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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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LAB CHRONICLE

OrderID:	Q3468	**OrderDate:**	10/27/2025 11:00:00 AM
Client:	LiRo Engineers, Inc.	**Project:**	RFK Bridge RMB-Randall Island
Contact:	Martin Wesolowski	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3468-01	**MW-06**	**Water**			**10/23/25**			**10/24/25**
			SVOCMS Group1	8270E		10/28/25	10/29/25	
Q3468-02	**MW-08**	**Water**			**10/23/25**			**10/24/25**
			SVOCMS Group1	8270E		10/28/25	10/29/25	
Q3468-03	**MW-10**	**Water**			**10/23/25**			**10/24/25**
			SVOCMS Group1	8270E		10/28/25	10/29/25	
Q3468-04	**MW-11**	**Water**			**10/23/25**			**10/24/25**
			SVOCMS Group1	8270E		10/28/25	10/29/25	
Q3468-05	**MW-13**	**Water**			**10/23/25**			**10/24/25**
			SVOCMS Group1	8270E		10/28/25	10/29/25	
Q3468-06	**MW-12**	**Water**			**10/23/25**			**10/24/25**
			SVOCMS Group1	8270E		10/28/25	10/29/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3468

Client: LiRo Engineers, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-06								
Q3468-01	MW-06	WATER	Acenaphthene	14.200		0.56	5.1	ug/L
Q3468-01	MW-06	WATER	Fluorene	7.200		0.64	5.1	ug/L
Q3468-01	MW-06	WATER	Phenanthrene	6.100		0.51	5.1	ug/L
Q3468-01	MW-06	WATER	Anthracene	3.500	J	0.62	5.1	ug/L
Q3468-01	MW-06	WATER	Fluoranthene	6.900		0.84	5.1	ug/L
Q3468-01	MW-06	WATER	Pyrene	4.700	J	0.51	5.1	ug/L
			Total Svoc :	**42.60**				
			Total Concentration:	**42.60**				

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q3468

Client: LiRo Engineers, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB170286BL	PB170286BL	Nitrobenzene-d5	100	102	102		67	132
		2-Fluorobiphenyl	100	87.4	87		52	132
		Terphenyl-d14	100	79.4	79		42	152
PB170286BS	PB170286BS	Nitrobenzene-d5	100	93.9	94		67	132
		2-Fluorobiphenyl	100	79.9	80		52	132
		Terphenyl-d14	100	79.5	79		42	152
PB170286BSD	PB170286BSD	Nitrobenzene-d5	100	97.0	97		67	132
		2-Fluorobiphenyl	100	79.8	80		52	132
		Terphenyl-d14	100	80.6	81		42	152
Q3468-01	MW-06	Nitrobenzene-d5	100	120	120		67	132
		2-Fluorobiphenyl	100	95.3	95		52	132
		Terphenyl-d14	100	96.2	96		42	152
Q3468-02	MW-08	Nitrobenzene-d5	100	118	118		67	132
		2-Fluorobiphenyl	100	85.9	86		52	132
		Terphenyl-d14	100	87.9	88		42	152
Q3468-03	MW-10	Nitrobenzene-d5	100	132	132		67	132
		2-Fluorobiphenyl	100	110	110		52	132
		Terphenyl-d14	100	104	104		42	152
Q3468-04	MW-11	Nitrobenzene-d5	100	123	123		67	132
		2-Fluorobiphenyl	100	101	101		52	132
		Terphenyl-d14	100	92.9	93		42	152
Q3468-05	MW-13	Nitrobenzene-d5	100	113	113		67	132
		2-Fluorobiphenyl	100	94.7	95		52	132
		Terphenyl-d14	100	90.7	91		42	152
Q3468-06	MW-12	Nitrobenzene-d5	100	117	117		67	132
		2-Fluorobiphenyl	100	86.3	86		52	132
		Terphenyl-d14	100	92.3	92		42	152

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3468 **Analytical Method:** 8270E

Client: LiRo Engineers, Inc. **DataFile:** BG064638.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170286BS	Acenaphthylene	50	44.6	ug/L	89				79	103	
	Acenaphthene	50	45.1	ug/L	90				59	113	
	Fluorene	50	41.0	ug/L	82				64	107	
	Phenanthrene	50	40.4	ug/L	81				62	109	
	Anthracene	50	40.2	ug/L	80				65	110	
	Fluoranthene	50	41.6	ug/L	83				64	110	
	Pyrene	50	38.0	ug/L	76				71	103	
	Benzo(a)anthracene	50	40.7	ug/L	81				62	107	
	Chrysene	50	40.2	ug/L	80				61	108	
	Benzo(b)fluoranthene	50	43.3	ug/L	87				77	113	
	Benzo(k)fluoranthene	50	43.1	ug/L	86				77	105	
	Benzo(a)pyrene	50	45.1	ug/L	90				72	131	
	Indeno(1,2,3-cd)pyrene	50	43.3	ug/L	87				72	105	
	Dibenz(a,h)anthracene	50	43.7	ug/L	87				78	115	
	Benzo(g,h,i)perylene	50	45.2	ug/L	90				75	118	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3468 **Analytical Method:** 8270E

Client: LiRo Engineers, Inc. **DataFile:** BG064639.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170286BSD	Acenaphthylene	50	44.5	ug/L	89	0			79	103	20
	Acenaphthene	50	45.3	ug/L	91	0			59	113	20
	Fluorene	50	40.0	ug/L	80	2			64	107	20
	Phenanthrene	50	40.3	ug/L	81	0			62	109	20
	Anthracene	50	40.1	ug/L	80	0			65	110	20
	Fluoranthene	50	41.3	ug/L	83	1			64	110	20
	Pyrene	50	37.9	ug/L	76	0			71	103	20
	Benzo(a)anthracene	50	40.7	ug/L	81	0			62	107	20
	Chrysene	50	40.5	ug/L	81	1			61	108	20
	Benzo(b)fluoranthene	50	43.9	ug/L	88	1			77	113	20
	Benzo(k)fluoranthene	50	43.0	ug/L	86	0			77	105	20
	Benzo(a)pyrene	50	44.8	ug/L	90	1			72	131	20
	Indeno(1,2,3-cd)pyrene	50	43.3	ug/L	87	0			72	105	20
	Dibenz(a,h)anthracene	50	44.4	ug/L	89	2			78	115	20
	Benzo(g,h,i)perylene	50	44.6	ug/L	89	1			75	118	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170286BL

Lab Name: Alliance | Contract: LIRO01

Lab Code: ACE | SDG NO.: Q3468

Lab File ID: BG064637.D | Lab Sample ID: PB170286BL

Instrument ID: BNA_G | Date Extracted: 10/28/2025

Matrix: (soil/water) Water | Date Analyzed: 10/30/2025

Level: (low/med) LOW | Time Analyzed: 12:17

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170286BS	PB170286BS	BG064638.D	10/30/2025
PB170286BSD	PB170286BSD	BG064639.D	10/30/2025
MW-06	Q3468-01	BG064629.D	10/29/2025
MW-08	Q3468-02	BG064630.D	10/29/2025
MW-10	Q3468-03	BG064631.D	10/29/2025
MW-11	Q3468-04	BG064632.D	10/29/2025
MW-13	Q3468-05	BG064633.D	10/29/2025
MW-12	Q3468-06	BG064634.D	10/29/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: LIRO01

Lab Code: ACE — SDG NO.: Q3468

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: LIRO01

Lab Code: ACE — SDG NO.: Q3468

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
MW-06	Q3468-01	BG064629.D	10/29/2025	18:56
MW-08	Q3468-02	BG064630.D	10/29/2025	19:37
MW-10	Q3468-03	BG064631.D	10/29/2025	20:18
MW-11	Q3468-04	BG064632.D	10/29/2025	20:59
MW-13	Q3468-05	BG064633.D	10/29/2025	21:40
MW-12	Q3468-06	BG064634.D	10/29/2025	22:21

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance — Contract: LIRO01

Lab Code: ACE — SDG NO.: Q3468

Lab File ID: BG064635.D — DFTPP Injection Date: 10/30/2025

Instrument ID: BNA_G — DFTPP Injection Time: 10:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.7) 1
69	Mass 69 relative abundance	34.4
70	Less than 2.0% of mass 69	0.0 (0.0) 1
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.3
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	94.2
443	15.0 - 24.0% of mass 442	18.8 (20) 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	BG064636.D	10/30/2025	11:36
PB170286BL	PB170286BL	BG064637.D	10/30/2025	12:17
PB170286BS	PB170286BS	BG064638.D	10/30/2025	12:58
PB170286BSD	PB170286BSD	BG064639.D	10/30/2025	13:39

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3468

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	MW-12	31994	8.22	123990	11.04	102275	14.84
02	MW-06	29669	8.21	117287	11.04	94541	14.84
03	MW-08	30503	8.22	122508	11.04	99505	14.84
04	MW-10	27605	8.22	111146	11.04	81763	14.84
05	MW-11	33286	8.22	137382	11.04	103755	14.84
06	MW-13	31875	8.22	122159	11.04	91004	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.: Q3468

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	MW-12	212573	17.57	278839	21.84	309539	25.19
02	MW-06	229494	17.57	284022	21.85	312536	25.19
03	MW-08	226879	17.57	289509	21.85	314104	25.19
04	MW-10	192626	17.58	251896	21.85	278585	25.19
05	MW-11	234664	17.57	295229	21.85	321514	25.19
06	MW-13	219936	17.57	277573	21.85	306088	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.: Q3468

Client ID : SSTDCCC040 Date Analyzed: 10/30/2025

Lab File ID: BG064636.D Time Analyzed: 11:36

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	32501	8.219	127691	11.05	94503	14.84
	UPPER LIMIT	65002	8.719	255382	11.545	189006	15.341
	LOWER LIMIT	16250.5	7.719	63845.5	10.545	47251.5	14.341
	EPA SAMPLE NO.						
01	PB170286BL	25136	8.22	99198	11.04	73729	14.84
02	PB170286BS	30784	8.22	124677	11.04	97021	14.84
03	PB170286BSD	30191	8.22	121649	11.04	100532	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.: Q3468

Client ID: SSTDCCC040 Date Analyzed: 10/30/2025

Lab File ID: BG064636.D Time Analyzed: 11:36

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	210658	17.579	257813	21.856	295961	25.199
	UPPER LIMIT	421316	18.079	515626	22.356	591922	25.699
	LOWER LIMIT	105329	17.079	128907	21.356	147981	24.699
	EPA SAMPLE NO.						
01	PB170286BL	191571	17.58	261407	21.85	302809	25.19
02	PB170286BS	242858	17.58	288177	21.85	302049	25.20
03	PB170286BSD	246375	17.58	288758	21.86	302411	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

Raw Data: **BG064629.D**

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Report of Analysis

Client:	LiRo Engineers, Inc.	Date Collected:	10/23/25
Project:	RFK Bridge RMB-Randall Island	Date Received:	10/24/25
Client Sample ID:	MW-06	SDG No.:	Q3468
Lab Sample ID:	Q3468-01	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	980 mL Final Vol: 1000 uL	Test:	SVOCMS Group1
Prep Method :	3510C Prep Date: 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
208-96-8	Acenaphthylene	5.10	U	1	0.77	5.10	ug/L	10/29/25 18:56	PB170286
83-32-9	Acenaphthene	14.2		1	0.56	5.10	ug/L	10/29/25 18:56	PB170286
86-73-7	Fluorene	7.20		1	0.64	5.10	ug/L	10/29/25 18:56	PB170286
85-01-8	Phenanthrene	6.10		1	0.51	5.10	ug/L	10/29/25 18:56	PB170286
120-12-7	Anthracene	3.50	J	1	0.62	5.10	ug/L	10/29/25 18:56	PB170286
206-44-0	Fluoranthene	6.90		1	0.84	5.10	ug/L	10/29/25 18:56	PB170286
129-00-0	Pyrene	4.70	J	1	0.51	5.10	ug/L	10/29/25 18:56	PB170286
56-55-3	Benzo(a)anthracene	5.10	U	1	0.46	5.10	ug/L	10/29/25 18:56	PB170286
218-01-9	Chrysene	5.10	U	1	0.45	5.10	ug/L	10/29/25 18:56	PB170286
205-99-2	Benzo(b)fluoranthene	5.10	U	1	0.50	5.10	ug/L	10/29/25 18:56	PB170286
207-08-9	Benzo(k)fluoranthene	5.10	U	1	0.49	5.10	ug/L	10/29/25 18:56	PB170286
50-32-8	Benzo(a)pyrene	5.10	U	1	0.56	5.10	ug/L	10/29/25 18:56	PB170286
193-39-5	Indeno(1,2,3-cd)pyrene	5.10	U	1	0.60	5.10	ug/L	10/29/25 18:56	PB170286
53-70-3	Dibenzo(a,h)anthracene	5.10	U	1	0.68	5.10	ug/L	10/29/25 18:56	PB170286
191-24-2	Benzo(g,h,i)perylene	5.10	U	1	0.70	5.10	ug/L	10/29/25 18:56	PB170286
SURROGATES									
4165-60-0	Nitrobenzene-d5	120			67 - 132	120%	SPK: 100		
321-60-8	2-Fluorobiphenyl	95.3			52 - 132	95%	SPK: 100		
1718-51-0	Terphenyl-d14	96.2			42 - 152	96%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	29700							
1146-65-2	Naphthalene-d8	117000							
15067-26-2	Acenaphthene-d10	94500							
1517-22-2	Phenanthrene-d10	229000							
1719-03-5	Chrysene-d12	284000							
1520-96-3	Perylene-d12	313000							

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: **BG064629.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064629.D
Acq On : 29 Oct 2025 18:56
Operator : RC/JU
Sample : Q3468-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 30 04:58:25 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 :
MW-06

Manual Integrations APPROVED

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Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.214	152	29669	20.000	ng	0.00
21) Naphthalene-d8	11.040	136	117287	20.000	ng	-0.01
39) Acenaphthene-d10	14.836	164	94541	20.000	ng	0.00
64) Phenanthrene-d10	17.574	188	229494	20.000	ng	0.00
76) Chrysene-d12	21.845	240	284022	20.000	ng	-0.02
86) Perylene-d12	25.188	264	312536	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.746	112	119186	67.428	ng	0.00
7) Phenol-d6	7.344	99	99502	41.023	ng	-0.01
23) Nitrobenzene-d5	9.377	82	235280	120.487	ng	-0.01
42) 2,4,6-Tribromophenol	16.316	330	237643	174.160	ng	0.00
45) 2-Fluorobiphenyl	13.467	172	594168	95.261	ng	-0.01
79) Terphenyl-d14	20.165	244	1447151	96.155	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	11.093	128	245262	37.716	ng	99
37) 2-Methylnaphthalene	12.685	142	11119	2.329	ng	90
38) 1-Methylnaphthalene	12.903	142	58943m	12.547	ng	
52) Acenaphthene	14.900	154	76013	13.903	ng	99
55) Dibenzofuran	15.235	168	79121	8.951	ng	98
58) Fluorene	15.876	166	48529	7.030	ng	95
71) Phenanthrene	17.615	178	75579	6.022	ng	98
72) Anthracene	17.703	178	43317	3.393	ng	98
73) Carbazole	17.967	167	184979	16.431	ng	96
75) Fluoranthene	19.612	202	107055	6.809	ng	99
78) Pyrene	19.971	202	85251	4.594	ng	96

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

Sample Results: **BG064629.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064629.D
Acq On : 29 Oct 2025 18:56
Operator : RC/JU
Sample : Q3468-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 30 04:58:25 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 :
MW-06

Manual Integrations APPROVED

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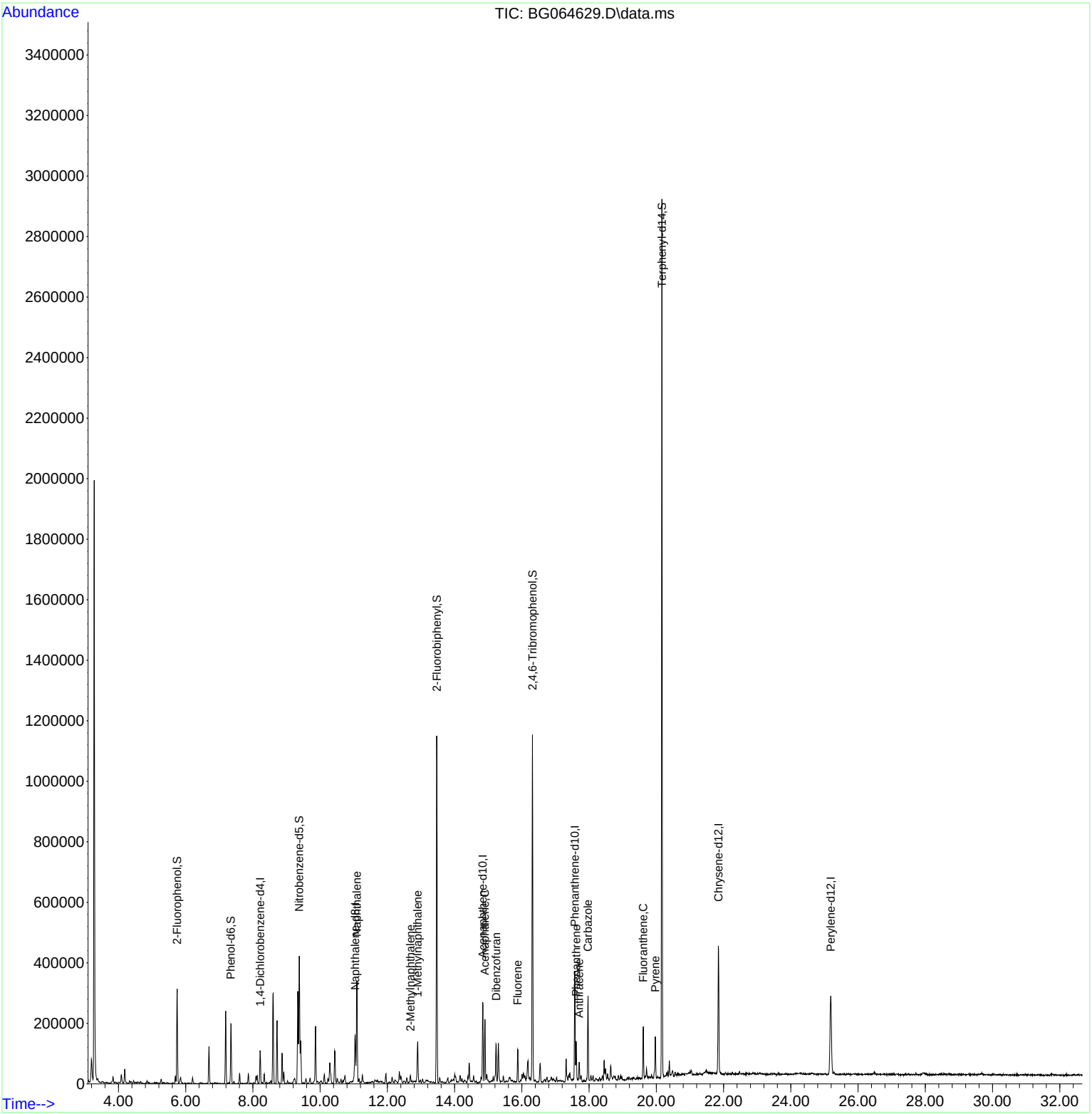
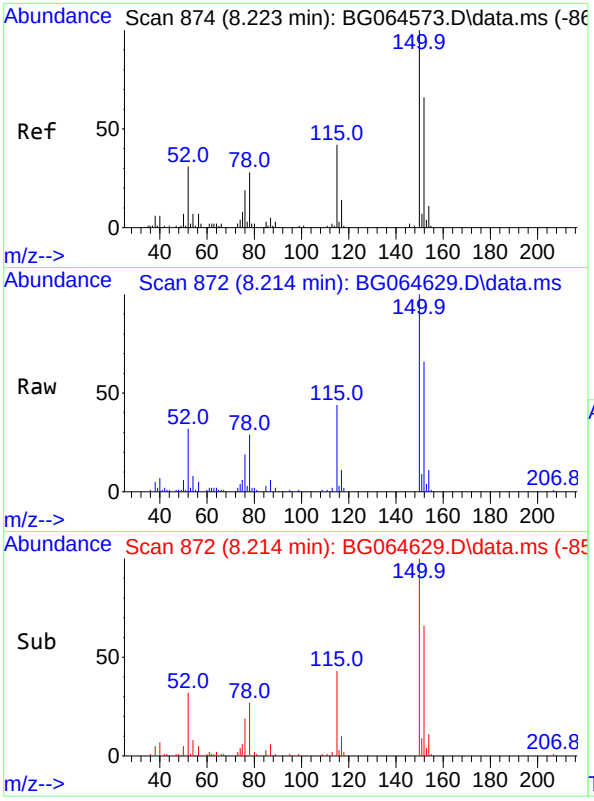
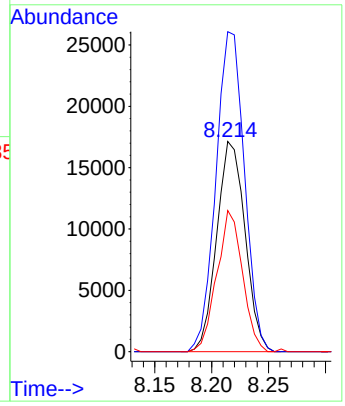




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.214 min Scan# 8
Delta R.T. -0.007 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:152 Resp: 2966

Ion	Ratio	Lower	Upper
152	100		
150	152.2	122.2	183.4
115	67.2	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
MW-06

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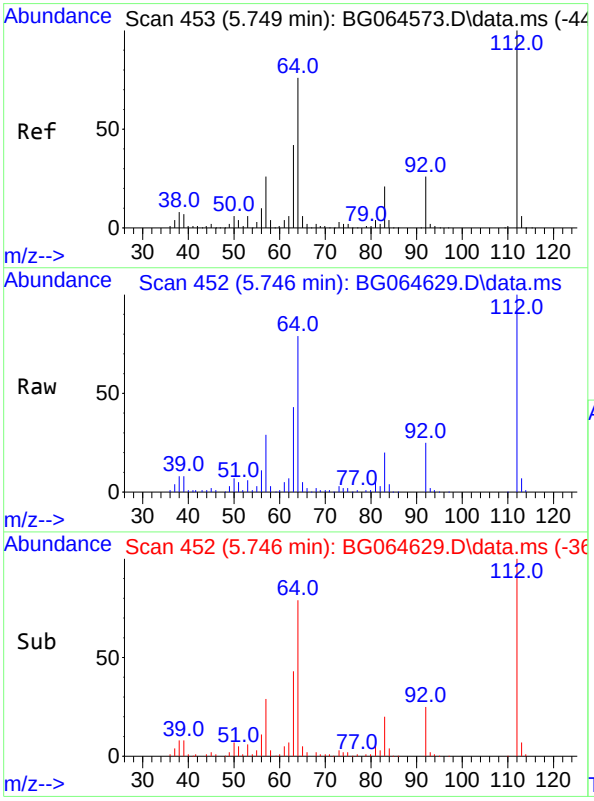
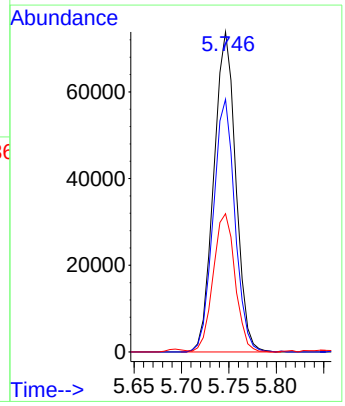
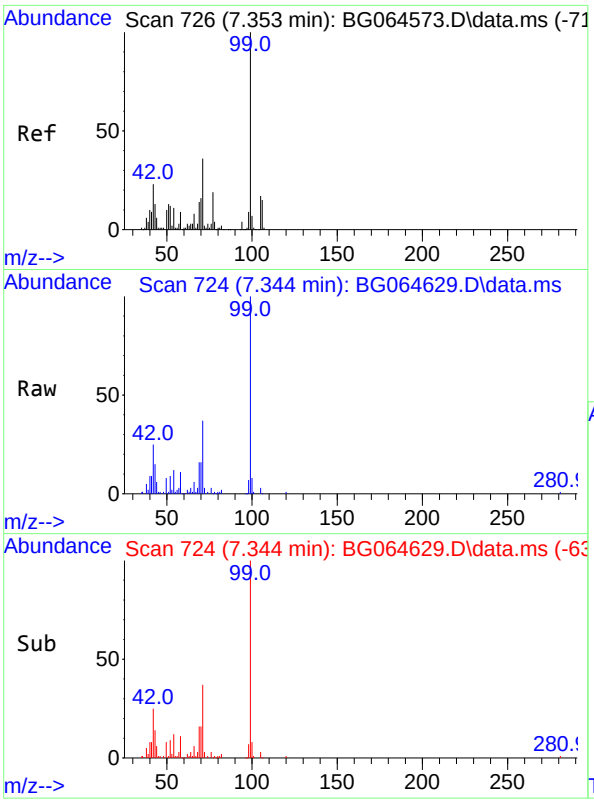


#5
2-Fluorophenol
Concen: 67.428 ng
RT: 5.746 min Scan# 452
Delta R.T. -0.001 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:112 Resp: 119186

Ion	Ratio	Lower	Upper
112	100		
64	79.0	60.7	91.1
63	43.2	33.4	50.0

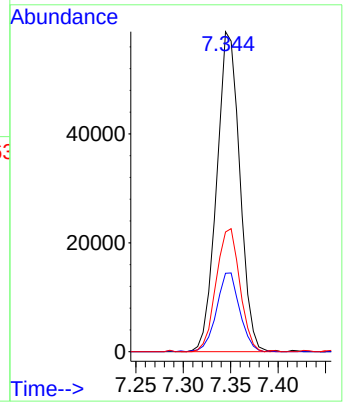




#7
Phenol-d6
Concen: 41.023 ng
RT: 7.344 min Scan# 7
Delta R.T. -0.012 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion: 99 Resp: 9950

Ion	Ratio	Lower	Upper
99	100		
42	24.5	18.3	27.5
71	37.4	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
MW-06

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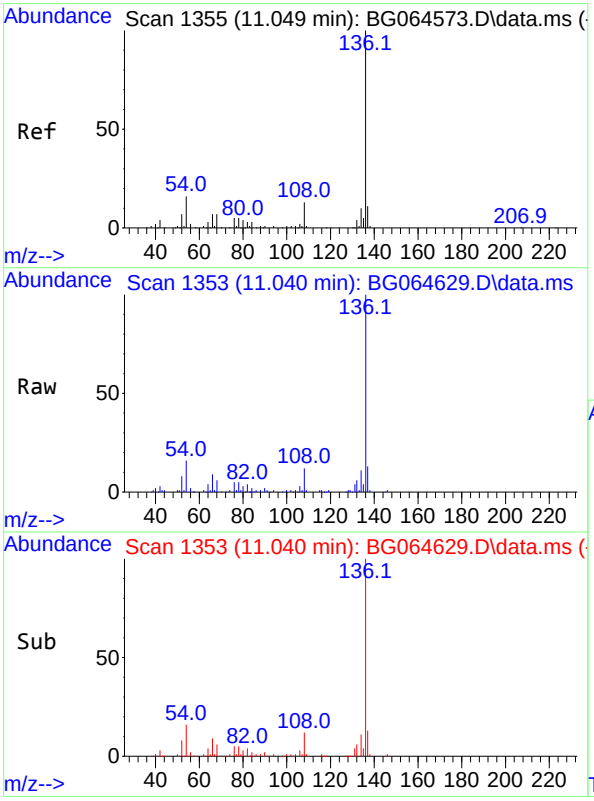
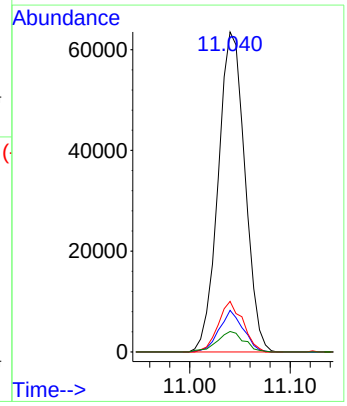
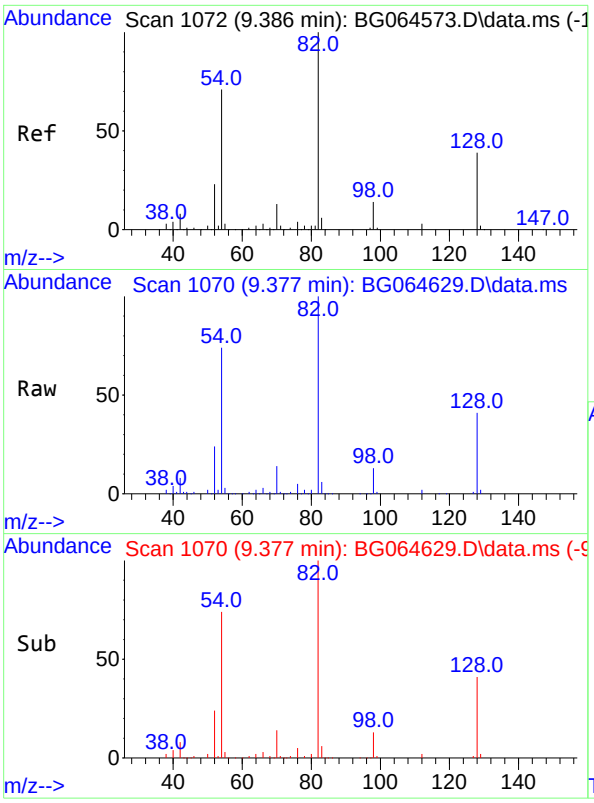


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.040 min Scan# 1353
Delta R.T. -0.012 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:136 Resp: 117287

Ion	Ratio	Lower	Upper
136	100		
137	13.0	9.2	13.8
54	15.8	12.6	19.0
68	6.4	5.7	8.5





#23
Nitrobenzene-d5
Concen: 120.487 ng
RT: 9.377 min Scan# 1
Delta R.T. -0.013 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion: 82 Resp: 23528

Ion	Ratio	Lower	Upper
82	100		
128	40.5	31.3	46.9
54	74.4	56.6	84.8

Instrument :
BNA_G
ClientSampleId :
MW-06

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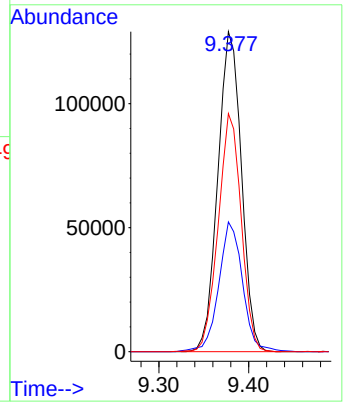
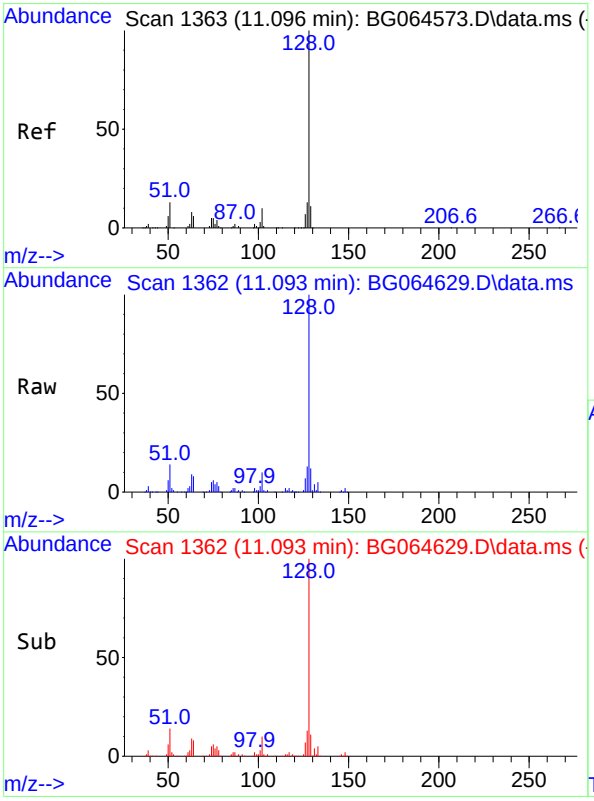
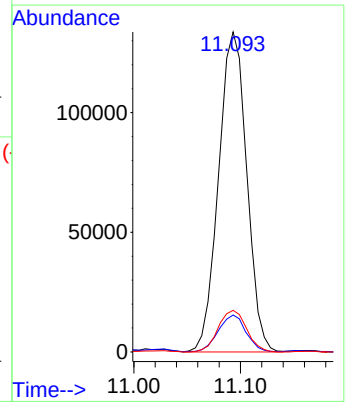


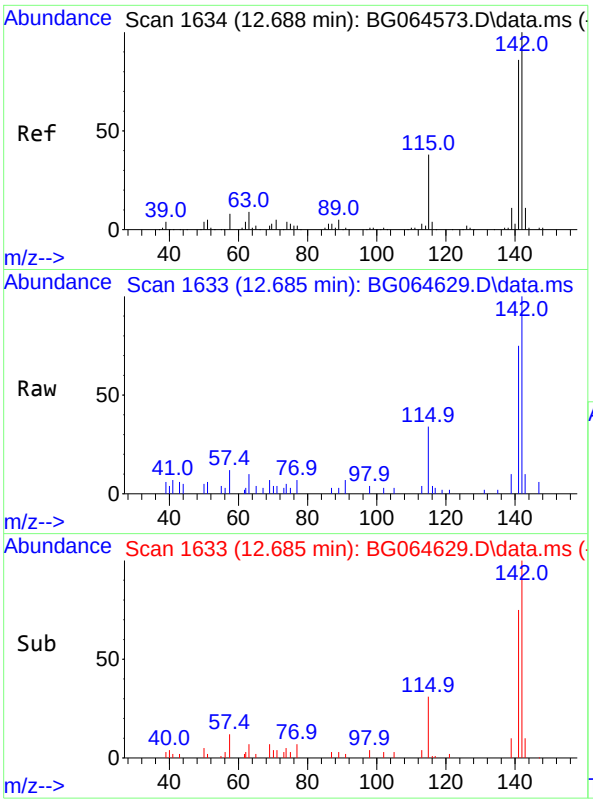


#31
Naphthalene
Concen: 37.716 ng
RT: 11.093 min Scan# 1362
Delta R.T. -0.006 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:128 Resp: 245262

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	13.0	10.6	15.8

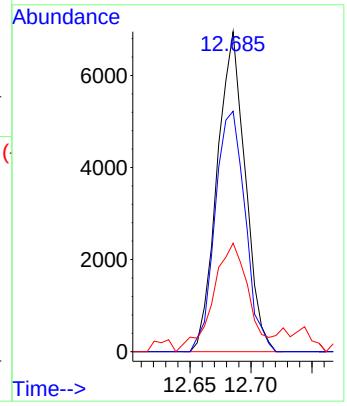




#37
2-Methylnaphthalene
Concen: 2.329 ng
RT: 12.685 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:142 Resp: 1111

Ion	Ratio	Lower	Upper
142	100		
141	75.2	68.9	103.3
115	33.9	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
MW-06

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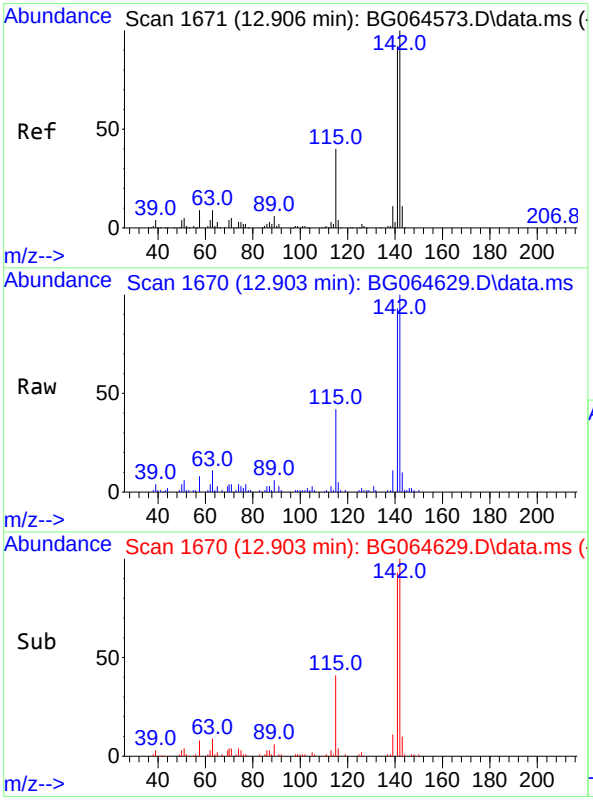
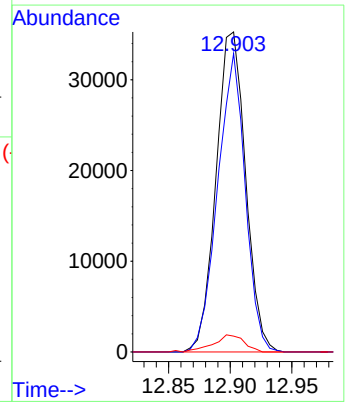
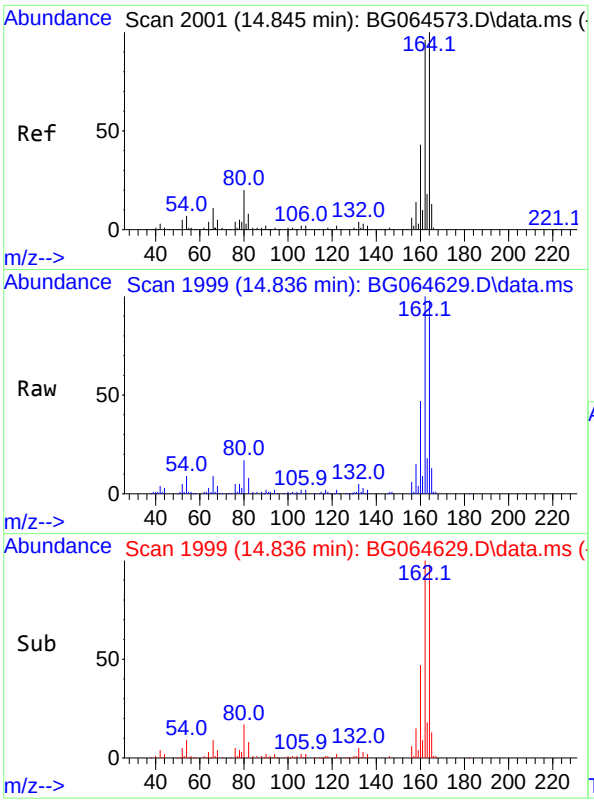


#38
1-Methylnaphthalene
Concen: 12.547 ng m
RT: 12.903 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:142 Resp: 58943

Ion	Ratio	Lower	Upper
142	100		
141	93.2	73.3	109.9
116	5.0	3.1	4.7#

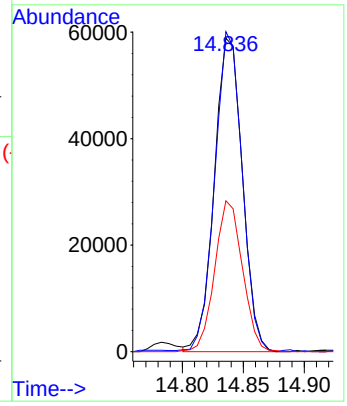




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.836 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:164 Resp: 9454

Ion	Ratio	Lower	Upper
164	100		
162	102.1	77.0	115.6
160	48.1	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
MW-06

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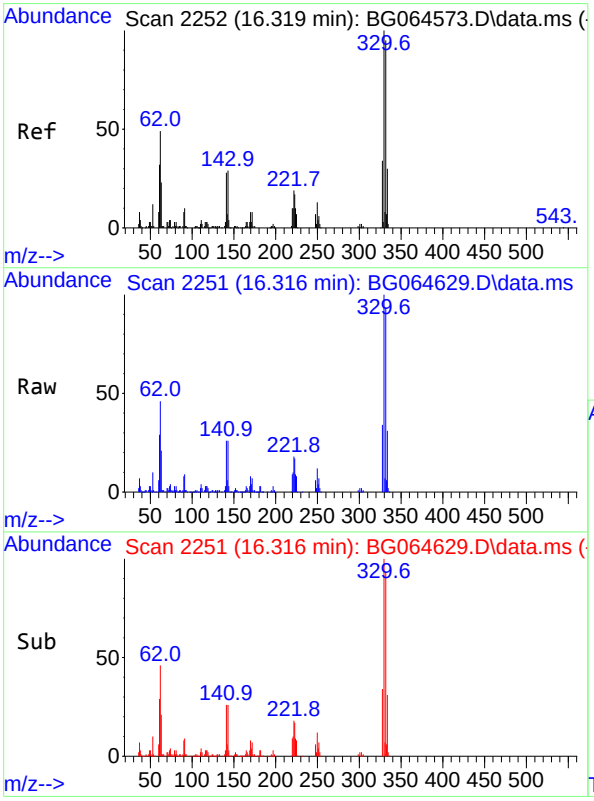
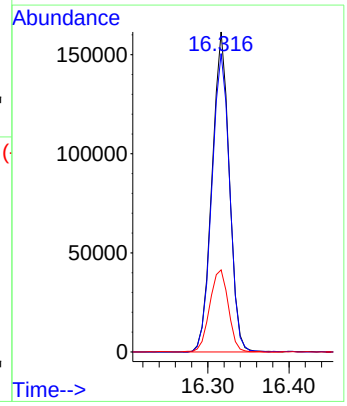
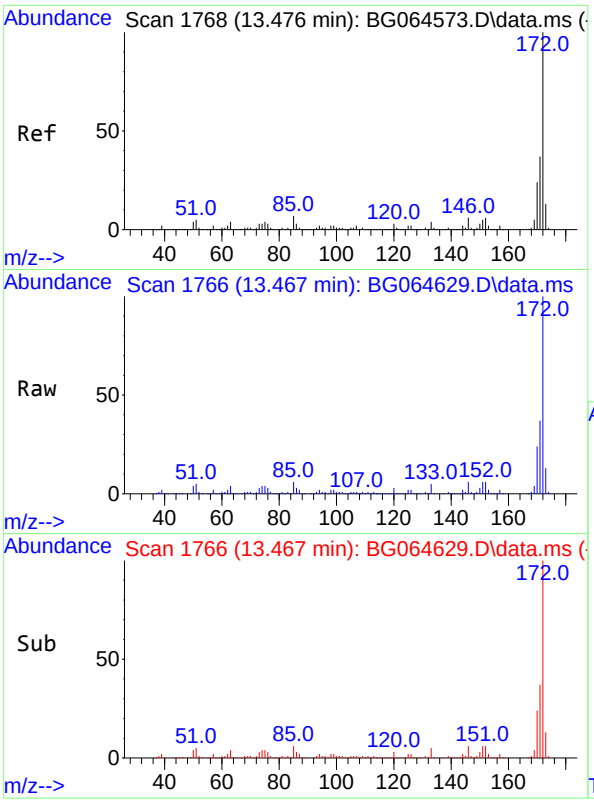


#42
2,4,6-Tribromophenol
Concen: 174.160 ng
RT: 16.316 min Scan# 2251
Delta R.T. -0.007 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:330 Resp: 237643

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.0	117.0
141	27.7	21.8	32.6

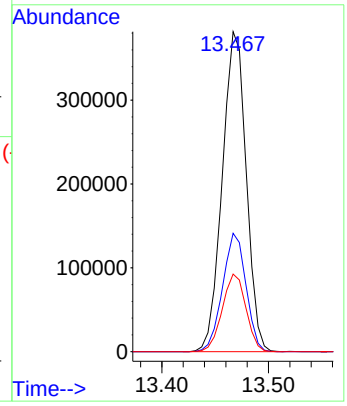




#45
2-Fluorobiphenyl
Concen: 95.261 ng
RT: 13.467 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:172 Resp: 59416

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.4	44.0
170	24.3	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
MW-06

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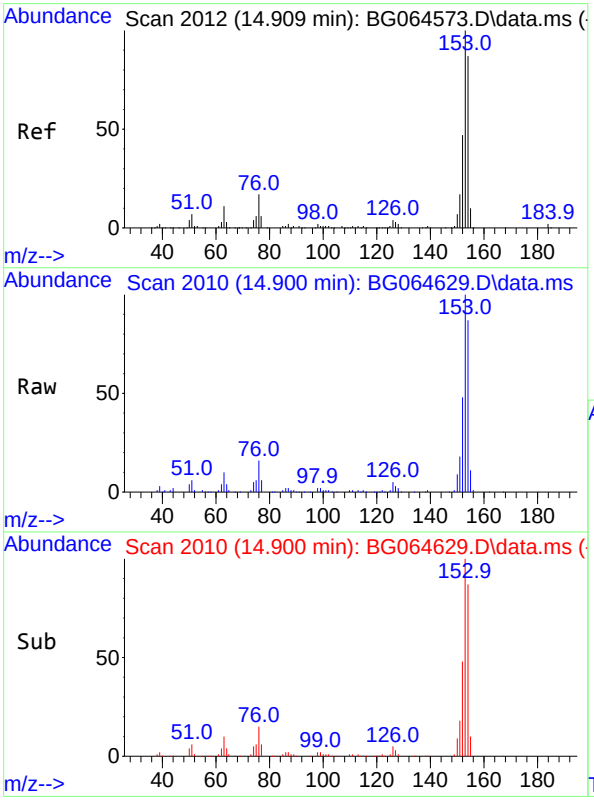
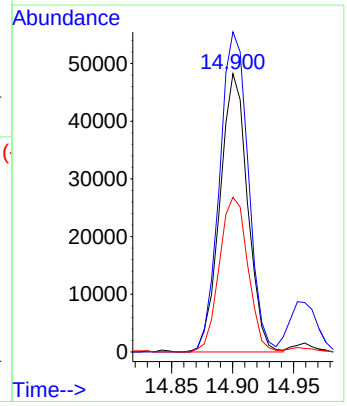
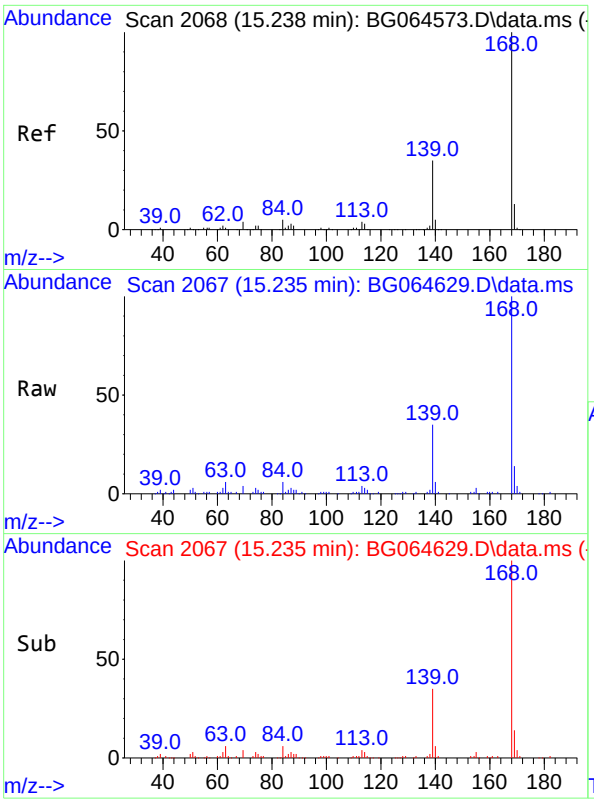


