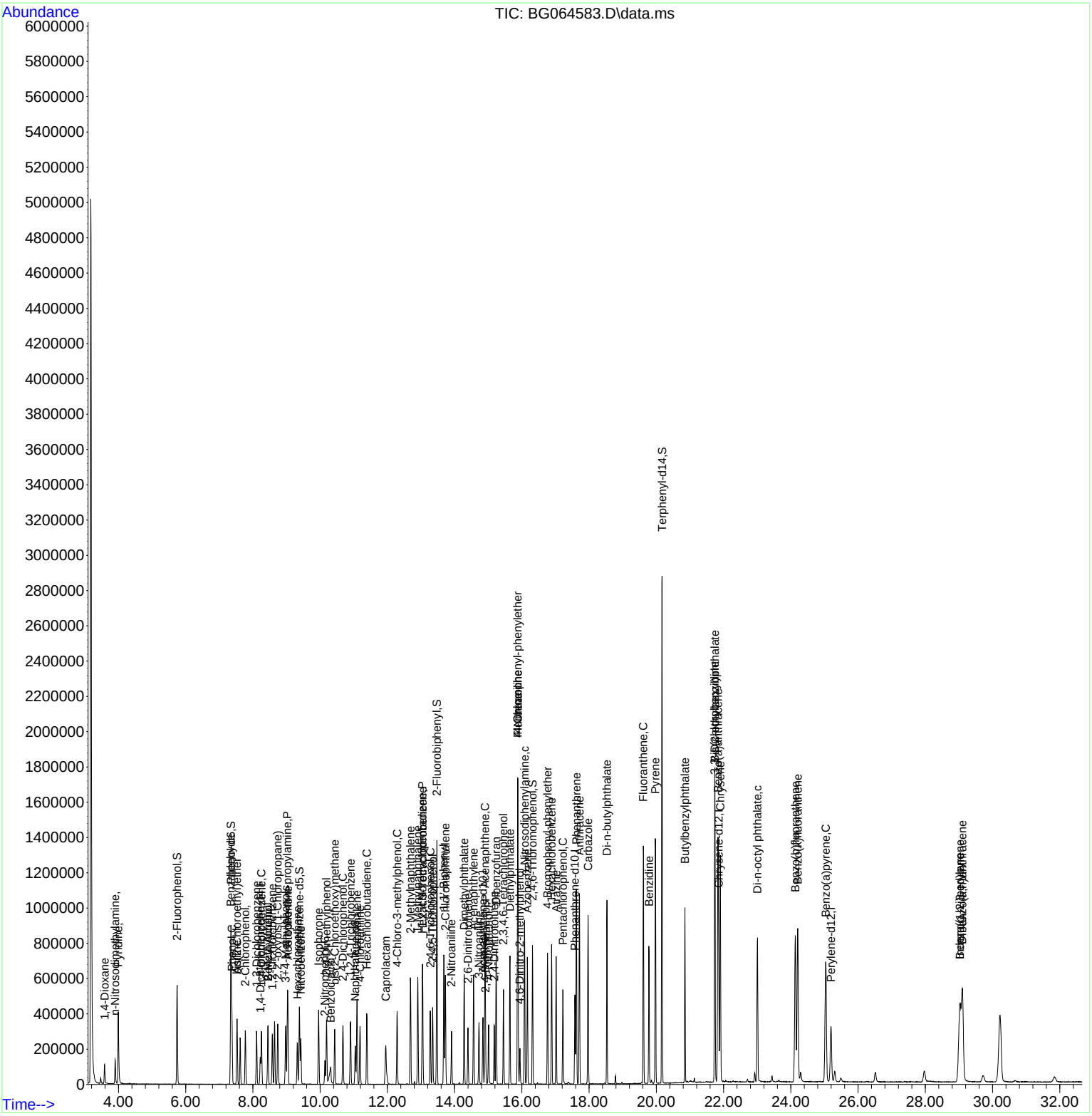
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.343	196	123941	41.000	ng		99
46) 1,1'-Biphenyl	13.678	154	397857	41.012	ng		97
47) 2-Chloronaphthalene	13.725	162	299701	40.928	ng		99
48) 2-Nitroaniline	13.907	65	81503	34.152	ng		93
49) Acenaphthylene	14.565	152	471014	40.780	ng		99
50) Dimethylphthalate	14.283	163	418670	40.096	ng		100
51) 2,6-Dinitrotoluene	14.395	165	59354	35.352	ng		98
52) Acenaphthene	14.906	154	320852	40.659	ng		99
53) 3-Nitroaniline	14.724	138	72727	40.529	ng		92
54) 2,4-Dinitrophenol	14.924	184	35977	37.232	ng		97
55) Dibenzofuran	15.235	168	519158	40.693	ng		99
56) 4-Nitrophenol	15.012	139	64395	38.706	ng		97
57) 2,4-Dinitrotoluene	15.182	165	90701	34.936	ng	#	95
58) Fluorene	15.882	166	398395	39.986	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.453	232	118842	41.112	ng		98
60) Diethylphthalate	15.647	149	419702	39.366	ng		100
61) 4-Chlorophenyl-phenyle...	15.876	204	222810	39.849	ng		96
62) 4-Nitroaniline	15.882	138	82074	41.112	ng		96
63) Azobenzene	16.164	77	404156	41.315	ng		99
65) 4,6-Dinitro-2-methylph...	15.940	198	51664	37.510	ng		97
66) n-Nitrosodiphenylamine	16.081	169	367072	41.867	ng		99
67) 4-Bromophenyl-phenylether	16.763	248	160468	41.720	ng		99
68) Hexachlorobenzene	16.886	284	180323	41.094	ng		97
69) Atrazine	17.021	200	143289	37.977	ng		98
70) Pentachlorophenol	17.221	266	109806	40.129	ng		91
71) Phenanthrene	17.621	178	723122	40.740	ng		99
72) Anthracene	17.715	178	740918	41.035	ng		98
73) Carbazole	17.967	167	645806	40.561	ng		99
74) Di-n-butylphthalate	18.531	149	716403	38.911	ng		99
75) Fluoranthene	19.612	202	889861	40.019	ng		100
77) Benzidine	19.783	184	466575	59.923	ng		99
78) Pyrene	19.971	202	921148	40.568	ng		98
80) Butylbenzylphthalate	20.852	149	290894	42.388	ng		96
81) Benzo(a)anthracene	21.833	228	954317	41.414	ng		99
82) 3,3'-Dichlorobenzidine	21.733	252	314331	40.849	ng		99
83) Chrysene	21.904	228	899714	41.033	ng		97
84) Bis(2-ethylhexyl)phtha...	21.745	149	432180	42.146	ng		97
85) Di-n-octyl phthalate	23.008	149	722967	41.817	ng		100
87) Indeno(1,2,3-cd)pyrene	29.031	276	1123402	41.398	ng		99
88) Benzo(b)fluoranthene	24.137	252	932900	41.242	ng		98
89) Benzo(k)fluoranthene	24.207	252	957914	42.319	ng		98
90) Benzo(a)pyrene	25.041	252	864413	41.573	ng		100
91) Dibenzo(a,h)anthracene	29.101	278	916106	41.553	ng		98
92) Benzo(g,h,i)perylene	29.031	276	1123402	41.398	ng		99

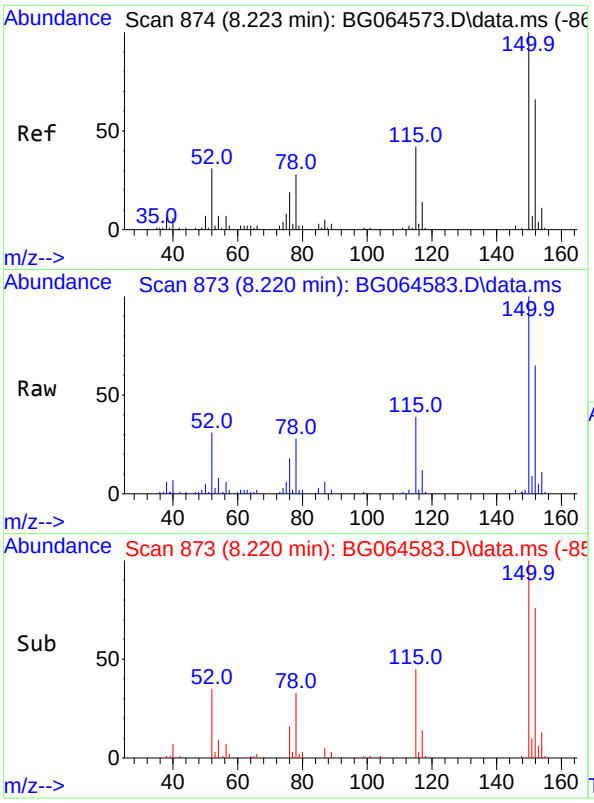
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Oct 27 12:47:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



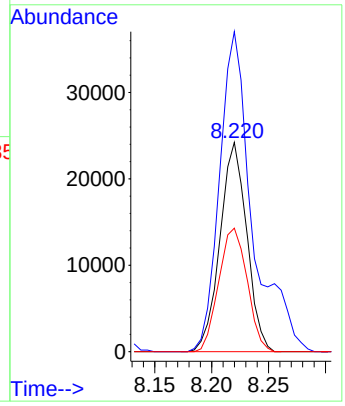


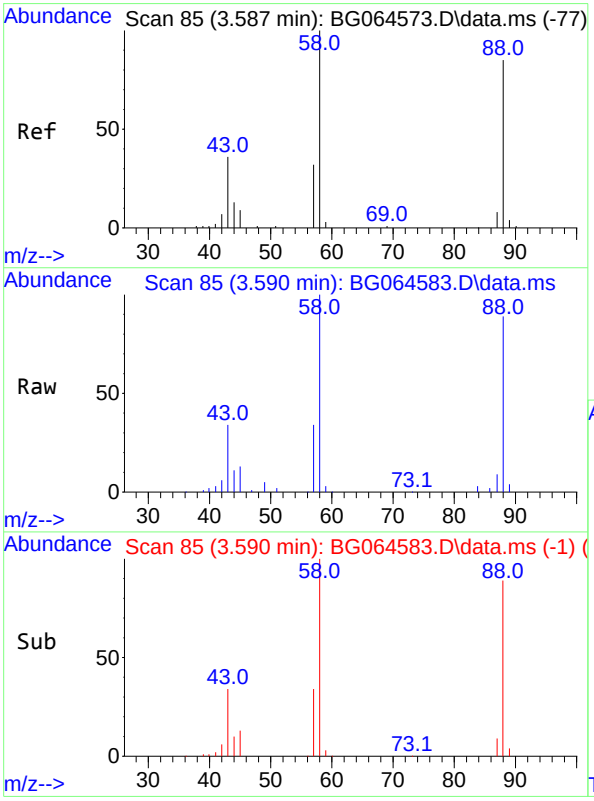
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.220 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 39737

Ion	Ratio	Lower	Upper
152	100		
150	152.9	122.2	183.4
115	59.0	50.8	76.2

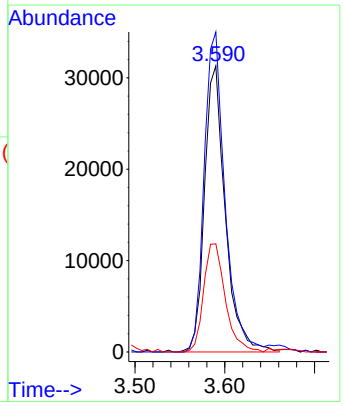


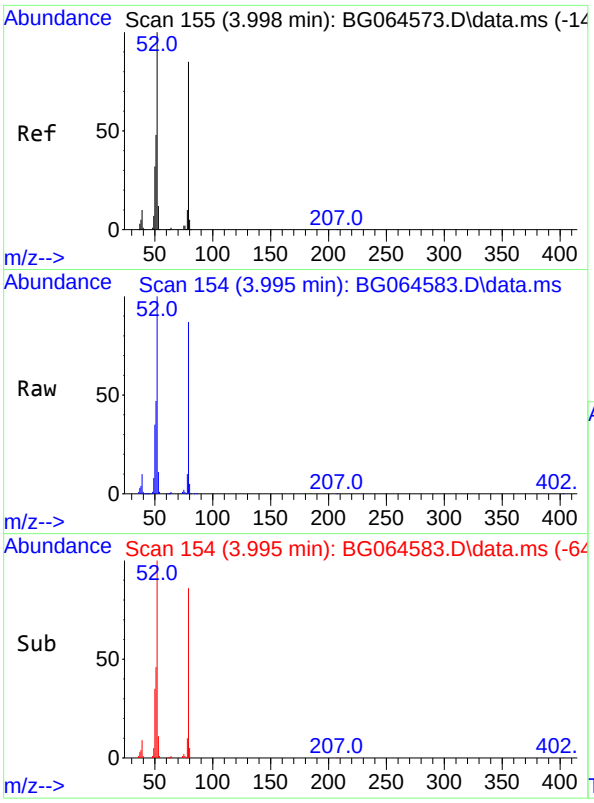


#2
1,4-Dioxane
Concen: 48.018 ng
RT: 3.590 min Scan# 85
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 88 Resp: 50329

Ion	Ratio	Lower	Upper
88	100		
58	111.3	92.4	138.6
43	39.5	33.0	49.6



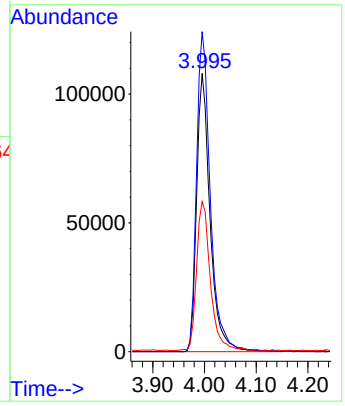


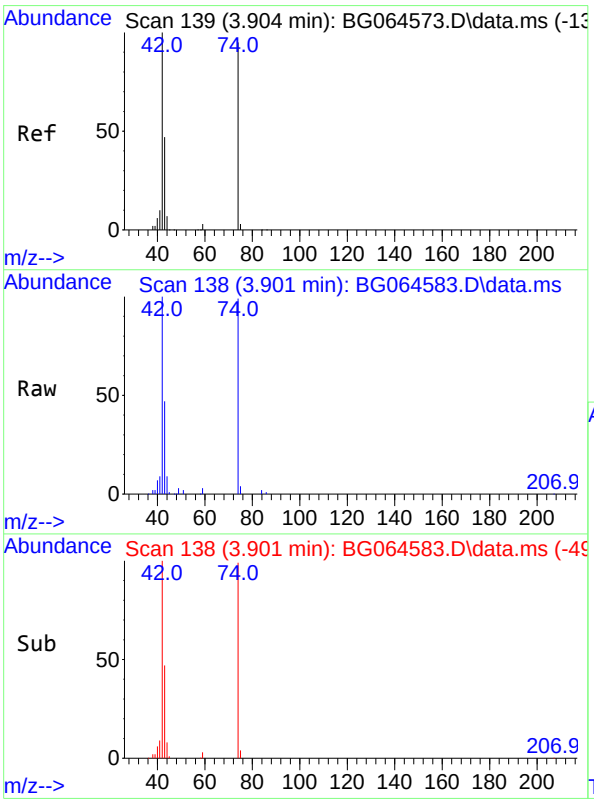
#3
Pyridine
Concen: 61.994 ng
RT: 3.995 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 195127

Ion	Ratio	Lower	Upper
79	100		
52	115.0	94.2	141.2
51	53.9	46.1	69.1

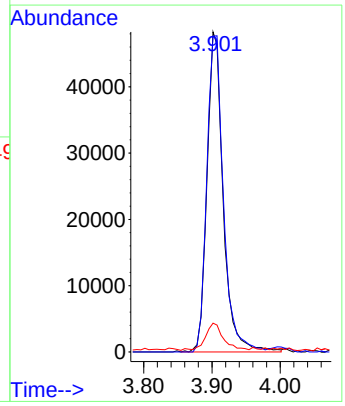


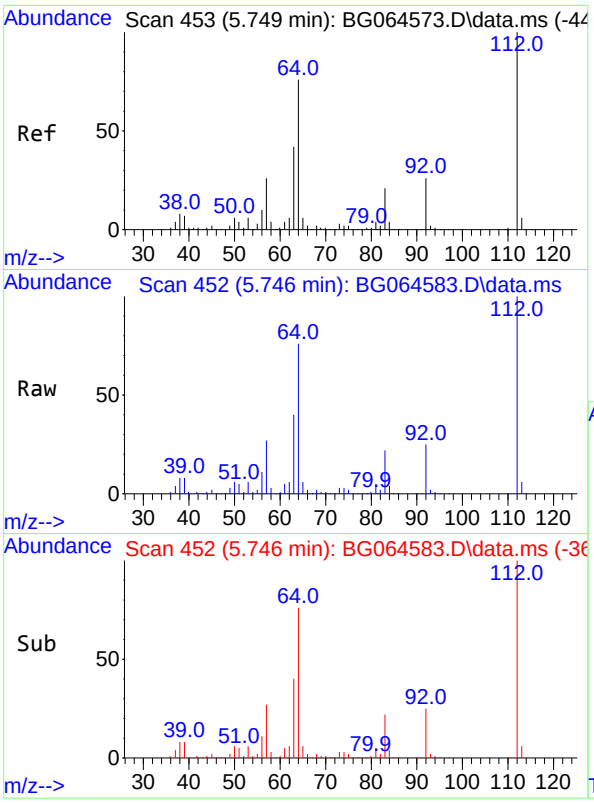


#4
n-Nitrosodimethylamine
Concen: 47.077 ng
RT: 3.901 min Scan# 138
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 42 Resp: 79462

Ion	Ratio	Lower	Upper
42	100		
74	98.7	76.1	114.1
44	9.0	6.3	9.5



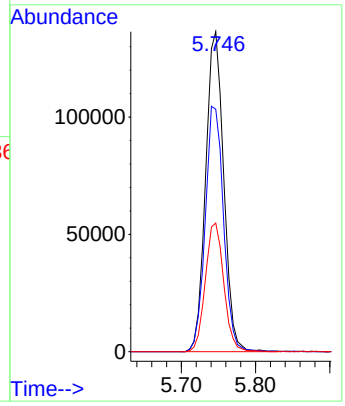


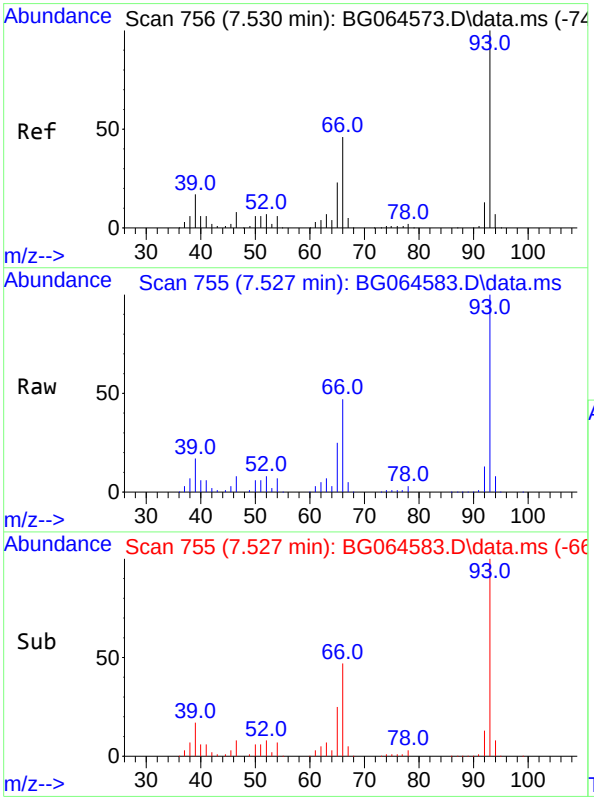
#5
2-Fluorophenol
Concen: 97.366 ng
RT: 5.746 min Scan# 4
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 230506

Ion	Ratio	Lower	Upper
112	100		
64	75.7	60.7	91.1
63	40.2	33.4	50.0

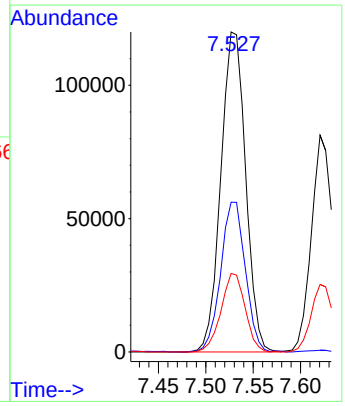


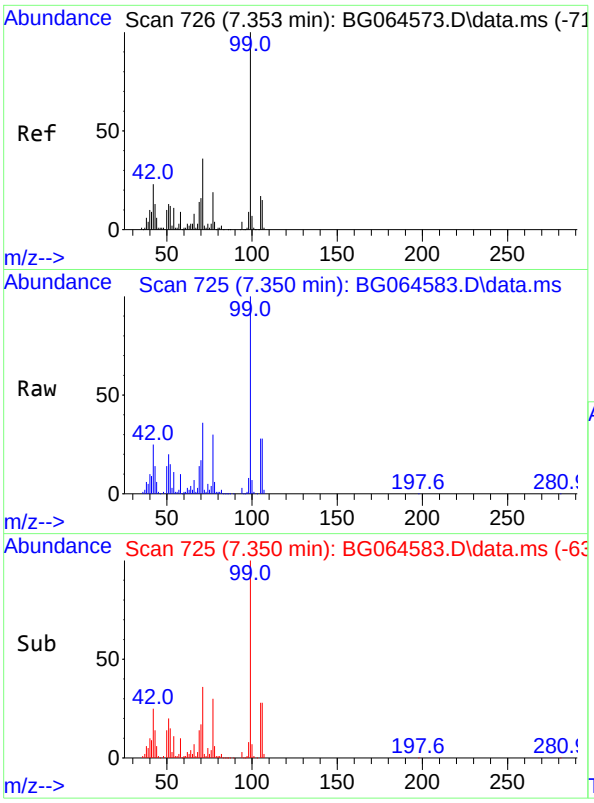


#6
Aniline
Concen: 49.338 ng
RT: 7.527 min Scan# 755
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 93 Resp: 218097

Ion	Ratio	Lower	Upper
93	100		
66	46.8	37.0	55.6
65	24.6	18.3	27.5



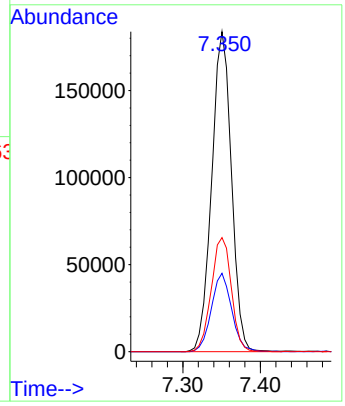


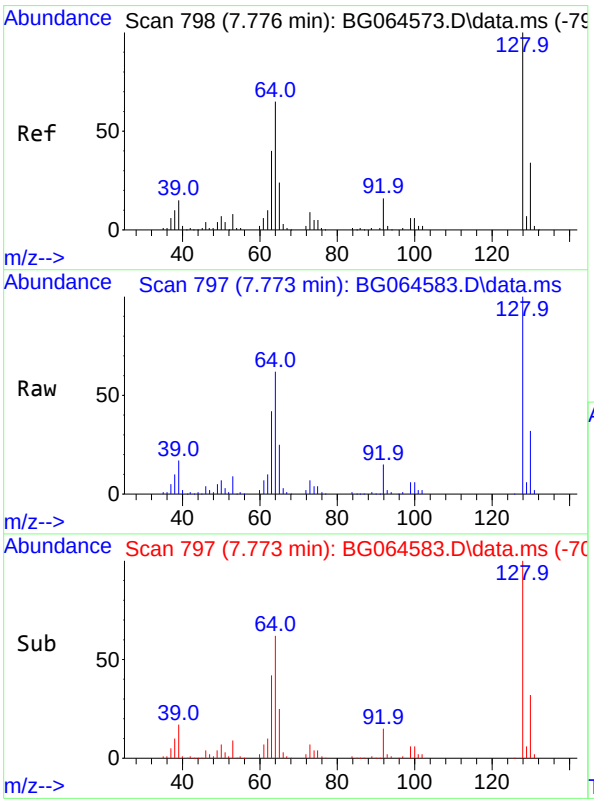
#7
Phenol-d6
Concen: 100.000 ng
RT: 7.350 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 324858

Ion	Ratio	Lower	Upper
99	100		
42	24.5	18.3	27.5
71	35.6	28.6	43.0

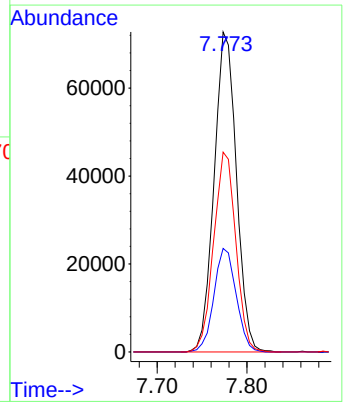


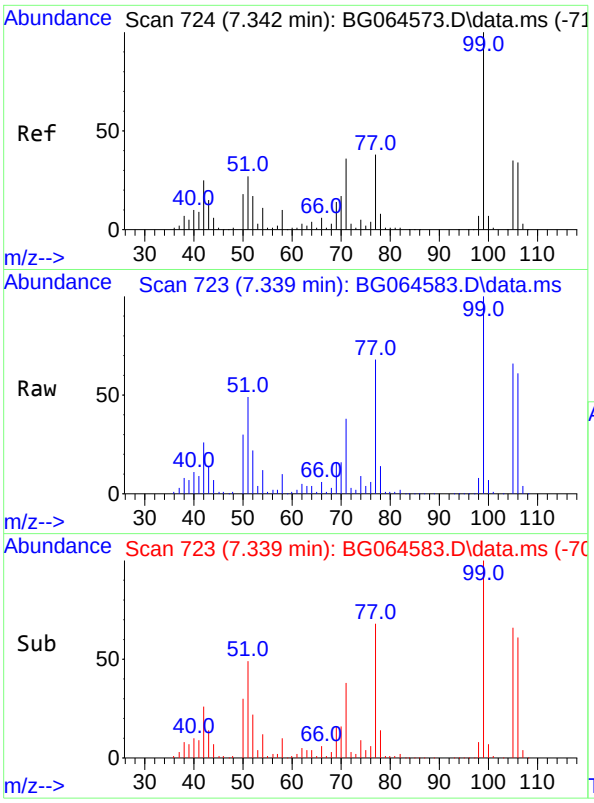


#8
2-Chlorophenol
Concen: 50.611 ng
RT: 7.773 min Scan# 797
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:128 Resp: 125412

Ion	Ratio	Lower	Upper
128	100		
130	32.3	13.5	53.5
64	62.5	45.2	85.2



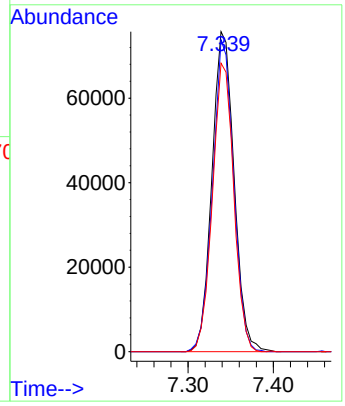


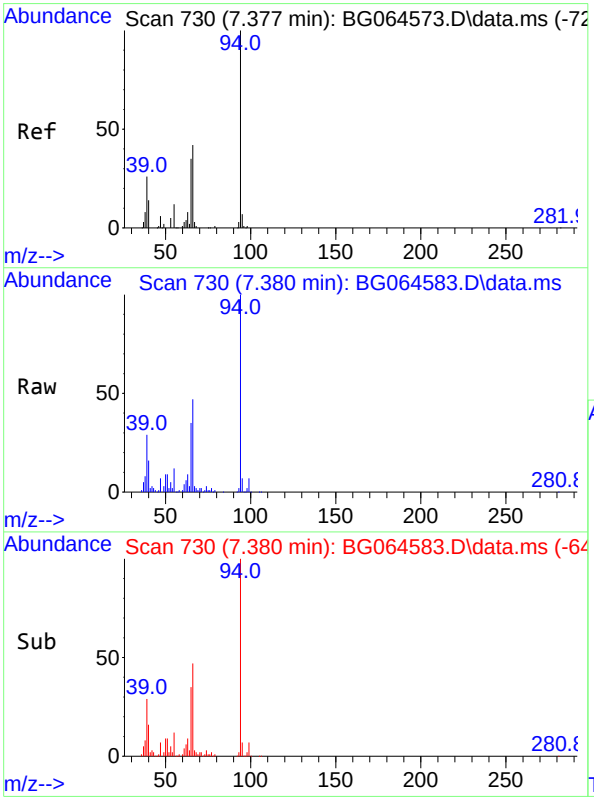
#9
Benzaldehyde
Concen: 76.923 ng
RT: 7.339 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 136425

Ion	Ratio	Lower	Upper
77	100		
105	97.5	72.9	112.9
106	90.2	70.8	110.8

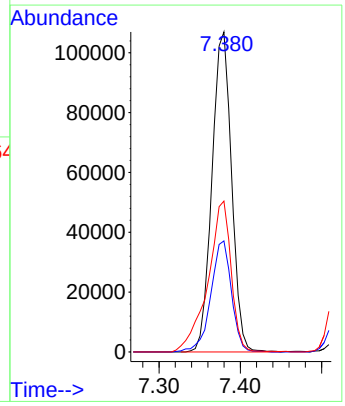


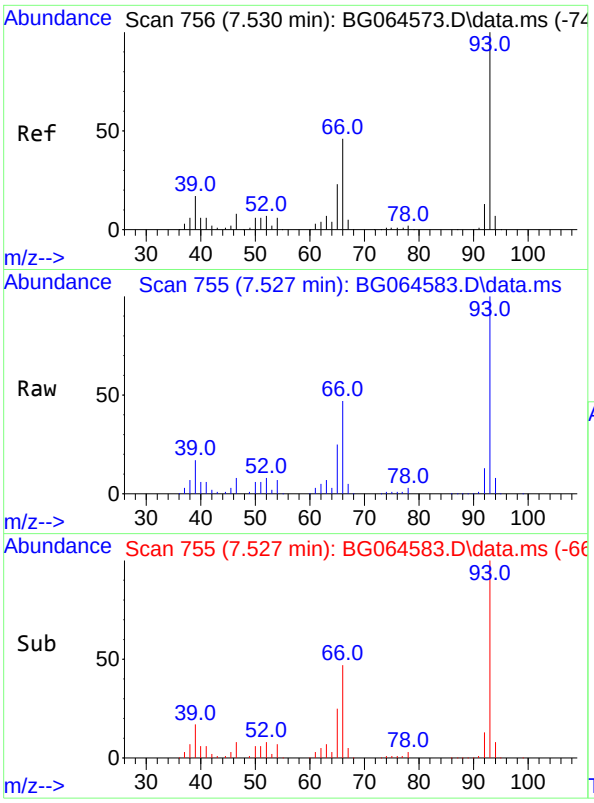


#10
Phenol
Concen: 49.835 ng
RT: 7.380 min Scan# 730
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 94 Resp: 179040

Ion	Ratio	Lower	Upper
94	100		
65	34.7	15.8	55.8
66	47.2	24.0	64.0



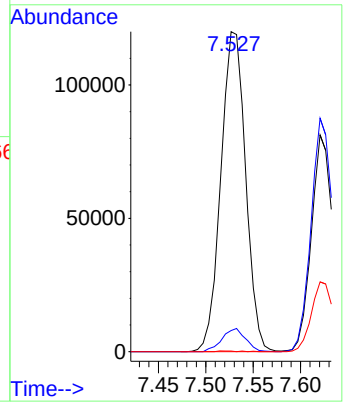


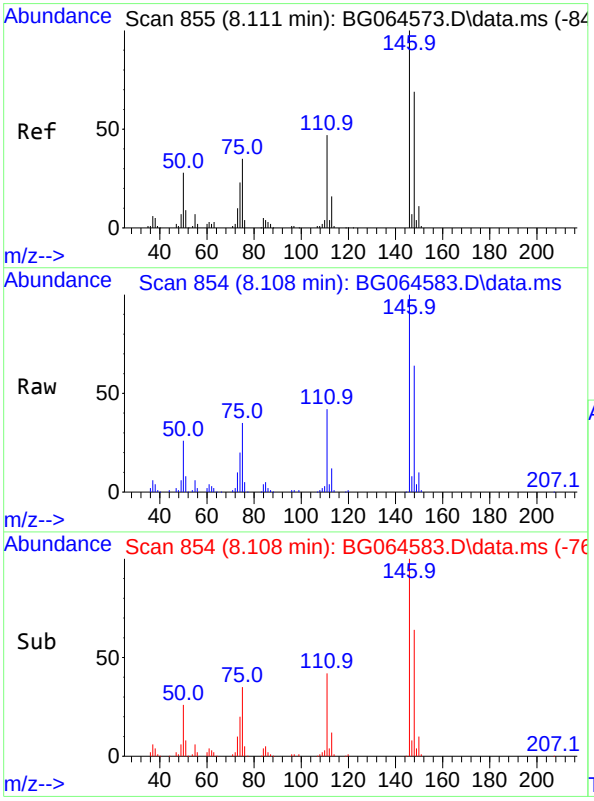
#11
bis(2-Chloroethyl)ether
Concen: 49.338 ng
RT: 7.527 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 218097

Ion	Ratio	Lower	Upper
93	100		
63	6.6	0.0	27.4
95	0.2	0.0	20.2

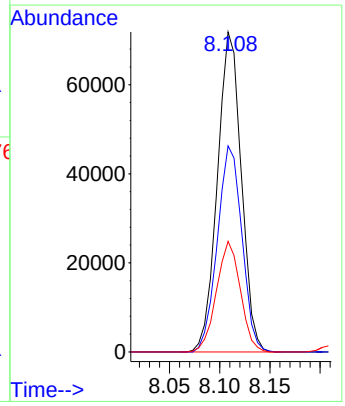


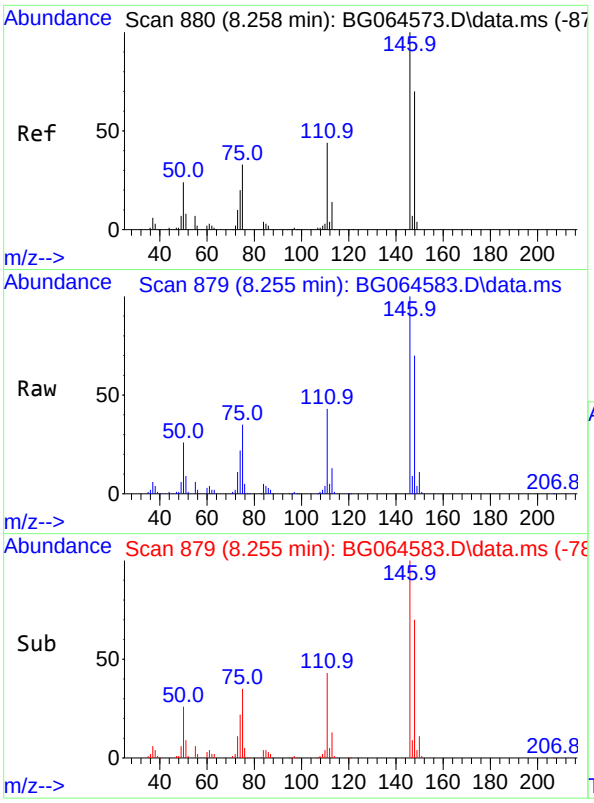


#12
1,3-Dichlorobenzene
Concen: 41.710 ng
RT: 8.108 min Scan# 854
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:146 Resp: 118958

Ion	Ratio	Lower	Upper
146	100		
148	64.4	55.3	82.9
75	34.6	28.2	42.2



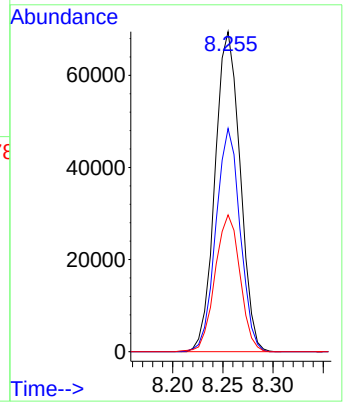


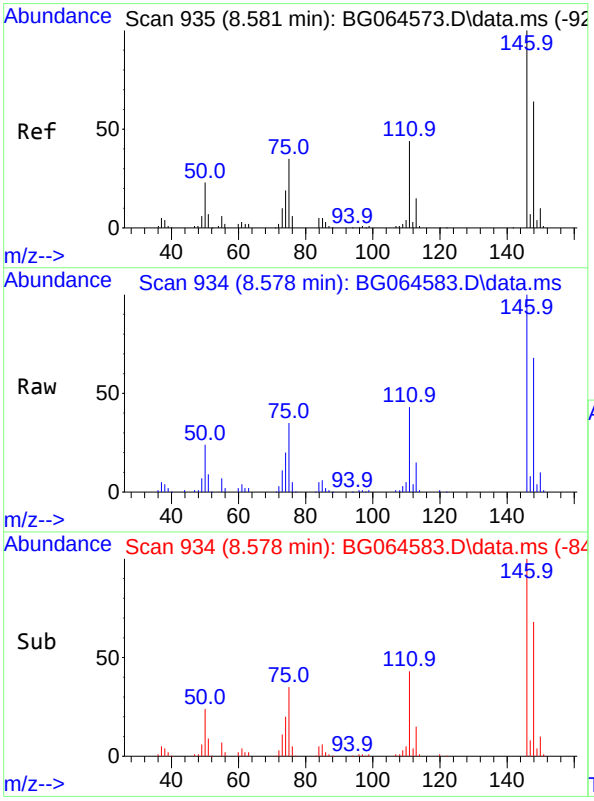
#13
1,4-Dichlorobenzene
Concen: 41.603 ng
RT: 8.255 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 120647

Ion	Ratio	Lower	Upper
146	100		
148	69.8	56.2	84.4
111	42.8	35.4	53.0

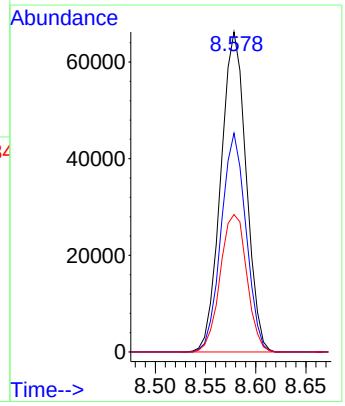


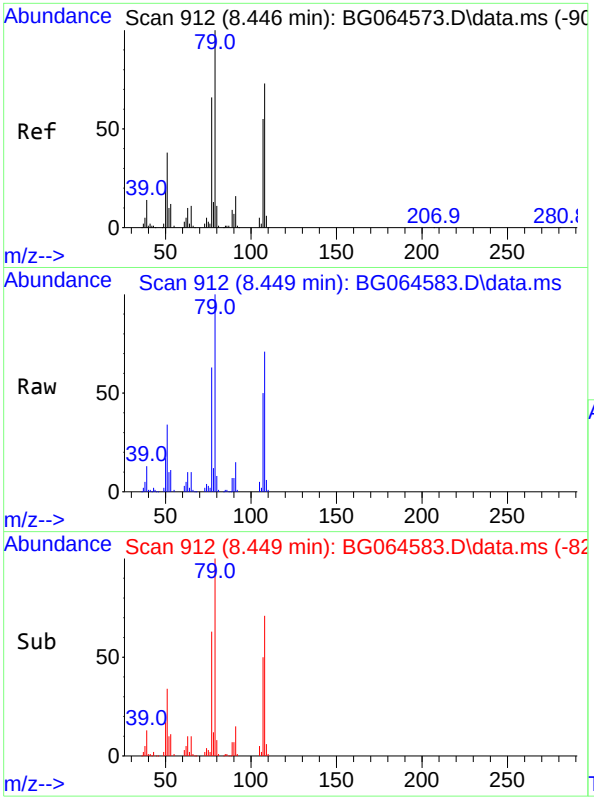


#14
1,2-Dichlorobenzene
Concen: 41.508 ng
RT: 8.578 min Scan# 934
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:146 Resp: 116103

Ion	Ratio	Lower	Upper
146	100		
148	68.4	51.5	77.3
111	43.0	35.0	52.6



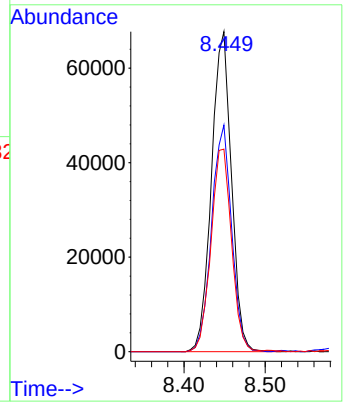


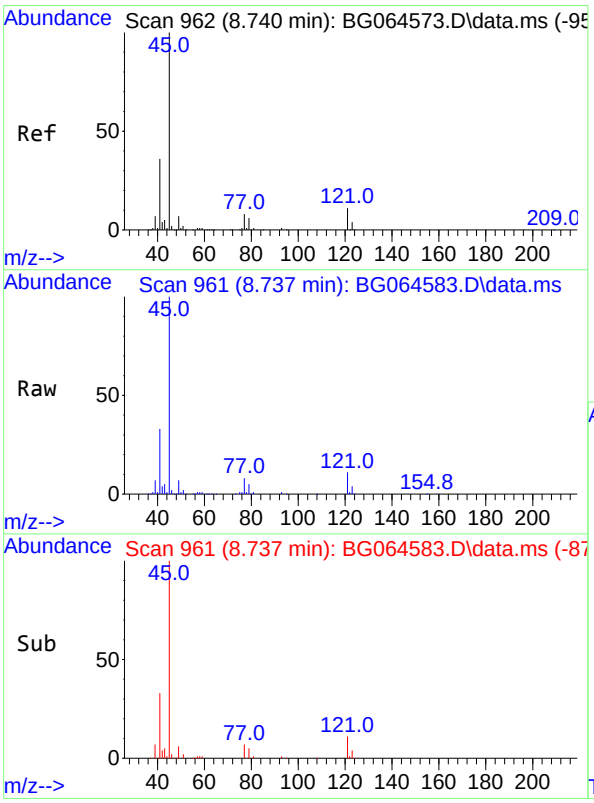
#15
Benzyl Alcohol
Concen: 43.062 ng
RT: 8.449 min Scan# 9
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 115357

Ion	Ratio	Lower	Upper
79	100		
108	70.8	58.1	87.1
77	63.3	52.8	79.2

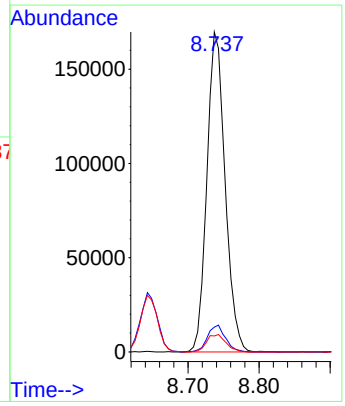


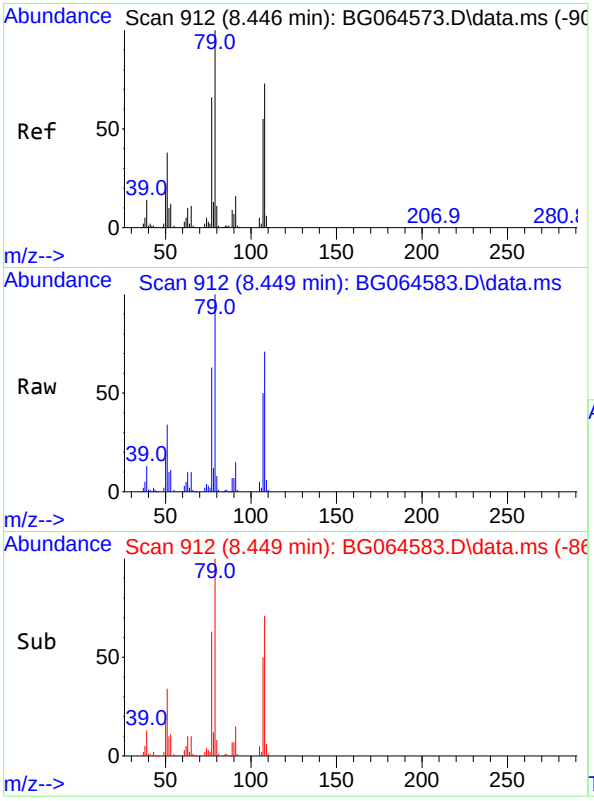


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.704 ng
RT: 8.737 min Scan# 961
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 45 Resp: 302812

Ion	Ratio	Lower	Upper
45	100		
77	7.8	0.0	28.5
79	5.0	0.0	25.6



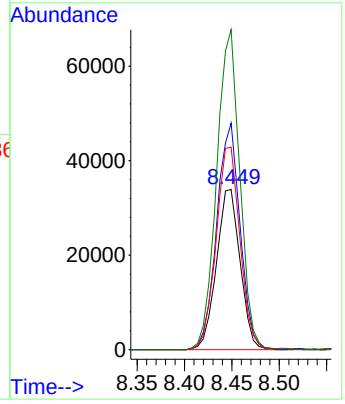


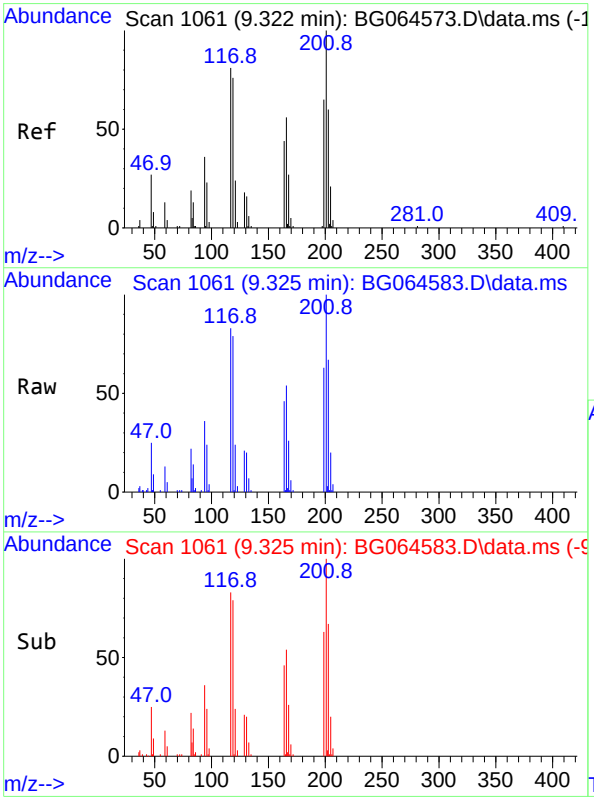
#17
2-Methylphenol
Concen: 43.960 ng
RT: 8.449 min Scan# 9
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 58865

Ion	Ratio	Lower	Upper
107	100		
108	141.3	106.4	159.6
77	126.3	96.7	145.1
79	199.5	146.6	219.8

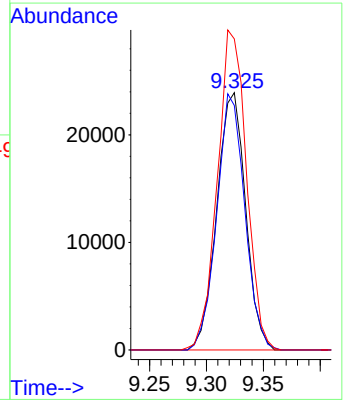


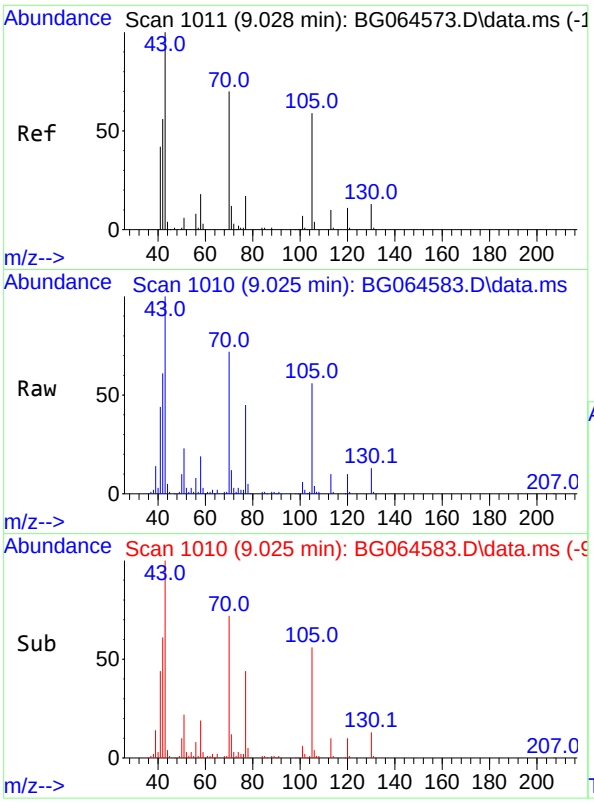


#18
Hexachloroethane
Concen: 41.409 ng
RT: 9.325 min Scan# 1061
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:117 Resp: 42141

Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.4	113.2
201	120.9	99.2	148.8



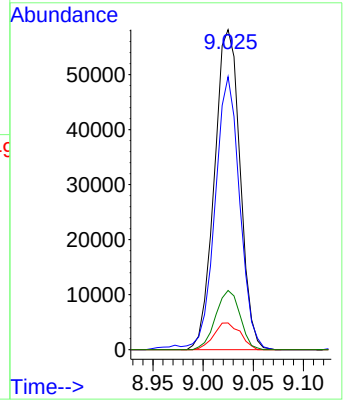


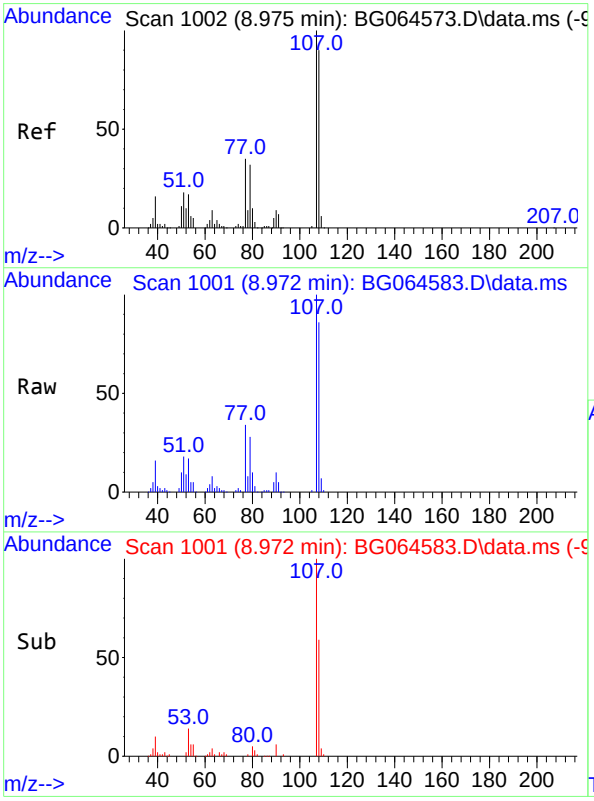
#19
n-Nitroso-di-n-propylamine
Concen: 45.972 ng
RT: 9.025 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 103213

Ion	Ratio	Lower	Upper
70	100		
42	85.3	65.2	97.8
101	8.4	7.9	11.9
130	18.5	14.3	21.5

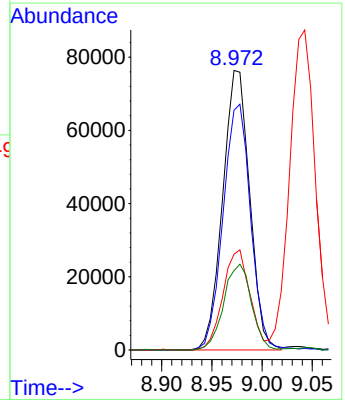


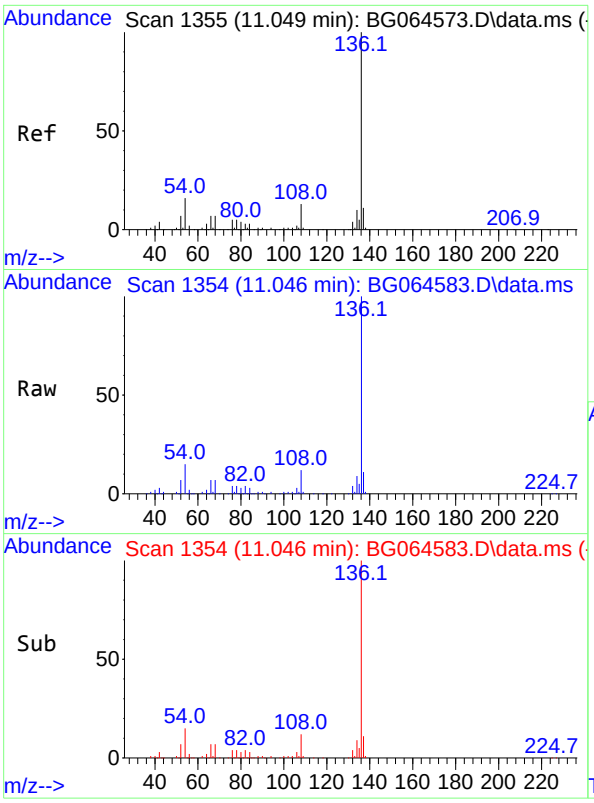


#20
3+4-Methylphenols
Concen: 42.591 ng
RT: 8.972 min Scan# 1001
Delta R.T. -0.012 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:107 Resp: 142872

Ion	Ratio	Lower	Upper
107	100		
108	85.8	70.3	110.3
77	34.2	14.6	54.6
79	28.4	11.7	51.7



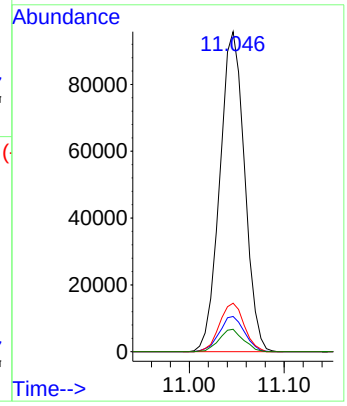


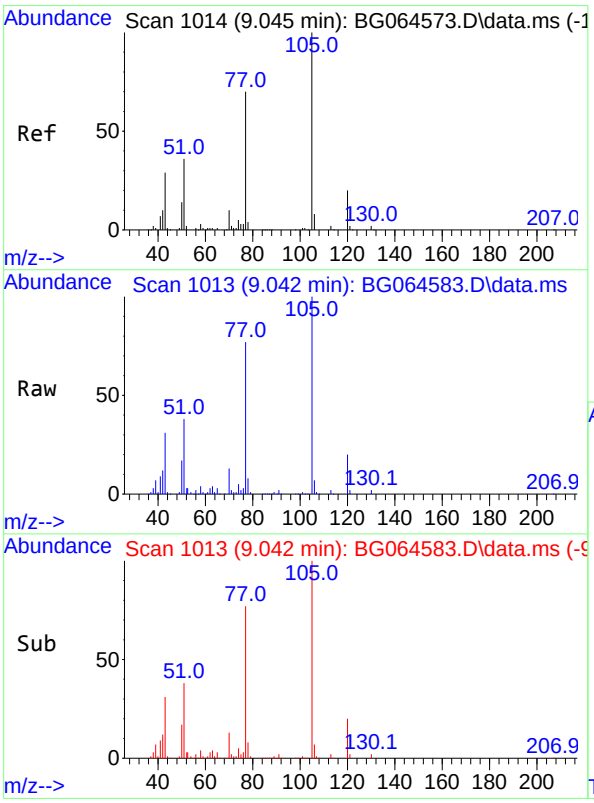
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.046 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 173874

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.2	13.8
54	15.2	12.6	19.0
68	7.0	5.7	8.5

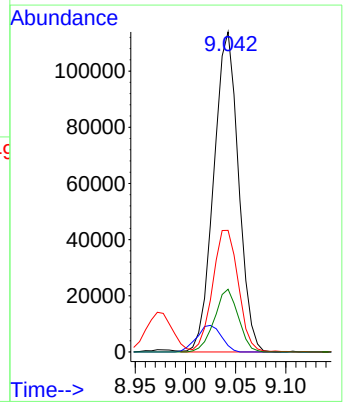


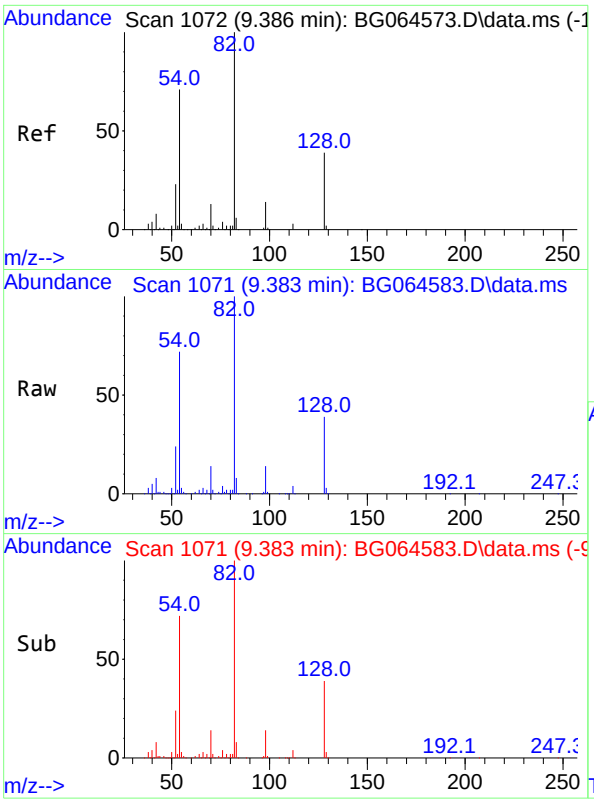


#22
Acetophenone
Concen: 41.032 ng
RT: 9.042 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:105 Resp: 195028

Ion	Ratio	Lower	Upper
105	100		
71	2.0	1.5	2.3
51	38.0	33.7	50.5
120	19.6	16.1	24.1



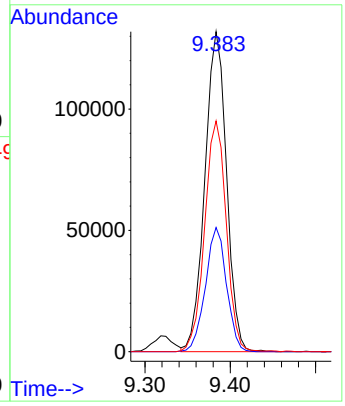


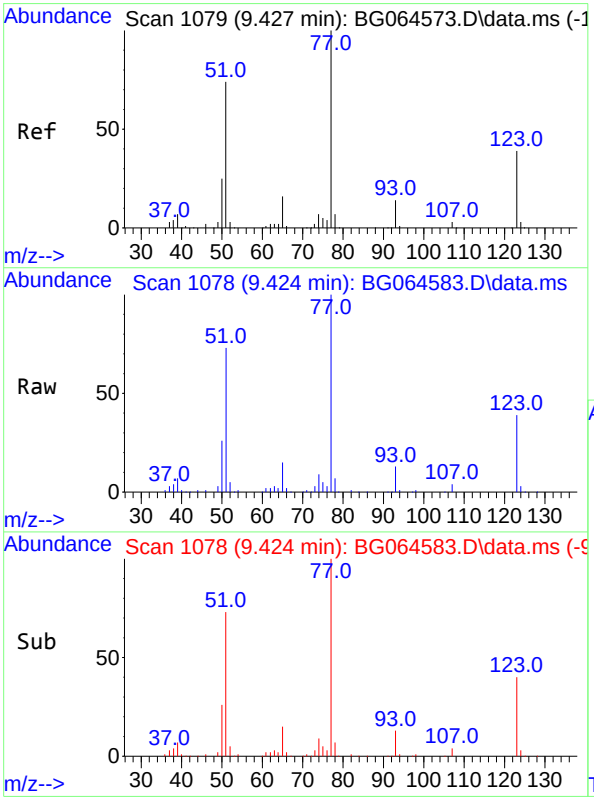
#23
Nitrobenzene-d5
Concen: 80.547 ng
RT: 9.383 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 233175

Ion	Ratio	Lower	Upper
82	100		
128	38.8	31.3	46.9
54	72.1	56.6	84.8

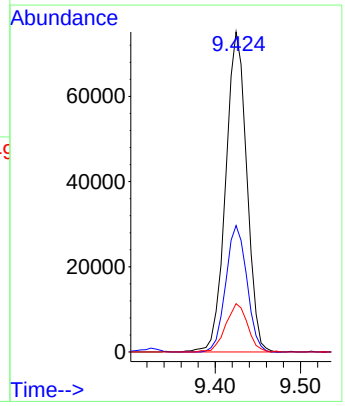


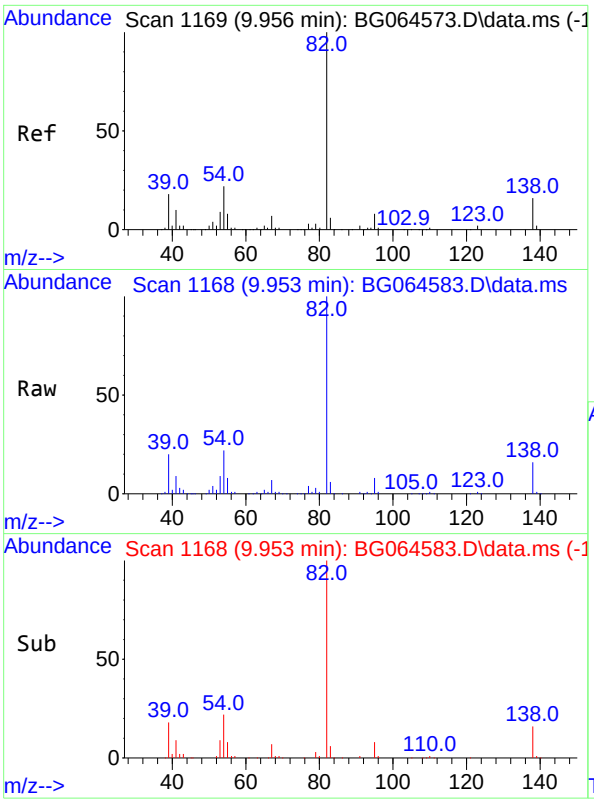


#24
Nitrobenzene
Concen: 40.927 ng
RT: 9.424 min Scan# 1078
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 77 Resp: 128864

Ion	Ratio	Lower	Upper
77	100		
123	39.5	31.0	46.6
65	15.1	12.7	19.1



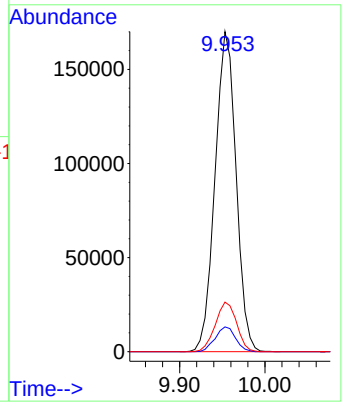


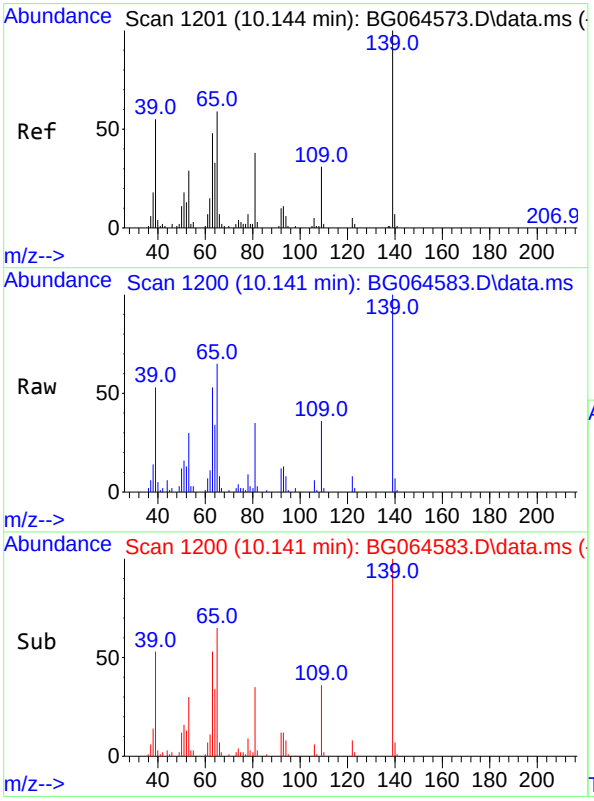
#25
Isophorone
Concen: 41.948 ng
RT: 9.953 min Scan# 11
Delta R.T. -0.013 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 291391

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.1	9.1
138	15.5	13.0	19.4

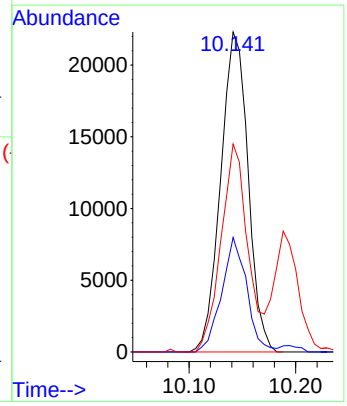


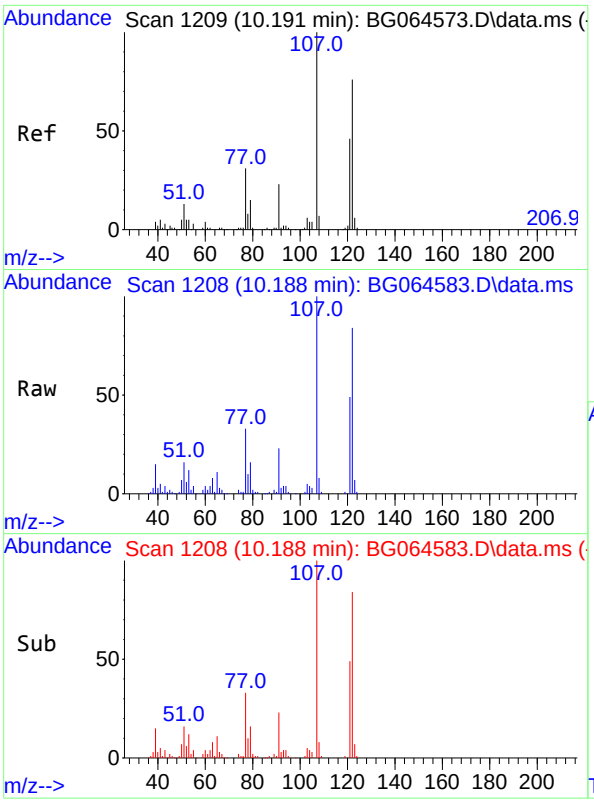


#26
2-Nitrophenol
Concen: 33.699 ng
RT: 10.141 min Scan# 1200
Delta R.T. -0.007 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:139 Resp: 39727

Ion	Ratio	Lower	Upper
139	100		
109	35.8	24.6	37.0
65	65.0	47.5	71.3



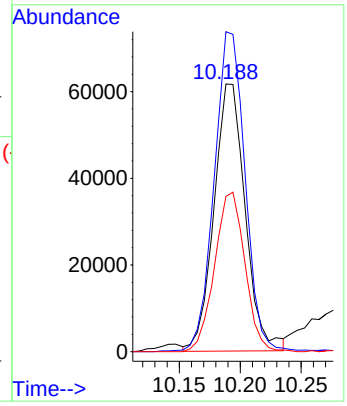


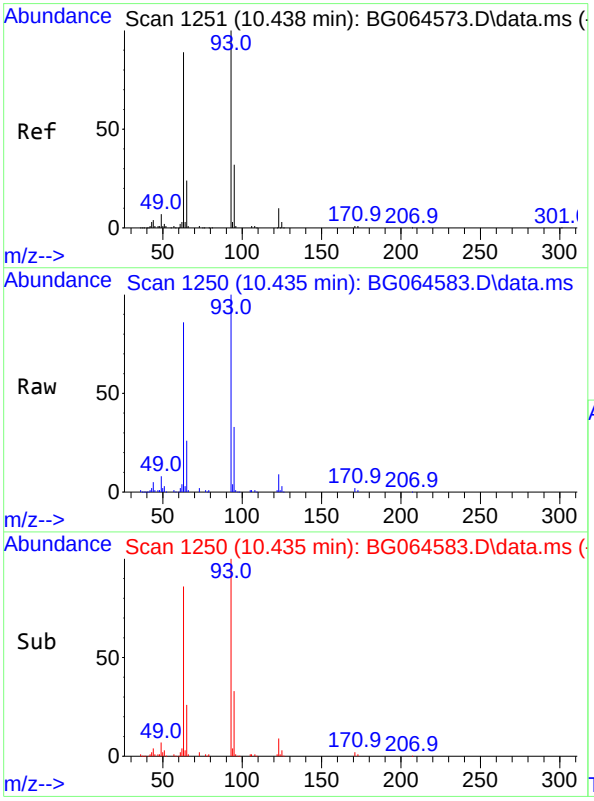
#27
2,4-Dimethylphenol
Concen: 41.721 ng
RT: 10.188 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 109961

Ion	Ratio	Lower	Upper
122	100		
107	119.6	103.0	154.4
121	58.0	47.8	71.8

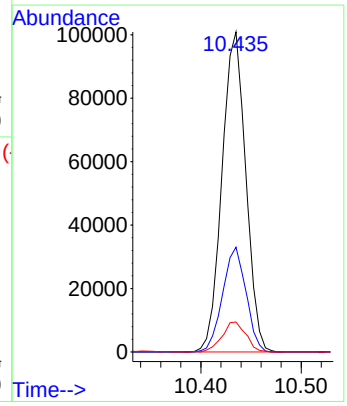


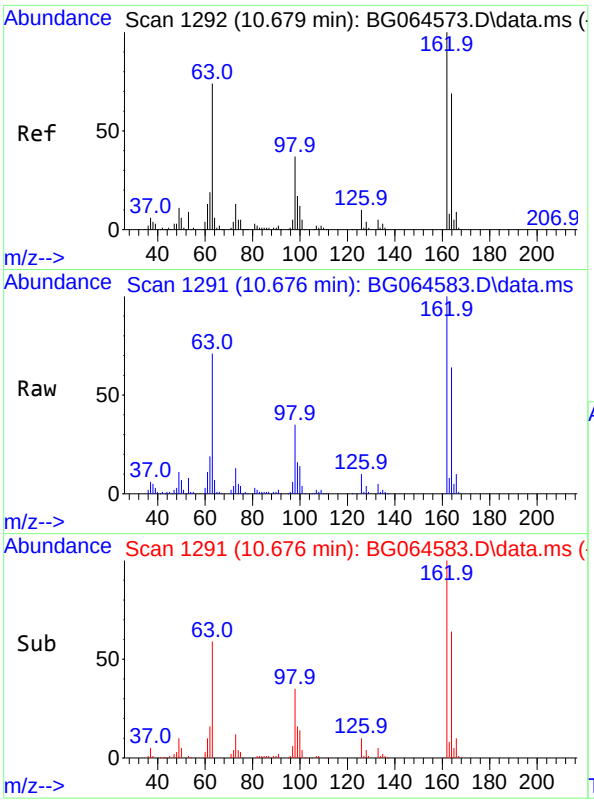


#28
bis(2-Chloroethoxy)methane
Concen: 41.969 ng
RT: 10.435 min Scan# 1250
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 93 Resp: 165991

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.4	38.2
123	9.3	8.4	12.6



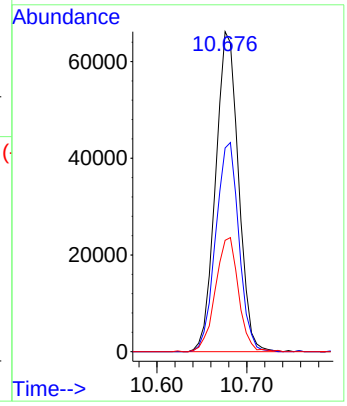


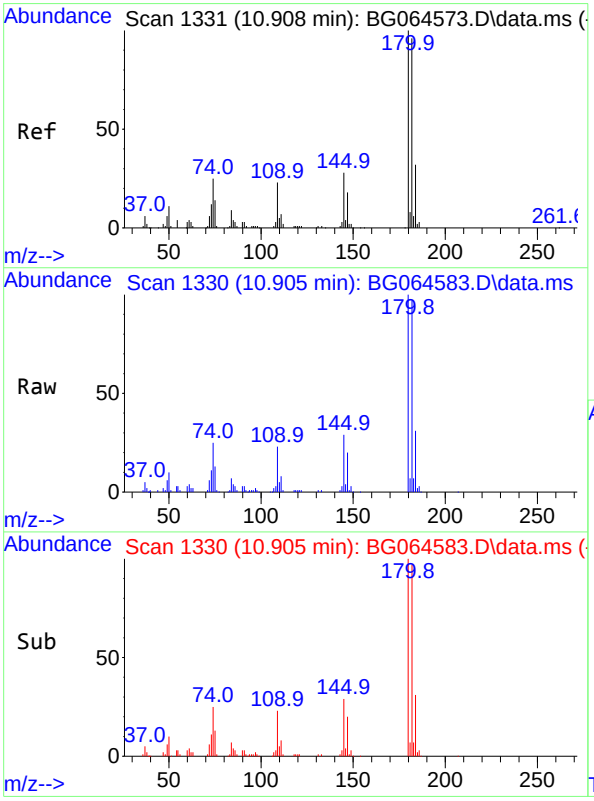
#29
2,4-Dichlorophenol
Concen: 42.048 ng
RT: 10.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 116926

Ion	Ratio	Lower	Upper
162	100		
164	63.6	48.7	88.7
98	34.8	16.9	56.9

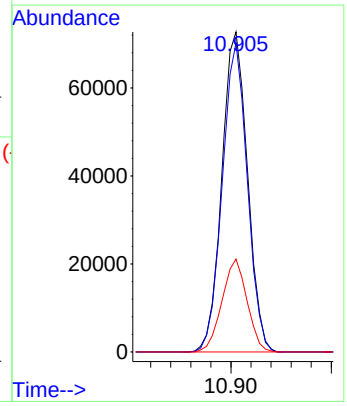


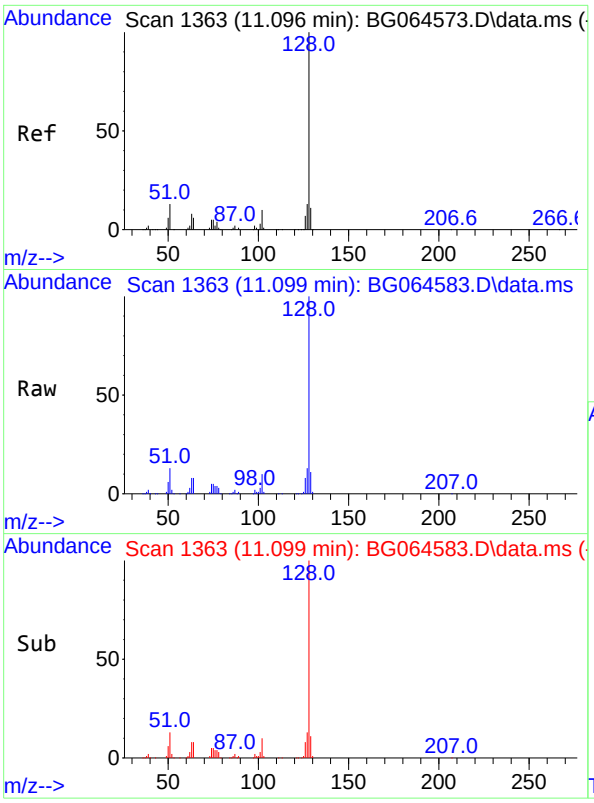


#30
1,2,4-Trichlorobenzene
Concen: 40.719 ng
RT: 10.905 min Scan# 1330
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:180 Resp: 128652

Ion	Ratio	Lower	Upper
180	100		
182	96.6	76.9	115.3
145	29.0	22.1	33.1



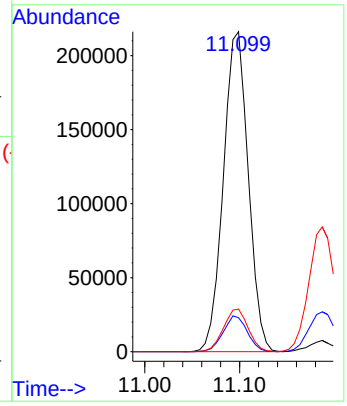


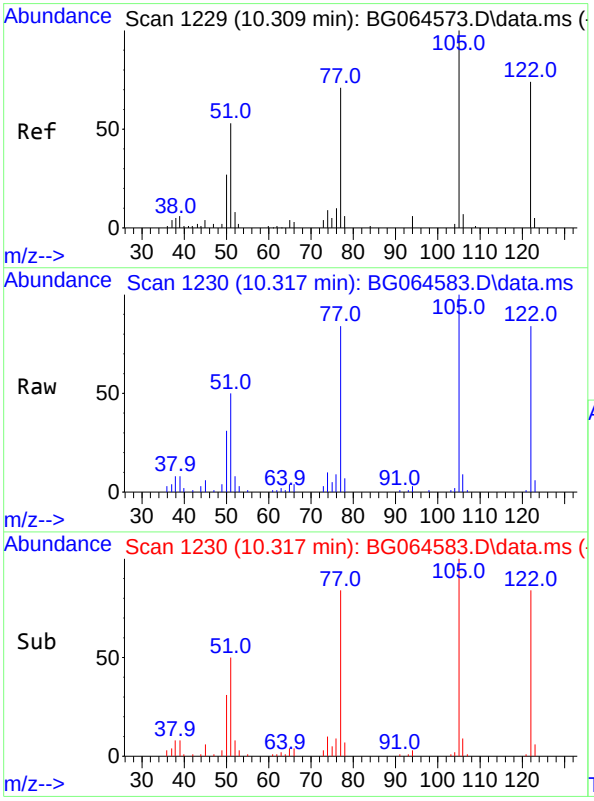
#31
Naphthalene
Concen: 40.895 ng
RT: 11.099 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 394232

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	13.3	10.6	15.8

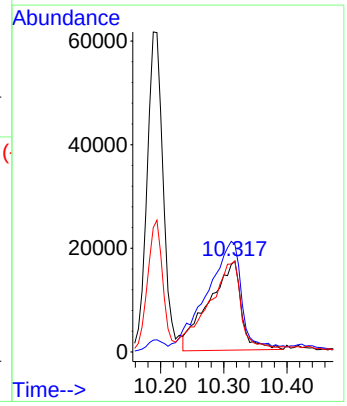


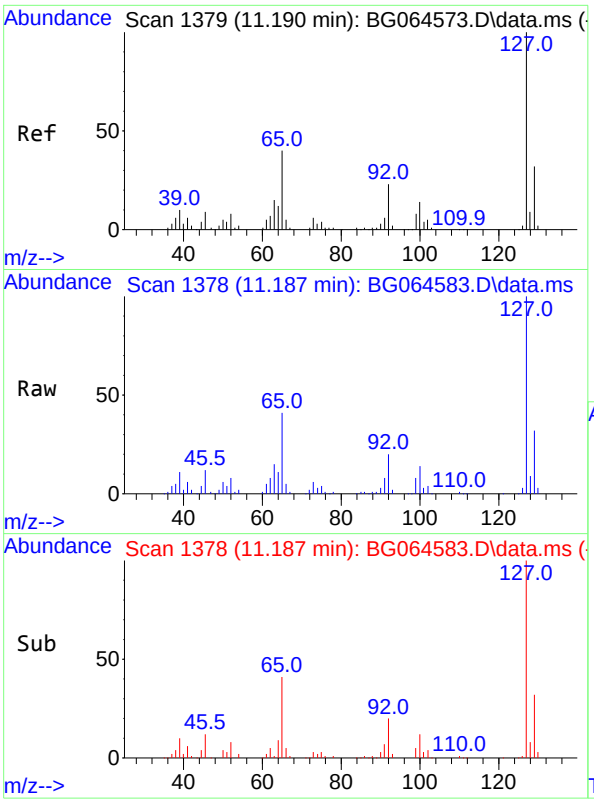


#32
Benzoic acid
Concen: 34.567 ng
RT: 10.317 min Scan# 1230
Delta R.T. -0.025 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:122 Resp: 61367

Ion	Ratio	Lower	Upper
122	100		
105	118.5	104.2	144.2
77	100.0	70.2	110.2



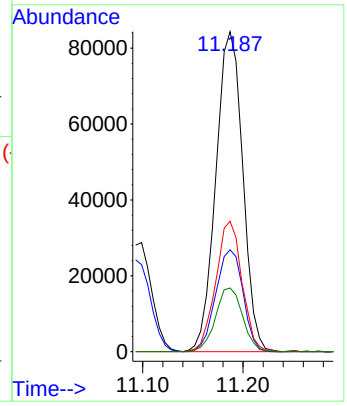


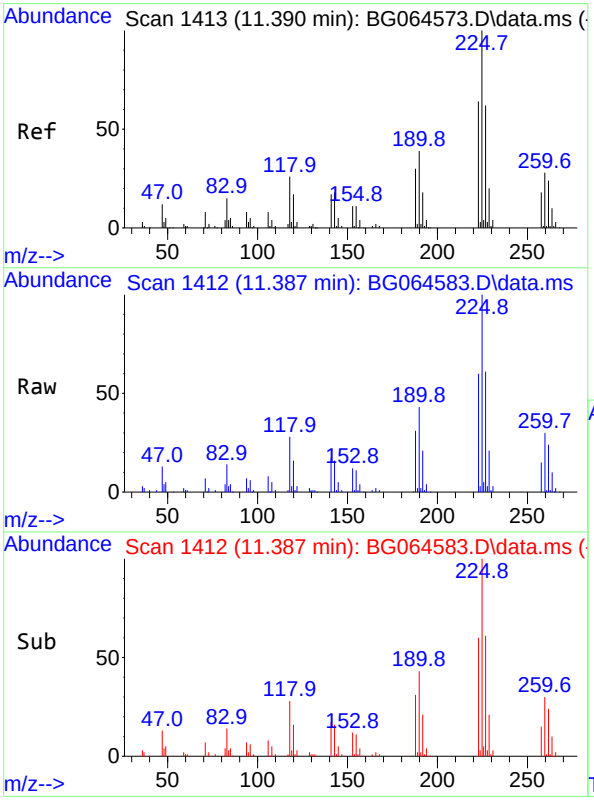
#33
4-Chloroaniline
Concen: 41.846 ng
RT: 11.187 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 156793

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.5	38.3
65	40.8	32.2	48.4
92	19.9	18.2	27.2

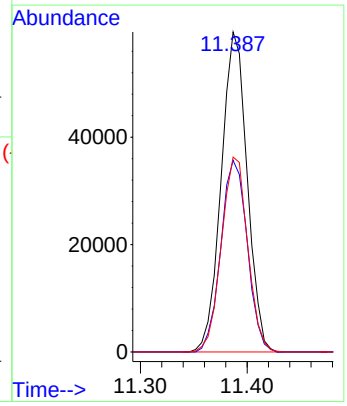


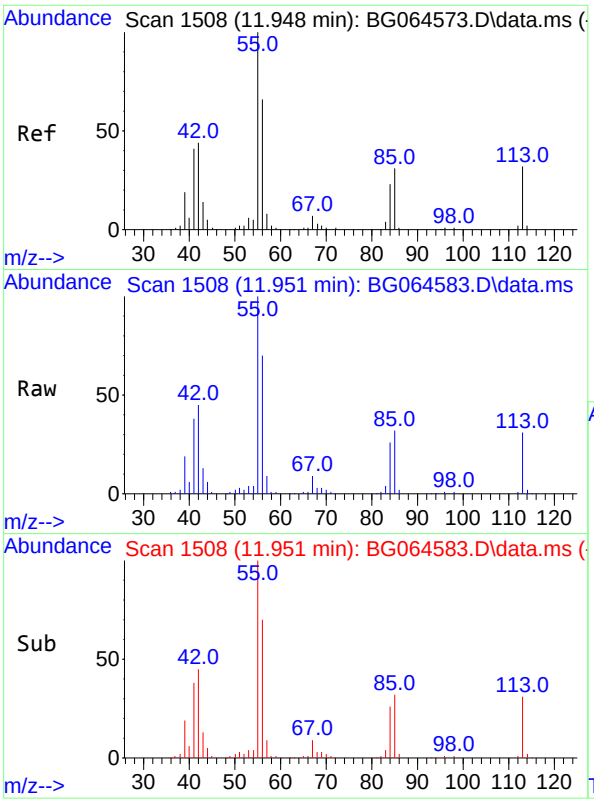


#34
Hexachlorobutadiene
Concen: 40.684 ng
RT: 11.387 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:225 Resp: 100526

Ion	Ratio	Lower	Upper
225	100		
223	59.9	48.8	73.2
227	60.6	49.5	74.3



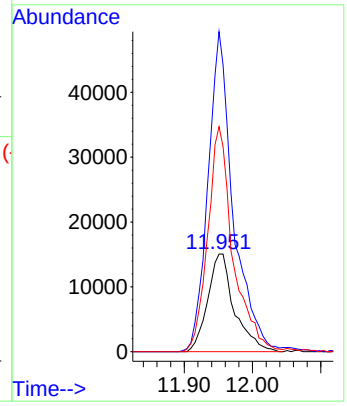


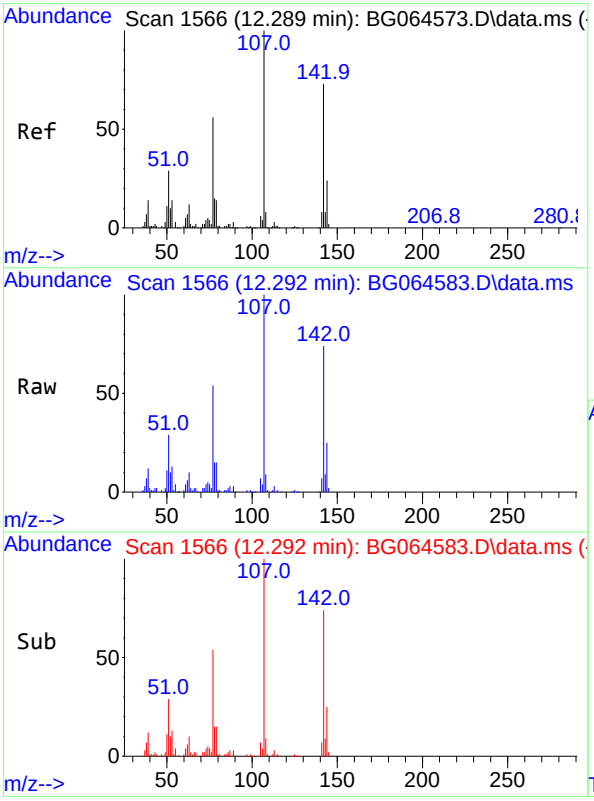
#35
Caprolactam
Concen: 38.487 ng
RT: 11.951 min Scan# 1
Delta R.T. -0.024 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 41048

Ion	Ratio	Lower	Upper
113	100		
55	327.6	290.1	330.1
56	230.3	183.8	223.8#

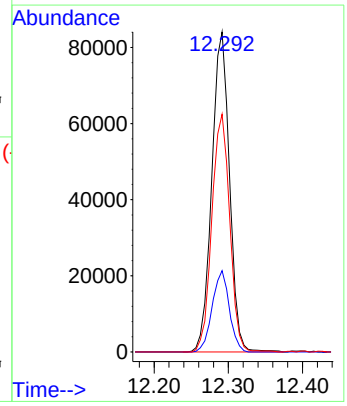


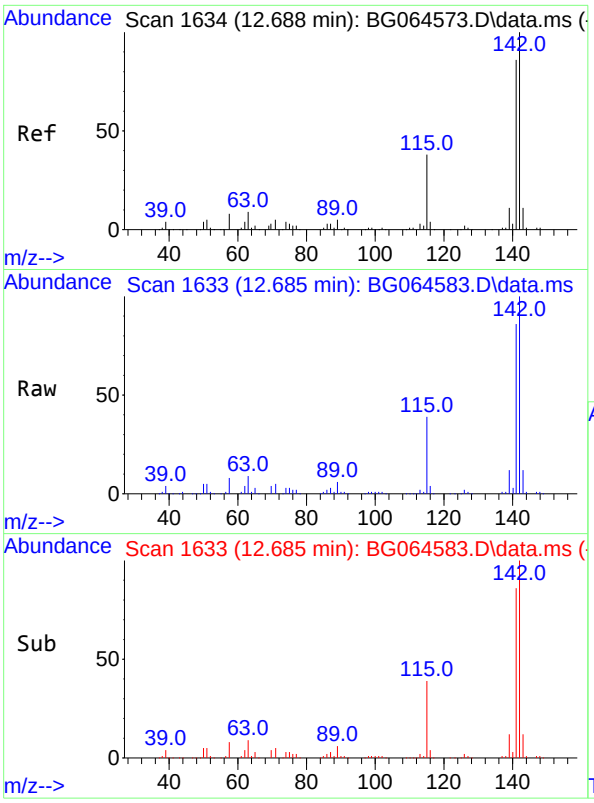


#36
4-Chloro-3-methylphenol
Concen: 41.668 ng
RT: 12.292 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:107 Resp: 139274

Ion	Ratio	Lower	Upper
107	100		
144	25.4	19.1	28.7
142	74.3	58.6	87.8



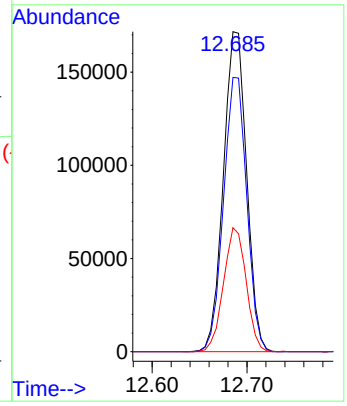


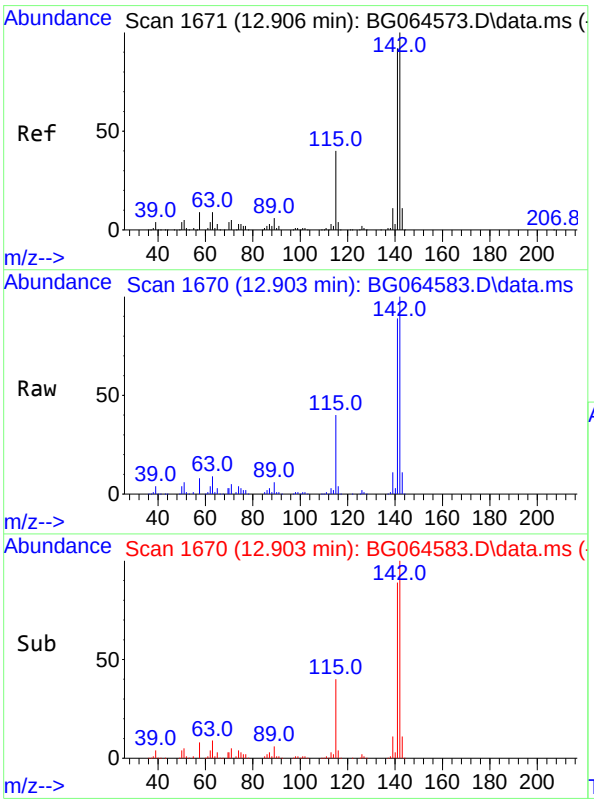
#37
2-Methylnaphthalene
Concen: 41.357 ng
RT: 12.685 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 292711

Ion	Ratio	Lower	Upper
142	100		
141	85.7	68.9	103.3
115	38.7	30.6	46.0

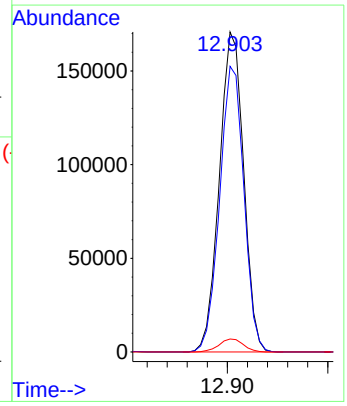


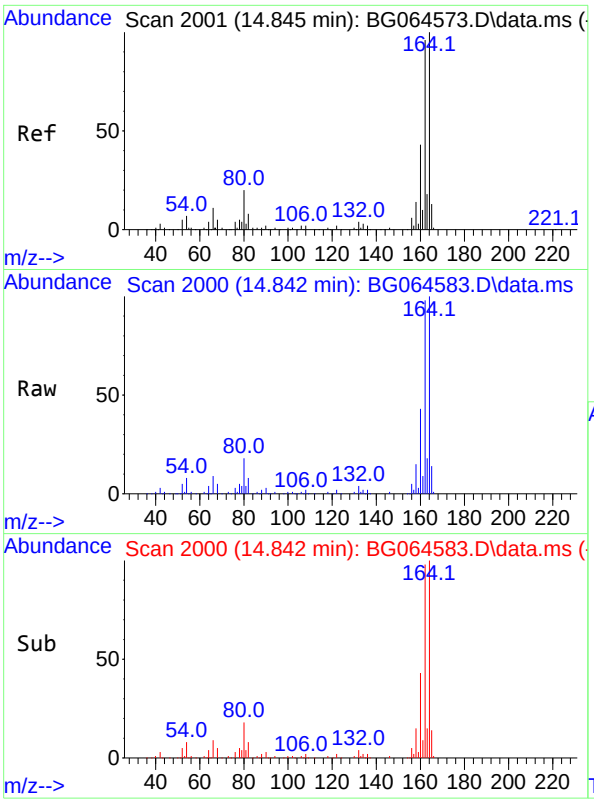


#38
1-Methylnaphthalene
Concen: 41.099 ng
RT: 12.903 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:142 Resp: 286227

Ion	Ratio	Lower	Upper
142	100		
141	89.2	73.3	109.9
116	4.0	3.1	4.7



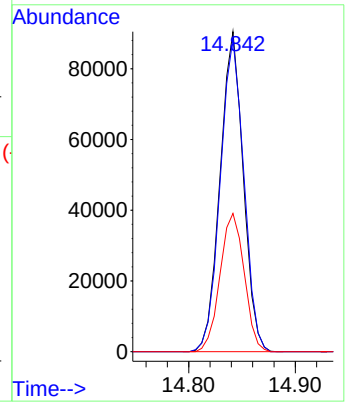


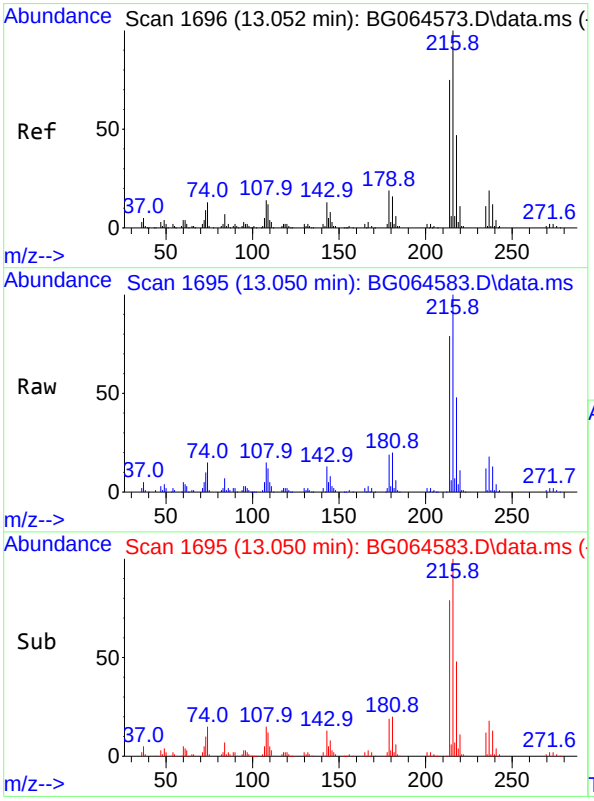
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 136456

Ion	Ratio	Lower	Upper
164	100		
162	97.9	77.0	115.6
160	43.2	34.4	51.6

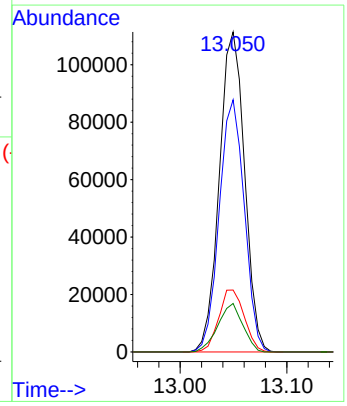


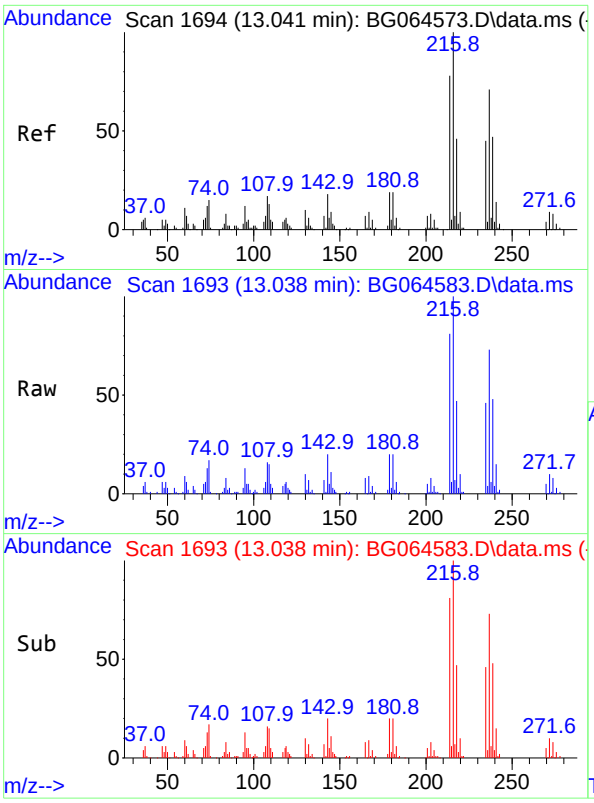


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.969 ng
RT: 13.050 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:216 Resp: 183039

Ion	Ratio	Lower	Upper
216	100		
214	78.2	61.4	92.2
179	19.6	15.4	23.0
108	15.0	11.8	17.6



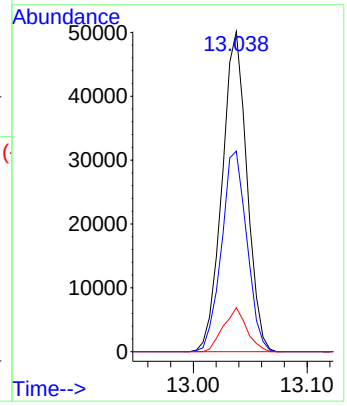


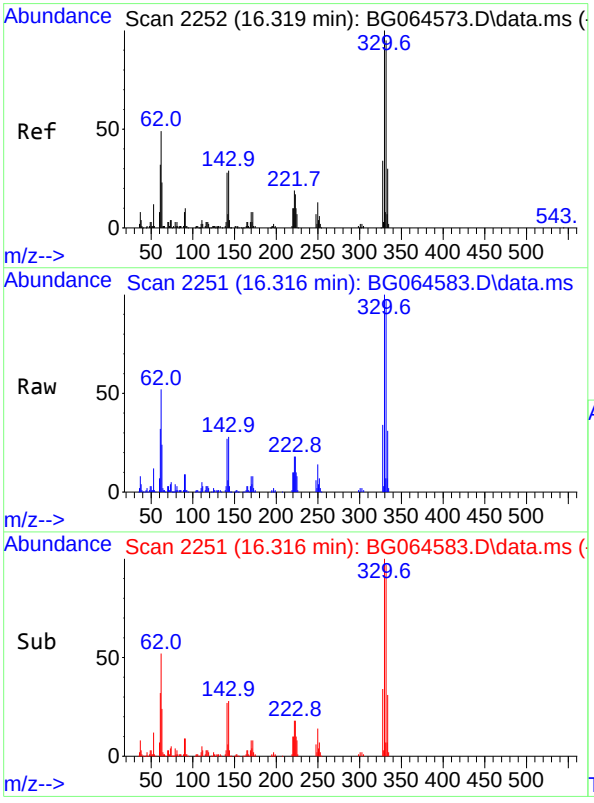
#41
Hexachlorocyclopentadiene
Concen: 36.818 ng
RT: 13.038 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 75893

Ion	Ratio	Lower	Upper
237	100		
235	62.7	44.1	84.1
272	13.7	0.0	32.4

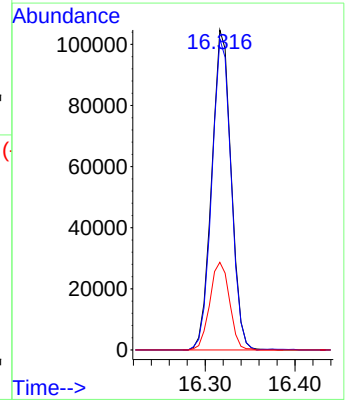


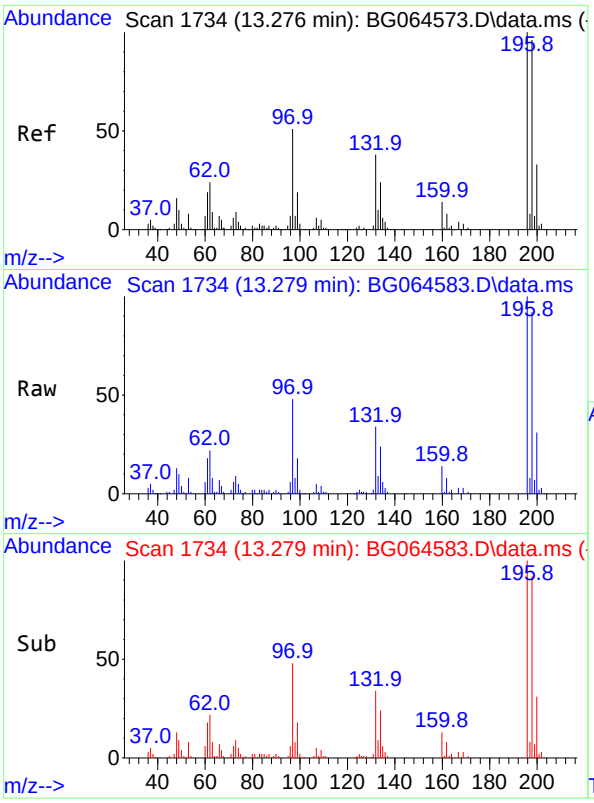


#42
2,4,6-Tribromophenol
Concen: 79.732 ng
RT: 16.316 min Scan# 2251
Delta R.T. -0.007 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:330 Resp: 157029

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.0	117.0
141	27.7	21.8	32.6



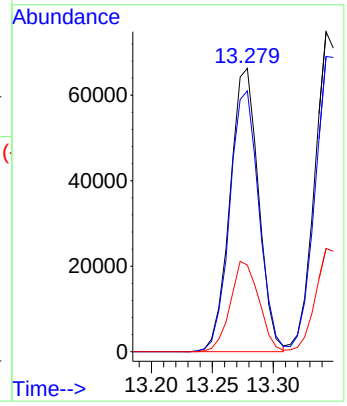


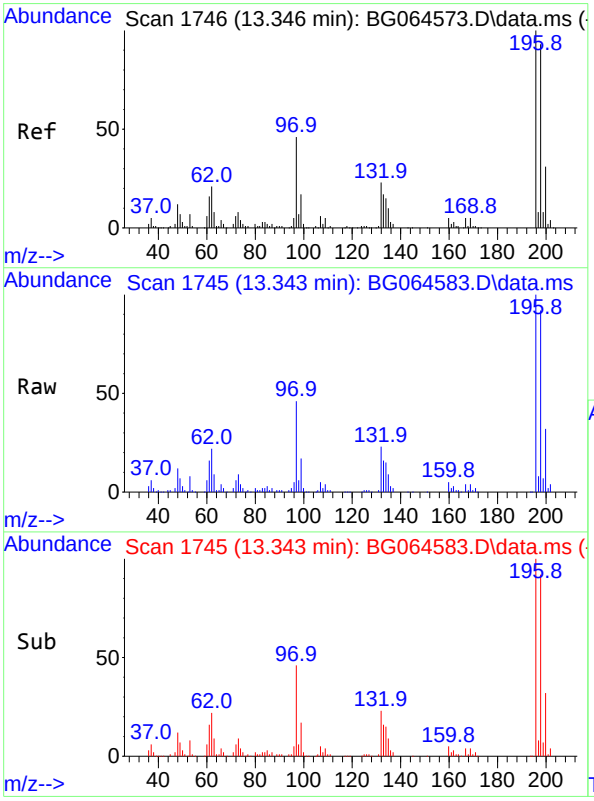
#43
2,4,6-Trichlorophenol
Concen: 41.278 ng
RT: 13.279 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 108131

Ion	Ratio	Lower	Upper
196	100		
198	92.0	76.6	115.0
200	30.6	26.0	39.0

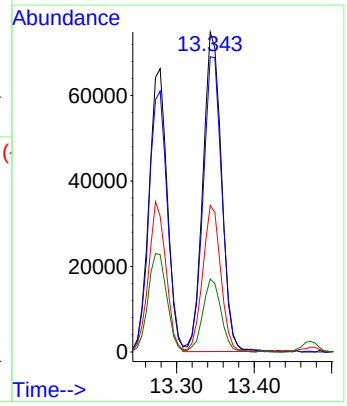


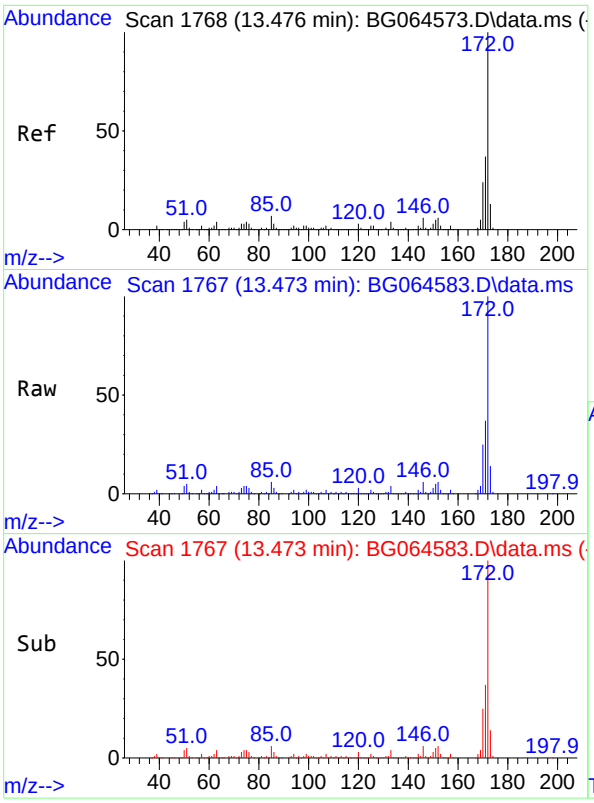


#44
2,4,5-Trichlorophenol
Concen: 41.000 ng
RT: 13.343 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:196 Resp: 123941

Ion	Ratio	Lower	Upper
196	100		
198	92.2	74.2	111.4
97	45.8	37.0	55.6
132	22.8	18.5	27.7



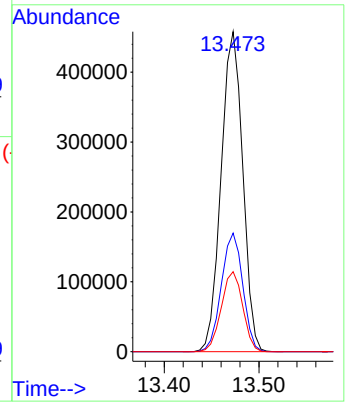


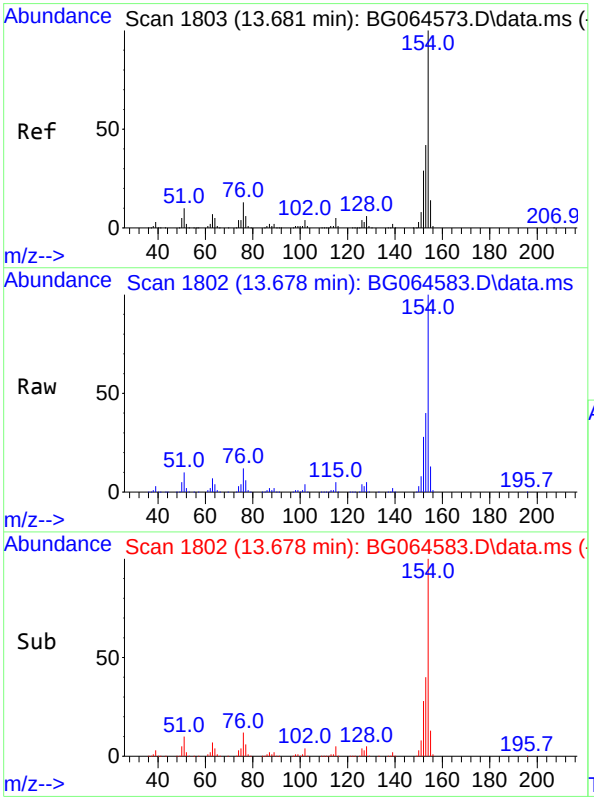
#45
2-Fluorobiphenyl
Concen: 80.739 ng
RT: 13.473 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 726855

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.4	44.0
170	25.0	19.1	28.7

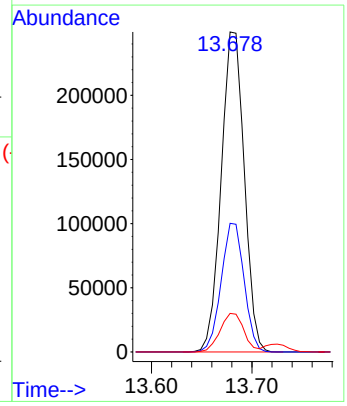


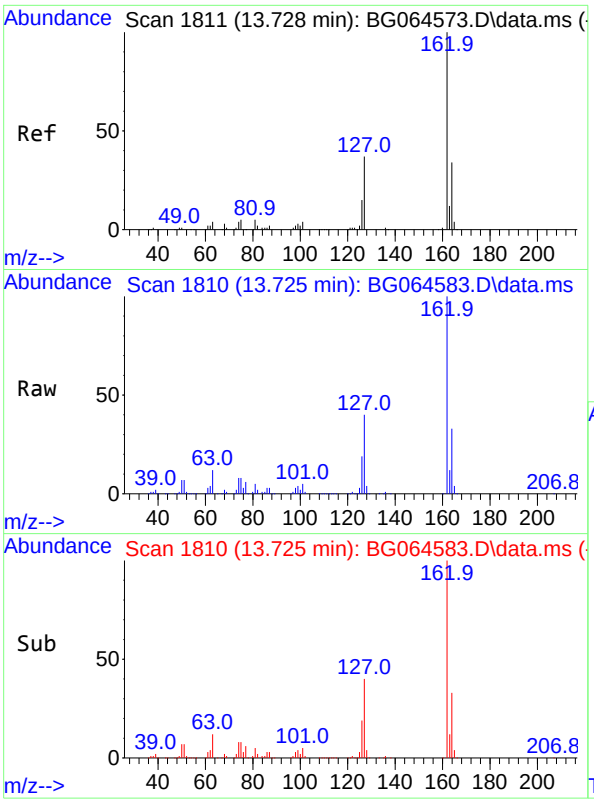


#46
1,1'-Biphenyl
Concen: 41.012 ng
RT: 13.678 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:154 Resp: 397857

Ion	Ratio	Lower	Upper
154	100		
153	40.2	22.4	62.4
76	12.0	0.0	33.5



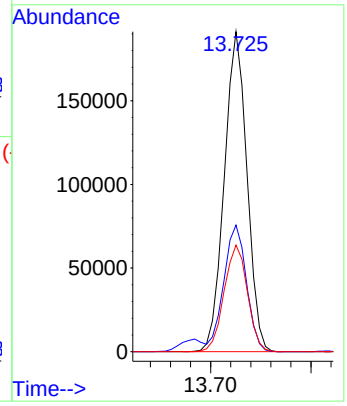


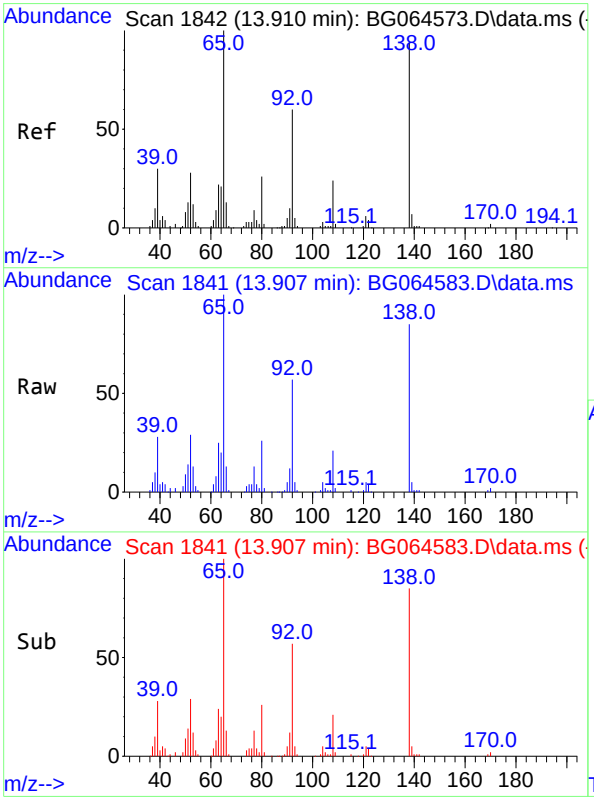
#47
2-Chloronaphthalene
Concen: 40.928 ng
RT: 13.725 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 299701

Ion	Ratio	Lower	Upper
162	100		
127	39.5	32.2	48.2
164	33.3	27.5	41.3

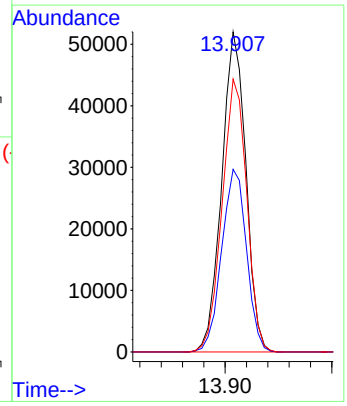


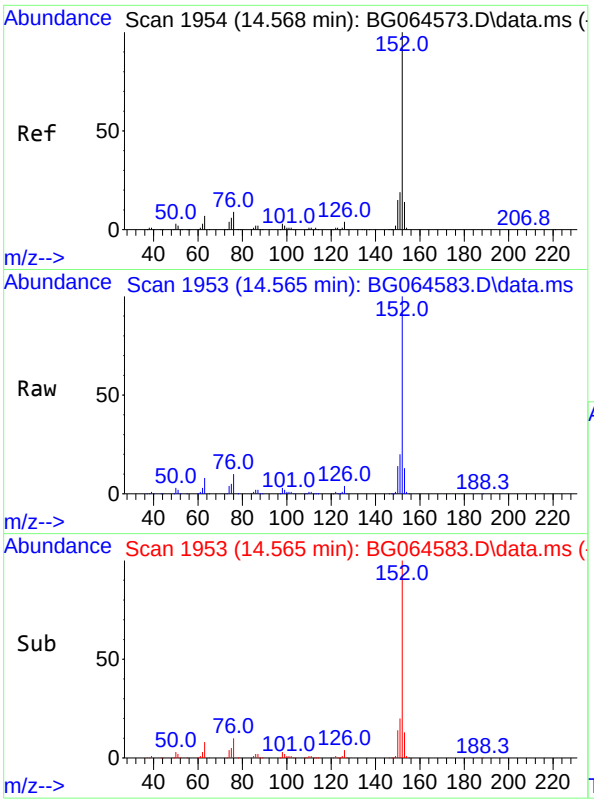


#48
2-Nitroaniline
Concen: 34.152 ng
RT: 13.907 min Scan# 1841
Delta R.T. -0.007 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 65 Resp: 81503

Ion	Ratio	Lower	Upper
65	100		
92	57.1	48.3	72.5
138	85.2	74.9	112.3



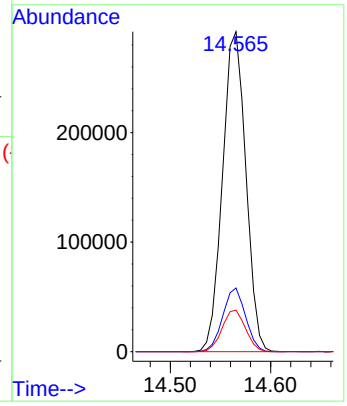


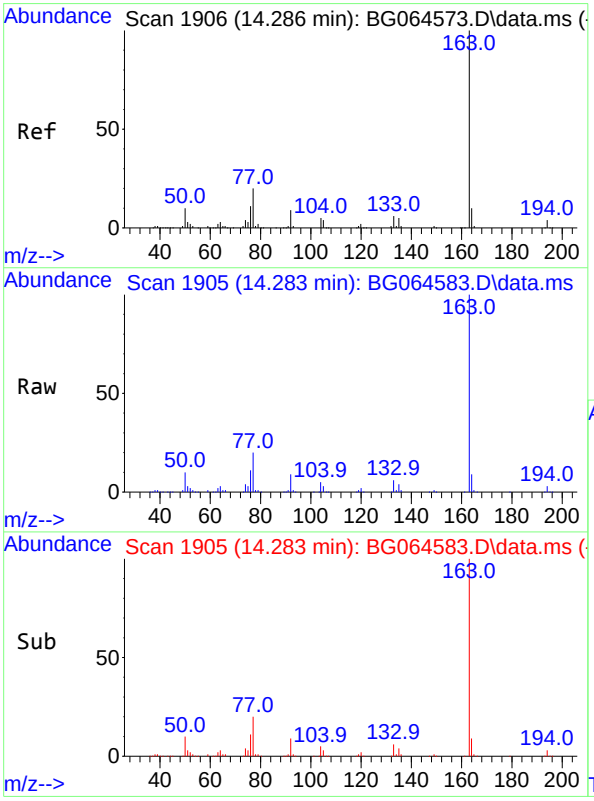
#49
Acenaphthylene
Concen: 40.780 ng
RT: 14.565 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 471014

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.4	23.2
153	13.0	11.0	16.4

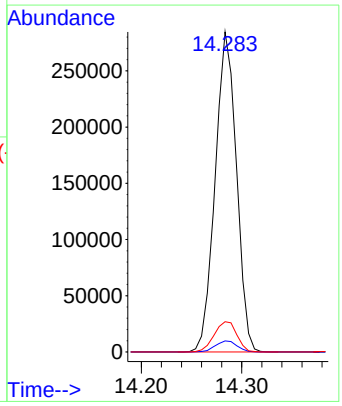


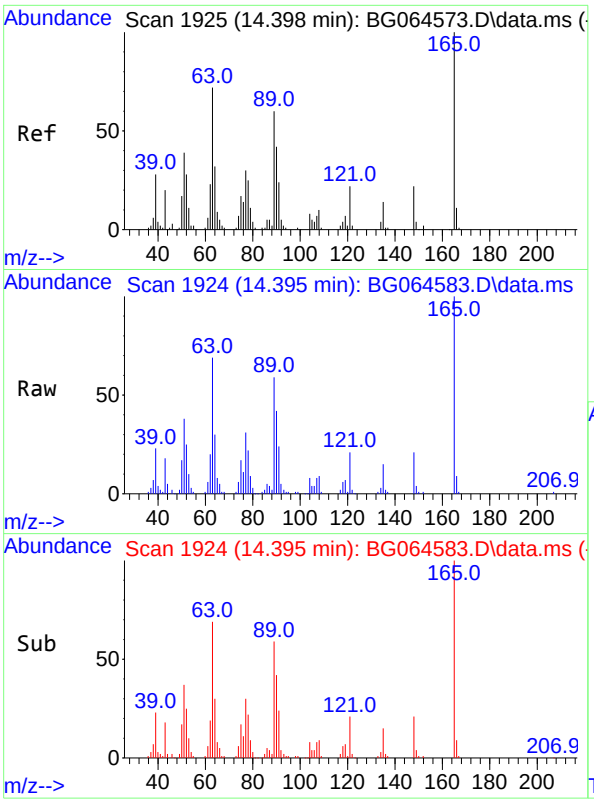


#50
Dimethylphthalate
Concen: 40.096 ng
RT: 14.283 min Scan# 1905
Delta R.T. -0.007 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:163 Resp: 418670

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	9.5	7.7	11.5



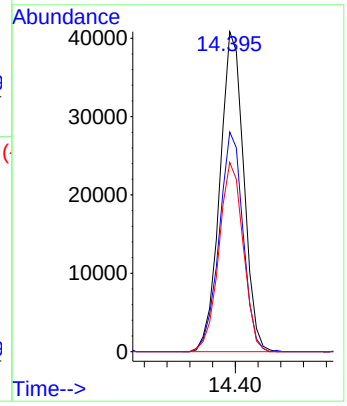


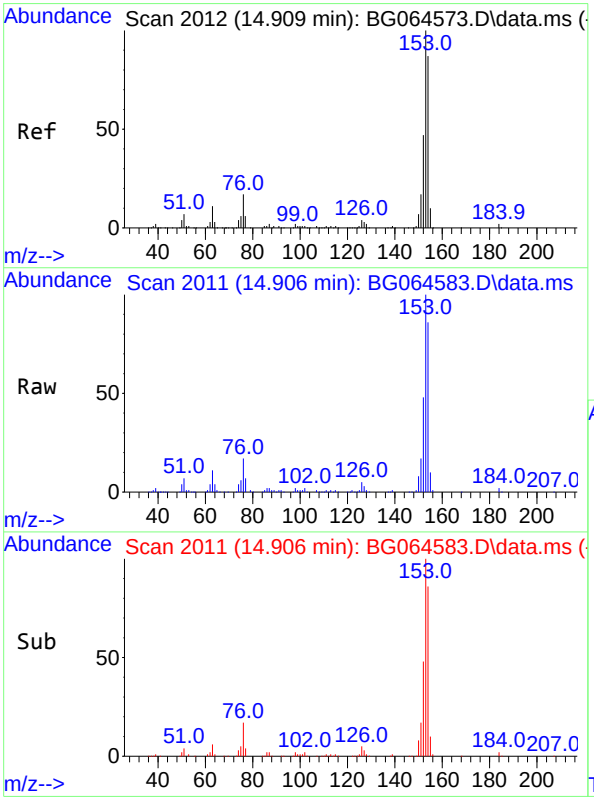
#51
2,6-Dinitrotoluene
Concen: 35.352 ng
RT: 14.395 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 59354

Ion	Ratio	Lower	Upper
165	100		
63	68.7	57.4	86.0
89	59.2	47.8	71.8

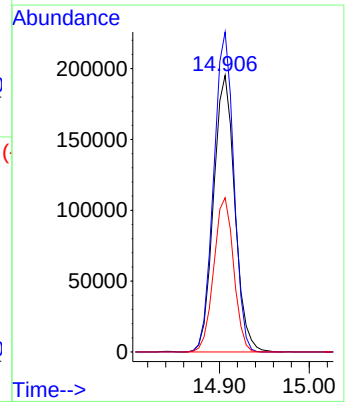


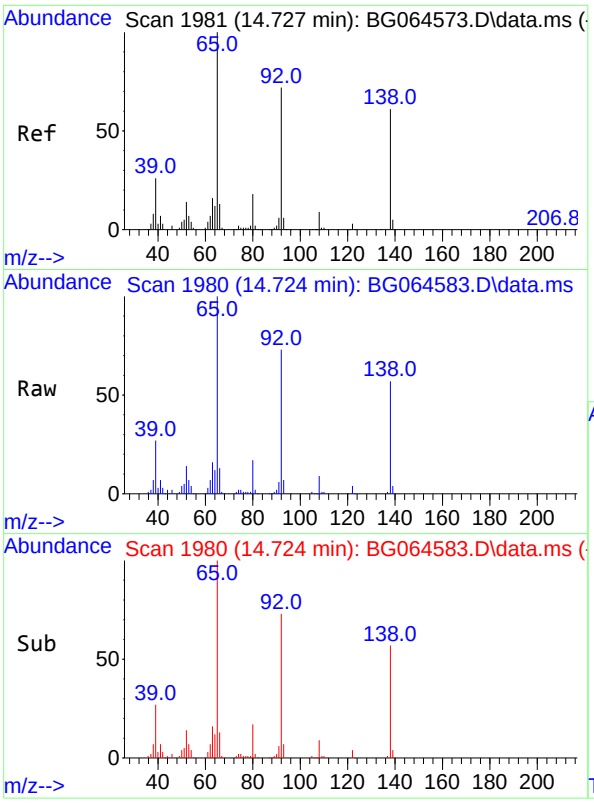


#52
Acenaphthene
Concen: 40.659 ng
RT: 14.906 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:154 Resp: 320852

Ion	Ratio	Lower	Upper
154	100		
153	115.7	92.2	138.4
152	55.8	43.2	64.8



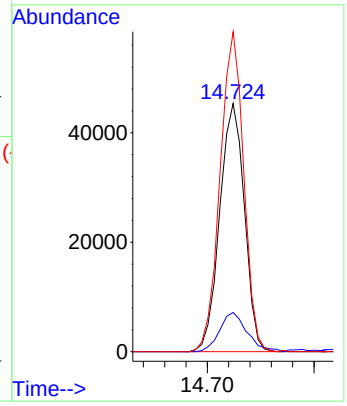


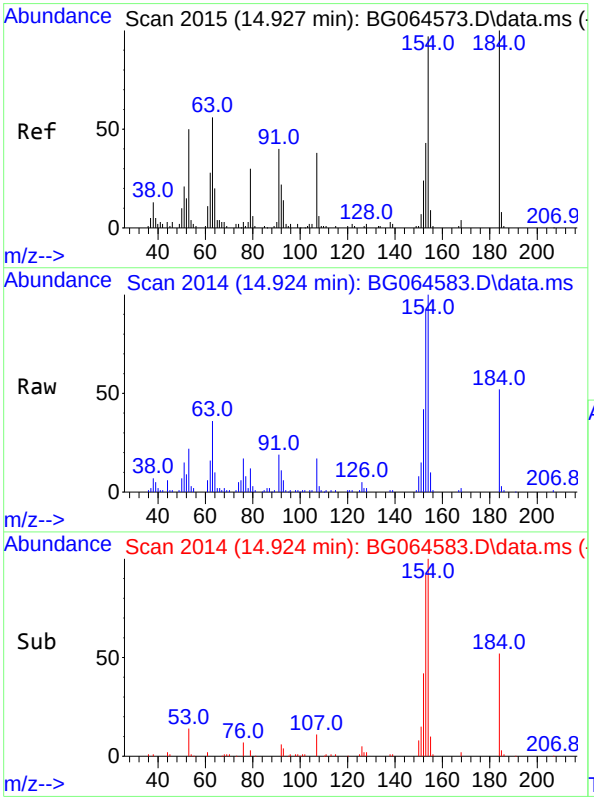
#53
3-Nitroaniline
Concen: 40.529 ng
RT: 14.724 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 72727

Ion	Ratio	Lower	Upper
138	100		
108	15.8	11.4	17.0
92	128.9	95.3	142.9

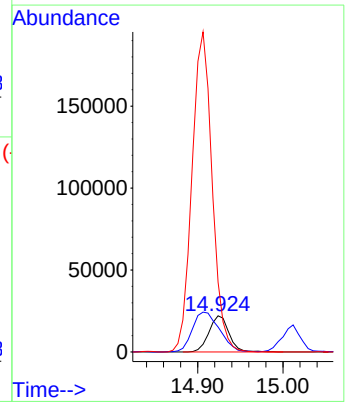


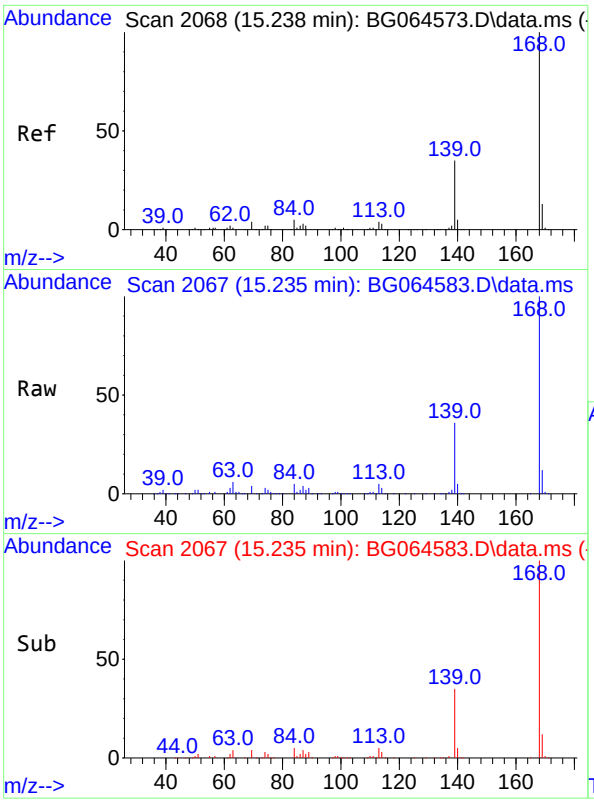


#54
2,4-Dinitrophenol
Concen: 37.232 ng
RT: 14.924 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:184 Resp: 35977

Ion	Ratio	Lower	Upper
184	100		
63	69.2	56.6	85.0
154	192.5	158.6	238.0



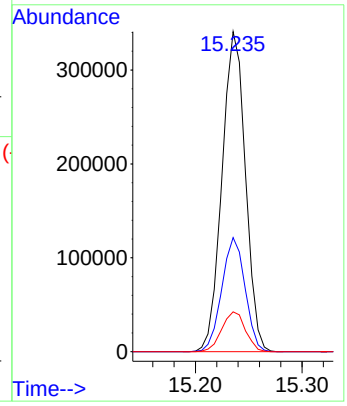


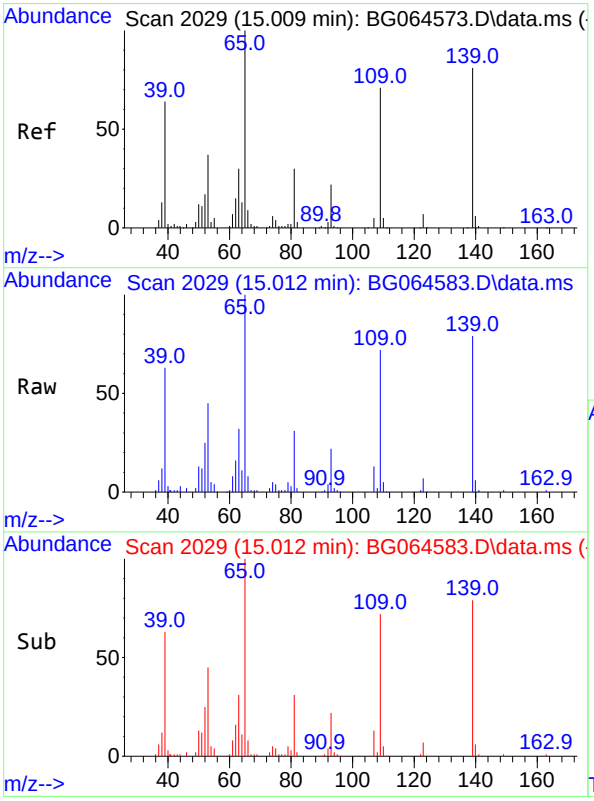
#55
Dibenzofuran
Concen: 40.693 ng
RT: 15.235 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 519158

Ion	Ratio	Lower	Upper
168	100		
139	35.7	27.8	41.8
169	12.5	10.3	15.5

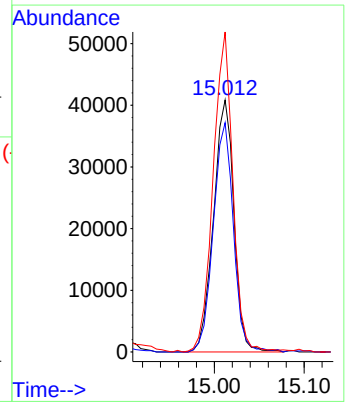


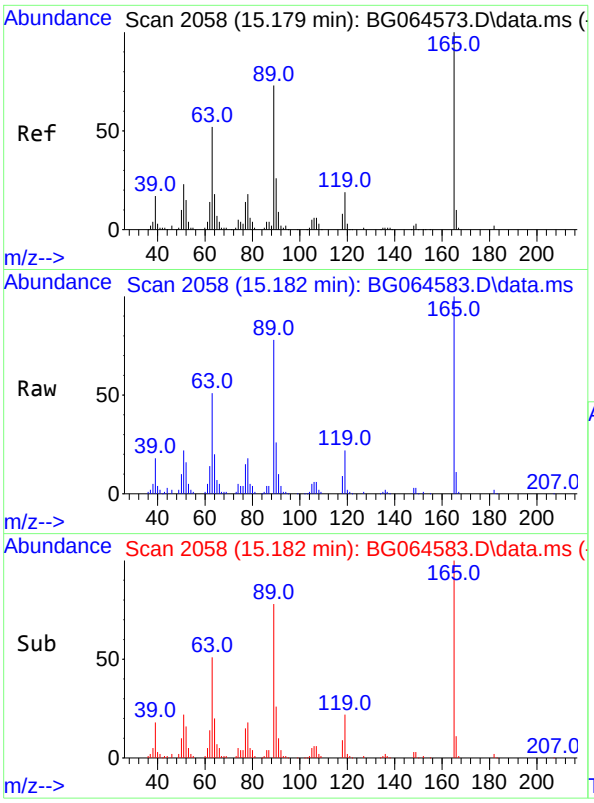


#56
4-Nitrophenol
Concen: 38.706 ng
RT: 15.012 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:139 Resp: 64395

Ion	Ratio	Lower	Upper
139	100		
109	91.0	67.8	107.8
65	127.0	103.7	143.7



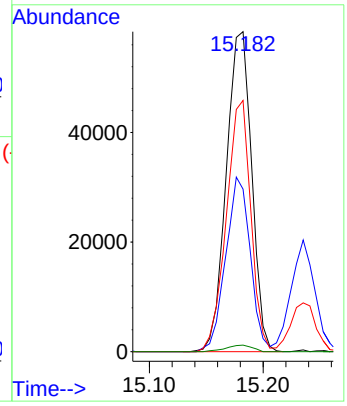


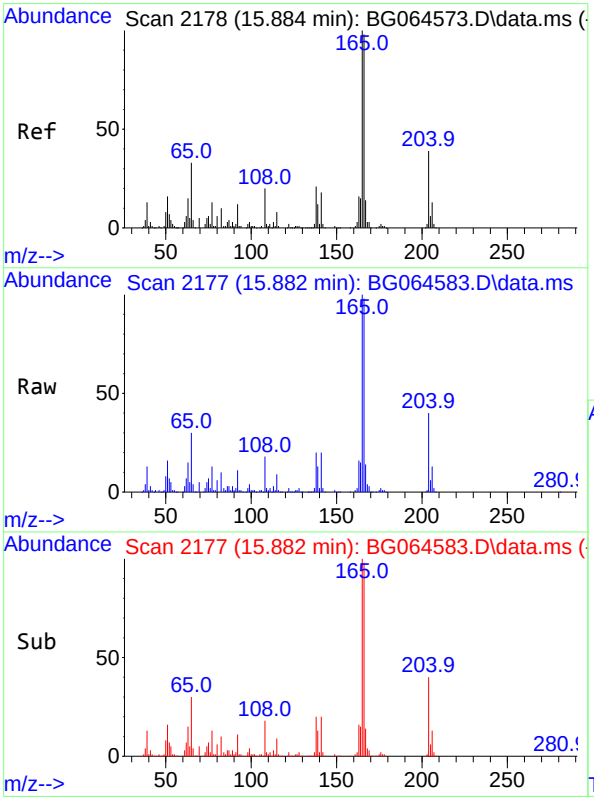
#57
2,4-Dinitrotoluene
Concen: 34.936 ng
RT: 15.182 min Scan# 2
Delta R.T. -0.007 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 90701

Ion	Ratio	Lower	Upper
165	100		
63	50.8	41.8	62.8
89	78.5	58.1	87.1
182	2.1	1.4	2.0#

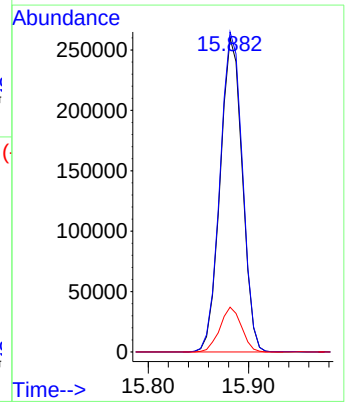


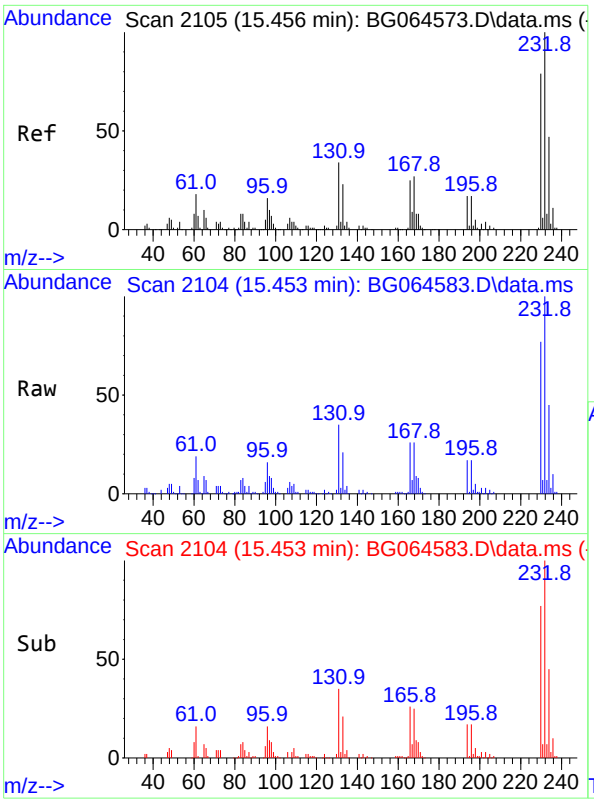


#58
Fluorene
Concen: 39.986 ng
RT: 15.882 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:166 Resp: 398395

Ion	Ratio	Lower	Upper
166	100		
165	101.9	81.5	122.3
167	14.3	11.4	17.0



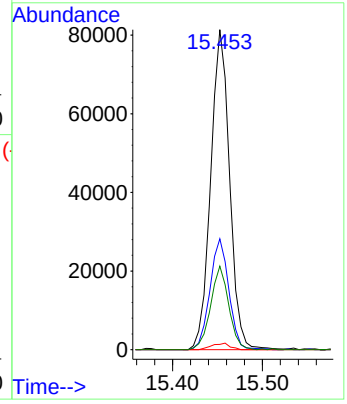


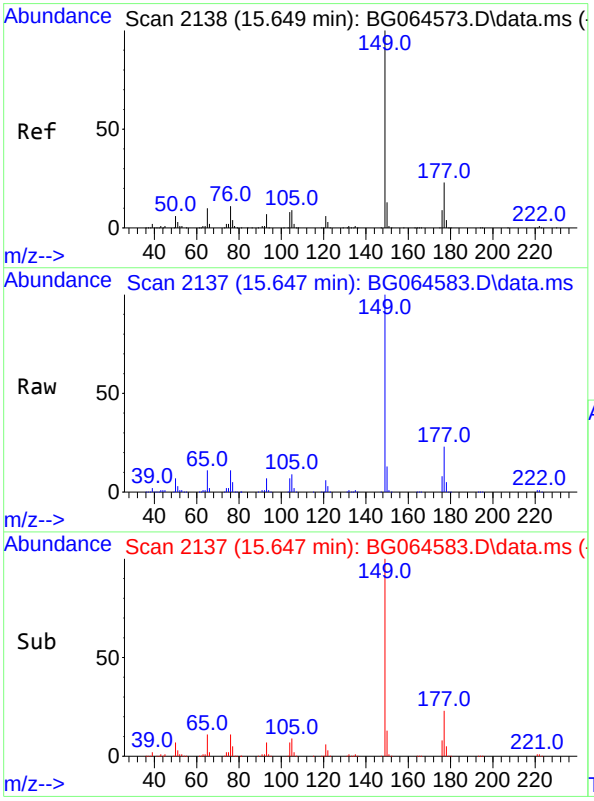
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.112 ng
RT: 15.453 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 118842

Ion	Ratio	Lower	Upper
232	100		
131	34.7	26.7	40.1
130	2.0	1.6	2.4
166	25.1	20.5	30.7

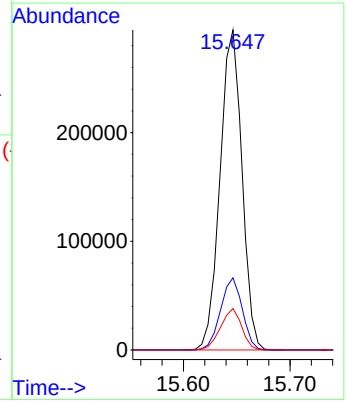


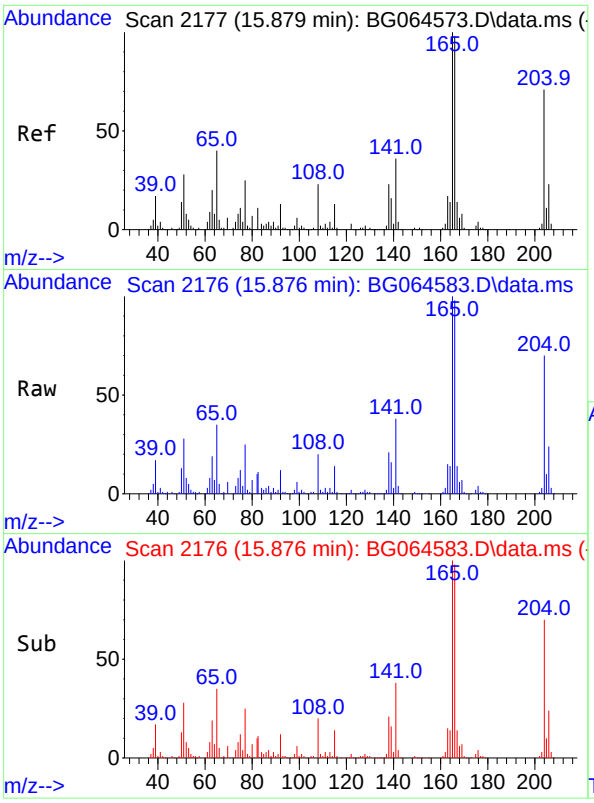


#60
Diethylphthalate
Concen: 39.366 ng
RT: 15.647 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:149 Resp: 419702

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.9	10.2	15.4



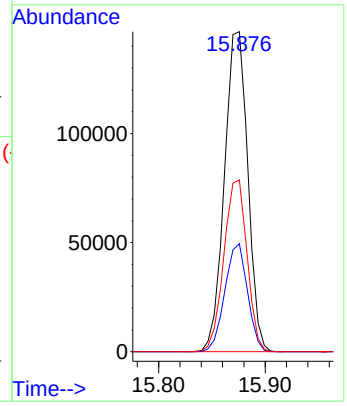


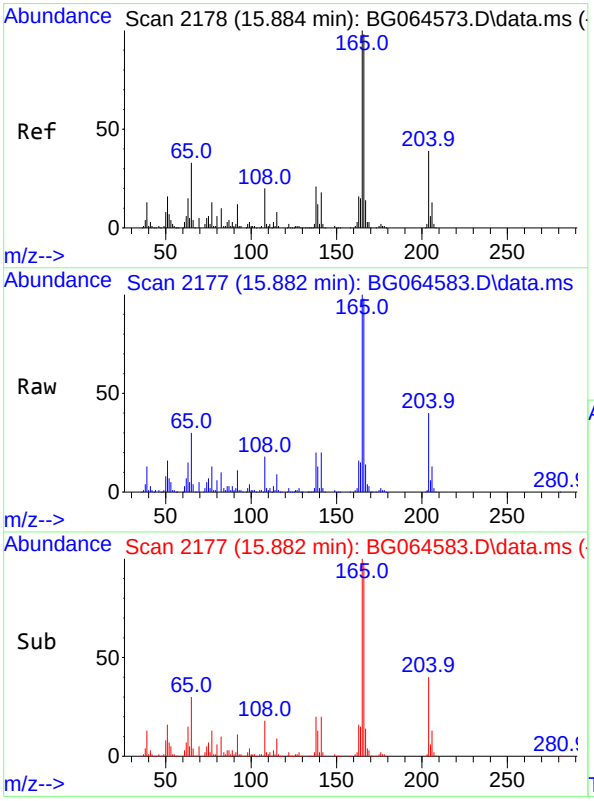
#61
4-Chlorophenyl-phenylether
Concen: 39.849 ng
RT: 15.876 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 222810

Ion	Ratio	Lower	Upper
204	100		
206	33.7	25.6	38.4
141	53.7	40.6	60.8

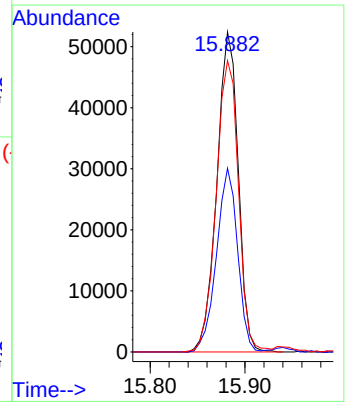


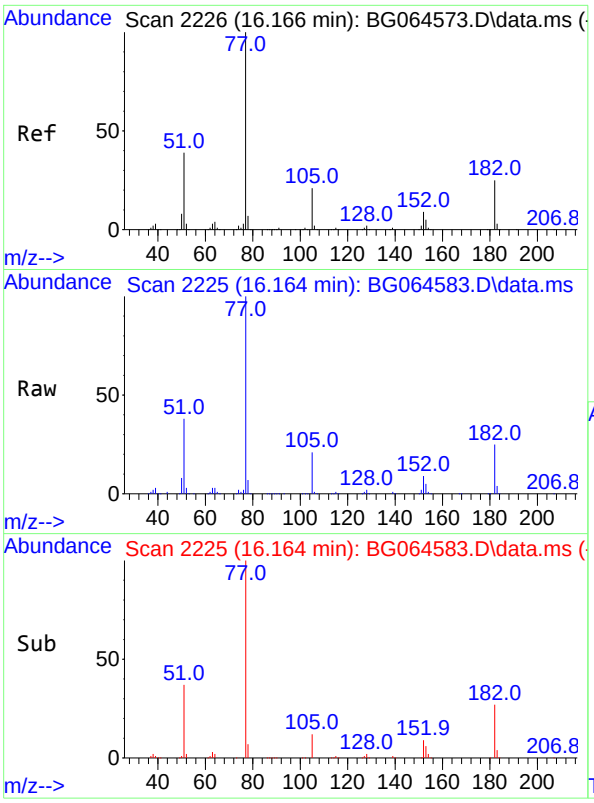


#62
4-Nitroaniline
Concen: 41.112 ng
RT: 15.882 min Scan# 2177
Delta R.T. -0.012 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:138 Resp: 82074

Ion	Ratio	Lower	Upper
138	100		
92	57.4	36.1	76.1
108	91.1	75.6	115.6



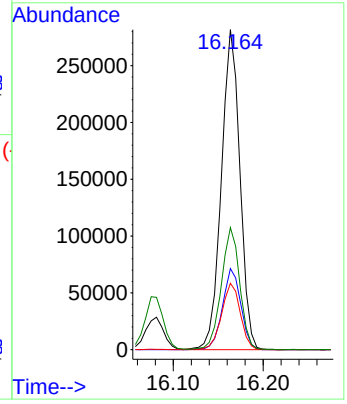


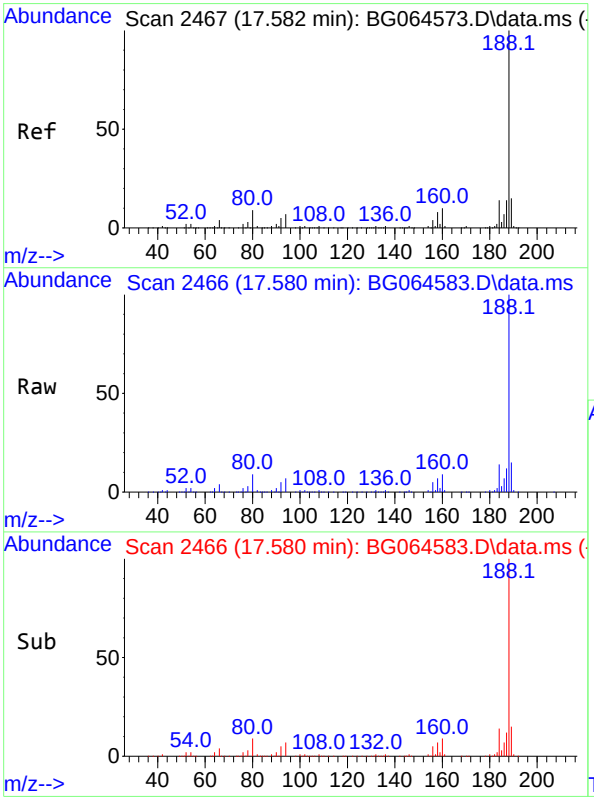
#63
Azobenzene
Concen: 41.315 ng
RT: 16.164 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 404156

Ion	Ratio	Lower	Upper
77	100		
182	25.3	4.9	44.9
105	20.8	1.3	41.3
51	38.2	19.0	59.0

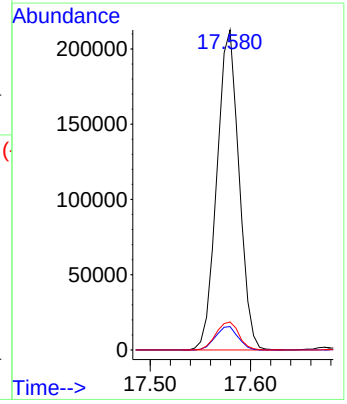


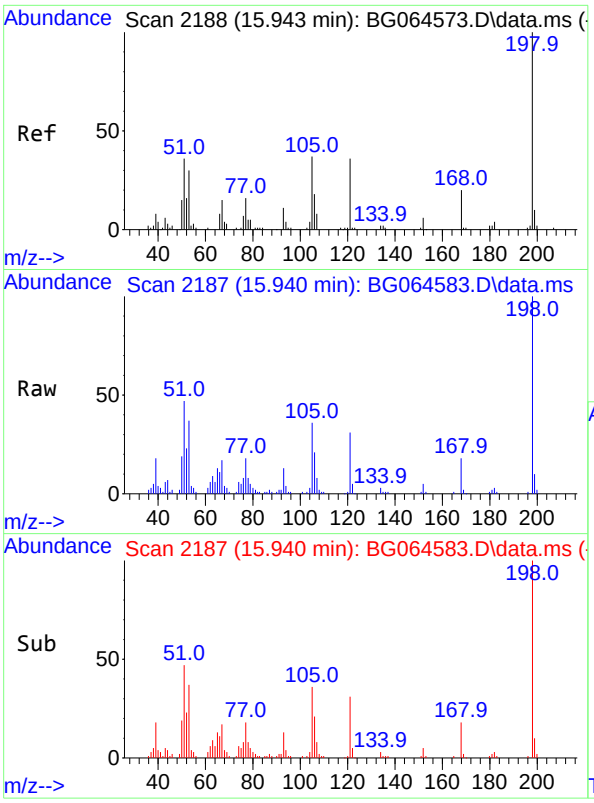


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2466
Delta R.T. -0.000 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:188 Resp: 324576

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.7	8.5
80	8.8	6.8	10.2



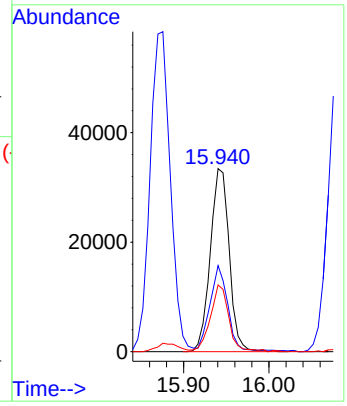


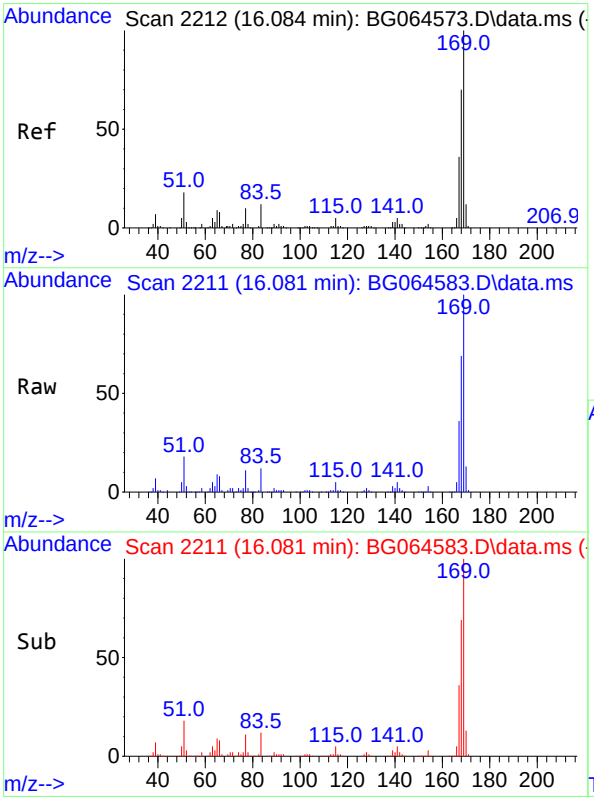
#65
4,6-Dinitro-2-methylphenol
Concen: 37.510 ng
RT: 15.940 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 51664

Ion	Ratio	Lower	Upper
198	100		
51	47.0	24.7	64.7
105	36.4	18.0	58.0

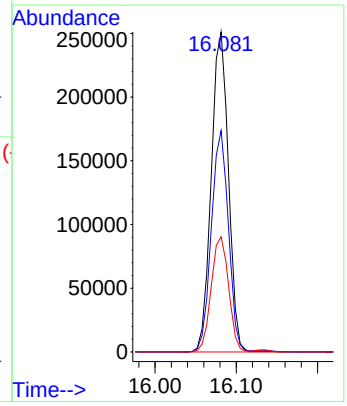


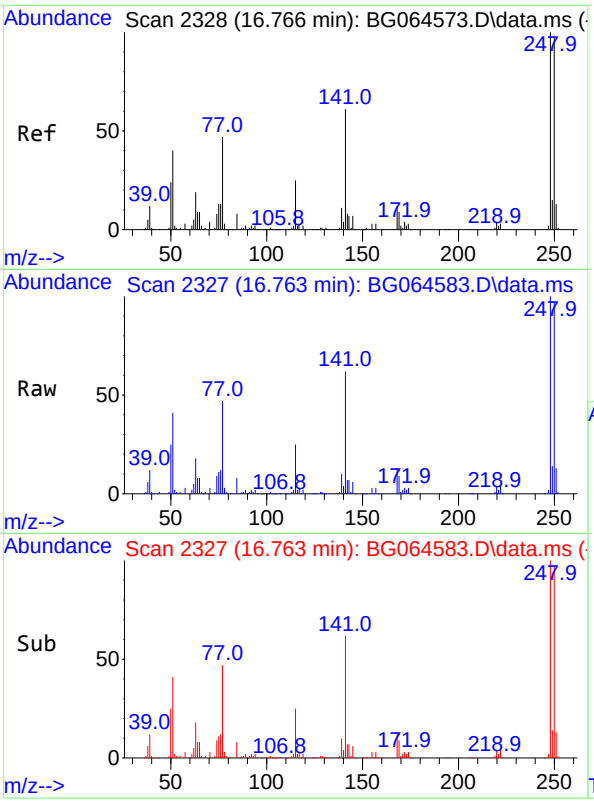


#66
n-Nitrosodiphenylamine
Concen: 41.867 ng
RT: 16.081 min Scan# 2211
Delta R.T. -0.007 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:169 Resp: 367072

Ion	Ratio	Lower	Upper
169	100		
168	69.1	56.3	84.5
167	36.0	29.0	43.6



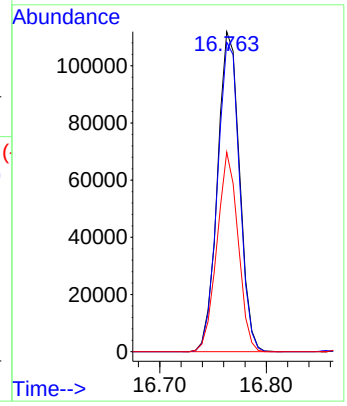


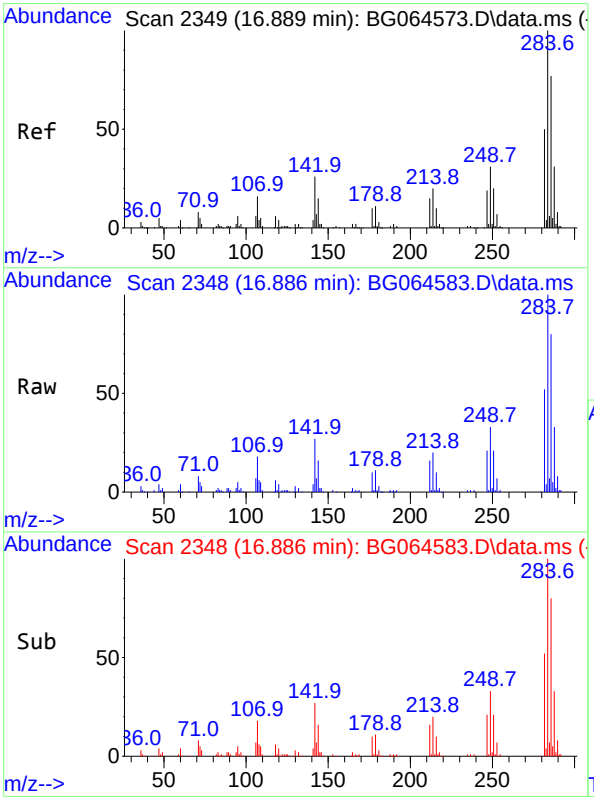
#67
4-Bromophenyl-phenylether
Concen: 41.720 ng
RT: 16.763 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 160468

Ion	Ratio	Lower	Upper
248	100		
250	96.7	77.7	116.5
141	62.3	48.6	72.8

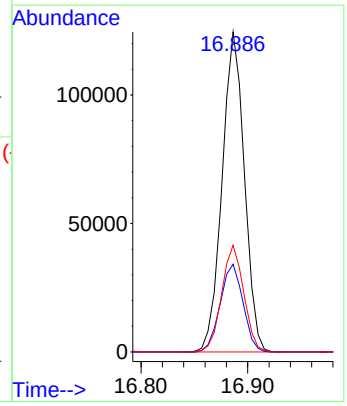


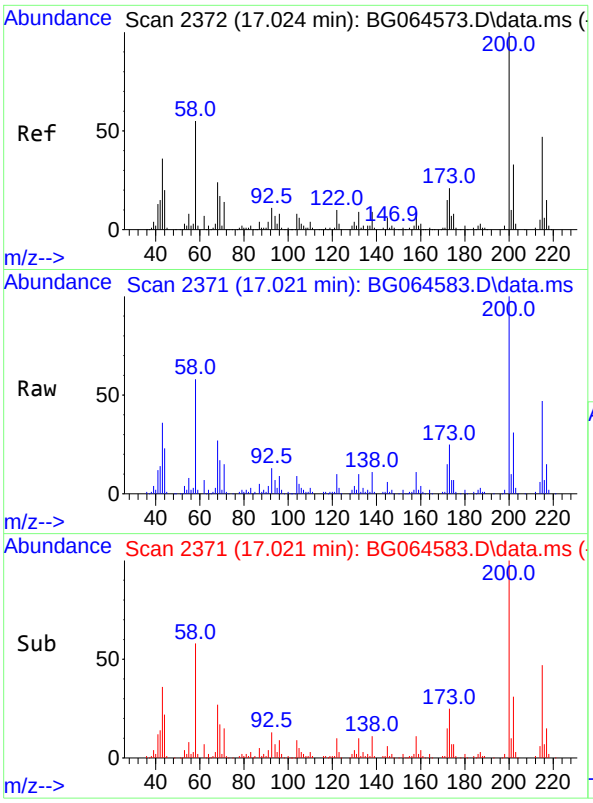


#68
Hexachlorobenzene
Concen: 41.094 ng
RT: 16.886 min Scan# 2348
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:284 Resp: 180323

Ion	Ratio	Lower	Upper
284	100		
142	27.4	21.0	31.6
249	33.3	24.9	37.3



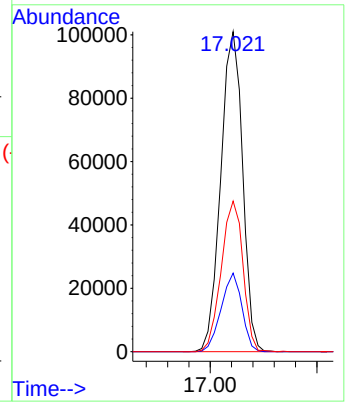


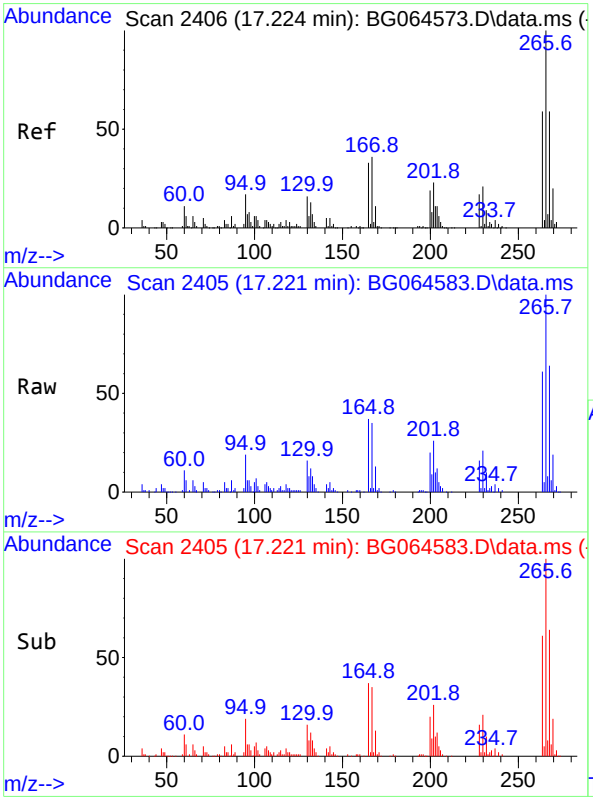
#69
Atrazine
Concen: 37.977 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 143289

Ion	Ratio	Lower	Upper
200	100		
173	24.6	0.9	40.9
215	47.1	27.0	67.0

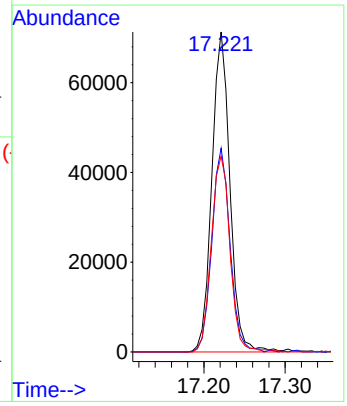


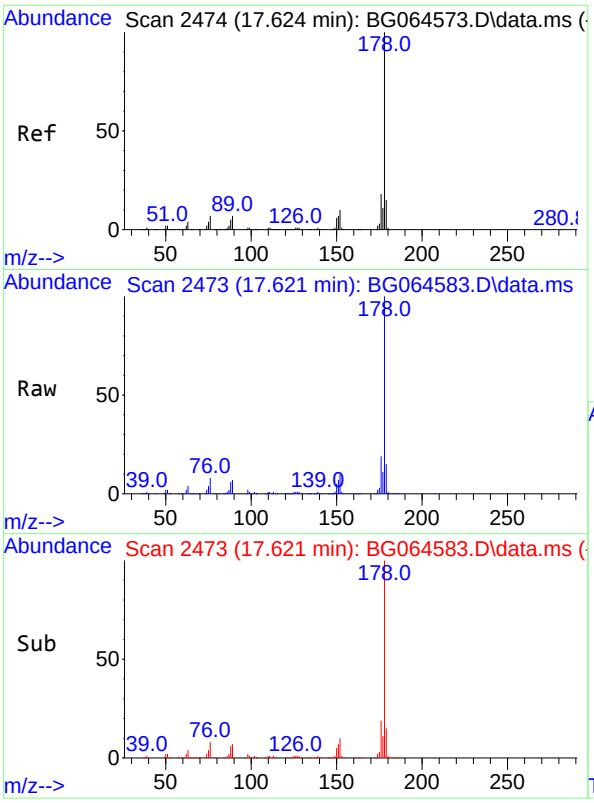


#70
Pentachlorophenol
Concen: 40.129 ng
RT: 17.221 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:266 Resp: 109806

Ion	Ratio	Lower	Upper
266	100		
268	69.2	50.3	75.5
264	66.4	47.3	70.9



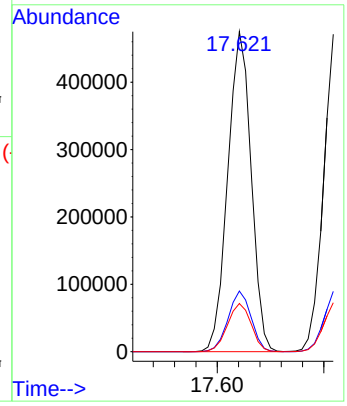


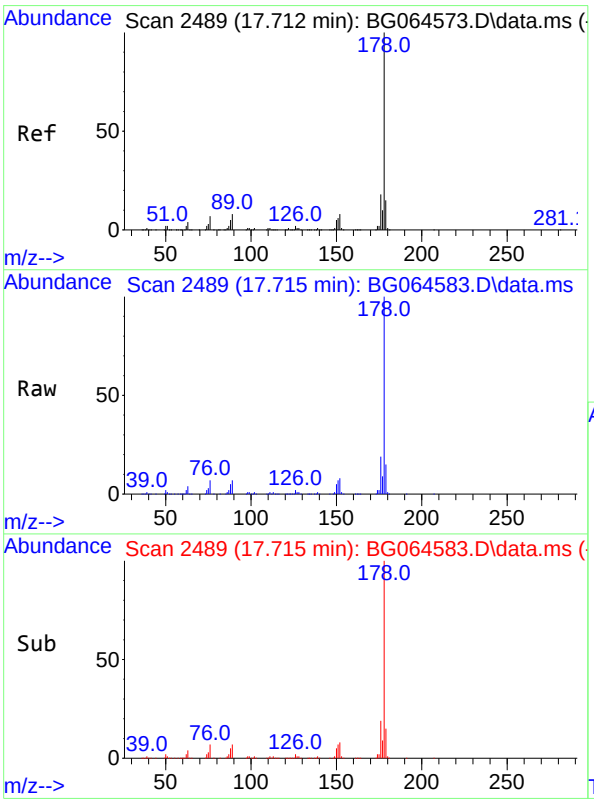
#71
Phenanthrene
Concen: 40.740 ng
RT: 17.621 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 723122