#52
Acenaphthene
Concen: 13.903 ng
RT: 14.900 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:154 Resp: 76013

Ion	Ratio	Lower	Upper
154	100		
153	115.0	92.2	138.4
152	55.6	43.2	64.8

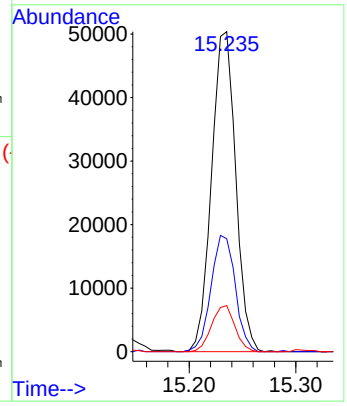




#55
Dibenzofuran
Concen: 8.951 ng
RT: 15.235 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:168 Resp: 7912

Ion	Ratio	Lower	Upper
168	100		
139	35.3	27.8	41.8
169	14.4	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
MW-06

Manual Integrations
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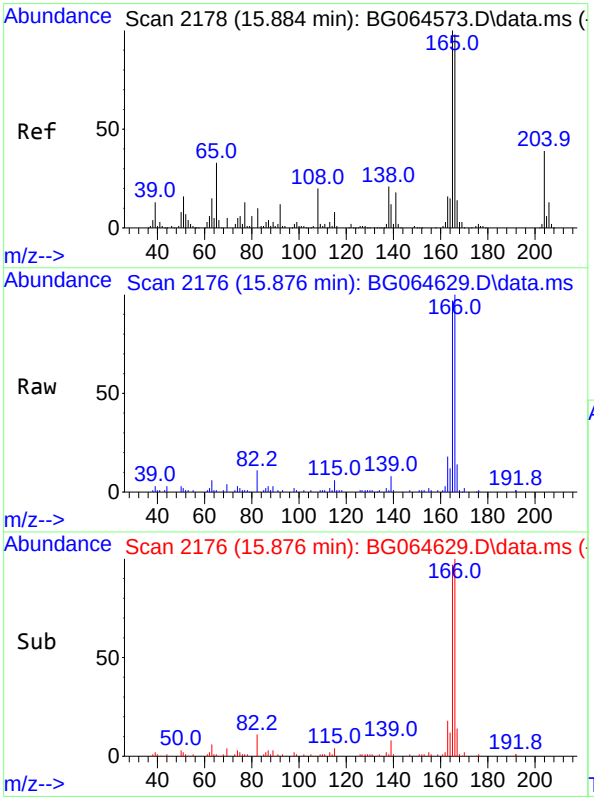
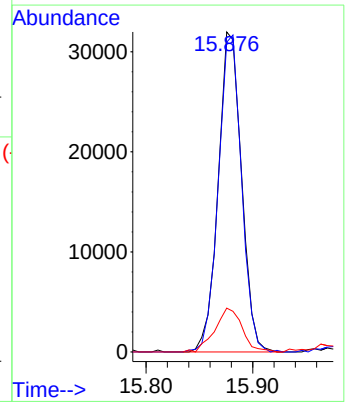
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

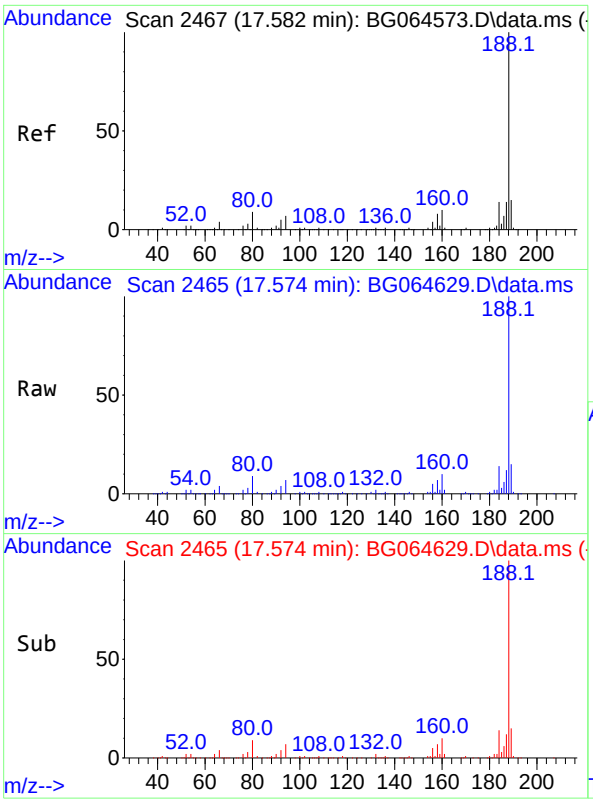


#58
Fluorene
Concen: 7.030 ng
RT: 15.876 min Scan# 2176
Delta R.T. -0.012 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:166 Resp: 48529

Ion	Ratio	Lower	Upper
166	100		
165	96.8	81.5	122.3
167	13.7	11.4	17.0

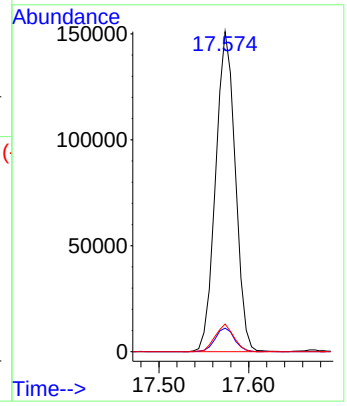




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.574 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:188 Resp: 22949

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.7	8.5
80	8.7	6.8	10.2



Instrument :
BNA_G
ClientSampleId :
MW-06

Manual Integrations
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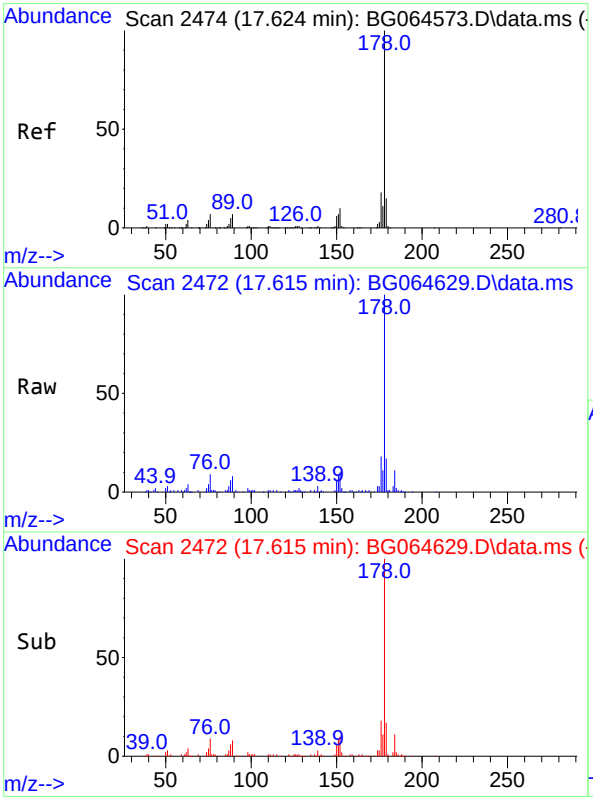
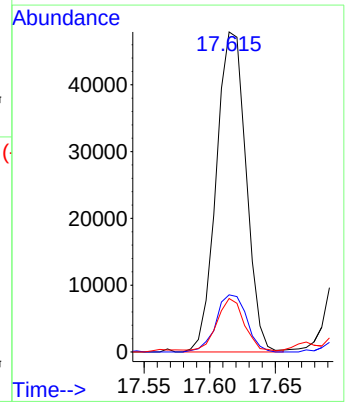
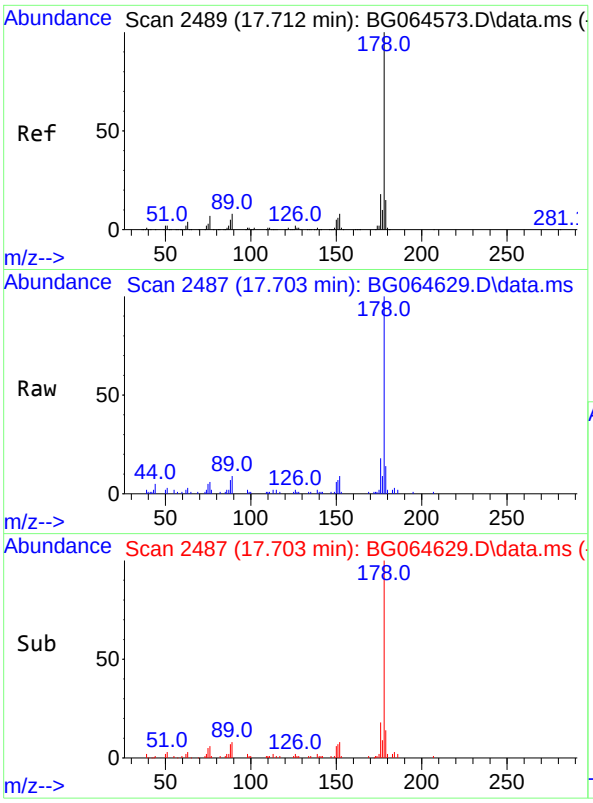


#71
Phenanthrene
Concen: 6.022 ng
RT: 17.615 min Scan# 2472
Delta R.T. -0.012 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:178 Resp: 75579

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.7	22.1
179	16.7	12.2	18.4





#72
Anthracene
Concen: 3.393 ng
RT: 17.703 min Scan# 24
Delta R.T. -0.012 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:178 Resp: 4331

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.4	21.6
179	14.1	12.4	18.6

Instrument :
BNA_G
ClientSampleId :
MW-06

Manual Integrations
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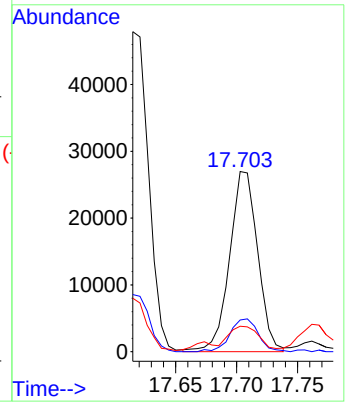
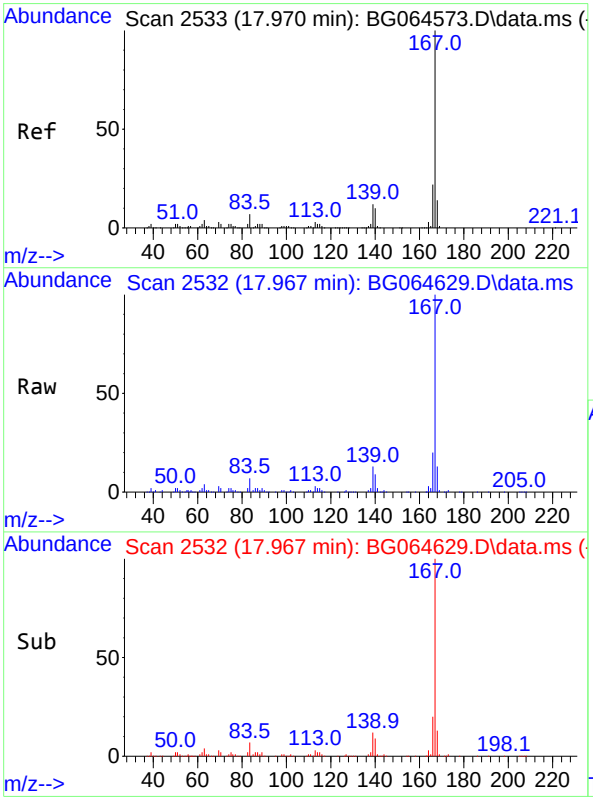
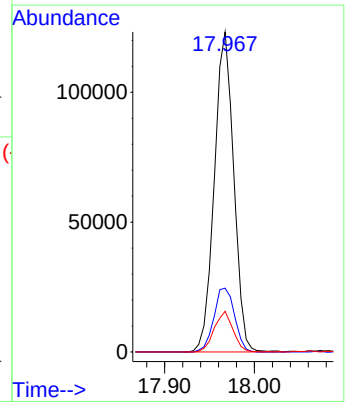


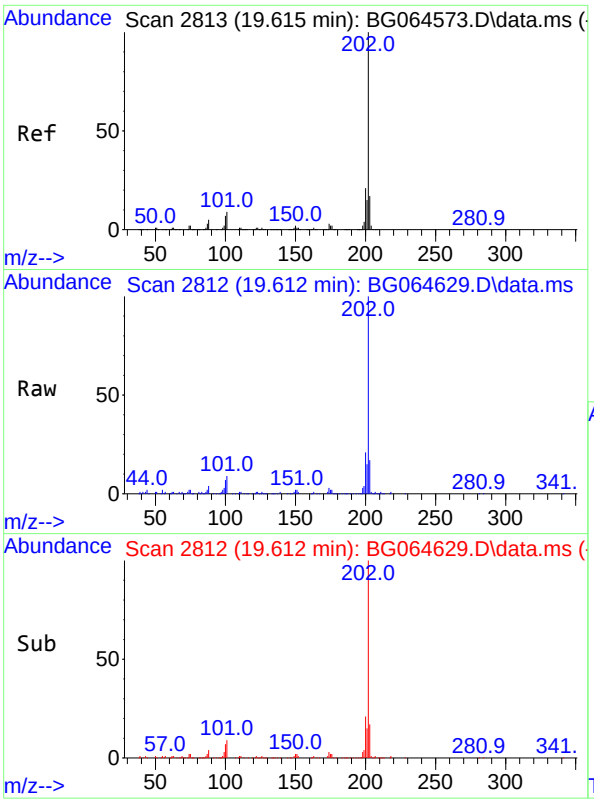


#73
Carbazole
Concen: 16.431 ng
RT: 17.967 min Scan# 2532
Delta R.T. -0.006 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:167 Resp: 184979

Ion	Ratio	Lower	Upper
167	100		
166	19.9	17.9	26.9
139	12.7	9.7	14.5

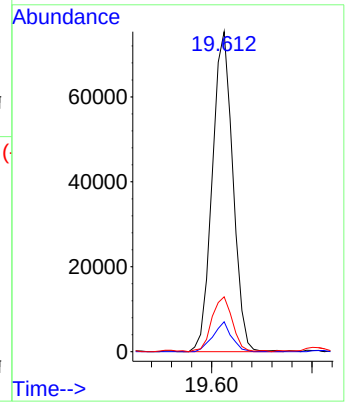




#75
Fluoranthene
Concen: 6.809 ng
RT: 19.612 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:202 Resp: 10705

Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	28.7
203	17.2	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
MW-06

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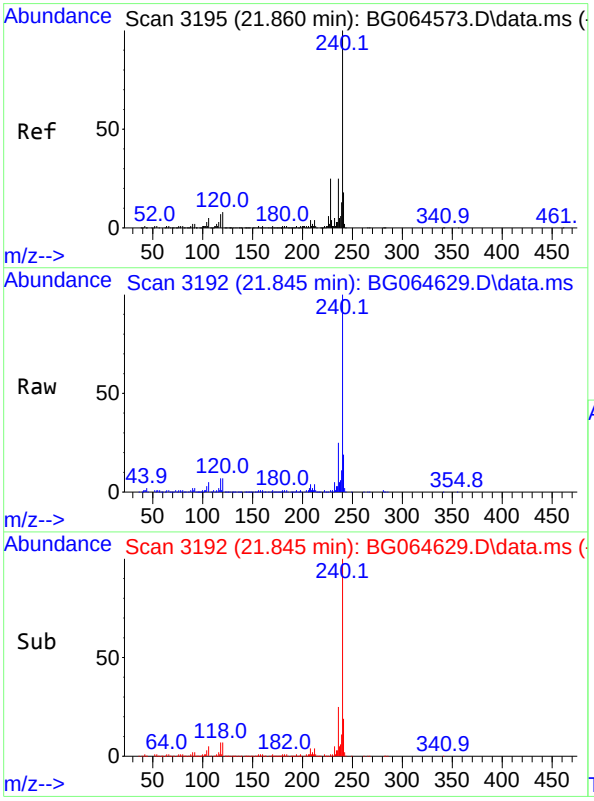
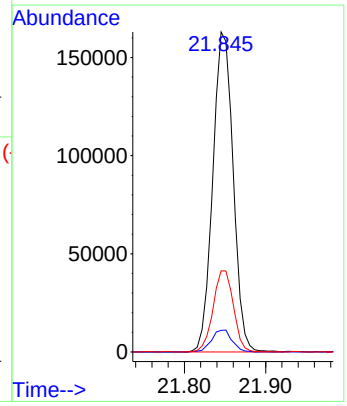
Supervised By :mohammad ahmed 11/05/2025

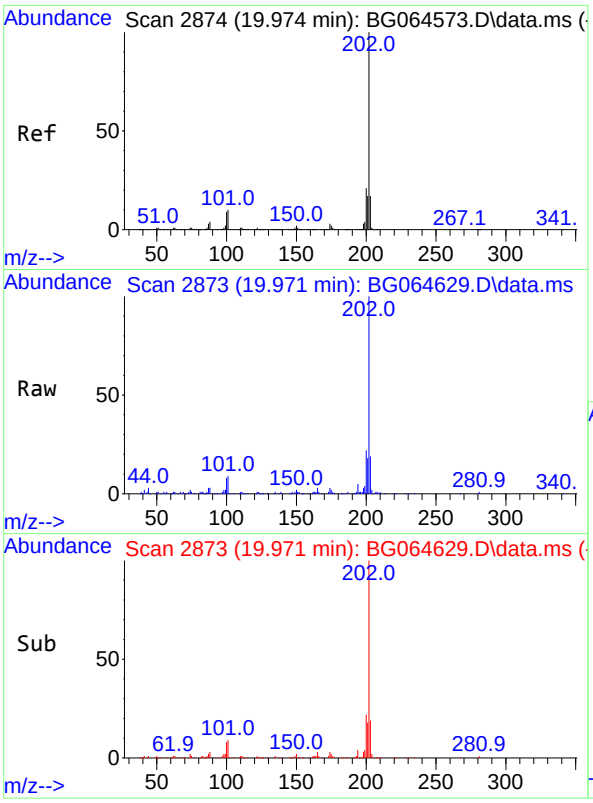


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.845 min Scan# 3192
Delta R.T. -0.018 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:240 Resp: 284022

Ion	Ratio	Lower	Upper
240	100		
120	6.7	6.5	9.7
236	25.4	20.2	30.2

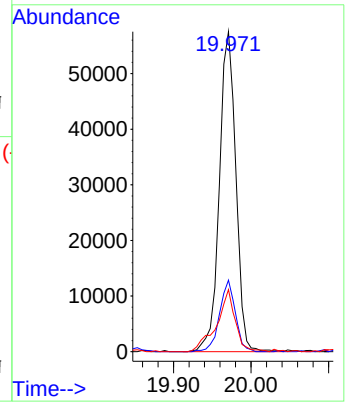




#78
Pyrene
Concen: 4.594 ng
RT: 19.971 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:202 Resp: 8525

Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.0	25.4
203	19.4	13.8	20.6



Instrument :
BNA_G
ClientSampleId :
MW-06

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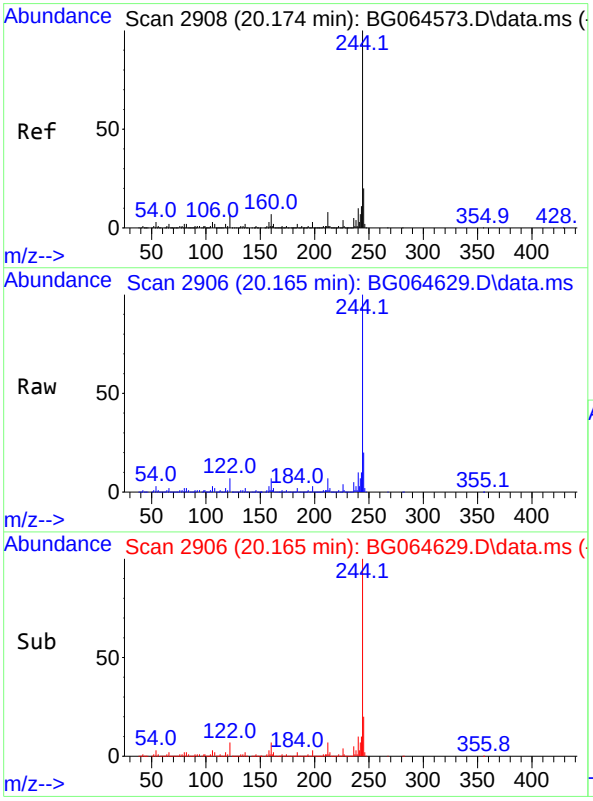
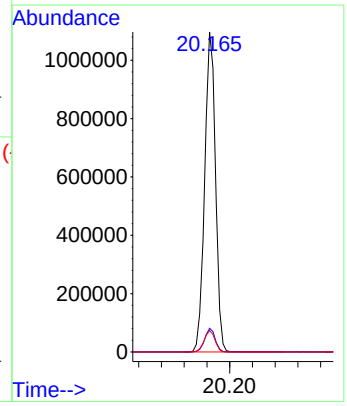
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

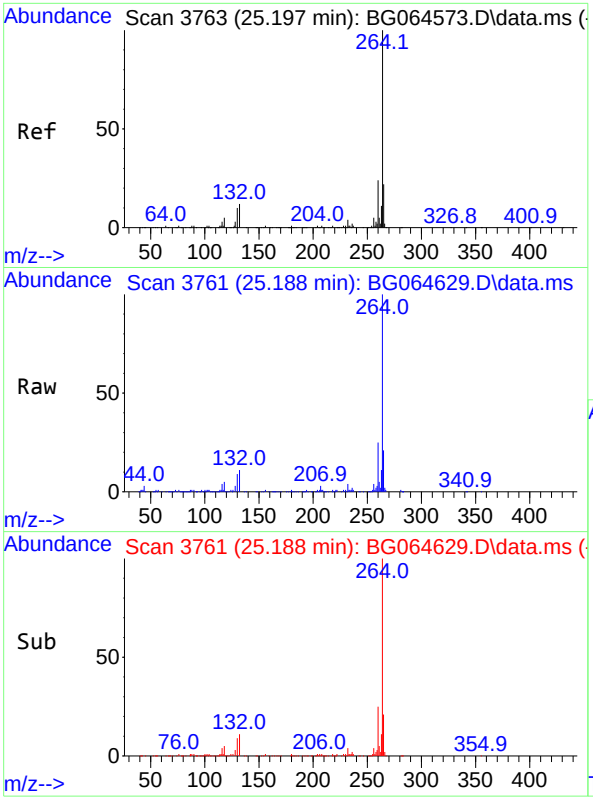


#79
Terphenyl-d14
Concen: 96.155 ng
RT: 20.165 min Scan# 2906
Delta R.T. -0.012 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:244 Resp: 1447151

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.1	9.1
122	6.7	5.6	8.4

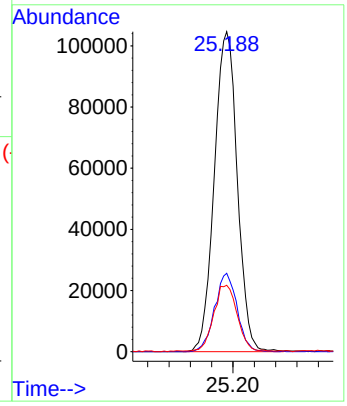




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.188 min Scan# 3
Delta R.T. -0.012 min
Lab File: BG064629.D
Acq: 29 Oct 2025 18:56

Tgt Ion:264 Resp: 31253

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.0	28.4
265	20.7	17.6	26.4



Instrument :
BNA_G
ClientSampleId :
MW-06

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

Raw Data: **BG064630.D**

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

Report of Analysis

Client:	LiRo Engineers, Inc.			Date Collected:	10/23/25
Project:	RFK Bridge RMB-Randall Island			Date Received:	10/24/25
Client Sample ID:	MW-08			SDG No.:	Q3468
Lab Sample ID:	Q3468-02			Matrix:	Water
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	990 mL	Final Vol:	1000 uL	Test:	SVOCMS Group1
Prep Method :	3510C	Prep Date:	10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
208-96-8	Acenaphthylene	5.10	U	1	0.76	5.10	ug/L	10/29/25 19:37	PB170286
83-32-9	Acenaphthene	5.10	U	1	0.56	5.10	ug/L	10/29/25 19:37	PB170286
86-73-7	Fluorene	5.10	U	1	0.64	5.10	ug/L	10/29/25 19:37	PB170286
85-01-8	Phenanthrene	5.10	U	1	0.51	5.10	ug/L	10/29/25 19:37	PB170286
120-12-7	Anthracene	5.10	U	1	0.62	5.10	ug/L	10/29/25 19:37	PB170286
206-44-0	Fluoranthene	5.10	U	1	0.83	5.10	ug/L	10/29/25 19:37	PB170286
129-00-0	Pyrene	5.10	U	1	0.51	5.10	ug/L	10/29/25 19:37	PB170286
56-55-3	Benzo(a)anthracene	5.10	U	1	0.45	5.10	ug/L	10/29/25 19:37	PB170286
218-01-9	Chrysene	5.10	U	1	0.44	5.10	ug/L	10/29/25 19:37	PB170286
205-99-2	Benzo(b)fluoranthene	5.10	U	1	0.49	5.10	ug/L	10/29/25 19:37	PB170286
207-08-9	Benzo(k)fluoranthene	5.10	U	1	0.48	5.10	ug/L	10/29/25 19:37	PB170286
50-32-8	Benzo(a)pyrene	5.10	U	1	0.56	5.10	ug/L	10/29/25 19:37	PB170286
193-39-5	Indeno(1,2,3-cd)pyrene	5.10	U	1	0.60	5.10	ug/L	10/29/25 19:37	PB170286
53-70-3	Dibenzo(a,h)anthracene	5.10	U	1	0.68	5.10	ug/L	10/29/25 19:37	PB170286
191-24-2	Benzo(g,h,i)perylene	5.10	U	1	0.70	5.10	ug/L	10/29/25 19:37	PB170286
SURROGATES									
4165-60-0	Nitrobenzene-d5	118			67 - 132	118%	SPK: 100		
321-60-8	2-Fluorobiphenyl	85.9			52 - 132	86%	SPK: 100		
1718-51-0	Terphenyl-d14	87.9			42 - 152	88%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	30500							
1146-65-2	Naphthalene-d8	123000							
15067-26-2	Acenaphthene-d10	99500							
1517-22-2	Phenanthrene-d10	227000							
1719-03-5	Chrysene-d12	290000							
1520-96-3	Perylene-d12	314000							

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: **BG064630.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064630.D
Acq On : 29 Oct 2025 19:37
Operator : RC/JU
Sample : Q3468-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 30 04:58:50 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 :
MW-08

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/30/2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	30503	20.000	ng	0.00
21) Naphthalene-d8	11.040	136	122508	20.000	ng	-0.01
39) Acenaphthene-d10	14.836	164	99505	20.000	ng	0.00
64) Phenanthrene-d10	17.574	188	226879	20.000	ng	0.00
76) Chrysene-d12	21.845	240	289509	20.000	ng	-0.02
86) Perylene-d12	25.189	264	314104	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	130640	71.888	ng	0.00
7) Phenol-d6	7.351	99	119611	47.965	ng	0.00
23) Nitrobenzene-d5	9.384	82	240095	117.713	ng	0.00
42) 2,4,6-Tribromophenol	16.317	330	227039	158.088	ng	0.00
45) 2-Fluorobiphenyl	13.467	172	563588	85.851	ng	-0.01
79) Terphenyl-d14	20.165	244	1347806	87.857	ng	-0.01
Target Compounds						Qvalue
10) Phenol	7.380	94	6549	2.375	ng	# 78
27) 2,4-Dimethylphenol	10.224	122	38621	20.798	ng	# 83
31) Naphthalene	11.099	128	820136	120.745	ng	99
37) 2-Methylnaphthalene	12.686	142	48548	9.735	ng	95
38) 1-Methylnaphthalene	12.903	142	86525m	17.633	ng	

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064630.D
Acq On : 29 Oct 2025 19:37
Operator : RC/JU
Sample : Q3468-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 30 04:58:50 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 :
MW-08

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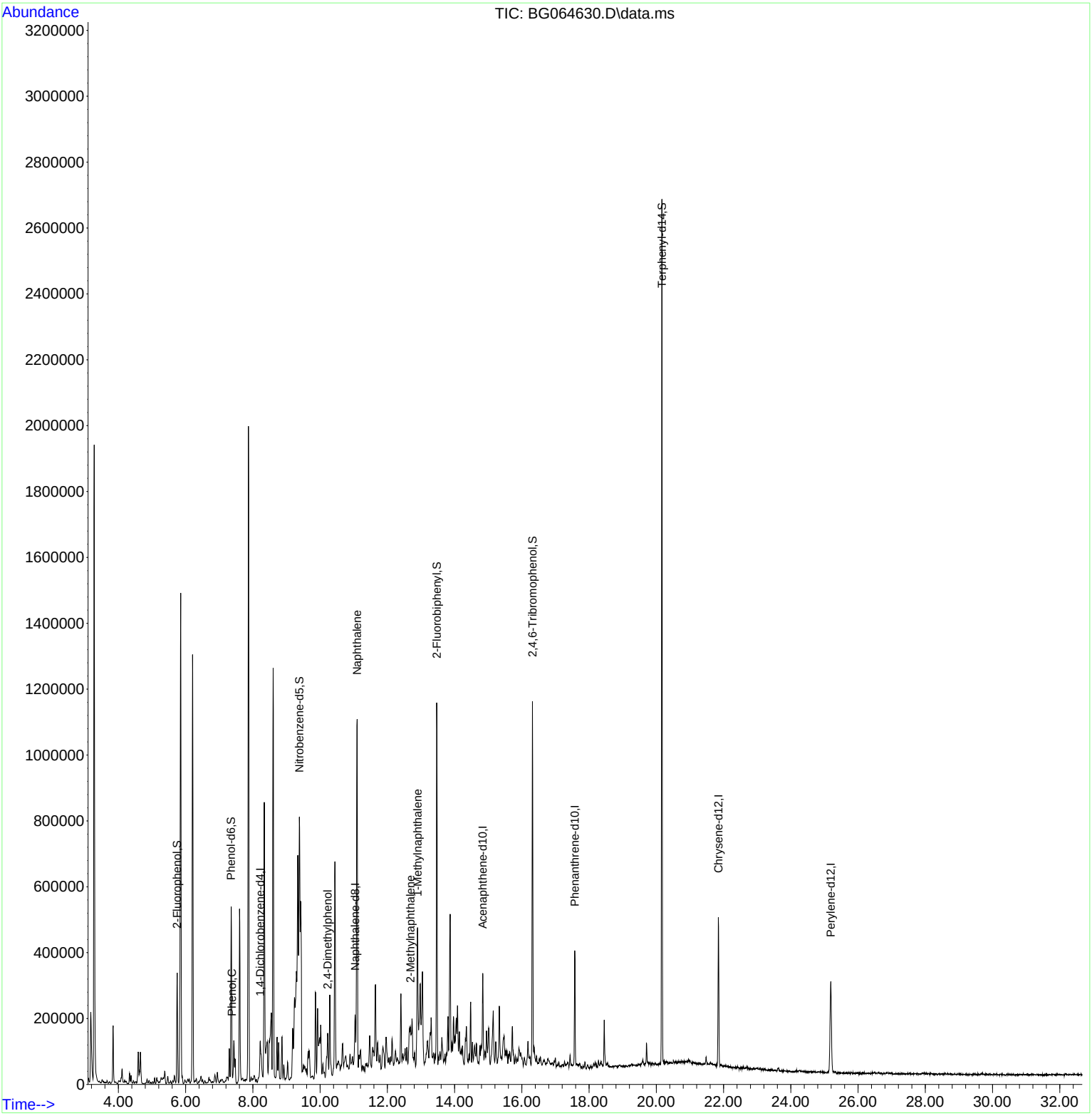
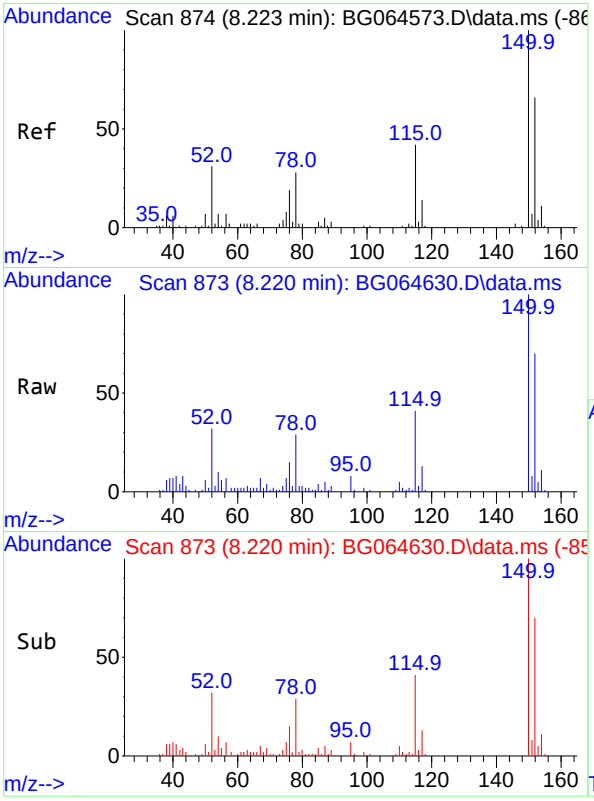
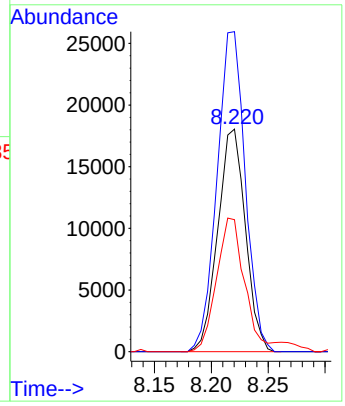




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.220 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion:152 Resp: 3050

Ion	Ratio	Lower	Upper
152	100		
150	143.7	122.2	183.4
115	59.3	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
MW-08

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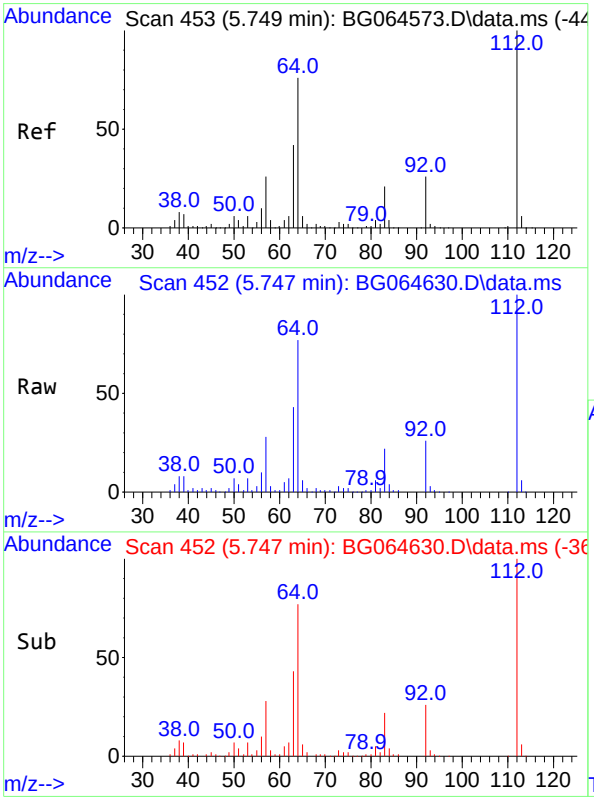
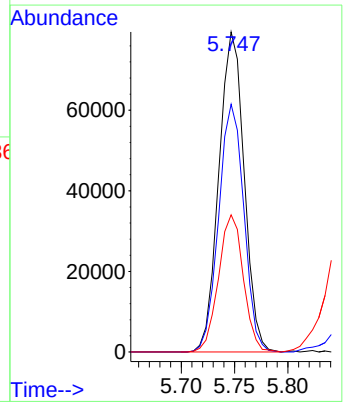
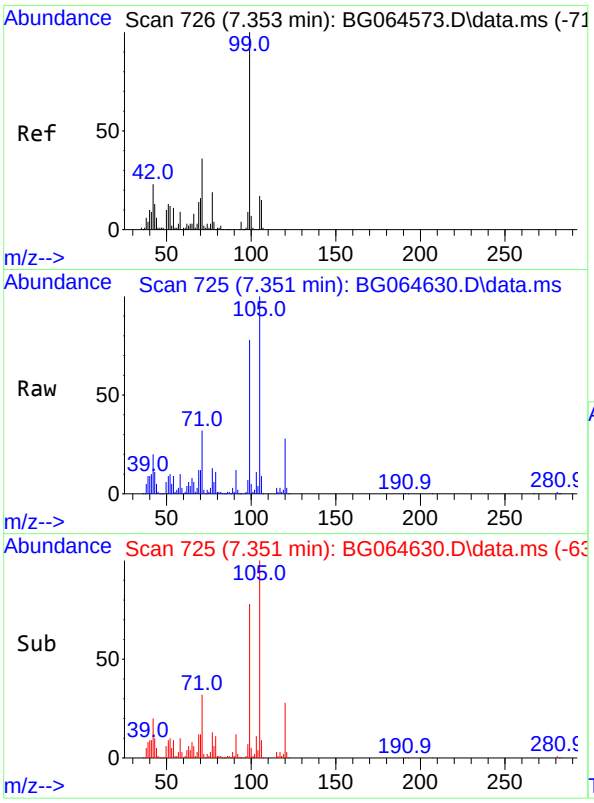


#5
2-Fluorophenol
Concen: 71.888 ng
RT: 5.747 min Scan# 452
Delta R.T. -0.000 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion:112 Resp: 130640

Ion	Ratio	Lower	Upper
112	100		
64	77.4	60.7	91.1
63	42.8	33.4	50.0

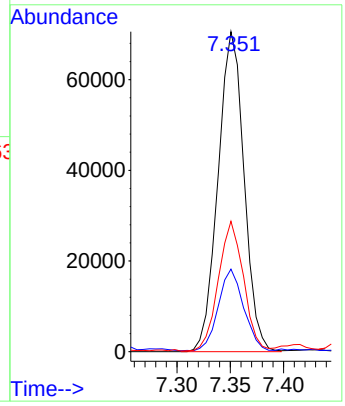




#7
Phenol-d6
Concen: 47.965 ng
RT: 7.351 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion: 99 Resp: 11961

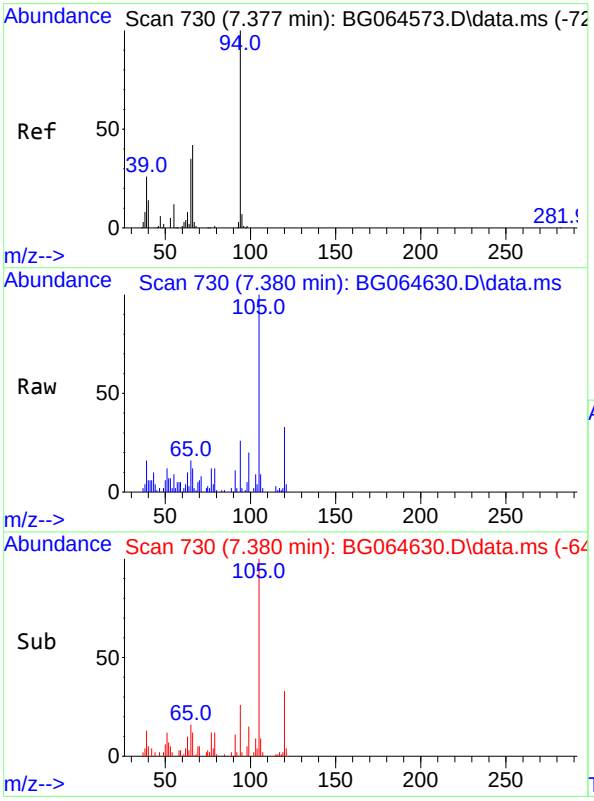
Ion	Ratio	Lower	Upper
99	100		
42	25.8	18.3	27.5
71	40.7	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
MW-08

Manual Integrations
APPROVED

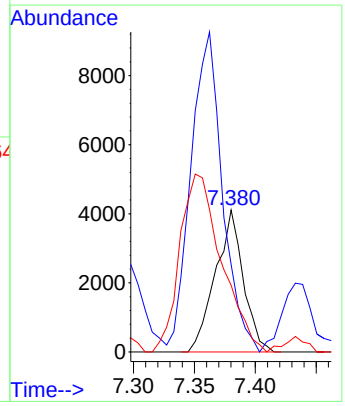
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

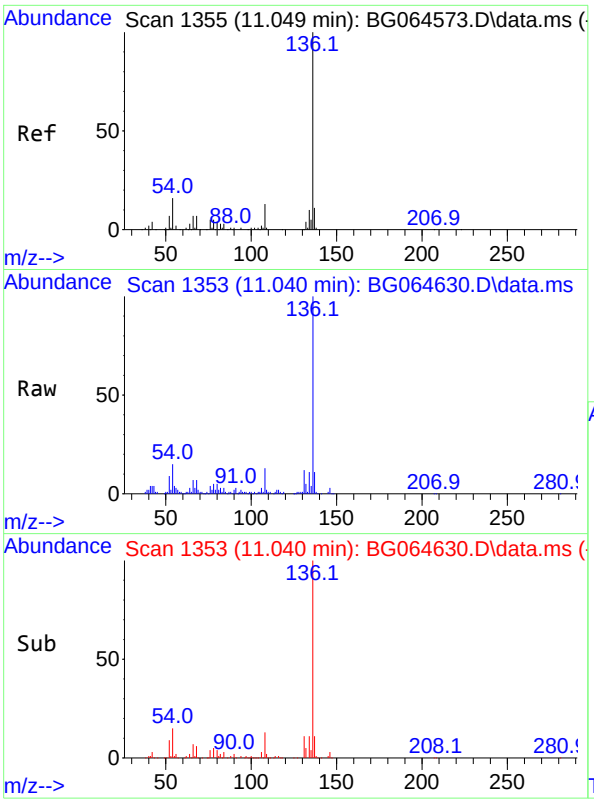


#10
Phenol
Concen: 2.375 ng
RT: 7.380 min Scan# 730
Delta R.T. -0.006 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion: 94 Resp: 6549

Ion	Ratio	Lower	Upper
94	100		
65	61.7	15.8	55.8#
66	47.0	24.0	64.0

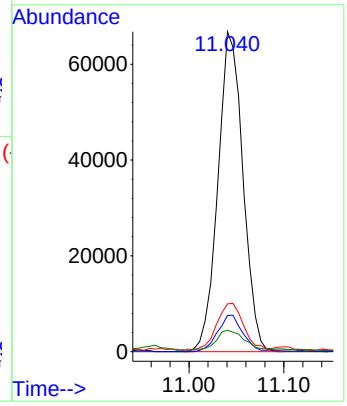




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.040 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion:136 Resp: 12250

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	15.0	12.6	19.0
68	6.7	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
MW-08

Manual Integrations
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Reviewed By :Rahul Chavli 10/30/2025
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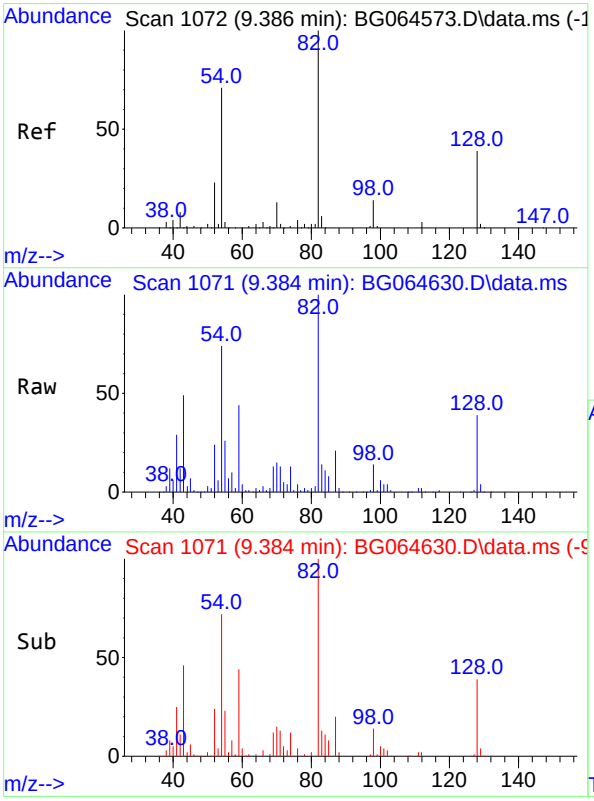
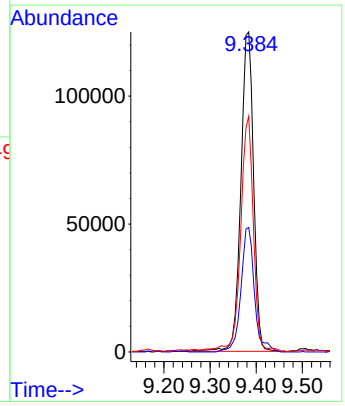
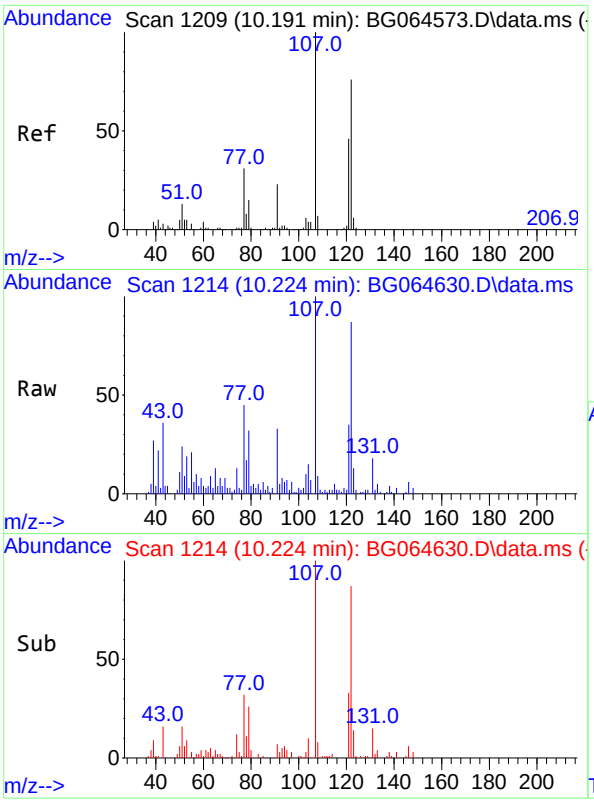


#23
Nitrobenzene-d5
Concen: 117.713 ng
RT: 9.384 min Scan# 1071
Delta R.T. -0.006 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion: 82 Resp: 240095

Ion	Ratio	Lower	Upper
82	100		
128	38.9	31.3	46.9
54	73.6	56.6	84.8

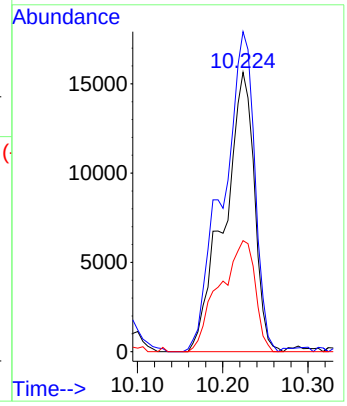




#27
2,4-Dimethylphenol
Concen: 20.798 ng
RT: 10.224 min Scan# 1
Delta R.T. 0.029 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion:122 Resp: 3862

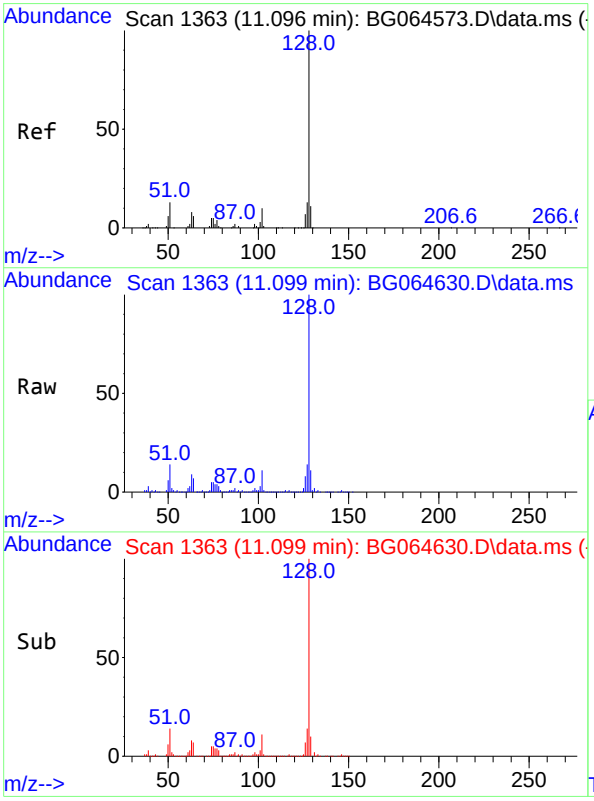
Ion	Ratio	Lower	Upper
122	100		
107	114.5	103.0	154.4
121	39.8	47.8	71.8#



Instrument :
BNA_G
ClientSampleId :
MW-08

Manual Integrations
APPROVED

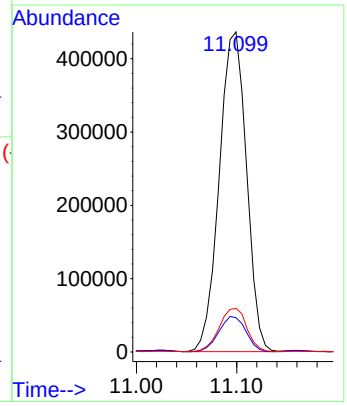
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

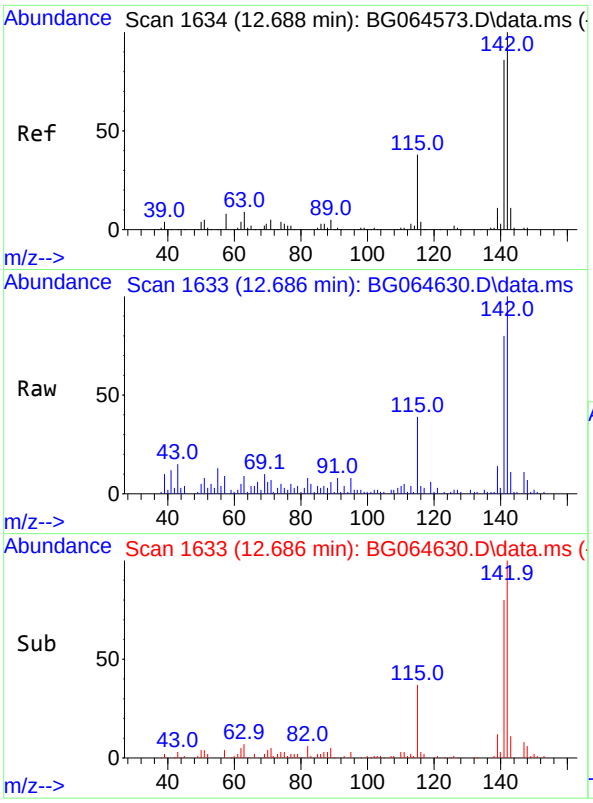


#31
Naphthalene
Concen: 120.745 ng
RT: 11.099 min Scan# 1363
Delta R.T. -0.000 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion:128 Resp: 820136

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.7	10.6	15.8





#37
2-Methylnaphthalene
Concen: 9.735 ng
RT: 12.686 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

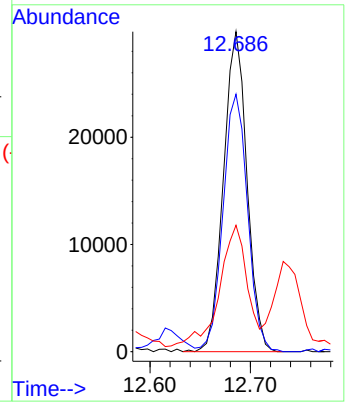
Tgt Ion:142 Resp: 4854

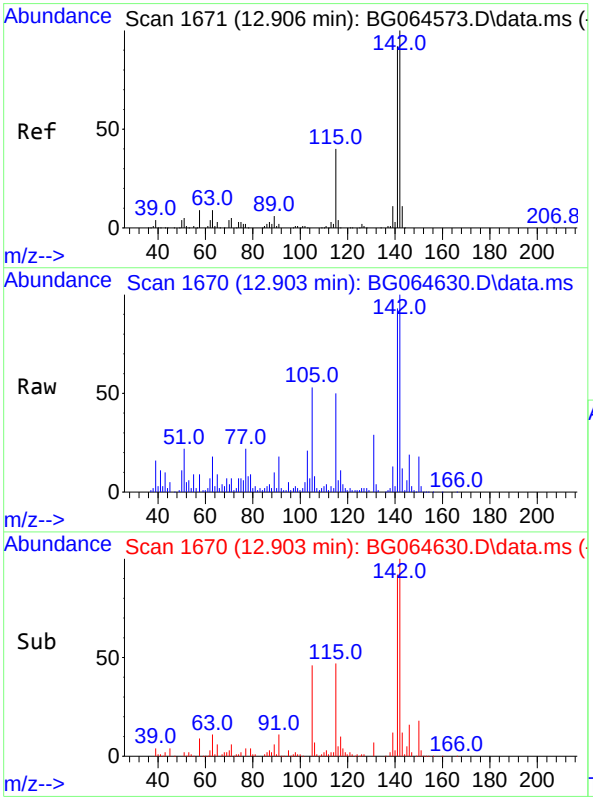
Ion	Ratio	Lower	Upper
142	100		
141	80.5	68.9	103.3
115	39.5	30.6	46.0

Instrument :
BNA_G
ClientSampleId :
MW-08

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

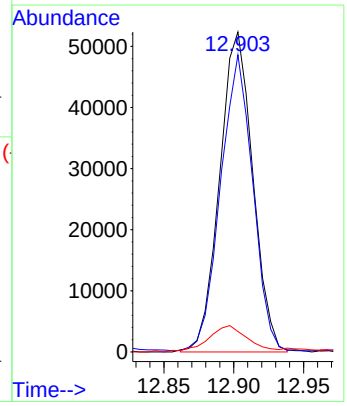


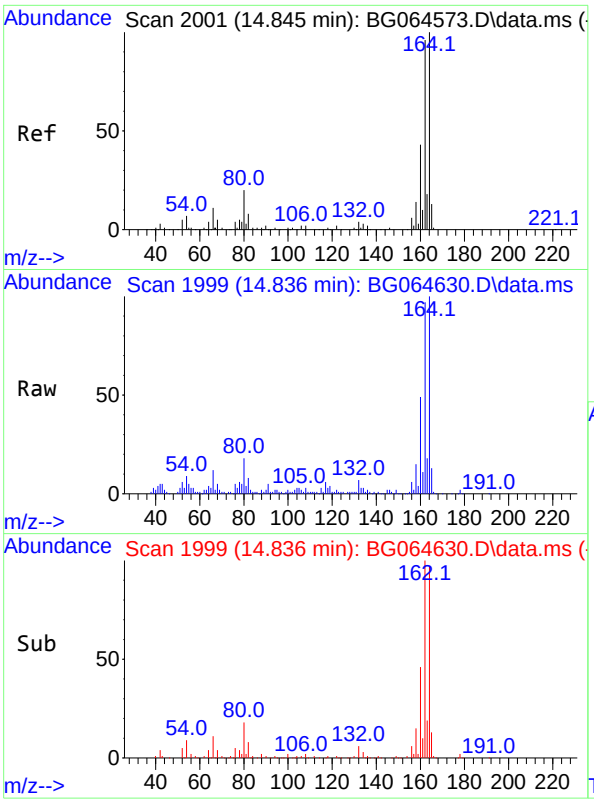


#38
1-Methylnaphthalene
Concen: 17.633 ng m
RT: 12.903 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion:142 Resp: 86525

Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.3	109.9
116	6.4	3.1	4.7#

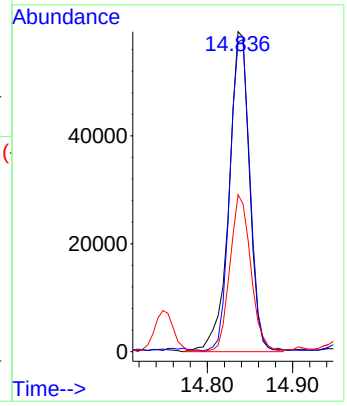




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.836 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion:164 Resp: 9950

Ion	Ratio	Lower	Upper
164	100		
162	96.8	77.0	115.6
160	49.0	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
MW-08

Manual Integrations
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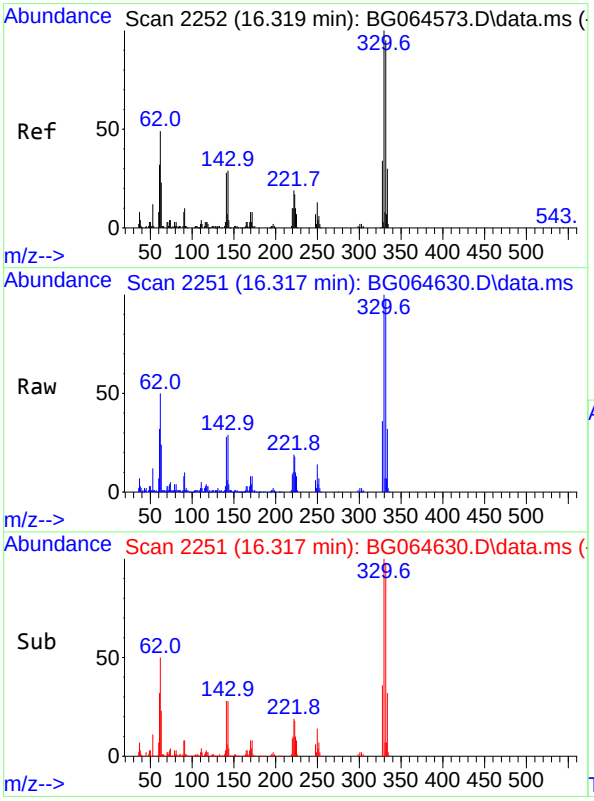
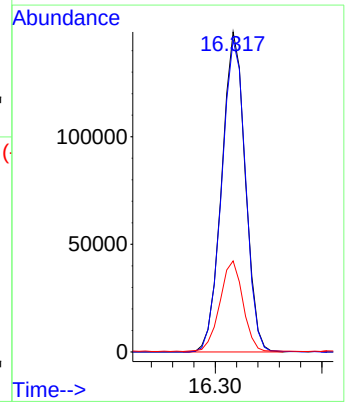
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

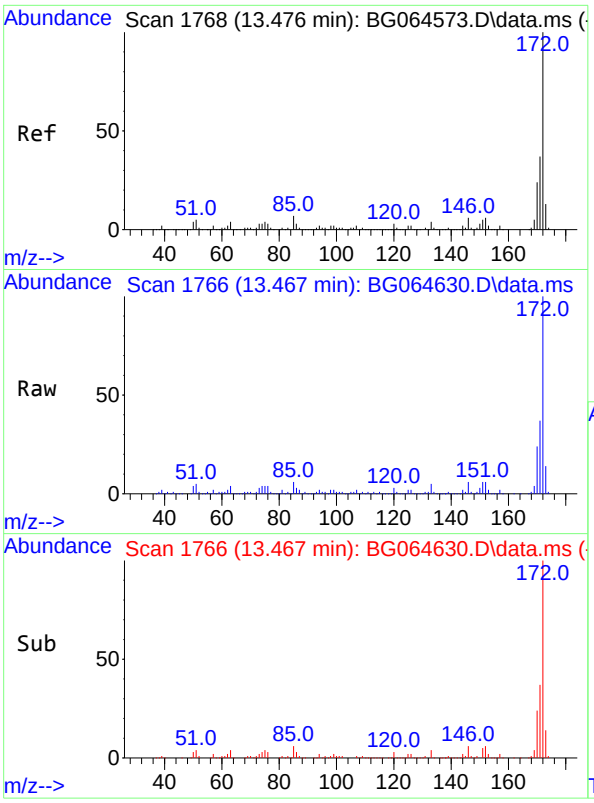


#42
2,4,6-Tribromophenol
Concen: 158.088 ng
RT: 16.317 min Scan# 2251
Delta R.T. -0.006 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion:330 Resp: 227039

Ion	Ratio	Lower	Upper
330	100		
332	98.5	78.0	117.0
141	27.8	21.8	32.6

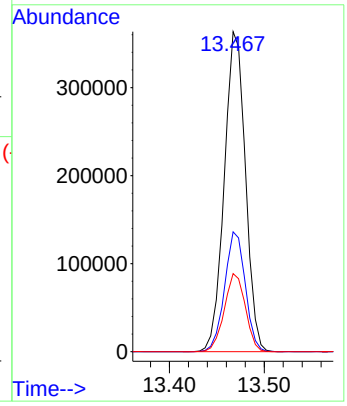




#45
2-Fluorobiphenyl
Concen: 85.851 ng
RT: 13.467 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion:172 Resp: 56358

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.4	44.0
170	24.4	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
MW-08

Manual Integrations
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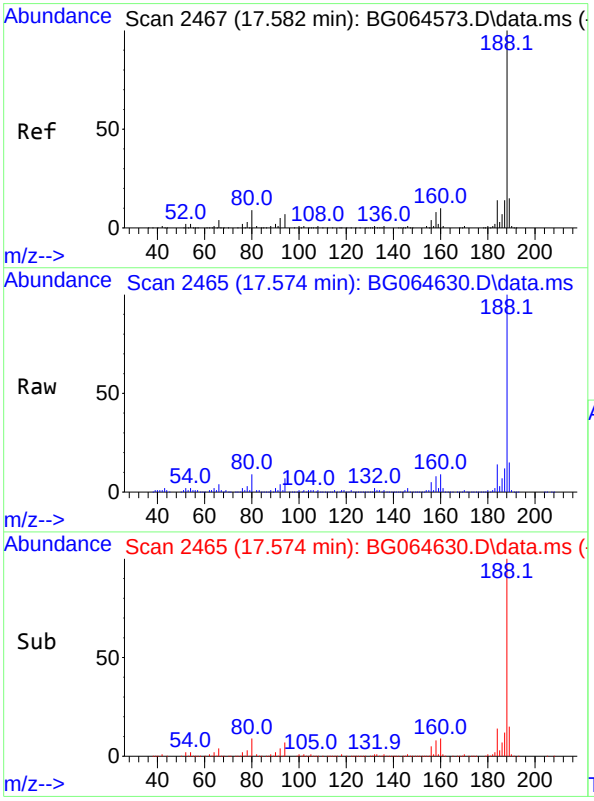
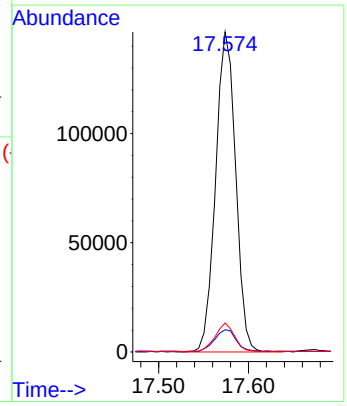
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

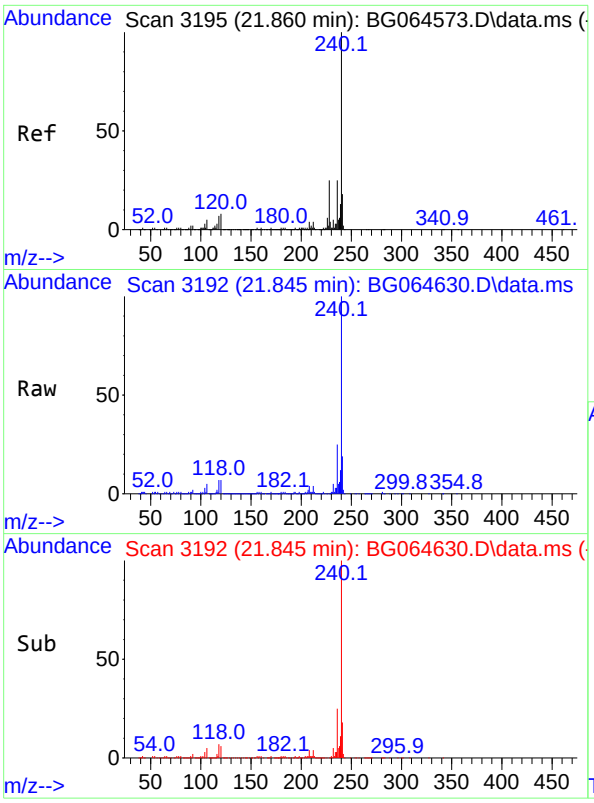


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.574 min Scan# 2465
Delta R.T. -0.006 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion:188 Resp: 226879

Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.7	8.5
80	9.1	6.8	10.2

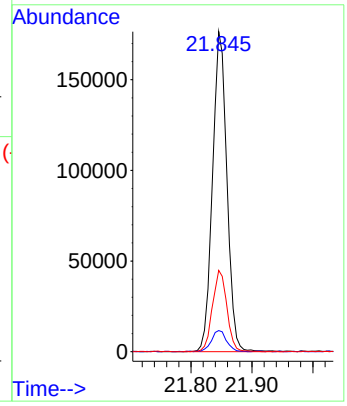




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.845 min Scan# 3
Delta R.T. -0.018 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion:240 Resp: 28950

Ion	Ratio	Lower	Upper
240	100		
120	6.6	6.5	9.7
236	25.4	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
MW-08

Manual Integrations
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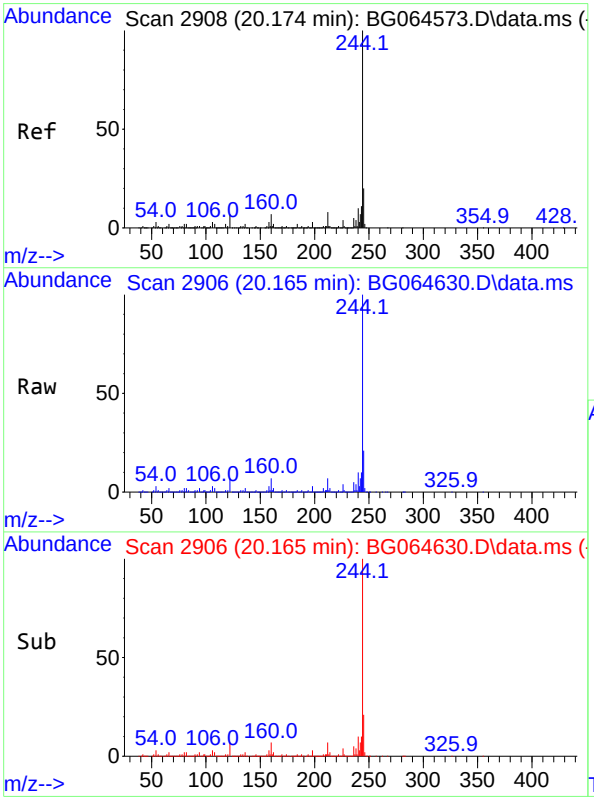
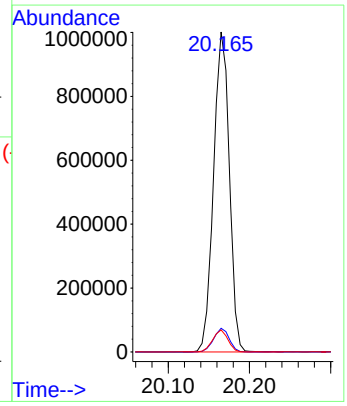
Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

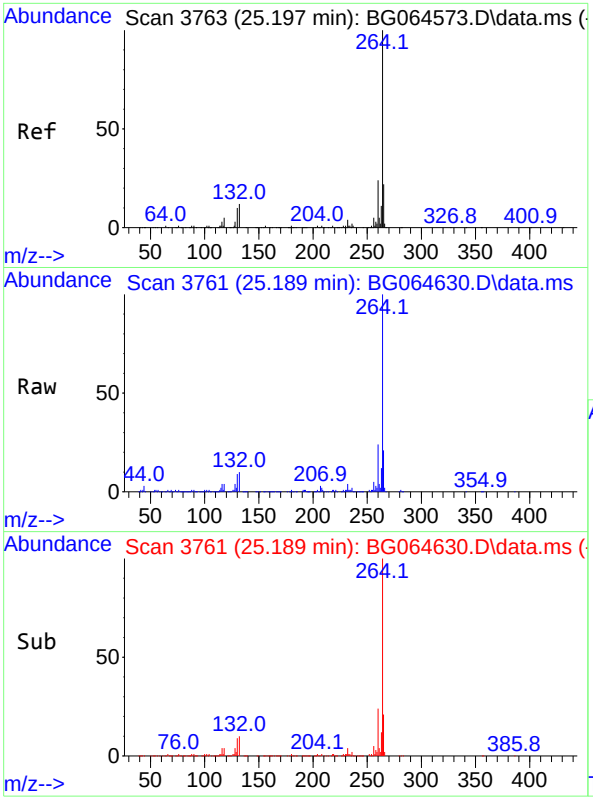


#79
Terphenyl-d14
Concen: 87.857 ng
RT: 20.165 min Scan# 2906
Delta R.T. -0.012 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion:244 Resp: 1347806

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.1	9.1
122	6.9	5.6	8.4

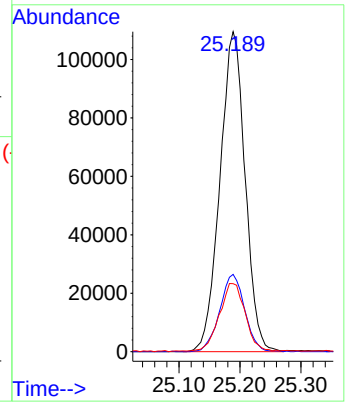




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.189 min Scan# 3
Delta R.T. -0.012 min
Lab File: BG064630.D
Acq: 29 Oct 2025 19:37

Tgt Ion:264 Resp: 31410

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.0	28.4
265	21.3	17.6	26.4



Instrument :
BNA_G
ClientSampleId :
MW-08

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/30/2025
Supervised By :mohammad ahmed 11/05/2025

Raw Data: **BG064631.D**

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

Report of Analysis

Client:	LiRo Engineers, Inc.	Date Collected:	10/23/25
Project:	RFK Bridge RMB-Randall Island	Date Received:	10/24/25
Client Sample ID:	MW-10	SDG No.:	Q3468
Lab Sample ID:	Q3468-03	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	970 mL Final Vol: 1000 uL	Test:	SVOCMS Group1
Prep Method :	3510C Prep Date: 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
208-96-8	Acenaphthylene	5.20	U	1	0.77	5.20	ug/L	10/29/25 20:18	PB170286
83-32-9	Acenaphthene	5.20	U	1	0.57	5.20	ug/L	10/29/25 20:18	PB170286
86-73-7	Fluorene	5.20	U	1	0.65	5.20	ug/L	10/29/25 20:18	PB170286
85-01-8	Phenanthrene	5.20	U	1	0.52	5.20	ug/L	10/29/25 20:18	PB170286
120-12-7	Anthracene	5.20	U	1	0.63	5.20	ug/L	10/29/25 20:18	PB170286
206-44-0	Fluoranthene	5.20	U	1	0.85	5.20	ug/L	10/29/25 20:18	PB170286
129-00-0	Pyrene	5.20	U	1	0.52	5.20	ug/L	10/29/25 20:18	PB170286
56-55-3	Benzo(a)anthracene	5.20	U	1	0.46	5.20	ug/L	10/29/25 20:18	PB170286
218-01-9	Chrysene	5.20	U	1	0.45	5.20	ug/L	10/29/25 20:18	PB170286
205-99-2	Benzo(b)fluoranthene	5.20	U	1	0.51	5.20	ug/L	10/29/25 20:18	PB170286
207-08-9	Benzo(k)fluoranthene	5.20	U	1	0.49	5.20	ug/L	10/29/25 20:18	PB170286
50-32-8	Benzo(a)pyrene	5.20	U	1	0.57	5.20	ug/L	10/29/25 20:18	PB170286
193-39-5	Indeno(1,2,3-cd)pyrene	5.20	U	1	0.61	5.20	ug/L	10/29/25 20:18	PB170286
53-70-3	Dibenzo(a,h)anthracene	5.20	U	1	0.69	5.20	ug/L	10/29/25 20:18	PB170286
191-24-2	Benzo(g,h,i)perylene	5.20	U	1	0.71	5.20	ug/L	10/29/25 20:18	PB170286
SURROGATES									
4165-60-0	Nitrobenzene-d5	132			67 - 132	132%	SPK: 100		
321-60-8	2-Fluorobiphenyl	110			52 - 132	110%	SPK: 100		
1718-51-0	Terphenyl-d14	104			42 - 152	104%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	27600							
1146-65-2	Naphthalene-d8	111000							
15067-26-2	Acenaphthene-d10	81800							
1517-22-2	Phenanthrene-d10	193000							
1719-03-5	Chrysene-d12	252000							
1520-96-3	Perylene-d12	279000							

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: **BG064631.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064631.D
Acq On : 29 Oct 2025 20:18
Operator : RC/JU
Sample : Q3468-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-10

Quant Time: Oct 30 04:59:13 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	27605	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	111146	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	81763	20.000	ng	# 0.00
64) Phenanthrene-d10	17.577	188	192626	20.000	ng	0.00
76) Chrysene-d12	21.848	240	251896	20.000	ng	#-0.02
86) Perylene-d12	25.185	264	278585	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.744	112	128855	78.349	ng	0.00
7) Phenol-d6	7.348	99	110097	48.785	ng	0.00
23) Nitrobenzene-d5	9.380	82	244576	132.167	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	229163	194.192	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	592894	109.912	ng	0.00
79) Terphenyl-d14	20.168	244	1386807	103.897	ng	0.00
Target Compounds						Qvalue

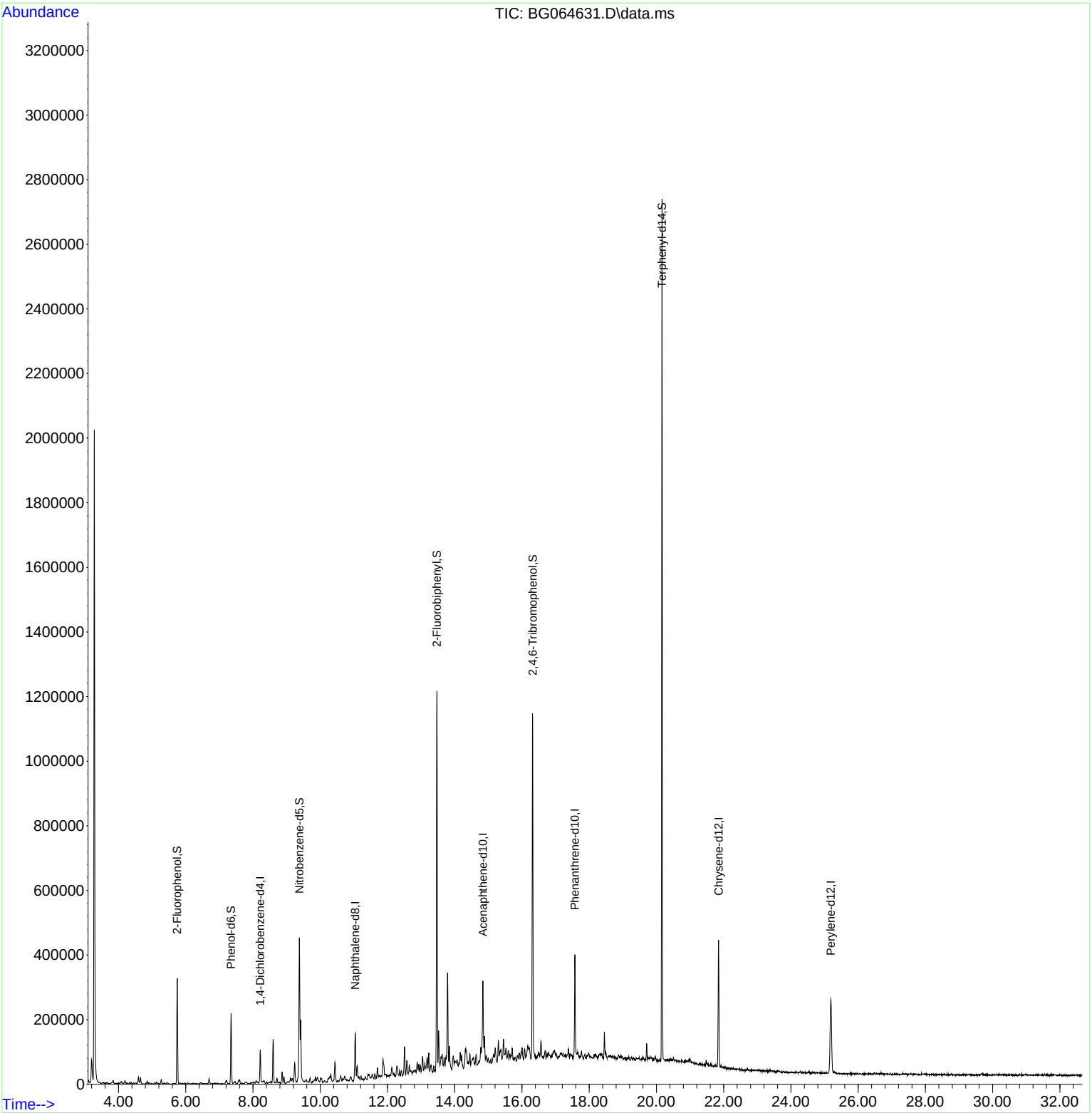
(#) = qualifier out of range (m) = manual integration (+) = signals summed

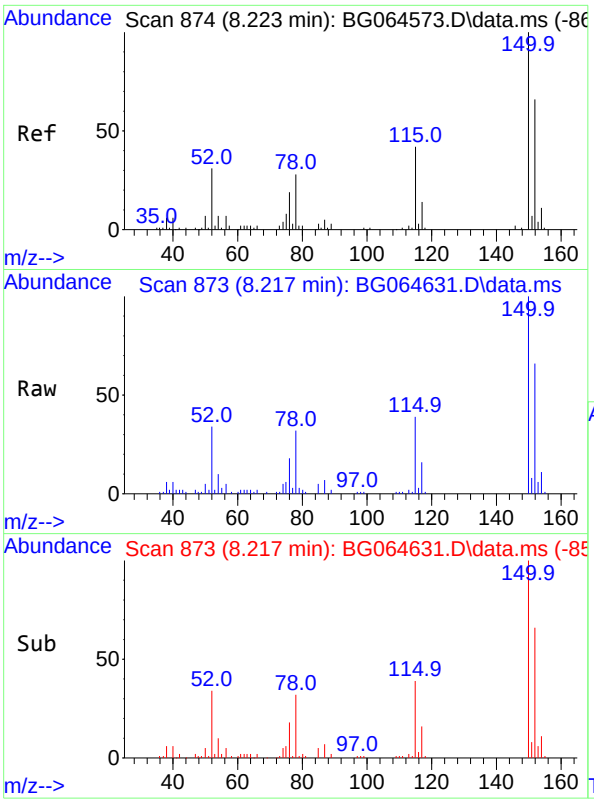
Sample Results: **BG064631.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064631.D
Acq On : 29 Oct 2025 20:18
Operator : RC/JU
Sample : Q3468-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-10

Quant Time: Oct 30 04:59:13 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



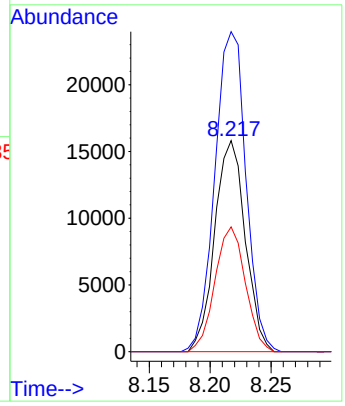


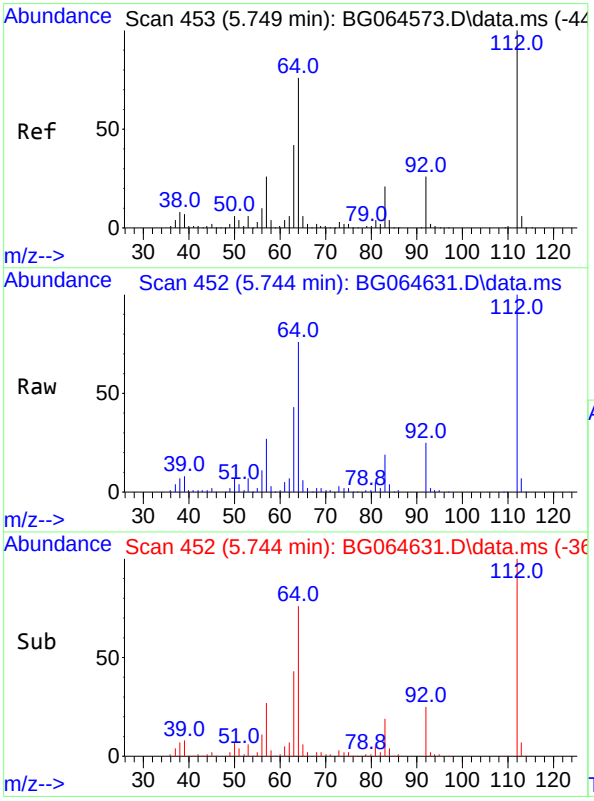
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

Instrument :
BNA_G
ClientSampleId :
MW-10

Tgt Ion:152 Resp: 27605

Ion	Ratio	Lower	Upper
152	100		
150	151.7	122.2	183.4
115	59.2	50.8	76.2

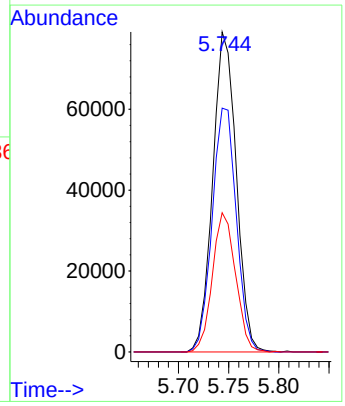


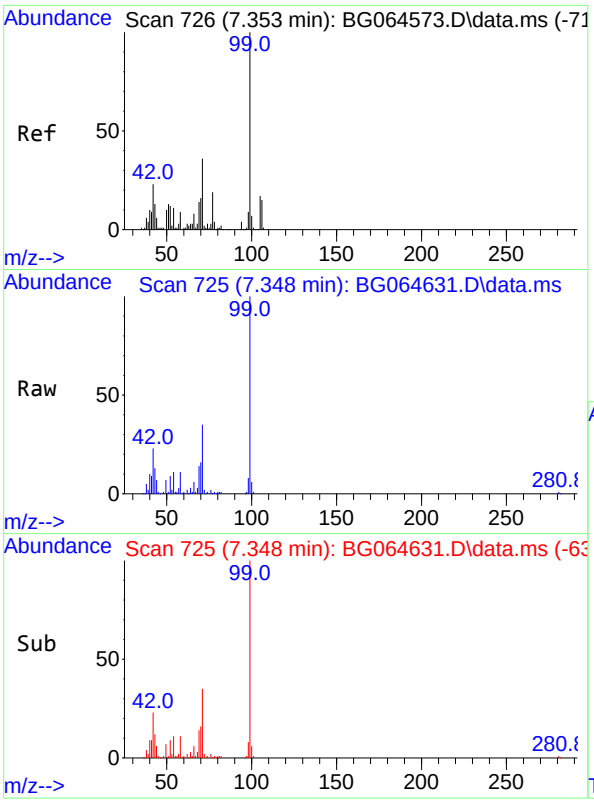


#5
2-Fluorophenol
Concen: 78.349 ng
RT: 5.744 min Scan# 452
Delta R.T. -0.003 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

Tgt Ion:112 Resp: 128855

Ion	Ratio	Lower	Upper
112	100		
64	76.2	60.7	91.1
63	43.5	33.4	50.0



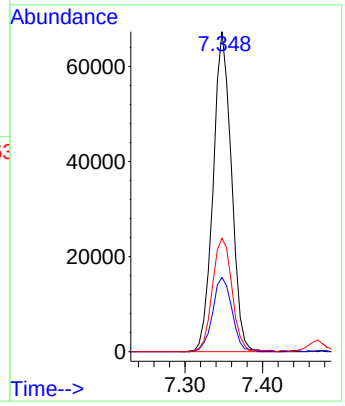


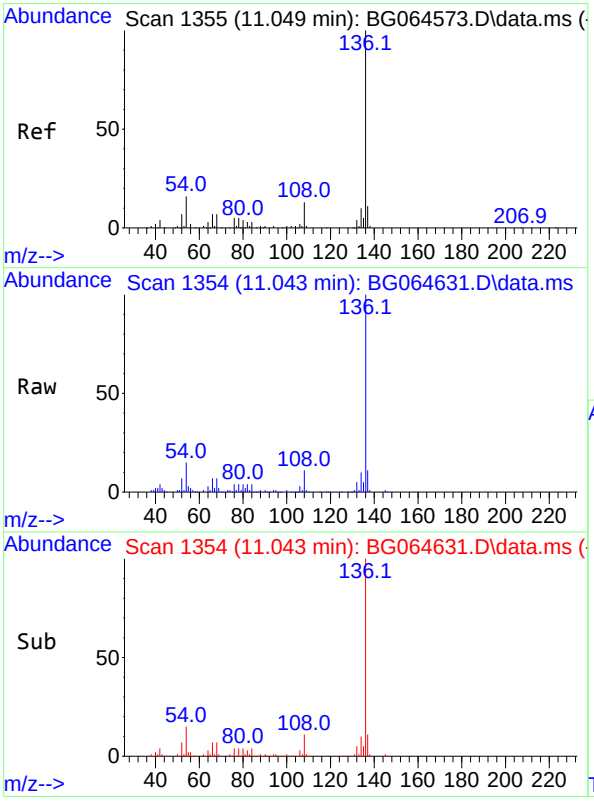
#7
Phenol-d6
Concen: 48.785 ng
RT: 7.348 min Scan# 7
Delta R.T. -0.009 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

Instrument :
BNA_G
ClientSampleId :
MW-10

Tgt Ion: 99 Resp: 110097

Ion	Ratio	Lower	Upper
99	100		
42	23.2	18.3	27.5
71	35.5	28.6	43.0

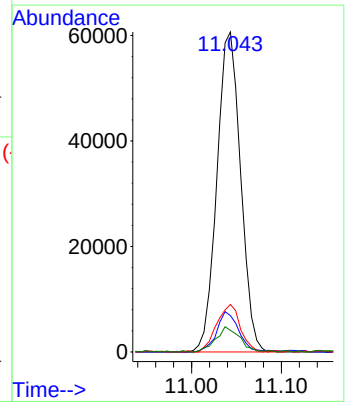


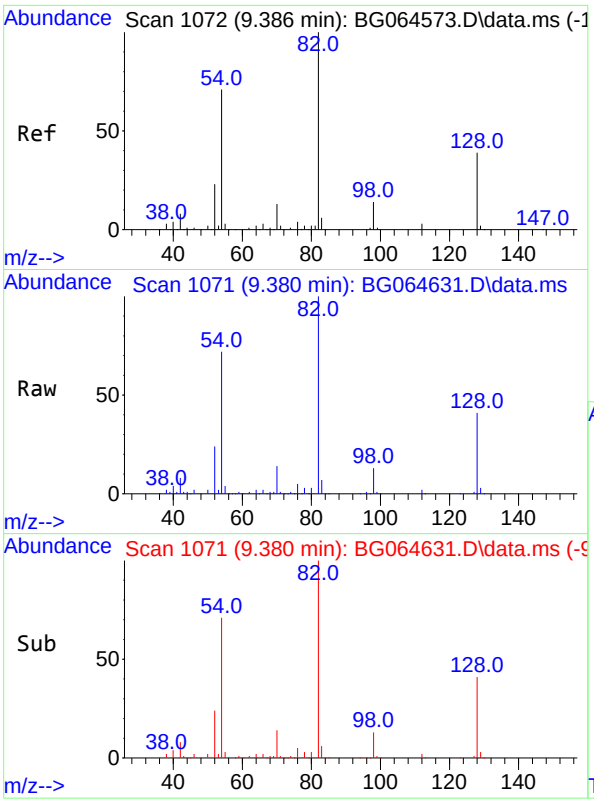


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1354
Delta R.T. -0.009 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

Tgt Ion:136 Resp: 111146

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	14.9	12.6	19.0
68	6.8	5.7	8.5



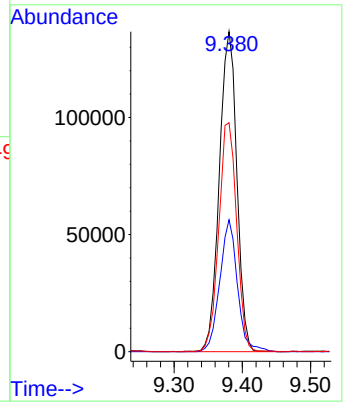


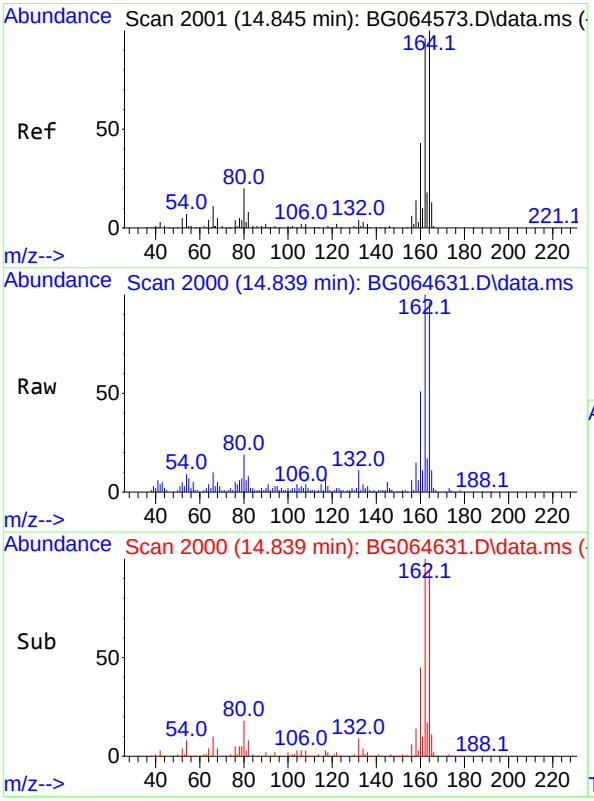
#23
Nitrobenzene-d5
Concen: 132.167 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

Instrument :
BNA_G
ClientSampleId :
MW-10

Tgt Ion: 82 Resp: 244576

Ion	Ratio	Lower	Upper
82	100		
128	41.2	31.3	46.9
54	71.6	56.6	84.8

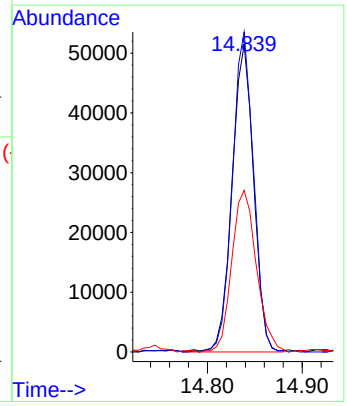


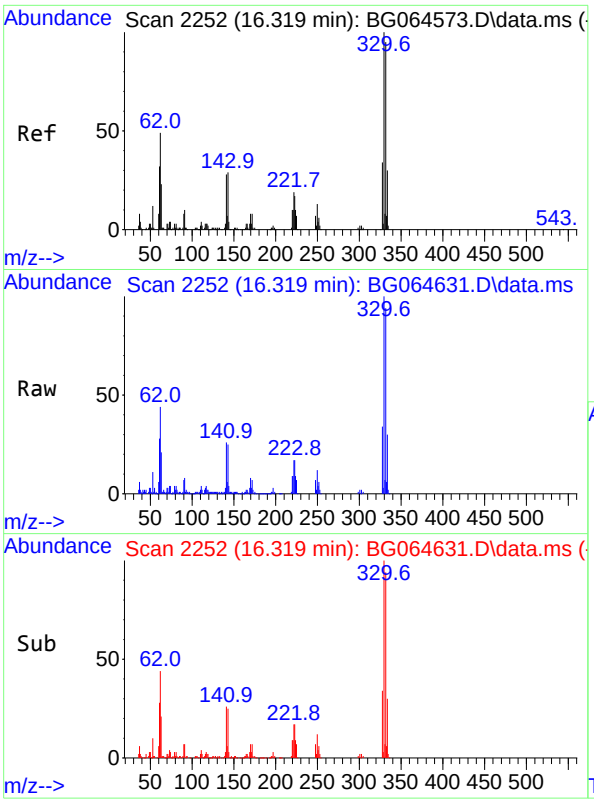


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

Tgt Ion:164 Resp: 81763

Ion	Ratio	Lower	Upper
164	100		
162	104.1	77.0	115.6
160	52.6	34.4	51.6#



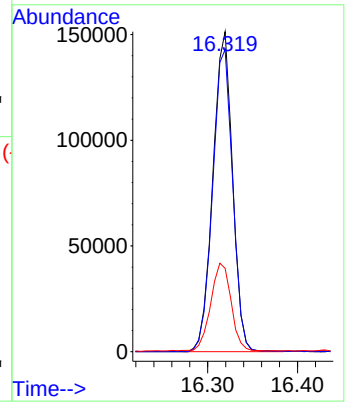


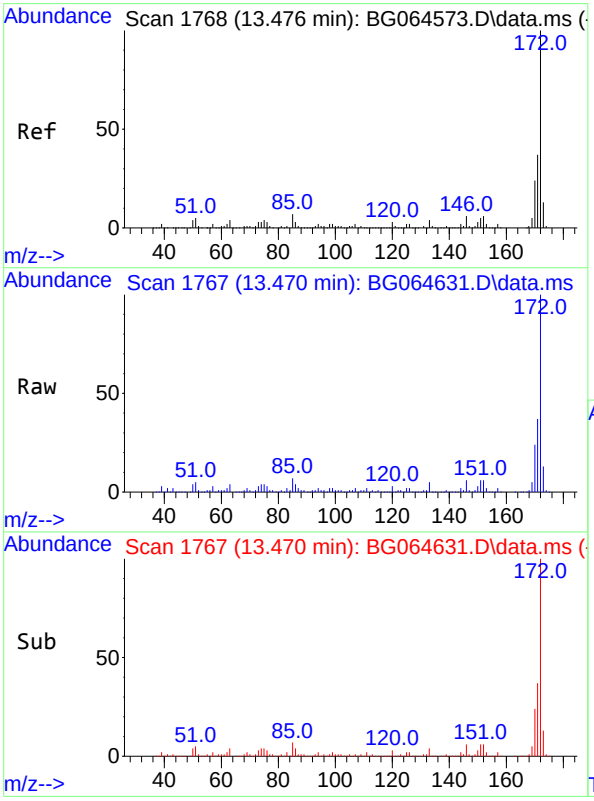
#42
2,4,6-Tribromophenol
Concen: 194.192 ng
RT: 16.319 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