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.0	12.2	18.4

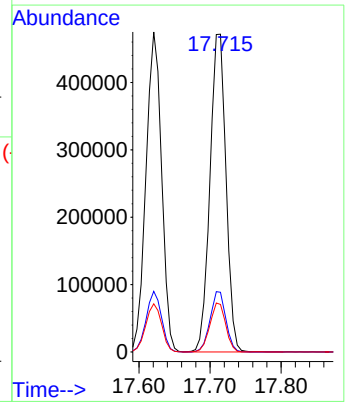


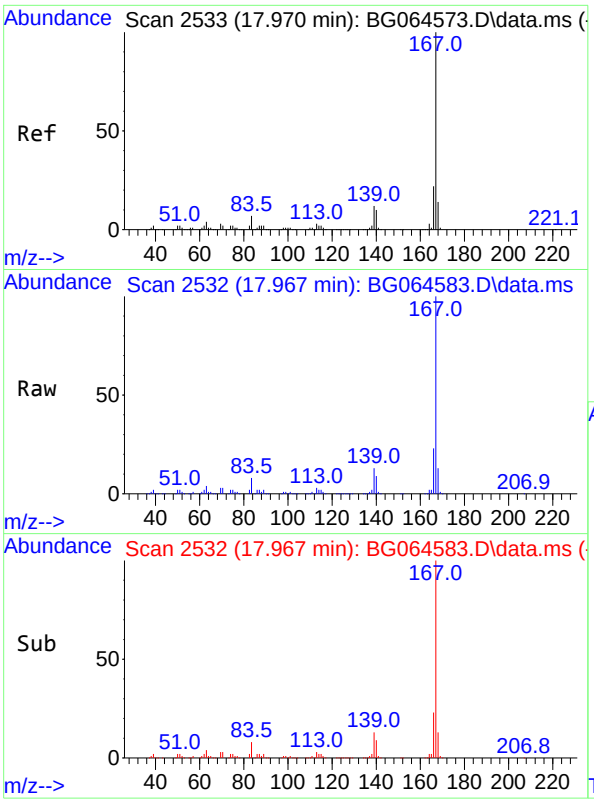


#72
Anthracene
Concen: 41.035 ng
RT: 17.715 min Scan# 2489
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:178 Resp: 740918

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.4	21.6
179	14.9	12.4	18.6



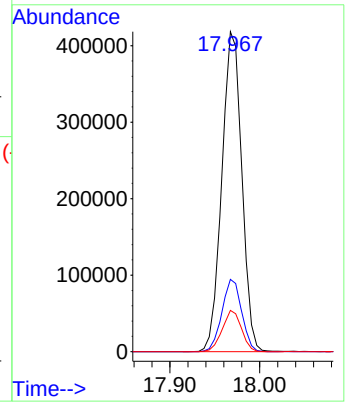


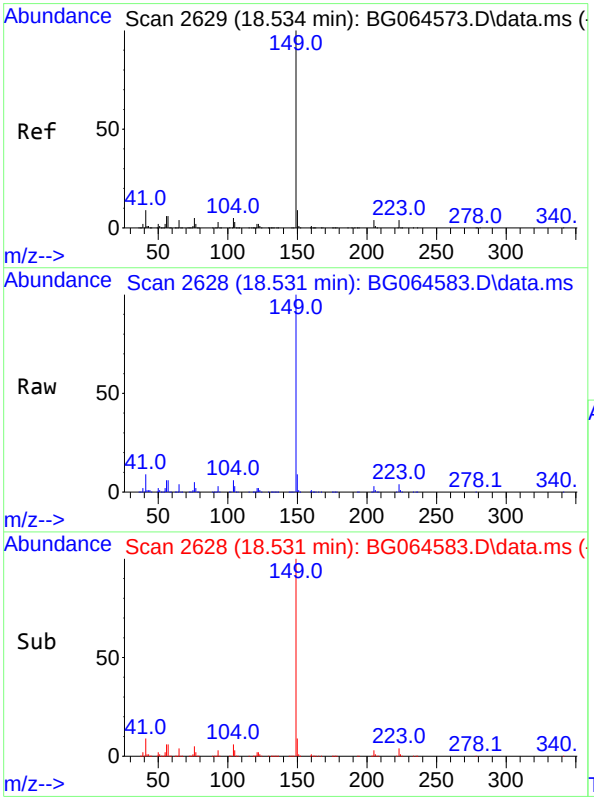
#73
Carbazole
Concen: 40.561 ng
RT: 17.967 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 645806

Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.9	26.9
139	12.9	9.7	14.5

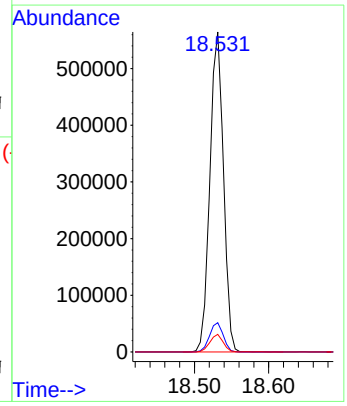


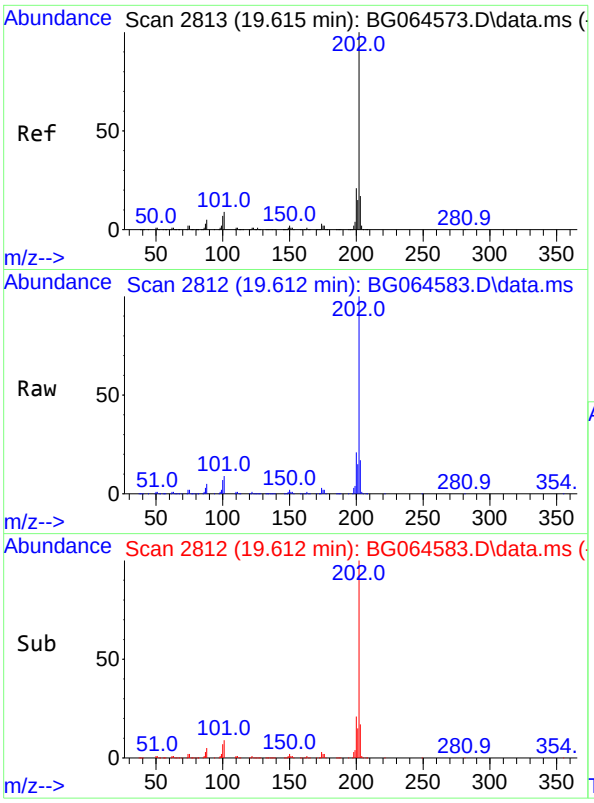


#74
Di-n-butylphthalate
Concen: 38.911 ng
RT: 18.531 min Scan# 2628
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:149 Resp: 716403

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.0	10.6
104	5.5	4.1	6.1



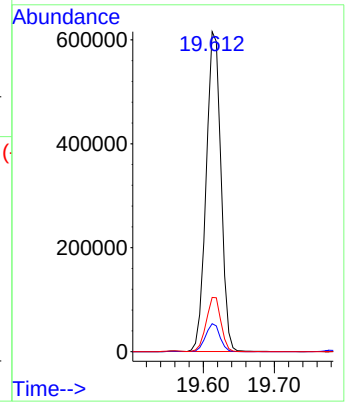


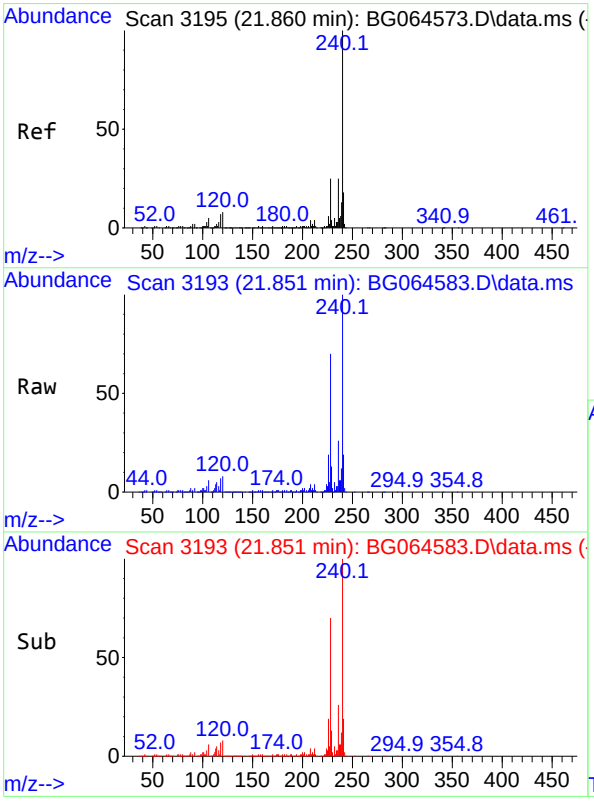
#75
Fluoranthene
Concen: 40.019 ng
RT: 19.612 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 889861

Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	28.7
203	16.9	0.0	37.0

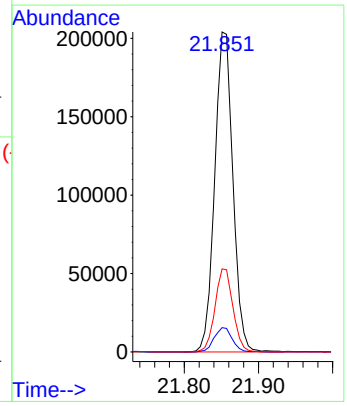


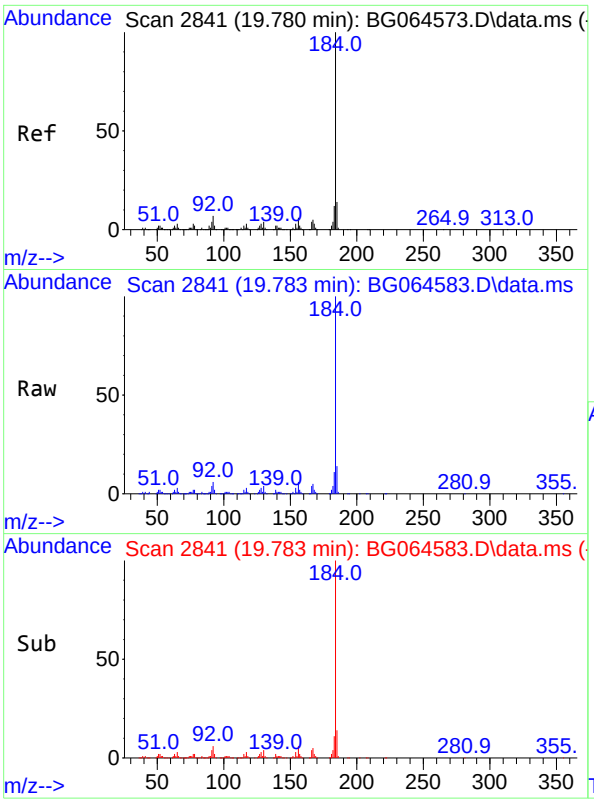


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.851 min Scan# 3193
Delta R.T. -0.012 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:240 Resp: 347536

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	26.0	20.2	30.2



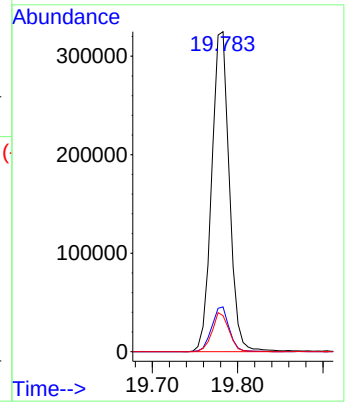


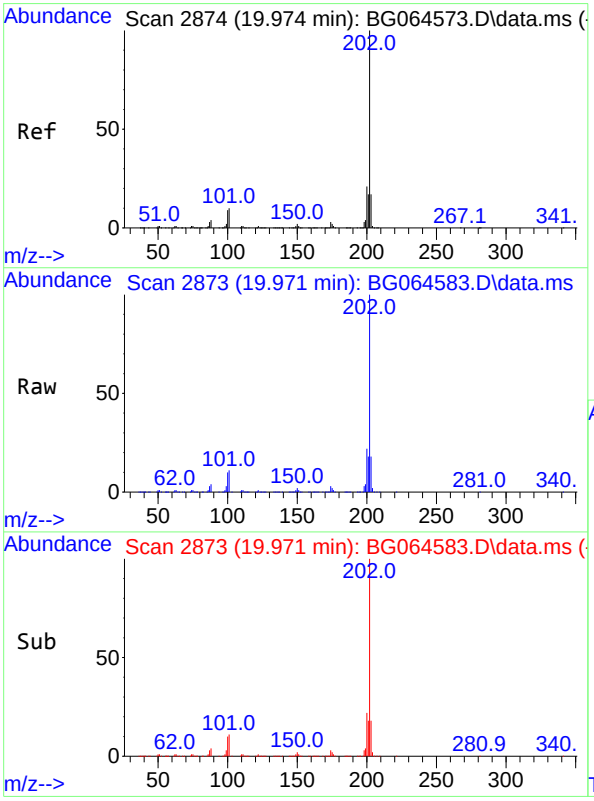
#77
Benzidine
Concen: 59.923 ng
RT: 19.783 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 466575

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.4	17.2
183	11.3	9.4	14.2

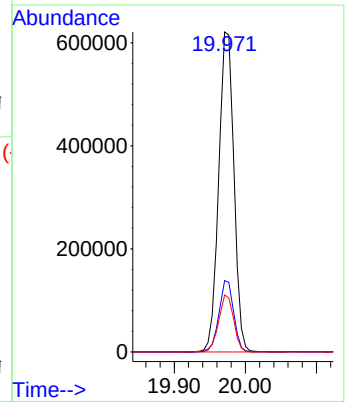


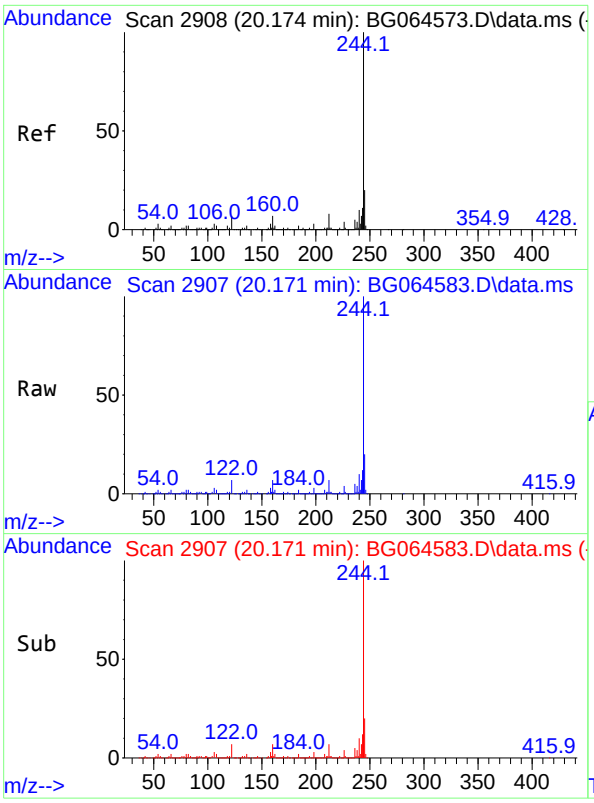


#78
Pyrene
Concen: 40.568 ng
RT: 19.971 min Scan# 2873
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:202 Resp: 921148

Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.0	25.4
203	17.8	13.8	20.6



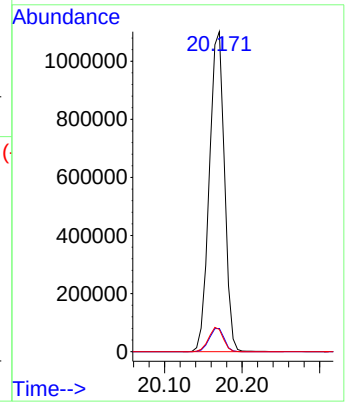


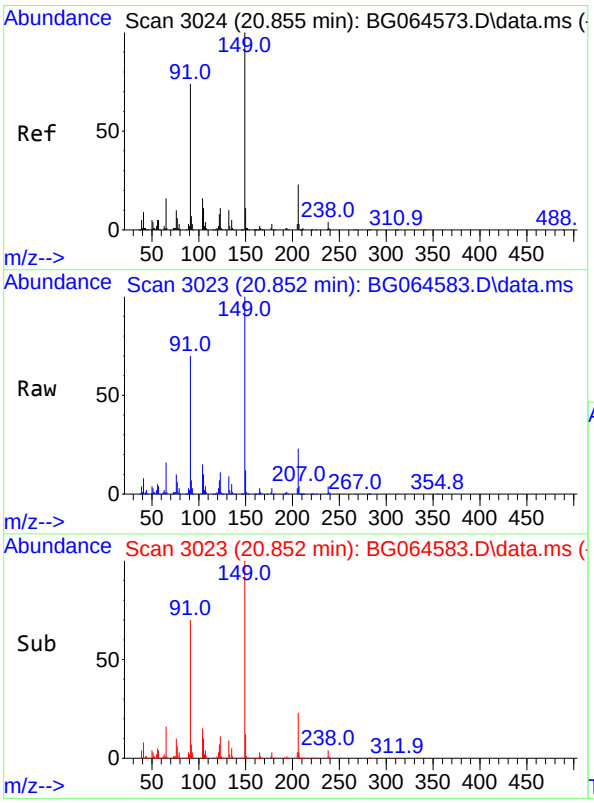
#79
Terphenyl-d14
Concen: 80.733 ng
RT: 20.171 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1486757

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	7.0	5.6	8.4

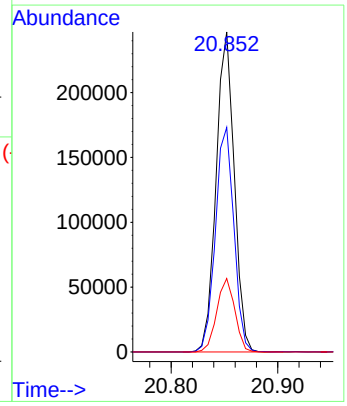


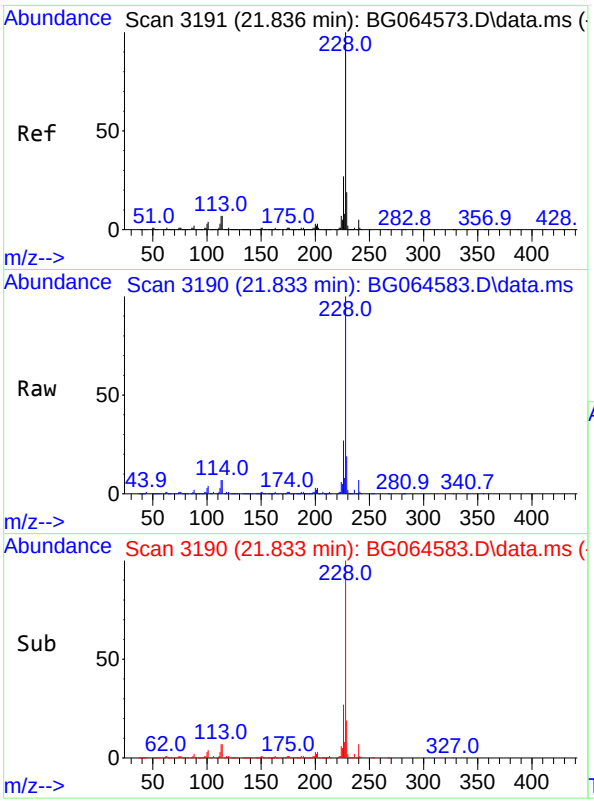


#80
Butylbenzylphthalate
Concen: 42.388 ng
RT: 20.852 min Scan# 3023
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:149 Resp: 290894

Ion	Ratio	Lower	Upper
149	100		
91	70.2	59.2	88.8
206	22.9	18.1	27.1



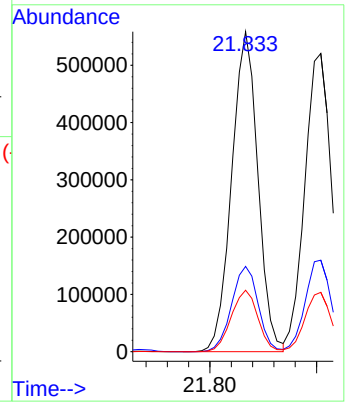


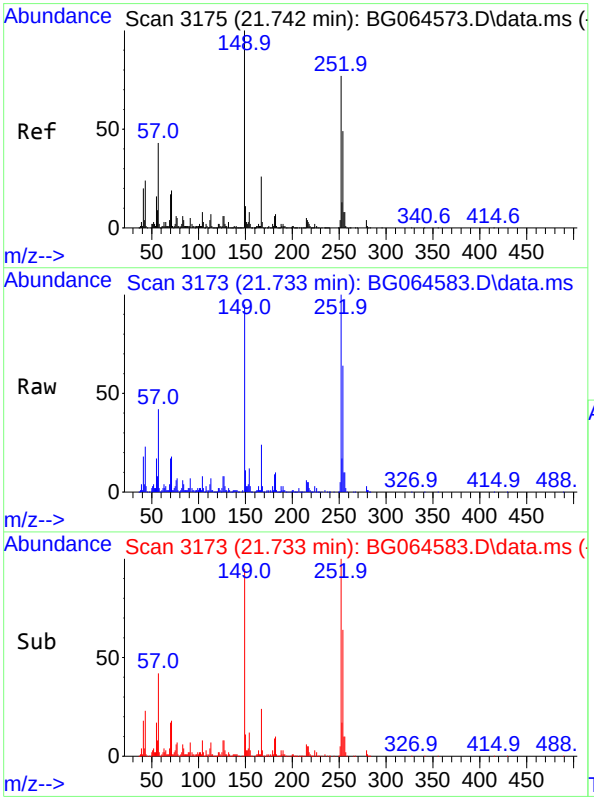
#81
Benzo(a)anthracene
Concen: 41.414 ng
RT: 21.833 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 954317

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.9	32.9
229	19.2	15.6	23.4

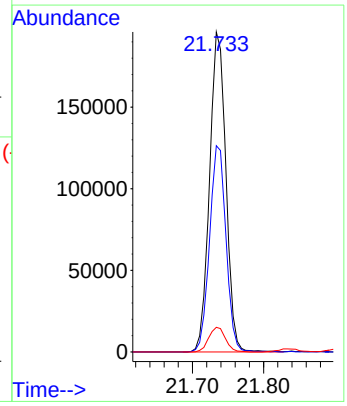


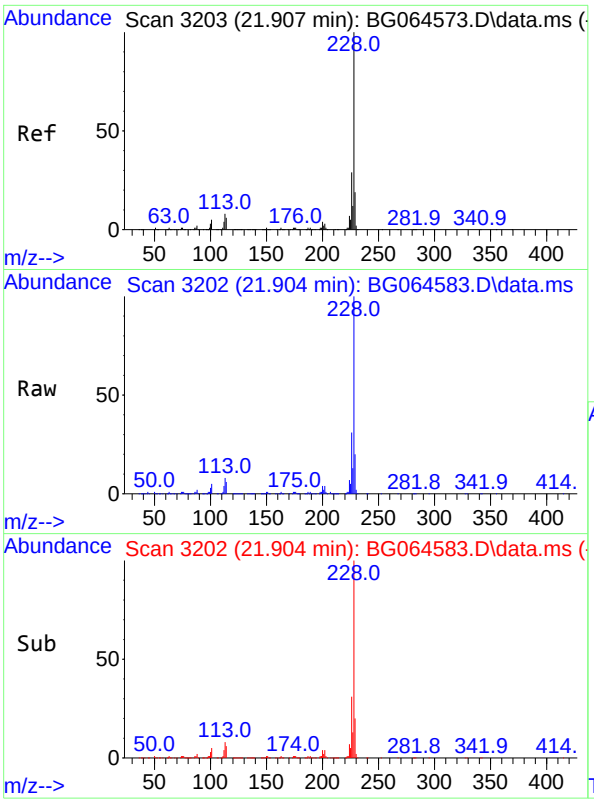


#82
3,3'-Dichlorobenzidine
Concen: 40.849 ng
RT: 21.733 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:252 Resp: 314331

Ion	Ratio	Lower	Upper
252	100		
254	64.4	50.8	76.2
126	7.7	5.8	8.6



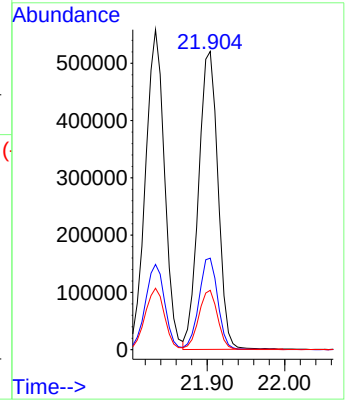


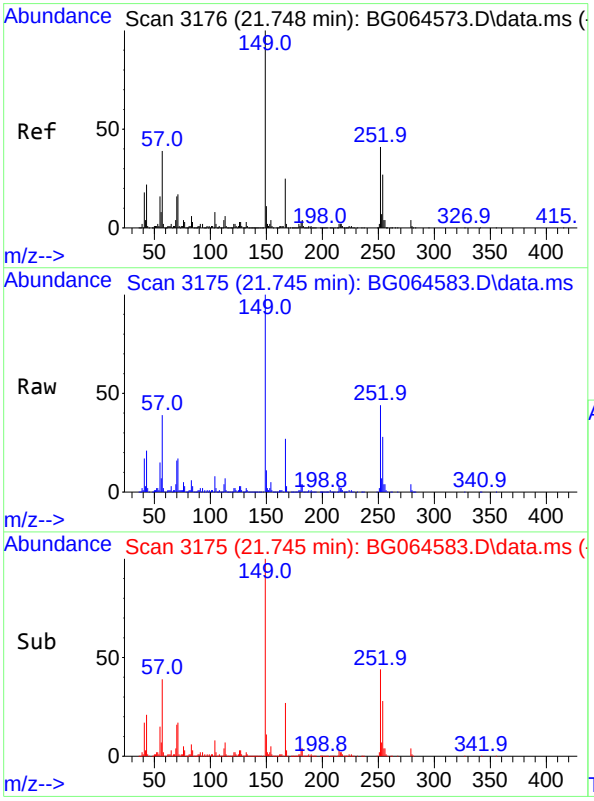
#83
Chrysene
Concen: 41.033 ng
RT: 21.904 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 899714

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.3	34.9
229	19.9	15.2	22.8

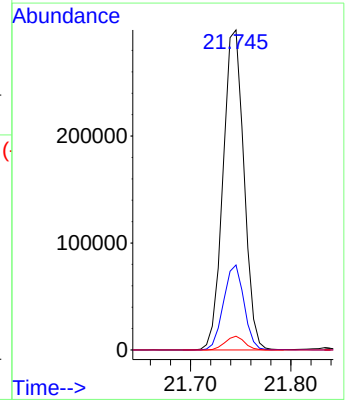


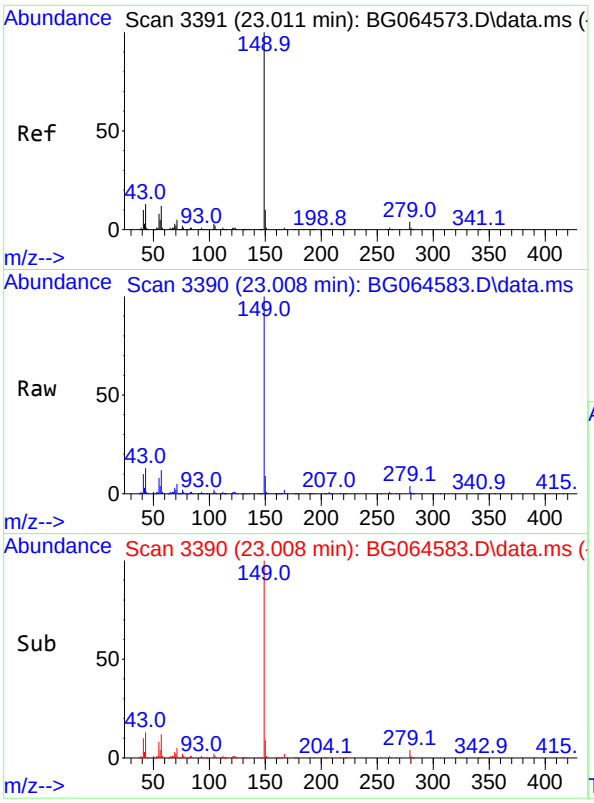


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.146 ng
RT: 21.745 min Scan# 3175
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:149 Resp: 432180

Ion	Ratio	Lower	Upper
149	100		
167	26.6	20.0	30.0
279	4.3	3.1	4.7



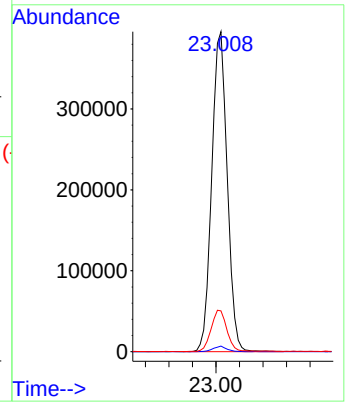


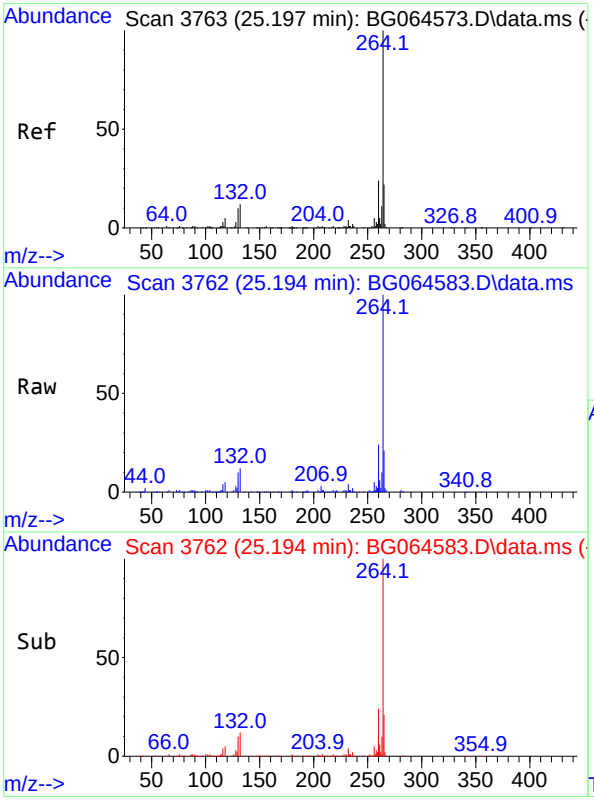
#85
Di-n-octyl phthalate
Concen: 41.817 ng
RT: 23.008 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 722967

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.4	10.8	16.2

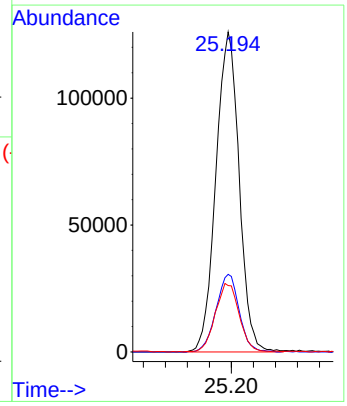


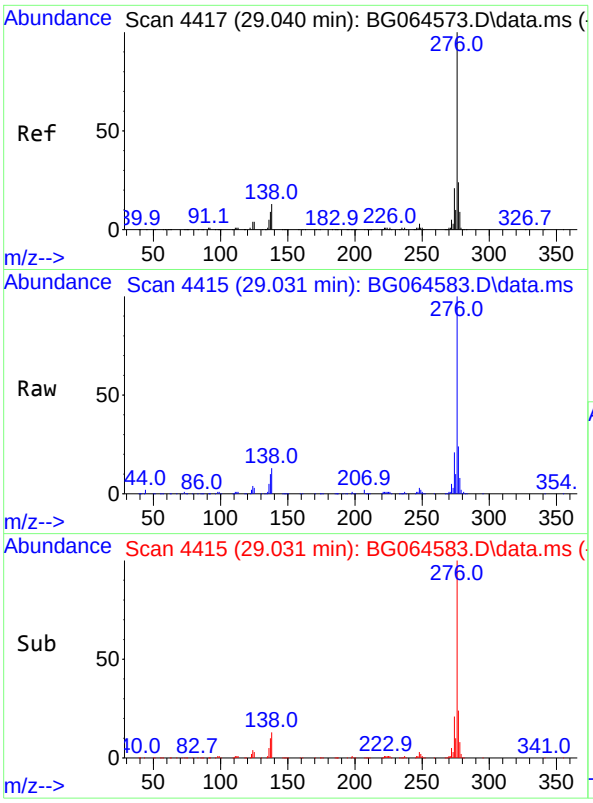


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.194 min Scan# 3762
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:264 Resp: 368889

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.4
265	20.7	17.6	26.4



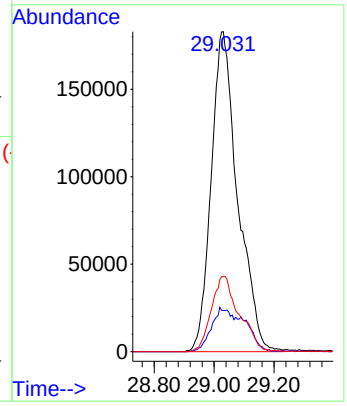


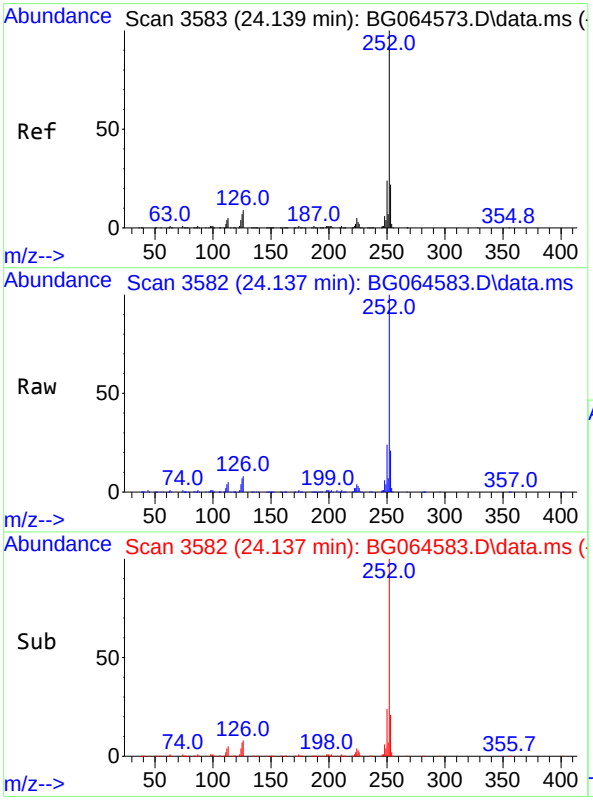
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.398 ng
RT: 29.031 min Scan# 44
Delta R.T. -0.030 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 1123402

Ion	Ratio	Lower	Upper
276	100		
138	12.3	10.8	16.2
277	24.9	20.1	30.1

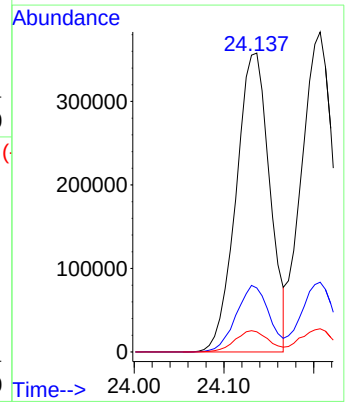


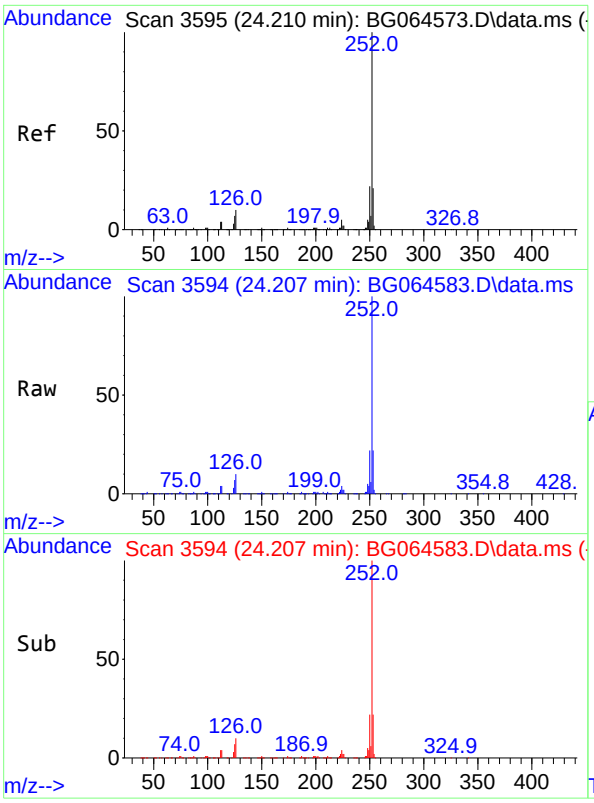


#88
Benzo(b)fluoranthene
Concen: 41.242 ng
RT: 24.137 min Scan# 3582
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:252 Resp: 932900

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.8
125	6.8	5.6	8.4



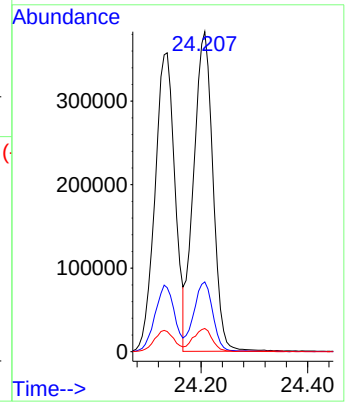


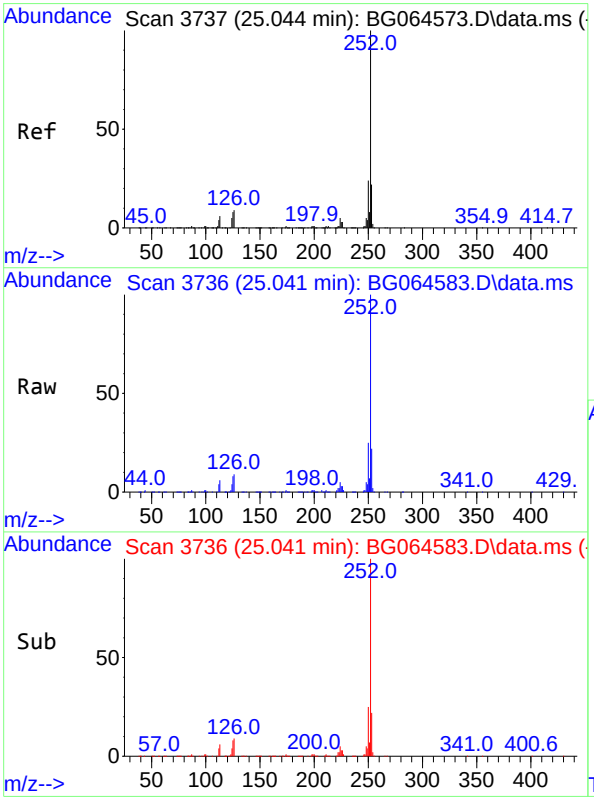
#89
Benzo(k)fluoranthene
Concen: 42.319 ng
RT: 24.207 min Scan# 3
Delta R.T. -0.012 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 957914

Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.8	25.2
125	7.3	5.4	8.0

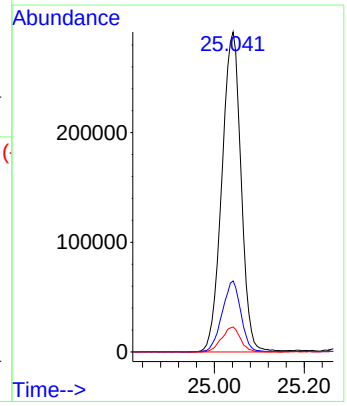


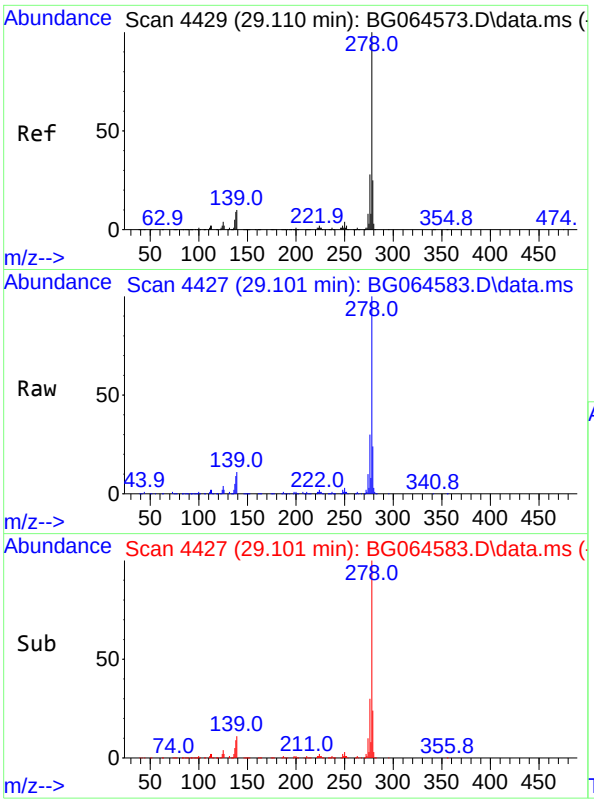


#90
Benzo(a)pyrene
Concen: 41.573 ng
RT: 25.041 min Scan# 3736
Delta R.T. -0.018 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:252 Resp: 864413

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	7.8	6.1	9.1



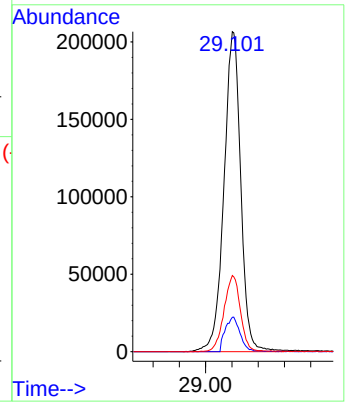


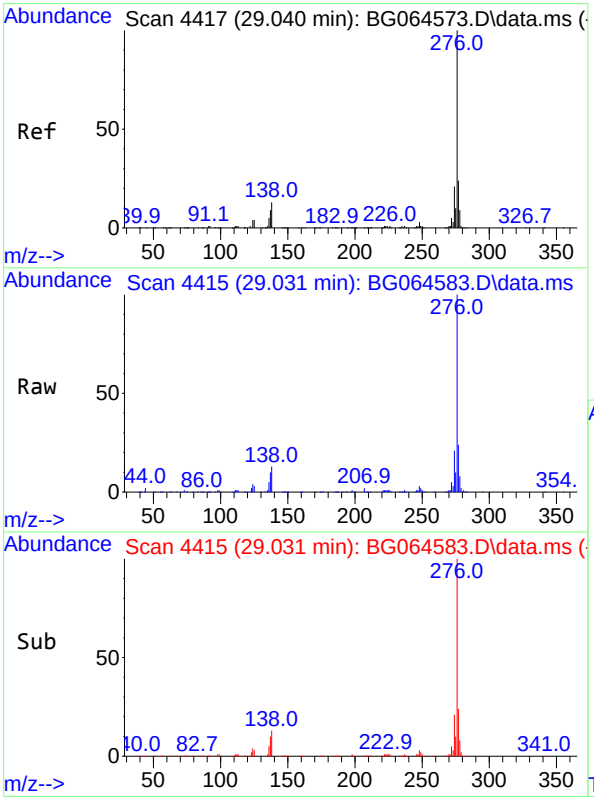
#91
Dibenzo(a,h)anthracene
Concen: 41.553 ng
RT: 29.101 min Scan# 44
Delta R.T. -0.036 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 916106

Ion	Ratio	Lower	Upper
278	100		
139	10.8	8.0	12.0
279	23.8	19.8	29.6

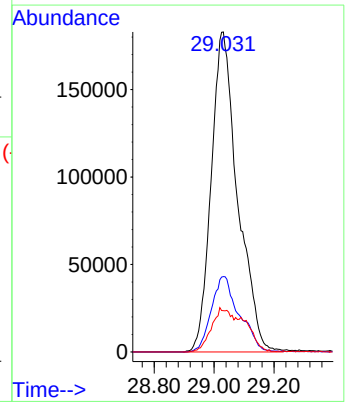




#92
Benzo(g,h,i)perylene
Concen: 41.398 ng
RT: 29.031 min Scan# 4415
Delta R.T. -0.030 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:276 Resp: 1123402

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	12.9	10.7	16.1



Sample Results: **BG064583.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 27 12:47:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	99	0.00
2		1,4-Dioxane	0.528	0.633	-19.9	119	0.00
3		Pyridine	1.584	2.455	-55.0#	145	0.00
4		n-Nitrosodimethylamine	0.850	1.000	-17.6	110	0.00
5	S	2-Fluorophenol	1.192	1.450	-21.6	111	0.00
6		Aniline	2.225	2.744	-23.3	114	0.00
7	S	Phenol-d6	1.635	2.044	-25.0#	114	0.00
8		2-Chlorophenol	1.247	1.578	-26.5#	114	0.00
9		Benzaldehyde	0.893	1.717	-92.3#	181#	0.00
10	C	Phenol	1.808	2.253	-24.6#	115	0.00
11		bis(2-Chloroethyl)ether	2.225	2.744	-23.3	114	0.00
12		1,3-Dichlorobenzene	1.435	1.497	-4.3	97	0.00
13	C	1,4-Dichlorobenzene	1.460	1.518	-4.0	98	0.00
14		1,2-Dichlorobenzene	1.408	1.461	-3.8	97	0.00
15		Benzyl Alcohol	1.348	1.452	-7.7	101	0.00
16		2,2'-oxybis(1-Chloropropane	3.487	3.810	-9.3	101	0.00
17		2-Methylphenol	0.674	0.741	-9.9	98	0.00
18		Hexachloroethane	0.512	0.530	-3.5	97	0.00
19	P	n-Nitroso-di-n-propylamine	1.130	1.299	-15.0	105	0.00
20		3+4-Methylphenols	1.688	1.798	-6.5	98	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22		Acetophenone	0.547	0.561	-2.6	101	0.00
23	S	Nitrobenzene-d5	0.333	0.335	-0.6	94	0.00
24		Nitrobenzene	0.362	0.371	-2.5	95	0.00
25		Isophorone	0.799	0.838	-4.9	102	-0.01
26	C	2-Nitrophenol	0.121	0.114	5.8	88	0.00
27		2,4-Dimethylphenol	0.303	0.316	-4.3	99	0.00
28		bis(2-Chloroethoxy)methane	0.455	0.477	-4.8	103	0.00
29	C	2,4-Dichlorophenol	0.320	0.336	-5.0	99	0.00
30		1,2,4-Trichlorobenzene	0.363	0.370	-1.9	100	0.00
31		Naphthalene	1.109	1.134	-2.3	102	0.00
32		Benzoic acid	0.189	0.176	6.9	91	-0.02
33		4-Chloroaniline	0.431	0.451	-4.6	104	0.00
34	C	Hexachlorobutadiene	0.284	0.289	-1.8	102	0.00
35		Caprolactam	0.123	0.118	4.1	93	-0.02
36	C	4-Chloro-3-methylphenol	0.384	0.401	-4.4	99	0.00
37		2-Methylnaphthalene	0.814	0.842	-3.4	103	0.00
38		1-Methylnaphthalene	0.801	0.823	-2.7	102	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	105	0.00
40		1,2,4,5-Tetrachlorobenzene	0.671	0.671	0.0	100	0.00
41	P	Hexachlorocyclopentadiene	0.302	0.278	7.9	90	0.00
42	S	2,4,6-Tribromophenol	0.289	0.288	0.3	95	0.00
43	C	2,4,6-Trichlorophenol	0.384	0.396	-3.1	98	0.00
44		2,4,5-Trichlorophenol	0.443	0.454	-2.5	98	0.00
45	S	2-Fluorobiphenyl	1.319	1.332	-1.0	101	0.00
46		1,1'-Biphenyl	1.422	1.458	-2.5	102	0.00
47		2-Chloronaphthalene	1.073	1.098	-2.3	101	0.00

Sample Results: **BG064583.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 27 12:47:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	0.311	0.299	3.9	90	0.00
49		Acenaphthylene	1.693	1.726	-1.9	101	0.00
50		Dimethylphthalate	1.530	1.534	-0.3	98	0.00
51		2,6-Dinitrotoluene	0.218	0.217	0.5	92	0.00
52	C	Acenaphthene	1.157	1.176	-1.6	101	0.00
53		3-Nitroaniline	0.263	0.266	-1.1	95	0.00
54	P	2,4-Dinitrophenol	0.132	0.132	0.0	101	0.00
55		Dibenzofuran	1.870	1.902	-1.7	101	0.00
56	P	4-Nitrophenol	0.244	0.236	3.3	95	0.00
57		2,4-Dinitrotoluene	0.340	0.332	2.4	90	0.00
58		Fluorene	1.460	1.460	0.0	100	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.435	-2.6	98	0.00
60		Diethylphthalate	1.563	1.538	1.6	97	0.00
61		4-Chlorophenyl-phenylether	0.820	0.816	0.5	99	0.00
62		4-Nitroaniline	0.293	0.301	-2.7	96	-0.01
63		Azobenzene	1.434	1.481	-3.3	101	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00
65		4,6-Dinitro-2-methylphenol	0.079	0.080	-1.3	100	0.00
66	c	n-Nitrosodiphenylamine	0.540	0.565	-4.6	100	0.00
67		4-Bromophenyl-phenylether	0.237	0.247	-4.2	99	0.00
68		Hexachlorobenzene	0.270	0.278	-3.0	98	0.00
69		Atrazine	0.232	0.221	4.7	93	0.00
70	C	Pentachlorophenol	0.169	0.169	0.0	97	0.00
71		Phenanthrene	1.094	1.114	-1.8	99	0.00
72		Anthracene	1.113	1.141	-2.5	100	0.00
73		Carbazole	0.981	0.995	-1.4	100	0.00
74		Di-n-butylphthalate	1.134	1.104	2.6	92	0.00
75	C	Fluoranthene	1.370	1.371	-0.1	99	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	104	-0.01
77		Benzidine	0.448	0.671	-49.8#	143	0.00
78		Pyrene	1.307	1.325	-1.4	98	0.00
79	S	Terphenyl-d14	1.060	1.069	-0.8	98	0.00
80		Butylbenzylphthalate	0.395	0.419	-6.1	97	0.00
81		Benzo(a)anthracene	1.326	1.373	-3.5	101	0.00
82		3,3'-Dichlorobenzidine	0.443	0.452	-2.0	99	0.00
83		Chrysene	1.262	1.294	-2.5	101	0.00
84		Bis(2-ethylhexyl)phthalate	0.590	0.622	-5.4	97	0.00
85	c	Di-n-octyl phthalate	0.995	1.040	-4.5	100	0.00
86	I	Perylene-d12	1.000	1.000	0.0	105	0.00
87		Indeno(1,2,3-cd)pyrene	1.471	1.523	-3.5	102	-0.03
88		Benzo(b)fluoranthene	1.226	1.264	-3.1	101	0.00
89		Benzo(k)fluoranthene	1.227	1.298	-5.8	106	-0.01
90	C	Benzo(a)pyrene	1.127	1.172	-4.0	103	-0.02
91		Dibenzo(a,h)anthracene	1.195	1.242	-3.9	103	-0.04
92		Benzo(g,h,i)perylene	1.471	1.523	-3.5	102	-0.03

Sample Results: **BG064583.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 27 12:47:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Sample Results: **BG064583.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 27 12:47:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	99	0.00
2		1,4-Dioxane	40.000	48.018	-20.0	119	0.00
3		Pyridine	40.000	61.994	-55.0#	145	0.00
4		n-Nitrosodimethylamine	40.000	47.077	-17.7	110	0.00
5	S	2-Fluorophenol	80.000	97.366	-21.7	111	0.00
6		Aniline	40.000	49.338	-23.3	114	0.00
7	S	Phenol-d6	80.000	100.000	-25.0	114	0.00
8		2-Chlorophenol	40.000	50.611	-26.5#	114	0.00
9		Benzaldehyde	40.000	76.923	-92.3#	181	0.00
10	C	Phenol	40.000	49.835	-24.6#	115	0.00
11		bis(2-Chloroethyl)ether	40.000	49.338	-23.3	114	0.00
12		1,3-Dichlorobenzene	40.000	41.710	-4.3	97	0.00
13	C	1,4-Dichlorobenzene	40.000	41.603	-4.0	98	0.00
14		1,2-Dichlorobenzene	40.000	41.508	-3.8	97	0.00
15		Benzyl Alcohol	40.000	43.062	-7.7	101	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	43.704	-9.3	101	0.00
17		2-Methylphenol	40.000	43.960	-9.9	98	0.00
18		Hexachloroethane	40.000	41.409	-3.5	97	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	45.972	-14.9	105	0.00
20		3+4-Methylphenols	40.000	42.591	-6.5	98	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	106	0.00
22		Acetophenone	40.000	41.032	-2.6	101	0.00
23	S	Nitrobenzene-d5	80.000	80.547	-0.7	94	0.00
24		Nitrobenzene	40.000	40.927	-2.3	95	0.00
25		Isophorone	40.000	41.948	-4.9	102	-0.01
26	C	2-Nitrophenol	40.000	33.699	15.8	88	0.00
27		2,4-Dimethylphenol	40.000	41.721	-4.3	99	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.969	-4.9	103	0.00
29	C	2,4-Dichlorophenol	40.000	42.048	-5.1	99	0.00
30		1,2,4-Trichlorobenzene	40.000	40.719	-1.8	100	0.00
31		Naphthalene	40.000	40.895	-2.2	102	0.00
32		Benzoic acid	40.000	34.567	13.6	91	-0.02
33		4-Chloroaniline	40.000	41.846	-4.6	104	0.00
34	C	Hexachlorobutadiene	40.000	40.684	-1.7	102	0.00
35		Caprolactam	40.000	38.487	3.8	93	-0.02
36	C	4-Chloro-3-methylphenol	40.000	41.668	-4.2	99	0.00
37		2-Methylnaphthalene	40.000	41.357	-3.4	103	0.00
38		1-Methylnaphthalene	40.000	41.099	-2.7	102	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	105	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.969	0.1	100	0.00
41	P	Hexachlorocyclopentadiene	40.000	36.818	8.0	90	0.00
42	S	2,4,6-Tribromophenol	80.000	79.732	0.3	95	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.278	-3.2	98	0.00
44		2,4,5-Trichlorophenol	40.000	41.000	-2.5	98	0.00
45	S	2-Fluorobiphenyl	80.000	80.739	-0.9	101	0.00
46		1,1'-Biphenyl	40.000	41.012	-2.5	102	0.00
47		2-Chloronaphthalene	40.000	40.928	-2.3	101	0.00

Sample Results: **BG064583.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 27 12:47:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	34.152	14.6	90	0.00
49		Acenaphthylene	40.000	40.780	-2.0	101	0.00
50		Dimethylphthalate	40.000	40.096	-0.2	98	0.00
51		2,6-Dinitrotoluene	40.000	35.352	11.6	92	0.00
52	C	Acenaphthene	40.000	40.659	-1.6	101	0.00
53		3-Nitroaniline	40.000	40.529	-1.3	95	0.00
54	P	2,4-Dinitrophenol	40.000	37.232	6.9	101	0.00
55		Dibenzofuran	40.000	40.693	-1.7	101	0.00
56	P	4-Nitrophenol	40.000	38.706	3.2	95	0.00
57		2,4-Dinitrotoluene	40.000	34.936	12.7	90	0.00
58		Fluorene	40.000	39.986	0.0	100	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.112	-2.8	98	0.00
60		Diethylphthalate	40.000	39.366	1.6	97	0.00
61		4-Chlorophenyl-phenylether	40.000	39.849	0.4	99	0.00
62		4-Nitroaniline	40.000	41.112	-2.8	96	-0.01
63		Azobenzene	40.000	41.315	-3.3	101	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	104	0.00
65		4,6-Dinitro-2-methylphenol	40.000	37.510	6.2	100	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.867	-4.7	100	0.00
67		4-Bromophenyl-phenylether	40.000	41.720	-4.3	99	0.00
68		Hexachlorobenzene	40.000	41.094	-2.7	98	0.00
69		Atrazine	40.000	37.977	5.1	93	0.00
70	C	Pentachlorophenol	40.000	40.129	-0.3	97	0.00
71		Phenanthrene	40.000	40.740	-1.9	99	0.00
72		Anthracene	40.000	41.035	-2.6	100	0.00
73		Carbazole	40.000	40.561	-1.4	100	0.00
74		Di-n-butylphthalate	40.000	38.911	2.7	92	0.00
75	C	Fluoranthene	40.000	40.019	-0.0	99	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	104	-0.01
77		Benzidine	40.000	59.923	-49.8#	143	0.00
78		Pyrene	40.000	40.568	-1.4	98	0.00
79	S	Terphenyl-d14	80.000	80.733	-0.9	98	0.00
80		Butylbenzylphthalate	40.000	42.388	-6.0	97	0.00
81		Benzo(a)anthracene	40.000	41.414	-3.5	101	0.00
82		3,3'-Dichlorobenzidine	40.000	40.849	-2.1	99	0.00
83		Chrysene	40.000	41.033	-2.6	101	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	42.146	-5.4	97	0.00
85	c	Di-n-octyl phthalate	40.000	41.817	-4.5	100	0.00
86	I	Perylene-d12	20.000	20.000	0.0	105	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.398	-3.5	102	-0.03
88		Benzo(b)fluoranthene	40.000	41.242	-3.1	101	0.00
89		Benzo(k)fluoranthene	40.000	42.319	-5.8	106	-0.01
90	C	Benzo(a)pyrene	40.000	41.573	-3.9	103	-0.02
91		Dibenzo(a,h)anthracene	40.000	41.553	-3.9	103	-0.04
92		Benzo(g,h,i)perylene	40.000	41.398	-3.5	102	-0.03

Sample Results: **BG064583.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 27 12:47:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

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

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

(#) = Out of Range SPCC's out = 0 CCC's out = 1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: BNA_G Calibration Date/Time: 10/29/2025 11:22

Lab File ID: BG064618.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.266		6.2	
Benzaldehyde	0.893	0.838		-6.2	
Phenol-d6	1.635	1.656		1.3	
Phenol	1.808	1.838		1.7	20.0
bis(2-Chloroethyl)ether	2.225	2.273		2.2	
2-Chlorophenol	1.247	1.377		10.4	
2-Methylphenol	0.674	0.720		6.8	
2,2-oxybis(1-Chloropropane)	3.487	3.674		5.4	
Acetophenone	0.547	0.581		6.2	
3+4-Methylphenols	1.688	1.742		3.2	
n-Nitroso-di-n-propylamine	1.130	1.223	0.050	8.2	
Nitrobenzene-d5	0.333	0.401		20.4	
Hexachloroethane	0.512	0.567		10.7	
Nitrobenzene	0.362	0.429		18.5	
Isophorone	0.799	0.833		4.3	
2-Nitrophenol	0.121	0.168		38.8	20.0
2,4-Dimethylphenol	0.303	0.311		2.6	
bis(2-Chloroethoxy)methane	0.455	0.480		5.5	
2,4-Dichlorophenol	0.320	0.352		10.0	20.0
Naphthalene	1.109	1.159		4.5	
4-Chloroaniline	0.431	0.435		0.9	
Hexachlorobutadiene	0.284	0.322		13.4	20.0
Caprolactam	0.123	0.108		-12.2	
4-Chloro-3-methylphenol	0.384	0.389		1.3	20.0
2-Methylnaphthalene	0.814	0.836		2.7	
Hexachlorocyclopentadiene	0.302	0.400	0.050	32.5	
2,4,6-Trichlorophenol	0.384	0.455		18.5	20.0
2-Fluorobiphenyl	1.319	1.473		11.7	
2,4,5-Trichlorophenol	0.443	0.492		11.1	
1,1-Biphenyl	1.422	1.535		7.9	
2-Chloronaphthalene	1.073	1.175		9.5	
2-Nitroaniline	0.311	0.378		21.5	
Dimethylphthalate	1.530	1.552		1.4	
Acenaphthylene	1.693	1.770		4.5	
2,6-Dinitrotoluene	0.218	0.272		24.8	
3-Nitroaniline	0.263	0.288		9.5	
Acenaphthene	1.157	1.225		5.9	20.0
2,4-Dinitrophenol	0.132	0.164	0.050	24.2	
4-Nitrophenol	0.244	0.241	0.050	-1.2	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG No.: Q3422

Instrument ID: BNA_G Calibration Date/Time: 10/29/2025 11:22

Lab File ID: BG064618.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.930		3.2	
2,4-Dinitrotoluene	0.340	0.396		16.5	
Diethylphthalate	1.563	1.507		-3.6	
4-Chlorophenyl-phenylether	0.820	0.840		2.4	
Fluorene	1.460	1.476		1.1	
4-Nitroaniline	0.293	0.306		4.4	
4,6-Dinitro-2-methylphenol	0.079	0.104		31.6	
n-Nitrosodiphenylamine	0.540	0.582		7.8	20.0
2,4,6-Tribromophenol	0.289	0.312		8.0	
4-Bromophenyl-phenylether	0.237	0.262		10.5	
Hexachlorobenzene	0.270	0.300		11.1	
Atrazine	0.232	0.233		0.4	
Pentachlorophenol	0.169	0.189		11.8	20.0
Phenanthrene	1.094	1.132		3.5	
Anthracene	1.113	1.125		1.1	
Carbazole	0.981	0.970		-1.1	
Di-n-butylphthalate	1.135	1.140		0.4	
Fluoranthene	1.370	1.343		-2.0	20.0
Pyrene	1.307	1.322		1.1	
Terphenyl-d14	1.060	1.074		1.3	
Butylbenzylphthalate	0.395	0.462		17.0	
3,3-Dichlorobenzidine	0.443	0.484		9.3	
Benzo(a)anthracene	1.326	1.395		5.2	
Chrysene	1.262	1.298		2.9	
Bis(2-ethylhexyl)phthalate	0.590	0.671		13.7	
Di-n-octyl phthalate	0.995	1.203		20.9	20.0
Benzo(b)fluoranthene	1.226	1.236		0.8	
Benzo(k)fluoranthene	1.227	1.235		0.7	
Benzo(a)pyrene	1.127	1.157		2.7	20.0
Indeno(1,2,3-cd)pyrene	1.471	1.519		3.3	
Dibenzo(a,h)anthracene	1.195	1.241		3.8	
Benzo(g,h,i)perylene	1.471	1.519		3.3	
1,2,4,5-Tetrachlorobenzene	0.671	0.754		12.4	
1,4-Dioxane	0.528	0.560		6.1	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.469		10.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064618.D
Acq On : 29 Oct 2025 11:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Oct 29 12:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.223	152	36613	20.000	ng		0.00
21) Naphthalene-d8	11.043	136	148961	20.000	ng		0.00
39) Acenaphthene-d10	14.839	164	108882	20.000	ng		0.00
64) Phenanthrene-d10	17.577	188	241683	20.000	ng		0.00
76) Chrysene-d12	21.854	240	261016	20.000	ng		0.00
86) Perylene-d12	25.197	264	298207	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.743	112	185390	84.991	ng		0.00
7) Phenol-d6	7.353	99	242475	81.009	ng		0.00
23) Nitrobenzene-d5	9.380	82	238914	96.333	ng		0.00
42) 2,4,6-Tribromophenol	16.319	330	135782	86.403	ng		0.00
45) 2-Fluorobiphenyl	13.470	172	641606	89.318	ng		0.00
79) Terphenyl-d14	20.168	244	1121232	81.066	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.587	88	41038	42.495	ng		97
3) Pyridine	3.998	79	118806	40.966	ng		97
4) n-Nitrosodimethylamine	3.904	42	63036	40.532	ng		100
6) Aniline	7.529	93	166421	40.860	ng		98
8) 2-Chlorophenol	7.776	128	100847	44.170	ng		99
9) Benzaldehyde	7.341	77	61374	37.558	ng		96
10) Phenol	7.377	94	134608	40.664	ng		96
11) bis(2-Chloroethyl)ether	7.529	93	166421	40.860	ng		97
12) 1,3-Dichlorobenzene	8.111	146	113188	43.073	ng		98
13) 1,4-Dichlorobenzene	8.258	146	113697	42.552	ng		98
14) 1,2-Dichlorobenzene	8.575	146	111091	43.105	ng		98
15) Benzyl Alcohol	8.446	79	104162	42.201	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.740	45	269007	42.138	ng		98
17) 2-Methylphenol	8.446	107	52746	42.752	ng		94
18) Hexachloroethane	9.321	117	41522	44.282	ng		95
19) n-Nitroso-di-n-propyla...	9.022	70	89519	43.275	ng		97
20) 3+4-Methylphenols	8.975	107	127586	41.279	ng		99
22) Acetophenone	9.039	105	173153	42.523	ng	#	97
24) Nitrobenzene	9.427	77	127739	47.355	ng		97
25) Isophorone	9.956	82	248133	41.695	ng		99
26) 2-Nitrophenol	10.144	139	49935	47.979	ng		96
27) 2,4-Dimethylphenol	10.191	122	92582	41.002	ng		93
28) bis(2-Chloroethoxy)met...	10.432	93	142887	42.170	ng		99
29) 2,4-Dichlorophenol	10.679	162	104960	44.058	ng		95
30) 1,2,4-Trichlorobenzene	10.902	180	118900	43.927	ng		96
31) Naphthalene	11.096	128	345379	41.819	ng		99
32) Benzoic acid	10.309	122	60590	38.781	ng		96
33) 4-Chloroaniline	11.184	127	129600	40.373	ng		98
34) Hexachlorobutadiene	11.384	225	95906	45.306	ng		98
35) Caprolactam	11.948	113	32311	35.362	ng		91
36) 4-Chloro-3-methylphenol	12.289	107	115865	40.462	ng		98
37) 2-Methylnaphthalene	12.688	142	249124	41.085	ng		98
38) 1-Methylnaphthalene	12.900	142	245754	41.190	ng		95
40) 1,2,4,5-Tetrachloroben...	13.047	216	164299	44.962	ng		100
41) Hexachlorocyclopentadiene	13.035	237	87148	52.985	ng		99
43) 2,4,6-Trichlorophenol	13.276	196	99057	47.391	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064618.D
Acq On : 29 Oct 2025 11:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Oct 29 12:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

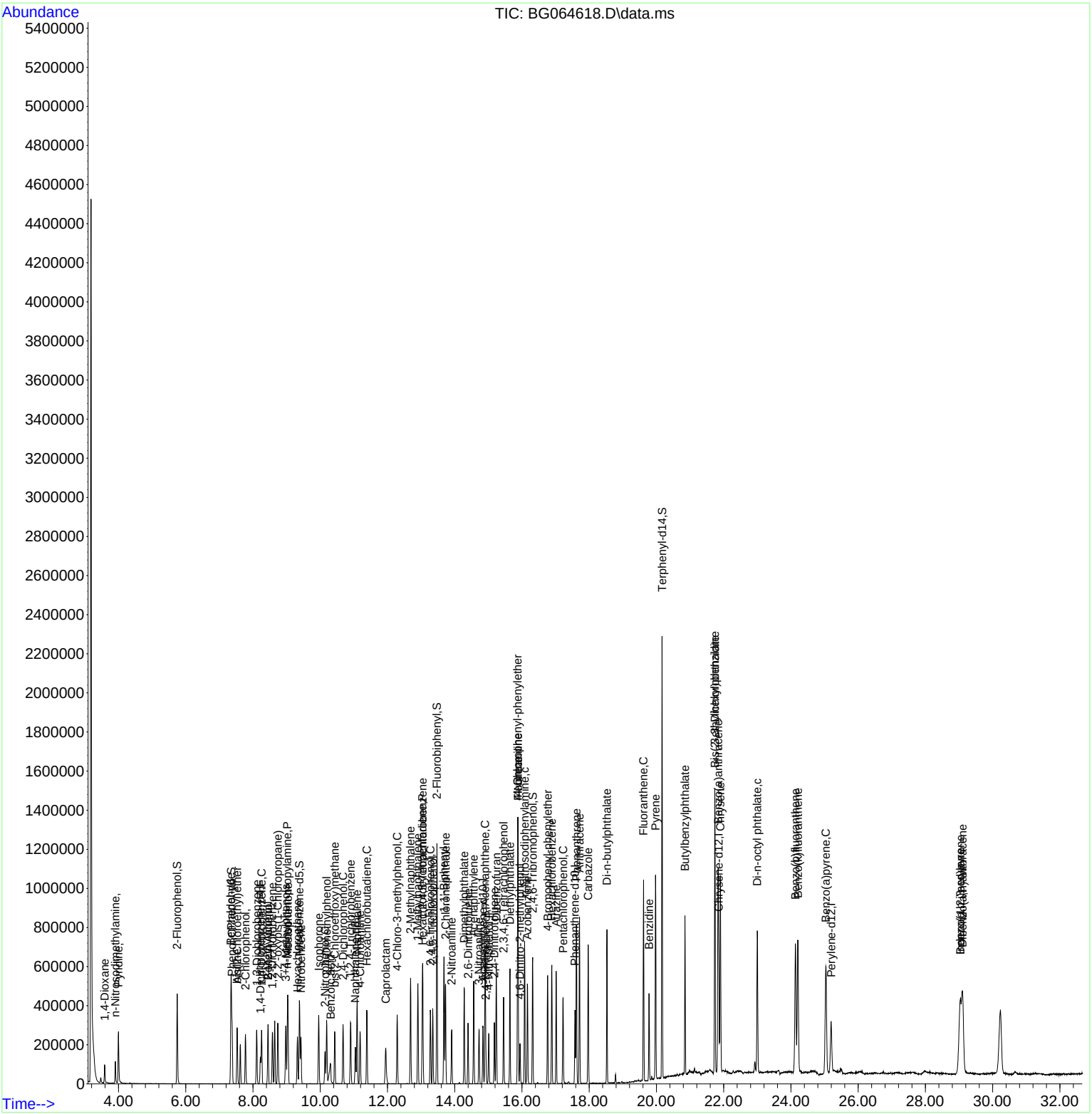
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	107132	44.415	ng		96
46) 1,1'-Biphenyl	13.681	154	334243	43.180	ng		98
47) 2-Chloronaphthalene	13.728	162	255946	43.804	ng		98
48) 2-Nitroaniline	13.910	65	82275	42.351	ng		96
49) Acenaphthylene	14.562	152	385513	41.830	ng		99
50) Dimethylphthalate	14.280	163	338032	40.572	ng		99
51) 2,6-Dinitrotoluene	14.398	165	59140	43.351	ng		97
52) Acenaphthene	14.903	154	266835	42.377	ng		96
53) 3-Nitroaniline	14.721	138	62676	43.773	ng		97
54) 2,4-Dinitrophenol	14.927	184	35680	44.922	ng	#	58
55) Dibenzofuran	15.238	168	420237	41.281	ng		99
56) 4-Nitrophenol	15.015	139	52490	39.540	ng		94
57) 2,4-Dinitrotoluene	15.179	165	86302	41.073	ng	#	99
58) Fluorene	15.884	166	321438	40.432	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.455	232	102176	44.298	ng		99
60) Diethylphthalate	15.644	149	328215	38.582	ng		99
61) 4-Chlorophenyl-phenyle...	15.873	204	182832	40.979	ng		99
62) 4-Nitroaniline	15.884	138	66563	41.786	ng		99
63) Azobenzene	16.161	77	305844	39.183	ng		99
65) 4,6-Dinitro-2-methylph...	15.943	198	50385	47.448	ng		91
66) n-Nitrosodiphenylamine	16.078	169	281278	43.085	ng		98
67) 4-Bromophenyl-phenylether	16.766	248	126485	44.163	ng		98
68) Hexachlorobenzene	16.889	284	145122	44.415	ng		96
69) Atrazine	17.018	200	112465	40.031	ng		96
70) Pentachlorophenol	17.224	266	91563	44.939	ng		94
71) Phenanthrene	17.618	178	547128	41.397	ng		99
72) Anthracene	17.712	178	543644	40.436	ng		99
73) Carbazole	17.970	167	468954	39.556	ng		99
74) Di-n-butylphthalate	18.528	149	550901	40.184	ng		100
75) Fluoranthene	19.615	202	648927	39.193	ng		98
77) Benzidine	19.780	184	265517	45.404	ng		99
78) Pyrene	19.974	202	690102	40.467	ng		99
80) Butylbenzylphthalate	20.849	149	241218	46.801	ng		96
81) Benzo(a)anthracene	21.836	228	728489	42.093	ng		100
82) 3,3'-Dichlorobenzidine	21.736	252	252767	43.737	ng		98
83) Chrysene	21.901	228	677717	41.154	ng		99
84) Bis(2-ethylhexyl)phtha...	21.742	149	350537	45.515	ng		96
85) Di-n-octyl phthalate	23.000	149	627808	48.350	ng		99
87) Indeno(1,2,3-cd)pyrene	29.040	276	906170	41.308	ng		98
88) Benzo(b)fluoranthene	24.134	252	736965	40.302	ng		99
89) Benzo(k)fluoranthene	24.210	252	736695	40.260	ng		99
90) Benzo(a)pyrene	25.038	252	690279	41.067	ng		100
91) Dibenzo(a,h)anthracene	29.104	278	740147	41.529	ng		99
92) Benzo(g,h,i)perylene	29.040	276	906170	41.308	ng		99

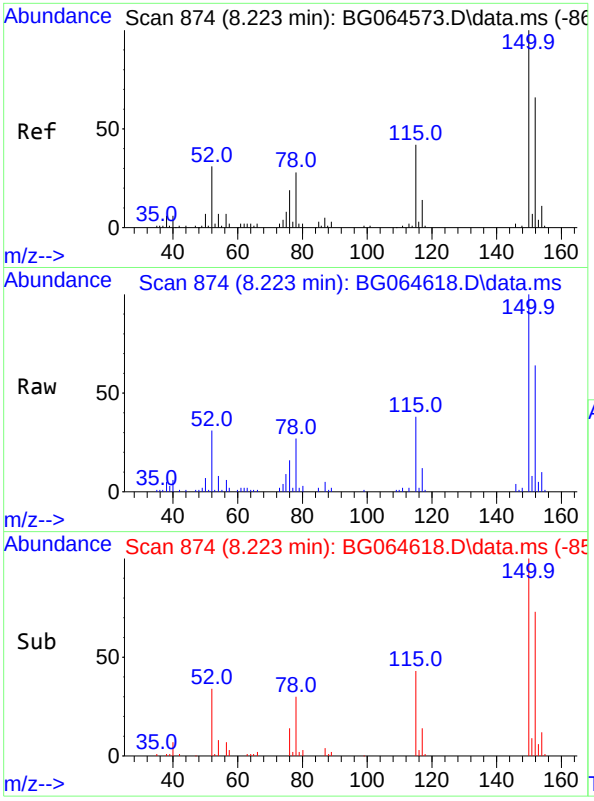
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064618.D
Acq On : 29 Oct 2025 11:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Oct 29 12:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



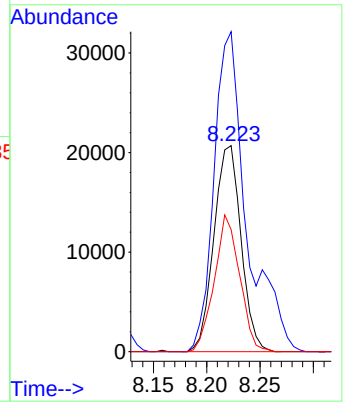


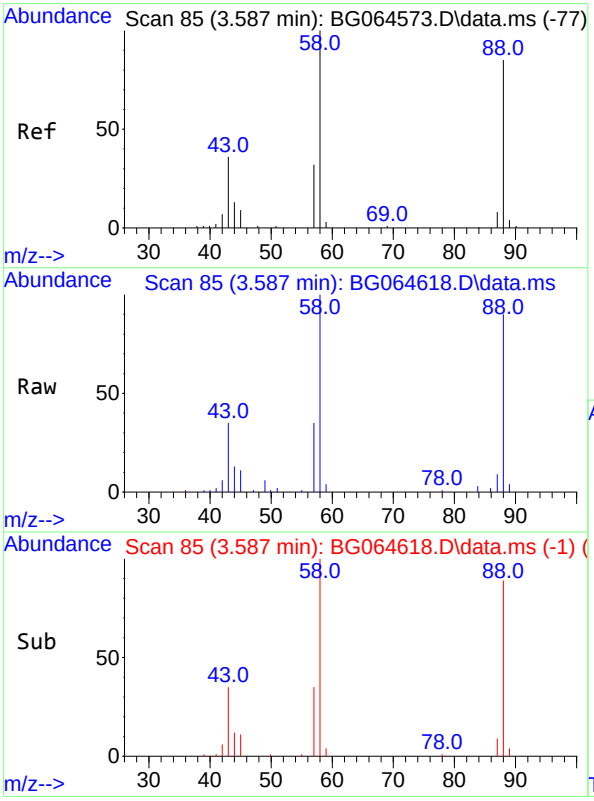
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 36613

Ion	Ratio	Lower	Upper
152	100		
150	155.3	122.2	183.4
115	59.3	50.8	76.2

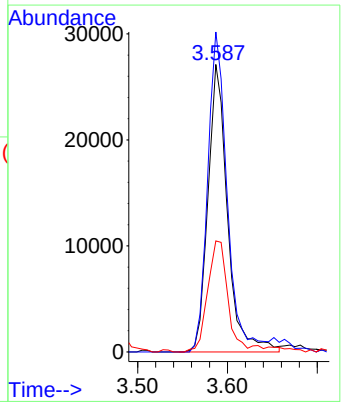


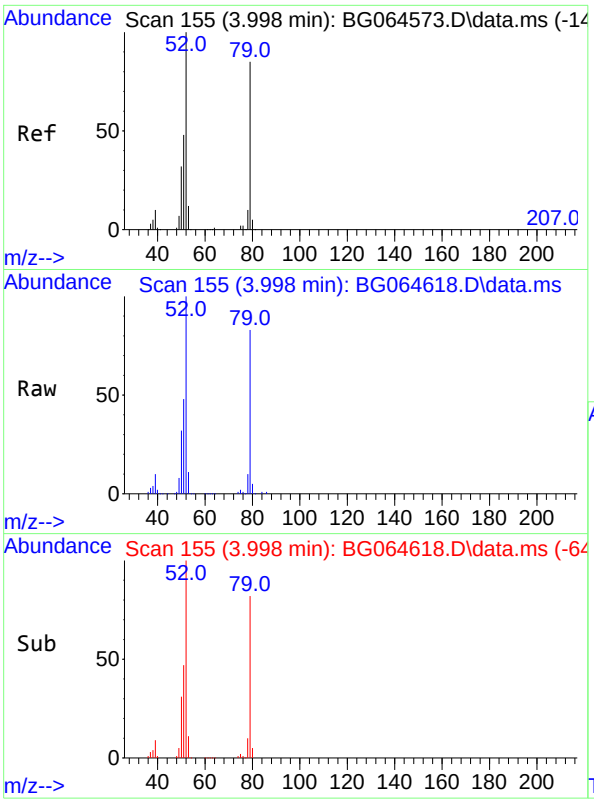


#2
1,4-Dioxane
Concen: 42.495 ng
RT: 3.587 min Scan# 85
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion: 88 Resp: 41038

Ion	Ratio	Lower	Upper
88	100		
58	110.9	92.4	138.6
43	40.4	33.0	49.6



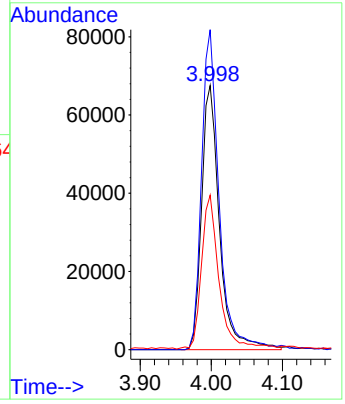


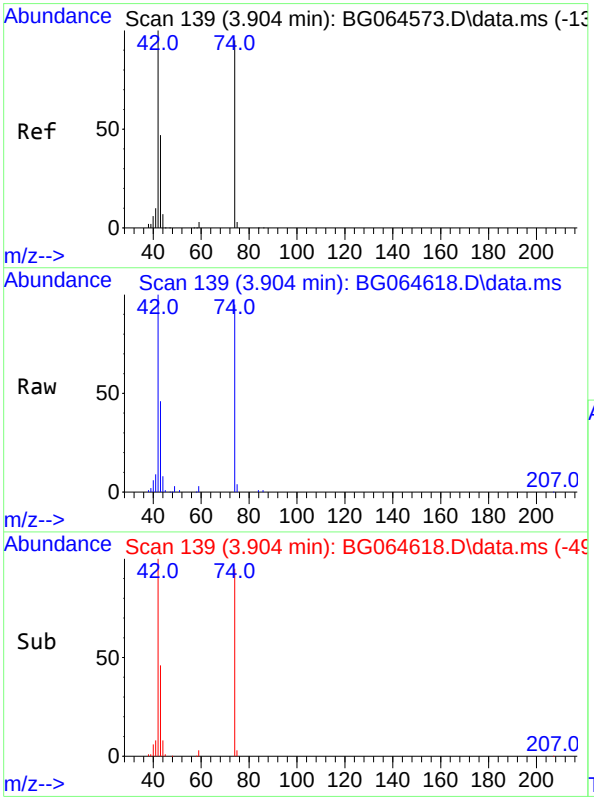
#3
Pyridine
Concen: 40.966 ng
RT: 3.998 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 118806

Ion	Ratio	Lower	Upper
79	100		
52	121.2	94.2	141.2
51	58.5	46.1	69.1

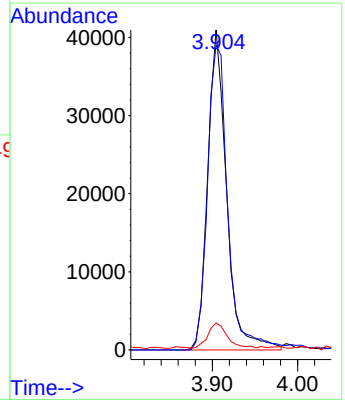


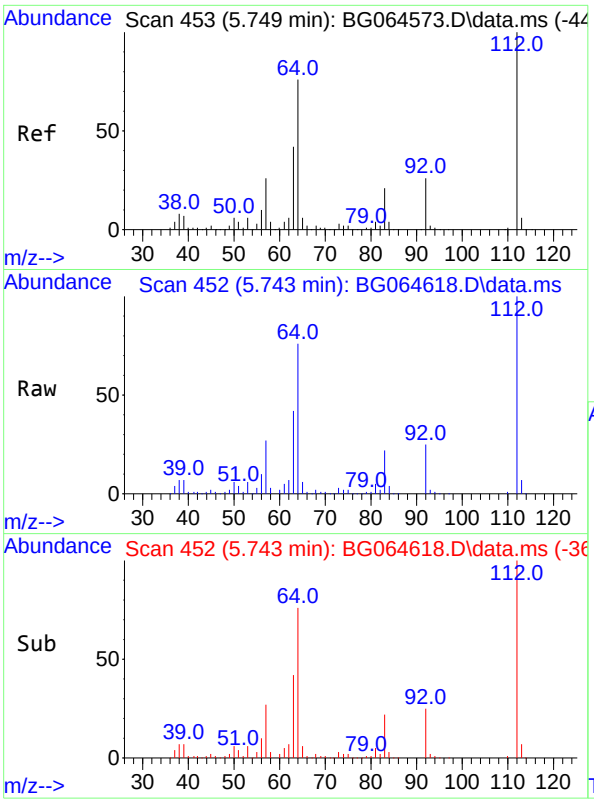


#4
n-Nitrosodimethylamine
Concen: 40.532 ng
RT: 3.904 min Scan# 139
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion: 42 Resp: 63036

Ion	Ratio	Lower	Upper
42	100		
74	95.4	76.1	114.1
44	8.4	6.3	9.5



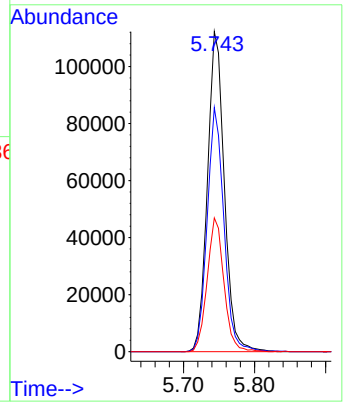


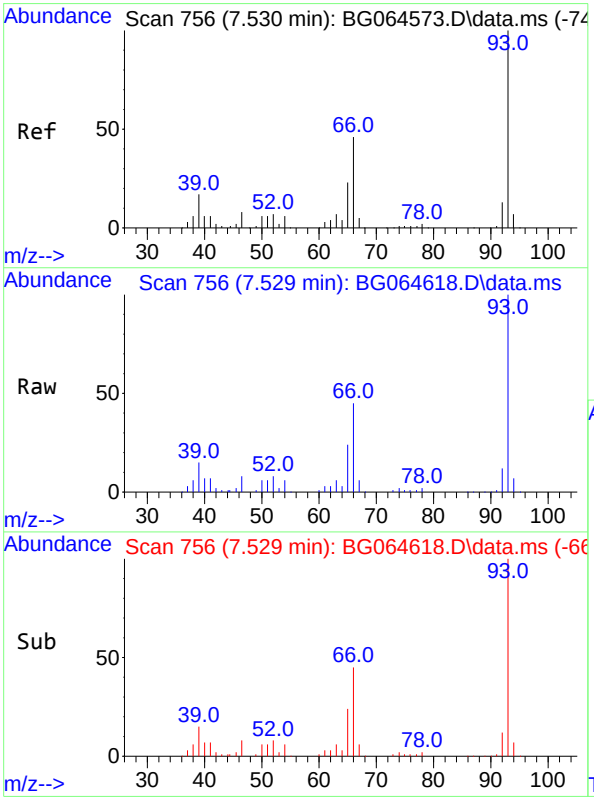
#5
2-Fluorophenol
Concen: 84.991 ng
RT: 5.743 min Scan# 4
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 185390

Ion	Ratio	Lower	Upper
112	100		
64	76.3	60.7	91.1
63	41.8	33.4	50.0

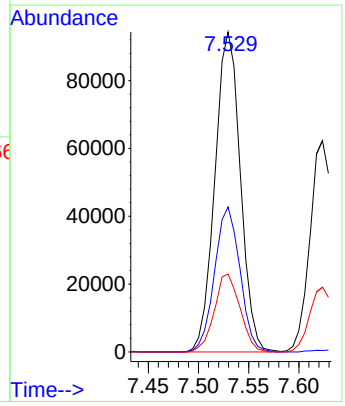


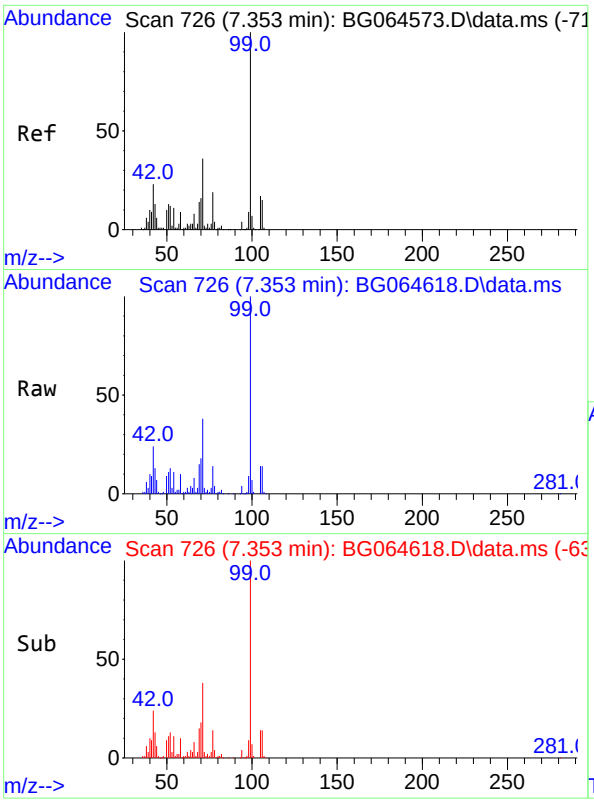


#6
Aniline
Concen: 40.860 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion: 93 Resp: 166421

Ion	Ratio	Lower	Upper
93	100		
66	45.3	37.0	55.6
65	24.3	18.3	27.5



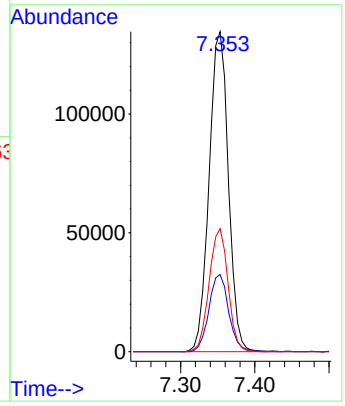


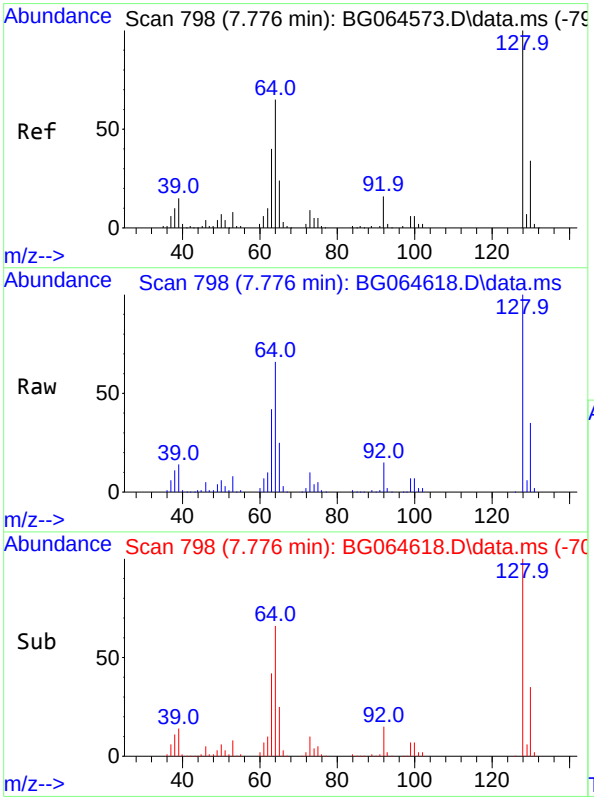
#7
Phenol-d6
Concen: 81.009 ng
RT: 7.353 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 242475

Ion	Ratio	Lower	Upper
99	100		
42	24.1	18.3	27.5
71	38.5	28.6	43.0

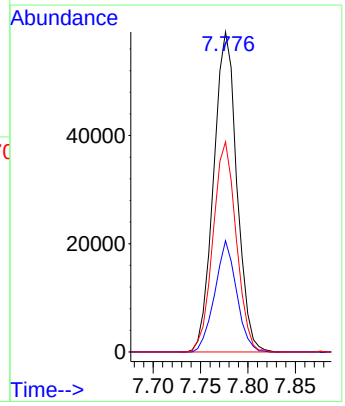


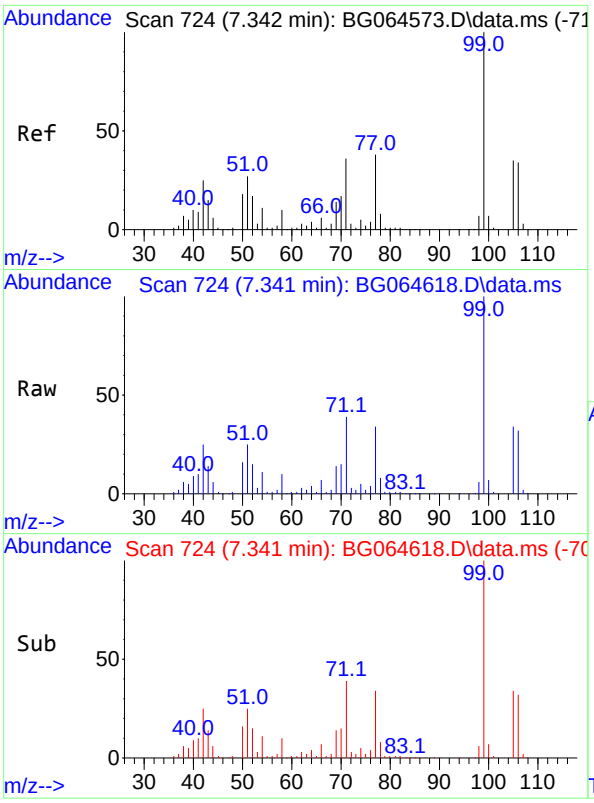


#8
2-Chlorophenol
Concen: 44.170 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:128 Resp: 100847

Ion	Ratio	Lower	Upper
128	100		
130	34.8	13.5	53.5
64	65.7	45.2	85.2



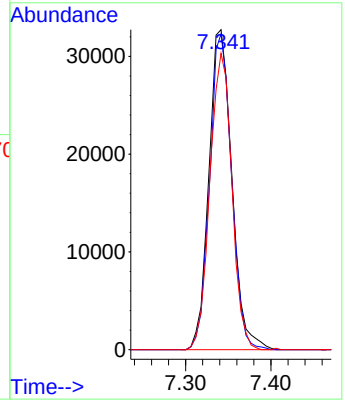


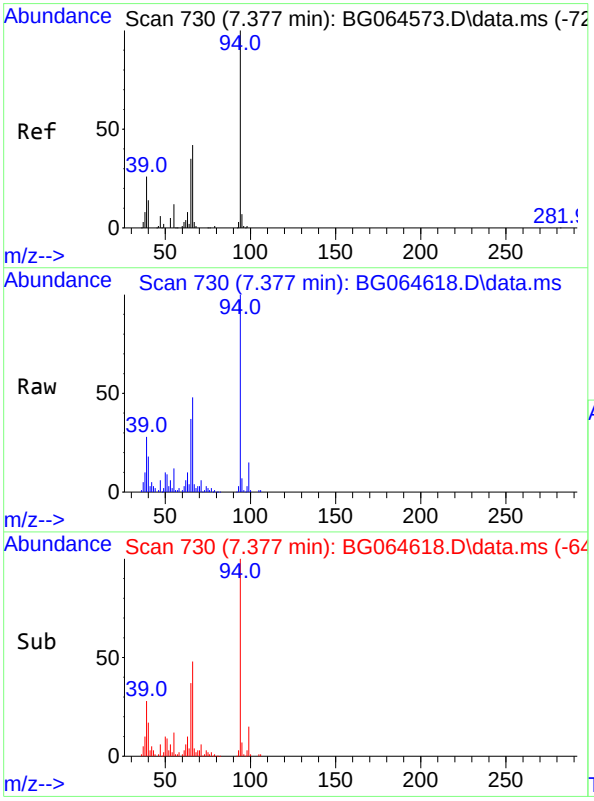
#9
Benzaldehyde
Concen: 37.558 ng
RT: 7.341 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 61374

Ion	Ratio	Lower	Upper
77	100		
105	98.7	72.9	112.9
106	92.6	70.8	110.8

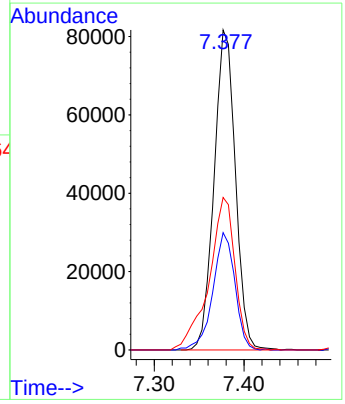


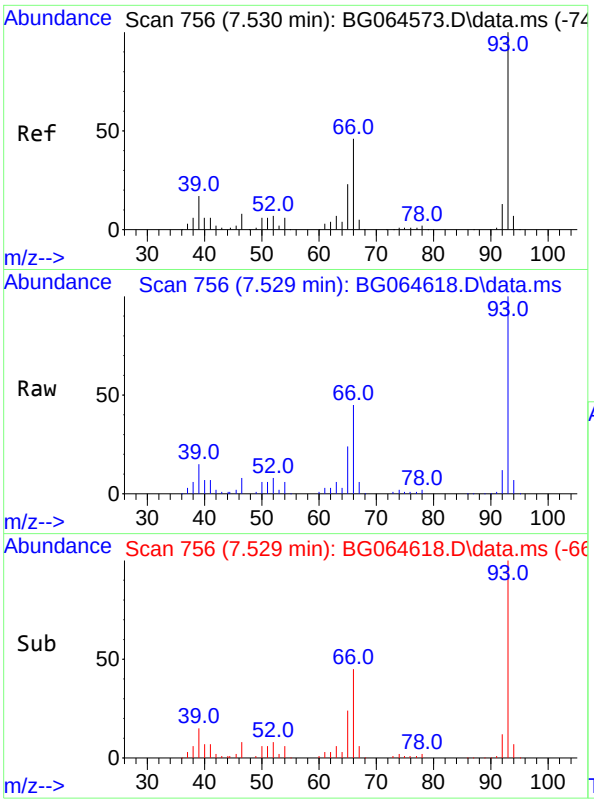


#10
Phenol
Concen: 40.664 ng
RT: 7.377 min Scan# 730
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion: 94 Resp: 134608

Ion	Ratio	Lower	Upper
94	100		
65	36.7	15.8	55.8
66	47.6	24.0	64.0



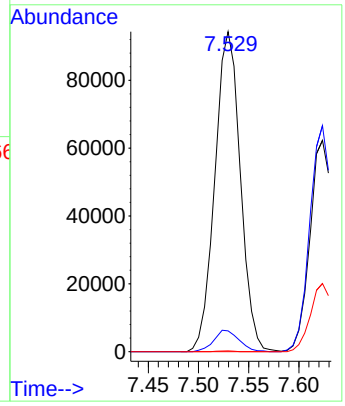


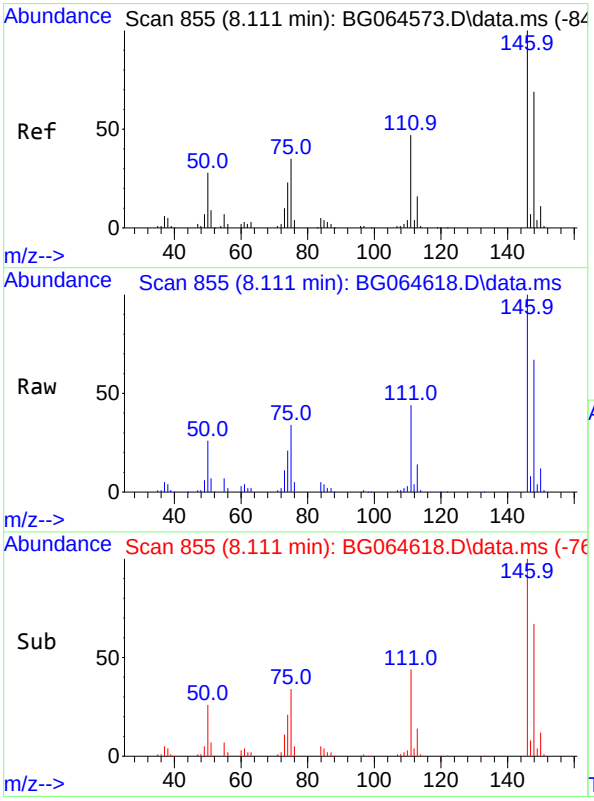
#11
bis(2-Chloroethyl)ether
Concen: 40.860 ng
RT: 7.529 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 166421

Ion	Ratio	Lower	Upper
93	100		
63	6.5	0.0	27.4
95	0.2	0.0	20.2

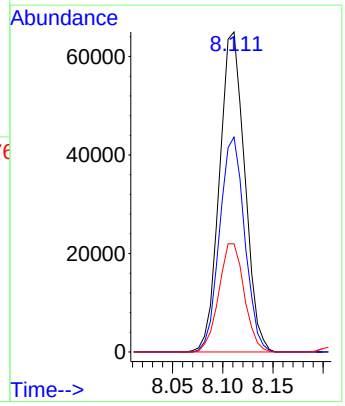


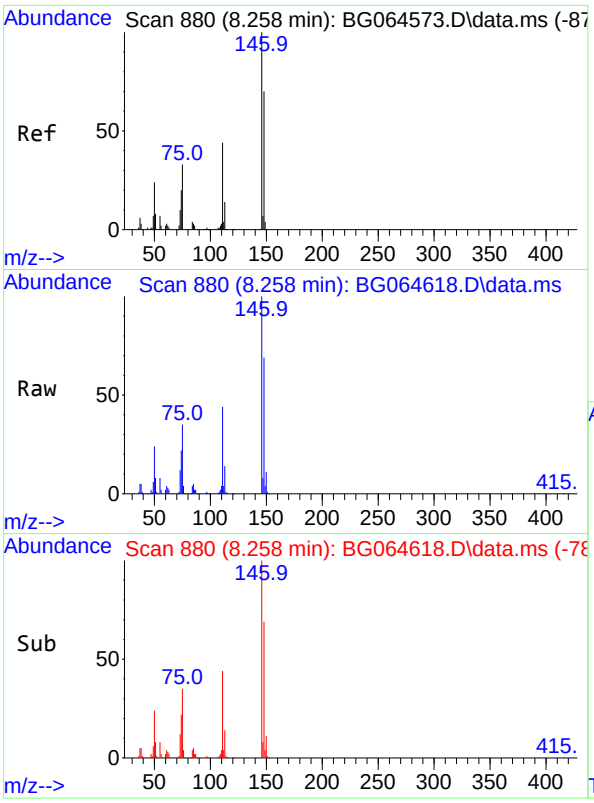


#12
1,3-Dichlorobenzene
Concen: 43.073 ng
RT: 8.111 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:146 Resp: 113188

Ion	Ratio	Lower	Upper
146	100		
148	67.1	55.3	82.9
75	33.8	28.2	42.2



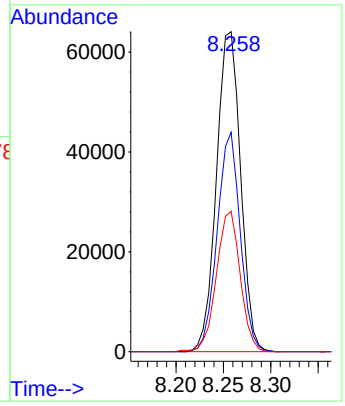


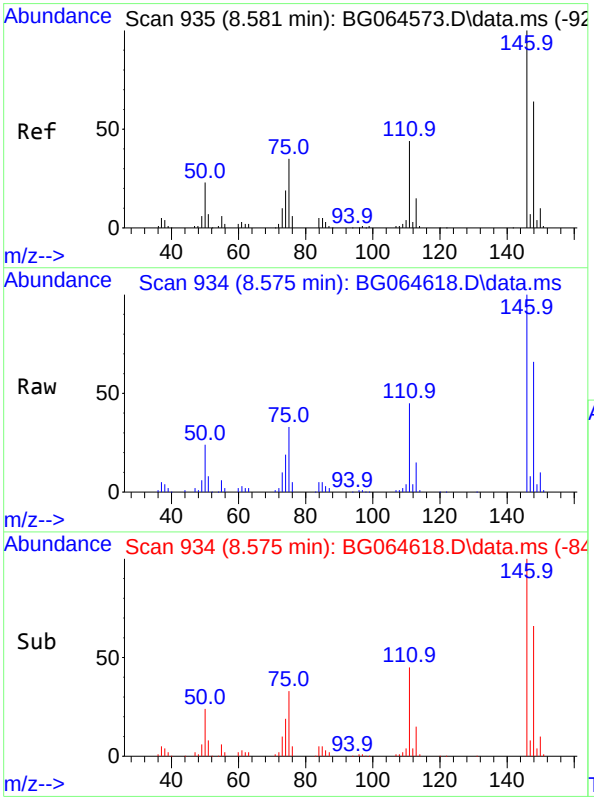
#13
1,4-Dichlorobenzene
Concen: 42.552 ng
RT: 8.258 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 113697

Ion	Ratio	Lower	Upper
146	100		
148	68.5	56.2	84.4
111	43.9	35.4	53.0

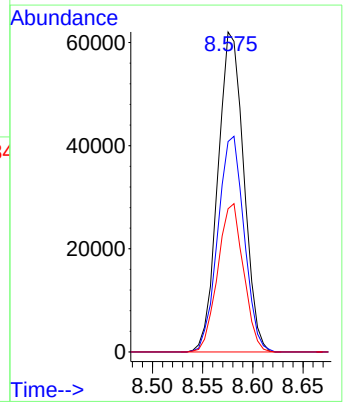


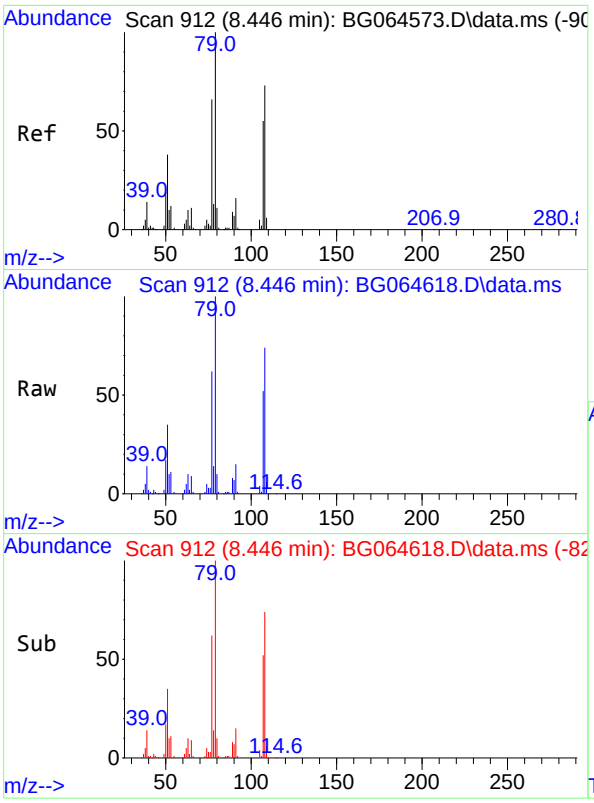


#14
1,2-Dichlorobenzene
Concen: 43.105 ng
RT: 8.575 min Scan# 934
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:146 Resp: 111091

Ion	Ratio	Lower	Upper
146	100		
148	65.8	51.5	77.3
111	44.8	35.0	52.6



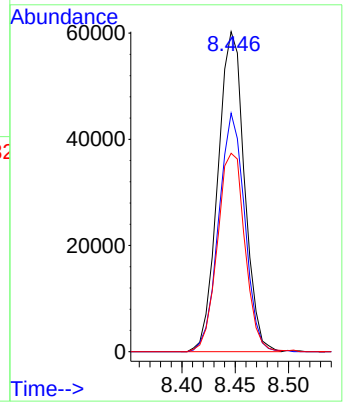


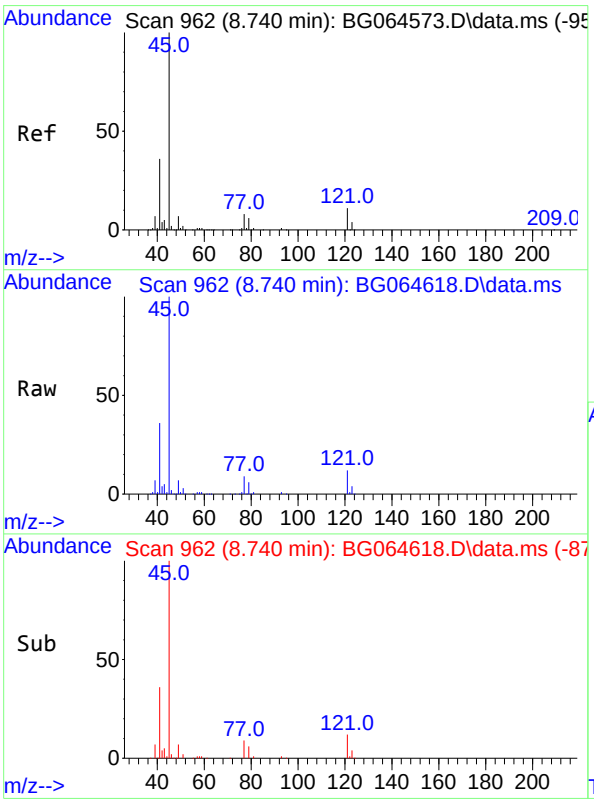
#15
Benzyl Alcohol
Concen: 42.201 ng
RT: 8.446 min Scan# 91
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 104162

Ion	Ratio	Lower	Upper
79	100		
108	74.5	58.1	87.1
77	62.0	52.8	79.2

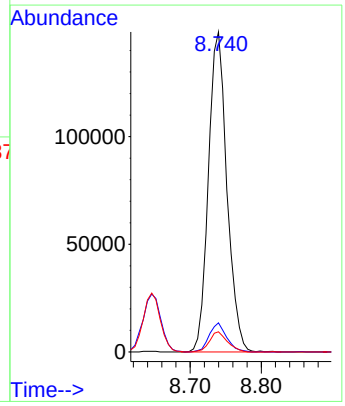


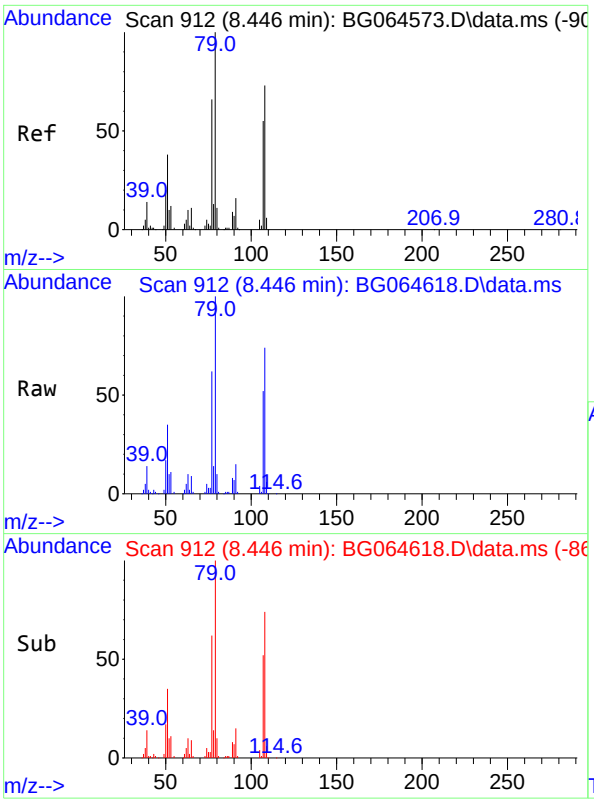


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.138 ng
RT: 8.740 min Scan# 962
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion: 45 Resp: 269007

Ion	Ratio	Lower	Upper
45	100		
77	9.1	0.0	28.5
79	6.3	0.0	25.6



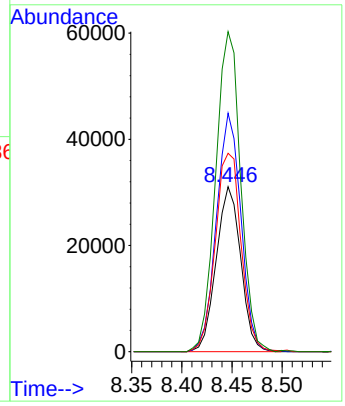


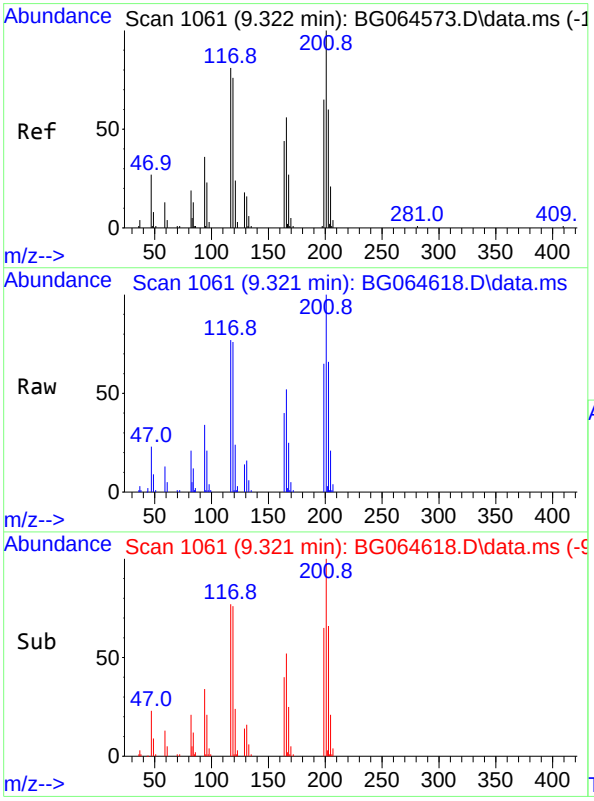
#17
2-Methylphenol
Concen: 42.752 ng
RT: 8.446 min Scan# 91
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 52746

Ion	Ratio	Lower	Upper
107	100		
108	144.5	106.4	159.6
77	120.3	96.7	145.1
79	194.0	146.6	219.8

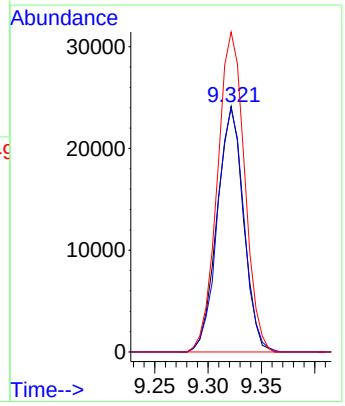


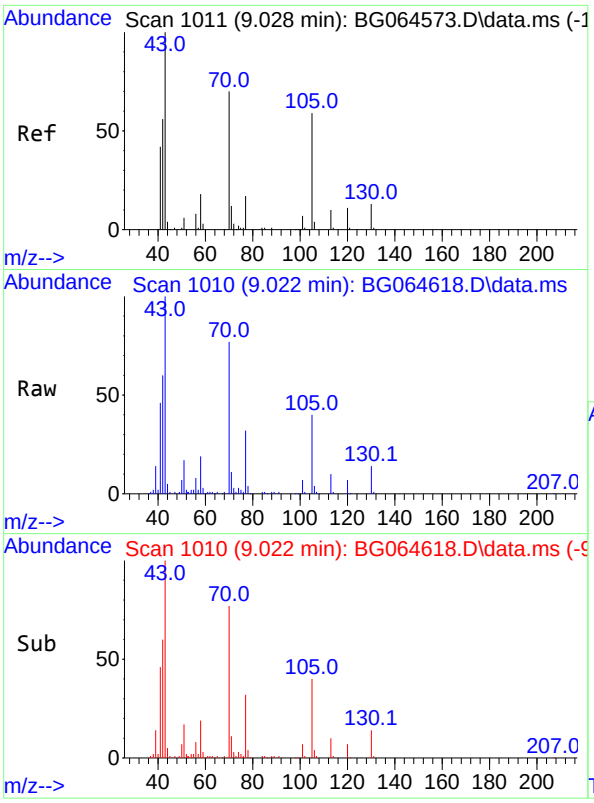


#18
Hexachloroethane
Concen: 44.282 ng
RT: 9.321 min Scan# 1061
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:117 Resp: 41522

Ion	Ratio	Lower	Upper
117	100		
119	99.2	75.4	113.2
201	130.3	99.2	148.8



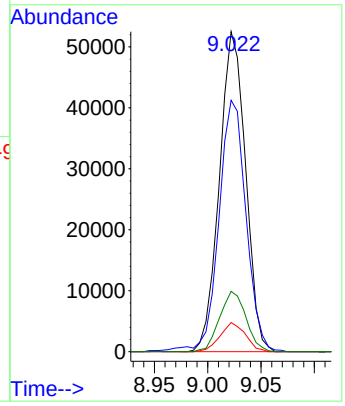


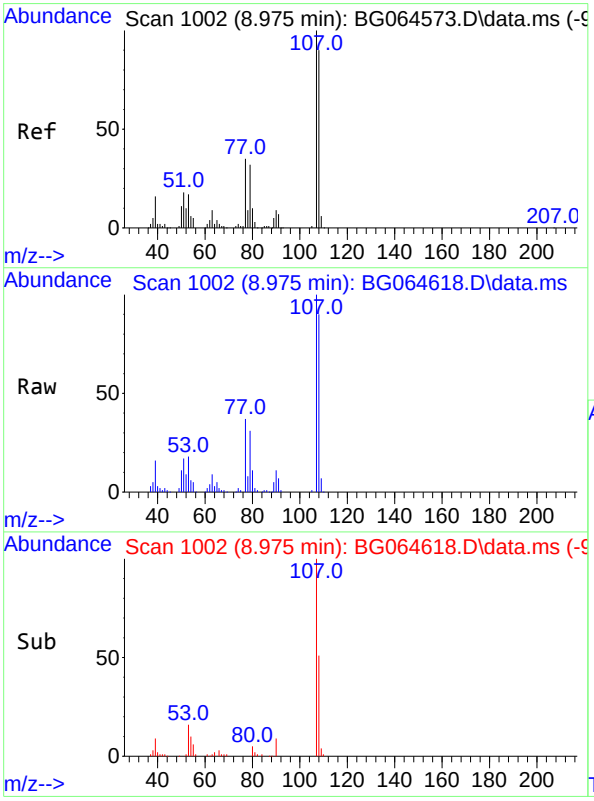
#19
n-Nitroso-di-n-propylamine
Concen: 43.275 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 89519

Ion	Ratio	Lower	Upper
70	100		
42	78.6	65.2	97.8
101	9.1	7.9	11.9
130	18.8	14.3	21.5

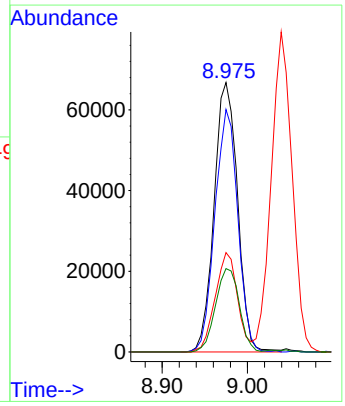


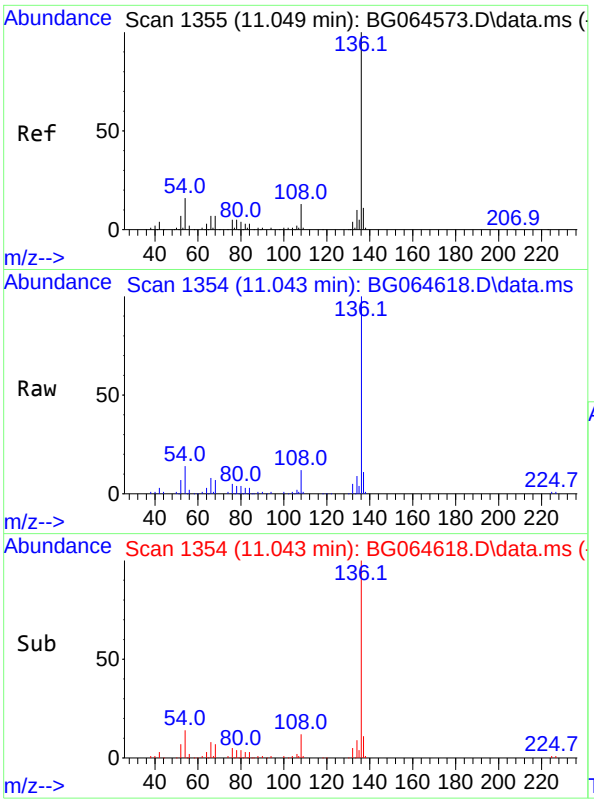


#20
3+4-Methylphenols
Concen: 41.279 ng
RT: 8.975 min Scan# 1002
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:107 Resp: 127586

Ion	Ratio	Lower	Upper
107	100		
108	90.0	70.3	110.3
77	36.9	14.6	54.6
79	30.9	11.7	51.7



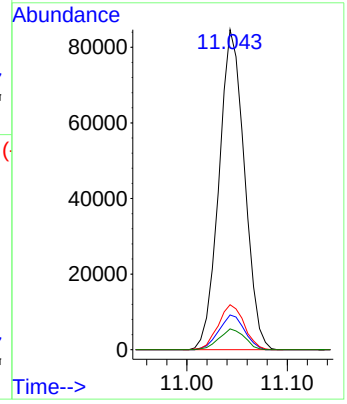


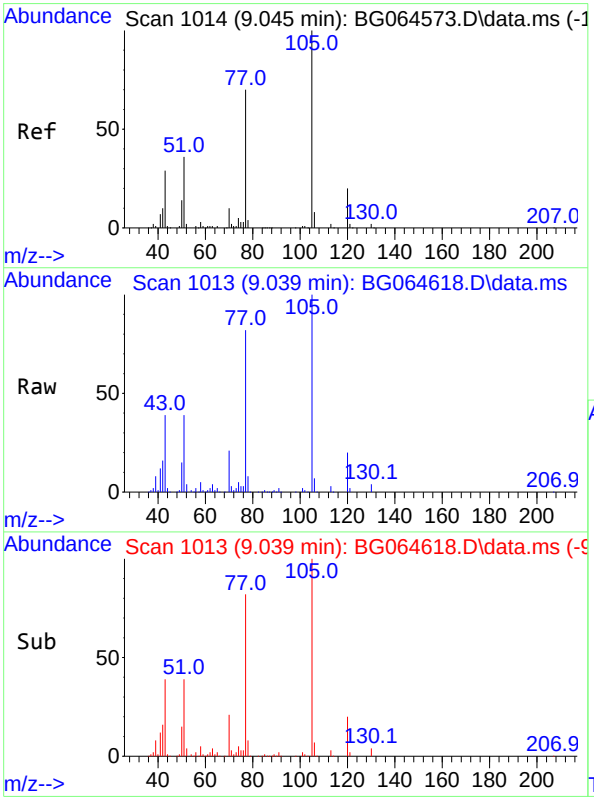
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 148961

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	14.0	12.6	19.0
68	6.5	5.7	8.5

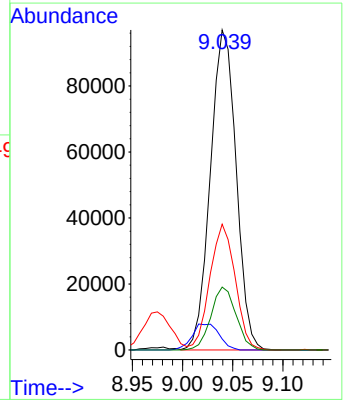


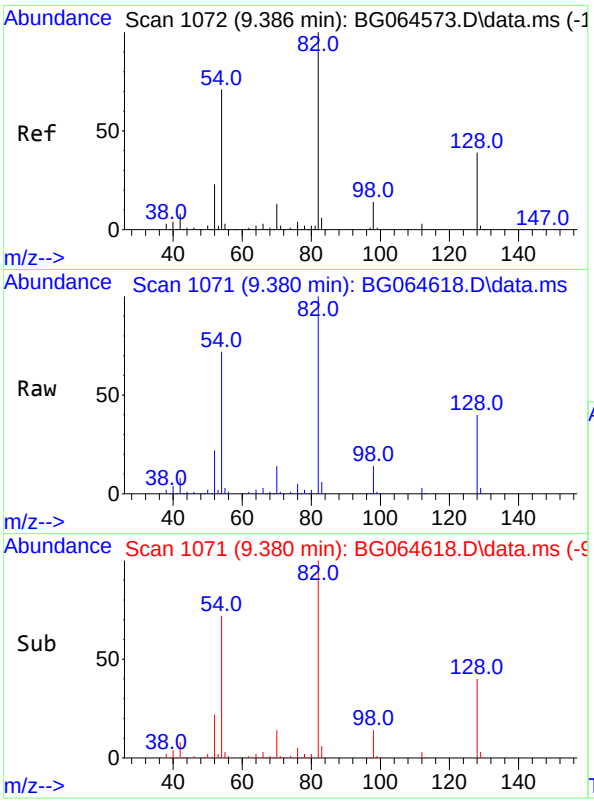


#22
Acetophenone
Concen: 42.523 ng
RT: 9.039 min Scan# 1013
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:105 Resp: 173153

Ion	Ratio	Lower	Upper
105	100		
71	3.5	1.5	2.3#
51	39.3	33.7	50.5
120	19.6	16.1	24.1



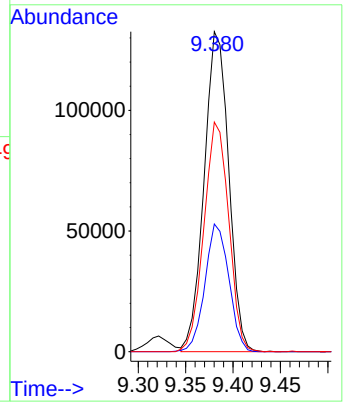


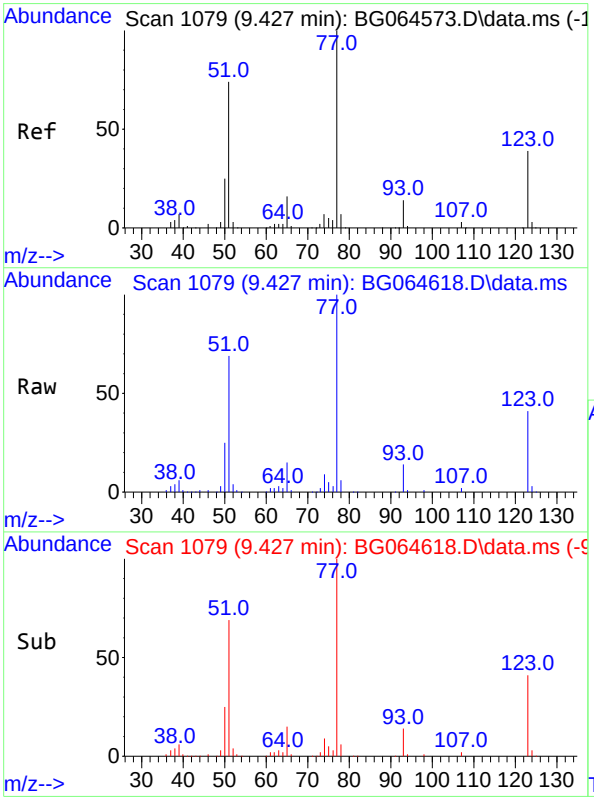
#23
Nitrobenzene-d5
Concen: 96.333 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 238914

Ion	Ratio	Lower	Upper
82	100		
128	39.9	31.3	46.9
54	71.7	56.6	84.8

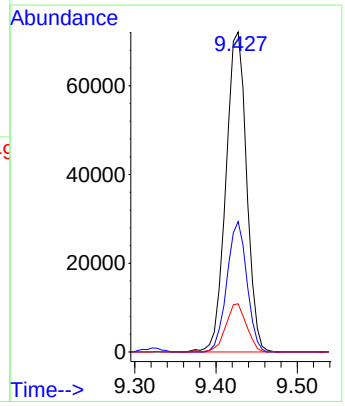


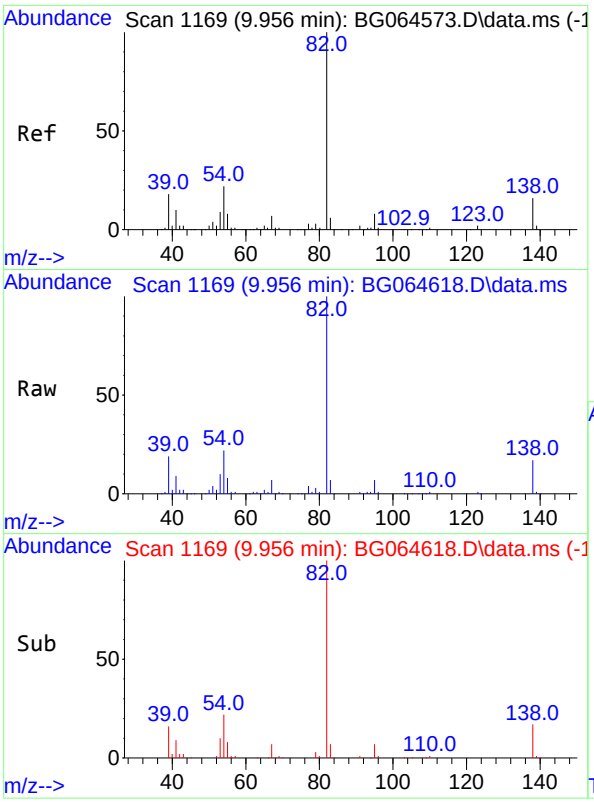


#24
Nitrobenzene
Concen: 47.355 ng
RT: 9.427 min Scan# 1079
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion: 77 Resp: 127739

Ion	Ratio	Lower	Upper
77	100		
123	40.7	31.0	46.6
65	15.0	12.7	19.1



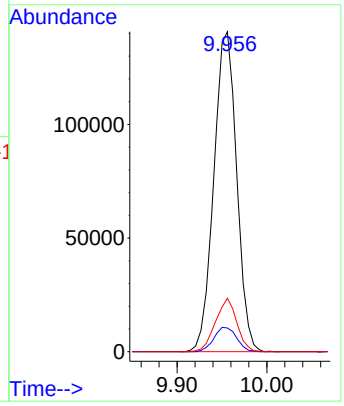


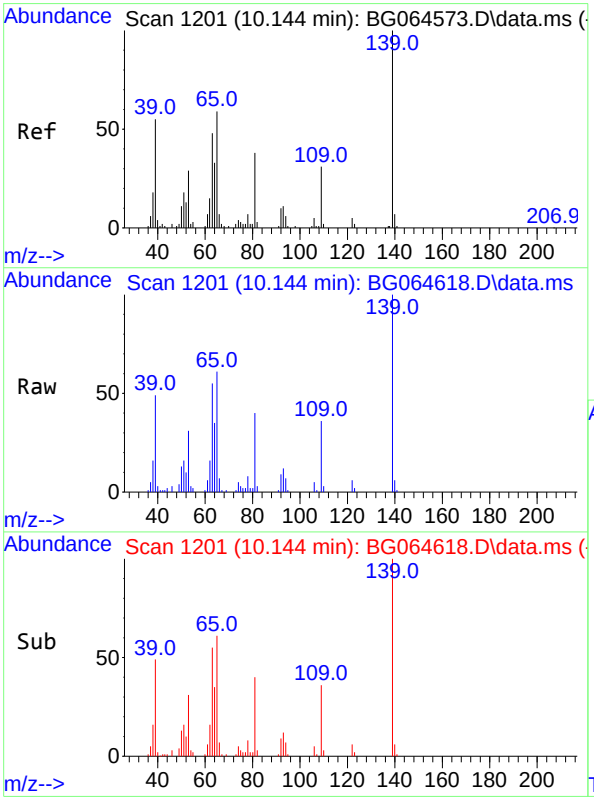
#25
Isophorone
Concen: 41.695 ng
RT: 9.956 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 248133

Ion	Ratio	Lower	Upper
82	100		
95	7.4	6.1	9.1
138	16.7	13.0	19.4

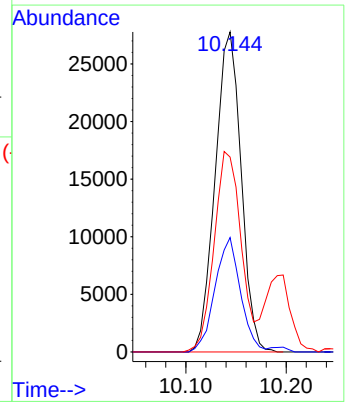


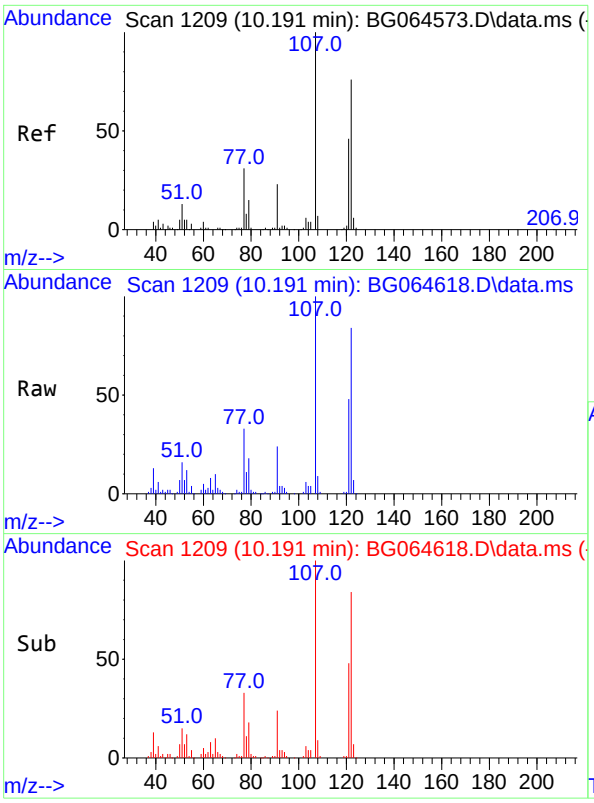


#26
2-Nitrophenol
Concen: 47.979 ng
RT: 10.144 min Scan# 1201
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:139 Resp: 49935

Ion	Ratio	Lower	Upper
139	100		
109	35.8	24.6	37.0
65	60.9	47.5	71.3



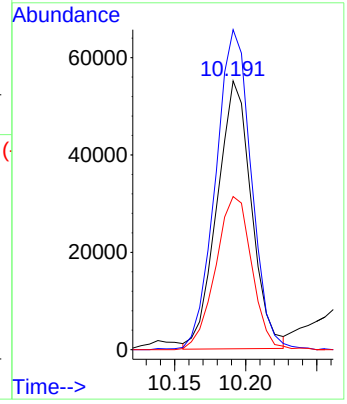


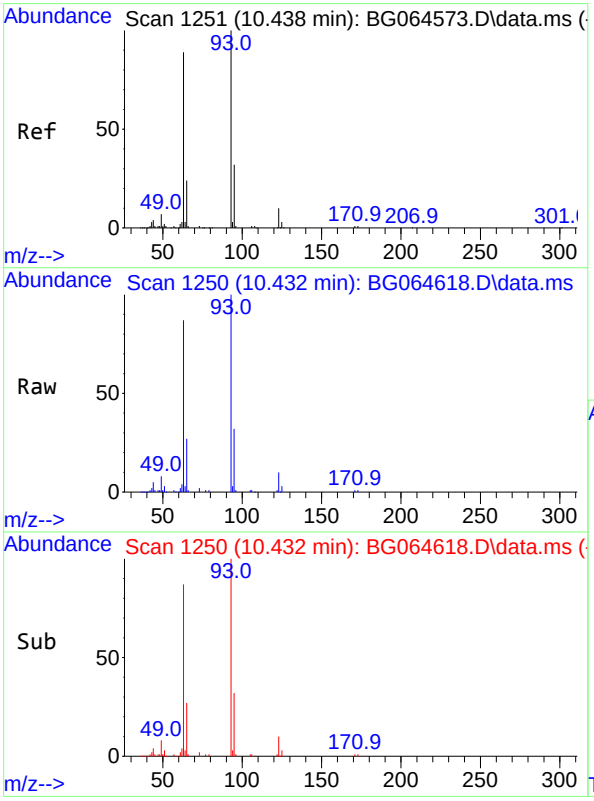
#27
2,4-Dimethylphenol
Concen: 41.002 ng
RT: 10.191 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 92582

Ion	Ratio	Lower	Upper
122	100		
107	119.1	103.0	154.4
121	57.0	47.8	71.8

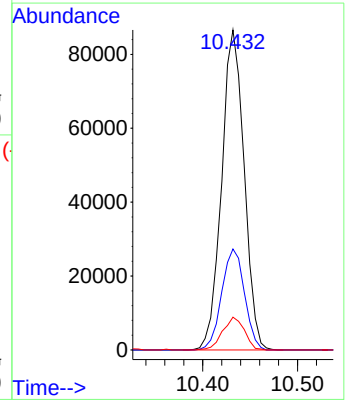


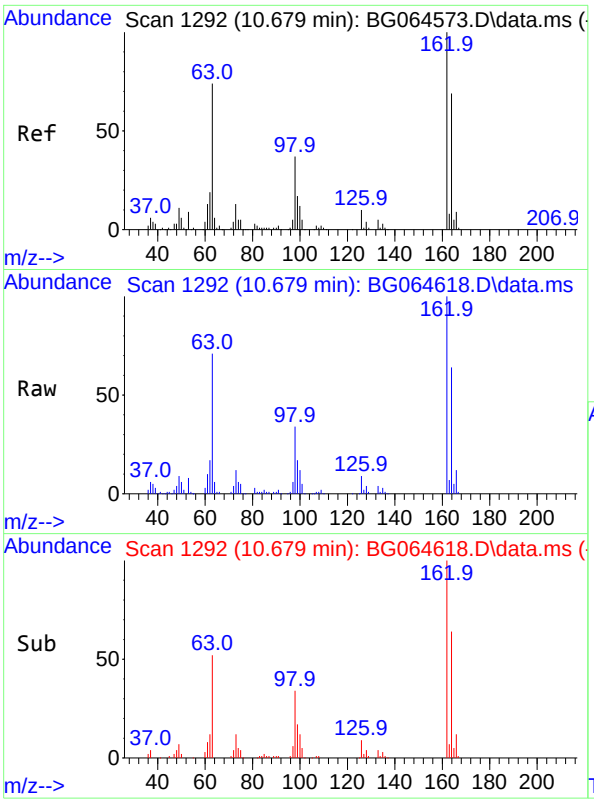


#28
bis(2-Chloroethoxy)methane
Concen: 42.170 ng
RT: 10.432 min Scan# 1250
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion: 93 Resp: 142887

Ion	Ratio	Lower	Upper
93	100		
95	31.6	25.4	38.2
123	10.2	8.4	12.6



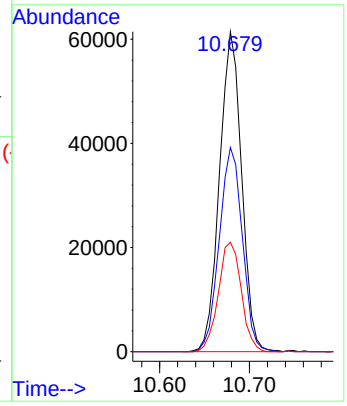


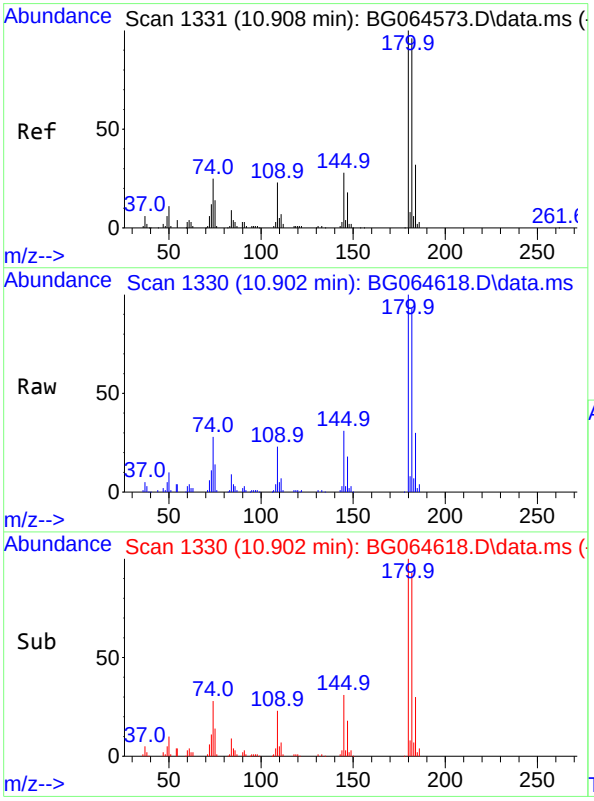
#29
2,4-Dichlorophenol
Concen: 44.058 ng
RT: 10.679 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 104960

Ion	Ratio	Lower	Upper
162	100		
164	63.8	48.7	88.7
98	34.2	16.9	56.9

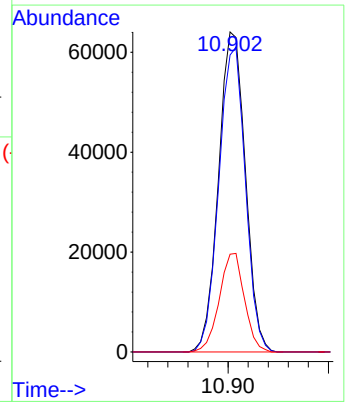


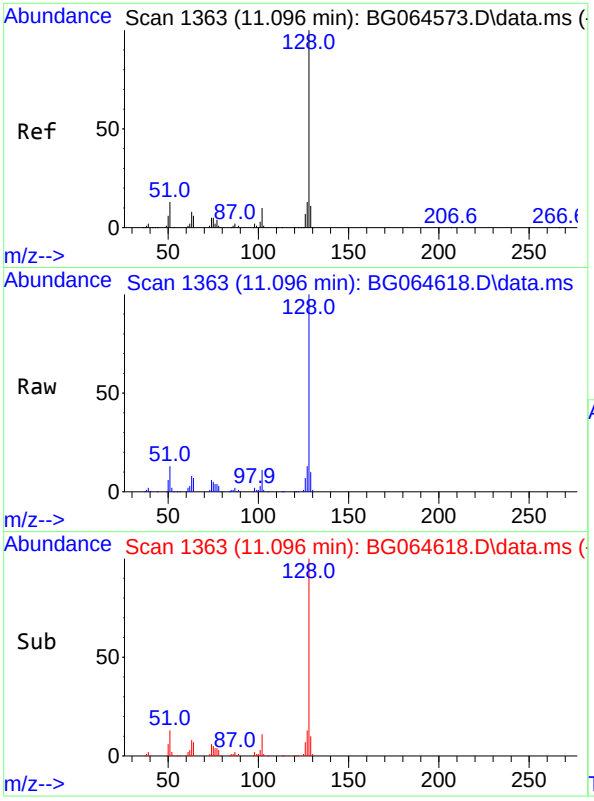


#30
1,2,4-Trichlorobenzene
Concen: 43.927 ng
RT: 10.902 min Scan# 1330
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:180 Resp: 118900

Ion	Ratio	Lower	Upper
180	100		
182	92.8	76.9	115.3
145	30.5	22.1	33.1



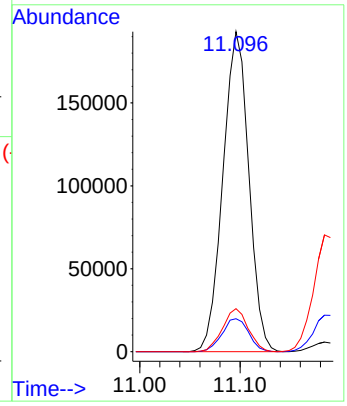


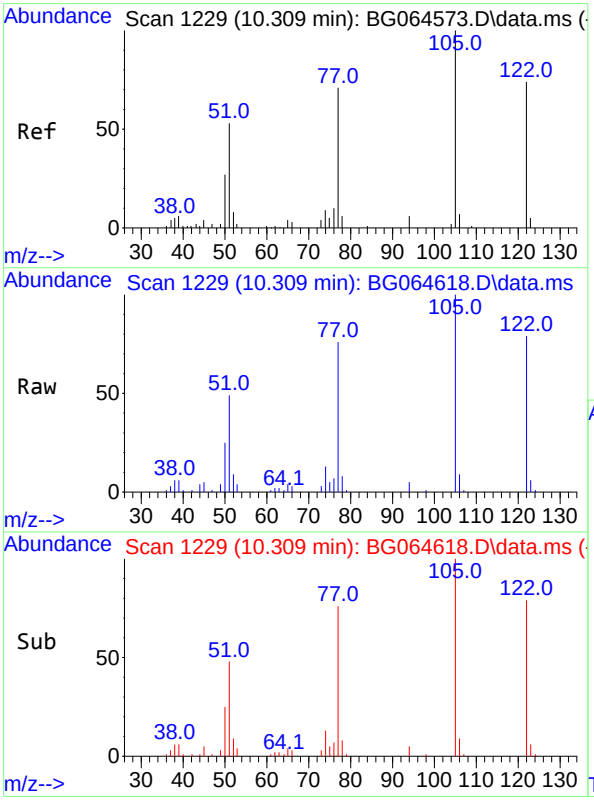
#31
Naphthalene
Concen: 41.819 ng
RT: 11.096 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 345379

Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.8	13.2
127	13.4	10.6	15.8

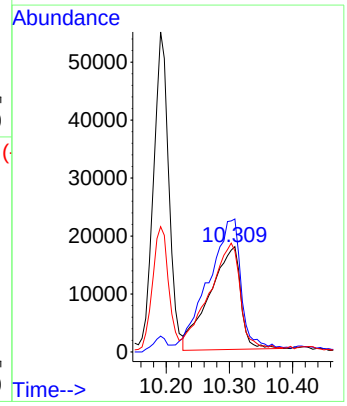


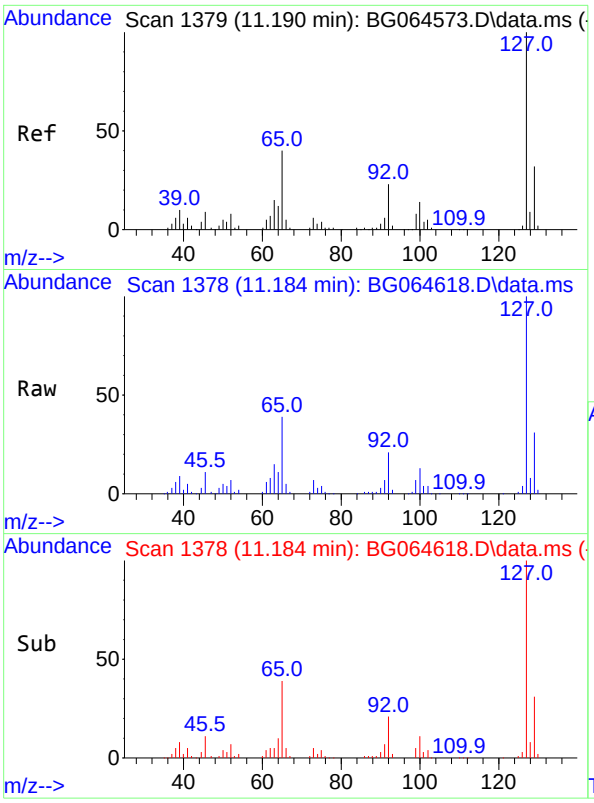


#32
Benzoic acid
Concen: 38.781 ng
RT: 10.309 min Scan# 1229
Delta R.T. -0.033 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:122 Resp: 60590

Ion	Ratio	Lower	Upper
122	100		
105	126.4	104.2	144.2
77	96.1	70.2	110.2



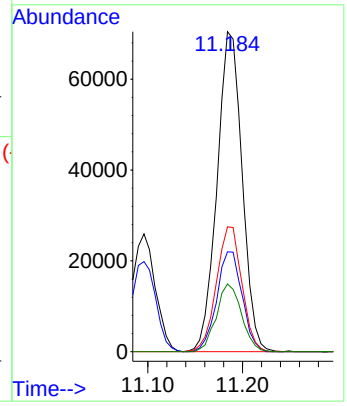


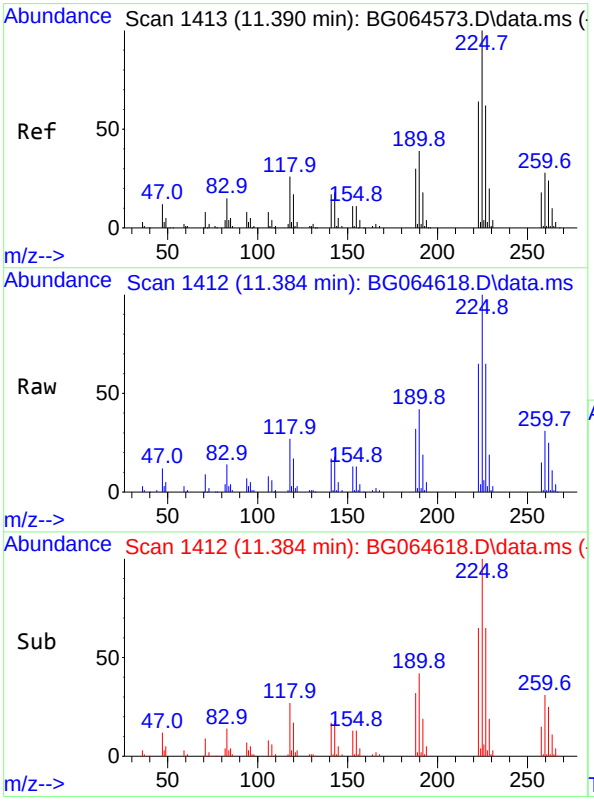
#33
4-Chloroaniline
Concen: 40.373 ng
RT: 11.184 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 129600

Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.5	38.3
65	39.0	32.2	48.4
92	21.2	18.2	27.2

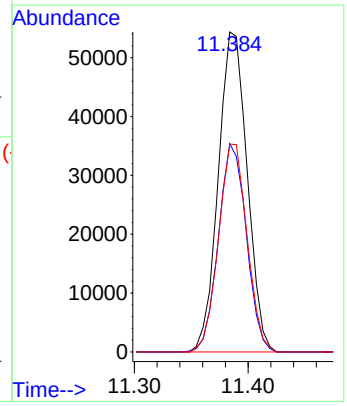


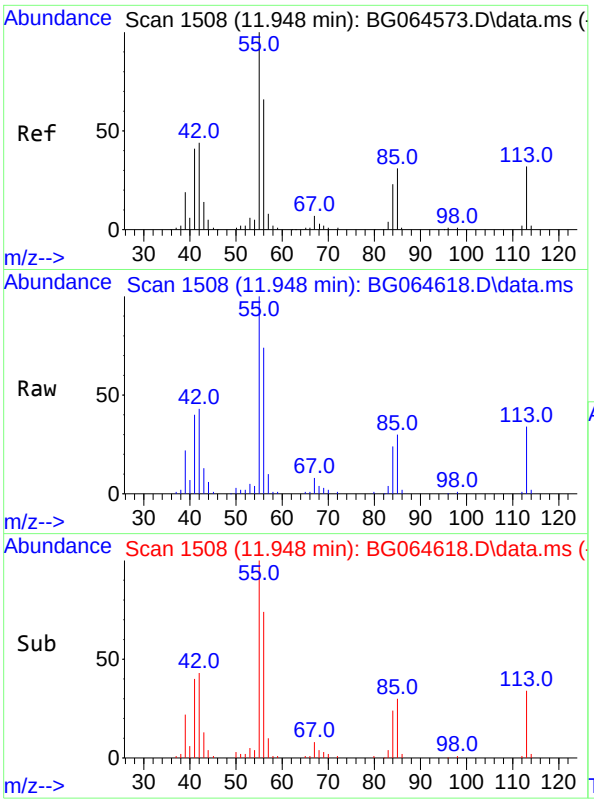


#34
Hexachlorobutadiene
Concen: 45.306 ng
RT: 11.384 min Scan# 1412
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:225 Resp: 95906

Ion	Ratio	Lower	Upper
225	100		
223	61.5	48.8	73.2
227	64.3	49.5	74.3



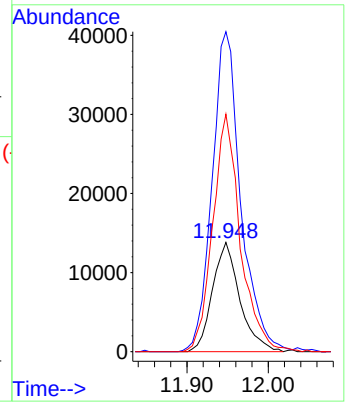


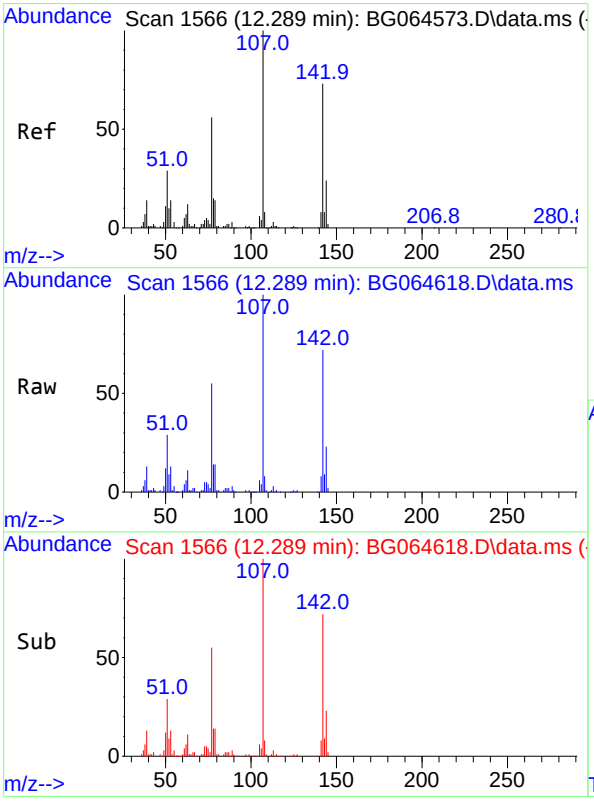
#35
Caprolactam
Concen: 35.362 ng
RT: 11.948 min Scan# 1
Delta R.T. -0.027 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 32311

Ion	Ratio	Lower	Upper
113	100		
55	292.9	290.1	330.1
56	217.3	183.8	223.8

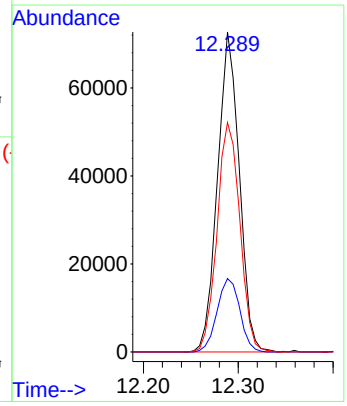


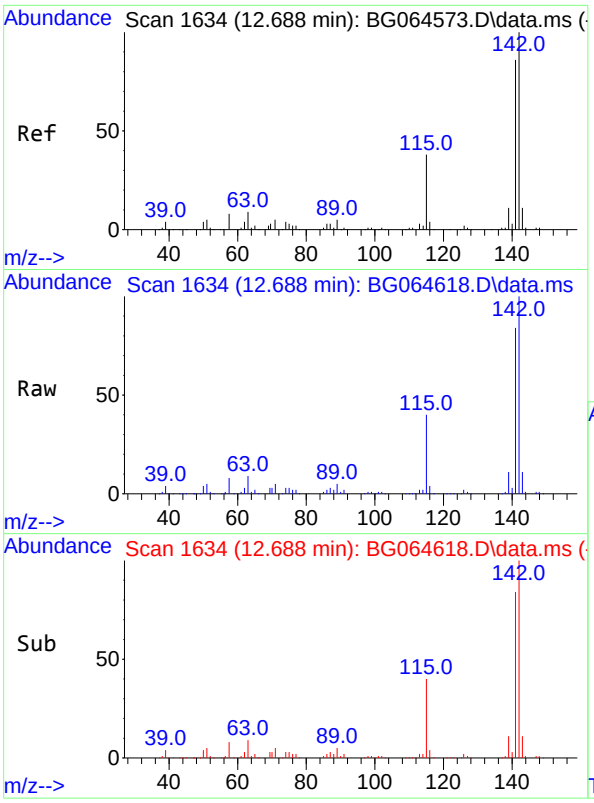


#36
4-Chloro-3-methylphenol
Concen: 40.462 ng
RT: 12.289 min Scan# 1566
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:107 Resp: 115865

Ion	Ratio	Lower	Upper
107	100		
144	23.0	19.1	28.7
142	71.7	58.6	87.8



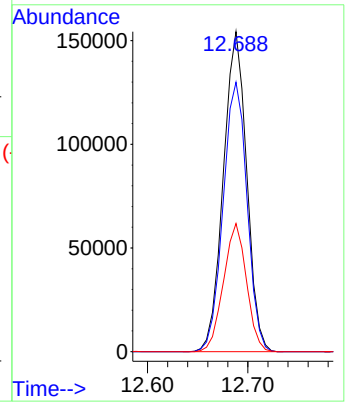


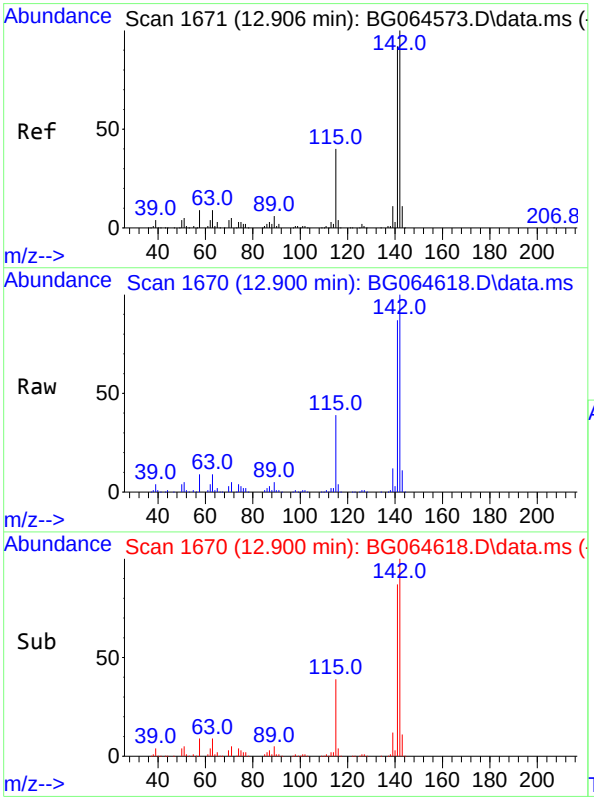
#37
2-Methylnaphthalene
Concen: 41.085 ng
RT: 12.688 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 249124

Ion	Ratio	Lower	Upper
142	100		
141	84.2	68.9	103.3
115	40.0	30.6	46.0

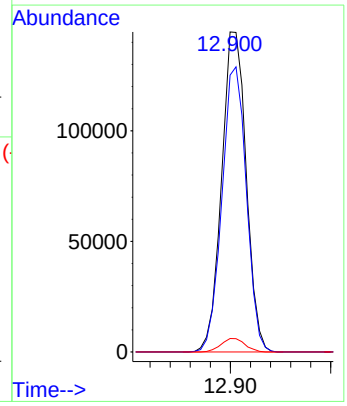


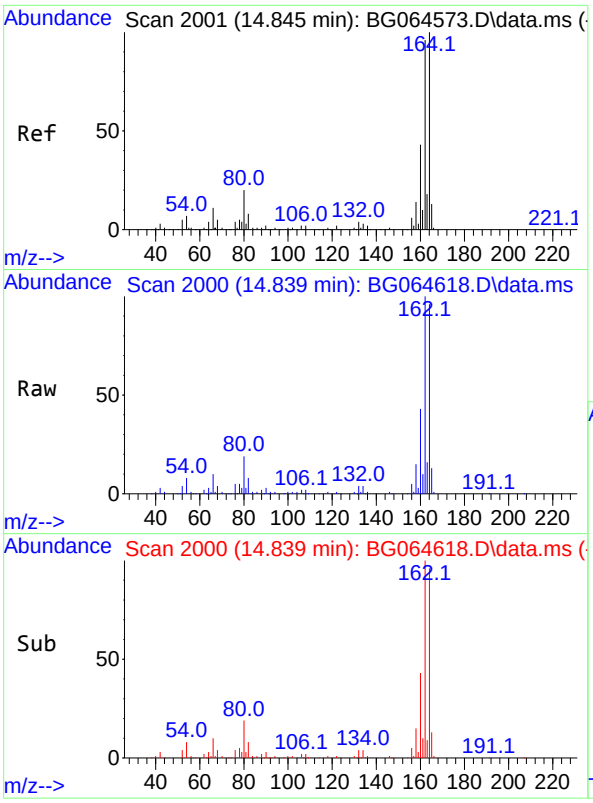


#38
1-Methylnaphthalene
Concen: 41.190 ng
RT: 12.900 min Scan# 1670
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:142 Resp: 245754

Ion	Ratio	Lower	Upper
142	100		
141	86.5	73.3	109.9
116	4.2	3.1	4.7



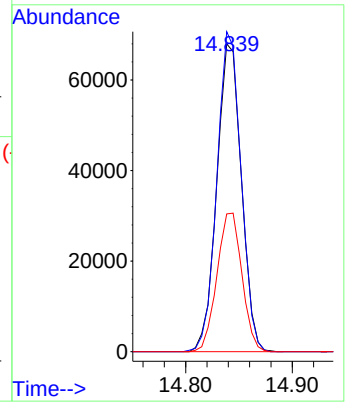


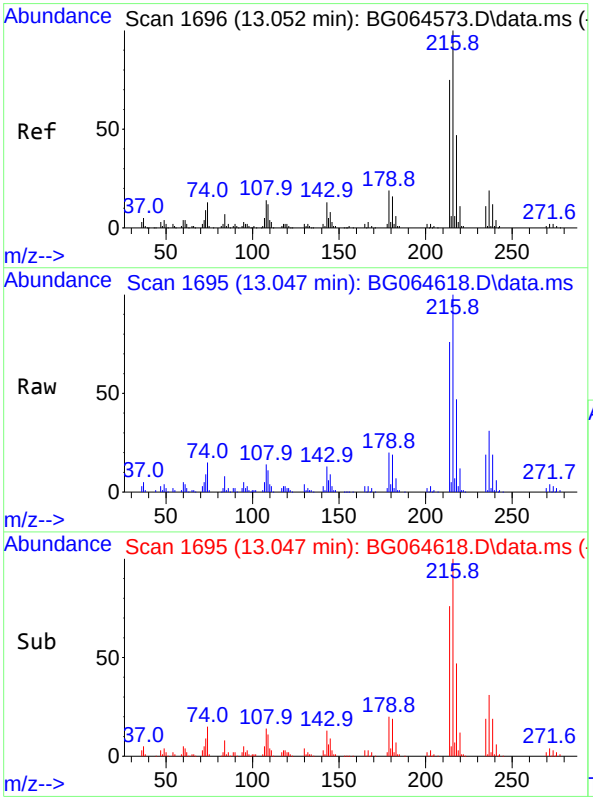
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 108882

Ion	Ratio	Lower	Upper
164	100		
162	104.0	77.0	115.6
160	44.7	34.4	51.6

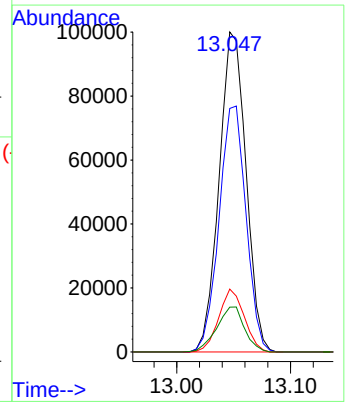


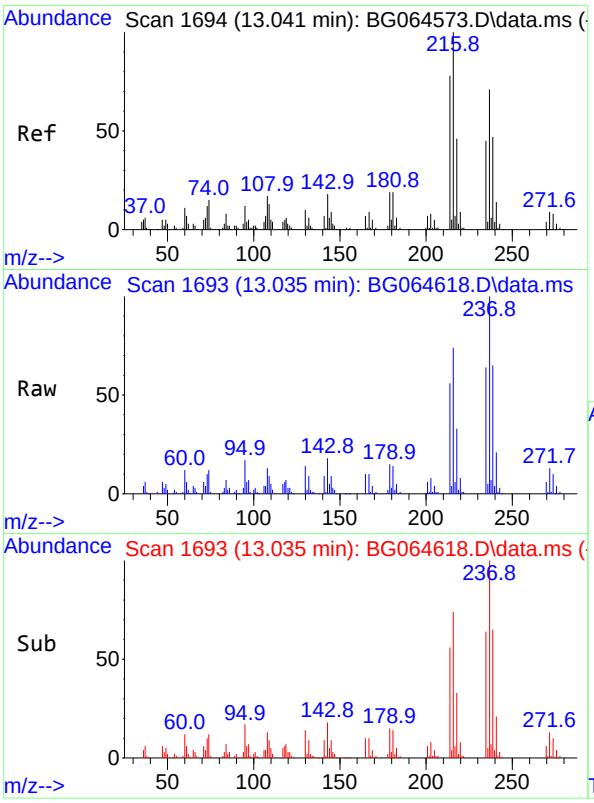


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.962 ng
RT: 13.047 min Scan# 1695
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:216 Resp: 164299

Ion	Ratio	Lower	Upper
216	100		
214	77.0	61.4	92.2
179	18.6	15.4	23.0
108	14.6	11.8	17.6