Instrument :
BNA_G
ClientSampleId :
MW-10

Tgt Ion:330 Resp: 229163

Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.0	117.0
141	28.6	21.8	32.6

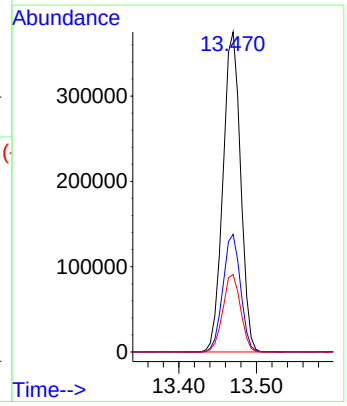


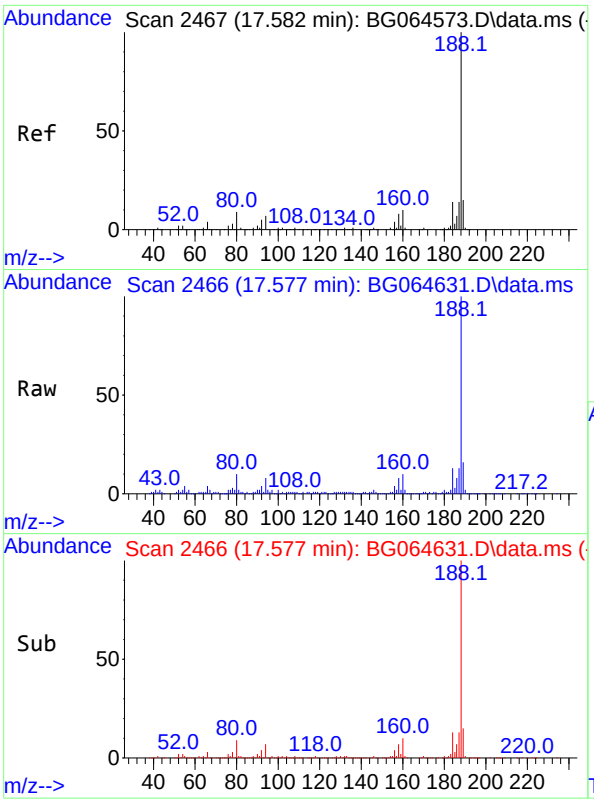


#45
2-Fluorobiphenyl
Concen: 109.912 ng
RT: 13.470 min Scan# 1767
Delta R.T. -0.009 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

Tgt Ion:172 Resp: 592894

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.4	44.0
170	24.2	19.1	28.7



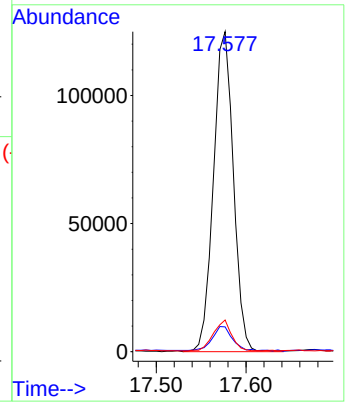


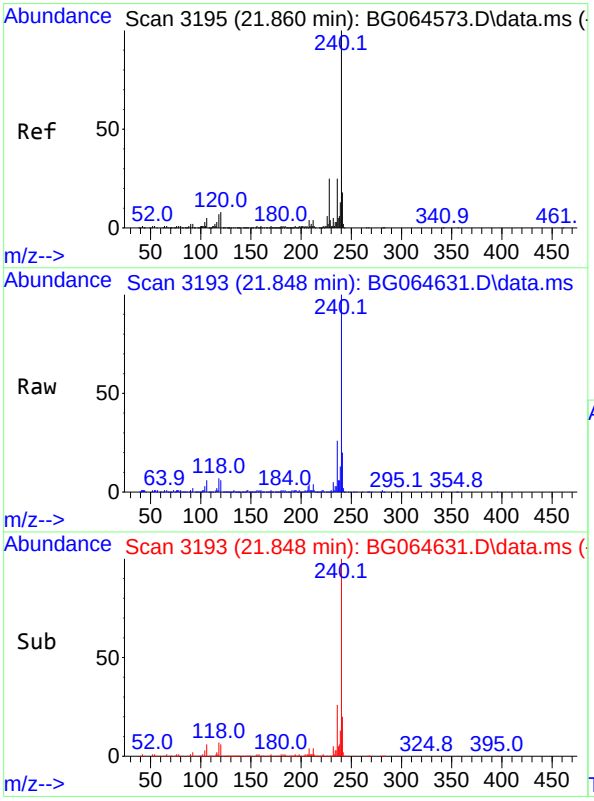
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

Instrument :
BNA_G
ClientSampleId :
MW-10

Tgt Ion:188 Resp: 192626

Ion	Ratio	Lower	Upper
188	100		
94	7.8	5.7	8.5
80	9.9	6.8	10.2

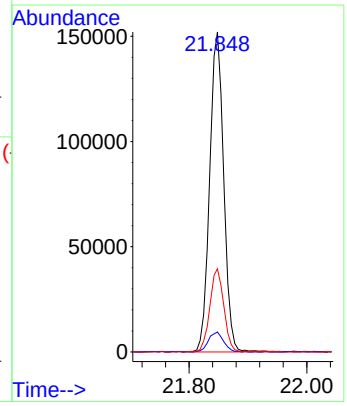


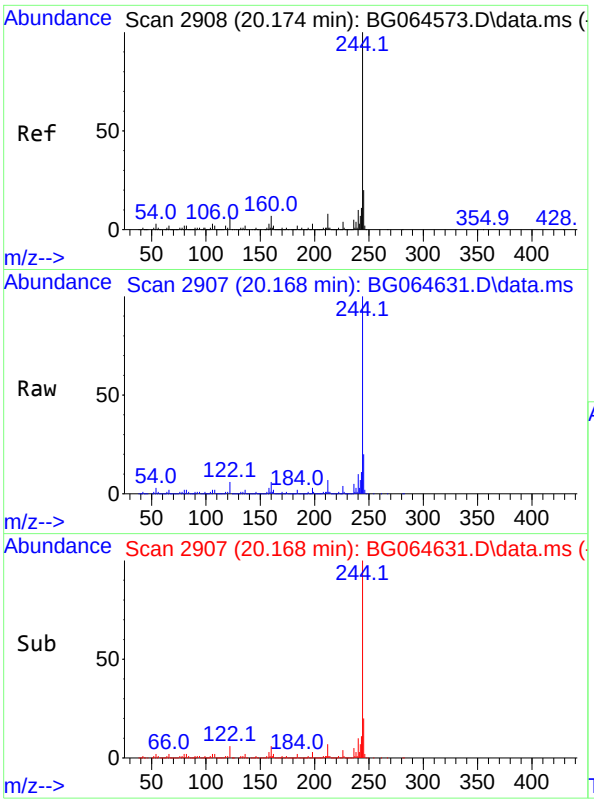


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.015 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

Tgt Ion:240 Resp: 251896

Ion	Ratio	Lower	Upper
240	100		
120	6.2	6.5	9.7#
236	26.0	20.2	30.2



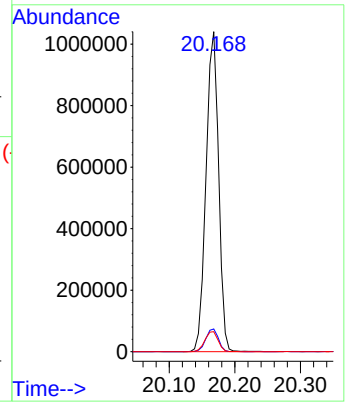


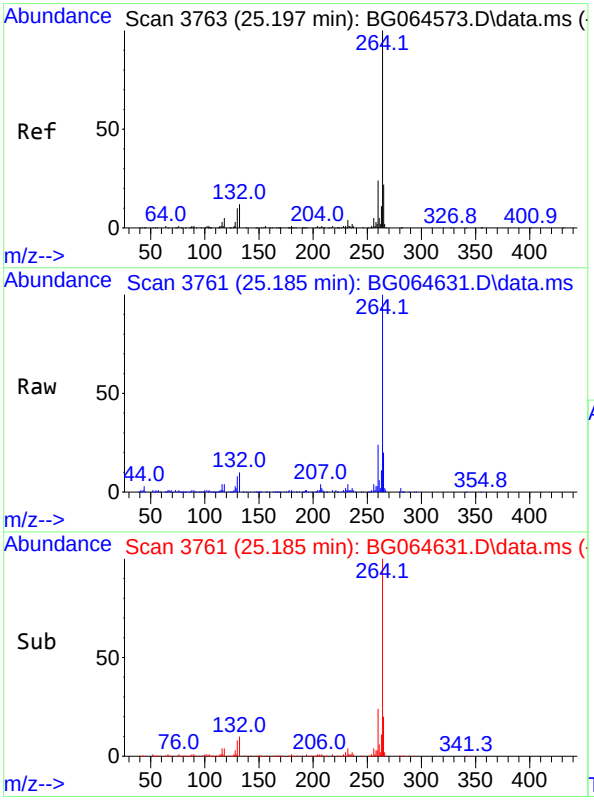
#79
Terphenyl-d14
Concen: 103.897 ng
RT: 20.168 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

Instrument :
BNA_G
ClientSampleId :
MW-10

Tgt Ion:244 Resp: 1386807

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	6.3	5.6	8.4

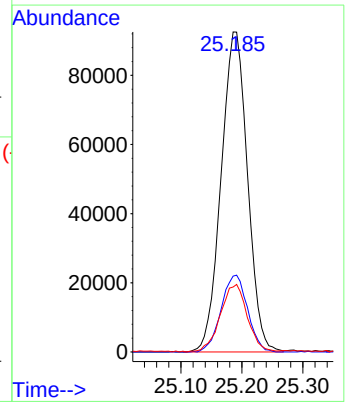




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.185 min Scan# 3761
Delta R.T. -0.015 min
Lab File: BG064631.D
Acq: 29 Oct 2025 20:18

Tgt Ion:264 Resp: 278585

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	20.3	17.6	26.4



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

Report of Analysis

Client:	LiRo Engineers, Inc.			Date Collected:	10/23/25
Project:	RFK Bridge RMB-Randall Island			Date Received:	10/24/25
Client Sample ID:	MW-11			SDG No.:	Q3468
Lab Sample ID:	Q3468-04			Matrix:	Water
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	990 mL	Final Vol:	1000 uL	Test:	SVOCMS Group1
Prep Method :	3510C	Prep Date:	10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
208-96-8	Acenaphthylene	5.10	U	1	0.76	5.10	ug/L	10/29/25 20:59	PB170286
83-32-9	Acenaphthene	5.10	U	1	0.56	5.10	ug/L	10/29/25 20:59	PB170286
86-73-7	Fluorene	5.10	U	1	0.64	5.10	ug/L	10/29/25 20:59	PB170286
85-01-8	Phenanthrene	5.10	U	1	0.51	5.10	ug/L	10/29/25 20:59	PB170286
120-12-7	Anthracene	5.10	U	1	0.62	5.10	ug/L	10/29/25 20:59	PB170286
206-44-0	Fluoranthene	5.10	U	1	0.83	5.10	ug/L	10/29/25 20:59	PB170286
129-00-0	Pyrene	5.10	U	1	0.51	5.10	ug/L	10/29/25 20:59	PB170286
56-55-3	Benzo(a)anthracene	5.10	U	1	0.45	5.10	ug/L	10/29/25 20:59	PB170286
218-01-9	Chrysene	5.10	U	1	0.44	5.10	ug/L	10/29/25 20:59	PB170286
205-99-2	Benzo(b)fluoranthene	5.10	U	1	0.49	5.10	ug/L	10/29/25 20:59	PB170286
207-08-9	Benzo(k)fluoranthene	5.10	U	1	0.48	5.10	ug/L	10/29/25 20:59	PB170286
50-32-8	Benzo(a)pyrene	5.10	U	1	0.56	5.10	ug/L	10/29/25 20:59	PB170286
193-39-5	Indeno(1,2,3-cd)pyrene	5.10	U	1	0.60	5.10	ug/L	10/29/25 20:59	PB170286
53-70-3	Dibenzo(a,h)anthracene	5.10	U	1	0.68	5.10	ug/L	10/29/25 20:59	PB170286
191-24-2	Benzo(g,h,i)perylene	5.10	U	1	0.70	5.10	ug/L	10/29/25 20:59	PB170286
SURROGATES									
4165-60-0	Nitrobenzene-d5	123			67 - 132	123%	SPK: 100		
321-60-8	2-Fluorobiphenyl	101			52 - 132	101%	SPK: 100		
1718-51-0	Terphenyl-d14	92.9			42 - 152	93%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	33300							
1146-65-2	Naphthalene-d8	137000							
15067-26-2	Acenaphthene-d10	104000							
1517-22-2	Phenanthrene-d10	235000							
1719-03-5	Chrysene-d12	295000							
1520-96-3	Perylene-d12	322000							

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: **BG064632.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064632.D
Acq On : 29 Oct 2025 20:59
Operator : RC/JU
Sample : Q3468-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-11

Quant Time: Oct 30 04:59:35 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

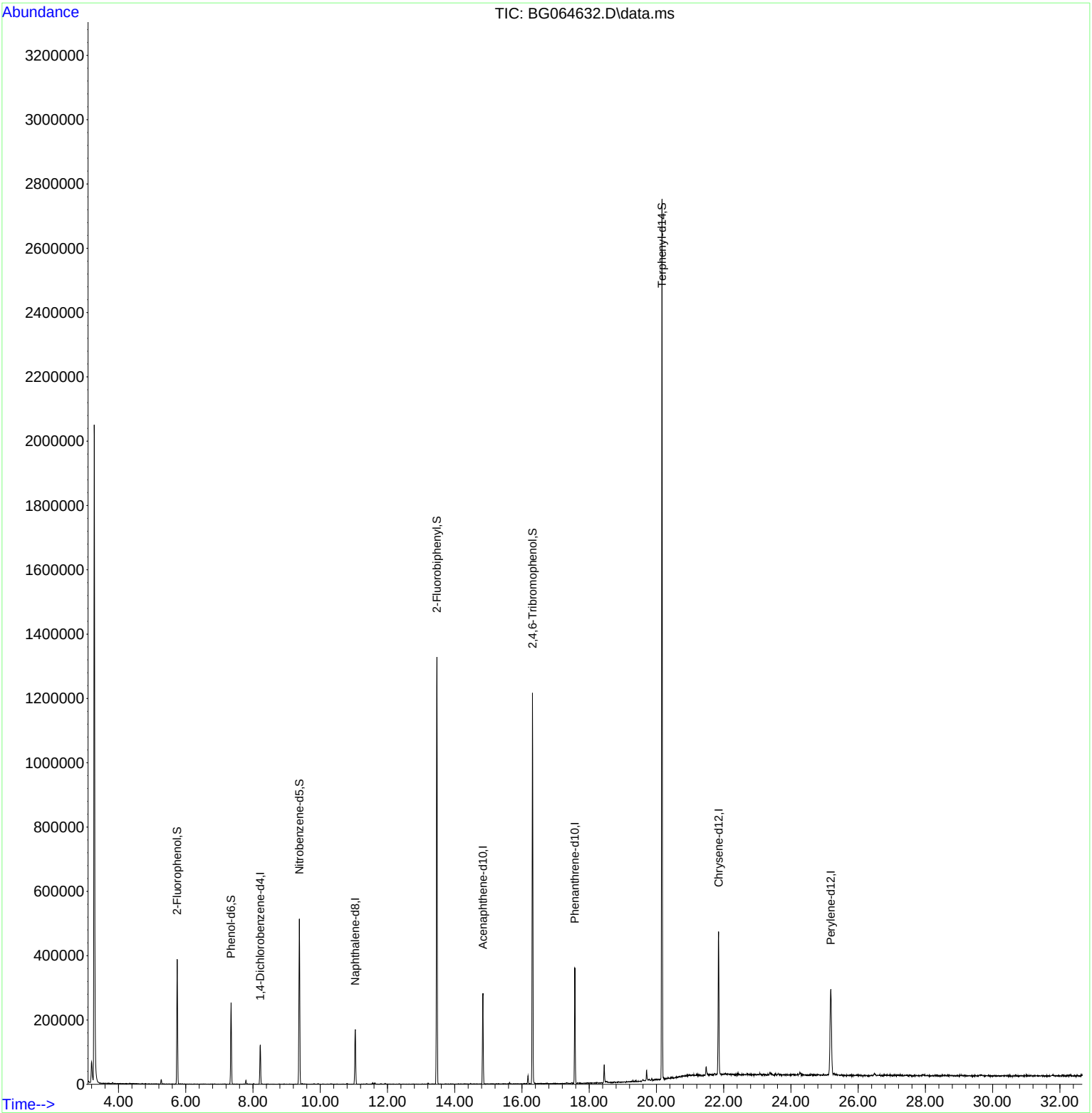
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	33286	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	137382	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	103755	20.000	ng	0.00
64) Phenanthrene-d10	17.571	188	234664	20.000	ng	0.00
76) Chrysene-d12	21.849	240	295229	20.000	ng	#-0.01
86) Perylene-d12	25.186	264	321514	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.744	112	148523	74.895	ng	0.00
7) Phenol-d6	7.348	99	128079	47.067	ng	0.00
23) Nitrobenzene-d5	9.381	82	281552	123.093	ng	0.00
42) 2,4,6-Tribromophenol	16.314	330	253889	169.542	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	689995	100.801	ng	0.00
79) Terphenyl-d14	20.168	244	1453520	92.912	ng	0.00
Target Compounds						Qvalue

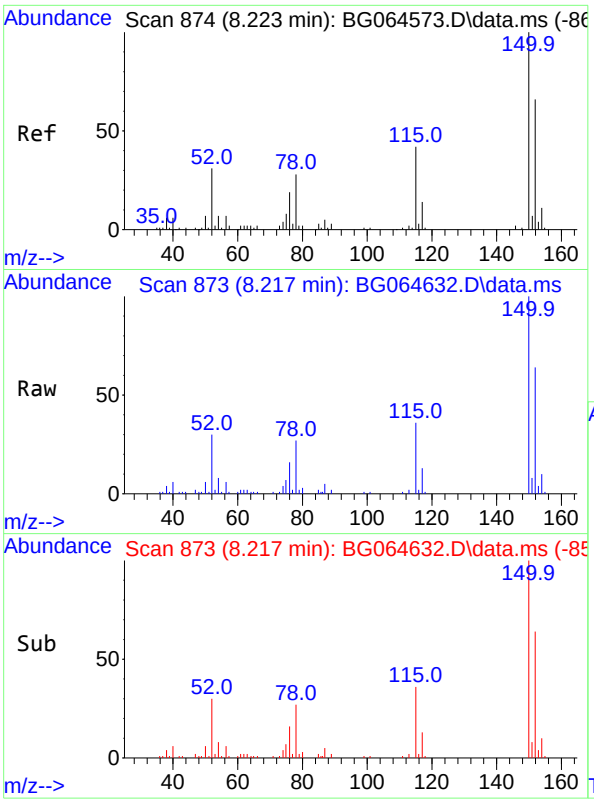
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064632.D
Acq On : 29 Oct 2025 20:59
Operator : RC/JU
Sample : Q3468-04
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-11

Quant Time: Oct 30 04:59:35 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



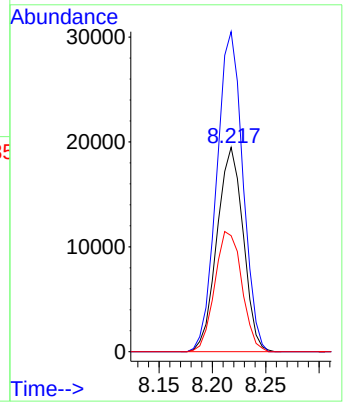


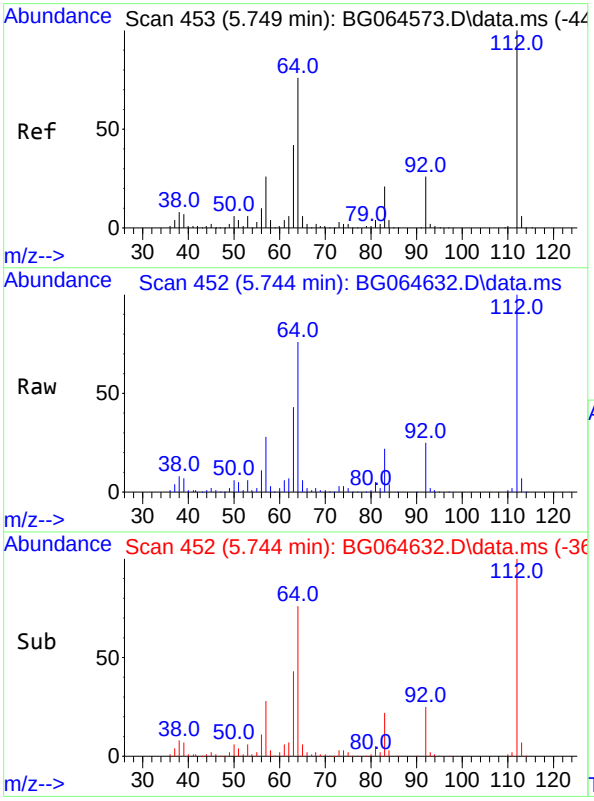
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064632.D
Acq: 29 Oct 2025 20:59

Instrument :
BNA_G
ClientSampleId :
MW-11

Tgt Ion:152 Resp: 33286

Ion	Ratio	Lower	Upper
152	100		
150	156.6	122.2	183.4
115	56.8	50.8	76.2

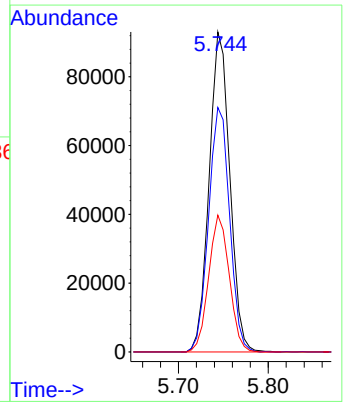


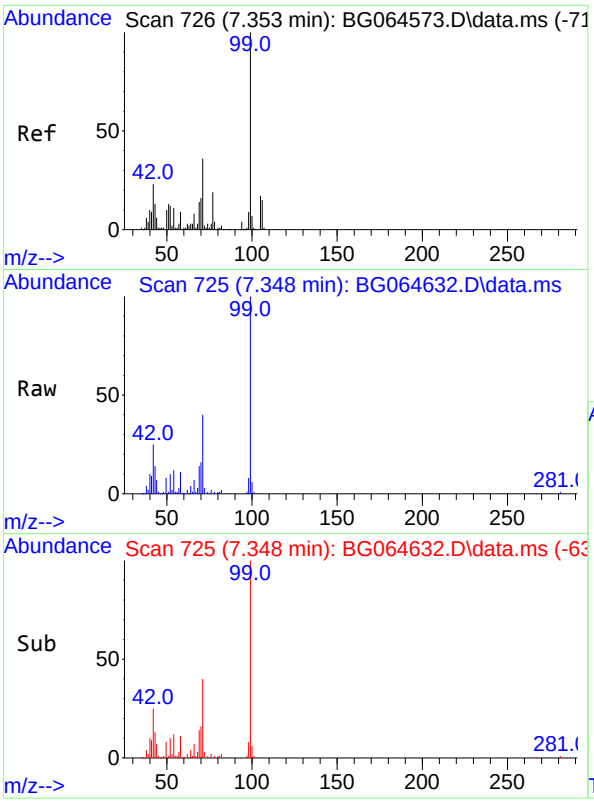


#5
2-Fluorophenol
Concen: 74.895 ng
RT: 5.744 min Scan# 452
Delta R.T. -0.003 min
Lab File: BG064632.D
Acq: 29 Oct 2025 20:59

Tgt Ion:112 Resp: 148523

Ion	Ratio	Lower	Upper
112	100		
64	76.4	60.7	91.1
63	42.7	33.4	50.0



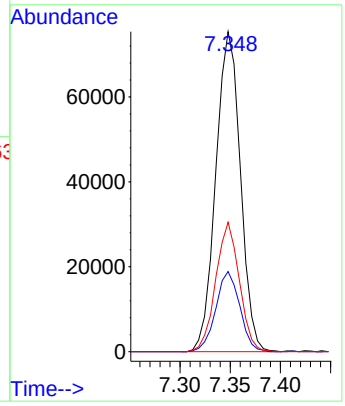


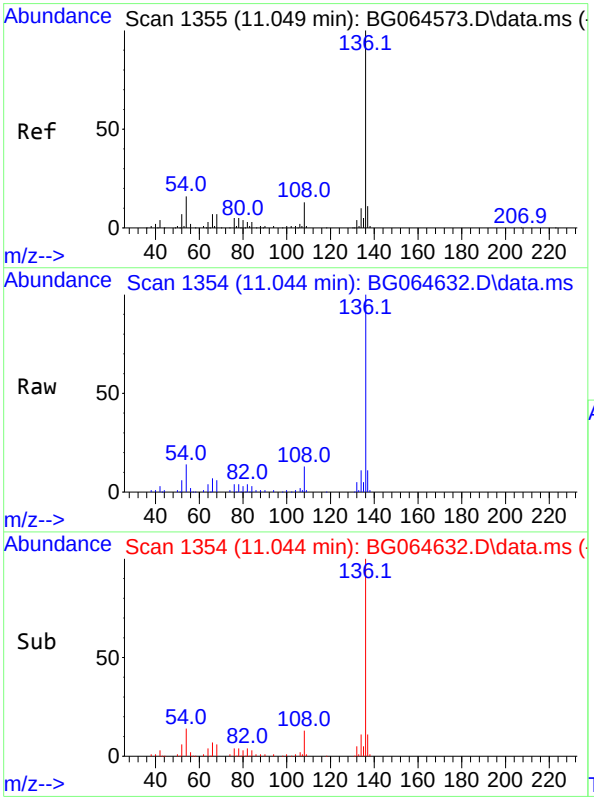
#7
Phenol-d6
Concen: 47.067 ng
RT: 7.348 min Scan# 7
Delta R.T. -0.009 min
Lab File: BG064632.D
Acq: 29 Oct 2025 20:59

Instrument :
BNA_G
ClientSampleId :
MW-11

Tgt Ion: 99 Resp: 128079

Ion	Ratio	Lower	Upper
99	100		
42	25.1	18.3	27.5
71	40.4	28.6	43.0

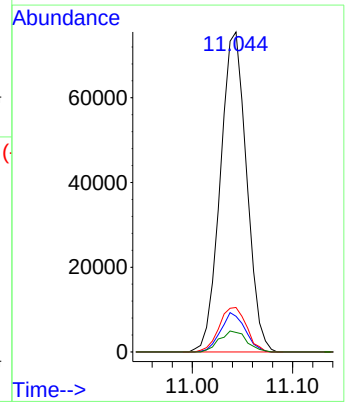


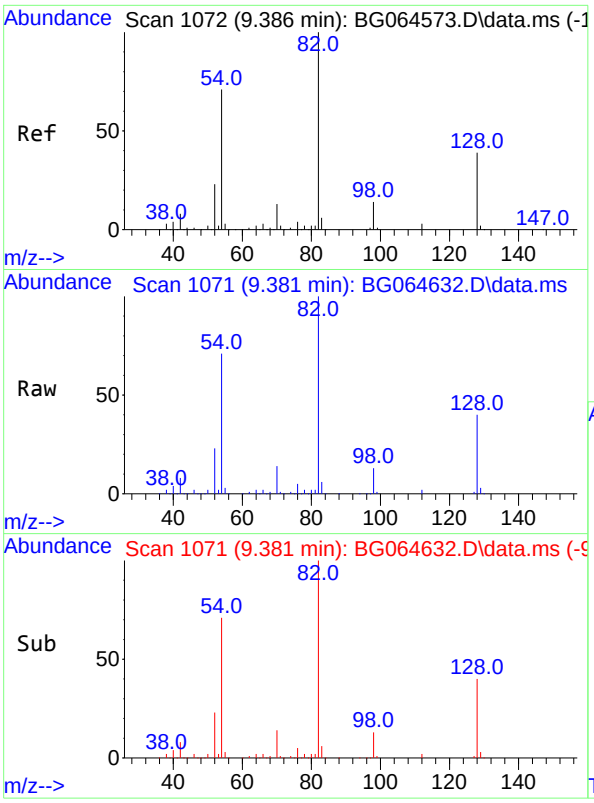


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1354
Delta R.T. -0.009 min
Lab File: BG064632.D
Acq: 29 Oct 2025 20:59

Tgt Ion:136 Resp: 137382

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.2	13.8
54	13.9	12.6	19.0
68	6.1	5.7	8.5



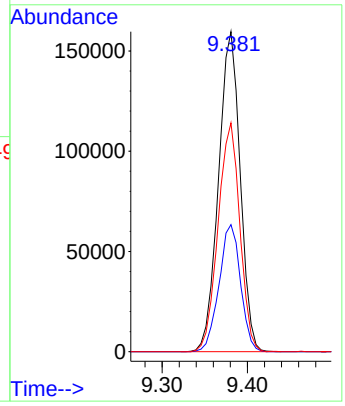


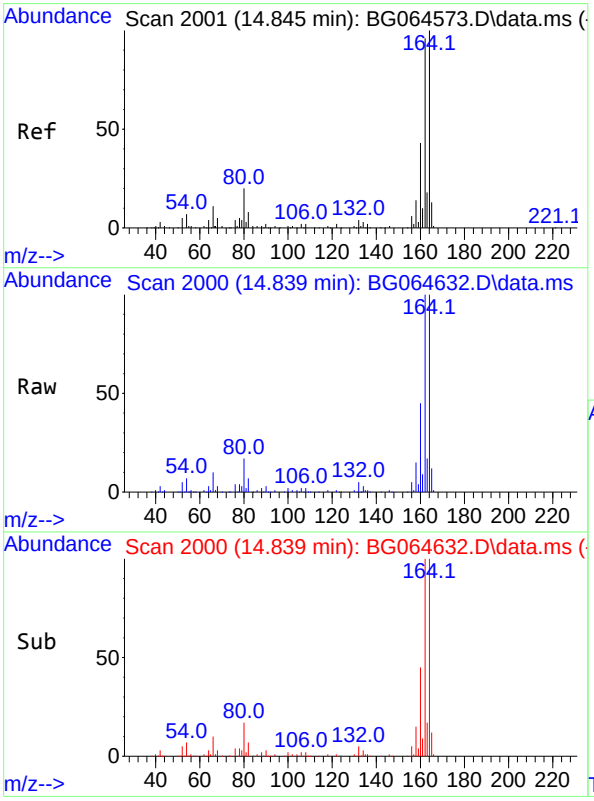
#23
Nitrobenzene-d5
Concen: 123.093 ng
RT: 9.381 min Scan# 1(
Delta R.T. -0.009 min
Lab File: BG064632.D
Acq: 29 Oct 2025 20:59

Instrument :
BNA_G
ClientSampleId :
MW-11

Tgt Ion: 82 Resp: 281552

Ion	Ratio	Lower	Upper
82	100		
128	39.7	31.3	46.9
54	71.5	56.6	84.8

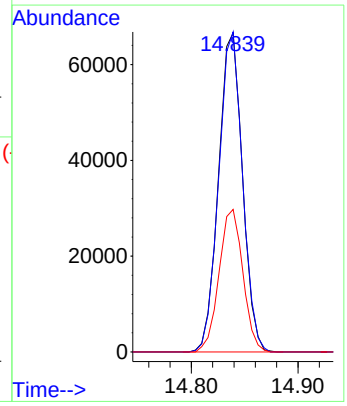


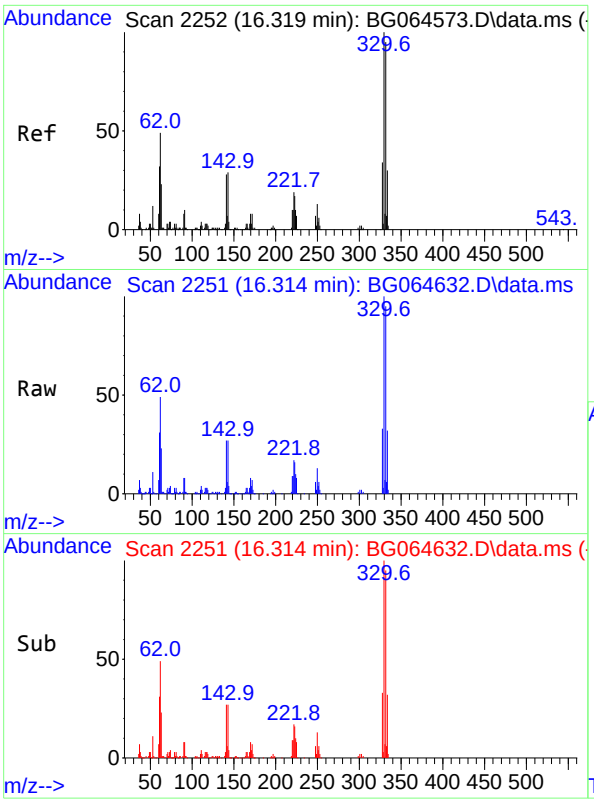


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064632.D
Acq: 29 Oct 2025 20:59

Tgt Ion:164 Resp: 103755

Ion	Ratio	Lower	Upper
164	100		
162	100.3	77.0	115.6
160	44.7	34.4	51.6



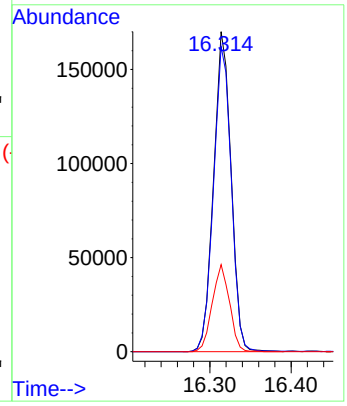


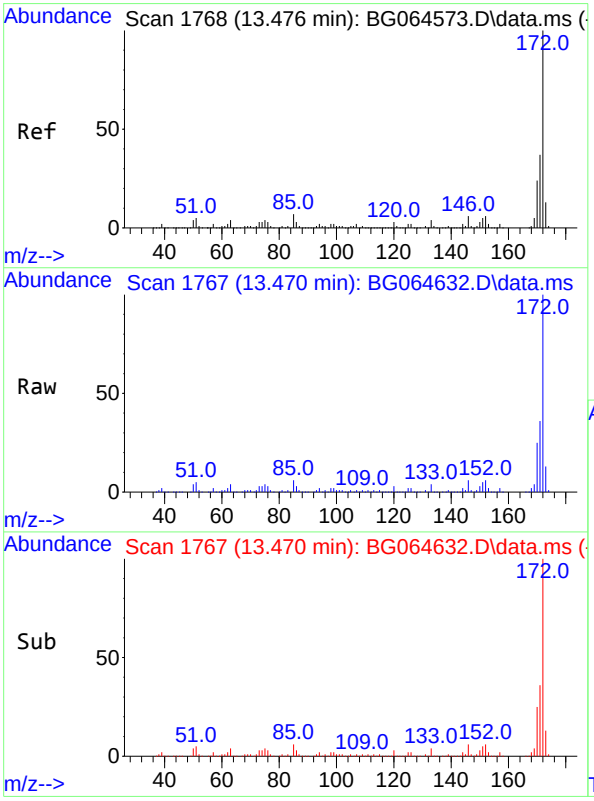
#42
2,4,6-Tribromophenol
Concen: 169.542 ng
RT: 16.314 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064632.D
Acq: 29 Oct 2025 20:59

Instrument :
BNA_G
ClientSampleId :
MW-11

Tgt Ion:330 Resp: 253889

Ion	Ratio	Lower	Upper
330	100		
332	97.0	78.0	117.0
141	26.9	21.8	32.6

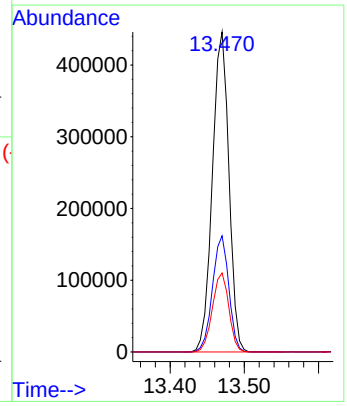


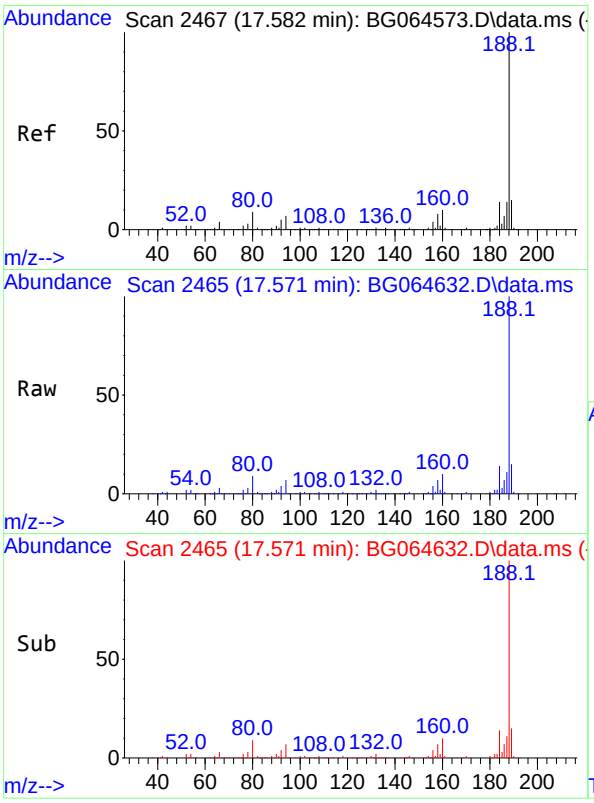


#45
2-Fluorobiphenyl
Concen: 100.801 ng
RT: 13.470 min Scan# 1767
Delta R.T. -0.009 min
Lab File: BG064632.D
Acq: 29 Oct 2025 20:59

Tgt Ion:172 Resp: 689995

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.7	19.1	28.7



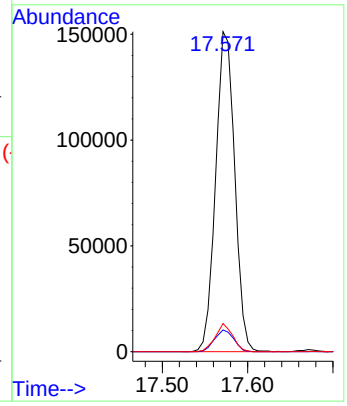


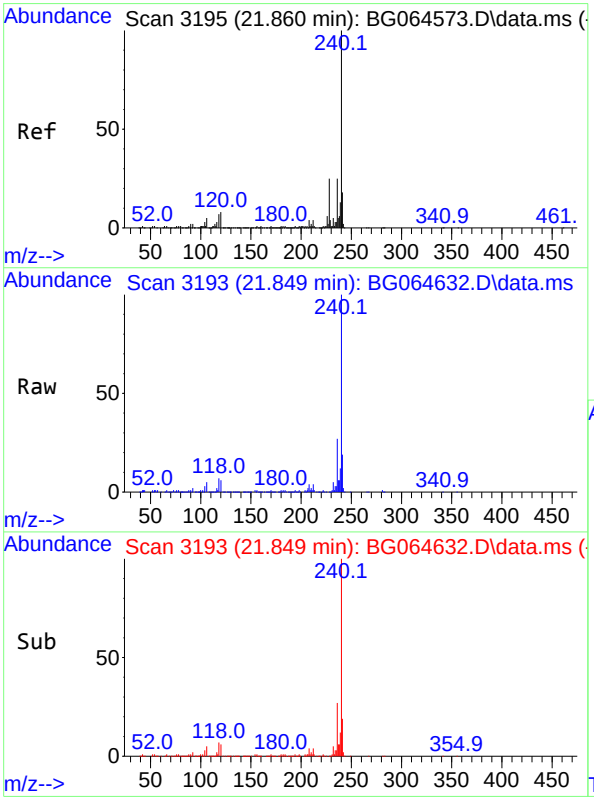
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.571 min Scan# 24
Delta R.T. -0.009 min
Lab File: BG064632.D
Acq: 29 Oct 2025 20:59

Instrument :
BNA_G
ClientSampleId :
MW-11

Tgt Ion:188 Resp: 234664

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

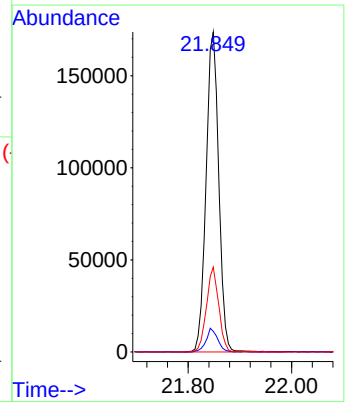


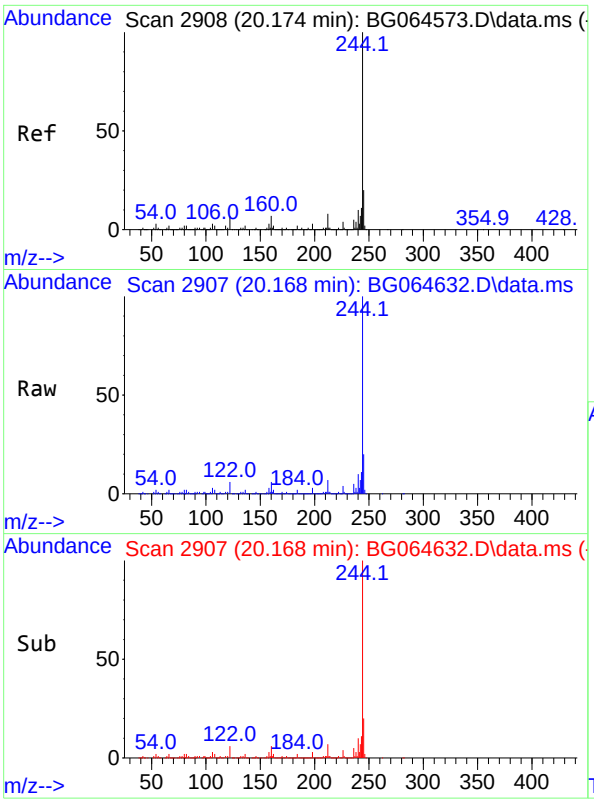


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.849 min Scan# 3193
Delta R.T. -0.015 min
Lab File: BG064632.D
Acq: 29 Oct 2025 20:59

Tgt Ion:240 Resp: 295229

Ion	Ratio	Lower	Upper
240	100		
120	6.4	6.5	9.7#
236	26.5	20.2	30.2



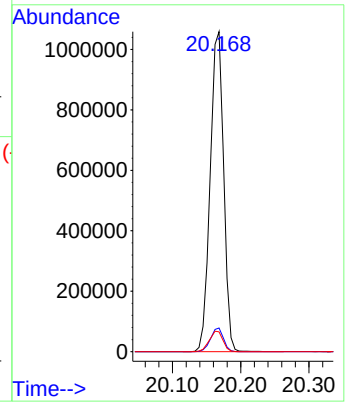


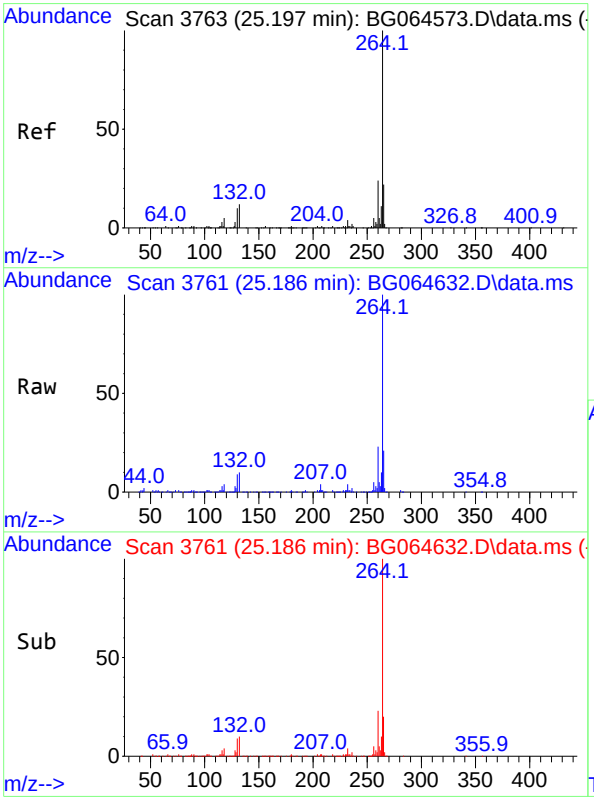
#79
Terphenyl-d14
Concen: 92.912 ng
RT: 20.168 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064632.D
Acq: 29 Oct 2025 20:59

Instrument :
BNA_G
ClientSampleId :
MW-11

Tgt Ion:244 Resp: 1453520

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.1	9.1
122	6.2	5.6	8.4

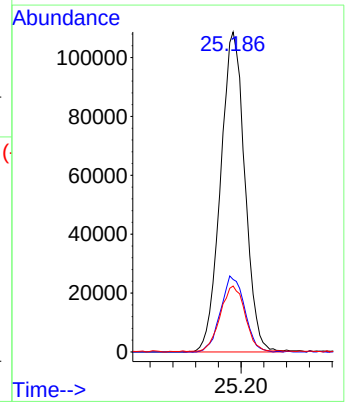




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.186 min Scan# 3761
Delta R.T. -0.015 min
Lab File: BG064632.D
Acq: 29 Oct 2025 20:59