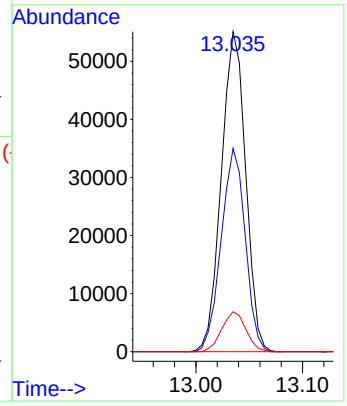


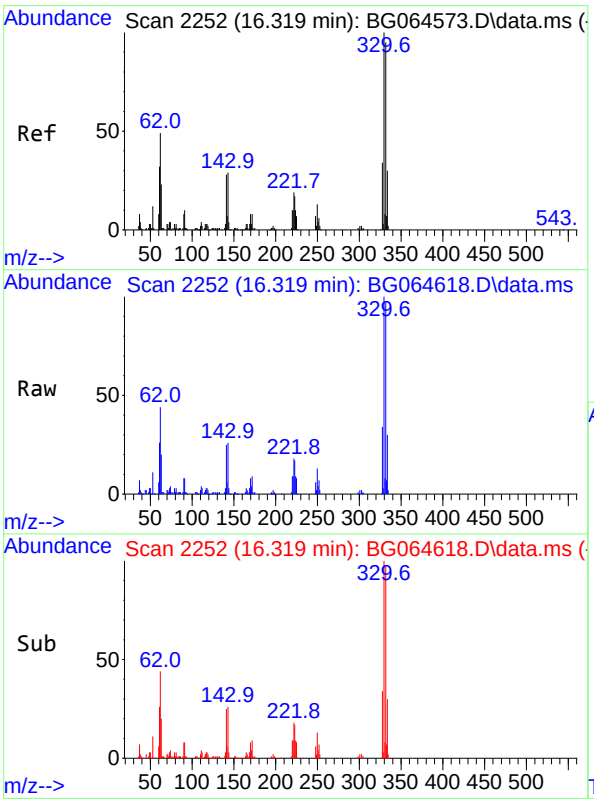
#41
Hexachlorocyclopentadiene
Concen: 52.985 ng
RT: 13.035 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 87148

Ion	Ratio	Lower	Upper
237	100		
235	63.5	44.1	84.1
272	12.5	0.0	32.4

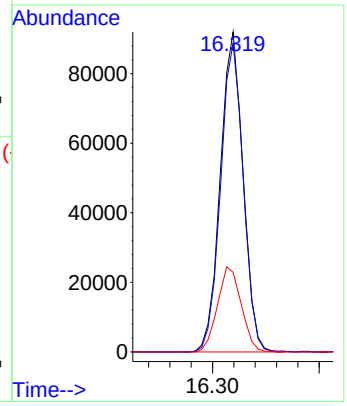


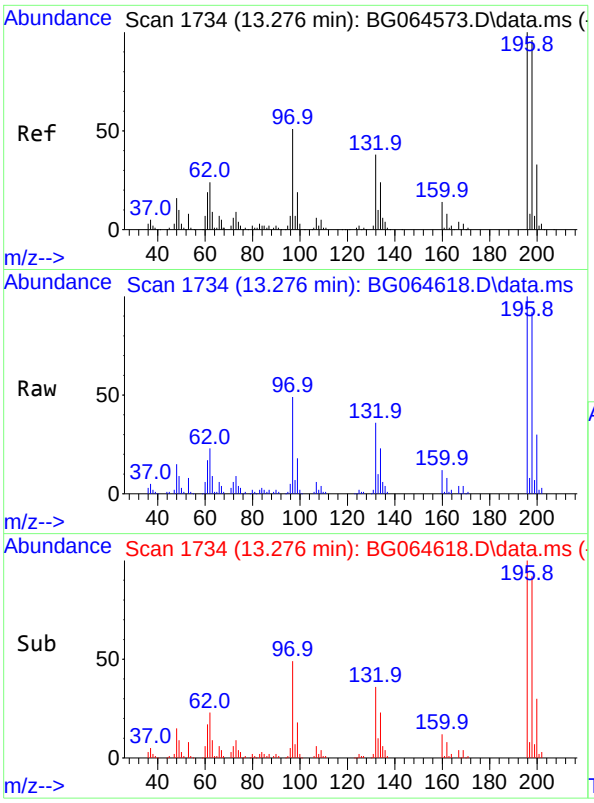


#42
2,4,6-Tribromophenol
Concen: 86.403 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:330 Resp: 135782

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.0	117.0
141	27.8	21.8	32.6



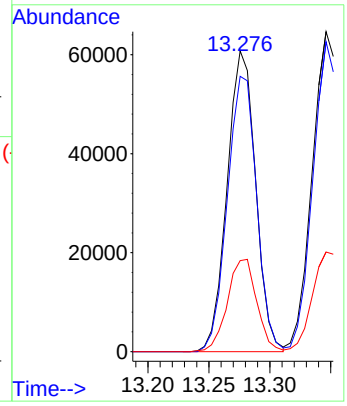


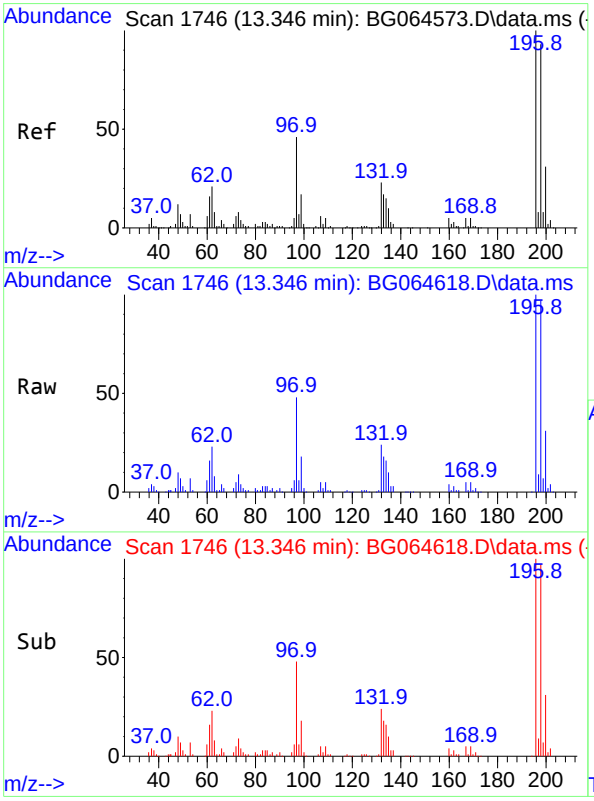
#43
2,4,6-Trichlorophenol
Concen: 47.391 ng
RT: 13.276 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 99057

Ion	Ratio	Lower	Upper
196	100		
198	91.5	76.6	115.0
200	30.3	26.0	39.0

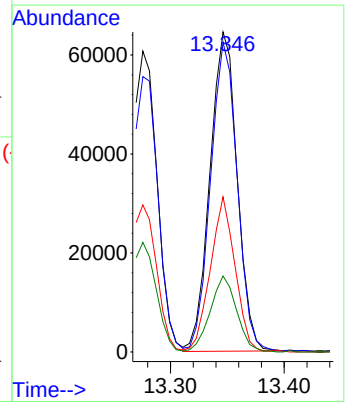


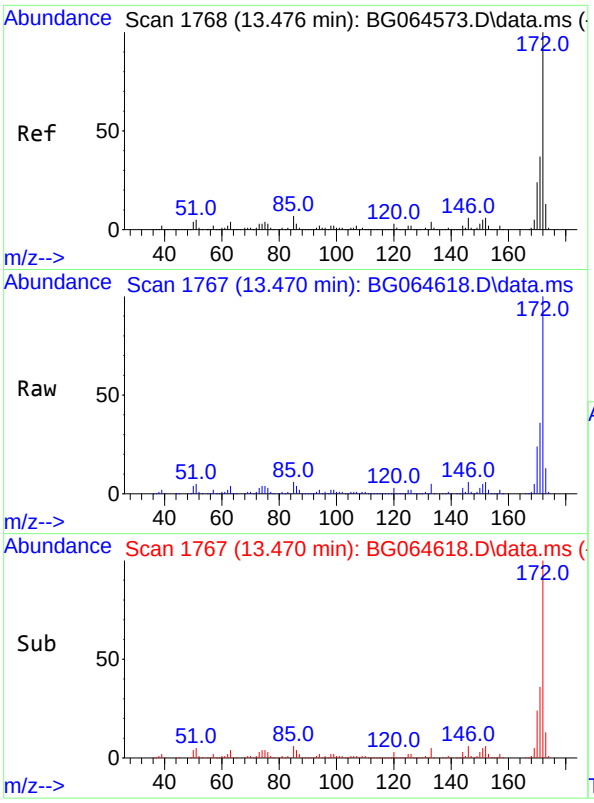


#44
2,4,5-Trichlorophenol
Concen: 44.415 ng
RT: 13.346 min Scan# 1746
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:196 Resp: 107132

Ion	Ratio	Lower	Upper
196	100		
198	96.8	74.2	111.4
97	48.4	37.0	55.6
132	23.8	18.5	27.7



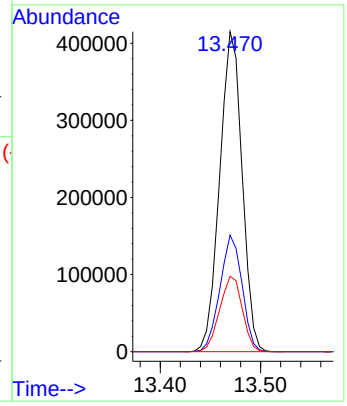


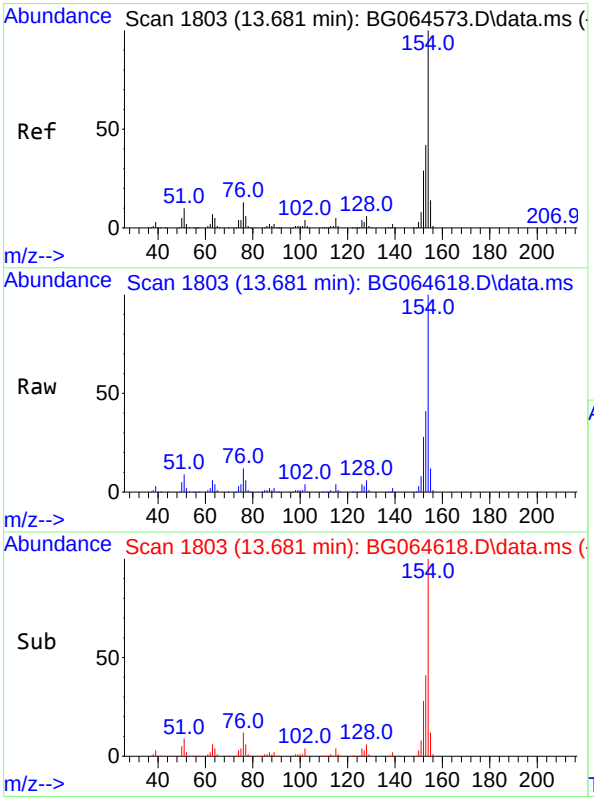
#45
2-Fluorobiphenyl
Concen: 89.318 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 641606

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.4	44.0
170	23.5	19.1	28.7

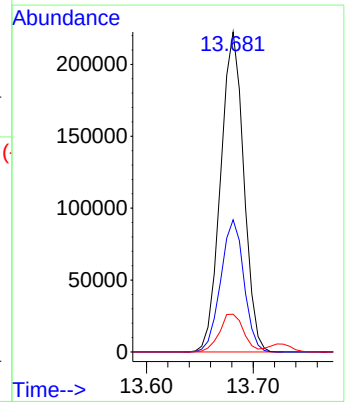


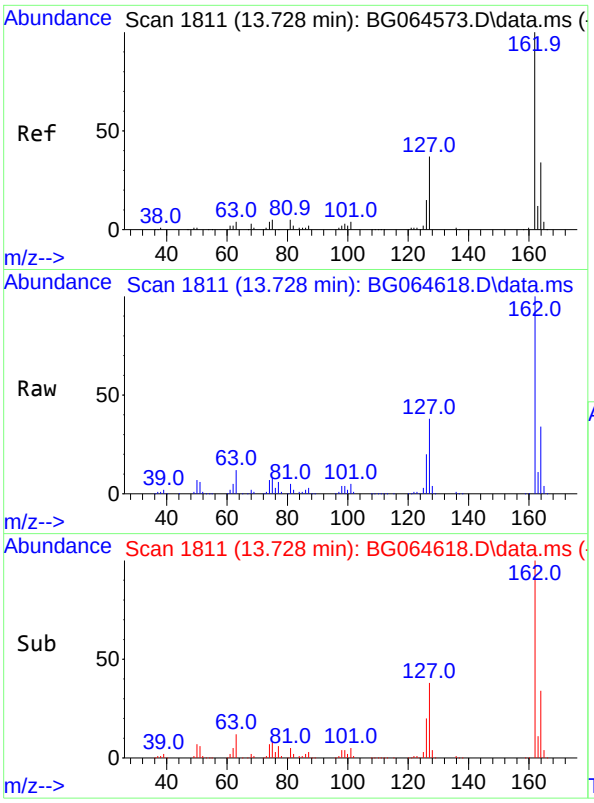


#46
1,1'-Biphenyl
Concen: 43.180 ng
RT: 13.681 min Scan# 1803
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:154 Resp: 334243

Ion	Ratio	Lower	Upper
154	100		
153	41.3	22.4	62.4
76	11.8	0.0	33.5



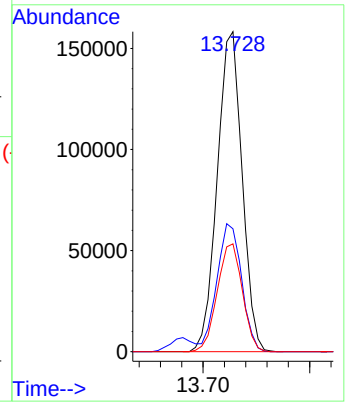


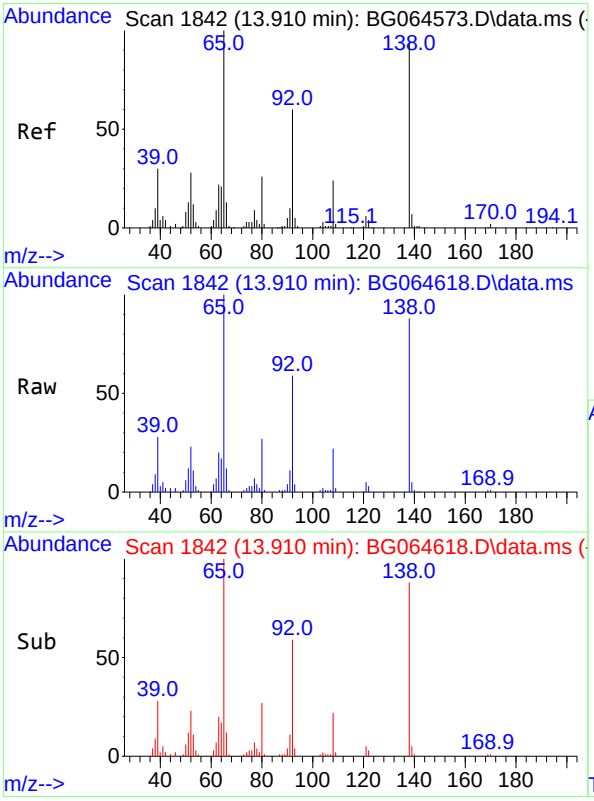
#47
2-Chloronaphthalene
Concen: 43.804 ng
RT: 13.728 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 255946

Ion	Ratio	Lower	Upper
162	100		
127	38.4	32.2	48.2
164	33.7	27.5	41.3

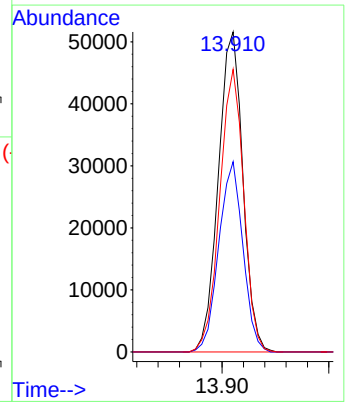


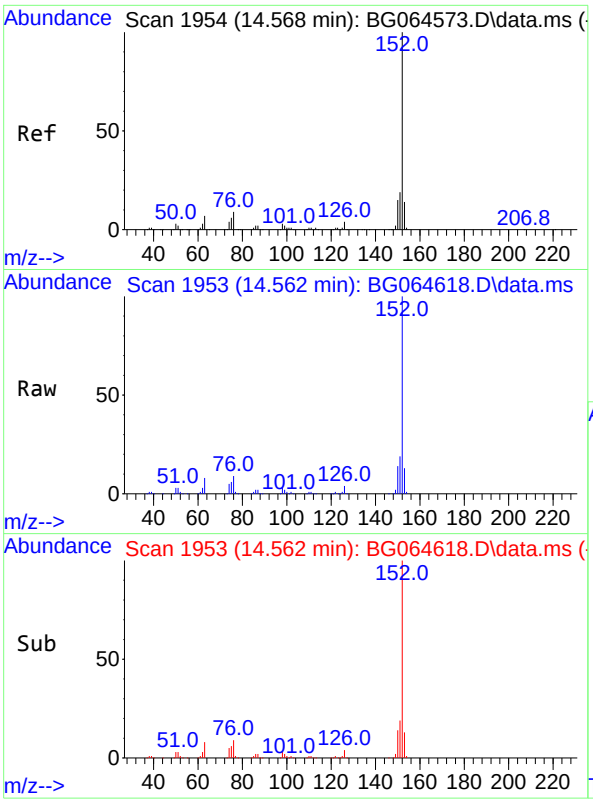


#48
2-Nitroaniline
Concen: 42.351 ng
RT: 13.910 min Scan# 1842
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion: 65 Resp: 82275

Ion	Ratio	Lower	Upper
65	100		
92	59.5	48.3	72.5
138	88.3	74.9	112.3



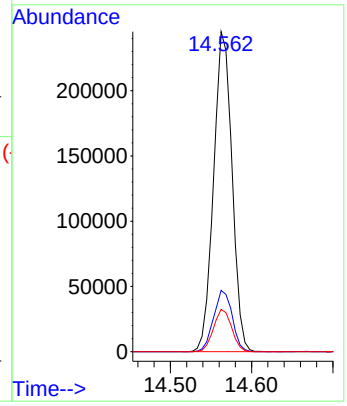


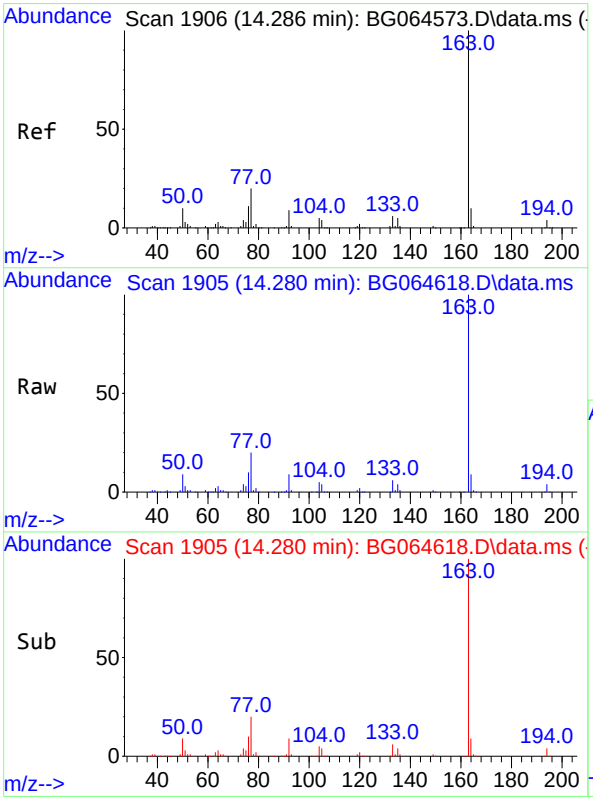
#49
Acenaphthylene
Concen: 41.830 ng
RT: 14.562 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 385513

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	13.2	11.0	16.4

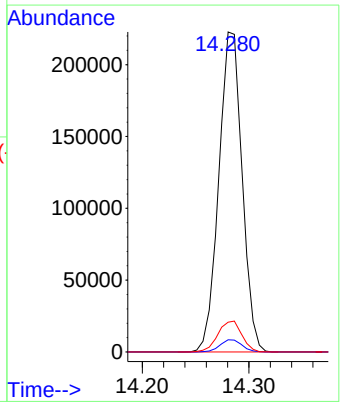


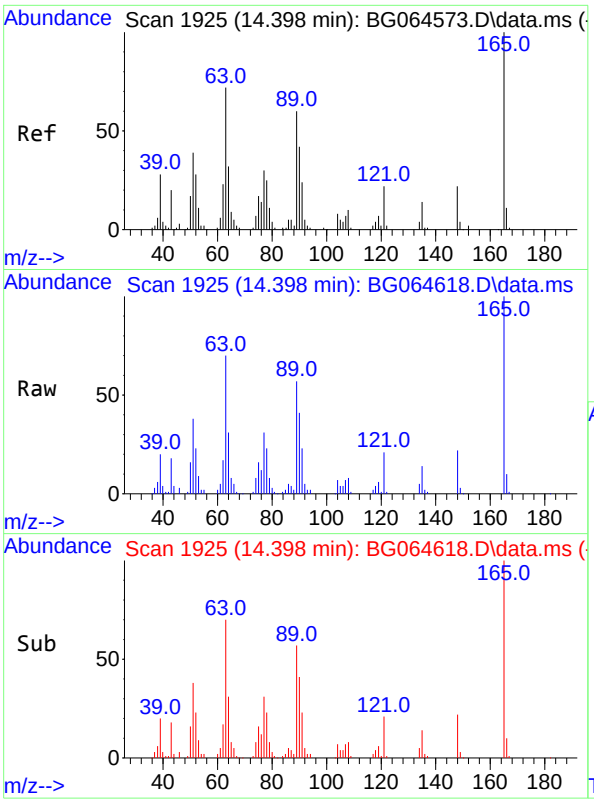


#50
Dimethylphthalate
Concen: 40.572 ng
RT: 14.280 min Scan# 1905
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:163 Resp: 338032

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	9.3	7.7	11.5



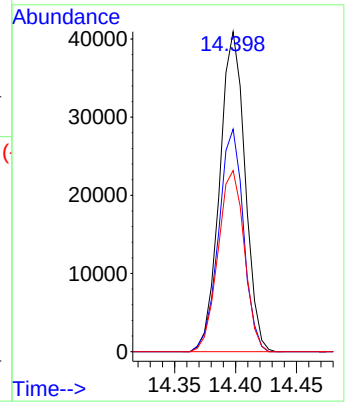


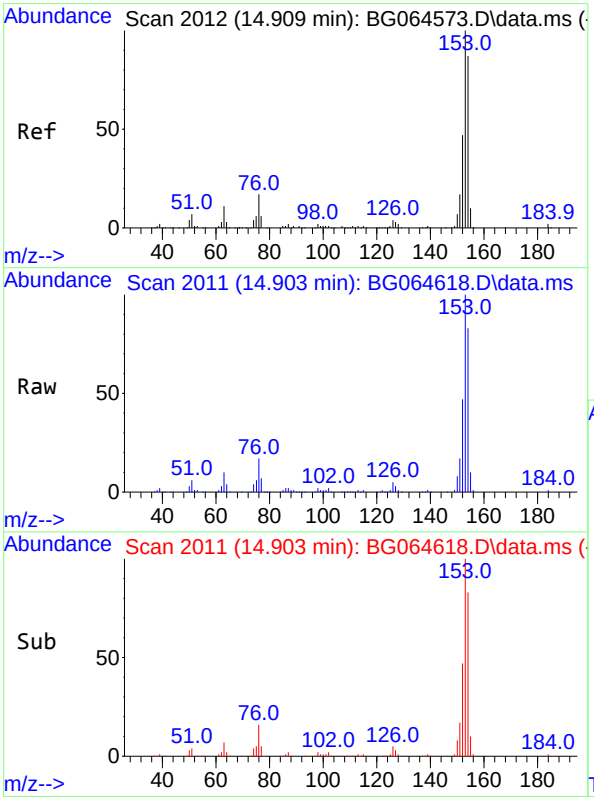
#51
2,6-Dinitrotoluene
Concen: 43.351 ng
RT: 14.398 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 59140

Ion	Ratio	Lower	Upper
165	100		
63	69.6	57.4	86.0
89	56.6	47.8	71.8

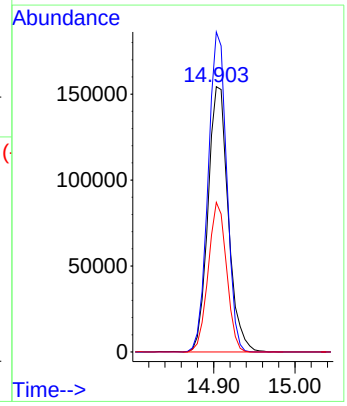


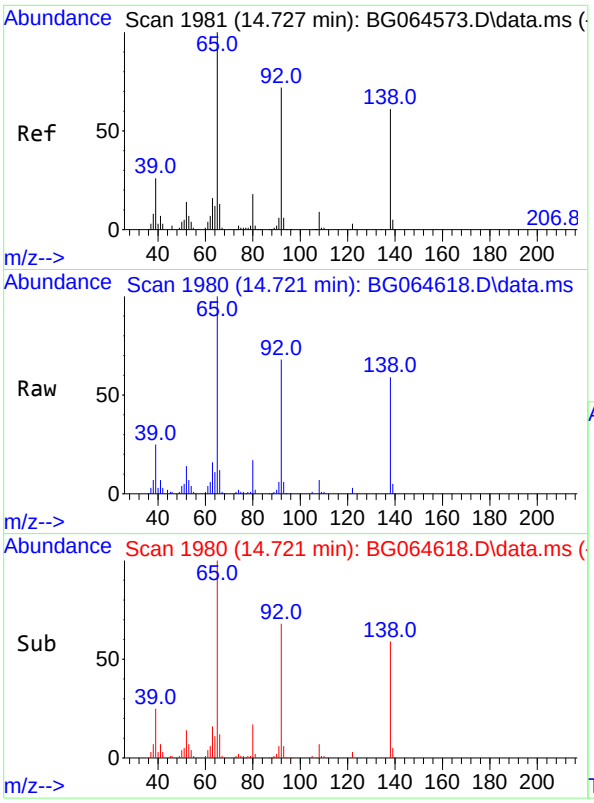


#52
Acenaphthene
Concen: 42.377 ng
RT: 14.903 min Scan# 2011
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:154 Resp: 266835

Ion	Ratio	Lower	Upper
154	100		
153	120.6	92.2	138.4
152	56.4	43.2	64.8



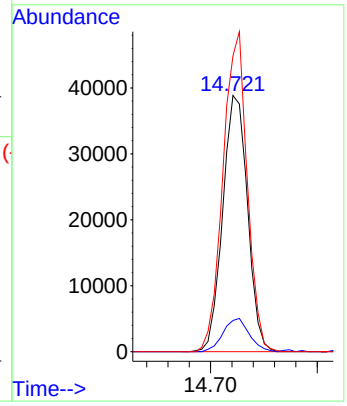


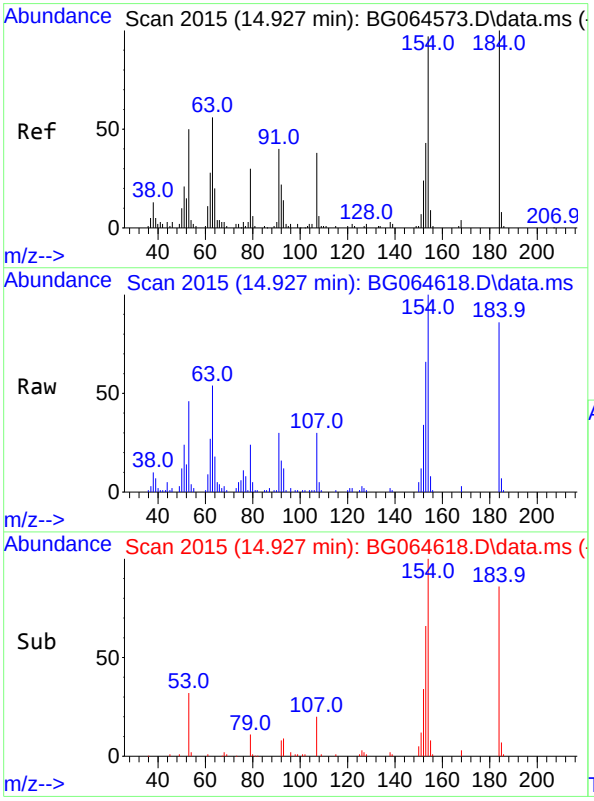
#53
3-Nitroaniline
Concen: 43.773 ng
RT: 14.721 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 62676

Ion	Ratio	Lower	Upper
138	100		
108	12.2	11.4	17.0
92	115.5	95.3	142.9

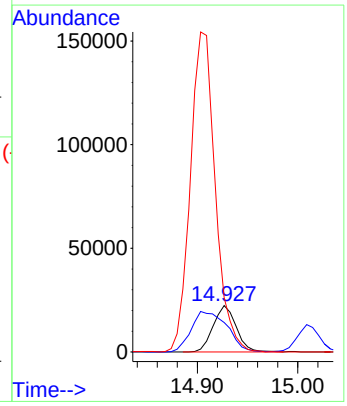


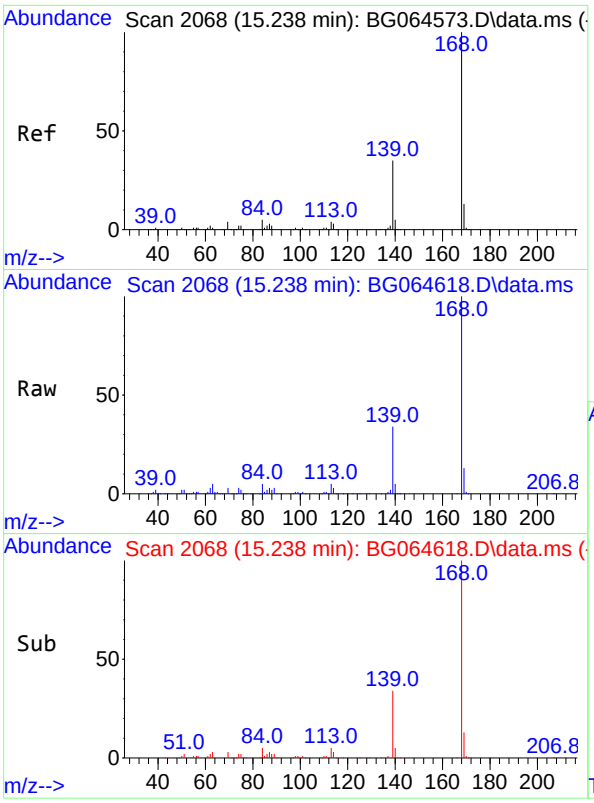


#54
2,4-Dinitrophenol
Concen: 44.922 ng
RT: 14.927 min Scan# 2015
Delta R.T. -0.003 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:184 Resp: 35680

Ion	Ratio	Lower	Upper
184	100		
63	63.4	56.6	85.0
154	116.6	158.6	238.0#



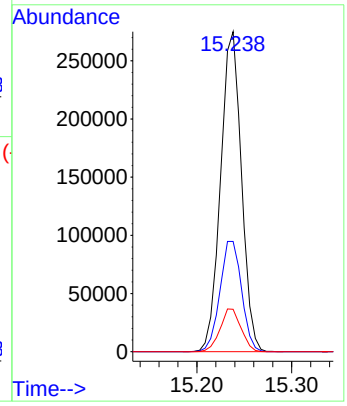


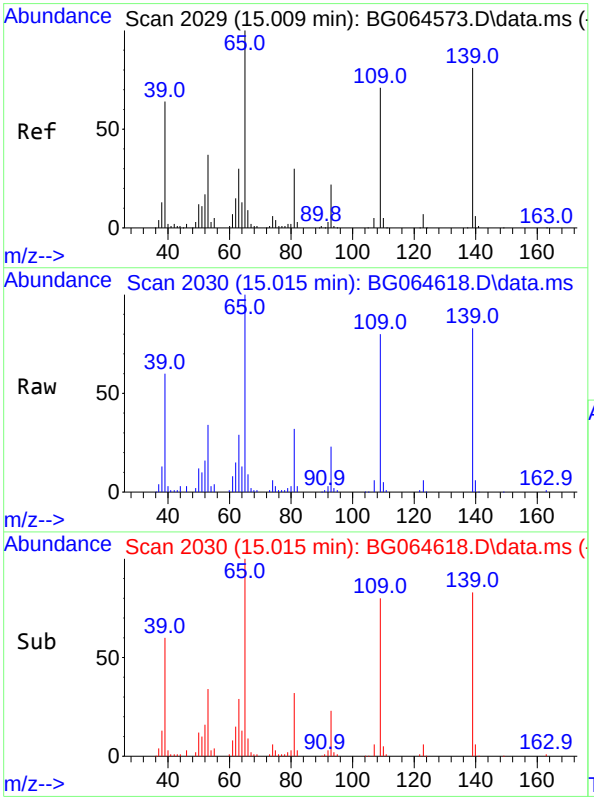
#55
Dibenzofuran
Concen: 41.281 ng
RT: 15.238 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 420237

Ion	Ratio	Lower	Upper
168	100		
139	34.4	27.8	41.8
169	13.2	10.3	15.5

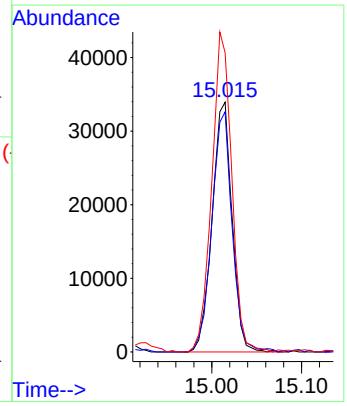


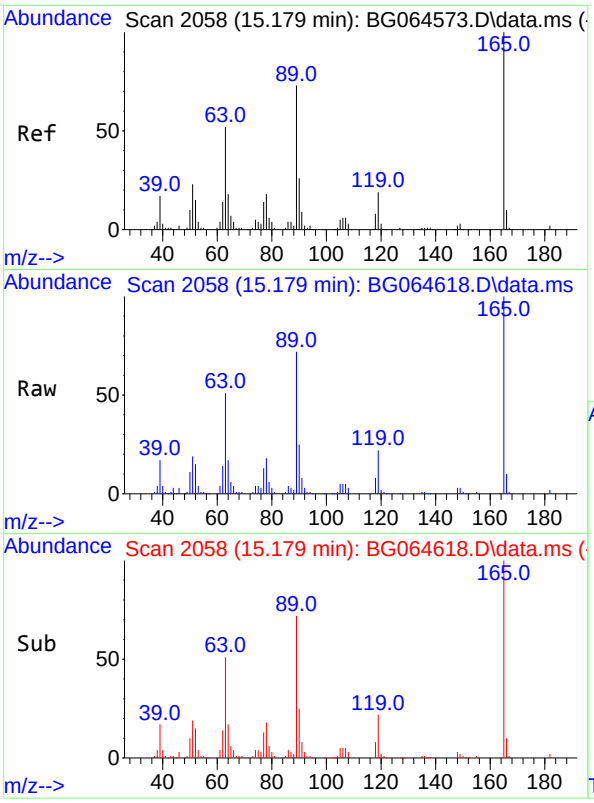


#56
4-Nitrophenol
Concen: 39.540 ng
RT: 15.015 min Scan# 2030
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:139 Resp: 52490

Ion	Ratio	Lower	Upper
139	100		
109	96.1	67.8	107.8
65	119.8	103.7	143.7



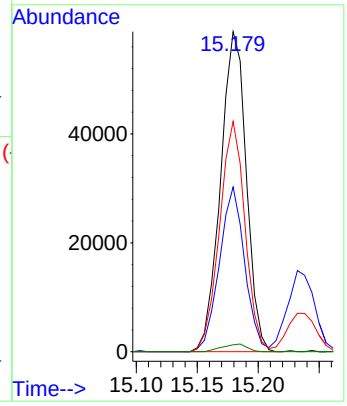


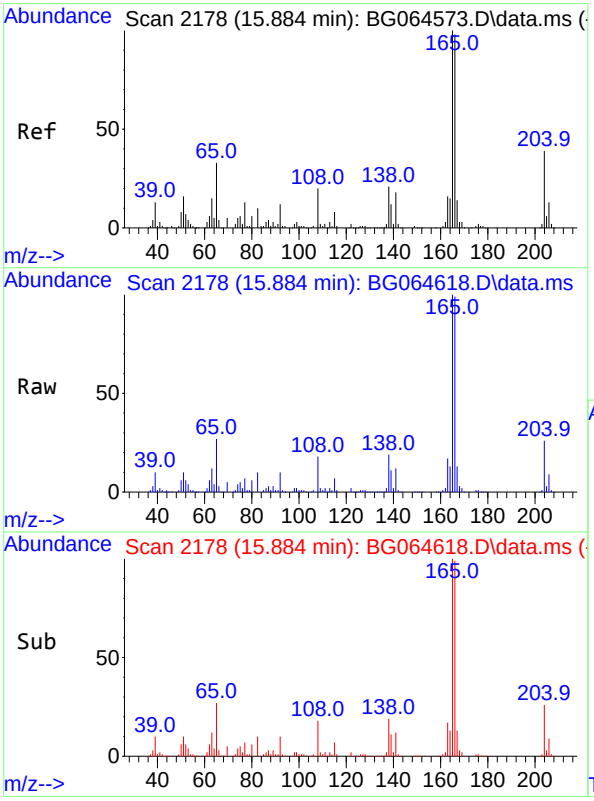
#57
2,4-Dinitrotoluene
Concen: 41.073 ng
RT: 15.179 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 86302

Ion	Ratio	Lower	Upper
165	100		
63	51.4	41.8	62.8
89	71.9	58.1	87.1
182	2.2	1.4	2.0#

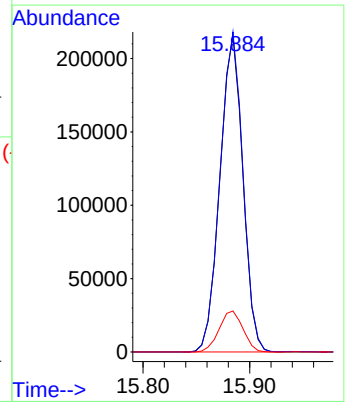


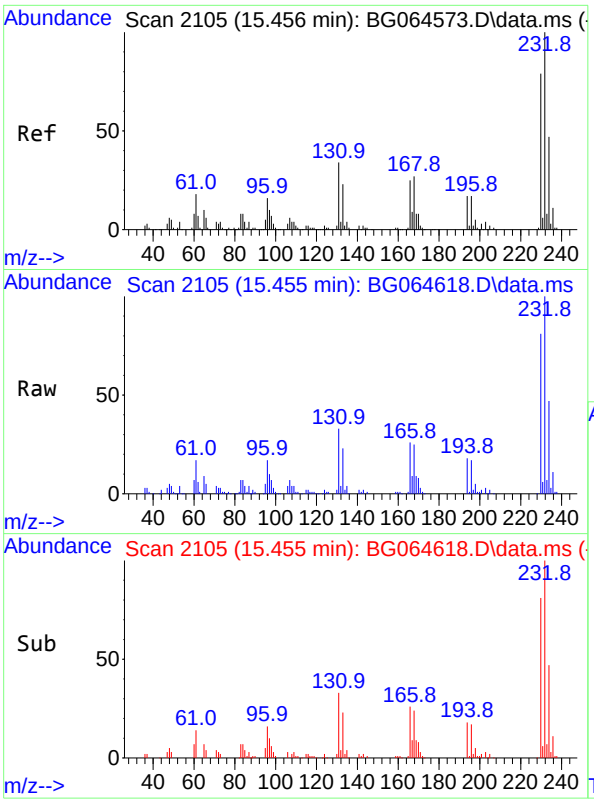


#58
Fluorene
Concen: 40.432 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:166 Resp: 321438

Ion	Ratio	Lower	Upper
166	100		
165	101.3	81.5	122.3
167	13.0	11.4	17.0



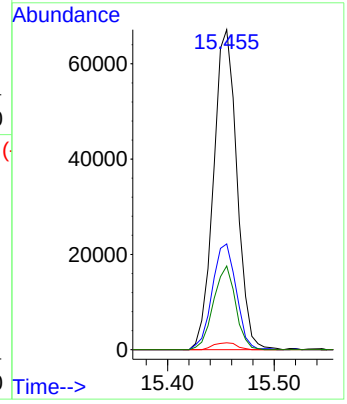


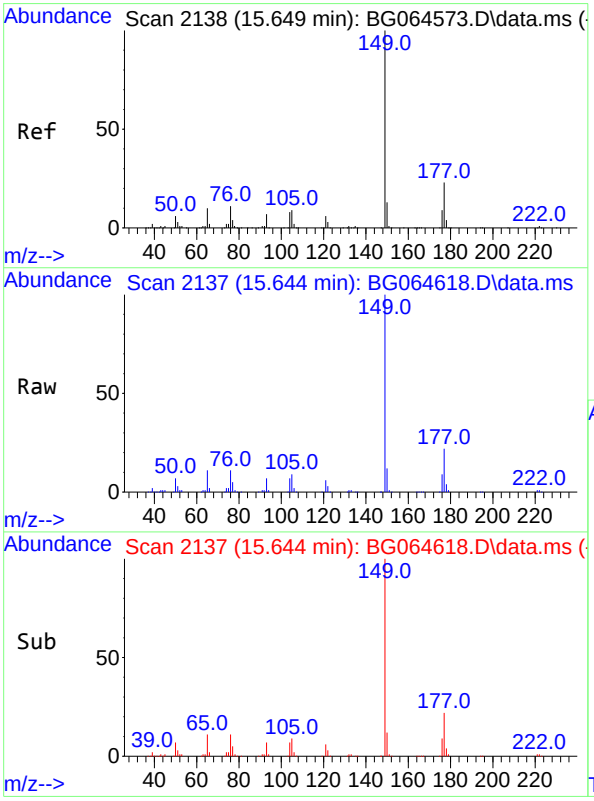
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.298 ng
RT: 15.455 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 102176

Ion	Ratio	Lower	Upper
232	100		
131	34.0	26.7	40.1
130	2.2	1.6	2.4
166	24.7	20.5	30.7

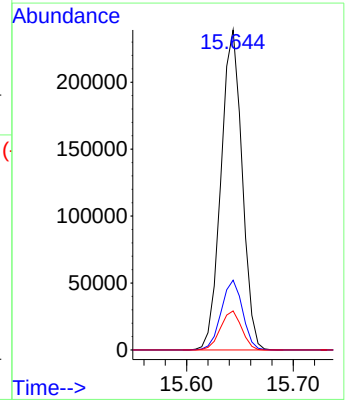


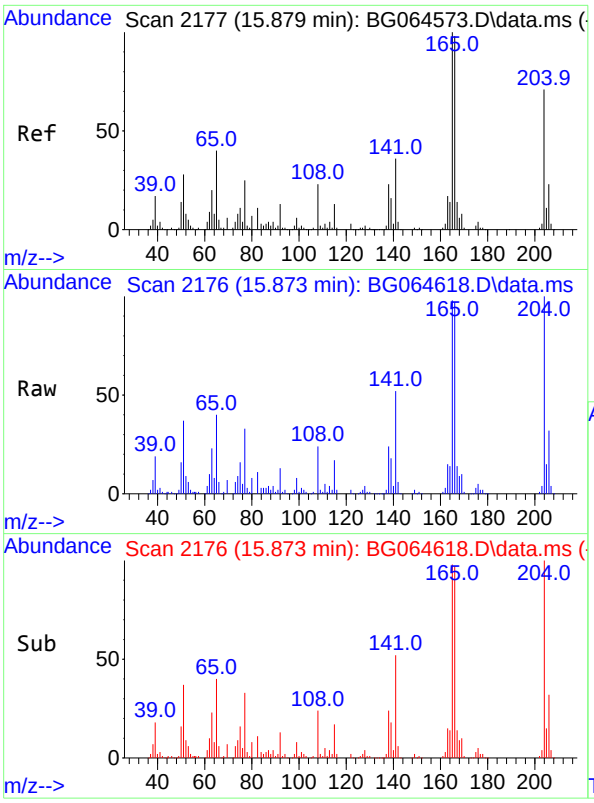


#60
Diethylphthalate
Concen: 38.582 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:149 Resp: 328215

Ion	Ratio	Lower	Upper
149	100		
177	21.8	18.0	27.0
150	12.2	10.2	15.4



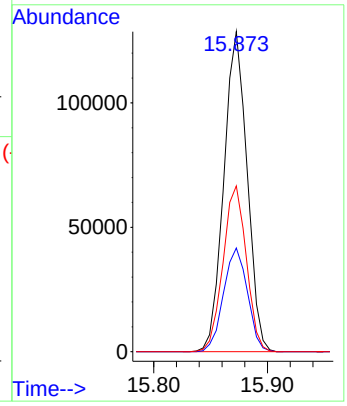


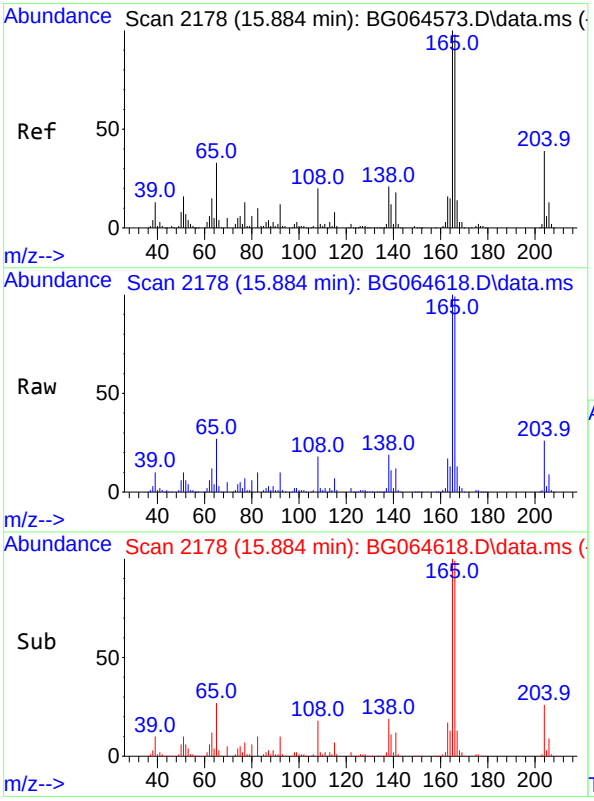
#61
4-Chlorophenyl-phenylether
Concen: 40.979 ng
RT: 15.873 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 182832

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.6	38.4
141	51.8	40.6	60.8

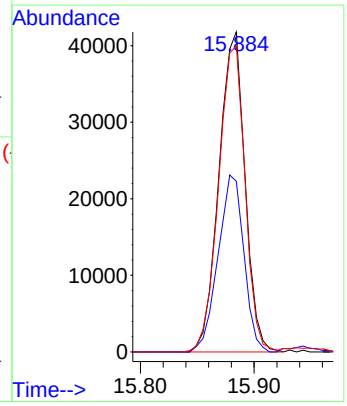


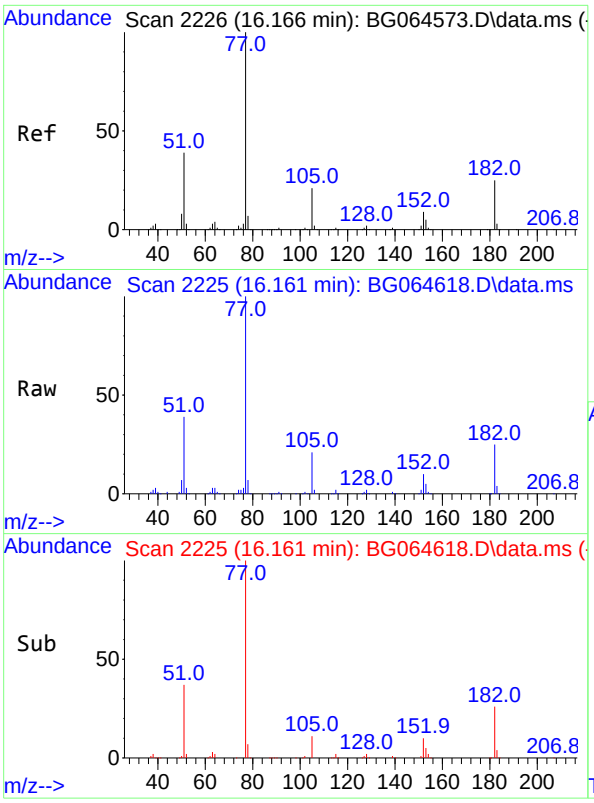


#62
4-Nitroaniline
Concen: 41.786 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:138 Resp: 66563

Ion	Ratio	Lower	Upper
138	100		
92	53.3	36.1	76.1
108	95.7	75.6	115.6



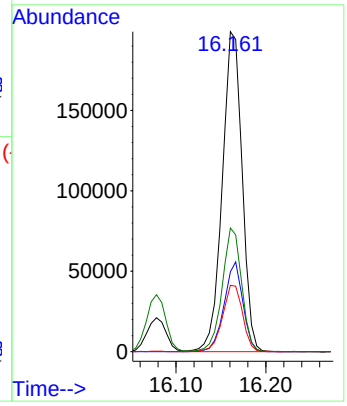


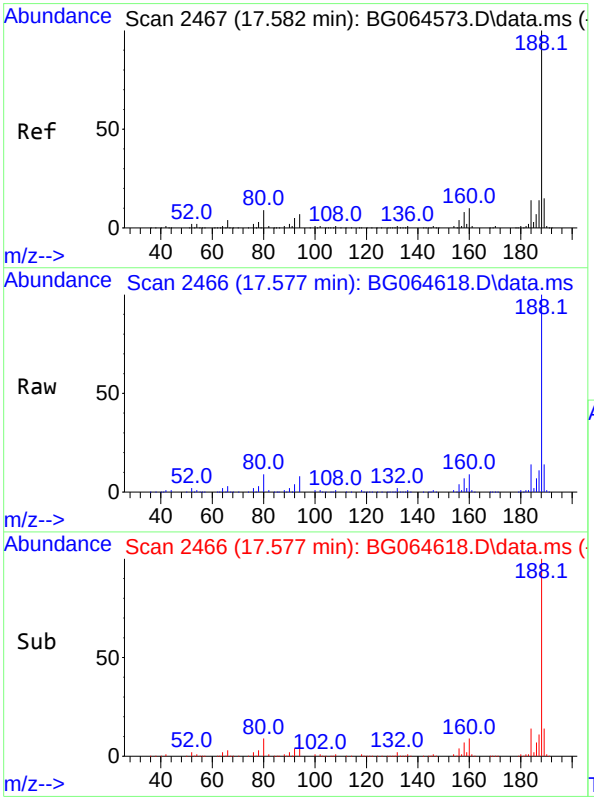
#63
Azobenzene
Concen: 39.183 ng
RT: 16.161 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 305844

Ion	Ratio	Lower	Upper
77	100		
182	25.0	4.9	44.9
105	20.8	1.3	41.3
51	38.6	19.0	59.0

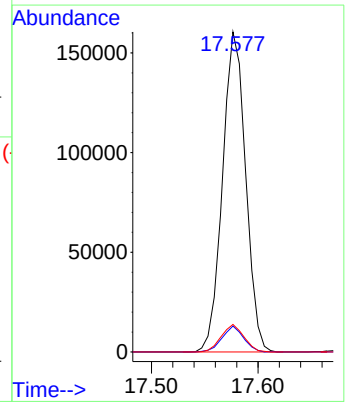


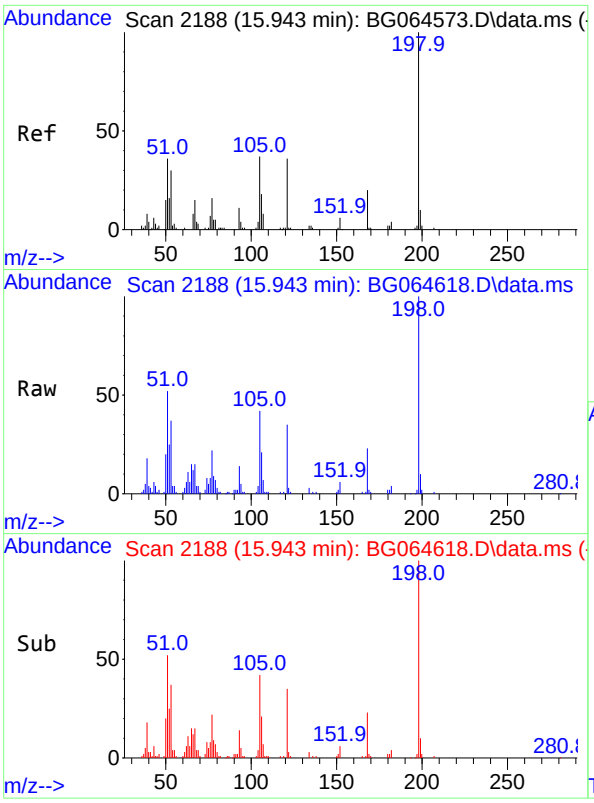


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:188 Resp: 241683

Ion	Ratio	Lower	Upper
188	100		
94	8.1	5.7	8.5
80	8.6	6.8	10.2



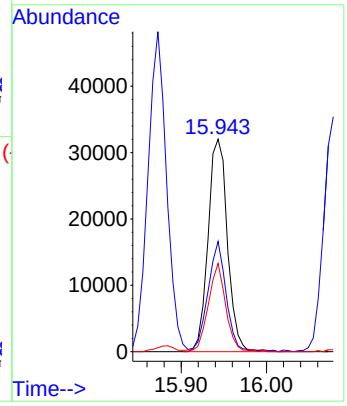


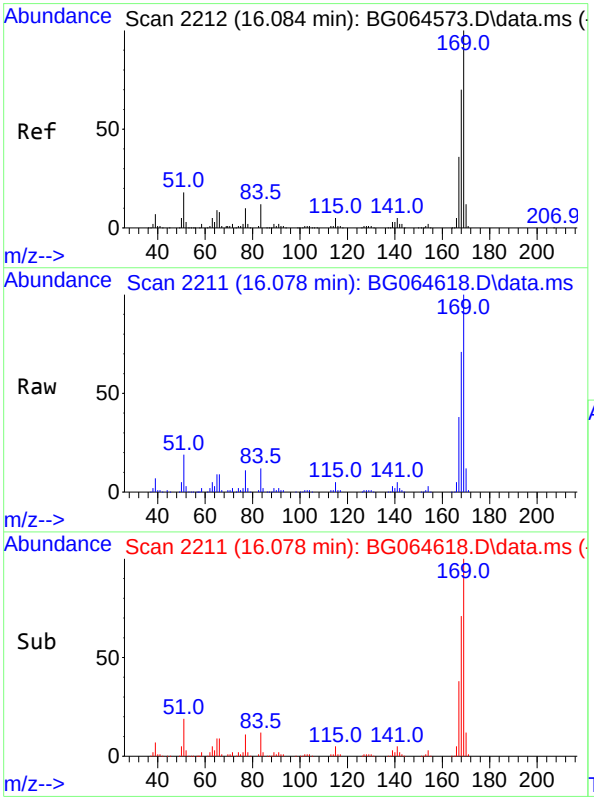
#65
4,6-Dinitro-2-methylphenol
Concen: 47.448 ng
RT: 15.943 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 50385

Ion	Ratio	Lower	Upper
198	100		
51	51.9	24.7	64.7
105	41.5	18.0	58.0

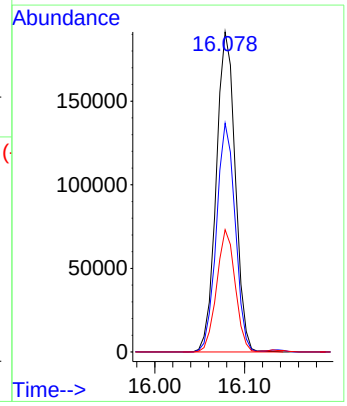


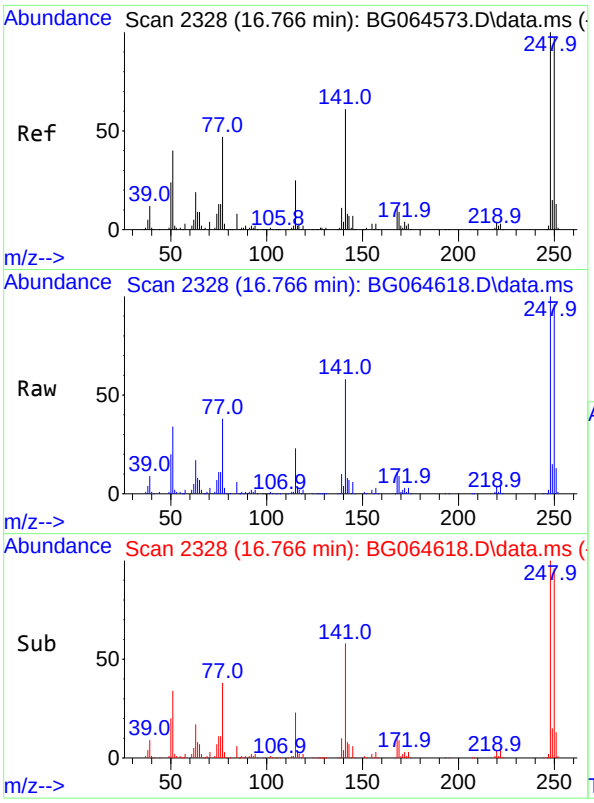


#66
n-Nitrosodiphenylamine
Concen: 43.085 ng
RT: 16.078 min Scan# 2211
Delta R.T. -0.010 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:169 Resp: 281278

Ion	Ratio	Lower	Upper
169	100		
168	71.4	56.3	84.5
167	38.2	29.0	43.6



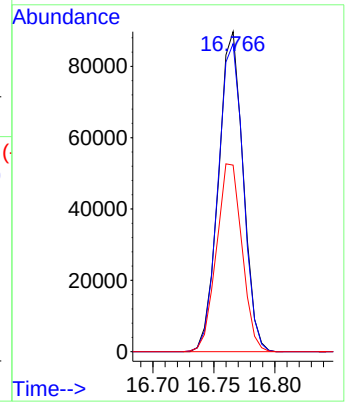


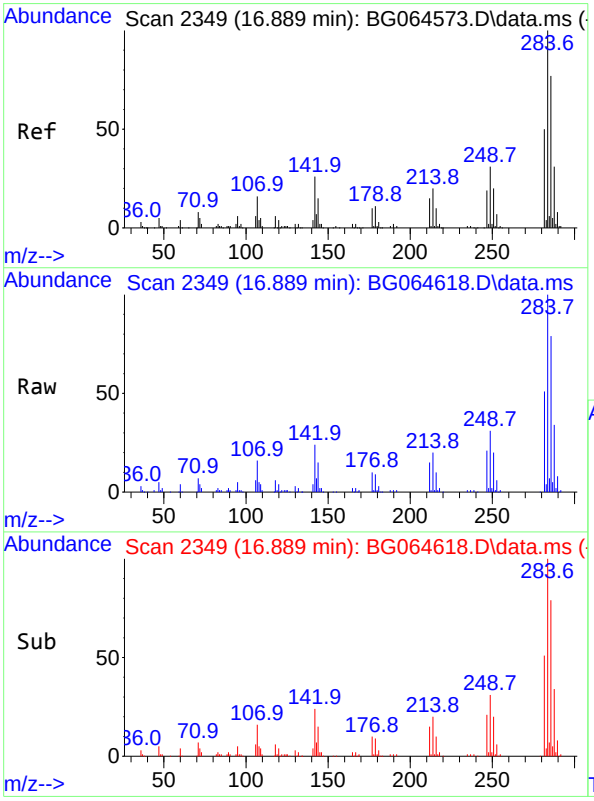
#67
4-Bromophenyl-phenylether
Concen: 44.163 ng
RT: 16.766 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 126485

Ion	Ratio	Lower	Upper
248	100		
250	96.3	77.7	116.5
141	58.3	48.6	72.8

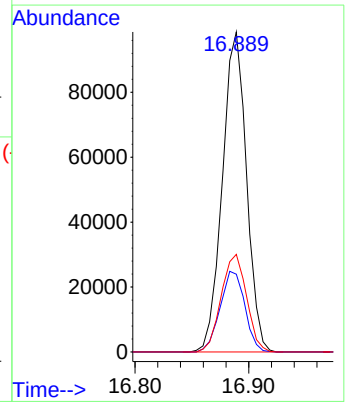


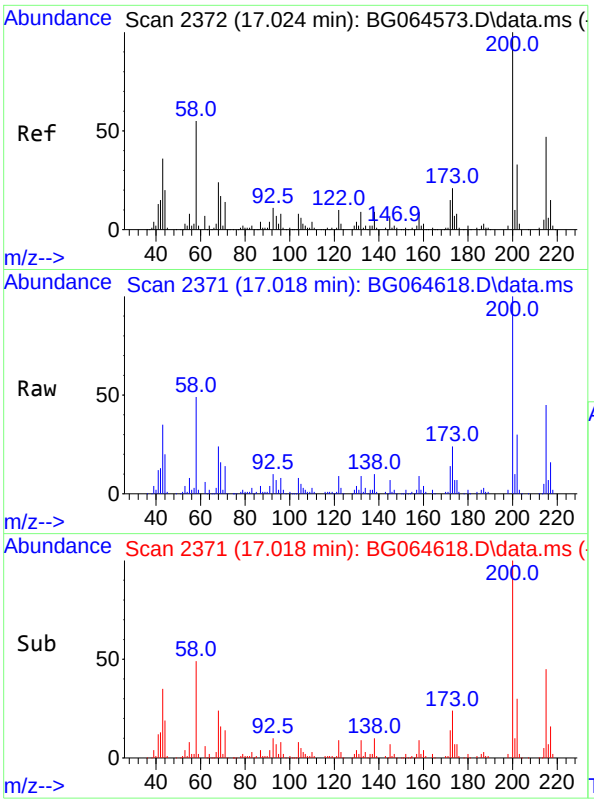


#68
Hexachlorobenzene
Concen: 44.415 ng
RT: 16.889 min Scan# 2349
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:284 Resp: 145122

Ion	Ratio	Lower	Upper
284	100		
142	24.3	21.0	31.6
249	32.9	24.9	37.3



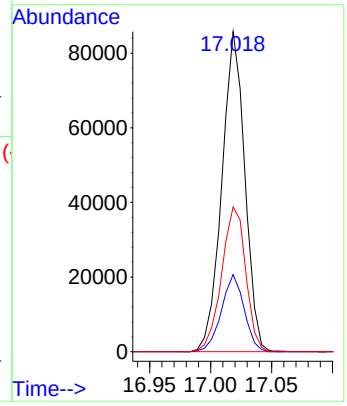


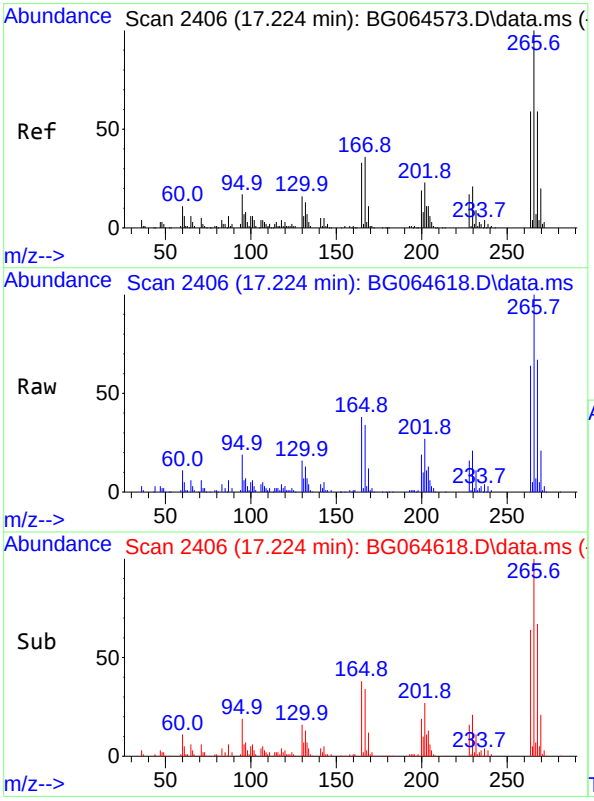
#69
Atrazine
Concen: 40.031 ng
RT: 17.018 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 112465

Ion	Ratio	Lower	Upper
200	100		
173	24.1	0.9	40.9
215	45.3	27.0	67.0

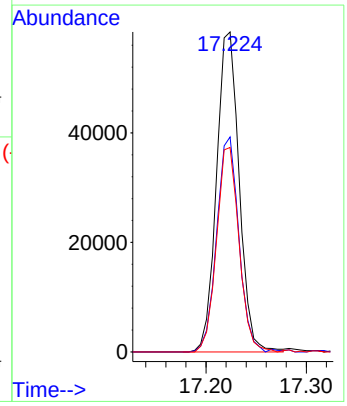


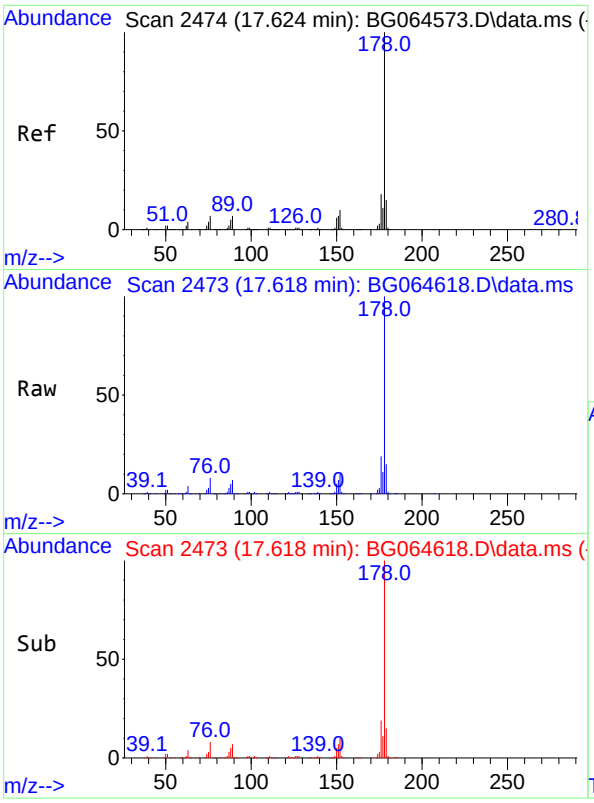


#70
Pentachlorophenol
Concen: 44.939 ng
RT: 17.224 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:266 Resp: 91563

Ion	Ratio	Lower	Upper
266	100		
268	67.2	50.3	75.5
264	63.9	47.3	70.9



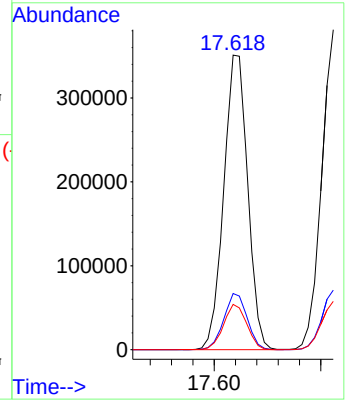


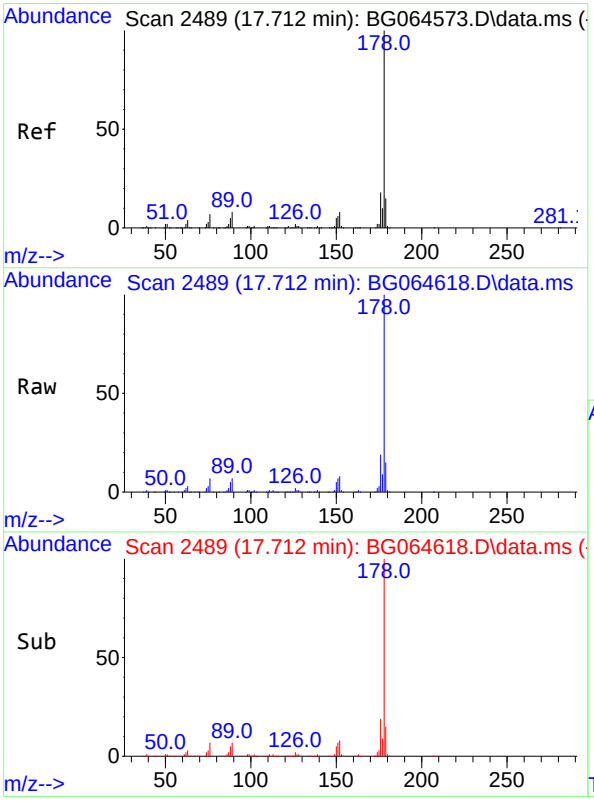
#71
Phenanthrene
Concen: 41.397 ng
RT: 17.618 min Scan# 24
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 547128

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.7	22.1
179	15.4	12.2	18.4

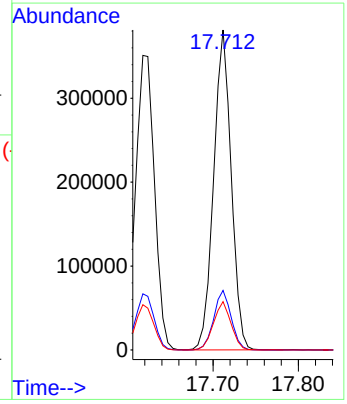


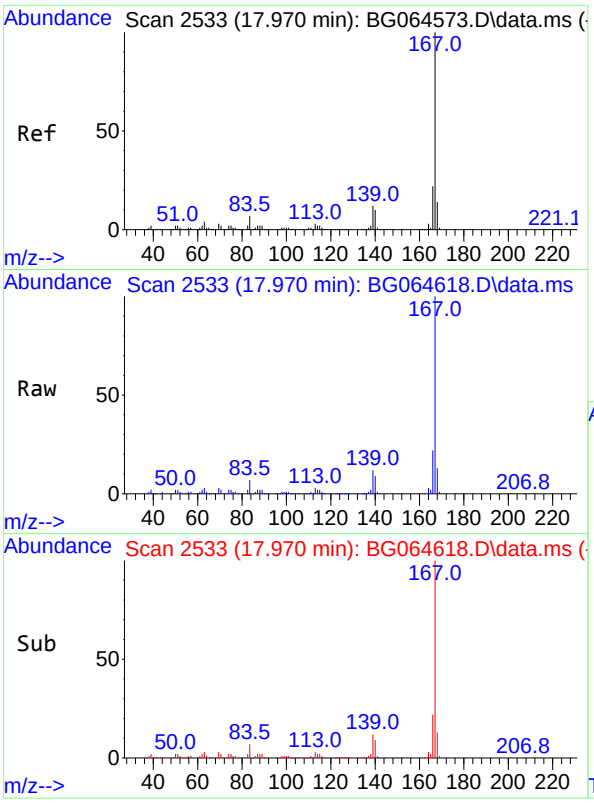


#72
Anthracene
Concen: 40.436 ng
RT: 17.712 min Scan# 2489
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:178 Resp: 543644

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.4	21.6
179	15.1	12.4	18.6



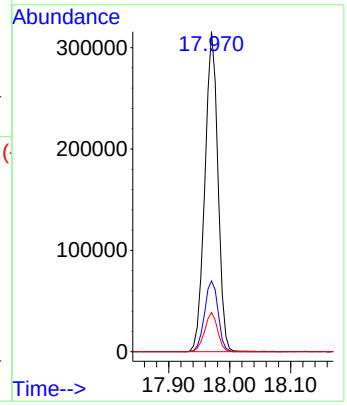


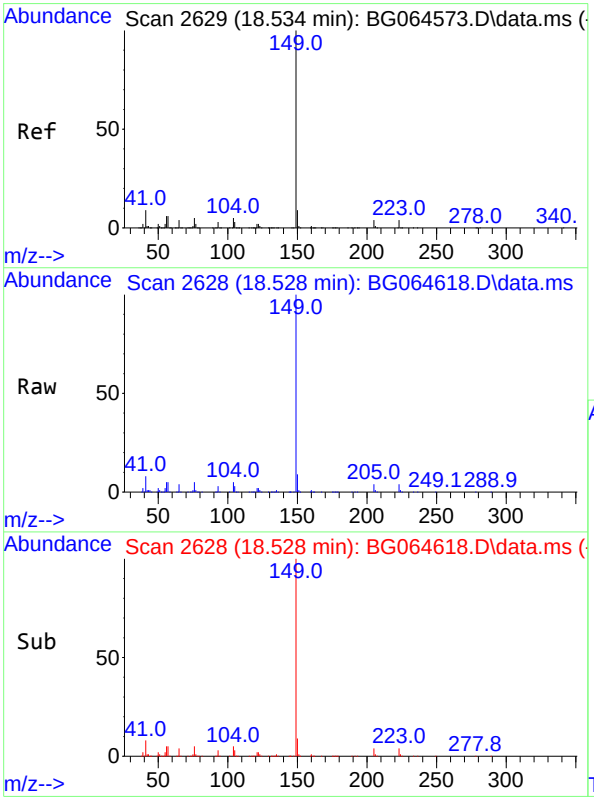
#73
Carbazole
Concen: 39.556 ng
RT: 17.970 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 468954

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.9	26.9
139	12.2	9.7	14.5

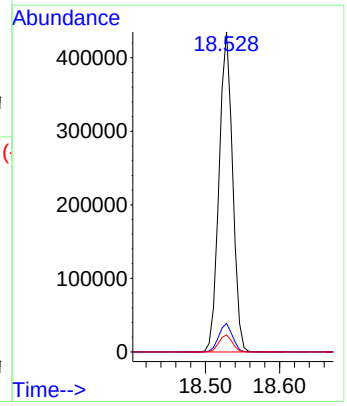


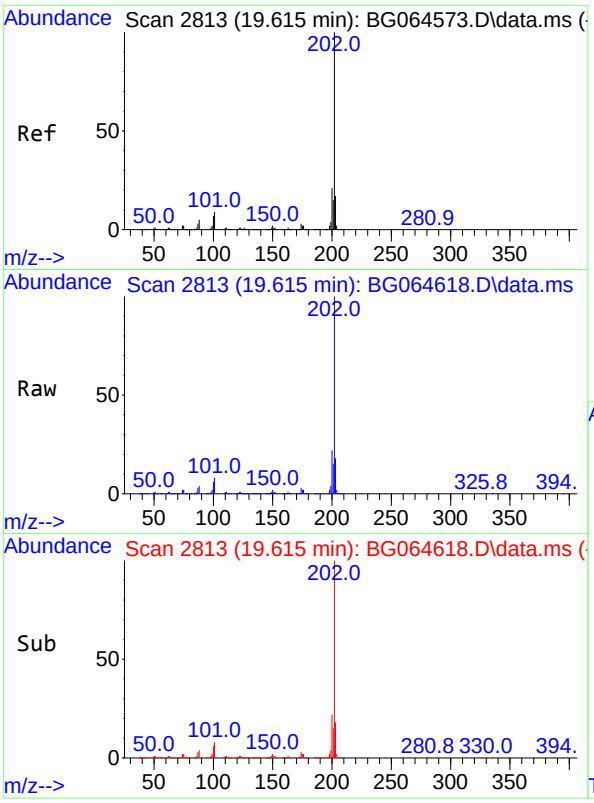


#74
Di-n-butylphthalate
Concen: 40.184 ng
RT: 18.528 min Scan# 2628
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:149 Resp: 550901

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.0	10.6
104	5.3	4.1	6.1



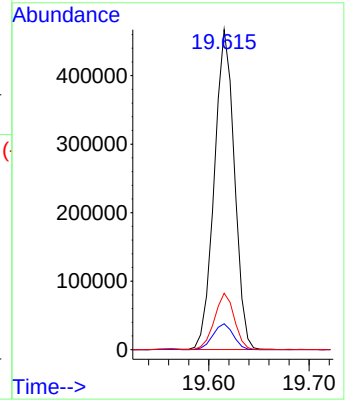


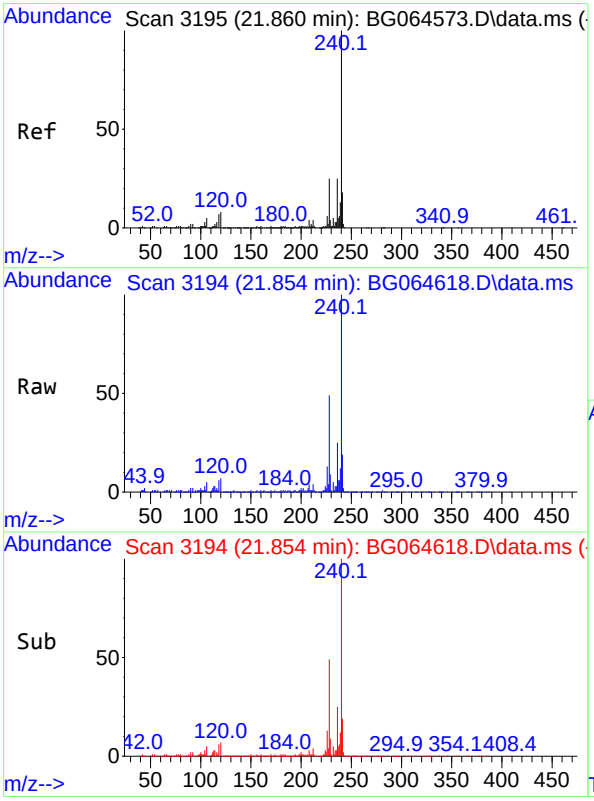
#75
Fluoranthene
Concen: 39.193 ng
RT: 19.615 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 648927

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	28.7
203	17.7	0.0	37.0

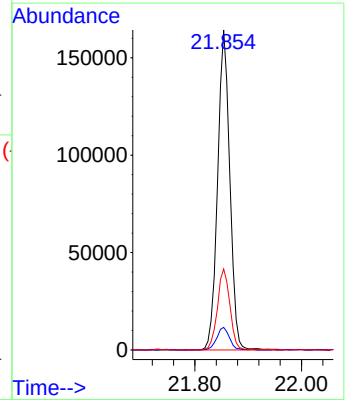


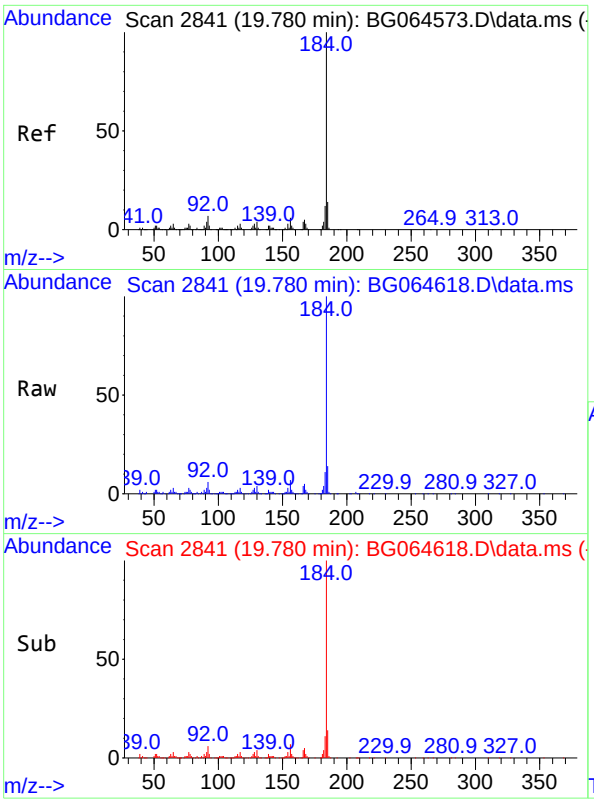


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3194
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:240 Resp: 261016

Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.5	9.7
236	25.3	20.2	30.2



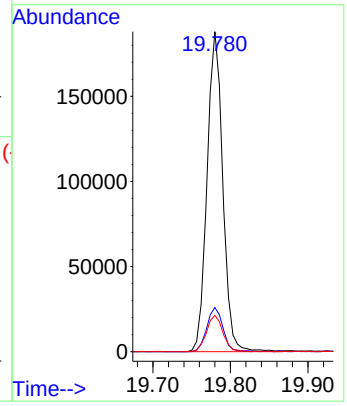


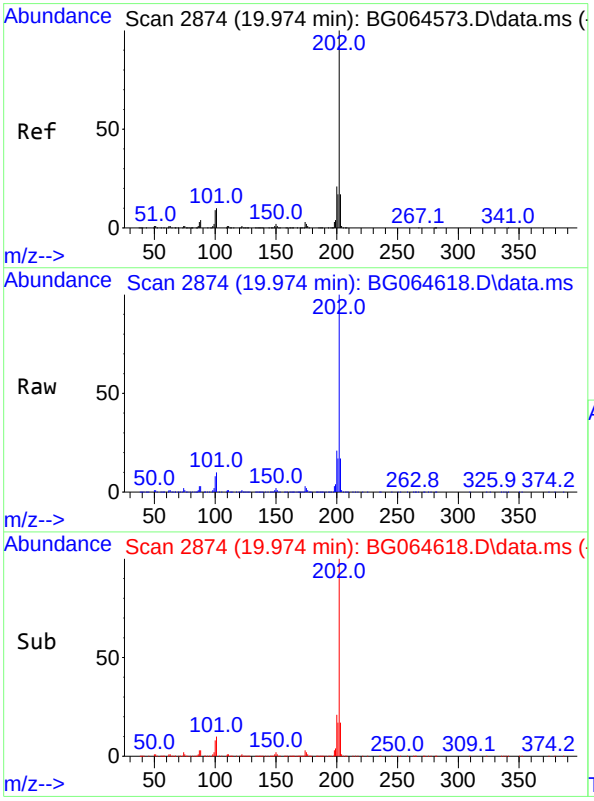
#77
Benzidine
Concen: 45.404 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 265517

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.4	17.2
183	11.4	9.4	14.2

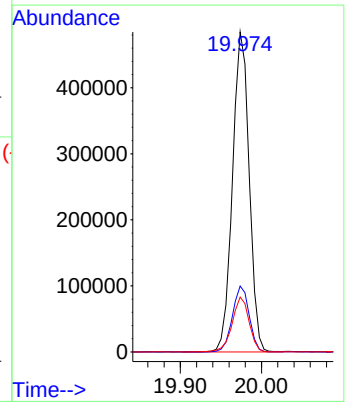


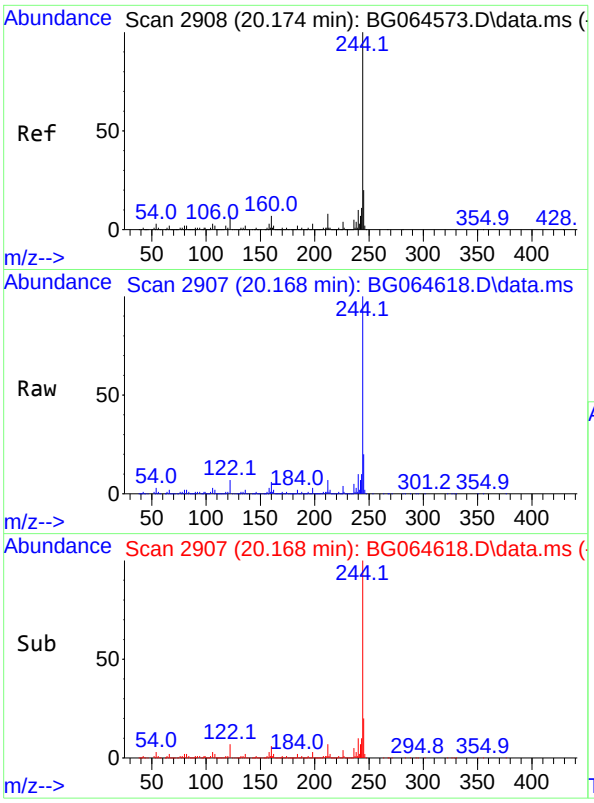


#78
Pyrene
Concen: 40.467 ng
RT: 19.974 min Scan# 2874
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:202 Resp: 690102

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.0	25.4
203	17.1	13.8	20.6



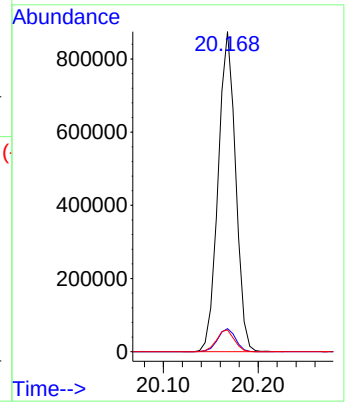


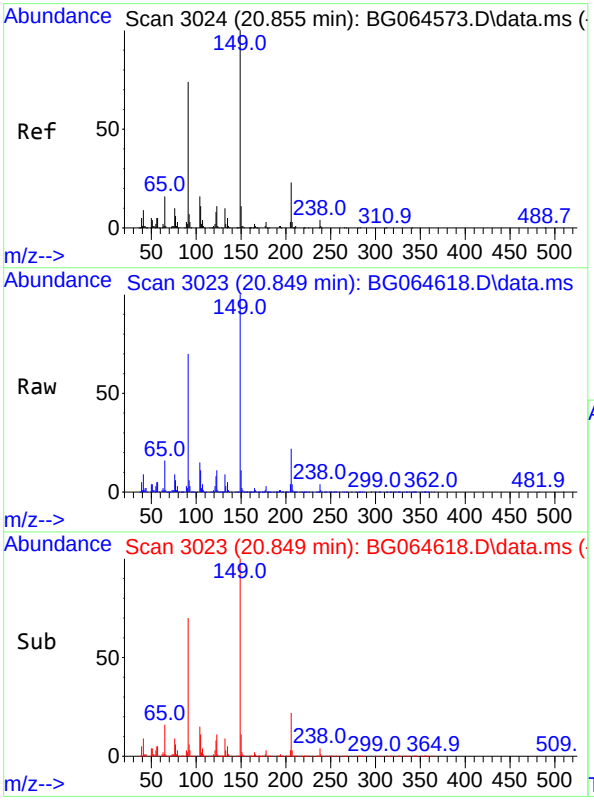
#79
Terphenyl-d14
Concen: 81.066 ng
RT: 20.168 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1121232

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	6.8	5.6	8.4

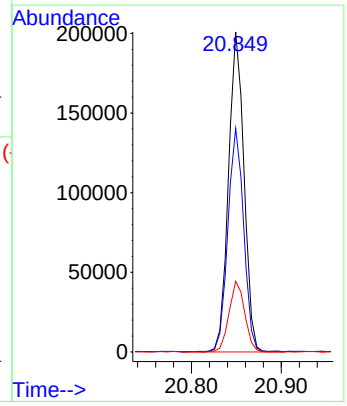


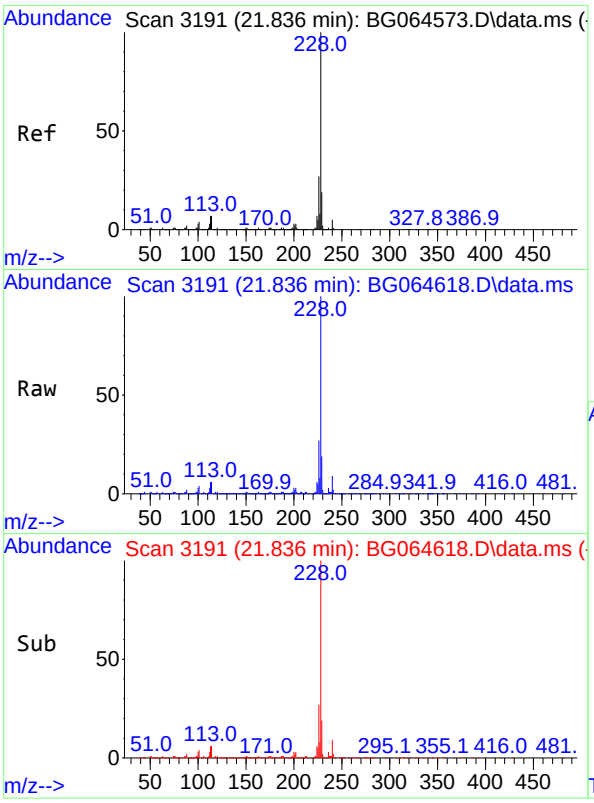


#80
Butylbenzylphthalate
Concen: 46.801 ng
RT: 20.849 min Scan# 3023
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:149 Resp: 241218

Ion	Ratio	Lower	Upper
149	100		
91	69.9	59.2	88.8
206	22.1	18.1	27.1



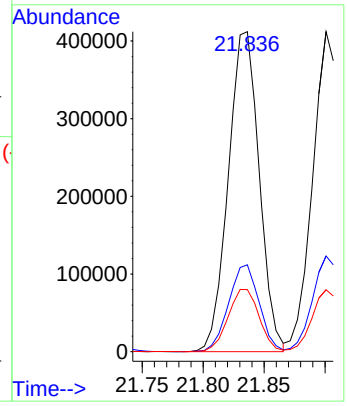


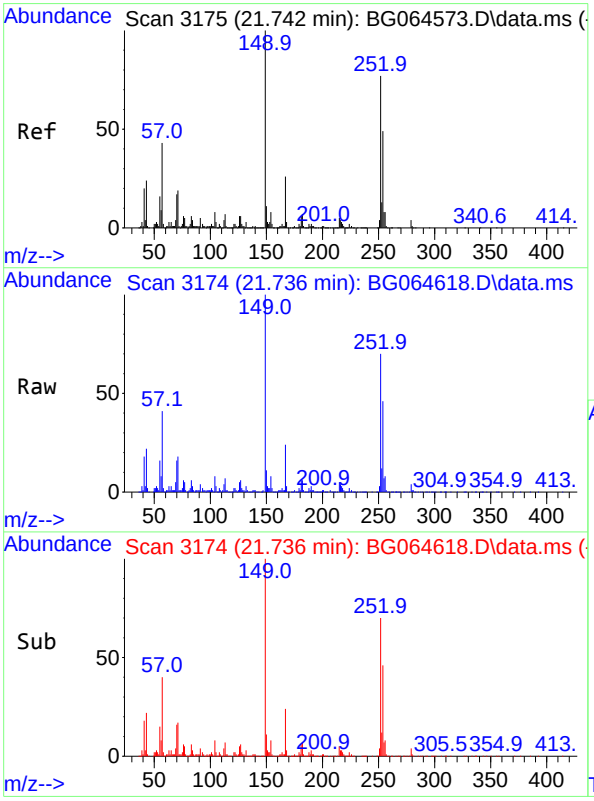
#81
Benzo(a)anthracene
Concen: 42.093 ng
RT: 21.836 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 728489

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	19.4	15.6	23.4

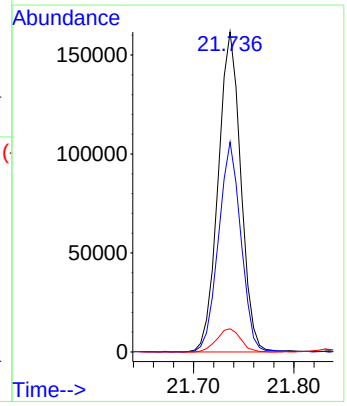


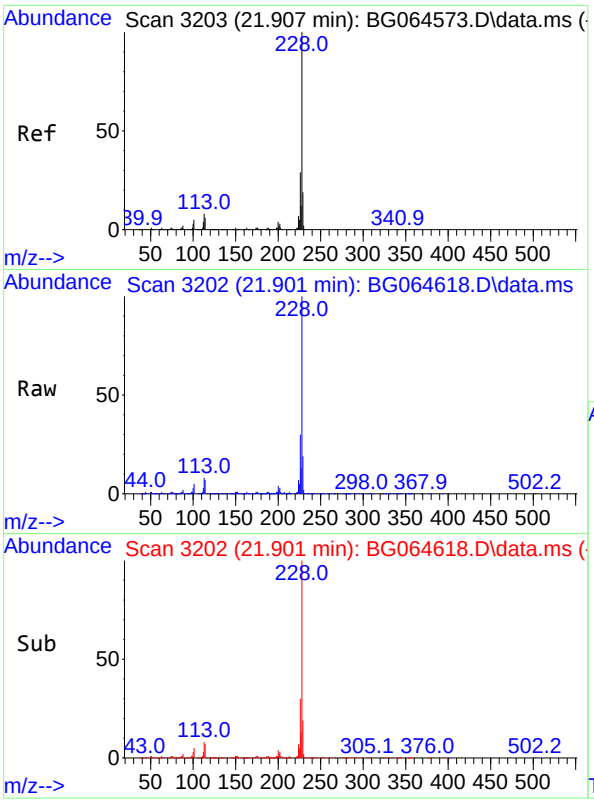


#82
3,3'-Dichlorobenzidine
Concen: 43.737 ng
RT: 21.736 min Scan# 3174
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:252 Resp: 252767

Ion	Ratio	Lower	Upper
252	100		
254	65.6	50.8	76.2
126	7.2	5.8	8.6



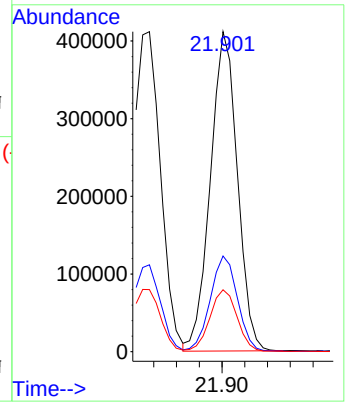


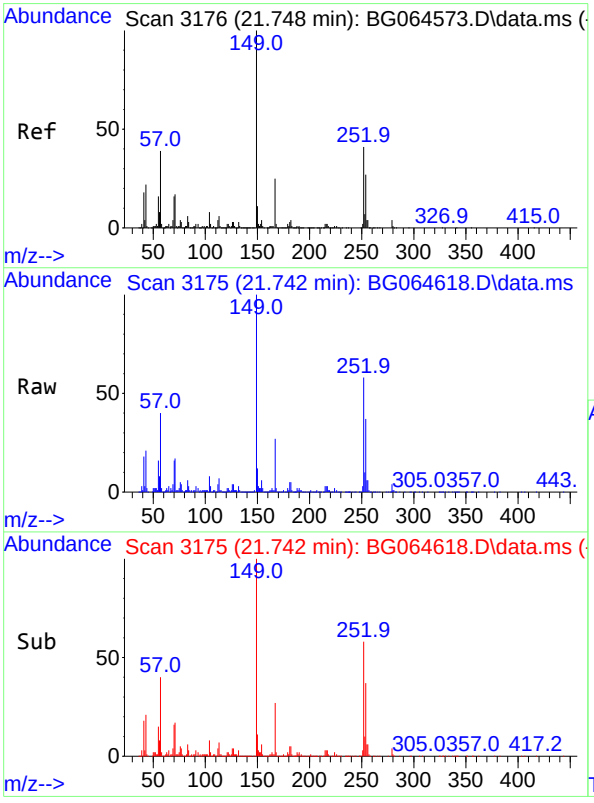
#83
Chrysene
Concen: 41.154 ng
RT: 21.901 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 677717

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.3	34.9
229	19.3	15.2	22.8

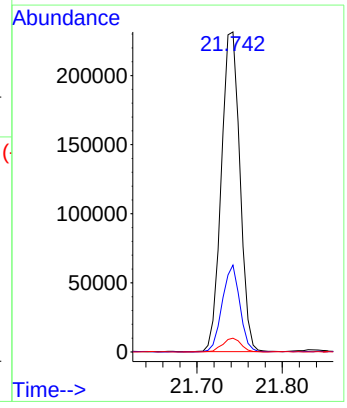


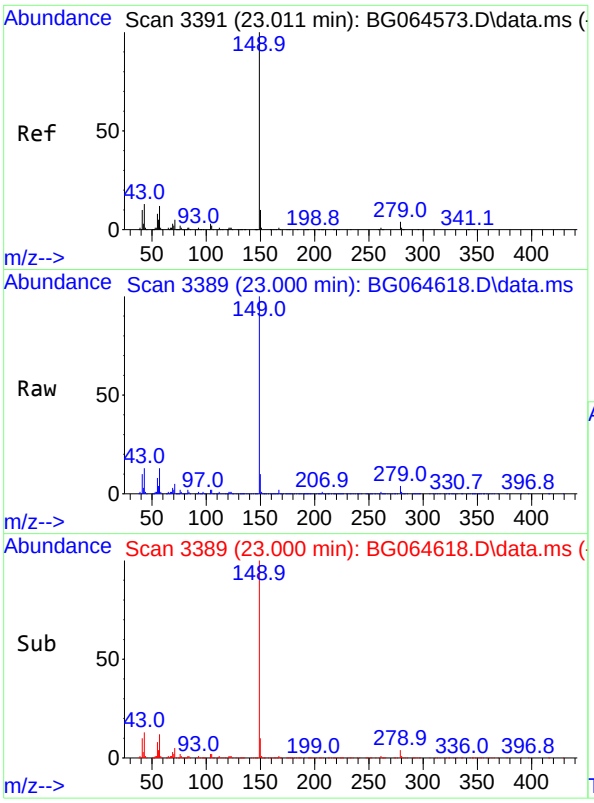


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.515 ng
RT: 21.742 min Scan# 3175
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:149 Resp: 350537

Ion	Ratio	Lower	Upper
149	100		
167	27.1	20.0	30.0
279	4.3	3.1	4.7



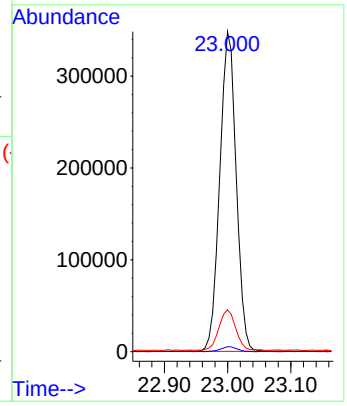


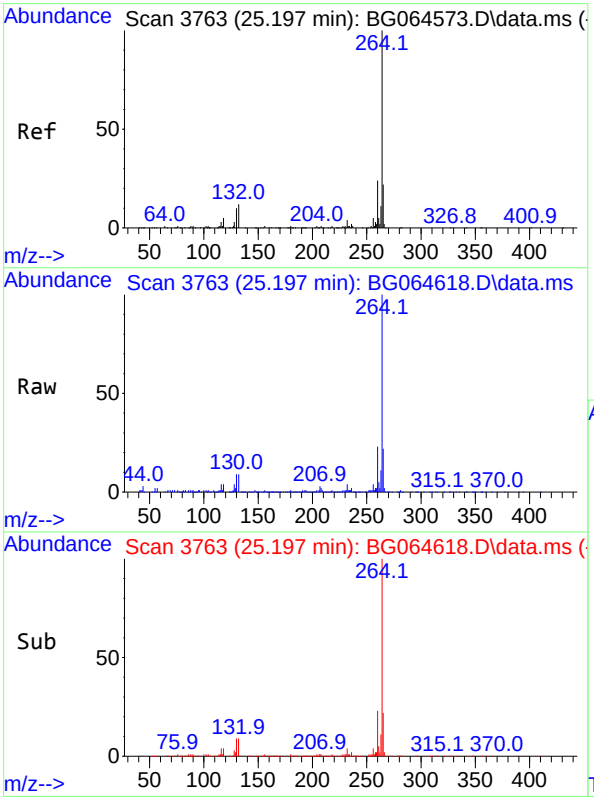
#85
Di-n-octyl phthalate
Concen: 48.350 ng
RT: 23.000 min Scan# 3
Delta R.T. -0.015 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 627808

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.0	10.8	16.2

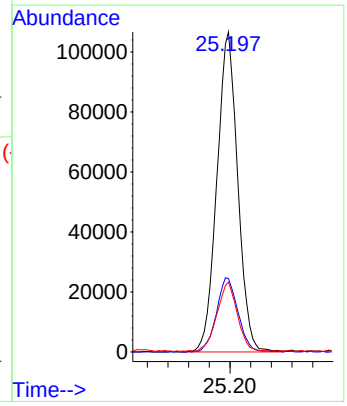


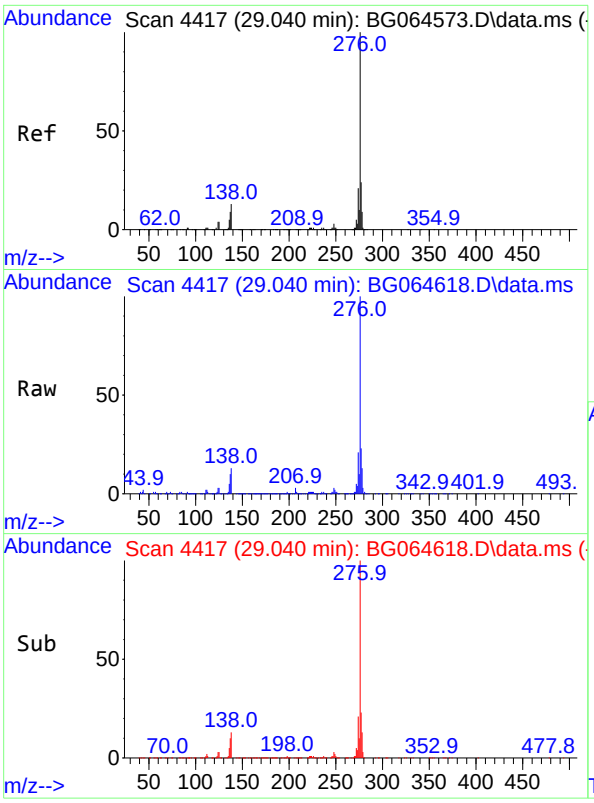


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.197 min Scan# 3763
Delta R.T. -0.004 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:264 Resp: 298207

Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.0	28.4
265	21.9	17.6	26.4



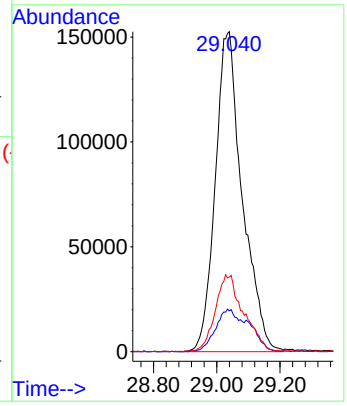


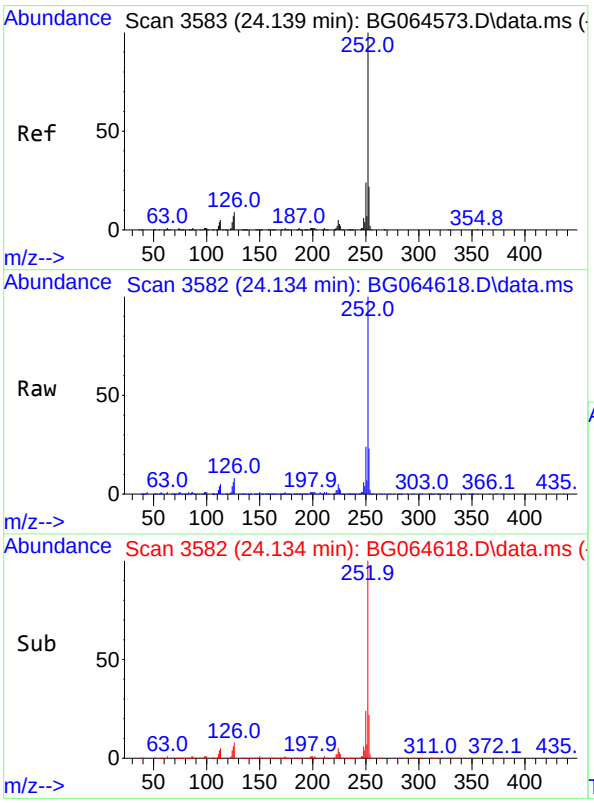
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.308 ng
RT: 29.040 min Scan# 44
Delta R.T. -0.021 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 906170

Ion	Ratio	Lower	Upper
276	100		
138	11.7	10.8	16.2
277	25.3	20.1	30.1

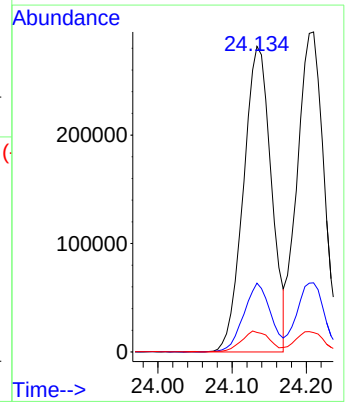


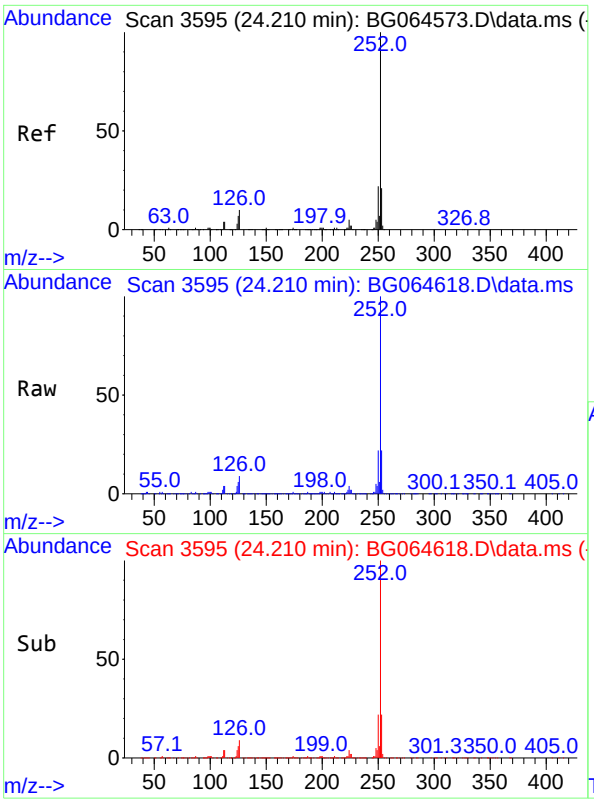


#88
Benzo(b)fluoranthene
Concen: 40.302 ng
RT: 24.134 min Scan# 3582
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:252 Resp: 736965

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	6.4	5.6	8.4



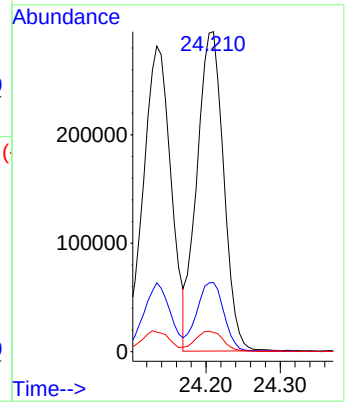


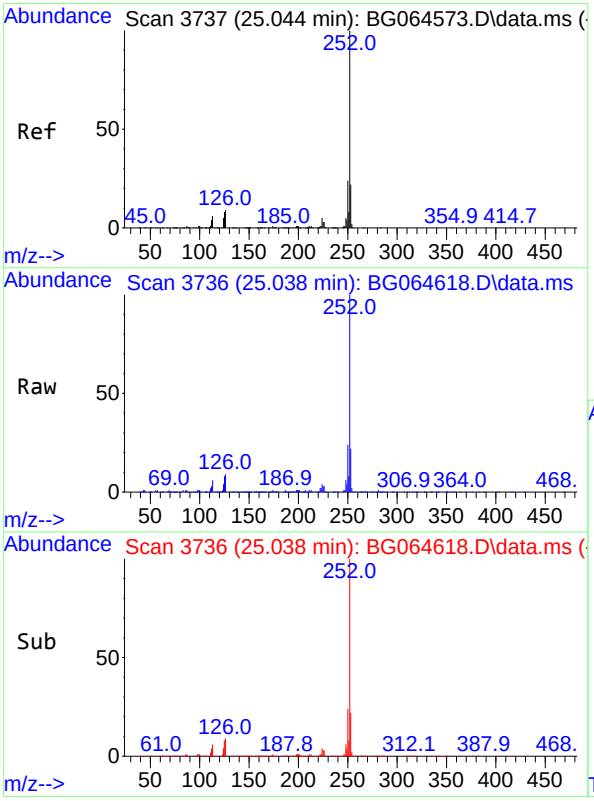
#89
Benzo(k)fluoranthene
Concen: 40.260 ng
RT: 24.210 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 736695

Ion	Ratio	Lower	Upper
252	100		
253	21.6	16.8	25.2
125	6.1	5.4	8.0

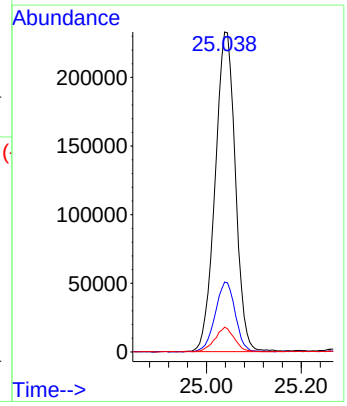


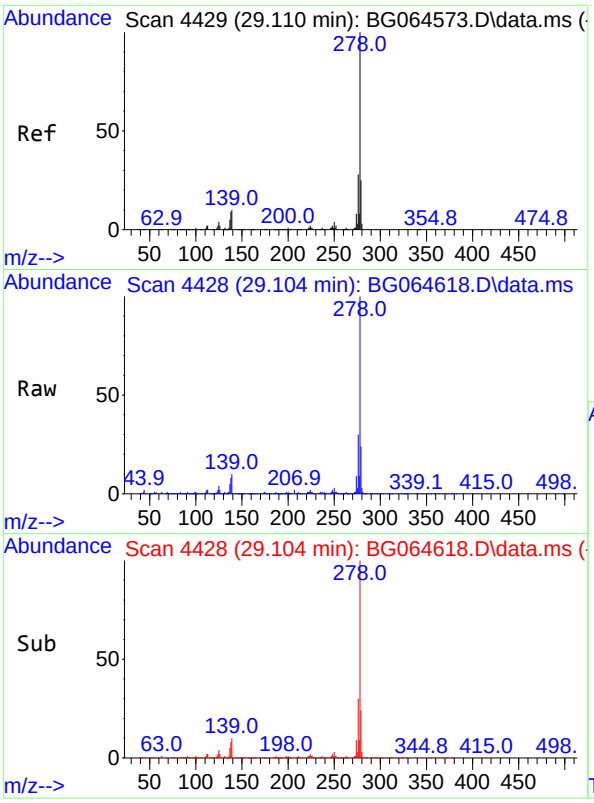


#90
Benzo(a)pyrene
Concen: 41.067 ng
RT: 25.038 min Scan# 3736
Delta R.T. -0.021 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:252 Resp: 690279

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	7.8	6.1	9.1



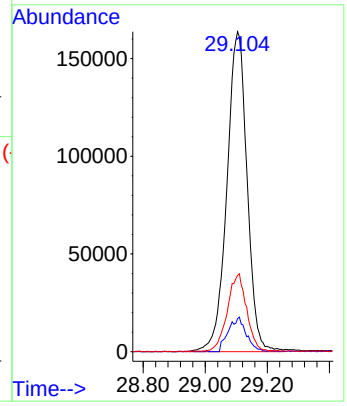


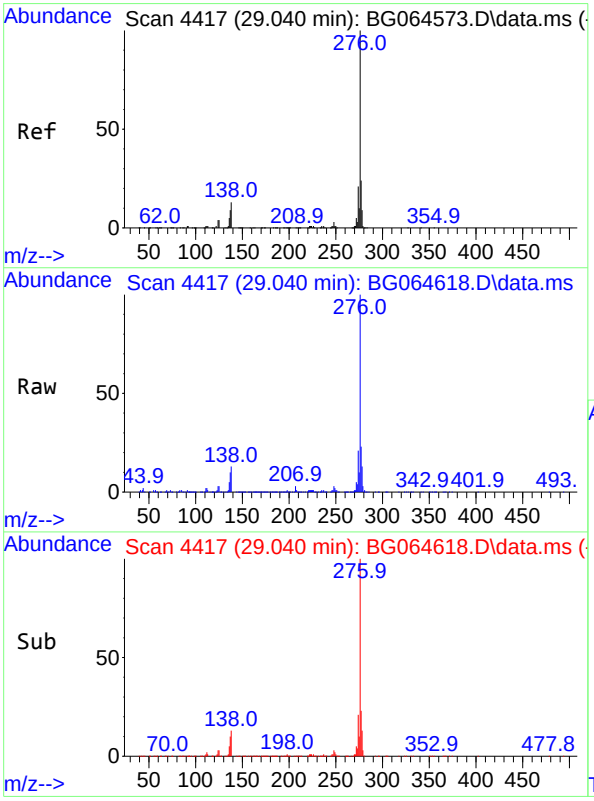
#91
Dibenzo(a,h)anthracene
Concen: 41.529 ng
RT: 29.104 min Scan# 44
Delta R.T. -0.033 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 740147

Ion	Ratio	Lower	Upper
278	100		
139	10.4	8.0	12.0
279	23.9	19.8	29.6

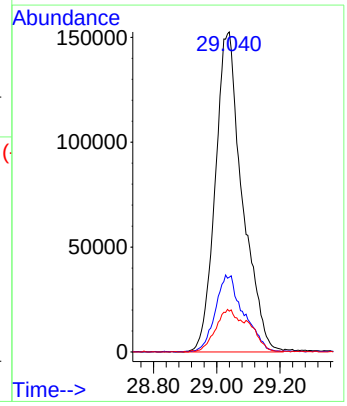




#92
Benzo(g,h,i)perylene
Concen: 41.308 ng
RT: 29.040 min Scan# 4417
Delta R.T. -0.021 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:276 Resp: 906170

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	12.7	10.7	16.1



Sample Results: **BG064618.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064618.D
Acq On : 29 Oct 2025 11:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	91	0.00
2		1,4-Dioxane	0.528	0.560	-6.1	97	0.00
3		Pyridine	1.584	1.622	-2.4	89	0.00
4		n-Nitrosodimethylamine	0.850	0.861	-1.3	87	0.00
5	S	2-Fluorophenol	1.192	1.266	-6.2	89	0.00
6		Aniline	2.225	2.273	-2.2	87	0.00
7	S	Phenol-d6	1.635	1.656	-1.3	85	0.00
8		2-Chlorophenol	1.247	1.377	-10.4	91	0.00
9		Benzaldehyde	0.893	0.838	6.2	81	0.00
10	C	Phenol	1.808	1.838	-1.7	86	0.00
11		bis(2-Chloroethyl)ether	2.225	2.273	-2.2	87	0.00
12		1,3-Dichlorobenzene	1.435	1.546	-7.7	93	0.00
13	C	1,4-Dichlorobenzene	1.460	1.553	-6.4	92	0.00
14		1,2-Dichlorobenzene	1.408	1.517	-7.7	93	0.00
15		Benzyl Alcohol	1.348	1.422	-5.5	91	0.00
16		2,2'-oxybis(1-Chloropropane	3.487	3.674	-5.4	90	0.00
17		2-Methylphenol	0.674	0.720	-6.8	88	0.00
18		Hexachloroethane	0.512	0.567	-10.7	95	0.00
19	P	n-Nitroso-di-n-propylamine	1.130	1.223	-8.2	91	0.00
20		3+4-Methylphenols	1.688	1.742	-3.2	87	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	90	0.00
22		Acetophenone	0.547	0.581	-6.2	90	0.00
23	S	Nitrobenzene-d5	0.333	0.401	-20.4	96	0.00
24		Nitrobenzene	0.362	0.429	-18.5	95	0.00
25		Isophorone	0.799	0.833	-4.3	87	0.00
26	C	2-Nitrophenol	0.121	0.168	-38.8#	111	0.00
27		2,4-Dimethylphenol	0.303	0.311	-2.6	84	0.00
28		bis(2-Chloroethoxy)methane	0.455	0.480	-5.5	89	0.00
29	C	2,4-Dichlorophenol	0.320	0.352	-10.0	88	0.00
30		1,2,4-Trichlorobenzene	0.363	0.399	-9.9	92	0.00
31		Naphthalene	1.109	1.159	-4.5	89	0.00
32		Benzoic acid	0.189	0.203	-7.4	90	-0.03
33		4-Chloroaniline	0.431	0.435	-0.9	86	0.00
34	C	Hexachlorobutadiene	0.284	0.322	-13.4	97	0.00
35		Caprolactam	0.123	0.108	12.2	73	-0.03
36	C	4-Chloro-3-methylphenol	0.384	0.389	-1.3	83	0.00
37		2-Methylnaphthalene	0.814	0.836	-2.7	87	0.00
38		1-Methylnaphthalene	0.801	0.825	-3.0	87	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	0.671	0.754	-12.4	90	0.00
41	P	Hexachlorocyclopentadiene	0.302	0.400	-32.5#	103	0.00
42	S	2,4,6-Tribromophenol	0.289	0.312	-8.0	82	0.00
43	C	2,4,6-Trichlorophenol	0.384	0.455	-18.5	90	0.00
44		2,4,5-Trichlorophenol	0.443	0.492	-11.1	85	0.00
45	S	2-Fluorobiphenyl	1.319	1.473	-11.7	89	0.00
46		1,1'-Biphenyl	1.422	1.535	-7.9	86	0.00
47		2-Chloronaphthalene	1.073	1.175	-9.5	87	0.00

Sample Results: **BG064618.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064618.D
Acq On : 29 Oct 2025 11:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	0.311	0.378	-21.5	90	0.00
49		Acenaphthylene	1.693	1.770	-4.5	83	0.00
50		Dimethylphthalate	1.530	1.552	-1.4	79	0.00
51		2,6-Dinitrotoluene	0.218	0.272	-24.8	92	0.00
52	C	Acenaphthene	1.157	1.225	-5.9	84	0.00
53		3-Nitroaniline	0.263	0.288	-9.5	82	0.00
54	P	2,4-Dinitrophenol	0.132	0.164	-24.2	100	0.00
55		Dibenzofuran	1.870	1.930	-3.2	82	0.00
56	P	4-Nitrophenol	0.244	0.241	1.2	77	0.00
57		2,4-Dinitrotoluene	0.340	0.396	-16.5	86	0.00
58		Fluorene	1.460	1.476	-1.1	80	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.469	-10.6	84	0.00
60		Diethylphthalate	1.563	1.507	3.6	76	0.00
61		4-Chlorophenyl-phenylether	0.820	0.840	-2.4	81	0.00
62		4-Nitroaniline	0.293	0.306	-4.4	78	0.00
63		Azobenzene	1.434	1.404	2.1	76	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	77	0.00
65		4,6-Dinitro-2-methylphenol	0.079	0.104	-31.6#	97	0.00
66	c	n-Nitrosodiphenylamine	0.540	0.582	-7.8	77	0.00
67		4-Bromophenyl-phenylether	0.237	0.262	-10.5	78	0.00
68		Hexachlorobenzene	0.270	0.300	-11.1	79	0.00
69		Atrazine	0.232	0.233	-0.4	73	0.00
70	C	Pentachlorophenol	0.169	0.189	-11.8	81	0.00
71		Phenanthrene	1.094	1.132	-3.5	75	0.00
72		Anthracene	1.113	1.125	-1.1	73	0.00
73		Carbazole	0.981	0.970	1.1	73	0.00
74		Di-n-butylphthalate	1.134	1.140	-0.5	71	0.00
75	C	Fluoranthene	1.370	1.343	2.0	72	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	78	0.00
77		Benzidine	0.448	0.509	-13.6	81	0.00
78		Pyrene	1.307	1.322	-1.1	73	0.00
79	S	Terphenyl-d14	1.060	1.074	-1.3	74	0.00
80		Butylbenzylphthalate	0.395	0.462	-17.0	80	0.00
81		Benzo(a)anthracene	1.326	1.395	-5.2	77	0.00
82		3,3'-Dichlorobenzidine	0.443	0.484	-9.3	80	0.00
83		Chrysene	1.262	1.298	-2.9	76	0.00
84		Bis(2-ethylhexyl)phthalate	0.590	0.671	-13.7	78	0.00
85	c	Di-n-octyl phthalate	0.995	1.203	-20.9#	87	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	85	0.00
87		Indeno(1,2,3-cd)pyrene	1.471	1.519	-3.3	82	-0.02
88		Benzo(b)fluoranthene	1.226	1.236	-0.8	79	0.00
89		Benzo(k)fluoranthene	1.227	1.235	-0.7	82	0.00
90	C	Benzo(a)pyrene	1.127	1.157	-2.7	82	-0.02
91		Dibenzo(a,h)anthracene	1.195	1.241	-3.8	83	-0.03
92		Benzo(g,h,i)perylene	1.471	1.519	-3.3	82	-0.02

Sample Results: **BG064618.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064618.D
Acq On : 29 Oct 2025 11:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

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

Sample Results: **BG064618.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064618.D
Acq On : 29 Oct 2025 11:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	91	0.00
2		1,4-Dioxane	40.000	42.495	-6.2	97	0.00
3		Pyridine	40.000	40.966	-2.4	89	0.00
4		n-Nitrosodimethylamine	40.000	40.532	-1.3	87	0.00
5	S	2-Fluorophenol	80.000	84.991	-6.2	89	0.00
6		Aniline	40.000	40.860	-2.1	87	0.00
7	S	Phenol-d6	80.000	81.009	-1.3	85	0.00
8		2-Chlorophenol	40.000	44.170	-10.4	91	0.00
9		Benzaldehyde	40.000	37.558	6.1	81	0.00
10	C	Phenol	40.000	40.664	-1.7	86	0.00
11		bis(2-Chloroethyl)ether	40.000	40.860	-2.1	87	0.00
12		1,3-Dichlorobenzene	40.000	43.073	-7.7	93	0.00
13	C	1,4-Dichlorobenzene	40.000	42.552	-6.4	92	0.00
14		1,2-Dichlorobenzene	40.000	43.105	-7.8	93	0.00
15		Benzyl Alcohol	40.000	42.201	-5.5	91	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	42.138	-5.3	90	0.00
17		2-Methylphenol	40.000	42.752	-6.9	88	0.00
18		Hexachloroethane	40.000	44.282	-10.7	95	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	43.275	-8.2	91	0.00
20		3+4-Methylphenols	40.000	41.279	-3.2	87	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	90	0.00
22		Acetophenone	40.000	42.523	-6.3	90	0.00
23	S	Nitrobenzene-d5	80.000	96.333	-20.4	96	0.00
24		Nitrobenzene	40.000	47.355	-18.4	95	0.00
25		Isophorone	40.000	41.695	-4.2	87	0.00
26	C	2-Nitrophenol	40.000	47.979	-19.9	111	0.00
27		2,4-Dimethylphenol	40.000	41.002	-2.5	84	0.00
28		bis(2-Chloroethoxy)methane	40.000	42.170	-5.4	89	0.00
29	C	2,4-Dichlorophenol	40.000	44.058	-10.1	88	0.00
30		1,2,4-Trichlorobenzene	40.000	43.927	-9.8	92	0.00
31		Naphthalene	40.000	41.819	-4.5	89	0.00
32		Benzoic acid	40.000	38.781	3.0	90	-0.03
33		4-Chloroaniline	40.000	40.373	-0.9	86	0.00
34	C	Hexachlorobutadiene	40.000	45.306	-13.3	97	0.00
35		Caprolactam	40.000	35.362	11.6	73	-0.03
36	C	4-Chloro-3-methylphenol	40.000	40.462	-1.2	83	0.00
37		2-Methylnaphthalene	40.000	41.085	-2.7	87	0.00
38		1-Methylnaphthalene	40.000	41.190	-3.0	87	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	83	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	44.962	-12.4	90	0.00
41	P	Hexachlorocyclopentadiene	40.000	52.985	-32.5#	103	0.00
42	S	2,4,6-Tribromophenol	80.000	86.403	-8.0	82	0.00
43	C	2,4,6-Trichlorophenol	40.000	47.391	-18.5	90	0.00
44		2,4,5-Trichlorophenol	40.000	44.415	-11.0	85	0.00
45	S	2-Fluorobiphenyl	80.000	89.318	-11.6	89	0.00
46		1,1'-Biphenyl	40.000	43.180	-7.9	86	0.00
47		2-Chloronaphthalene	40.000	43.804	-9.5	87	0.00

Sample Results: **BG064618.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064618.D
Acq On : 29 Oct 2025 11:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	42.351	-5.9	90	0.00
49		Acenaphthylene	40.000	41.830	-4.6	83	0.00
50		Dimethylphthalate	40.000	40.572	-1.4	79	0.00
51		2,6-Dinitrotoluene	40.000	43.351	-8.4	92	0.00
52	C	Acenaphthene	40.000	42.377	-5.9	84	0.00
53		3-Nitroaniline	40.000	43.773	-9.4	82	0.00
54	P	2,4-Dinitrophenol	40.000	44.922	-12.3	100	0.00
55		Dibenzofuran	40.000	41.281	-3.2	82	0.00
56	P	4-Nitrophenol	40.000	39.540	1.2	77	0.00
57		2,4-Dinitrotoluene	40.000	41.073	-2.7	86	0.00
58		Fluorene	40.000	40.432	-1.1	80	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	44.298	-10.7	84	0.00
60		Diethylphthalate	40.000	38.582	3.5	76	0.00
61		4-Chlorophenyl-phenylether	40.000	40.979	-2.4	81	0.00
62		4-Nitroaniline	40.000	41.786	-4.5	78	0.00
63		Azobenzene	40.000	39.183	2.0	76	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	77	0.00
65		4,6-Dinitro-2-methylphenol	40.000	47.448	-18.6	97	0.00
66	c	n-Nitrosodiphenylamine	40.000	43.085	-7.7	77	0.00
67		4-Bromophenyl-phenylether	40.000	44.163	-10.4	78	0.00
68		Hexachlorobenzene	40.000	44.415	-11.0	79	0.00
69		Atrazine	40.000	40.031	-0.1	73	0.00
70	C	Pentachlorophenol	40.000	44.939	-12.3	81	0.00
71		Phenanthrene	40.000	41.397	-3.5	75	0.00
72		Anthracene	40.000	40.436	-1.1	73	0.00
73		Carbazole	40.000	39.556	1.1	73	0.00
74		Di-n-butylphthalate	40.000	40.184	-0.5	71	0.00
75	C	Fluoranthene	40.000	39.193	2.0	72	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	78	0.00
77		Benzidine	40.000	45.404	-13.5	81	0.00
78		Pyrene	40.000	40.467	-1.2	73	0.00
79	S	Terphenyl-d14	80.000	81.066	-1.3	74	0.00
80		Butylbenzylphthalate	40.000	46.801	-17.0	80	0.00
81		Benzo(a)anthracene	40.000	42.093	-5.2	77	0.00
82		3,3'-Dichlorobenzidine	40.000	43.737	-9.3	80	0.00
83		Chrysene	40.000	41.154	-2.9	76	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	45.515	-13.8	78	0.00
85	c	Di-n-octyl phthalate	40.000	48.350	-20.9#	87	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	85	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.308	-3.3	82	-0.02
88		Benzo(b)fluoranthene	40.000	40.302	-0.8	79	0.00
89		Benzo(k)fluoranthene	40.000	40.260	-0.6	82	0.00
90	C	Benzo(a)pyrene	40.000	41.067	-2.7	82	-0.02
91		Dibenzo(a,h)anthracene	40.000	41.529	-3.8	83	-0.03
92		Benzo(g,h,i)perylene	40.000	41.308	-3.3	82	-0.02

Sample Results: **BG064618.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064618.D
Acq On : 29 Oct 2025 11:22
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 29 12:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

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

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

(#) = Out of Range SPCC's out = 0 CCC's out = 1

QC SAMPLE DATA

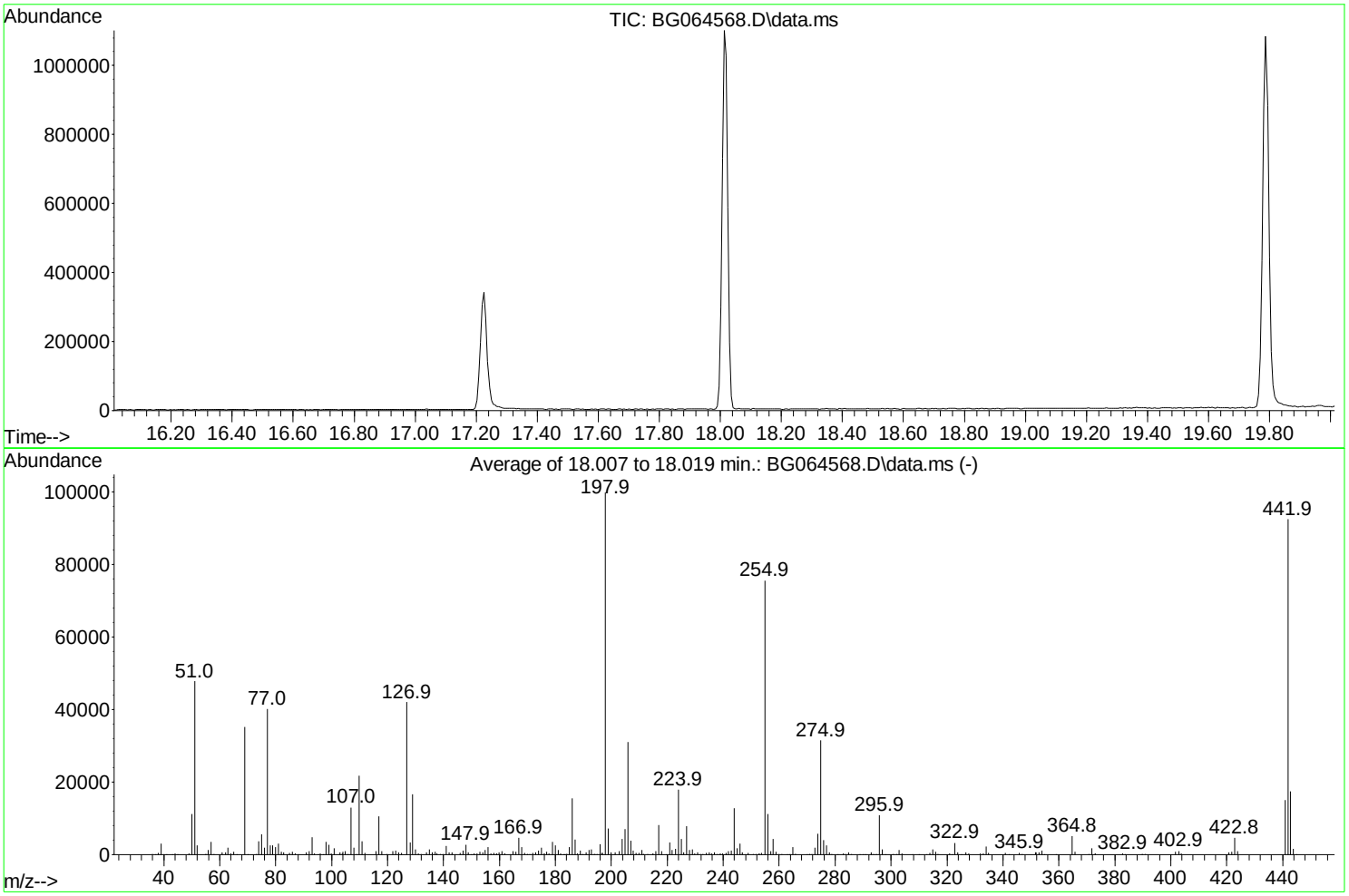
Sample Results: **BG064568.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025



AutoFind: Scans 2539, 2540, 2541; Background Corrected with Scan 2533

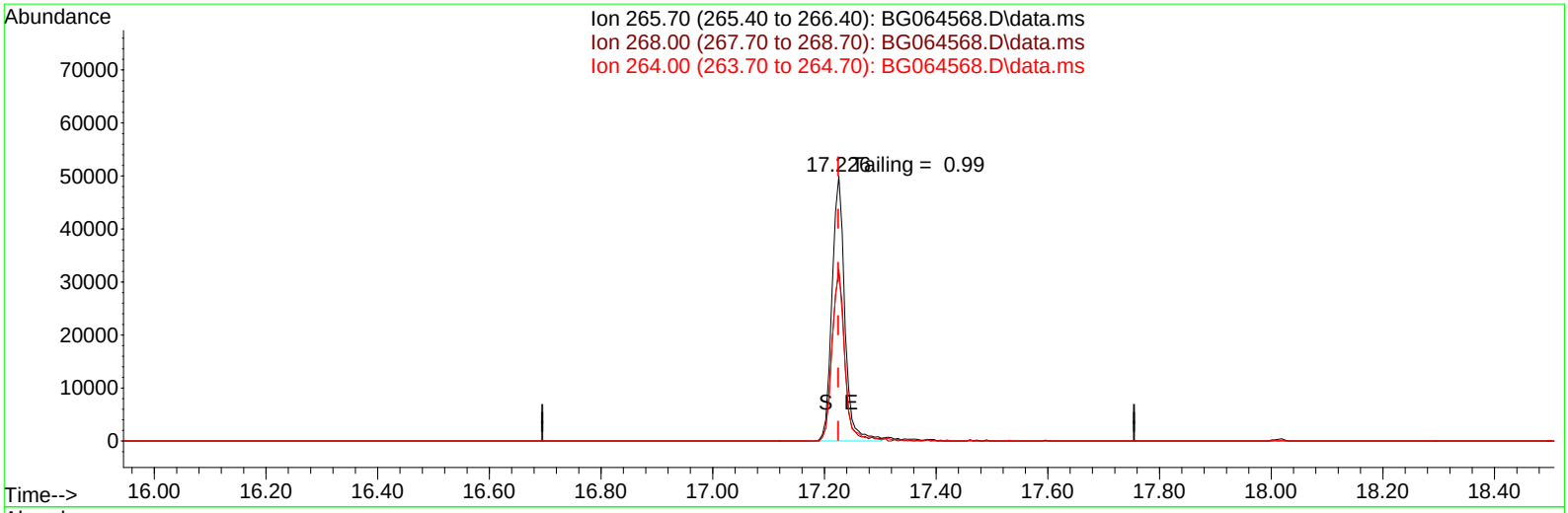
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	35203	PASS
70	69	0.00	2	0.2	70	PASS
197	198	0.00	2	0.4	428	PASS
198	198	100	100	100.0	99864	PASS
199	198	5	9	7.2	7222	PASS
365	198	1	100	5.1	5094	PASS
441	443	0.01	150	86.3	15073	PASS
442	442	100	100	100.0	92525	PASS
443	442	15	24	18.9	17468	PASS

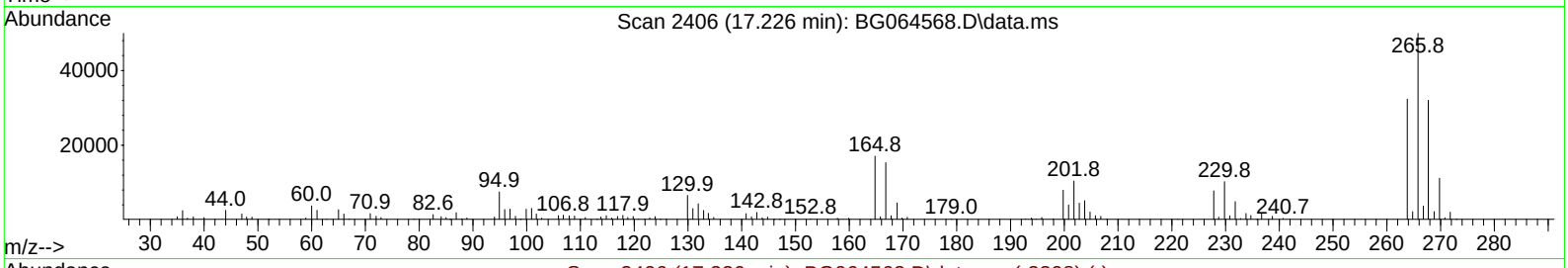
Sample Results: **BG064568.D**

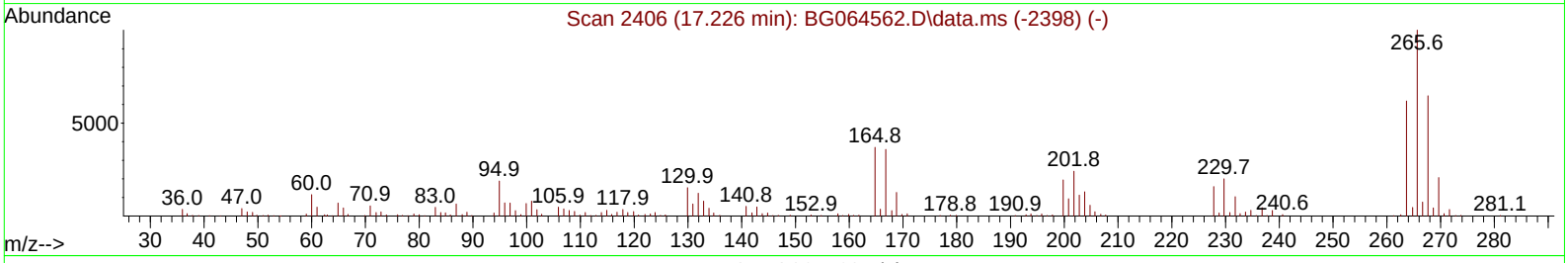
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 24 12:18:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 12:16:12 2025
Response via : Initial Calibration







TIC: BG064568.D\data.ms

(70) Pentachlorophenol (C)

17.226min (+ 0.001) 15878.32 ng

response 79720

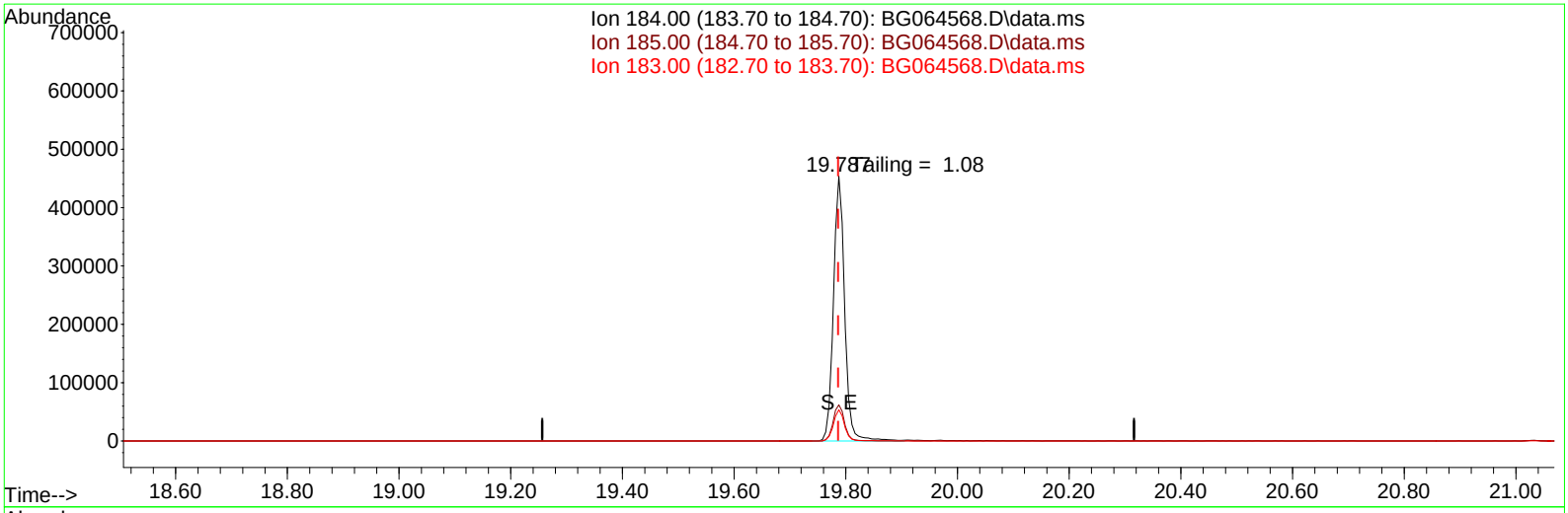
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	69.10	64.11
264.00	61.90	64.80
0.00	0.00	0.00

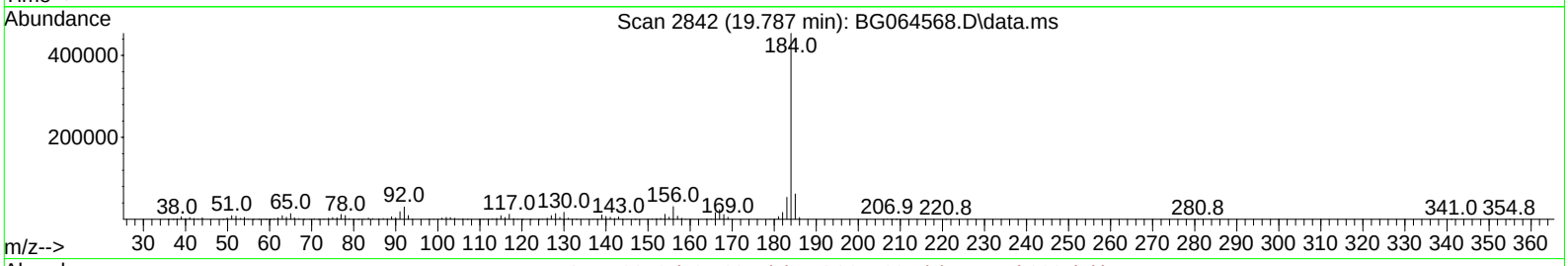
Sample Results: **BG064568.D**

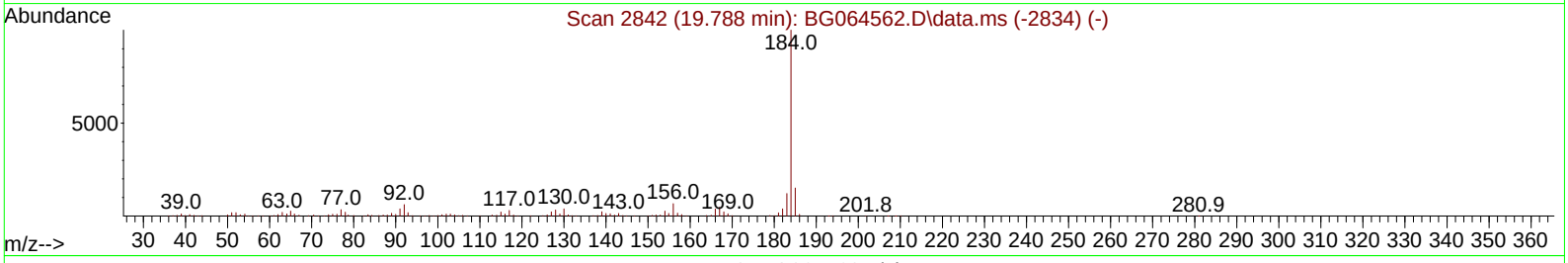
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 24 12:18:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 12:16:12 2025
Response via : Initial Calibration







TIC: BG064568.D\data.ms

(77) Benzidine

19.787min (+ 0.001) 0.00 ng

response 632825

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.00	13.68
183.00	12.10	11.84
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/24/2025	BNA_G	BG064568.D
Compound Name	**Response**	**Retention Time**
DDT	249894	21.033
DDD	4771	20.586
DDE	827	20.087
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
5598	255492	2.19

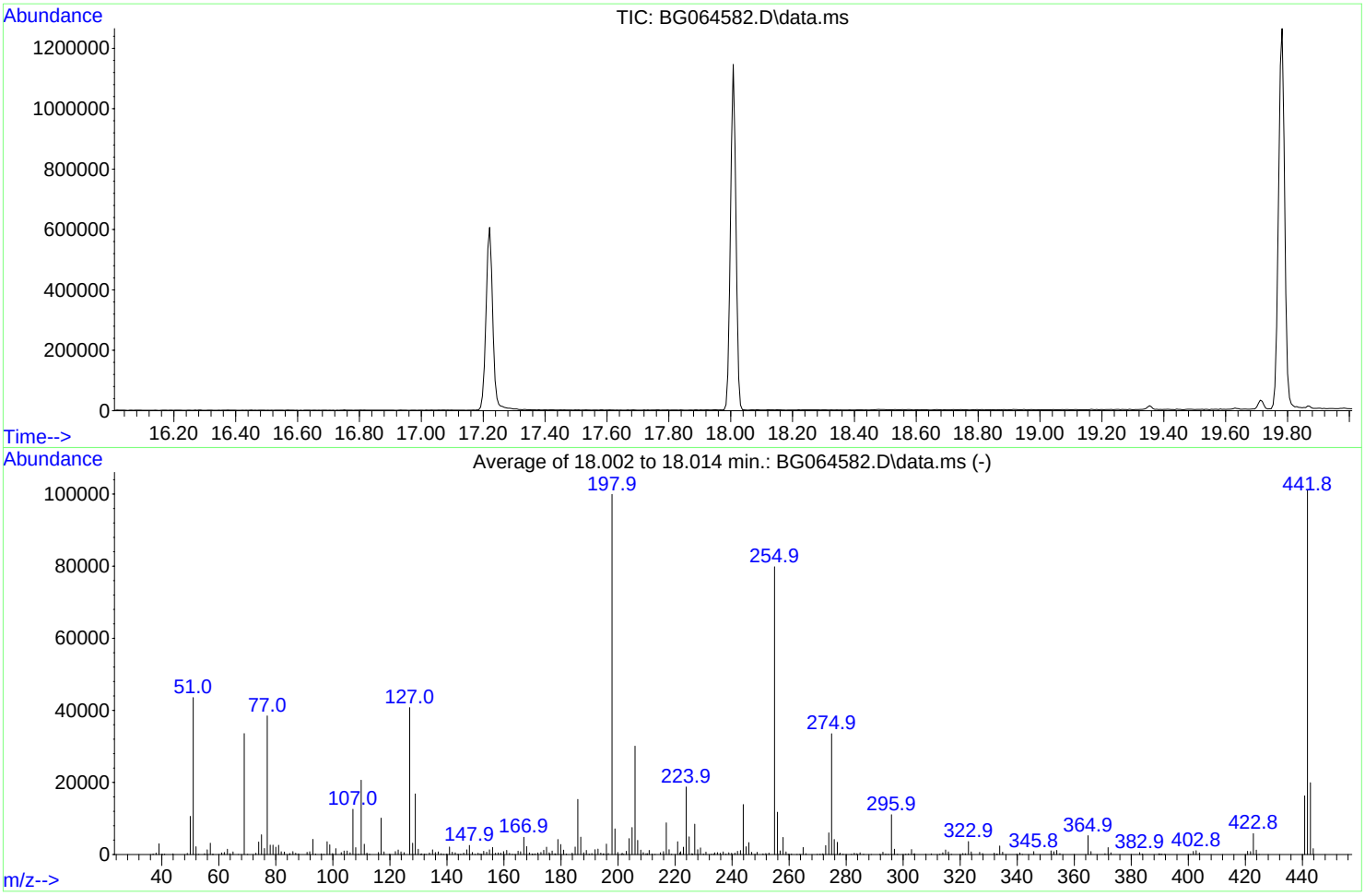
Sample Results: **BG064582.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064582.D
Acq On : 27 Oct 2025 11:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025



AutoFind: Scans 2538, 2539, 2540; Background Corrected with Scan 2531

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	33541	PASS
70	69	0.00	2	0.2	69	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	99925	PASS
199	198	5	9	7.1	7116	PASS
365	198	1	100	5.2	5240	PASS
441	443	0.01	150	81.8	16292	PASS
442	442	100	100	100.0	100981	PASS
443	442	15	24	19.7	19929	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/27/2025	BNA_G	BG064582.D
Compound Name	**Response**	**Retention Time**
DDT	310182	21.022
DDD	7570	20.576
DDE	57	19.706
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
7627	317809	2.40

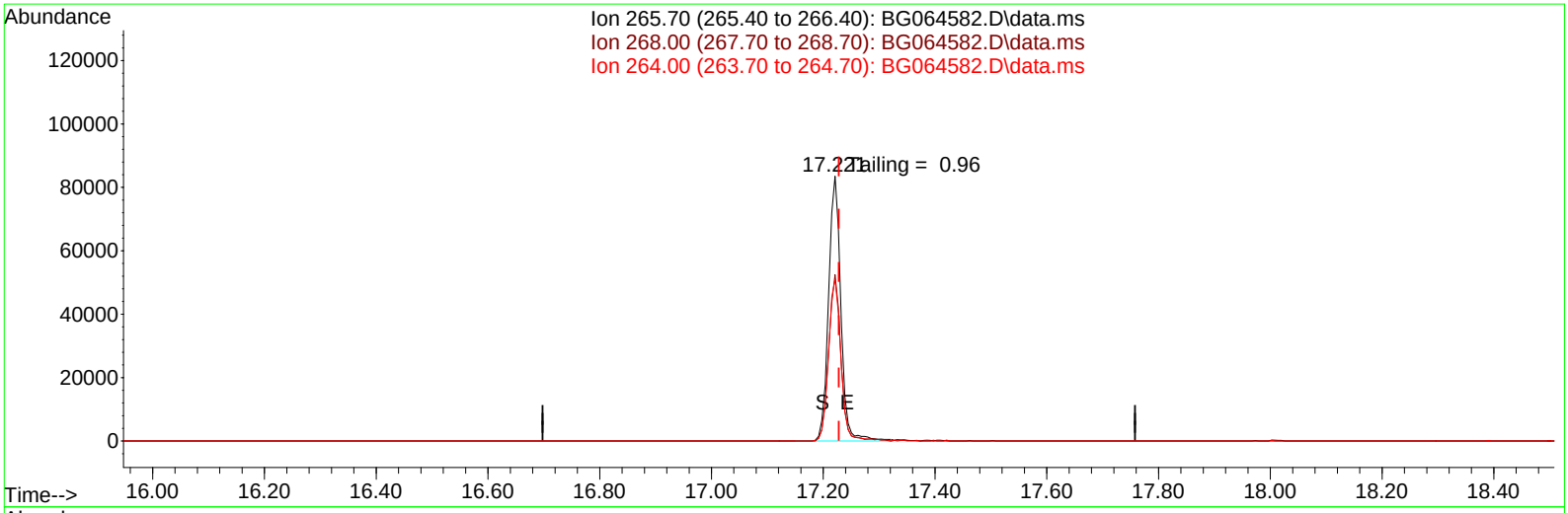
Instrument :
BNA_G
ClientSampleId :
DFTPP

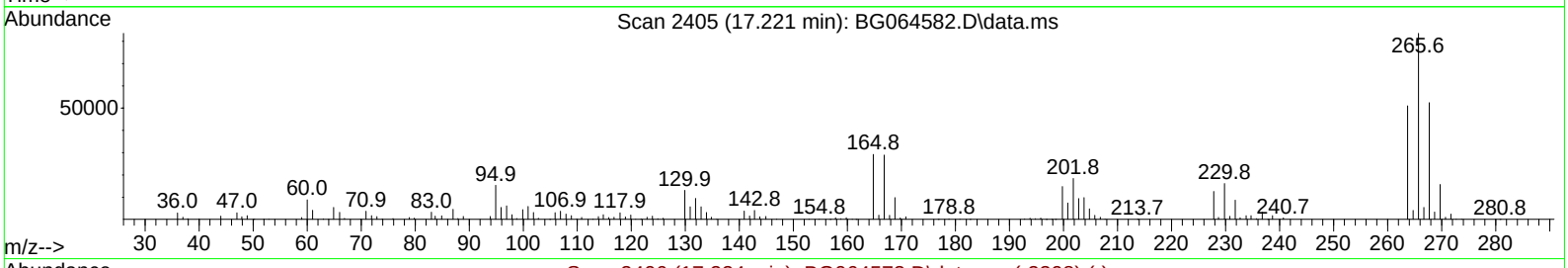
Sample Results: **BG064582.D**

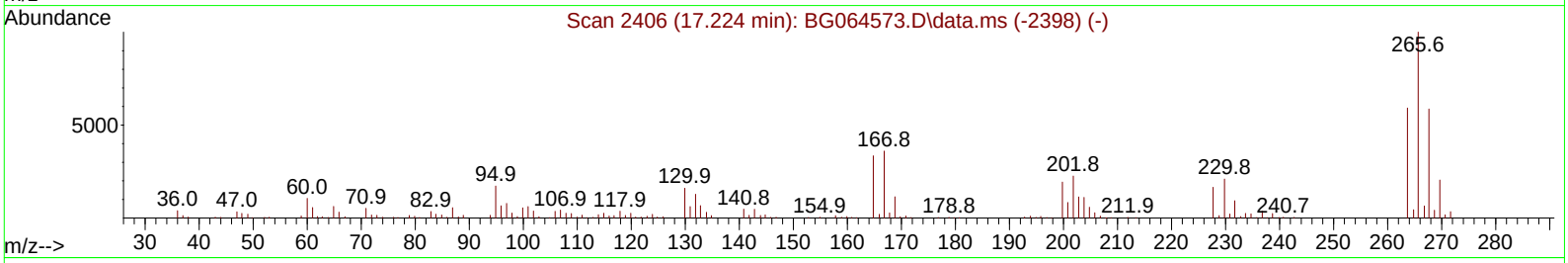
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064582.D
Acq On : 27 Oct 2025 11:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 27 11:58:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration







TIC: BG064582.D\data.ms

(70) Pentachlorophenol (C)

17.221min (-0.007) 22087.76 ng

response 128671

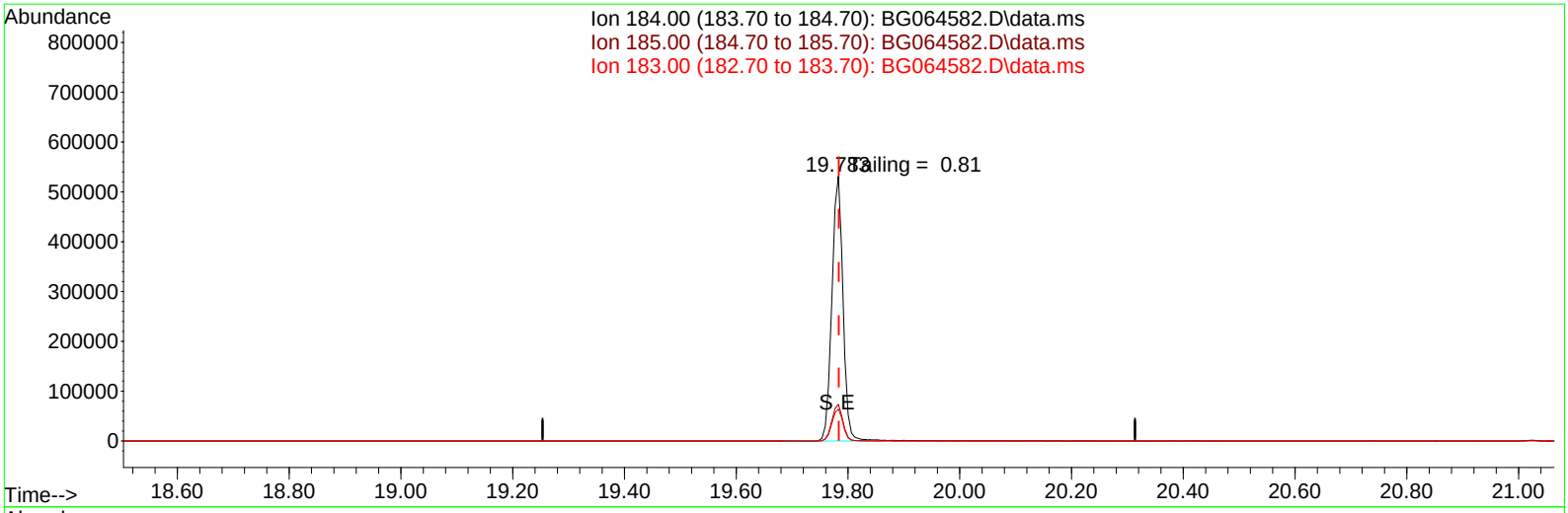
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.90	66.87
264.00	59.10	66.07
0.00	0.00	0.00

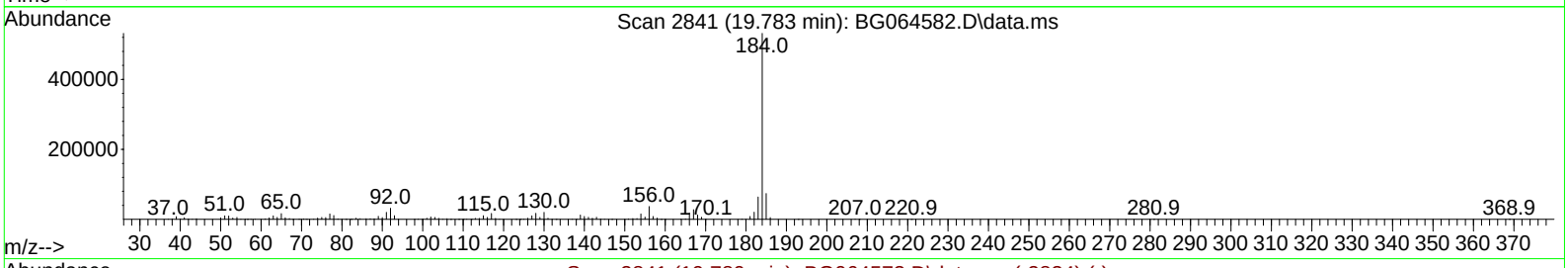
Sample Results: **BG064582.D**

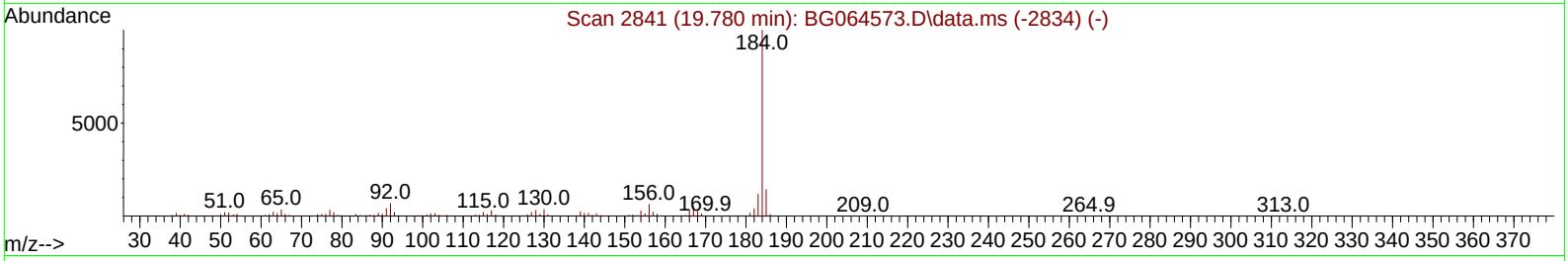
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064582.D
Acq On : 27 Oct 2025 11:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 27 11:58:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration







TIC: BG064582.D\data.ms

(77) Benzidine

19.783min (-0.001) 0.00 ng

response 736001

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	13.87
183.00	11.80	12.04
0.00	0.00	0.00

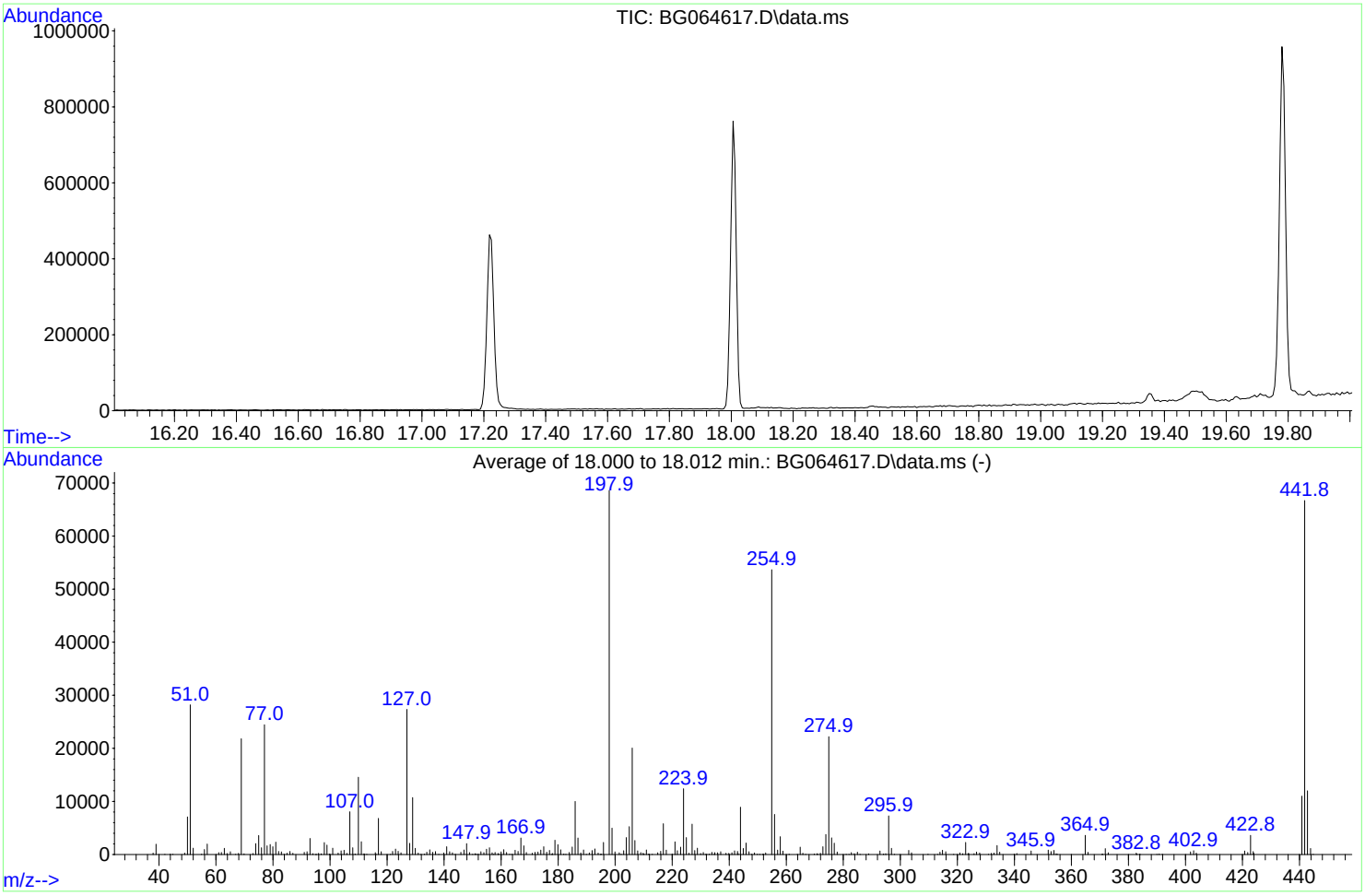
Sample Results: **BG064617.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064617.D
Acq On : 29 Oct 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025



AutoFind: Scans 2538, 2539, 2540; Background Corrected with Scan 2532

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.0	229	PASS
69	69	100	100	100.0	21821	PASS
70	69	0.00	2	0.6	135	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	68565	PASS
199	198	5	9	7.3	4984	PASS
365	198	1	100	5.3	3612	PASS
441	443	0.01	150	91.7	11008	PASS
442	442	100	100	100.0	66685	PASS
443	442	15	24	18.0	12010	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/29/2025	BNA_G	BG064617.D
Compound Name	**Response**	**Retention Time**
DDT	244663	21.026
DDD	3569	20.573
DDE	0	19.706
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
3569	248232	1.44

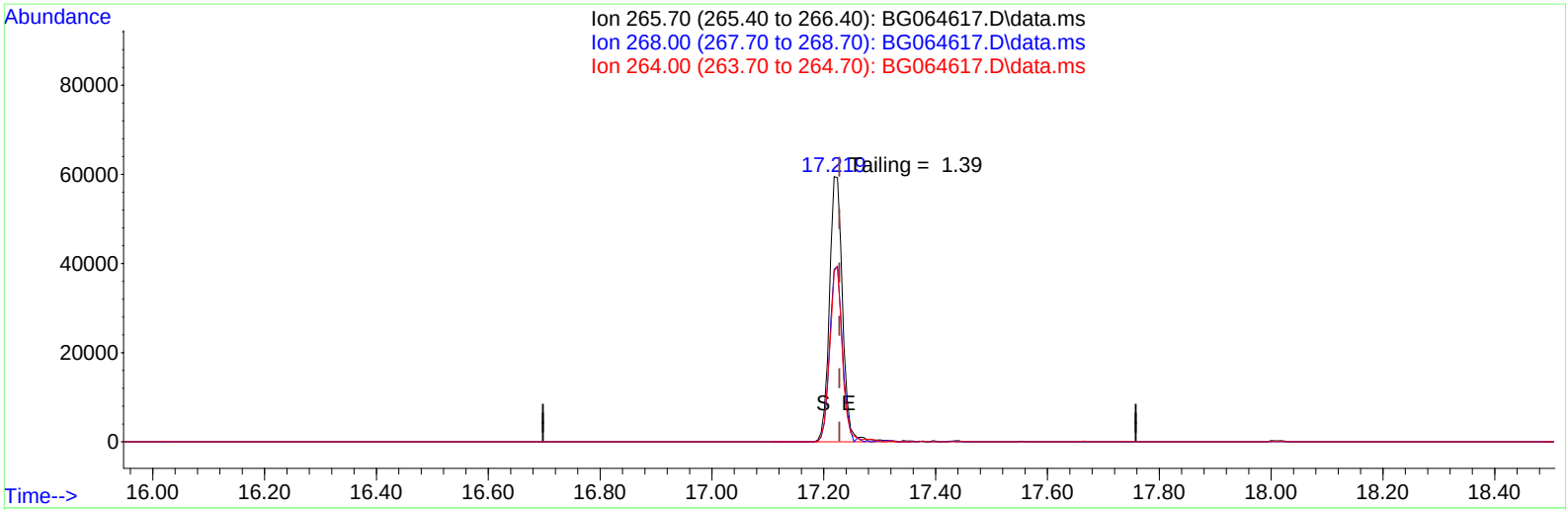
Instrument :
BNA_G
ClientSampleId :
DFTPP