Tgt Ion:264 Resp: 321514

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.0	28.4
265	20.6	17.6	26.4



Raw Data: **BG064633.D**

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

Report of Analysis

Client:	LiRo Engineers, Inc.	Date Collected:	10/23/25
Project:	RFK Bridge RMB-Randall Island	Date Received:	10/24/25
Client Sample ID:	MW-13	SDG No.:	Q3468
Lab Sample ID:	Q3468-05	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	1000 mL Final Vol: 1000 uL	Test:	SVOCMS Group1
Prep Method :	3510C Prep Date: 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
208-96-8	Acenaphthylene	5.00	U	1	0.75	5.00	ug/L	10/29/25 21:40	PB170286
83-32-9	Acenaphthene	5.00	U	1	0.55	5.00	ug/L	10/29/25 21:40	PB170286
86-73-7	Fluorene	5.00	U	1	0.63	5.00	ug/L	10/29/25 21:40	PB170286
85-01-8	Phenanthrene	5.00	U	1	0.50	5.00	ug/L	10/29/25 21:40	PB170286
120-12-7	Anthracene	5.00	U	1	0.61	5.00	ug/L	10/29/25 21:40	PB170286
206-44-0	Fluoranthene	5.00	U	1	0.82	5.00	ug/L	10/29/25 21:40	PB170286
129-00-0	Pyrene	5.00	U	1	0.50	5.00	ug/L	10/29/25 21:40	PB170286
56-55-3	Benzo(a)anthracene	5.00	U	1	0.45	5.00	ug/L	10/29/25 21:40	PB170286
218-01-9	Chrysene	5.00	U	1	0.44	5.00	ug/L	10/29/25 21:40	PB170286
205-99-2	Benzo(b)fluoranthene	5.00	U	1	0.49	5.00	ug/L	10/29/25 21:40	PB170286
207-08-9	Benzo(k)fluoranthene	5.00	U	1	0.48	5.00	ug/L	10/29/25 21:40	PB170286
50-32-8	Benzo(a)pyrene	5.00	U	1	0.55	5.00	ug/L	10/29/25 21:40	PB170286
193-39-5	Indeno(1,2,3-cd)pyrene	5.00	U	1	0.59	5.00	ug/L	10/29/25 21:40	PB170286
53-70-3	Dibenzo(a,h)anthracene	5.00	U	1	0.67	5.00	ug/L	10/29/25 21:40	PB170286
191-24-2	Benzo(g,h,i)perylene	5.00	U	1	0.69	5.00	ug/L	10/29/25 21:40	PB170286
SURROGATES									
4165-60-0	Nitrobenzene-d5	113			67 - 132	113%	SPK: 100		
321-60-8	2-Fluorobiphenyl	94.7			52 - 132	95%	SPK: 100		
1718-51-0	Terphenyl-d14	90.7			42 - 152	91%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	31900							
1146-65-2	Naphthalene-d8	122000							
15067-26-2	Acenaphthene-d10	91000							
1517-22-2	Phenanthrene-d10	220000							
1719-03-5	Chrysene-d12	278000							
1520-96-3	Perylene-d12	306000							

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: **BG064633.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064633.D
Acq On : 29 Oct 2025 21:40
Operator : RC/JU
Sample : Q3468-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-13

Quant Time: Oct 30 04:59:54 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	31875	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	122159	20.000	ng	0.00
39) Acenaphthene-d10	14.838	164	91004	20.000	ng	0.00
64) Phenanthrene-d10	17.570	188	219936	20.000	ng	0.00
76) Chrysene-d12	21.848	240	277573	20.000	ng	-0.02
86) Perylene-d12	25.185	264	306088	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	119700	63.032	ng	0.00
7) Phenol-d6	7.347	99	103441	39.696	ng	0.00
23) Nitrobenzene-d5	9.380	82	229863	113.018	ng	-0.01
42) 2,4,6-Tribromophenol	16.313	330	224545	170.957	ng	-0.01
45) 2-Fluorobiphenyl	13.469	172	568749	94.730	ng	0.00
79) Terphenyl-d14	20.167	244	1334202	90.710	ng	0.00
Target Compounds						Qvalue

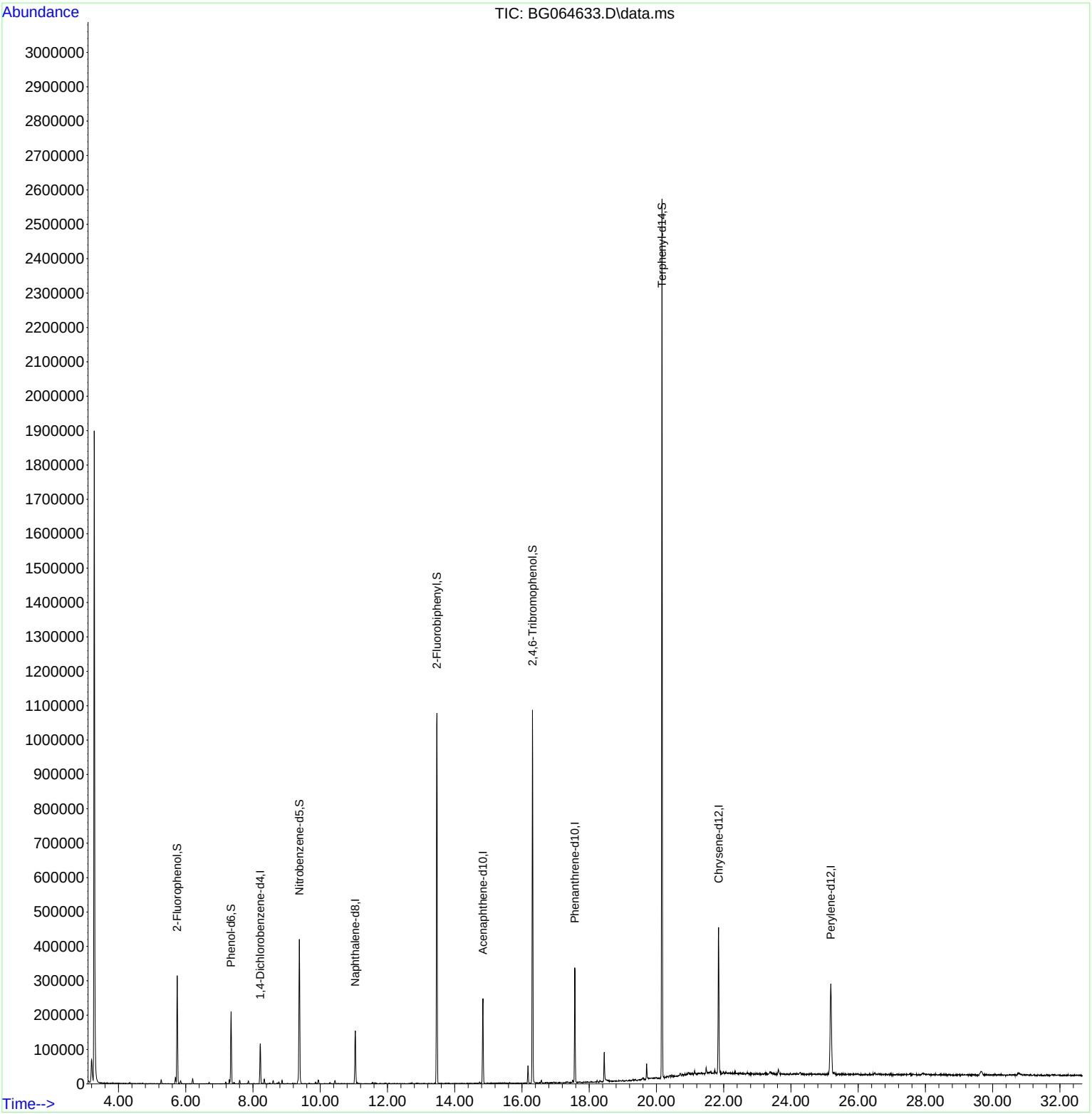
(#) = qualifier out of range (m) = manual integration (+) = signals summed

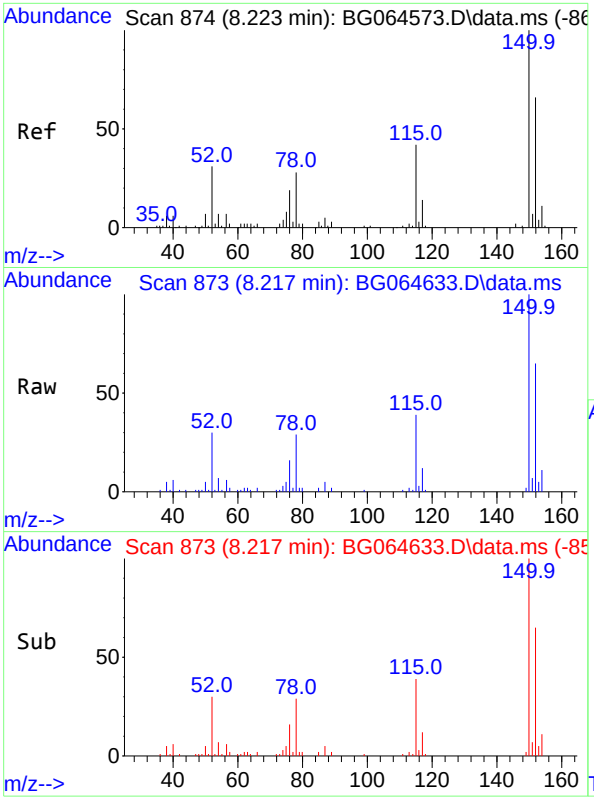
Sample Results: **BG064633.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064633.D
Acq On : 29 Oct 2025 21:40
Operator : RC/JU
Sample : Q3468-05
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-13

Quant Time: Oct 30 04:59:54 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



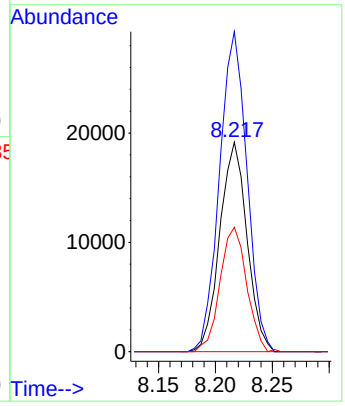


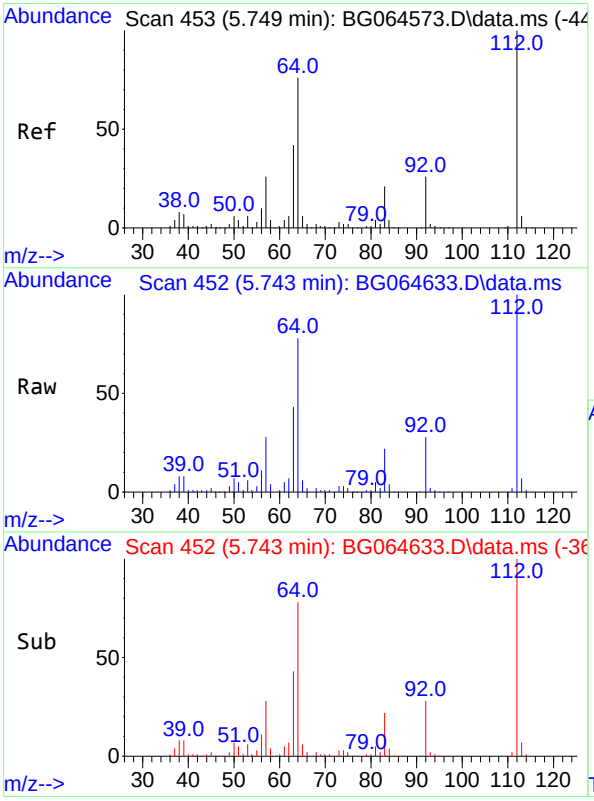
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064633.D
Acq: 29 Oct 2025 21:40

Instrument :
BNA_G
ClientSampleId :
MW-13

Tgt Ion:152 Resp: 31875

Ion	Ratio	Lower	Upper
152	100		
150	152.8	122.2	183.4
115	59.5	50.8	76.2

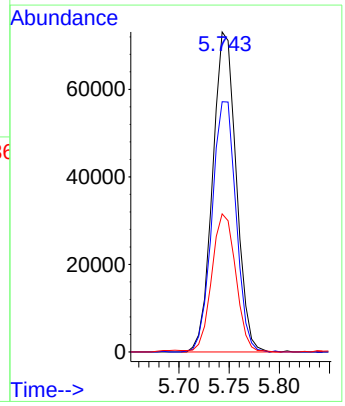


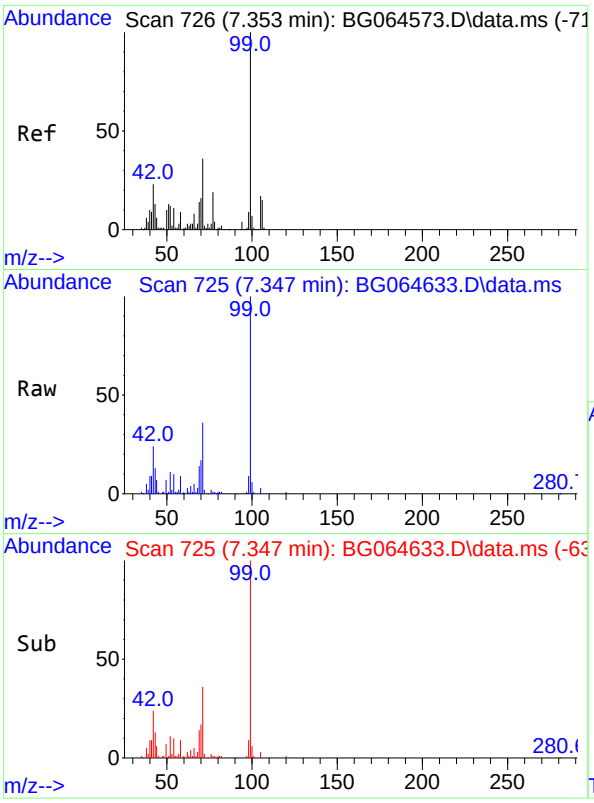


#5
2-Fluorophenol
Concen: 63.032 ng
RT: 5.743 min Scan# 452
Delta R.T. -0.004 min
Lab File: BG064633.D
Acq: 29 Oct 2025 21:40

Tgt Ion:112 Resp: 119700

Ion	Ratio	Lower	Upper
112	100		
64	78.2	60.7	91.1
63	43.2	33.4	50.0



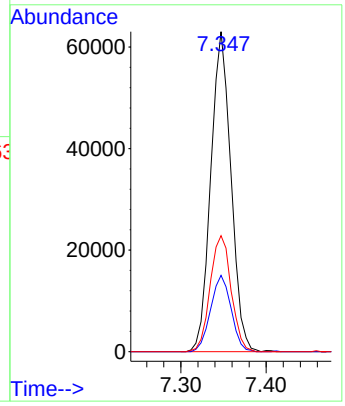


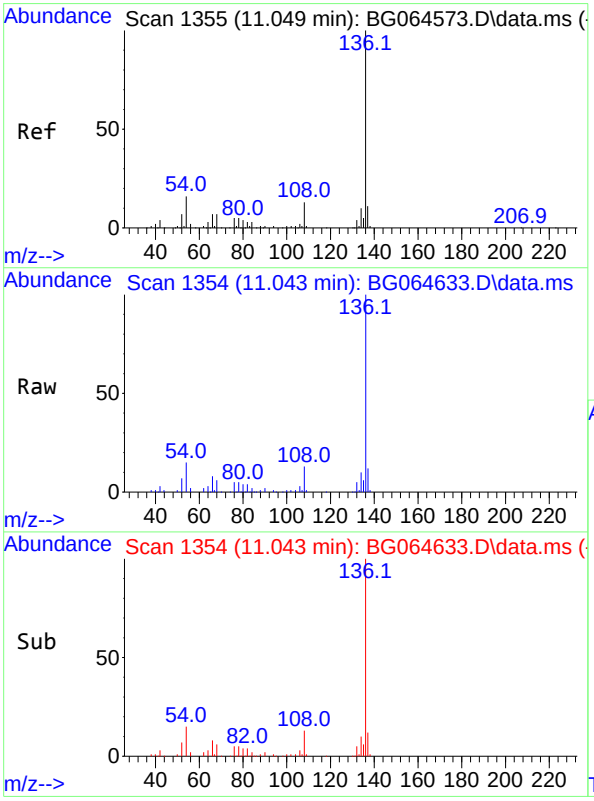
#7
Phenol-d6
Concen: 39.696 ng
RT: 7.347 min Scan# 7
Delta R.T. -0.010 min
Lab File: BG064633.D
Acq: 29 Oct 2025 21:40

Instrument :
BNA_G
ClientSampleId :
MW-13

Tgt Ion: 99 Resp: 103441

Ion	Ratio	Lower	Upper
99	100		
42	23.8	18.3	27.5
71	36.2	28.6	43.0

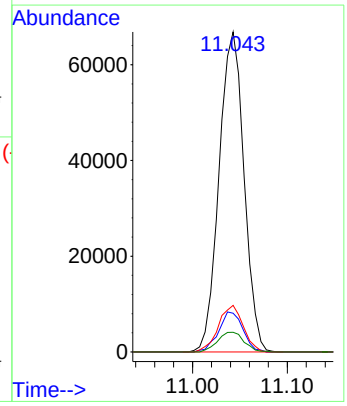


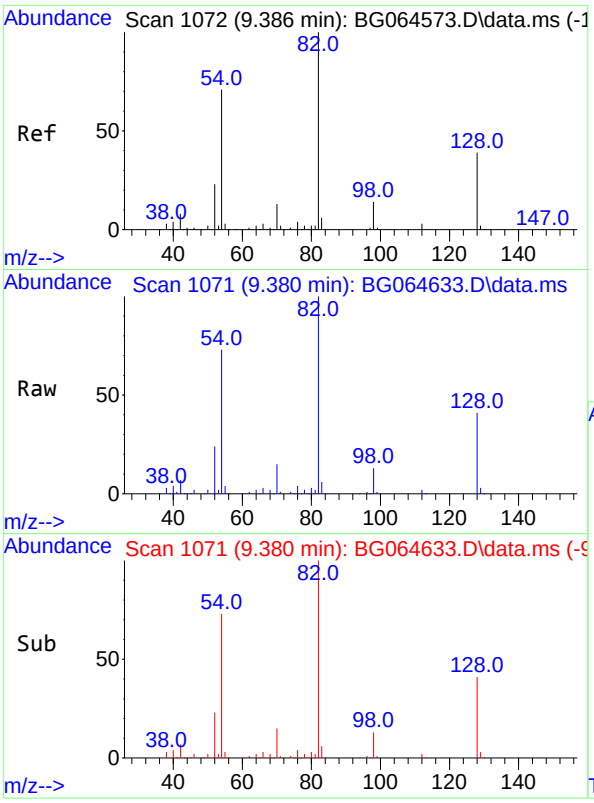


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1354
Delta R.T. -0.010 min
Lab File: BG064633.D
Acq: 29 Oct 2025 21:40

Tgt Ion:136 Resp: 122159

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.2	13.8
54	14.6	12.6	19.0
68	6.2	5.7	8.5



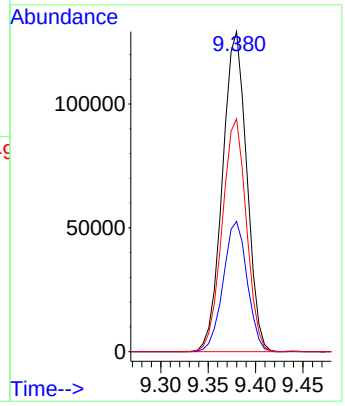


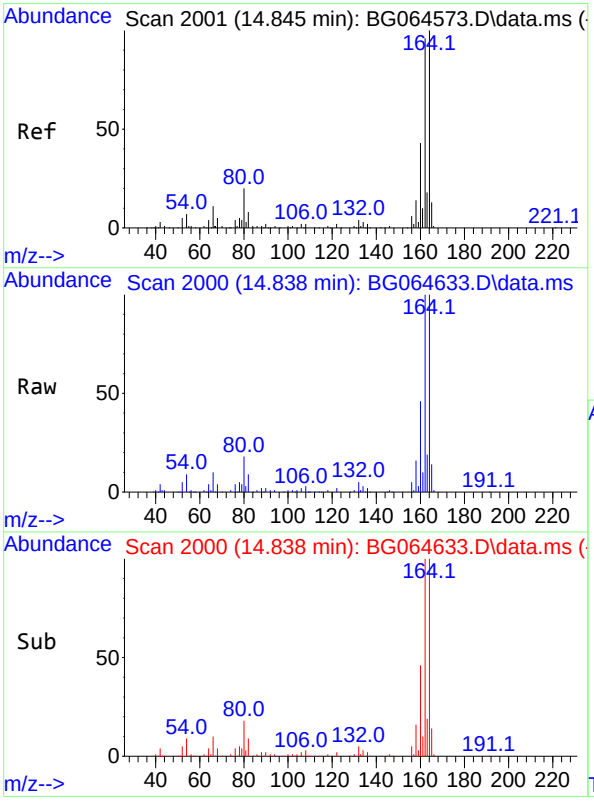
#23
Nitrobenzene-d5
Concen: 113.018 ng
RT: 9.380 min Scan# 1(
Delta R.T. -0.010 min
Lab File: BG064633.D
Acq: 29 Oct 2025 21:40

Instrument :
BNA_G
ClientSampleId :
MW-13

Tgt Ion: 82 Resp: 229863

Ion	Ratio	Lower	Upper
82	100		
128	40.7	31.3	46.9
54	72.8	56.6	84.8

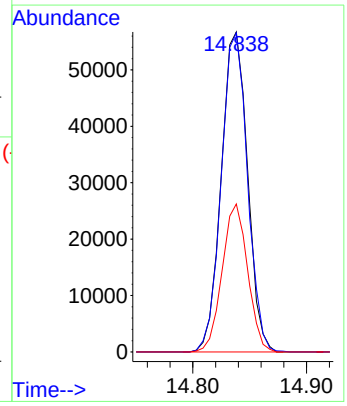


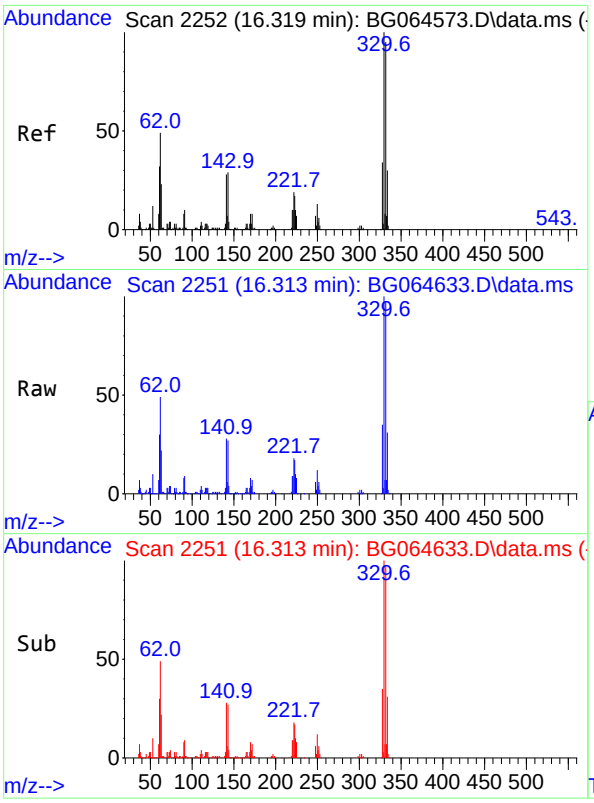


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.838 min Scan# 2000
Delta R.T. -0.004 min
Lab File: BG064633.D
Acq: 29 Oct 2025 21:40

Tgt Ion:164 Resp: 91004

Ion	Ratio	Lower	Upper
164	100		
162	99.7	77.0	115.6
160	46.2	34.4	51.6



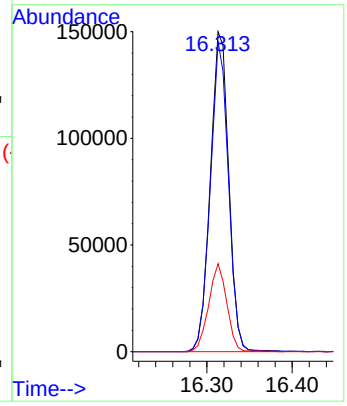


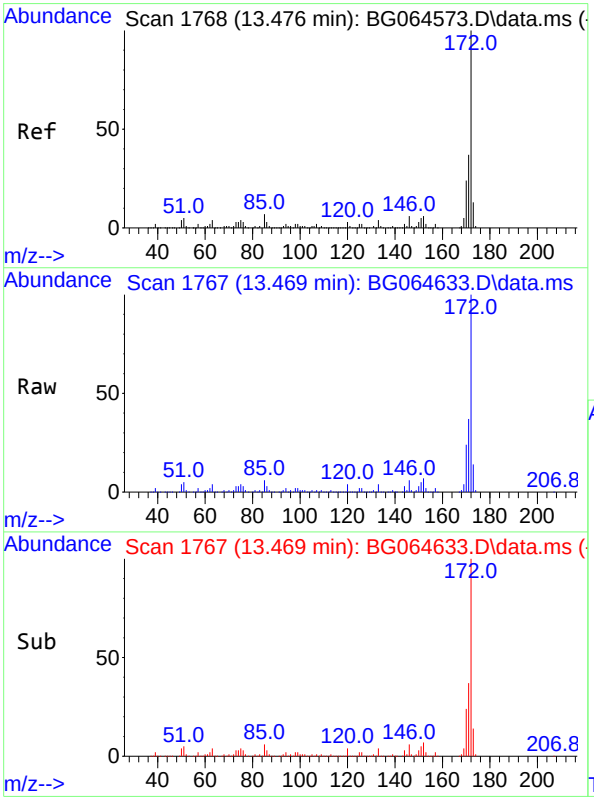
#42
2,4,6-Tribromophenol
Concen: 170.957 ng
RT: 16.313 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064633.D
Acq: 29 Oct 2025 21:40

Instrument :
BNA_G
ClientSampleId :
MW-13

Tgt Ion:330 Resp: 224545

Ion	Ratio	Lower	Upper
330	100		
332	95.4	78.0	117.0
141	27.1	21.8	32.6

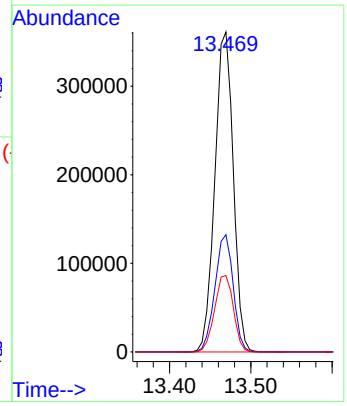


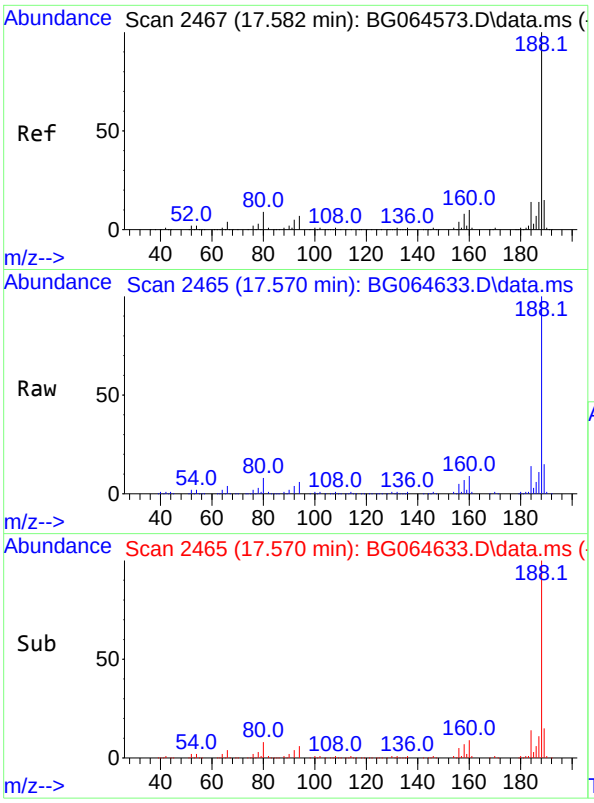


#45
2-Fluorobiphenyl
Concen: 94.730 ng
RT: 13.469 min Scan# 1767
Delta R.T. -0.010 min
Lab File: BG064633.D
Acq: 29 Oct 2025 21:40

Tgt Ion:172 Resp: 568749

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	23.9	19.1	28.7



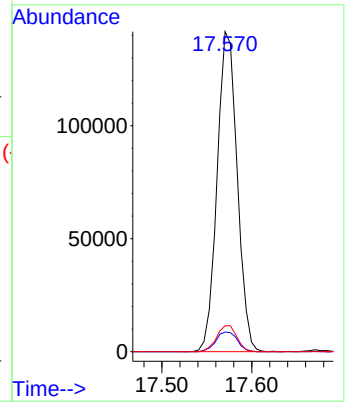


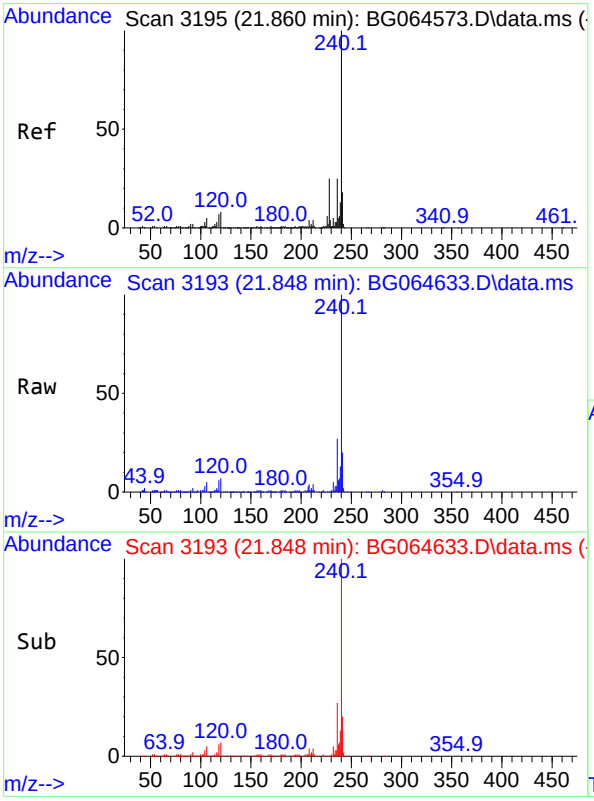
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.570 min Scan# 24
Delta R.T. -0.010 min
Lab File: BG064633.D
Acq: 29 Oct 2025 21:40

Instrument :
BNA_G
ClientSampleId :
MW-13

Tgt Ion:188 Resp: 219936

Ion	Ratio	Lower	Upper
188	100		
94	6.1	5.7	8.5
80	8.1	6.8	10.2

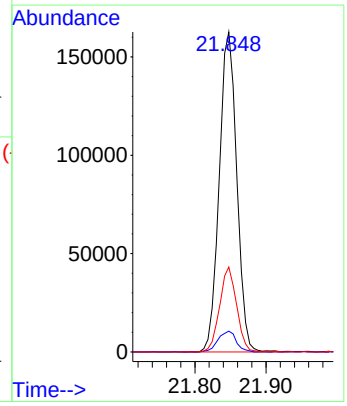


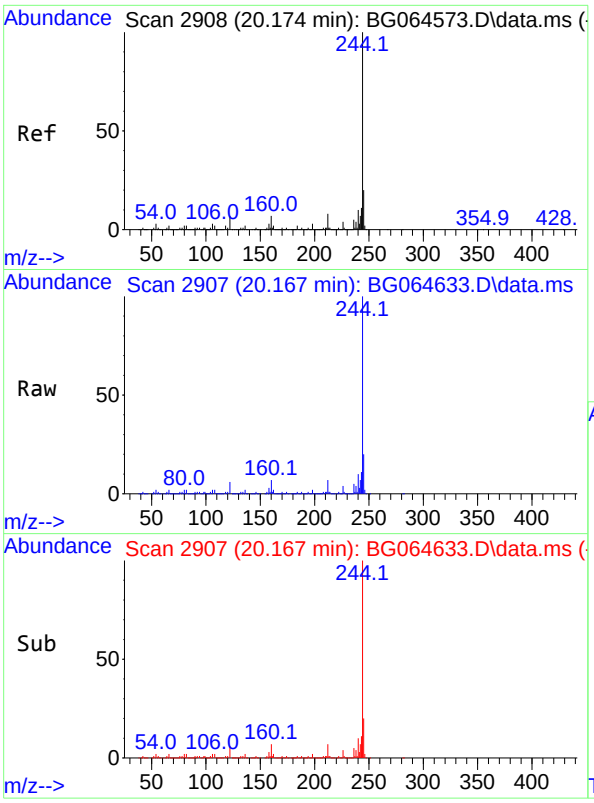


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.016 min
Lab File: BG064633.D
Acq: 29 Oct 2025 21:40

Tgt Ion:240 Resp: 277573

Ion	Ratio	Lower	Upper
240	100		
120	6.5	6.5	9.7
236	26.6	20.2	30.2



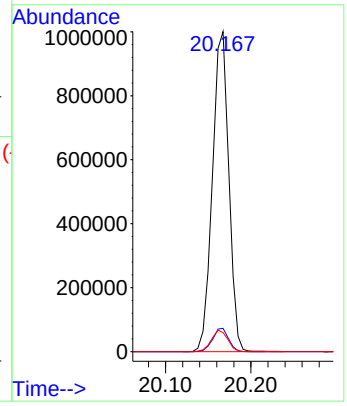


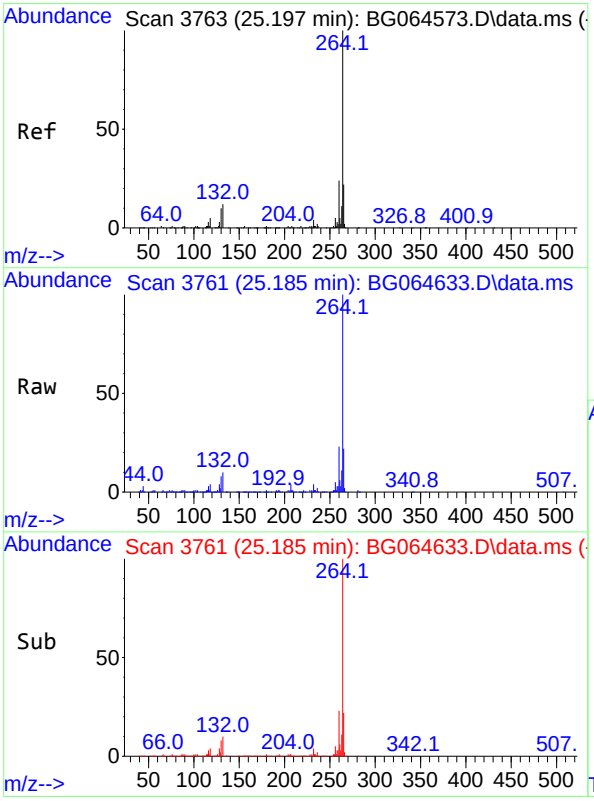
#79
Terphenyl-d14
Concen: 90.710 ng
RT: 20.167 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064633.D
Acq: 29 Oct 2025 21:40

Instrument :
BNA_G
ClientSampleId :
MW-13

Tgt Ion:244 Resp: 1334202

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.1	9.1
122	6.0	5.6	8.4

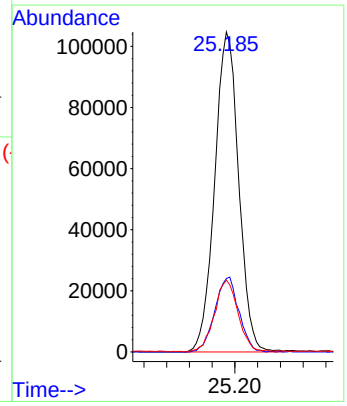




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.185 min Scan# 3761
Delta R.T. -0.016 min
Lab File: BG064633.D
Acq: 29 Oct 2025 21:40

Tgt Ion:264 Resp: 306088

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.0	28.4
265	22.5	17.6	26.4



Raw Data: **BG064634.D**

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

Report of Analysis

Client:	LiRo Engineers, Inc.	Date Collected:	10/23/25
Project:	RFK Bridge RMB-Randall Island	Date Received:	10/24/25
Client Sample ID:	MW-12	SDG No.:	Q3468
Lab Sample ID:	Q3468-06	Matrix:	Water
Analytical Method:	8270E Level: LOW	% Solid:	0
Sample Wt/Vol:	950 mL Final Vol: 1000 uL	Test:	SVOCMS Group1
Prep Method :	3510C Prep Date: 10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
208-96-8	Acenaphthylene	5.30	U	1	0.79	5.30	ug/L	10/29/25 22:21	PB170286
83-32-9	Acenaphthene	5.30	U	1	0.58	5.30	ug/L	10/29/25 22:21	PB170286
86-73-7	Fluorene	5.30	U	1	0.66	5.30	ug/L	10/29/25 22:21	PB170286
85-01-8	Phenanthrene	5.30	U	1	0.53	5.30	ug/L	10/29/25 22:21	PB170286
120-12-7	Anthracene	5.30	U	1	0.64	5.30	ug/L	10/29/25 22:21	PB170286
206-44-0	Fluoranthene	5.30	U	1	0.86	5.30	ug/L	10/29/25 22:21	PB170286
129-00-0	Pyrene	5.30	U	1	0.53	5.30	ug/L	10/29/25 22:21	PB170286
56-55-3	Benzo(a)anthracene	5.30	U	1	0.47	5.30	ug/L	10/29/25 22:21	PB170286
218-01-9	Chrysene	5.30	U	1	0.46	5.30	ug/L	10/29/25 22:21	PB170286
205-99-2	Benzo(b)fluoranthene	5.30	U	1	0.52	5.30	ug/L	10/29/25 22:21	PB170286
207-08-9	Benzo(k)fluoranthene	5.30	U	1	0.51	5.30	ug/L	10/29/25 22:21	PB170286
50-32-8	Benzo(a)pyrene	5.30	U	1	0.58	5.30	ug/L	10/29/25 22:21	PB170286
193-39-5	Indeno(1,2,3-cd)pyrene	5.30	U	1	0.62	5.30	ug/L	10/29/25 22:21	PB170286
53-70-3	Dibenzo(a,h)anthracene	5.30	U	1	0.71	5.30	ug/L	10/29/25 22:21	PB170286
191-24-2	Benzo(g,h,i)perylene	5.30	U	1	0.73	5.30	ug/L	10/29/25 22:21	PB170286
SURROGATES									
4165-60-0	Nitrobenzene-d5	117			67 - 132	117%	SPK: 100		
321-60-8	2-Fluorobiphenyl	86.3			52 - 132	86%	SPK: 100		
1718-51-0	Terphenyl-d14	92.3			42 - 152	92%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	32000							
1146-65-2	Naphthalene-d8	124000							
15067-26-2	Acenaphthene-d10	102000							
1517-22-2	Phenanthrene-d10	213000							
1719-03-5	Chrysene-d12	279000							
1520-96-3	Perylene-d12	310000							

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: **BG064634.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064634.D
Acq On : 29 Oct 2025 22:21
Operator : RC/JU
Sample : Q3468-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-12

Quant Time: Oct 30 05:00:14 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	8.218	152	31994	20.000	ng	0.00
21) Naphthalene-d8	11.038	136	123990	20.000	ng	-0.01
39) Acenaphthene-d10	14.840	164	102275	20.000	ng	0.00
64) Phenanthrene-d10	17.572	188	212573	20.000	ng	0.00
76) Chrysene-d12	21.843	240	278839	20.000	ng	-0.02
86) Perylene-d12	25.186	264	309539	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.744	112	150145	78.770	ng	0.00
7) Phenol-d6	7.348	99	141038	53.922	ng	0.00
23) Nitrobenzene-d5	9.381	82	242395	117.420	ng	0.00
42) 2,4,6-Tribromophenol	16.314	330	223448	151.374	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	582439	86.319	ng	0.00
79) Terphenyl-d14	20.163	244	1364433	92.344	ng	-0.01
Target Compounds						Qvalue
27) 2,4-Dimethylphenol	10.221	122	16239	8.640	ng	# 81
31) Naphthalene	11.097	128	578269	84.119	ng	100
38) 1-Methylnaphthalene	12.901	142	56757	11.429	ng	# 98

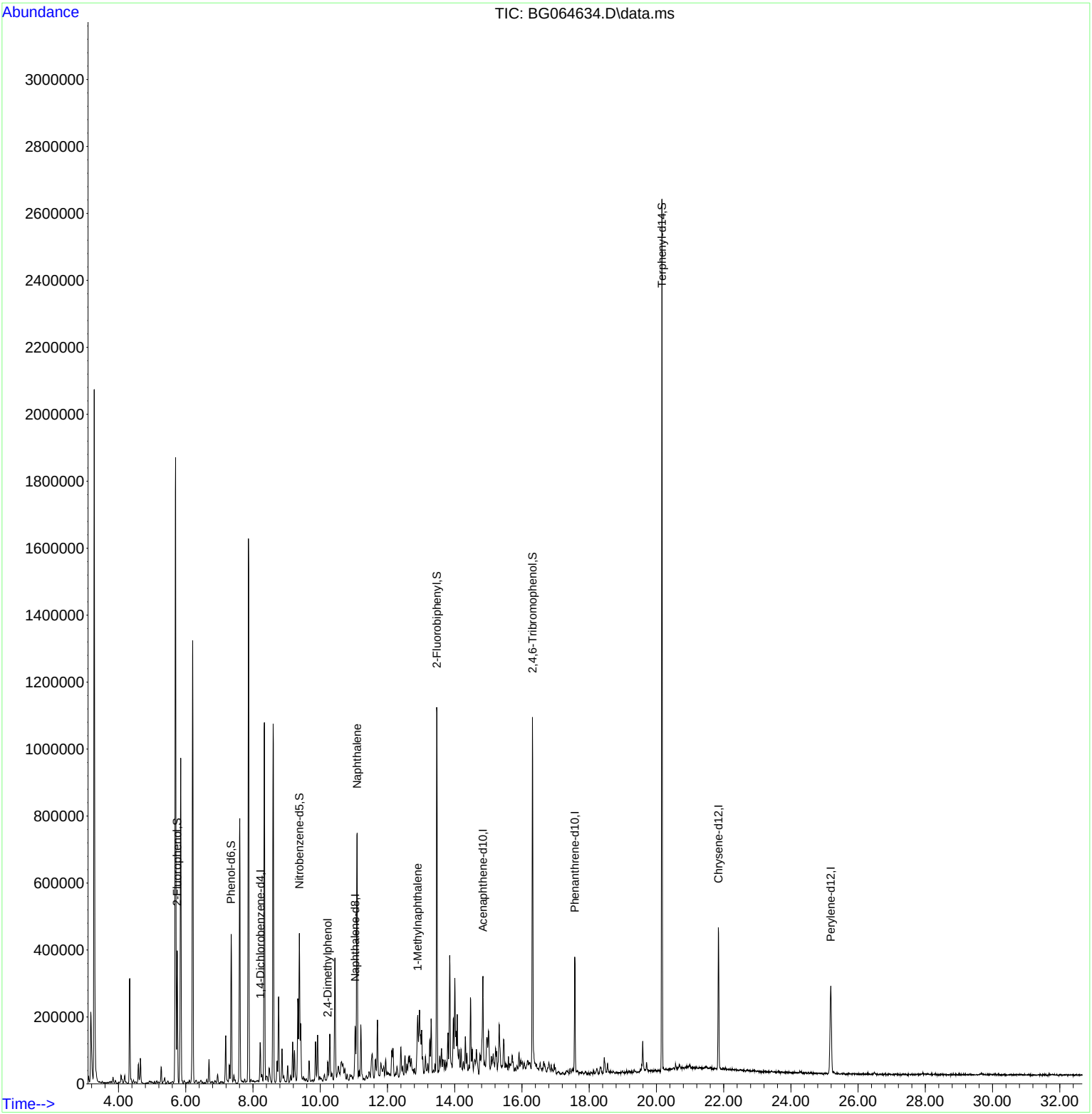
(#) = qualifier out of range (m) = manual integration (+) = signals summed

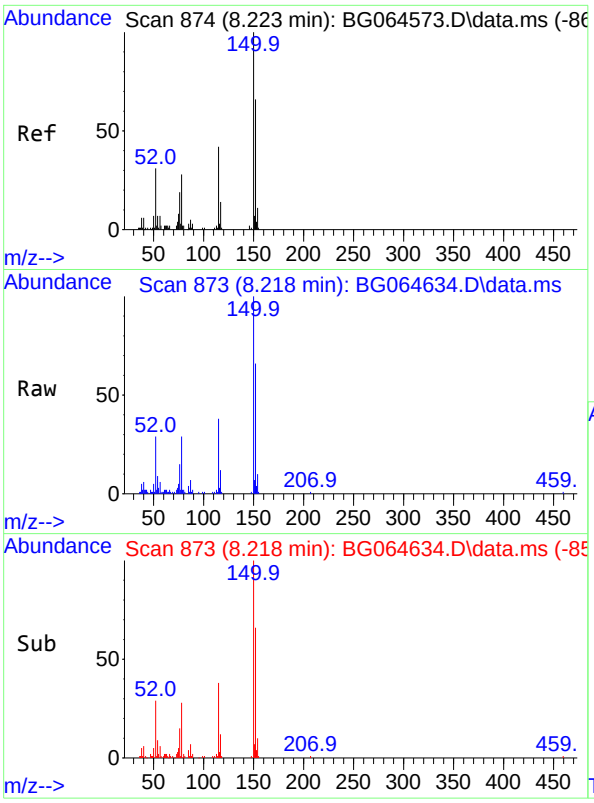
Sample Results: **BG064634.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064634.D
Acq On : 29 Oct 2025 22:21
Operator : RC/JU
Sample : Q3468-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW-12

Quant Time: Oct 30 05:00:14 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



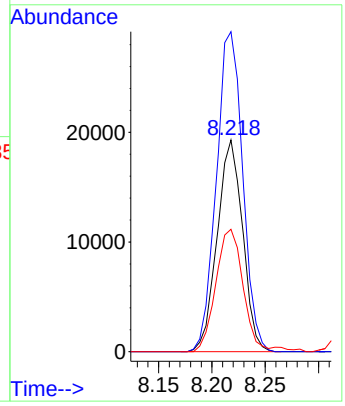


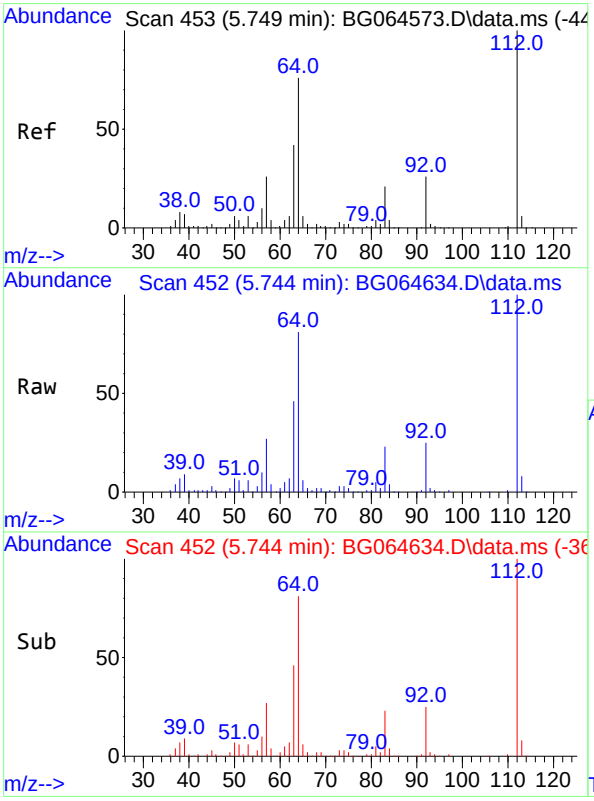
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Instrument :
BNA_G
ClientSampleId :
MW-12