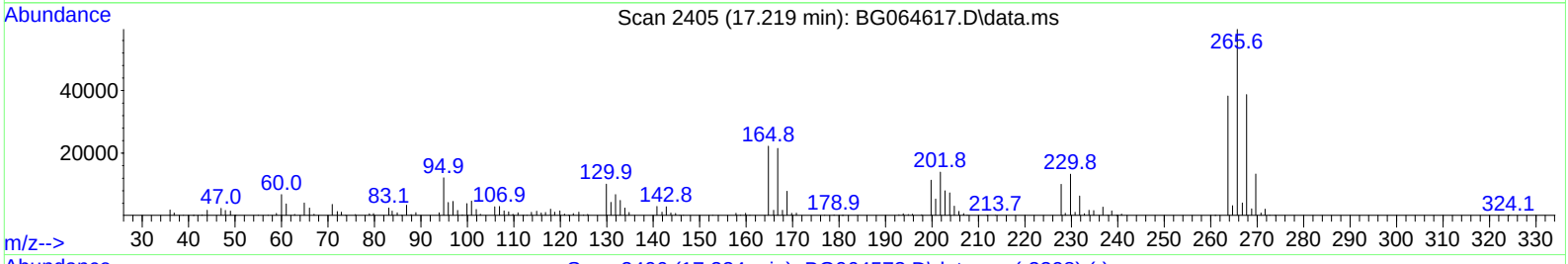
Sample Results: **BG064617.D**

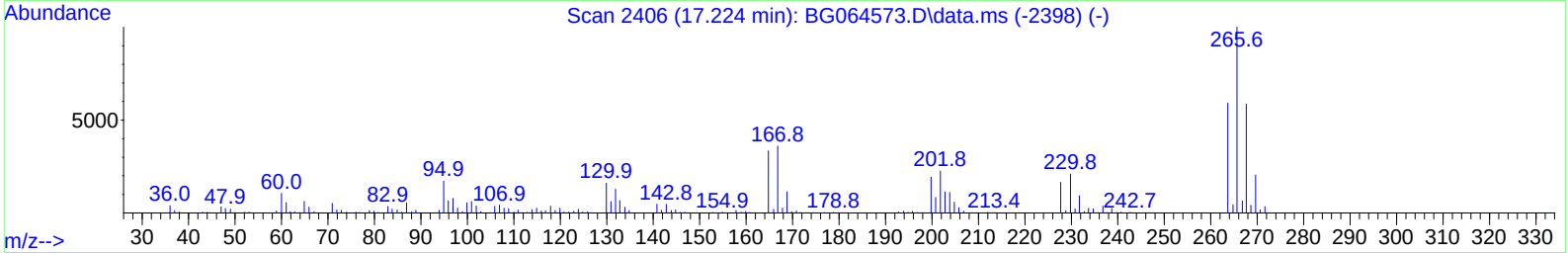
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064617.D
Acq On : 29 Oct 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 29 11:21:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration







TIC: BG064617.D\data.ms

(70) Pentachlorophenol (C)

17.219min (-0.009) 35052.04 ng

response 97221

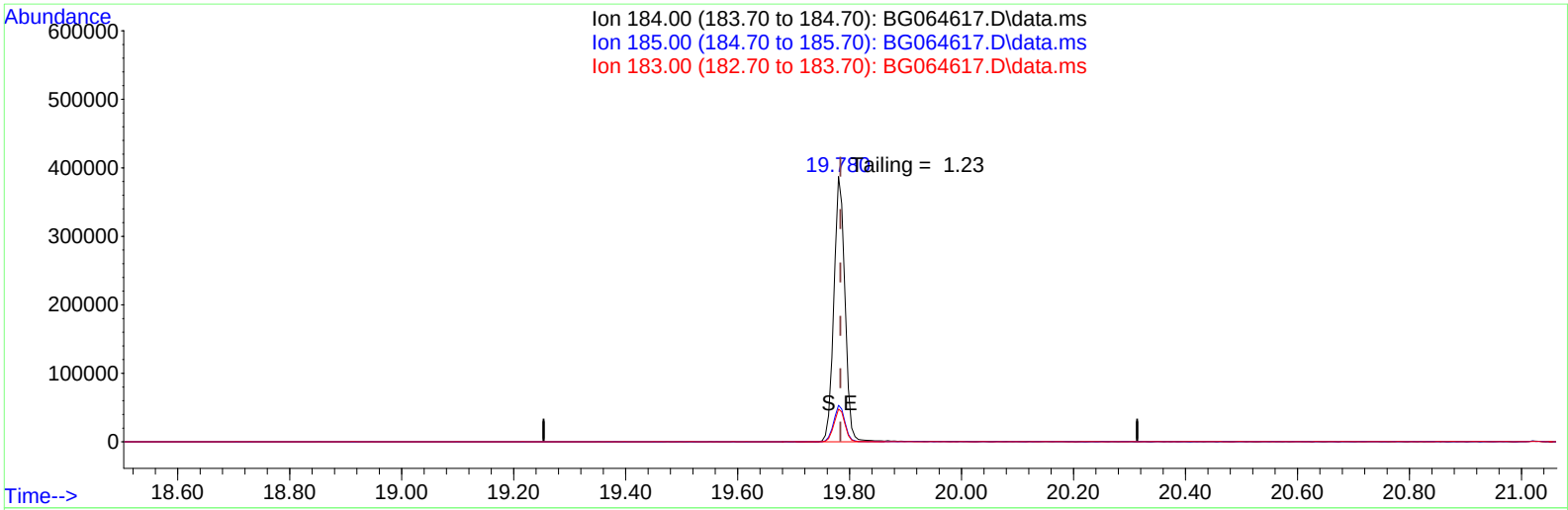
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.90	65.04
264.00	59.10	69.72
0.00	0.00	0.00

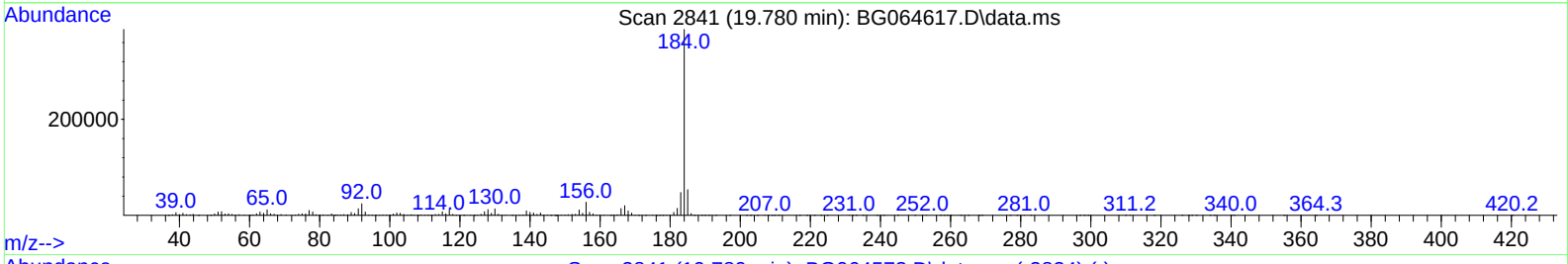
Sample Results: **BG064617.D**

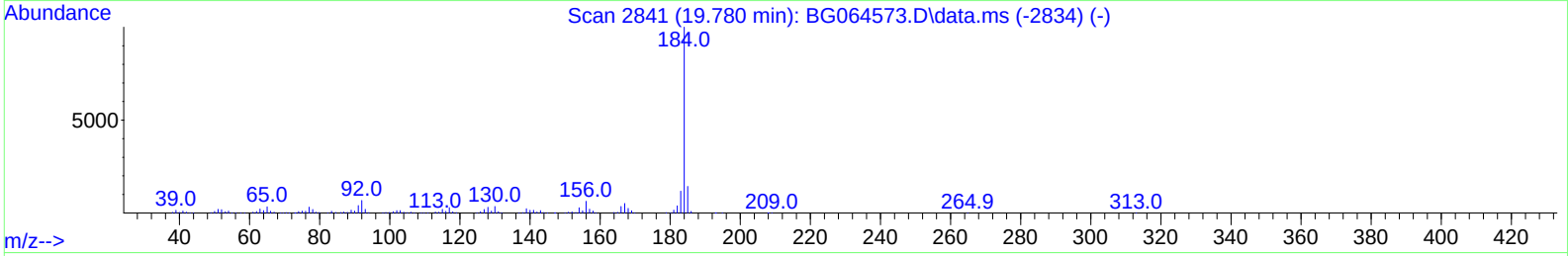
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064617.D
Acq On : 29 Oct 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 29 11:21:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration







TIC: BG064617.D\data.ms

(77) Benzidine

19.780min (-0.003) 345166.57 ng

response 533588

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	13.80
183.00	11.80	12.33
0.00	0.00	0.00

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170215BL	SDG No.:	Q3422
Lab Sample ID:	PB170215BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	330	U	1	160	330	ug/Kg	10/29/25 13:25	PB170215
108-95-2	Phenol	170	U	1	22.1	170	ug/Kg	10/29/25 13:25	PB170215
111-44-4	bis(2-Chloroethyl)ether	170	U	1	24.3	170	ug/Kg	10/29/25 13:25	PB170215
95-57-8	2-Chlorophenol	170	U	1	24.4	170	ug/Kg	10/29/25 13:25	PB170215
95-48-7	2-Methylphenol	170	U	1	29.9	170	ug/Kg	10/29/25 13:25	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	1	37.5	170	ug/Kg	10/29/25 13:25	PB170215
98-86-2	Acetophenone	170	U	1	29.5	170	ug/Kg	10/29/25 13:25	PB170215
65794-96-9	3+4-Methylphenols	330	U	1	41.1	330	ug/Kg	10/29/25 13:25	PB170215
621-64-7	n-Nitroso-di-n-propylamine	80.0	U	1	47.4	80.0	ug/Kg	10/29/25 13:25	PB170215
67-72-1	Hexachloroethane	170	U	1	17.6	170	ug/Kg	10/29/25 13:25	PB170215
98-95-3	Nitrobenzene	170	U	1	18.3	170	ug/Kg	10/29/25 13:25	PB170215
78-59-1	Isophorone	170	U	1	32.8	170	ug/Kg	10/29/25 13:25	PB170215
88-75-5	2-Nitrophenol	170	U	1	58.2	170	ug/Kg	10/29/25 13:25	PB170215
105-67-9	2,4-Dimethylphenol	170	U	1	64.8	170	ug/Kg	10/29/25 13:25	PB170215
111-91-1	bis(2-Chloroethoxy)methane	170	U	1	30.8	170	ug/Kg	10/29/25 13:25	PB170215
120-83-2	2,4-Dichlorophenol	170	U	1	28.3	170	ug/Kg	10/29/25 13:25	PB170215
91-20-3	Naphthalene	170	U	1	22.7	170	ug/Kg	10/29/25 13:25	PB170215
106-47-8	4-Chloroaniline	170	U	1	35.4	170	ug/Kg	10/29/25 13:25	PB170215
87-68-3	Hexachlorobutadiene	170	U	1	25.3	170	ug/Kg	10/29/25 13:25	PB170215
105-60-2	Caprolactam	330	U	1	52.1	330	ug/Kg	10/29/25 13:25	PB170215
59-50-7	4-Chloro-3-methylphenol	170	U	1	28.7	170	ug/Kg	10/29/25 13:25	PB170215
91-57-6	2-Methylnaphthalene	170	U	1	25.6	170	ug/Kg	10/29/25 13:25	PB170215
77-47-4	Hexachlorocyclopentadiene	330	U	1	120	330	ug/Kg	10/29/25 13:25	PB170215
88-06-2	2,4,6-Trichlorophenol	170	U	1	19.8	170	ug/Kg	10/29/25 13:25	PB170215
95-95-4	2,4,5-Trichlorophenol	170	U	1	29.1	170	ug/Kg	10/29/25 13:25	PB170215
92-52-4	1,1-Biphenyl	170	U	1	21.8	170	ug/Kg	10/29/25 13:25	PB170215
91-58-7	2-Chloronaphthalene	170	U	1	22.5	170	ug/Kg	10/29/25 13:25	PB170215
88-74-4	2-Nitroaniline	170	U	1	48.1	170	ug/Kg	10/29/25 13:25	PB170215
131-11-3	Dimethylphthalate	170	U	1	27.1	170	ug/Kg	10/29/25 13:25	PB170215
208-96-8	Acenaphthylene	170	U	1	28.9	170	ug/Kg	10/29/25 13:25	PB170215
606-20-2	2,6-Dinitrotoluene	170	U	1	33.6	170	ug/Kg	10/29/25 13:25	PB170215
99-09-2	3-Nitroaniline	170	U	1	46.0	170	ug/Kg	10/29/25 13:25	PB170215
83-32-9	Acenaphthene	170	U	1	21.3	170	ug/Kg	10/29/25 13:25	PB170215
51-28-5	2,4-Dinitrophenol	330	U	1	230	330	ug/Kg	10/29/25 13:25	PB170215
100-02-7	4-Nitrophenol	330	U	1	110	330	ug/Kg	10/29/25 13:25	PB170215
132-64-9	Dibenzofuran	170	U	1	22.7	170	ug/Kg	10/29/25 13:25	PB170215
121-14-2	2,4-Dinitrotoluene	170	U	1	50.1	170	ug/Kg	10/29/25 13:25	PB170215
84-66-2	Diethylphthalate	170	U	1	28.3	170	ug/Kg	10/29/25 13:25	PB170215
7005-72-3	4-Chlorophenyl-phenylether	170	U	1	26.7	170	ug/Kg	10/29/25 13:25	PB170215
86-73-7	Fluorene	170	U	1	25.3	170	ug/Kg	10/29/25 13:25	PB170215
100-01-6	4-Nitroaniline	170	U	1	64.2	170	ug/Kg	10/29/25 13:25	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	330	U	1	100	330	ug/Kg	10/29/25 13:25	PB170215

Raw Data: **BG064621.D**

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

Report of Analysis

Client:	AECOM			Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206			Date Received:	
Client Sample ID:	PB170215BL			SDG No.:	Q3422
Lab Sample ID:	PB170215BL			Matrix:	SOIL
Analytical Method:	8270E	Level : LOW		% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol: 1000 uL		Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Prep Date: 10/23/25			

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	170	U	1	32.9	170	ug/Kg	10/29/25 13:25	PB170215
101-55-3	4-Bromophenyl-phenylether	170	U	1	27.8	170	ug/Kg	10/29/25 13:25	PB170215
118-74-1	Hexachlorobenzene	170	U	1	25.3	170	ug/Kg	10/29/25 13:25	PB170215
1912-24-9	Atrazine	170	U	1	34.0	170	ug/Kg	10/29/25 13:25	PB170215
87-86-5	Pentachlorophenol	330	U	1	51.3	330	ug/Kg	10/29/25 13:25	PB170215
85-01-8	Phenanthrene	170	U	1	20.9	170	ug/Kg	10/29/25 13:25	PB170215
120-12-7	Anthracene	170	U	1	33.3	170	ug/Kg	10/29/25 13:25	PB170215
86-74-8	Carbazole	170	U	1	31.2	170	ug/Kg	10/29/25 13:25	PB170215
84-74-2	Di-n-butylphthalate	170	U	1	47.9	170	ug/Kg	10/29/25 13:25	PB170215
206-44-0	Fluoranthene	170	U	1	30.0	170	ug/Kg	10/29/25 13:25	PB170215
129-00-0	Pyrene	170	U	1	36.0	170	ug/Kg	10/29/25 13:25	PB170215
85-68-7	Butylbenzylphthalate	170	U	1	71.4	170	ug/Kg	10/29/25 13:25	PB170215
91-94-1	3,3-Dichlorobenzidine	330	U	1	36.7	330	ug/Kg	10/29/25 13:25	PB170215
56-55-3	Benzo(a)anthracene	170	U	1	23.0	170	ug/Kg	10/29/25 13:25	PB170215
218-01-9	Chrysene	170	U	1	19.9	170	ug/Kg	10/29/25 13:25	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	1	59.2	170	ug/Kg	10/29/25 13:25	PB170215
117-84-0	Di-n-octyl phthalate	330	U	1	86.8	330	ug/Kg	10/29/25 13:25	PB170215
205-99-2	Benzo(b)fluoranthene	170	U	1	19.0	170	ug/Kg	10/29/25 13:25	PB170215
207-08-9	Benzo(k)fluoranthene	170	U	1	22.4	170	ug/Kg	10/29/25 13:25	PB170215
50-32-8	Benzo(a)pyrene	170	U	1	29.5	170	ug/Kg	10/29/25 13:25	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	1	29.1	170	ug/Kg	10/29/25 13:25	PB170215
53-70-3	Dibenzo(a,h)anthracene	170	U	1	27.4	170	ug/Kg	10/29/25 13:25	PB170215
191-24-2	Benzo(g,h,i)perylene	170	U	1	25.7	170	ug/Kg	10/29/25 13:25	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	1	25.6	170	ug/Kg	10/29/25 13:25	PB170215
123-91-1	1,4-Dioxane	170	U	1	45.2	170	ug/Kg	10/29/25 13:25	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1	27.4	170	ug/Kg	10/29/25 13:25	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	139			18 - 112	92%	SPK: 150		
13127-88-3	Phenol-d6	139			15 - 107	92%	SPK: 150		
4165-60-0	Nitrobenzene-d5	110	*		18 - 107	110%	SPK: 100		
321-60-8	2-Fluorobiphenyl	96.8			20 - 109	97%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	161			10 - 116	108%	SPK: 150		
1718-51-0	Terphenyl-d14	90.8			10 - 105	91%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	34000							
1146-65-2	Naphthalene-d8	131000							
15067-26-2	Acenaphthene-d10	98300							
1517-22-2	Phenanthrene-d10	248000							
1719-03-5	Chrysene-d12	318000							
1520-96-3	Perylene-d12	369000							

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

Report of Analysis

Client:	AECOM			Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206			Date Received:	
Client Sample ID:	PB170215BL			SDG No.:	Q3422
Lab Sample ID:	PB170215BL			Matrix:	SOIL
Analytical Method:	8270E	Level :	LOW	% Solid:	100
Sample Wt/Vol:	30.01 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Prep Date:	10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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_G\Data\BG102925\
Data File : BG064621.D
Acq On : 29 Oct 2025 13:25
Operator : RC/JU
Sample : PB170215BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170215BL

Quant Time: Oct 29 14:03:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

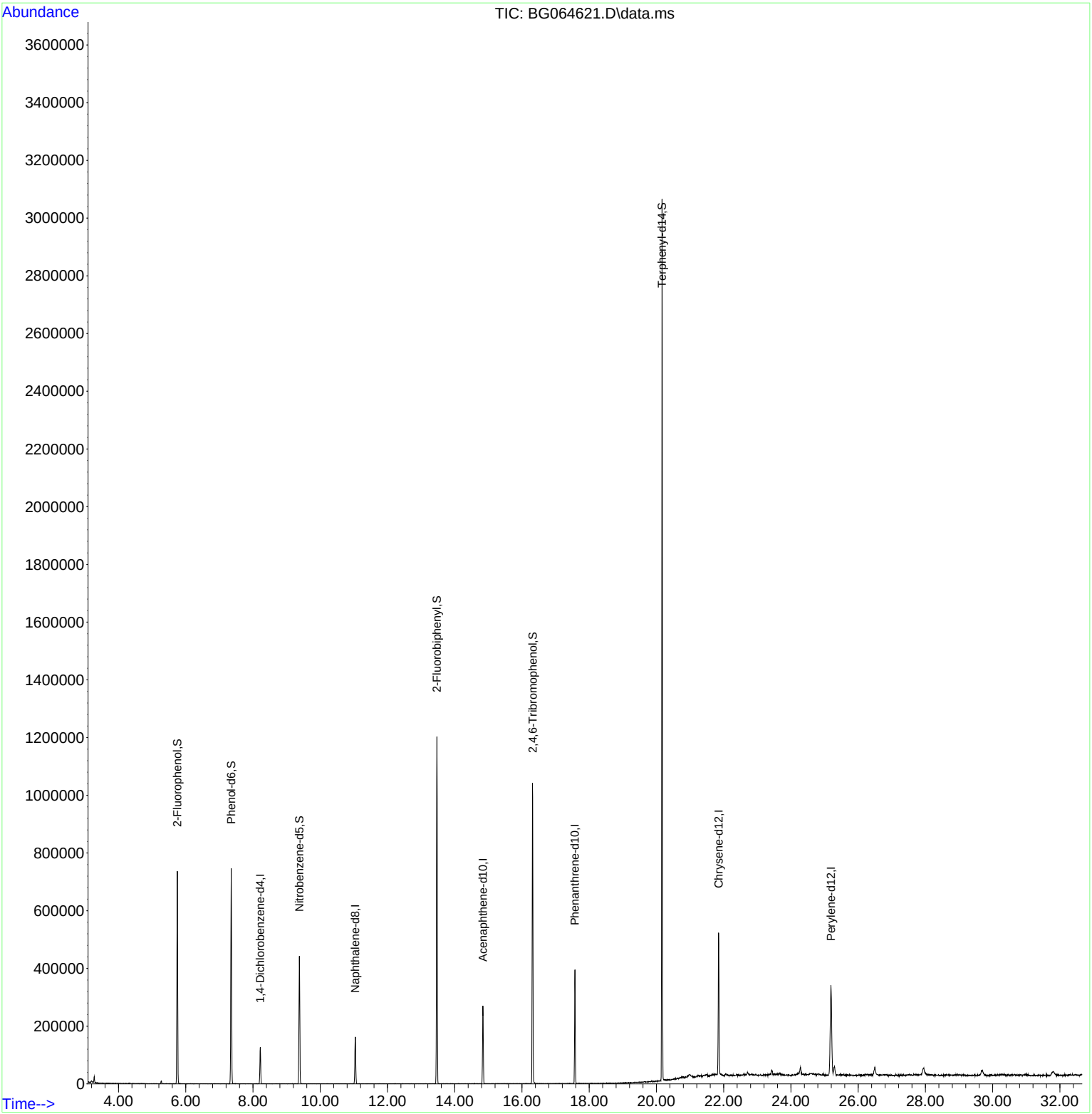
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.216	152	33974	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	131027	20.000	ng	0.00
39) Acenaphthene-d10	14.838	164	98338	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	248117	20.000	ng	0.00
76) Chrysene-d12	21.848	240	318243	20.000	ng	-0.02
86) Perylene-d12	25.191	264	369003	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	280581	138.622	ng	0.00
7) Phenol-d6	7.353	99	385276	138.716	ng	0.00
23) Nitrobenzene-d5	9.380	82	240197	110.106	ng	-0.01
42) 2,4,6-Tribromophenol	16.319	330	229169	161.465	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	628128	96.817	ng	0.00
79) Terphenyl-d14	20.167	244	1531012	90.788	ng	0.00
Target Compounds						Qvalue

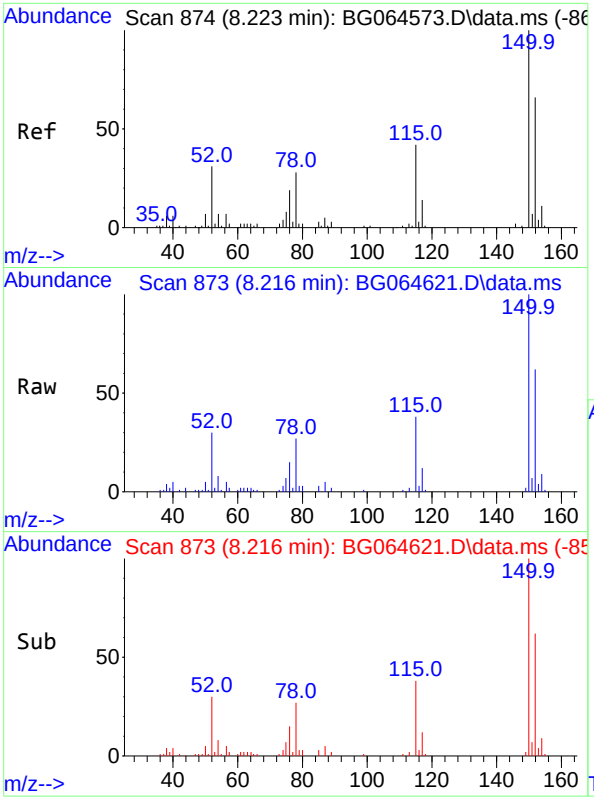
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064621.D
Acq On : 29 Oct 2025 13:25
Operator : RC/JU
Sample : PB170215BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170215BL

Quant Time: Oct 29 14:03:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



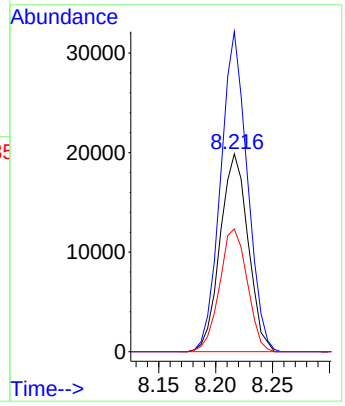


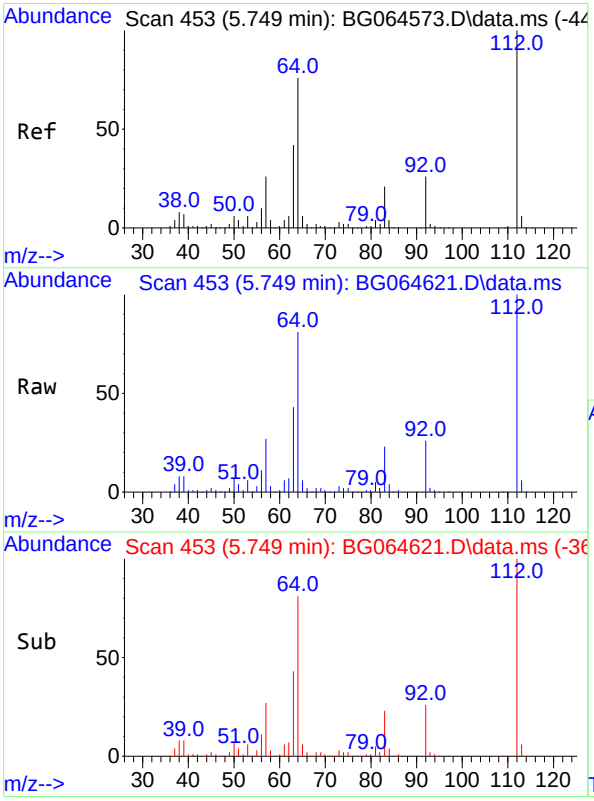
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.216 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

Instrument :
BNA_G
ClientSampleId :
PB170215BL

Tgt Ion:152 Resp: 33974

Ion	Ratio	Lower	Upper
152	100		
150	161.9	122.2	183.4
115	62.1	50.8	76.2

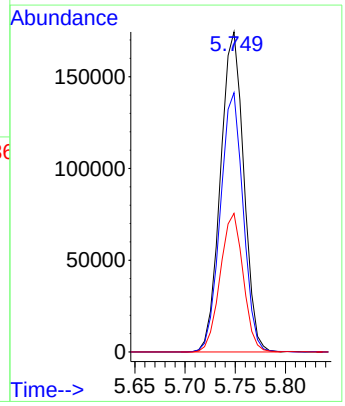


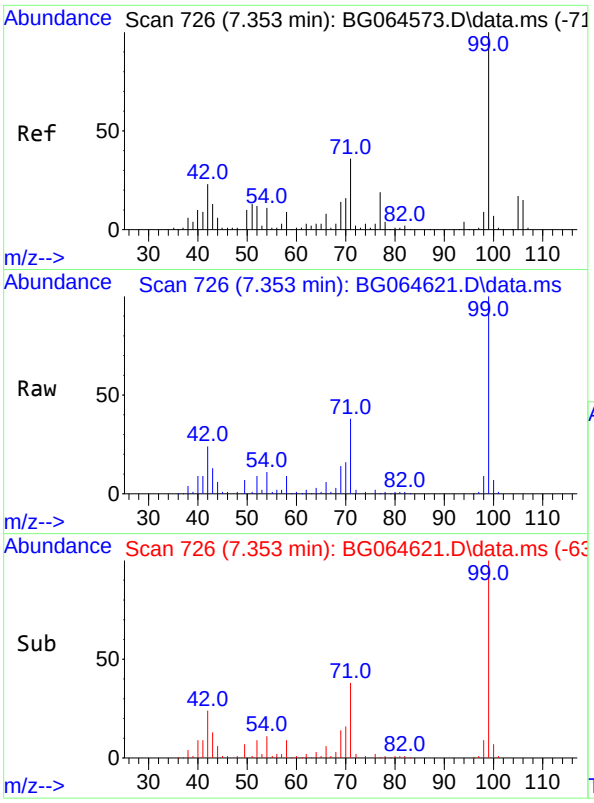


#5
2-Fluorophenol
Concen: 138.622 ng
RT: 5.749 min Scan# 453
Delta R.T. 0.002 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

Tgt Ion:112 Resp: 280581

Ion	Ratio	Lower	Upper
112	100		
64	81.0	60.7	91.1
63	43.3	33.4	50.0



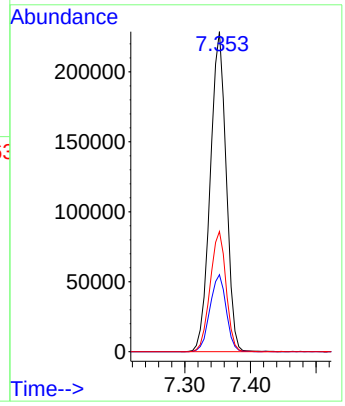


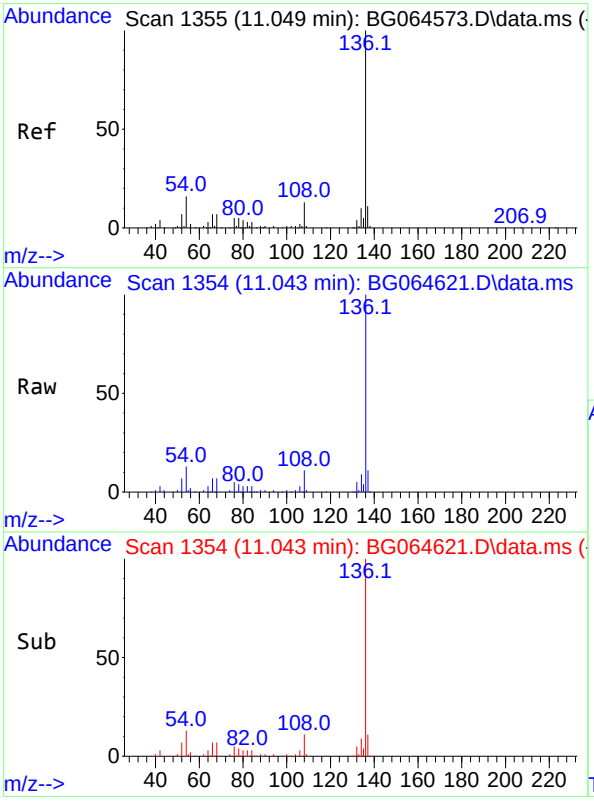
#7
Phenol-d6
Concen: 138.716 ng
RT: 7.353 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

Instrument :
BNA_G
ClientSampleId :
PB170215BL

Tgt Ion: 99 Resp: 385276

Ion	Ratio	Lower	Upper
99	100		
42	24.1	18.3	27.5
71	37.5	28.6	43.0

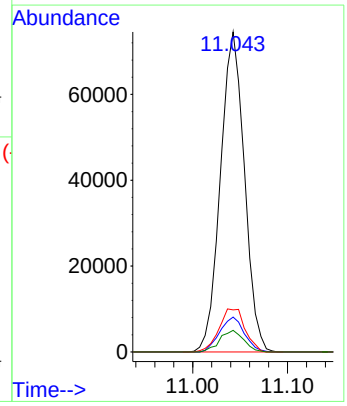


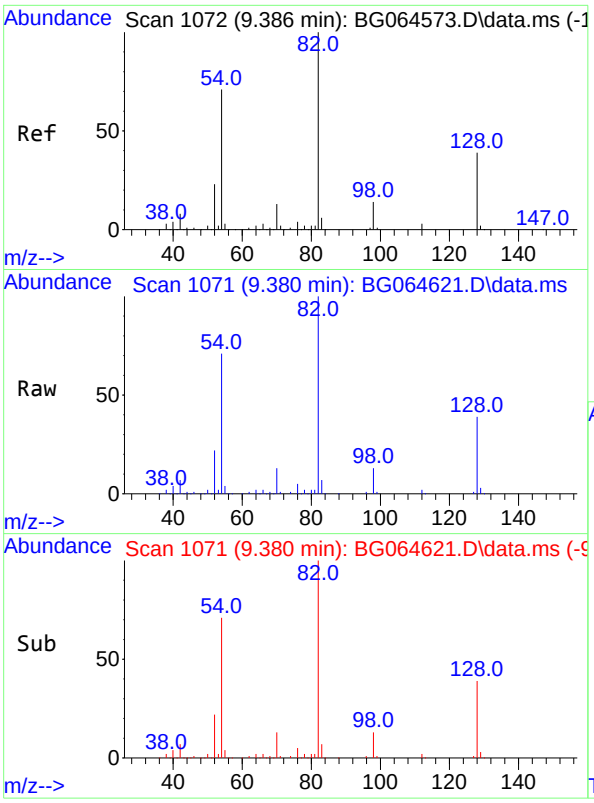


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1354
Delta R.T. -0.010 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

Tgt Ion:136 Resp: 131027

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	13.2	12.6	19.0
68	6.7	5.7	8.5



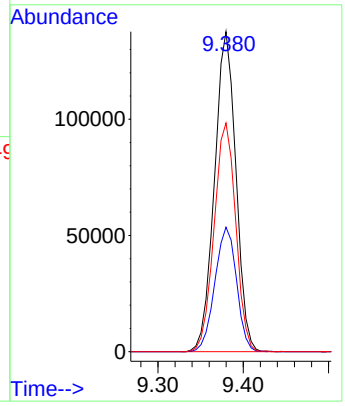


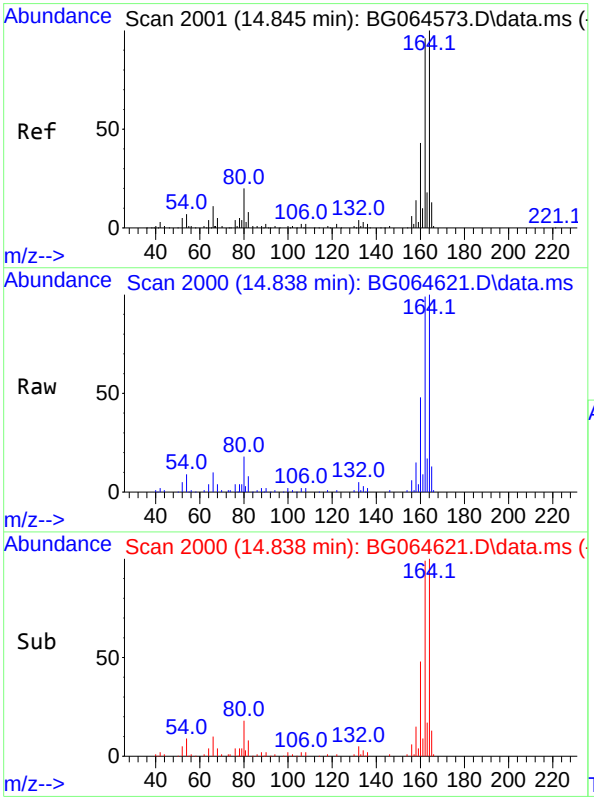
#23
Nitrobenzene-d5
Concen: 110.106 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

Instrument :
BNA_G
ClientSampleId :
PB170215BL

Tgt Ion: 82 Resp: 240197

Ion	Ratio	Lower	Upper
82	100		
128	38.9	31.3	46.9
54	71.4	56.6	84.8

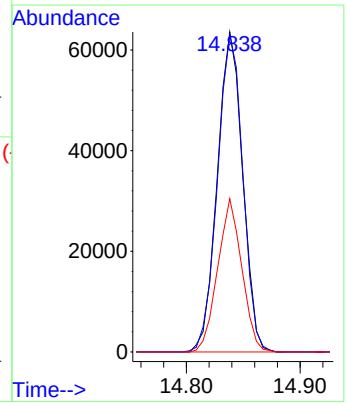


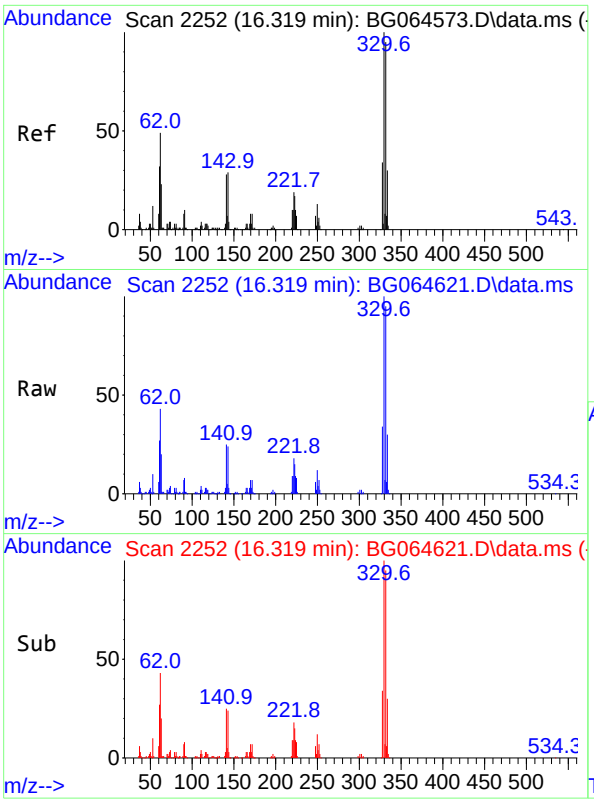


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.004 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

Tgt Ion:164 Resp: 98338

Ion	Ratio	Lower	Upper
164	100		
162	99.3	77.0	115.6
160	47.9	34.4	51.6



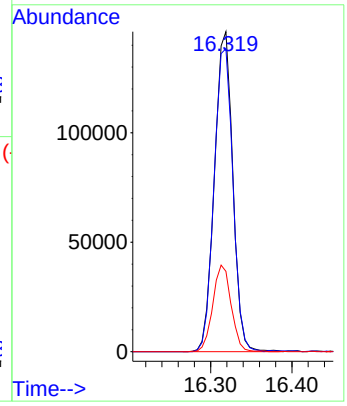


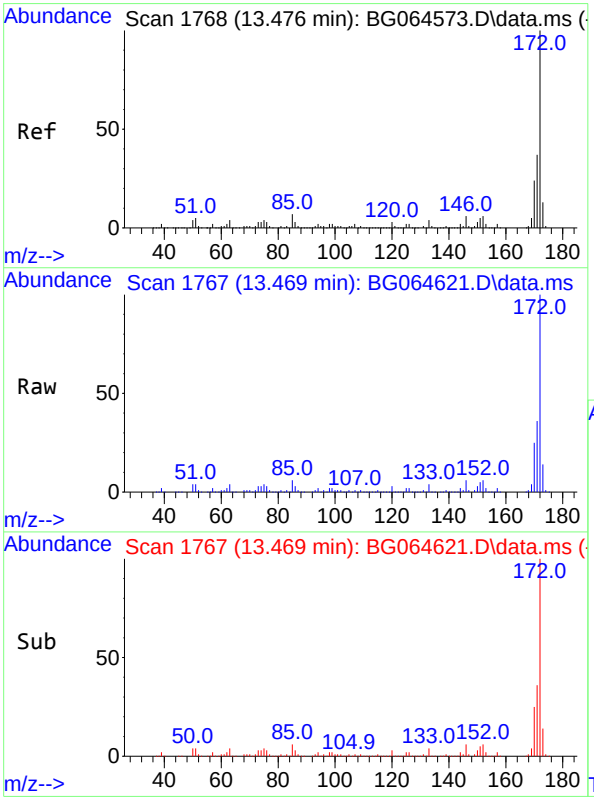
#42
2,4,6-Tribromophenol
Concen: 161.465 ng
RT: 16.319 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

Instrument :
BNA_G
ClientSampleId :
PB170215BL

Tgt Ion:330 Resp: 229169

Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.0	117.0
141	27.1	21.8	32.6

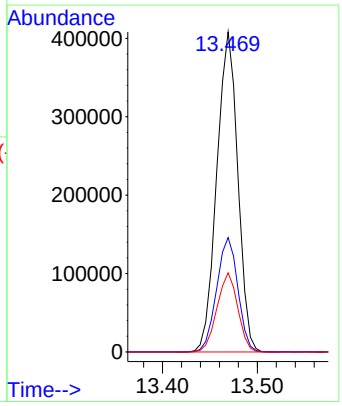


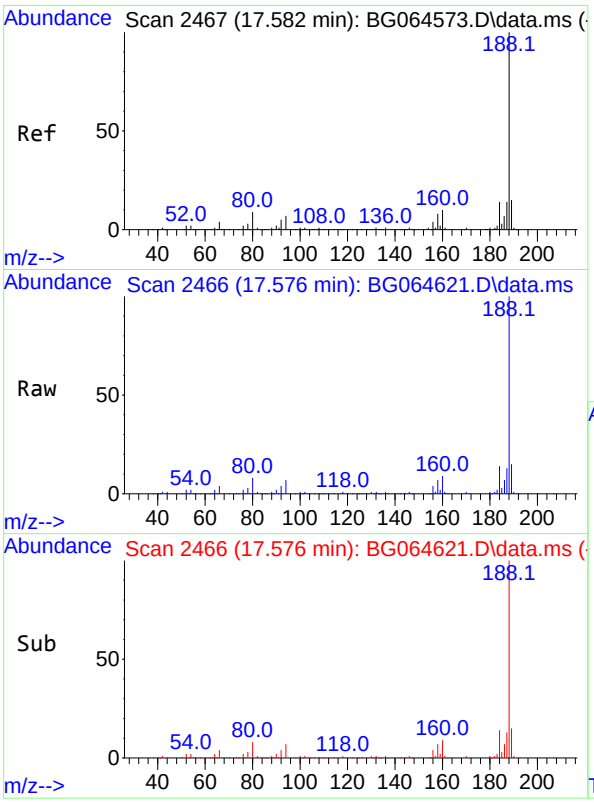


#45
2-Fluorobiphenyl
Concen: 96.817 ng
RT: 13.469 min Scan# 1767
Delta R.T. -0.010 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

Tgt Ion:172 Resp: 628128

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.0
170	24.8	19.1	28.7



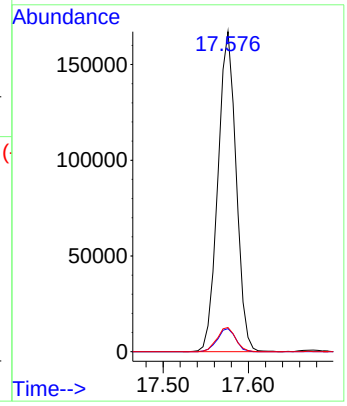


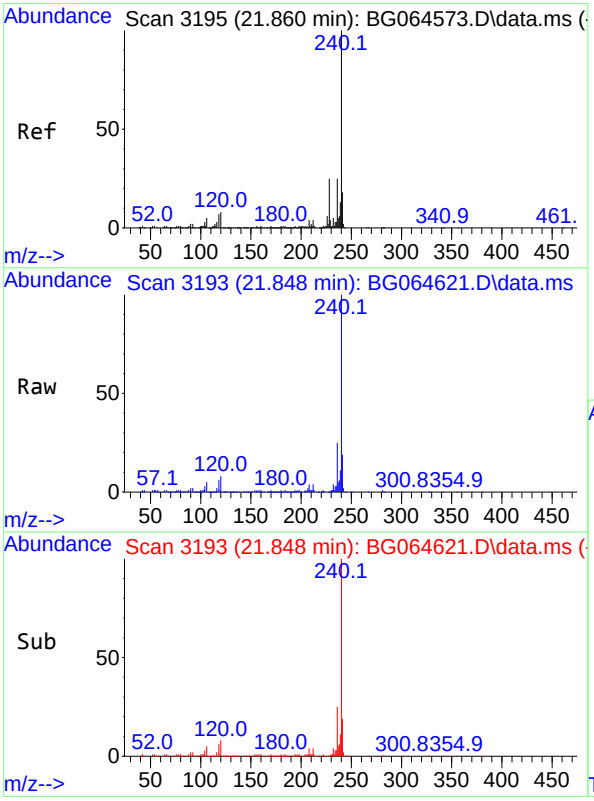
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.576 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

Instrument :
BNA_G
ClientSampleId :
PB170215BL

Tgt Ion:188 Resp: 248117

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.7	8.5
80	7.6	6.8	10.2

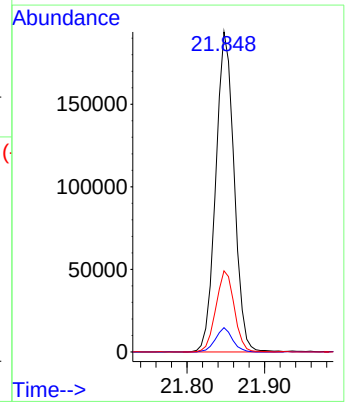


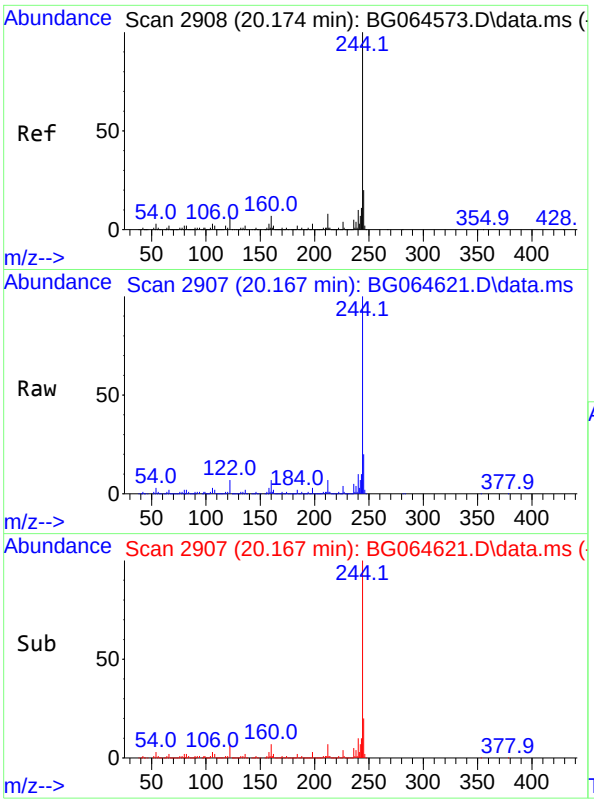


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.016 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

Tgt Ion:240 Resp: 318243

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	25.4	20.2	30.2



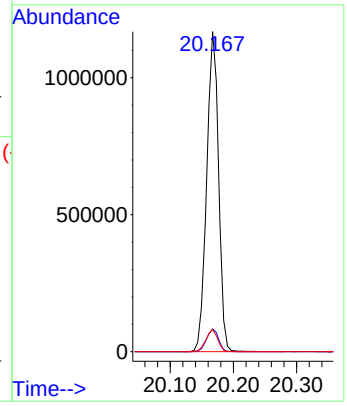


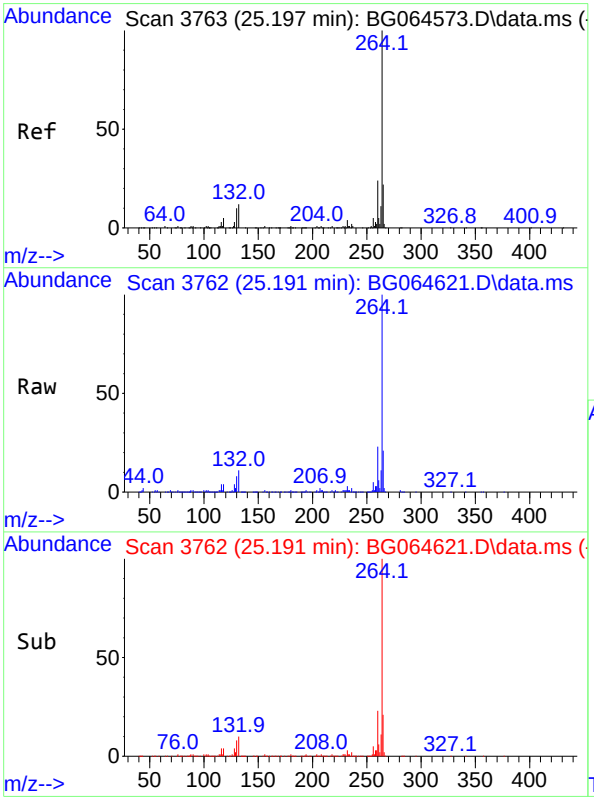
#79
Terphenyl-d14
Concen: 90.788 ng
RT: 20.167 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

Instrument :
BNA_G
ClientSampleId :
PB170215BL

Tgt Ion:244 Resp: 1531012

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	7.0	5.6	8.4

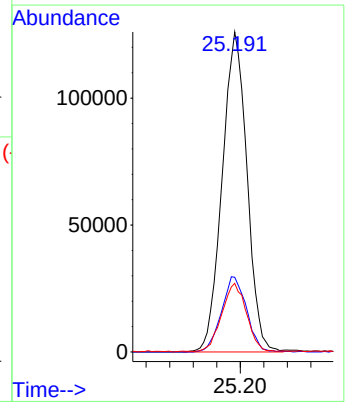




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.191 min Scan# 3762
Delta R.T. -0.010 min
Lab File: BG064621.D
Acq: 29 Oct 2025 13:25

Tgt Ion:264 Resp: 369003

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	21.4	17.6	26.4



Sample Results: **BG064621.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064621.D
Acq On : 29 Oct 2025 13:25
Operator : RC/JU
Sample : PB170215BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170215BL

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_G\Methods\8270-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064621.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.749	445	453	461	rBV	736299	1176882	29.66%	8.360%
2	7.353	717	726	733	rBV	746346	1274418	32.12%	9.053%
3	8.216	866	873	880	rVB	126297	212505	5.36%	1.510%
4	9.380	1063	1071	1078	rBV	442409	777277	19.59%	5.522%
5	11.043	1344	1354	1362	rBV	162352	294281	7.42%	2.090%
6	13.469	1760	1767	1774	rBV	1202173	1855560	46.77%	13.181%
7	14.838	1993	2000	2008	rBV	270056	418534	10.55%	2.973%
8	16.313	2244	2251	2263	rBV	1042193	1646496	41.50%	11.696%
9	17.576	2459	2466	2473	rBV	394044	587050	14.80%	4.170%
10	20.167	2901	2907	2917	rBV	3054784	3967474	100.00%	28.184%
11	21.848	3186	3193	3201	rBV2	492613	821231	20.70%	5.834%
12	24.286	3601	3608	3615	rVB3	25469	62345	1.57%	0.443%
13	25.191	3751	3762	3772	rBV	308414	911115	22.96%	6.472%
14	26.495	3977	3984	3996	rVB5	25920	72023	1.82%	0.512%

Sum of corrected areas: 14077191

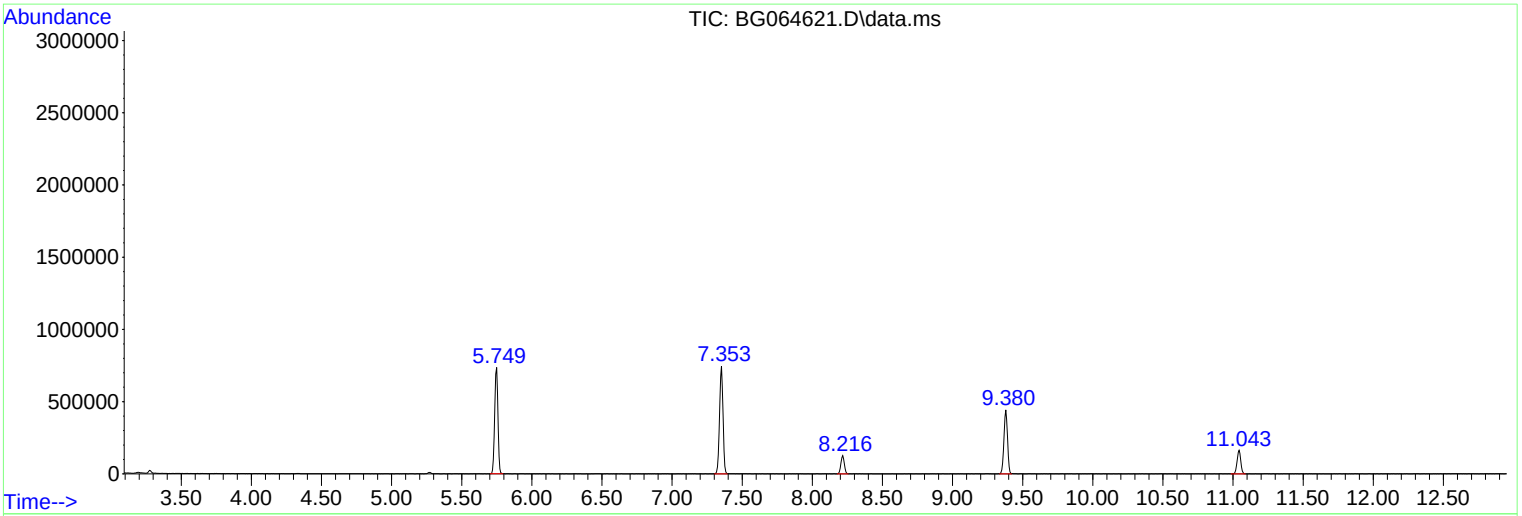
Sample Results: **BG064621.D**

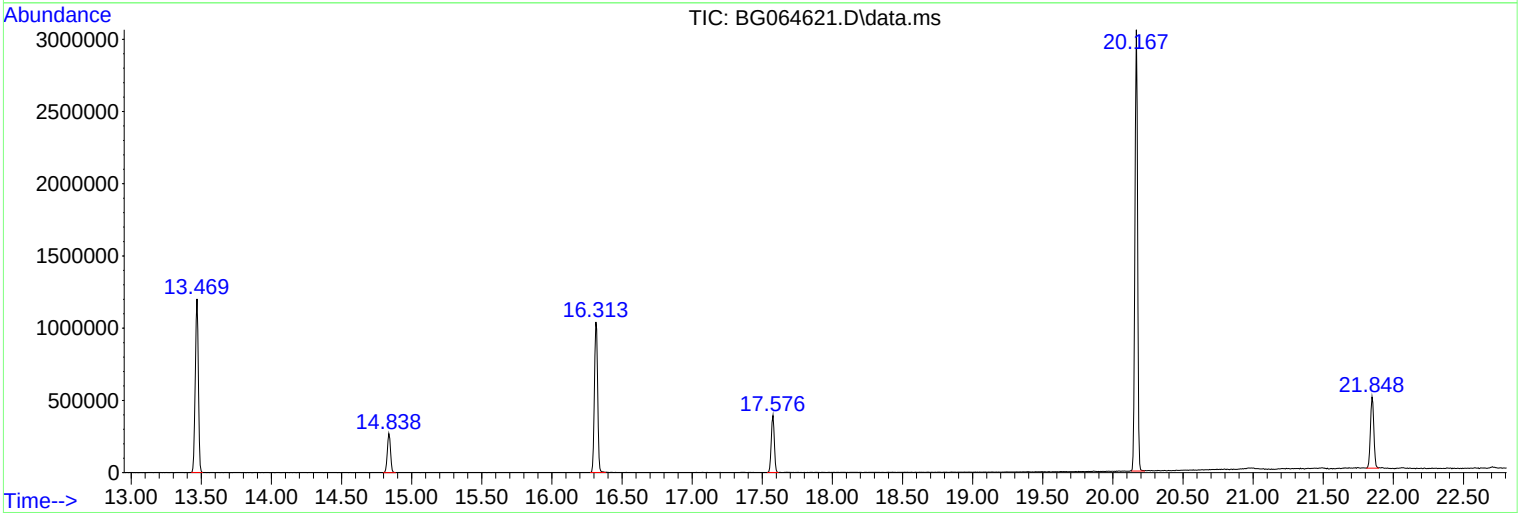
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064621.D
Acq On : 29 Oct 2025 13:25
Operator : RC/JU
Sample : PB170215BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

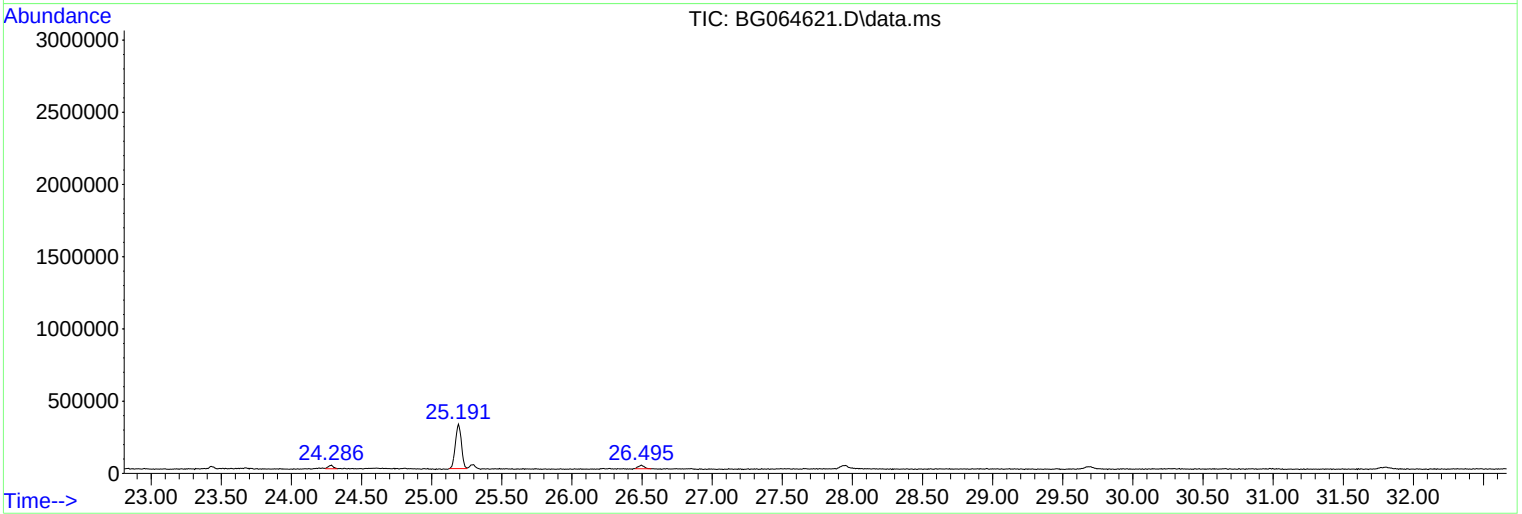
Instrument :
BNA_G
ClientSampleId :
PB170215BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Library Search Compound Report

Sample Results: **BG064621.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064621.D
Acq On : 29 Oct 2025 13:25
Operator : RC/JU
Sample : PB170215BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170215BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

No Library Search Compounds Detected
****

Sample Results: **BG064621.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064621.D
Acq On : 29 Oct 2025 13:25
Operator : RC/JU
Sample : PB170215BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170215BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.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

Raw Data: **BG064622.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	
Client Sample ID:	PB170215BS	SDG No.:	Q3422
Lab Sample ID:	PB170215BS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	1100		1	160	330	ug/Kg	10/29/25 14:06	PB170215
108-95-2	Phenol	1500		1	22.1	170	ug/Kg	10/29/25 14:06	PB170215
111-44-4	bis(2-Chloroethyl)ether	1100		1	24.3	170	ug/Kg	10/29/25 14:06	PB170215
95-57-8	2-Chlorophenol	1600		1	24.4	170	ug/Kg	10/29/25 14:06	PB170215
95-48-7	2-Methylphenol	1600		1	29.9	170	ug/Kg	10/29/25 14:06	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	1300		1	37.5	170	ug/Kg	10/29/25 14:06	PB170215
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/29/25 14:06	PB170215
65794-96-9	3+4-Methylphenols	1500		1	41.1	330	ug/Kg	10/29/25 14:06	PB170215
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	10/29/25 14:06	PB170215
67-72-1	Hexachloroethane	1500		1	17.6	170	ug/Kg	10/29/25 14:06	PB170215
98-95-3	Nitrobenzene	1600		1	18.3	170	ug/Kg	10/29/25 14:06	PB170215
78-59-1	Isophorone	1400		1	32.8	170	ug/Kg	10/29/25 14:06	PB170215
88-75-5	2-Nitrophenol	1700		1	58.1	170	ug/Kg	10/29/25 14:06	PB170215
105-67-9	2,4-Dimethylphenol	1700		1	64.7	170	ug/Kg	10/29/25 14:06	PB170215
111-91-1	bis(2-Chloroethoxy)methane	1400		1	30.8	170	ug/Kg	10/29/25 14:06	PB170215
120-83-2	2,4-Dichlorophenol	1600		1	28.3	170	ug/Kg	10/29/25 14:06	PB170215
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/29/25 14:06	PB170215
106-47-8	4-Chloroaniline	790		1	35.4	170	ug/Kg	10/29/25 14:06	PB170215
87-68-3	Hexachlorobutadiene	1500		1	25.3	170	ug/Kg	10/29/25 14:06	PB170215
105-60-2	Caprolactam	1500		1	52.0	330	ug/Kg	10/29/25 14:06	PB170215
59-50-7	4-Chloro-3-methylphenol	1600		1	28.7	170	ug/Kg	10/29/25 14:06	PB170215
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/29/25 14:06	PB170215
77-47-4	Hexachlorocyclopentadiene	4100	E	1	120	330	ug/Kg	10/29/25 14:06	PB170215
88-06-2	2,4,6-Trichlorophenol	1700		1	19.8	170	ug/Kg	10/29/25 14:06	PB170215
95-95-4	2,4,5-Trichlorophenol	1600		1	29.1	170	ug/Kg	10/29/25 14:06	PB170215
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/29/25 14:06	PB170215
91-58-7	2-Chloronaphthalene	1400		1	22.5	170	ug/Kg	10/29/25 14:06	PB170215
88-74-4	2-Nitroaniline	1600		1	48.1	170	ug/Kg	10/29/25 14:06	PB170215
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/29/25 14:06	PB170215
208-96-8	Acenaphthylene	1700		1	28.9	170	ug/Kg	10/29/25 14:06	PB170215
606-20-2	2,6-Dinitrotoluene	1700		1	33.6	170	ug/Kg	10/29/25 14:06	PB170215
99-09-2	3-Nitroaniline	1200		1	46.0	170	ug/Kg	10/29/25 14:06	PB170215
83-32-9	Acenaphthene	1600		1	21.3	170	ug/Kg	10/29/25 14:06	PB170215
51-28-5	2,4-Dinitrophenol	3600	E	1	230	330	ug/Kg	10/29/25 14:06	PB170215
100-02-7	4-Nitrophenol	3400	E	1	110	330	ug/Kg	10/29/25 14:06	PB170215
132-64-9	Dibenzofuran	1500		1	22.7	170	ug/Kg	10/29/25 14:06	PB170215
121-14-2	2,4-Dinitrotoluene	1700		1	50.0	170	ug/Kg	10/29/25 14:06	PB170215
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/29/25 14:06	PB170215
7005-72-3	4-Chlorophenyl-phenylether	1500		1	26.7	170	ug/Kg	10/29/25 14:06	PB170215
86-73-7	Fluorene	1500		1	25.3	170	ug/Kg	10/29/25 14:06	PB170215
100-01-6	4-Nitroaniline	1700		1	64.1	170	ug/Kg	10/29/25 14:06	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	100	330	ug/Kg	10/29/25 14:06	PB170215

Raw Data: **BG064622.D**

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

Report of Analysis

Client:	AECOM			Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206			Date Received:	
Client Sample ID:	PB170215BS			SDG No.:	Q3422
Lab Sample ID:	PB170215BS			Matrix:	SOIL
Analytical Method:	8270E	Level :	LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Prep Date:	10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	170	ug/Kg	10/29/25 14:06	PB170215
101-55-3	4-Bromophenyl-phenylether	1500		1	27.8	170	ug/Kg	10/29/25 14:06	PB170215
118-74-1	Hexachlorobenzene	1500		1	25.3	170	ug/Kg	10/29/25 14:06	PB170215
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/29/25 14:06	PB170215
87-86-5	Pentachlorophenol	3300	E	1	51.2	330	ug/Kg	10/29/25 14:06	PB170215
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/29/25 14:06	PB170215
120-12-7	Anthracene	1500		1	33.3	170	ug/Kg	10/29/25 14:06	PB170215
86-74-8	Carbazole	1500		1	31.2	170	ug/Kg	10/29/25 14:06	PB170215
84-74-2	Di-n-butylphthalate	1500		1	47.9	170	ug/Kg	10/29/25 14:06	PB170215
206-44-0	Fluoranthene	1500		1	30.0	170	ug/Kg	10/29/25 14:06	PB170215
129-00-0	Pyrene	1400		1	36.0	170	ug/Kg	10/29/25 14:06	PB170215
85-68-7	Butylbenzylphthalate	1600		1	71.3	170	ug/Kg	10/29/25 14:06	PB170215
91-94-1	3,3-Dichlorobenzidine	1100		1	36.7	330	ug/Kg	10/29/25 14:06	PB170215
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/29/25 14:06	PB170215
218-01-9	Chrysene	1500		1	19.9	170	ug/Kg	10/29/25 14:06	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	1600		1	59.1	170	ug/Kg	10/29/25 14:06	PB170215
117-84-0	Di-n-octyl phthalate	1700		1	86.7	330	ug/Kg	10/29/25 14:06	PB170215
205-99-2	Benzo(b)fluoranthene	1500		1	19.0	170	ug/Kg	10/29/25 14:06	PB170215
207-08-9	Benzo(k)fluoranthene	1500		1	22.4	170	ug/Kg	10/29/25 14:06	PB170215
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/29/25 14:06	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	29.1	170	ug/Kg	10/29/25 14:06	PB170215
53-70-3	Dibenzo(a,h)anthracene	1500		1	27.4	170	ug/Kg	10/29/25 14:06	PB170215
191-24-2	Benzo(g,h,i)perylene	1500		1	25.7	170	ug/Kg	10/29/25 14:06	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		1	25.6	170	ug/Kg	10/29/25 14:06	PB170215
123-91-1	1,4-Dioxane	1100		1	45.2	170	ug/Kg	10/29/25 14:06	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	1800		1	27.4	170	ug/Kg	10/29/25 14:06	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	125			18 - 112	83%	SPK: 150		
13127-88-3	Phenol-d6	125			15 - 107	83%	SPK: 150		
4165-60-0	Nitrobenzene-d5	95.4			18 - 107	95%	SPK: 100		
321-60-8	2-Fluorobiphenyl	79.6			20 - 109	80%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	144			10 - 116	96%	SPK: 150		
1718-51-0	Terphenyl-d14	83.3			10 - 105	83%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	30900							
1146-65-2	Naphthalene-d8	126000							
15067-26-2	Acenaphthene-d10	103000							
1517-22-2	Phenanthrene-d10	253000							
1719-03-5	Chrysene-d12	286000							
1520-96-3	Perylene-d12	311000							

Raw Data: **BG064622.D**

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

Report of Analysis

Client:	AECOM			Date Collected:	
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206			Date Received:	
Client Sample ID:	PB170215BS			SDG No.:	Q3422
Lab Sample ID:	PB170215BS			Matrix:	SOIL
Analytical Method:	8270E	Level :	LOW	% Solid:	100
Sample Wt/Vol:	30.03 g	Final Vol:	1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C	Prep Date:	10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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_G\Data\BG102925\
Data File : BG064622.D
Acq On : 29 Oct 2025 14:06
Operator : RC/JU
Sample : PB170215BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Quant Time: Oct 29 15:48:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.217	152	30857	20.000	ng		0.00
21) Naphthalene-d8	11.044	136	126314	20.000	ng		0.00
39) Acenaphthene-d10	14.839	164	102616	20.000	ng		0.00
64) Phenanthrene-d10	17.577	188	252758	20.000	ng		0.00
76) Chrysene-d12	21.854	240	286271	20.000	ng		0.00
86) Perylene-d12	25.192	264	311364	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.750	112	229807	125.006	ng		0.00
7) Phenol-d6	7.354	99	315661	125.132	ng		0.00
23) Nitrobenzene-d5	9.381	82	200721	95.443	ng		0.00
42) 2,4,6-Tribromophenol	16.320	330	213604	144.224	ng		0.00
45) 2-Fluorobiphenyl	13.470	172	539175	79.642	ng		0.00
79) Terphenyl-d14	20.168	244	1263324	83.281	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.582	88	27367	33.625	ng		97
3) Pyridine	3.987	79	80236	32.828	ng		99
4) n-Nitrosodimethylamine	3.899	42	55779	42.556	ng		96
6) Aniline	7.524	93	111247	32.409	ng		98
8) 2-Chlorophenol	7.777	128	90171	46.861	ng		96
9) Benzaldehyde	7.336	77	44662	32.430	ng		99
10) Phenol	7.377	94	125167	44.866	ng		96
11) bis(2-Chloroethyl)ether	7.524	93	111247	32.409	ng		99
12) 1,3-Dichlorobenzene	8.106	146	89896	40.591	ng		96
13) 1,4-Dichlorobenzene	8.253	146	95840	42.560	ng		92
14) 1,2-Dichlorobenzene	8.576	146	95566	43.998	ng		95
15) Benzyl Alcohol	8.447	79	97685	46.959	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.746	45	208165	38.690	ng		97
17) 2-Methylphenol	8.447	107	49001	47.125	ng		91
18) Hexachloroethane	9.322	117	34789	44.022	ng		96
19) n-Nitroso-di-n-propyla...	9.022	70	75603	43.365	ng		98
20) 3+4-Methylphenols	8.975	107	115498	44.339	ng		95
22) Acetophenone	9.040	105	161222	46.691	ng		96
24) Nitrobenzene	9.422	77	109545	47.891	ng		97
25) Isophorone	9.951	82	215090	42.623	ng		100
26) 2-Nitrophenol	10.139	139	44164	49.908	ng	#	85
27) 2,4-Dimethylphenol	10.192	122	95696	49.980	ng		97
28) bis(2-Chloroethoxy)met...	10.433	93	121990	42.458	ng		99
29) 2,4-Dichlorophenol	10.679	162	99058	49.036	ng		97
30) 1,2,4-Trichlorobenzene	10.903	180	106824	46.541	ng		97
31) Naphthalene	11.091	128	295744	42.229	ng		99
32) Benzoic acid	10.309	122	80232m	56.670	ng		
33) 4-Chloroaniline	11.185	127	64445	23.675	ng		97
34) Hexachlorobutadiene	11.384	225	78836	43.919	ng		97
35) Caprolactam	11.943	113	35302m	45.563	ng		
36) 4-Chloro-3-methylphenol	12.289	107	115355	47.506	ng		98
37) 2-Methylnaphthalene	12.683	142	200867	39.066	ng		99
38) 1-Methylnaphthalene	12.900	142	210799	41.666	ng		95
40) 1,2,4,5-Tetrachloroben...	13.047	216	160584	46.629	ng		99
41) Hexachlorocyclopentadiene	13.035	237	193126	124.589	ng		99
43) 2,4,6-Trichlorophenol	13.276	196	97819	49.656	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064622.D
Acq On : 29 Oct 2025 14:06
Operator : RC/JU
Sample : PB170215BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Quant Time: Oct 29 15:48:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

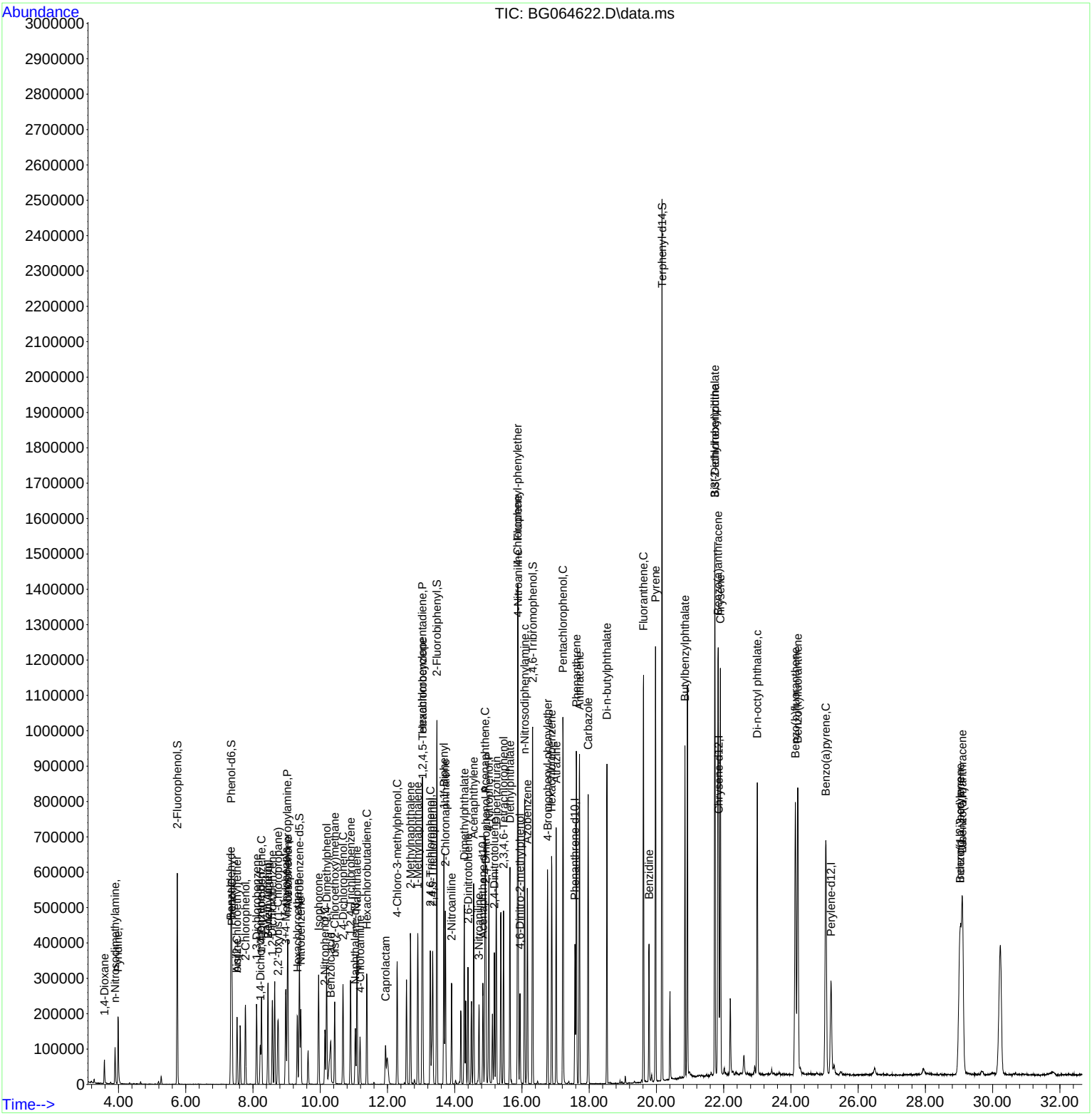
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.347	196	111336	48.976	ng		99
46) 1,1'-Biphenyl	13.682	154	341429	46.801	ng		97
47) 2-Chloronaphthalene	13.723	162	234788	42.637	ng		96
48) 2-Nitroaniline	13.911	65	87853	47.555	ng		94
49) Acenaphthylene	14.563	152	430487	49.562	ng		98
50) Dimethylphthalate	14.287	163	347656	44.275	ng		99
51) 2,6-Dinitrotoluene	14.398	165	65227	50.188	ng		96
52) Acenaphthene	14.904	154	290908	49.021	ng		97
53) 3-Nitroaniline	14.722	138	49122	36.402	ng	#	99
54) 2,4-Dinitrophenol	14.927	184	88044	108.602	ng	#	42
55) Dibenzofuran	15.239	168	418469	43.618	ng		99
56) 4-Nitrophenol	15.015	139	127758	102.115	ng		94
57) 2,4-Dinitrotoluene	15.180	165	100857	50.198	ng		98
58) Fluorene	15.879	166	335610	44.792	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.456	232	114603	52.720	ng		98
60) Diethylphthalate	15.644	149	357386	44.576	ng		99
61) 4-Chlorophenyl-phenyle...	15.873	204	190016	45.190	ng		97
62) 4-Nitroaniline	15.885	138	74872	49.873	ng		95
63) Azobenzene	16.161	77	323701	44.003	ng		99
65) 4,6-Dinitro-2-methylph...	15.944	198	61637	54.580	ng		96
66) n-Nitrosodiphenylamine	16.079	169	307367	45.018	ng		96
67) 4-Bromophenyl-phenylether	16.766	248	133834	44.682	ng		97
68) Hexachlorobenzene	16.884	284	155883	45.618	ng		96
69) Atrazine	17.019	200	140535	47.830	ng		98
70) Pentachlorophenol	17.219	266	214000	100.429	ng		95
71) Phenanthrene	17.618	178	612283	44.297	ng		99
72) Anthracene	17.712	178	631323	44.900	ng		100
73) Carbazole	17.971	167	558592	45.052	ng		99
74) Di-n-butylphthalate	18.529	149	636589	44.400	ng		100
75) Fluoranthene	19.616	202	768700	44.393	ng		99
77) Benzidine	19.780	184	240455	37.491	ng		99
78) Pyrene	19.974	202	804895	43.035	ng		99
80) Butylbenzylphthalate	20.850	149	279278	49.405	ng		97
81) Benzo(a)anthracene	21.831	228	850571	44.811	ng		99
82) 3,3'-Dichlorobenzidine	21.737	252	205029	32.347	ng		98
83) Chrysene	21.901	228	799015	44.240	ng		99
84) Bis(2-ethylhexyl)phtha...	21.737	149	407169	48.204	ng		99
85) Di-n-octyl phthalate	23.000	149	709236	49.802	ng		99
87) Indeno(1,2,3-cd)pyrene	29.034	276	1033332	45.114	ng	#	97
88) Benzo(b)fluoranthene	24.134	252	872834	45.715	ng		99
89) Benzo(k)fluoranthene	24.205	252	867424	45.401	ng		98
90) Benzo(a)pyrene	25.039	252	830855	47.341	ng		100
91) Dibenzo(a,h)anthracene	29.099	278	858540	46.137	ng		99
92) Benzo(g,h,i)perylene	29.034	276	1033332	45.114	ng		99

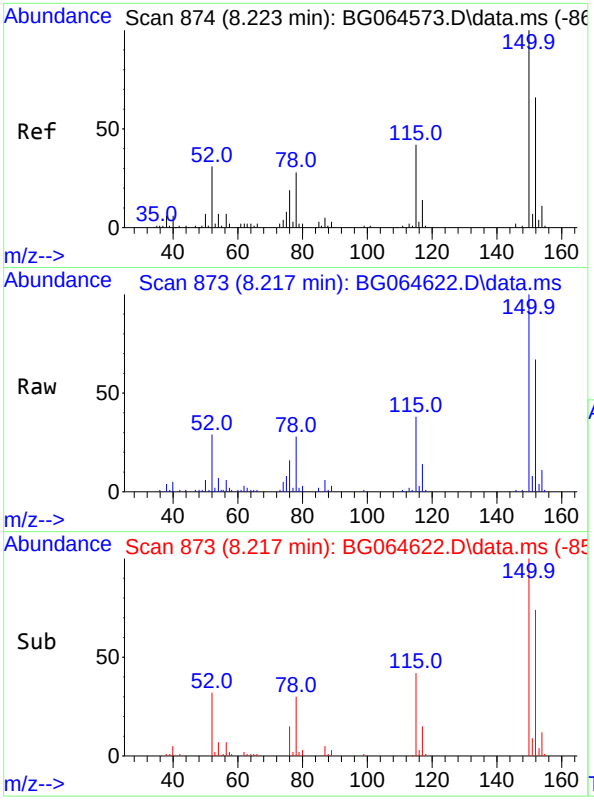
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064622.D
Acq On : 29 Oct 2025 14:06
Operator : RC/JU
Sample : PB170215BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Quant Time: Oct 29 15:48:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



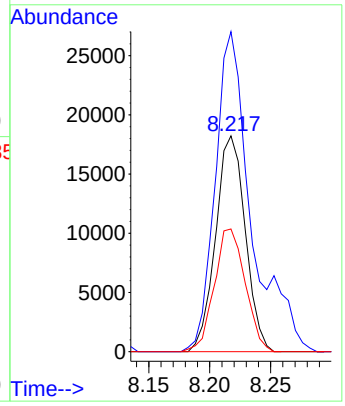


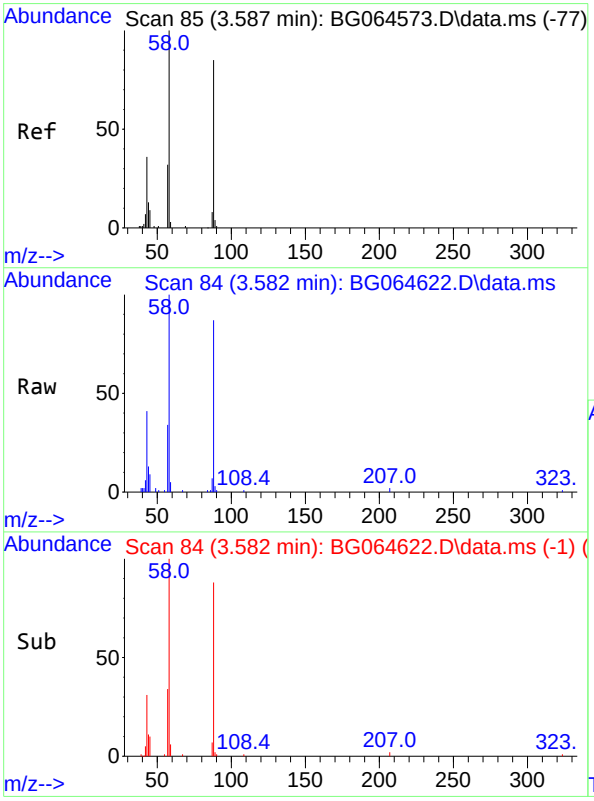
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:152 Resp: 30857

Ion	Ratio	Lower	Upper
152	100		
150	148.2	122.2	183.4
115	56.8	50.8	76.2

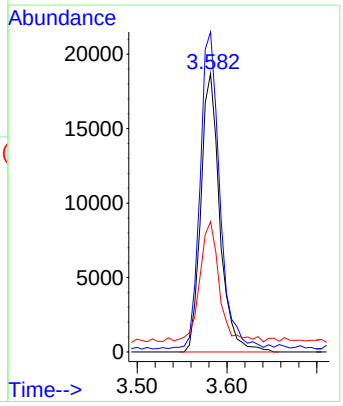


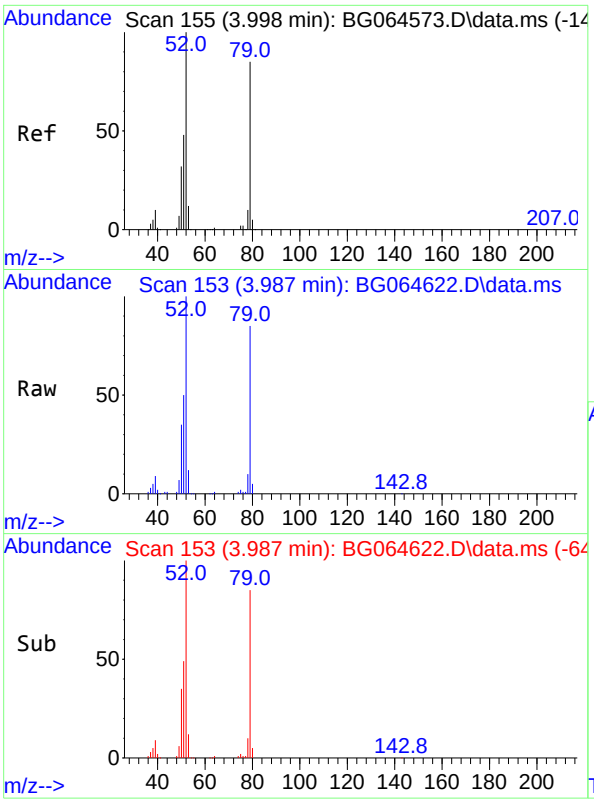


#2
1,4-Dioxane
Concen: 33.625 ng
RT: 3.582 min Scan# 84
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion: 88 Resp: 27367

Ion	Ratio	Lower	Upper
88	100		
58	117.6	92.4	138.6
43	44.4	33.0	49.6



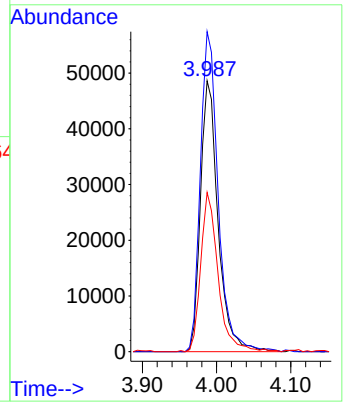


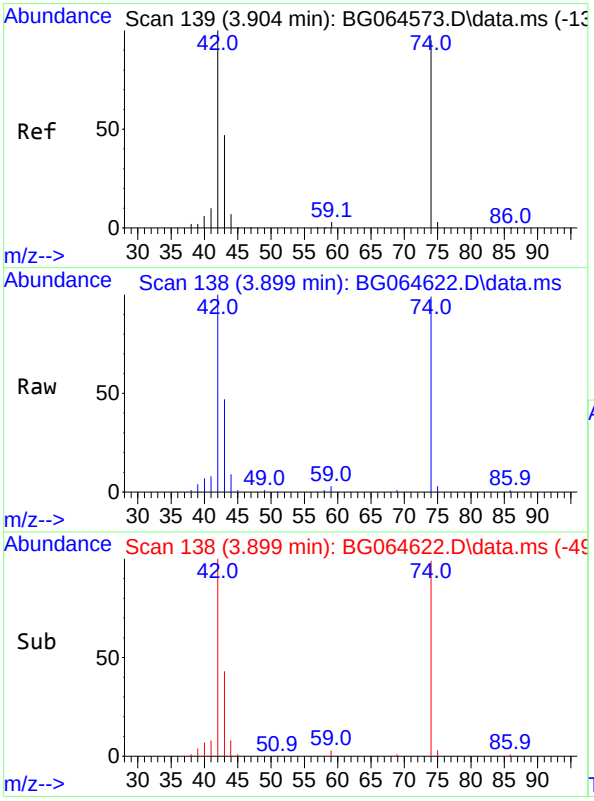
#3
Pyridine
Concen: 32.828 ng
RT: 3.987 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion: 79 Resp: 80236

Ion	Ratio	Lower	Upper
79	100		
52	118.1	94.2	141.2
51	58.8	46.1	69.1

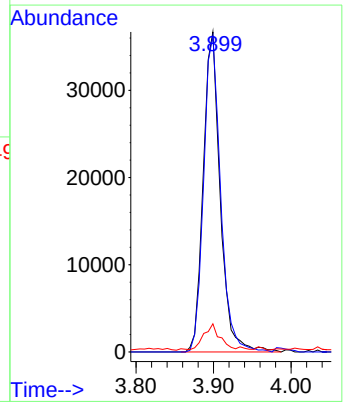


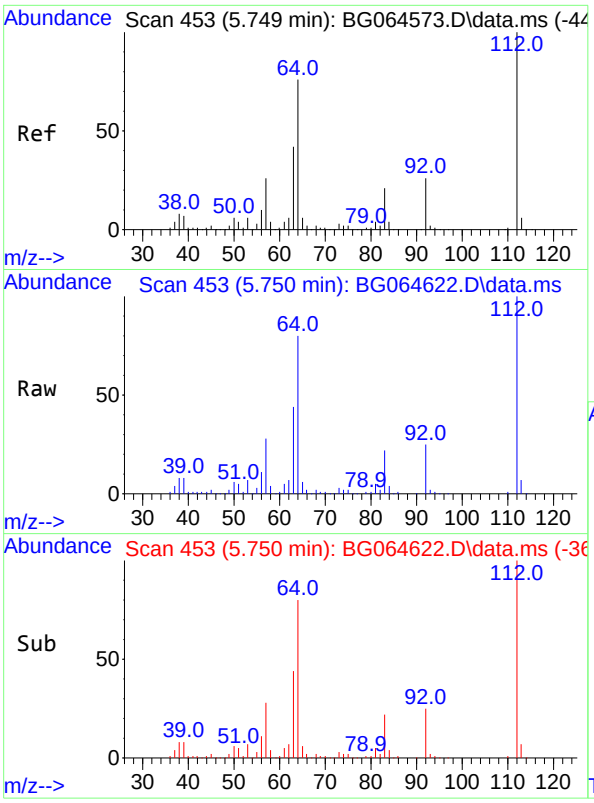


#4
n-Nitrosodimethylamine
Concen: 42.556 ng
RT: 3.899 min Scan# 138
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion: 42 Resp: 55779

Ion	Ratio	Lower	Upper
42	100		
74	98.7	76.1	114.1
44	8.8	6.3	9.5



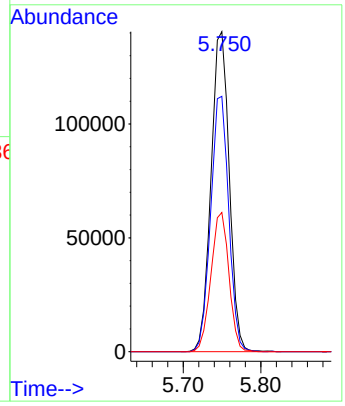


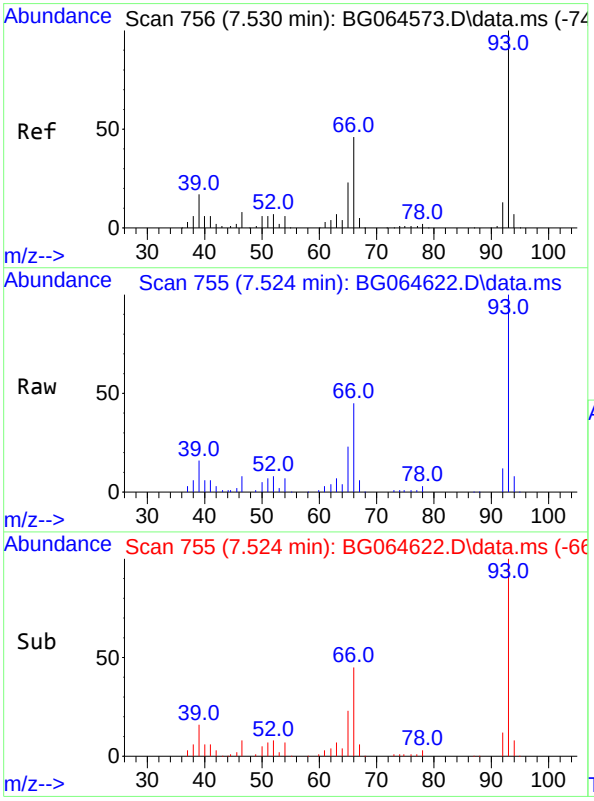
#5
2-Fluorophenol
Concen: 125.006 ng
RT: 5.750 min Scan# 4
Delta R.T. 0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:112 Resp: 229807

Ion	Ratio	Lower	Upper
112	100		
64	79.8	60.7	91.1
63	43.5	33.4	50.0

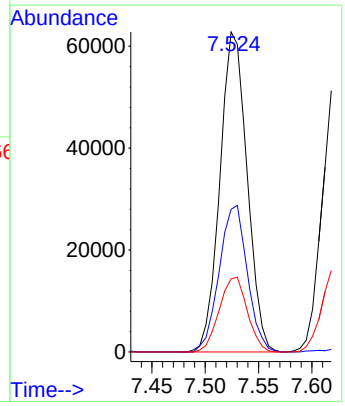




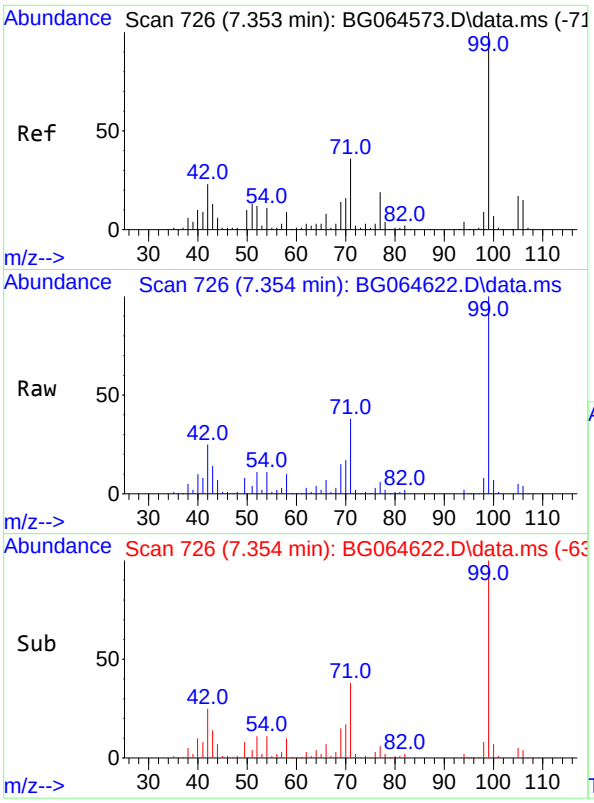
#6
Aniline
Concen: 32.409 ng
RT: 7.524 min Scan# 755
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion: 93 Resp: 111247

Ion	Ratio	Lower	Upper
93	100		
66	44.6	37.0	55.6
65	22.9	18.3	27.5



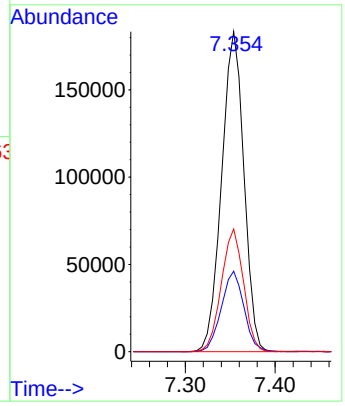
Instrument :
BNA_G
ClientSampleId :
PB170215BS

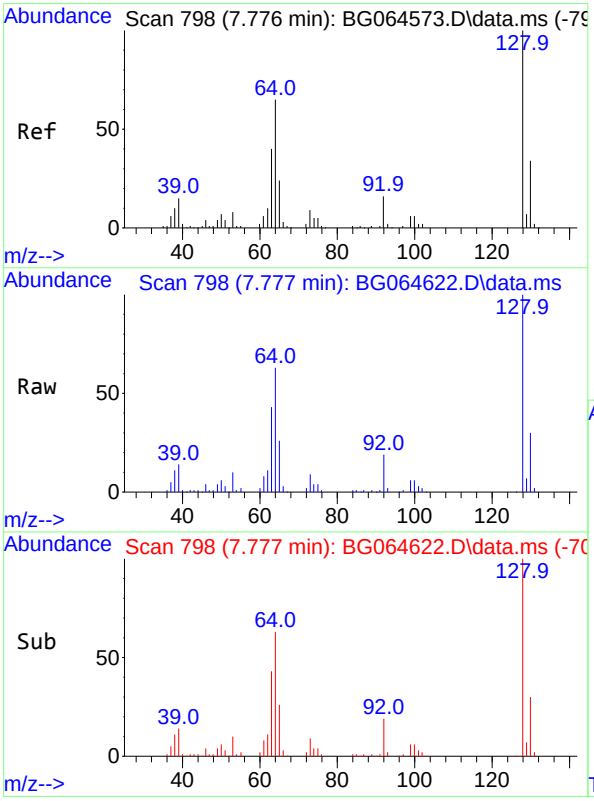


#7
Phenol-d6
Concen: 125.132 ng
RT: 7.354 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion: 99 Resp: 315661

Ion	Ratio	Lower	Upper
99	100		
42	25.1	18.3	27.5
71	38.4	28.6	43.0

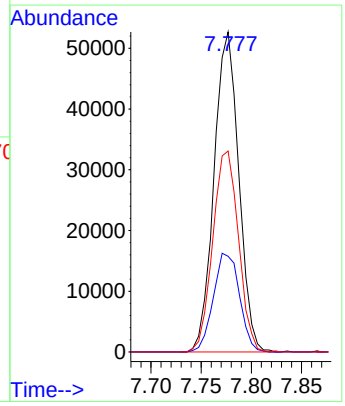


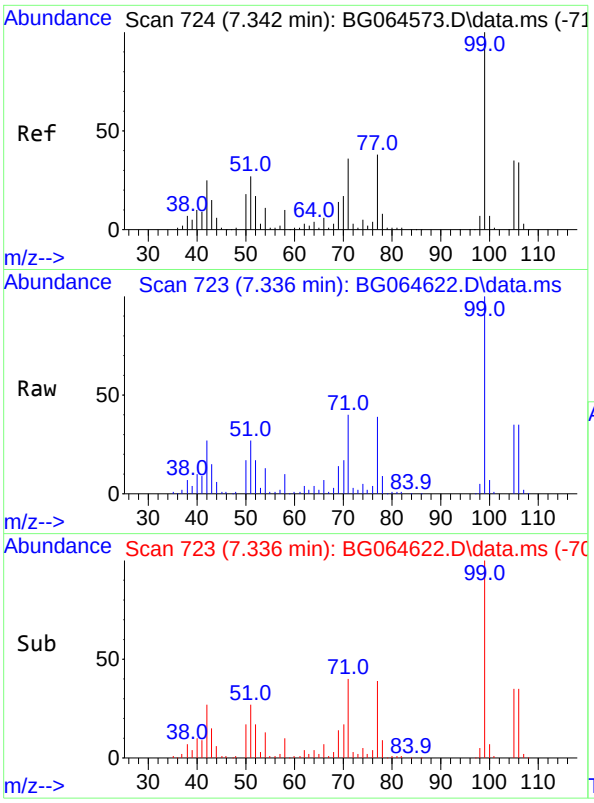


#8
2-Chlorophenol
Concen: 46.861 ng
RT: 7.777 min Scan# 798
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:128 Resp: 90171

Ion	Ratio	Lower	Upper
128	100		
130	29.9	13.5	53.5
64	62.8	45.2	85.2



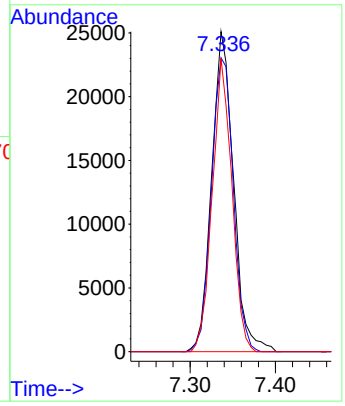


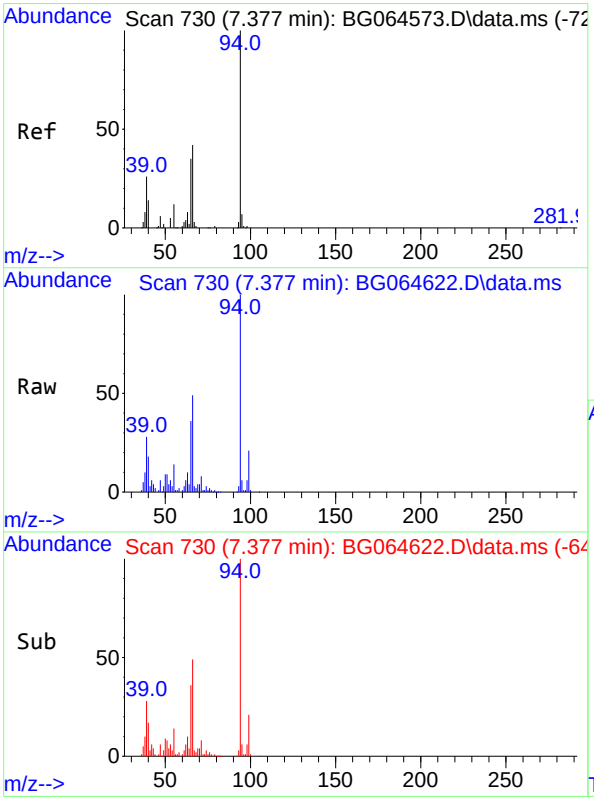
#9
Benzaldehyde
Concen: 32.430 ng
RT: 7.336 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion: 77 Resp: 44662

Ion	Ratio	Lower	Upper
77	100		
105	91.9	72.9	112.9
106	91.6	70.8	110.8

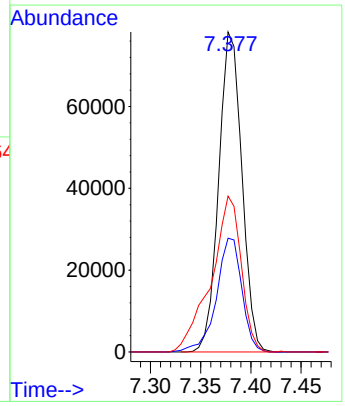


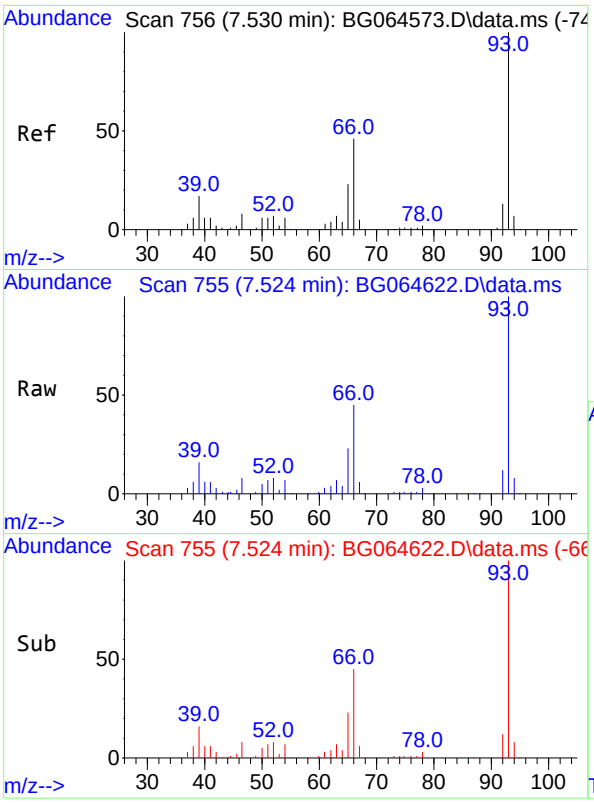


#10
Phenol
Concen: 44.866 ng
RT: 7.377 min Scan# 730
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion: 94 Resp: 125167

Ion	Ratio	Lower	Upper
94	100		
65	35.5	15.8	55.8
66	48.7	24.0	64.0



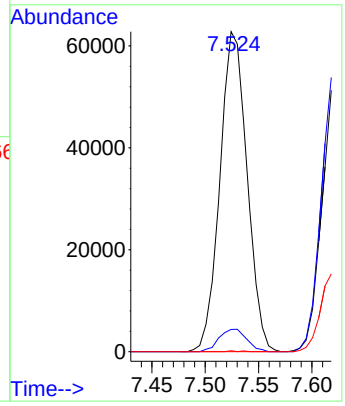


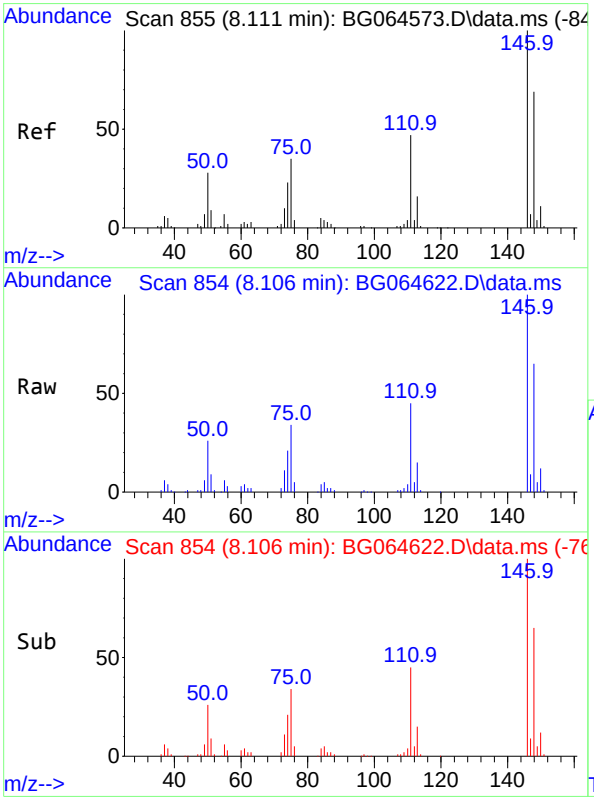
#11
bis(2-Chloroethyl)ether
Concen: 32.409 ng
RT: 7.524 min Scan# 7
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion: 93 Resp: 111247

Ion	Ratio	Lower	Upper
93	100		
63	6.9	0.0	27.4
95	0.3	0.0	20.2

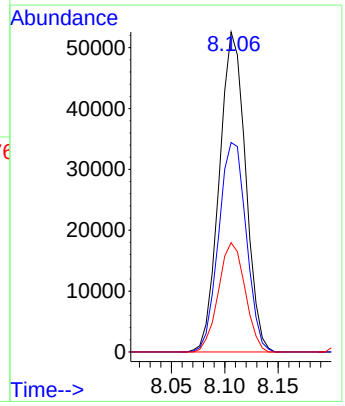


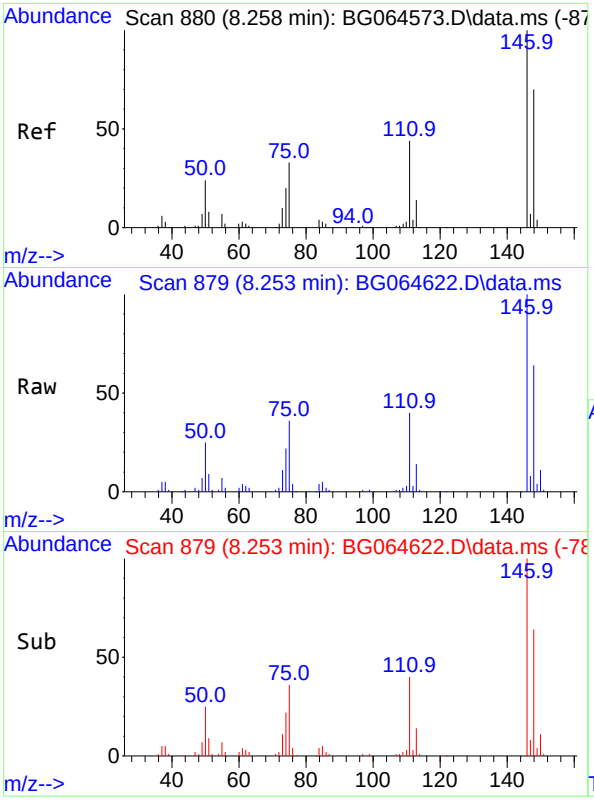


#12
1,3-Dichlorobenzene
Concen: 40.591 ng
RT: 8.106 min Scan# 854
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:146 Resp: 89896

Ion	Ratio	Lower	Upper
146	100		
148	65.5	55.3	82.9
75	34.2	28.2	42.2



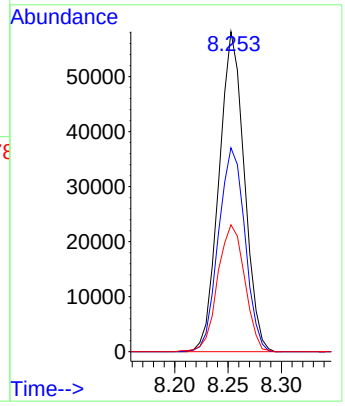


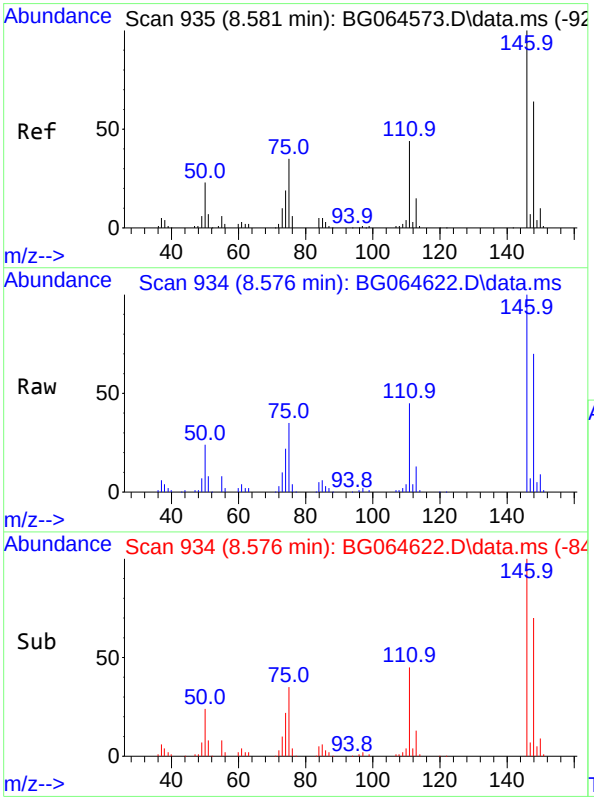
#13
1,4-Dichlorobenzene
Concen: 42.560 ng
RT: 8.253 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:146 Resp: 95840

Ion	Ratio	Lower	Upper
146	100		
148	63.7	56.2	84.4
111	39.7	35.4	53.0

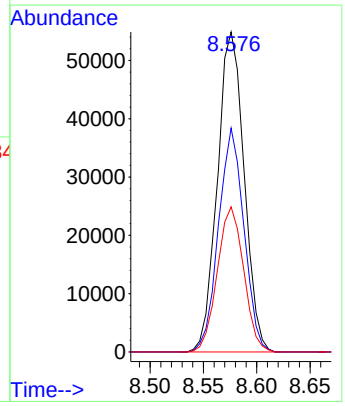


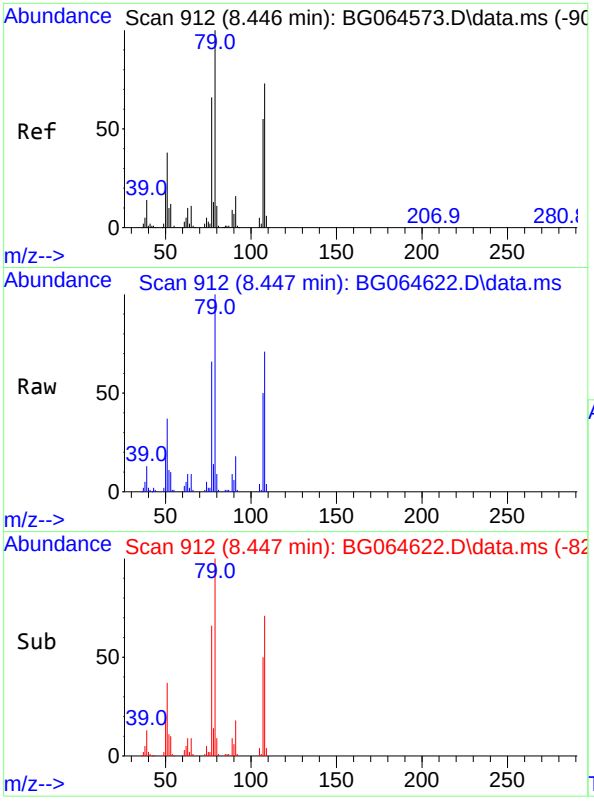


#14
1,2-Dichlorobenzene
Concen: 43.998 ng
RT: 8.576 min Scan# 934
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:146 Resp: 95566

Ion	Ratio	Lower	Upper
146	100		
148	69.9	51.5	77.3
111	45.3	35.0	52.6



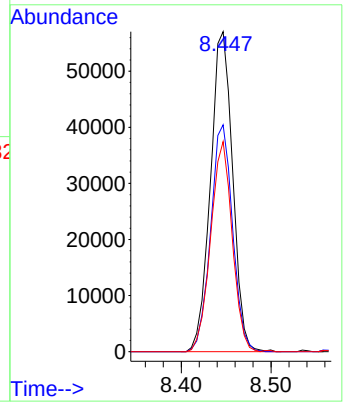


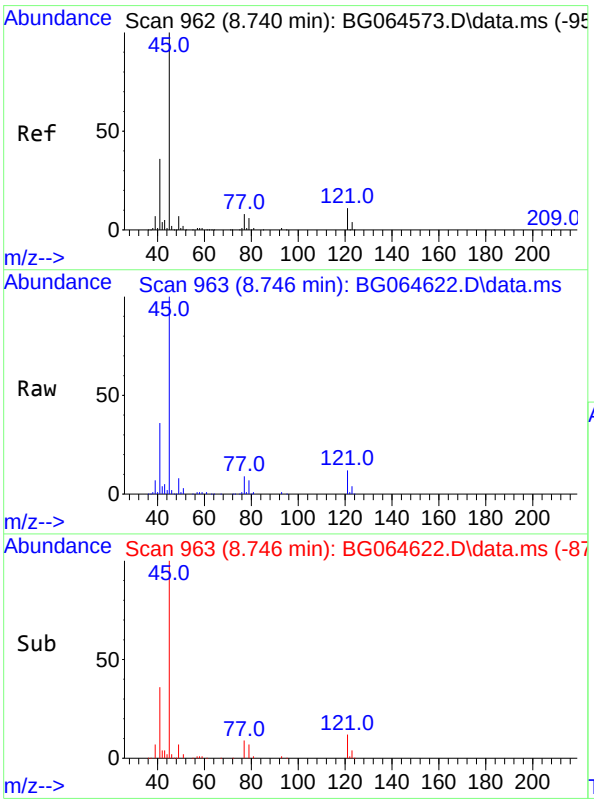
#15
Benzyl Alcohol
Concen: 46.959 ng
RT: 8.447 min Scan# 91
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion: 79 Resp: 97685

Ion	Ratio	Lower	Upper
79	100		
108	70.9	58.1	87.1
77	65.6	52.8	79.2

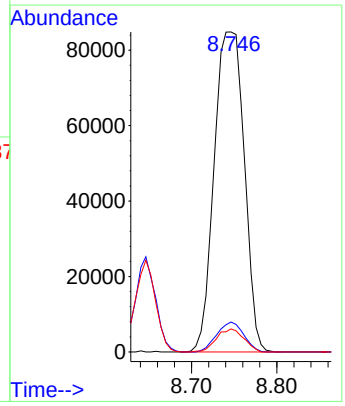




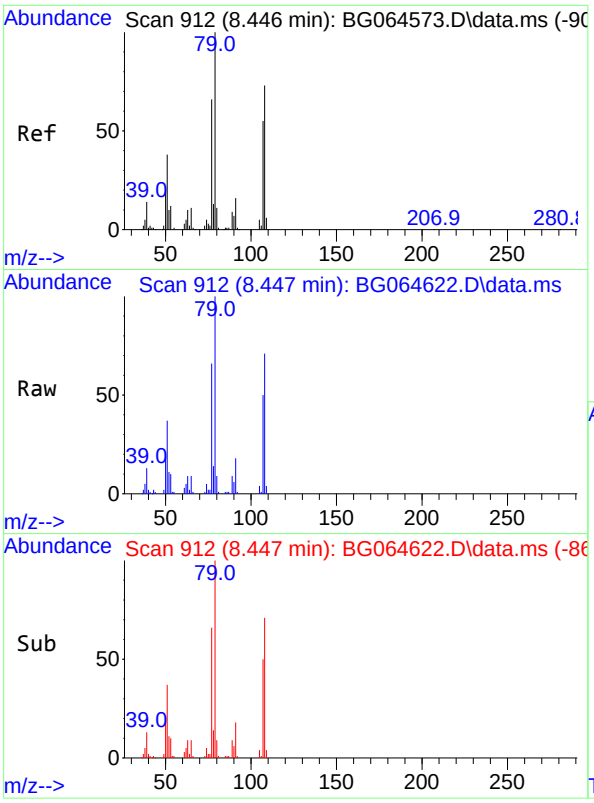
#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.690 ng
RT: 8.746 min Scan# 963
Delta R.T. 0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion: 45 Resp: 208165

Ion	Ratio	Lower	Upper
45	100		
77	9.4	0.0	28.5
79	7.2	0.0	25.6



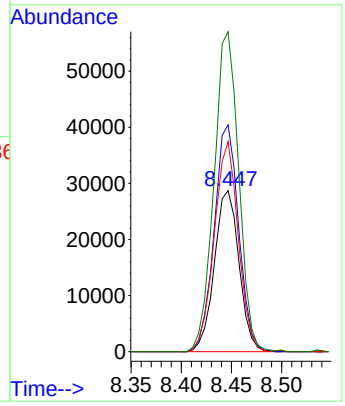
Instrument :
BNA_G
ClientSampleId :
PB170215BS

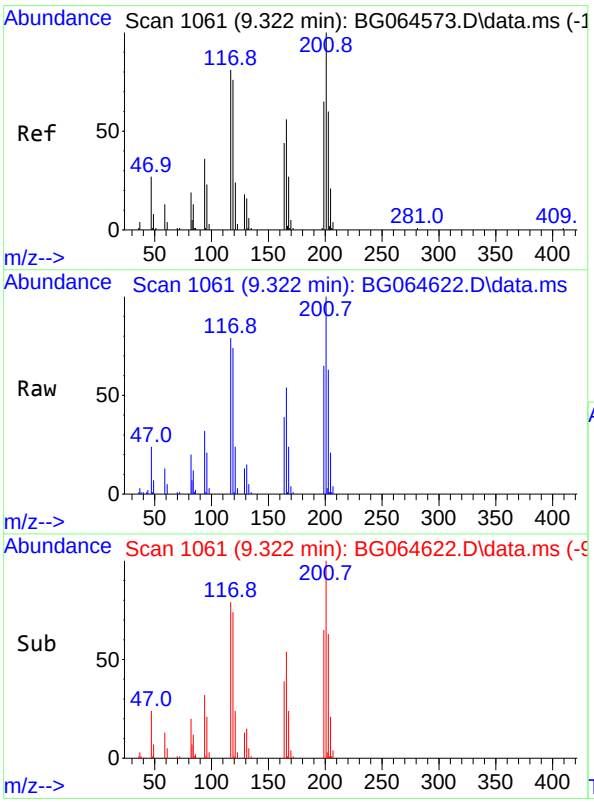


#17
2-Methylphenol
Concen: 47.125 ng
RT: 8.447 min Scan# 91
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:107 Resp: 49001

Ion	Ratio	Lower	Upper
107	100		
108	140.8	106.4	159.6
77	130.4	96.7	145.1
79	198.6	146.6	219.8

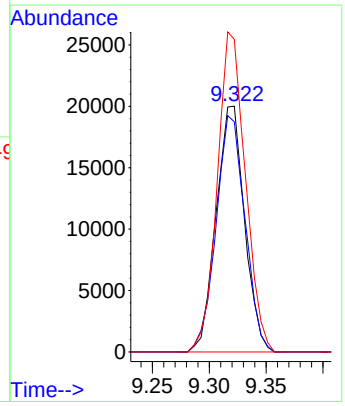


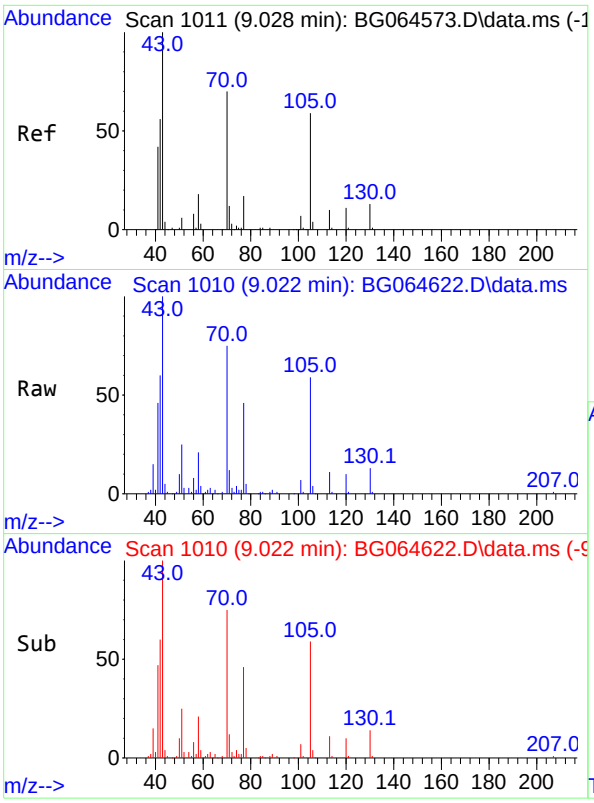


#18
Hexachloroethane
Concen: 44.022 ng
RT: 9.322 min Scan# 1061
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:117 Resp: 34789

Ion	Ratio	Lower	Upper
117	100		
119	93.6	75.4	113.2
201	130.9	99.2	148.8



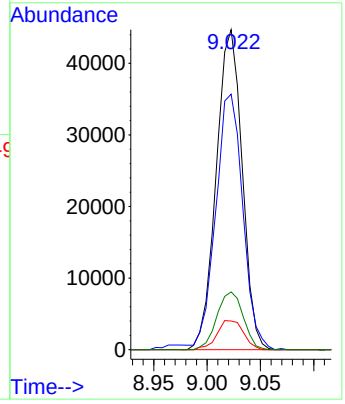


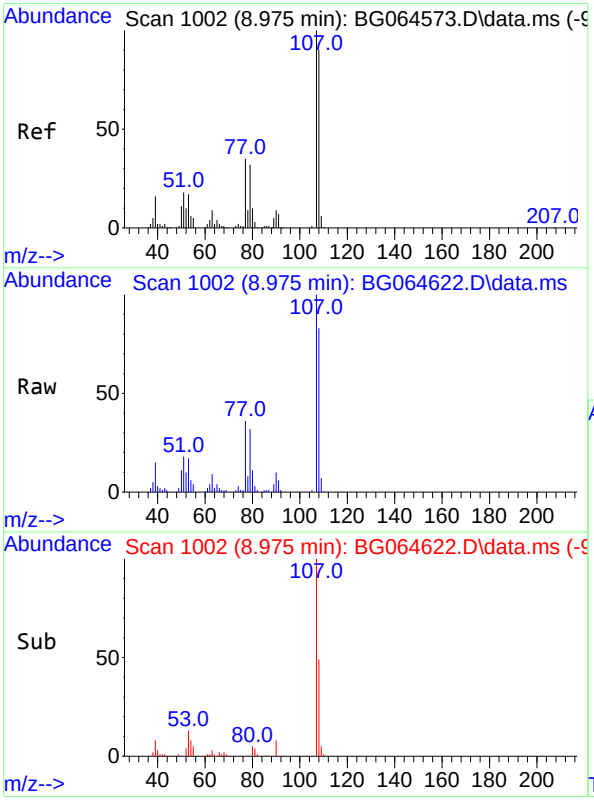
#19
n-Nitroso-di-n-propylamine
Concen: 43.365 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion: 70 Resp: 75603

Ion	Ratio	Lower	Upper
70	100		
42	79.8	65.2	97.8
101	9.0	7.9	11.9
130	18.0	14.3	21.5

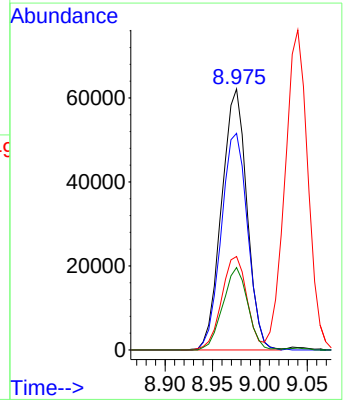


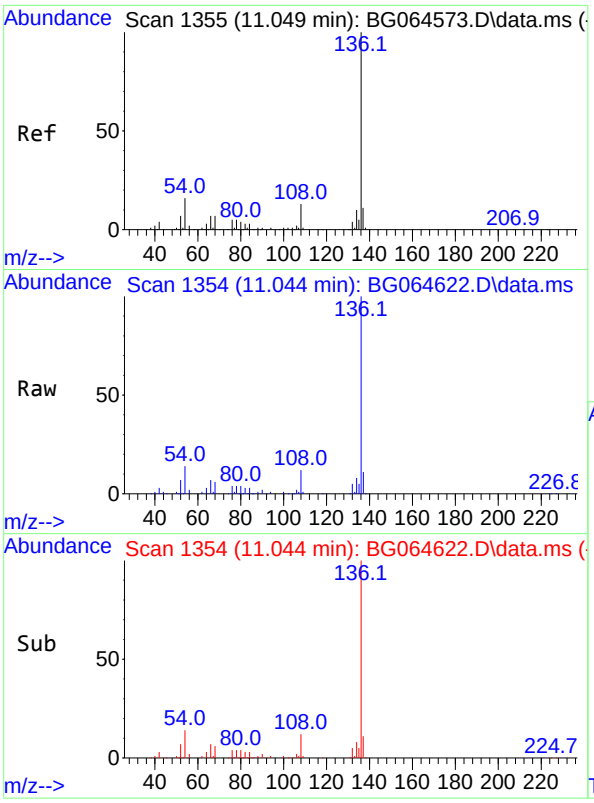


#20
3+4-Methylphenols
Concen: 44.339 ng
RT: 8.975 min Scan# 1002
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:107 Resp: 115498

Ion	Ratio	Lower	Upper
107	100		
108	83.0	70.3	110.3
77	35.8	14.6	54.6
79	31.6	11.7	51.7



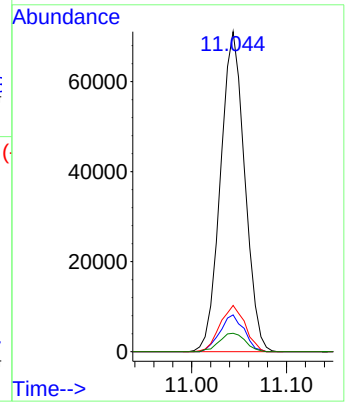


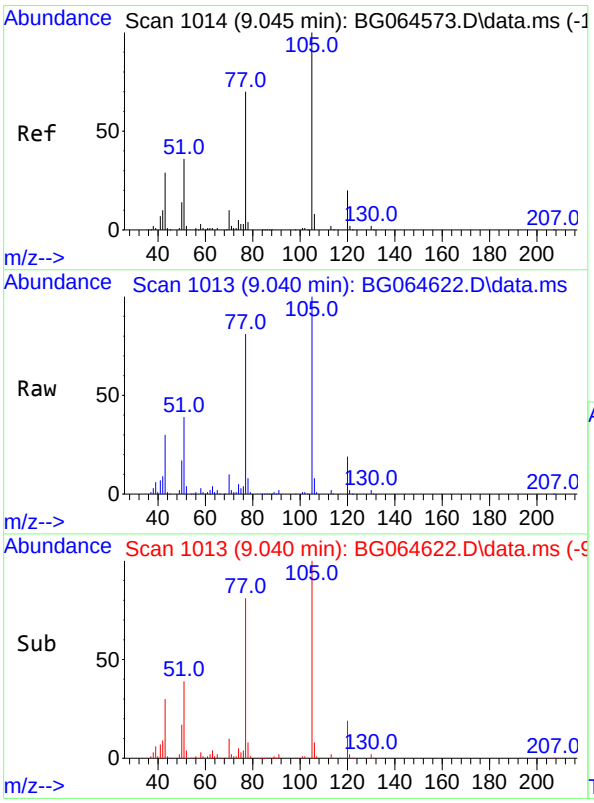
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:136 Resp: 126314

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	14.5	12.6	19.0
68	5.8	5.7	8.5

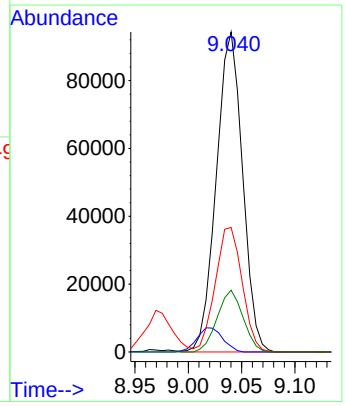


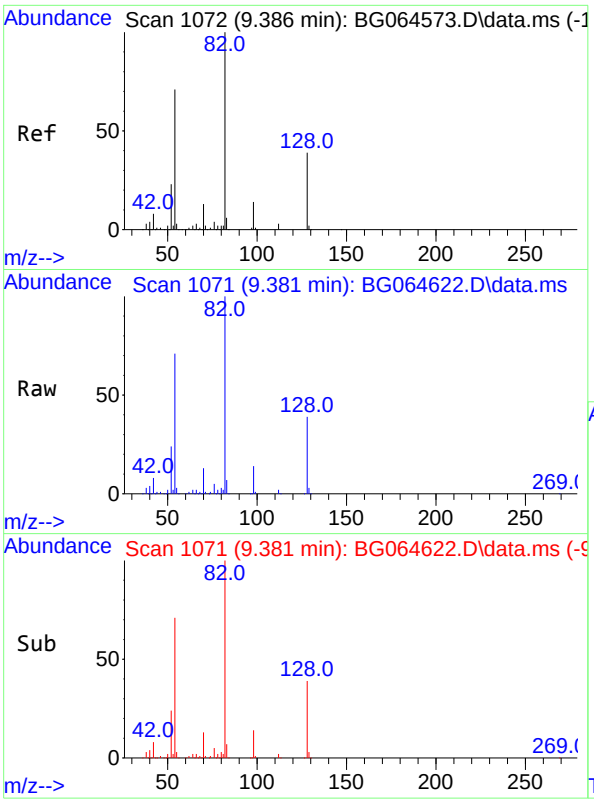


#22
Acetophenone
Concen: 46.691 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:105 Resp: 161222

Ion	Ratio	Lower	Upper
105	100		
71	1.8	1.5	2.3
51	38.9	33.7	50.5
120	19.3	16.1	24.1



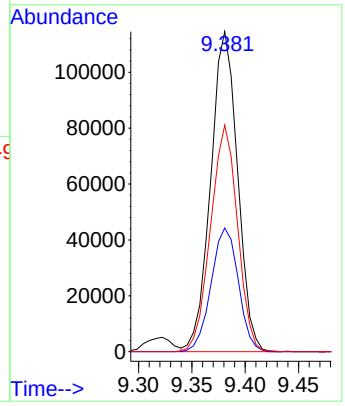


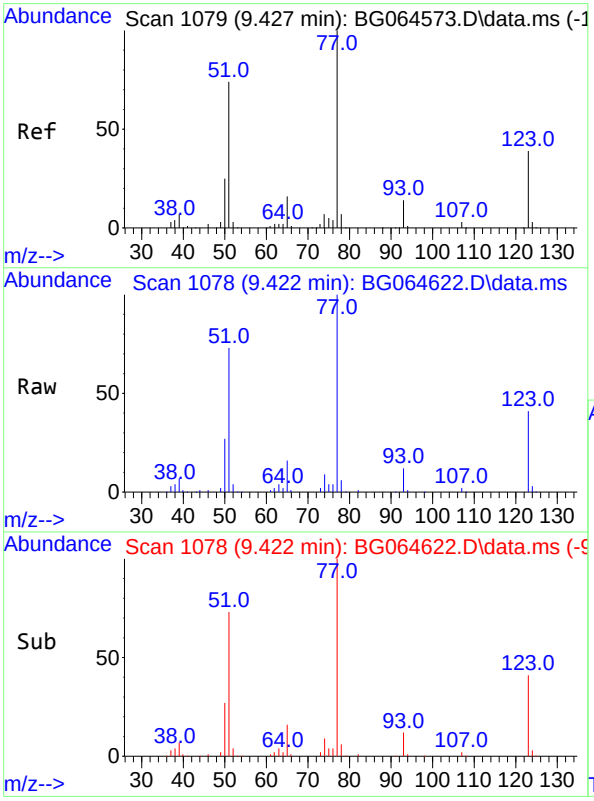
#23
Nitrobenzene-d5
Concen: 95.443 ng
RT: 9.381 min Scan# 1(
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion: 82 Resp: 200721

Ion	Ratio	Lower	Upper
82	100		
128	38.7	31.3	46.9
54	70.8	56.6	84.8

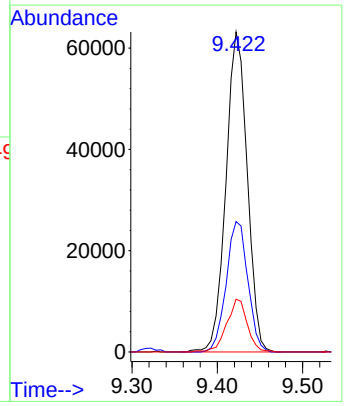


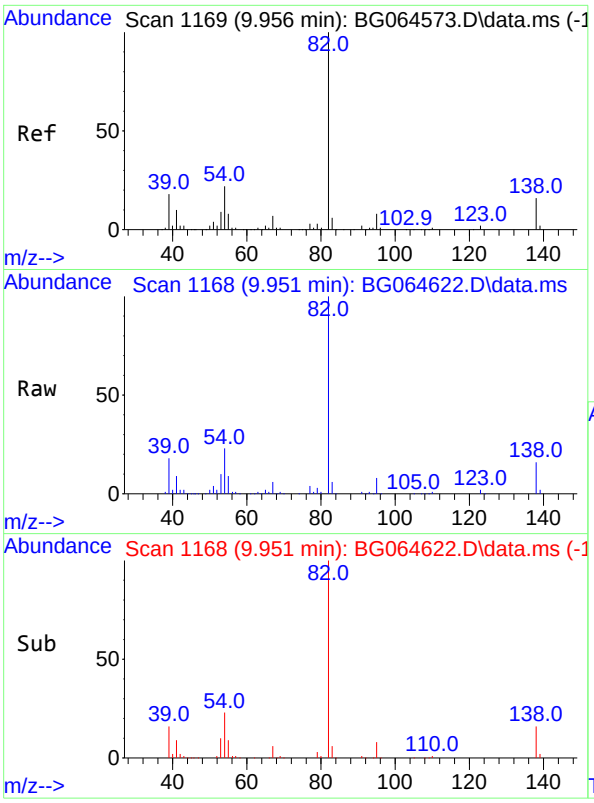


#24
Nitrobenzene
Concen: 47.891 ng
RT: 9.422 min Scan# 1078
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion: 77 Resp: 109545

Ion	Ratio	Lower	Upper
77	100		
123	40.7	31.0	46.6
65	16.5	12.7	19.1



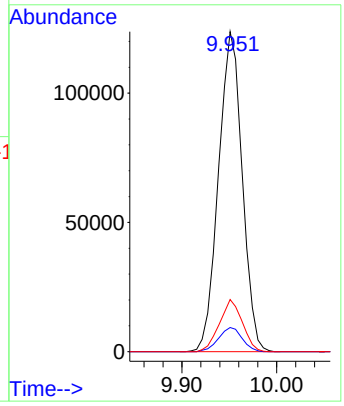


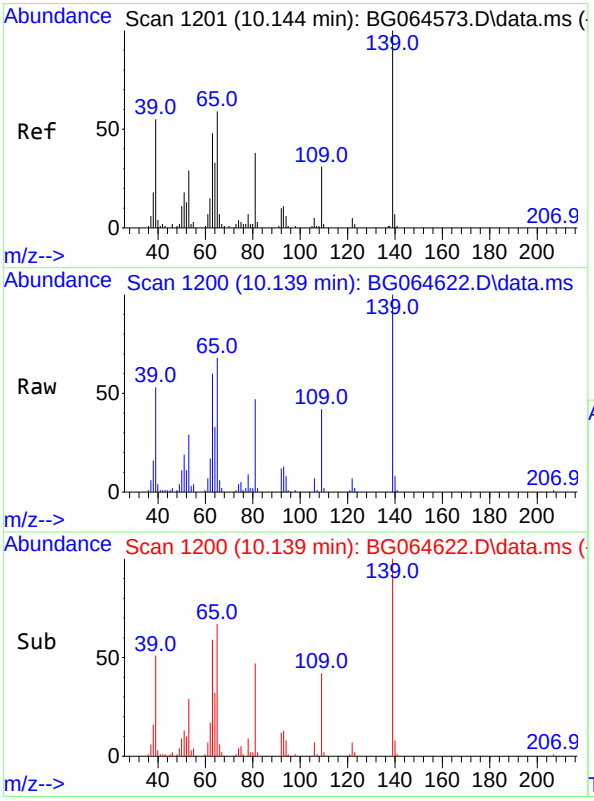
#25
Isophorone
Concen: 42.623 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.015 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion: 82 Resp: 215090

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.1	9.1
138	16.3	13.0	19.4

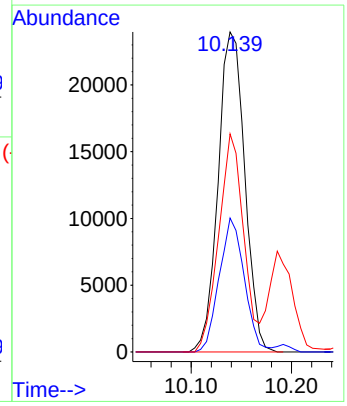




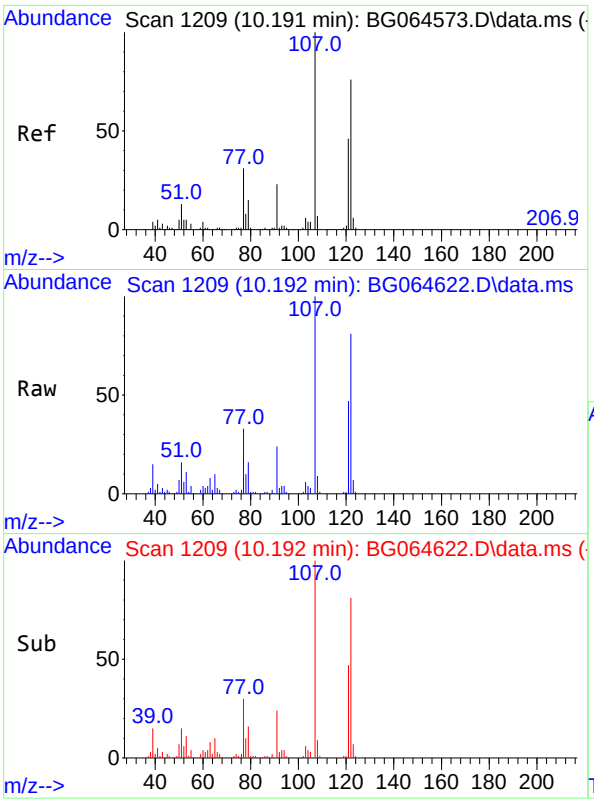
#26
2-Nitrophenol
Concen: 49.908 ng
RT: 10.139 min Scan# 1200
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:139 Resp: 44164

Ion	Ratio	Lower	Upper
139	100		
109	41.8	24.6	37.0#
65	68.2	47.5	71.3



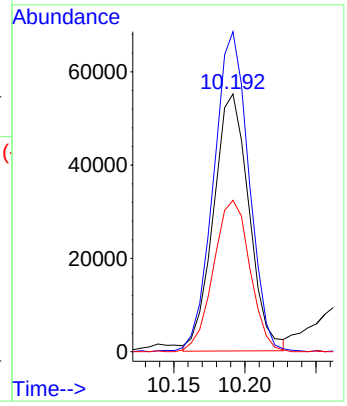
Instrument :
BNA_G
ClientSampleId :
PB170215BS

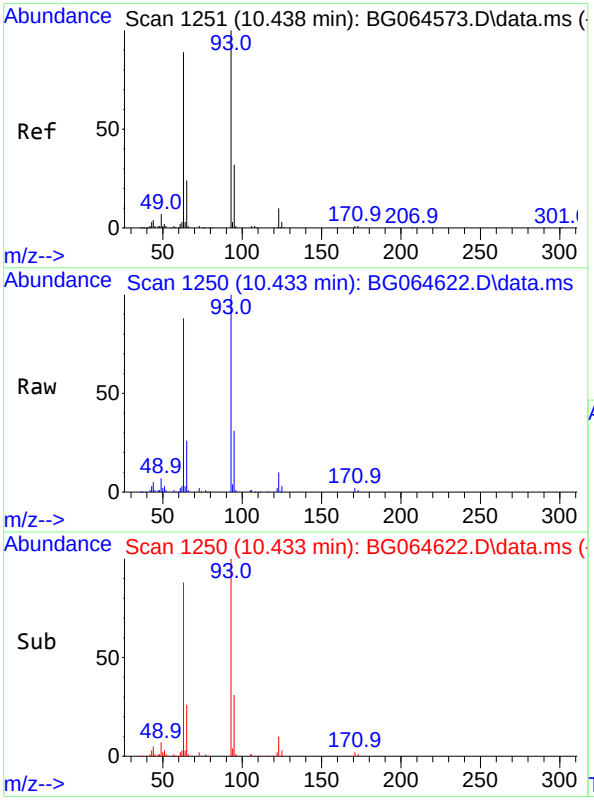


#27
2,4-Dimethylphenol
Concen: 49.980 ng
RT: 10.192 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:122 Resp: 95696

Ion	Ratio	Lower	Upper
122	100		
107	124.2	103.0	154.4
121	58.7	47.8	71.8

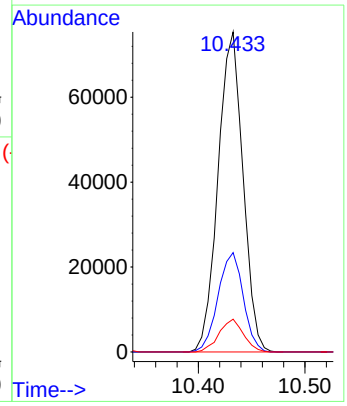


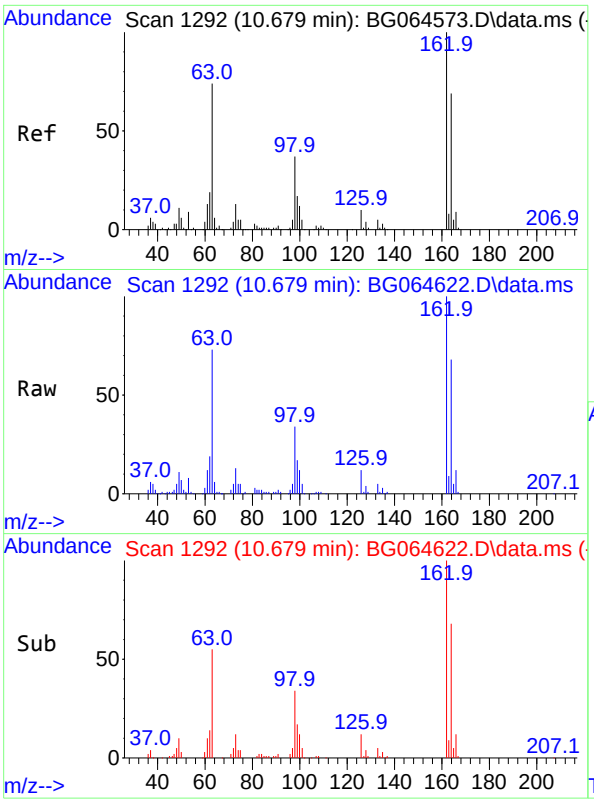


#28
bis(2-Chloroethoxy)methane
Concen: 42.458 ng
RT: 10.433 min Scan# 1250
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion: 93 Resp: 121990

Ion	Ratio	Lower	Upper
93	100		
95	31.0	25.4	38.2
123	10.3	8.4	12.6



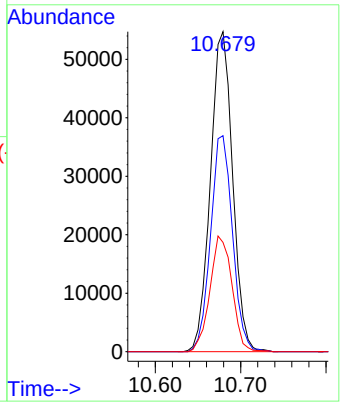


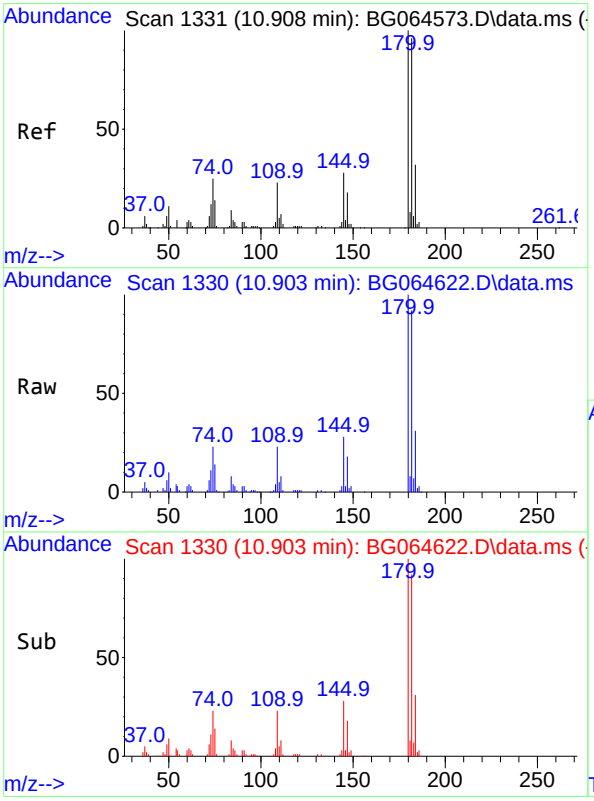
#29
2,4-Dichlorophenol
Concen: 49.036 ng
RT: 10.679 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:162 Resp: 99058

Ion	Ratio	Lower	Upper
162	100		
164	67.5	48.7	88.7
98	34.2	16.9	56.9

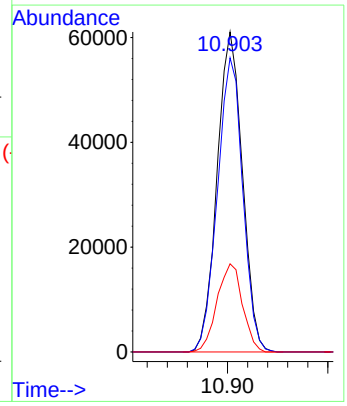




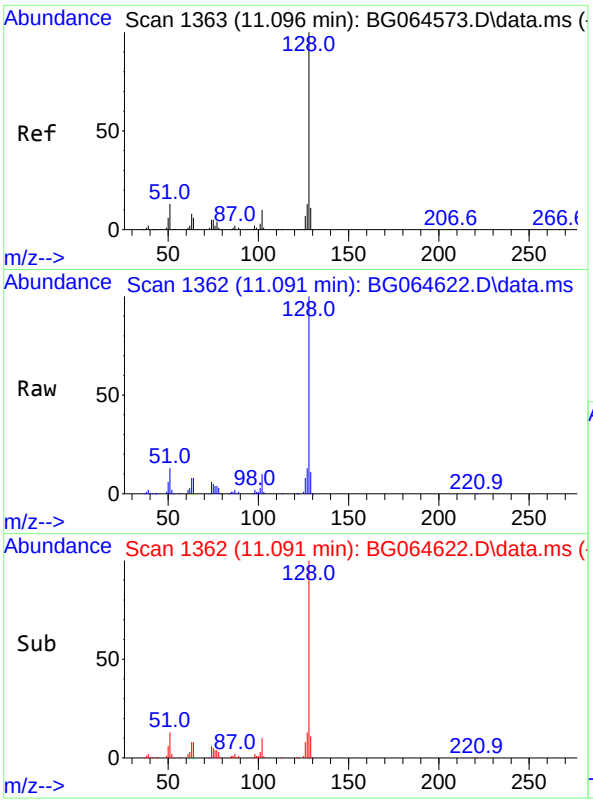
#30
1,2,4-Trichlorobenzene
Concen: 46.541 ng
RT: 10.903 min Scan# 1330
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:180 Resp: 106824

Ion	Ratio	Lower	Upper
180	100		
182	91.9	76.9	115.3
145	27.5	22.1	33.1



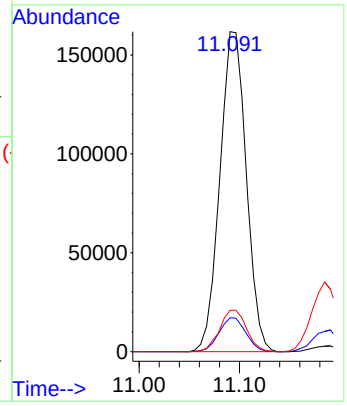
Instrument :
BNA_G
ClientSampleId :
PB170215BS

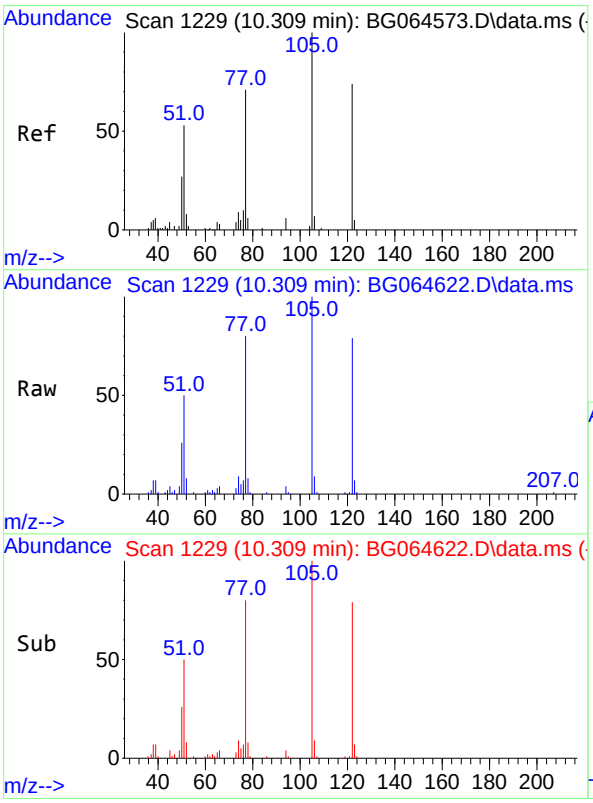


#31
Naphthalene
Concen: 42.229 ng
RT: 11.091 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:128 Resp: 295744

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	12.9	10.6	15.8

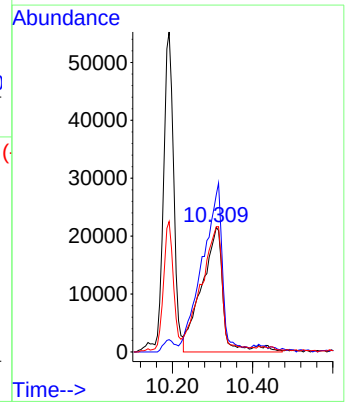


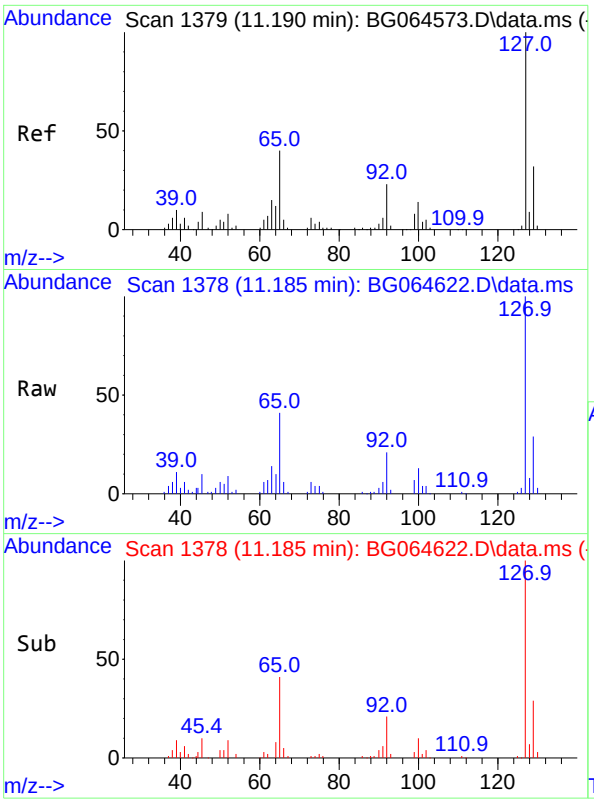


#32
Benzoic acid
Concen: 56.670 ng m
RT: 10.309 min Scan# 1229
Delta R.T. -0.033 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:122 Resp: 80232

Ion	Ratio	Lower	Upper
122	100		
105	126.3	104.2	144.2
77	100.4	70.2	110.2



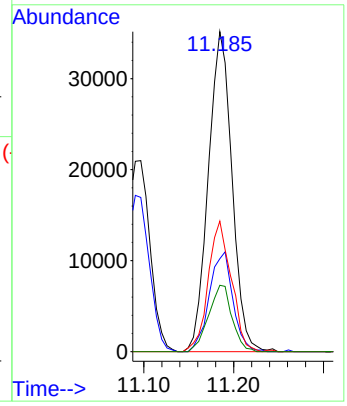


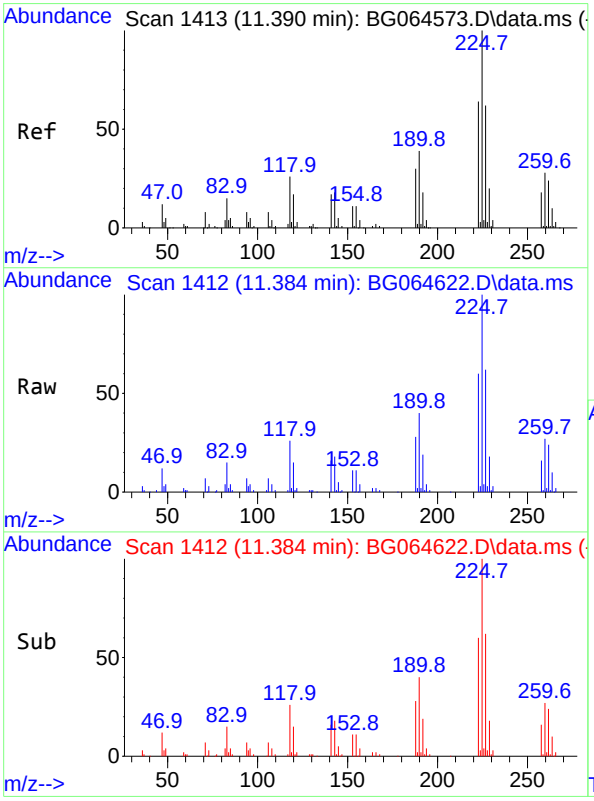
#33
4-Chloroaniline
Concen: 23.675 ng
RT: 11.185 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:127 Resp: 64445

Ion	Ratio	Lower	Upper
127	100		
129	29.0	25.5	38.3
65	40.8	32.2	48.4
92	20.7	18.2	27.2

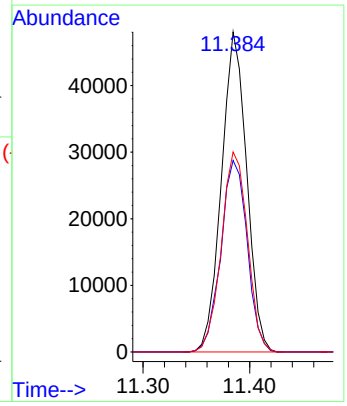


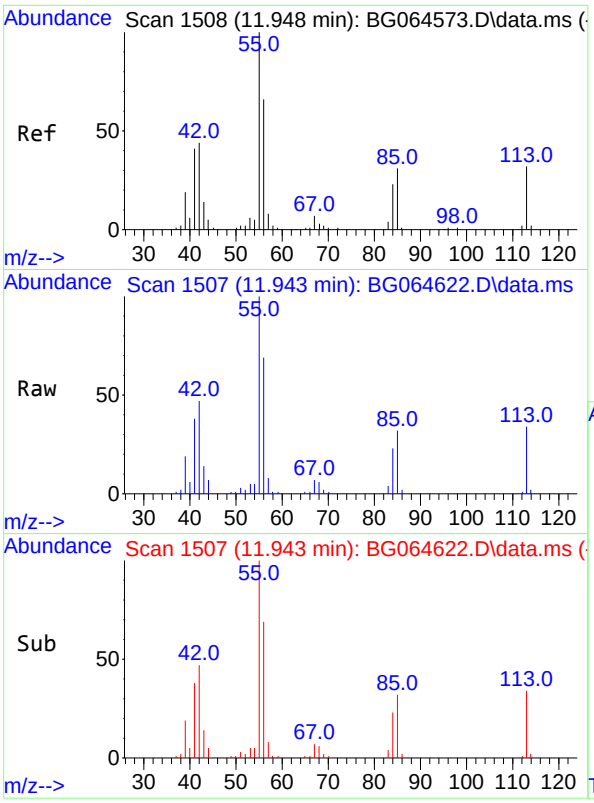


#34
Hexachlorobutadiene
Concen: 43.919 ng
RT: 11.384 min Scan# 1412
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:225 Resp: 78836

Ion	Ratio	Lower	Upper
225	100		
223	57.4	48.8	73.2
227	62.7	49.5	74.3



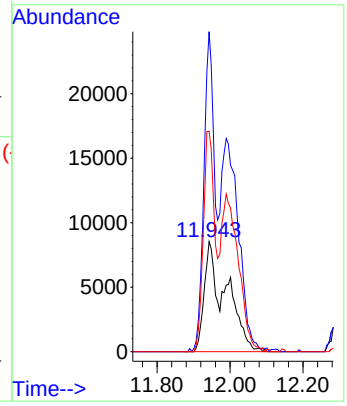


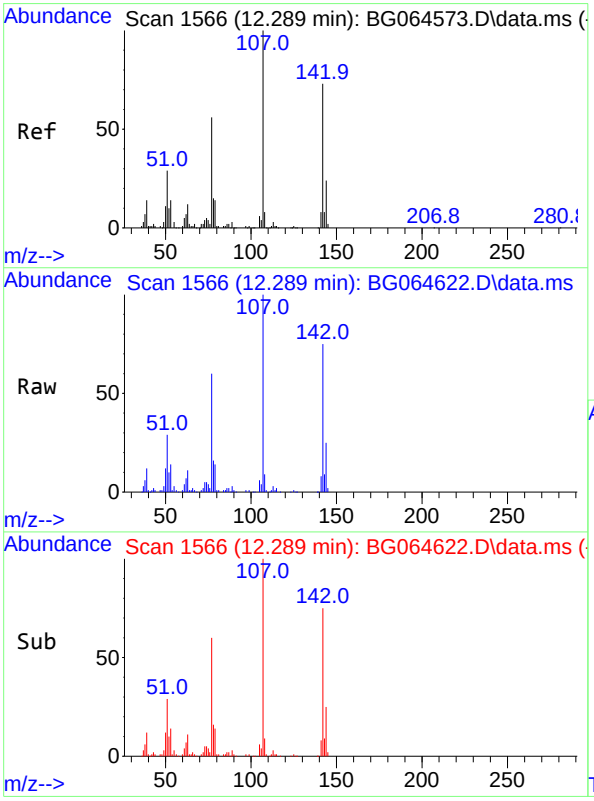
#35
Caprolactam
Concen: 45.563 ng m
RT: 11.943 min Scan# 1
Delta R.T. -0.032 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:113 Resp: 35302

Ion	Ratio	Lower	Upper
113	100		
55	290.8	290.1	330.1
56	200.3	183.8	223.8

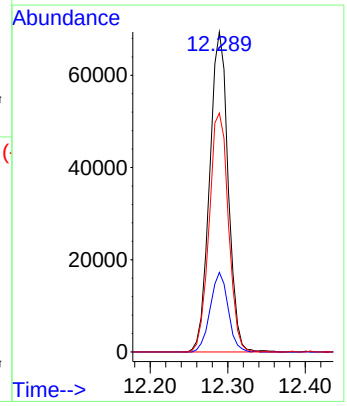


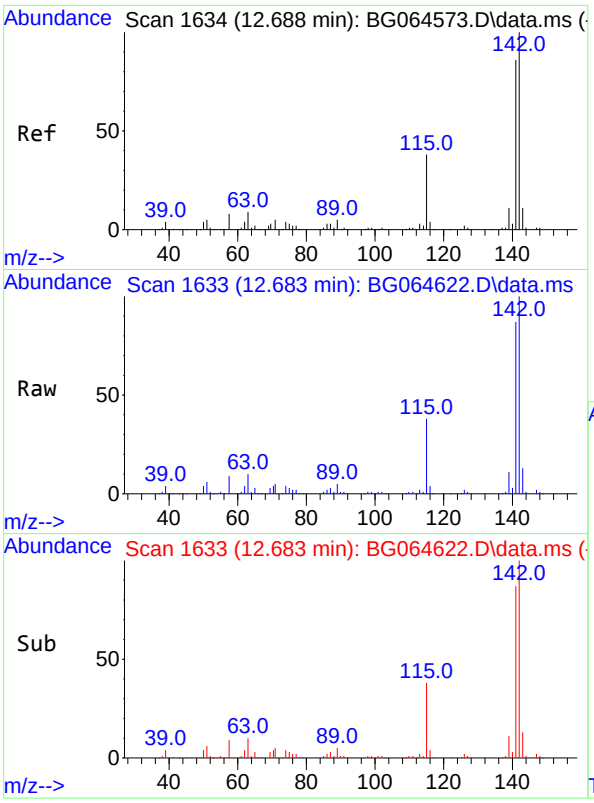


#36
4-Chloro-3-methylphenol
Concen: 47.506 ng
RT: 12.289 min Scan# 1566
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:107 Resp: 115355

Ion	Ratio	Lower	Upper
107	100		
144	24.9	19.1	28.7
142	74.6	58.6	87.8



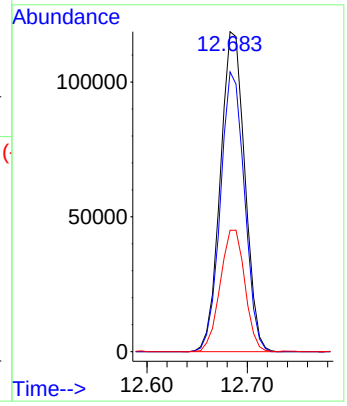


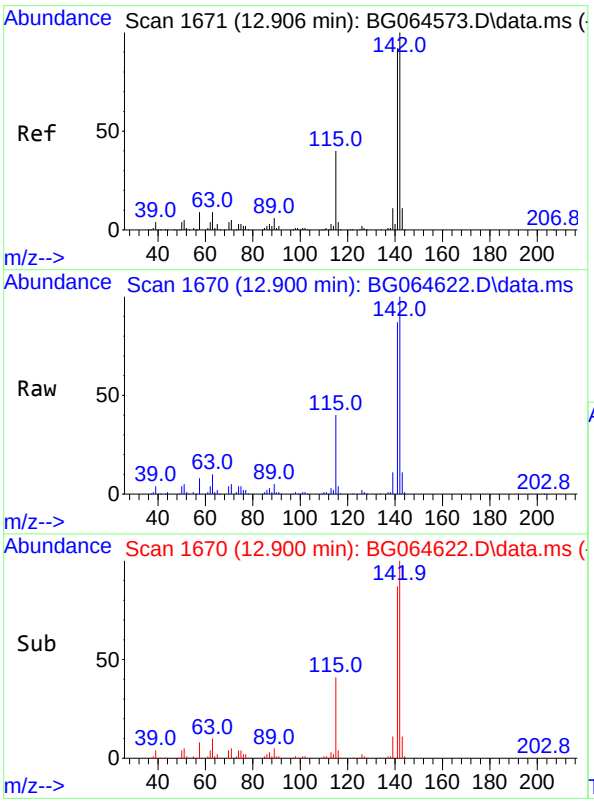
#37
2-Methylnaphthalene
Concen: 39.066 ng
RT: 12.683 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:142 Resp: 200867

Ion	Ratio	Lower	Upper
142	100		
141	87.5	68.9	103.3
115	38.0	30.6	46.0

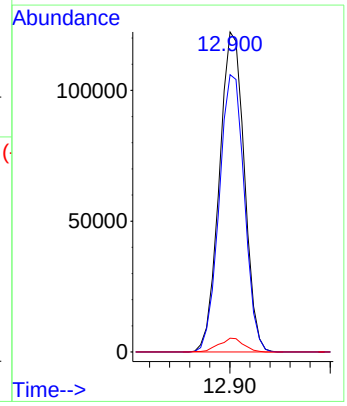


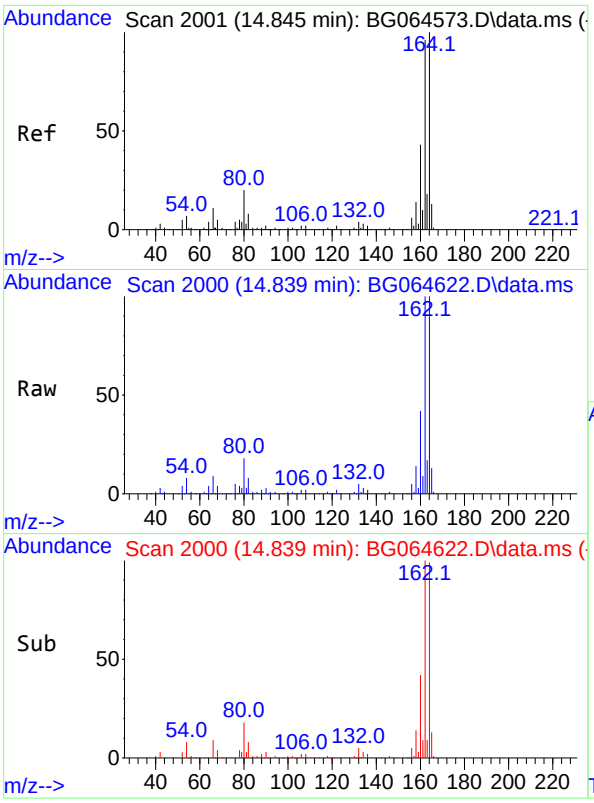


#38
1-Methylnaphthalene
Concen: 41.666 ng
RT: 12.900 min Scan# 1670
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:142 Resp: 210799

Ion	Ratio	Lower	Upper
142	100		
141	86.7	73.3	109.9
116	4.3	3.1	4.7



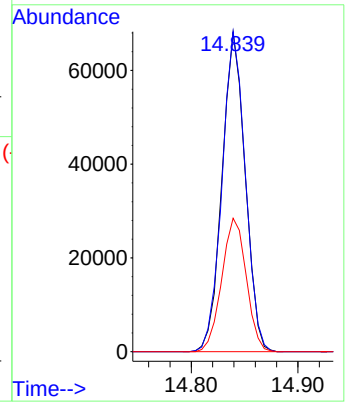


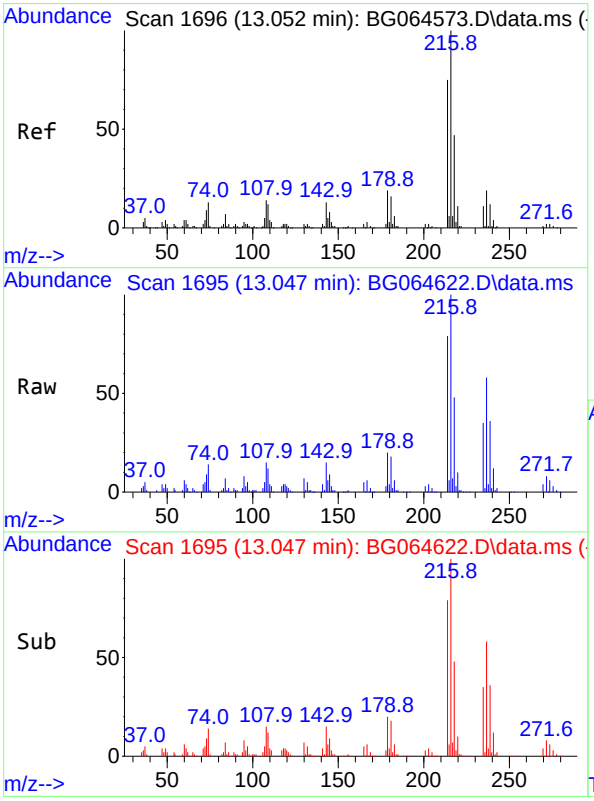
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:164 Resp: 102616