Tgt Ion:152 Resp: 31994

Ion	Ratio	Lower	Upper
152	100		
150	151.1	122.2	183.4
115	57.8	50.8	76.2

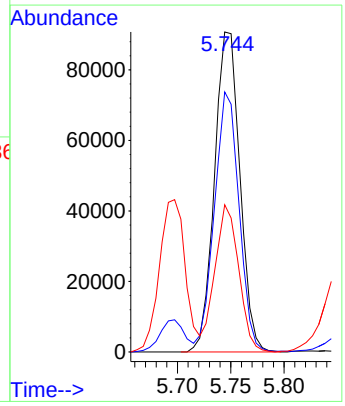


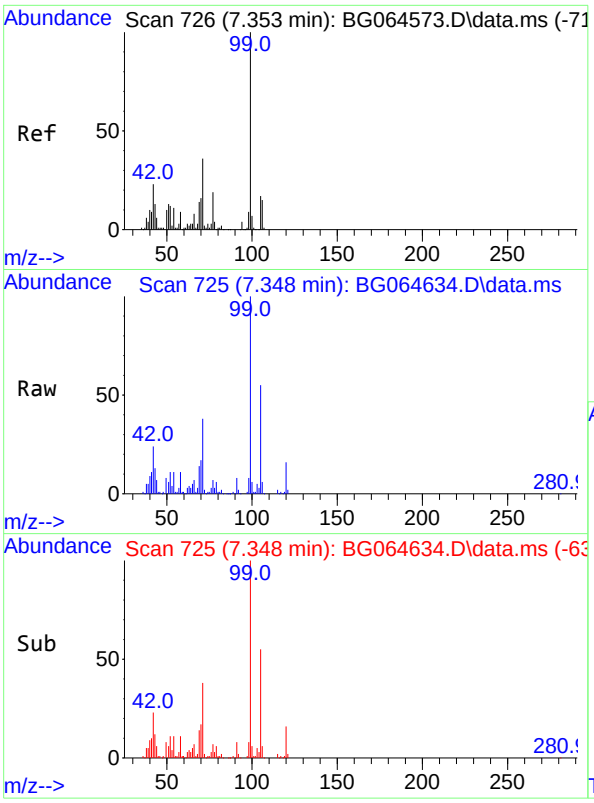


#5
2-Fluorophenol
Concen: 78.770 ng
RT: 5.744 min Scan# 452
Delta R.T. -0.003 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Tgt Ion:112 Resp: 150145

Ion	Ratio	Lower	Upper
112	100		
64	81.2	60.7	91.1
63	46.0	33.4	50.0



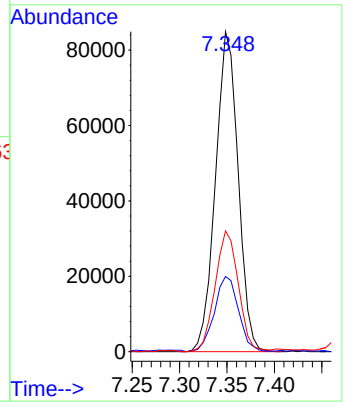


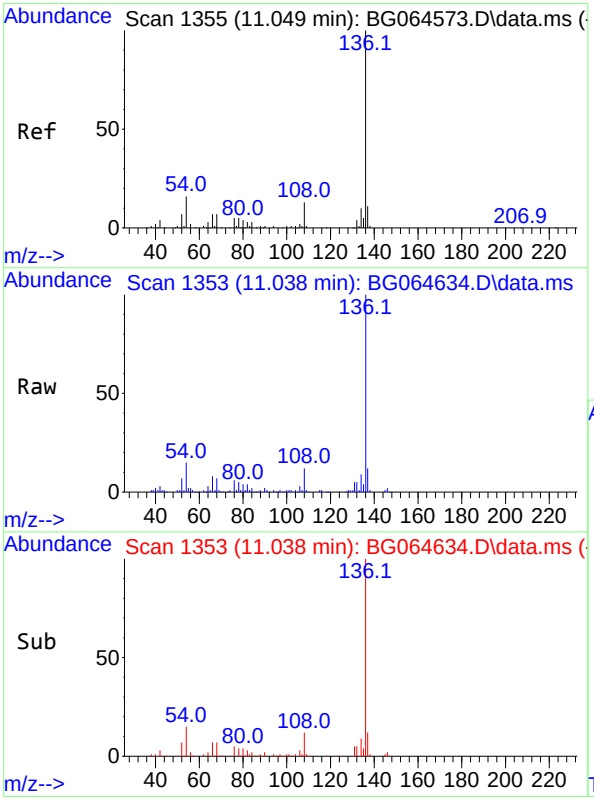
#7
Phenol-d6
Concen: 53.922 ng
RT: 7.348 min Scan# 7
Delta R.T. -0.008 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Instrument :
BNA_G
ClientSampleId :
MW-12

Tgt Ion: 99 Resp: 141038

Ion	Ratio	Lower	Upper
99	100		
42	23.5	18.3	27.5
71	37.8	28.6	43.0

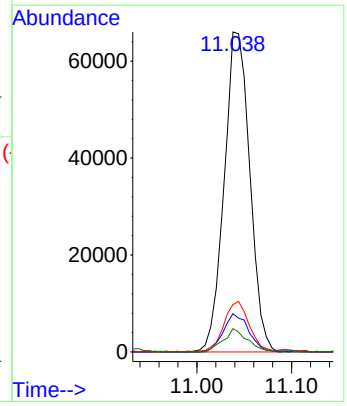


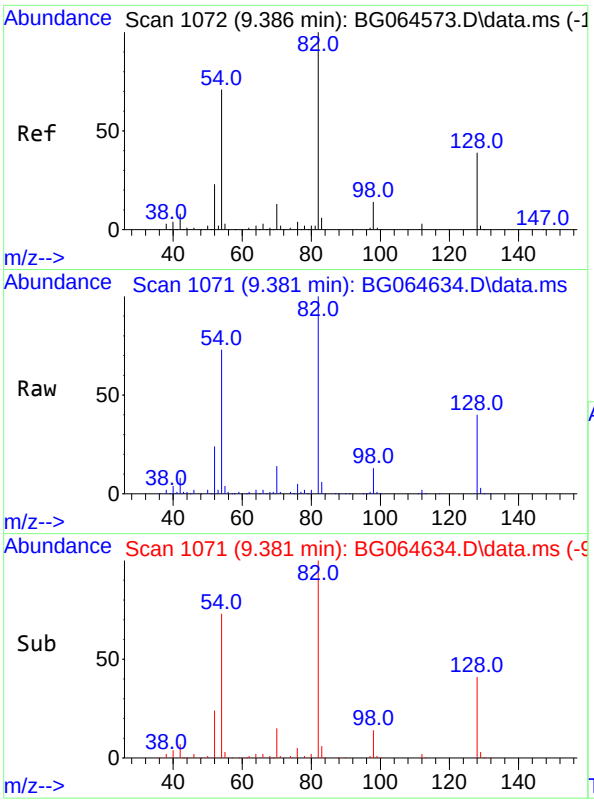


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.038 min Scan# 1353
Delta R.T. -0.014 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Tgt Ion:136 Resp: 123990

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.2	13.8
54	14.8	12.6	19.0
68	7.3	5.7	8.5



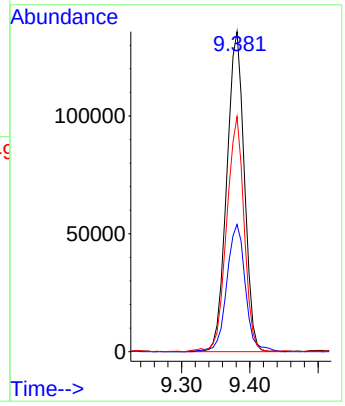


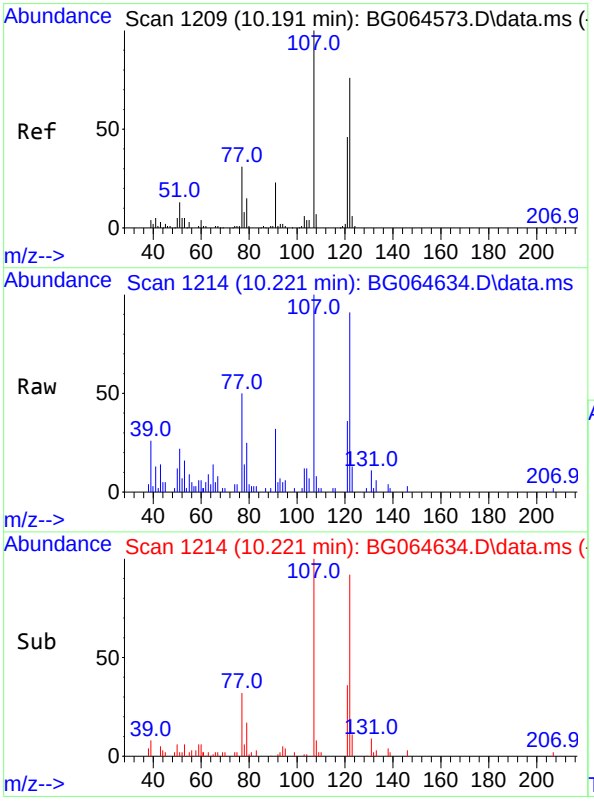
#23
Nitrobenzene-d5
Concen: 117.420 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Instrument :
BNA_G
ClientSampleId :
MW-12

Tgt Ion: 82 Resp: 242395

Ion	Ratio	Lower	Upper
82	100		
128	39.7	31.3	46.9
54	73.4	56.6	84.8

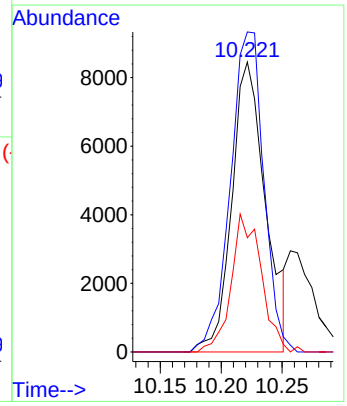




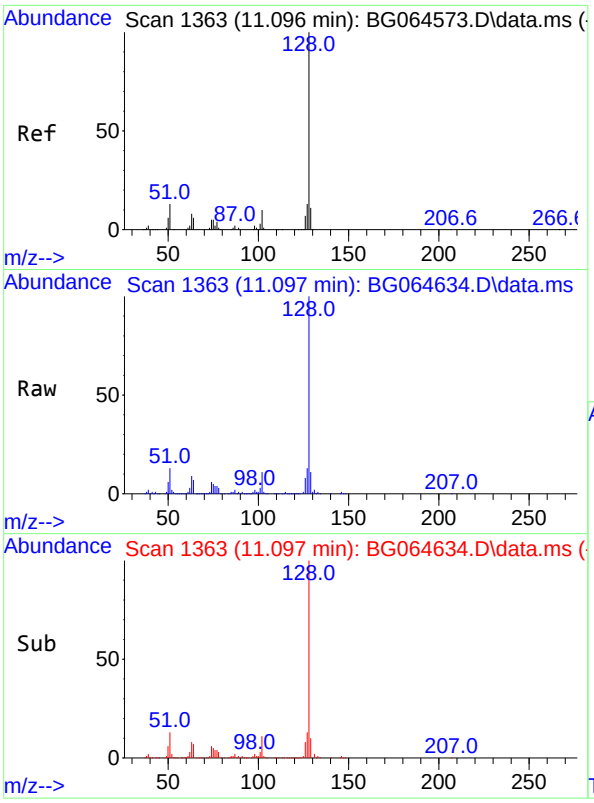
#27
2,4-Dimethylphenol
Concen: 8.640 ng
RT: 10.221 min Scan# 1214
Delta R.T. 0.027 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Tgt Ion:122 Resp: 16239

Ion	Ratio	Lower	Upper
122	100		
107	110.4	103.0	154.4
121	39.4	47.8	71.8#



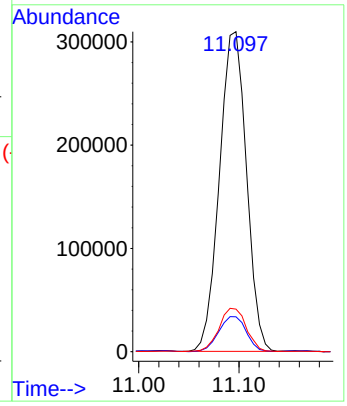
Instrument :
BNA_G
ClientSampleId :
MW-12

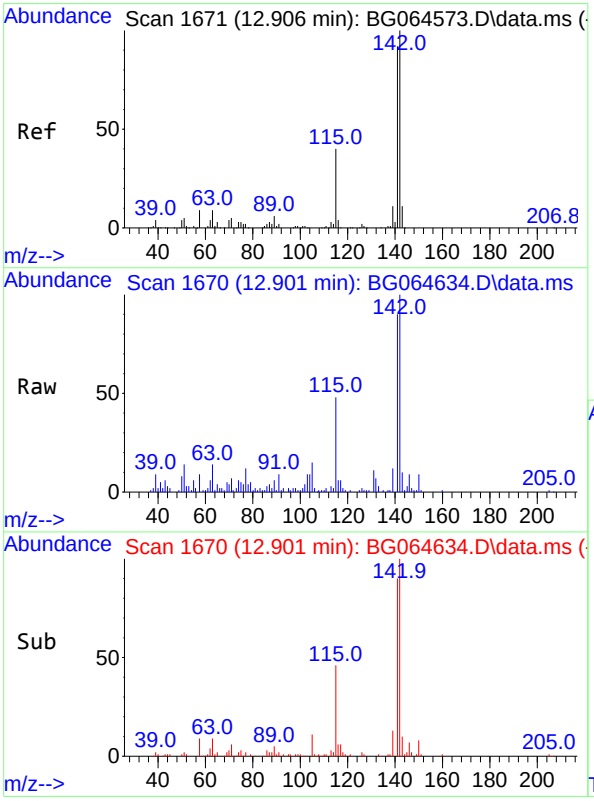


#31
Naphthalene
Concen: 84.119 ng
RT: 11.097 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Tgt Ion:128 Resp: 578269

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.3	10.6	15.8

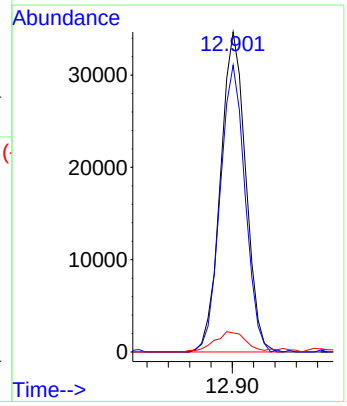


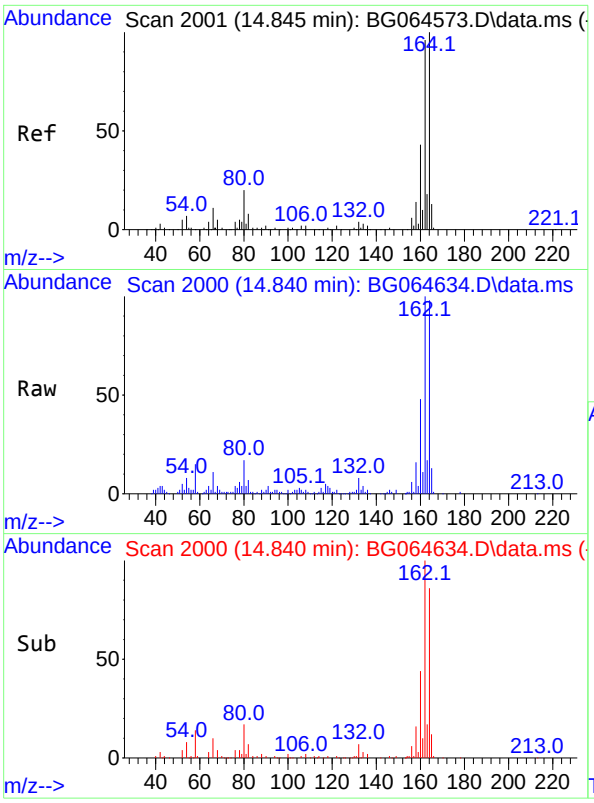


#38
1-Methylnaphthalene
Concen: 11.429 ng
RT: 12.901 min Scan# 1670
Delta R.T. -0.008 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Tgt Ion:142 Resp: 56757

Ion	Ratio	Lower	Upper
142	100		
141	89.6	73.3	109.9
116	5.9	3.1	4.7#



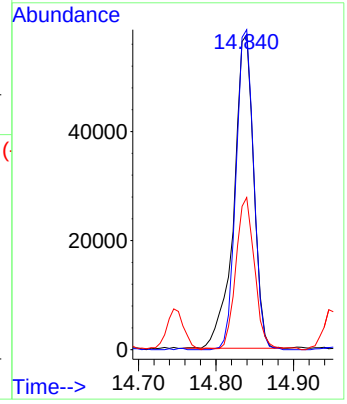


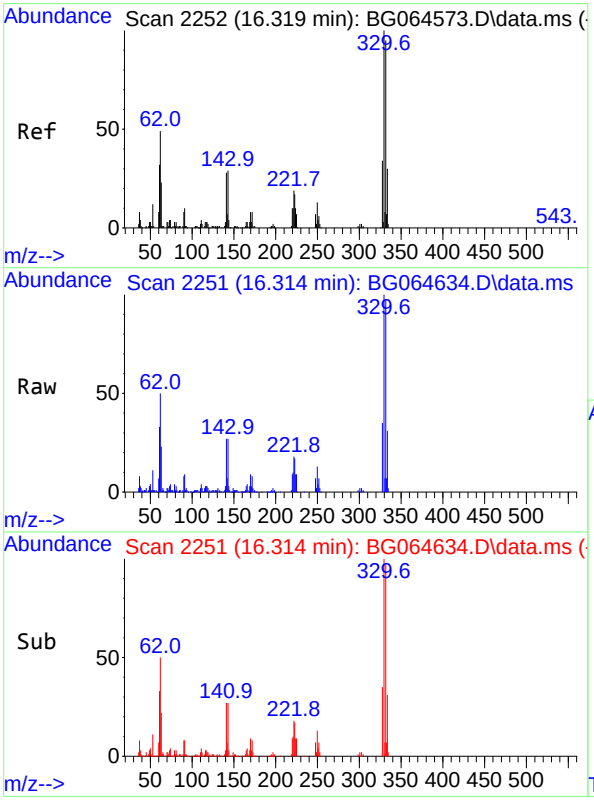
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.840 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Instrument :
BNA_G
ClientSampleId :
MW-12

Tgt Ion:164 Resp: 102275

Ion	Ratio	Lower	Upper
164	100		
162	101.6	77.0	115.6
160	48.3	34.4	51.6

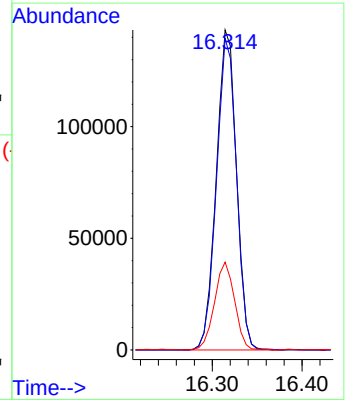


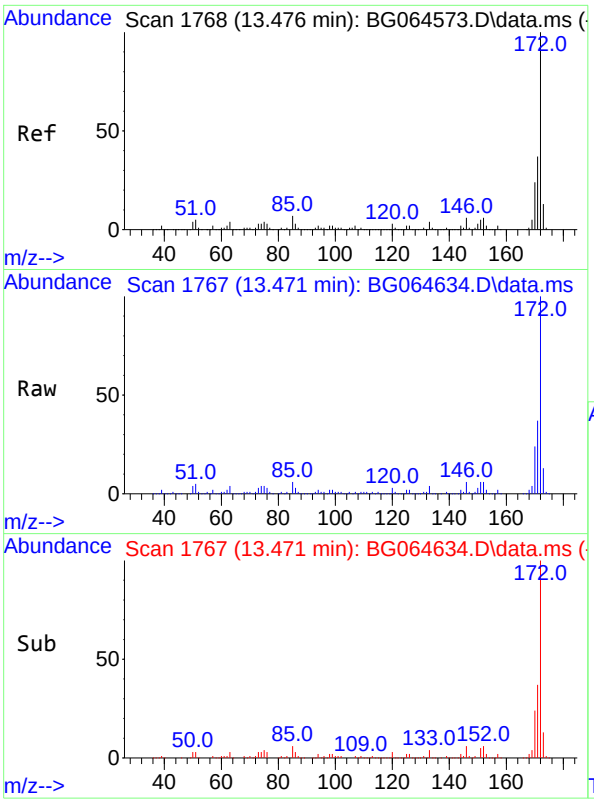


#42
2,4,6-Tribromophenol
Concen: 151.374 ng
RT: 16.314 min Scan# 2251
Delta R.T. -0.009 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Tgt Ion:330 Resp: 223448

Ion	Ratio	Lower	Upper
330	100		
332	96.3	78.0	117.0
141	27.4	21.8	32.6



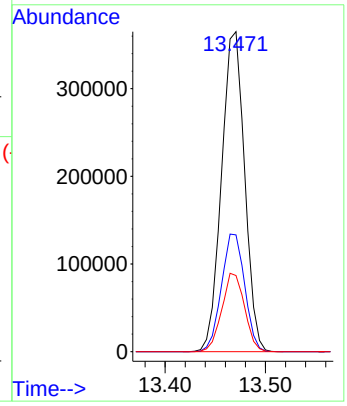


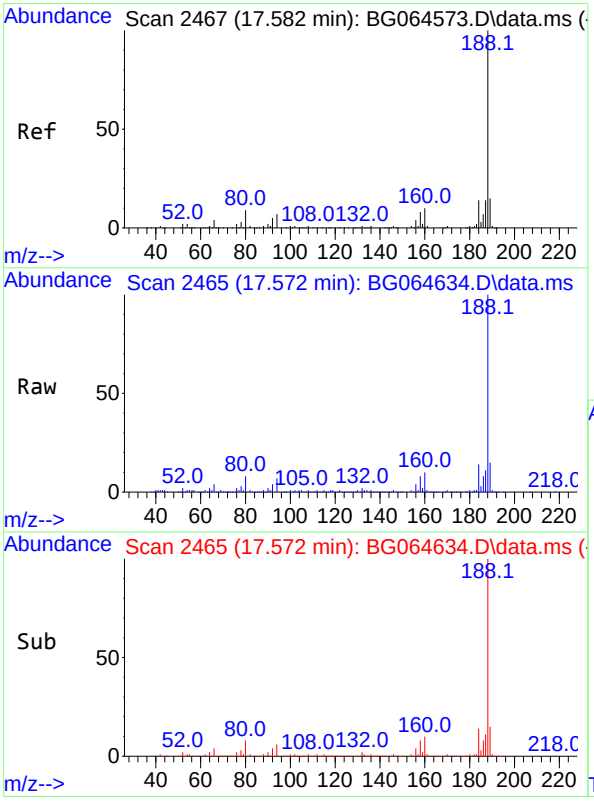
#45
2-Fluorobiphenyl
Concen: 86.319 ng
RT: 13.471 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Instrument :
BNA_G
ClientSampleId :
MW-12

Tgt Ion:172 Resp: 582439

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	23.8	19.1	28.7

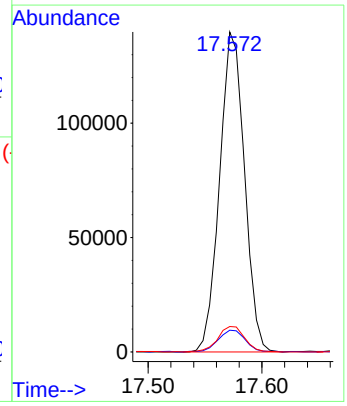


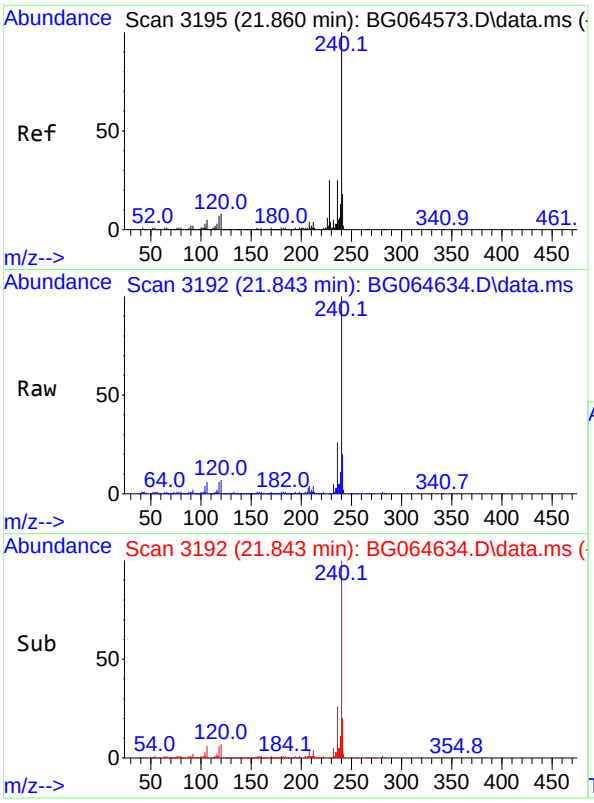


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.572 min Scan# 2465
Delta R.T. -0.008 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Tgt Ion:188 Resp: 212573

Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.7	8.5
80	8.0	6.8	10.2



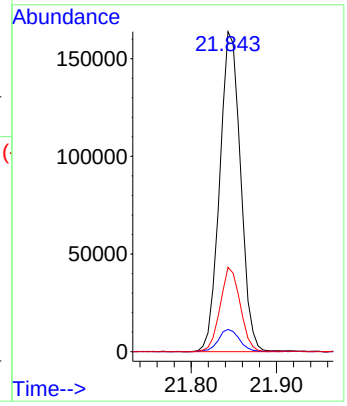


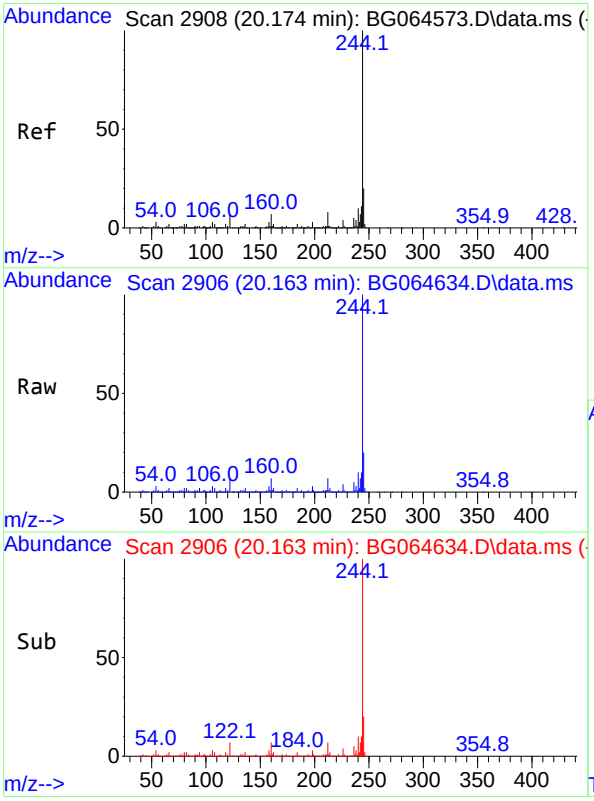
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.843 min Scan# 3
Delta R.T. -0.020 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Instrument :
BNA_G
ClientSampleId :
MW-12

Tgt Ion:240 Resp: 278839

Ion	Ratio	Lower	Upper
240	100		
120	6.9	6.5	9.7
236	26.3	20.2	30.2

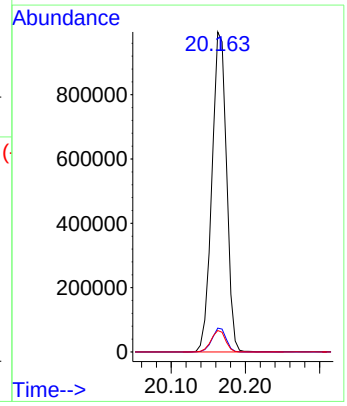


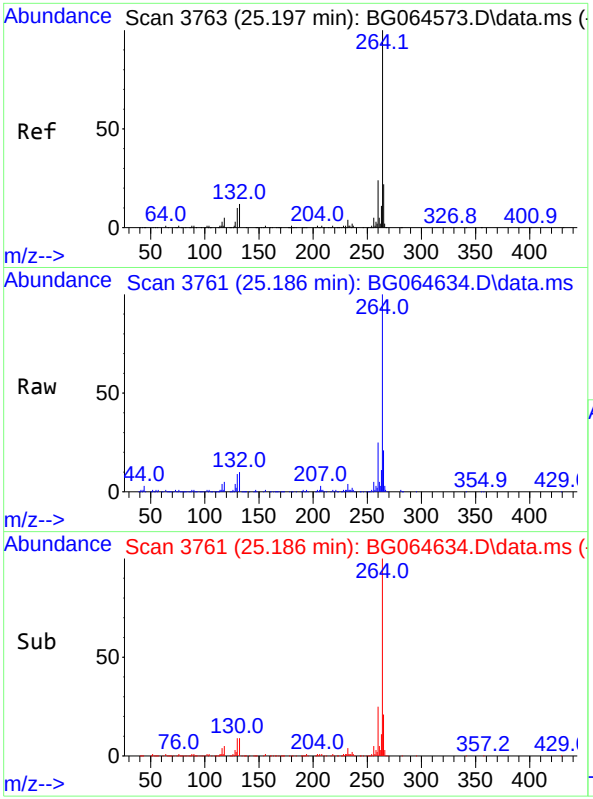


#79
Terphenyl-d14
Concen: 92.344 ng
RT: 20.163 min Scan# 2906
Delta R.T. -0.014 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Tgt Ion:244 Resp: 1364433

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.1	9.1
122	6.7	5.6	8.4



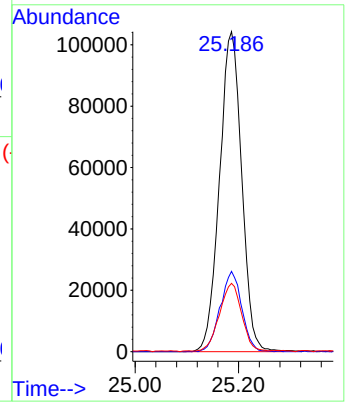


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.186 min Scan# 3
Delta R.T. -0.014 min
Lab File: BG064634.D
Acq: 29 Oct 2025 22:21

Instrument :
BNA_G
ClientSampleId :
MW-12

Tgt Ion:264 Resp: 309539

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.0	28.4
265	21.4	17.6	26.4



CALIBRATION SUMMARY

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: LIRO01

Lab Code: ACE SDG No.: Q3468

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
Phenol-d6		1.469	1.654	1.566	1.771	1.864	1.635	8.6
Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.403	0.333	17.0
2-Fluorobiphenyl		1.310	1.389	1.306	1.384	1.384	1.319	5.2
Acenaphthylene		1.667	1.726	1.647	1.786	1.827	1.693	5.3
Acenaphthene		1.126	1.178	1.115	1.223	1.261	1.157	5.6
Fluorene		1.471	1.559	1.426	1.531	1.549	1.460	6.4
2,4,6-Tribromophenol		0.221	0.266	0.272	0.318	0.346	0.289	14.0
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
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
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
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
Dibenzo(a,h)anthracene		1.120	1.223	1.158	1.268	1.324	1.195	6.5
Benzo(g,h,i)perylene		1.080	1.162	1.089	1.213	1.280	1.142	6.9

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 : Mon Nov 03 18:16:26 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...		1.307	1.409	1.292	1.383	1.273	1.443	1.198	1.329	6.47
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		1.103	1.225	1.178	1.273	1.159	1.345	1.120	1.201	7.22
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	0.297	0.343	0.290	0.297	11.93
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			0.142	0.164	0.223	0.215	0.260	0.237	0.207	21.74
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...		0.798	0.849	0.776	0.853	0.752	0.878	0.735	0.806	6.85

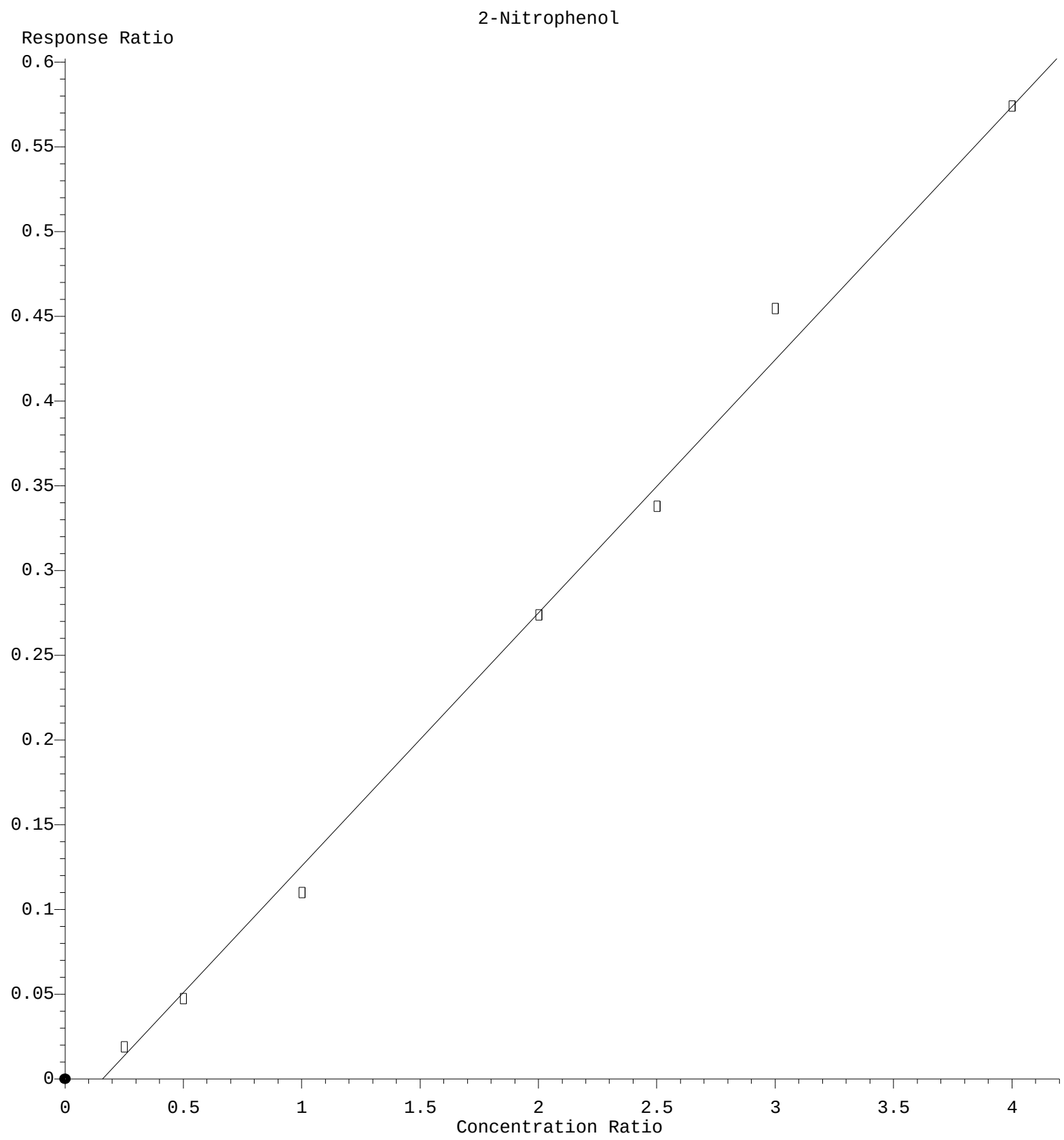
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

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

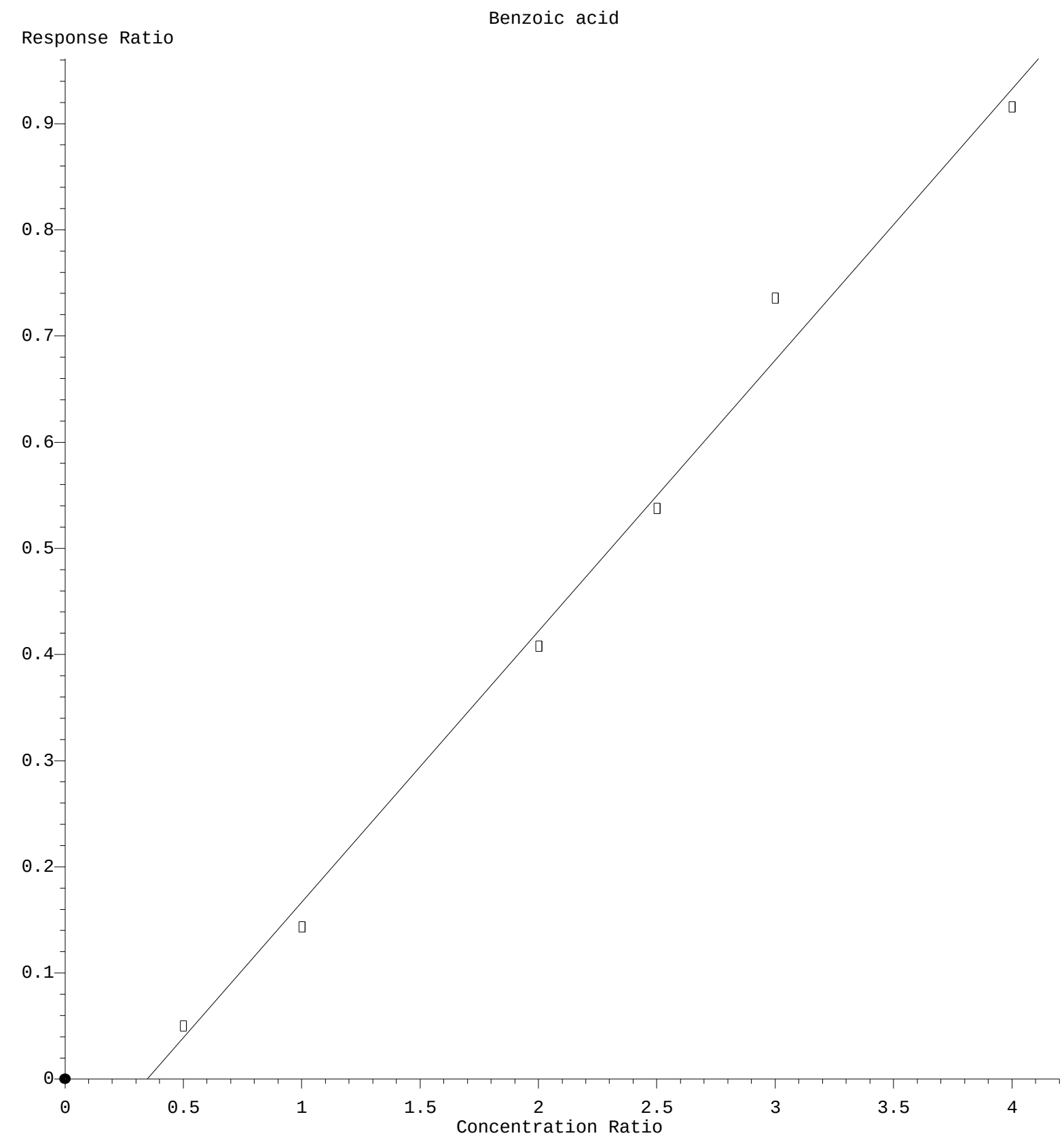
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

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...	1.080	1.162	1.089	1.213	1.078	1.280	1.092	1.142	6.95

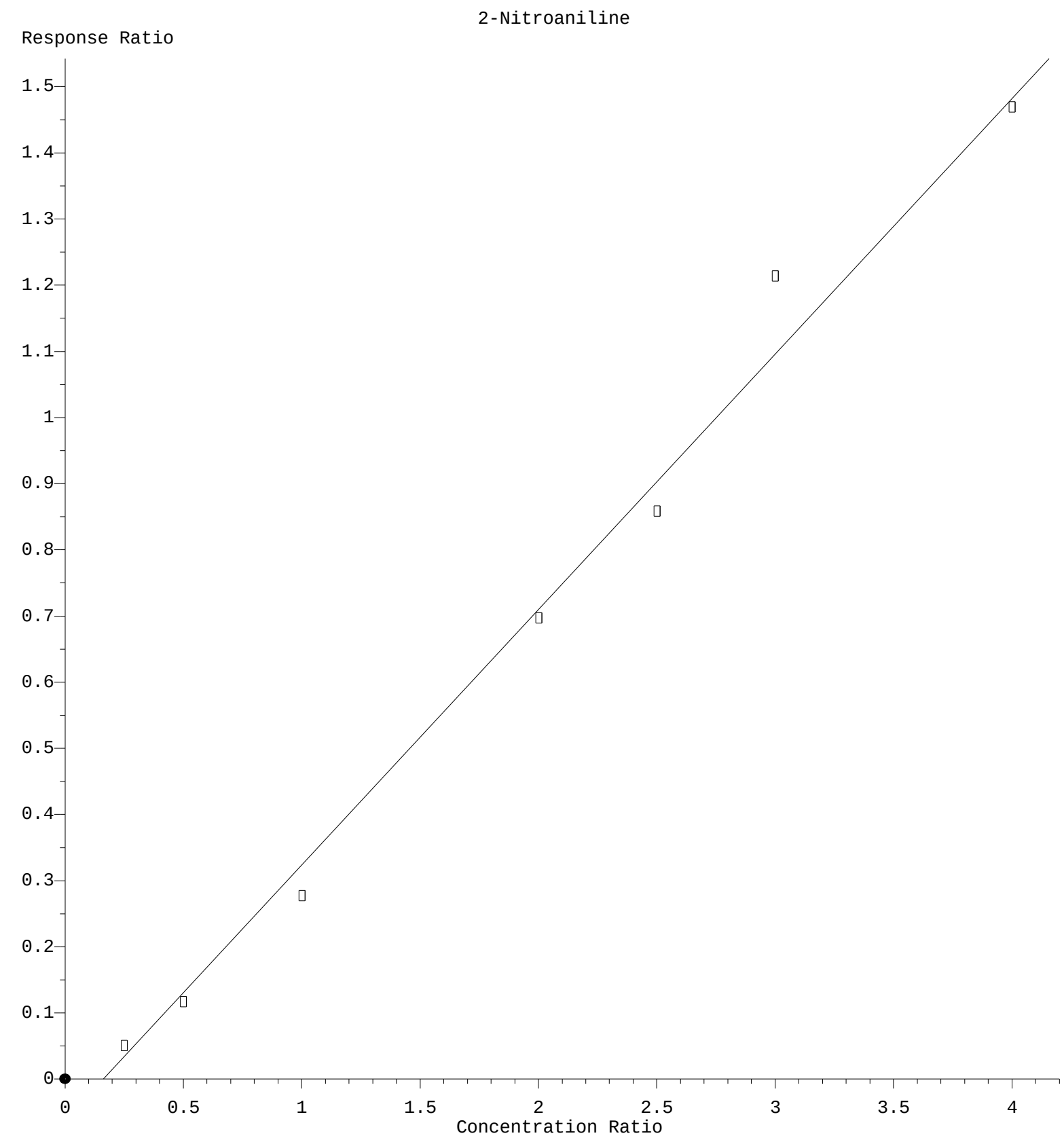
(#) = Out of Range



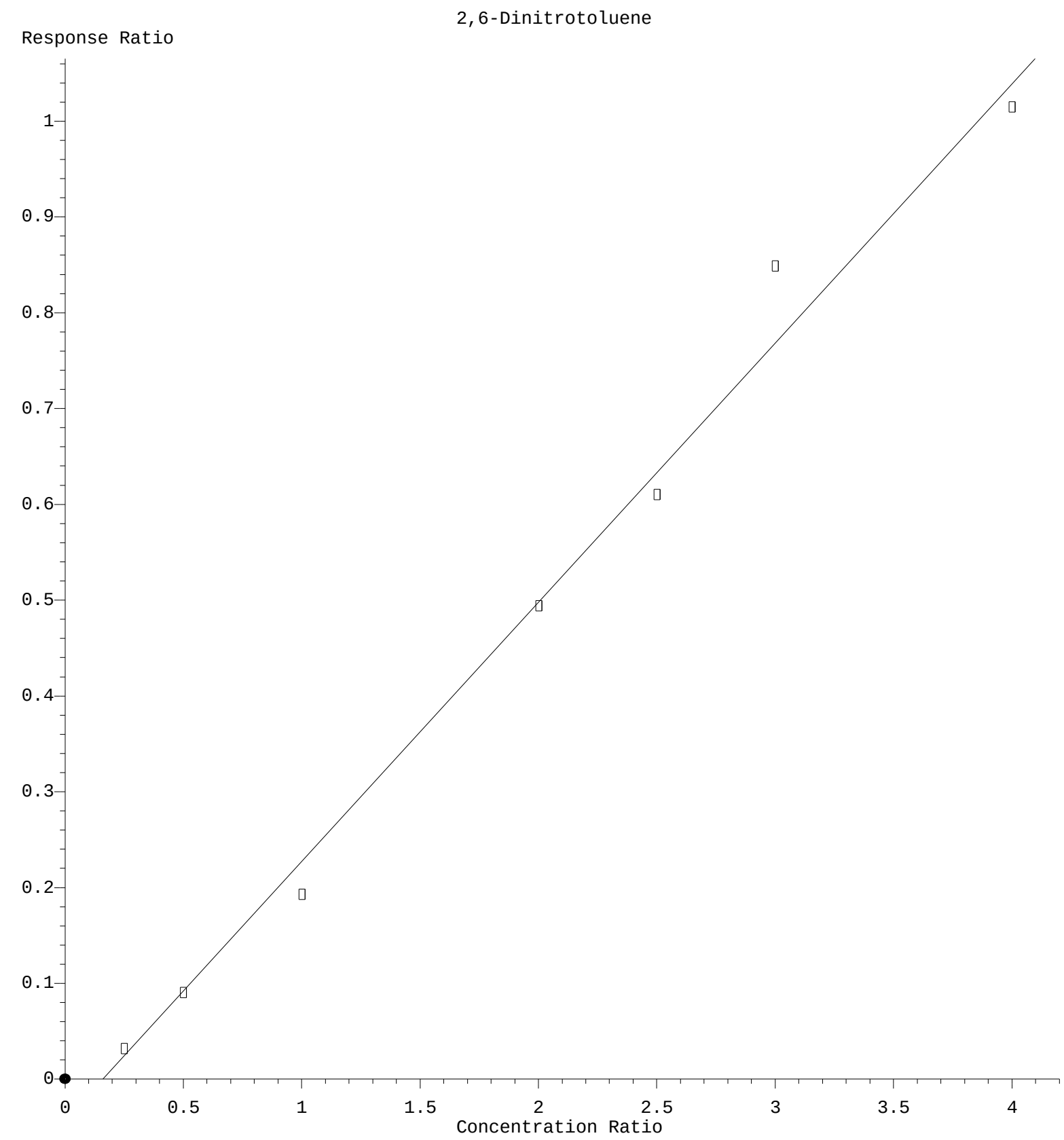
Response = 1.495e-001 * Amt - 2.340e-002
Coef of Det (r^2) = 0.995585 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