Ion	Ratio	Lower	Upper
164	100		
162	100.2	77.0	115.6
160	41.8	34.4	51.6

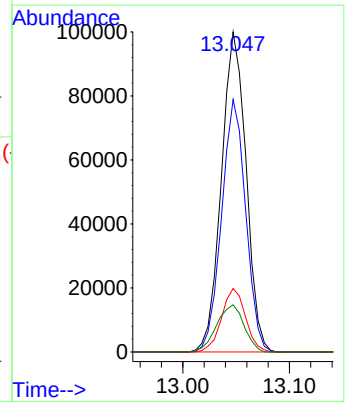


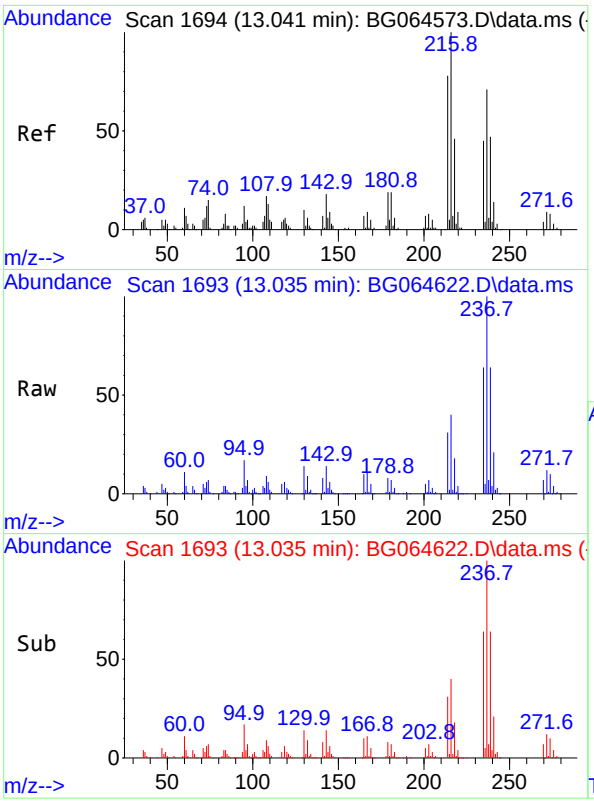


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.629 ng
RT: 13.047 min Scan# 1695
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:216 Resp: 160584

Ion	Ratio	Lower	Upper
216	100		
214	77.1	61.4	92.2
179	19.2	15.4	23.0
108	16.3	11.8	17.6



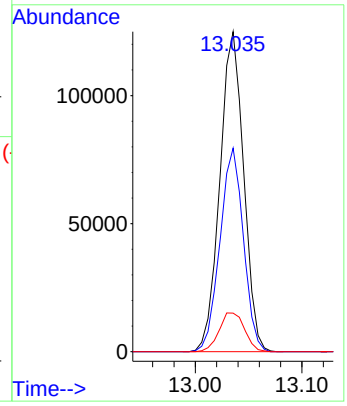


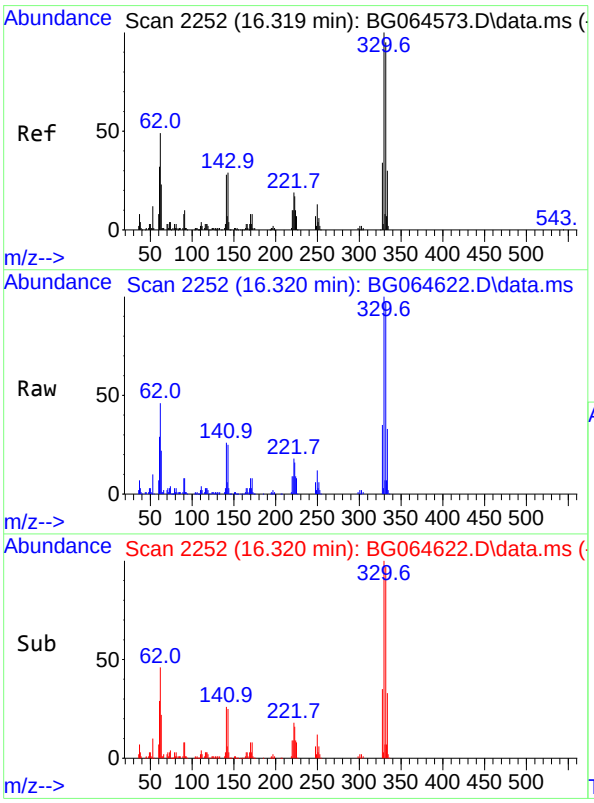
#41
Hexachlorocyclopentadiene
Concen: 124.589 ng
RT: 13.035 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:237 Resp: 193126

Ion	Ratio	Lower	Upper
237	100		
235	63.6	44.1	84.1
272	12.1	0.0	32.4

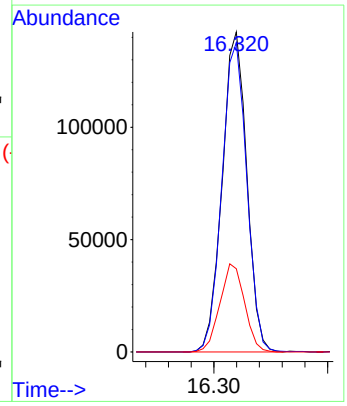


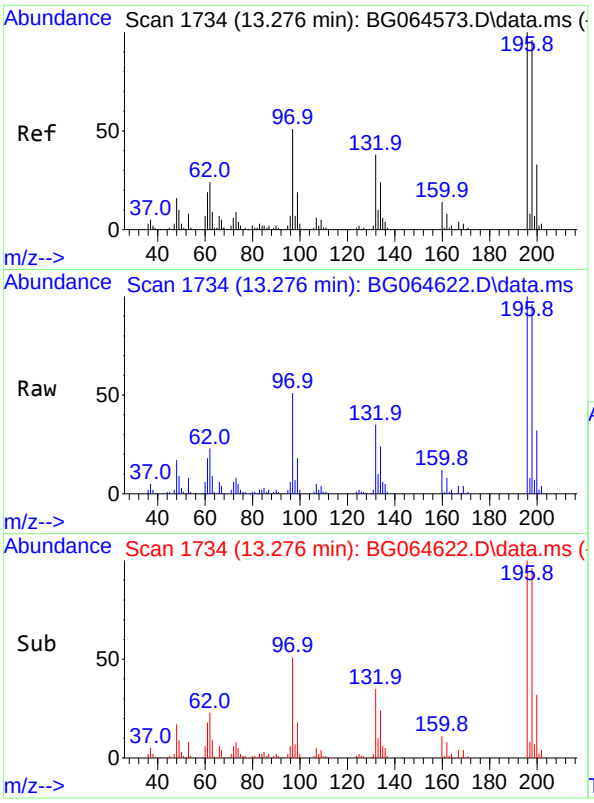


#42
2,4,6-Tribromophenol
Concen: 144.224 ng
RT: 16.320 min Scan# 2252
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:330 Resp: 213604

Ion	Ratio	Lower	Upper
330	100		
332	97.7	78.0	117.0
141	27.7	21.8	32.6



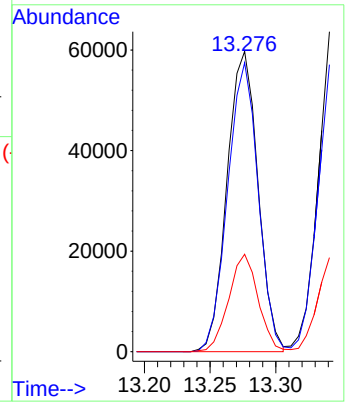


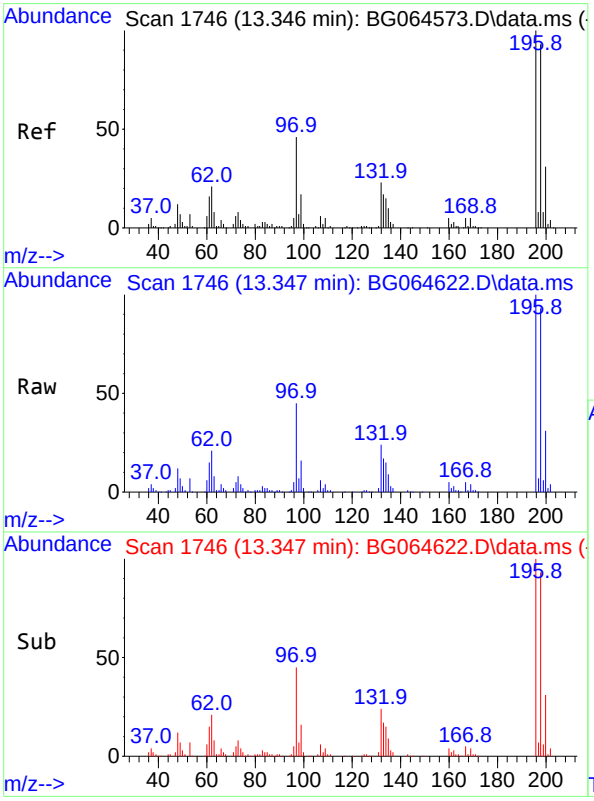
#43
2,4,6-Trichlorophenol
Concen: 49.656 ng
RT: 13.276 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:196 Resp: 97819

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.6	115.0
200	32.5	26.0	39.0

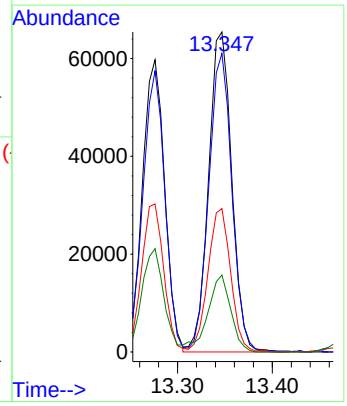


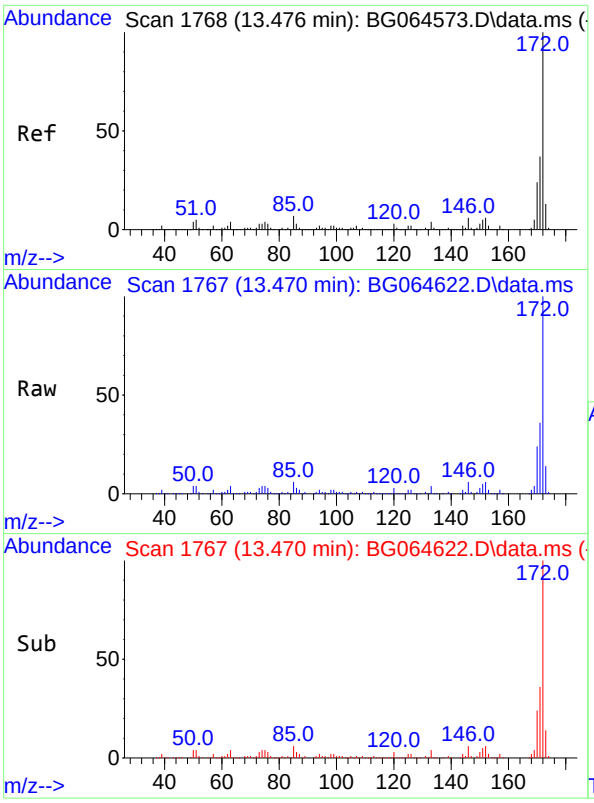


#44
2,4,5-Trichlorophenol
Concen: 48.976 ng
RT: 13.347 min Scan# 1746
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:196 Resp: 111336

Ion	Ratio	Lower	Upper
196	100		
198	93.3	74.2	111.4
97	44.8	37.0	55.6
132	24.0	18.5	27.7



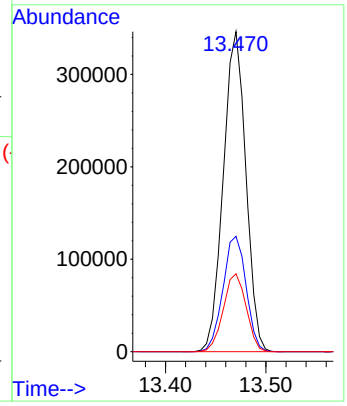


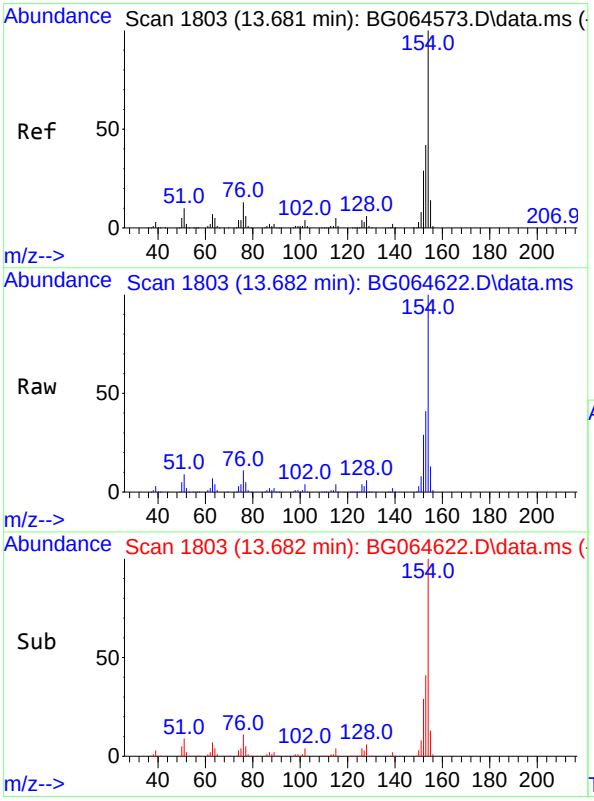
#45
2-Fluorobiphenyl
Concen: 79.642 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:172 Resp: 539175

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.4	19.1	28.7

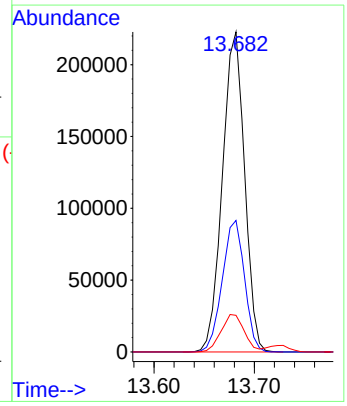


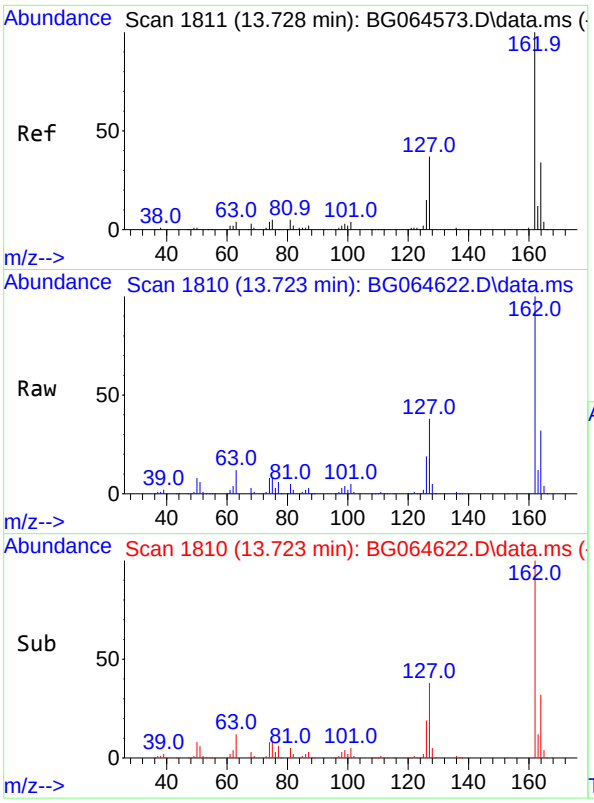


#46
1,1'-Biphenyl
Concen: 46.801 ng
RT: 13.682 min Scan# 1803
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:154 Resp: 341429

Ion	Ratio	Lower	Upper
154	100		
153	41.1	22.4	62.4
76	11.4	0.0	33.5



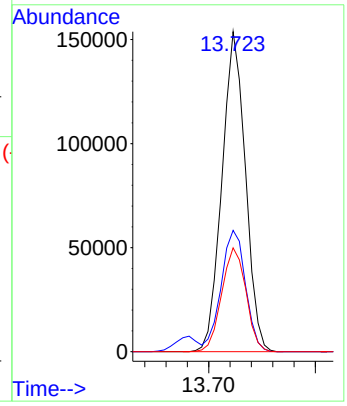


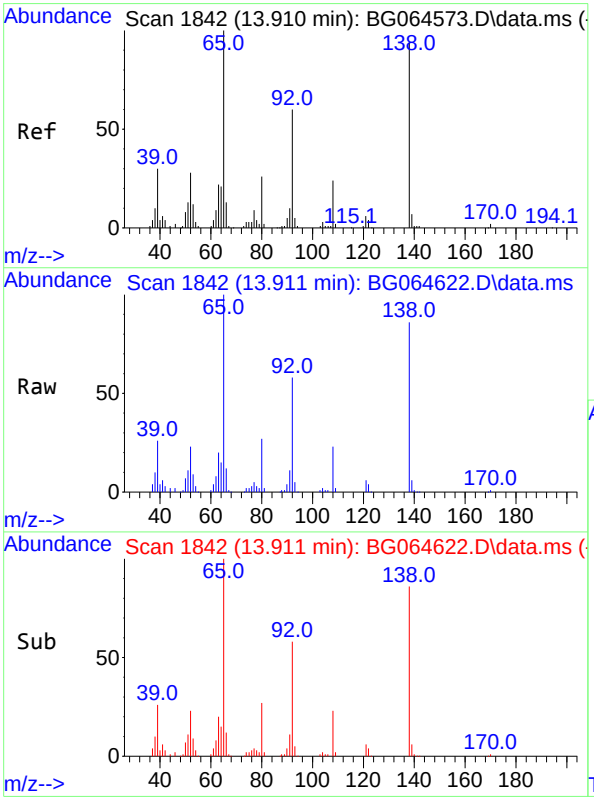
#47
2-Chloronaphthalene
Concen: 42.637 ng
RT: 13.723 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:162 Resp: 234788

Ion	Ratio	Lower	Upper
162	100		
127	37.9	32.2	48.2
164	32.4	27.5	41.3

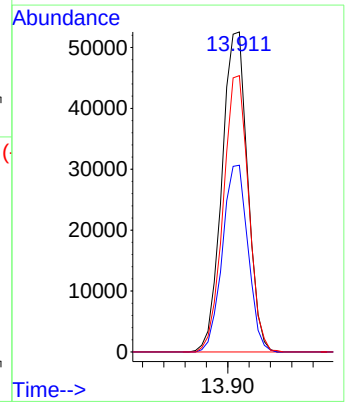


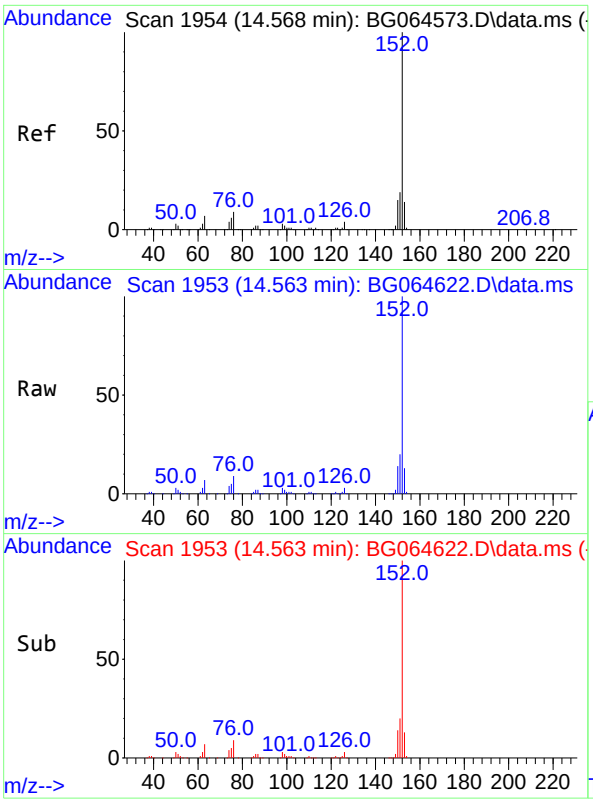


#48
2-Nitroaniline
Concen: 47.555 ng
RT: 13.911 min Scan# 1842
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion: 65 Resp: 87853

Ion	Ratio	Lower	Upper
65	100		
92	58.4	48.3	72.5
138	86.3	74.9	112.3



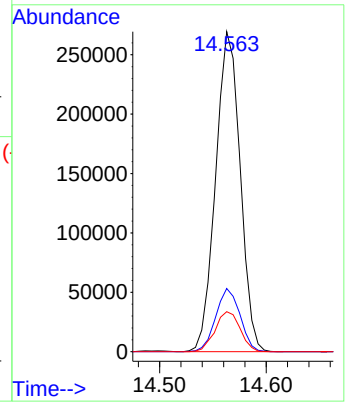


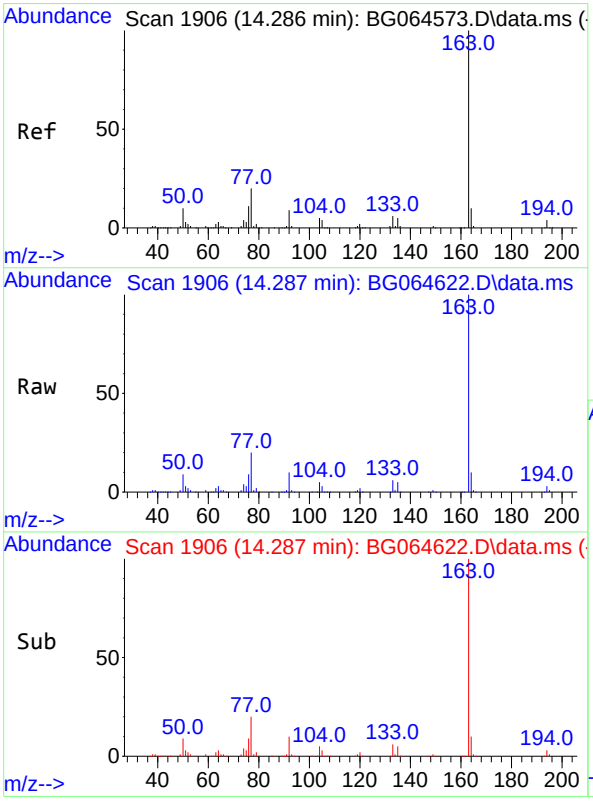
#49
Acenaphthylene
Concen: 49.562 ng
RT: 14.563 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:152 Resp: 430487

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	12.5	11.0	16.4

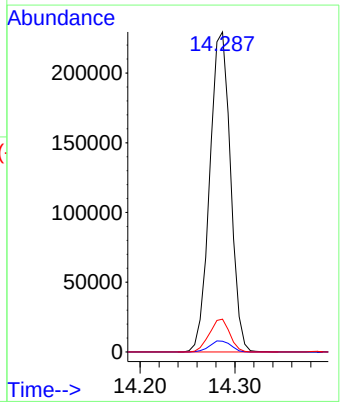


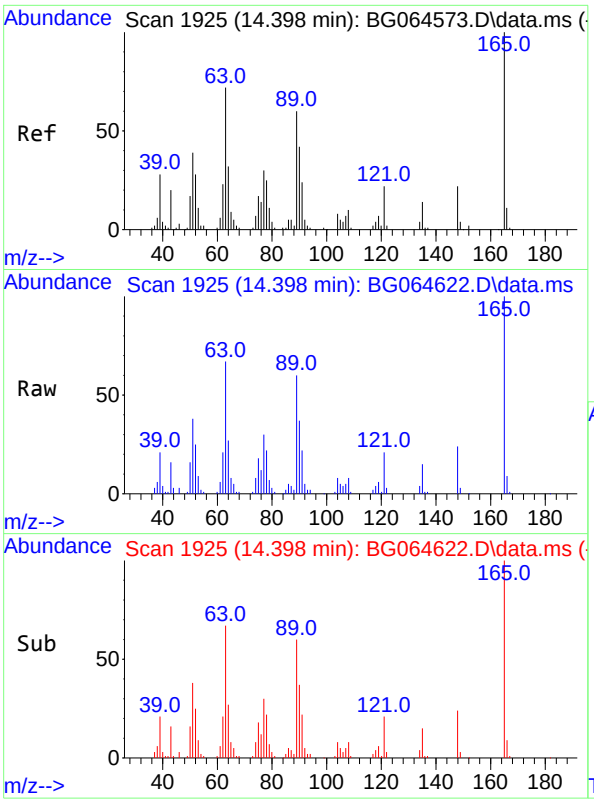


#50
Dimethylphthalate
Concen: 44.275 ng
RT: 14.287 min Scan# 1906
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:163 Resp: 347656

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	10.2	7.7	11.5



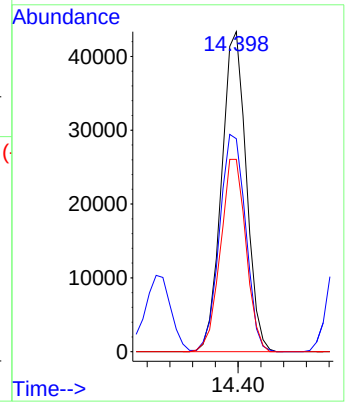


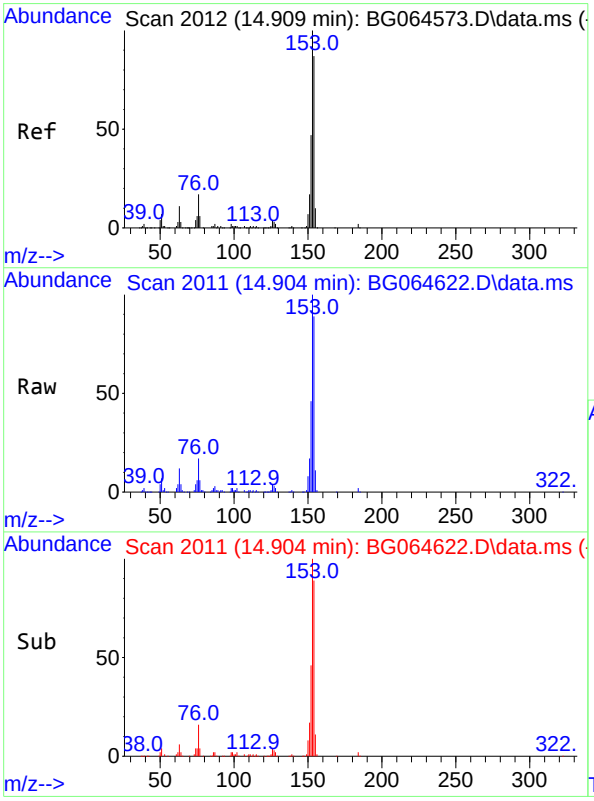
#51
2,6-Dinitrotoluene
Concen: 50.188 ng
RT: 14.398 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:165 Resp: 65227

Ion	Ratio	Lower	Upper
165	100		
63	66.6	57.4	86.0
89	60.1	47.8	71.8

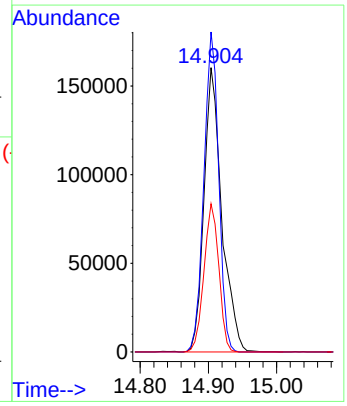


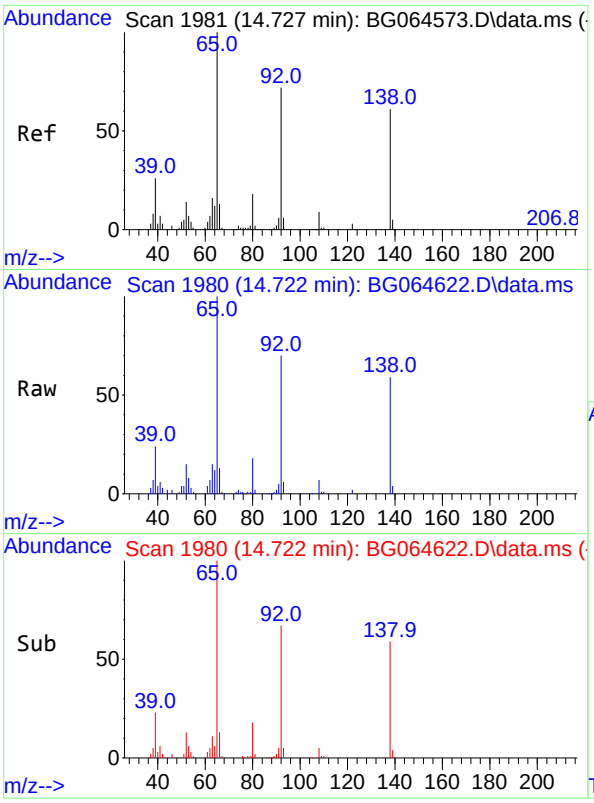


#52
Acenaphthene
Concen: 49.021 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:154 Resp: 290908

Ion	Ratio	Lower	Upper
154	100		
153	112.6	92.2	138.4
152	52.1	43.2	64.8



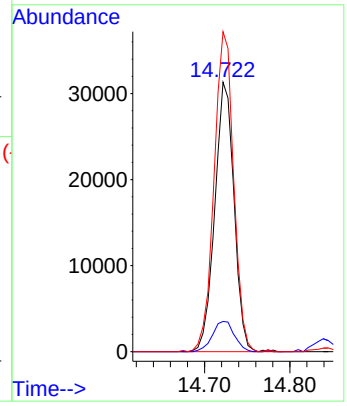


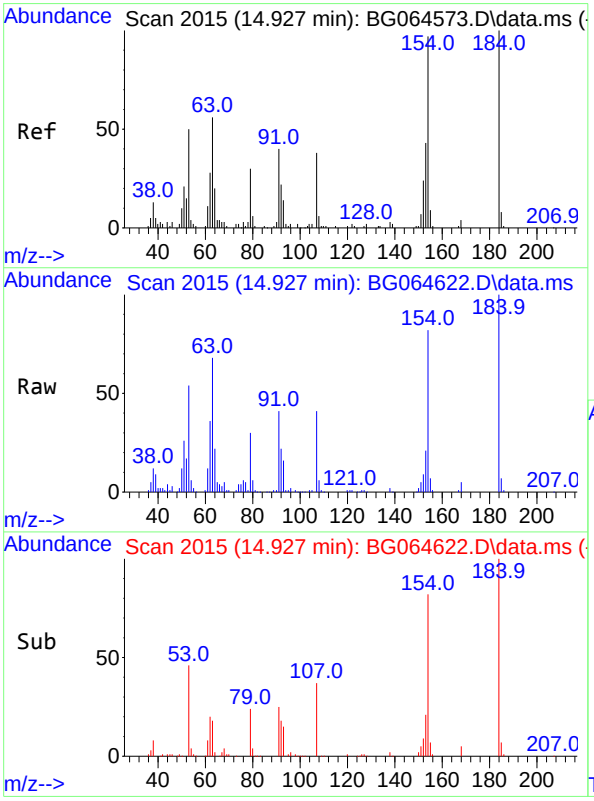
#53
3-Nitroaniline
Concen: 36.402 ng
RT: 14.722 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:138 Resp: 49122

Ion	Ratio	Lower	Upper
138	100		
108	11.2	11.4	17.0#
92	118.7	95.3	142.9

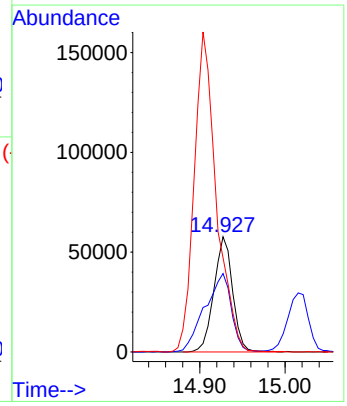


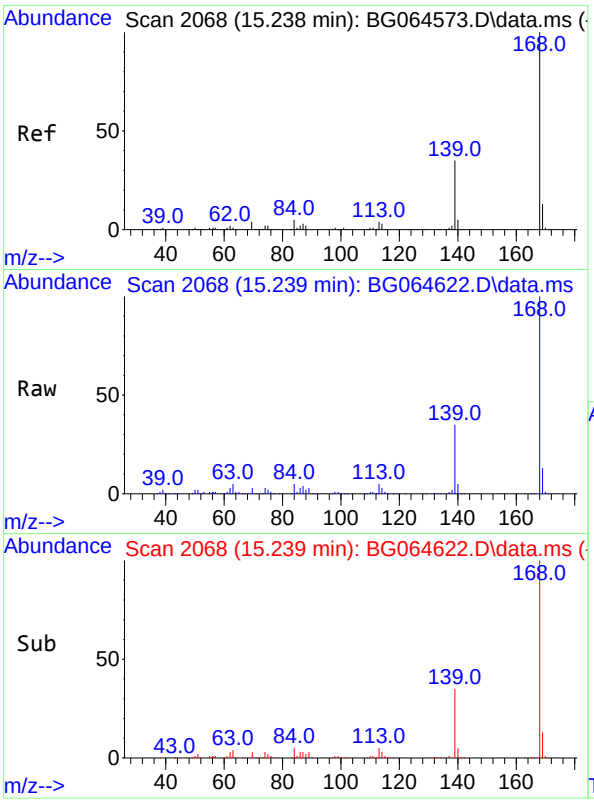


#54
2,4-Dinitrophenol
Concen: 108.602 ng
RT: 14.927 min Scan# 2015
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:184 Resp: 88044

Ion	Ratio	Lower	Upper
184	100		
63	68.2	56.6	85.0
154	81.9	158.6	238.0#



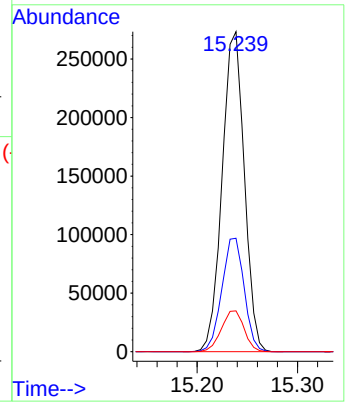


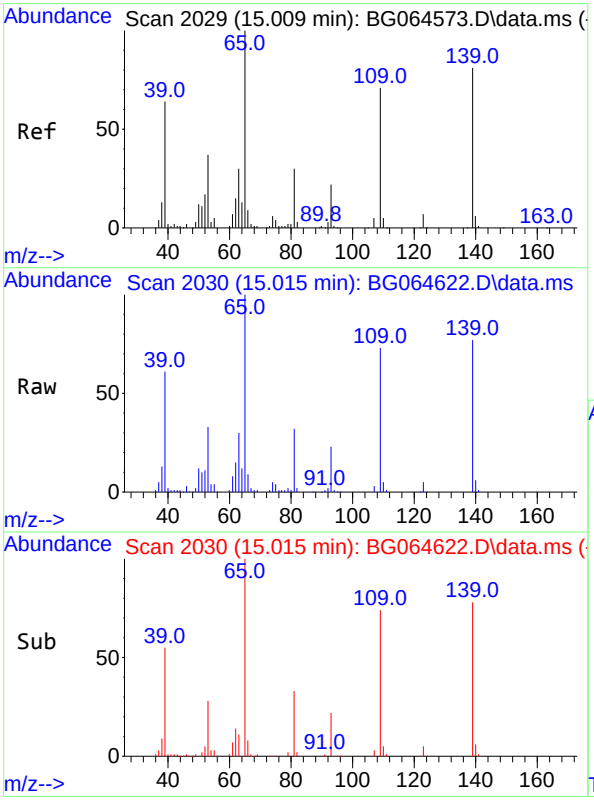
#55
Dibenzofuran
Concen: 43.618 ng
RT: 15.239 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:168 Resp: 418469

Ion	Ratio	Lower	Upper
168	100		
139	35.5	27.8	41.8
169	12.8	10.3	15.5

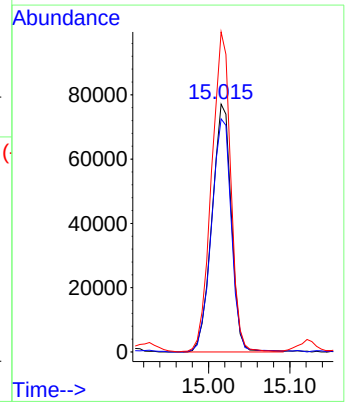


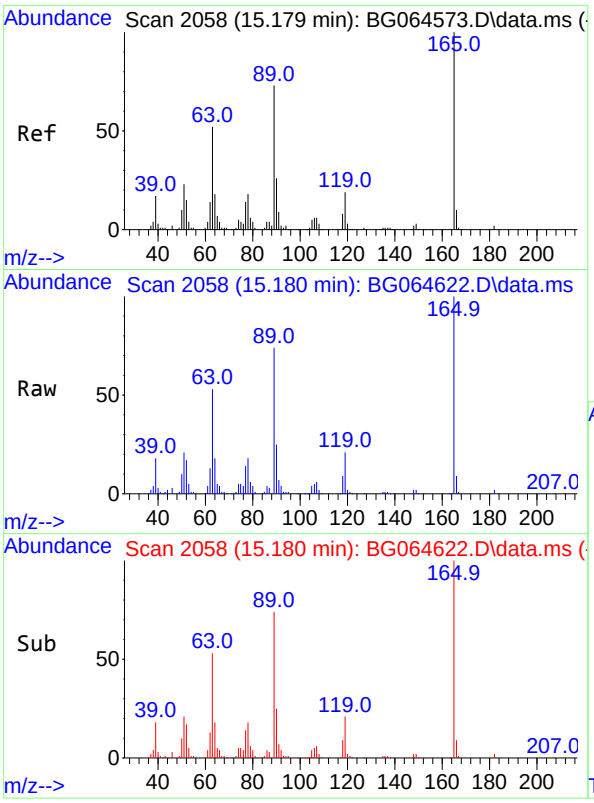


#56
4-Nitrophenol
Concen: 102.115 ng
RT: 15.015 min Scan# 2030
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:139 Resp: 127758

Ion	Ratio	Lower	Upper
139	100		
109	94.1	67.8	107.8
65	129.1	103.7	143.7



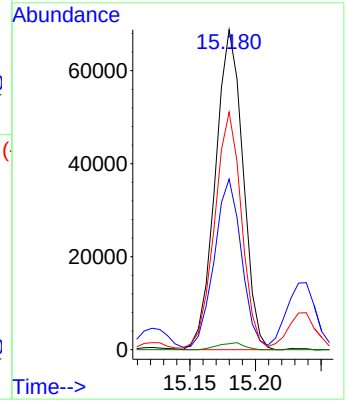


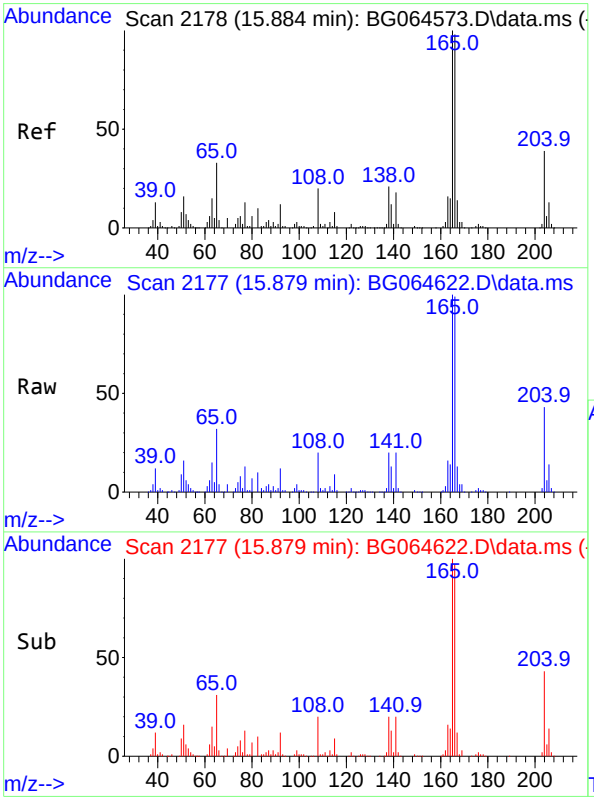
#57
2,4-Dinitrotoluene
Concen: 50.198 ng
RT: 15.180 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:165 Resp: 100857

Ion	Ratio	Lower	Upper
165	100		
63	53.3	41.8	62.8
89	74.2	58.1	87.1
182	1.8	1.4	2.0

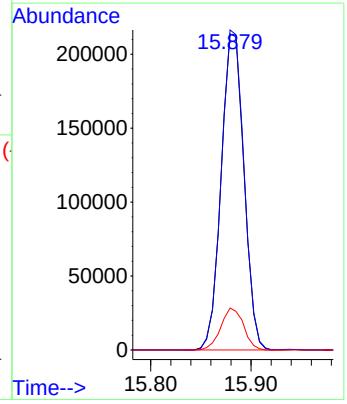


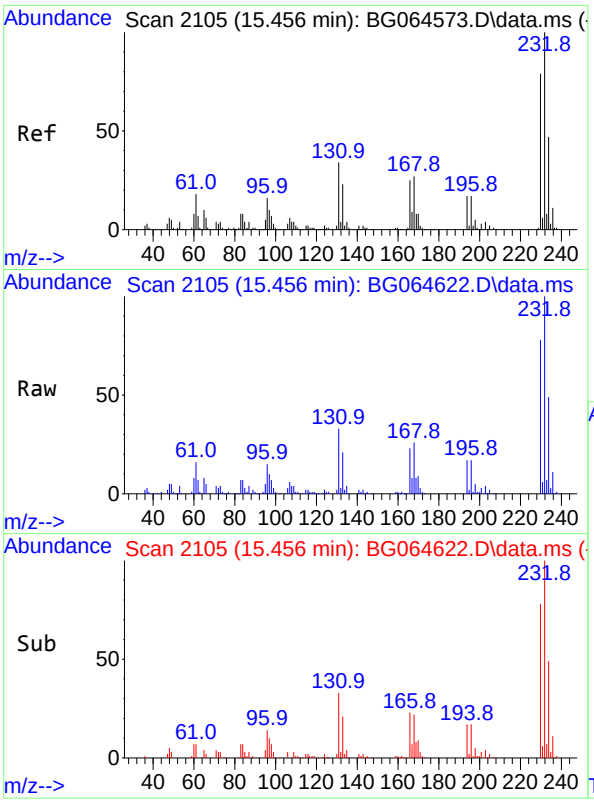


#58
Fluorene
Concen: 44.792 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:166 Resp: 335610

Ion	Ratio	Lower	Upper
166	100		
165	101.3	81.5	122.3
167	13.3	11.4	17.0



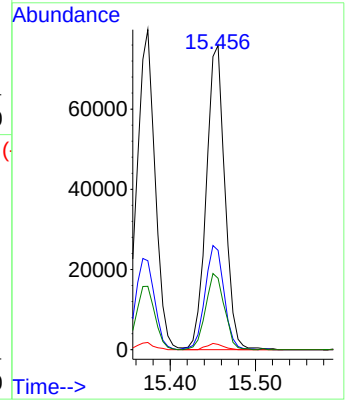


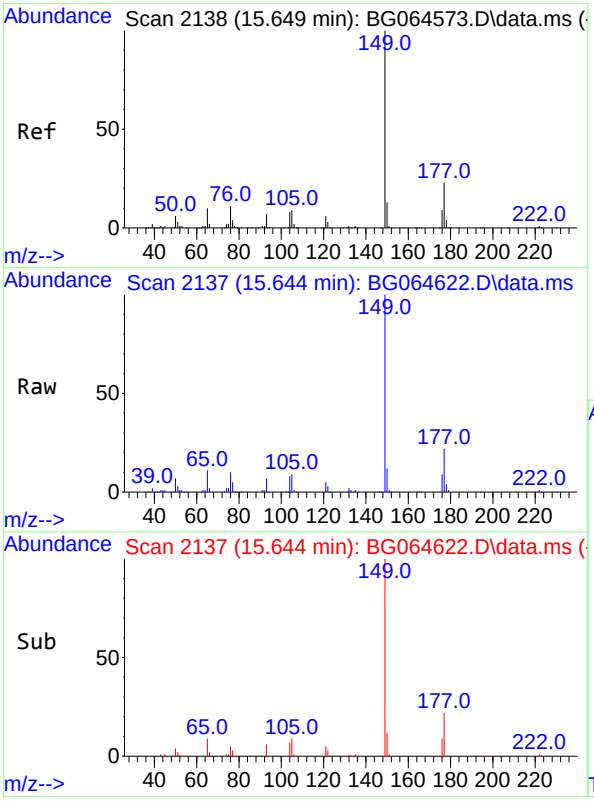
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.720 ng
RT: 15.456 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:232 Resp: 114603

Ion	Ratio	Lower	Upper
232	100		
131	35.2	26.7	40.1
130	1.8	1.6	2.4
166	25.4	20.5	30.7

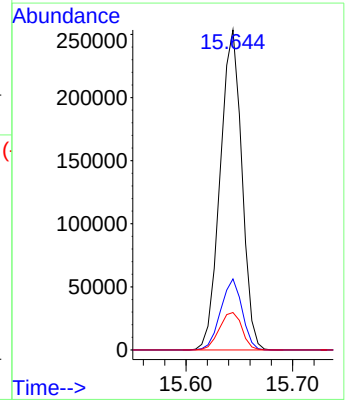


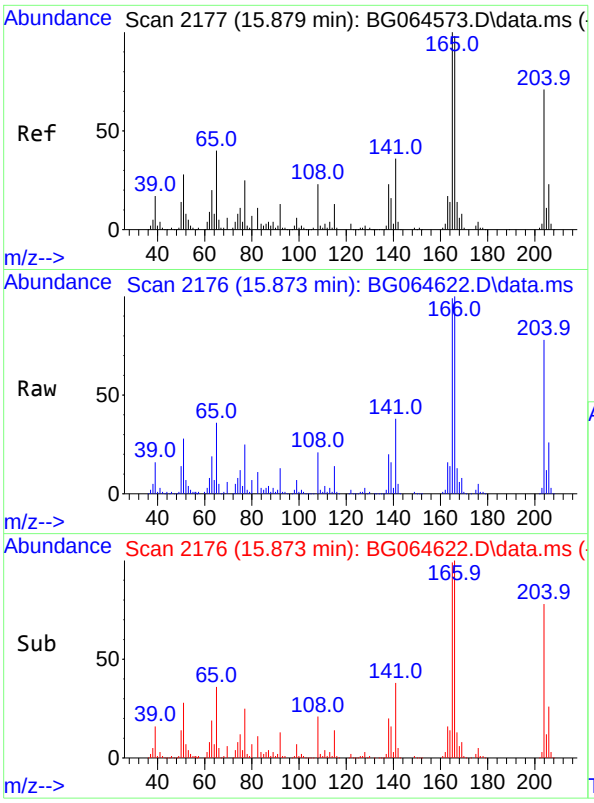


#60
Diethylphthalate
Concen: 44.576 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:149 Resp: 357386

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.0	27.0
150	11.7	10.2	15.4



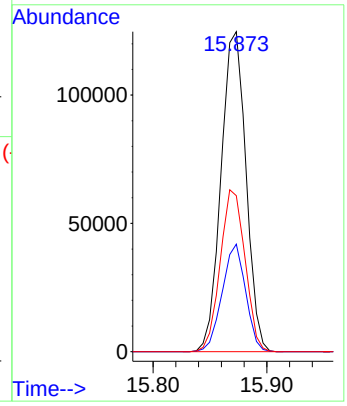


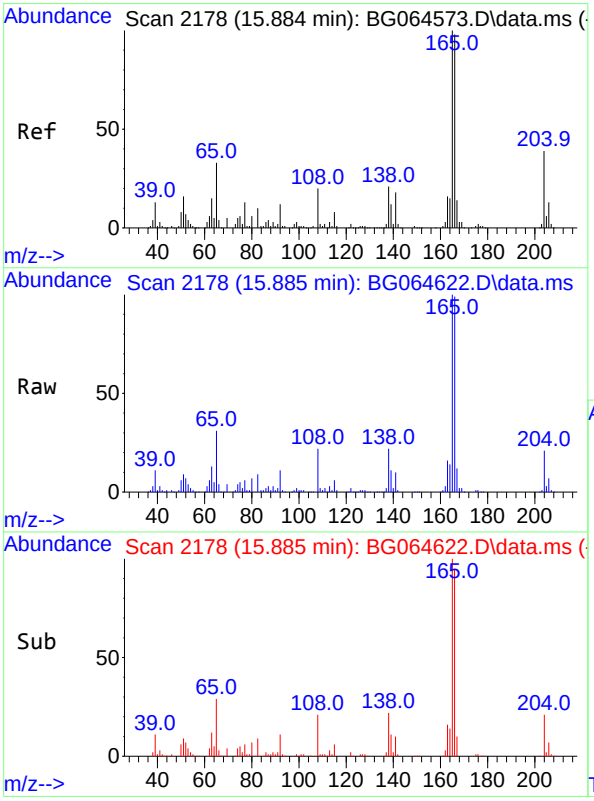
#61
4-Chlorophenyl-phenylether
Concen: 45.190 ng
RT: 15.873 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:204 Resp: 190016

Ion	Ratio	Lower	Upper
204	100		
206	33.6	25.6	38.4
141	48.8	40.6	60.8

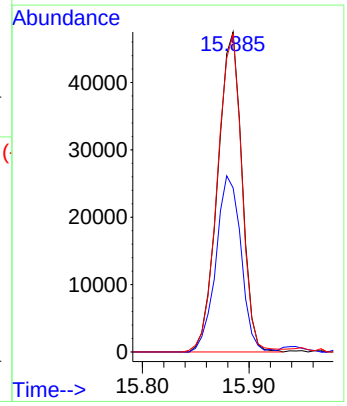


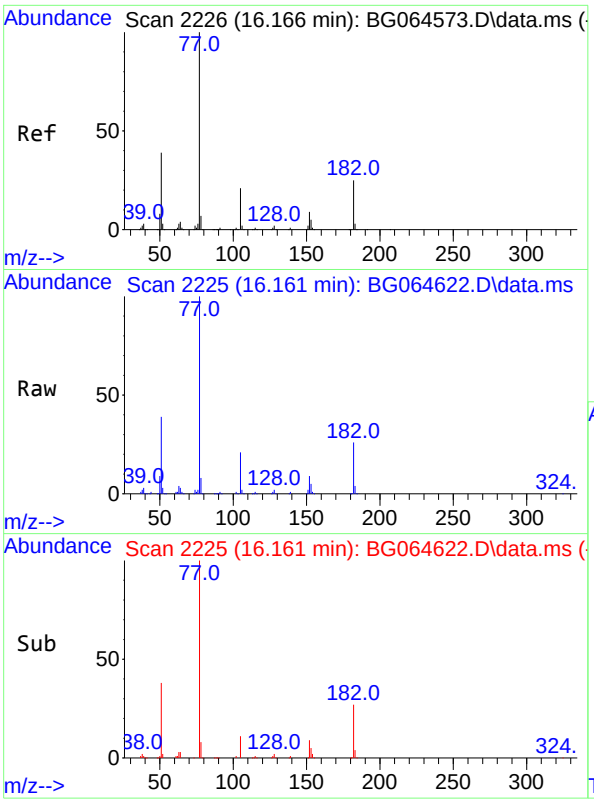


#62
4-Nitroaniline
Concen: 49.873 ng
RT: 15.885 min Scan# 2178
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:138 Resp: 74872

Ion	Ratio	Lower	Upper
138	100		
92	51.2	36.1	76.1
108	99.4	75.6	115.6



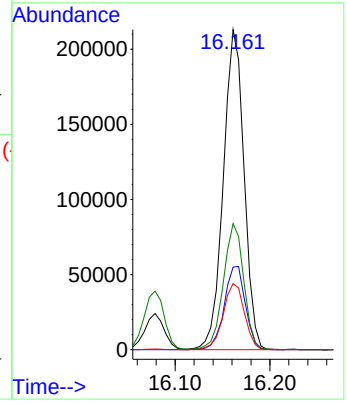


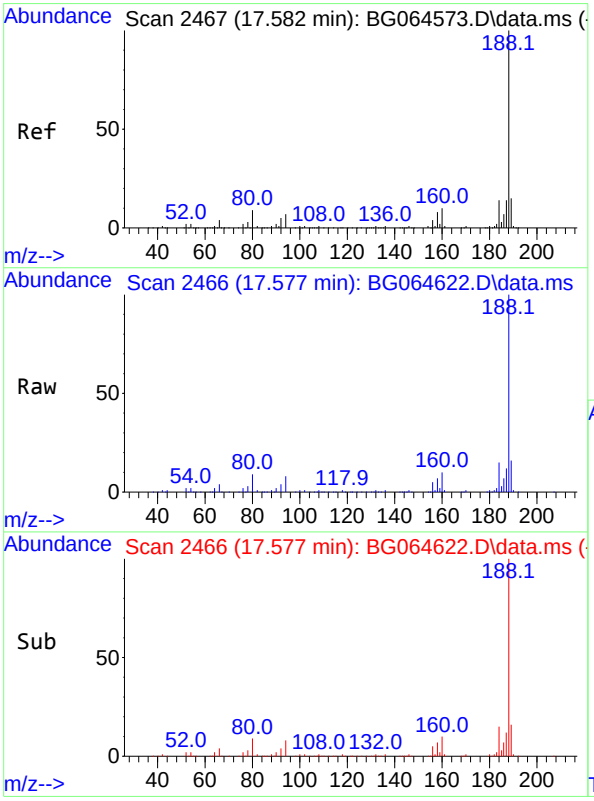
#63
Azobenzene
Concen: 44.003 ng
RT: 16.161 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion: 77 Resp: 323701

Ion	Ratio	Lower	Upper
77	100		
182	25.8	4.9	44.9
105	20.7	1.3	41.3
51	39.4	19.0	59.0

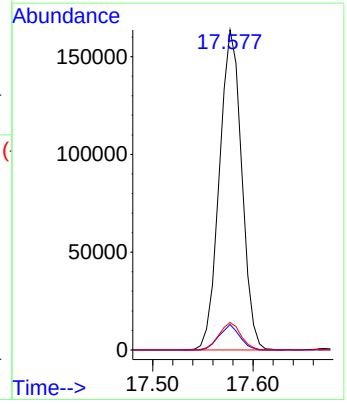


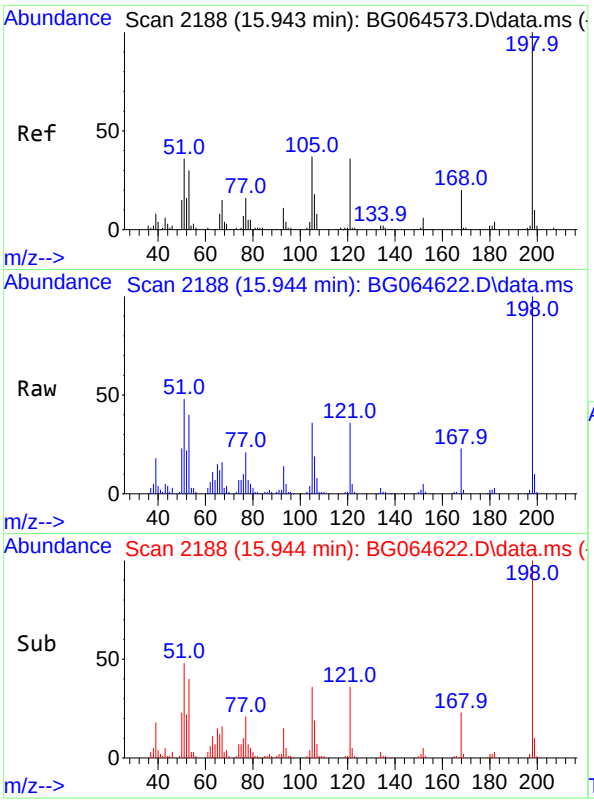


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:188 Resp: 252758

Ion	Ratio	Lower	Upper
188	100		
94	7.9	5.7	8.5
80	8.6	6.8	10.2



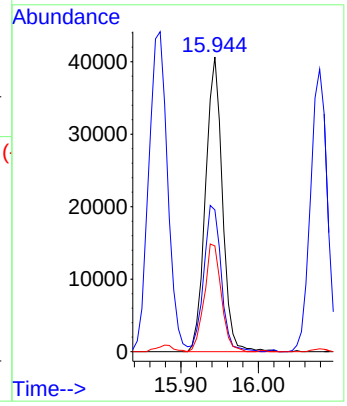


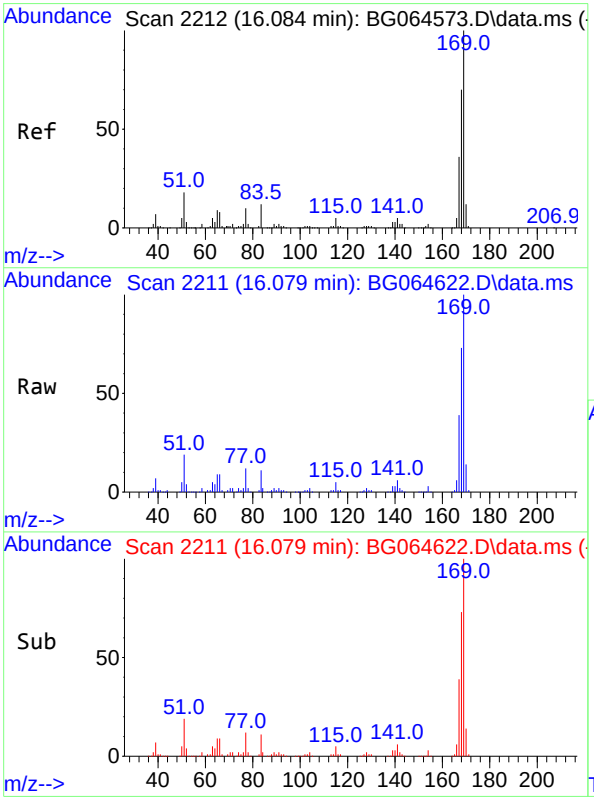
#65
4,6-Dinitro-2-methylphenol
Concen: 54.580 ng
RT: 15.944 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:198 Resp: 61637

Ion	Ratio	Lower	Upper
198	100		
51	48.1	24.7	64.7
105	35.9	18.0	58.0

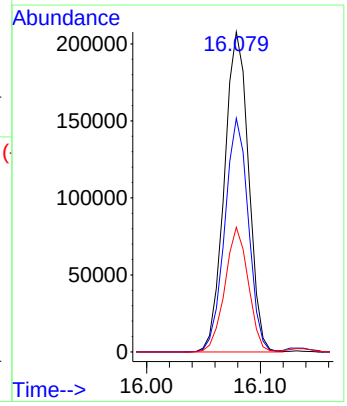


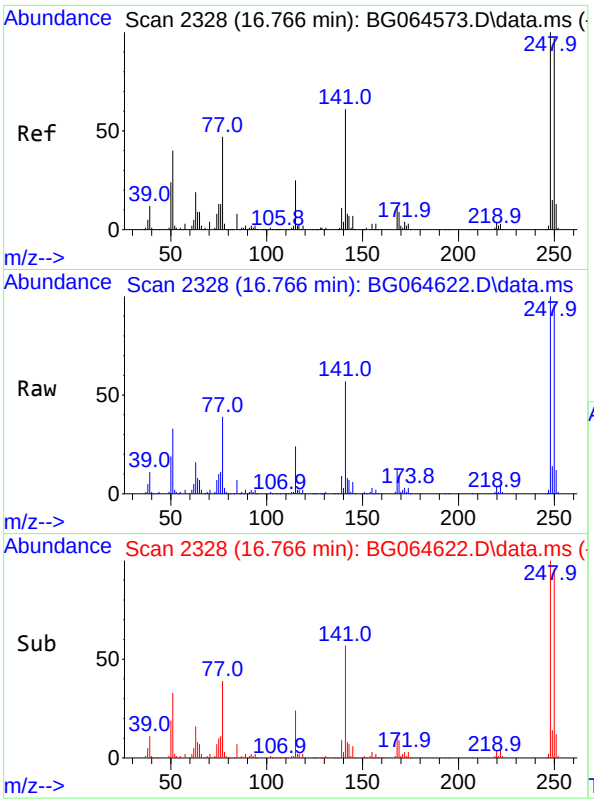


#66
n-Nitrosodiphenylamine
Concen: 45.018 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:169 Resp: 307367

Ion	Ratio	Lower	Upper
169	100		
168	73.0	56.3	84.5
167	39.0	29.0	43.6



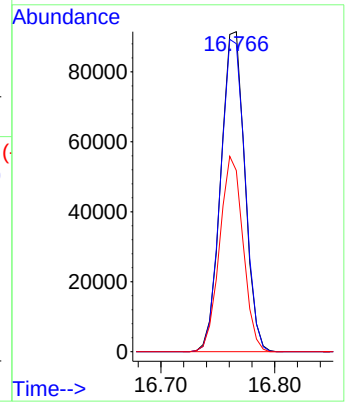


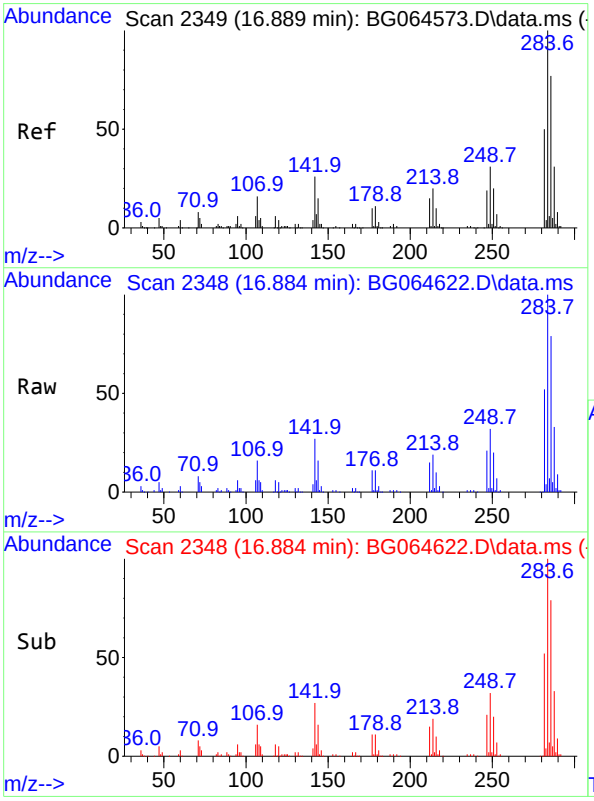
#67
4-Bromophenyl-phenylether
Concen: 44.682 ng
RT: 16.766 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:248 Resp: 133834

Ion	Ratio	Lower	Upper
248	100		
250	96.3	77.7	116.5
141	56.6	48.6	72.8

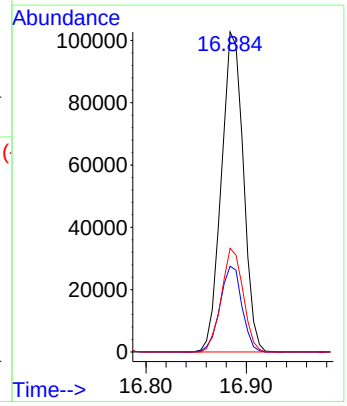


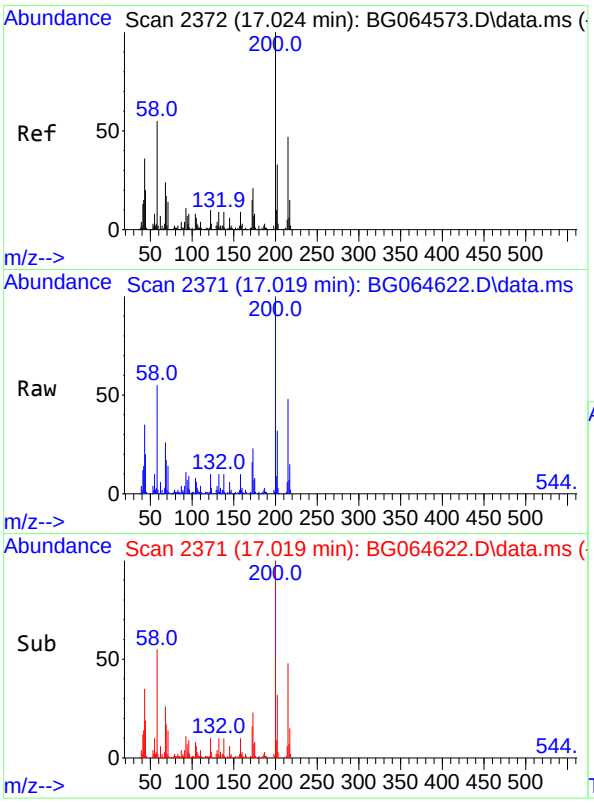


#68
Hexachlorobenzene
Concen: 45.618 ng
RT: 16.884 min Scan# 2348
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:284 Resp: 155883

Ion	Ratio	Lower	Upper
284	100		
142	26.8	21.0	31.6
249	34.6	24.9	37.3



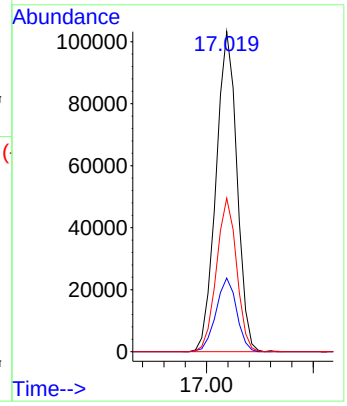


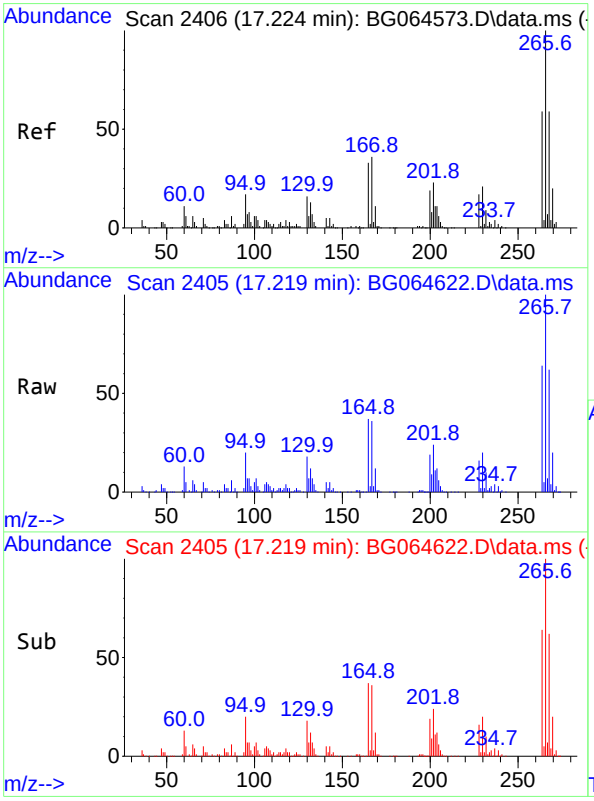
#69
Atrazine
Concen: 47.830 ng
RT: 17.019 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:200 Resp: 140535

Ion	Ratio	Lower	Upper
200	100		
173	23.0	0.9	40.9
215	47.9	27.0	67.0

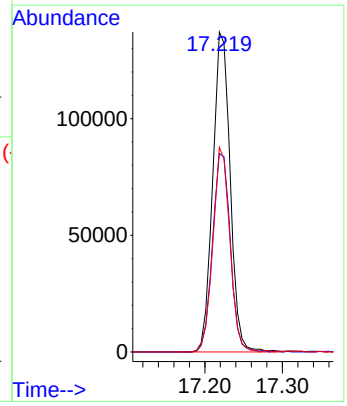


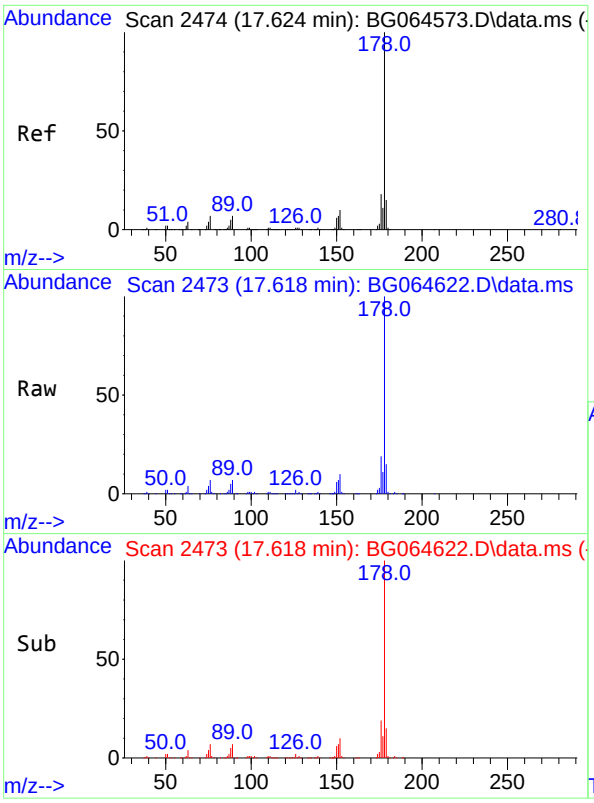


#70
Pentachlorophenol
Concen: 100.429 ng
RT: 17.219 min Scan# 2405
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:266 Resp: 214000

Ion	Ratio	Lower	Upper
266	100		
268	66.3	50.3	75.5
264	63.9	47.3	70.9



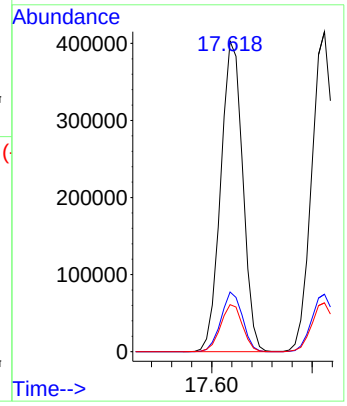


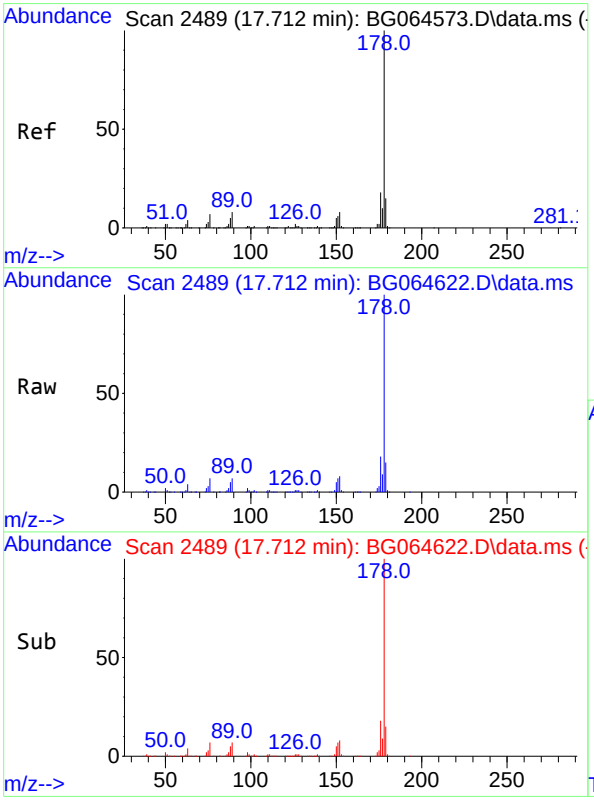
#71
Phenanthrene
Concen: 44.297 ng
RT: 17.618 min Scan# 24
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:178 Resp: 612283

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.7	22.1
179	15.2	12.2	18.4

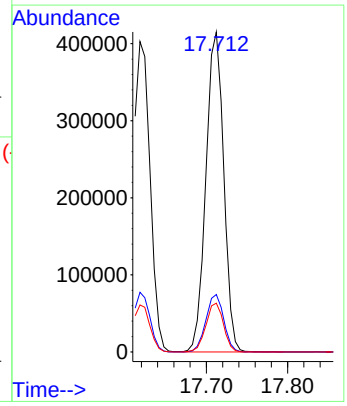


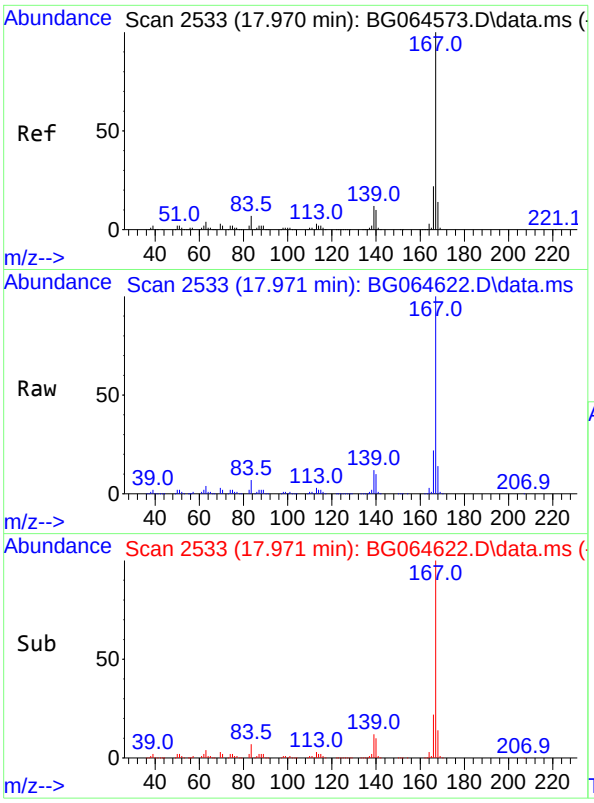


#72
Anthracene
Concen: 44.900 ng
RT: 17.712 min Scan# 2489
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:178 Resp: 631323

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.4	21.6
179	15.2	12.4	18.6



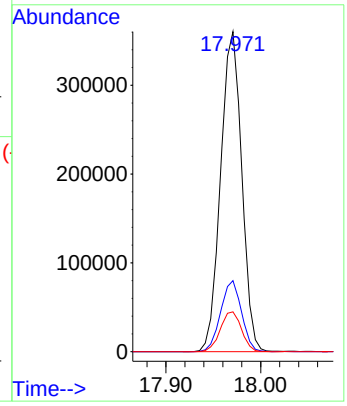


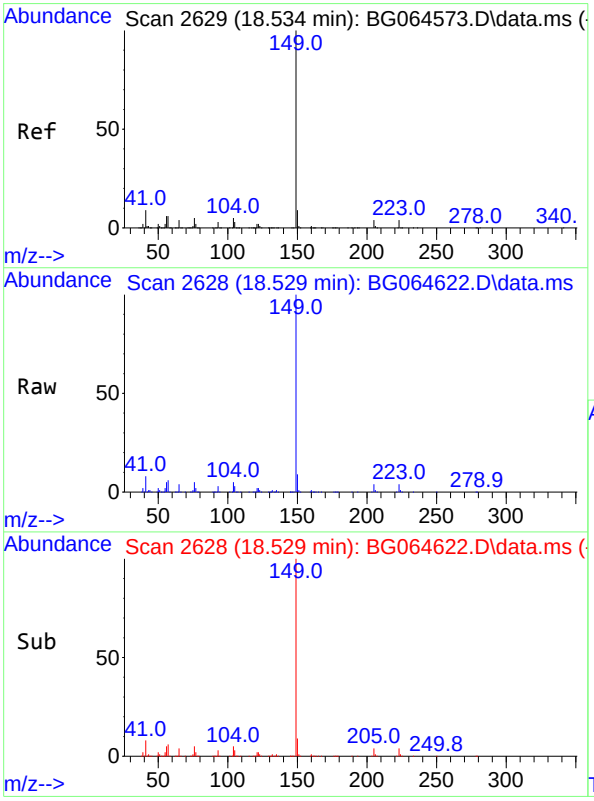
#73
Carbazole
Concen: 45.052 ng
RT: 17.971 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:167 Resp: 558592

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.9	26.9
139	12.4	9.7	14.5

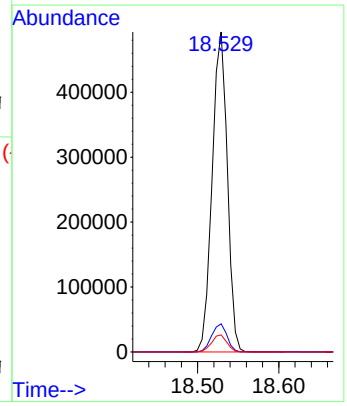


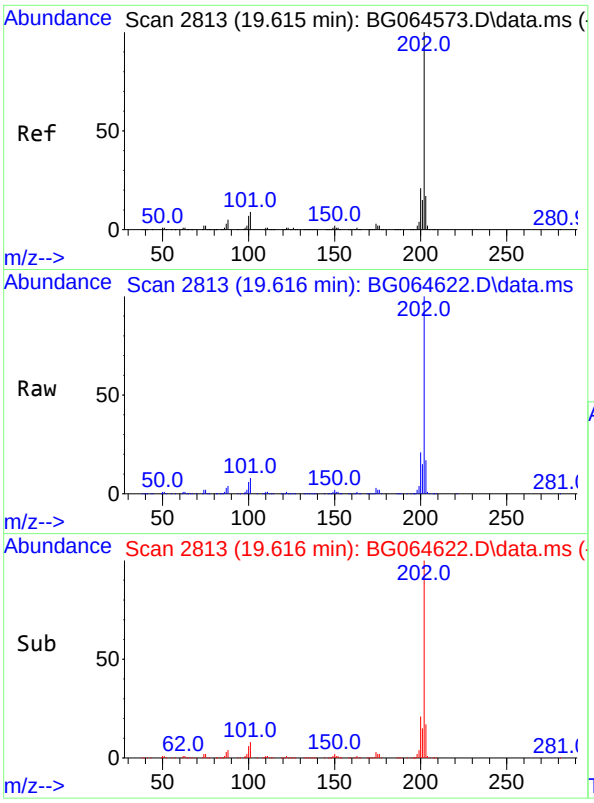


#74
Di-n-butylphthalate
Concen: 44.400 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:149 Resp: 636589

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.4	4.1	6.1



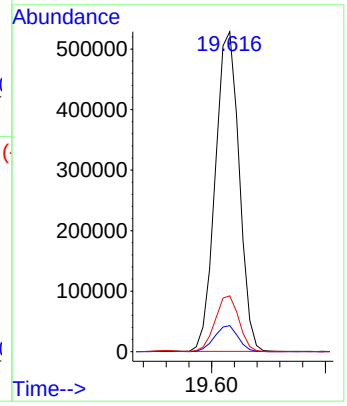


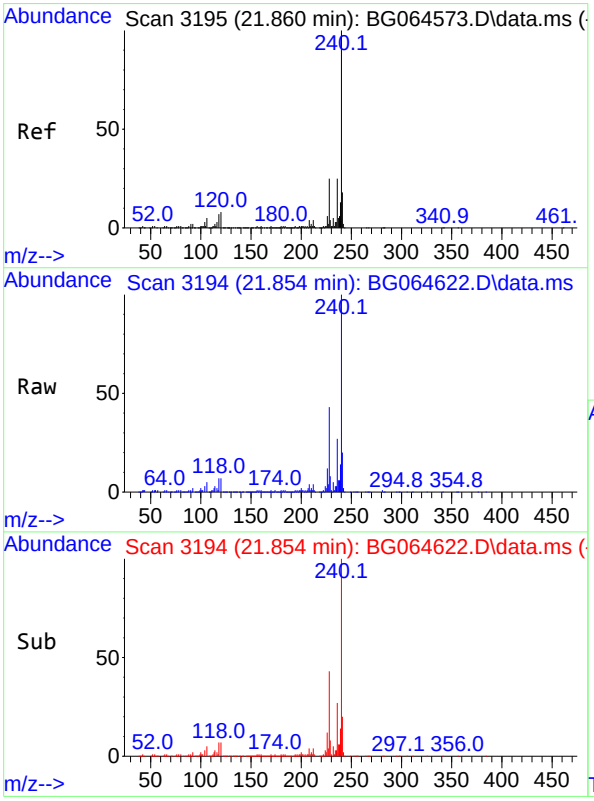
#75
Fluoranthene
Concen: 44.393 ng
RT: 19.616 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:202 Resp: 768700

Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	28.7
203	17.5	0.0	37.0

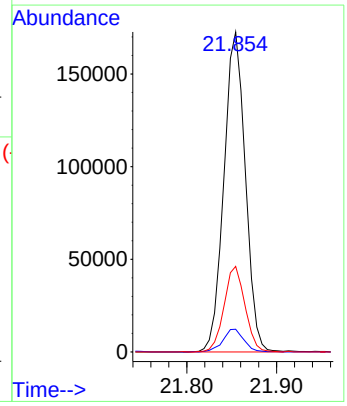


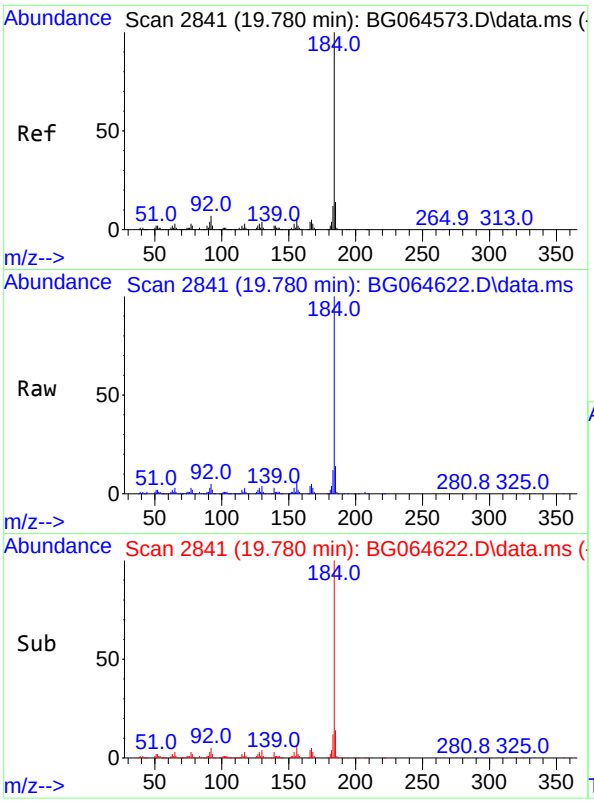


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3194
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:240 Resp: 286271

Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.5	9.7
236	26.8	20.2	30.2



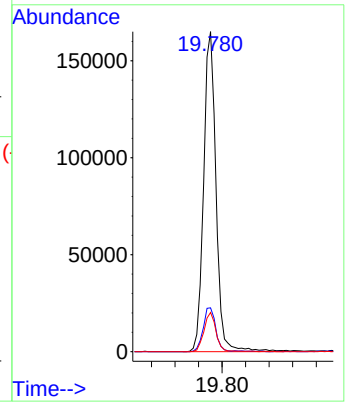


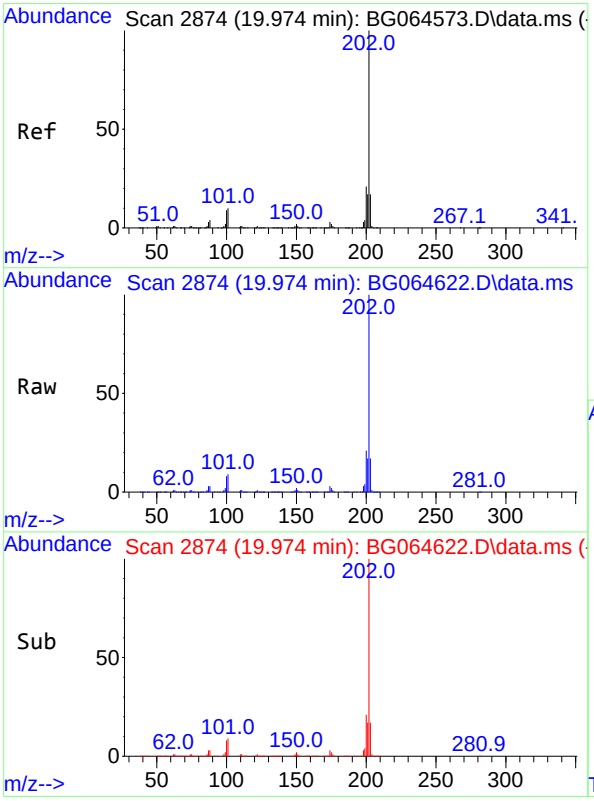
#77
Benzidine
Concen: 37.491 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:184 Resp: 240455

Ion	Ratio	Lower	Upper
184	100		
185	13.7	11.4	17.2
183	12.2	9.4	14.2

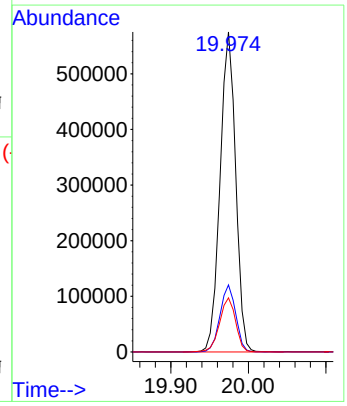


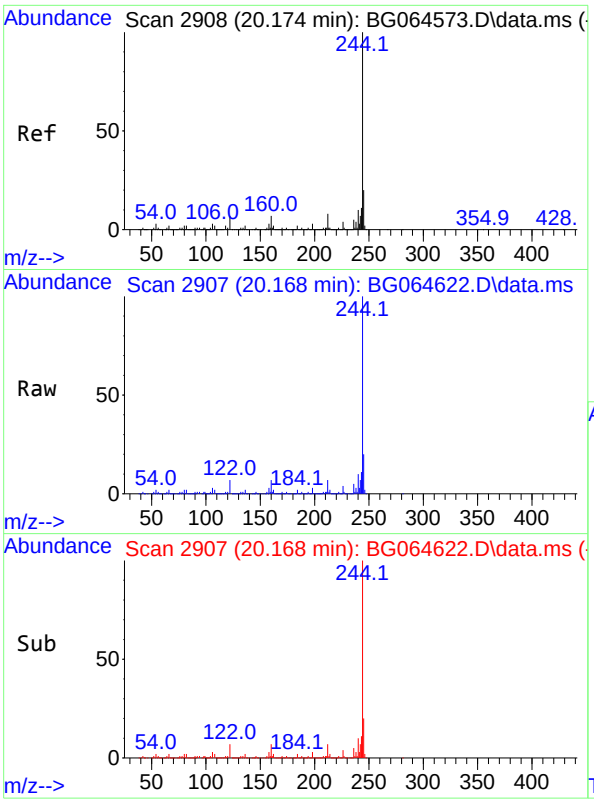


#78
Pyrene
Concen: 43.035 ng
RT: 19.974 min Scan# 2874
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:202 Resp: 804895

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	16.9	13.8	20.6



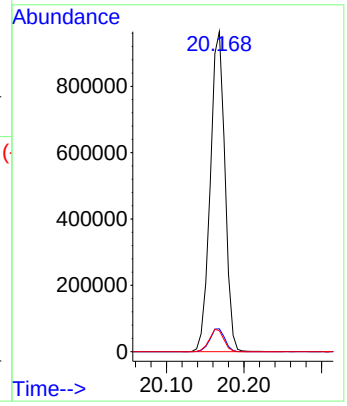


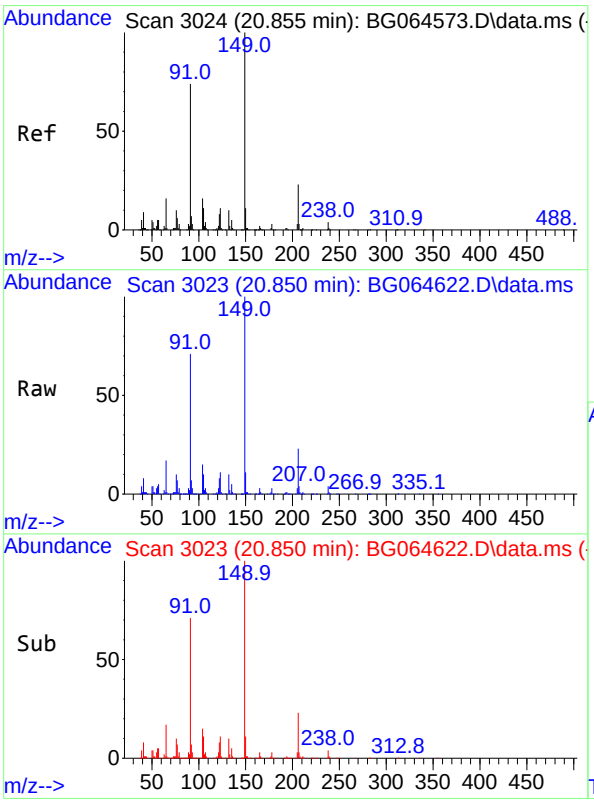
#79
Terphenyl-d14
Concen: 83.281 ng
RT: 20.168 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:244 Resp: 1263324

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	6.5	5.6	8.4

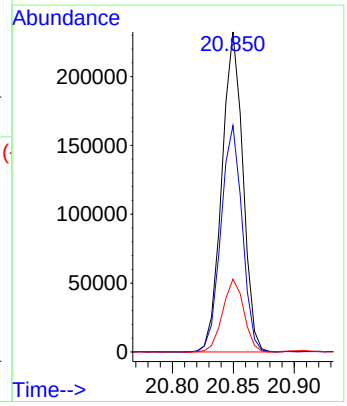


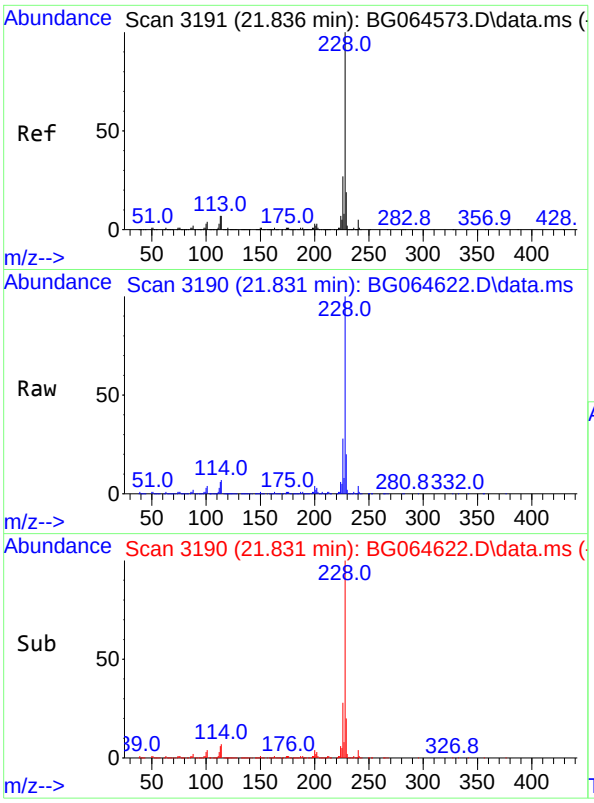


#80
Butylbenzylphthalate
Concen: 49.405 ng
RT: 20.850 min Scan# 3023
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:149 Resp: 279278

Ion	Ratio	Lower	Upper
149	100		
91	70.8	59.2	88.8
206	22.7	18.1	27.1



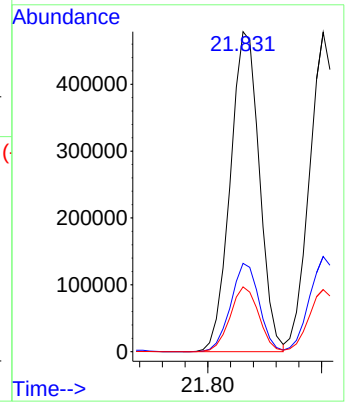


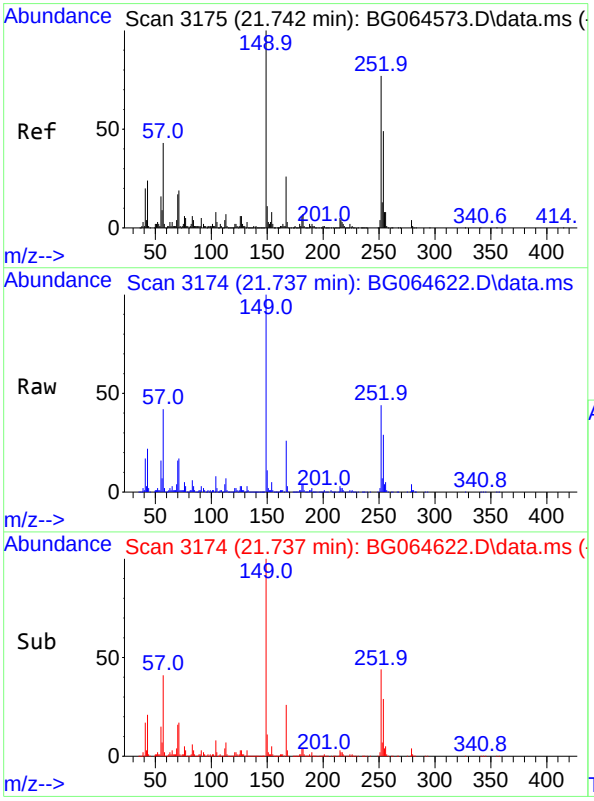
#81
Benzo(a)anthracene
Concen: 44.811 ng
RT: 21.831 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:228 Resp: 850571

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.9	32.9
229	20.3	15.6	23.4

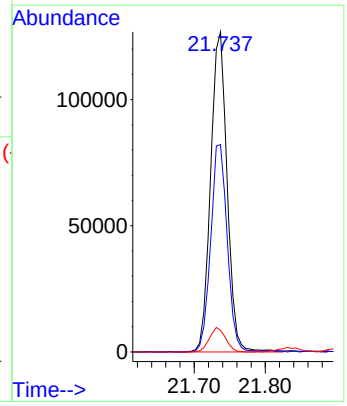


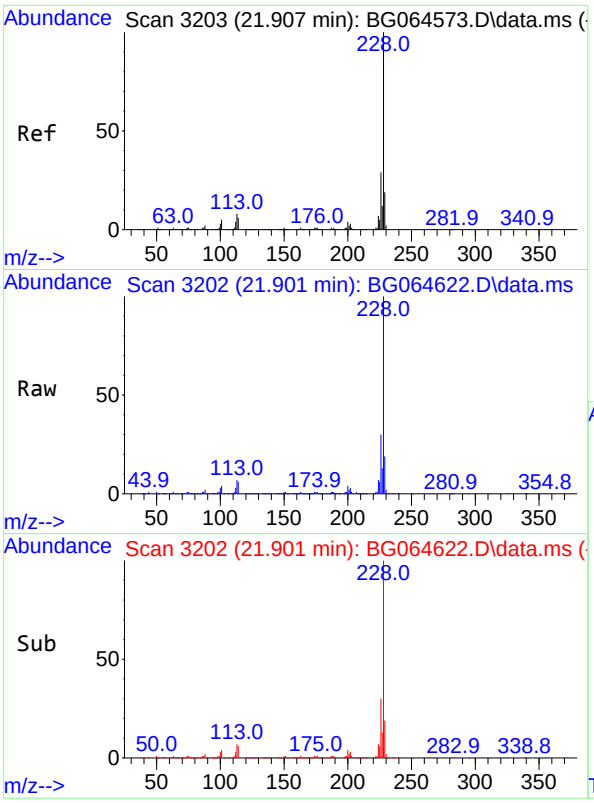


#82
3,3'-Dichlorobenzidine
Concen: 32.347 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.003 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:252 Resp: 205029

Ion	Ratio	Lower	Upper
252	100		
254	64.8	50.8	76.2
126	6.8	5.8	8.6



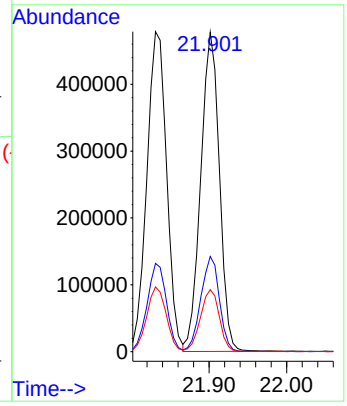


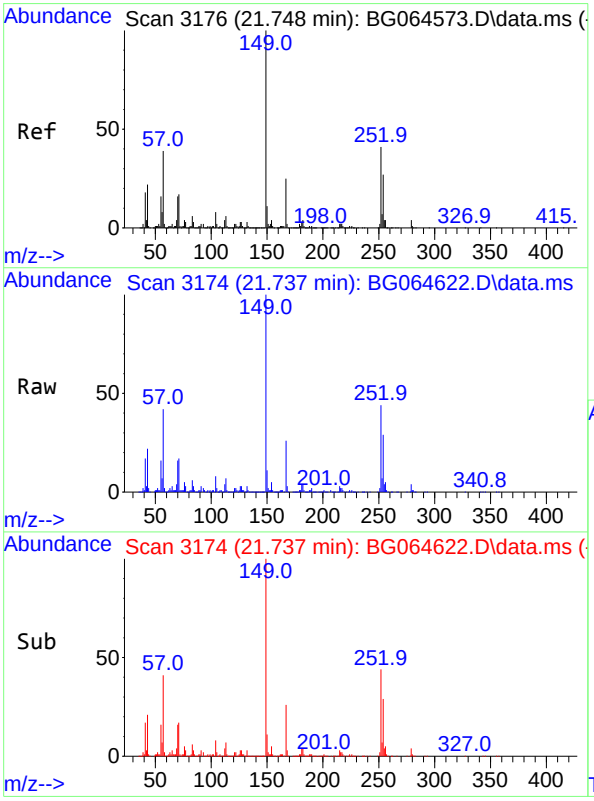
#83
Chrysene
Concen: 44.240 ng
RT: 21.901 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:228 Resp: 799015

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.3	34.9
229	19.5	15.2	22.8

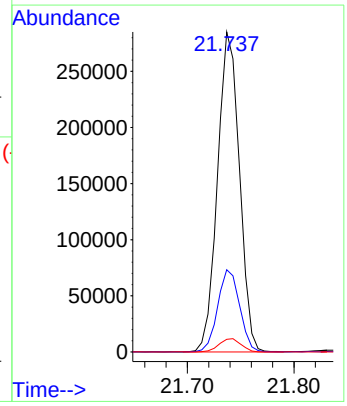


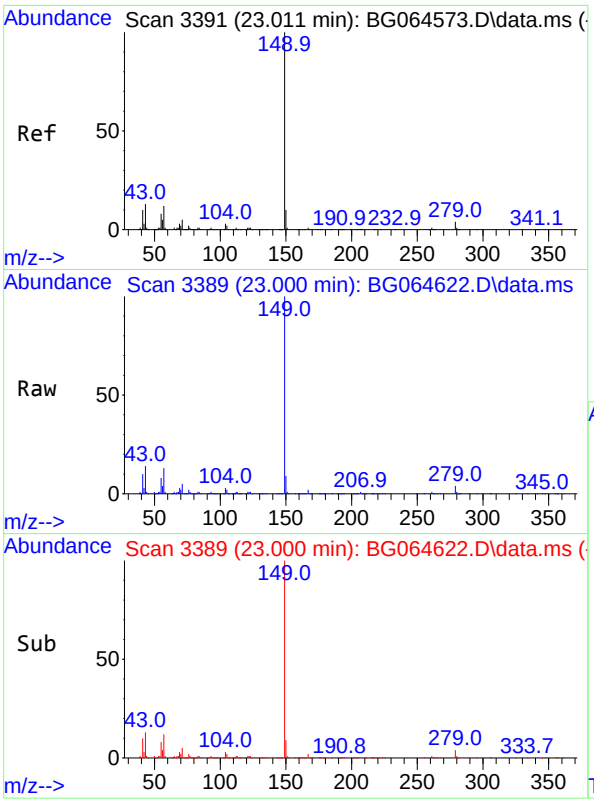


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.204 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.015 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:149 Resp: 407169

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.0	30.0
279	4.0	3.1	4.7



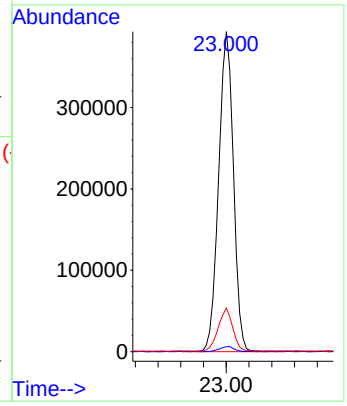


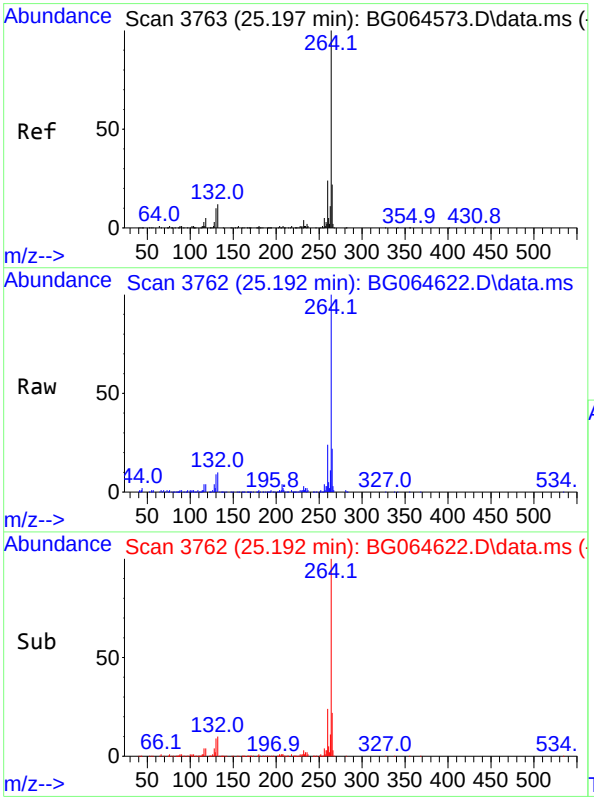
#85
Di-n-octyl phthalate
Concen: 49.802 ng
RT: 23.000 min Scan# 3
Delta R.T. -0.015 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:149 Resp: 709236

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.1	10.8	16.2

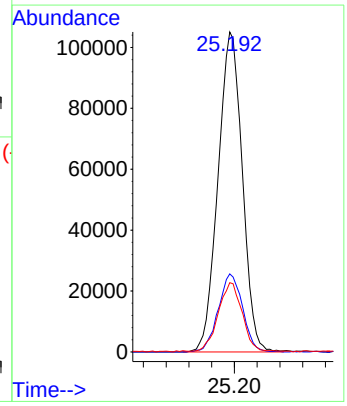


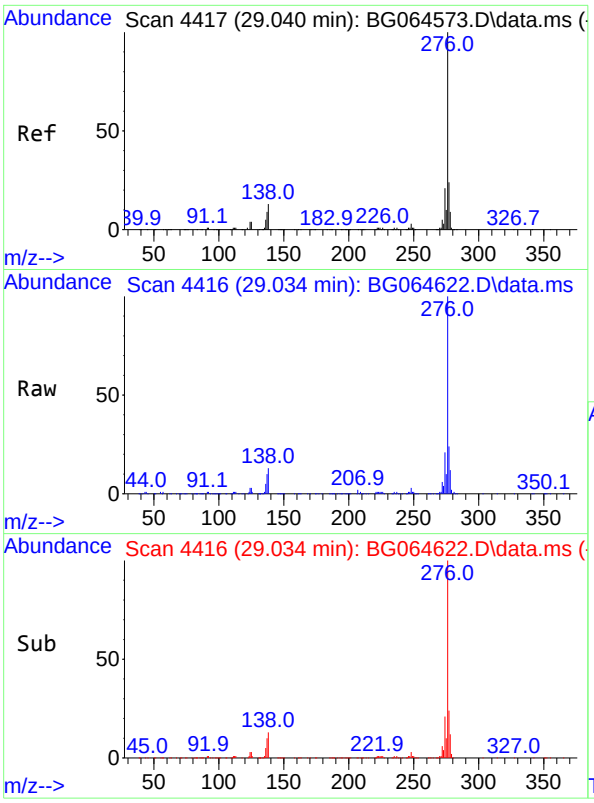


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.192 min Scan# 3762
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:264 Resp: 311364

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	21.6	17.6	26.4



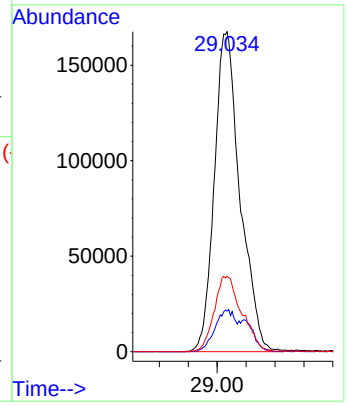


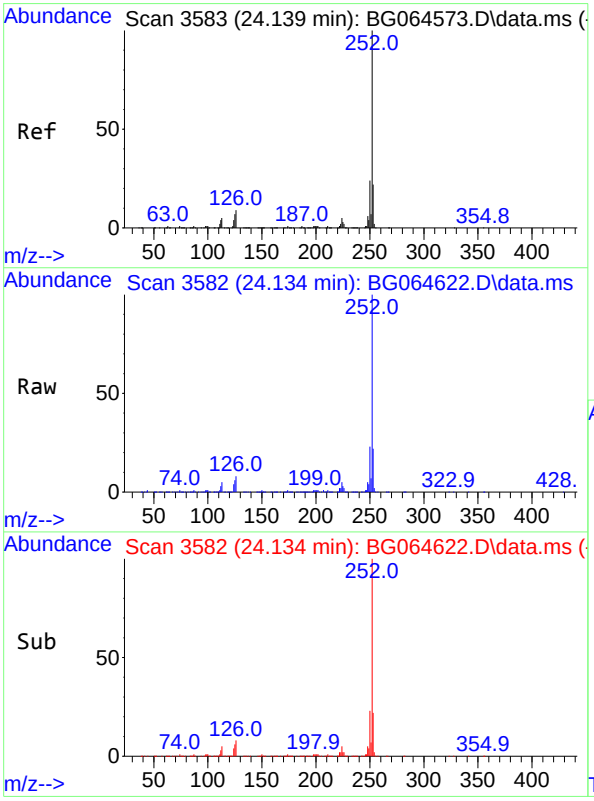
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.114 ng
RT: 29.034 min Scan# 44
Delta R.T. -0.027 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:276 Resp: 1033332

Ion	Ratio	Lower	Upper
276	100		
138	10.3	10.8	16.2#
277	25.3	20.1	30.1

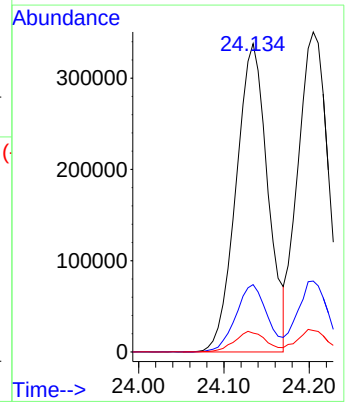


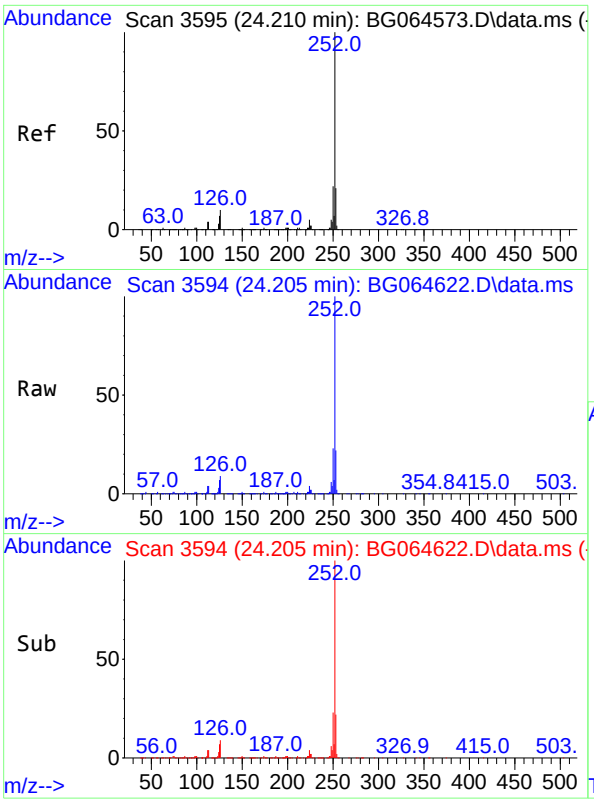


#88
Benzo(b)fluoranthene
Concen: 45.715 ng
RT: 24.134 min Scan# 3582
Delta R.T. -0.009 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:252 Resp: 872834

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	6.2	5.6	8.4



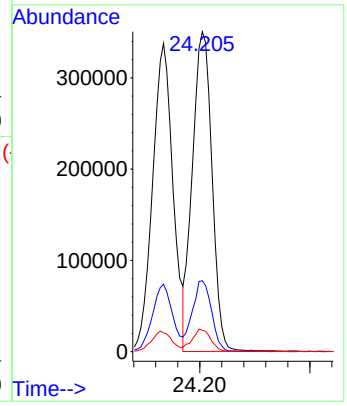


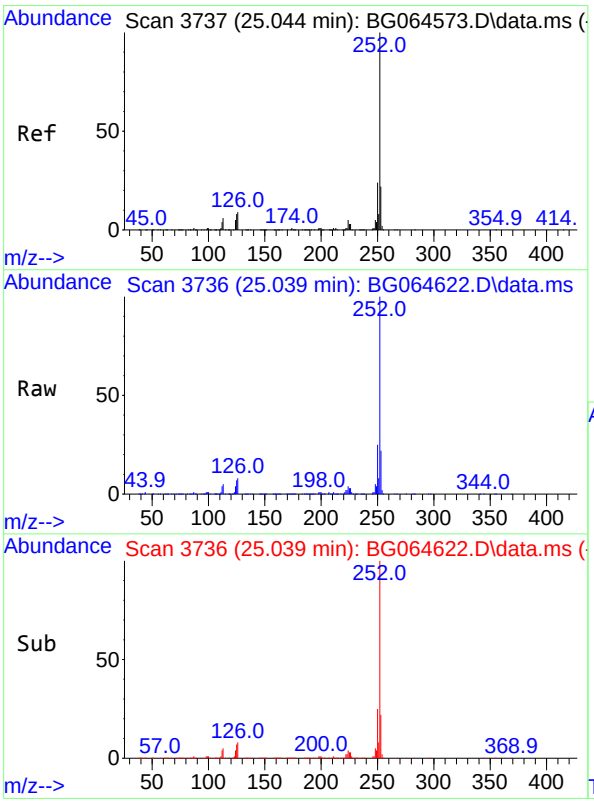
#89
Benzo(k)fluoranthene
Concen: 45.401 ng
RT: 24.205 min Scan# 3
Delta R.T. -0.015 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:252 Resp: 867424

Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.8	25.2
125	6.7	5.4	8.0

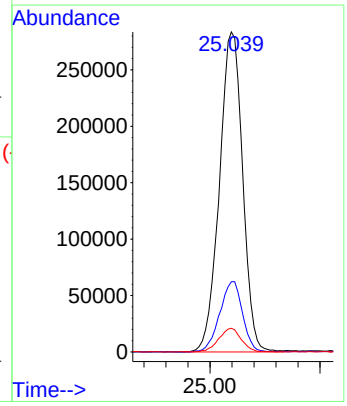


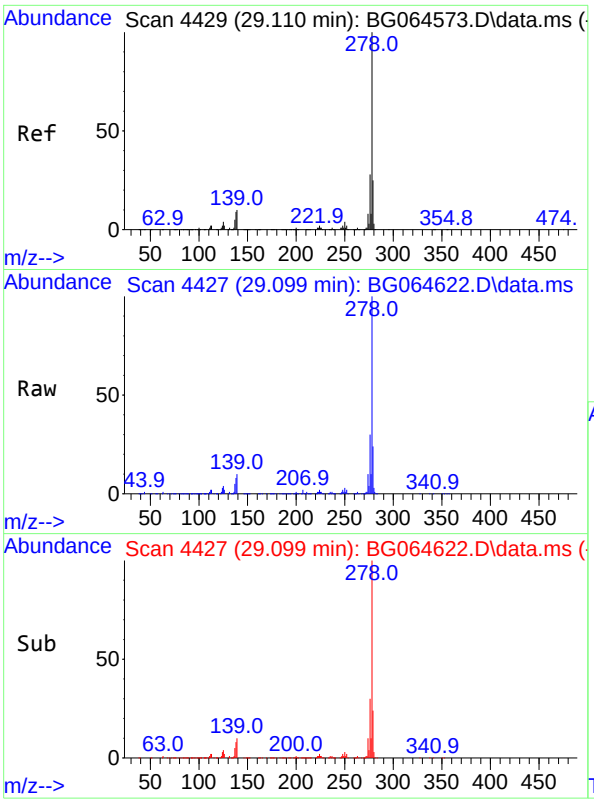


#90
Benzo(a)pyrene
Concen: 47.341 ng
RT: 25.039 min Scan# 3736
Delta R.T. -0.021 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:252 Resp: 830855

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	7.4	6.1	9.1



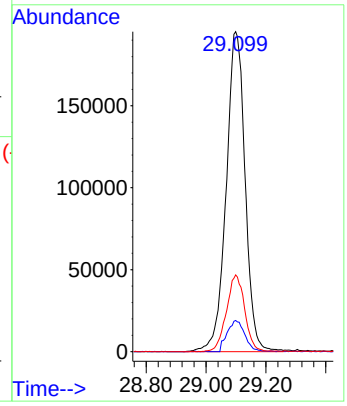


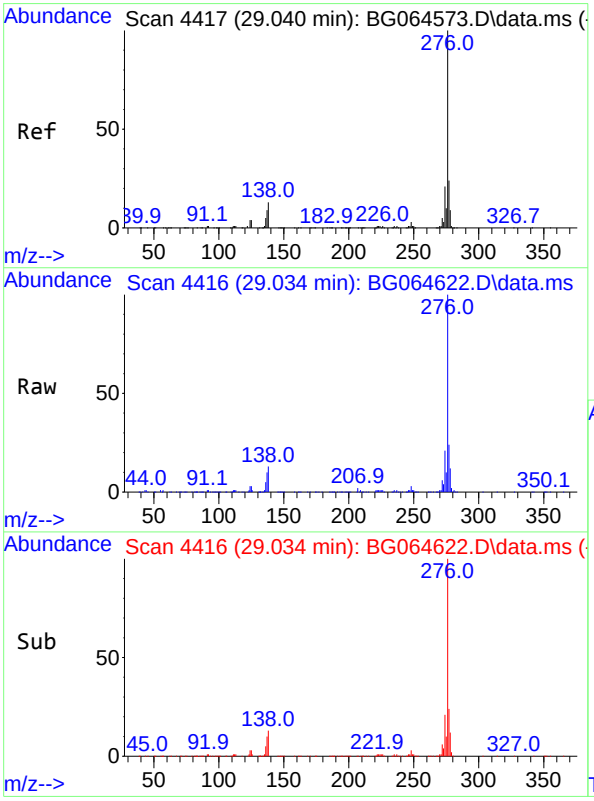
#91
Dibenzo(a,h)anthracene
Concen: 46.137 ng
RT: 29.099 min Scan# 44
Delta R.T. -0.038 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Instrument :
BNA_G
ClientSampleId :
PB170215BS

Tgt Ion:278 Resp: 858540

Ion	Ratio	Lower	Upper
278	100		
139	9.8	8.0	12.0
279	24.0	19.8	29.6

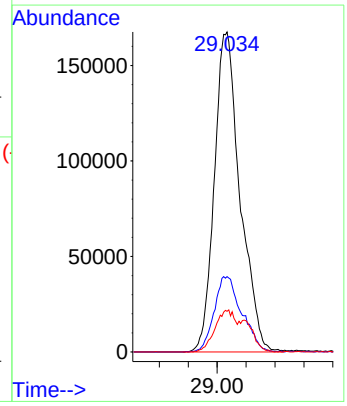




#92
Benzo(g,h,i)perylene
Concen: 45.114 ng
RT: 29.034 min Scan# 4416
Delta R.T. -0.027 min
Lab File: BG064622.D
Acq: 29 Oct 2025 14:06

Tgt Ion:276 Resp: 1033332

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	12.7	10.7	16.1



Raw Data: **BG064627.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MS	SDG No.:	Q3422
Lab Sample ID:	Q3419-02MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	2100		1	290	610	ug/Kg	10/29/25 17:34	PB170215
108-95-2	Phenol	3000		1	40.6	310	ug/Kg	10/29/25 17:34	PB170215
111-44-4	bis(2-Chloroethyl)ether	2000		1	44.6	310	ug/Kg	10/29/25 17:34	PB170215
95-57-8	2-Chlorophenol	3200		1	44.8	310	ug/Kg	10/29/25 17:34	PB170215
95-48-7	2-Methylphenol	3000		1	54.9	310	ug/Kg	10/29/25 17:34	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	2800		1	68.9	310	ug/Kg	10/29/25 17:34	PB170215
98-86-2	Acetophenone	3300		1	54.2	310	ug/Kg	10/29/25 17:34	PB170215
65794-96-9	3+4-Methylphenols	3000		1	75.5	610	ug/Kg	10/29/25 17:34	PB170215
621-64-7	n-Nitroso-di-n-propylamine	3000		1	87.0	150	ug/Kg	10/29/25 17:34	PB170215
67-72-1	Hexachloroethane	3200		1	32.3	310	ug/Kg	10/29/25 17:34	PB170215
98-95-3	Nitrobenzene	3400		1	33.6	310	ug/Kg	10/29/25 17:34	PB170215
78-59-1	Isophorone	3000		1	60.2	310	ug/Kg	10/29/25 17:34	PB170215
88-75-5	2-Nitrophenol	3800		1	110	310	ug/Kg	10/29/25 17:34	PB170215
105-67-9	2,4-Dimethylphenol	3500		1	120	310	ug/Kg	10/29/25 17:34	PB170215
111-91-1	bis(2-Chloroethoxy)methane	2900		1	56.6	310	ug/Kg	10/29/25 17:34	PB170215
120-83-2	2,4-Dichlorophenol	3500		1	52.0	310	ug/Kg	10/29/25 17:34	PB170215
91-20-3	Naphthalene	3000		1	41.7	310	ug/Kg	10/29/25 17:34	PB170215
106-47-8	4-Chloroaniline	1300		1	65.0	310	ug/Kg	10/29/25 17:34	PB170215
87-68-3	Hexachlorobutadiene	3200		1	46.5	310	ug/Kg	10/29/25 17:34	PB170215
105-60-2	Caprolactam	3100		1	95.7	610	ug/Kg	10/29/25 17:34	PB170215
59-50-7	4-Chloro-3-methylphenol	3200		1	52.7	310	ug/Kg	10/29/25 17:34	PB170215
91-57-6	2-Methylnaphthalene	2800		1	47.0	310	ug/Kg	10/29/25 17:34	PB170215
77-47-4	Hexachlorocyclopentadiene	9500	E	1	210	610	ug/Kg	10/29/25 17:34	PB170215
88-06-2	2,4,6-Trichlorophenol	3600		1	36.4	310	ug/Kg	10/29/25 17:34	PB170215
95-95-4	2,4,5-Trichlorophenol	3400		1	53.4	310	ug/Kg	10/29/25 17:34	PB170215
92-52-4	1,1-Biphenyl	3400		1	40.0	310	ug/Kg	10/29/25 17:34	PB170215
91-58-7	2-Chloronaphthalene	3100		1	41.3	310	ug/Kg	10/29/25 17:34	PB170215
88-74-4	2-Nitroaniline	3400		1	88.3	310	ug/Kg	10/29/25 17:34	PB170215
131-11-3	Dimethylphthalate	3100		1	49.8	310	ug/Kg	10/29/25 17:34	PB170215
208-96-8	Acenaphthylene	3500		1	53.1	310	ug/Kg	10/29/25 17:34	PB170215
606-20-2	2,6-Dinitrotoluene	3700		1	61.7	310	ug/Kg	10/29/25 17:34	PB170215
99-09-2	3-Nitroaniline	2500		1	84.5	310	ug/Kg	10/29/25 17:34	PB170215
83-32-9	Acenaphthene	3500		1	39.1	310	ug/Kg	10/29/25 17:34	PB170215
51-28-5	2,4-Dinitrophenol	8100	E	1	420	610	ug/Kg	10/29/25 17:34	PB170215
100-02-7	4-Nitrophenol	7500	E	1	200	610	ug/Kg	10/29/25 17:34	PB170215
132-64-9	Dibenzofuran	3100		1	41.7	310	ug/Kg	10/29/25 17:34	PB170215
121-14-2	2,4-Dinitrotoluene	3600		1	92.0	310	ug/Kg	10/29/25 17:34	PB170215
84-66-2	Diethylphthalate	3100		1	52.0	310	ug/Kg	10/29/25 17:34	PB170215
7005-72-3	4-Chlorophenyl-phenylether	3100		1	49.0	310	ug/Kg	10/29/25 17:34	PB170215
86-73-7	Fluorene	3100		1	46.5	310	ug/Kg	10/29/25 17:34	PB170215
100-01-6	4-Nitroaniline	3600		1	120	310	ug/Kg	10/29/25 17:34	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	4000		1	190	610	ug/Kg	10/29/25 17:34	PB170215

Raw Data: **BG064627.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MS	SDG No.:	Q3422
Lab Sample ID:	Q3419-02MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3100		1	60.4	310	ug/Kg	10/29/25 17:34	PB170215
101-55-3	4-Bromophenyl-phenylether	3200		1	51.1	310	ug/Kg	10/29/25 17:34	PB170215
118-74-1	Hexachlorobenzene	3200		1	46.5	310	ug/Kg	10/29/25 17:34	PB170215
1912-24-9	Atrazine	3400		1	62.4	310	ug/Kg	10/29/25 17:34	PB170215
87-86-5	Pentachlorophenol	7000	E	1	94.2	610	ug/Kg	10/29/25 17:34	PB170215
85-01-8	Phenanthrene	3100		1	38.4	310	ug/Kg	10/29/25 17:34	PB170215
120-12-7	Anthracene	3100		1	61.2	310	ug/Kg	10/29/25 17:34	PB170215
86-74-8	Carbazole	3100		1	57.3	310	ug/Kg	10/29/25 17:34	PB170215
84-74-2	Di-n-butylphthalate	3200		1	88.0	310	ug/Kg	10/29/25 17:34	PB170215
206-44-0	Fluoranthene	3100		1	55.1	310	ug/Kg	10/29/25 17:34	PB170215
129-00-0	Pyrene	2900		1	66.1	310	ug/Kg	10/29/25 17:34	PB170215
85-68-7	Butylbenzylphthalate	3500		1	130	310	ug/Kg	10/29/25 17:34	PB170215
91-94-1	3,3-Dichlorobenzidine	1700		1	67.4	610	ug/Kg	10/29/25 17:34	PB170215
56-55-3	Benzo(a)anthracene	3100		1	42.2	310	ug/Kg	10/29/25 17:34	PB170215
218-01-9	Chrysene	3100		1	36.5	310	ug/Kg	10/29/25 17:34	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	3400		1	110	310	ug/Kg	10/29/25 17:34	PB170215
117-84-0	Di-n-octyl phthalate	3500		1	160	610	ug/Kg	10/29/25 17:34	PB170215
205-99-2	Benzo(b)fluoranthene	3100		1	34.9	310	ug/Kg	10/29/25 17:34	PB170215
207-08-9	Benzo(k)fluoranthene	3200		1	41.1	310	ug/Kg	10/29/25 17:34	PB170215
50-32-8	Benzo(a)pyrene	3200		1	54.2	310	ug/Kg	10/29/25 17:34	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	3100		1	53.4	310	ug/Kg	10/29/25 17:34	PB170215
53-70-3	Dibenzo(a,h)anthracene	3200		1	50.3	310	ug/Kg	10/29/25 17:34	PB170215
191-24-2	Benzo(g,h,i)perylene	3100		1	47.2	310	ug/Kg	10/29/25 17:34	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	3500		1	47.0	310	ug/Kg	10/29/25 17:34	PB170215
123-91-1	1,4-Dioxane	2500		1	83.0	310	ug/Kg	10/29/25 17:34	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	3800		1	50.3	310	ug/Kg	10/29/25 17:34	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	95.5			18 - 112	64%	SPK: 150		
13127-88-3	Phenol-d6	99.7			15 - 107	66%	SPK: 150		
4165-60-0	Nitrobenzene-d5	76.9			18 - 107	77%	SPK: 100		
321-60-8	2-Fluorobiphenyl	60.3			20 - 109	60%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	123			10 - 116	82%	SPK: 150		
1718-51-0	Terphenyl-d14	60.4			10 - 105	60%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	30500							
1146-65-2	Naphthalene-d8	121000							
15067-26-2	Acenaphthene-d10	93600							
1517-22-2	Phenanthrene-d10	230000							
1719-03-5	Chrysene-d12	272000							
1520-96-3	Perylene-d12	297000							

Raw Data: **BG064627.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MS	SDG No.:	Q3422
Lab Sample ID:	Q3419-02MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.03 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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_G\Data\BG102925\
Data File : BG064627.D
Acq On : 29 Oct 2025 17:34
Operator : RC/JU
Sample : Q3419-02MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Quant Time: Oct 30 04:56:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.216	152	30488	20.000	ng	0.00
21) Naphthalene-d8	11.042	136	121320	20.000	ng	-0.01
39) Acenaphthene-d10	14.838	164	93614	20.000	ng	0.00
64) Phenanthrene-d10	17.576	188	229619	20.000	ng	0.00
76) Chrysene-d12	21.853	240	271892	20.000	ng	#-0.01
86) Perylene-d12	25.191	264	296767	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	173396	95.462	ng	0.00
7) Phenol-d6	7.353	99	248444	99.678	ng	0.00
23) Nitrobenzene-d5	9.380	82	155421	76.945	ng	-0.01
42) 2,4,6-Tribromophenol	16.319	330	166810	123.459	ng	0.00
45) 2-Fluorobiphenyl	13.469	172	372604	60.330	ng	-0.01
79) Terphenyl-d14	20.167	244	870859	60.445	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.581	88	32986	41.019	ng	99
3) Pyridine	3.992	79	91699	37.972	ng	98
4) n-Nitrosodimethylamine	3.898	42	64506	49.810	ng	98
6) Aniline	7.529	93	110647	32.624	ng	97
8) 2-Chlorophenol	7.776	128	100885	53.064	ng	94
9) Benzaldehyde	7.335	77	47095	34.610	ng	96
10) Phenol	7.382	94	133081	48.280	ng	96
11) bis(2-Chloroethyl)ether	7.529	93	110647	32.624	ng	99
12) 1,3-Dichlorobenzene	8.111	146	106607	48.719	ng	100
13) 1,4-Dichlorobenzene	8.257	146	108820	48.909	ng	96
14) 1,2-Dichlorobenzene	8.575	146	107105	49.907	ng	97
15) Benzyl Alcohol	8.445	79	100831	49.058	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.745	45	245238	46.132	ng	99
17) 2-Methylphenol	8.445	107	50376	49.034	ng	91
18) Hexachloroethane	9.321	117	40540	51.921	ng	97
19) n-Nitroso-di-n-propyla...	9.021	70	83332	48.377	ng	98
20) 3+4-Methylphenols	8.974	107	125652	48.821	ng	98
22) Acetophenone	9.039	105	180237	54.347	ng	95
24) Nitrobenzene	9.421	77	121561	55.332	ng	95
25) Isophorone	9.955	82	240580	49.637	ng	98
26) 2-Nitrophenol	10.138	139	54118	62.810	ng	93
27) 2,4-Dimethylphenol	10.196	122	103937	56.519	ng	88
28) bis(2-Chloroethoxy)met...	10.431	93	132986	48.190	ng	97
29) 2,4-Dichlorophenol	10.678	162	109647	56.512	ng	99
30) 1,2,4-Trichlorobenzene	10.901	180	120137	54.496	ng	96
31) Naphthalene	11.095	128	328094	48.777	ng	100
32) Benzoic acid	10.320	122	89978	65.009	ng	90
33) 4-Chloroaniline	11.183	127	56519	21.618	ng	98
34) Hexachlorobutadiene	11.383	225	89758	52.062	ng	93
35) Caprolactam	11.947	113	37507m	50.401	ng	
36) 4-Chloro-3-methylphenol	12.288	107	122640	52.585	ng	96
37) 2-Methylnaphthalene	12.688	142	224108	45.380	ng	100
38) 1-Methylnaphthalene	12.905	142	231684	47.679	ng	95
40) 1,2,4,5-Tetrachloroben...	13.046	216	181893	57.895	ng	99
41) Hexachlorocyclopentadiene	13.034	237	218323	154.388	ng	99
43) 2,4,6-Trichlorophenol	13.275	196	105398	58.649	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064627.D
Acq On : 29 Oct 2025 17:34
Operator : RC/JU
Sample : Q3419-02MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Quant Time: Oct 30 04:56:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

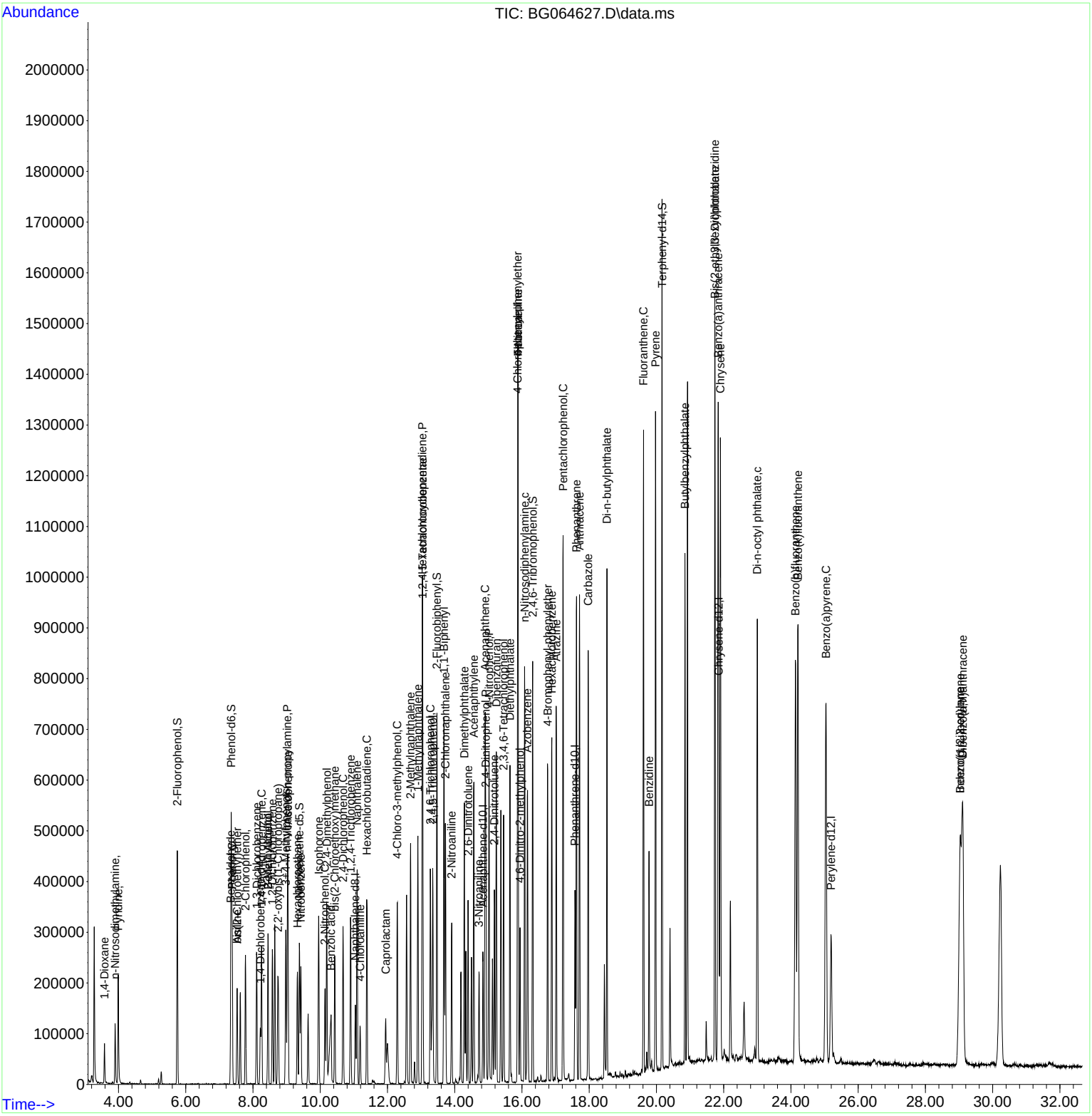
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	114236	55.084	ng		99
46) 1,1'-Biphenyl	13.680	154	374605	56.287	ng		98
47) 2-Chloronaphthalene	13.722	162	251555	50.074	ng		98
48) 2-Nitroaniline	13.910	65	95513	56.055	ng		95
49) Acenaphthylene	14.568	152	452550	57.112	ng		99
50) Dimethylphthalate	14.286	163	362240	50.569	ng		98
51) 2,6-Dinitrotoluene	14.397	165	72717	60.623	ng		97
52) Acenaphthene	14.903	154	312776	57.775	ng		99
53) 3-Nitroaniline	14.720	138	50027	40.637	ng		98
54) 2,4-Dinitrophenol	14.926	184	99300	132.948	ng	#	46
55) Dibenzofuran	15.237	168	444561	50.793	ng		100
56) 4-Nitrophenol	15.020	139	139148	121.914	ng		90
57) 2,4-Dinitrotoluene	15.179	165	108193	58.491	ng		99
58) Fluorene	15.884	166	345737	50.581	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.455	232	122956	62.001	ng		99
60) Diethylphthalate	15.643	149	365971	50.036	ng		98
61) 4-Chlorophenyl-phenyle...	15.872	204	195464	50.956	ng		99
62) 4-Nitroaniline	15.884	138	81463	59.481	ng		93
63) Azobenzene	16.160	77	358981	53.492	ng		100
65) 4,6-Dinitro-2-methylph...	15.943	198	67553	64.726	ng		94
66) n-Nitrosodiphenylamine	16.078	169	317977	51.265	ng		98
67) 4-Bromophenyl-phenylether	16.765	248	141564	52.025	ng		96
68) Hexachlorobenzene	16.888	284	160884	51.826	ng		96
69) Atrazine	17.018	200	146978	55.064	ng		99
70) Pentachlorophenol	17.223	266	220117	113.709	ng		96
71) Phenanthrene	17.623	178	634368	50.519	ng		99
72) Anthracene	17.711	178	639545	50.069	ng		100
73) Carbazole	17.970	167	577061	51.232	ng		99
74) Di-n-butylphthalate	18.528	149	670737	51.496	ng		98
75) Fluoranthene	19.615	202	802773	51.033	ng		98
77) Benzidine	19.779	184	255069	41.873	ng		98
78) Pyrene	19.973	202	842015	47.400	ng		99
80) Butylbenzylphthalate	20.849	149	309969	57.734	ng		99
81) Benzo(a)anthracene	21.836	228	915343	50.774	ng		99
82) 3,3'-Dichlorobenzidine	21.736	252	166879	27.720	ng		96
83) Chrysene	21.900	228	868130	50.608	ng		98
84) Bis(2-ethylhexyl)phtha...	21.742	149	450725	56.183	ng		98
85) Di-n-octyl phthalate	22.999	149	774721	57.277	ng		99
87) Indeno(1,2,3-cd)pyrene	29.033	276	1117747	51.200	ng	#	97
88) Benzo(b)fluoranthene	24.133	252	914206	50.237	ng		99
89) Benzo(k)fluoranthene	24.209	252	937496	51.482	ng		97
90) Benzo(a)pyrene	25.044	252	883679	52.828	ng		100
91) Dibenzo(a,h)anthracene	29.109	278	916893	51.696	ng		98
92) Benzo(g,h,i)perylene	29.033	276	1117747	51.200	ng		98

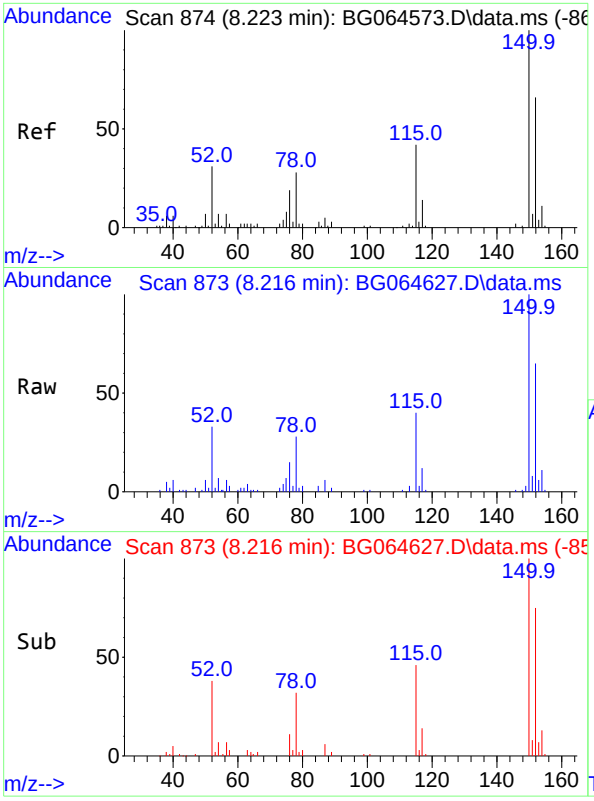
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064627.D
Acq On : 29 Oct 2025 17:34
Operator : RC/JU
Sample : Q3419-02MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Quant Time: Oct 30 04:56:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



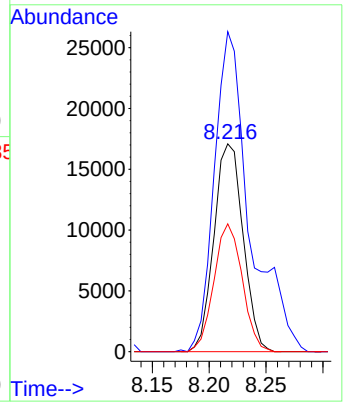


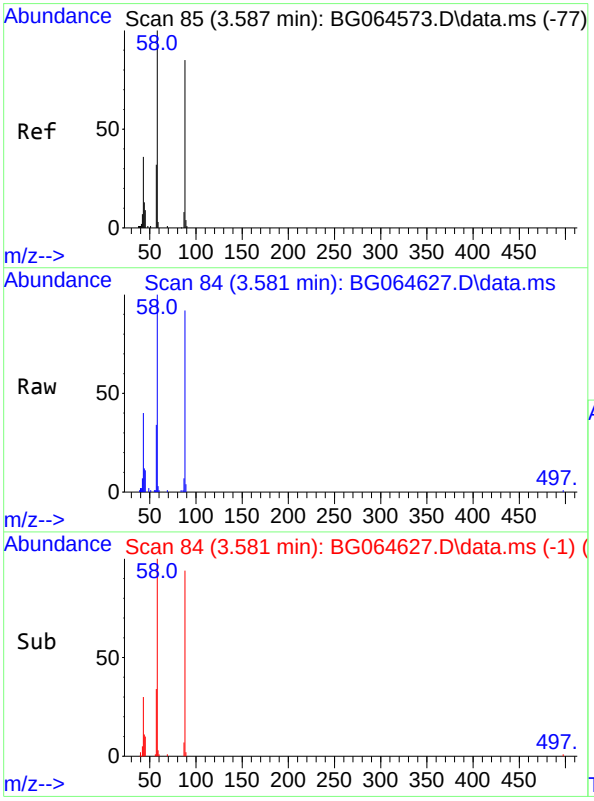
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.216 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:152 Resp: 30488

Ion	Ratio	Lower	Upper
152	100		
150	153.9	122.2	183.4
115	61.5	50.8	76.2

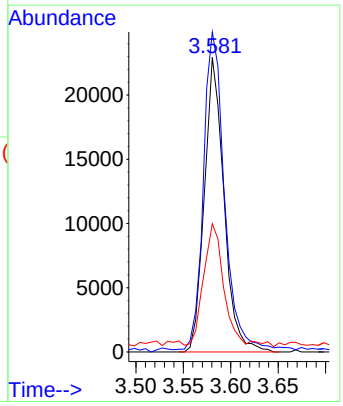


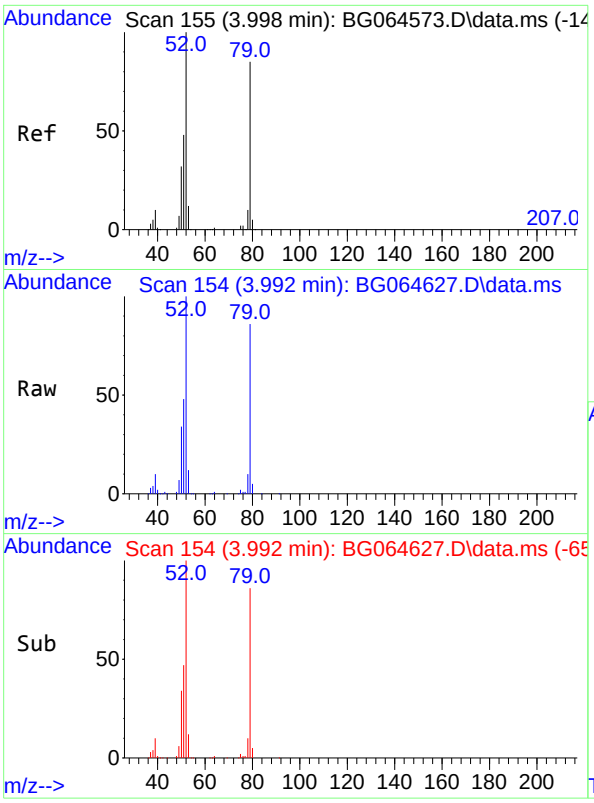


#2
1,4-Dioxane
Concen: 41.019 ng
RT: 3.581 min Scan# 84
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion: 88 Resp: 32986

Ion	Ratio	Lower	Upper
88	100		
58	115.1	92.4	138.6
43	44.0	33.0	49.6



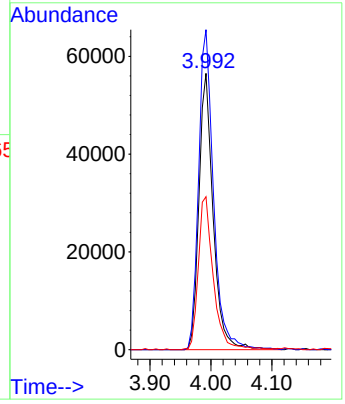


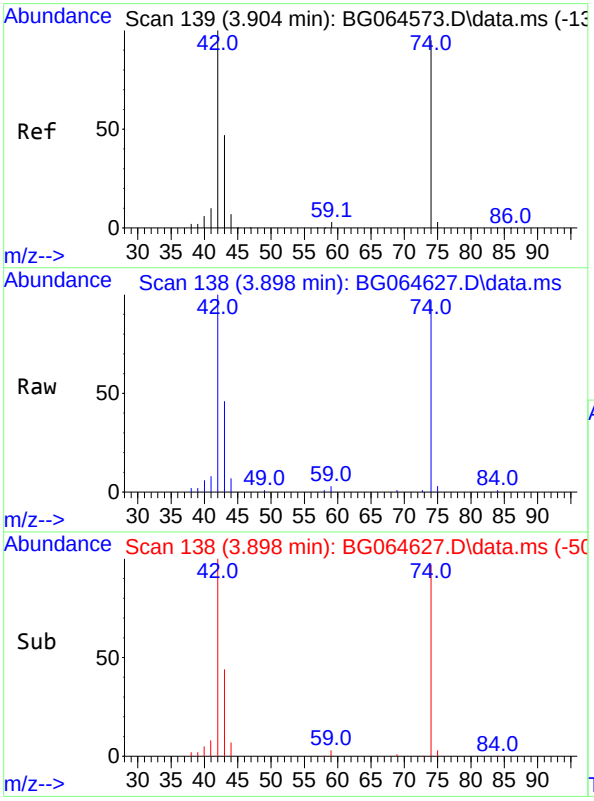
#3
Pyridine
Concen: 37.972 ng
RT: 3.992 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion: 79 Resp: 91699

Ion	Ratio	Lower	Upper
79	100		
52	115.8	94.2	141.2
51	55.3	46.1	69.1

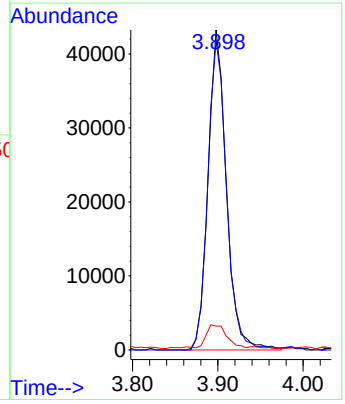


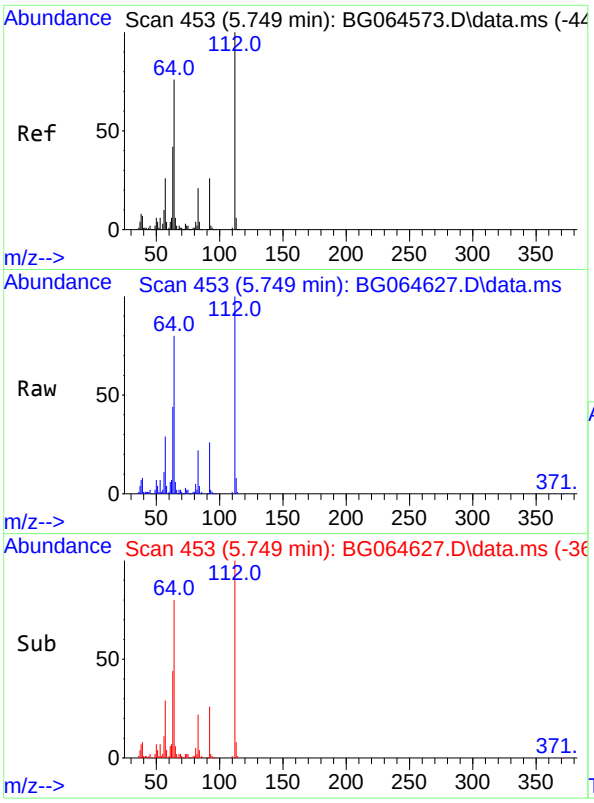


#4
n-Nitrosodimethylamine
Concen: 49.810 ng
RT: 3.898 min Scan# 138
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion: 42 Resp: 64506

Ion	Ratio	Lower	Upper
42	100		
74	96.6	76.1	114.1
44	7.4	6.3	9.5



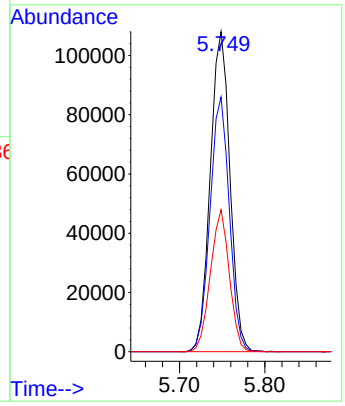


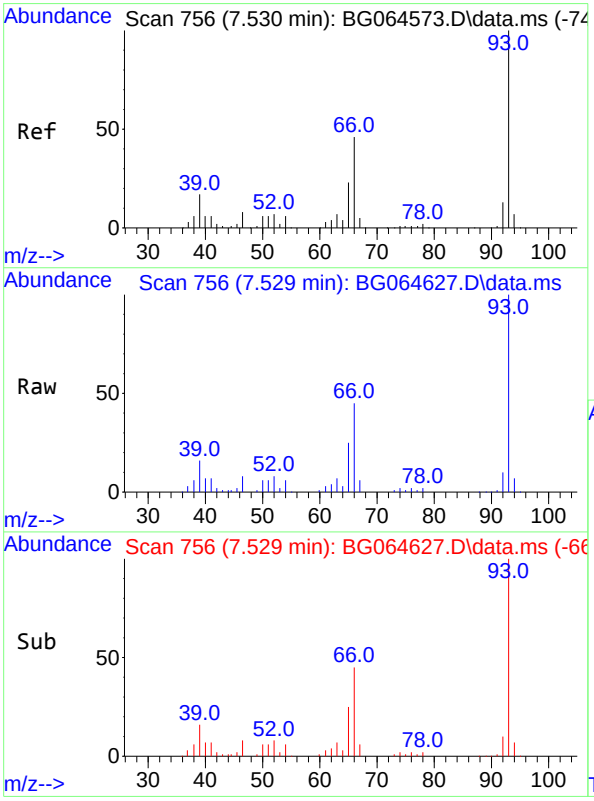
#5
2-Fluorophenol
Concen: 95.462 ng
RT: 5.749 min Scan# 4
Delta R.T. 0.002 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:112 Resp: 173396

Ion	Ratio	Lower	Upper
112	100		
64	79.6	60.7	91.1
63	44.4	33.4	50.0

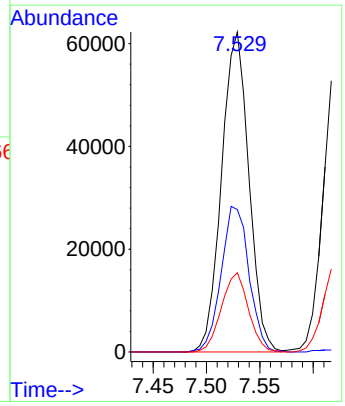


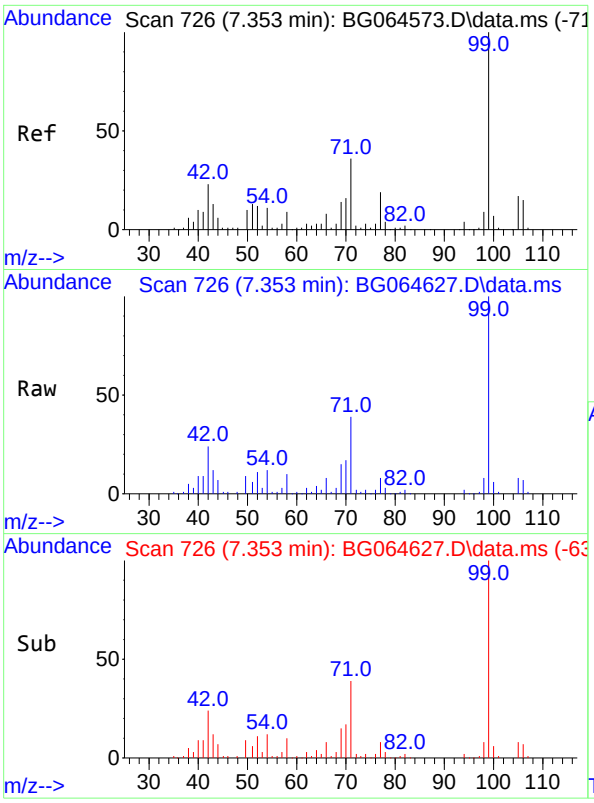


#6
Aniline
Concen: 32.624 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion: 93 Resp: 110647

Ion	Ratio	Lower	Upper
93	100		
66	44.5	37.0	55.6
65	24.7	18.3	27.5



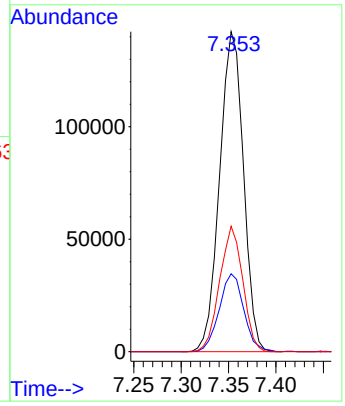


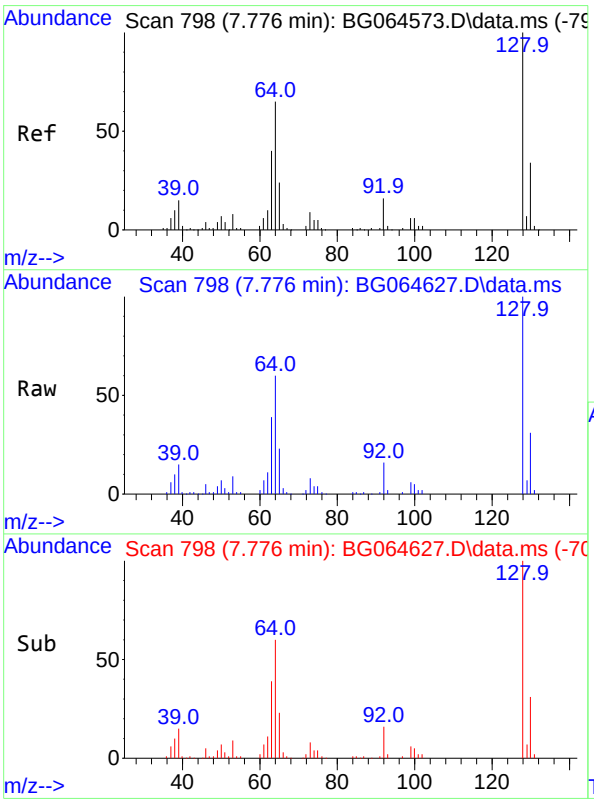
#7
Phenol-d6
Concen: 99.678 ng
RT: 7.353 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion: 99 Resp: 248444

Ion	Ratio	Lower	Upper
99	100		
42	24.4	18.3	27.5
71	39.2	28.6	43.0

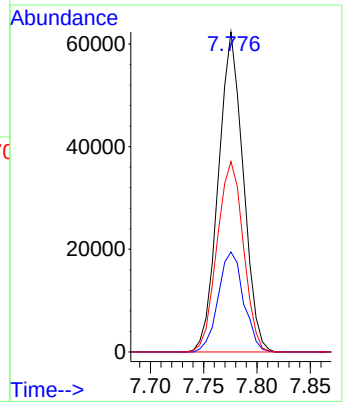


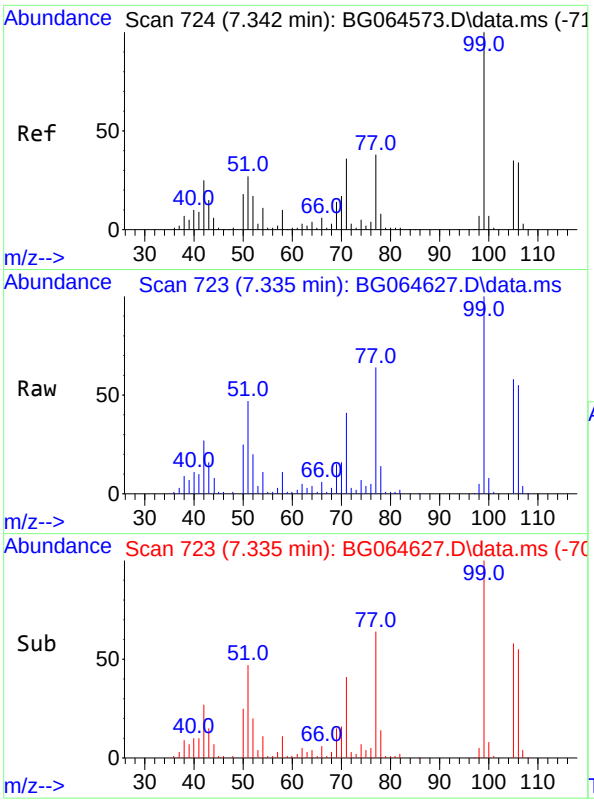


#8
2-Chlorophenol
Concen: 53.064 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:128 Resp: 100885

Ion	Ratio	Lower	Upper
128	100		
130	31.3	13.5	53.5
64	59.5	45.2	85.2



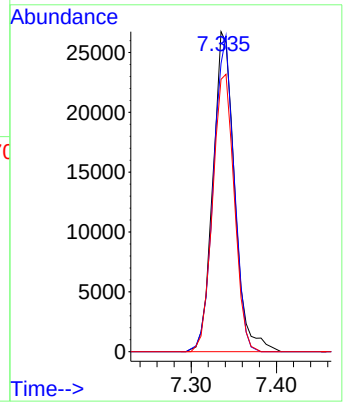


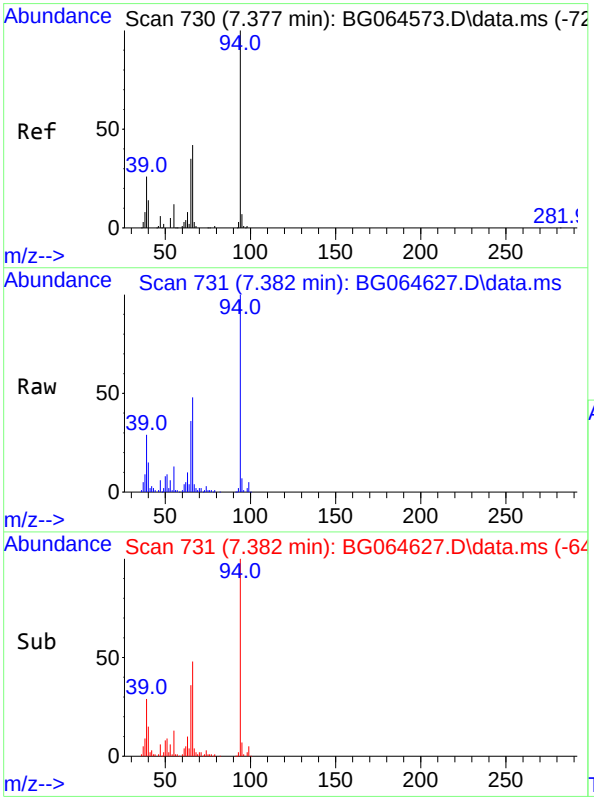
#9
Benzaldehyde
Concen: 34.610 ng
RT: 7.335 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion: 77 Resp: 47095

Ion	Ratio	Lower	Upper
77	100		
105	90.0	72.9	112.9
106	85.1	70.8	110.8

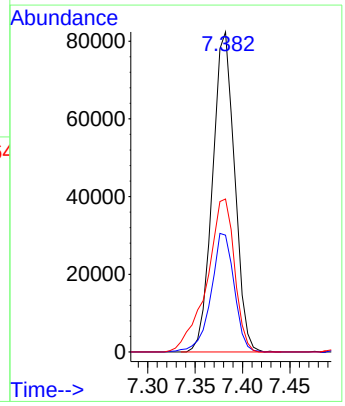


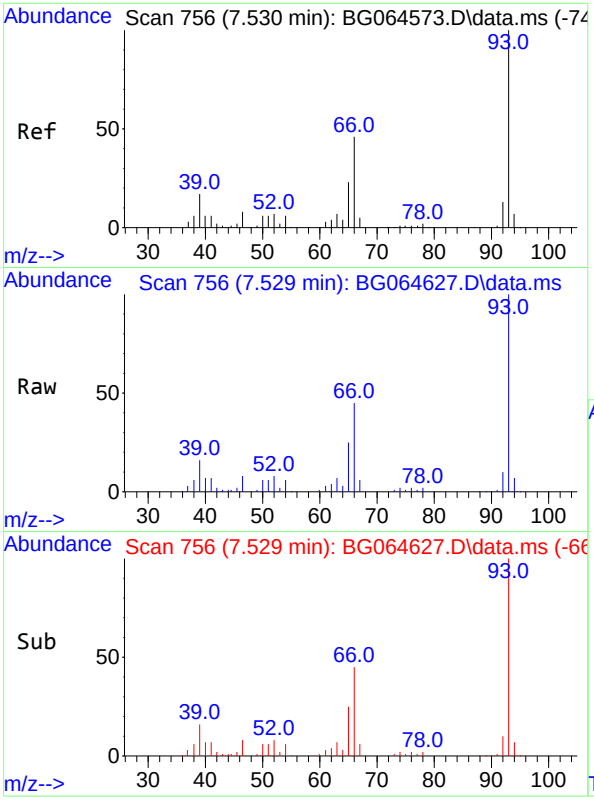


#10
Phenol
Concen: 48.280 ng
RT: 7.382 min Scan# 731
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion: 94 Resp: 133081

Ion	Ratio	Lower	Upper
94	100		
65	36.5	15.8	55.8
66	47.8	24.0	64.0



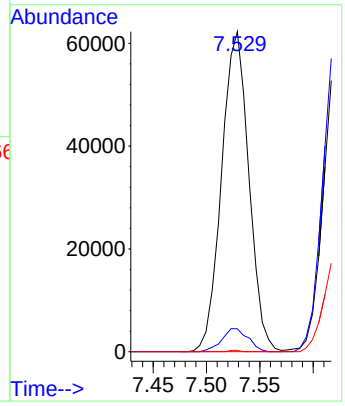


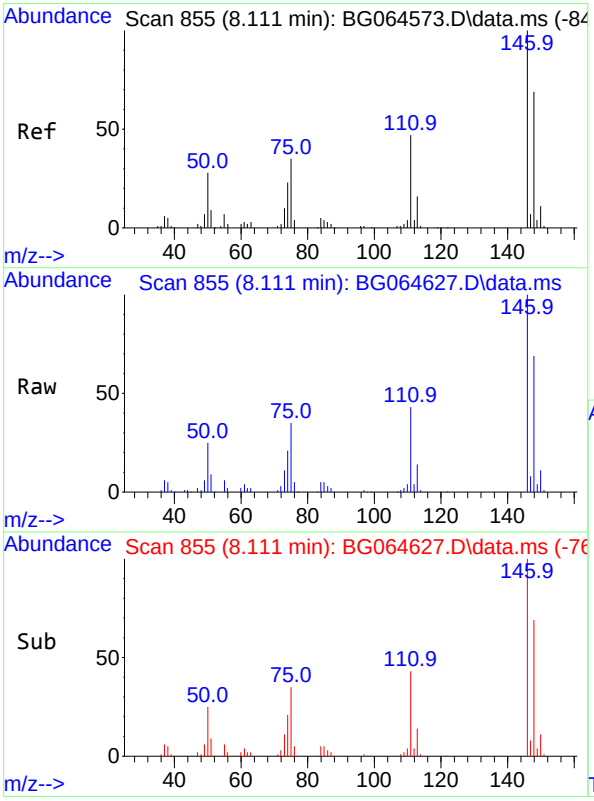
#11
bis(2-Chloroethyl)ether
Concen: 32.624 ng
RT: 7.529 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion: 93 Resp: 110647

Ion	Ratio	Lower	Upper
93	100		
63	7.2	0.0	27.4
95	0.4	0.0	20.2

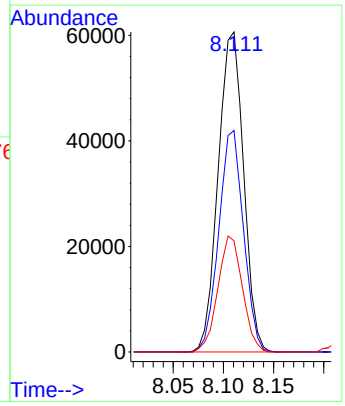


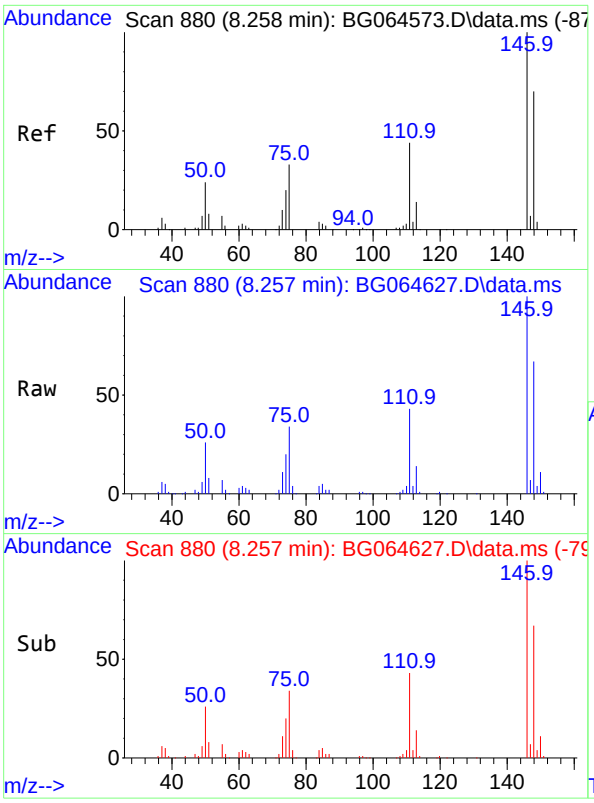


#12
1,3-Dichlorobenzene
Concen: 48.719 ng
RT: 8.111 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:146 Resp: 106607

Ion	Ratio	Lower	Upper
146	100		
148	69.2	55.3	82.9
75	34.8	28.2	42.2



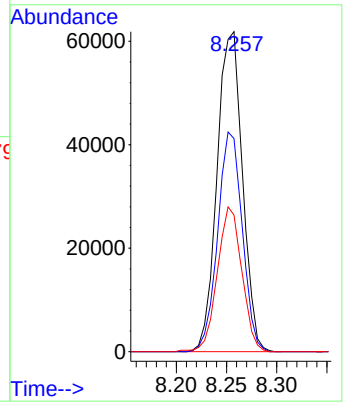


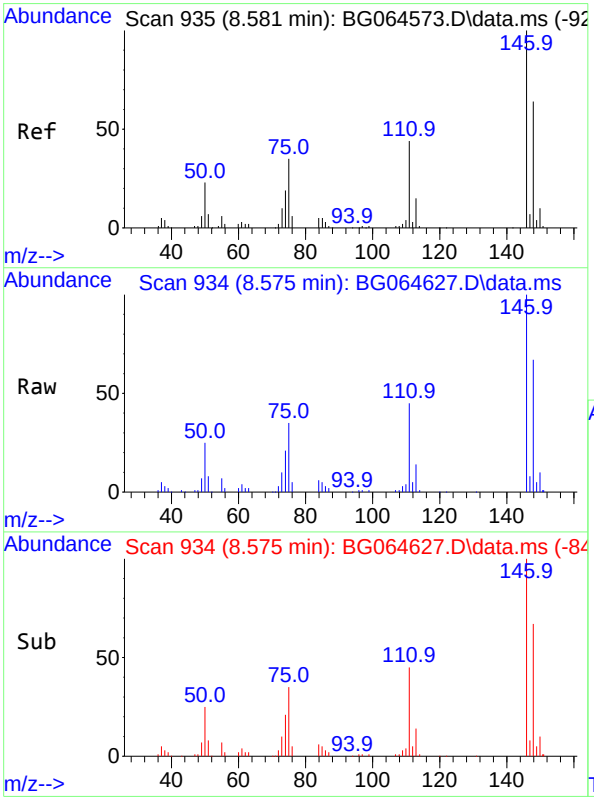
#13
1,4-Dichlorobenzene
Concen: 48.909 ng
RT: 8.257 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:146 Resp: 108820

Ion	Ratio	Lower	Upper
146	100		
148	66.6	56.2	84.4
111	42.7	35.4	53.0

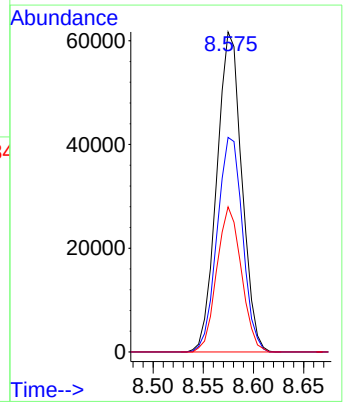


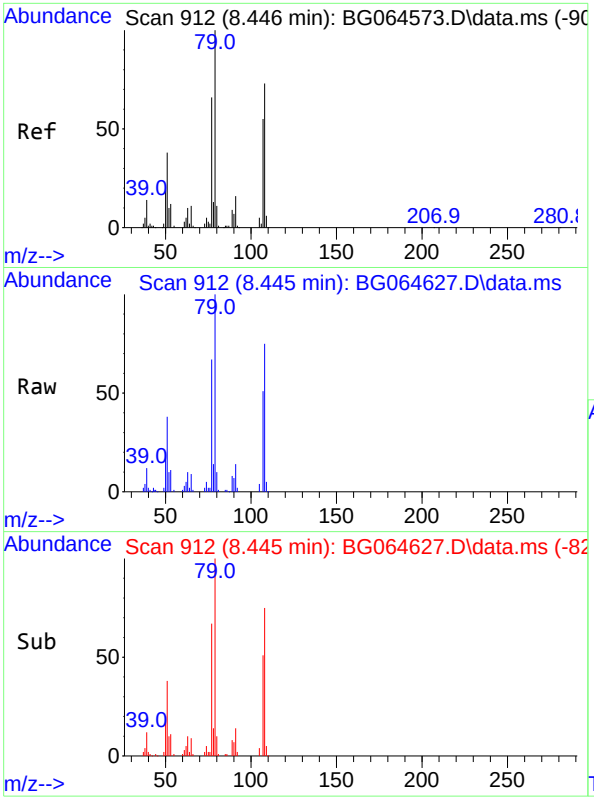


#14
1,2-Dichlorobenzene
Concen: 49.907 ng
RT: 8.575 min Scan# 934
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:146 Resp: 107105

Ion	Ratio	Lower	Upper
146	100		
148	67.1	51.5	77.3
111	45.3	35.0	52.6



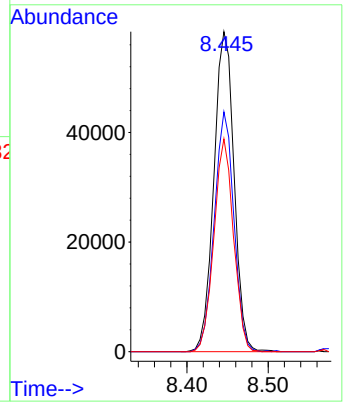


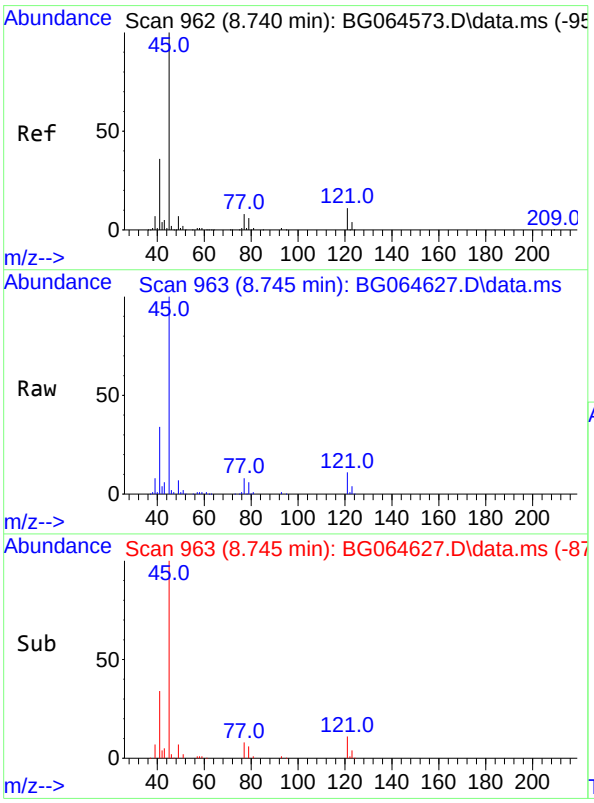
#15
Benzyl Alcohol
Concen: 49.058 ng
RT: 8.445 min Scan# 91
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion: 79 Resp: 100831

Ion	Ratio	Lower	Upper
79	100		
108	75.0	58.1	87.1
77	66.5	52.8	79.2

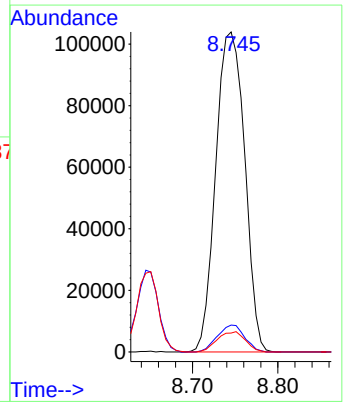


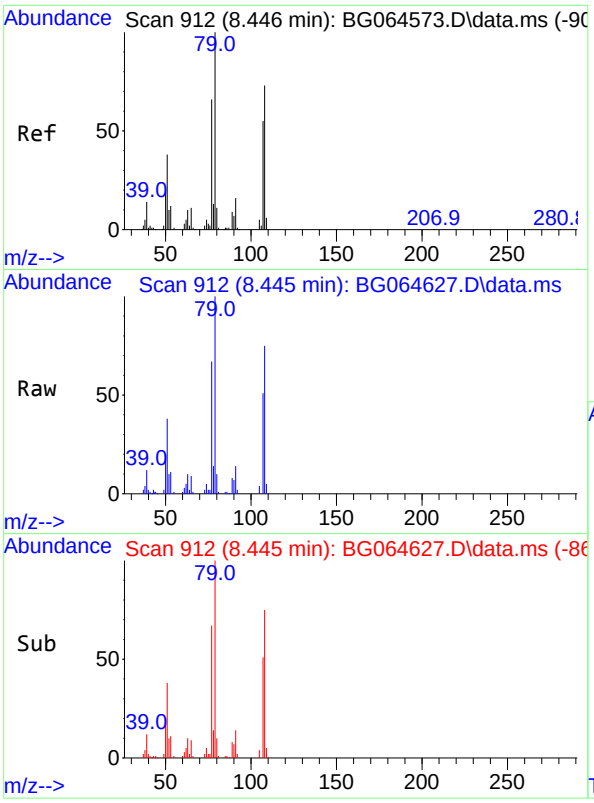


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.132 ng
RT: 8.745 min Scan# 963
Delta R.T. 0.002 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion: 45 Resp: 245238

Ion	Ratio	Lower	Upper
45	100		
77	8.4	0.0	28.5
79	5.9	0.0	25.6



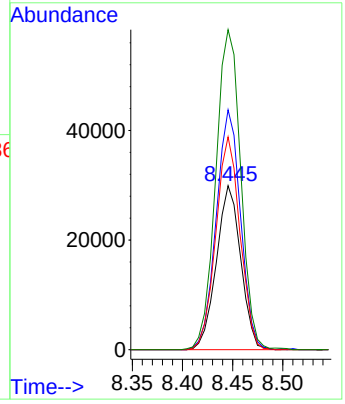


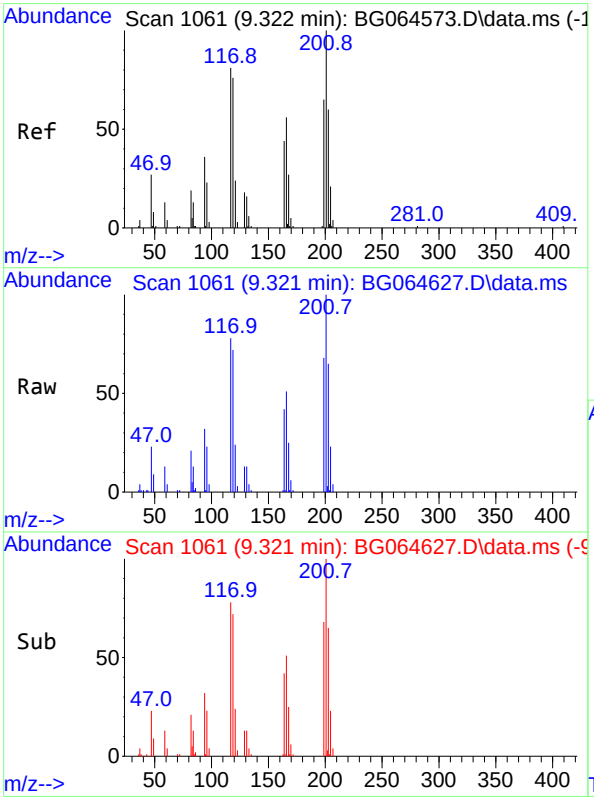
#17
2-Methylphenol
Concen: 49.034 ng
RT: 8.445 min Scan# 91
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:107 Resp: 50376

Ion	Ratio	Lower	Upper
107	100		
108	146.3	106.4	159.6
77	129.8	96.7	145.1
79	195.2	146.6	219.8

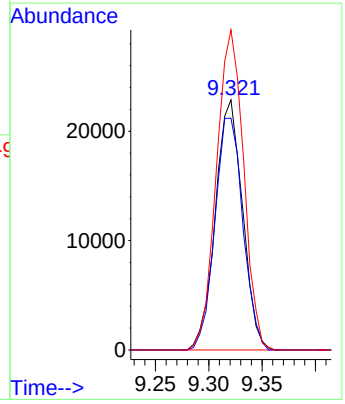


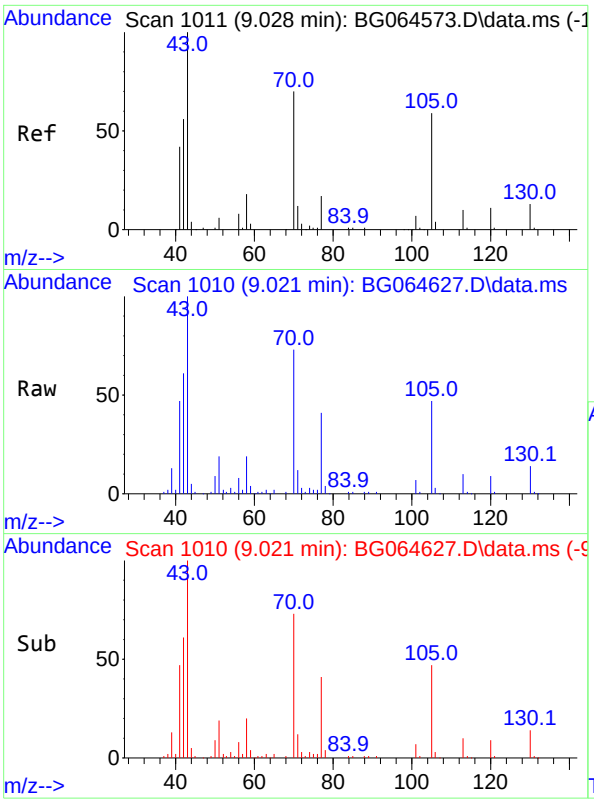


#18
Hexachloroethane
Concen: 51.921 ng
RT: 9.321 min Scan# 1061
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:117 Resp: 40540

Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.4	113.2
201	128.0	99.2	148.8



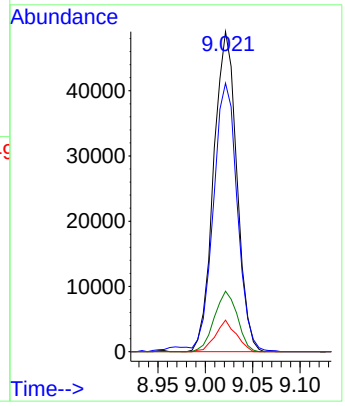


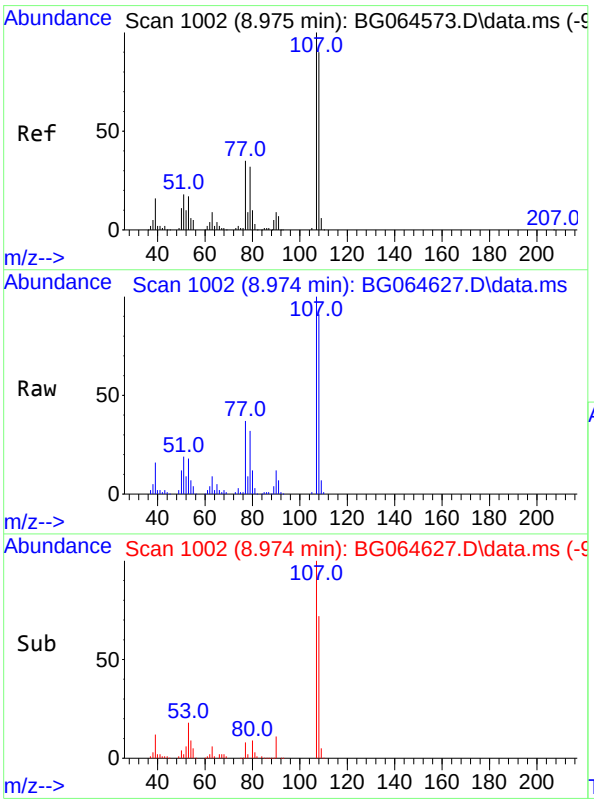
#19
n-Nitroso-di-n-propylamine
Concen: 48.377 ng
RT: 9.021 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion: 70 Resp: 83332

Ion	Ratio	Lower	Upper
70	100		
42	83.9	65.2	97.8
101	9.9	7.9	11.9
130	18.9	14.3	21.5

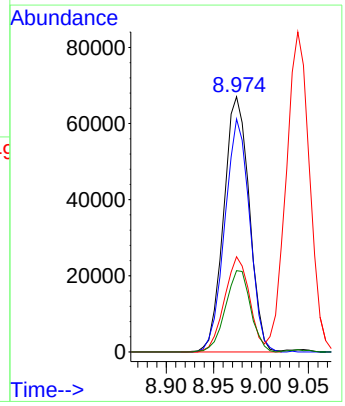


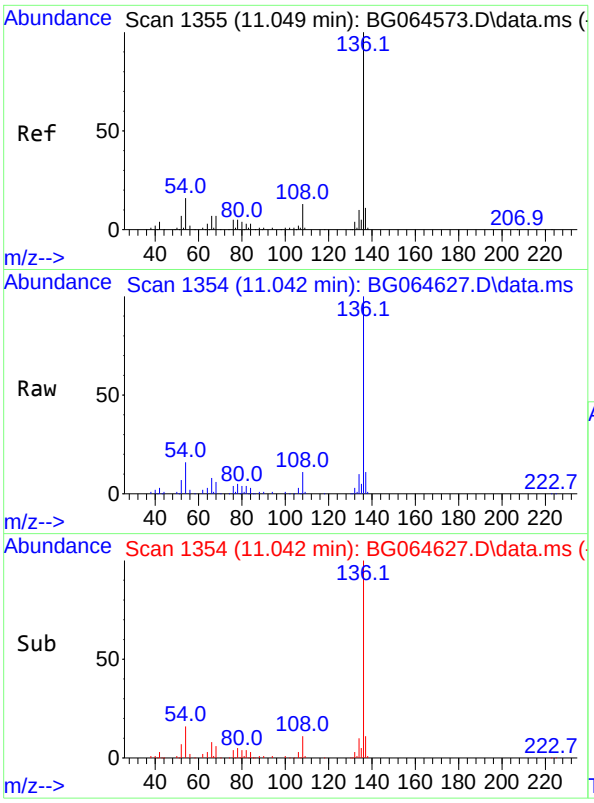


#20
3+4-Methylphenols
Concen: 48.821 ng
RT: 8.974 min Scan# 1002
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:107 Resp: 125652

Ion	Ratio	Lower	Upper
107	100		
108	91.2	70.3	110.3
77	37.3	14.6	54.6
79	31.8	11.7	51.7



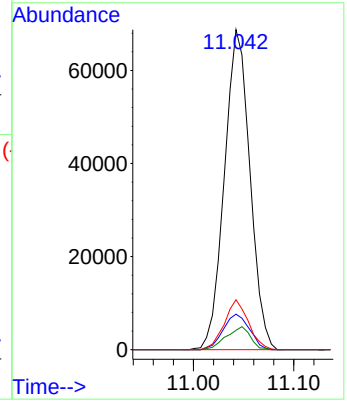


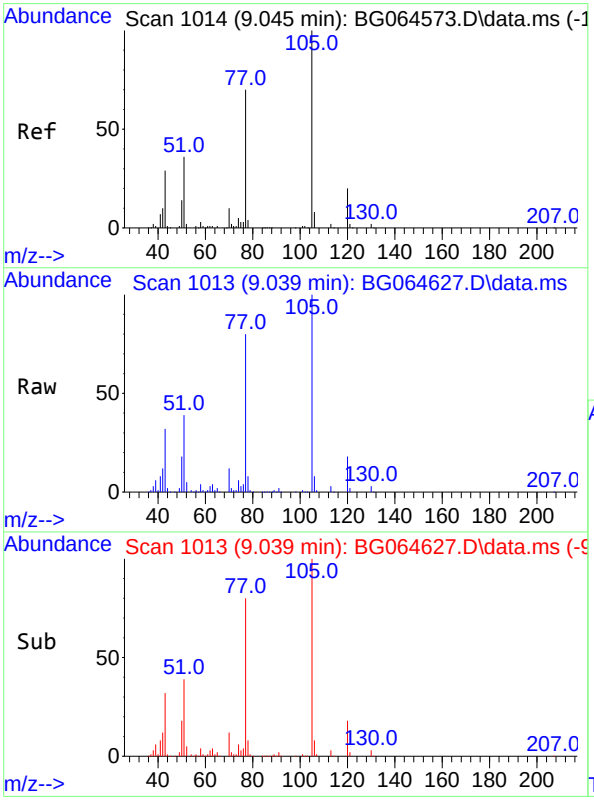
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.042 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:136 Resp: 121320

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	15.6	12.6	19.0
68	6.1	5.7	8.5

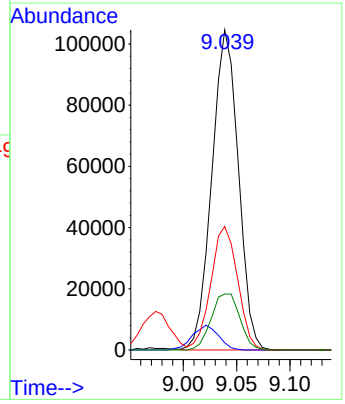


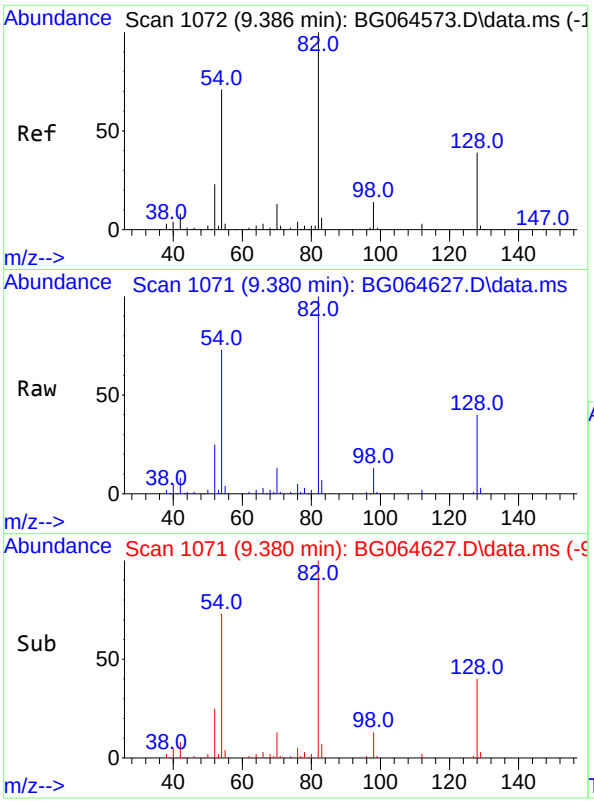


#22
Acetophenone
Concen: 54.347 ng
RT: 9.039 min Scan# 1013
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:105 Resp: 180237

Ion	Ratio	Lower	Upper
105	100		
71	2.3	1.5	2.3
51	38.6	33.7	50.5
120	17.5	16.1	24.1



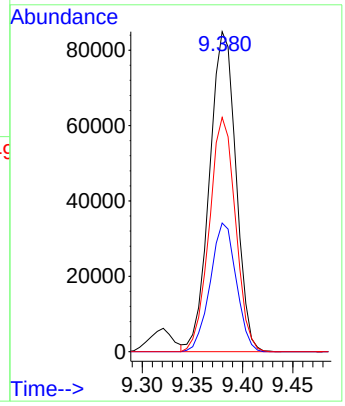


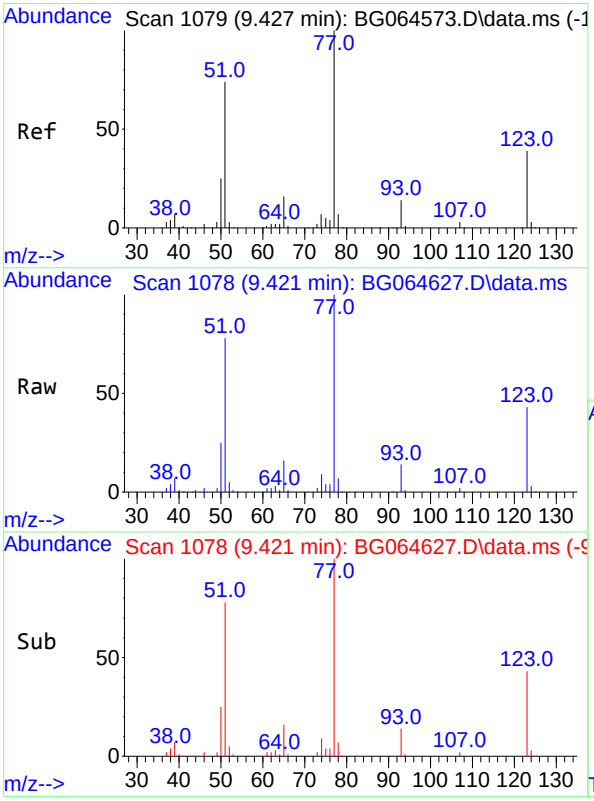
#23
Nitrobenzene-d5
Concen: 76.945 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion: 82 Resp: 155421

Ion	Ratio	Lower	Upper
82	100		
128	40.2	31.3	46.9
54	73.2	56.6	84.8

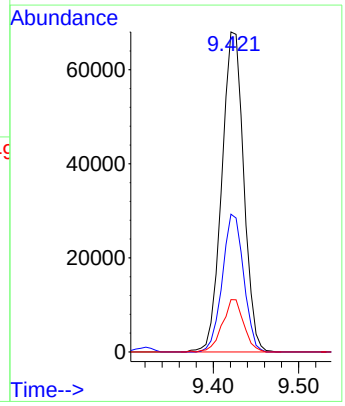


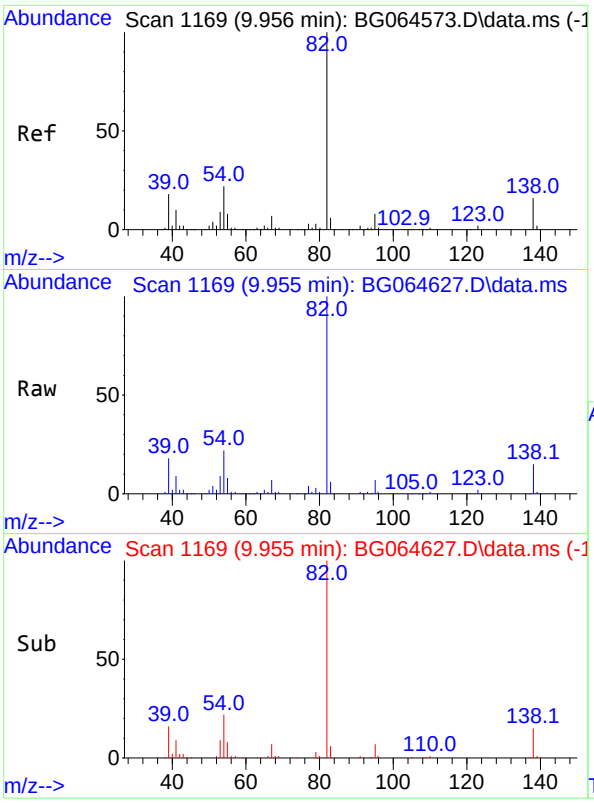


#24
Nitrobenzene
Concen: 55.332 ng
RT: 9.421 min Scan# 1078
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion: 77 Resp: 121561

Ion	Ratio	Lower	Upper
77	100		
123	43.1	31.0	46.6
65	16.4	12.7	19.1



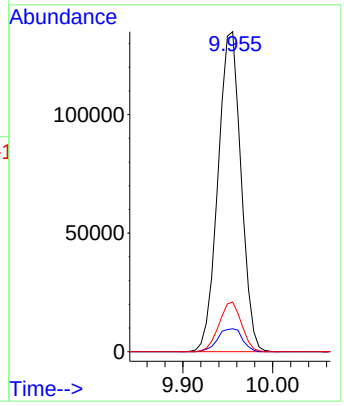


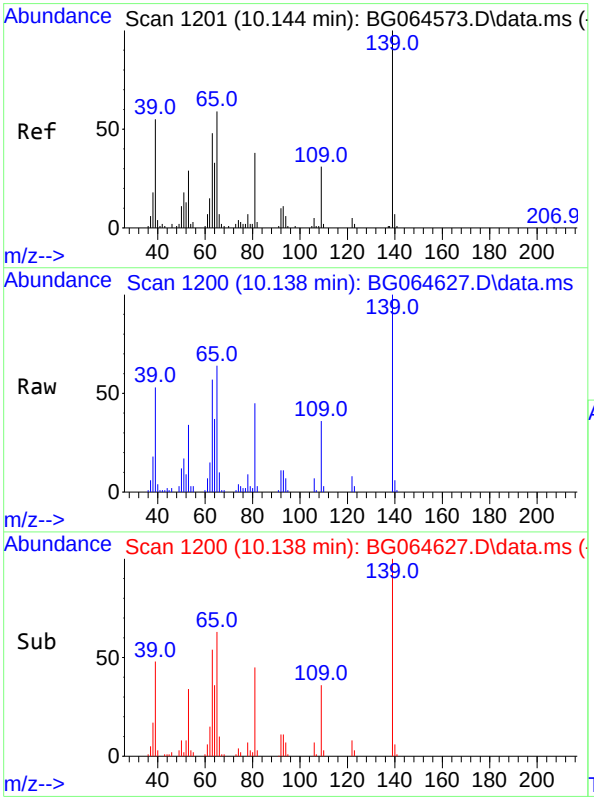
#25
Isophorone
Concen: 49.637 ng
RT: 9.955 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion: 82 Resp: 240580

Ion	Ratio	Lower	Upper
82	100		
95	7.2	6.1	9.1
138	15.5	13.0	19.4

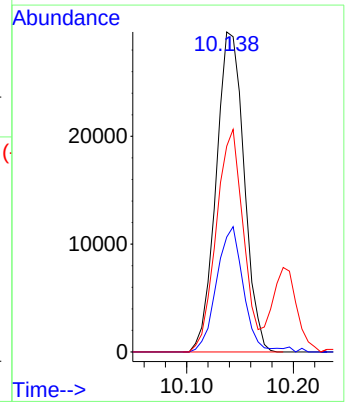


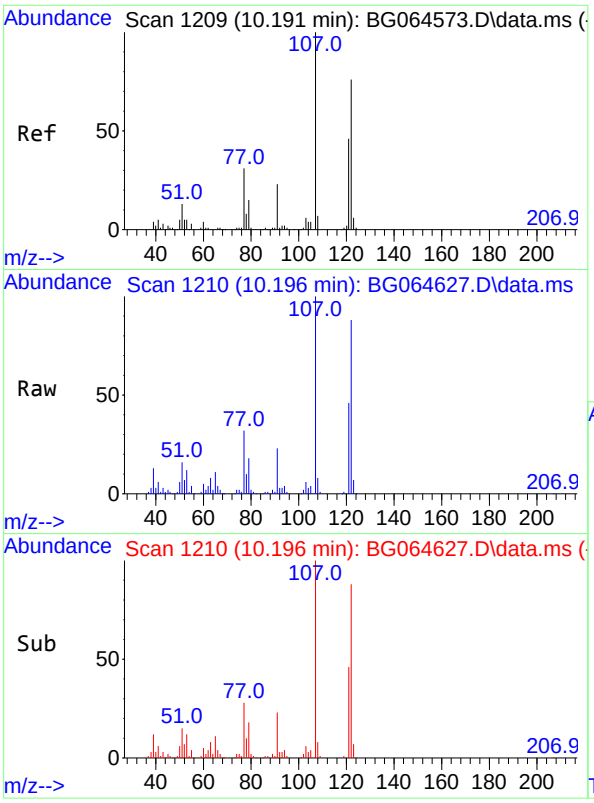


#26
2-Nitrophenol
Concen: 62.810 ng
RT: 10.138 min Scan# 1200
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:139 Resp: 54118

Ion	Ratio	Lower	Upper
139	100		
109	35.9	24.6	37.0
65	64.3	47.5	71.3



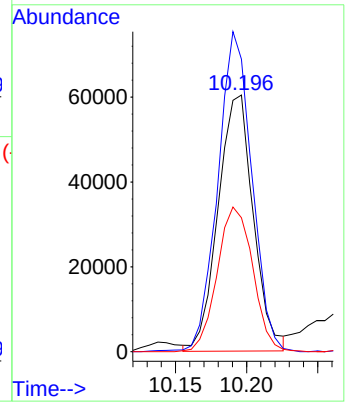


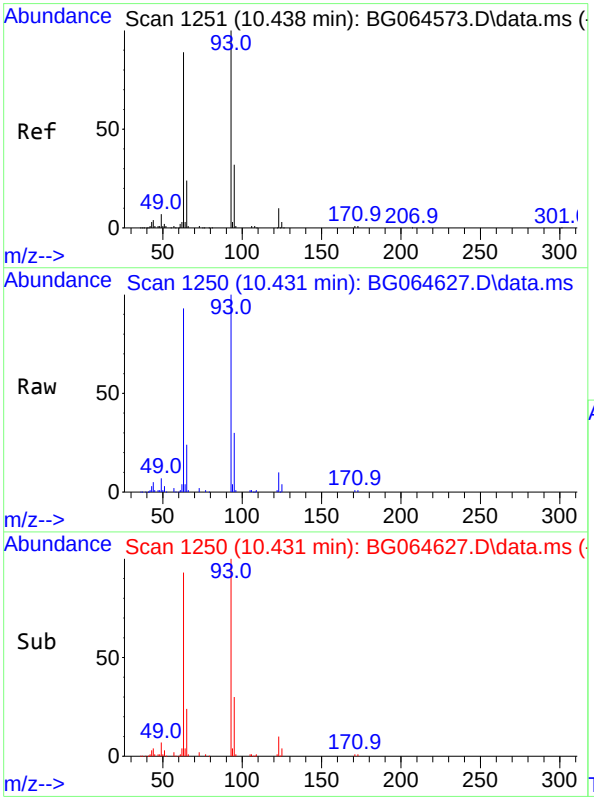
#27
2,4-Dimethylphenol
Concen: 56.519 ng
RT: 10.196 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:122 Resp: 103937

Ion	Ratio	Lower	Upper
122	100		
107	114.0	103.0	154.4
121	52.2	47.8	71.8

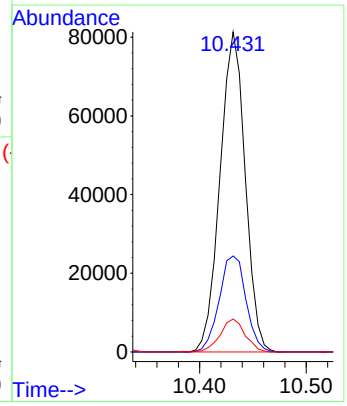


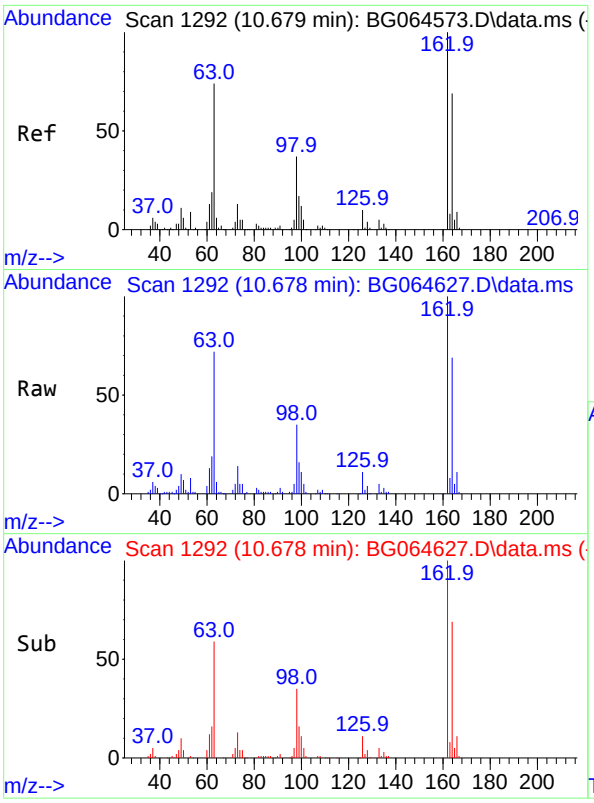


#28
bis(2-Chloroethoxy)methane
Concen: 48.190 ng
RT: 10.431 min Scan# 1250
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion: 93 Resp: 132986

Ion	Ratio	Lower	Upper
93	100		
95	30.0	25.4	38.2
123	10.3	8.4	12.6



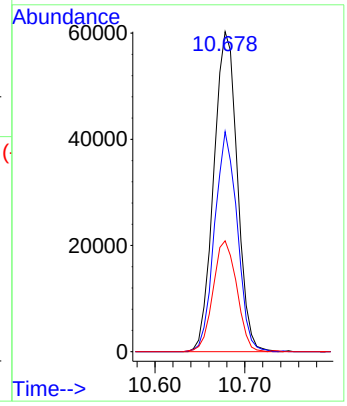


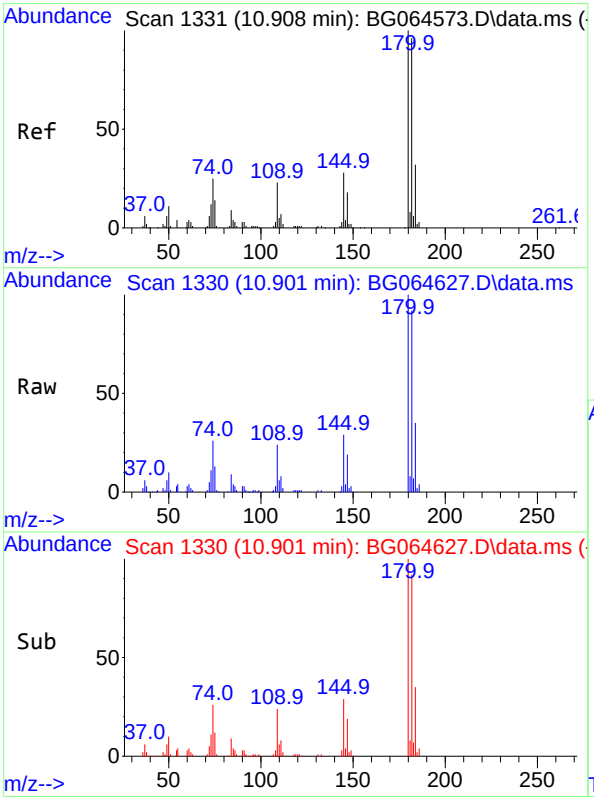
#29
2,4-Dichlorophenol
Concen: 56.512 ng
RT: 10.678 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:162 Resp: 109647

Ion	Ratio	Lower	Upper
162	100		
164	68.8	48.7	88.7
98	34.6	16.9	56.9

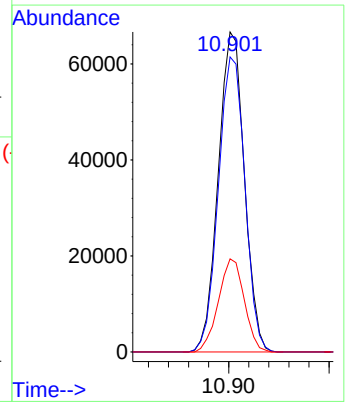


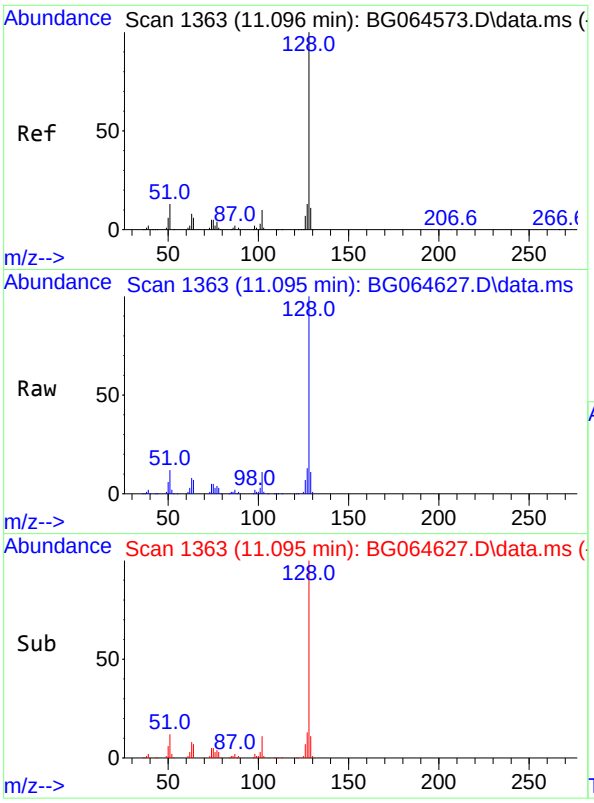


#30
1,2,4-Trichlorobenzene
Concen: 54.496 ng
RT: 10.901 min Scan# 1330
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:180 Resp: 120137

Ion	Ratio	Lower	Upper
180	100		
182	92.2	76.9	115.3
145	29.1	22.1	33.1



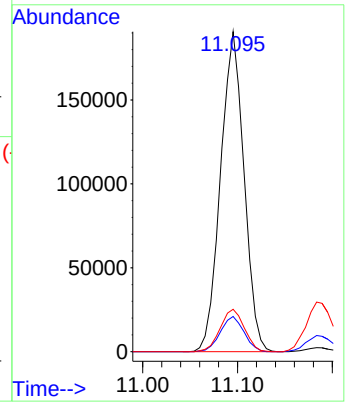


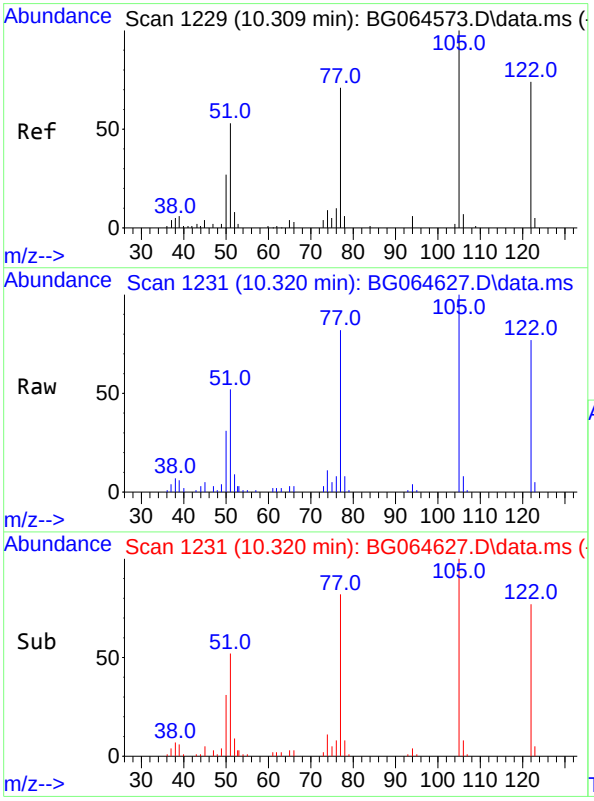
#31
Naphthalene
Concen: 48.777 ng
RT: 11.095 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:128 Resp: 328094

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.3	10.6	15.8

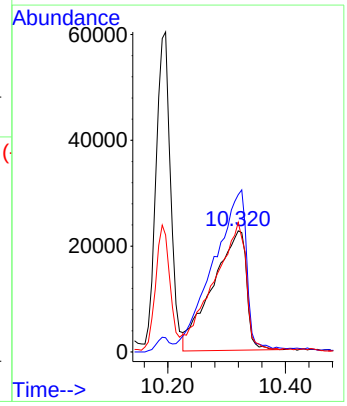


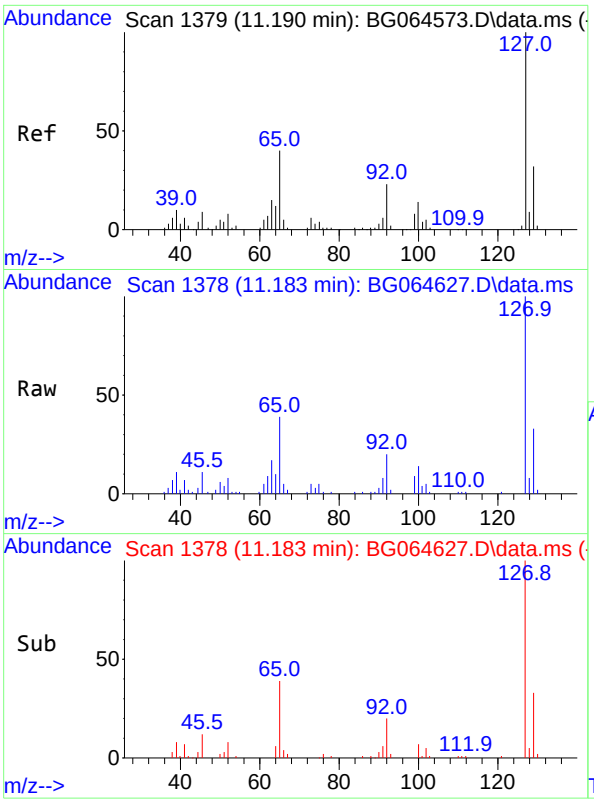


#32
Benzoic acid
Concen: 65.009 ng
RT: 10.320 min Scan# 1231
Delta R.T. -0.022 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:122 Resp: 89978

Ion	Ratio	Lower	Upper
122	100		
105	129.9	104.2	144.2
77	107.0	70.2	110.2



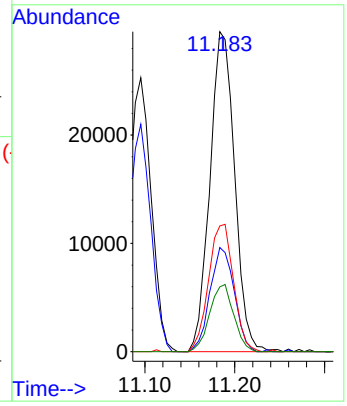


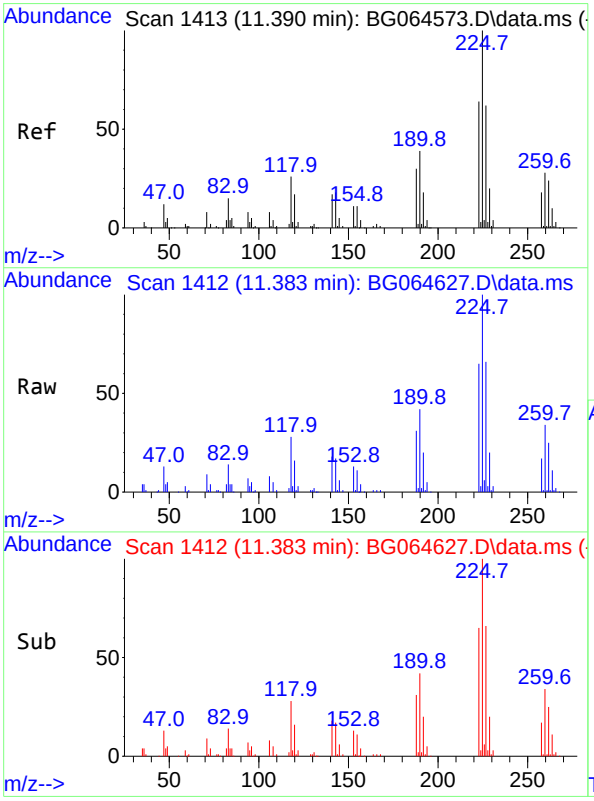
#33
4-Chloroaniline
Concen: 21.618 ng
RT: 11.183 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:127 Resp: 56519

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.5	38.3
65	39.3	32.2	48.4
92	20.3	18.2	27.2

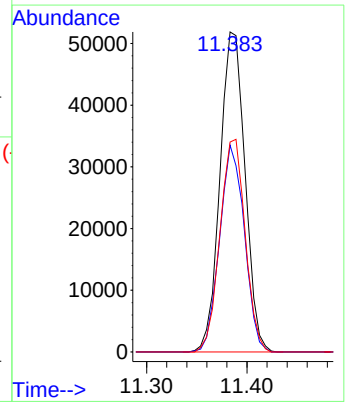


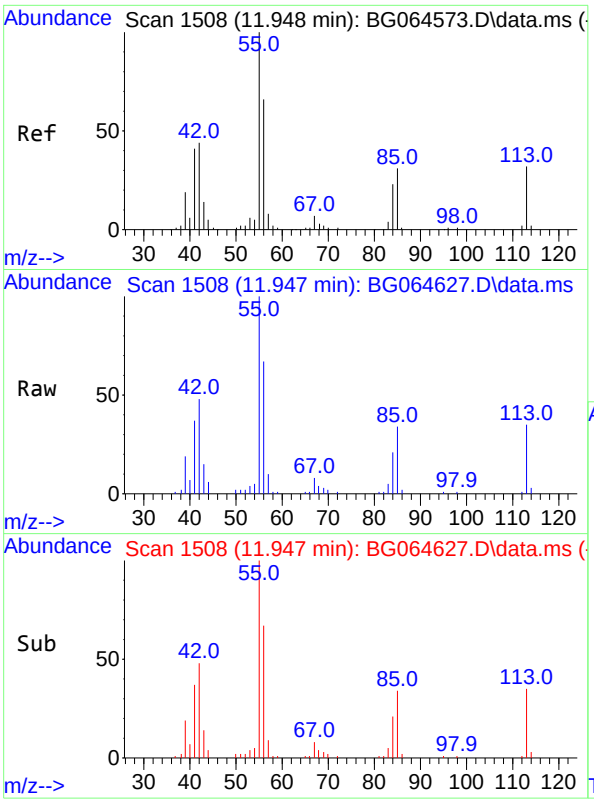


#34
Hexachlorobutadiene
Concen: 52.062 ng
RT: 11.383 min Scan# 1412
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:225 Resp: 89758

Ion	Ratio	Lower	Upper
225	100		
223	64.6	48.8	73.2
227	68.7	49.5	74.3



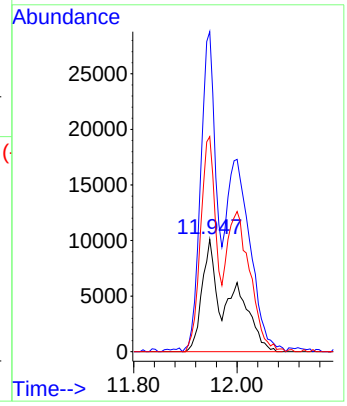


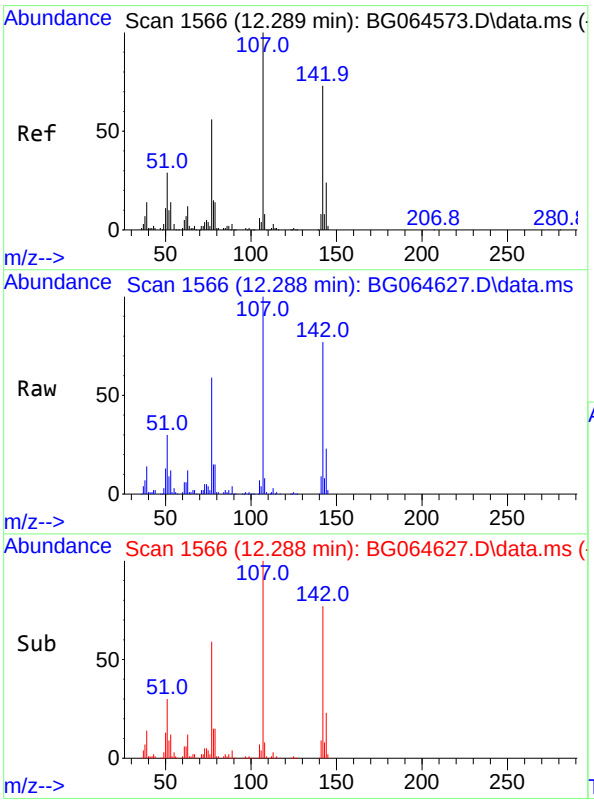
#35
Caprolactam
Concen: 50.401 ng m
RT: 11.947 min Scan# 1
Delta R.T. -0.028 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:113 Resp: 37507

Ion	Ratio	Lower	Upper
113	100		
55	284.8	290.1	330.1#
56	191.4	183.8	223.8

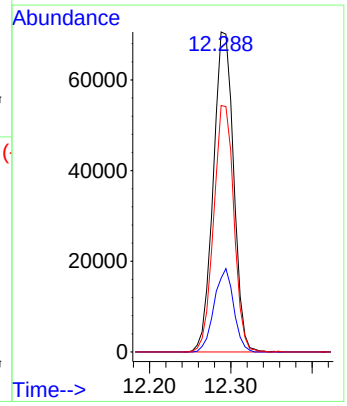


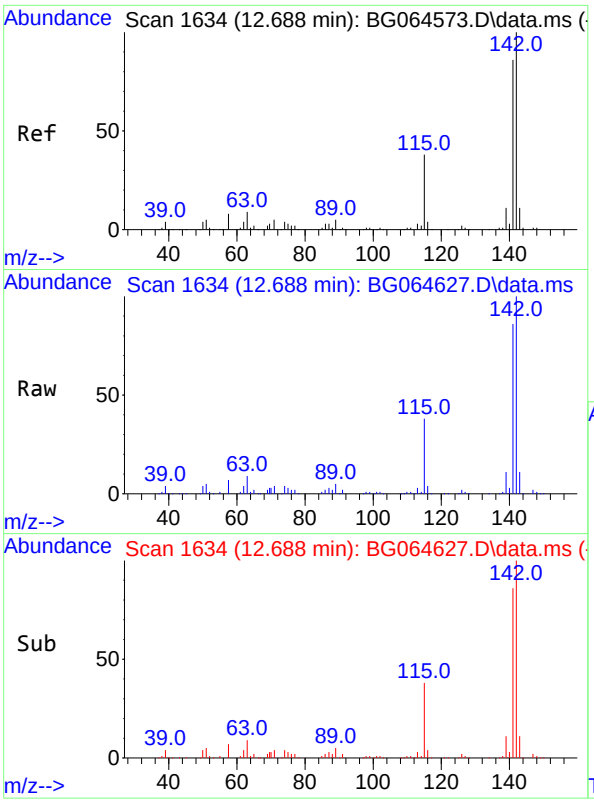


#36
4-Chloro-3-methylphenol
Concen: 52.585 ng
RT: 12.288 min Scan# 1566
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:107 Resp: 122640

Ion	Ratio	Lower	Upper
107	100		
144	23.0	19.1	28.7
142	77.0	58.6	87.8



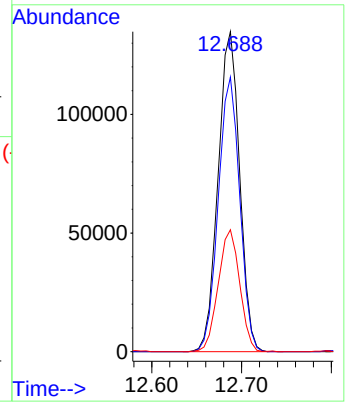


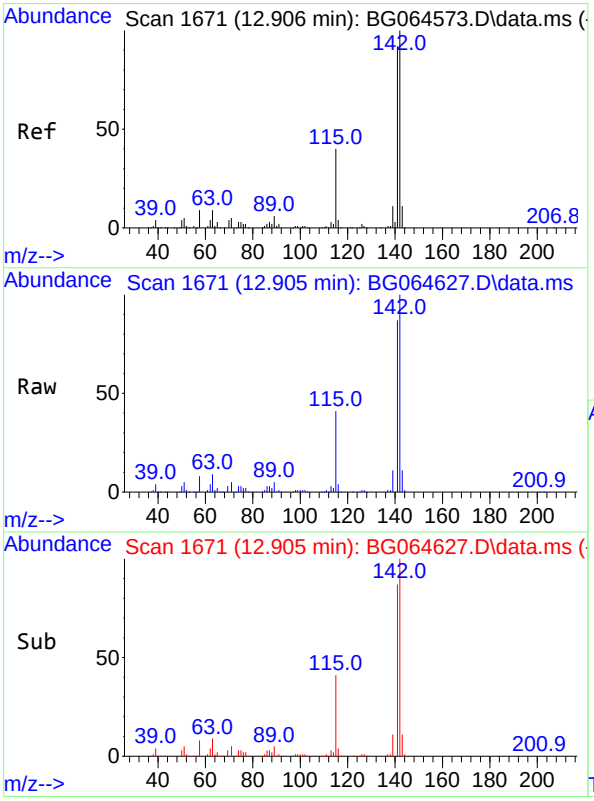
#37
2-Methylnaphthalene
Concen: 45.380 ng
RT: 12.688 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:142 Resp: 224108

Ion	Ratio	Lower	Upper
142	100		
141	85.8	68.9	103.3
115	38.1	30.6	46.0

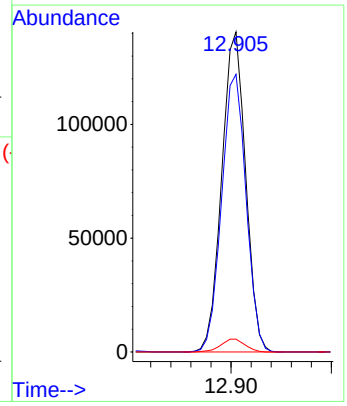


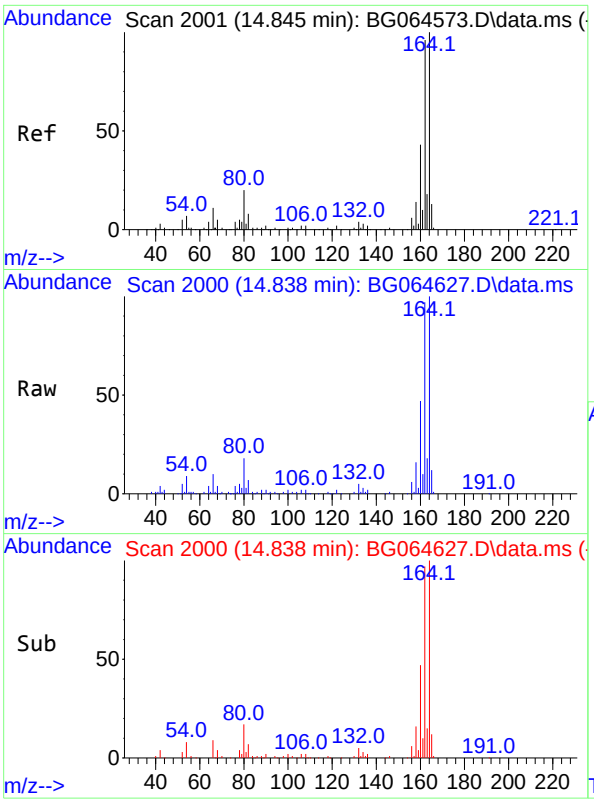


#38
1-Methylnaphthalene
Concen: 47.679 ng
RT: 12.905 min Scan# 1671
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:142 Resp: 231684

Ion	Ratio	Lower	Upper
142	100		
141	86.8	73.3	109.9
116	4.0	3.1	4.7



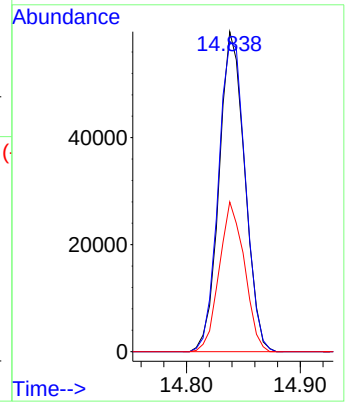


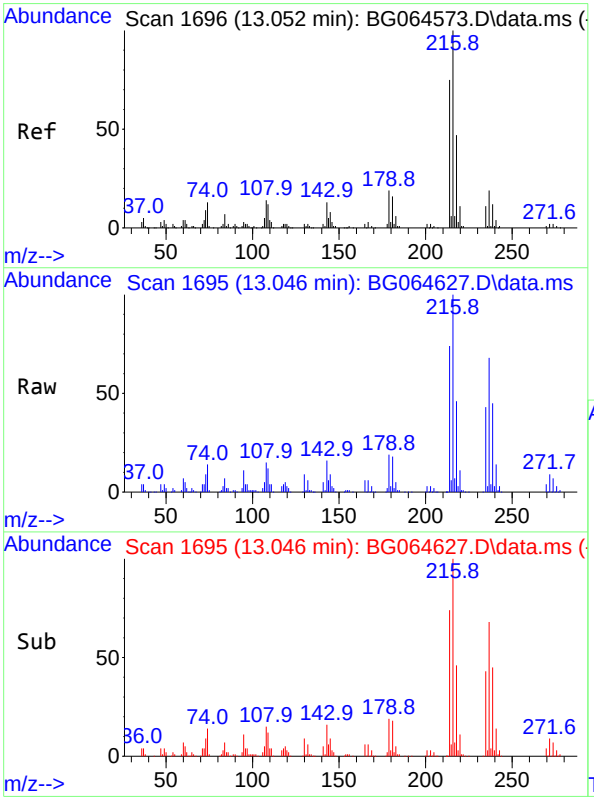
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.838 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:164 Resp: 93614

Ion	Ratio	Lower	Upper
164	100		
162	96.9	77.0	115.6
160	46.8	34.4	51.6

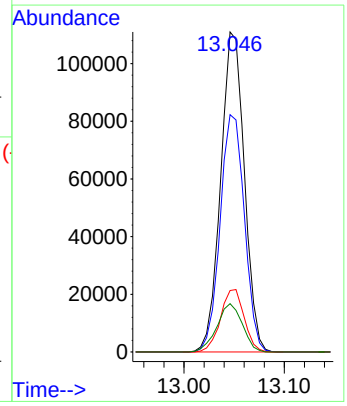


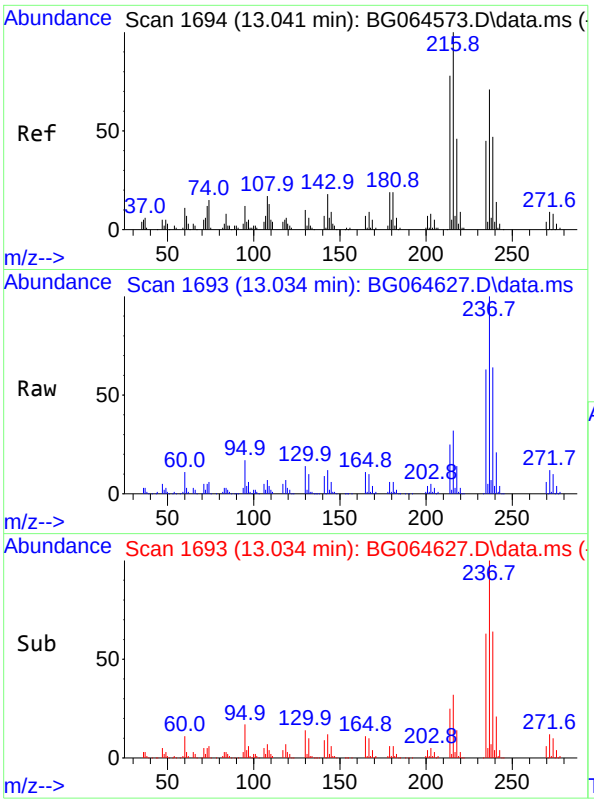


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.895 ng
RT: 13.046 min Scan# 1695
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:216 Resp: 181893

Ion	Ratio	Lower	Upper
216	100		
214	76.0	61.4	92.2
179	19.5	15.4	23.0
108	16.1	11.8	17.6



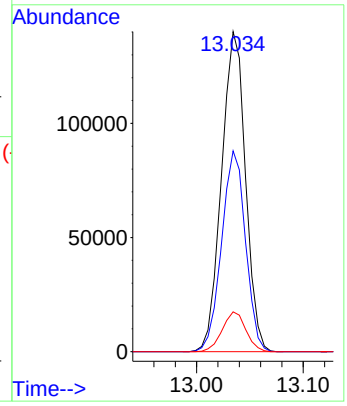


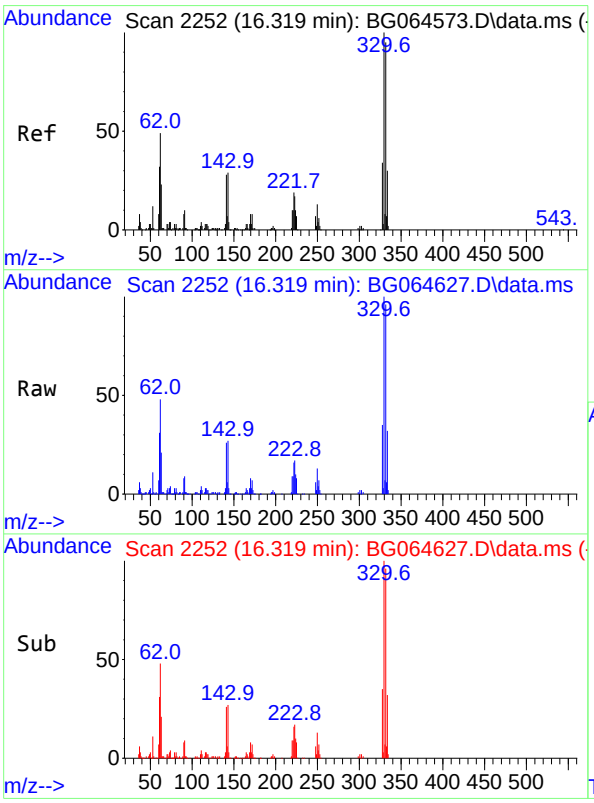
#41
Hexachlorocyclopentadiene
Concen: 154.388 ng
RT: 13.034 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:237 Resp: 218323

Ion	Ratio	Lower	Upper
237	100		
235	62.8	44.1	84.1
272	12.4	0.0	32.4

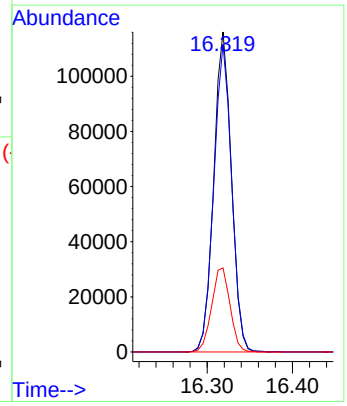


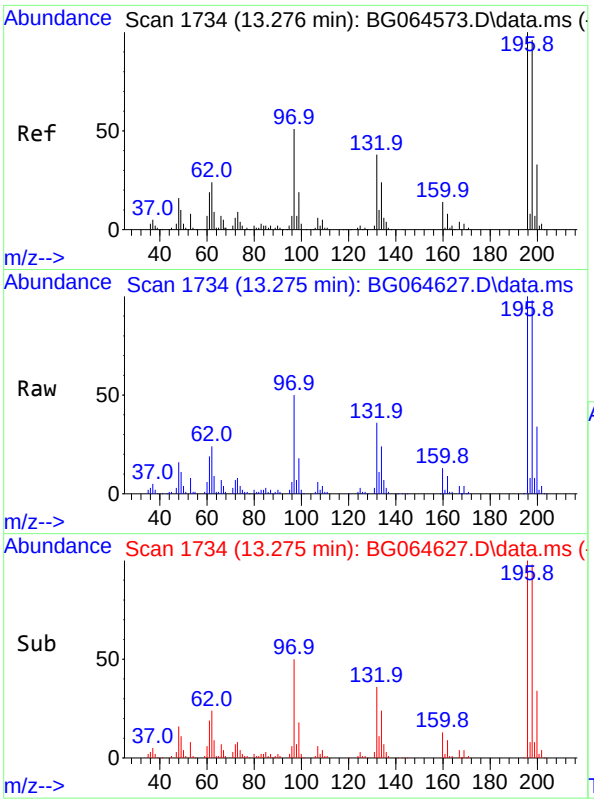


#42
2,4,6-Tribromophenol
Concen: 123.459 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:330 Resp: 166810

Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.0	117.0
141	27.3	21.8	32.6



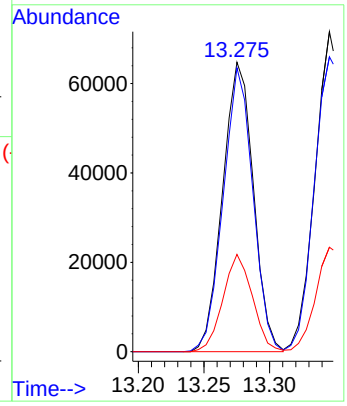


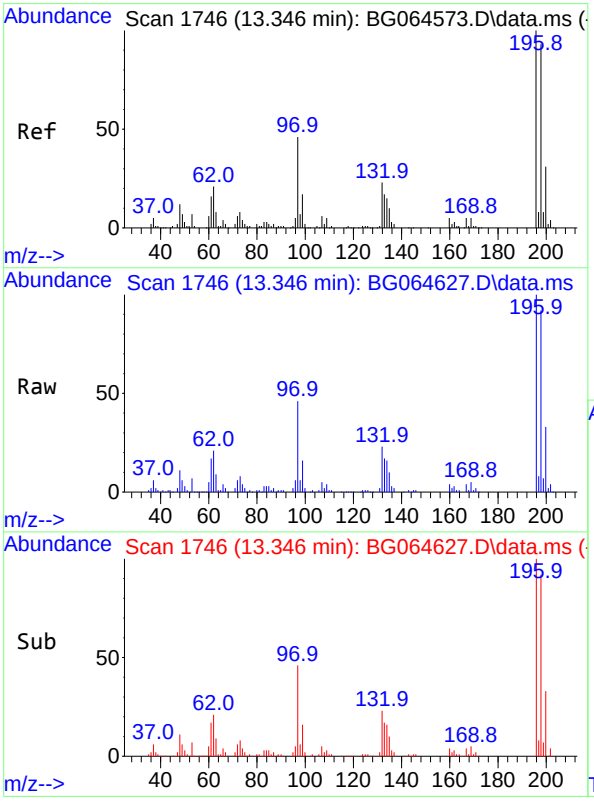
#43
2,4,6-Trichlorophenol
Concen: 58.649 ng
RT: 13.275 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:196 Resp: 105398

Ion	Ratio	Lower	Upper
196	100		
198	98.0	76.6	115.0
200	35.8	26.0	39.0

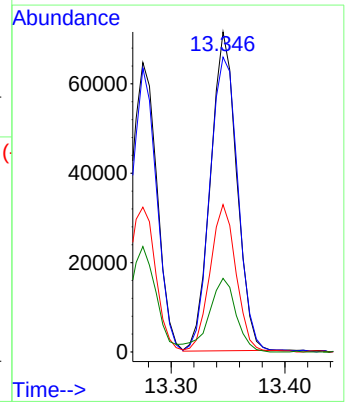


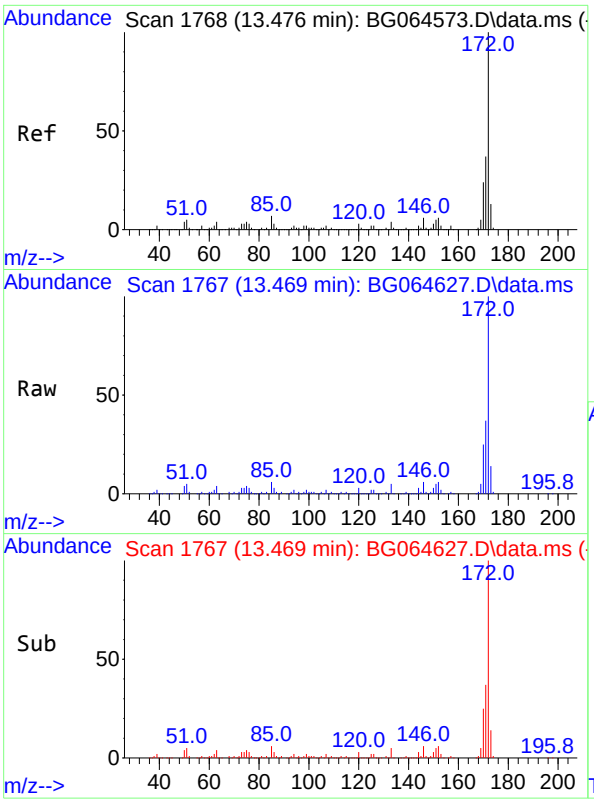


#44
2,4,5-Trichlorophenol
Concen: 55.084 ng
RT: 13.346 min Scan# 1746
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:196 Resp: 114236

Ion	Ratio	Lower	Upper
196	100		
198	92.2	74.2	111.4
97	46.1	37.0	55.6
132	23.0	18.5	27.7



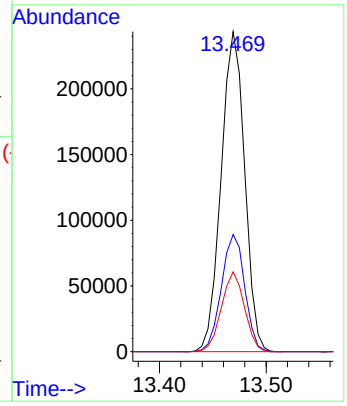


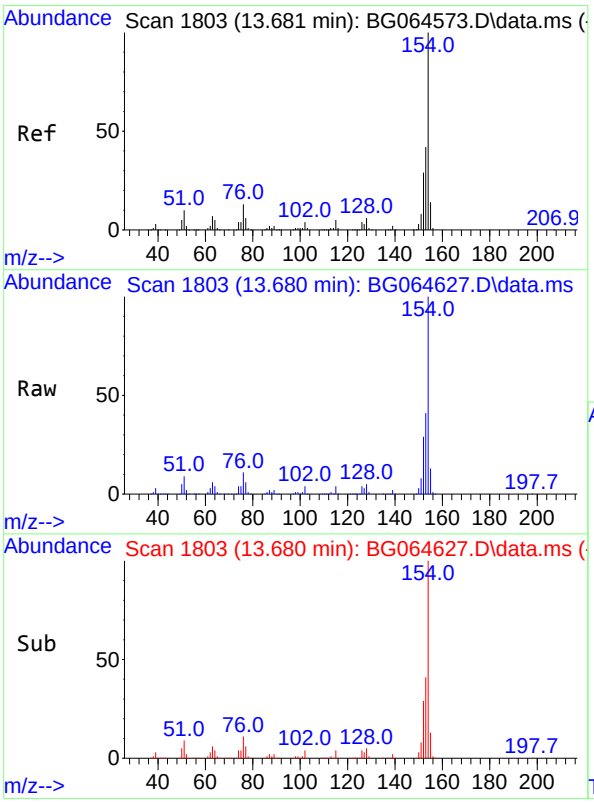
#45
2-Fluorobiphenyl
Concen: 60.330 ng
RT: 13.469 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:172 Resp: 372604

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.4	44.0
170	24.9	19.1	28.7

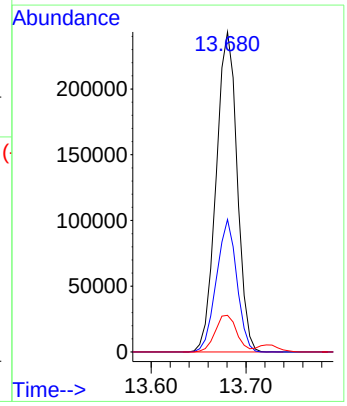


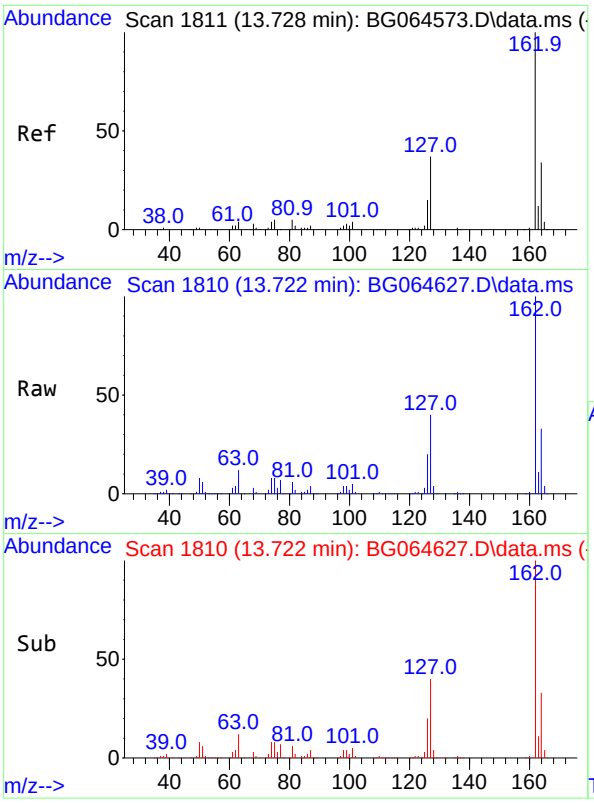


#46
1,1'-Biphenyl
Concen: 56.287 ng
RT: 13.680 min Scan# 1803
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:154 Resp: 374605

Ion	Ratio	Lower	Upper
154	100		
153	41.4	22.4	62.4
76	11.4	0.0	33.5



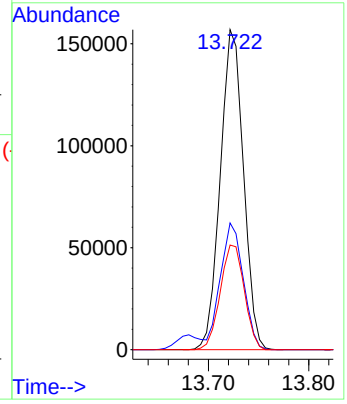


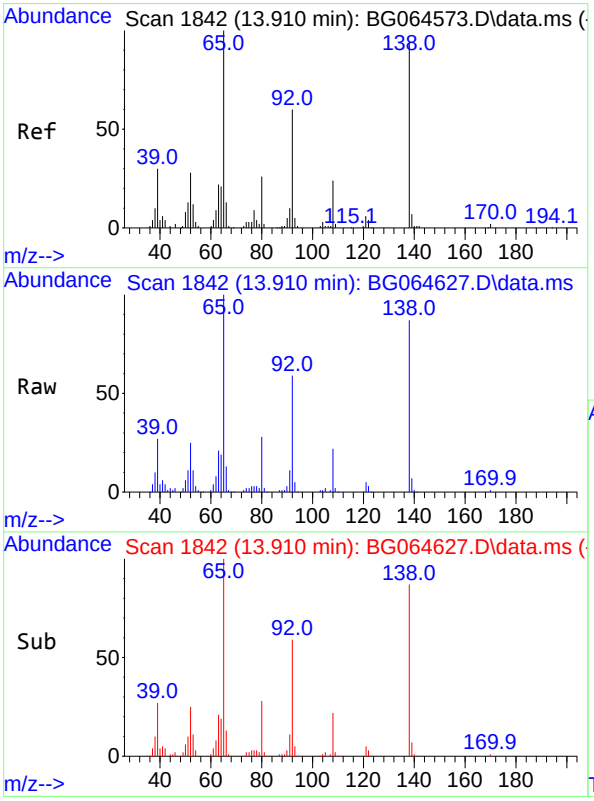
#47
2-Chloronaphthalene
Concen: 50.074 ng
RT: 13.722 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:162 Resp: 251555

Ion	Ratio	Lower	Upper
162	100		
127	39.6	32.2	48.2
164	32.7	27.5	41.3

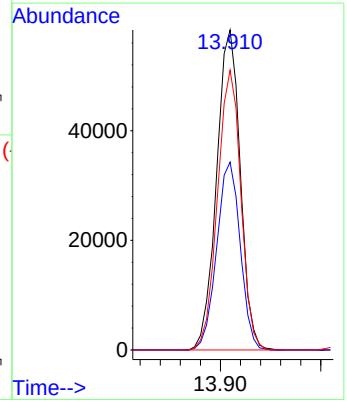


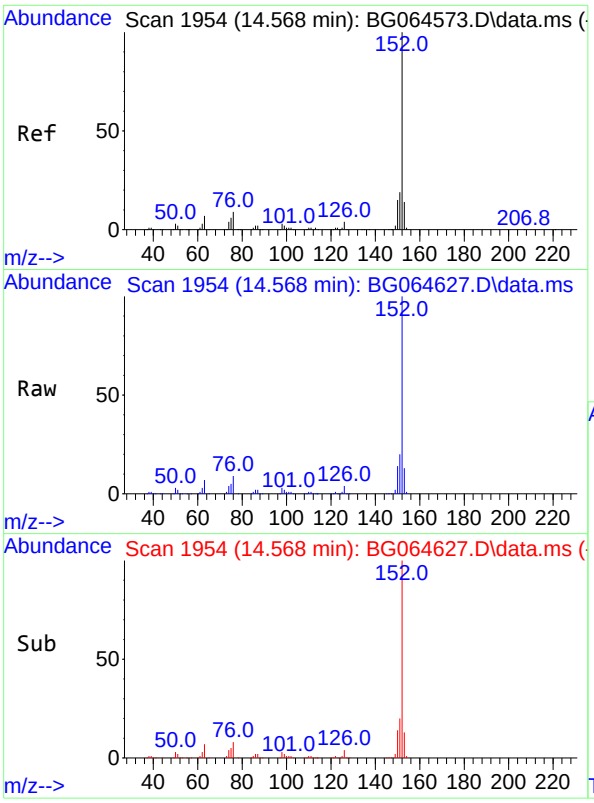


#48
2-Nitroaniline
Concen: 56.055 ng
RT: 13.910 min Scan# 1842
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion: 65 Resp: 95513

Ion	Ratio	Lower	Upper
65	100		
92	58.7	48.3	72.5
138	87.5	74.9	112.3



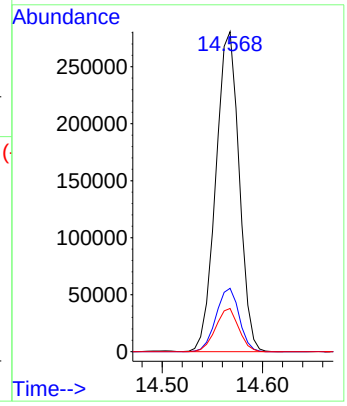


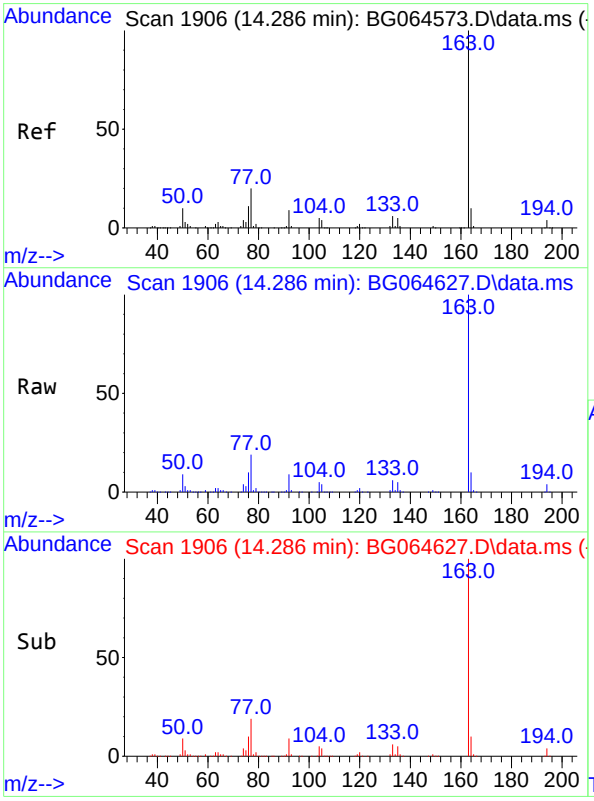
#49
Acenaphthylene
Concen: 57.112 ng
RT: 14.568 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:152 Resp: 452550

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.2
153	13.5	11.0	16.4

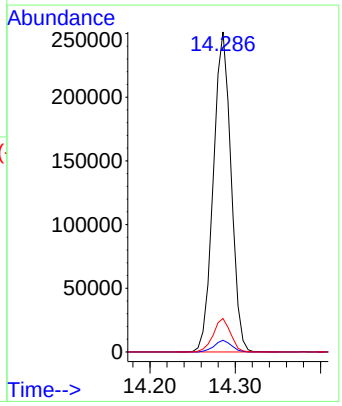


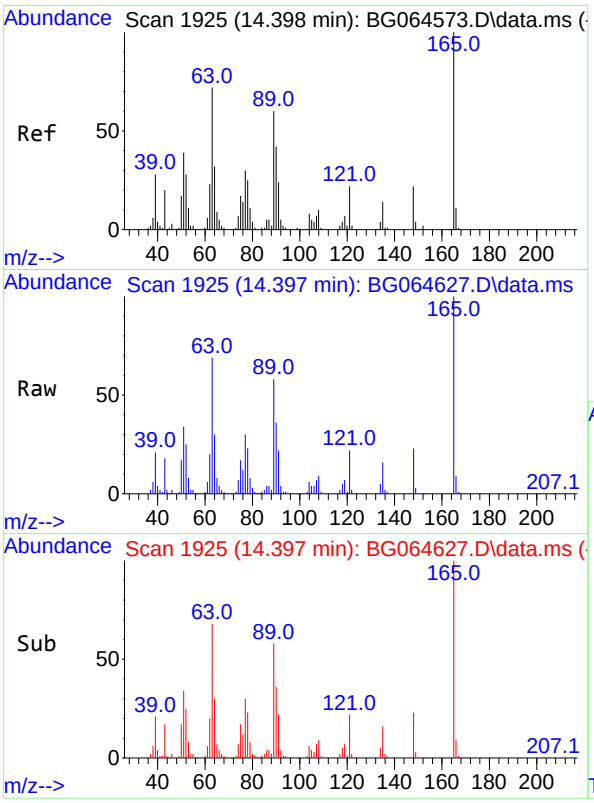


#50
Dimethylphthalate
Concen: 50.569 ng
RT: 14.286 min Scan# 1906
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:163 Resp: 362240

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.8	4.2
164	10.5	7.7	11.5



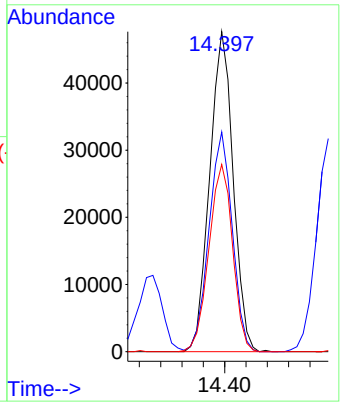


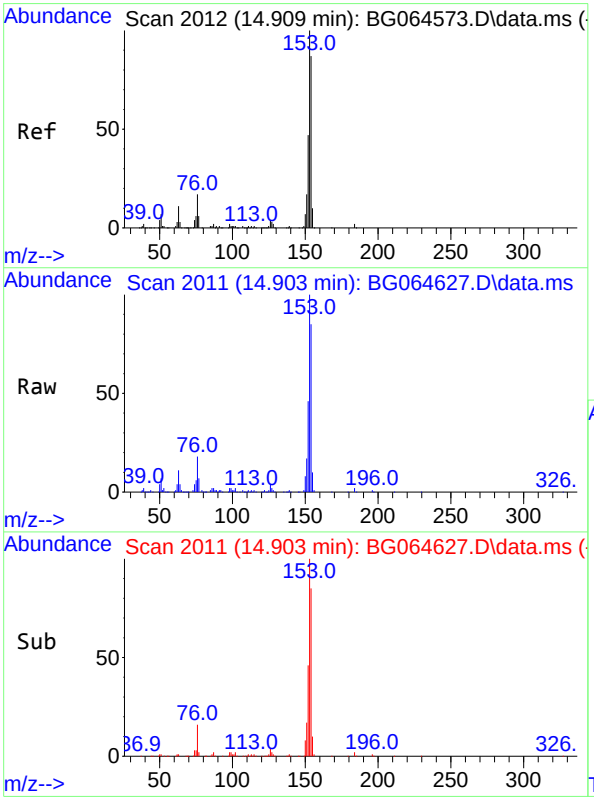
#51
2,6-Dinitrotoluene
Concen: 60.623 ng
RT: 14.397 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:165 Resp: 72717

Ion	Ratio	Lower	Upper
165	100		
63	68.6	57.4	86.0
89	58.5	47.8	71.8

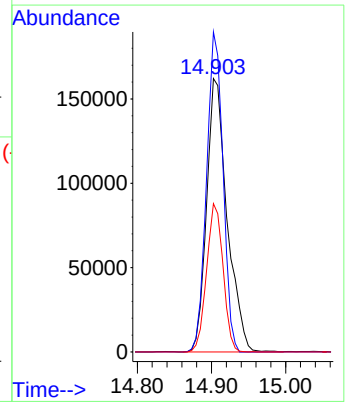


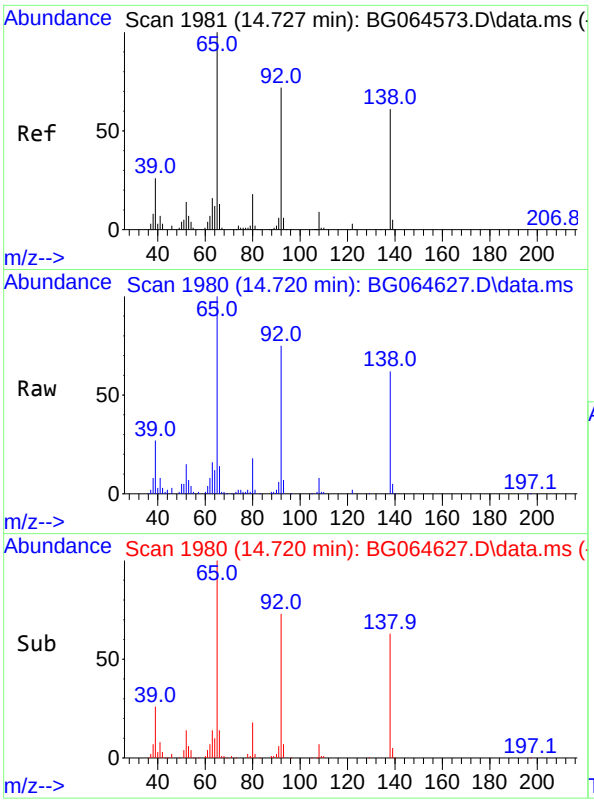


#52
Acenaphthene
Concen: 57.775 ng
RT: 14.903 min Scan# 2011
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:154 Resp: 312776

Ion	Ratio	Lower	Upper
154	100		
153	117.0	92.2	138.4
152	54.2	43.2	64.8



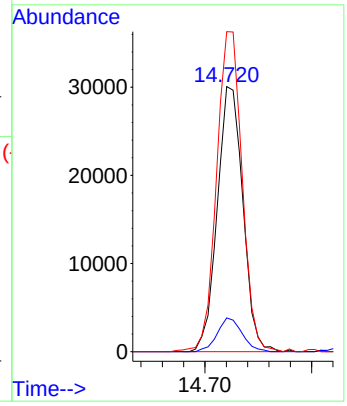


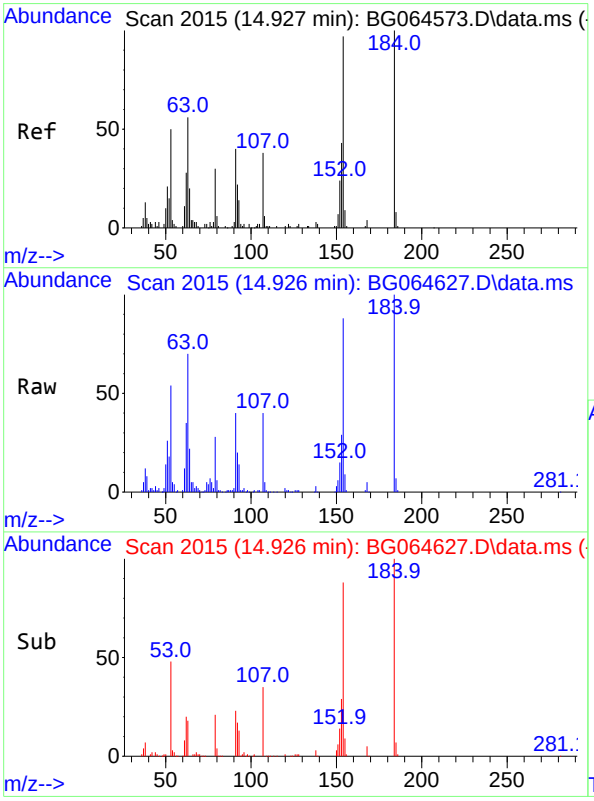
#53
3-Nitroaniline
Concen: 40.637 ng
RT: 14.720 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:138 Resp: 50027

Ion	Ratio	Lower	Upper
138	100		
108	12.7	11.4	17.0
92	120.7	95.3	142.9

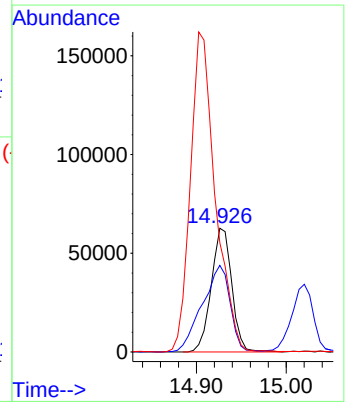


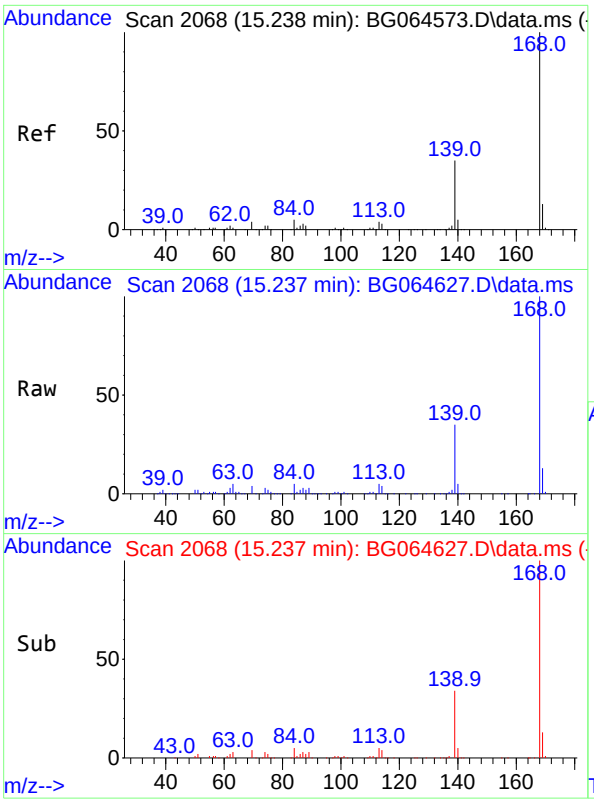


#54
2,4-Dinitrophenol
Concen: 132.948 ng
RT: 14.926 min Scan# 2015
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:184 Resp: 99300

Ion	Ratio	Lower	Upper
184	100		
63	69.9	56.6	85.0
154	88.2	158.6	238.0#



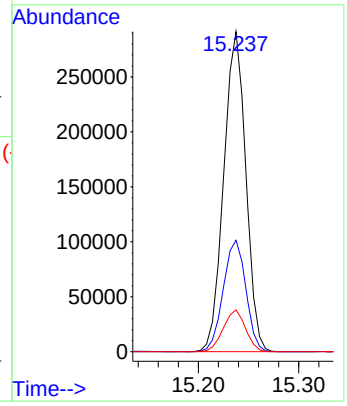


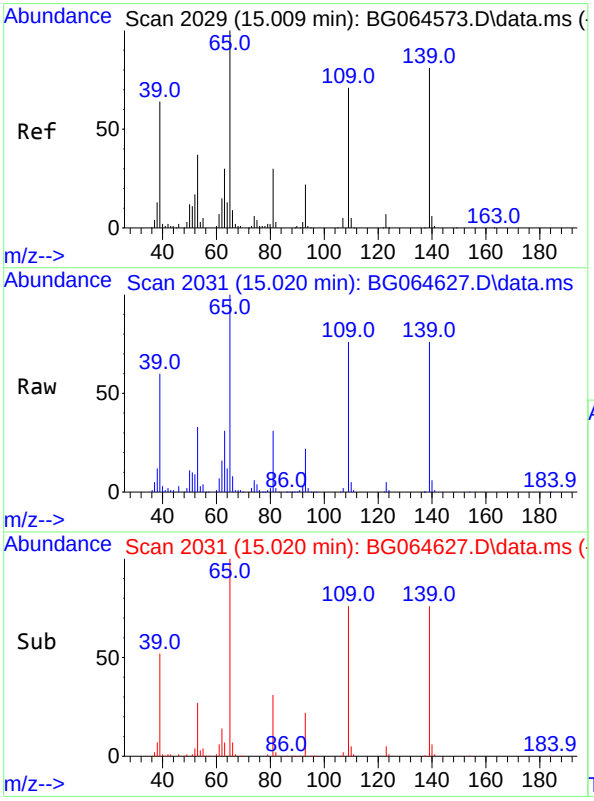
#55
Dibenzofuran
Concen: 50.793 ng
RT: 15.237 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:168 Resp: 444561

Ion	Ratio	Lower	Upper
168	100		
139	34.8	27.8	41.8
169	13.1	10.3	15.5

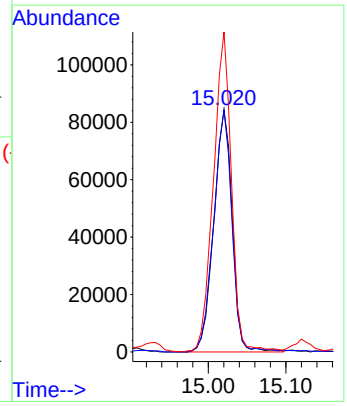


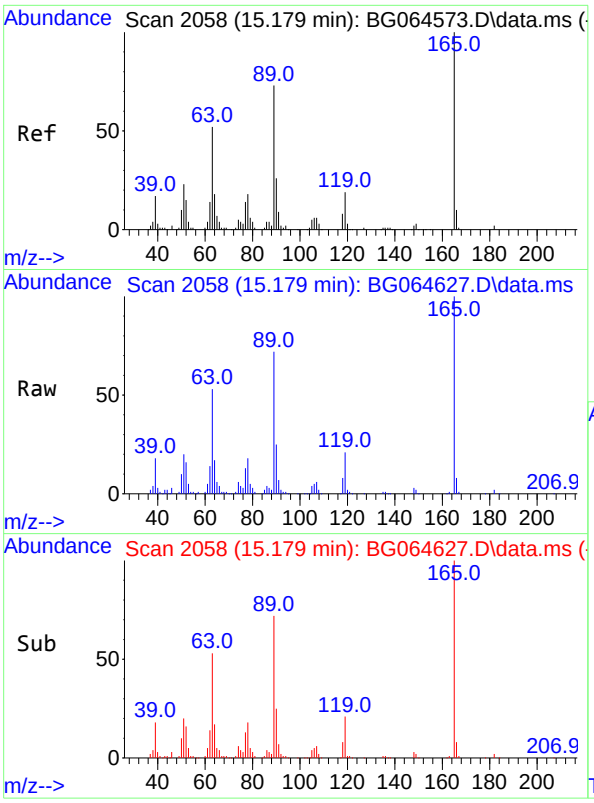


#56
4-Nitrophenol
Concen: 121.914 ng
RT: 15.020 min Scan# 2031
Delta R.T. 0.002 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:139 Resp: 139148

Ion	Ratio	Lower	Upper
139	100		
109	100.0	67.8	107.8
65	132.3	103.7	143.7



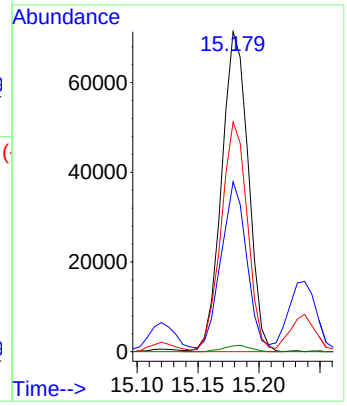


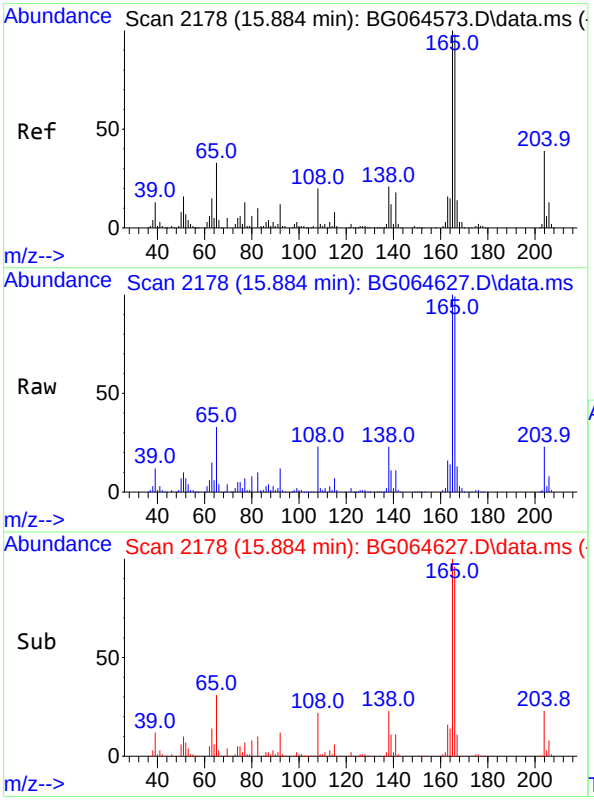
#57
2,4-Dinitrotoluene
Concen: 58.491 ng
RT: 15.179 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:165 Resp: 108193

Ion	Ratio	Lower	Upper
165	100		
63	53.1	41.8	62.8
89	71.8	58.1	87.1
182	1.8	1.4	2.0

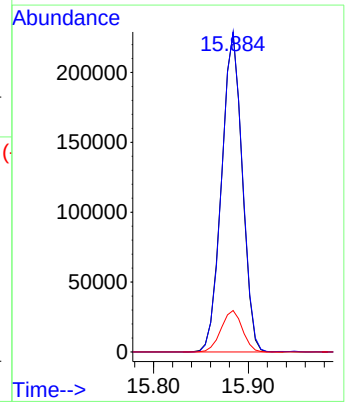


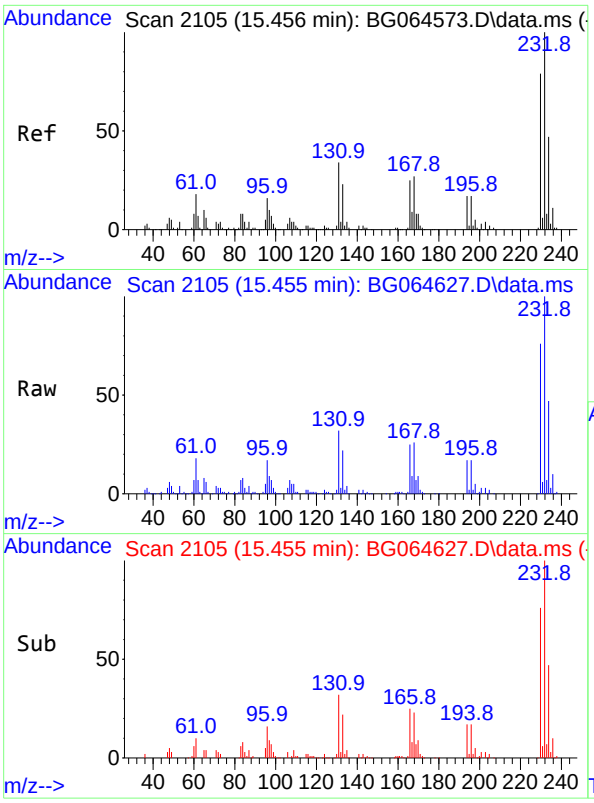


#58
Fluorene
Concen: 50.581 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:166 Resp: 345737

Ion	Ratio	Lower	Upper
166	100		
165	100.5	81.5	122.3
167	13.0	11.4	17.0



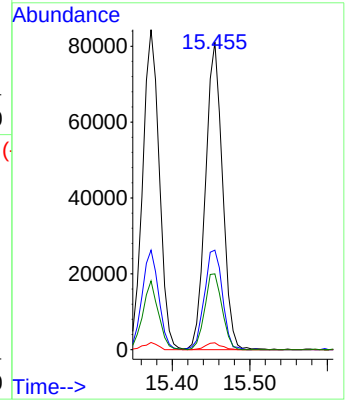


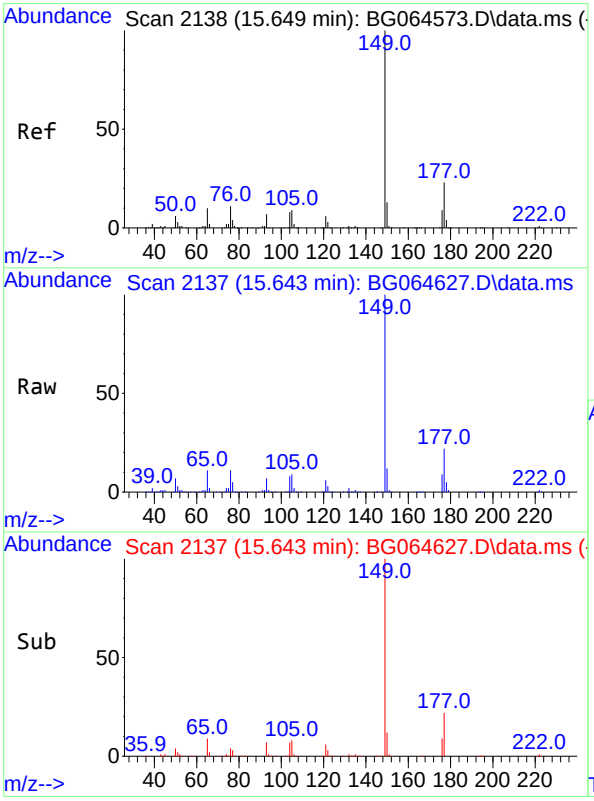
#59
2,3,4,6-Tetrachlorophenol
Concen: 62.001 ng
RT: 15.455 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:232 Resp: 122956

Ion	Ratio	Lower	Upper
232	100		
131	34.4	26.7	40.1
130	2.1	1.6	2.4
166	25.2	20.5	30.7

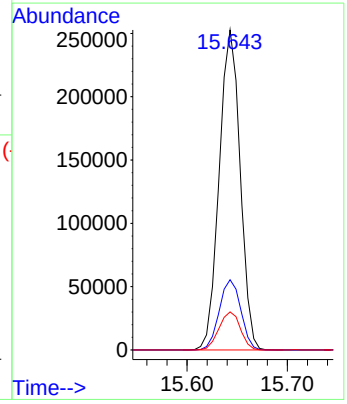


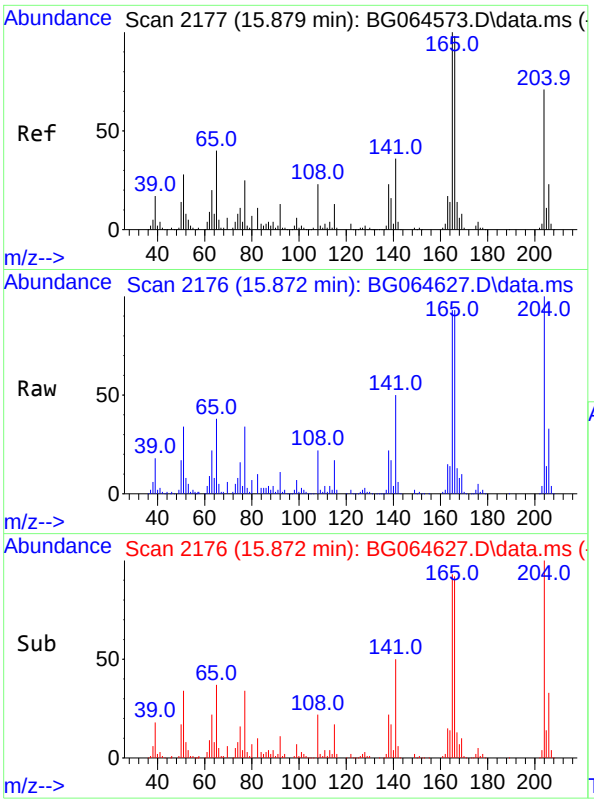


#60
Diethylphthalate
Concen: 50.036 ng
RT: 15.643 min Scan# 2137
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:149 Resp: 365971

Ion	Ratio	Lower	Upper
149	100		
177	21.9	18.0	27.0
150	11.9	10.2	15.4



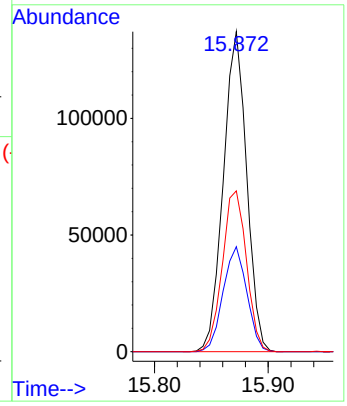


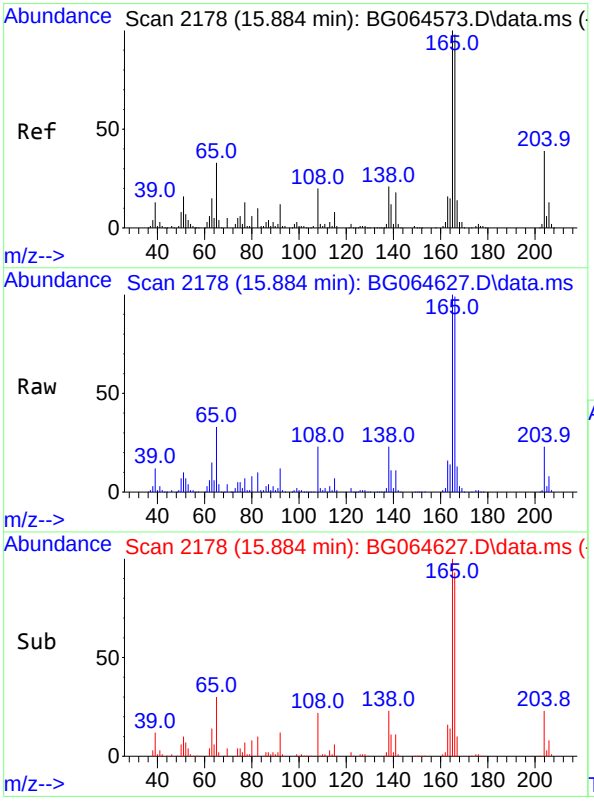
#61
4-Chlorophenyl-phenylether
Concen: 50.956 ng
RT: 15.872 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:204 Resp: 195464

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.6	38.4
141	50.2	40.6	60.8

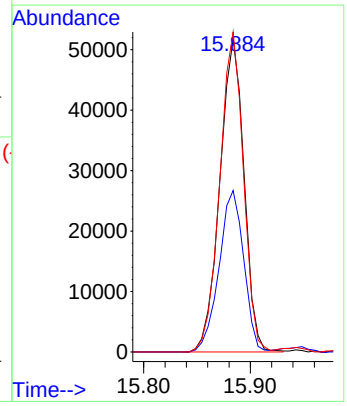


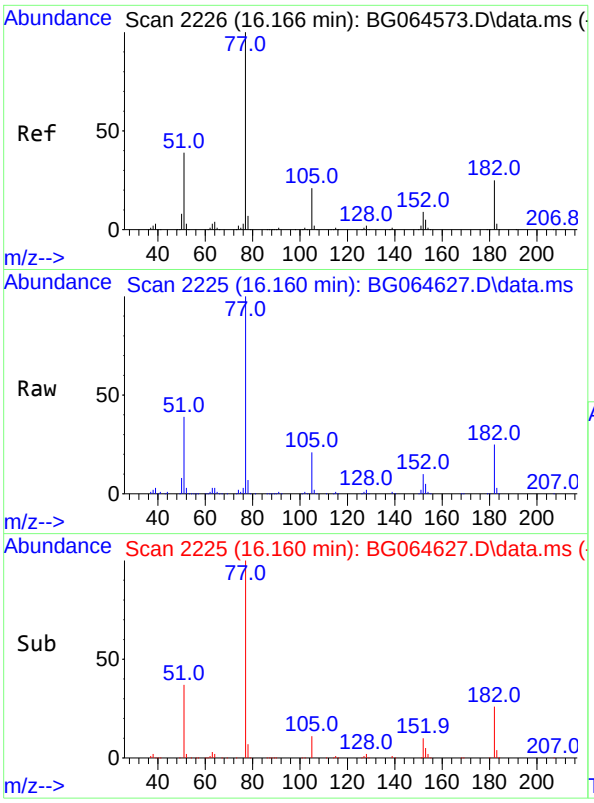


#62
4-Nitroaniline
Concen: 59.481 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:138 Resp: 81463

Ion	Ratio	Lower	Upper
138	100		
92	51.6	36.1	76.1
108	102.3	75.6	115.6



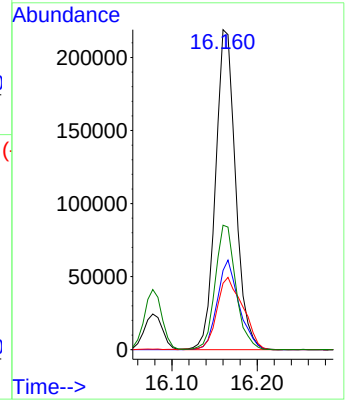


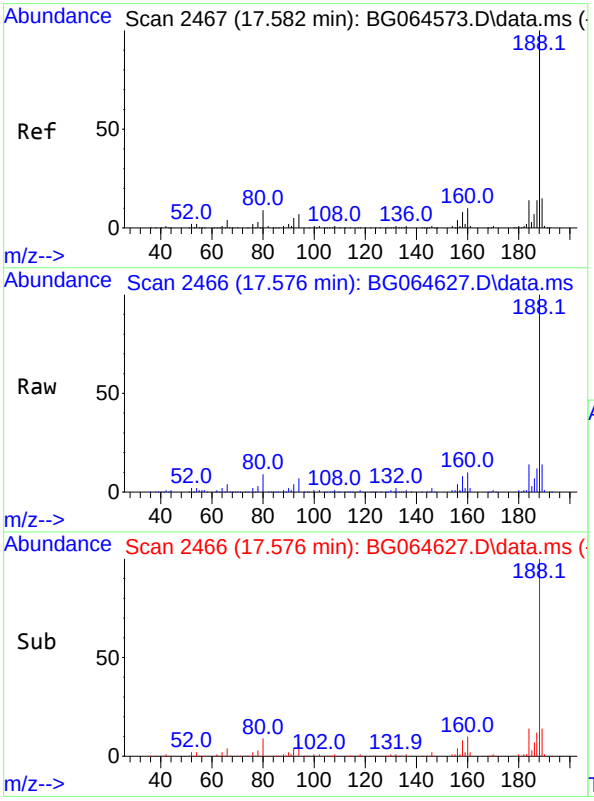
#63
Azobenzene
Concen: 53.492 ng
RT: 16.160 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion: 77 Resp: 358981

Ion	Ratio	Lower	Upper
77	100		
182	24.7	4.9	44.9
105	20.7	1.3	41.3
51	38.9	19.0	59.0

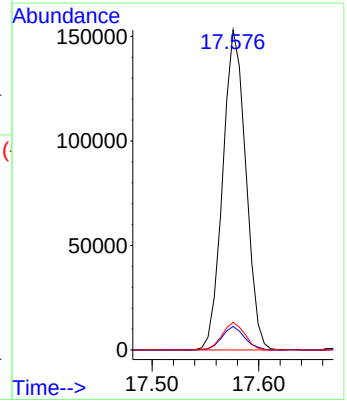


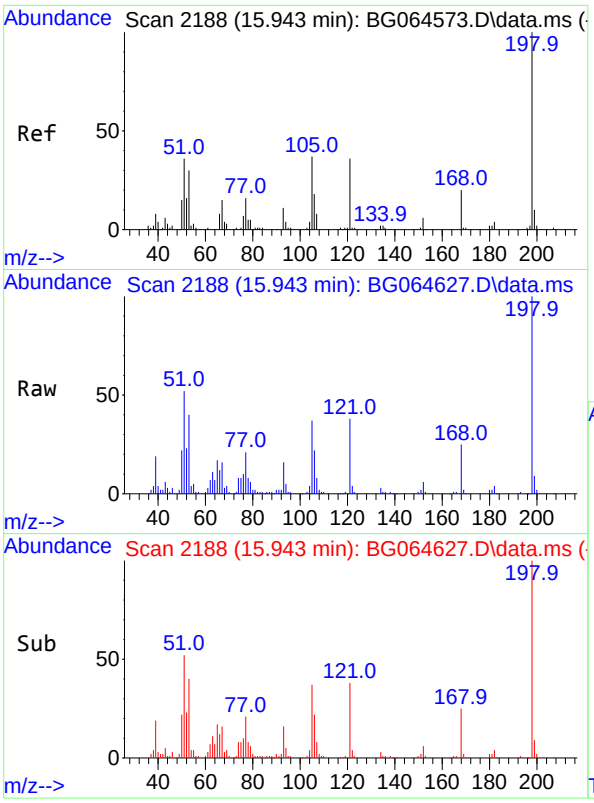


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.576 min Scan# 2466
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:188 Resp: 229619

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.7	8.5
80	8.6	6.8	10.2



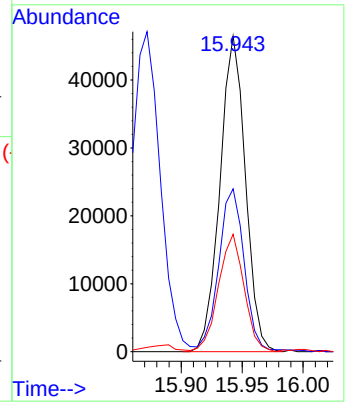


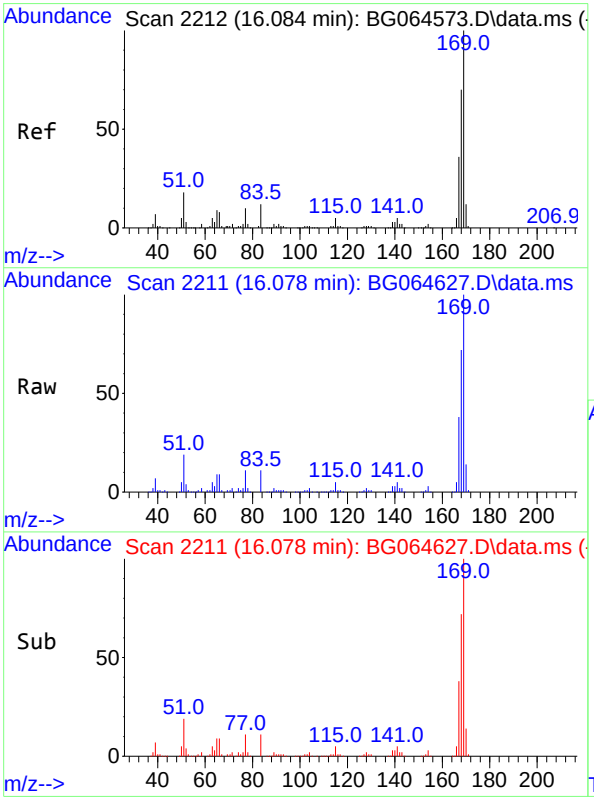
#65
4,6-Dinitro-2-methylphenol
Concen: 64.726 ng
RT: 15.943 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:198 Resp: 67553

Ion	Ratio	Lower	Upper
198	100		
51	51.6	24.7	64.7
105	37.2	18.0	58.0

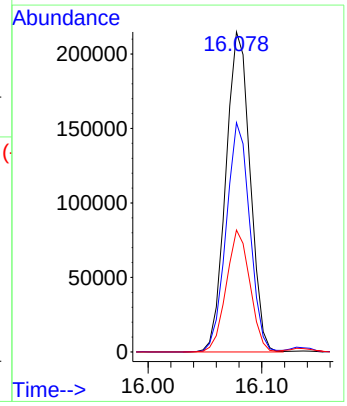


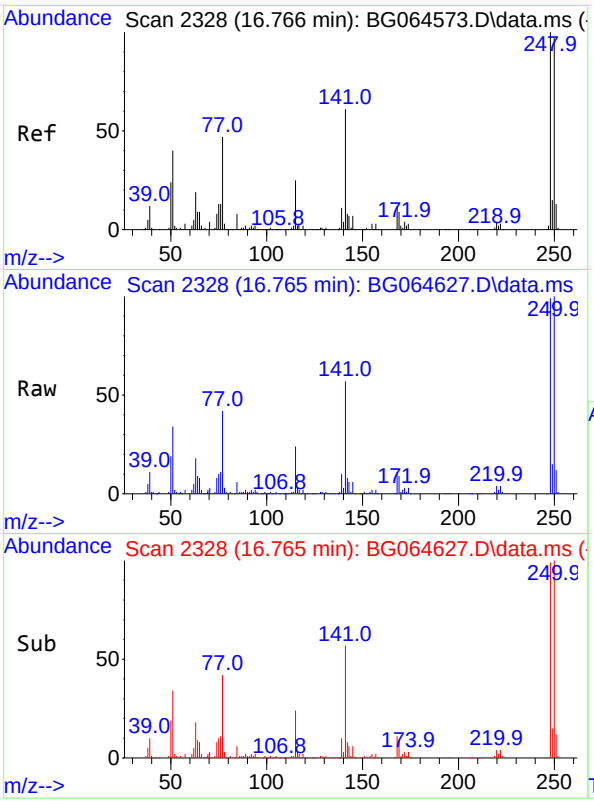


#66
n-Nitrosodiphenylamine
Concen: 51.265 ng
RT: 16.078 min Scan# 2211
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:169 Resp: 317977

Ion	Ratio	Lower	Upper
169	100		
168	71.6	56.3	84.5
167	38.1	29.0	43.6



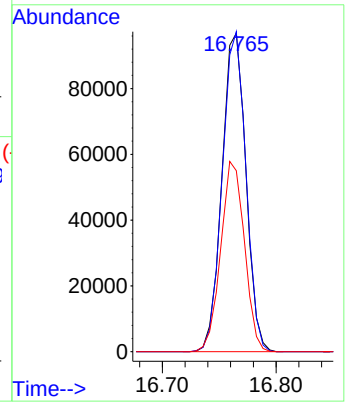


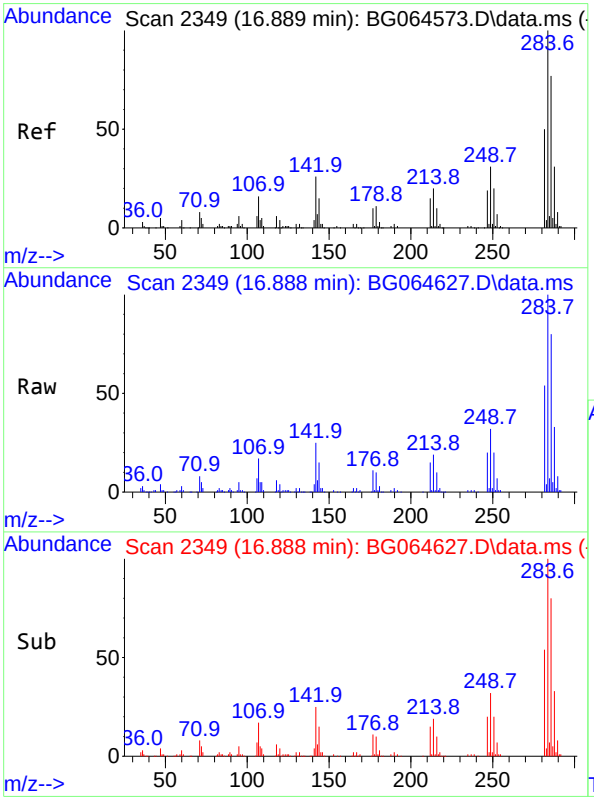
#67
4-Bromophenyl-phenylether
Concen: 52.025 ng
RT: 16.765 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:248 Resp: 141564

Ion	Ratio	Lower	Upper
248	100		
250	100.5	77.7	116.5
141	56.9	48.6	72.8

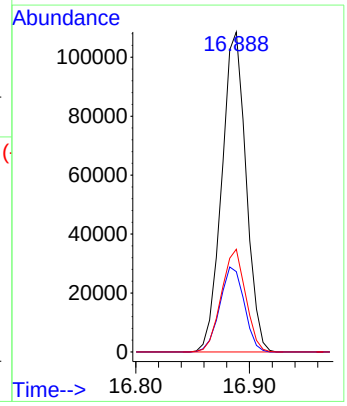


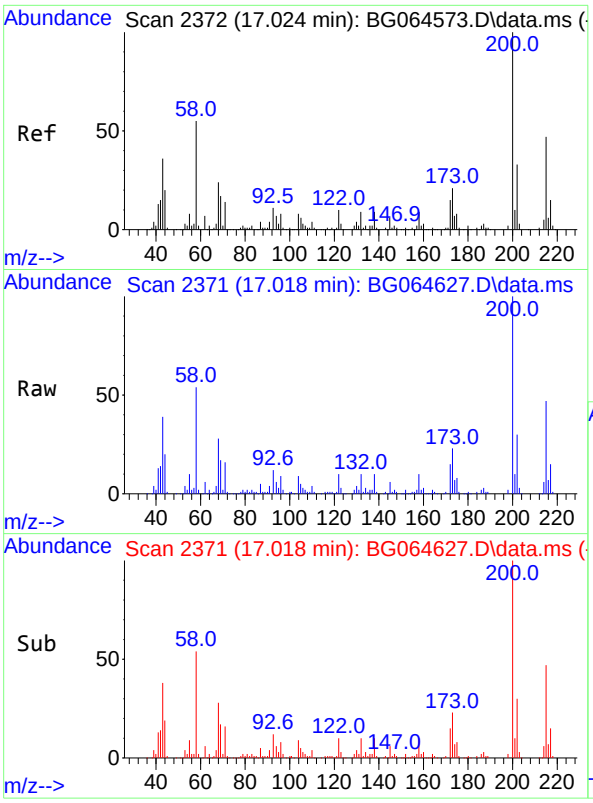


#68
Hexachlorobenzene
Concen: 51.826 ng
RT: 16.888 min Scan# 2349
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:284 Resp: 160884

Ion	Ratio	Lower	Upper
284	100		
142	25.1	21.0	31.6
249	34.2	24.9	37.3



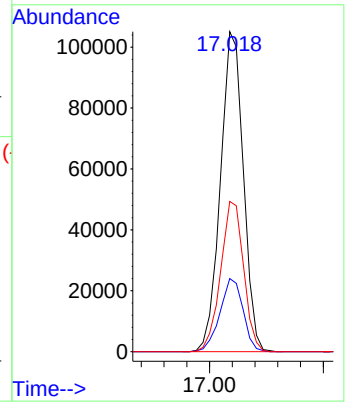


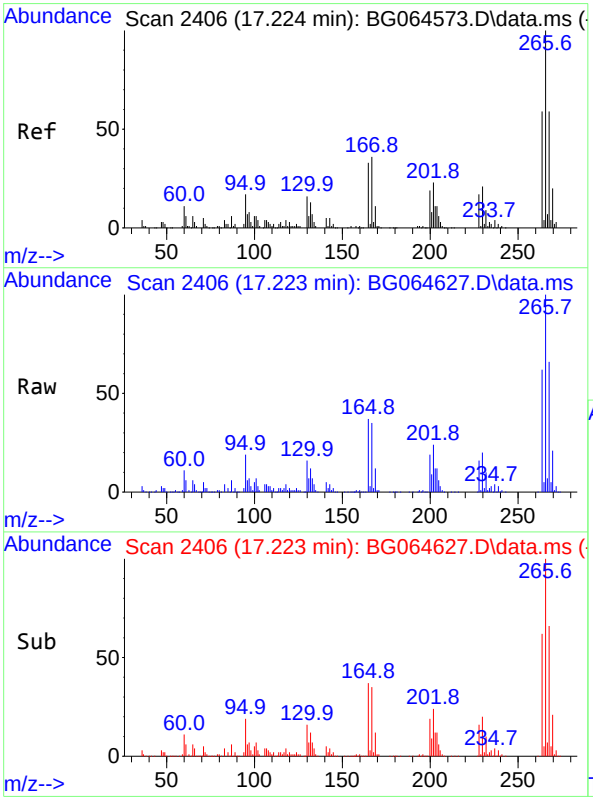
#69
Atrazine
Concen: 55.064 ng
RT: 17.018 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:200 Resp: 146978

Ion	Ratio	Lower	Upper
200	100		
173	22.8	0.9	40.9
215	46.9	27.0	67.0

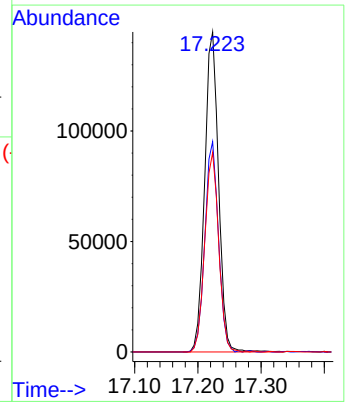


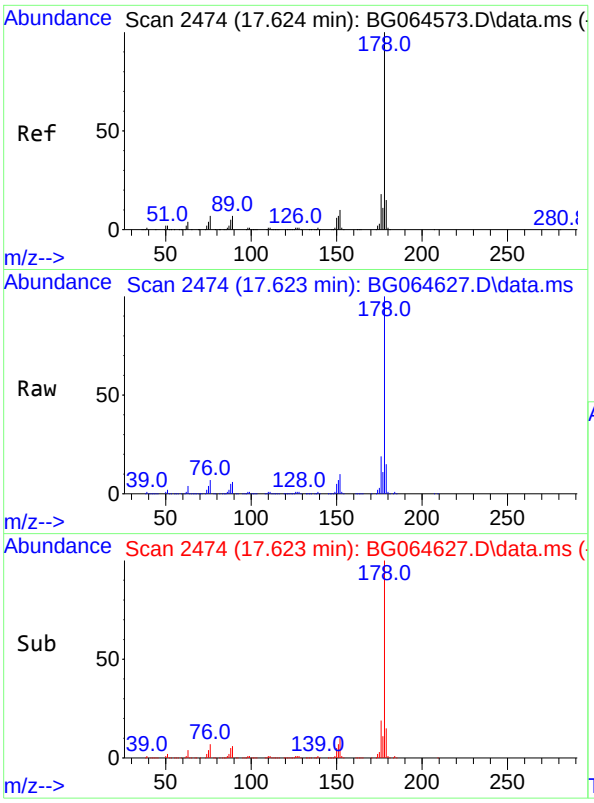


#70
Pentachlorophenol
Concen: 113.709 ng
RT: 17.223 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:266 Resp: 220117

Ion	Ratio	Lower	Upper
266	100		
268	65.7	50.3	75.5
264	62.3	47.3	70.9



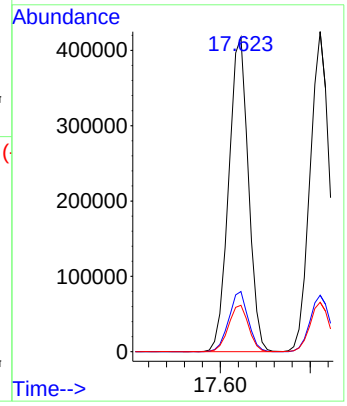


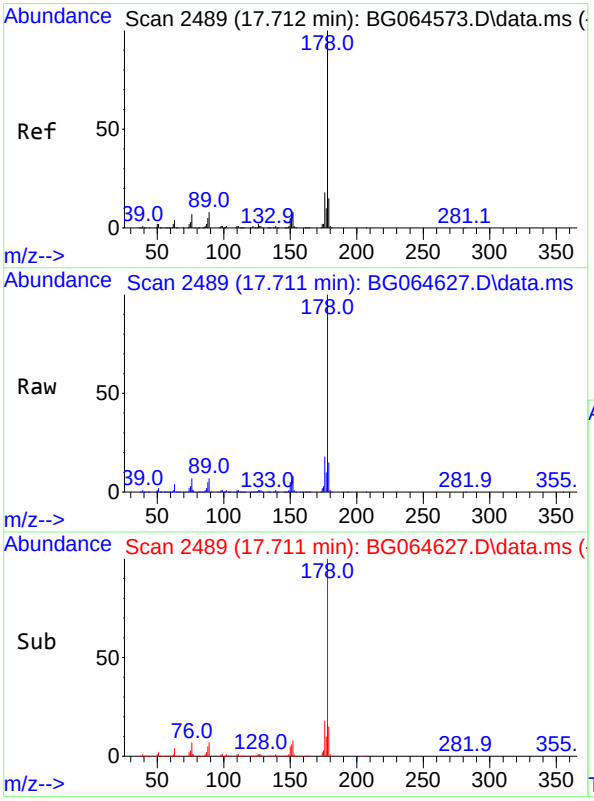
#71
Phenanthrene
Concen: 50.519 ng
RT: 17.623 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:178 Resp: 634368

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.7	22.1
179	14.8	12.2	18.4

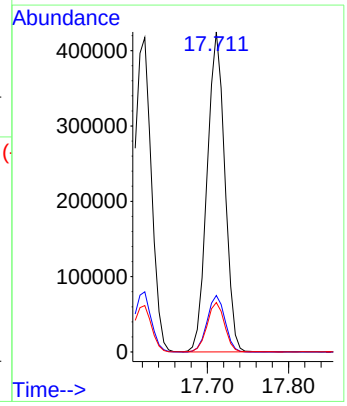


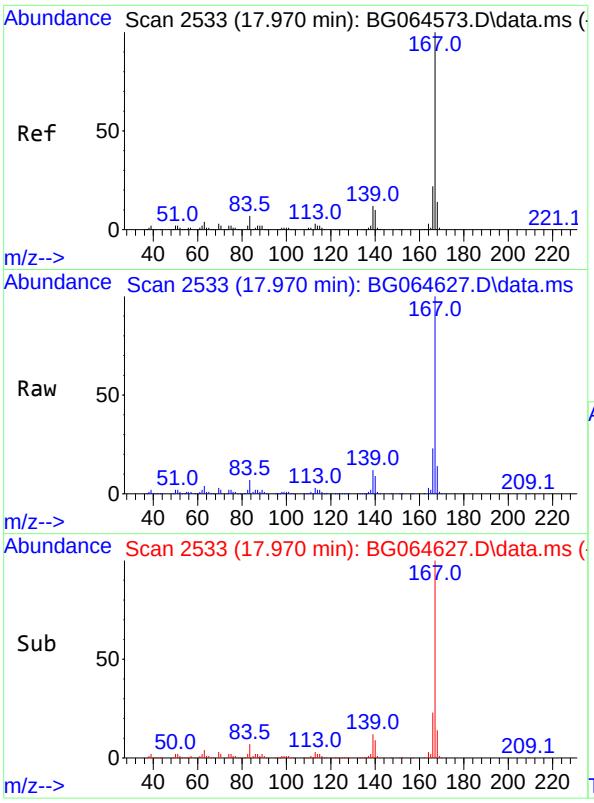


#72
Anthracene
Concen: 50.069 ng
RT: 17.711 min Scan# 2489
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:178 Resp: 639545

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.4	21.6
179	15.4	12.4	18.6



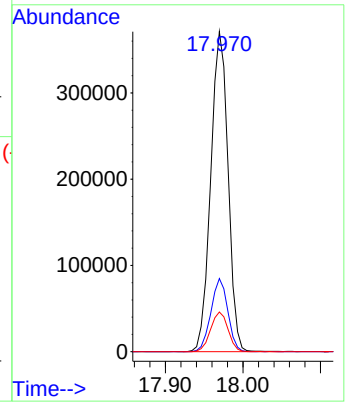


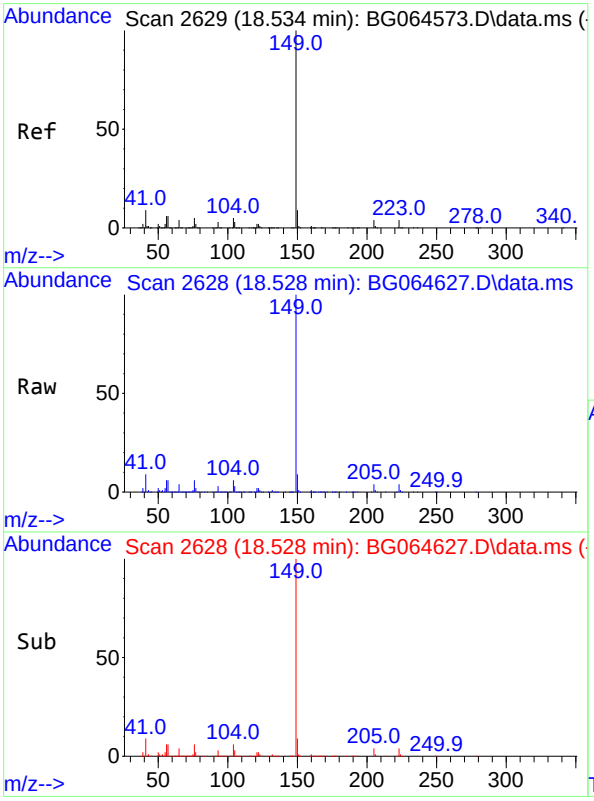
#73
Carbazole
Concen: 51.232 ng
RT: 17.970 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:167 Resp: 577061

Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.9	26.9
139	12.4	9.7	14.5

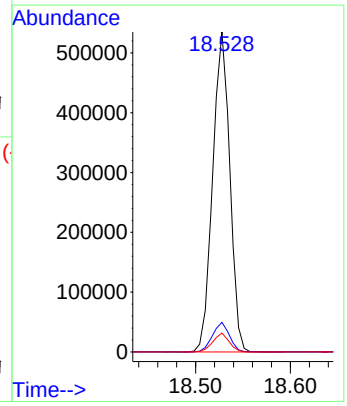


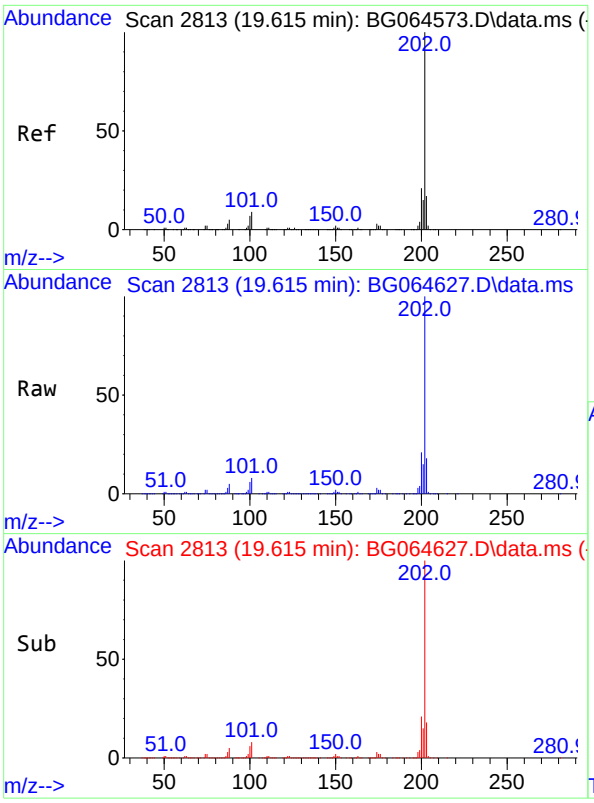


#74
Di-n-butylphthalate
Concen: 51.496 ng
RT: 18.528 min Scan# 2628
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:149 Resp: 670737

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.0	10.6
104	5.9	4.1	6.1



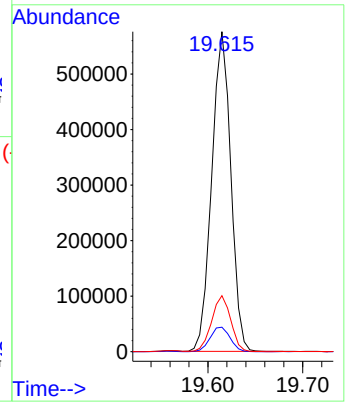


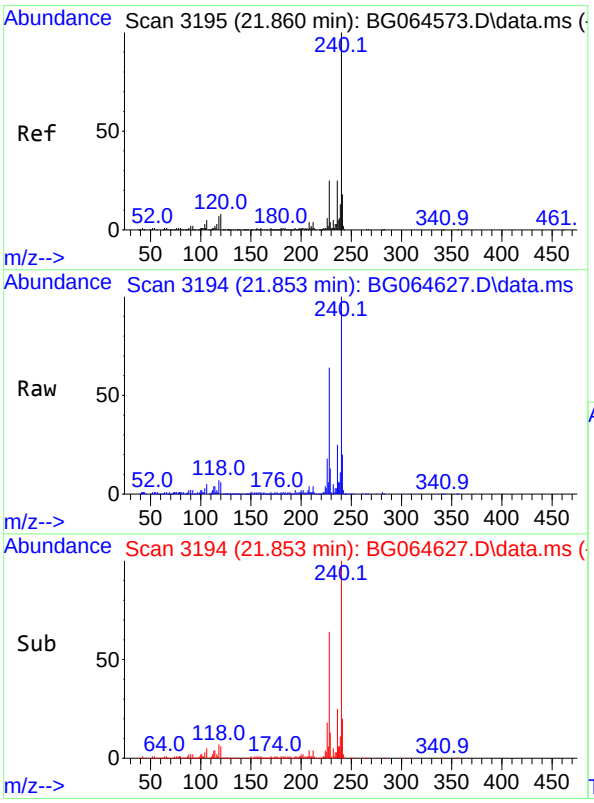
#75
Fluoranthene
Concen: 51.033 ng
RT: 19.615 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:202 Resp: 802773

Ion	Ratio	Lower	Upper
202	100		
101	7.7	0.0	28.7
203	17.5	0.0	37.0

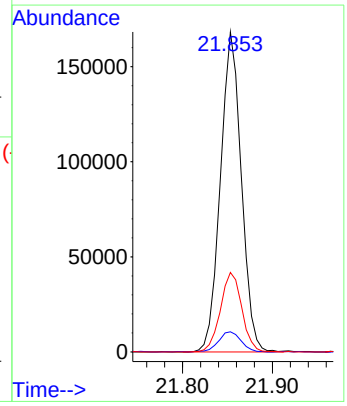


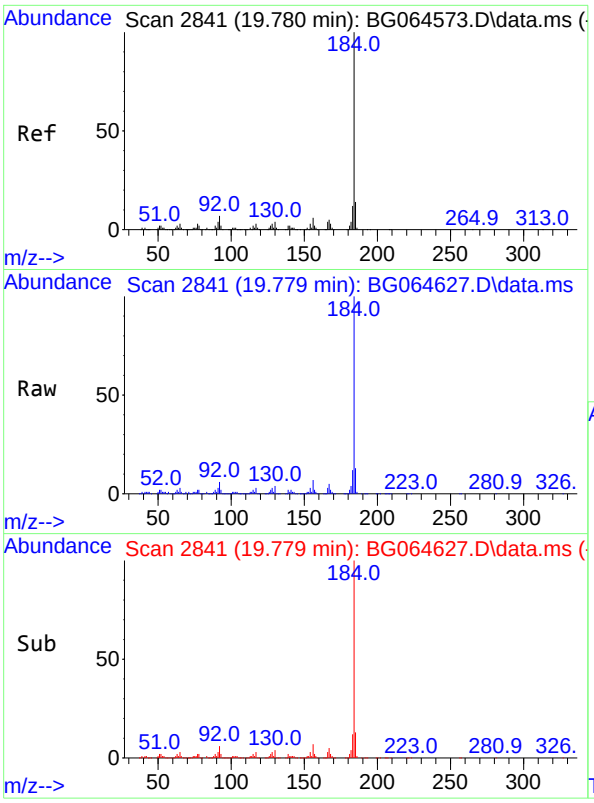


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.853 min Scan# 3194
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:240 Resp: 271892

Ion	Ratio	Lower	Upper
240	100		
120	6.3	6.5	9.7#
236	24.8	20.2	30.2



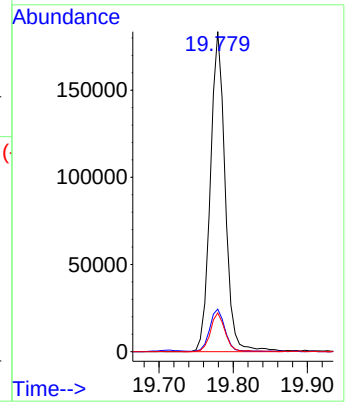


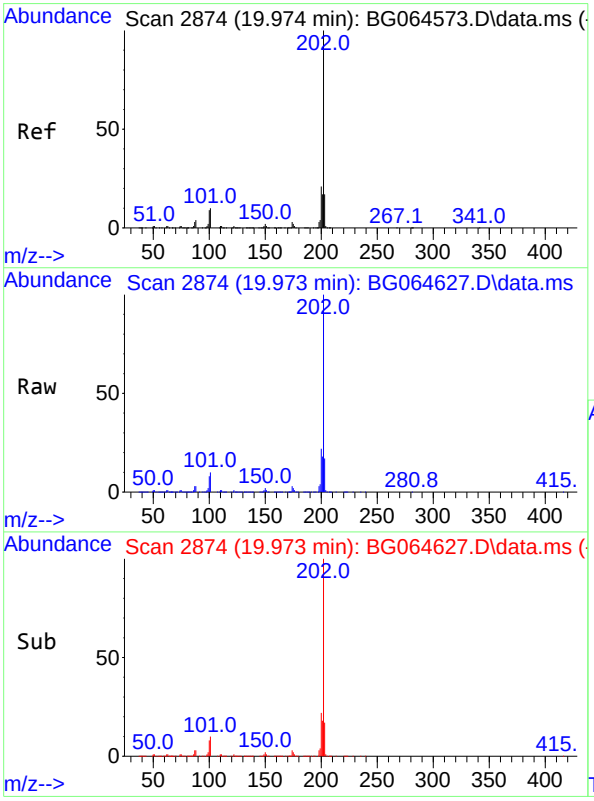
#77
Benzidine
Concen: 41.873 ng
RT: 19.779 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:184 Resp: 255069

Ion	Ratio	Lower	Upper
184	100		
185	13.3	11.4	17.2
183	12.1	9.4	14.2

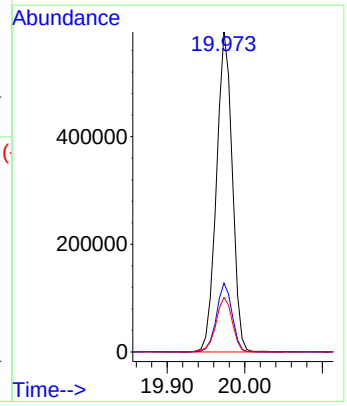


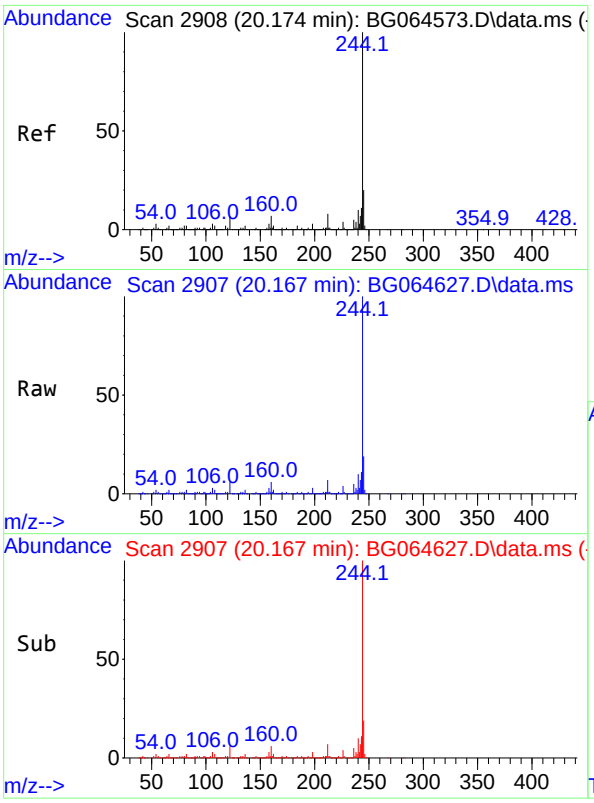


#78
Pyrene
Concen: 47.400 ng
RT: 19.973 min Scan# 2874
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:202 Resp: 842015

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.4
203	17.1	13.8	20.6



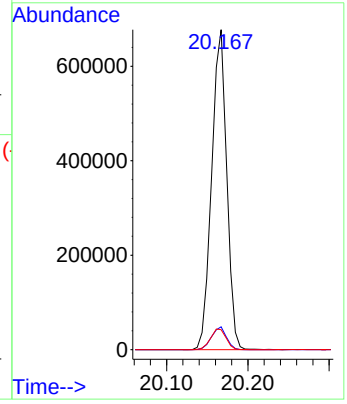


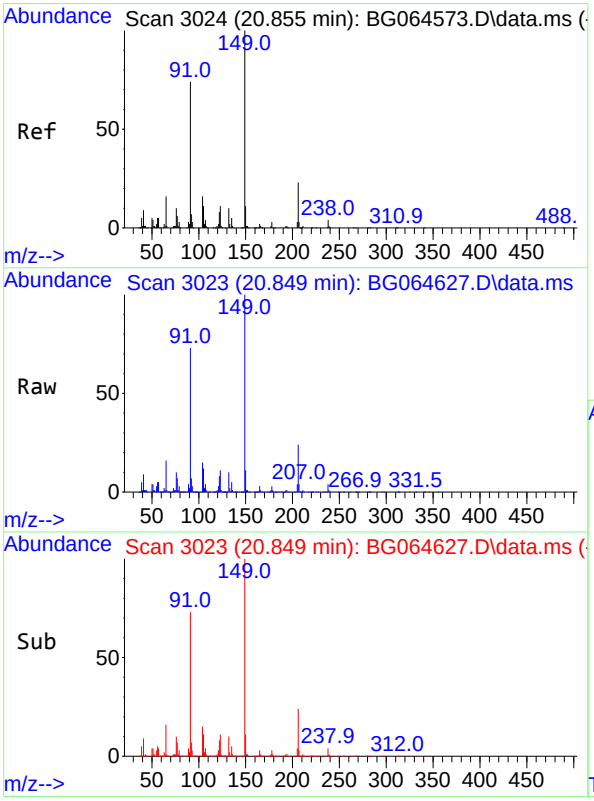
#79
Terphenyl-d14
Concen: 60.445 ng
RT: 20.167 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:244 Resp: 870859

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	6.3	5.6	8.4

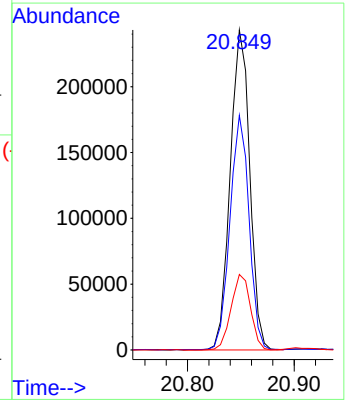


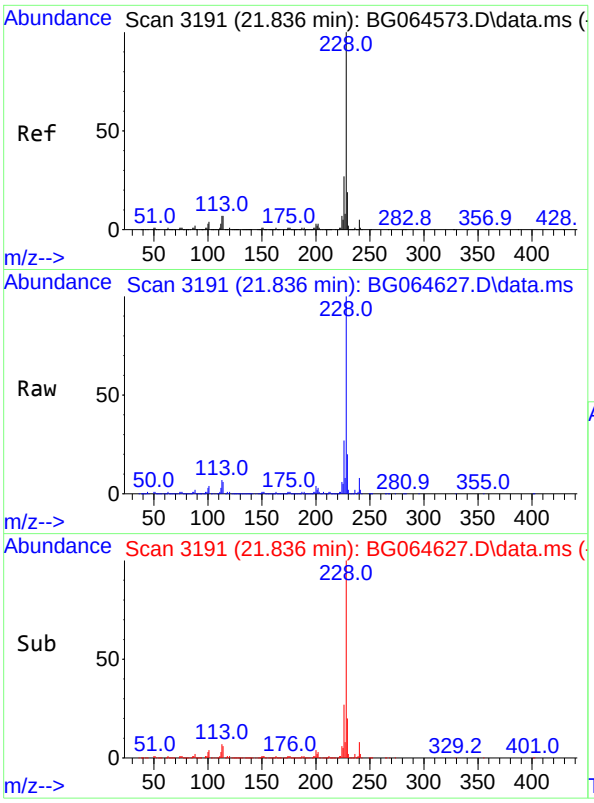


#80
Butylbenzylphthalate
Concen: 57.734 ng
RT: 20.849 min Scan# 3023
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:149 Resp: 309969

Ion	Ratio	Lower	Upper
149	100		
91	73.3	59.2	88.8
206	23.6	18.1	27.1



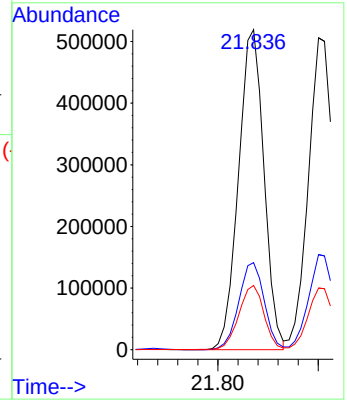


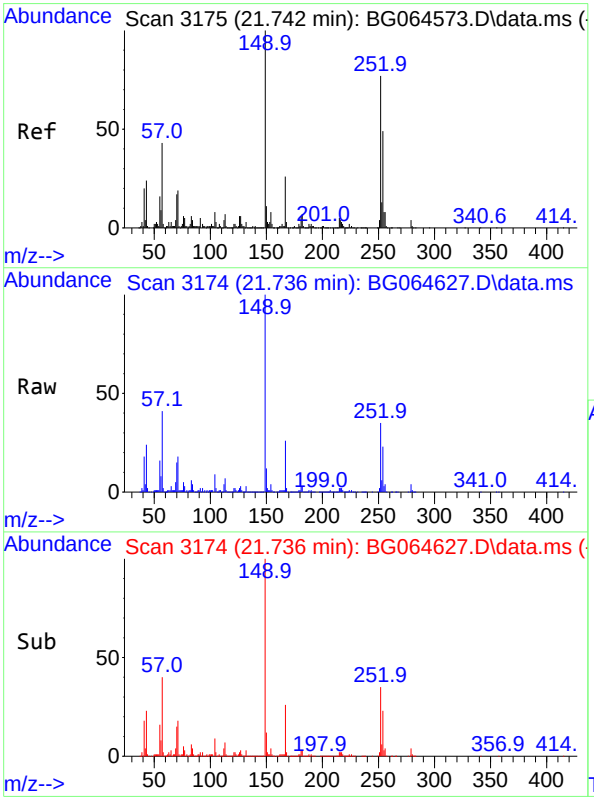
#81
Benzo(a)anthracene
Concen: 50.774 ng
RT: 21.836 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:228 Resp: 915343

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	20.1	15.6	23.4

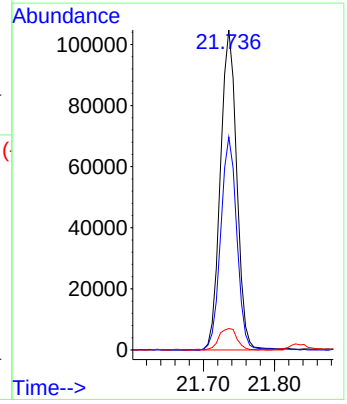


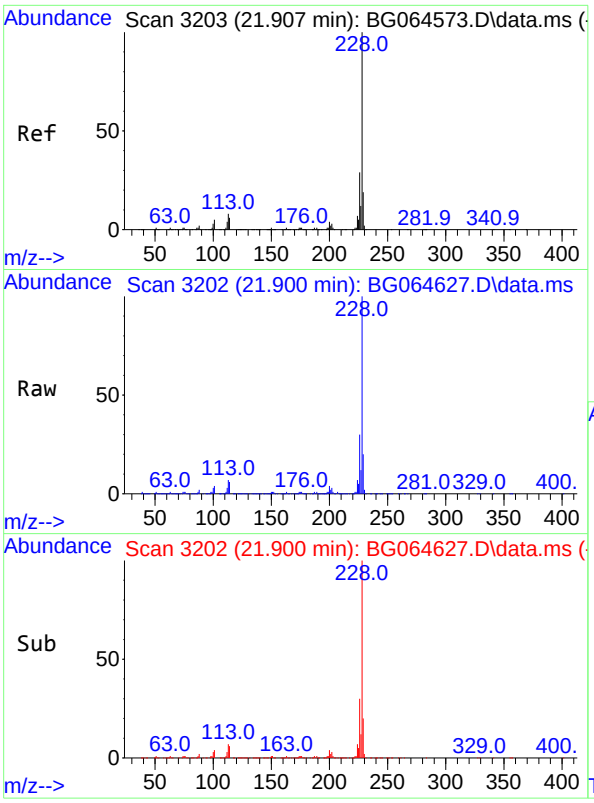


#82
3,3'-Dichlorobenzidine
Concen: 27.720 ng
RT: 21.736 min Scan# 3174
Delta R.T. -0.004 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:252 Resp: 166879

Ion	Ratio	Lower	Upper
252	100		
254	66.5	50.8	76.2
126	6.7	5.8	8.6



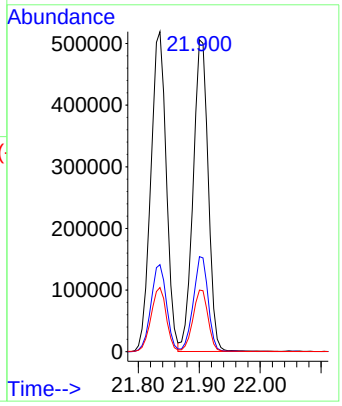


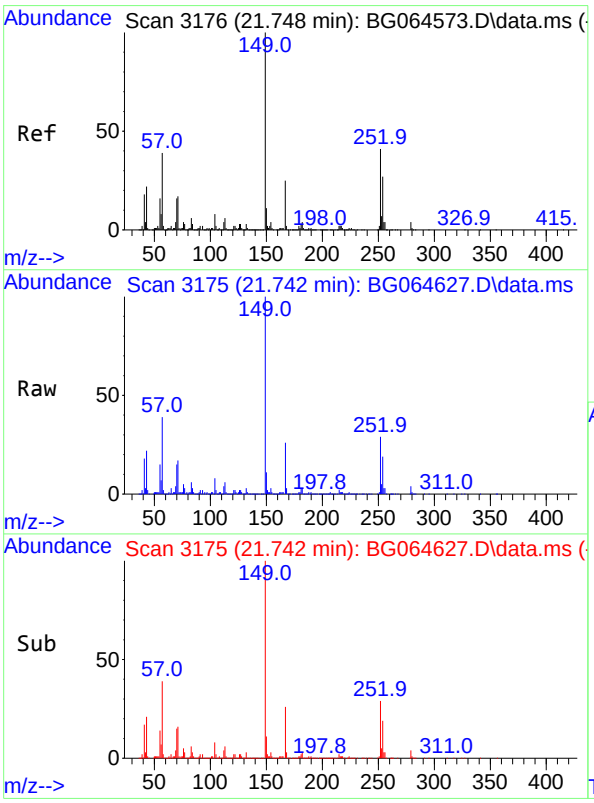
#83
Chrysene
Concen: 50.608 ng
RT: 21.900 min Scan# 3
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:228 Resp: 868130

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.3	34.9
229	19.8	15.2	22.8

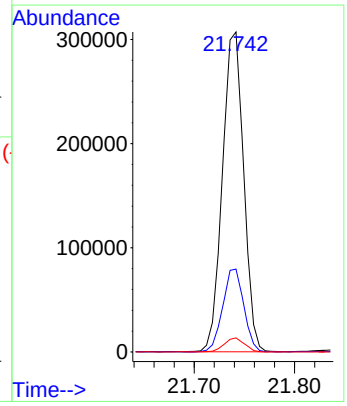


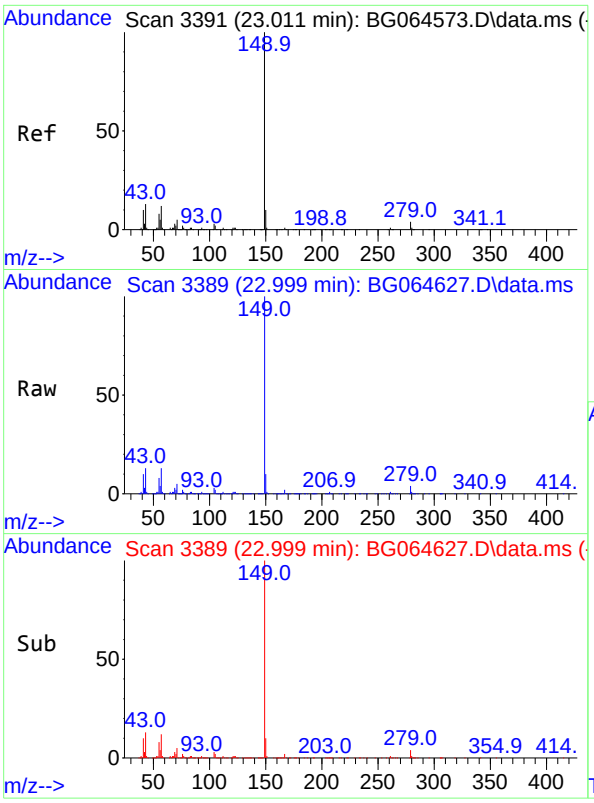


#84
Bis(2-ethylhexyl)phthalate
Concen: 56.183 ng
RT: 21.742 min Scan# 3175
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:149 Resp: 450725

Ion	Ratio	Lower	Upper
149	100		
167	25.9	20.0	30.0
279	4.4	3.1	4.7



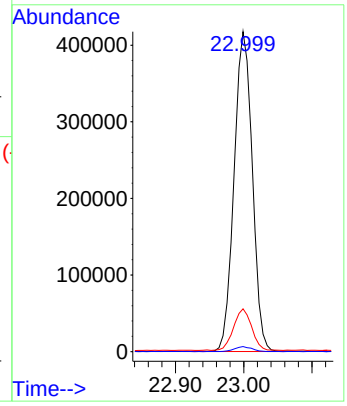


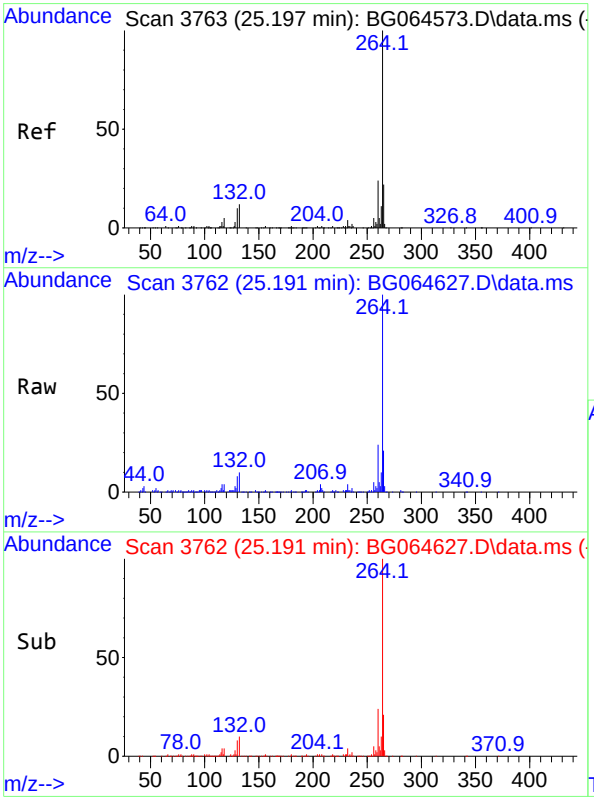
#85
Di-n-octyl phthalate
Concen: 57.277 ng
RT: 22.999 min Scan# 3
Delta R.T. -0.016 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:149 Resp: 774721

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.8	10.8	16.2

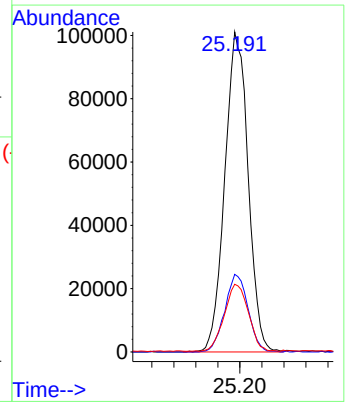


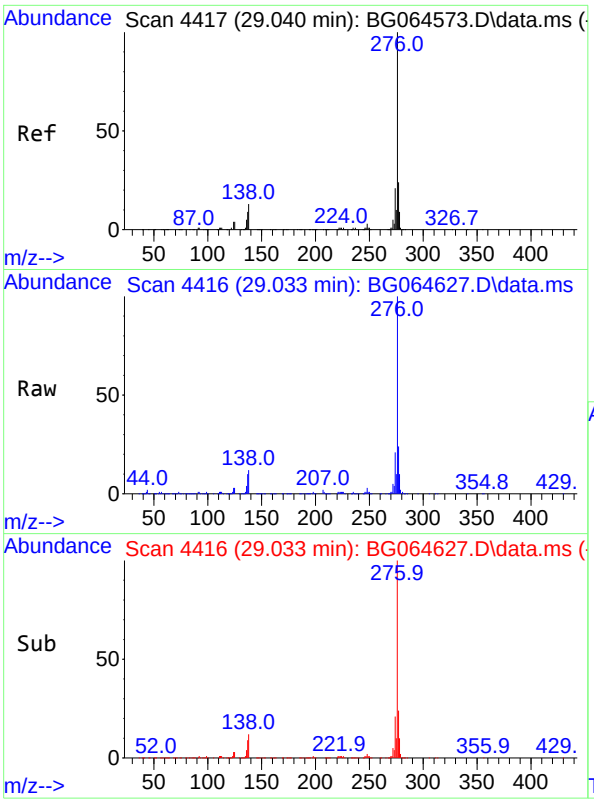


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.191 min Scan# 3762
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:264 Resp: 296767

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.4
265	21.2	17.6	26.4



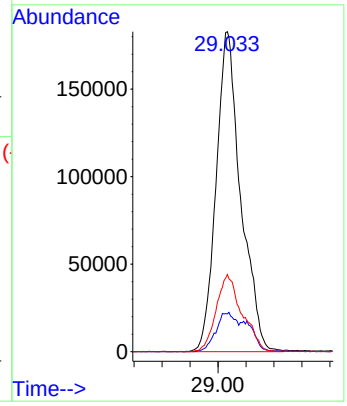


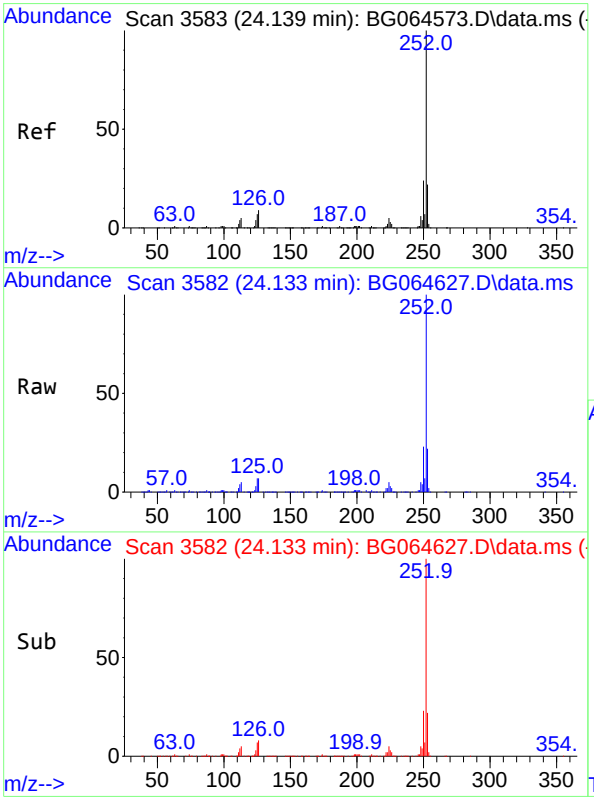
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.200 ng
RT: 29.033 min Scan# 44
Delta R.T. -0.028 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:276 Resp: 1117747