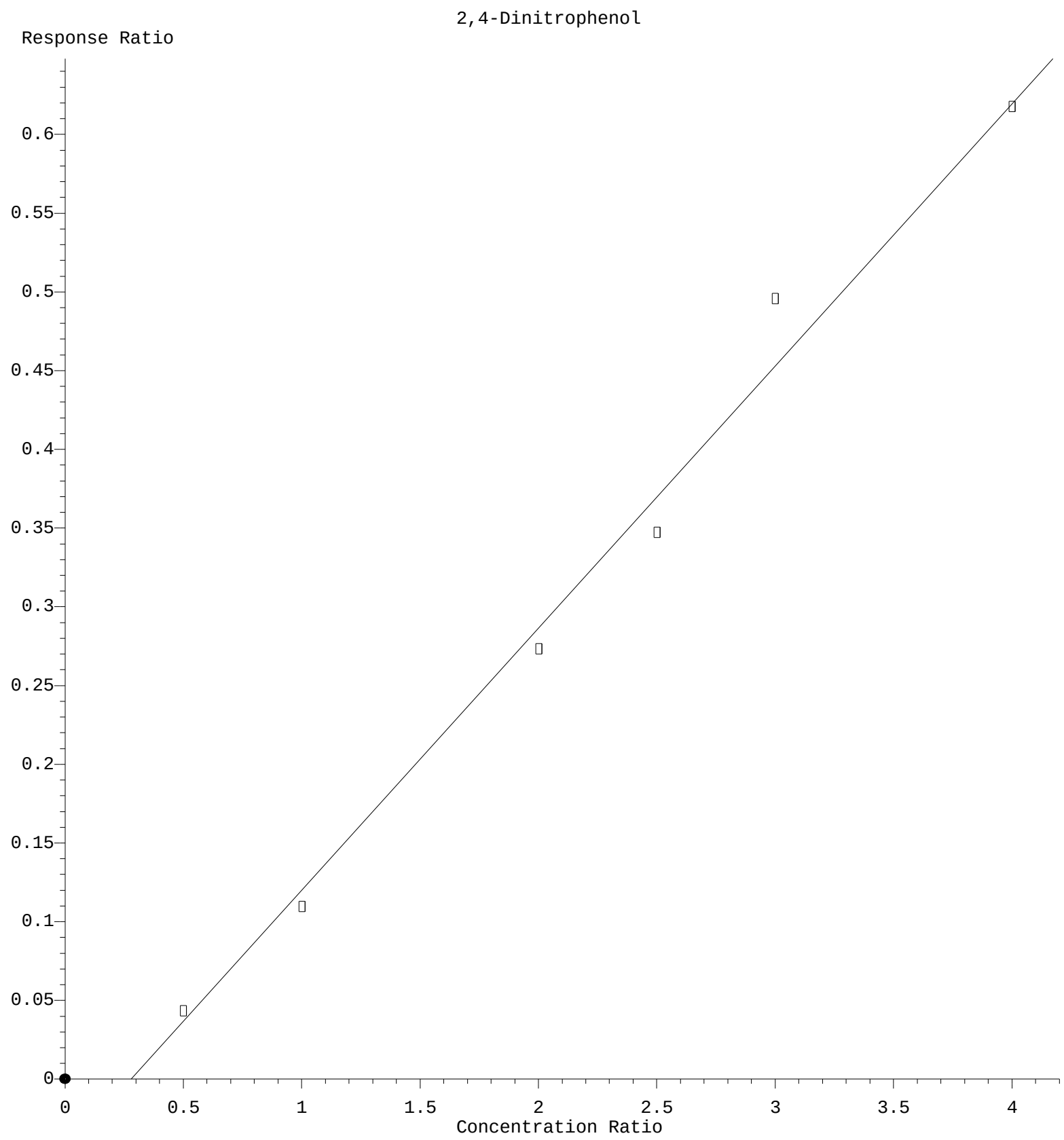
Response = 2.554e-001 * Amt - 8.844e-002
Coef of Det (r^2) = 0.993384 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



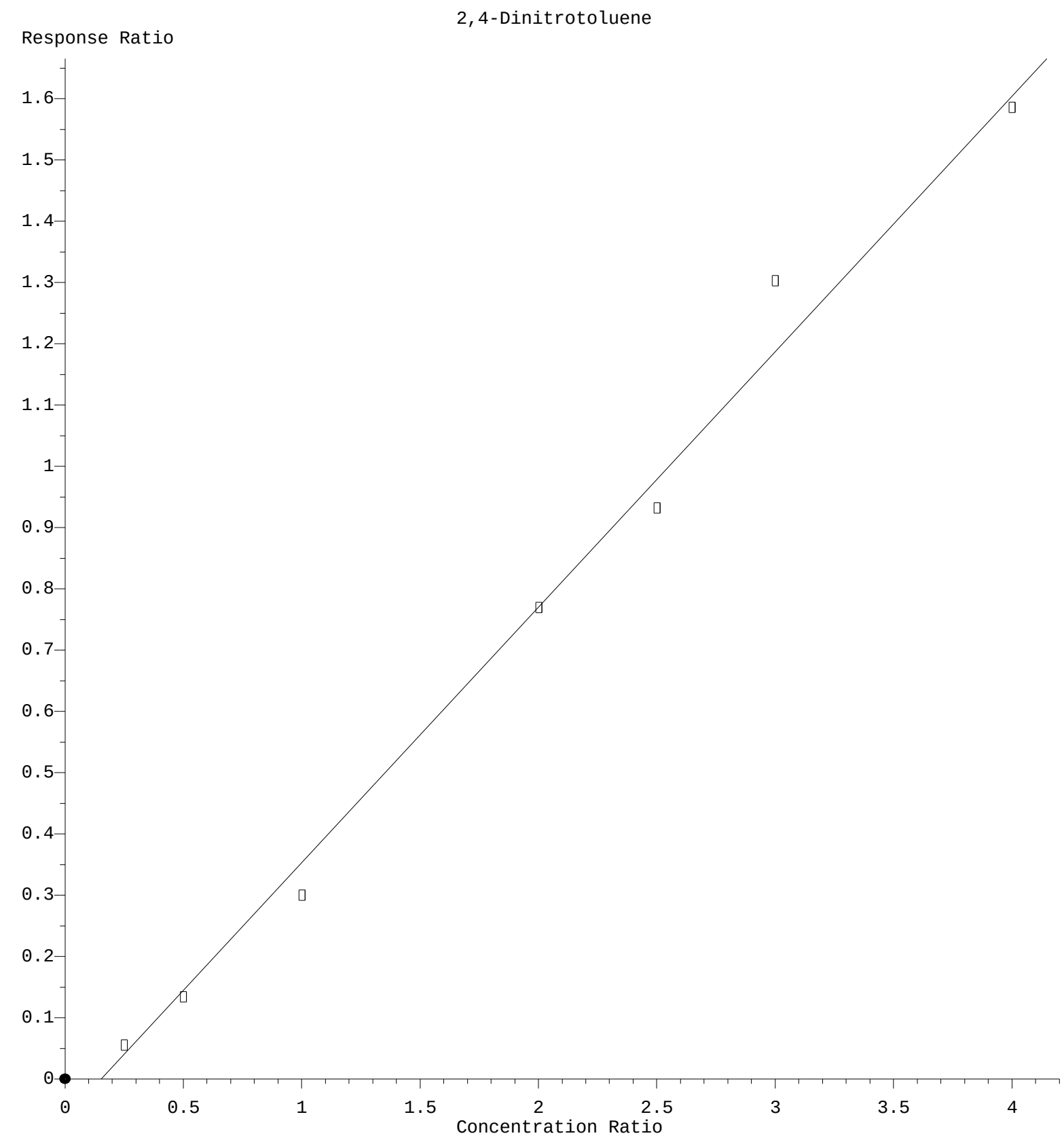
Response = 3.863e-001 * Amt - 6.228e-002
Coef of Det (r^2) = 0.991893 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



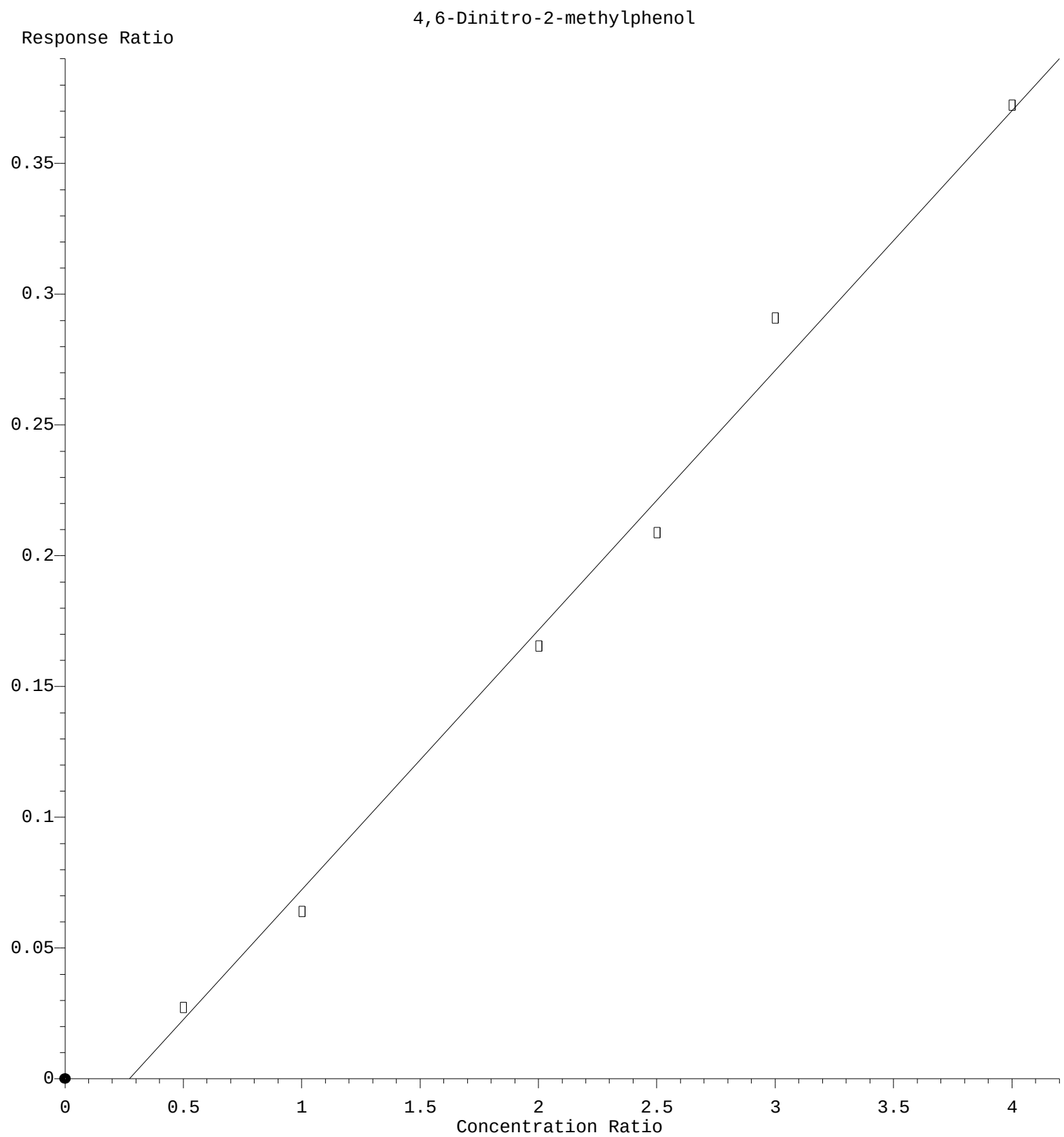
Response = 2.705e-001 * Amt - 4.319e-002
Coef of Det (r^2) = 0.992850 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



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: Nov 03 17:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 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

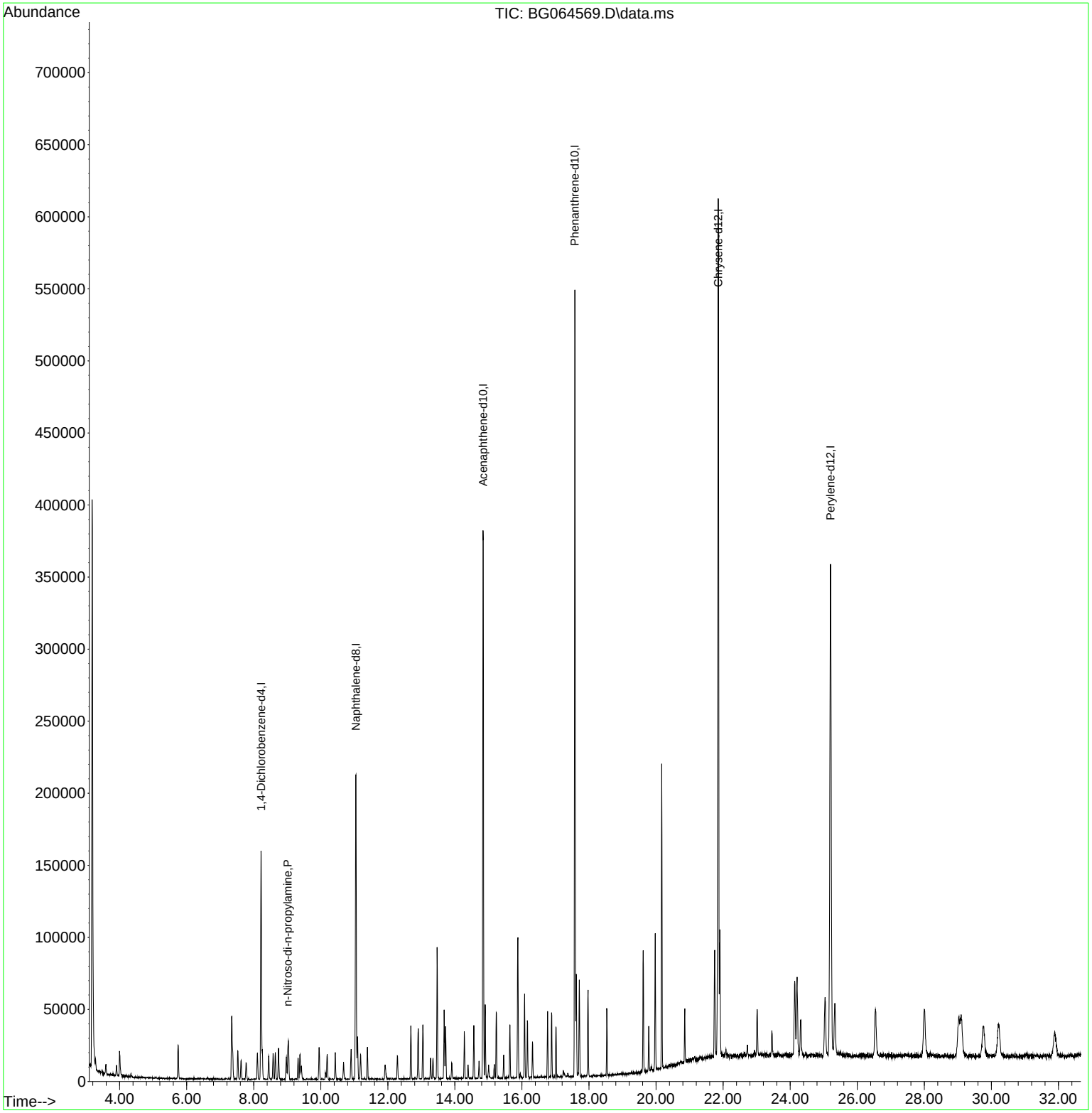
(#) = qualifier out of range (m) = manual integration (+) = signals summed

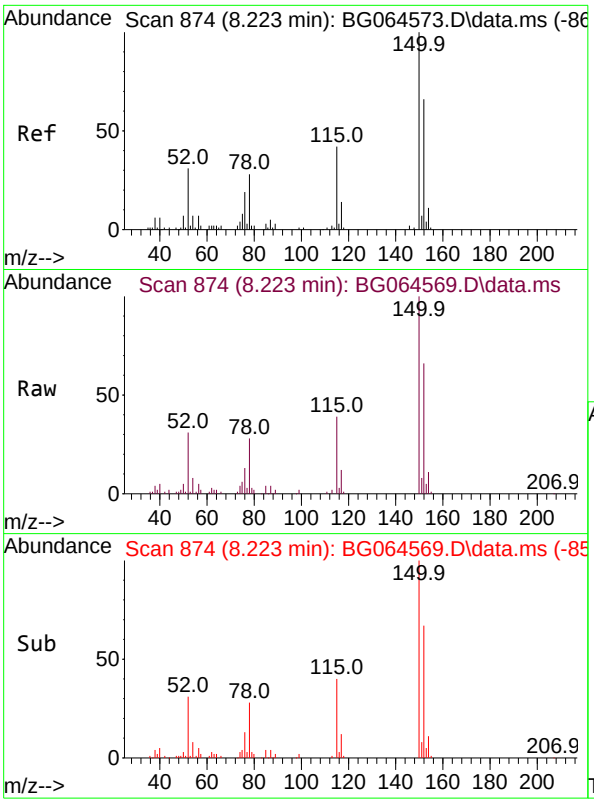
ICAL Form

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: Nov 03 17:57:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration



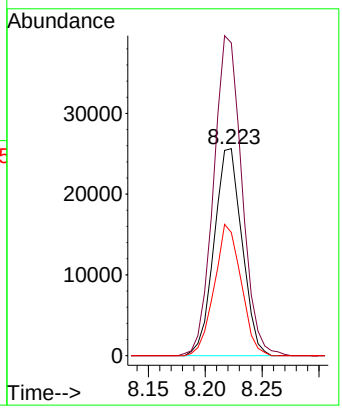


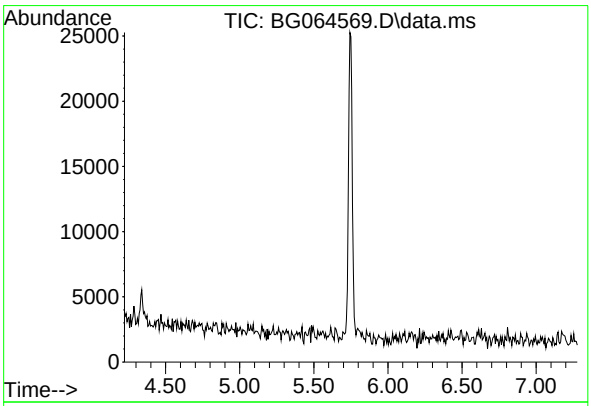
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

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



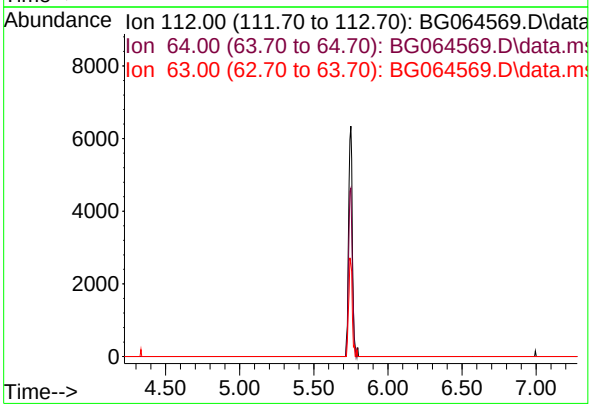


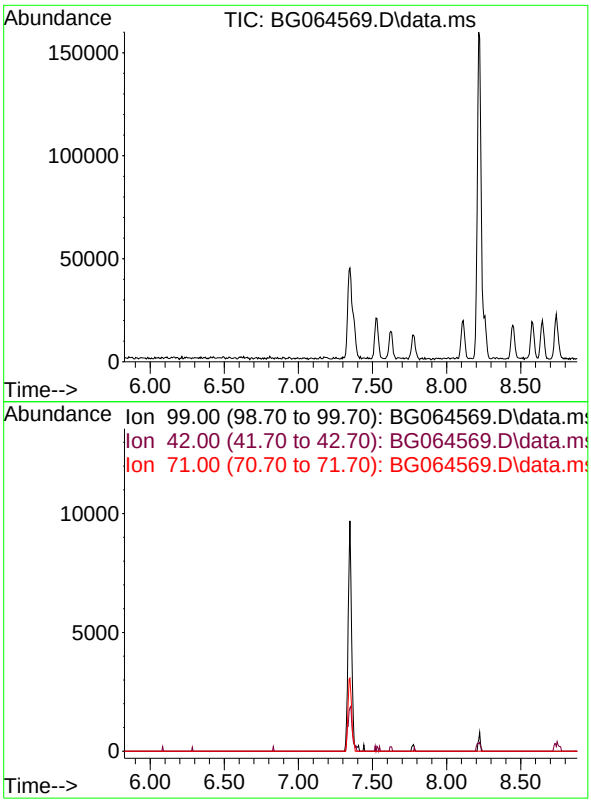
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.75 min

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

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	75.9
63	41.7





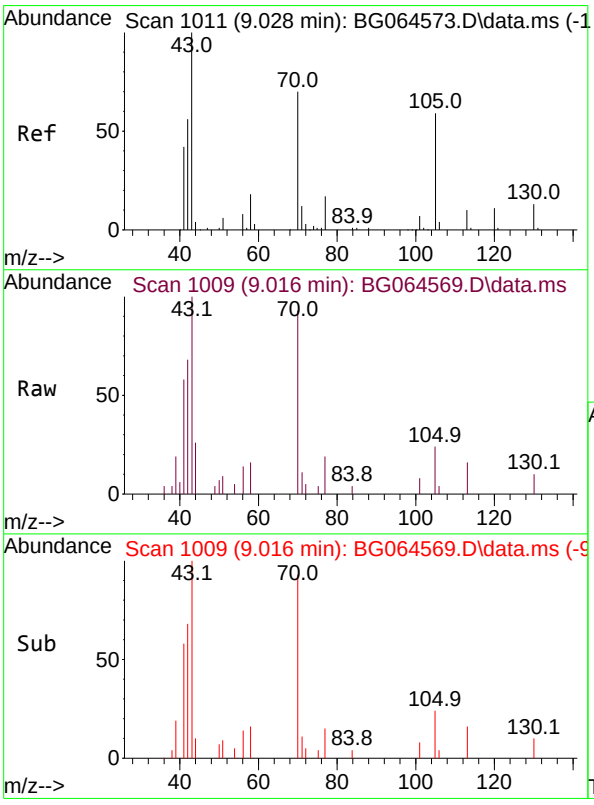
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.35 min

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

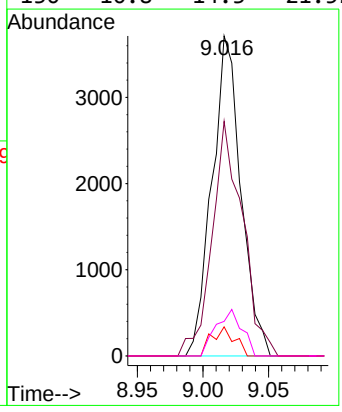
Sig	Exp Ratio
99	100
42	22.9
71	35.8

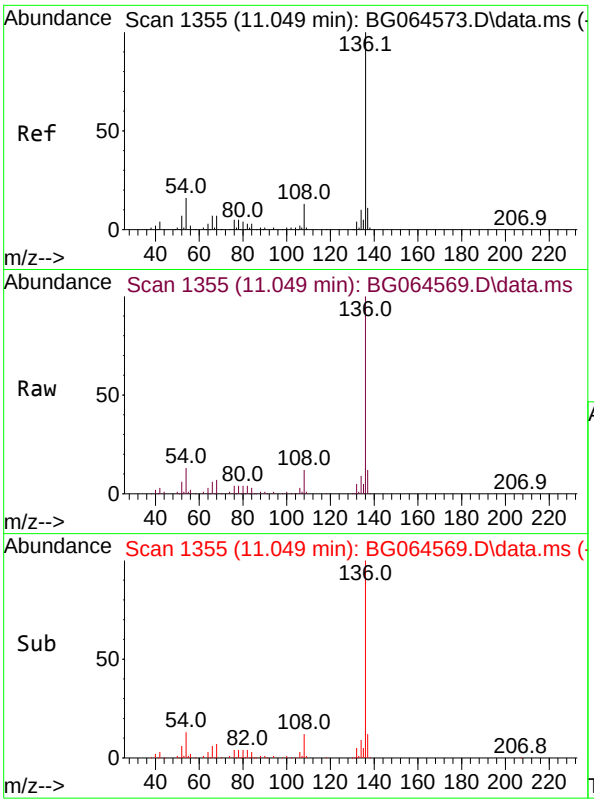


#19
n-Nitroso-di-n-propylamine
Concen: 2.310 ng
RT: 9.016 min Scan# 1009
Delta R.T. -0.012 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

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#



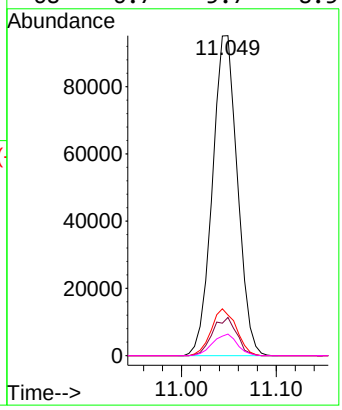


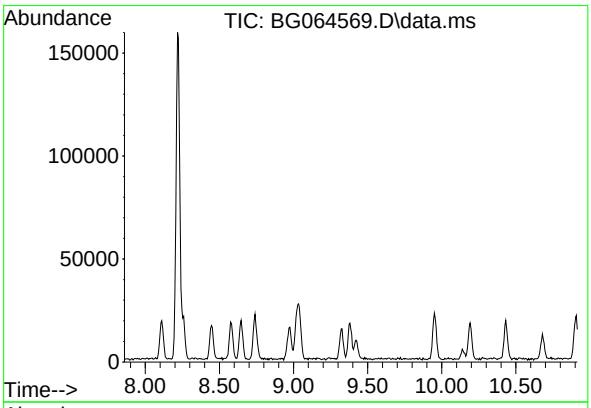
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

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



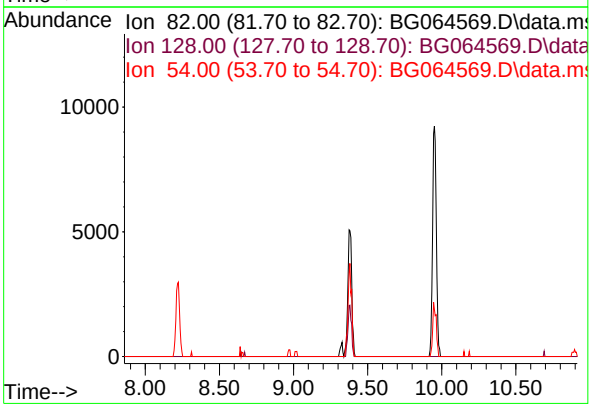


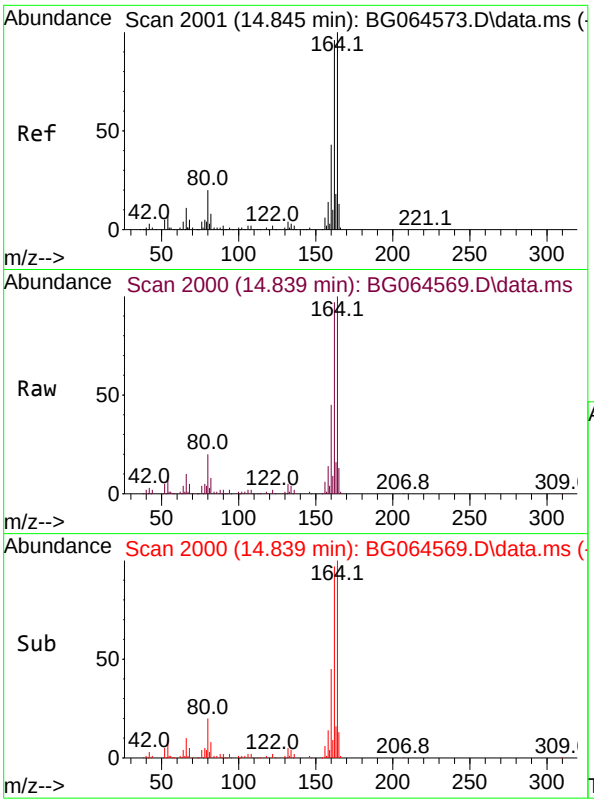
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.39 min

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

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	39.1
54	70.7



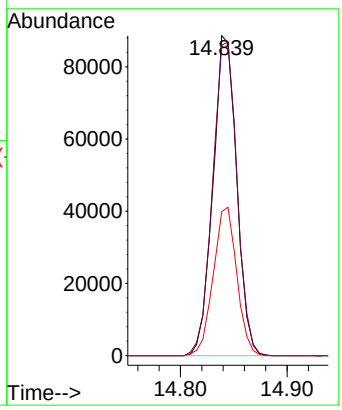


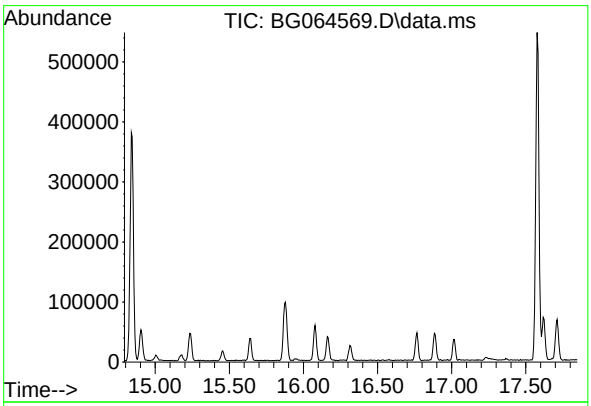
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

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



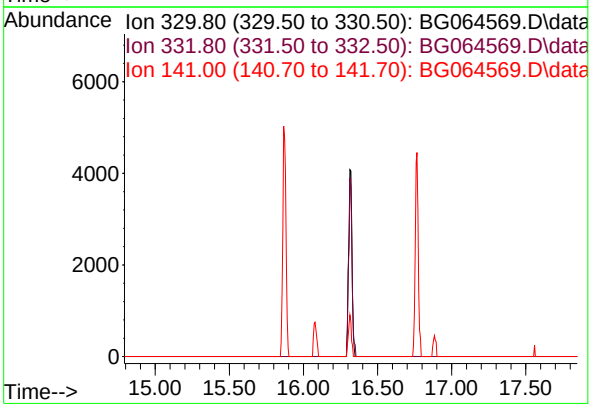


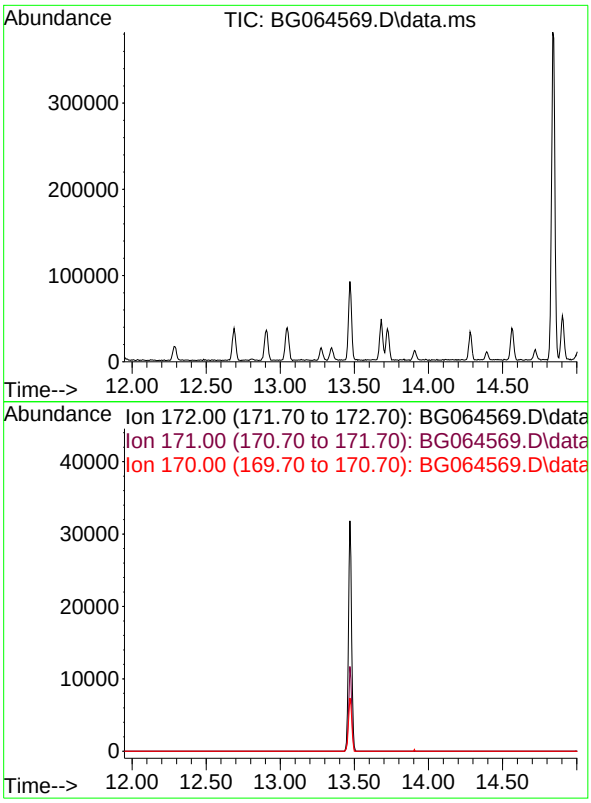
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 16.32 min

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

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.5
141	27.2





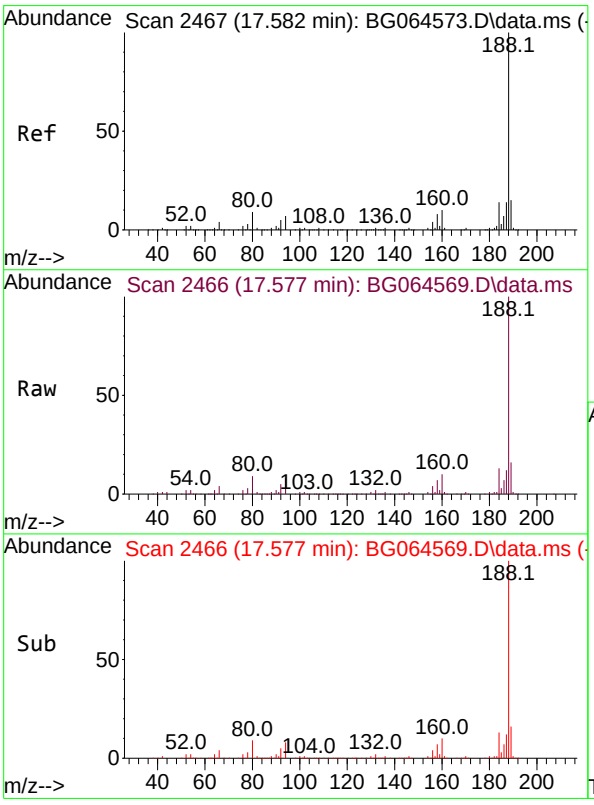
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.48 min

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

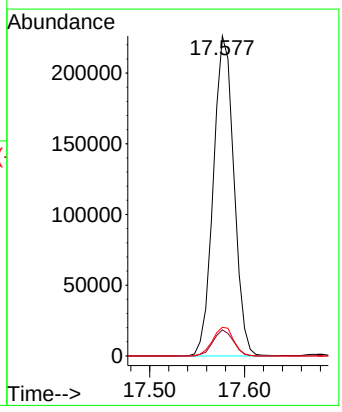
Sig	Exp Ratio
172	100
171	36.7
170	23.9

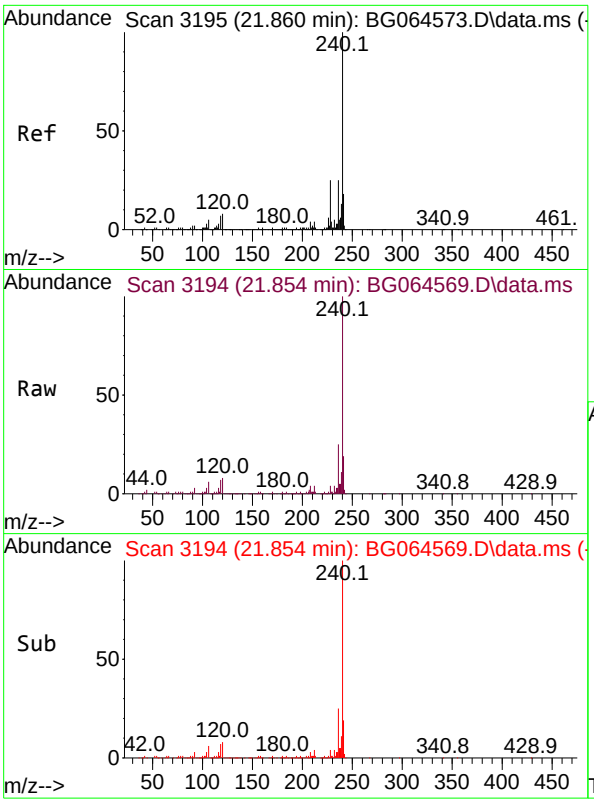


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.006 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

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



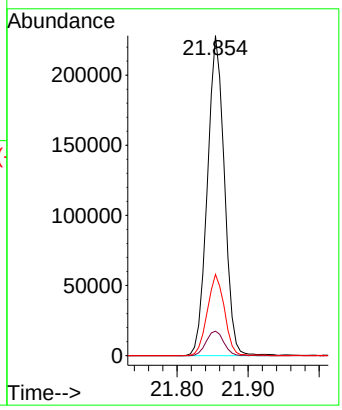


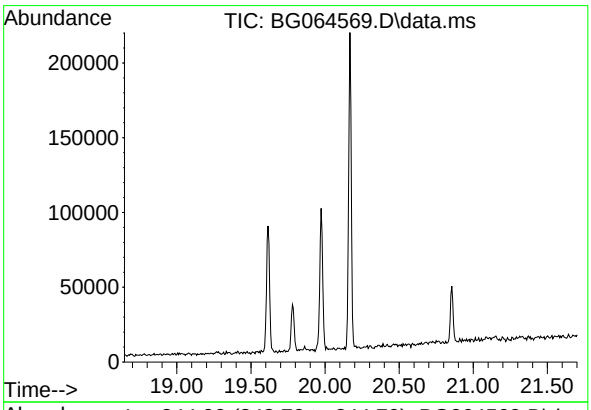
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

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



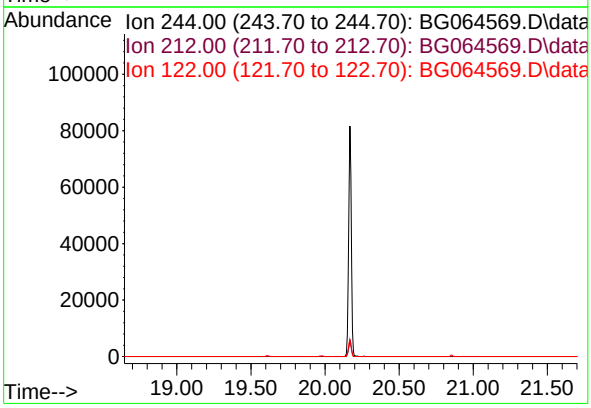


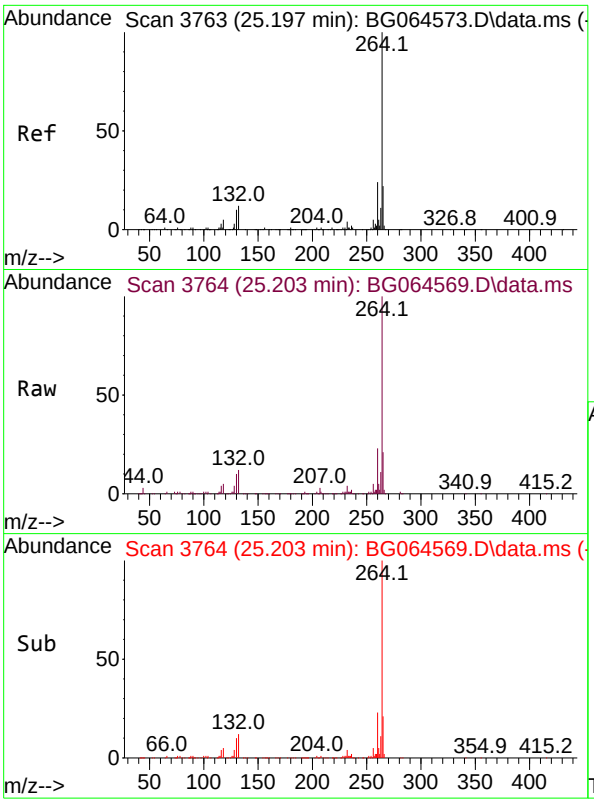
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 20.17 min

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

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.6
122	7.0



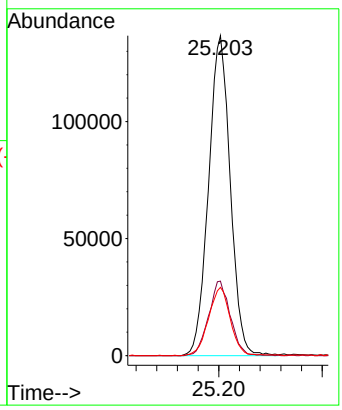


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.203 min Scan# 3
Delta R.T. 0.006 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 17:58:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

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	7.619	93	13341	4.915	ng		95
12) 1,3-Dichlorobenzene	8.113	146	14650	4.998	ng		93
13) 1,4-Dichlorobenzene	8.260	146	14610m	4.902	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	8.648	107	11259	4.593	ng		97
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	3.969	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	33565m	4.951	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

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 17:58:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

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	30.216	276	108407	4.731	ng		97

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

ICAL Form

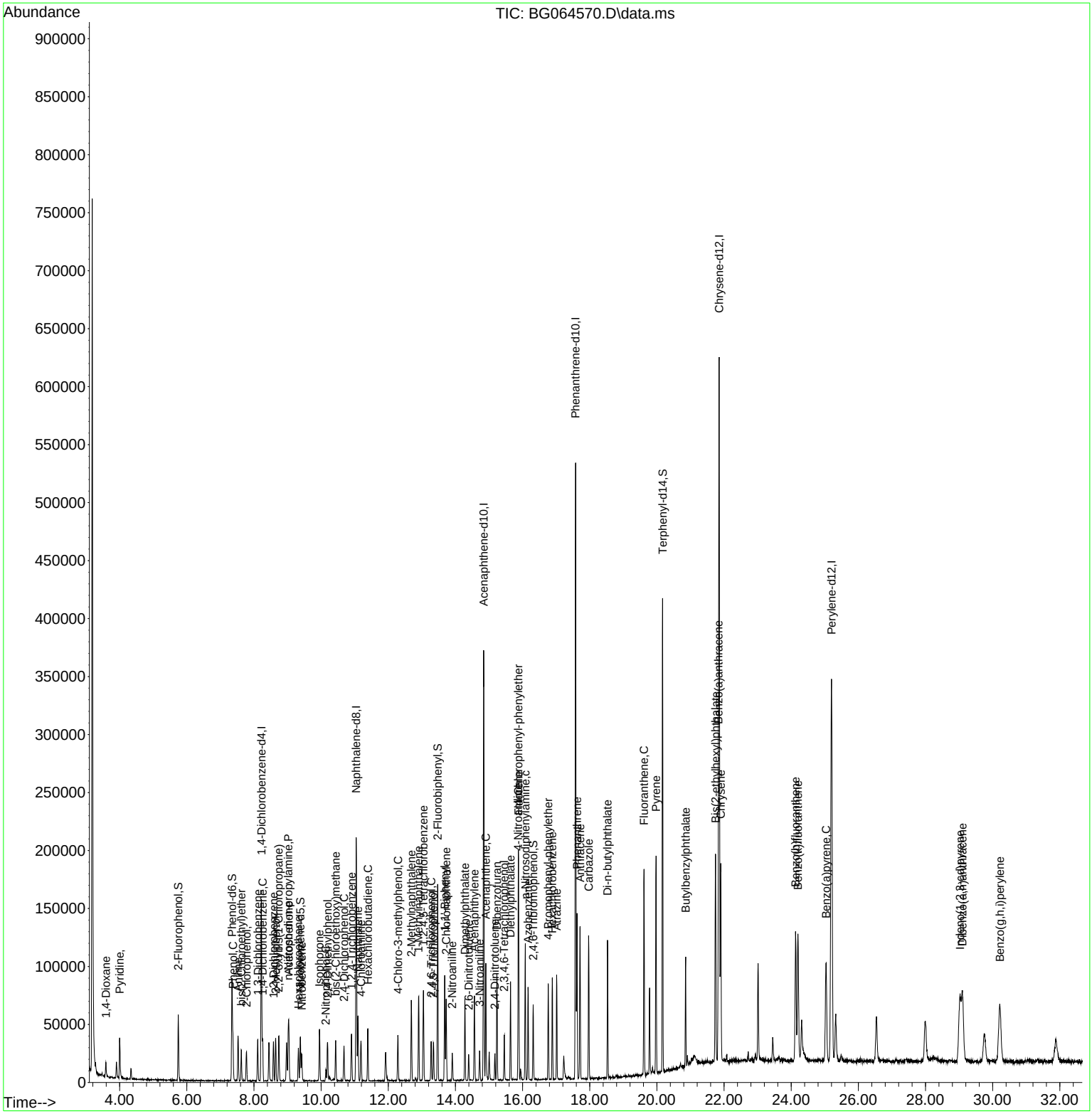
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064570.D
Acq On : 24 Oct 2025 9:41
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

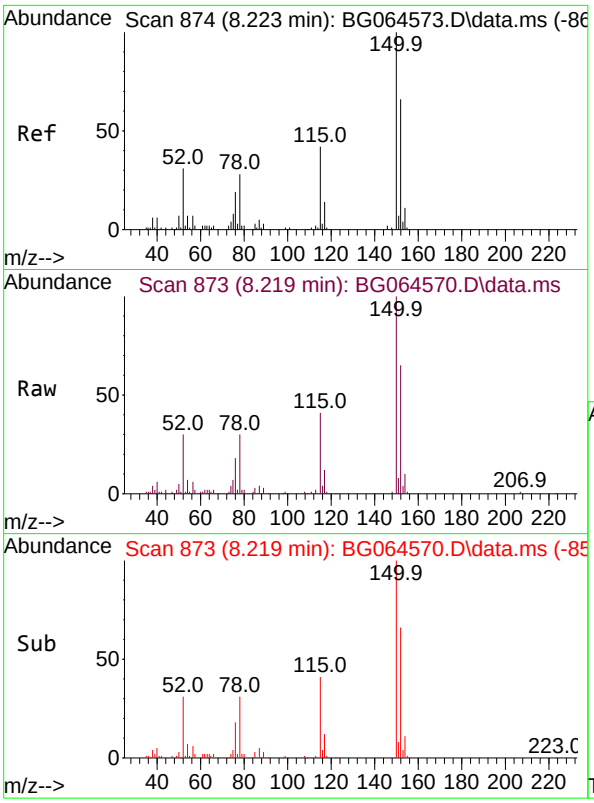
Quant Time: Nov 03 17:58:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

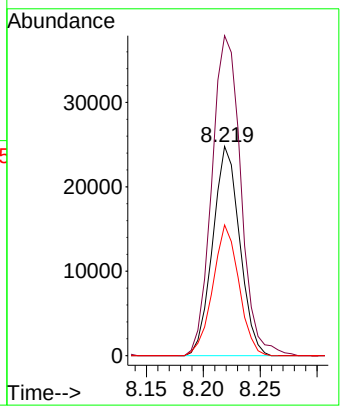




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:152 Resp: 4083

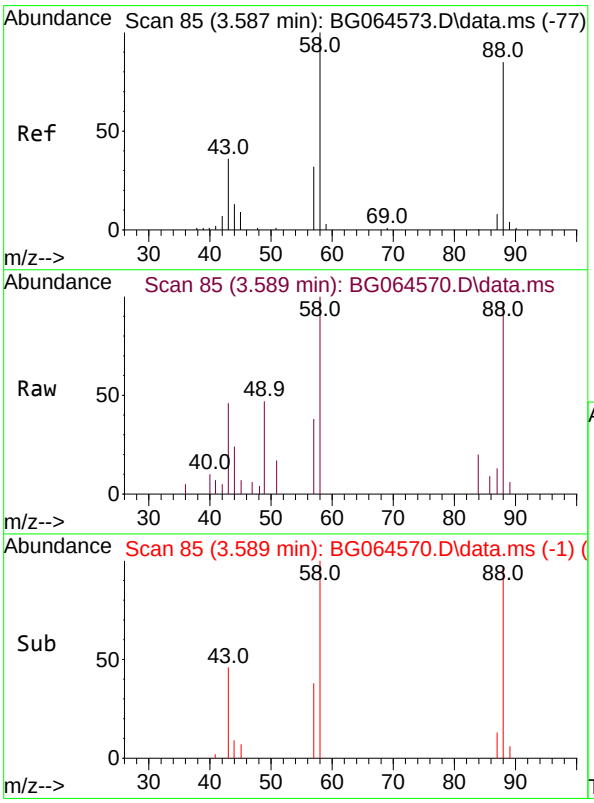
Ion	Ratio	Lower	Upper
152	100		
150	153.0	122.2	183.4
115	62.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

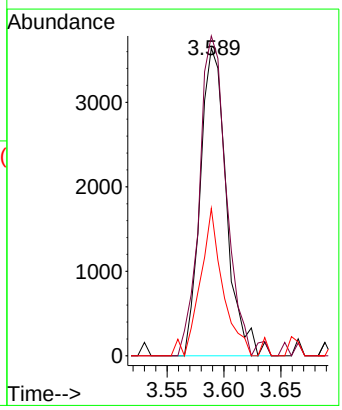
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