Ion	Ratio	Lower	Upper
276	100		
138	10.1	10.8	16.2#
277	25.3	20.1	30.1

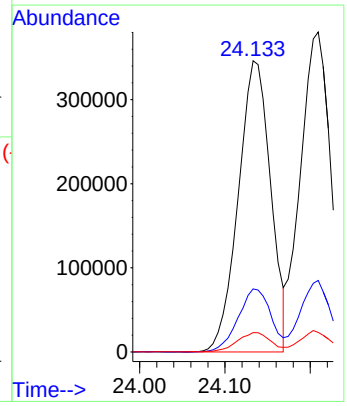


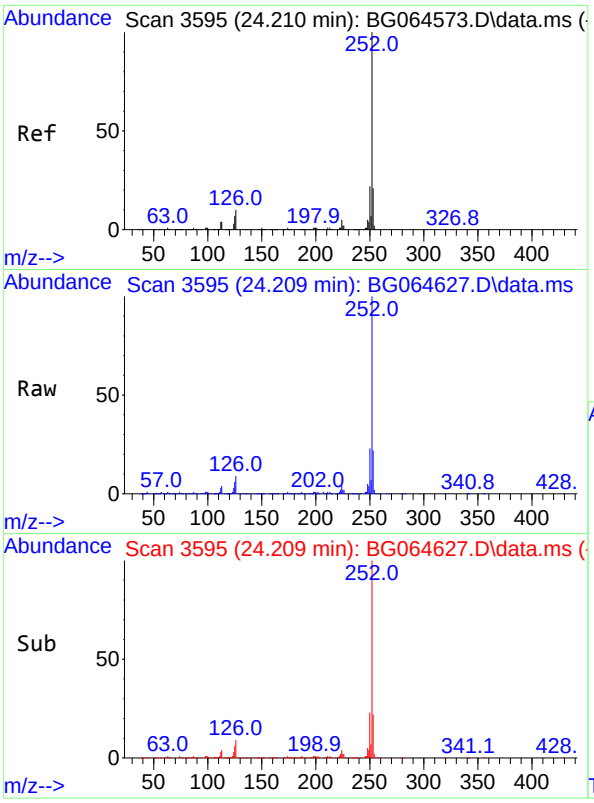


#88
Benzo(b)fluoranthene
Concen: 50.237 ng
RT: 24.133 min Scan# 3582
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:252 Resp: 914206

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	6.6	5.6	8.4



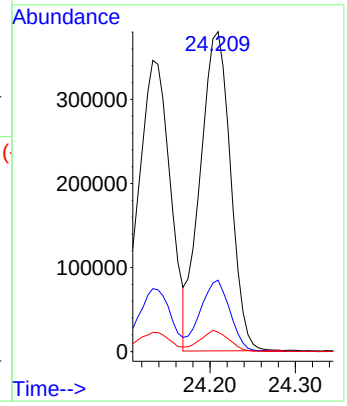


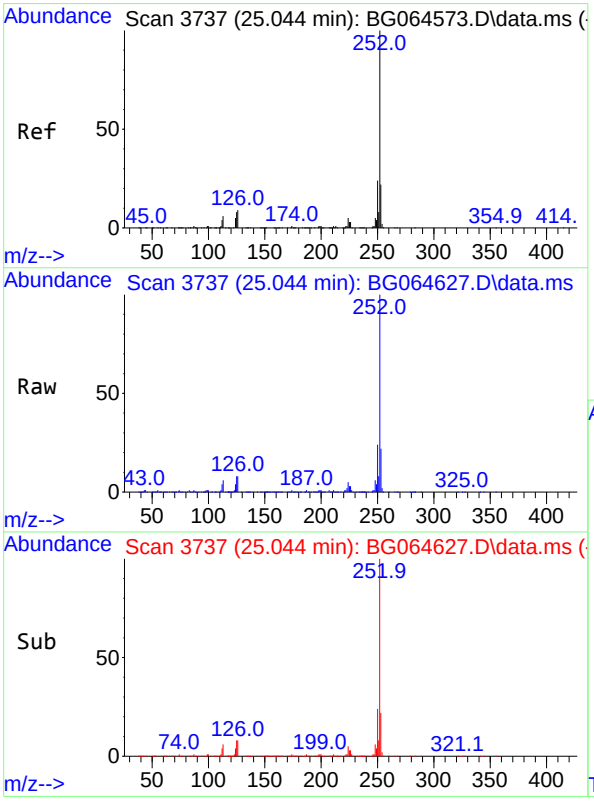
#89
Benzo(k)fluoranthene
Concen: 51.482 ng
RT: 24.209 min Scan# 3
Delta R.T. -0.010 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:252 Resp: 937496

Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.8	25.2
125	6.1	5.4	8.0

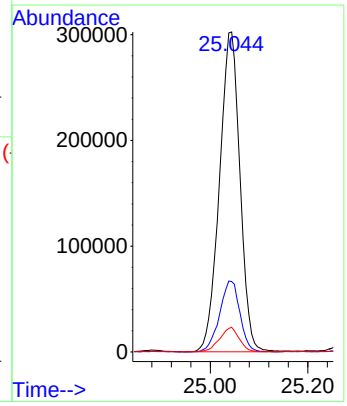


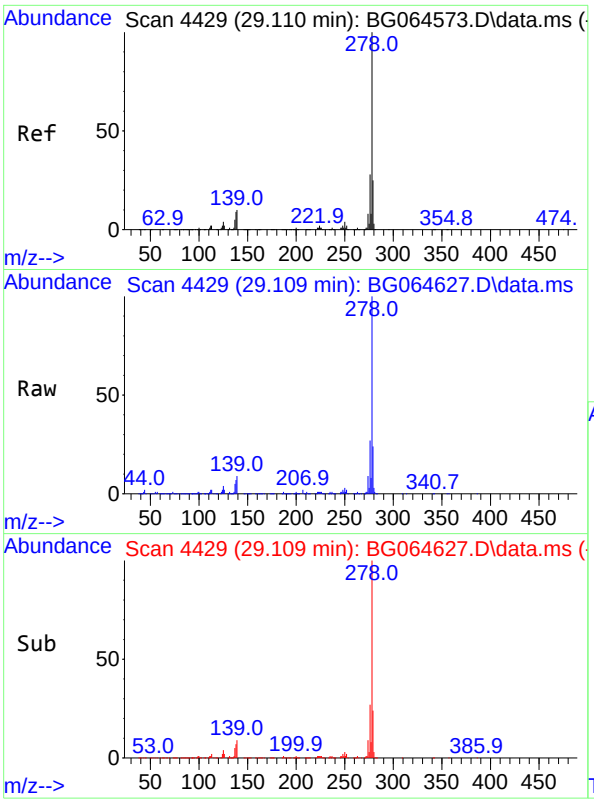


#90
Benzo(a)pyrene
Concen: 52.828 ng
RT: 25.044 min Scan# 3737
Delta R.T. -0.016 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:252 Resp: 883679

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	7.7	6.1	9.1



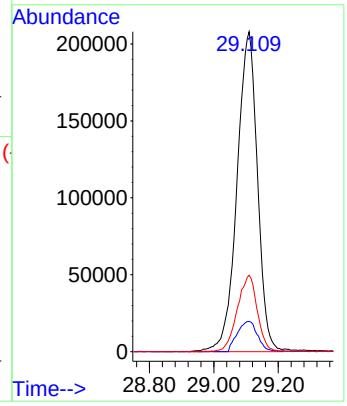


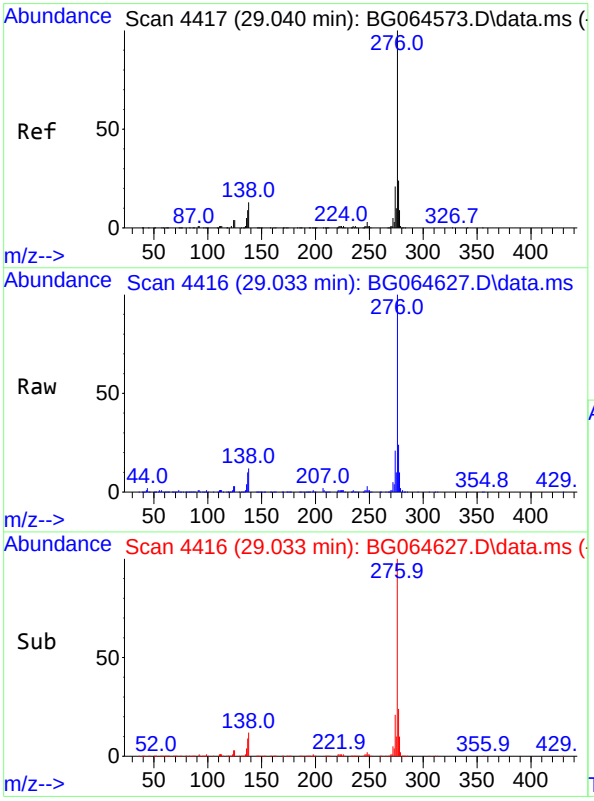
#91
Dibenzo(a,h)anthracene
Concen: 51.696 ng
RT: 29.109 min Scan# 44
Delta R.T. -0.028 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MS

Tgt Ion:278 Resp: 916893

Ion	Ratio	Lower	Upper
278	100		
139	9.4	8.0	12.0
279	23.9	19.8	29.6

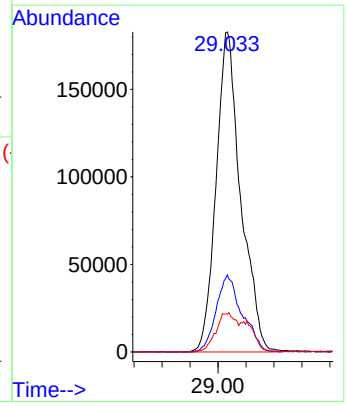




#92
Benzo(g,h,i)perylene
Concen: 51.200 ng
RT: 29.033 min Scan# 4416
Delta R.T. -0.028 min
Lab File: BG064627.D
Acq: 29 Oct 2025 17:34

Tgt Ion:276 Resp: 1117747

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.2	28.8
138	11.8	10.7	16.1



Raw Data: **BG064628.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MSD	SDG No.:	Q3422
Lab Sample ID:	Q3419-03MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	2100		1	290	610	ug/Kg	10/29/25 18:15	PB170215
108-95-2	Phenol	2900		1	40.6	310	ug/Kg	10/29/25 18:15	PB170215
111-44-4	bis(2-Chloroethyl)ether	1900		1	44.6	310	ug/Kg	10/29/25 18:15	PB170215
95-57-8	2-Chlorophenol	3000		1	44.8	310	ug/Kg	10/29/25 18:15	PB170215
95-48-7	2-Methylphenol	2900		1	54.9	310	ug/Kg	10/29/25 18:15	PB170215
108-60-1	2,2-oxybis(1-Chloropropane)	2700		1	68.8	310	ug/Kg	10/29/25 18:15	PB170215
98-86-2	Acetophenone	3100		1	54.1	310	ug/Kg	10/29/25 18:15	PB170215
65794-96-9	3+4-Methylphenols	2900		1	75.4	610	ug/Kg	10/29/25 18:15	PB170215
621-64-7	n-Nitroso-di-n-propylamine	2700		1	87.0	150	ug/Kg	10/29/25 18:15	PB170215
67-72-1	Hexachloroethane	3000		1	32.3	310	ug/Kg	10/29/25 18:15	PB170215
98-95-3	Nitrobenzene	3300		1	33.6	310	ug/Kg	10/29/25 18:15	PB170215
78-59-1	Isophorone	2800		1	60.2	310	ug/Kg	10/29/25 18:15	PB170215
88-75-5	2-Nitrophenol	3800		1	110	310	ug/Kg	10/29/25 18:15	PB170215
105-67-9	2,4-Dimethylphenol	3300		1	120	310	ug/Kg	10/29/25 18:15	PB170215
111-91-1	bis(2-Chloroethoxy)methane	2800		1	56.5	310	ug/Kg	10/29/25 18:15	PB170215
120-83-2	2,4-Dichlorophenol	3300		1	51.9	310	ug/Kg	10/29/25 18:15	PB170215
91-20-3	Naphthalene	2900		1	41.7	310	ug/Kg	10/29/25 18:15	PB170215
106-47-8	4-Chloroaniline	1200		1	65.0	310	ug/Kg	10/29/25 18:15	PB170215
87-68-3	Hexachlorobutadiene	3100		1	46.4	310	ug/Kg	10/29/25 18:15	PB170215
105-60-2	Caprolactam	2800		1	95.6	610	ug/Kg	10/29/25 18:15	PB170215
59-50-7	4-Chloro-3-methylphenol	3100		1	52.7	310	ug/Kg	10/29/25 18:15	PB170215
91-57-6	2-Methylnaphthalene	2700		1	47.0	310	ug/Kg	10/29/25 18:15	PB170215
77-47-4	Hexachlorocyclopentadiene	8900	E	1	210	610	ug/Kg	10/29/25 18:15	PB170215
88-06-2	2,4,6-Trichlorophenol	3500		1	36.3	310	ug/Kg	10/29/25 18:15	PB170215
95-95-4	2,4,5-Trichlorophenol	3400		1	53.4	310	ug/Kg	10/29/25 18:15	PB170215
92-52-4	1,1-Biphenyl	3300		1	40.0	310	ug/Kg	10/29/25 18:15	PB170215
91-58-7	2-Chloronaphthalene	3000		1	41.3	310	ug/Kg	10/29/25 18:15	PB170215
88-74-4	2-Nitroaniline	3300		1	88.3	310	ug/Kg	10/29/25 18:15	PB170215
131-11-3	Dimethylphthalate	2900		1	49.7	310	ug/Kg	10/29/25 18:15	PB170215
208-96-8	Acenaphthylene	3300		1	53.0	310	ug/Kg	10/29/25 18:15	PB170215
606-20-2	2,6-Dinitrotoluene	3600		1	61.7	310	ug/Kg	10/29/25 18:15	PB170215
99-09-2	3-Nitroaniline	2400		1	84.4	310	ug/Kg	10/29/25 18:15	PB170215
83-32-9	Acenaphthene	3400		1	39.1	310	ug/Kg	10/29/25 18:15	PB170215
51-28-5	2,4-Dinitrophenol	7800	E	1	420	610	ug/Kg	10/29/25 18:15	PB170215
100-02-7	4-Nitrophenol	6900	E	1	200	610	ug/Kg	10/29/25 18:15	PB170215
132-64-9	Dibenzofuran	2900		1	41.7	310	ug/Kg	10/29/25 18:15	PB170215
121-14-2	2,4-Dinitrotoluene	3300		1	91.9	310	ug/Kg	10/29/25 18:15	PB170215
84-66-2	Diethylphthalate	2900		1	51.9	310	ug/Kg	10/29/25 18:15	PB170215
7005-72-3	4-Chlorophenyl-phenylether	3000		1	49.0	310	ug/Kg	10/29/25 18:15	PB170215
86-73-7	Fluorene	3000		1	46.4	310	ug/Kg	10/29/25 18:15	PB170215
100-01-6	4-Nitroaniline	3500		1	120	310	ug/Kg	10/29/25 18:15	PB170215
534-52-1	4,6-Dinitro-2-methylphenol	3900		1	190	610	ug/Kg	10/29/25 18:15	PB170215

Raw Data: **BG064628.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MSD	SDG No.:	Q3422
Lab Sample ID:	Q3419-03MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	3100		1	60.4	310	ug/Kg	10/29/25 18:15	PB170215
101-55-3	4-Bromophenyl-phenylether	3000		1	51.0	310	ug/Kg	10/29/25 18:15	PB170215
118-74-1	Hexachlorobenzene	3100		1	46.4	310	ug/Kg	10/29/25 18:15	PB170215
1912-24-9	Atrazine	3300		1	62.4	310	ug/Kg	10/29/25 18:15	PB170215
87-86-5	Pentachlorophenol	6800	E	1	94.1	610	ug/Kg	10/29/25 18:15	PB170215
85-01-8	Phenanthrene	3000		1	38.4	310	ug/Kg	10/29/25 18:15	PB170215
120-12-7	Anthracene	2900		1	61.1	310	ug/Kg	10/29/25 18:15	PB170215
86-74-8	Carbazole	3000		1	57.3	310	ug/Kg	10/29/25 18:15	PB170215
84-74-2	Di-n-butylphthalate	3100		1	87.9	310	ug/Kg	10/29/25 18:15	PB170215
206-44-0	Fluoranthene	3100		1	55.1	310	ug/Kg	10/29/25 18:15	PB170215
129-00-0	Pyrene	2700		1	66.1	310	ug/Kg	10/29/25 18:15	PB170215
85-68-7	Butylbenzylphthalate	3400		1	130	310	ug/Kg	10/29/25 18:15	PB170215
91-94-1	3,3-Dichlorobenzidine	1700		1	67.4	610	ug/Kg	10/29/25 18:15	PB170215
56-55-3	Benzo(a)anthracene	3000		1	42.2	310	ug/Kg	10/29/25 18:15	PB170215
218-01-9	Chrysene	2900		1	36.5	310	ug/Kg	10/29/25 18:15	PB170215
117-81-7	Bis(2-ethylhexyl)phthalate	3400		1	110	310	ug/Kg	10/29/25 18:15	PB170215
117-84-0	Di-n-octyl phthalate	3300		1	160	610	ug/Kg	10/29/25 18:15	PB170215
205-99-2	Benzo(b)fluoranthene	3000		1	34.9	310	ug/Kg	10/29/25 18:15	PB170215
207-08-9	Benzo(k)fluoranthene	3000		1	41.1	310	ug/Kg	10/29/25 18:15	PB170215
50-32-8	Benzo(a)pyrene	3100		1	54.1	310	ug/Kg	10/29/25 18:15	PB170215
193-39-5	Indeno(1,2,3-cd)pyrene	3000		1	53.4	310	ug/Kg	10/29/25 18:15	PB170215
53-70-3	Dibenzo(a,h)anthracene	3000		1	50.3	310	ug/Kg	10/29/25 18:15	PB170215
191-24-2	Benzo(g,h,i)perylene	3000		1	47.2	310	ug/Kg	10/29/25 18:15	PB170215
95-94-3	1,2,4,5-Tetrachlorobenzene	3400		1	47.0	310	ug/Kg	10/29/25 18:15	PB170215
123-91-1	1,4-Dioxane	2300		1	83.0	310	ug/Kg	10/29/25 18:15	PB170215
58-90-2	2,3,4,6-Tetrachlorophenol	3600		1	50.3	310	ug/Kg	10/29/25 18:15	PB170215
SURROGATES									
367-12-4	2-Fluorophenol	92.9			18 - 112	62%	SPK: 150		
13127-88-3	Phenol-d6	92.6			15 - 107	62%	SPK: 150		
4165-60-0	Nitrobenzene-d5	74.9			18 - 107	75%	SPK: 100		
321-60-8	2-Fluorobiphenyl	58.4			20 - 109	58%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	118			10 - 116	79%	SPK: 150		
1718-51-0	Terphenyl-d14	57.1			10 - 105	57%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	31800							
1146-65-2	Naphthalene-d8	125000							
15067-26-2	Acenaphthene-d10	95000							
1517-22-2	Phenanthrene-d10	231000							
1719-03-5	Chrysene-d12	282000							
1520-96-3	Perylene-d12	309000							

Raw Data: **BG064628.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	10/21/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/21/25
Client Sample ID:	PR-132-S16-015094-20251021MSD	SDG No.:	Q3422
Lab Sample ID:	Q3419-03MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	54.4
Sample Wt/Vol:	30.05 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/23/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID

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_G\Data\BG102925\
Data File : BG064628.D
Acq On : 29 Oct 2025 18:15
Operator : RC/JU
Sample : Q3419-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Quant Time: Oct 30 04:57:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.214	152	31803	20.000	ng		0.00
21) Naphthalene-d8	11.040	136	124534	20.000	ng		-0.01
39) Acenaphthene-d10	14.842	164	94989	20.000	ng		0.00
64) Phenanthrene-d10	17.580	188	230638	20.000	ng		0.00
76) Chrysene-d12	21.851	240	282250	20.000	ng		-0.01
86) Perylene-d12	25.189	264	308600	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.747	112	176100	92.942	ng		0.00
7) Phenol-d6	7.351	99	240854	92.637	ng		0.00
23) Nitrobenzene-d5	9.378	82	155218	74.861	ng		-0.01
42) 2,4,6-Tribromophenol	16.317	330	162190	118.302	ng		0.00
45) 2-Fluorobiphenyl	13.467	172	366213	58.437	ng		-0.01
79) Terphenyl-d14	20.165	244	853453	57.063	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.579	88	31292	37.303	ng		94
3) Pyridine	3.990	79	91183	36.197	ng		99
4) n-Nitrosodimethylamine	3.896	42	64553	47.785	ng		95
6) Aniline	7.527	93	107880	30.493	ng		98
8) 2-Chlorophenol	7.774	128	98657	49.746	ng		100
9) Benzaldehyde	7.339	77	47639	33.562	ng		94
10) Phenol	7.380	94	134929	46.926	ng		97
11) bis(2-Chloroethyl)ether	7.527	93	107880	30.493	ng		98
12) 1,3-Dichlorobenzene	8.109	146	105133	46.058	ng		95
13) 1,4-Dichlorobenzene	8.250	146	106063	45.698	ng		95
14) 1,2-Dichlorobenzene	8.573	146	107759	48.136	ng		98
15) Benzyl Alcohol	8.444	79	100962	47.091	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.743	45	240700	43.406	ng		99
17) 2-Methylphenol	8.444	107	50526	47.146	ng		88
18) Hexachloroethane	9.319	117	40307	49.488	ng		96
19) n-Nitroso-di-n-propyla...	9.019	70	80697	44.910	ng		98
20) 3+4-Methylphenols	8.972	107	125897	46.893	ng		98
22) Acetophenone	9.037	105	172795	50.758	ng	#	96
24) Nitrobenzene	9.425	77	122938	54.514	ng		99
25) Isophorone	9.954	82	230244	46.278	ng		100
26) 2-Nitrophenol	10.142	139	54798	62.001	ng	#	90
27) 2,4-Dimethylphenol	10.194	122	102164	54.121	ng		95
28) bis(2-Chloroethoxy)met...	10.429	93	131967	46.587	ng		99
29) 2,4-Dichlorophenol	10.676	162	105842	53.143	ng		99
30) 1,2,4-Trichlorobenzene	10.899	180	119635	52.868	ng		97
31) Naphthalene	11.093	128	325077	47.081	ng		99
32) Benzoic acid	10.318	122	89736	63.358	ng		92
33) 4-Chloroaniline	11.187	127	54442	20.286	ng		96
34) Hexachlorobutadiene	11.387	225	89857	50.775	ng		98
35) Caprolactam	11.945	113	35513m	46.490	ng		
36) 4-Chloro-3-methylphenol	12.292	107	122597	51.210	ng		98
37) 2-Methylnaphthalene	12.686	142	219604	43.321	ng		98
38) 1-Methylnaphthalene	12.903	142	228542	45.818	ng		96
40) 1,2,4,5-Tetrachloroben...	13.050	216	178313	55.934	ng		99
41) Hexachlorocyclopentadiene	13.032	237	208614	145.386	ng		98
43) 2,4,6-Trichlorophenol	13.279	196	103636	56.833	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064628.D
Acq On : 29 Oct 2025 18:15
Operator : RC/JU
Sample : Q3419-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Quant Time: Oct 30 04:57:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

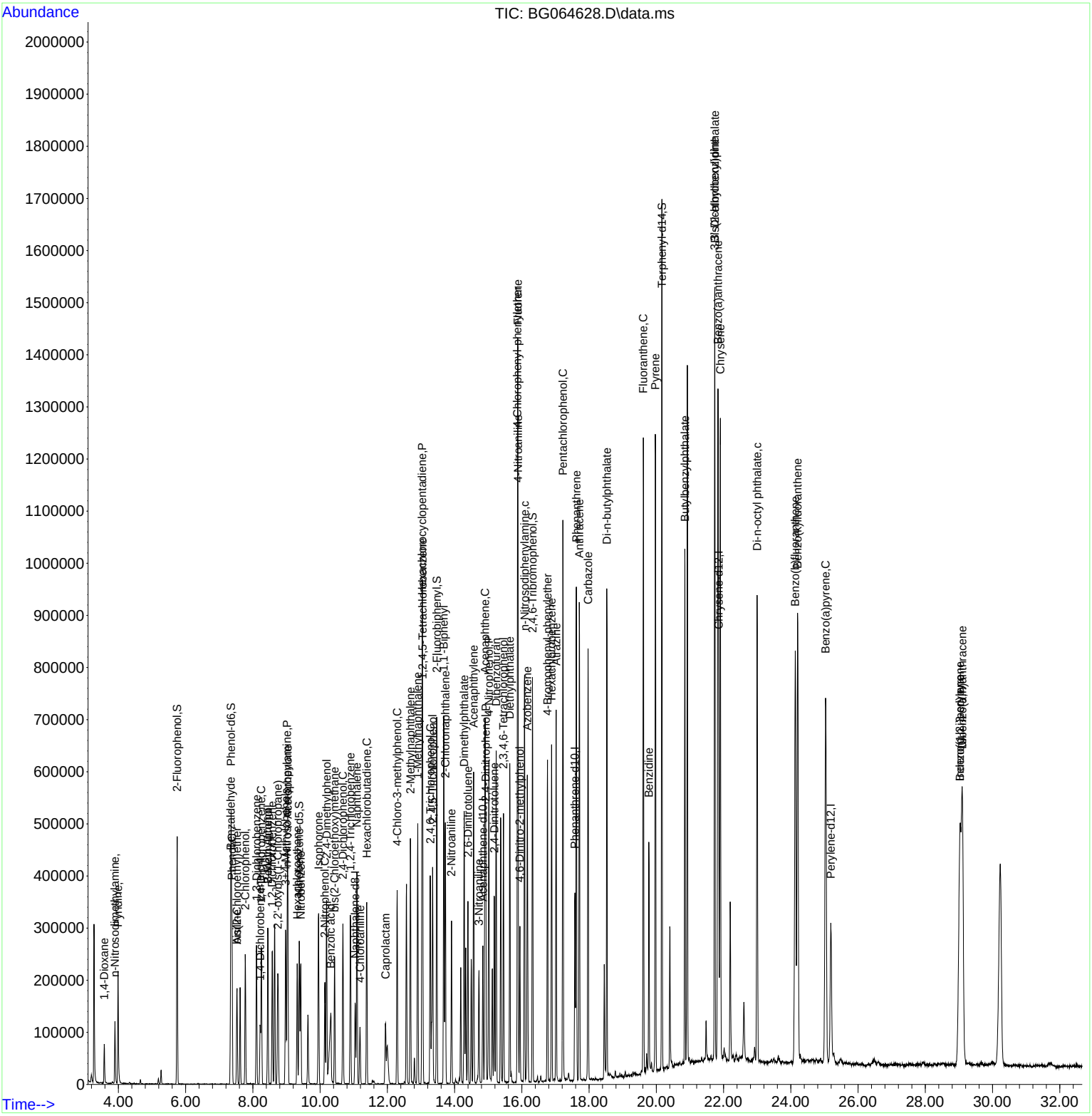
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.344	196	115660	54.963	ng		96
46) 1,1'-Biphenyl	13.679	154	365386	54.107	ng		97
47) 2-Chloronaphthalene	13.726	162	249530	48.952	ng		98
48) 2-Nitroaniline	13.908	65	93564	54.228	ng		94
49) Acenaphthylene	14.566	152	439745	54.693	ng		99
50) Dimethylphthalate	14.284	163	347153	47.761	ng		99
51) 2,6-Dinitrotoluene	14.395	165	70596	58.141	ng		99
52) Acenaphthene	14.907	154	301997	54.976	ng		98
53) 3-Nitroaniline	14.724	138	48285	38.655	ng		96
54) 2,4-Dinitrophenol	14.930	184	96369	127.399	ng	#	39
55) Dibenzofuran	15.236	168	423783	47.718	ng		97
56) 4-Nitrophenol	15.018	139	131383	113.444	ng		91
57) 2,4-Dinitrotoluene	15.183	165	102203	54.664	ng	#	97
58) Fluorene	15.882	166	334548	48.236	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.453	232	117236	58.261	ng		99
60) Diethylphthalate	15.641	149	350180	47.184	ng		99
61) 4-Chlorophenyl-phenyle...	15.870	204	189500	48.686	ng		98
62) 4-Nitroaniline	15.888	138	78479	56.473	ng		95
63) Azobenzene	16.164	77	349461	51.319	ng		99
65) 4,6-Dinitro-2-methylph...	15.941	198	67333	64.272	ng		91
66) n-Nitrosodiphenylamine	16.082	169	311250	49.959	ng		98
67) 4-Bromophenyl-phenylether	16.763	248	136215	49.838	ng		98
68) Hexachlorobenzene	16.887	284	156412	50.163	ng		99
69) Atrazine	17.022	200	143329	53.460	ng		97
70) Pentachlorophenol	17.221	266	215900	111.038	ng		96
71) Phenanthrene	17.621	178	614558	48.725	ng		99
72) Anthracene	17.709	178	618291	48.191	ng		100
73) Carbazole	17.968	167	555268	49.079	ng		99
74) Di-n-butylphthalate	18.526	149	660445	50.481	ng		99
75) Fluoranthene	19.613	202	798695	50.549	ng		98
77) Benzidine	19.777	184	266267	42.107	ng		99
78) Pyrene	19.971	202	826087	44.797	ng		99
80) Butylbenzylphthalate	20.852	149	307248	55.127	ng		95
81) Benzo(a)anthracene	21.834	228	915839	48.937	ng		99
82) 3,3'-Dichlorobenzidine	21.734	252	172028	27.527	ng		99
83) Chrysene	21.904	228	856872	48.119	ng		98
84) Bis(2-ethylhexyl)phtha...	21.740	149	456370	54.799	ng		99
85) Di-n-octyl phthalate	22.997	149	762527	54.307	ng		99
87) Indeno(1,2,3-cd)pyrene	29.031	276	1124787	49.546	ng	#	97
88) Benzo(b)fluoranthene	24.131	252	922791	48.765	ng		99
89) Benzo(k)fluoranthene	24.202	252	941575	49.723	ng		98
90) Benzo(a)pyrene	25.036	252	881844	50.697	ng		99
91) Dibenzo(a,h)anthracene	29.102	278	919177	49.838	ng		97
92) Benzo(g,h,i)perylene	29.031	276	1124787	49.546	ng		98

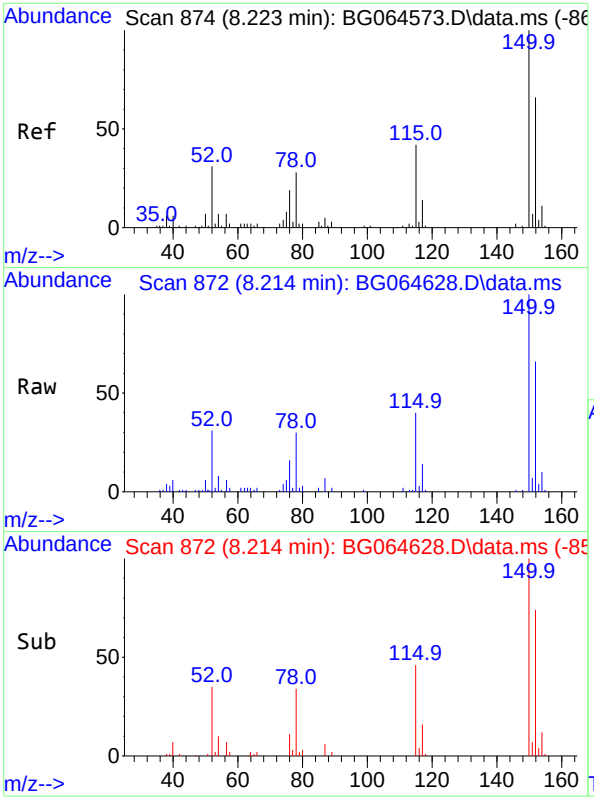
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064628.D
Acq On : 29 Oct 2025 18:15
Operator : RC/JU
Sample : Q3419-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Quant Time: Oct 30 04:57:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



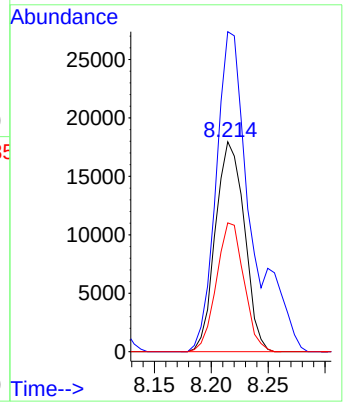


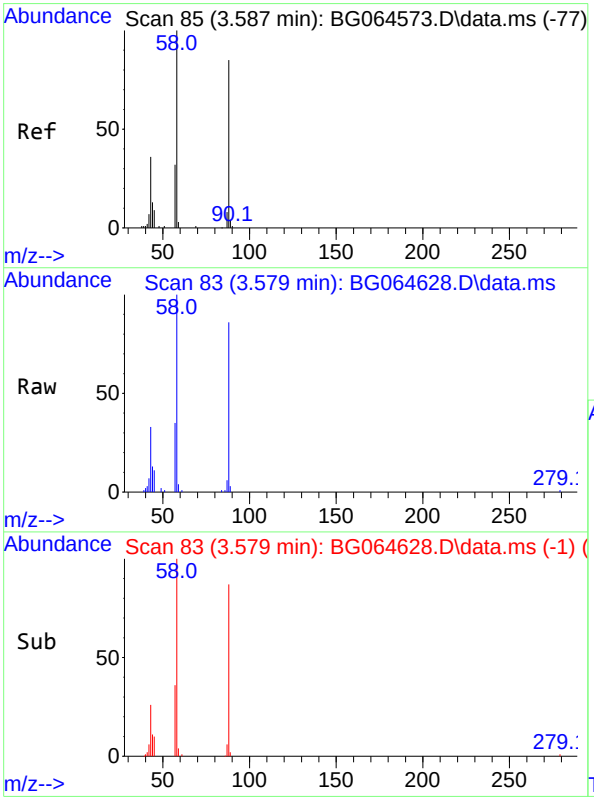
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.214 min Scan# 8
Delta R.T. -0.007 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:152 Resp: 31803

Ion	Ratio	Lower	Upper
152	100		
150	152.5	122.2	183.4
115	61.4	50.8	76.2

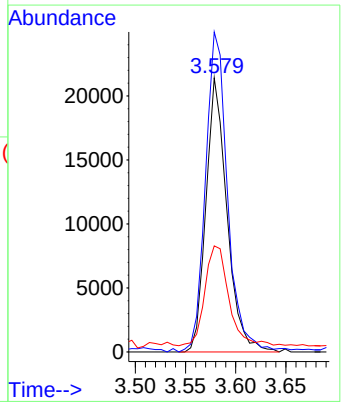


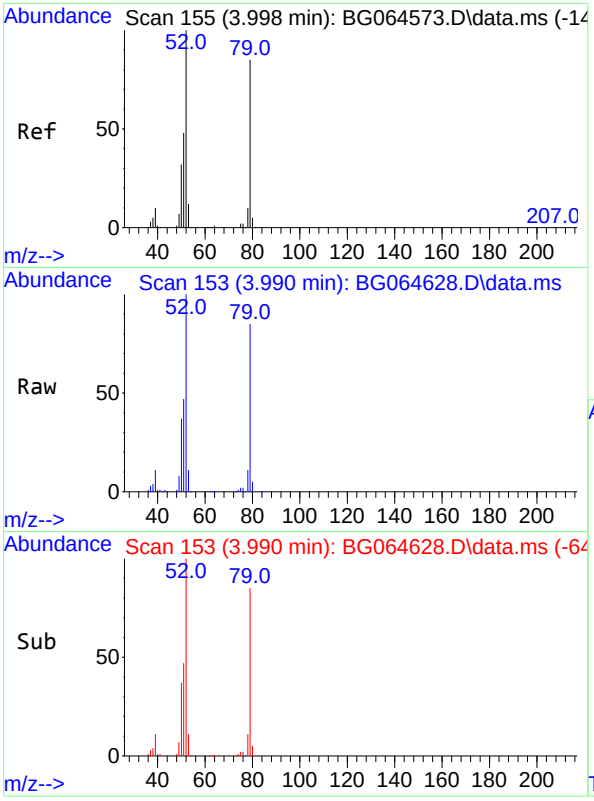


#2
1,4-Dioxane
Concen: 37.303 ng
RT: 3.579 min Scan# 83
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 88 Resp: 31292

Ion	Ratio	Lower	Upper
88	100		
58	123.9	92.4	138.6
43	41.9	33.0	49.6



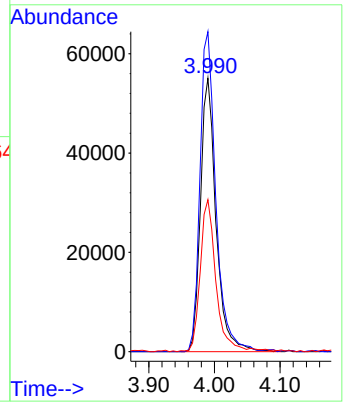


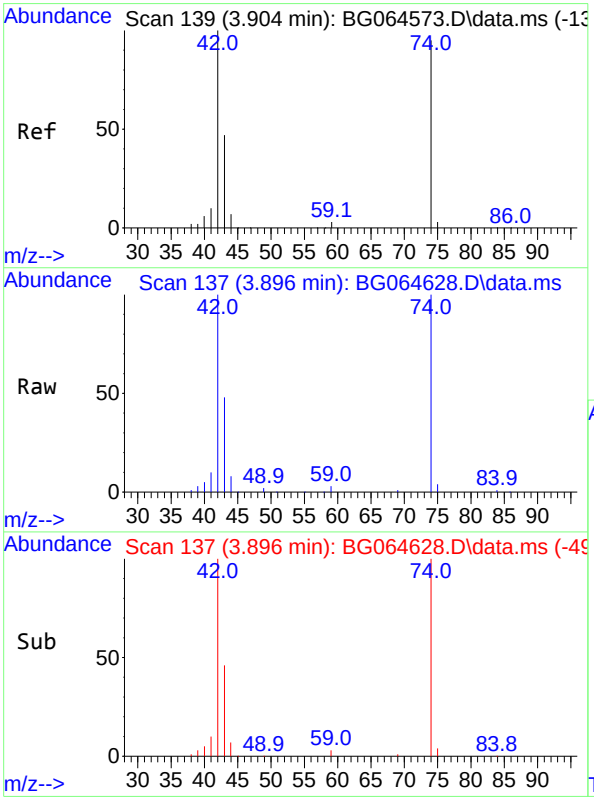
#3
Pyridine
Concen: 36.197 ng
RT: 3.990 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion: 79 Resp: 91183

Ion	Ratio	Lower	Upper
79	100		
52	117.1	94.2	141.2
51	55.6	46.1	69.1

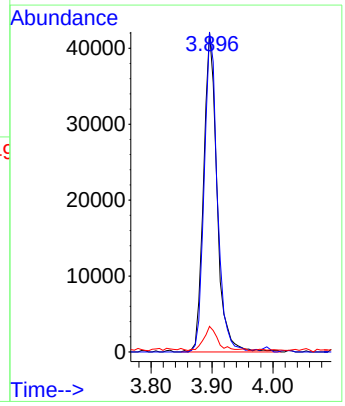


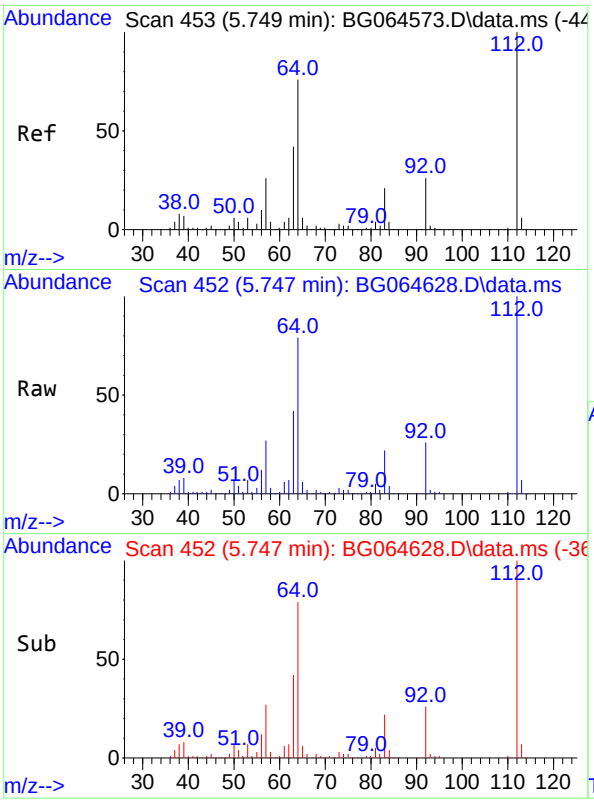


#4
n-Nitrosodimethylamine
Concen: 47.785 ng
RT: 3.896 min Scan# 137
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 42 Resp: 64553

Ion	Ratio	Lower	Upper
42	100		
74	99.8	76.1	114.1
44	8.0	6.3	9.5



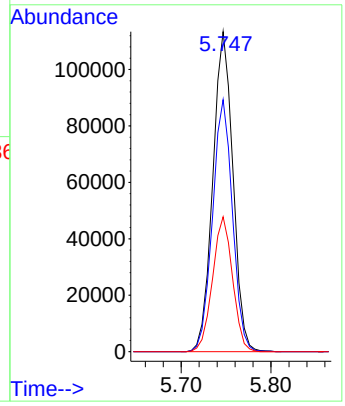


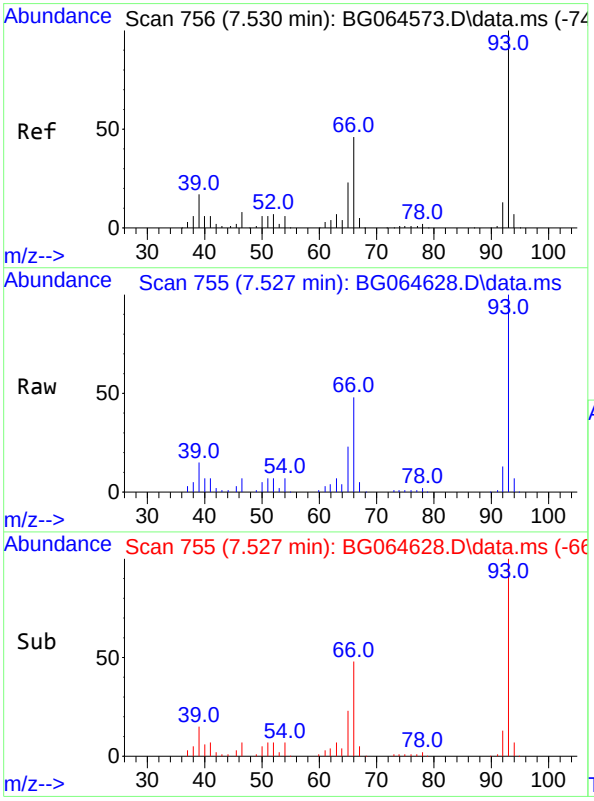
#5
2-Fluorophenol
Concen: 92.942 ng
RT: 5.747 min Scan# 4
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:112 Resp: 176100

Ion	Ratio	Lower	Upper
112	100		
64	78.8	60.7	91.1
63	42.2	33.4	50.0

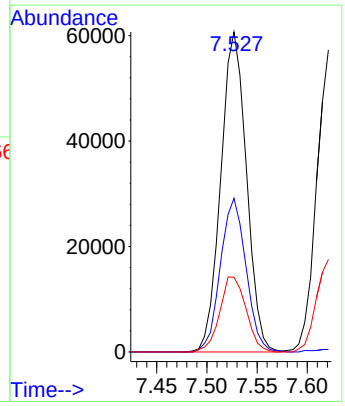


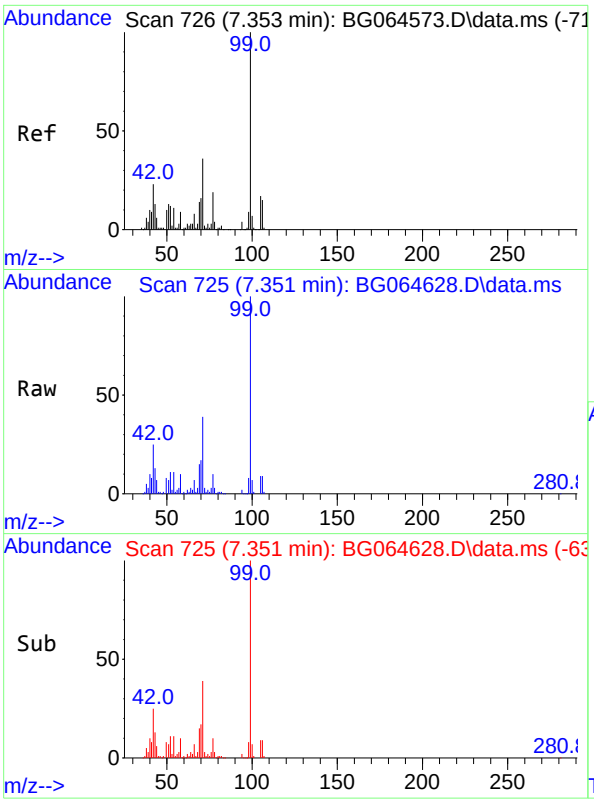


#6
Aniline
Concen: 30.493 ng
RT: 7.527 min Scan# 755
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 93 Resp: 107880

Ion	Ratio	Lower	Upper
93	100		
66	48.0	37.0	55.6
65	23.4	18.3	27.5



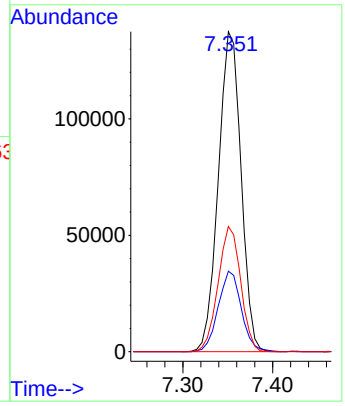


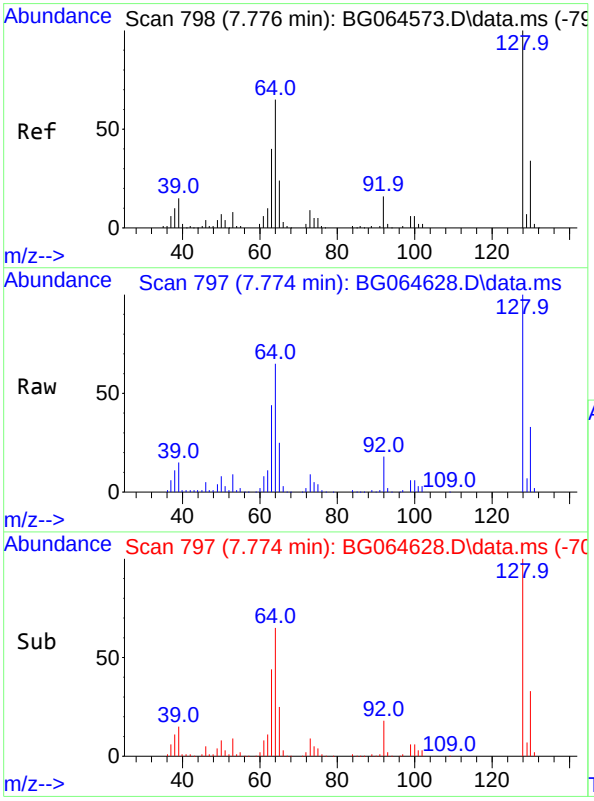
#7
Phenol-d6
Concen: 92.637 ng
RT: 7.351 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion: 99 Resp: 240854

Ion	Ratio	Lower	Upper
99	100		
42	25.2	18.3	27.5
71	39.1	28.6	43.0

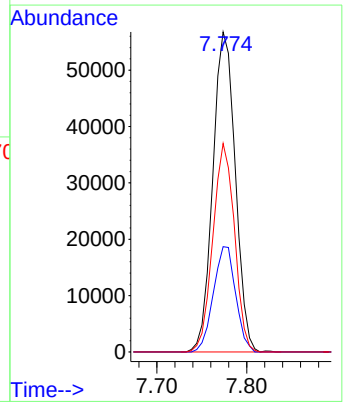


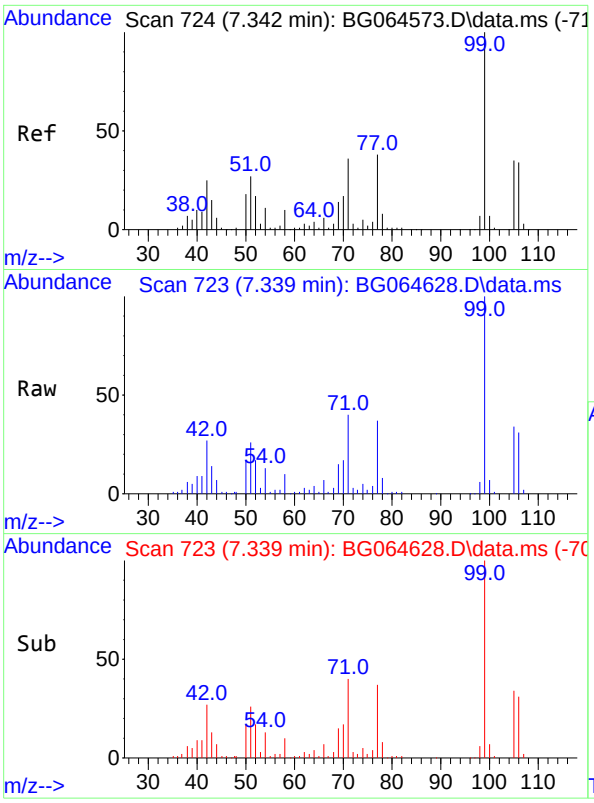


#8
2-Chlorophenol
Concen: 49.746 ng
RT: 7.774 min Scan# 797
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:128 Resp: 98657

Ion	Ratio	Lower	Upper
128	100		
130	32.9	13.5	53.5
64	65.2	45.2	85.2



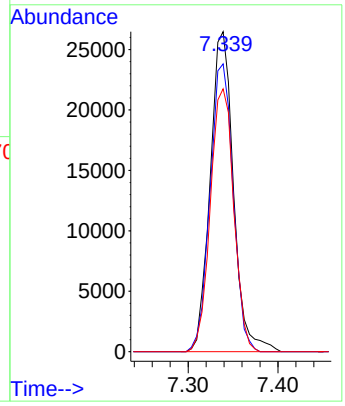


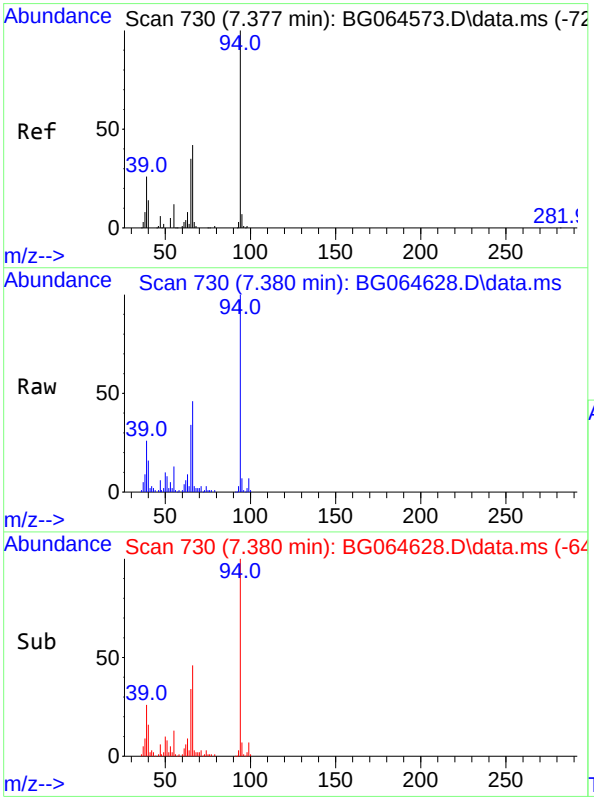
#9
Benzaldehyde
Concen: 33.562 ng
RT: 7.339 min Scan# 7
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion: 77 Resp: 47639

Ion	Ratio	Lower	Upper
77	100		
105	90.0	72.9	112.9
106	82.1	70.8	110.8

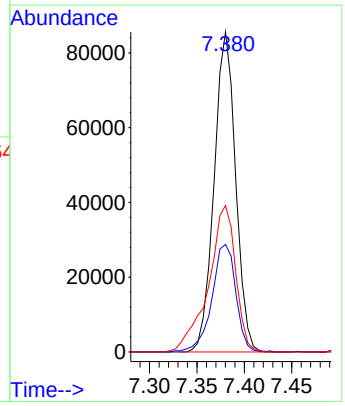


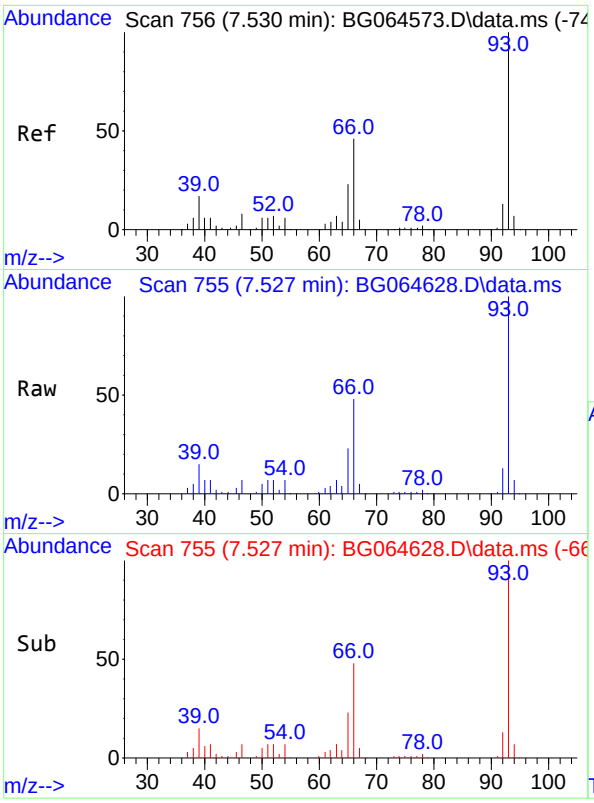


#10
Phenol
Concen: 46.926 ng
RT: 7.380 min Scan# 730
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 94 Resp: 134929

Ion	Ratio	Lower	Upper
94	100		
65	33.6	15.8	55.8
66	45.7	24.0	64.0



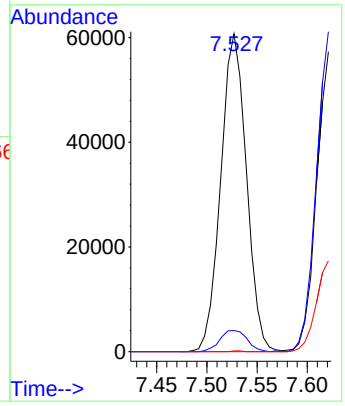


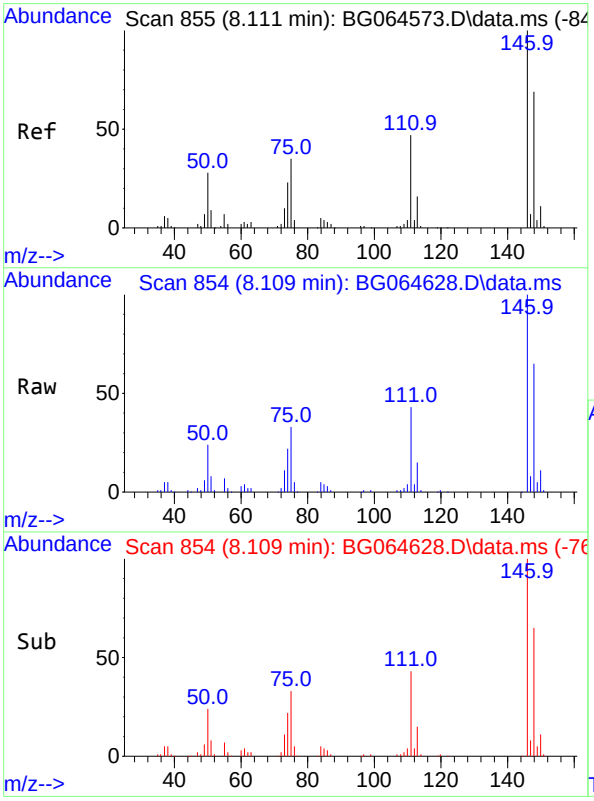
#11
bis(2-Chloroethyl)ether
Concen: 30.493 ng
RT: 7.527 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion: 93 Resp: 107880

Ion	Ratio	Lower	Upper
93	100		
63	6.7	0.0	27.4
95	0.3	0.0	20.2

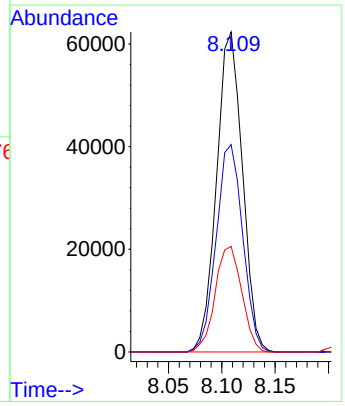


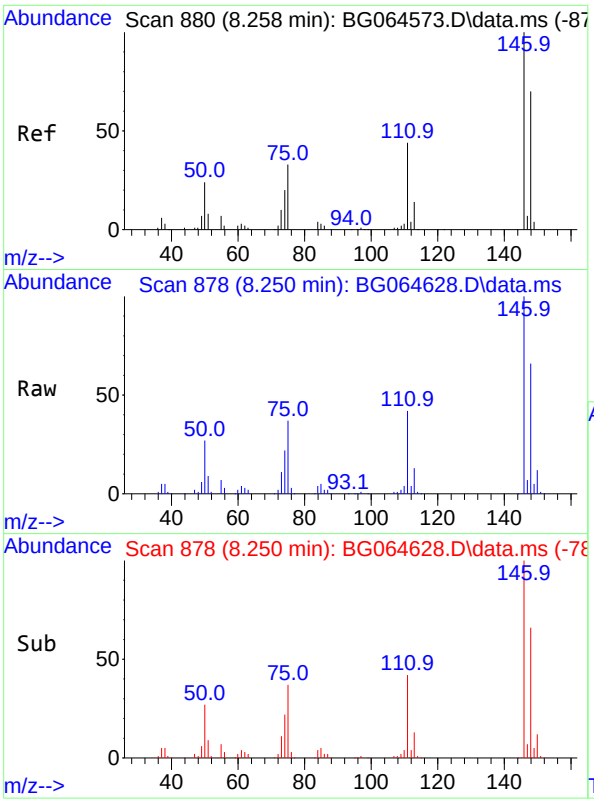


#12
1,3-Dichlorobenzene
Concen: 46.058 ng
RT: 8.109 min Scan# 854
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:146 Resp: 105133

Ion	Ratio	Lower	Upper
146	100		
148	64.8	55.3	82.9
75	33.0	28.2	42.2



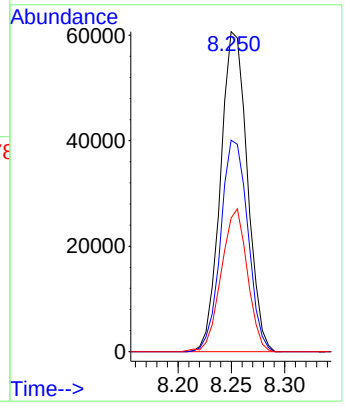


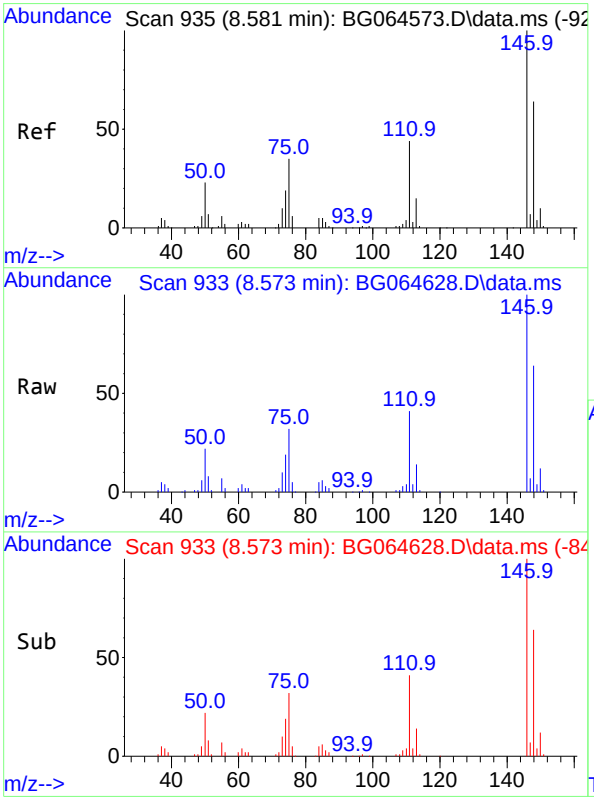
#13
1,4-Dichlorobenzene
Concen: 45.698 ng
RT: 8.250 min Scan# 8
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:146 Resp: 106063

Ion	Ratio	Lower	Upper
146	100		
148	66.1	56.2	84.4
111	41.8	35.4	53.0

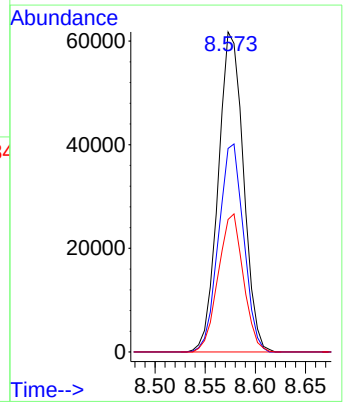


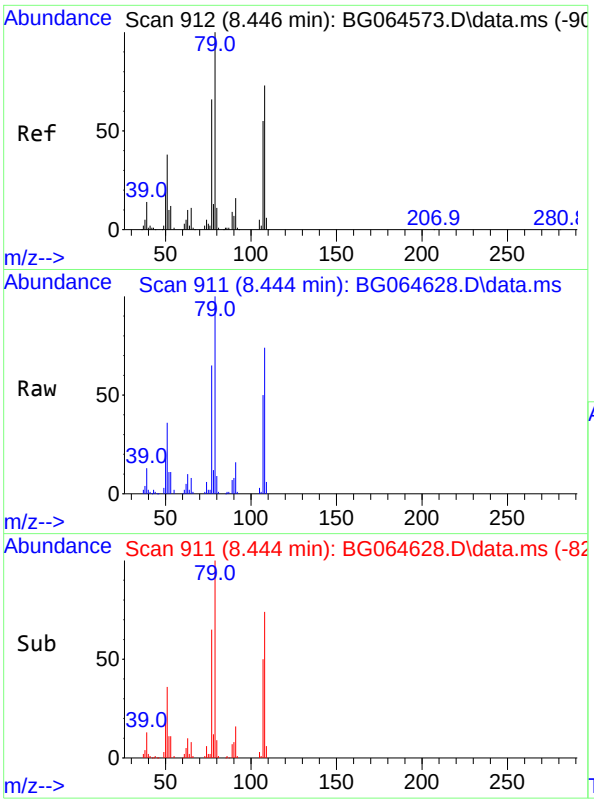


#14
1,2-Dichlorobenzene
Concen: 48.136 ng
RT: 8.573 min Scan# 933
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:146 Resp: 107759

Ion	Ratio	Lower	Upper
146	100		
148	63.6	51.5	77.3
111	41.4	35.0	52.6



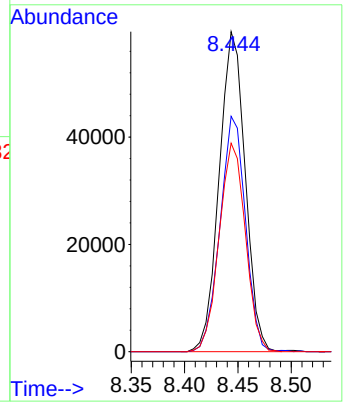


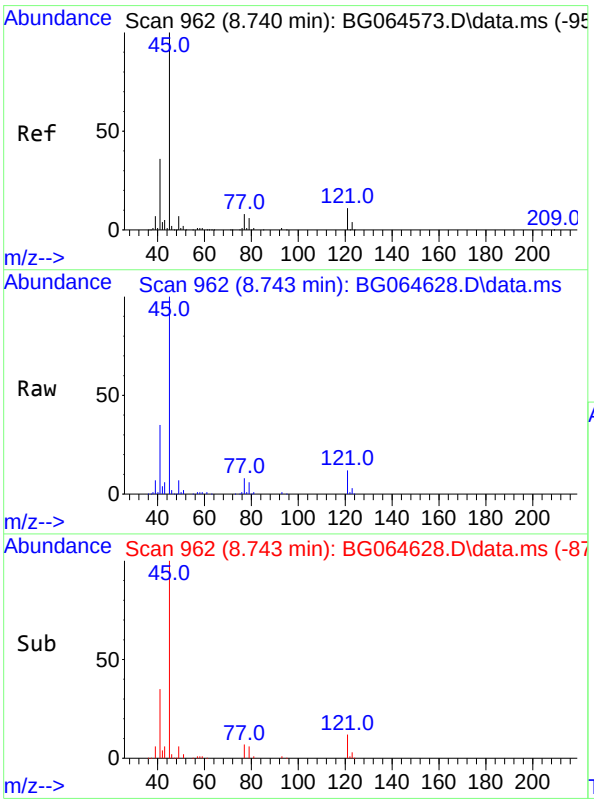
#15
Benzyl Alcohol
Concen: 47.091 ng
RT: 8.444 min Scan# 9
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion: 79 Resp: 100962

Ion	Ratio	Lower	Upper
79	100		
108	73.5	58.1	87.1
77	65.1	52.8	79.2

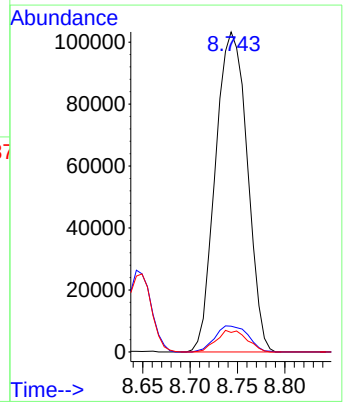


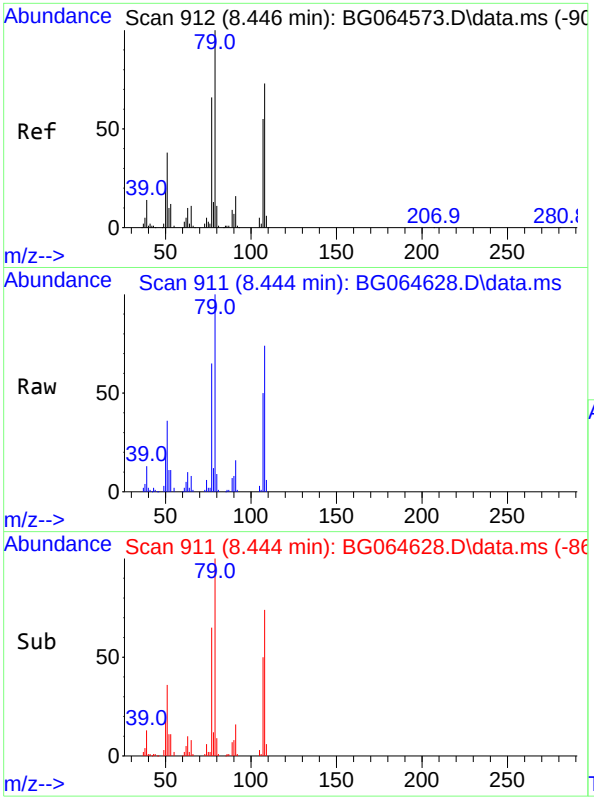


#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.406 ng
RT: 8.743 min Scan# 962
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 45 Resp: 240700

Ion	Ratio	Lower	Upper
45	100		
77	8.1	0.0	28.5
79	6.1	0.0	25.6



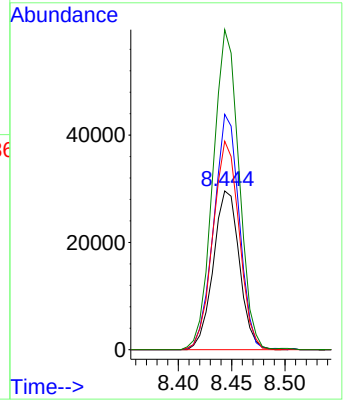


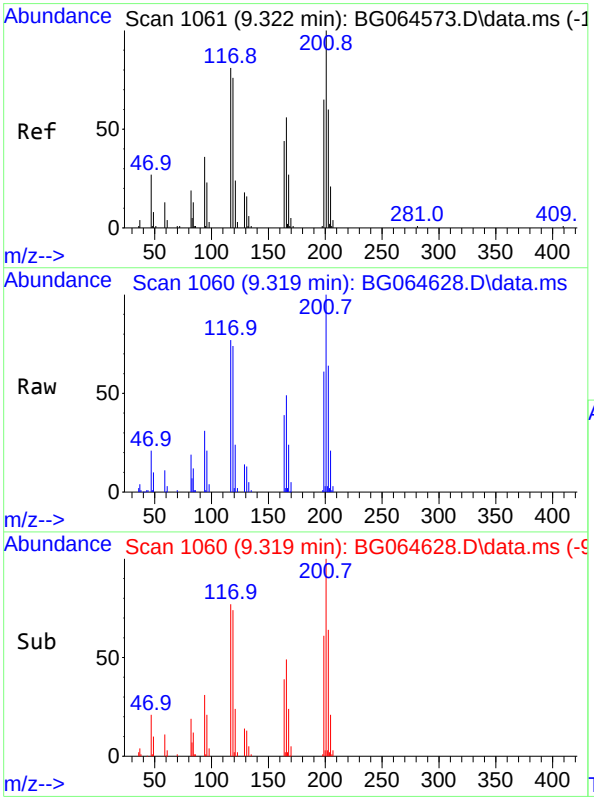
#17
2-Methylphenol
Concen: 47.146 ng
RT: 8.444 min Scan# 91
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:107 Resp: 50526

Ion	Ratio	Lower	Upper
107	100		
108	148.3	106.4	159.6
77	131.3	96.7	145.1
79	201.6	146.6	219.8

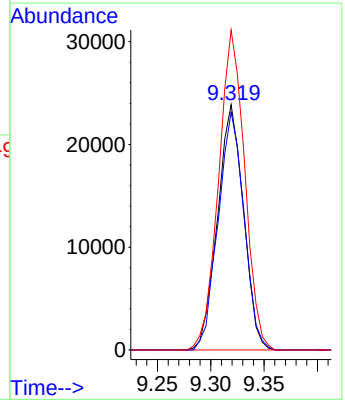


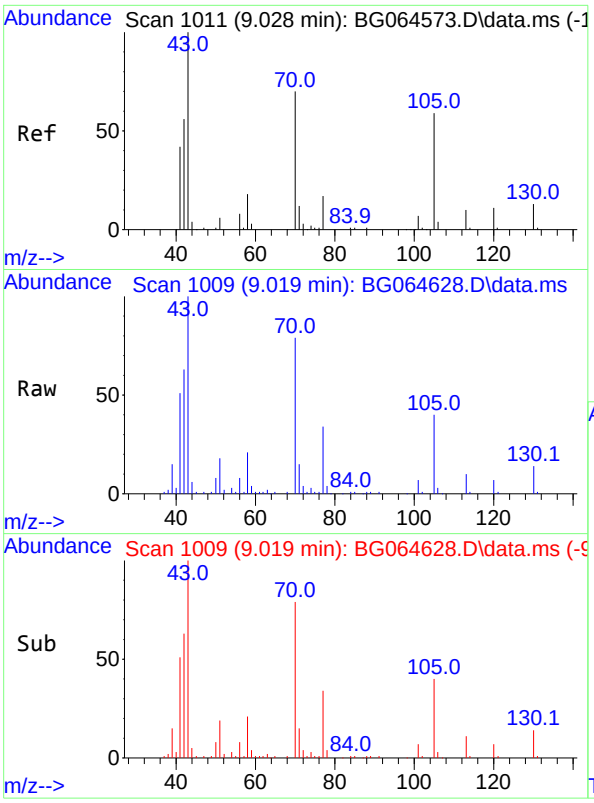


#18
Hexachloroethane
Concen: 49.488 ng
RT: 9.319 min Scan# 1060
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:117 Resp: 40307

Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.4	113.2
201	130.5	99.2	148.8



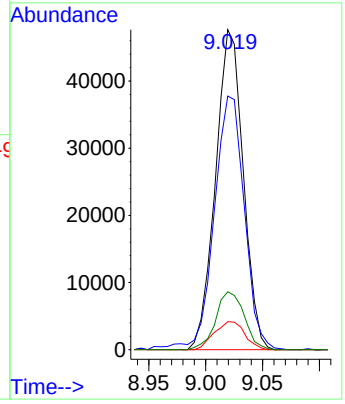


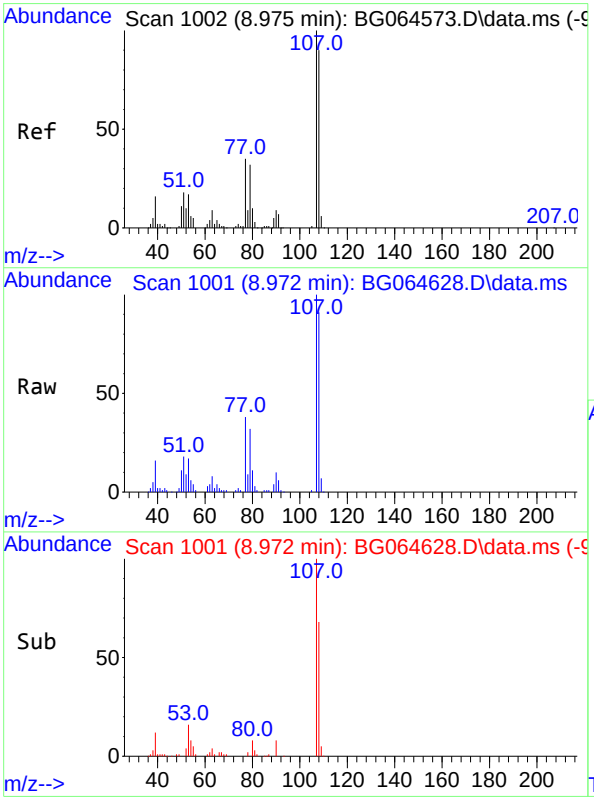
#19
n-Nitroso-di-n-propylamine
Concen: 44.910 ng
RT: 9.019 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion: 70 Resp: 80697

Ion	Ratio	Lower	Upper
70	100		
42	79.2	65.2	97.8
101	8.7	7.9	11.9
130	18.1	14.3	21.5

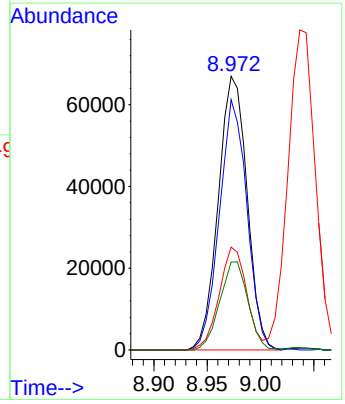


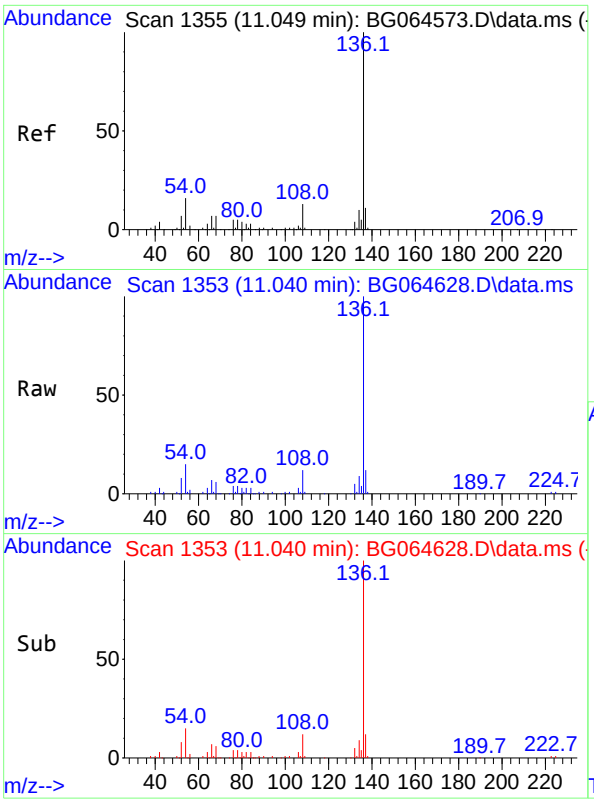


#20
3+4-Methylphenols
Concen: 46.893 ng
RT: 8.972 min Scan# 1001
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:107 Resp: 125897

Ion	Ratio	Lower	Upper
107	100		
108	91.4	70.3	110.3
77	37.6	14.6	54.6
79	32.1	11.7	51.7



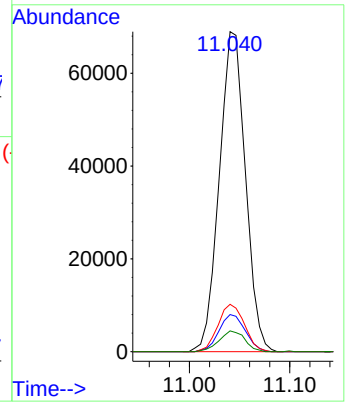


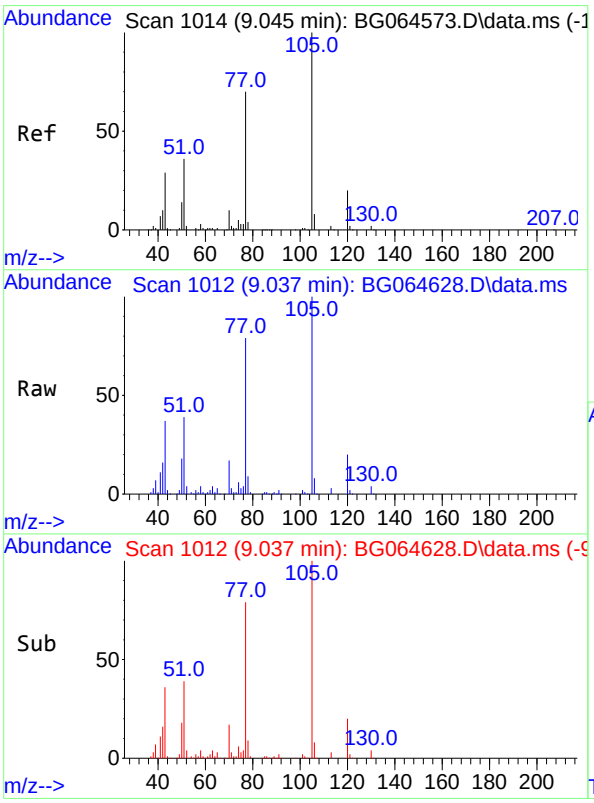
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.040 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:136 Resp: 124534

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	14.8	12.6	19.0
68	6.5	5.7	8.5

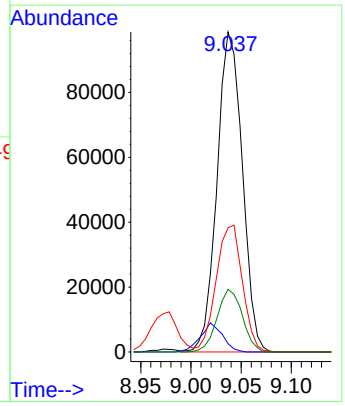


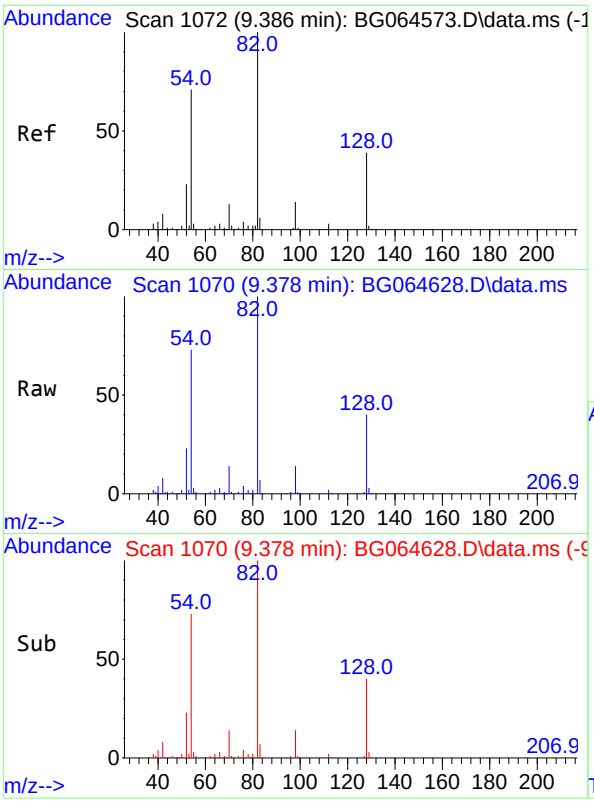


#22
Acetophenone
Concen: 50.758 ng
RT: 9.037 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:105 Resp: 172795

Ion	Ratio	Lower	Upper
105	100		
71	2.6	1.5	2.3#
51	38.8	33.7	50.5
120	19.6	16.1	24.1



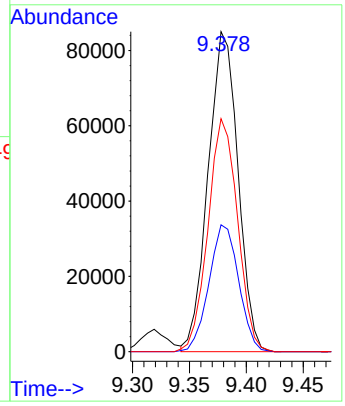


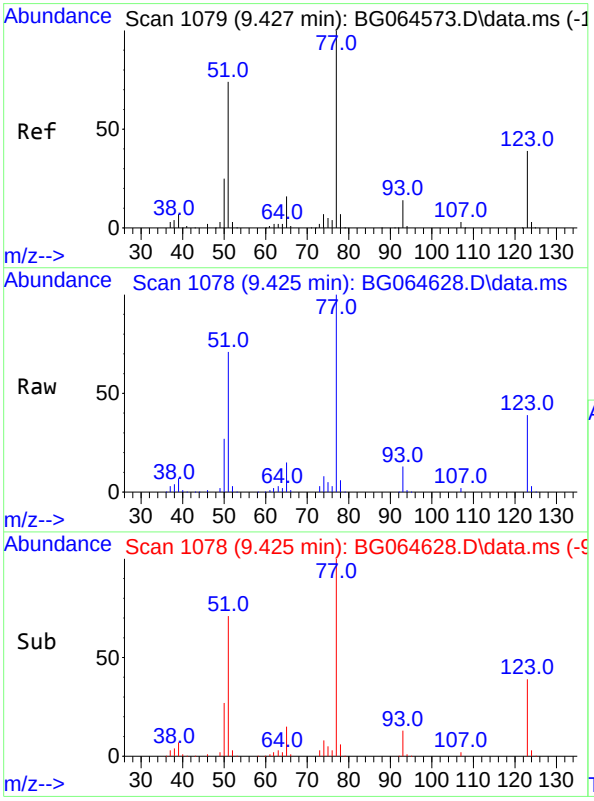
#23
Nitrobenzene-d5
Concen: 74.861 ng
RT: 9.378 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion: 82 Resp: 155218

Ion	Ratio	Lower	Upper
82	100		
128	39.7	31.3	46.9
54	72.8	56.6	84.8

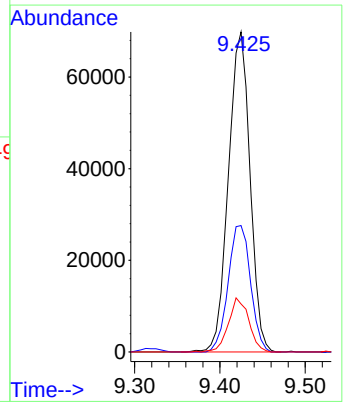


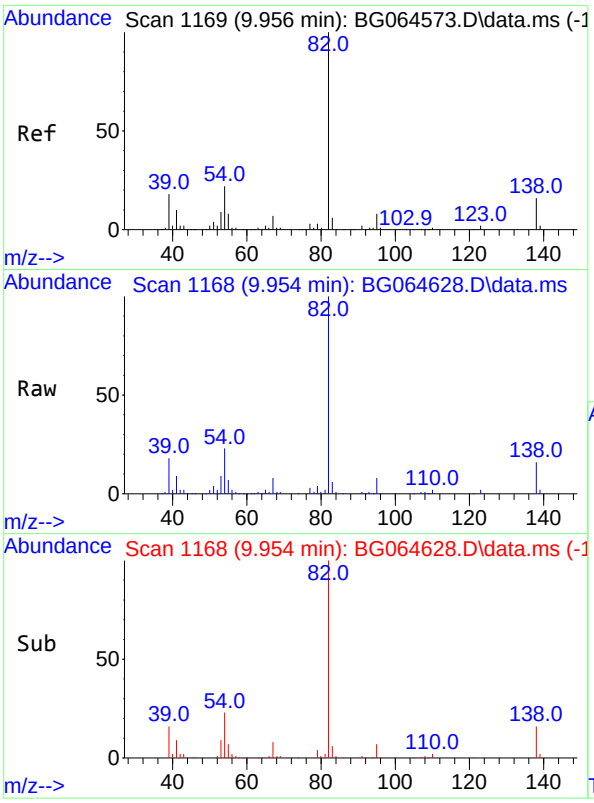


#24
Nitrobenzene
Concen: 54.514 ng
RT: 9.425 min Scan# 1078
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 77 Resp: 122938

Ion	Ratio	Lower	Upper
77	100		
123	39.5	31.0	46.6
65	15.0	12.7	19.1



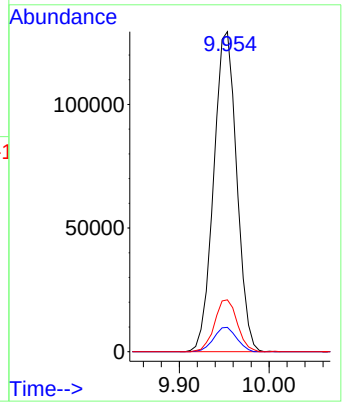


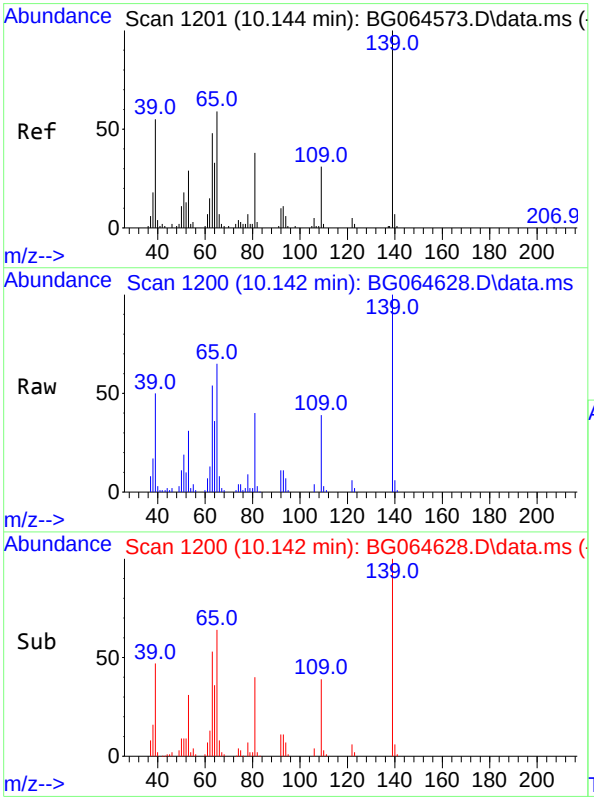
#25
Isophorone
Concen: 46.278 ng
RT: 9.954 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion: 82 Resp: 230244

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.1	9.1
138	16.2	13.0	19.4

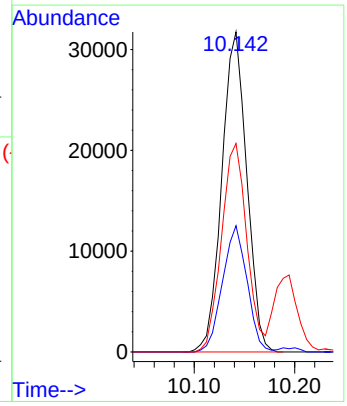


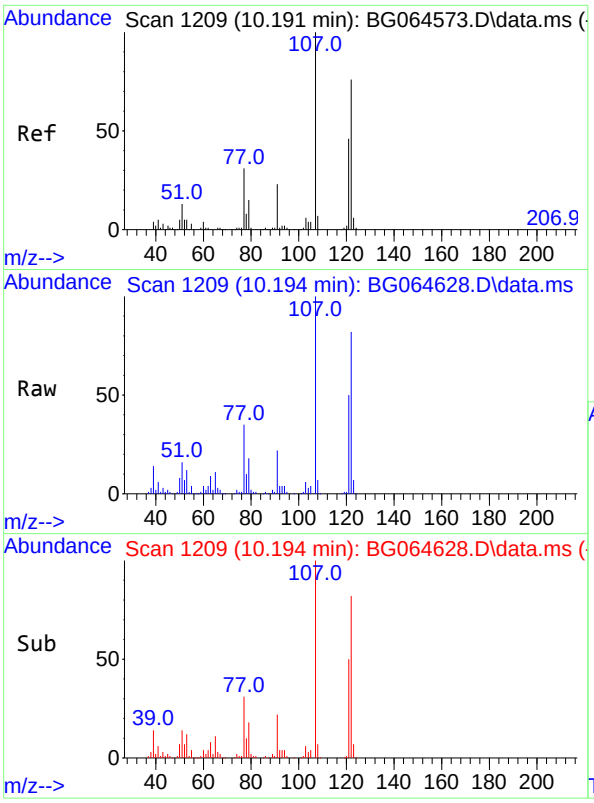


#26
2-Nitrophenol
Concen: 62.001 ng
RT: 10.142 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:139 Resp: 54798

Ion	Ratio	Lower	Upper
139	100		
109	39.5	24.6	37.0#
65	65.2	47.5	71.3



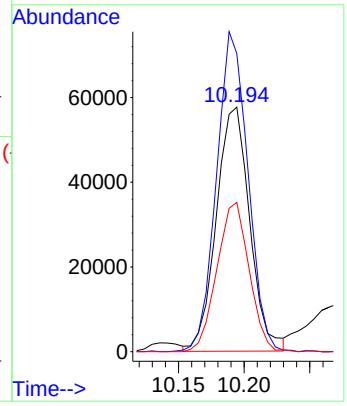


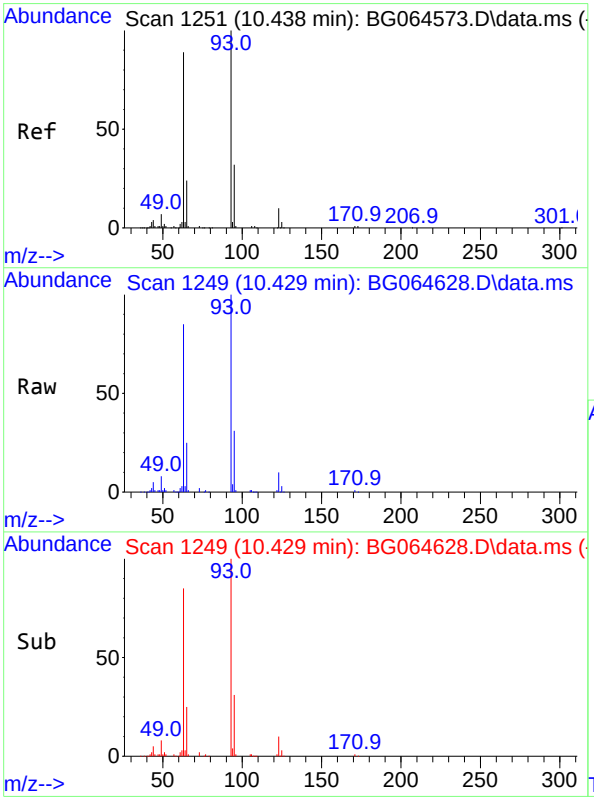
#27
2,4-Dimethylphenol
Concen: 54.121 ng
RT: 10.194 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:122 Resp: 102164

Ion	Ratio	Lower	Upper
122	100		
107	121.8	103.0	154.4
121	61.0	47.8	71.8

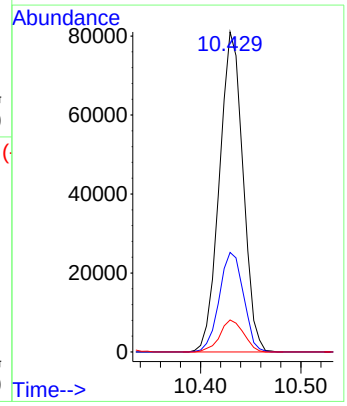


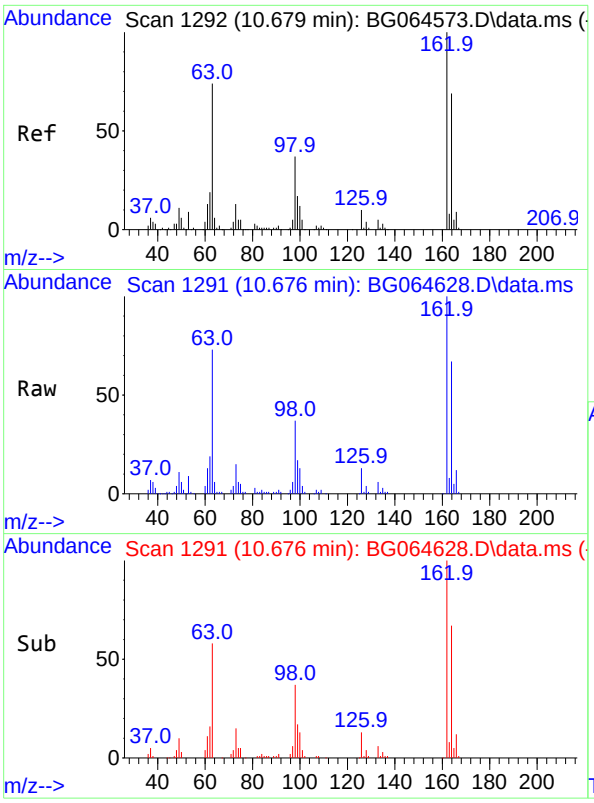


#28
bis(2-Chloroethoxy)methane
Concen: 46.587 ng
RT: 10.429 min Scan# 1249
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 93 Resp: 131967

Ion	Ratio	Lower	Upper
93	100		
95	31.1	25.4	38.2
123	10.0	8.4	12.6



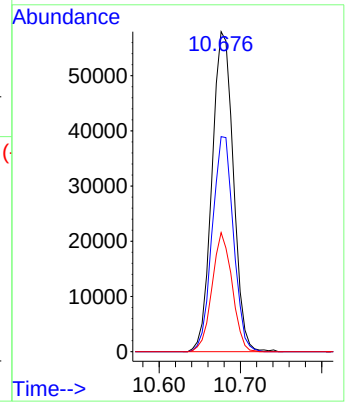


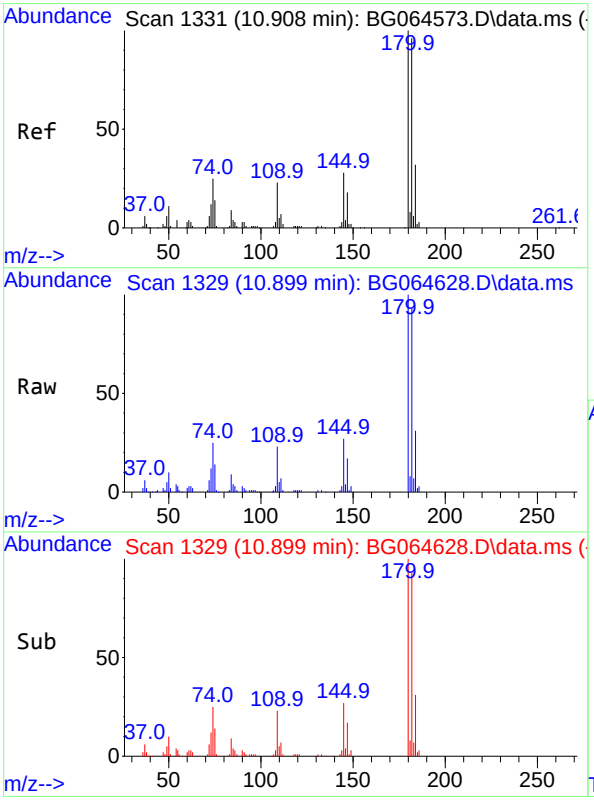
#29
2,4-Dichlorophenol
Concen: 53.143 ng
RT: 10.676 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:162 Resp: 105842

Ion	Ratio	Lower	Upper
162	100		
164	67.2	48.7	88.7
98	37.2	16.9	56.9

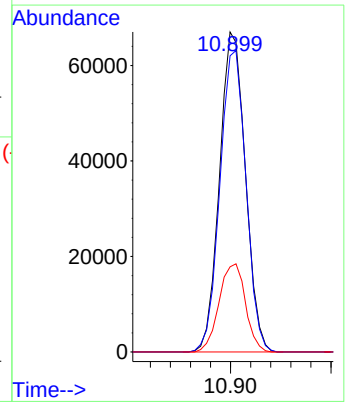


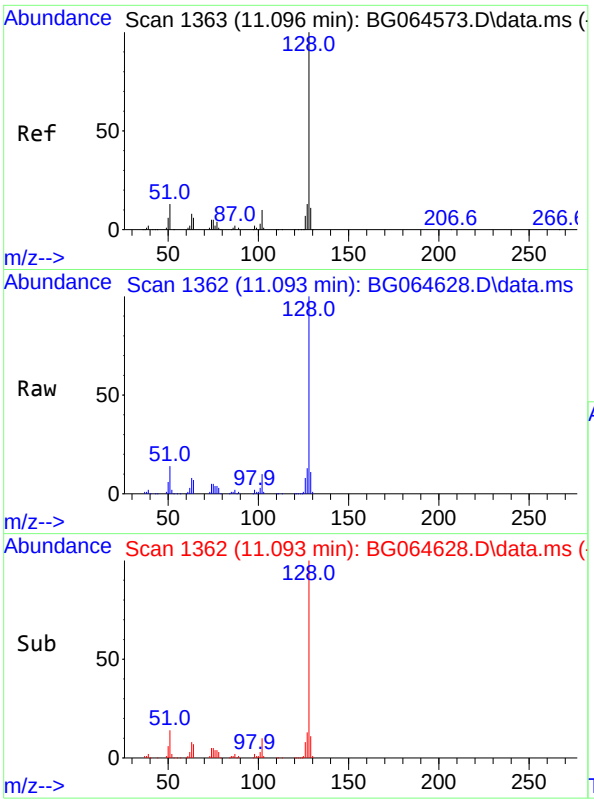


#30
1,2,4-Trichlorobenzene
Concen: 52.868 ng
RT: 10.899 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:180 Resp: 119635

Ion	Ratio	Lower	Upper
180	100		
182	92.6	76.9	115.3
145	26.6	22.1	33.1



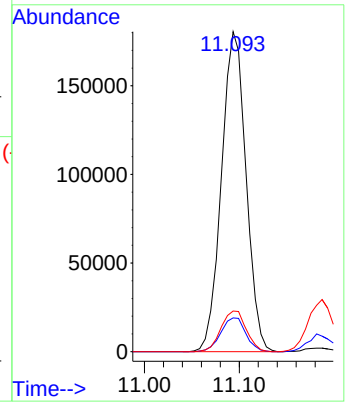


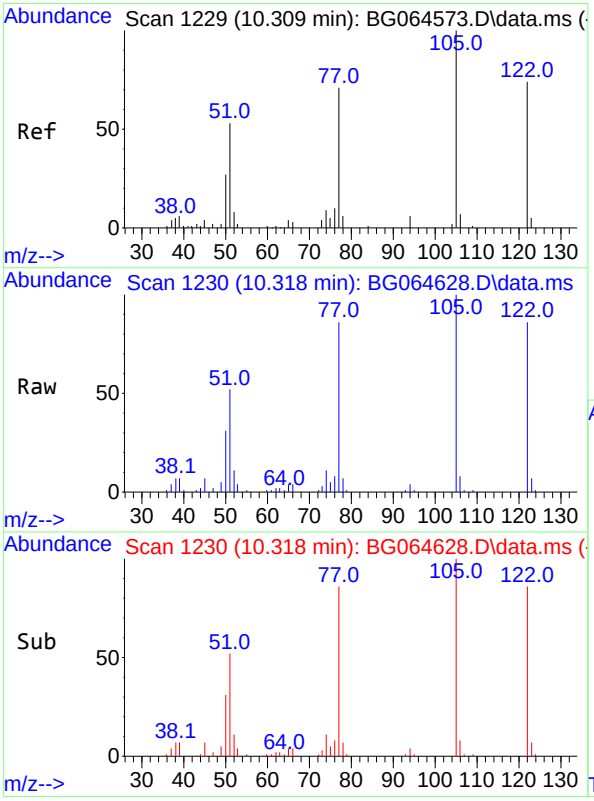
#31
Naphthalene
Concen: 47.081 ng
RT: 11.093 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:128 Resp: 325077

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

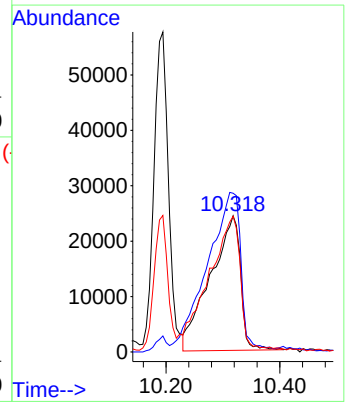


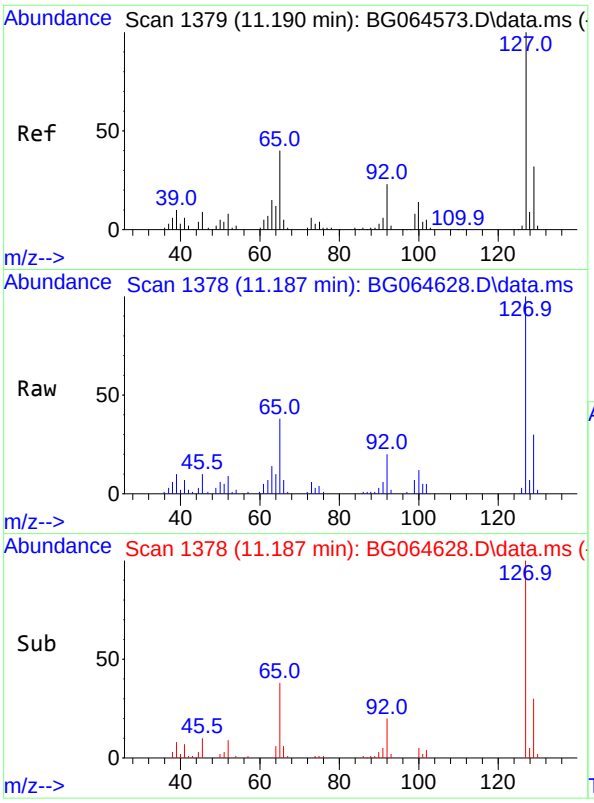


#32
Benzoic acid
Concen: 63.358 ng
RT: 10.318 min Scan# 1230
Delta R.T. -0.024 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:122 Resp: 89736

Ion	Ratio	Lower	Upper
122	100		
105	116.5	104.2	144.2
77	99.7	70.2	110.2



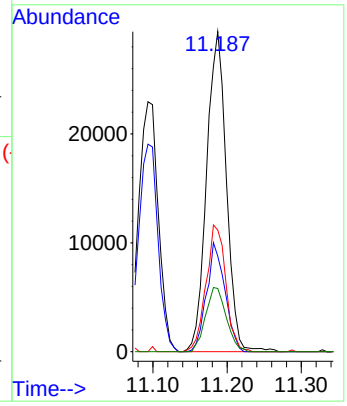


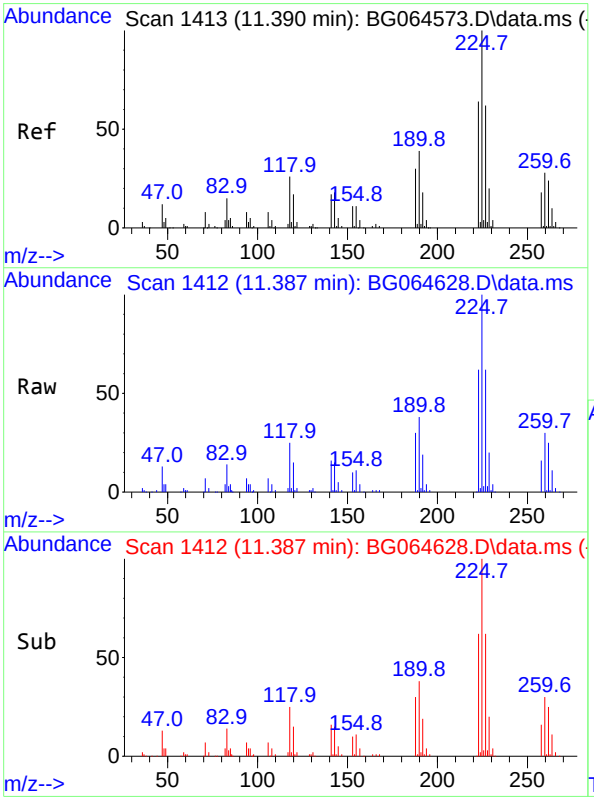
#33
4-Chloroaniline
Concen: 20.286 ng
RT: 11.187 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:127 Resp: 54442

Ion	Ratio	Lower	Upper
127	100		
129	29.8	25.5	38.3
65	38.0	32.2	48.4
92	19.8	18.2	27.2

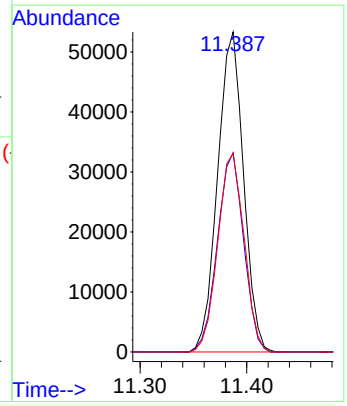


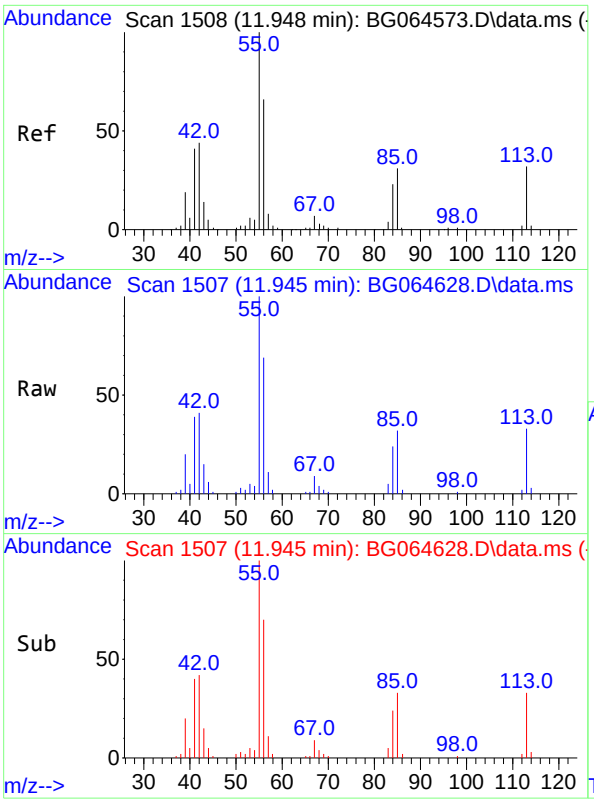


#34
Hexachlorobutadiene
Concen: 50.775 ng
RT: 11.387 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:225 Resp: 89857

Ion	Ratio	Lower	Upper
225	100		
223	60.3	48.8	73.2
227	60.1	49.5	74.3



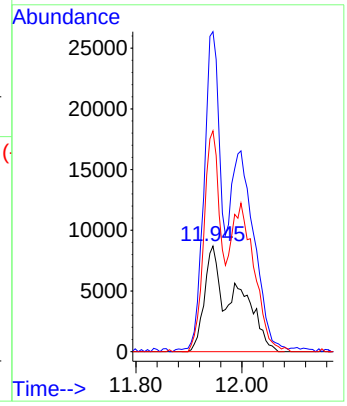


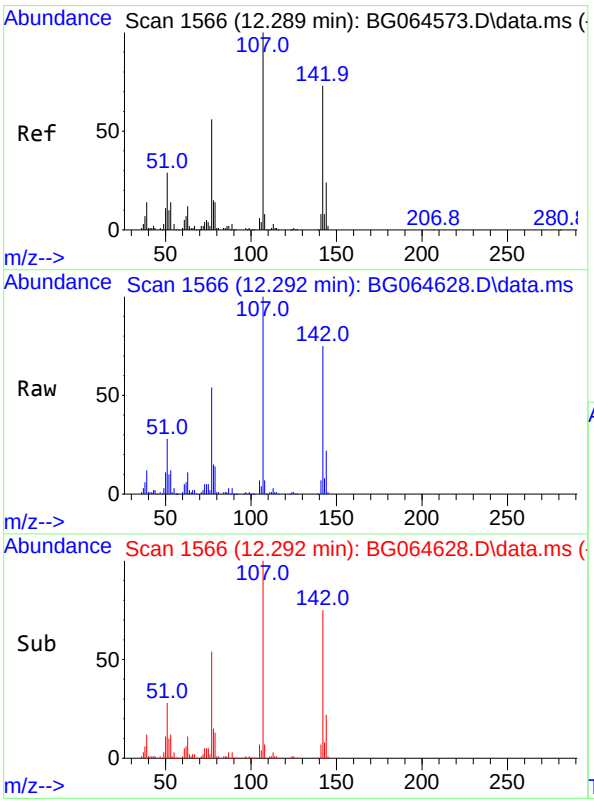
#35
Caprolactam
Concen: 46.490 ng m
RT: 11.945 min Scan# 1
Delta R.T. -0.030 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:113 Resp: 35513

Ion	Ratio	Lower	Upper
113	100		
55	303.2	290.1	330.1
56	209.1	183.8	223.8

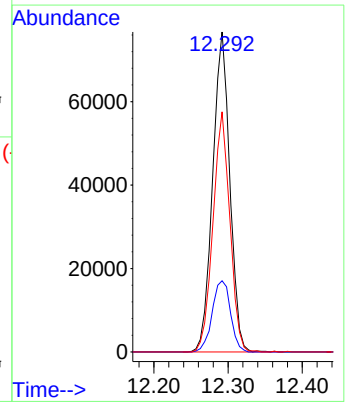


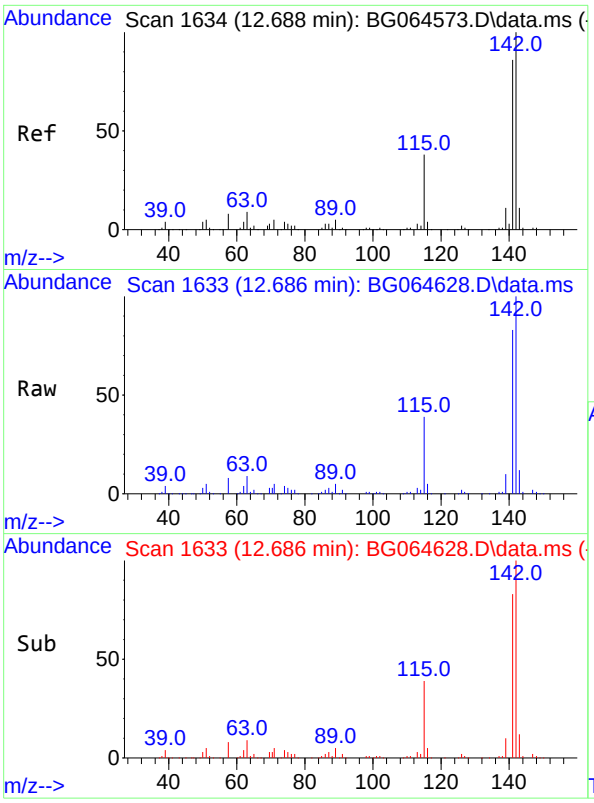


#36
4-Chloro-3-methylphenol
Concen: 51.210 ng
RT: 12.292 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:107 Resp: 122597

Ion	Ratio	Lower	Upper
107	100		
144	22.3	19.1	28.7
142	75.1	58.6	87.8



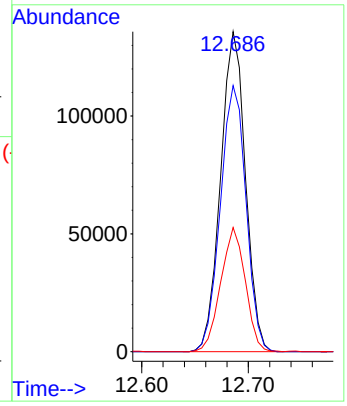


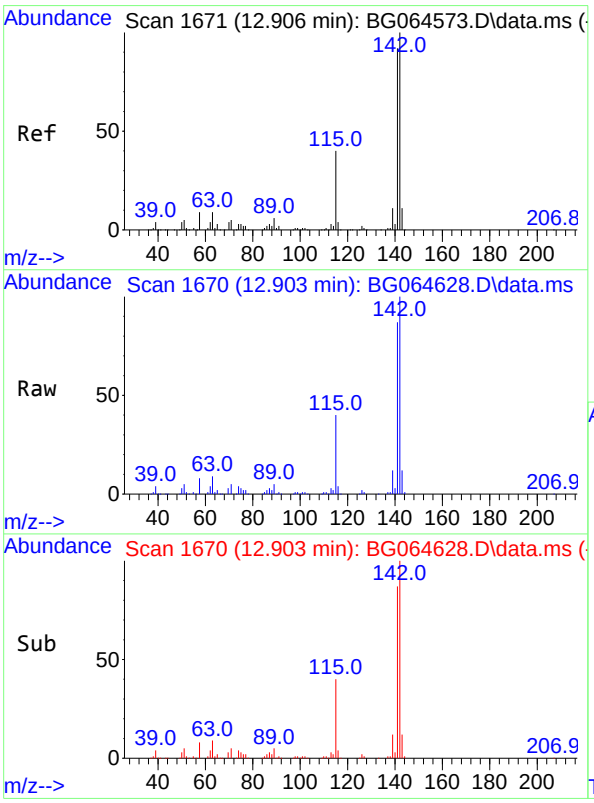
#37
2-Methylnaphthalene
Concen: 43.321 ng
RT: 12.686 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:142 Resp: 219604

Ion	Ratio	Lower	Upper
142	100		
141	83.2	68.9	103.3
115	38.8	30.6	46.0

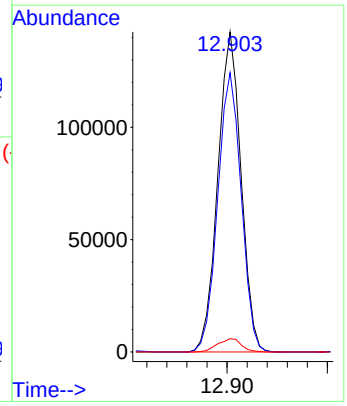


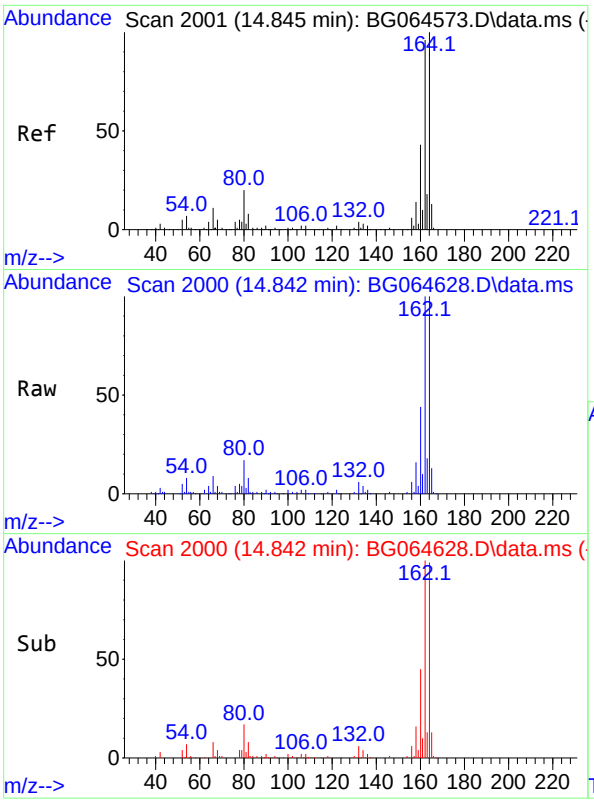


#38
1-Methylnaphthalene
Concen: 45.818 ng
RT: 12.903 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:142 Resp: 228542

Ion	Ratio	Lower	Upper
142	100		
141	87.2	73.3	109.9
116	4.1	3.1	4.7



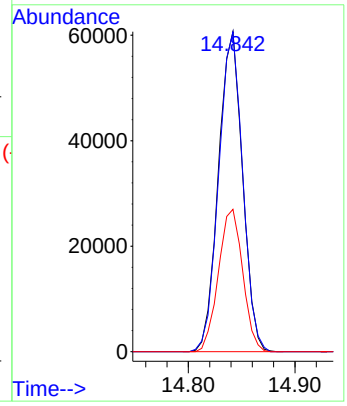


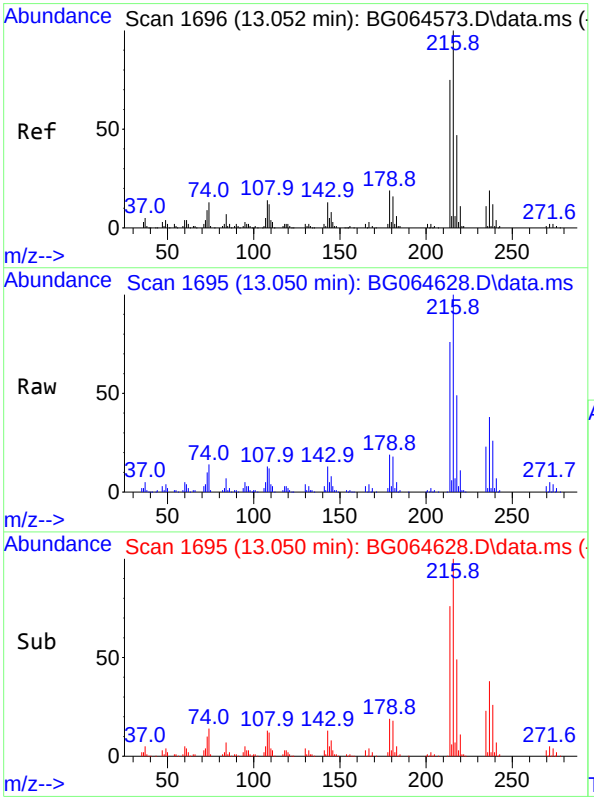
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:164 Resp: 94989

Ion	Ratio	Lower	Upper
164	100		
162	99.9	77.0	115.6
160	44.5	34.4	51.6

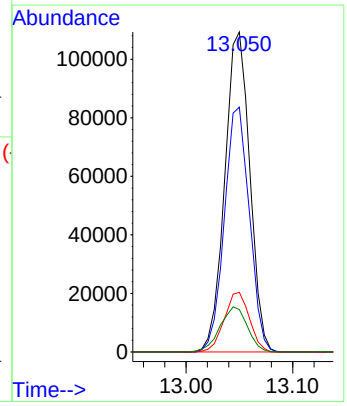


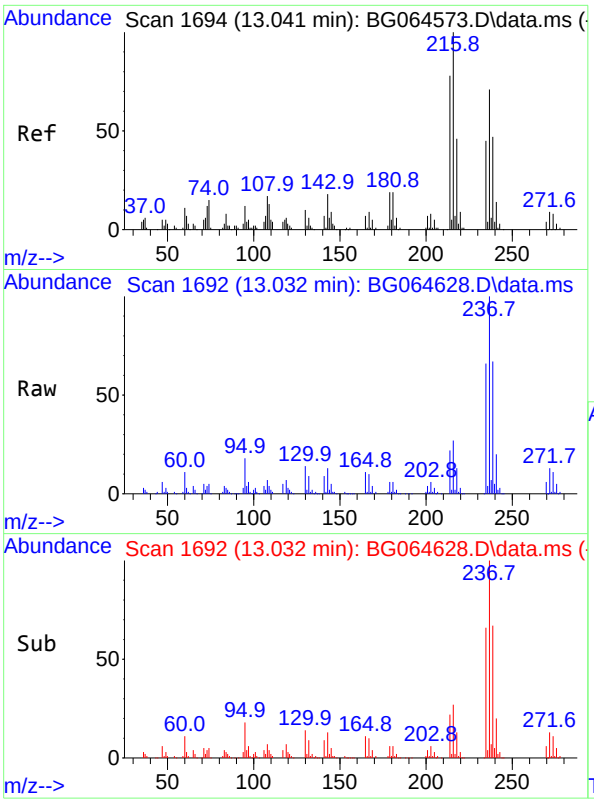


#40
1,2,4,5-Tetrachlorobenzene
Concen: 55.934 ng
RT: 13.050 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:216 Resp: 178313

Ion	Ratio	Lower	Upper
216	100		
214	76.5	61.4	92.2
179	18.7	15.4	23.0
108	15.4	11.8	17.6



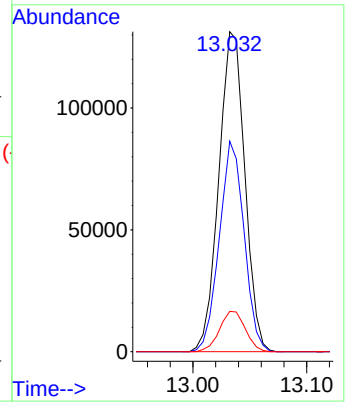


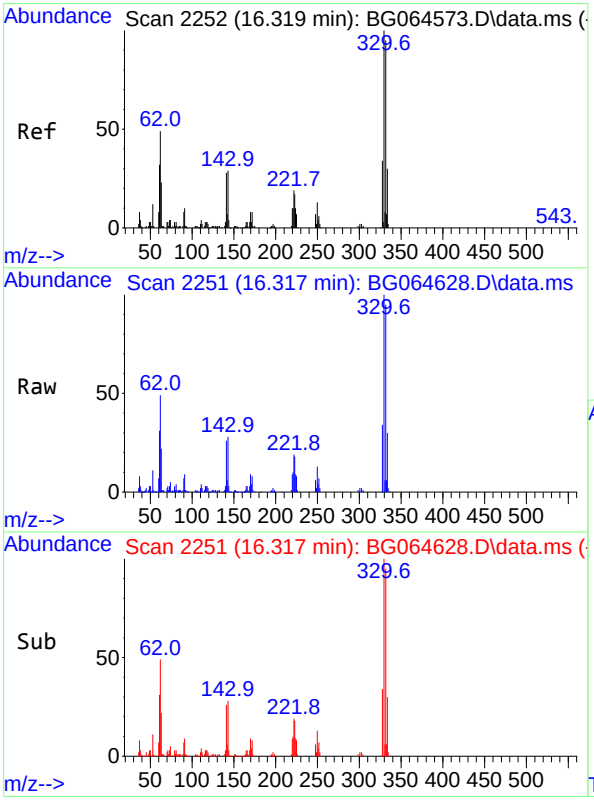
#41
Hexachlorocyclopentadiene
Concen: 145.386 ng
RT: 13.032 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:237 Resp: 208614

Ion	Ratio	Lower	Upper
237	100		
235	65.8	44.1	84.1
272	12.6	0.0	32.4

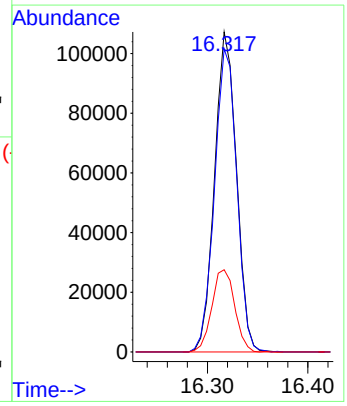


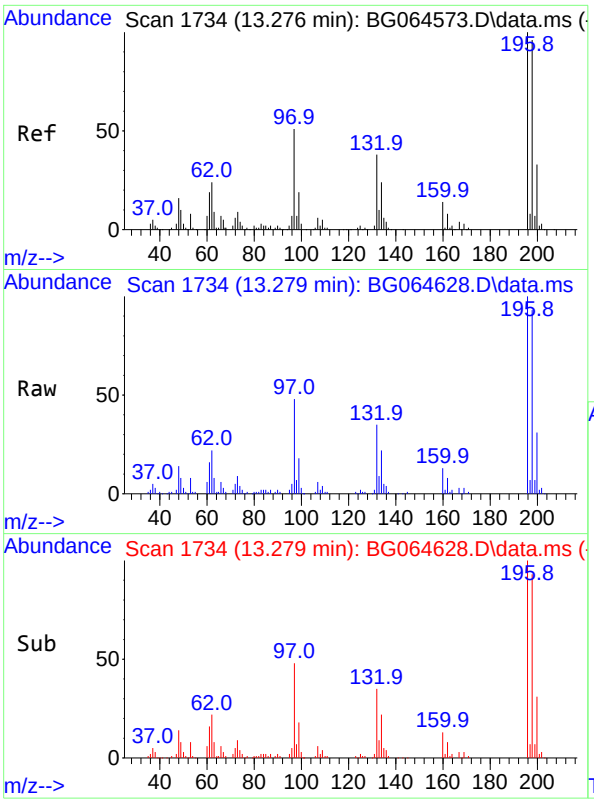


#42
2,4,6-Tribromophenol
Concen: 118.302 ng
RT: 16.317 min Scan# 2251
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:330 Resp: 162190

Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.0	117.0
141	27.0	21.8	32.6



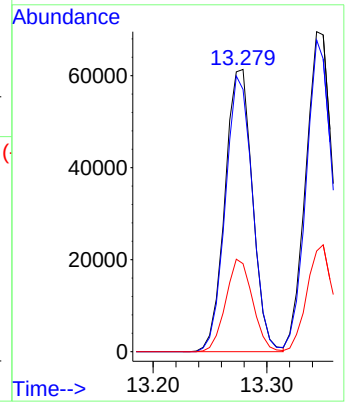


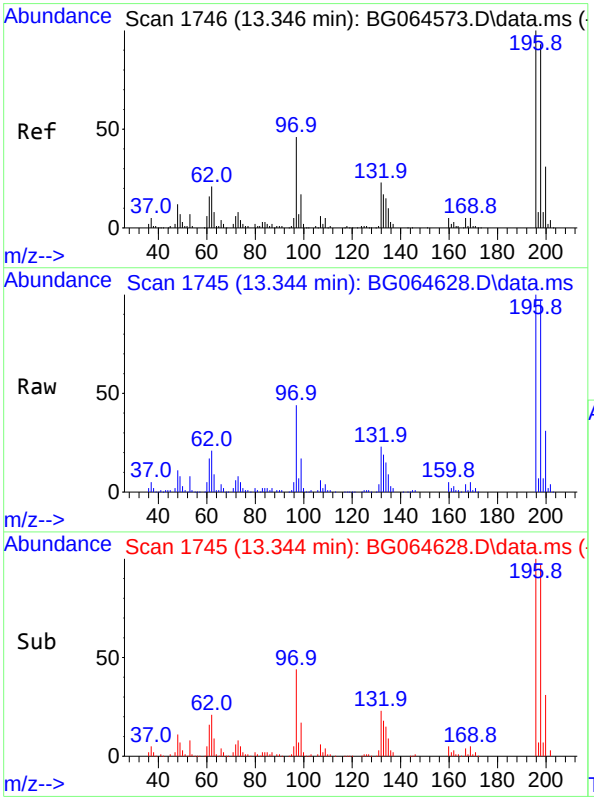
#43
2,4,6-Trichlorophenol
Concen: 56.833 ng
RT: 13.279 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:196 Resp: 103636

Ion	Ratio	Lower	Upper
196	100		
198	92.9	76.6	115.0
200	31.2	26.0	39.0

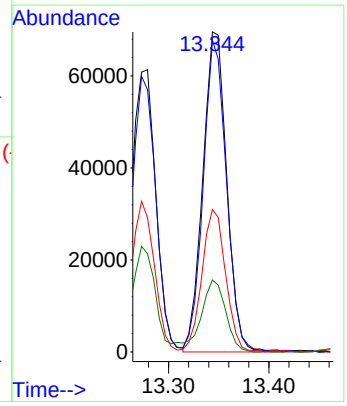


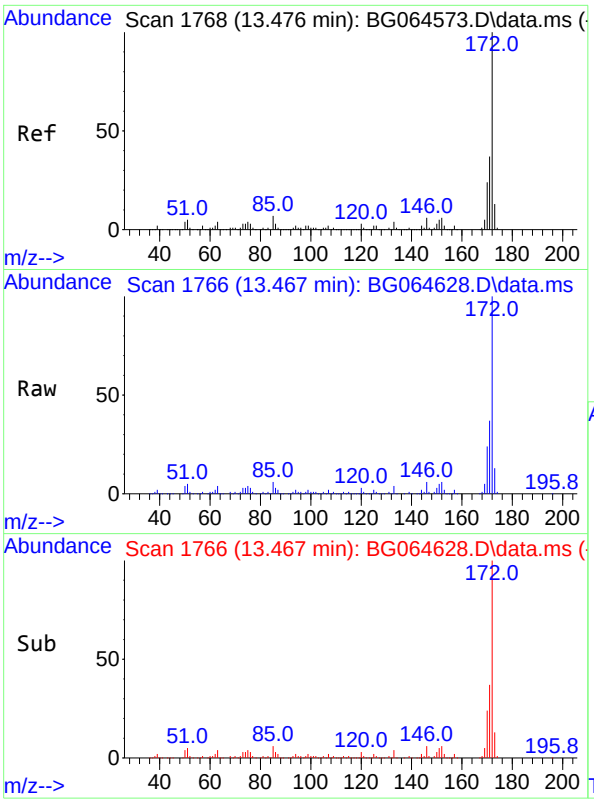


#44
2,4,5-Trichlorophenol
Concen: 54.963 ng
RT: 13.344 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:196 Resp: 115660

Ion	Ratio	Lower	Upper
196	100		
198	97.4	74.2	111.4
97	44.5	37.0	55.6
132	22.5	18.5	27.7



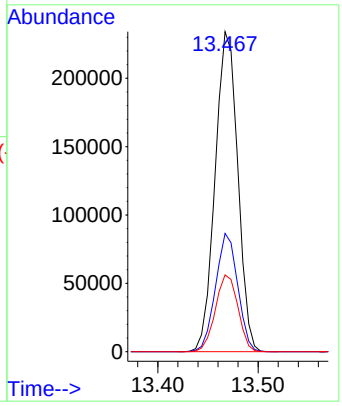


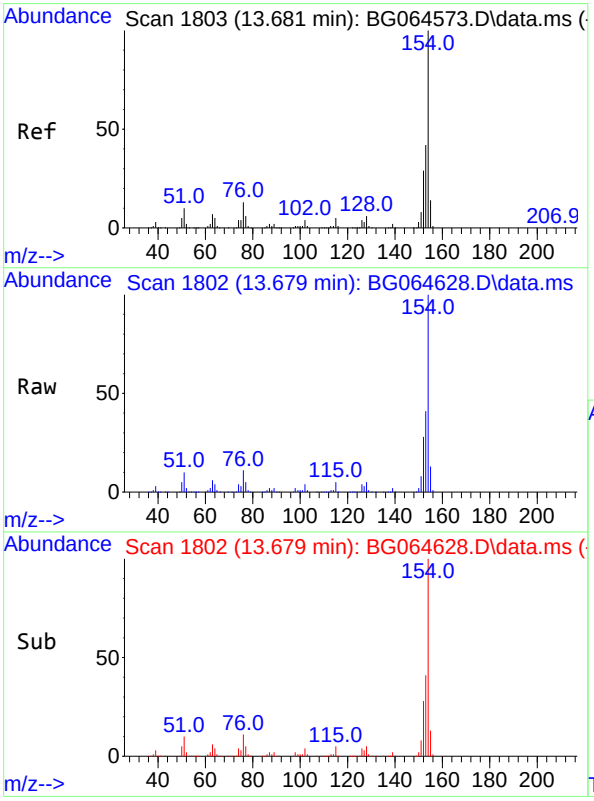
#45
2-Fluorobiphenyl
Concen: 58.437 ng
RT: 13.467 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:172 Resp: 366213

Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.0
170	24.0	19.1	28.7

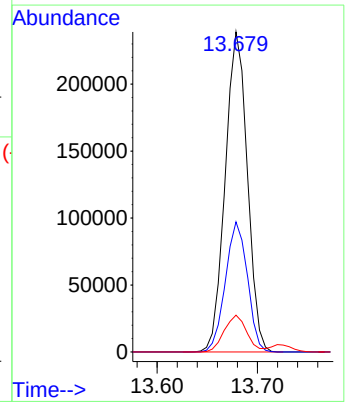


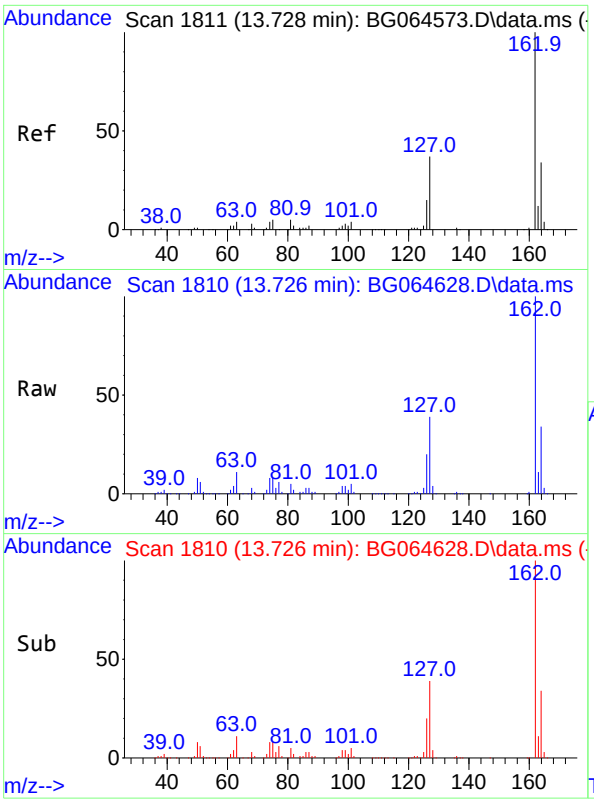


#46
1,1'-Biphenyl
Concen: 54.107 ng
RT: 13.679 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:154 Resp: 365386

Ion	Ratio	Lower	Upper
154	100		
153	40.6	22.4	62.4
76	11.5	0.0	33.5



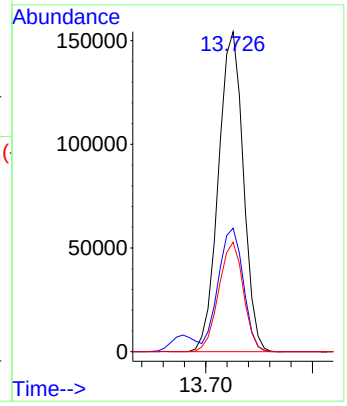


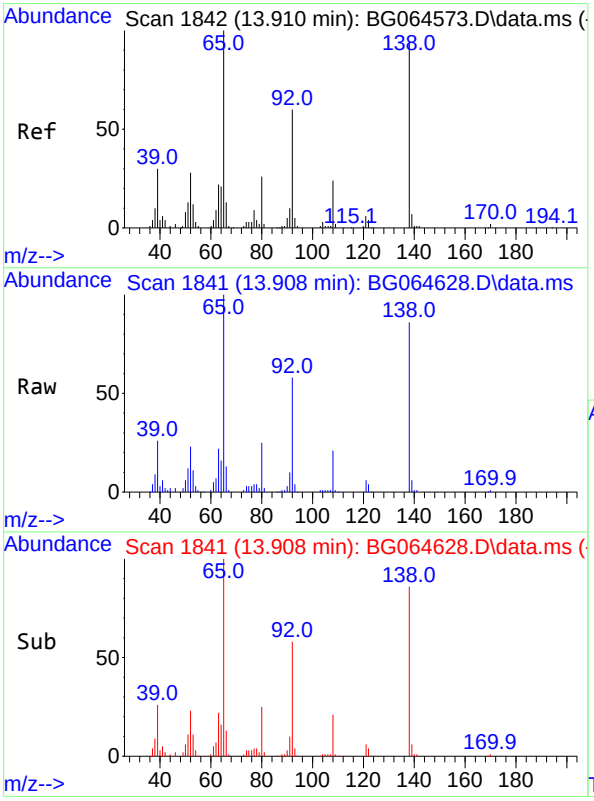
#47
2-Chloronaphthalene
Concen: 48.952 ng
RT: 13.726 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:162 Resp: 249530

Ion	Ratio	Lower	Upper
162	100		
127	38.6	32.2	48.2
164	34.2	27.5	41.3

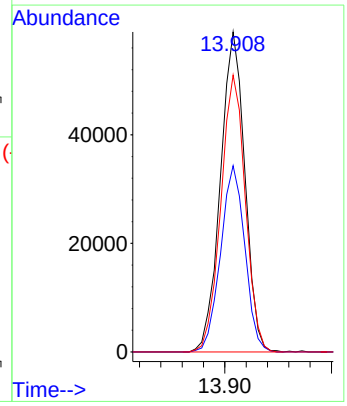


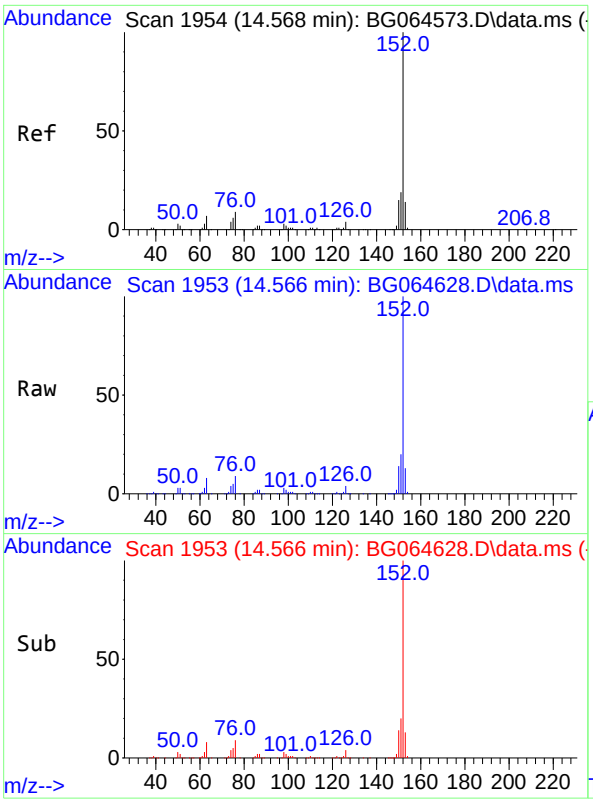


#48
2-Nitroaniline
Concen: 54.228 ng
RT: 13.908 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion: 65 Resp: 93564

Ion	Ratio	Lower	Upper
65	100		
92	58.2	48.3	72.5
138	86.5	74.9	112.3



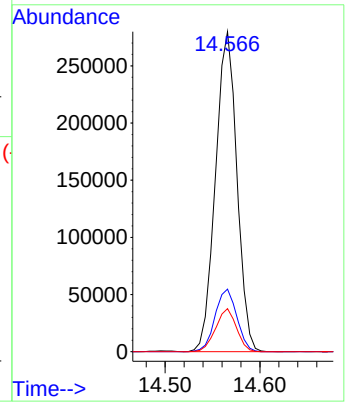


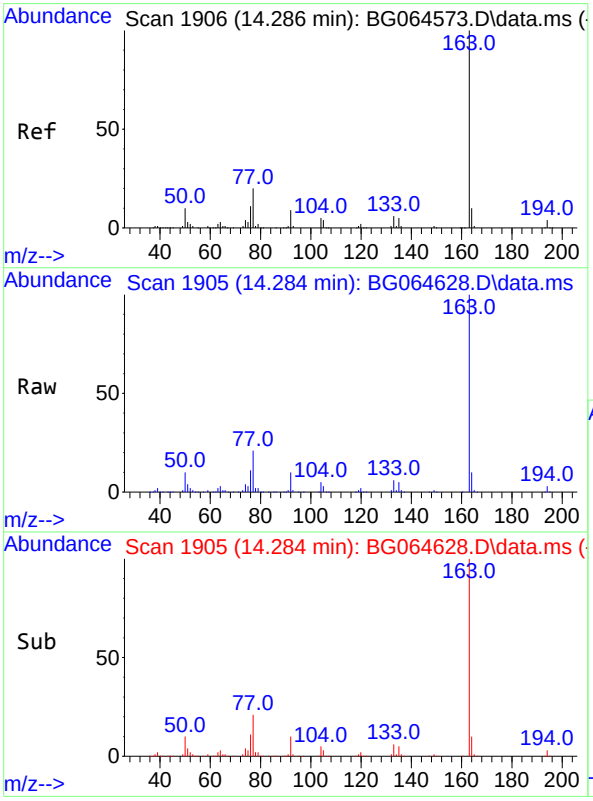
#49
Acenaphthylene
Concen: 54.693 ng
RT: 14.566 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:152 Resp: 439745

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.2
153	13.5	11.0	16.4

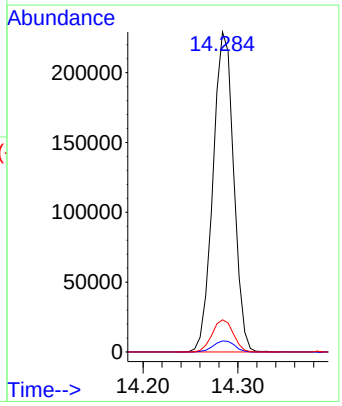


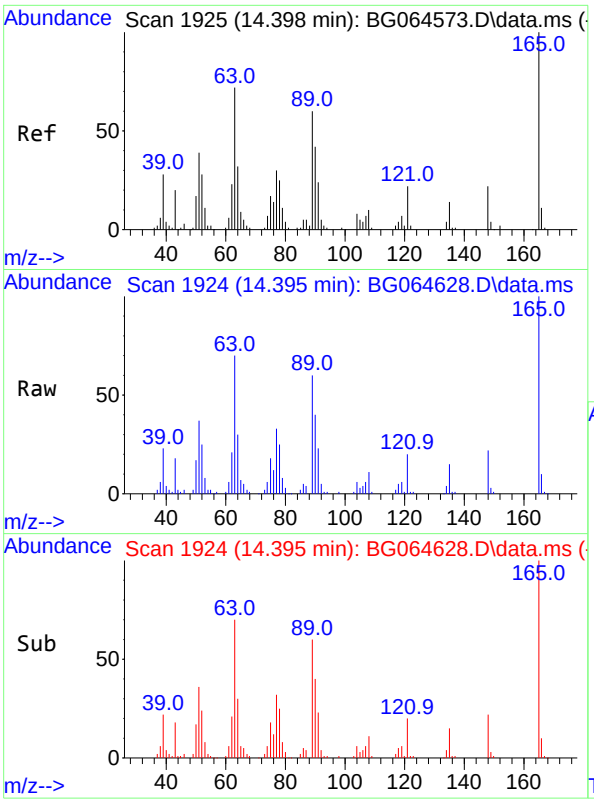


#50
Dimethylphthalate
Concen: 47.761 ng
RT: 14.284 min Scan# 1905
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:163 Resp: 347153

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	10.1	7.7	11.5



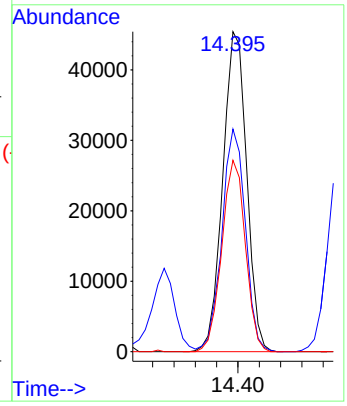


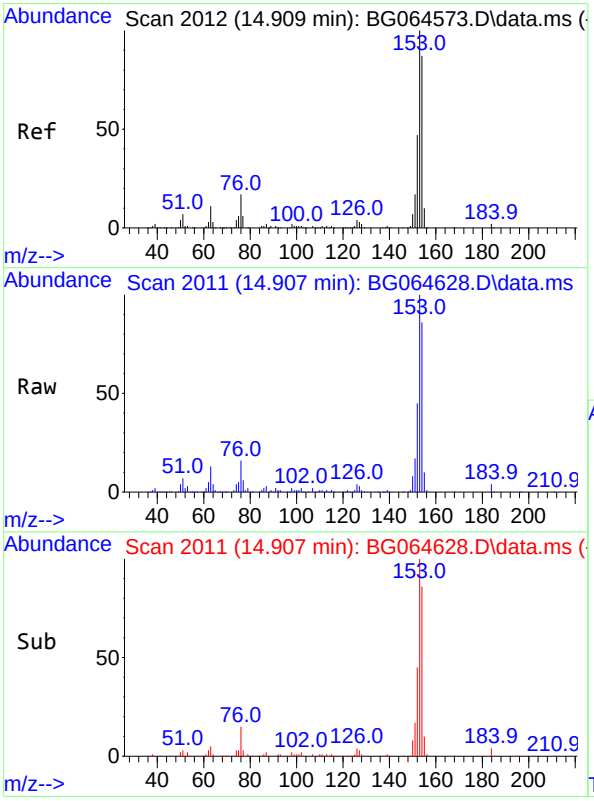
#51
2,6-Dinitrotoluene
Concen: 58.141 ng
RT: 14.395 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:165 Resp: 70596

Ion	Ratio	Lower	Upper
165	100		
63	69.6	57.4	86.0
89	59.8	47.8	71.8

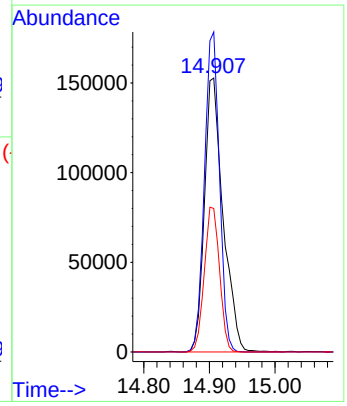


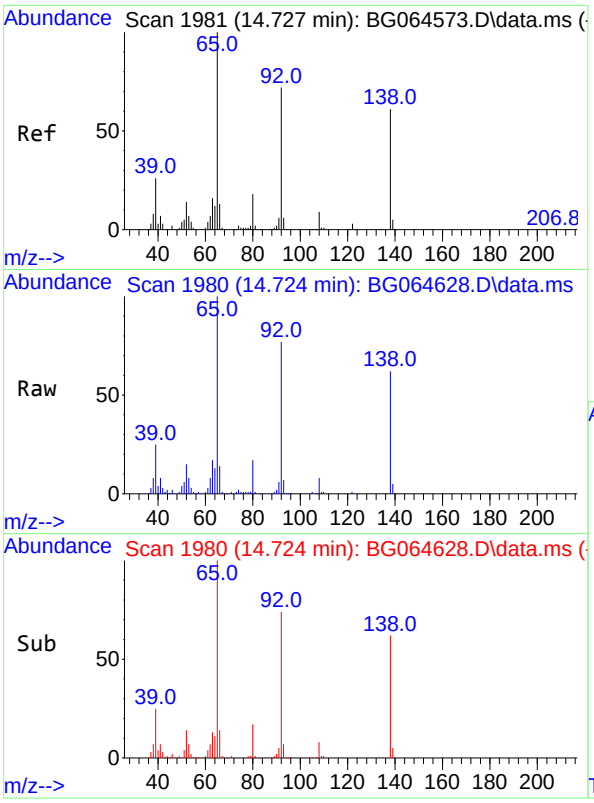


#52
Acenaphthene
Concen: 54.976 ng
RT: 14.907 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:154 Resp: 301997

Ion	Ratio	Lower	Upper
154	100		
153	116.8	92.2	138.4
152	52.4	43.2	64.8



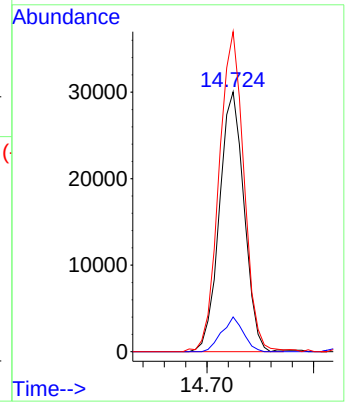


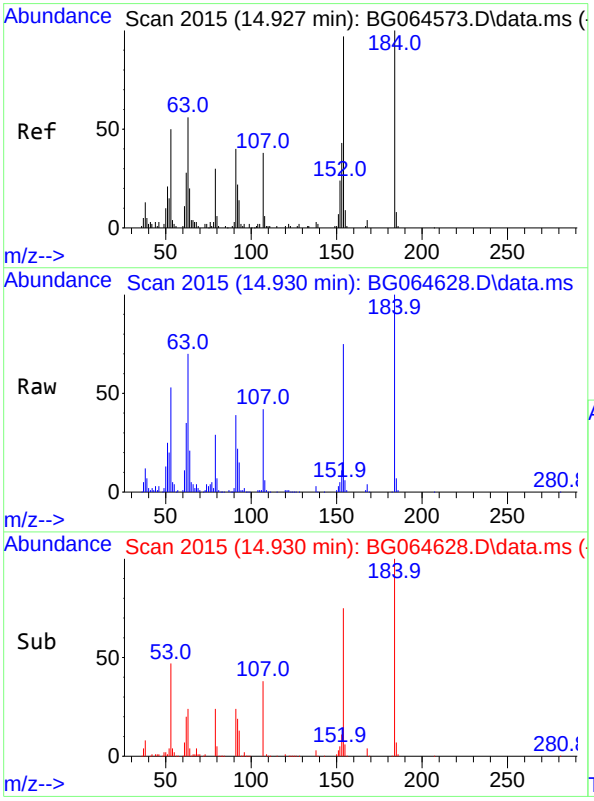
#53
3-Nitroaniline
Concen: 38.655 ng
RT: 14.724 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:138 Resp: 48285

Ion	Ratio	Lower	Upper
138	100		
108	13.4	11.4	17.0
92	123.2	95.3	142.9

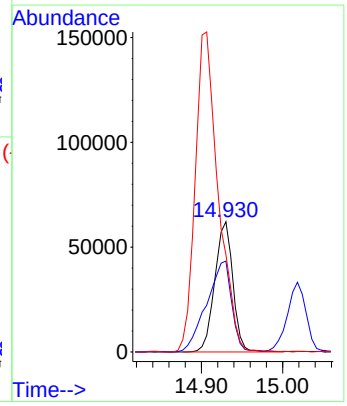


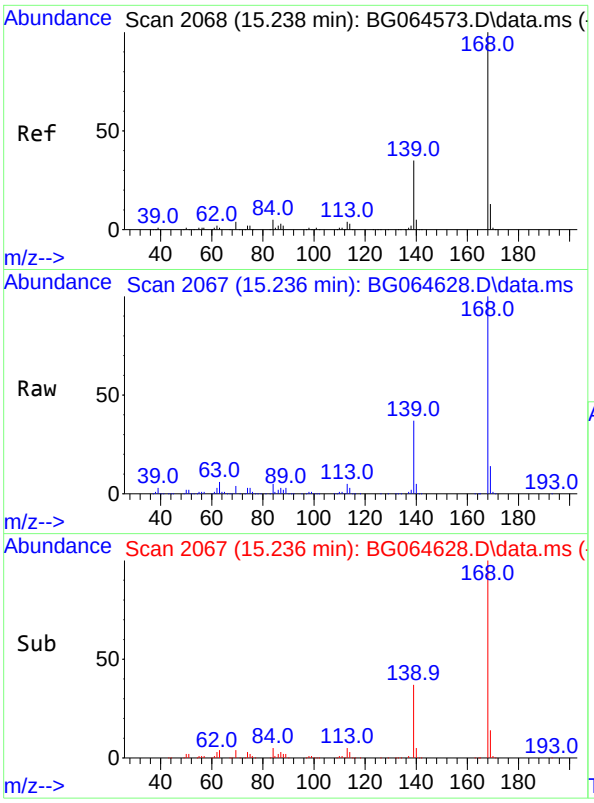


#54
2,4-Dinitrophenol
Concen: 127.399 ng
RT: 14.930 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:184 Resp: 96369

Ion	Ratio	Lower	Upper
184	100		
63	69.8	56.6	85.0
154	74.7	158.6	238.0#



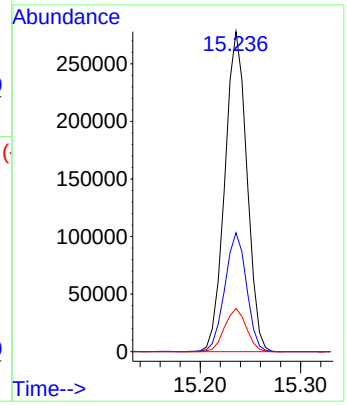


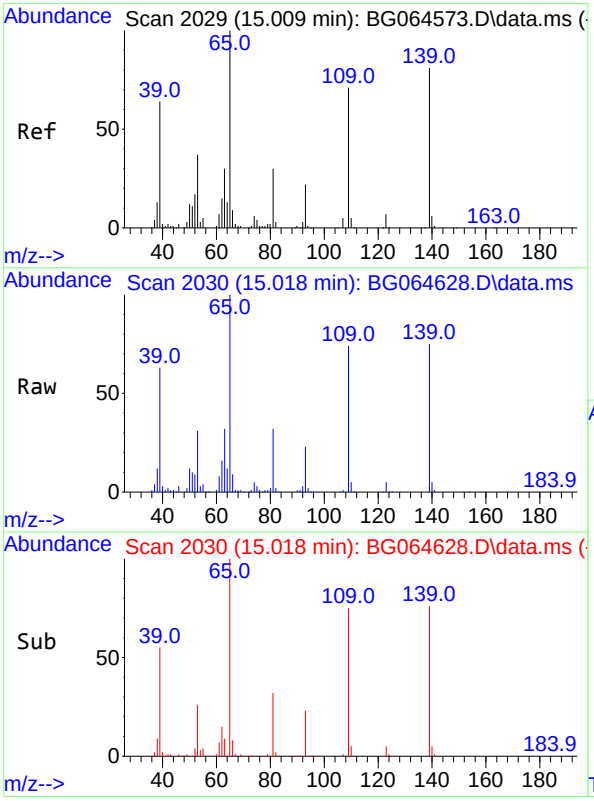
#55
Dibenzofuran
Concen: 47.718 ng
RT: 15.236 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:168 Resp: 423783

Ion	Ratio	Lower	Upper
168	100		
139	37.1	27.8	41.8
169	13.5	10.3	15.5

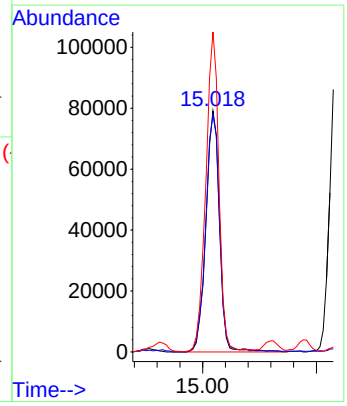


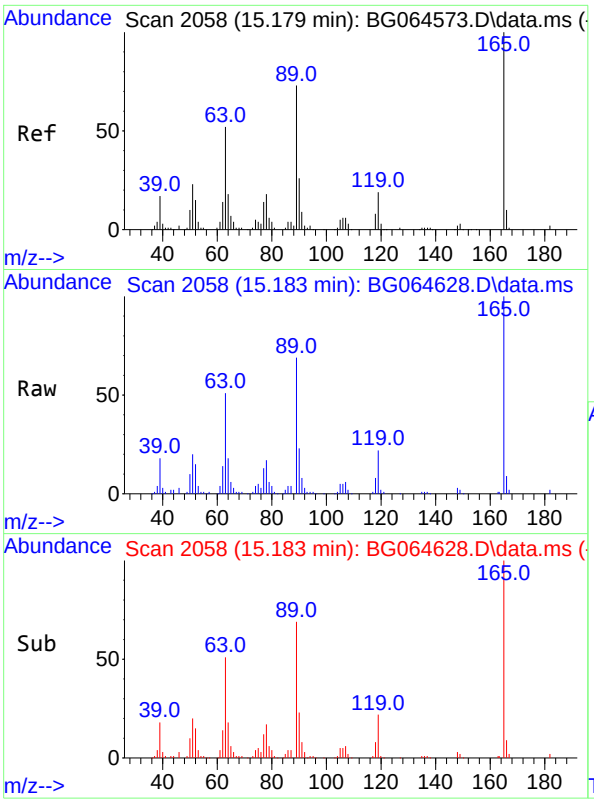


#56
4-Nitrophenol
Concen: 113.444 ng
RT: 15.018 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:139 Resp: 131383

Ion	Ratio	Lower	Upper
139	100		
109	98.3	67.8	107.8
65	132.7	103.7	143.7



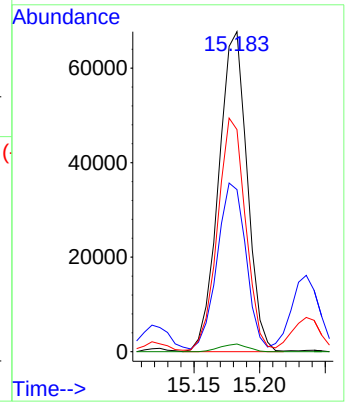


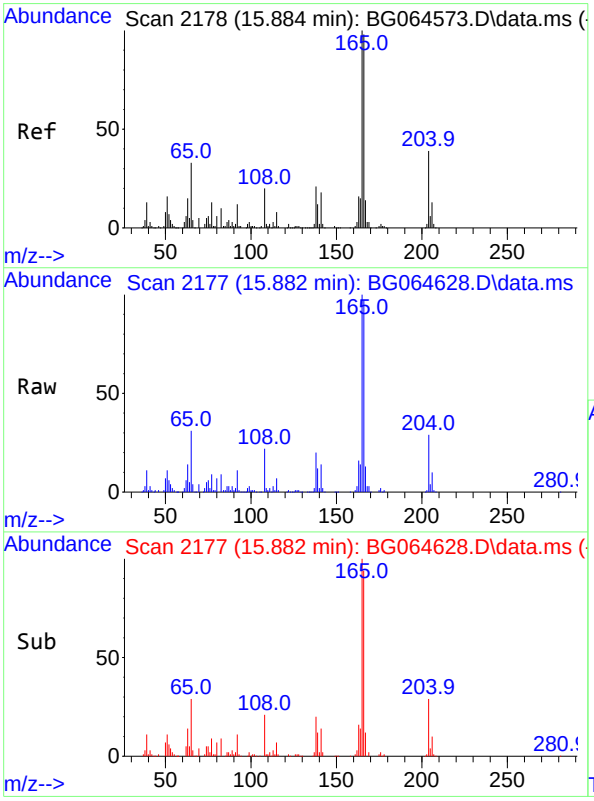
#57
2,4-Dinitrotoluene
Concen: 54.664 ng
RT: 15.183 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:165 Resp: 102203

Ion	Ratio	Lower	Upper
165	100		
63	50.7	41.8	62.8
89	69.4	58.1	87.1
182	2.4	1.4	2.0#

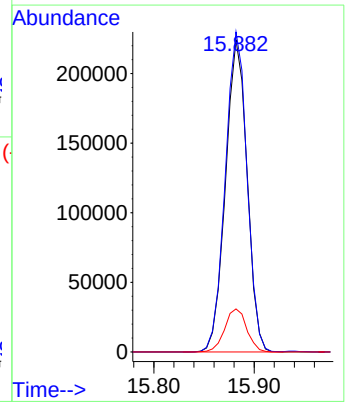


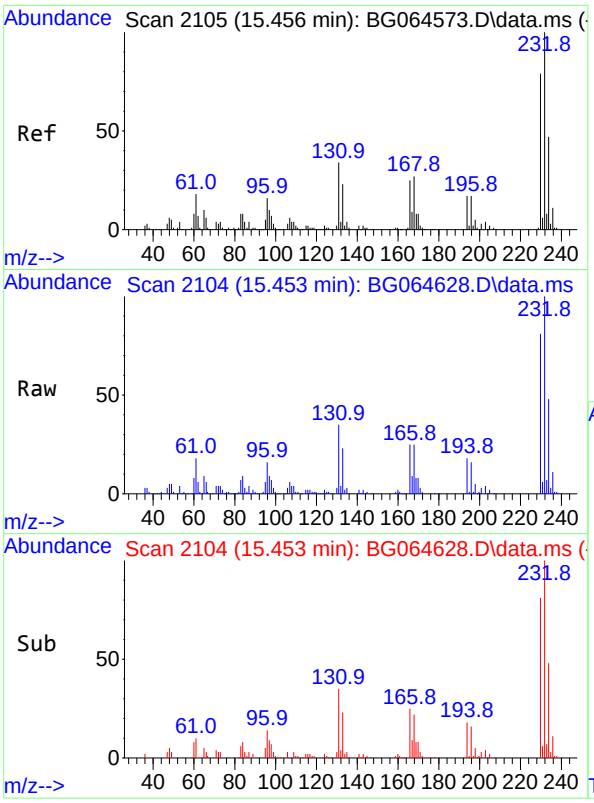


#58
Fluorene
Concen: 48.236 ng
RT: 15.882 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:166 Resp: 334548

Ion	Ratio	Lower	Upper
166	100		
165	102.6	81.5	122.3
167	13.8	11.4	17.0



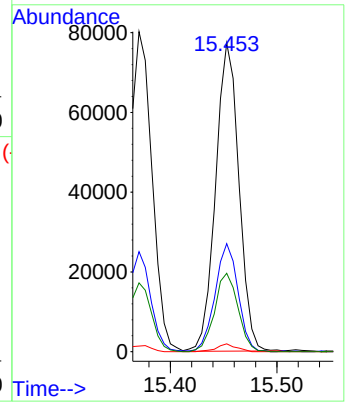


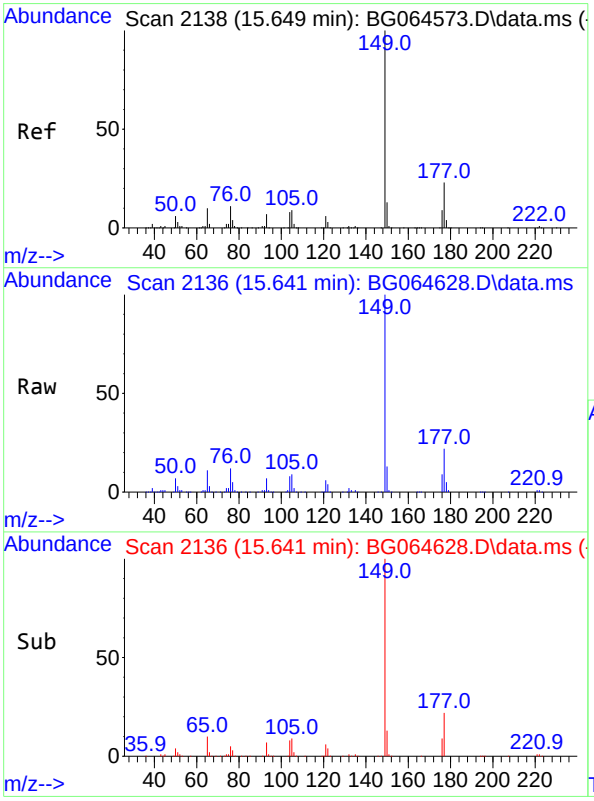
#59
2,3,4,6-Tetrachlorophenol
Concen: 58.261 ng
RT: 15.453 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:232 Resp: 117236

Ion	Ratio	Lower	Upper
232	100		
131	34.6	26.7	40.1
130	2.1	1.6	2.4
166	25.6	20.5	30.7

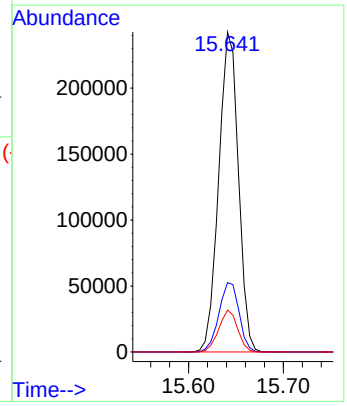


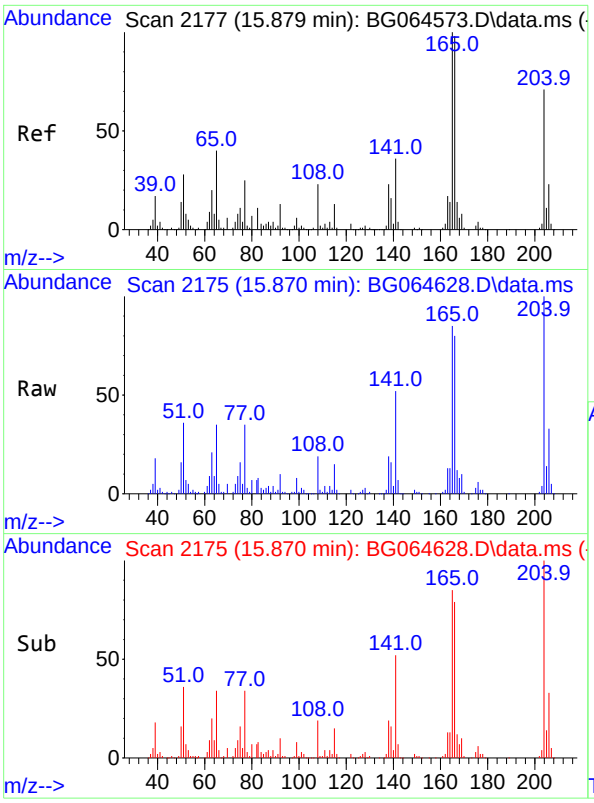


#60
Diethylphthalate
Concen: 47.184 ng
RT: 15.641 min Scan# 2136
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:149 Resp: 350180

Ion	Ratio	Lower	Upper
149	100		
177	21.7	18.0	27.0
150	13.1	10.2	15.4



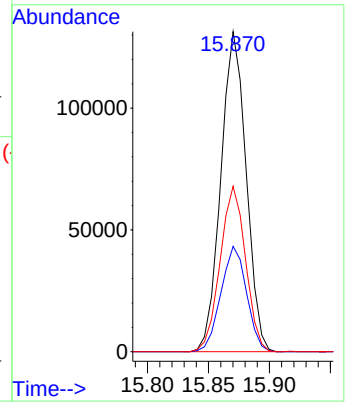


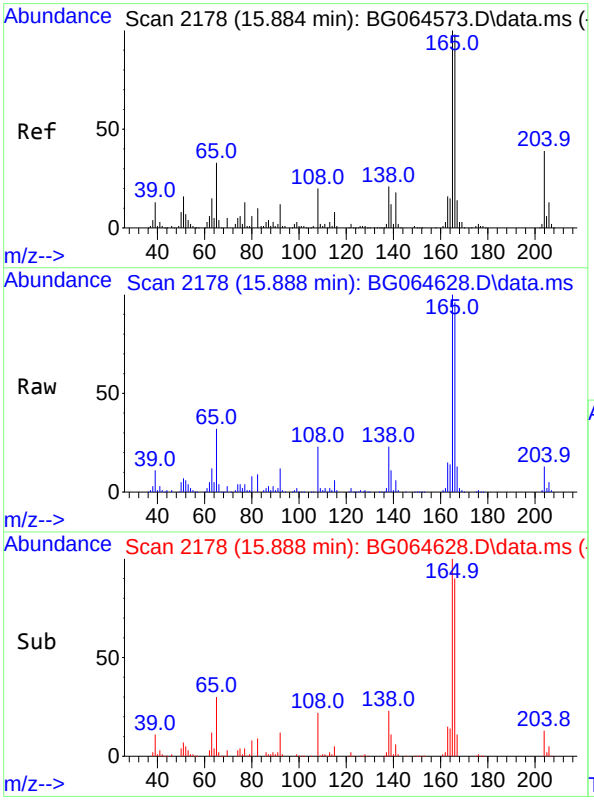
#61
4-Chlorophenyl-phenylether
Concen: 48.686 ng
RT: 15.870 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:204 Resp: 189500

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.6	38.4
141	51.7	40.6	60.8

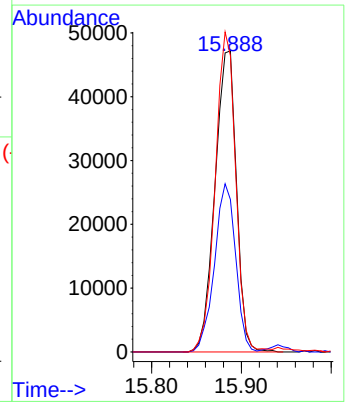


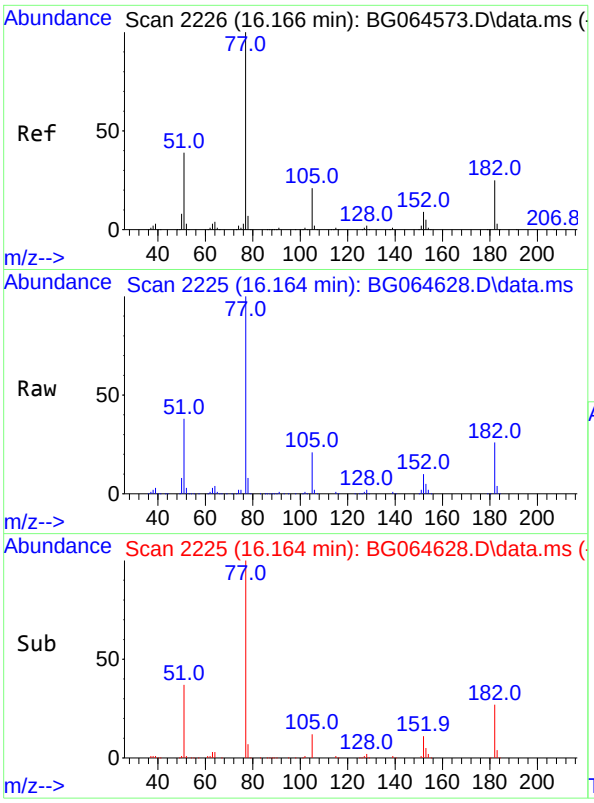


#62
4-Nitroaniline
Concen: 56.473 ng
RT: 15.888 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:138 Resp: 78479

Ion	Ratio	Lower	Upper
138	100		
92	50.6	36.1	76.1
108	98.4	75.6	115.6



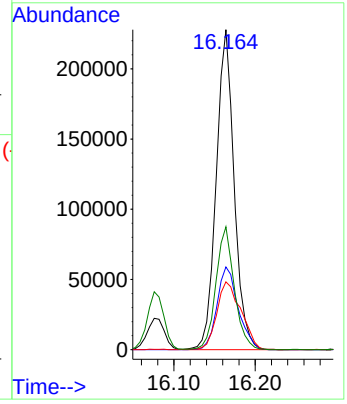


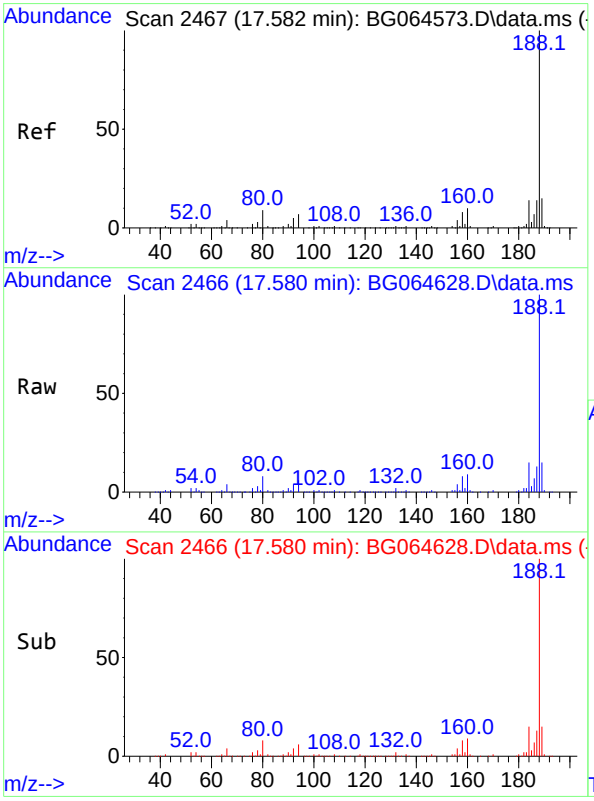
#63
Azobenzene
Concen: 51.319 ng
RT: 16.164 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion: 77 Resp: 349461

Ion	Ratio	Lower	Upper
77	100		
182	25.9	4.9	44.9
105	21.2	1.3	41.3
51	38.4	19.0	59.0

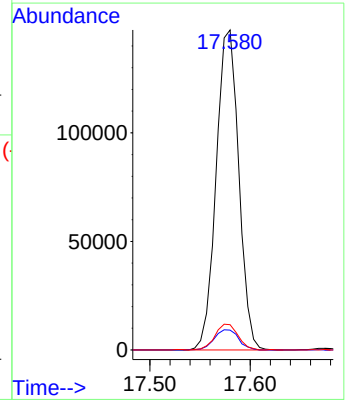


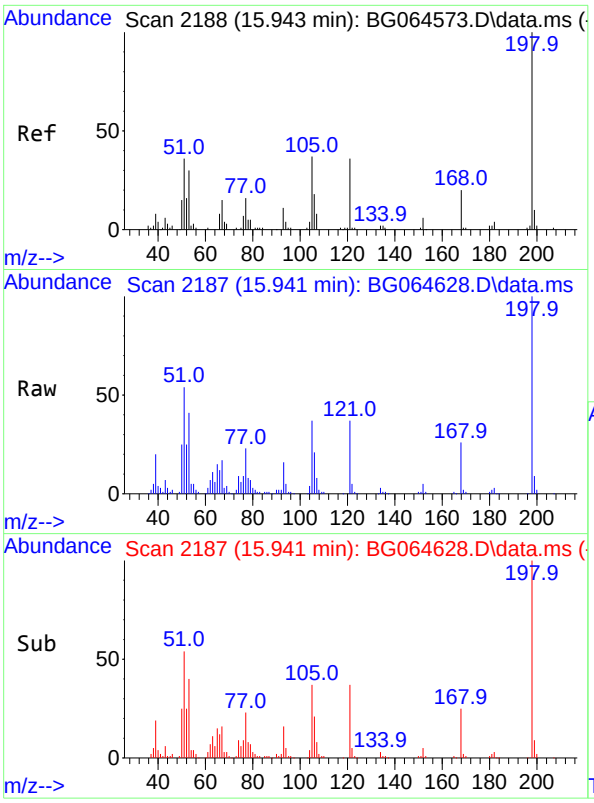


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2466
Delta R.T. -0.000 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:188 Resp: 230638

Ion	Ratio	Lower	Upper
188	100		
94	6.2	5.7	8.5
80	7.9	6.8	10.2



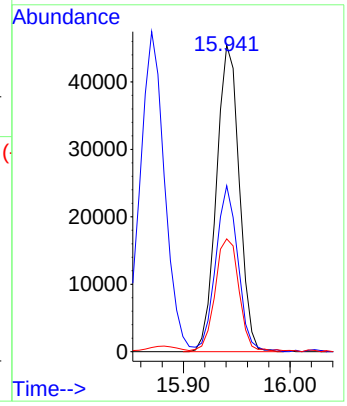


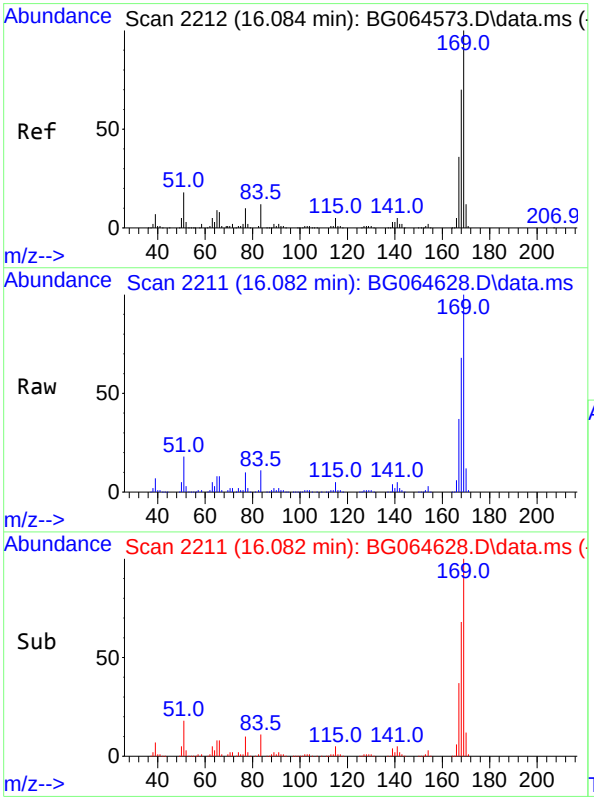
#65
4,6-Dinitro-2-methylphenol
Concen: 64.272 ng
RT: 15.941 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:198 Resp: 67333

Ion	Ratio	Lower	Upper
198	100		
51	54.1	24.7	64.7
105	36.8	18.0	58.0

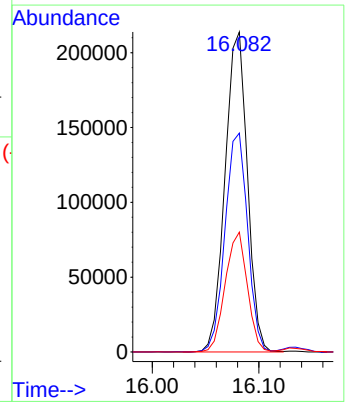


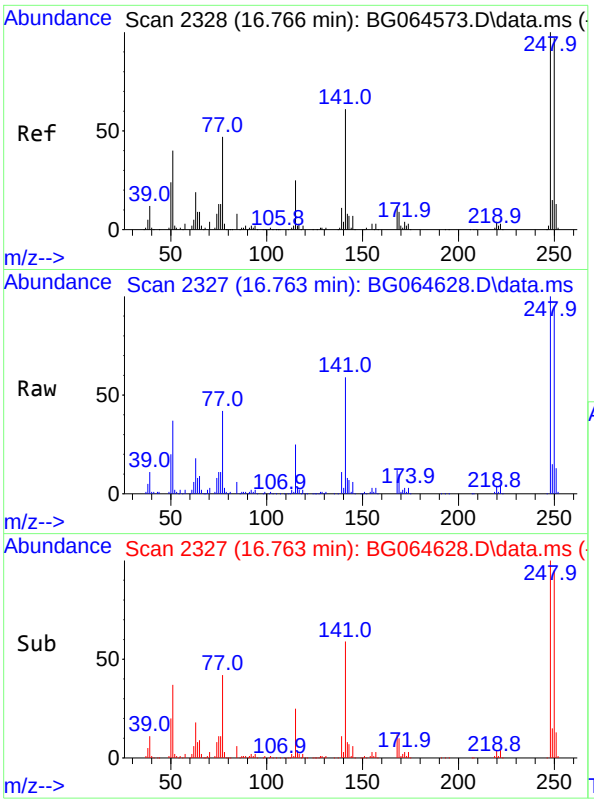


#66
n-Nitrosodiphenylamine
Concen: 49.959 ng
RT: 16.082 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:169 Resp: 311250

Ion	Ratio	Lower	Upper
169	100		
168	68.4	56.3	84.5
167	37.5	29.0	43.6



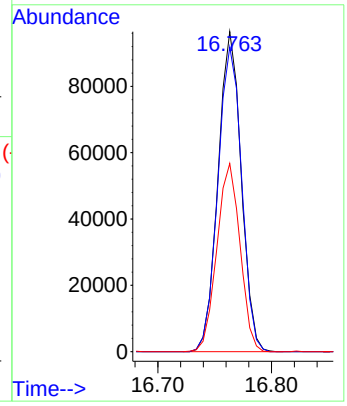


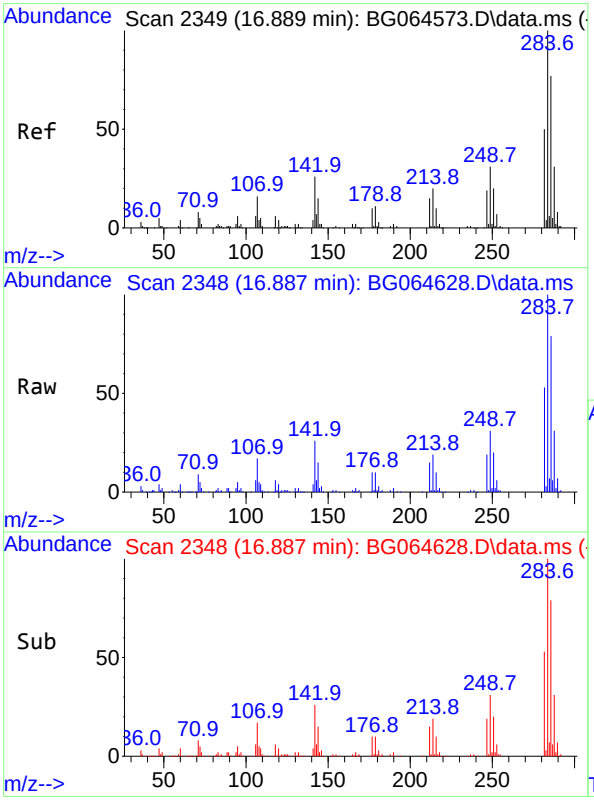
#67
4-Bromophenyl-phenylether
Concen: 49.838 ng
RT: 16.763 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:248 Resp: 136215

Ion	Ratio	Lower	Upper
248	100		
250	95.2	77.7	116.5
141	58.8	48.6	72.8

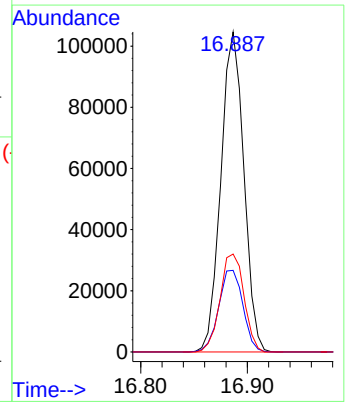


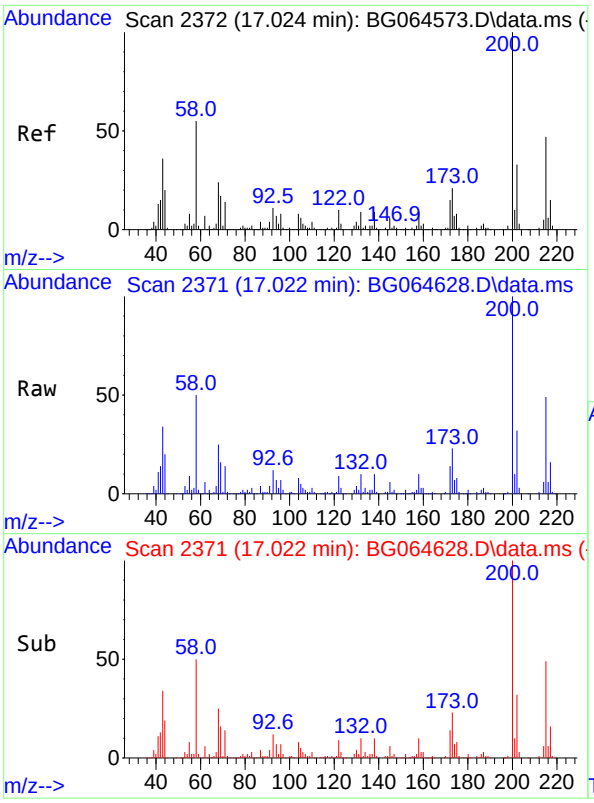


#68
Hexachlorobenzene
Concen: 50.163 ng
RT: 16.887 min Scan# 2348
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:284 Resp: 156412

Ion	Ratio	Lower	Upper
284	100		
142	25.5	21.0	31.6
249	30.6	24.9	37.3



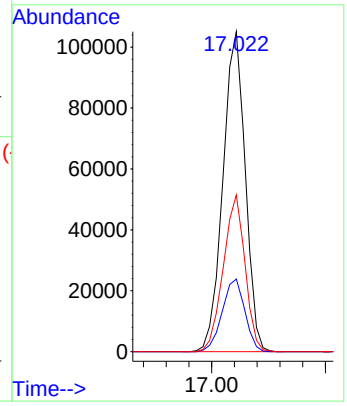


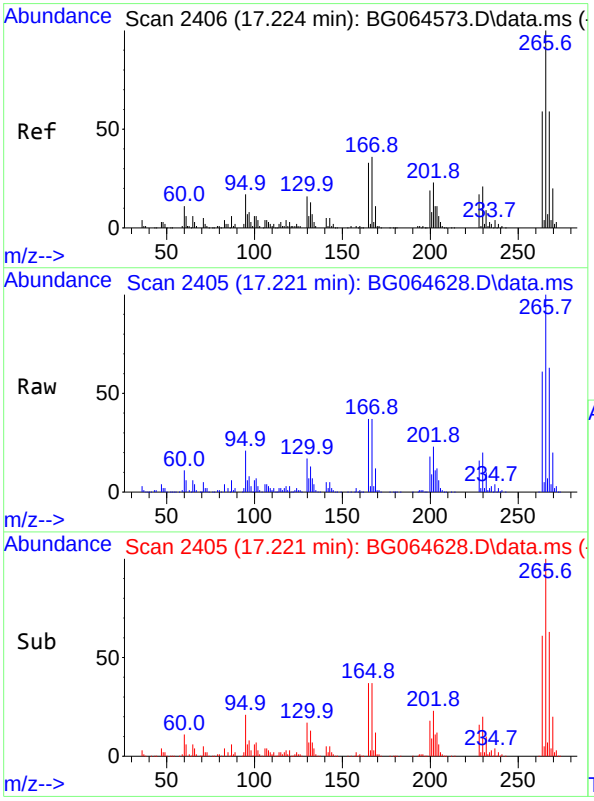
#69
Atrazine
Concen: 53.460 ng
RT: 17.022 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:200 Resp: 143329

Ion	Ratio	Lower	Upper
200	100		
173	22.7	0.9	40.9
215	49.0	27.0	67.0

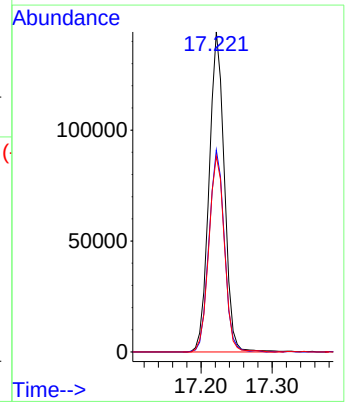


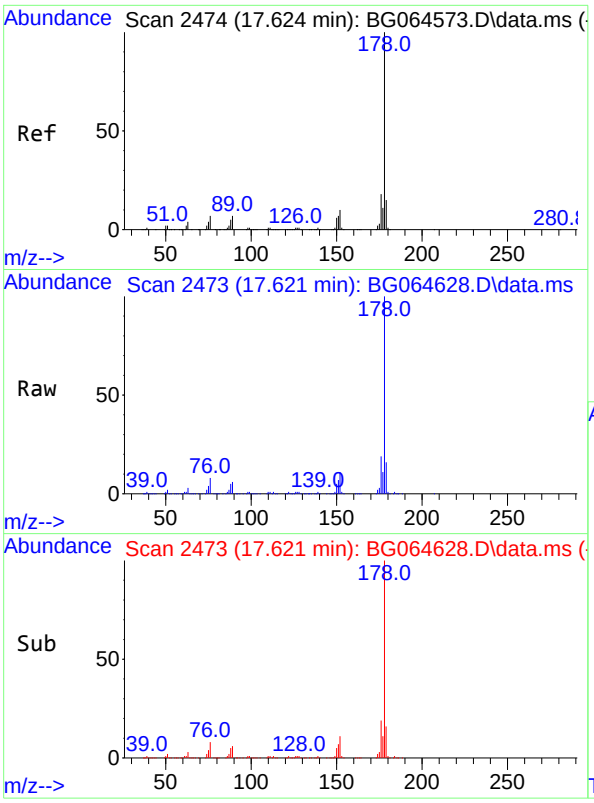


#70
Pentachlorophenol
Concen: 111.038 ng
RT: 17.221 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:266 Resp: 215900

Ion	Ratio	Lower	Upper
266	100		
268	67.4	50.3	75.5
264	61.2	47.3	70.9



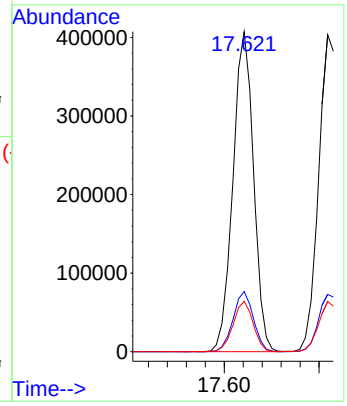


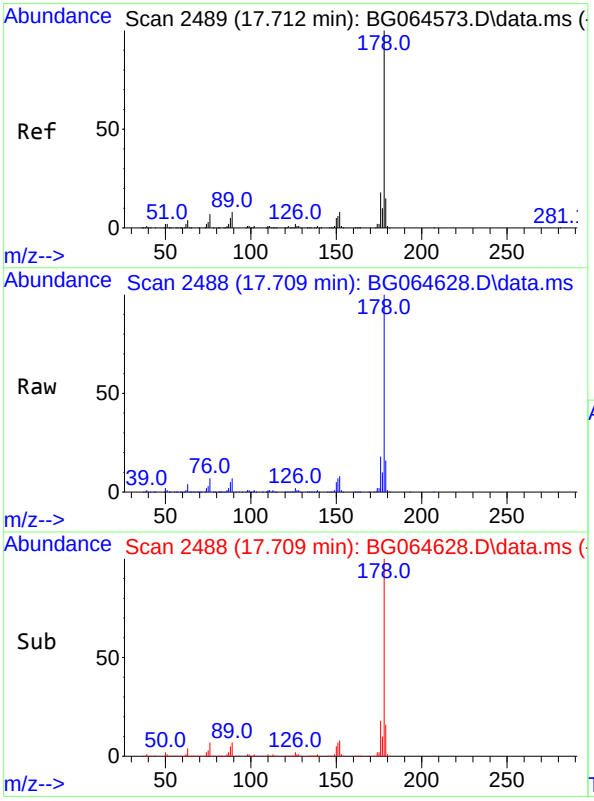
#71
Phenanthrene
Concen: 48.725 ng
RT: 17.621 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:178 Resp: 614558

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.7	22.1
179	15.8	12.2	18.4

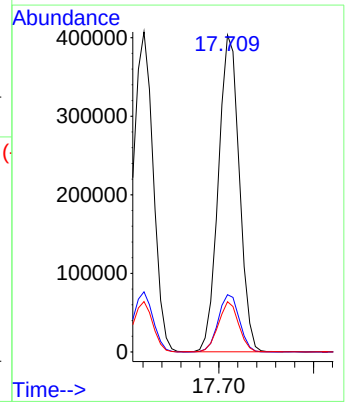


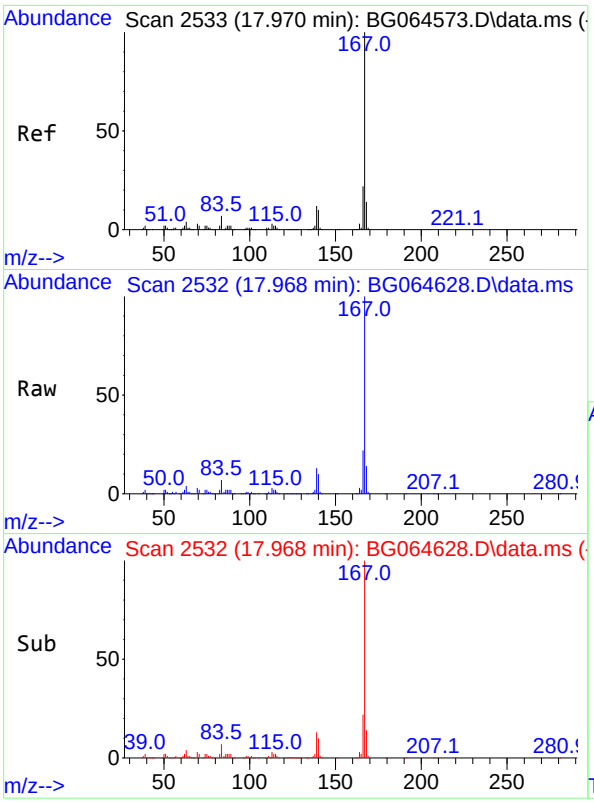


#72
Anthracene
Concen: 48.191 ng
RT: 17.709 min Scan# 2488
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:178 Resp: 618291

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.4	21.6
179	15.8	12.4	18.6



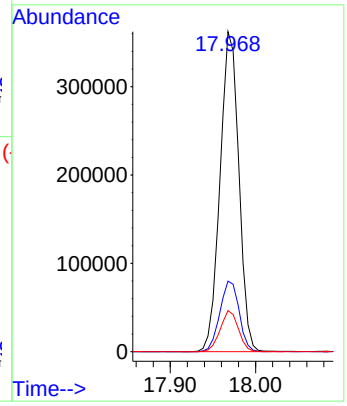


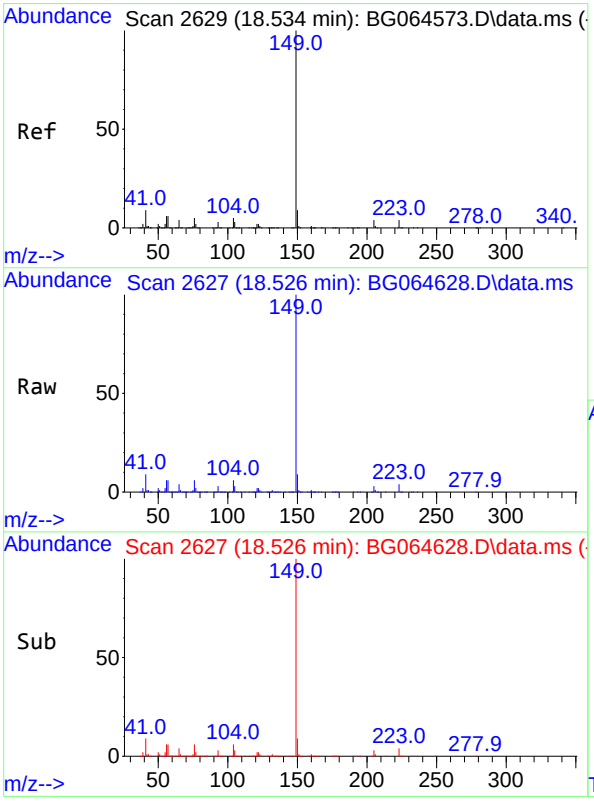
#73
Carbazole
Concen: 49.079 ng
RT: 17.968 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:167 Resp: 555268

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.9	26.9
139	12.8	9.7	14.5

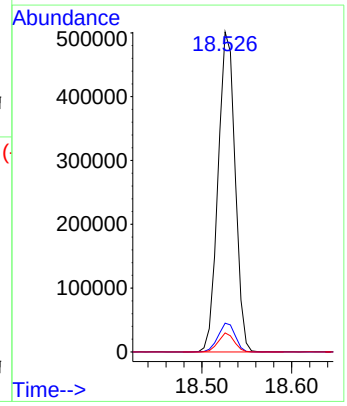


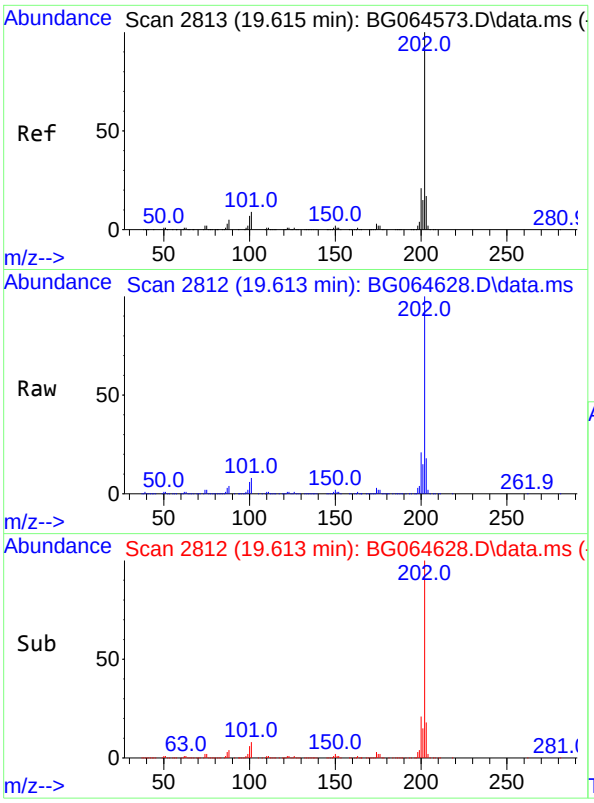


#74
Di-n-butylphthalate
Concen: 50.481 ng
RT: 18.526 min Scan# 2627
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:149 Resp: 660445

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	6.0	4.1	6.1



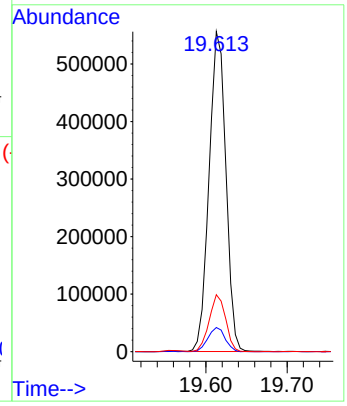


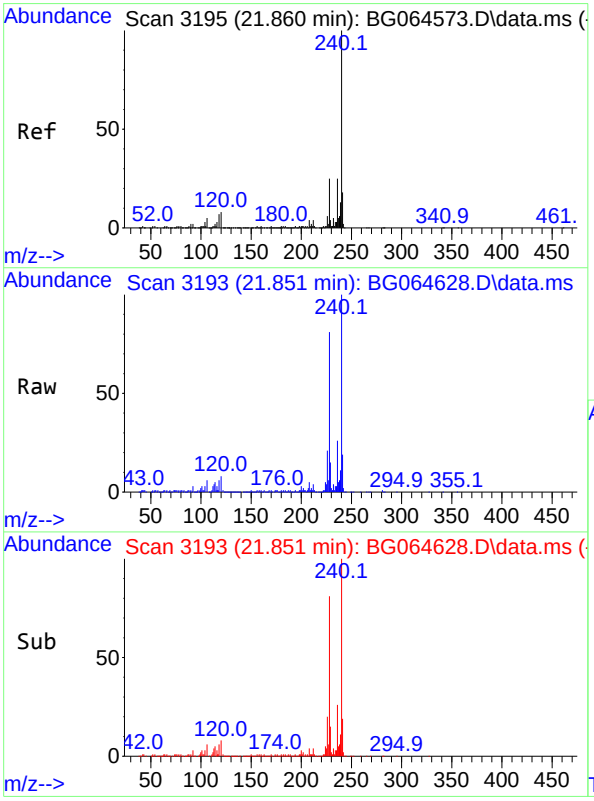
#75
Fluoranthene
Concen: 50.549 ng
RT: 19.613 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:202 Resp: 798695

Ion	Ratio	Lower	Upper
202	100		
101	7.5	0.0	28.7
203	17.8	0.0	37.0

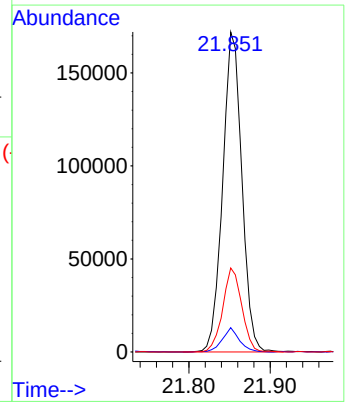


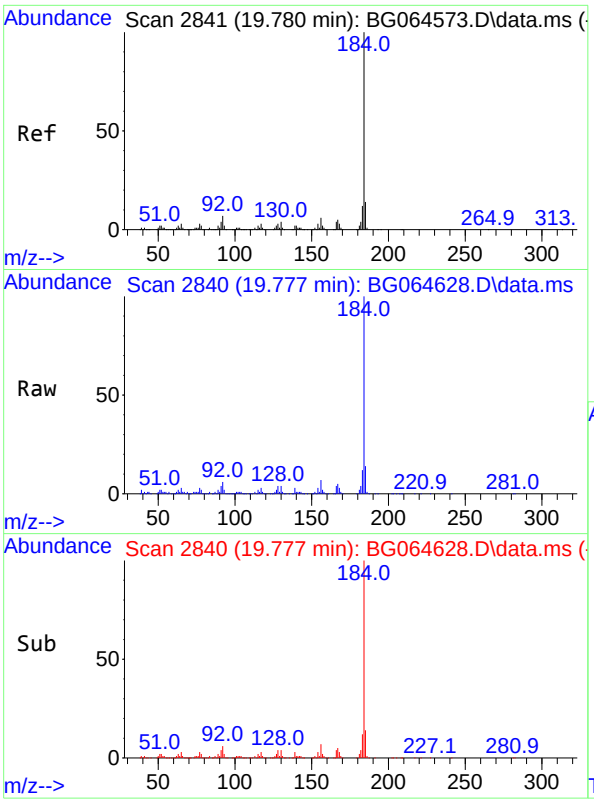


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.851 min Scan# 3193
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:240 Resp: 282250

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	26.3	20.2	30.2



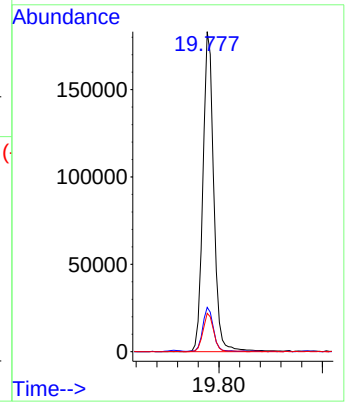


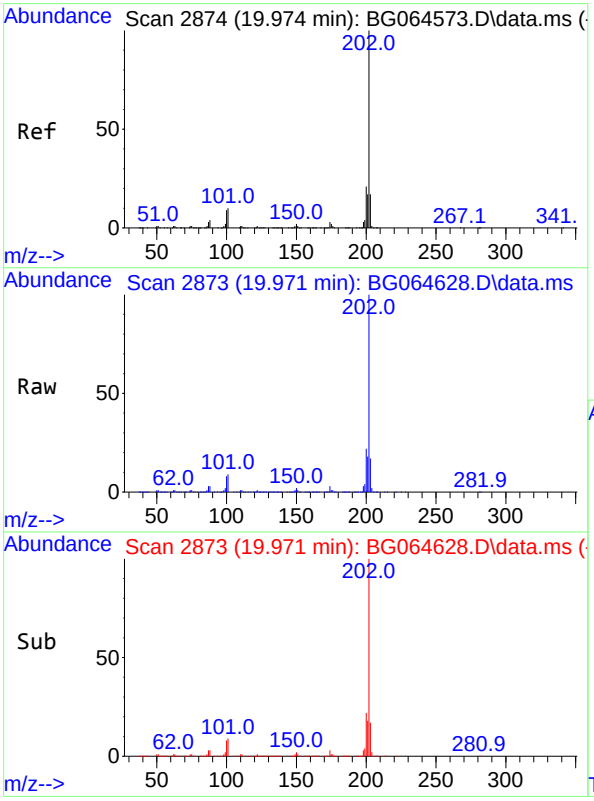
#77
Benzidine
Concen: 42.107 ng
RT: 19.777 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:184 Resp: 266267

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.4	17.2
183	12.0	9.4	14.2

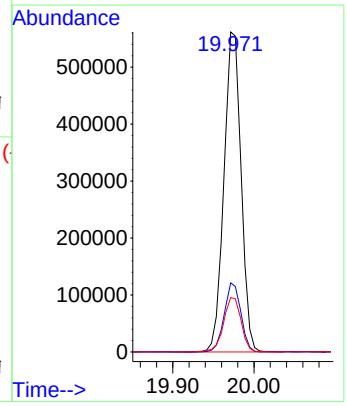


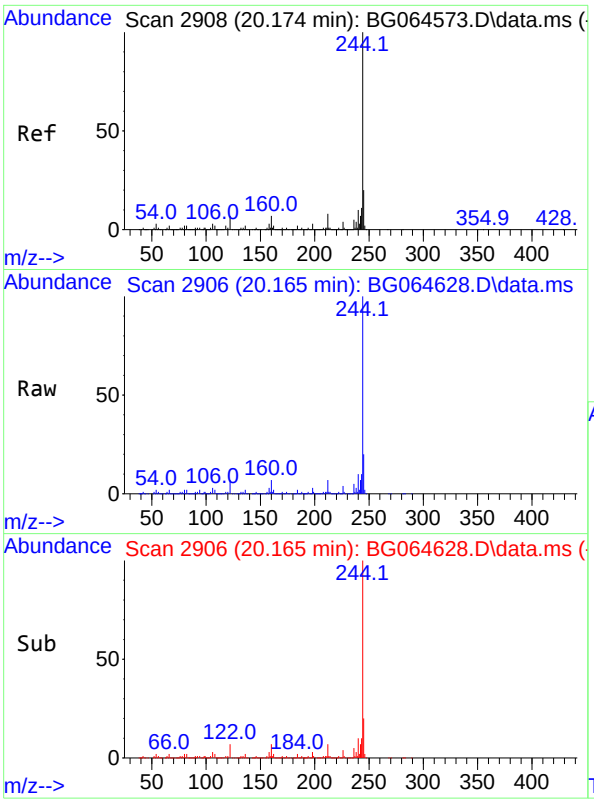


#78
Pyrene
Concen: 44.797 ng
RT: 19.971 min Scan# 2873
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:202 Resp: 826087

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	17.0	13.8	20.6



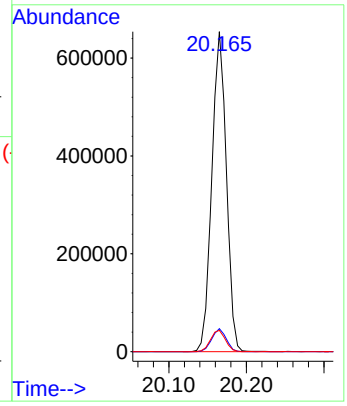


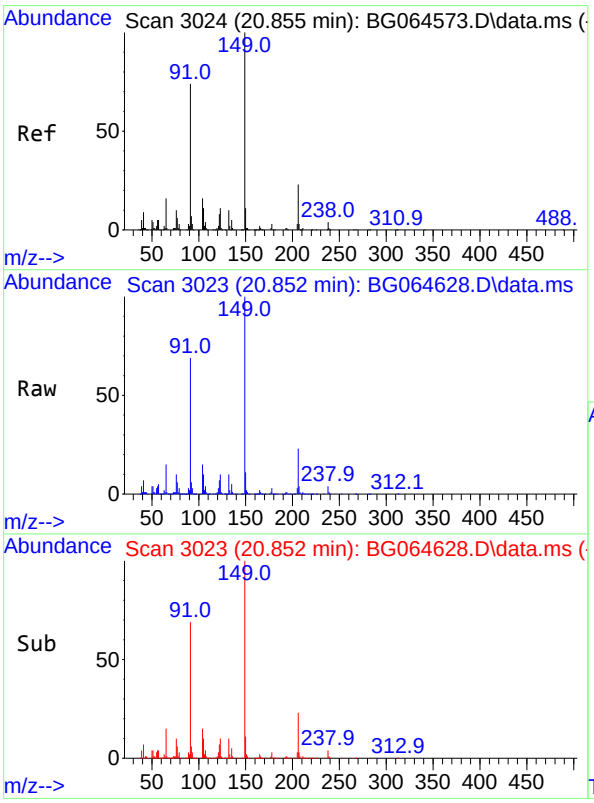
#79
Terphenyl-d14
Concen: 57.063 ng
RT: 20.165 min Scan# 2
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:244 Resp: 853453

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	6.7	5.6	8.4

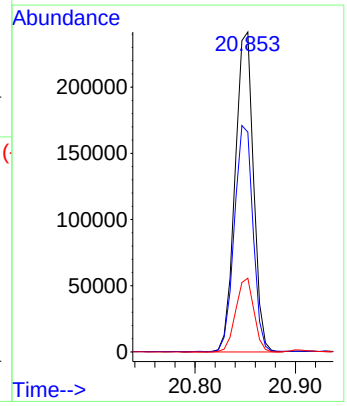


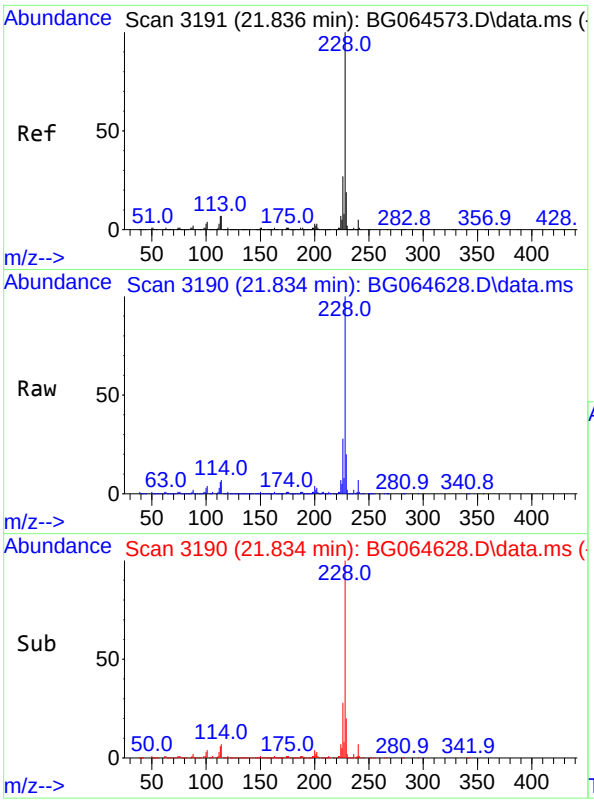


#80
Butylbenzylphthalate
Concen: 55.127 ng
RT: 20.852 min Scan# 3023
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:149 Resp: 307248

Ion	Ratio	Lower	Upper
149	100		
91	68.7	59.2	88.8
206	23.1	18.1	27.1



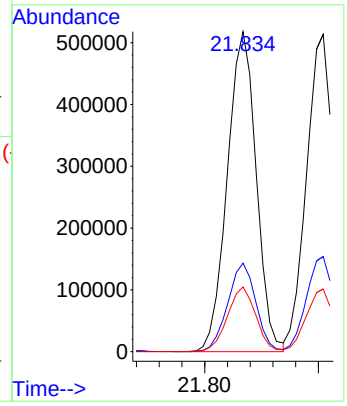


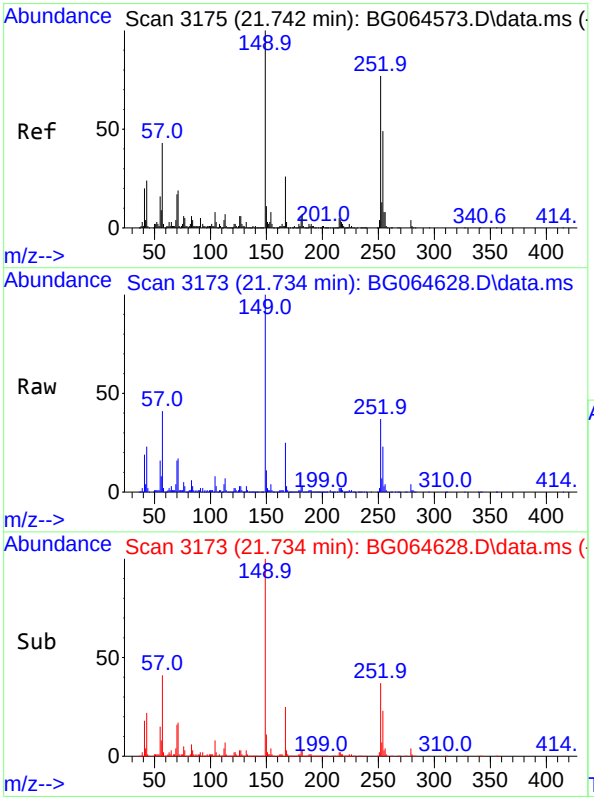
#81
Benzo(a)anthracene
Concen: 48.937 ng
RT: 21.834 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:228 Resp: 915839

Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.9	32.9
229	20.2	15.6	23.4

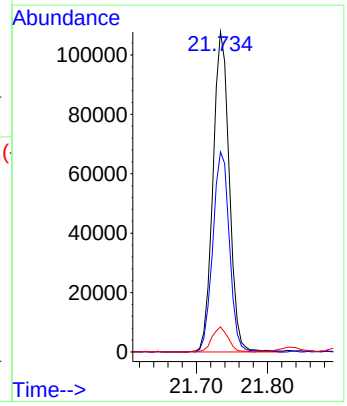


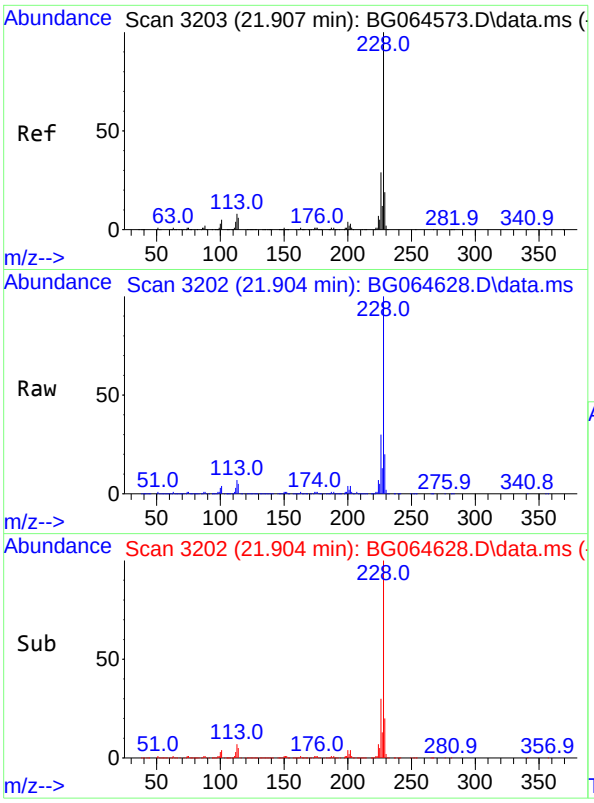


#82
3,3'-Dichlorobenzidine
Concen: 27.527 ng
RT: 21.734 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:252 Resp: 172028

Ion	Ratio	Lower	Upper
252	100		
254	62.5	50.8	76.2
126	7.8	5.8	8.6



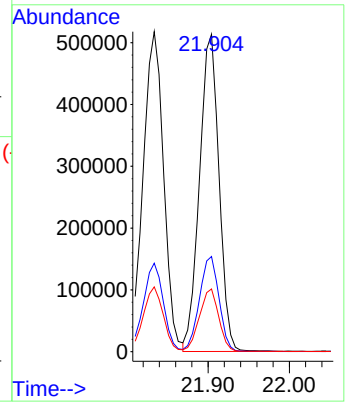


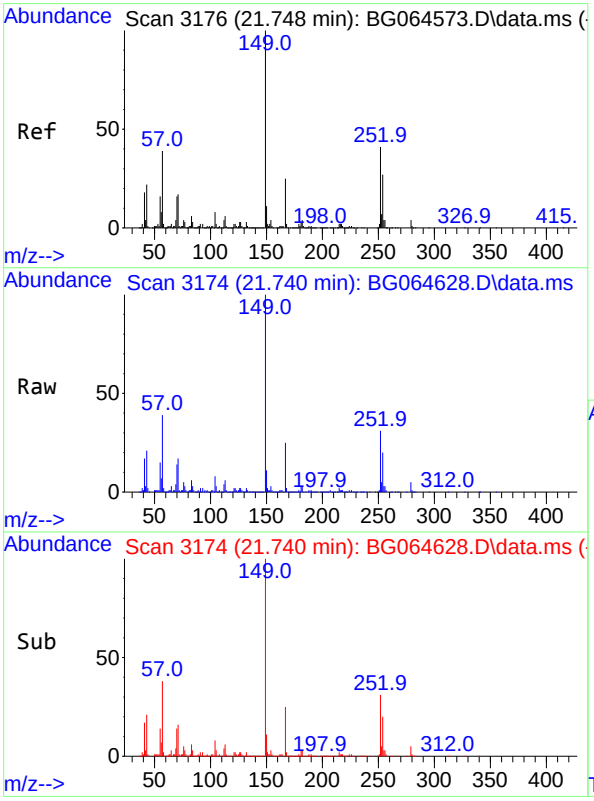
#83
Chrysene
Concen: 48.119 ng
RT: 21.904 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:228 Resp: 856872

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.3	34.9
229	19.8	15.2	22.8

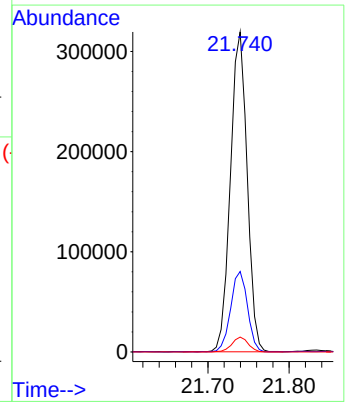


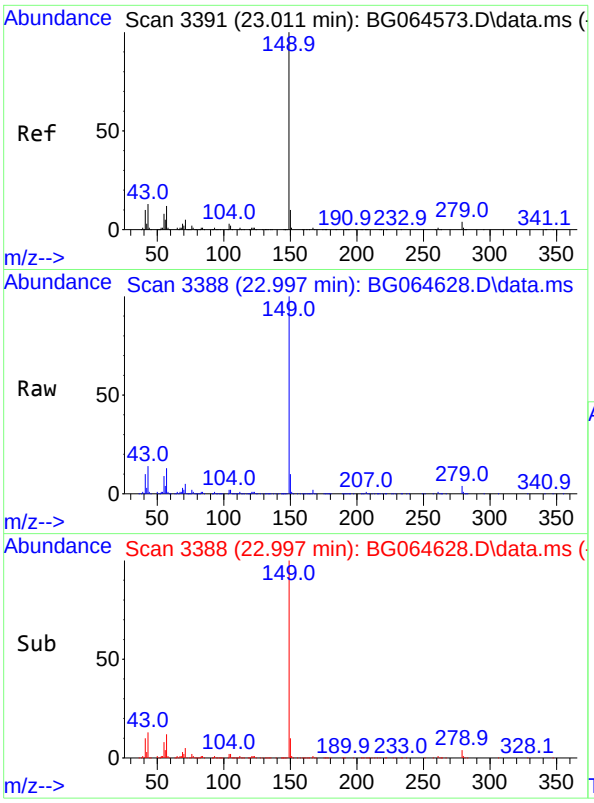


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.799 ng
RT: 21.740 min Scan# 3174
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:149 Resp: 456370

Ion	Ratio	Lower	Upper
149	100		
167	25.2	20.0	30.0
279	4.7	3.1	4.7



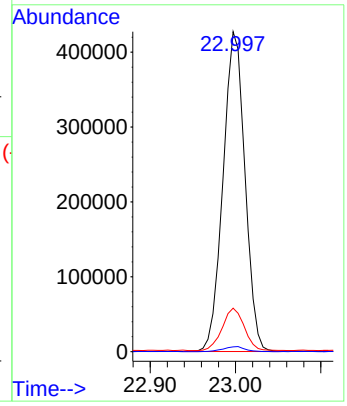


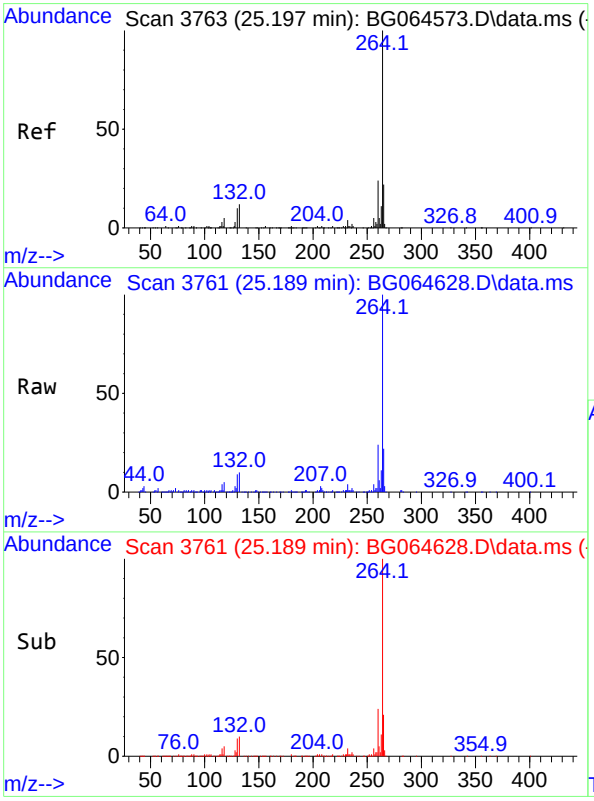
#85
Di-n-octyl phthalate
Concen: 54.307 ng
RT: 22.997 min Scan# 3
Delta R.T. -0.018 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:149 Resp: 762527

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.3	10.8	16.2

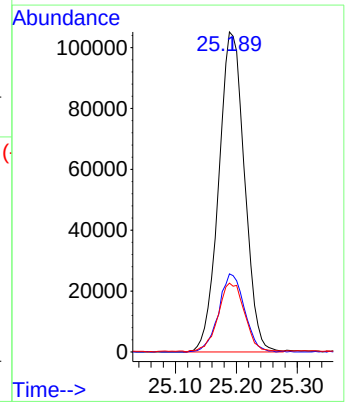


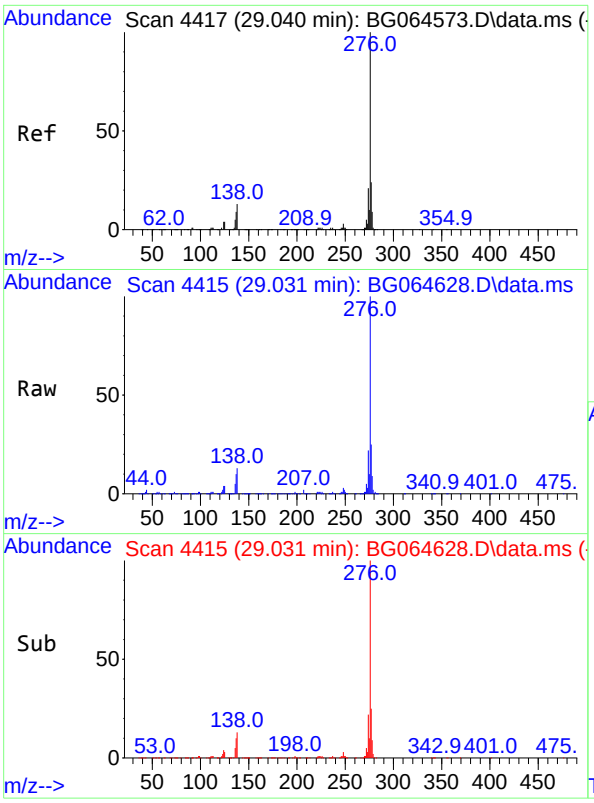


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.189 min Scan# 3761
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:264 Resp: 308600

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	21.5	17.6	26.4



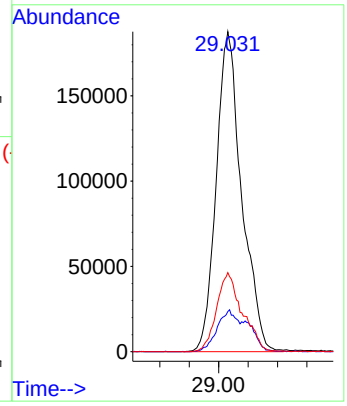


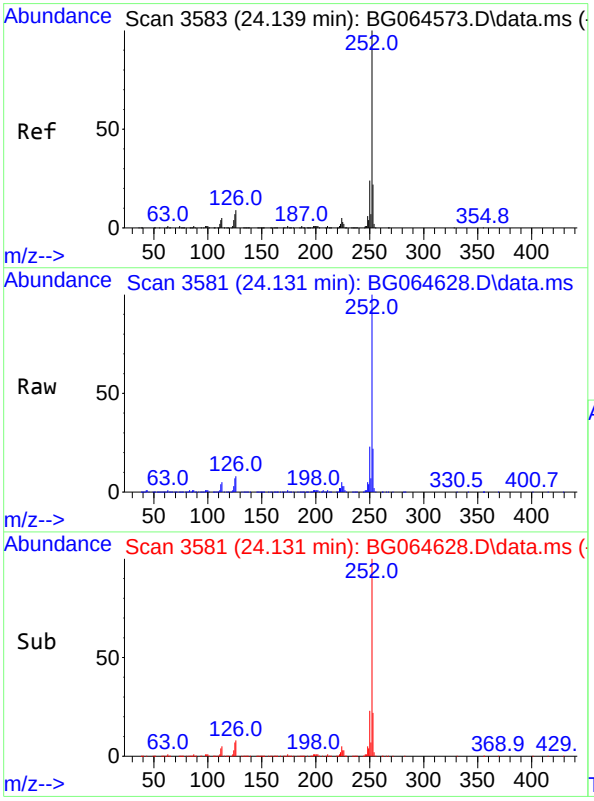
#87
Indeno(1,2,3-cd)pyrene
Concen: 49.546 ng
RT: 29.031 min Scan# 44
Delta R.T. -0.030 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:276 Resp: 1124787

Ion	Ratio	Lower	Upper
276	100		
138	10.3	10.8	16.2#
277	25.1	20.1	30.1

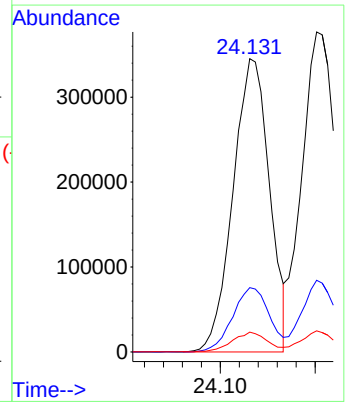


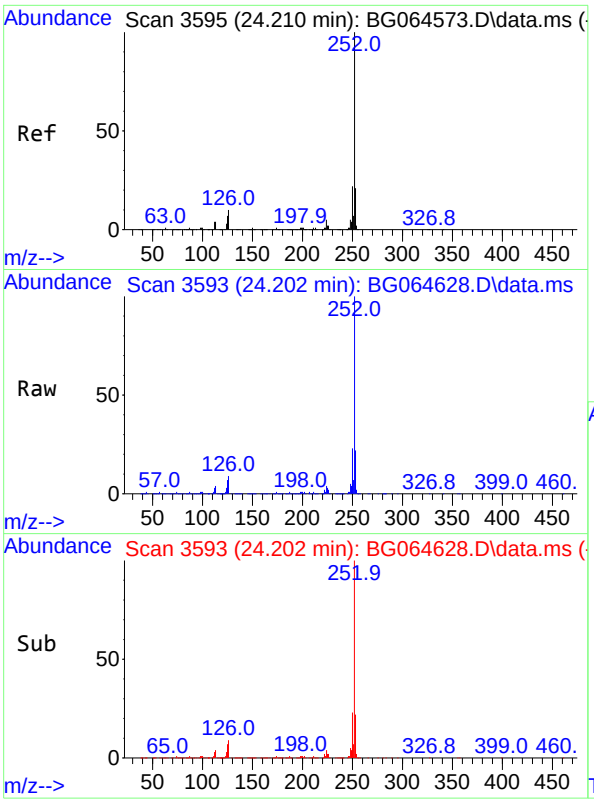


#88
Benzo(b)fluoranthene
Concen: 48.765 ng
RT: 24.131 min Scan# 3581
Delta R.T. -0.012 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:252 Resp: 922791

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	6.8	5.6	8.4



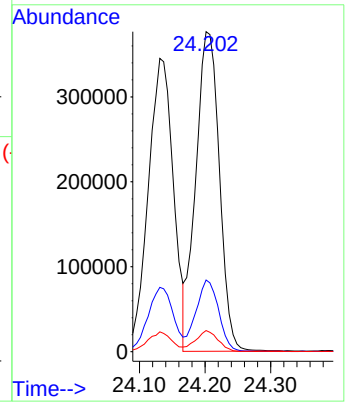


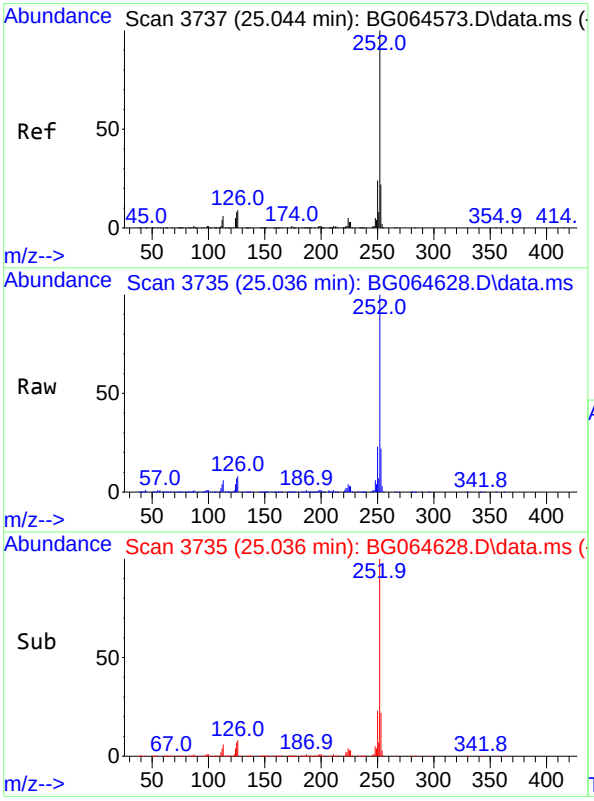
#89
Benzo(k)fluoranthene
Concen: 49.723 ng
RT: 24.202 min Scan# 3
Delta R.T. -0.018 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:252 Resp: 941575

Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.8	25.2
125	6.6	5.4	8.0

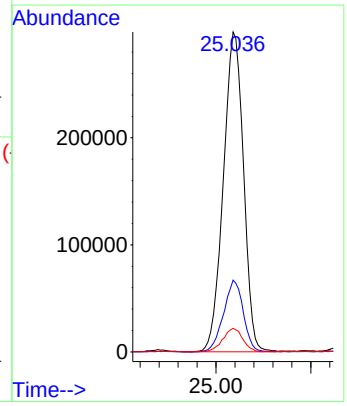


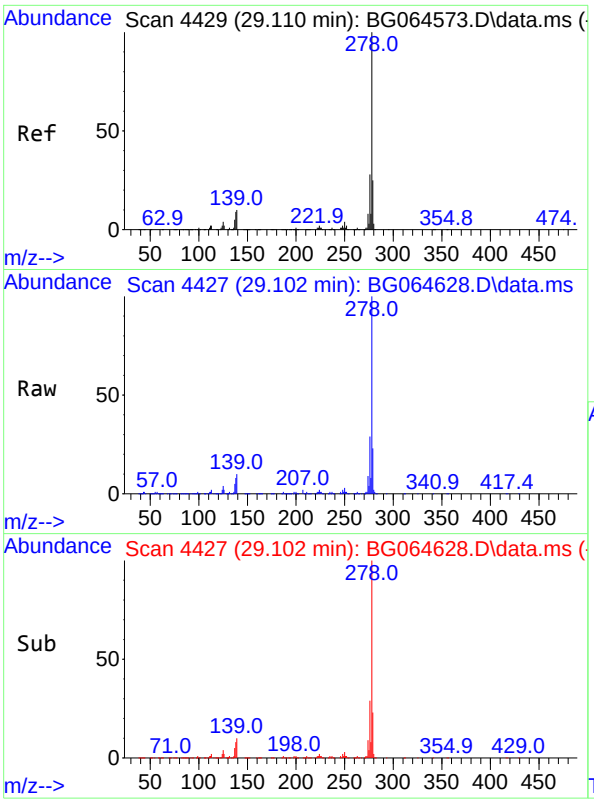


#90
Benzo(a)pyrene
Concen: 50.697 ng
RT: 25.036 min Scan# 3735
Delta R.T. -0.024 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:252 Resp: 881844

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	7.4	6.1	9.1



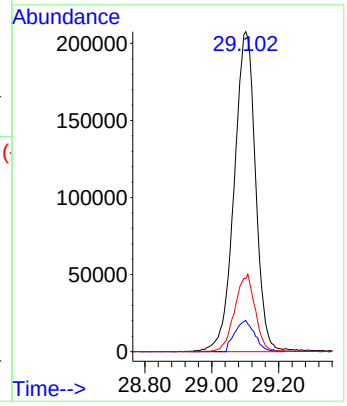


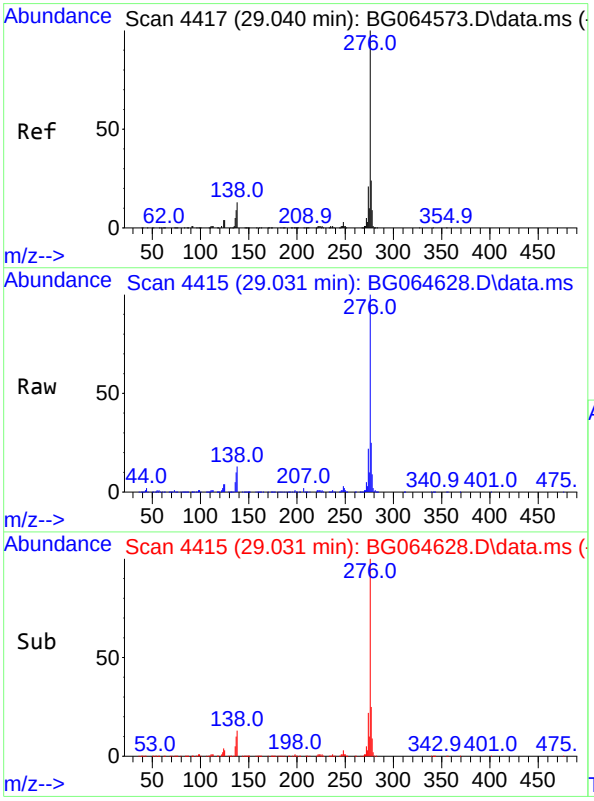
#91
Dibenzo(a,h)anthracene
Concen: 49.838 ng
RT: 29.102 min Scan# 44
Delta R.T. -0.036 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Instrument :
BNA_G
ClientSampleId :
PR-132-S16-015094-20251021MSD

Tgt Ion:278 Resp: 919177

Ion	Ratio	Lower	Upper
278	100		
139	9.8	8.0	12.0
279	22.8	19.8	29.6

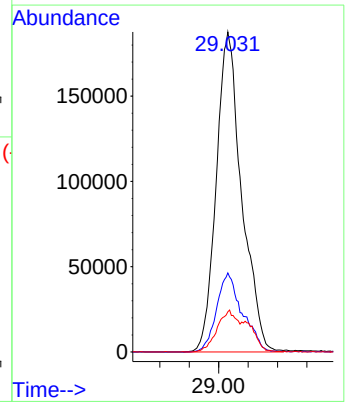




#92
Benzo(g,h,i)perylene
Concen: 49.546 ng
RT: 29.031 min Scan# 4415
Delta R.T. -0.030 min
Lab File: BG064628.D
Acq: 29 Oct 2025 18:15

Tgt Ion:276 Resp: 1124787

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.2	28.8
138	12.6	10.7	16.1



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Manual Integration Report

Sequence:	BG102425	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064570.D	1,4-Dichlorobenzene	rahul	10/27/2025 8:32:20 AM	Jagrut	10/27/2025 12:24:38 PM	Peak Integrated by Software
SSTDICC005	BG064570.D	1-Methylnaphthalene	rahul	10/27/2025 8:32:20 AM	Jagrut	10/27/2025 12:24:38 PM	Peak Integrated by Software
SSTDICC010	BG064571.D	Benzoic acid	rahul	10/27/2025 8:32:22 AM	Jagrut	10/27/2025 12:24:41 PM	Peak Integrated by Software
SSTDICC020	BG064572.D	Benzoic acid	rahul	10/27/2025 8:32:28 AM	Jagrut	10/27/2025 12:24:43 PM	Peak Integrated by Software
SSTDICCC040	BG064573.D	Benzoic acid	rahul	10/27/2025 8:33:01 AM	Jagrut	10/27/2025 12:24:45 PM	Peak Integrated by Software
SSTDICC060	BG064574.D	2,4-Dimethylphenol	rahul	10/27/2025 8:33:03 AM	Jagrut	10/27/2025 12:24:48 PM	Peak Integrated by Software
SSTDICC060	BG064574.D	Benzoic acid	rahul	10/27/2025 8:33:03 AM	Jagrut	10/27/2025 12:24:48 PM	Peak Integrated by Software
SSTDICC080	BG064575.D	2,4-Dimethylphenol	rahul	10/27/2025 8:33:07 AM	Jagrut	10/27/2025 12:24:52 PM	Peak Integrated by Software
SSTDICC080	BG064575.D	Benzoic acid	rahul	10/27/2025 8:33:07 AM	Jagrut	10/27/2025 12:24:52 PM	Peak Integrated by Software
SSTDICC050	BG064576.D	2,4-Dimethylphenol	rahul	10/27/2025 8:33:12 AM	Jagrut	10/27/2025 12:24:54 PM	Peak Integrated by Software
SSTDICC050	BG064576.D	Benzoic acid	rahul	10/27/2025 8:33:12 AM	Jagrut	10/27/2025 12:24:54 PM	Peak Integrated by Software
SSTDICV040	BG064577.D	2,4-Dimethylphenol	rahul	10/27/2025 8:33:16 AM	Jagrut	10/27/2025 12:24:56 PM	Peak Integrated by Software
SSTDICV040	BG064577.D	Benzoic acid	rahul	10/27/2025 8:33:16 AM	Jagrut	10/27/2025 12:24:56 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG102425	Instrument	BNA_g

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

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Manual Integration Report

Sequence:	BG102725	Instrument	BNA_g

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

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Manual Integration Report

Sequence:	BG102925	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170215BS	BG064622.D	Benzoic acid	rahul	10/30/2025 8:49:44 AM	Jagrut	10/30/2025 4:37:31 PM	Peak Integrated by Software
PB170215BS	BG064622.D	Caprolactam	rahul	10/30/2025 8:49:44 AM	Jagrut	10/30/2025 4:37:31 PM	Peak Integrated by Software
Q3419-02MS	BG064627.D	Caprolactam	rahul	10/30/2025 8:49:52 AM	Jagrut	10/30/2025 4:37:44 PM	Peak Integrated by Software
Q3419-03MSD	BG064628.D	Caprolactam	rahul	10/30/2025 8:49:55 AM	Jagrut	10/30/2025 4:37:46 PM	Peak Integrated by Software

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG102425

Review By	rahul	Review On	10/27/2025 10:16:00 AM		
Supervise By	Jagrut	Supervise On	10/27/2025 12:25:10 PM		
SubDirectory	BG102425	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064568.D	24 Oct 2025 8:20	RC/JU	Ok
2	SSTDICC2.5	BG064569.D	24 Oct 2025 9:00	RC/JU	Ok
3	SSTDICC005	BG064570.D	24 Oct 2025 9:41	RC/JU	Ok,M
4	SSTDICC010	BG064571.D	24 Oct 2025 11:02	RC/JU	Ok,M
5	SSTDICC020	BG064572.D	24 Oct 2025 12:23	RC/JU	Ok,M
6	SSTDICCC040	BG064573.D	24 Oct 2025 13:03	RC/JU	Ok,M
7	SSTDICC060	BG064574.D	24 Oct 2025 13:44	RC/JU	Ok,M
8	SSTDICC080	BG064575.D	24 Oct 2025 14:24	RC/JU	Ok,M
9	SSTDICC050	BG064576.D	24 Oct 2025 15:32	RC/JU	Ok,M
10	SSTDICV040	BG064577.D	24 Oct 2025 16:47	RC/JU	Ok,M
11	PB170222BL	BG064578.D	24 Oct 2025 17:28	RC/JU	Not Ok
12	Q3405-02	BG064579.D	24 Oct 2025 18:08	RC/JU	Ok
13	Q3405-03	BG064580.D	24 Oct 2025 18:49	RC/JU	Ok
14	Q3405-04	BG064581.D	24 Oct 2025 19:30	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG102725

Review By	rahul	Review On	10/28/2025 11:51:41 AM				
Supervise By	Jagrut	Supervise On	10/28/2025 3:56:19 PM				
SubDirectory	BG102725	HP Acquire Method	BNA_G		HP Processing Method	BG102425	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064582.D	27 Oct 2025 11:16	RC/JU	Ok
2	SSTDCCC040	BG064583.D	27 Oct 2025 11:57	RC/JU	Ok
3	PB170222BL	BG064584.D	27 Oct 2025 12:38	RC/JU	Ok
4	PB170222BS	BG064585.D	27 Oct 2025 13:19	RC/JU	Ok,M
5	PB170222BSD	BG064586.D	27 Oct 2025 14:00	RC/JU	Ok,M
6	PB170246BL	BG064587.D	27 Oct 2025 14:41	RC/JU	Ok
7	PB170246BS	BG064588.D	27 Oct 2025 15:22	RC/JU	Ok,M
8	Q3439-01	BG064589.D	27 Oct 2025 16:03	RC/JU	Ok
9	Q3439-05	BG064590.D	27 Oct 2025 16:44	RC/JU	Ok
10	Q3439-05MS	BG064591.D	27 Oct 2025 17:25	RC/JU	Ok,M
11	Q3439-05MSD	BG064592.D	27 Oct 2025 18:06	RC/JU	Ok,M
12	Q3400-01	BG064593.D	27 Oct 2025 18:47	RC/JU	Ok
13	Q3451-01	BG064594.D	27 Oct 2025 19:28	RC/JU	Ok
14	Q3451-01MS	BG064595.D	27 Oct 2025 20:09	RC/JU	Ok,M
15	Q3451-01MSD	BG064596.D	27 Oct 2025 20:50	RC/JU	Ok,M
16	Q3422-01	BG064597.D	27 Oct 2025 21:31	RC/JU	Ok
17	SSTDCCC040	BG064598.D	27 Oct 2025 22:11	RC/JU	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG102925

Review By	rahul	Review On	10/30/2025 8:51:46 AM				
Supervise By	Jagrut	Supervise On	10/30/2025 4:39:08 PM				
SubDirectory	BG102925	HP Acquire Method	BNA_G		HP Processing Method	BG102425	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064617.D	29 Oct 2025 10:41	RC/JU	Ok
2	SSTDCCC040	BG064618.D	29 Oct 2025 11:22	RC/JU	Ok
3	PB170285BL	BG064619.D	29 Oct 2025 12:03	RC/JU	Ok
4	PB170285BS	BG064620.D	29 Oct 2025 12:44	RC/JU	Ok,M
5	PB170215BL	BG064621.D	29 Oct 2025 13:25	RC/JU	Ok
6	PB170215BS	BG064622.D	29 Oct 2025 14:06	RC/JU	Ok,M
7	Q3477-01	BG064623.D	29 Oct 2025 14:50	RC/JU	Ok
8	Q3477-01MS	BG064624.D	29 Oct 2025 15:31	RC/JU	Ok,M
9	Q3477-01MSD	BG064625.D	29 Oct 2025 16:12	RC/JU	Ok,M
10	Q3419-01	BG064626.D	29 Oct 2025 16:53	RC/JU	Ok
11	Q3419-02MS	BG064627.D	29 Oct 2025 17:34	RC/JU	Ok,M
12	Q3419-03MSD	BG064628.D	29 Oct 2025 18:15	RC/JU	Ok,M
13	Q3468-01	BG064629.D	29 Oct 2025 18:56	RC/JU	Ok,M
14	Q3468-02	BG064630.D	29 Oct 2025 19:37	RC/JU	Ok,M
15	Q3468-03	BG064631.D	29 Oct 2025 20:18	RC/JU	Ok
16	Q3468-04	BG064632.D	29 Oct 2025 20:59	RC/JU	Ok
17	Q3468-05	BG064633.D	29 Oct 2025 21:40	RC/JU	Ok
18	Q3468-06	BG064634.D	29 Oct 2025 22:21	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG102425

Review By	rahul	Review On	10/27/2025 10:16:00 AM		
Supervise By	Jagrut	Supervise On	10/27/2025 12:25:10 PM		
SubDirectory	BG102425	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064568.D	24 Oct 2025 8:20		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064569.D	24 Oct 2025 9:00		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064570.D	24 Oct 2025 9:41		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064571.D	24 Oct 2025 11:02		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064572.D	24 Oct 2025 12:23		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064573.D	24 Oct 2025 13:03	Compound #26,32,48,51,54,57,65 are kept on LR	RC/JU	Ok,M
7	SSTDICC060	SSTDICC060	BG064574.D	24 Oct 2025 13:44		RC/JU	Ok,M
8	SSTDICC080	SSTDICC080	BG064575.D	24 Oct 2025 14:24		RC/JU	Ok,M
9	SSTDICC050	SSTDICC050	BG064576.D	24 Oct 2025 15:32		RC/JU	Ok,M
10	SSTDICV040	ICVBG102425	BG064577.D	24 Oct 2025 16:47	compound #77 failed in the ICV.	RC/JU	Ok,M
11	PB170222BL	PB170222BL	BG064578.D	24 Oct 2025 17:28	Analyzed for contamination check	RC/JU	Not Ok
12	Q3405-02	PAD-10-20-25-B	BG064579.D	24 Oct 2025 18:08		RC/JU	Ok
13	Q3405-03	PAD-10-20-25-C	BG064580.D	24 Oct 2025 18:49		RC/JU	Ok
14	Q3405-04	SW-10-20-25	BG064581.D	24 Oct 2025 19:30		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG102725

Review By	rahul	Review On	10/28/2025 11:51:41 AM		
Supervise By	Jagrut	Supervise On	10/28/2025 3:56:19 PM		
SubDirectory	BG102725	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064582.D	27 Oct 2025 11:16		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064583.D	27 Oct 2025 11:57		RC/JU	Ok
3	PB170222BL	PB170222BL	BG064584.D	27 Oct 2025 12:38		RC/JU	Ok
4	PB170222BS	PB170222BS	BG064585.D	27 Oct 2025 13:19		RC/JU	Ok,M
5	PB170222BSD	PB170222BSD	BG064586.D	27 Oct 2025 14:00		RC/JU	Ok,M
6	PB170246BL	PB170246BL	BG064587.D	27 Oct 2025 14:41		RC/JU	Ok
7	PB170246BS	PB170246BS	BG064588.D	27 Oct 2025 15:22		RC/JU	Ok,M
8	Q3439-01	TP-9	BG064589.D	27 Oct 2025 16:03		RC/JU	Ok
9	Q3439-05	TP-10	BG064590.D	27 Oct 2025 16:44		RC/JU	Ok
10	Q3439-05MS	TP-10MS	BG064591.D	27 Oct 2025 17:25		RC/JU	Ok,M
11	Q3439-05MSD	TP-10MSD	BG064592.D	27 Oct 2025 18:06		RC/JU	Ok,M
12	Q3400-01	FRAC-TANK-0760450	BG064593.D	27 Oct 2025 18:47	Analyzed again as DOD sample, Double Internal standard added	RC/JU	Ok
13	Q3451-01	TP-11	BG064594.D	27 Oct 2025 19:28		RC/JU	Ok
14	Q3451-01MS	TP-11MS	BG064595.D	27 Oct 2025 20:09		RC/JU	Ok,M
15	Q3451-01MSD	TP-11MSD	BG064596.D	27 Oct 2025 20:50		RC/JU	Ok,M
16	Q3422-01	PR132-S15-000008-20	BG064597.D	27 Oct 2025 21:31		RC/JU	Ok
17	SSTDCCC040	SSTDCCC040EC	BG064598.D	27 Oct 2025 22:11		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG102925

Review By	rahul	Review On	10/30/2025 8:51:46 AM		
Supervise By	Jagrut	Supervise On	10/30/2025 4:39:08 PM		
SubDirectory	BG102925	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064617.D	29 Oct 2025 10:41		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064618.D	29 Oct 2025 11:22		RC/JU	Ok
3	PB170285BL	PB170285BL	BG064619.D	29 Oct 2025 12:03		RC/JU	Ok
4	PB170285BS	PB170285BS	BG064620.D	29 Oct 2025 12:44		RC/JU	Ok,M
5	PB170215BL	PB170215BL	BG064621.D	29 Oct 2025 13:25		RC/JU	Ok
6	PB170215BS	PB170215BS	BG064622.D	29 Oct 2025 14:06		RC/JU	Ok,M
7	Q3477-01	SOUTH-MAHWAH-SOI	BG064623.D	29 Oct 2025 14:50		RC/JU	Ok
8	Q3477-01MS	SOUTH-MAHWAH-SOI	BG064624.D	29 Oct 2025 15:31		RC/JU	Ok,M
9	Q3477-01MSD	SOUTH-MAHWAH-SOI	BG064625.D	29 Oct 2025 16:12		RC/JU	Ok,M
10	Q3419-01	PR-132-S16-015094-2(	BG064626.D	29 Oct 2025 16:53		RC/JU	Ok
11	Q3419-02MS	PR-132-S16-015094-2(	BG064627.D	29 Oct 2025 17:34		RC/JU	Ok,M
12	Q3419-03MSD	PR-132-S16-015094-2(	BG064628.D	29 Oct 2025 18:15		RC/JU	Ok,M
13	Q3468-01	MW-06	BG064629.D	29 Oct 2025 18:56		RC/JU	Ok,M
14	Q3468-02	MW-08	BG064630.D	29 Oct 2025 19:37		RC/JU	Ok,M
15	Q3468-03	MW-10	BG064631.D	29 Oct 2025 20:18		RC/JU	Ok
16	Q3468-04	MW-11	BG064632.D	29 Oct 2025 20:59		RC/JU	Ok
17	Q3468-05	MW-13	BG064633.D	29 Oct 2025 21:40		RC/JU	Ok
18	Q3468-06	MW-12	BG064634.D	29 Oct 2025 22:21		RC/JU	Ok

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG102925

Review By	rahul	Review On	10/30/2025 8:51:46 AM		
Supervise By	Jagrut	Supervise On	10/30/2025 4:39:08 PM		
SubDirectory	BG102925	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 10/23/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:15
In Date: 10/22/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:15
Out Date: 10/23/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB137614

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
Q3419-01	PR-132-S16-015094-20251021	1	1.15	11.01	12.16	7.14	54.4	
Q3419-02	Q3419-01MS	2	1.15	11.01	12.16	7.14	54.4	
Q3419-03	Q3419-01MSD	3	1.15	11.01	12.16	7.14	54.4	
Q3419-04	PR-132-S16-119133-20251021	4	1.16	10.07	11.23	6.37	51.7	
Q3419-05	PR-132-S16-094119-20251021	5	1.19	11.07	12.26	6.38	46.9	
Q3422-01	PR132-S15-000008-20251017	6	1.18	11.02	12.2	7.58	58.1	
Q3424-01	PR132-DP3-20251021	7	1.15	10.36	11.51	5.91	45.9	
Q3424-02	PR132-S11-010080-20251021	8	1.12	10.72	11.84	6.49	50.1	
Q3424-03	PR132-S14-00094-20251021	9	1.14	11.34	12.48	6.82	50.1	
Q3427-01	TP-8	10	1.11	10.77	11.88	10.84	90.3	
Q3427-02	TP-8-EPH	11	1.18	10.97	12.15	10.98	89.3	
Q3427-03	TP-8-VOC	12	1.19	10.26	11.45	10.52	90.9	
Q3429-01	40309	13	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3429-02	40310	14	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3430-01	BUR-25-0095	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q3431-01	EO-02-10222025	16	1.11	10.55	11.66	10.64	90.3	
Q3431-02	EO-02-10222025-E2	17	1.17	10.59	11.76	10.59	89.0	
Q3434-01	PR132-WC1-20251022	18	1.13	10.43	11.56	7.17	57.9	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 137614

WorkList Name : %1-102225 **WorkList ID :** 192597 **Department :** Wet-Chemistry **Date :** 10-22-2025 09:03:13

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3419-01	PR-132-S16-015094-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3419-02	Q3419-01MS	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3419-03	Q3419-01MSD	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3419-04	PR-132-S16-119133-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3419-05	PR-132-S16-094119-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3422-01	PR132-S15-000008-20251017	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/21/2025	Chemtech -SO
Q3424-01	PR132-DP3-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/21/2025	Chemtech -SO
Q3424-02	PR132-S11-010080-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/21/2025	Chemtech -SO
Q3424-03	PR132-S14-00094-20251021	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/21/2025	Chemtech -SO
Q3427-01	TP-8	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3427-02	TP-8-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3427-03	TP-8-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/21/2025	Chemtech -SO
Q3429-01	40309	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	10/22/2025	Chemtech -SO
Q3429-02	40310	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	10/22/2025	Chemtech -SO
Q3430-01	BUR-25-0095	Solid	Percent Solids	Cool 4 deg C	PSEG03	D51	10/22/2025	Chemtech -SO
Q3431-01	EO-02-10222025	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/22/2025	Chemtech -SO
Q3431-02	EO-02-10222025-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/22/2025	Chemtech -SO
Q3434-01	PR132-WC1-20251022	Solid	Percent Solids	Cool 4 deg C	AECO02	D41	10/22/2025	Chemtech -SO

Date/Time 10/22/25 15:00
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature]

Date/Time 10/22/25 17:25
Raw Sample Received by: [signature]
Raw Sample Relinquished by: [signature]

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170215

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	N/A			**Extraction Start Date :**	10/23/2025
Matrix :	Solid			**Extraction Start Time :**	09:15
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	10/23/2025
Balance check:	EH	**Filter By:**	RJ	**Extraction End Time :**	12:45
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6865
Surrogate	1.0ML	100/150 PPM	SP6869
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2641
Baked Na2SO4	N/A	EP2652
Sand	N/A	E3951
Methylene Chloride	N/A	E3980
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5ML Vial Lot # 2210443.

KD Bath ID:	N/A	**Envap ID:**	N-EVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/23/25	RS (Ext-lab)	RC/SVOC
12:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170215

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 10/23/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170215BL	SBLK215	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U1-1
PB170215BS	SLCS215	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			2
Q3395-01	PR132-S09-000051-2025 1017	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		3
Q3395-02	PR132-S07-000102-2025 1017	SVOC-TCL BNA -20	30.09	N/A	ritesh	Evelyn	1	E		4
Q3395-03	Q3395-02MS	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	E		5
Q3395-04	Q3395-02MSD	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		6
Q3395-05	PR132-S07-102116-2025 1017	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		U2-1
Q3395-06	PR132-COMP03-2025101 7	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		2
~~Q3395-07~~	~~PR132-S08-038048-2025 1017~~	~~SVOC-TCL BNA -20~~		~~N/A~~	ritesh	Evelyn	~~1~~			
Q3419-01	PR-132-S16-015094-202 51021	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		3
Q3419-02	Q3419-01MS	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1	E		4
Q3419-03	Q3419-01MSD	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	E		5
Q3419-04	PR-132-S16-119133-202 51021	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		6
Q3419-05	PR-132-S16-094119-202 51021	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		U3-1
Q3422-01	PR132-S15-000008-2025 1017	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	F		2
Q3424-01	PR132-DP3-20251021	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		3
Q3424-02	PR132-S11-010080-2025 1021	SVOC-TCL BNA -20	30.05	N/A	ritesh	Evelyn	1	F		4
Q3424-03	PR132-S14-00094-20251 021	SVOC-TCL BNA -20	30.06	N/A	ritesh	Evelyn	1	E		5
Q3427-01	TP-8	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		6
Q3431-01	EO-02-10222025	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		U4-1
Q3434-01	PR132-WC1-20251022	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1	E		2

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

1702215 9:15

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3422 **WorkList ID :** 192632 **Department :** Extraction **Date :** 10-23-2025 08:59:14

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3395-01	PR132-S09-000051-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3395-02	PR132-S07-000102-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3395-03	Q3395-02MS	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3395-04	Q3395-02MSD	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3395-05	PR132-S07-102116-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3395-06	PR132-COMP03-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3395-07	PR132-S08-038048-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3419-01	PR-132-S16-015094-20251021	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D41	10/21/2025	8270E
Q3419-02	Q3419-01MS	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D41	10/21/2025	8270E
Q3419-03	Q3419-01MSD	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D41	10/21/2025	8270E
Q3419-04	PR-132-S16-119133-20251021	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D41	10/21/2025	8270E
Q3419-05	PR-132-S16-094119-20251021	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D41	10/21/2025	8270E
Q3422-01	PR132-S15-000008-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D41	10/21/2025	8270E
Q3424-01	PR132-DP3-20251021	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/21/2025	8270E
Q3424-02	PR132-S11-010080-20251021	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/21/2025	8270E
Q3424-03	PR132-S14-00094-20251021	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/21/2025	8270E
Q3427-01	TP-8	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/21/2025	8270E
Q3431-01	EO-02-10222025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D41	10/22/2025	8270E
Q3434-01	PR132-WC1-20251022	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D41	10/22/2025	8270E

Date/Time 10/23/25 9:10
Raw Sample Received by: RJ (Ext-lab)
Raw Sample Relinquished by: [signature]

Date/Time 10/23/25 9:45
Raw Sample Received by: [signature]
Raw Sample Relinquished by: RJ (Ext-lab)

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Prep Standard - Chemical Standard Summary

Order ID : Q3422

Test : SVOC-TCL BNA -20

Prepbatch ID : PB170215,

Sequence ID/Qc Batch ID: BF102425,BF102725,BF102825,BF102925,BG102725,BG102825,BG102925,

Standard ID :
EP2641,EP2652,SP6856,SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864,SP6865,SP6869,SP6871,SP6872,SP6875,

Chemical ID :
10ul/1000ul sample,E3875,E3932,E3951,E3954,E3965,E3972,E3973,E3980,S11073,S11484,S11652,S11807,S11808,S12197,S12199,S12200,S12201,S12220,S12221,S12245,S12306,S12307,S12507,S12508,S12552,S12553,S12554,S12555,S12556,S12557,S12558,S12559,S12560,S12577,S12739,S12776,S12903,S12904,S12905,S13089,S13090,S13091,S13092,S13093,S13094,S13095,S13096,S13097,S13118,S13119,S13120,S13149,S13160,S13170,S13175,S13179,S13180,S13207,S13214,S13233,S13239,S13240,S13241,S13242,S13243,S13244,S13269,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2017	1:1 ACETONE/METHYLENE CHLORIDE	EP2641	09/16/2025	03/16/2026	Evelyn Huang	None	None	Riteshkumar Patel 09/16/2025

FROM 8000.00000ml of E3972 + 8000.00000ml of E3973 = Final Quantity: 16000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2652	10/10/2025	01/28/2026	Evelyn Huang	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 10/10/2025

FROM 4000.00000gram of E3875 = 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
4215	New 8270E/625.1 ICAL Stock Solution 100 ng	SP6856	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.04000ml of S13207 + 0.20000ml of S12197 + 0.30000ml of S12306 + 0.40000ml of S12220 + 0.50000ml of S11807 + 0.50000ml of S12245 + 0.50000ml of S12776 + 0.50000ml of S13214 + 0.50000ml of S13233 + 0.70000ml of S12307 + 1.00000ml of S12739 + 4.86000ml of E3954 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4216	80ng ICC	SP6857	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.20000ml of E3954 + 0.80000ml of SP6856 = 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
4217	60ng ICC	SP6858	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.40000ml of E3954 + 0.60000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4218	50ng ICC	SP6859	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6856 = 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
4219	40ng ICC	SP6860	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.60000ml of E3954 + 0.40000ml of SP6856 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4220	20ng ICC	SP6861	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.80000ml of E3954 + 0.20000ml of SP6856 = 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
4221	10ng ICC	SP6862	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.75000ml of E3954 + 0.25000ml of SP6860 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4222	5ng ICC	SP6863	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.87500ml of E3954 + 0.12500ml of SP6860 = 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
4223	2.5ng ICC	SP6864	08/12/2025	12/16/2025	Jagrut Upadhyay	None	None	mohammad ahmed 08/22/2025

FROM 0.01000ml of S13170 + 0.50000ml of E3954 + 0.50000ml of SP6863 = 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	SP6865	08/25/2025	10/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli 08/26/2025

FROM 0.40000ml of S11484 + 0.40000ml of S11652 + 0.40000ml of S12552 + 0.40000ml of S13149 + 0.40000ml of S13160 + 0.40000ml of S13207 + 0.90000ml of S12507 + 0.90000ml of S13089 + 1.10000ml of S13120 + 1.20000ml of S12553 + 1.20000ml of S12554 + 1.20000ml of S12555 + 1.20000ml of S12556 + 1.20000ml of S12557 + 1.20000ml of S12558 + 1.20000ml of S12559 + 1.20000ml of S13269 + 1.30000ml of S11808 + 1.30000ml of S12508 + 1.30000ml of S13090 + 1.30000ml of S13091 + 1.30000ml of S13092 + 1.30000ml of S13093 + 1.30000ml of S13094 + 1.30000ml of S13095 + 1.30000ml of S13096 + 1.30000ml of S13118 + 1.30000ml of S13119 + 1.30000ml of S13239 + 1.30000ml of S13240 + 1.30000ml of S13241 + 1.30000ml of S13242 + 1.30000ml of S13243 + 1.30000ml of S13244 + 163.00000ml of E3932 = 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	SP6869	09/10/2025	01/02/2026	Jagrut Upadhyay	None	None	Rahul Chavli 09/16/2025

FROM 3.00000ml of S12197 + 3.00000ml of S12220 + 5.60000ml of S12221 + 5.60000ml of S12903 + 5.80000ml of S12904 + 6.00000ml of S12199 + 6.00000ml of S12200 + 965.00000ml of E3965 = Final Quantity: 1000.000 ml

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)	SP6871	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel 09/27/2025

FROM 0.04000ml of S12201 + 0.08000ml of S12905 + 0.10000ml of S11073 + 0.20000ml of S12560 + 0.20000ml of S13097 + 0.20000ml of S13244 + 1.18000ml of E3973 = Final Quantity: 2.000 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6872	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel 09/27/2025

FROM 0.01000ml of S13175 + 0.60000ml of E3973 + 0.40000ml of SP6871 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6875	09/30/2025	03/30/2026	Rahul Chavli	None	None	Jagrut Upadhyay 09/30/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3973 = 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	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

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)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

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)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

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)	24H1462005	05/24/2027	08/22/2025 / RUPESH	08/20/2025 / RUPESH	E3965

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)	24H1462005	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

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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)	25C1262005	04/16/2026	09/15/2025 / Riteshkumar	09/15/2025 / Riteshkumar	E3973

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)	25C1262005	04/16/2026	10/10/2025 / RUPESH	10/10/2025 / RUPESH	E3980

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	11/16/2025	05/16/2025 / Jagrut	02/06/2023 / Christian	S11073

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	10/30/2025	04/30/2025 / Rahul	08/10/2023 / yogesh	S11484

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	01/30/2026	07/30/2025 / Rahul	11/09/2023 / Yogesh	S11652

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	A0200655	01/01/2026	07/01/2025 / Rahul	11/21/2023 / rahul	S11807

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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	A0200655	02/25/2026	08/25/2025 / Jagrut	11/21/2023 / rahul	S11808

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	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12197

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	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12199

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	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12200

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	03/22/2026	09/22/2025 / Jagrut	03/15/2024 / Rahul	S12201

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	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12220

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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	03/10/2026	09/10/2025 / Jagrut	03/15/2024 / Rahul	S12221

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30409 / Pyridine, 2000 PPM in P & T Methanol	A0206650	12/16/2025	06/16/2025 / Jagrut	05/14/2024 / Rahul	S12245

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12306

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31902 / CLP/SVOA Additions Mix (Atrazine, Benzaldehyde, Caprolactam) 1000ug/mL	A0206859	01/31/2026	08/12/2025 / Jagrut	05/30/2024 / Rahul	S12307

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12507

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	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12508

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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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12552

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	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12553

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	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12554

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	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12555

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	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12556

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	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12557

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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	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12558

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	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12559

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	03/22/2026	09/22/2025 / Jagrut	07/23/2024 / RAHUL	S12560

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	31900 / SOM01.1 Mega Mix, 500-1000 ug/ml	A0215529	02/12/2026	08/12/2025 / Jagrut	10/08/2024 / anahy	S12739

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90494 / 1-Methylnaphthalene, 2000 ug/mL, in methylene chloride	061323	02/12/2026	08/12/2025 / Jagrut	11/08/2024 / anahy	S12776

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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	A0216785	03/10/2026	09/10/2025 / Jagrut	12/09/2024 / anahy	S12903

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	A0216785	03/10/2026	09/10/2025 / Jagrut	12/09/2024 / anahy	S12904

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	A0216785	03/22/2026	09/22/2025 / Jagrut	12/09/2024 / anahy	S12905

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]	A0221014	11/30/2025	07/01/2025 / Rahul	05/20/2025 / Rahul	S13089

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]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13090

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]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13091

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

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]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13092

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]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13093

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]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13094

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]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13095

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]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13096

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]	A0221014	11/30/2025	09/03/2025 / Jagrut	05/20/2025 / Rahul	S13097

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Fax : 908 789 8922

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	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13118

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	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13119

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	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13120

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]	A0201702	02/25/2026	08/25/2025 / Jagrut	11/13/2023 / Rahul	S13149

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]	A0226283	02/25/2026	08/25/2025 / Jagrut	06/04/2025 / Rahul	S13160

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	A0224359	02/11/2026	08/11/2025 / Rahul	06/02/2025 / anahy	S13170

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Fax : 908 789 8922

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	A0224359	03/15/2026	09/15/2025 / rahul	06/02/2025 / anahy	S13175

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	A0224359	04/17/2026	10/17/2025 / rahul	06/02/2025 / anahy	S13179

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	A0224359	03/31/2031	/	06/02/2025 / anahy	S13180

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]	A0226493	02/12/2026	08/12/2025 / Jagrut	06/11/2025 / anahy	S13207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31879 / Benzoic Acid, 2000 µg/mL, Methylene Chloride, 1 mL/ampul	A0221395	02/12/2026	08/12/2025 / Jagrut	07/10/2025 / anahy	S13214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	582978 / Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul, Chromatographic, CS-347186	A0228192	02/12/2026	08/12/2025 / Jagrut	08/01/2025 / Rahul	S13233

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Fax : 908 789 8922

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]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13239

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]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13240

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]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13241

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]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13242

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]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13243

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]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13244

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

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]	A0228494	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13269

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

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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)

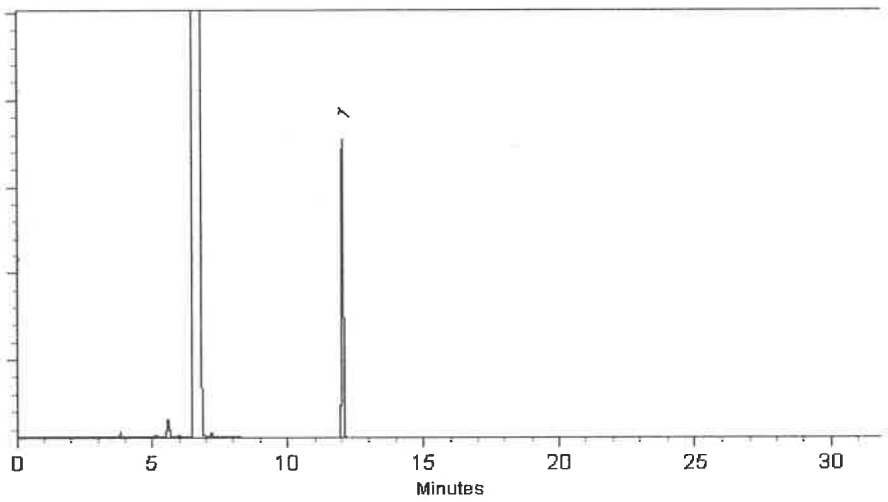
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 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 %	0.2 %
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

Rec on 8/20/25

E3965

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
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:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
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%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
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%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
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.

E 3875

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 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 %	0.2 %
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 RS

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3932

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

VWR®
BDH® CHEMICALS

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
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	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 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

RS 7/14/25

E3954

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H1462005
Manufactured Date: 2024-05-24
Expiration Date:2027-05-24
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 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 %	0.2 %
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

E3972

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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25C1262005
Manufactured Date: 2025-01-15
Expiration Date:2026-04-16
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	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	0.1 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

Rec. on 6/10/25 PJ

E3980

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

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

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.

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.

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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. : 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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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.:** A0200655

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 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	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* 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.)

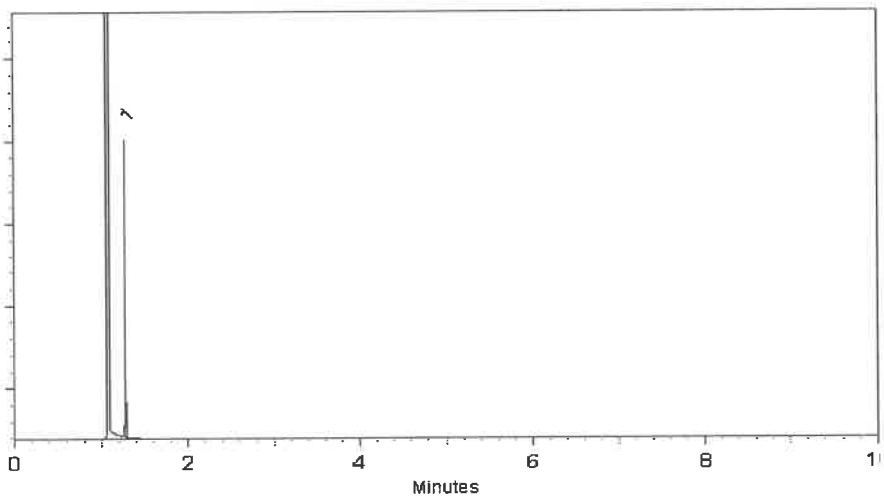
Inj. Temp:
250°C

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.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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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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.:** A0200655

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 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	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* 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.)

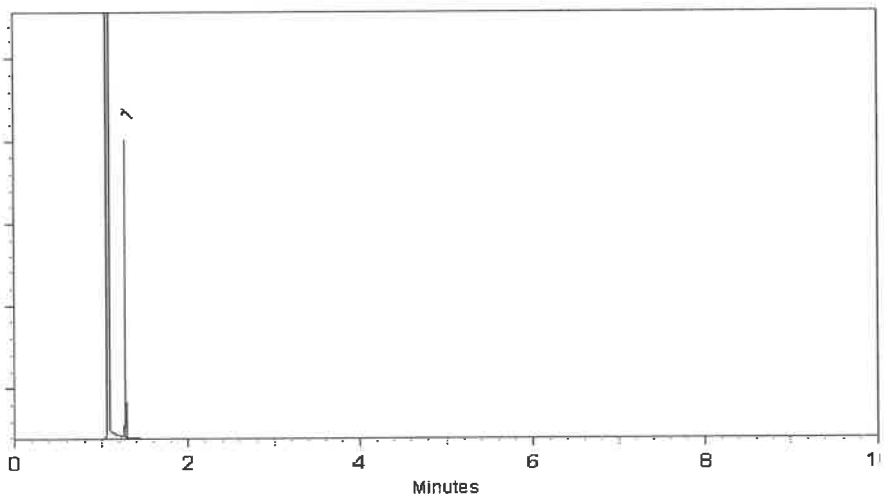
Inj. Temp:
250°C

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.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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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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

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

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.)

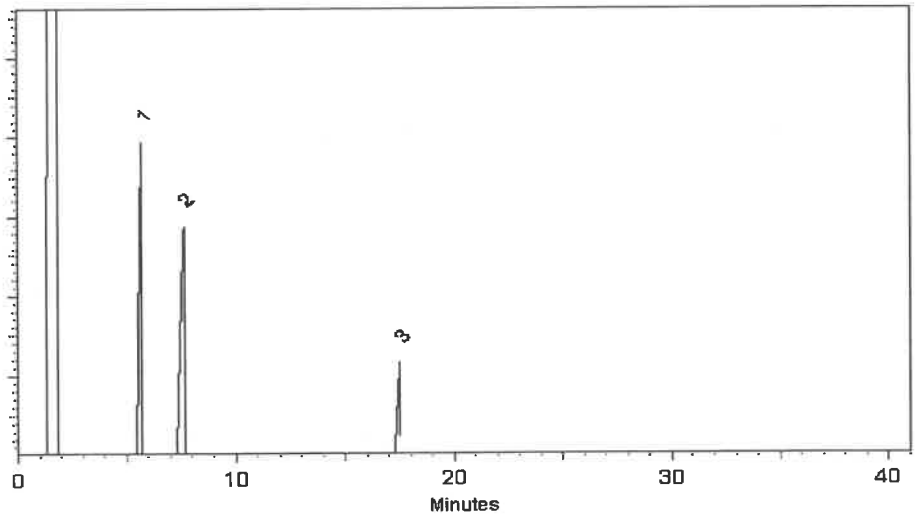
Inj. Temp:
250°C

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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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

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

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.)

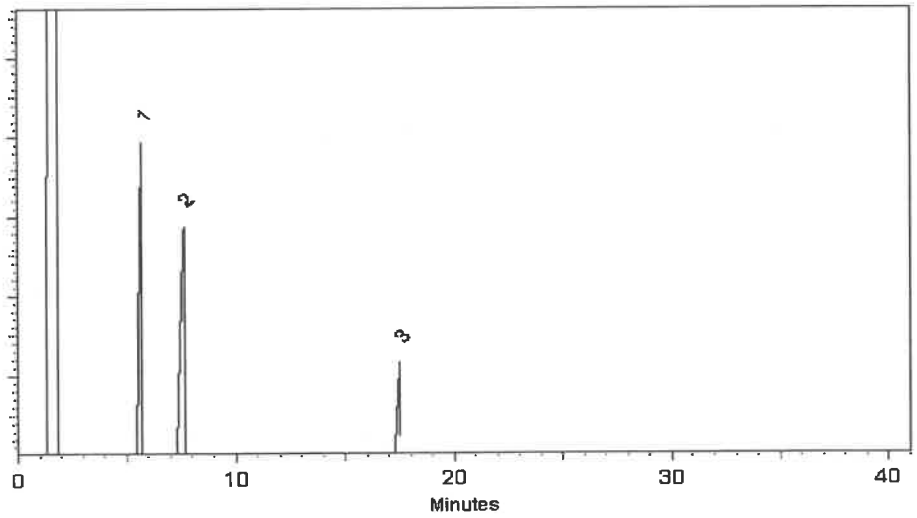
Inj. Temp:
250°C

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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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.)

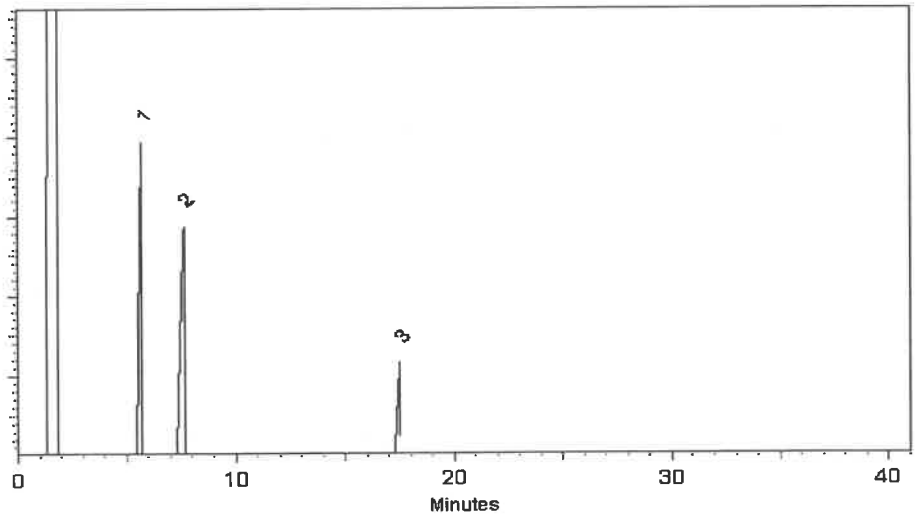
Inj. Temp:
250°C

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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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

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

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.)

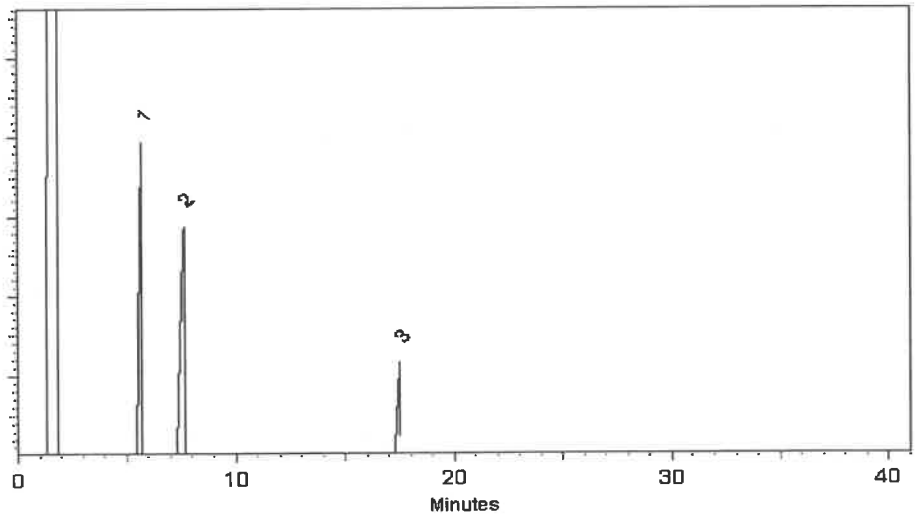
Inj. Temp:
250°C

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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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. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

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

S12207 ↓ S12221 RC/ 03/18/24

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.)

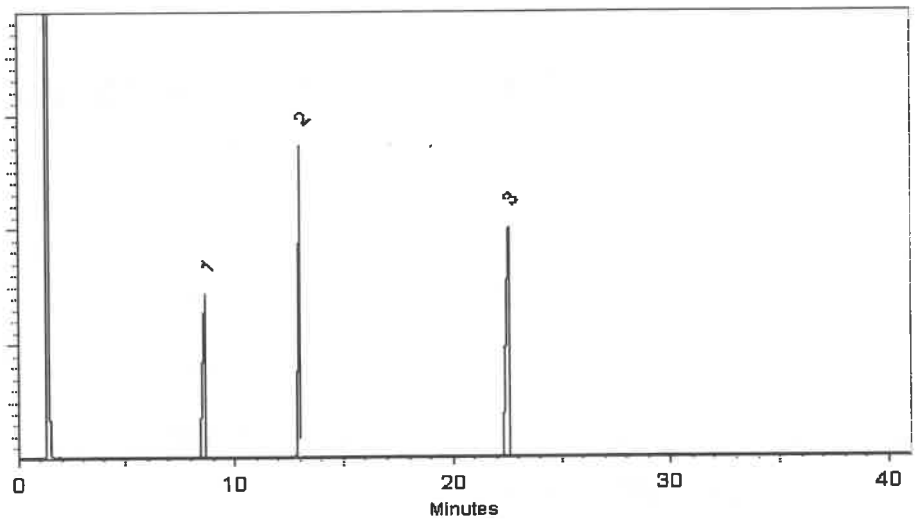
Inj. Temp:
250°C

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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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

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

S12207 ↓ S12221 RC/ 03/18/24

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.)

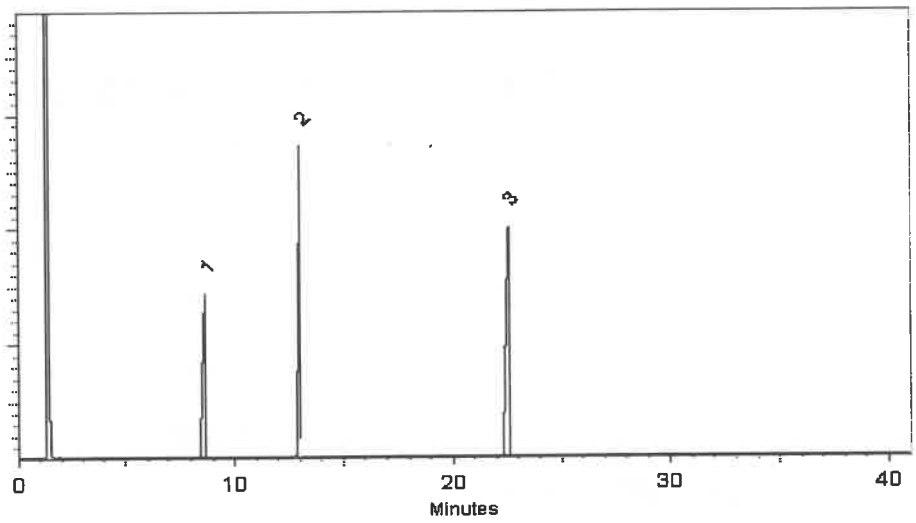
Inj. Temp:
250°C

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

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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. : 30409 **Lot No.:** A0206650

Description : Pyridine Standard

Pyridine 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

S12242 ↓ S12254 RC/ 5/15/24

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%	2,020.0 µg/mL	+/- 33.0924

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

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.)

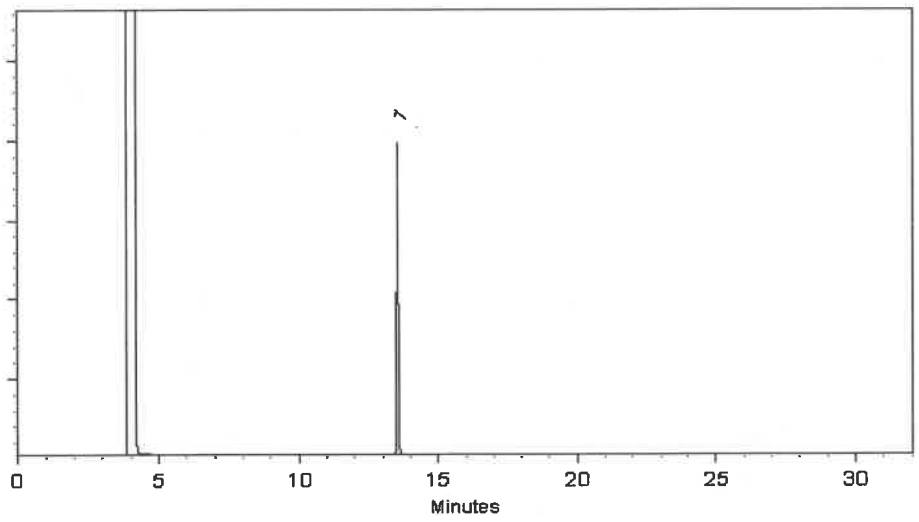
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 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: 16-Jan-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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S12302 ↓ S12311 } RC/ 5/30/24

Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard

Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.5419
2	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.8 µg/mL	+/- 29.6521
3	Atrazine	1912-24-9	5FYWL	99%	1,008.8 µg/mL	+/- 29.6521

* 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.)

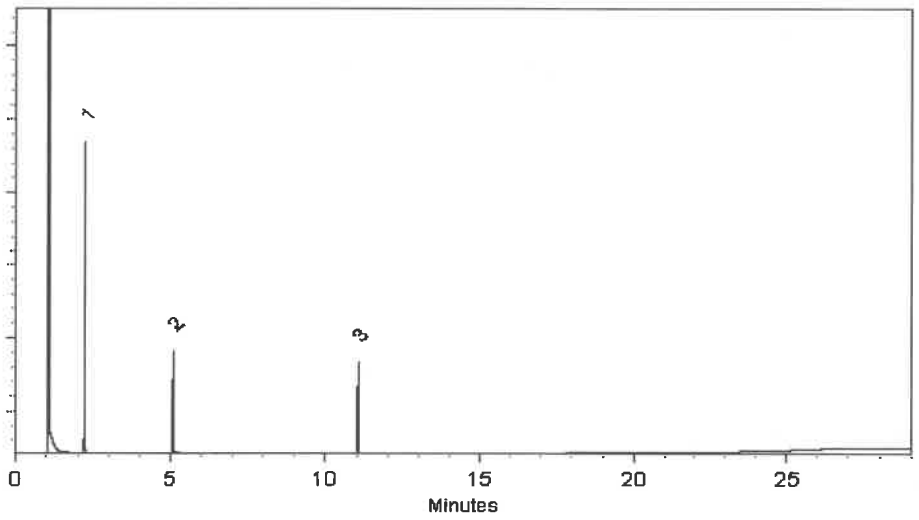
Inj. Temp:
250°C

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.

Stacey Wanner - Operations Technician I

Date Mixed: 23-Jan-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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S12302 ↓ S12311 } RC/ 5/30/24

Catalog No. : 31902 **Lot No.:** A0206859

Description : Additions Standard

Additions Standard 1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,005.0 µg/mL	+/- 29.5419
2	epsilon-Caprolactam	105-60-2	I16X016	99%	1,008.8 µg/mL	+/- 29.6521
3	Atrazine	1912-24-9	5FYWL	99%	1,008.8 µg/mL	+/- 29.6521

* 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.)

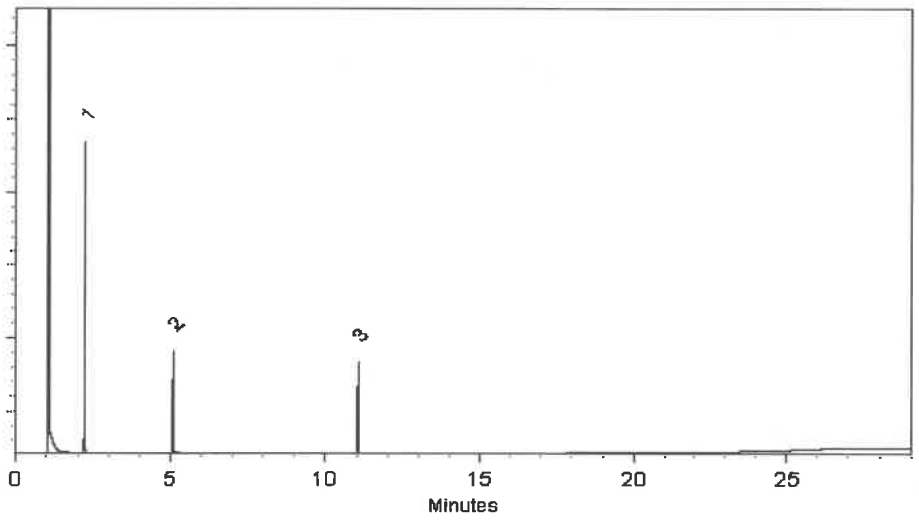
Inj. Temp:
250°C

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.

Stacey Wanner - Operations Technician I

Date Mixed: 23-Jan-2024 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Jan-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. : 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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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.
- 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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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.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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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. : 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:

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
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Certificate #3222.01

ISO/IEC 17025 Accredited
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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

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Ship: Ambient

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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

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

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. : 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.
- 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

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.

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.)

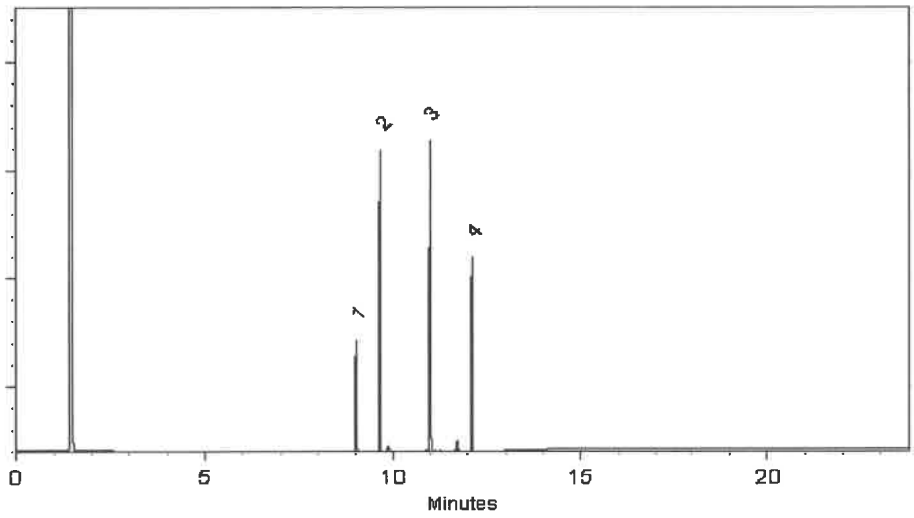
Inj. Temp:
250°C

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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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. : 31900 **Lot No.:** A0215529

Description : OLM 01.1 Revised SV MegaMix

OLM 01.1 Revised SV MegaMix 500-1000 µg/mL, Methylene chloride, 1mL/ampul

S12736 ↓ S12754 AC 10/9/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°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	Phenol	108-95-2	MKCK1120	99%	1,008.6 µg/mL	+/- 19.3211
2	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,002.3 µg/mL	+/- 19.2013
3	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.2 µg/mL	+/- 19.2564
4	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,006.3 µg/mL	+/- 19.2768
5	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,009.3 µg/mL	+/- 19.3354
6	Acetophenone	98-86-2	STBH8205	99%	1,003.8 µg/mL	+/- 18.5851
7	Hexachloroethane	67-72-1	QTORH	99%	1,000.6 µg/mL	+/- 19.1690
8	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.5 µg/mL	+/- 19.2599
9	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	500.3 µg/mL	+/- 9.5854
10	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 9.6213
11	Nitrobenzene	98-95-3	10224044	99%	1,003.2 µg/mL	+/- 19.2181
12	Isophorone	78-59-1	MKCC9506	99%	1,007.0 µg/mL	+/- 19.2911
13	2-Nitrophenol	88-75-5	RP230509C	99%	1,003.4 µg/mL	+/- 19.2217
14	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,008.1 µg/mL	+/- 19.3115
15	Bis(2-chloroethoxy)methane	111-91-1	15174900	99%	1,002.3 µg/mL	+/- 19.2001
16	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,002.3 µg/mL	+/- 19.2001

17	Naphthalene	91-20-3	STBL1057	99%	1,003.6	µg/mL	+/- 19.2253
18	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.5	µg/mL	+/- 19.2791
19	Hexachlorobutadiene	87-68-3	RP240110CTH	97%	1,003.9	µg/mL	+/- 19.2316
20	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,005.1	µg/mL	+/- 19.2718
21	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,003.8	µg/mL	+/- 19.2301
22	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,000.5	µg/mL	+/- 19.1832
23	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 19.1811
24	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.1	µg/mL	+/- 19.2349
25	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,008.6	µg/mL	+/- 19.3221
26	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,002.3	µg/mL	+/- 19.2001
27	Biphenyl	92-52-4	MKCS5928	99%	1,001.3	µg/mL	+/- 18.5388
28	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,000.5	µg/mL	+/- 19.1832
29	Acenaphthylene	208-96-8	214935V16F	97%	999.9	µg/mL	+/- 19.1561
30	Dimethylphthalate	131-11-3	358221L17K	99%	1,005.8	µg/mL	+/- 19.2672
31	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,001.2	µg/mL	+/- 19.1798
32	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 19.1570
33	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,005.5	µg/mL	+/- 19.2791
34	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	1,008.8	µg/mL	+/- 19.3259
35	Dibenzofuran	132-64-9	MKCD9952	99%	1,002.5	µg/mL	+/- 18.5619
36	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,002.5	µg/mL	+/- 19.2049
37	4-Nitrophenol	100-02-7	RP230627	99%	1,004.4	µg/mL	+/- 19.2421
38	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,001.5	µg/mL	+/- 19.2024
39	Fluorene	86-73-7	10241100	99%	1,004.2	µg/mL	+/- 19.2373
40	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,003.0	µg/mL	+/- 19.2145
41	Diethylphthalate	84-66-2	BCCJ6241	99%	1,002.1	µg/mL	+/- 19.1978
42	4-Nitroaniline	100-01-6	RP240510RSR	99%	1,005.0	µg/mL	+/- 19.2695
43	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S240410RSR	99%	1,001.1	µg/mL	+/- 19.1786
44	Diphenylamine	122-39-4	MKCT1512	99%	1,004.5	µg/mL	+/- 19.2599
45	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.9	µg/mL	+/- 19.2708
46	Hexachlorobenzene	118-74-1	15458400	99%	1,009.2	µg/mL	+/- 19.3331
47	Pentachlorophenol	87-86-5	RP240411RSR	99%	1,008.9	µg/mL	+/- 19.3283
48	Phenanthrene	85-01-8	MKCS5188	99%	1,006.2	µg/mL	+/- 19.2756
49	Anthracene	120-12-7	101492T18R	99%	1,001.6	µg/mL	+/- 19.1882
50	Carbazole	86-74-8	15276700	99%	1,004.0	µg/mL	+/- 19.2503
51	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,002.5	µg/mL	+/- 19.2049
52	Fluoranthene	206-44-0	MKCQ4728	99%	1,008.7	µg/mL	+/- 19.3235

53	Pyrene	129-00-0	BCCK2592	99%	1,002.9	µg/mL	+/- 19.2121
54	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.6	µg/mL	+/- 19.2444
55	Benz(a)anthracene	56-55-3	I50012022BAA	99%	1,009.1	µg/mL	+/- 19.3307
56	Chrysene	218-01-9	RP240719RSR	99%	1,005.9	µg/mL	+/- 19.2708
57	3,3'-Dichlorobenzidine	91-94-1	S231019RSR	99%	1,001.5	µg/mL	+/- 19.2024
58	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,006.3	µg/mL	+/- 19.2768
59	Di-n-octyl phthalate	117-84-0	15276800	99%	1,008.9	µg/mL	+/- 19.3283
60	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,006.4	µg/mL	+/- 19.2792
61	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,001.9	µg/mL	+/- 19.1942
62	Benzo(a)pyrene	50-32-8	O45GL	98%	1,003.9	µg/mL	+/- 19.2327
63	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,003.7	µg/mL	+/- 19.2281
64	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,004.2	µg/mL	+/- 19.2373
65	Benzo(g,h,i)perylene	191-24-2	RP240625RSR	97%	1,001.5	µg/mL	+/- 19.1863

* 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.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
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CERTIFIED WEIGHT REPORT

Part Number: 90494
Lot Number: 061323
Description: 1-Methylnaphthalene

Expiration Date: 061328
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

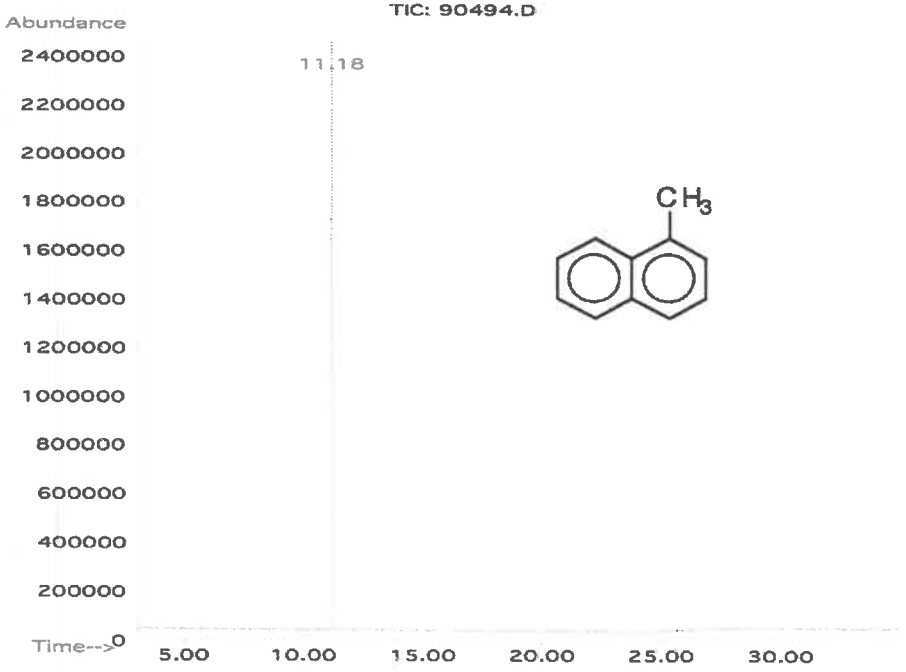
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

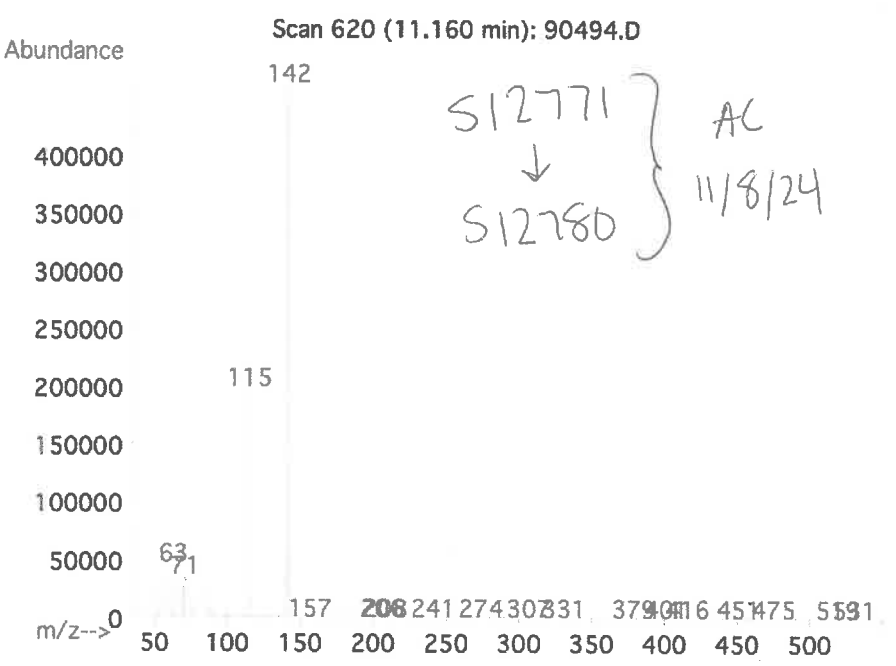
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

Formulated By: Prashant Chauhan	061323 DATE
Reviewed By: Pedro L. Rentas	061323 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 1-Methylnaphthalene	313	04413BX	2000	98	0.2	0.20417	0.20430	2001.2	8.3	90-12-0	N/A	orl-rat 1840mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.





S12771 ↓ S12780 } AC 11/8/24

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Catalog No. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°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	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
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	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* 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.

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.)

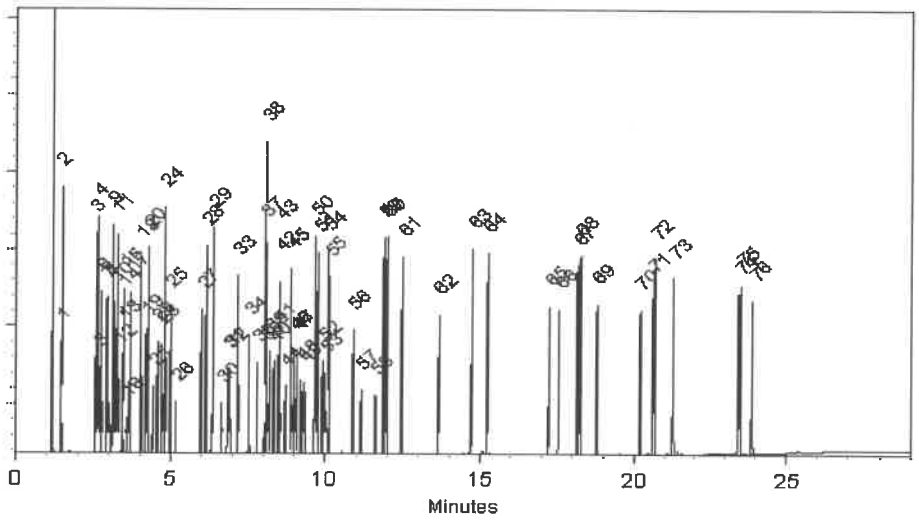
Inj. Temp:
250°C

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.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

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

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Certificate of Analysis

chromatographic plus

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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. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°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	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
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	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* 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.

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.)

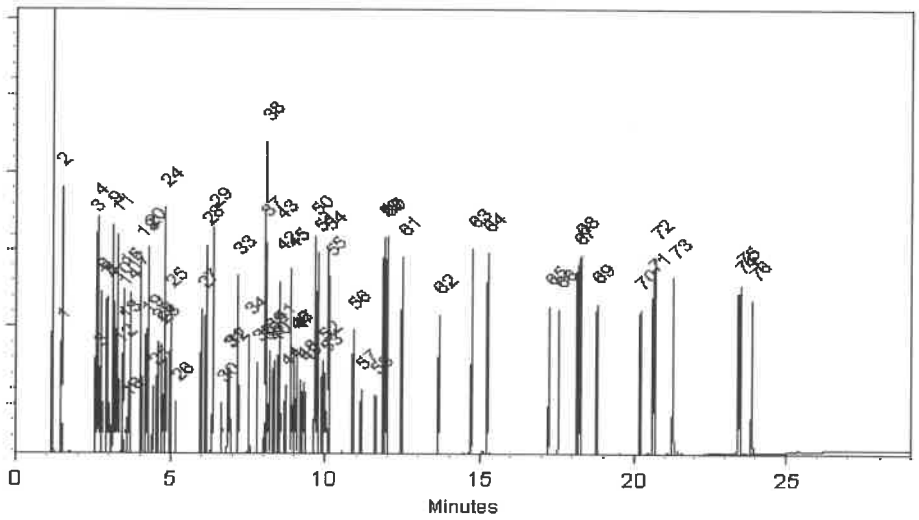
Inj. Temp:
250°C

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.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

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

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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. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°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	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
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	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* 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.

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.)

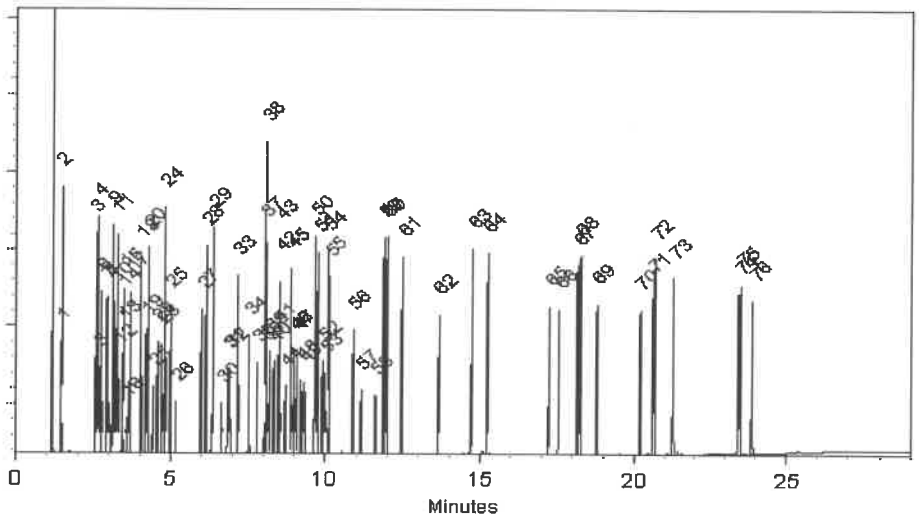
Inj. Temp:
250°C

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.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

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

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CERTIFIED REFERENCE MATERIAL

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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.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°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	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
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	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* 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.

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.)

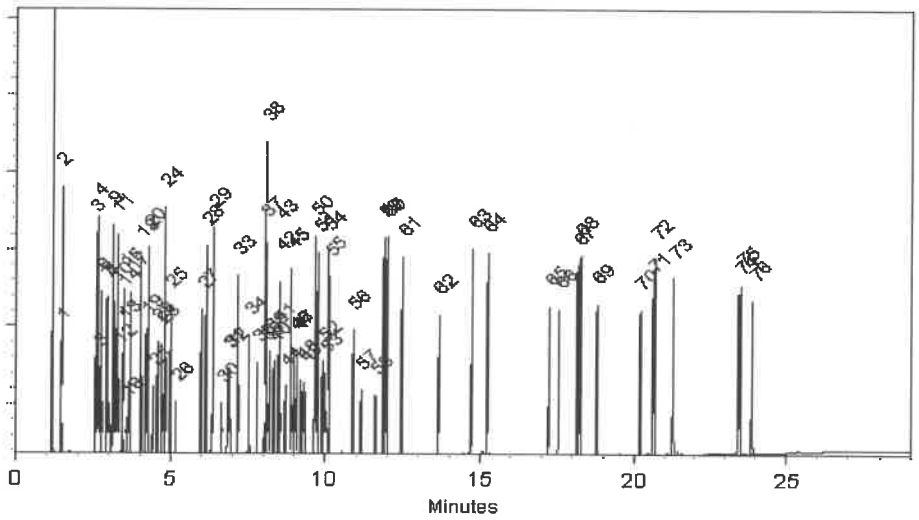
Inj. Temp:
250°C

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.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

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

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chromatographic plus

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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. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°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	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
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	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* 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.

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.)

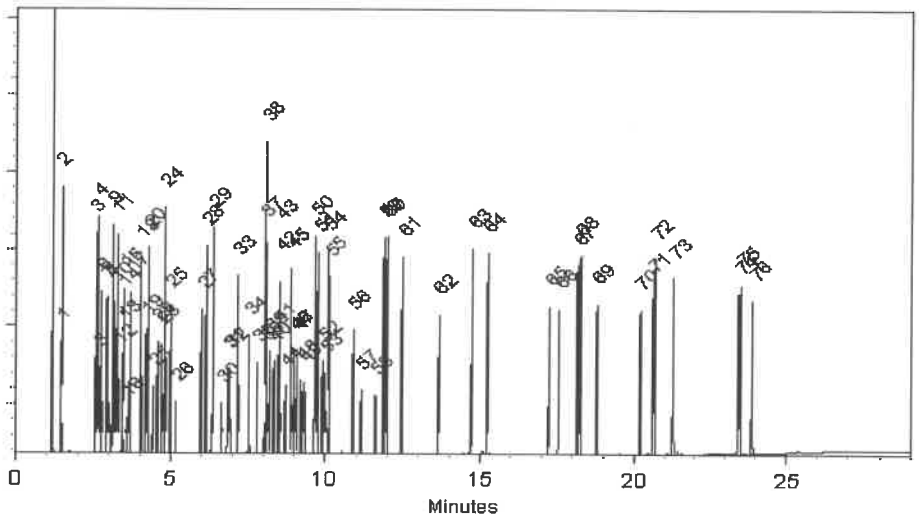
Inj. Temp:
250°C

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.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

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

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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.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°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	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
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	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* 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.

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.)

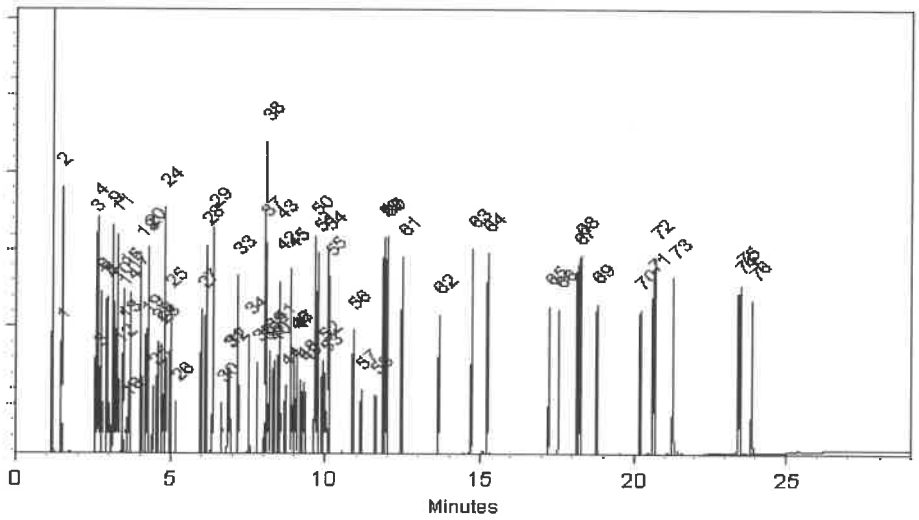
Inj. Temp:
250°C

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.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

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

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chromatographic plus

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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. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°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	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
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	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* 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.

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.)

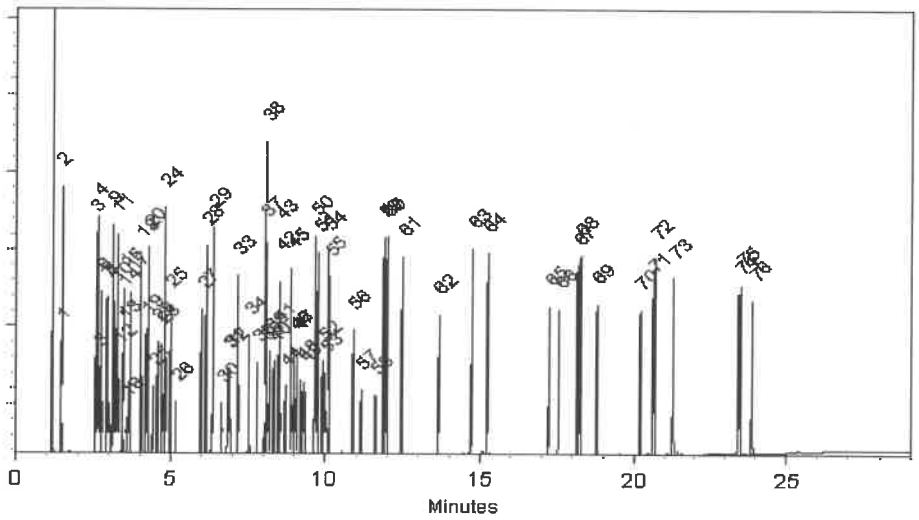
Inj. Temp:
250°C

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.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

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

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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. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°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	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
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	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* 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.

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.)

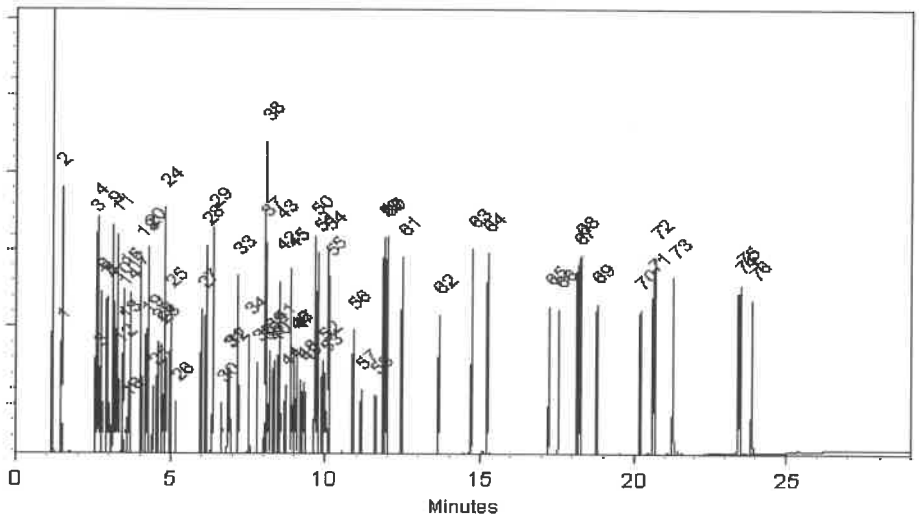
Inj. Temp:
250°C

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.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

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

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chromatographic plus

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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. : 31850 **Lot No.:** A0221014

S13088 ↓ S13117 RC 5/20/25.

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 0°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	Pyridine	110-86-1	SHBR4811	99%	1,005.2 µg/mL	+/- 36.5730
2	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	1,005.5 µg/mL	+/- 36.5848
3	Phenol	108-95-2	MKCK1120	99%	1,005.3 µg/mL	+/- 36.5780
4	Aniline	62-53-3	X22F726	99%	1,005.4 µg/mL	+/- 36.5816
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,004.7 µg/mL	+/- 36.5562
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.3 µg/mL	+/- 36.5766
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.6 µg/mL	+/- 36.5530
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,006.3 µg/mL	+/- 36.6125
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 36.5853
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,004.6 µg/mL	+/- 36.5507
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,004.8 µg/mL	+/- 36.5575
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,005.4 µg/mL	+/- 36.5803
13	3-Methylphenol (m-cresol)	108-39-4	STBL3873	99%	502.7 µg/mL	+/- 18.2888
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	502.6 µg/mL	+/- 18.2869
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,004.6 µg/mL	+/- 36.5502
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.6 µg/mL	+/- 36.5530
17	Nitrobenzene	98-95-3	10224044	99%	1,005.3 µg/mL	+/- 36.5780

18	Isophorone	78-59-1	MKCR3249	99%	1,004.6	µg/mL	+/- 36.5511
19	2-Nitrophenol	88-75-5	RP230710	99%	1,005.7	µg/mL	+/- 36.5916
20	2,4-Dimethylphenol	105-67-9	DIRAF	99%	1,004.9	µg/mL	+/- 36.5612
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,004.3	µg/mL	+/- 36.5402
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,004.7	µg/mL	+/- 36.5571
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,004.6	µg/mL	+/- 36.5516
24	Naphthalene	91-20-3	STBL1057	99%	1,006.8	µg/mL	+/- 36.6335
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,005.9	µg/mL	+/- 36.5980
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,004.1	µg/mL	+/- 36.5328
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.4	µg/mL	+/- 36.5793
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,006.3	µg/mL	+/- 36.6144
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	1,005.9	µg/mL	+/- 36.5975
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,004.7	µg/mL	+/- 36.5566
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.7	µg/mL	+/- 36.5571
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,005.3	µg/mL	+/- 36.5757
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.8	µg/mL	+/- 36.5584
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,004.5	µg/mL	+/- 36.5475
36	Acenaphthylene	208-96-8	214935V18H	95%	1,000.1	µg/mL	+/- 36.3888
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,004.9	µg/mL	+/- 36.5616
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,004.5	µg/mL	+/- 36.5489
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,005.2	µg/mL	+/- 36.5734
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,005.9	µg/mL	+/- 36.6003
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	+/- 36.5525
43	2,4-Dinitrophenol	51-28-5	D240927RSR	99%	1,005.0	µg/mL	+/- 36.5657
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,005.4	µg/mL	+/- 36.5803
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,005.4	µg/mL	+/- 36.5803
46	4-Nitrophenol	100-02-7	20241120-1-AN	99%	1,005.7	µg/mL	+/- 36.5930
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,004.9	µg/mL	+/- 36.5616
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP240523RSR	99%	1,005.2	µg/mL	+/- 36.5739
49	Fluorene	86-73-7	10246250	98%	1,005.8	µg/mL	+/- 36.5948
50	4-Chlorophenyl phenyl ether	7005-72-3	002531K02D	99%	1,004.8	µg/mL	+/- 36.5584
51	Diethylphthalate	84-66-2	STBL3611	99%	1,005.3	µg/mL	+/- 36.5762
52	4-Nitroaniline	100-01-6	RP240830RSR	99%	1,005.5	µg/mL	+/- 36.5844
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,004.8	µg/mL	+/- 36.5589

54	Diphenylamine	122-39-4	MKCT1512	99%	1,005.2	µg/mL	+/- 36.5725
55	Azobenzene	103-33-3	BCCL3292	99%	1,004.7	µg/mL	+/- 36.5566
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.6	µg/mL	+/- 36.5875
57	Hexachlorobenzene	118-74-1	15828800	99%	1,005.3	µg/mL	+/- 36.5789
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.4	µg/mL	+/- 36.5825
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.8	µg/mL	+/- 36.5584
60	Anthracene	120-12-7	MKCW9141	99%	1,005.5	µg/mL	+/- 36.5834
61	Carbazole	86-74-8	15630800	99%	1,005.3	µg/mL	+/- 36.5789
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,005.5	µg/mL	+/- 36.5848
63	Fluoranthene	206-44-0	A0458721	99%	1,005.4	µg/mL	+/- <0.0001
64	Pyrene	129-00-0	BCCL8032	99%	1,005.2	µg/mL	+/- 36.5734
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,004.8	µg/mL	+/- 36.5584
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCR8567	99%	1,004.5	µg/mL	+/- 36.5480
67	Benz(a)anthracene	56-55-3	I60012022BAA	99%	1,005.5	µg/mL	+/- 36.5844
68	Chrysene	218-01-9	RP241212RSR	99%	1,005.5	µg/mL	+/- 36.5848
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,004.7	µg/mL	+/- 36.5548
70	Di-n-octyl phthalate	117-84-0	15817300	99%	1,004.8	µg/mL	+/- 36.5607
71	Benzo(b)fluoranthene	205-99-2	022013B	99%	1,005.1	µg/mL	+/- 36.5716
72	Benzo(k)fluoranthene	207-08-9	012022K	98%	1,004.6	µg/mL	+/- 36.5511
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,004.2	µg/mL	+/- 36.5377
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,004.1	µg/mL	+/- 36.5337
75	Dibenz(a,h)anthracene	53-70-3	712061504-1-1	99%	1,005.7	µg/mL	+/- 36.5930
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,005.4	µg/mL	+/- 36.5814

* 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.

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.)

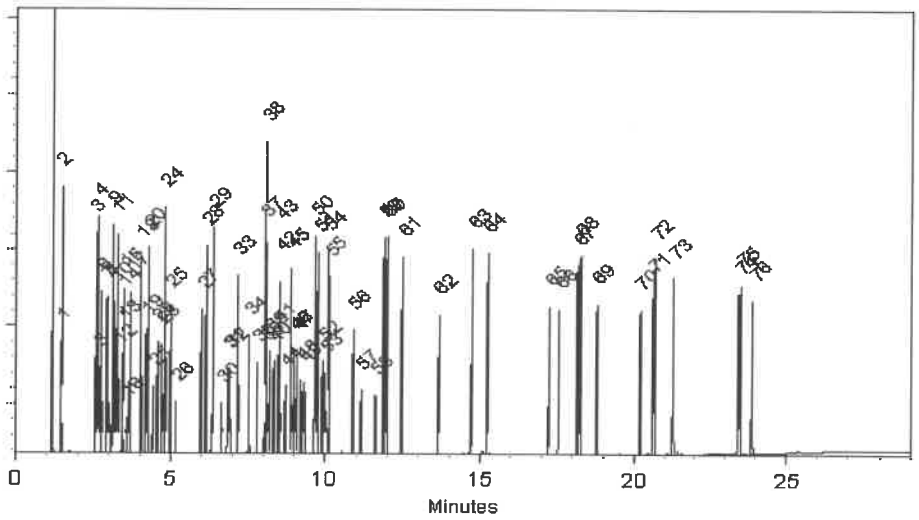
Inj. Temp:
250°C

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.

Penelope Riglin - Operations Tech I

Date Mixed: 12-Jan-2025 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 21-Jan-2025

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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. : 31853 **Lot No.:** A0218894

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

513118 ↓ 513147 } RC/ 5/20/25.

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	SHBQ1693	99%	2,002.4 µg/mL	+/- 24.9202

* 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.)

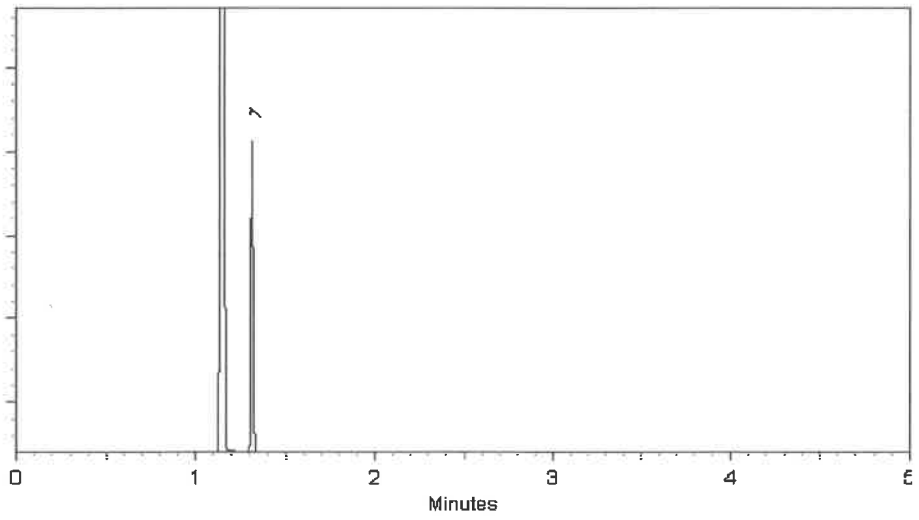
Inj. Temp:
250°C

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.

Penelope Riglin - Operations Tech I

Date Mixed: 07-Nov-2024 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31853 **Lot No.:** A0218894

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

513118 ↓ 513147 } RC/ 5/20/25.

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	SHBQ1693	99%	2,002.4 µg/mL	+/- 24.9202

* 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.)

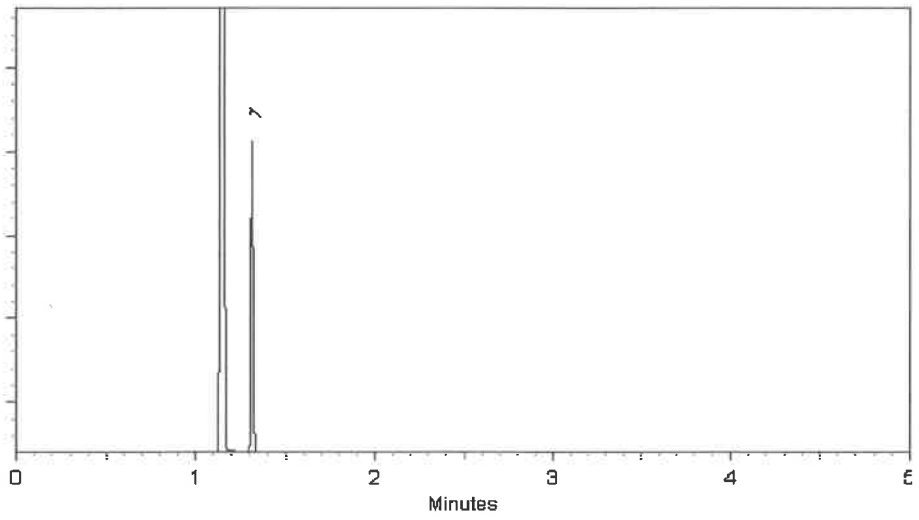
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 07-Nov-2024 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

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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. : 31853 **Lot No.:** A0218894

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 0°C or colder

Ship: Ambient

513118 ↓ 513147 } RC/ 5/20/25.

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	SHBQ1693	99%	2,002.4 µg/mL	+/- 24.9202

* 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.)

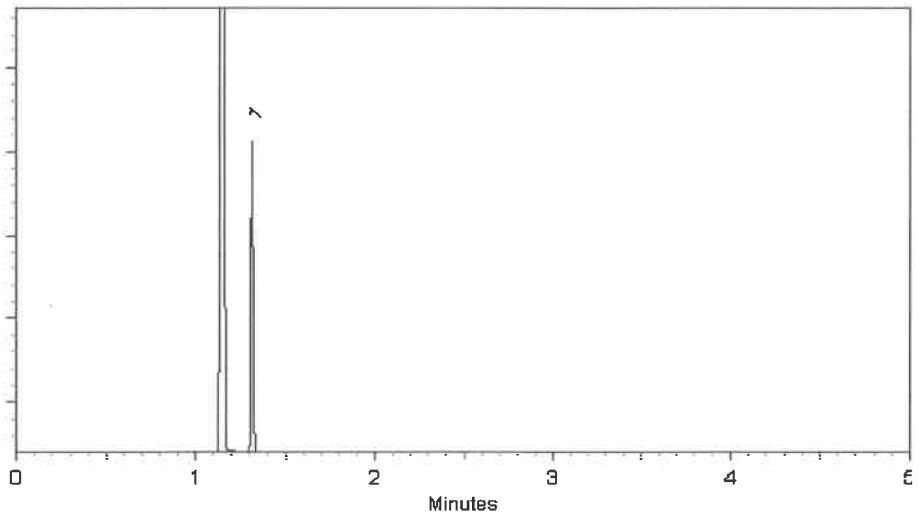
Inj. Temp:
250°C

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.

Penelope Riglin - Operations Tech I

Date Mixed: 07-Nov-2024 **Balance Serial #** 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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. : 555871 **Lot No.:** A0226283

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 : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

S13158 ↓ S13167 } RC/ 6/4/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025 **Balance:** C322230531

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 } AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **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%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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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. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 } AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **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%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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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. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 } AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **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%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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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. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

S13168 ↓ S13197 } AC 6/9/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **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%	2,000.0 µg/mL	+/- 90.0812
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.8 µg/mL	+/- 90.1187
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.8 µg/mL	+/- 90.1187
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.0 µg/mL	+/- 90.0812
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.8 µg/mL	+/- 90.1187
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.0 µg/mL	+/- 90.0812

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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S13198 → S13207 } AC 6/11/25

Catalog No. : 555868 **Lot No.:** A0226493

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, 2028 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S250227ECS	99%	25,004.0 µg/mL	+/- 495.8040

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Laith Clemente - Operations Technician I **Date Mixed:** 09-Jun-2025 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 31879 **Lot No.:** A0221395

Description : Benzoic Acid Mix

Benzoic Acid 2000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

S13214 ↓ S13218 AC 7/10/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzoic acid	65-85-0	MKCR2694	99%	2,002.2 µg/mL	+/- 60.5426

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Catalog No. : 582978 **Lot No.:** A0228192

Description : Custom Calibration Standard - C8

Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul

513229 ↓ 513238 } RC/ 8/1/25

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	N-Nitrosodimethylamine	62-75-9	S241226RSR	99%	2,000.0 µg/mL	+/- 35.7537
2	Aniline	62-53-3	X22F726	99%	2,002.5 µg/mL	+/- 35.7984
3	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	2,005.0 µg/mL	+/- 35.8431
4	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	2,005.0 µg/mL	+/- 35.8431
5	Benzyl alcohol	100-51-6	094986W07G	99%	2,015.0 µg/mL	+/- 36.0218
6	1,2-Dichlorobenzene	95-50-1	SHBR4446	99%	2,015.0 µg/mL	+/- 36.0218
7	1,2,4-Trichlorobenzene	120-82-1	SHBR1701	99%	2,020.0 µg/mL	+/- 36.1112
8	Azobenzene	103-33-3	BCCL3292	99%	2,005.0 µg/mL	+/- 35.8431

* 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.)

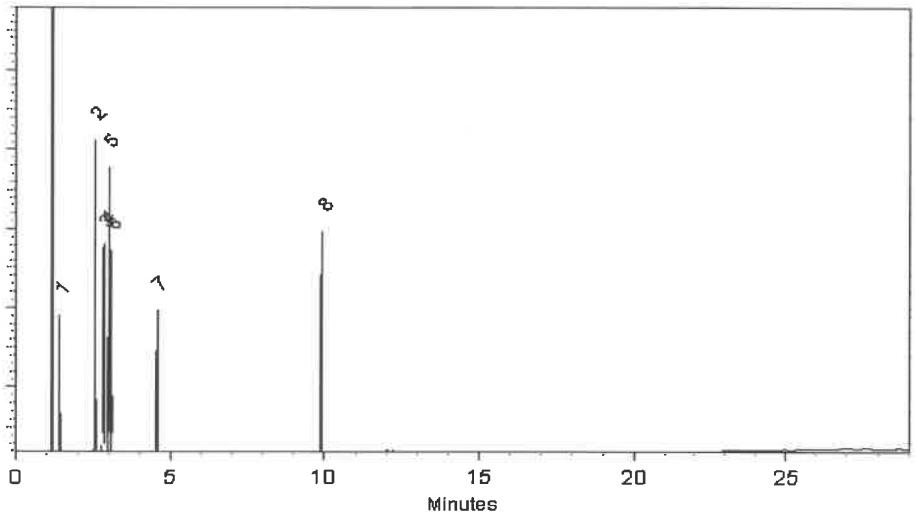
Inj. Temp:
250°C

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.

Wilner Torres - Operation Tech I **Date Mixed:** 27-Jul-2025 **Balance Serial #** B345965662

Jennifer Pollino - Operations Tech III - ARM QC **Date Passed:** 30-Jul-2025 REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

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 : August 31, 2027 **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	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397

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Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

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 : August 31, 2027 **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	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

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Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

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 : August 31, 2027 **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	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

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Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

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 : August 31, 2027 **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	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

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Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

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 : August 31, 2027 **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	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

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Catalog No. : 555223 **Lot No.:** A0228451

S13239 ↓ S13268 } RC 08/06/25

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 : August 31, 2027 **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	S250226RSR	99%	1,006.0 µg/mL	+/- 23.0947
2	Atrazine	1912-24-9	5FYWL	99%	1,007.0 µg/mL	+/- 23.1176
3	Benzidine	92-87-5	S250227ECS	99%	1,003.0 µg/mL	+/- 23.0258
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,003.0 µg/mL	+/- 23.0258

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 01-Aug-2025 **Balance:** 1128360905

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Catalog No. : 555224 **Lot No.:** A0228494

S13269 ↓ S13298 } RC 1 08/06/25

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 : August 31, 2027 **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%	1,002.0 µg/mL	+/- 29.453715
2	Acetophenone	98-86-2	STBH8205	99%	1,001.0 µg/mL	+/- 29.424320
3	Benzaldehyde	100-52-7	RD250319RSR	99%	1,003.0 µg/mL	+/- 29.483110
4	Benzoic acid	65-85-0	MKCX1578	99%	1,001.0 µg/mL	+/- 29.424320
5	Biphenyl	92-52-4	MKCS5928	99%	1,002.0 µg/mL	+/- 29.453715

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Laith Clemente - Operations Technician I **Date Mixed:** 04-Aug-2025 **Balance:** 1128360905

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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. : 555869 **Lot No.:** A0201702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene 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

513148 ↓ 513157 RC 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	25,244.0 µg/mL	+/- 450.6896

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 05-Sep-2023 **Balance:** B707717271

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q3422
QUOTE NO.
COC Number 2045128 Q3423

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: AECOM
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner
PHONE: 212-377-8721 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond
PROJECT NO.: 60693795 LOCATION: Staten Isl
PROJECT MANAGER: Rob Forstner
e-mail: Robert.Forstner@aecom.com
PHONE: 11 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#:
ADDRESS: 11
CITY STATE: ZIP:
ATTENTION: Rob Forstner PHONE: 11

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: SVOCs 2: Pesticides TCL 3: Hg, Metals 4: PCBs, HexChrome 5: Dioxin- 6: Grain Size 7: TOCs 8: VOCs 9:

PRESERVATIVES

COMMENTS

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

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
1.	PR132-FB2-20251021	A		X	10/21	13:30	1	X	X	X	X	X			X		
2.	PR132-S15-000008-20251021	S		X	10/21	9:00	11	X	X	X	X	X	X	X	X		
3.	Temp Blank	A			10/21		1	X	X	X	X	X			X		
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Jim Alderson	10/21/25 1730	1. 10-21-25 1635
RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY SAMPLER:	DATE/TIME: 1740	RECEIVED BY:
3.	10-21-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.5 °C
Comments: _____

Page ____ of

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.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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 : Q3422 AECO02
Client Name : AECOM
Client Contact : Rob Forstner
Invoice Name : AECOM
Invoice Contact : Rob Forstner

Order Date : 10/22/2025 11:11:00 AM
Project Name : AE1-CTY 3.2.Z-PR-DOCK
Receive DateTime : 10/21/2025 5:40:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3422-01	PR132-S15-000008-20251021	Solid	10/21/2025	09:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3422-02	PR132-FB2-20251021	Water	10/21/2025	13:30					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 10/22/25 1245

Received By :
Date / Time : 10/22/25 1245

Storage Area : VOA Refridgerator Room