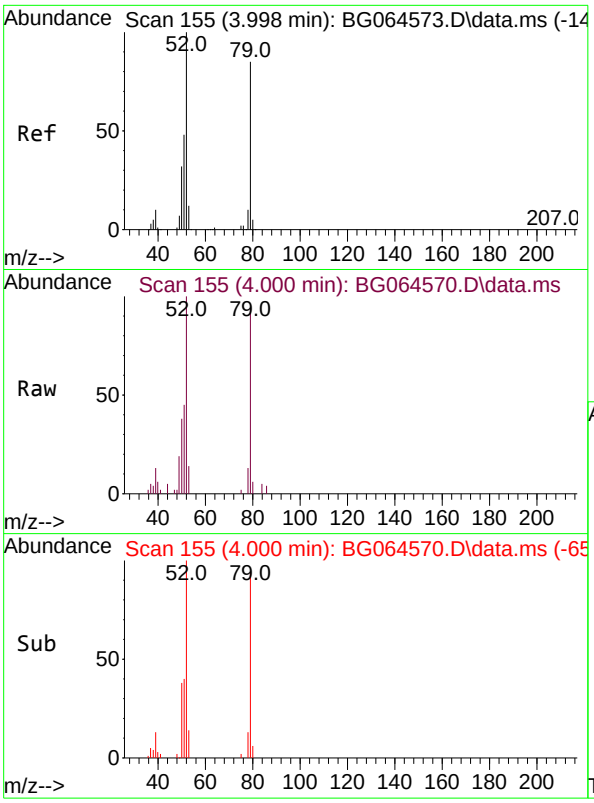


#2
1,4-Dioxane
Concen: 5.406 ng
RT: 3.589 min Scan# 85
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

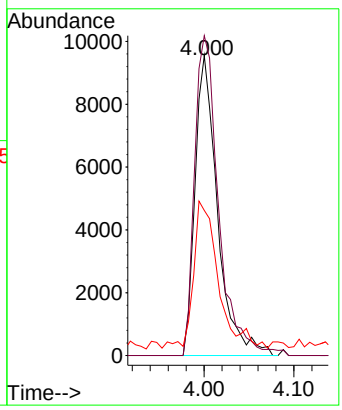




#3
Pyridine
Concen: 5.143 ng
RT: 4.000 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 79 Resp: 1663

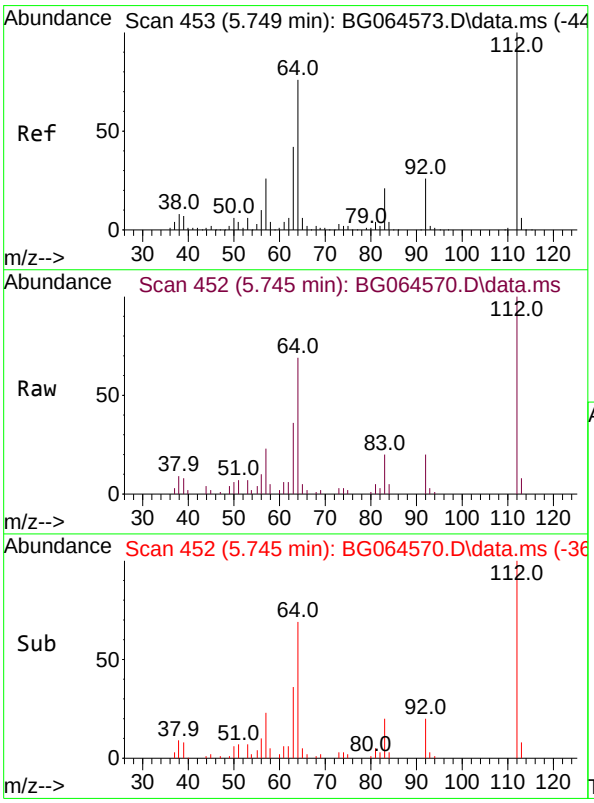
Ion	Ratio	Lower	Upper
79	100		
52	106.6	94.2	141.2
51	48.4	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

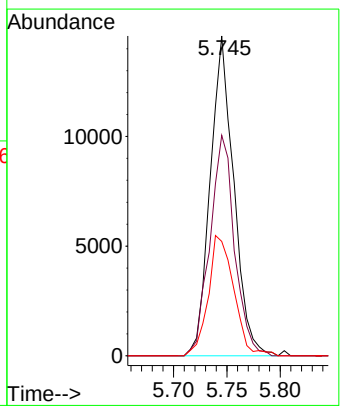
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

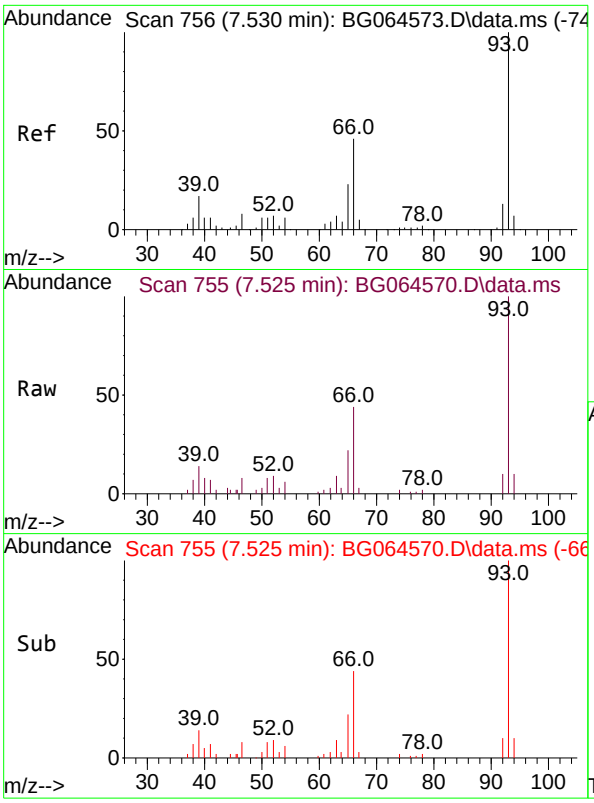


#5
2-Fluorophenol
Concen: 9.216 ng
RT: 5.745 min Scan# 452
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

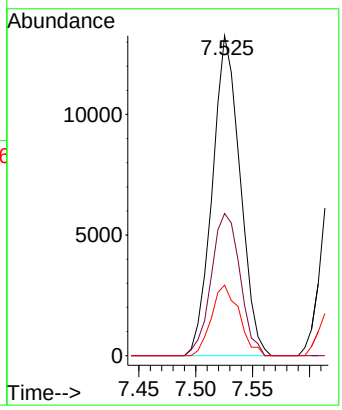




#6
Aniline
Concen: 4.952 ng
RT: 7.525 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 2249

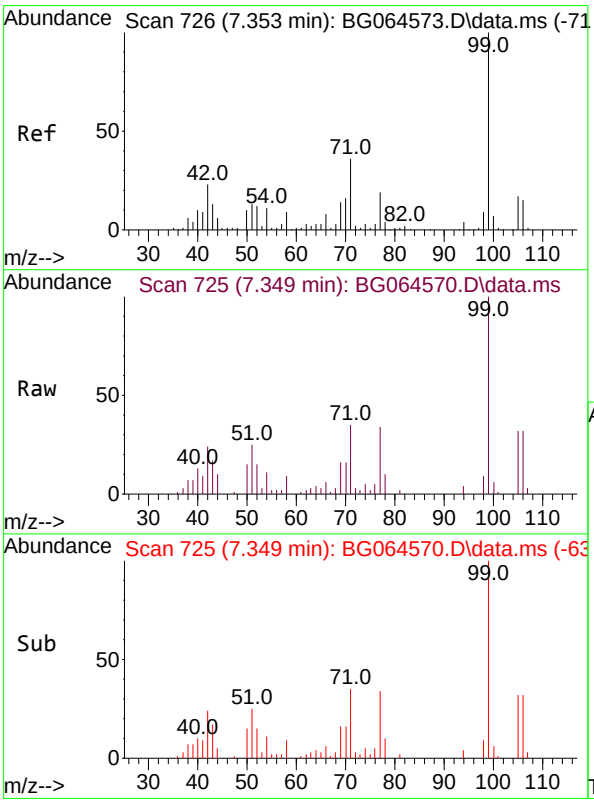
Ion	Ratio	Lower	Upper
93	100		
66	44.4	37.0	55.6
65	22.0	18.3	27.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

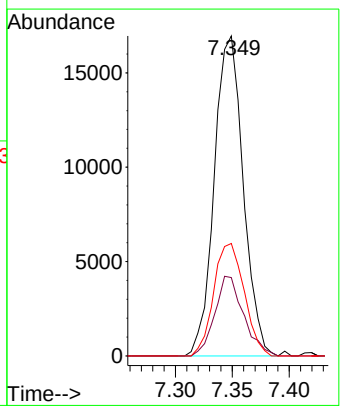
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

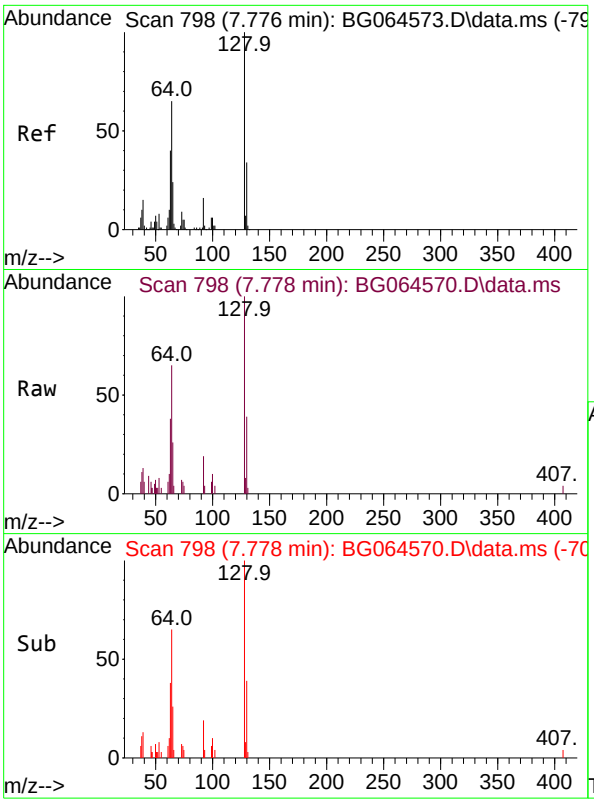


#7
Phenol-d6
Concen: 8.987 ng
RT: 7.349 min Scan# 725
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

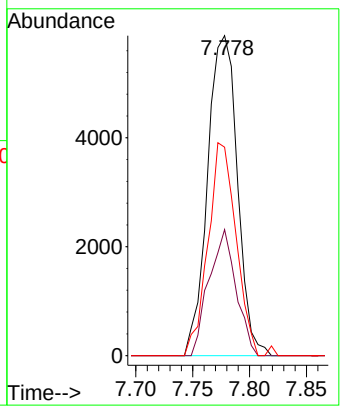




#8
2-Chlorophenol
Concen: 4.214 ng
RT: 7.778 min Scan# 79
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:128 Resp: 1073

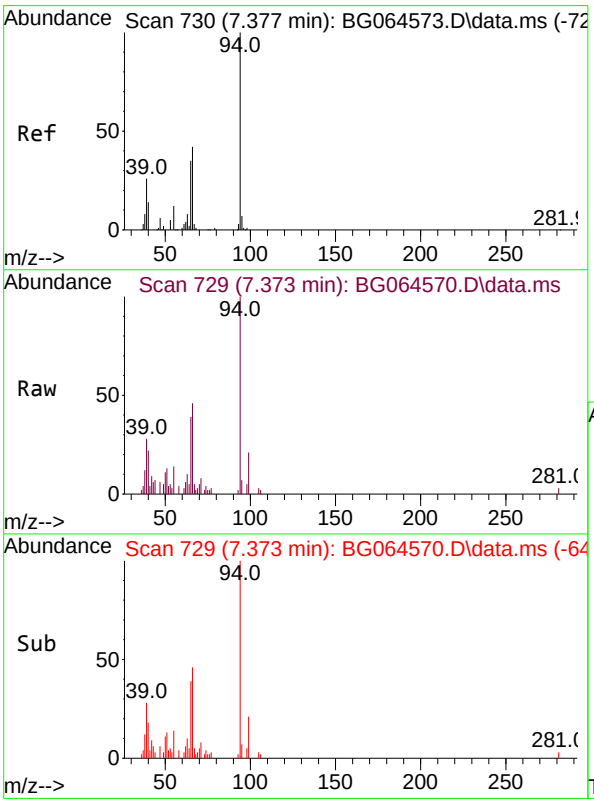
Ion	Ratio	Lower	Upper
128	100		
130	39.4	13.5	53.5
64	65.2	45.2	85.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

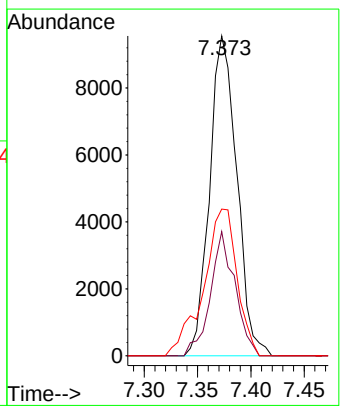
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

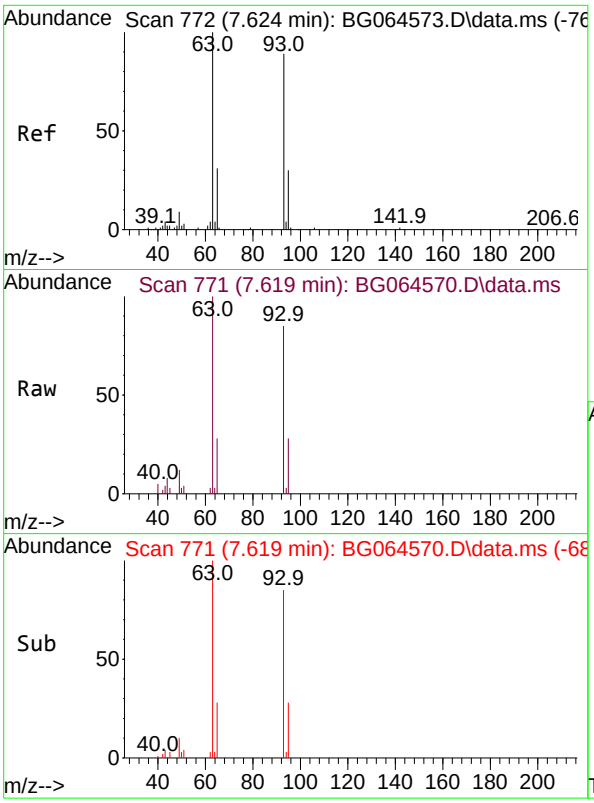


#10
Phenol
Concen: 4.603 ng
RT: 7.373 min Scan# 729
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

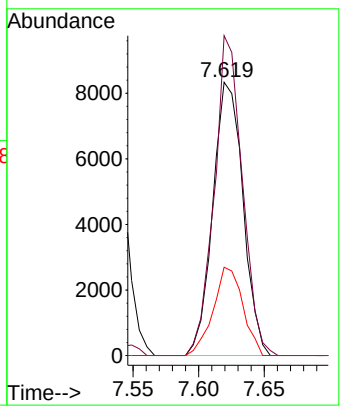




#11
bis(2-Chloroethyl)ether
Concen: 4.915 ng
RT: 7.619 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 1334

Ion	Ratio	Lower	Upper
93	100		
63	117.0	91.3	131.3
95	32.3	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
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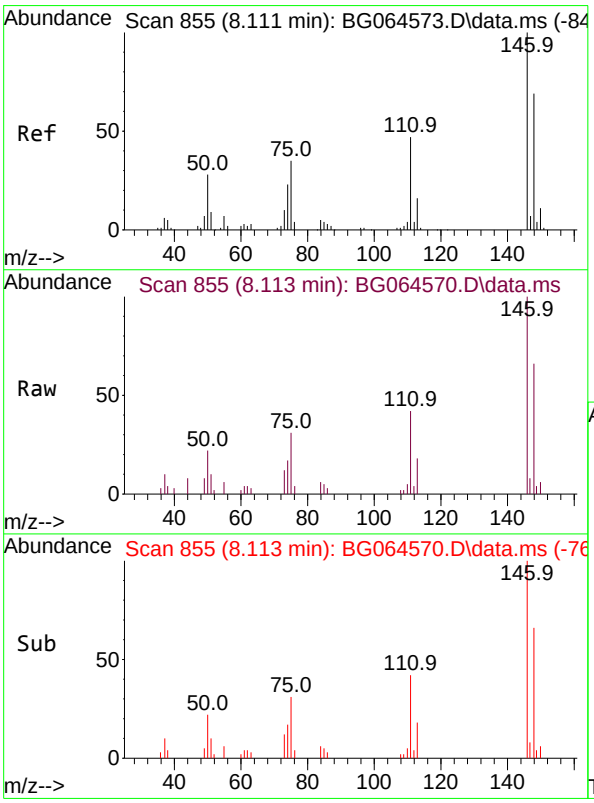
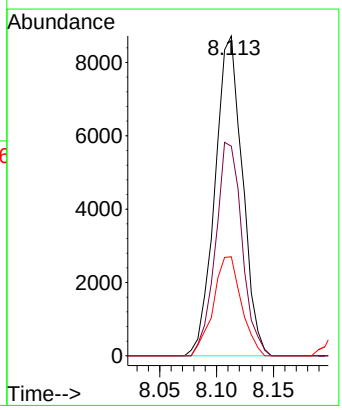
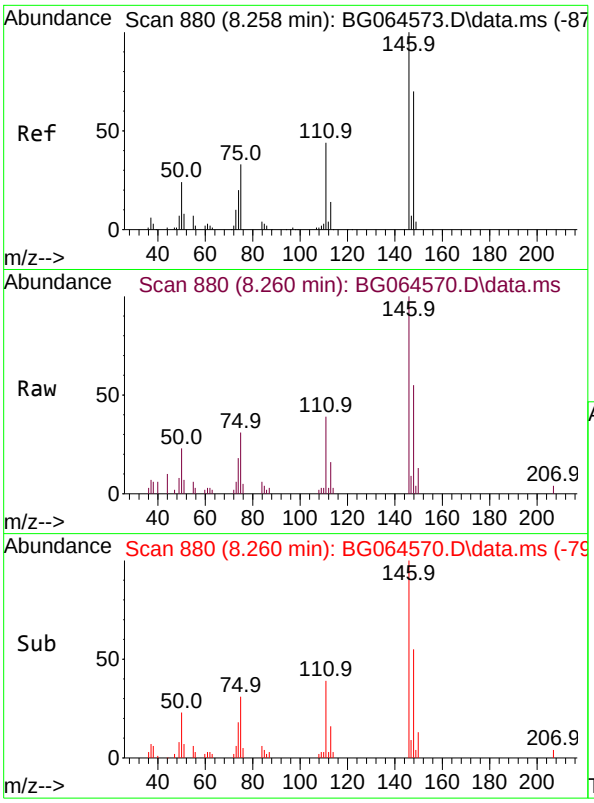


#12
1,3-Dichlorobenzene
Concen: 4.998 ng
RT: 8.113 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

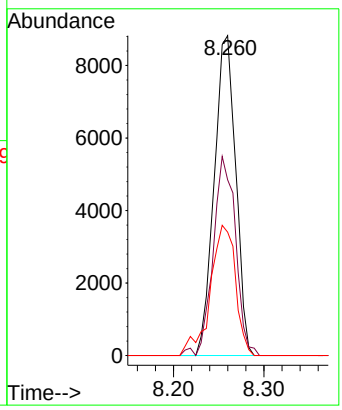




#13
1,4-Dichlorobenzene
Concen: 4.902 ng m
RT: 8.260 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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 :
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ClientSampleId :
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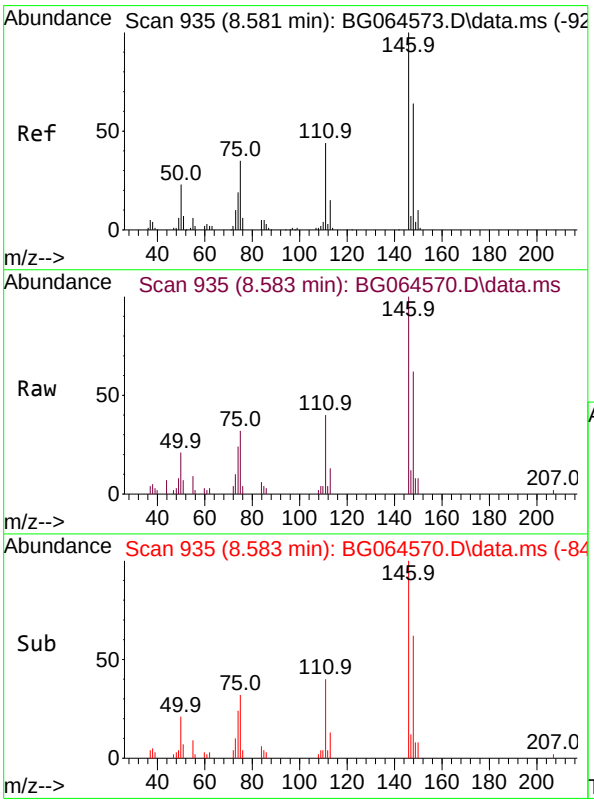
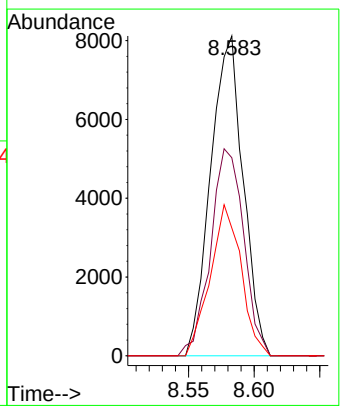
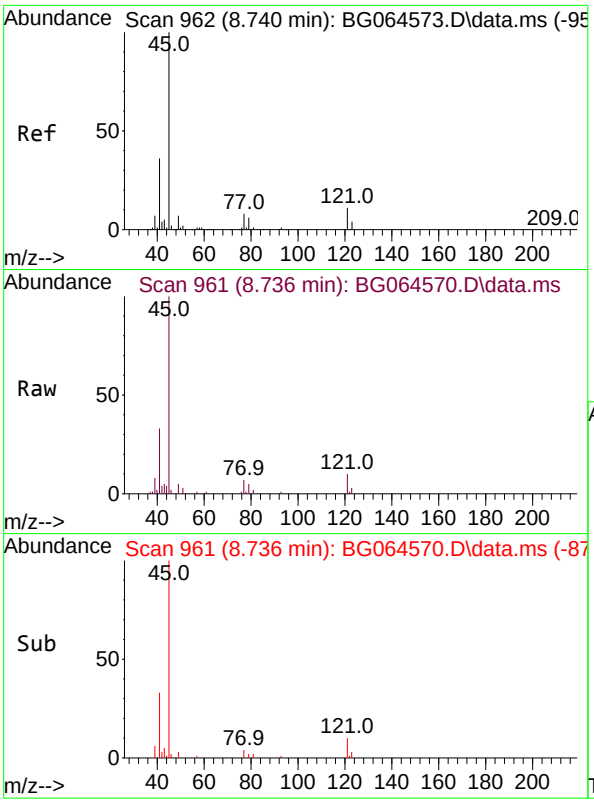


#14
1,2-Dichlorobenzene
Concen: 4.868 ng
RT: 8.583 min Scan# 935
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

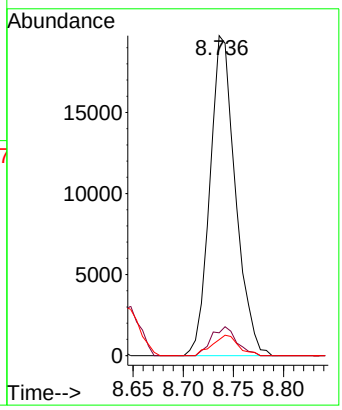




#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.905 ng
RT: 8.736 min Scan# 9
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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 :
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ClientSampleId :
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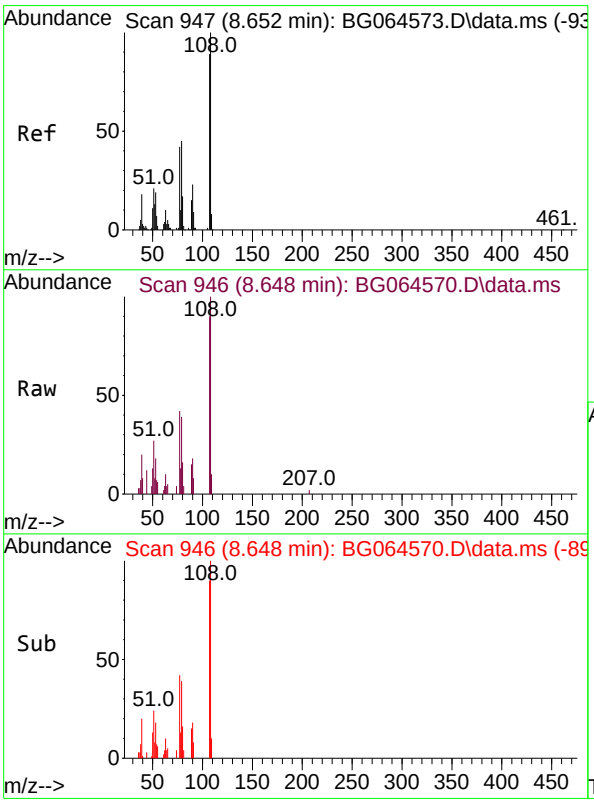
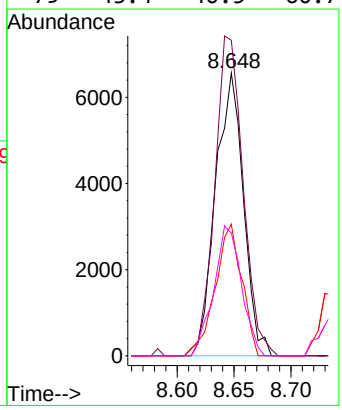
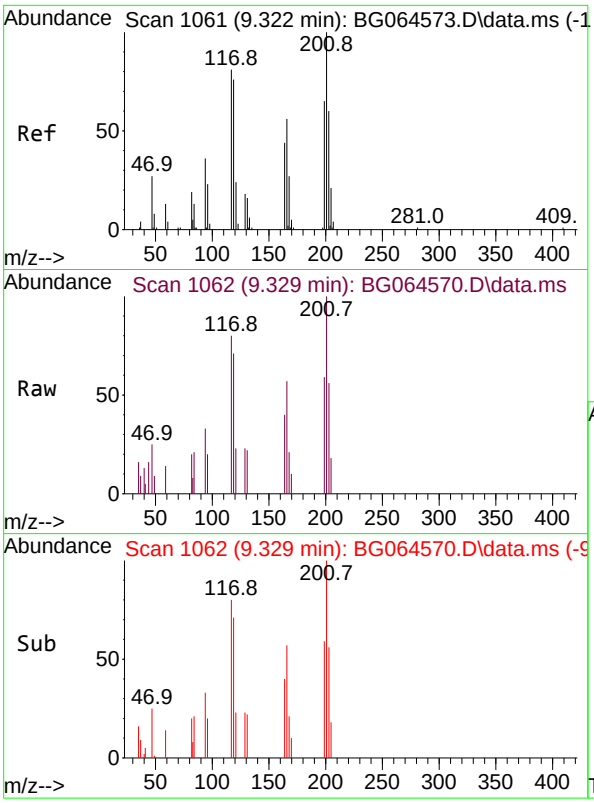


#17
2-Methylphenol
Concen: 4.593 ng
RT: 8.648 min Scan# 946
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:107 Resp: 11259

Ion	Ratio	Lower	Upper
107	100		
108	111.6	90.0	135.0
77	46.6	37.8	56.8
79	43.4	40.5	60.7

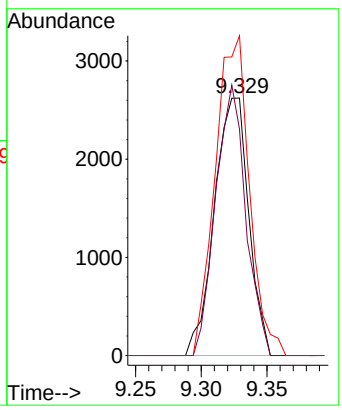




#18
Hexachloroethane
Concen: 4.564 ng
RT: 9.329 min Scan# 10
Delta R.T. 0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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 :
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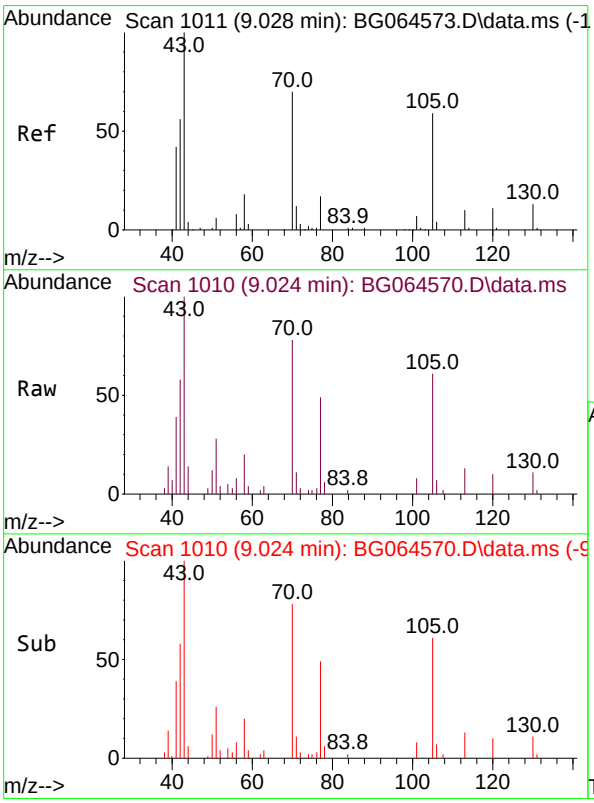
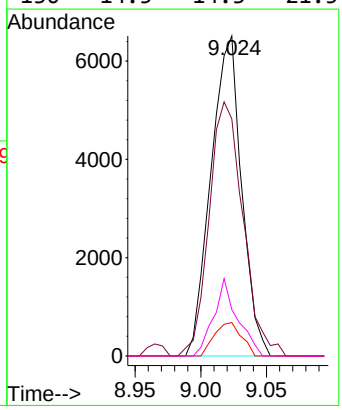
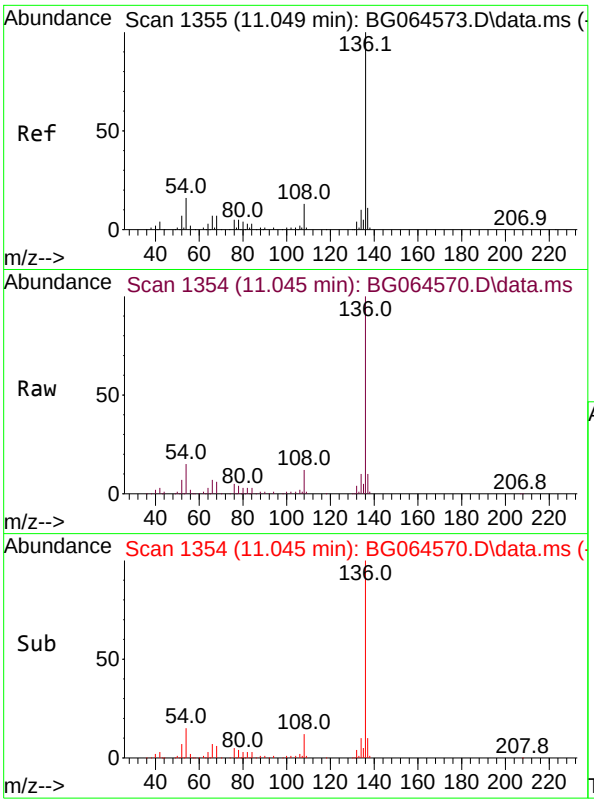


#19
n-Nitroso-di-n-propylamine
Concen: 4.592 ng
RT: 9.024 min Scan# 1010
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

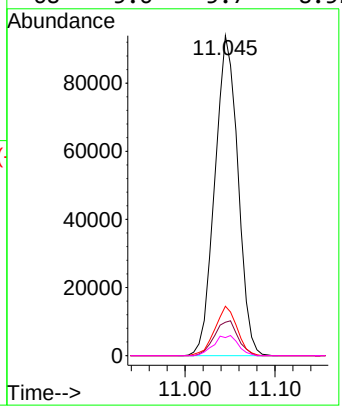




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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 :
SSTDICC005

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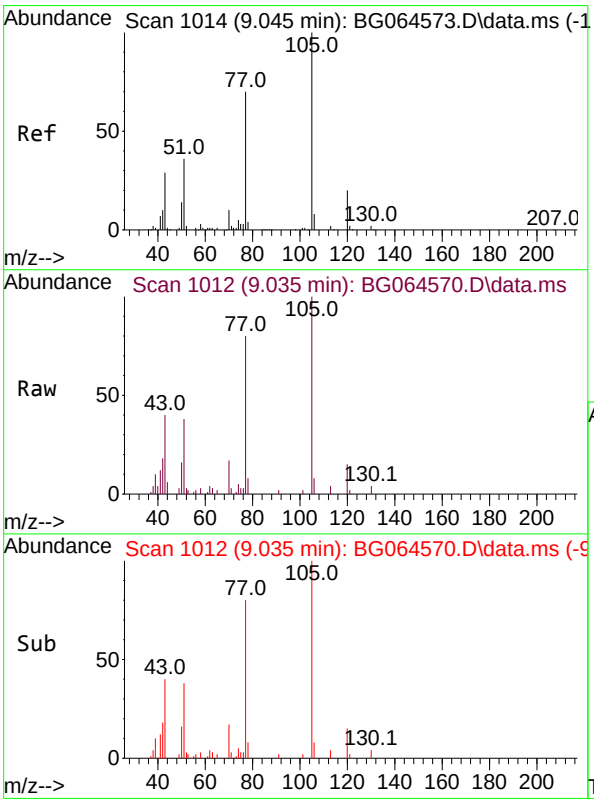
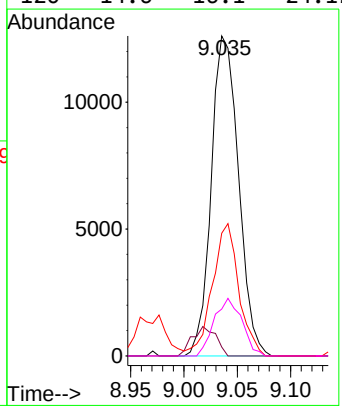
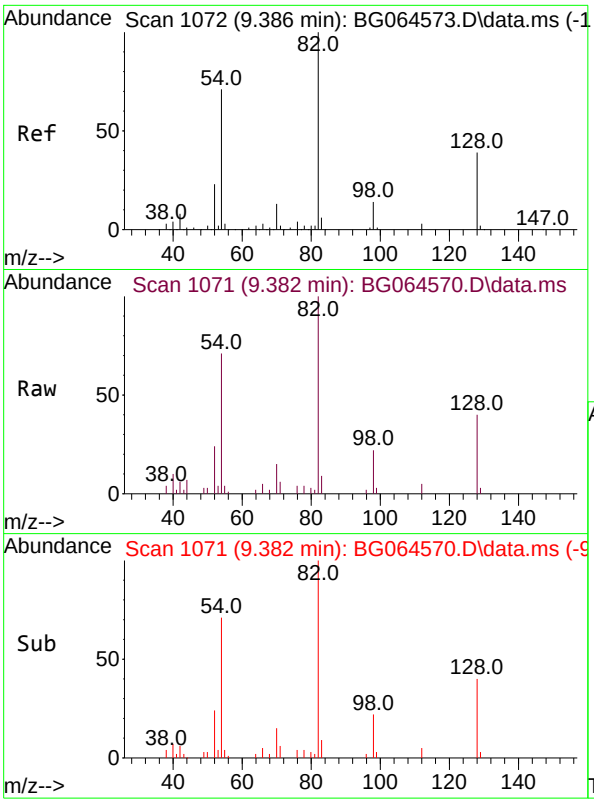


#22
Acetophenone
Concen: 4.892 ng
RT: 9.035 min Scan# 1012
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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#

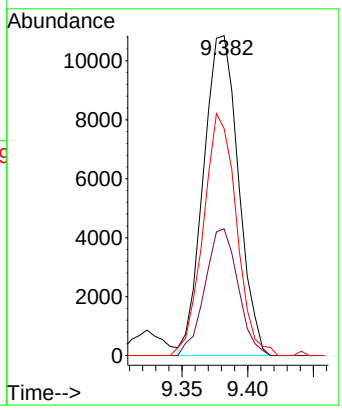




#23
Nitrobenzene-d5
Concen: 7.173 ng
RT: 9.382 min Scan# 10
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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 :
BNA_G
ClientSampleId :
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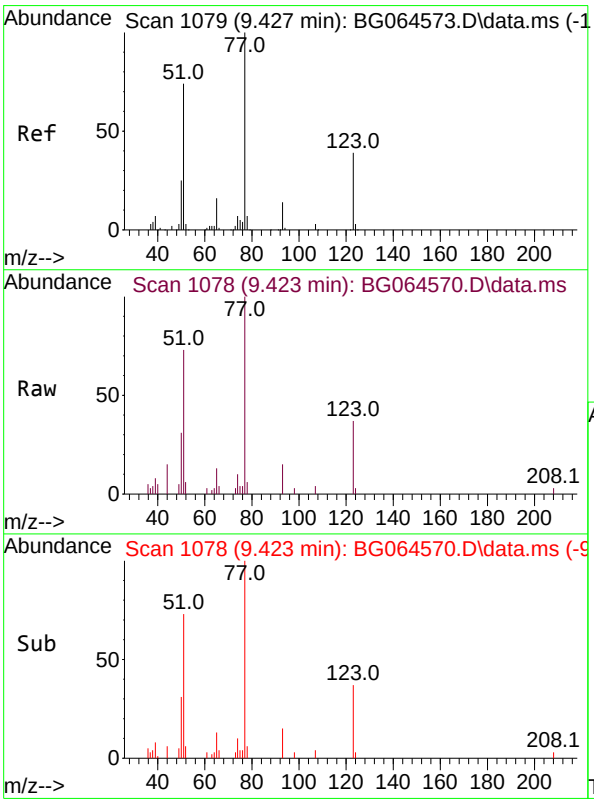
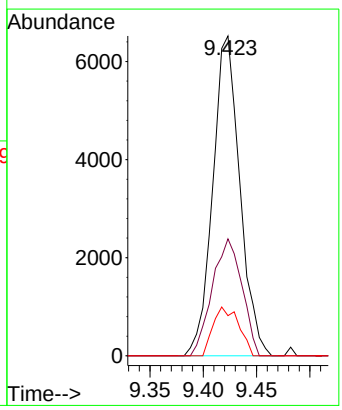
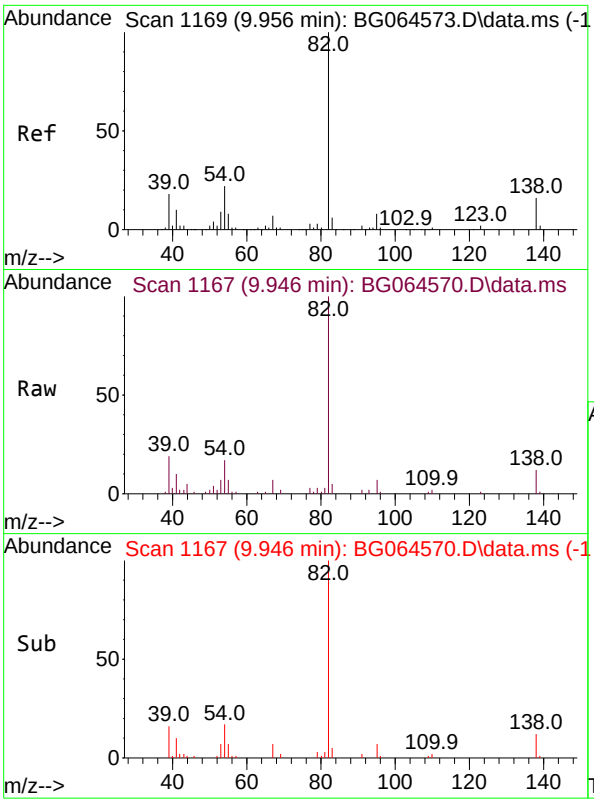


#24
Nitrobenzene
Concen: 3.782 ng
RT: 9.423 min Scan# 1078
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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#

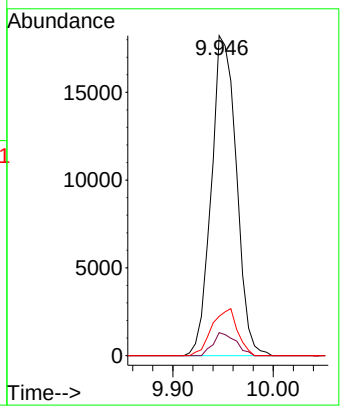




#25
Isophorone
Concen: 4.701 ng
RT: 9.946 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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#



Instrument :
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ClientSampleId :
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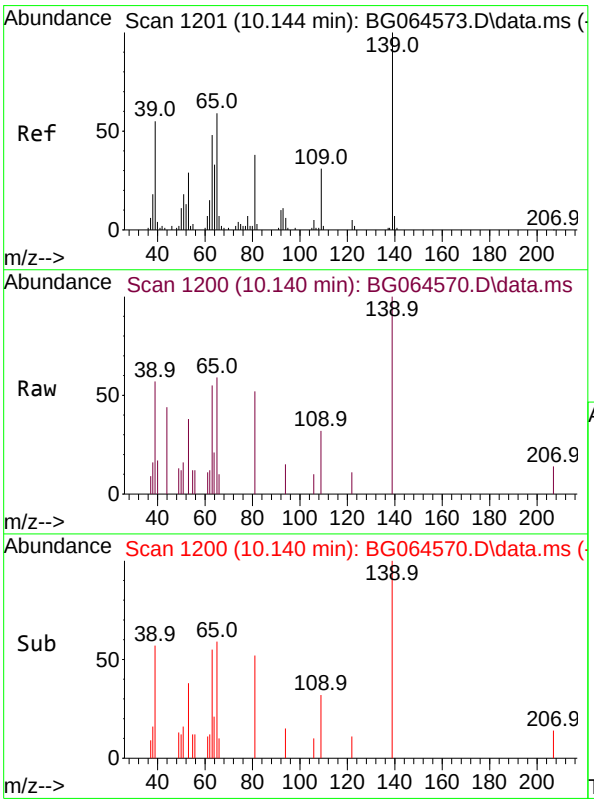
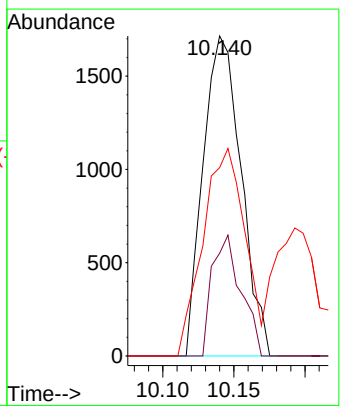
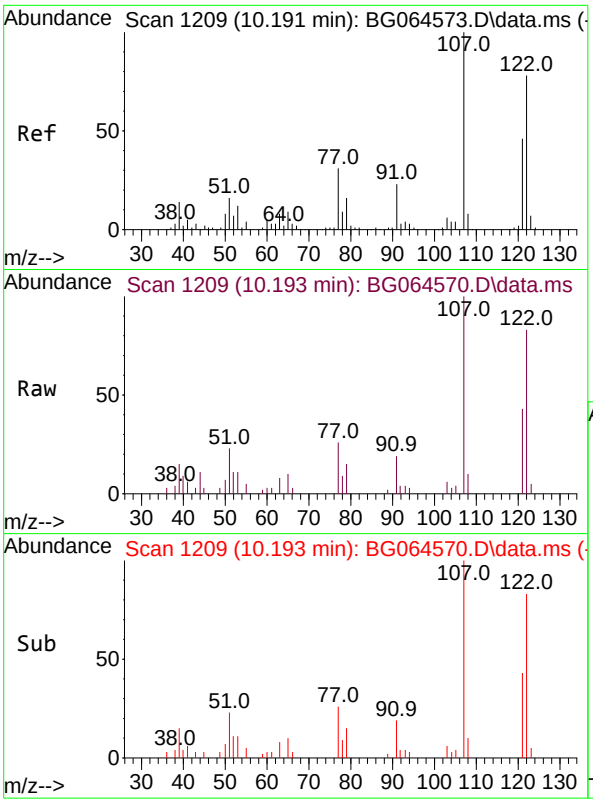


#26
2-Nitrophenol
Concen: 5.664 ng
RT: 10.140 min Scan# 1200
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

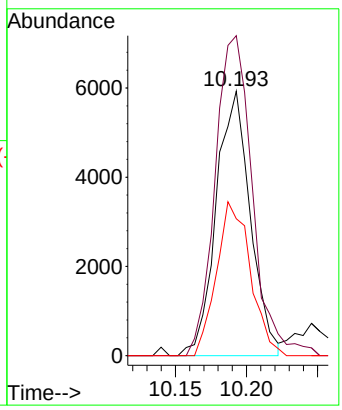




#27
2,4-Dimethylphenol
Concen: 3.969 ng
RT: 10.193 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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 :
SSTDICC005

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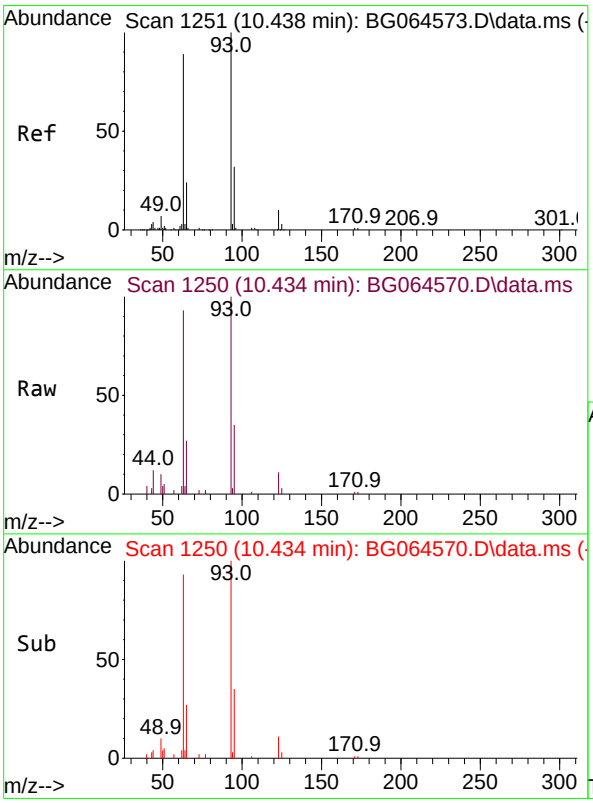
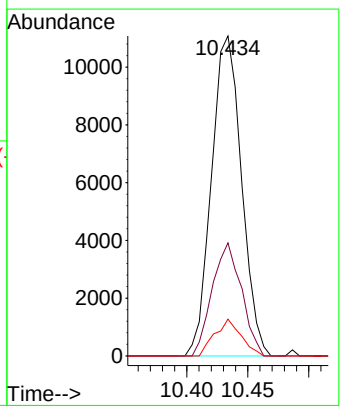
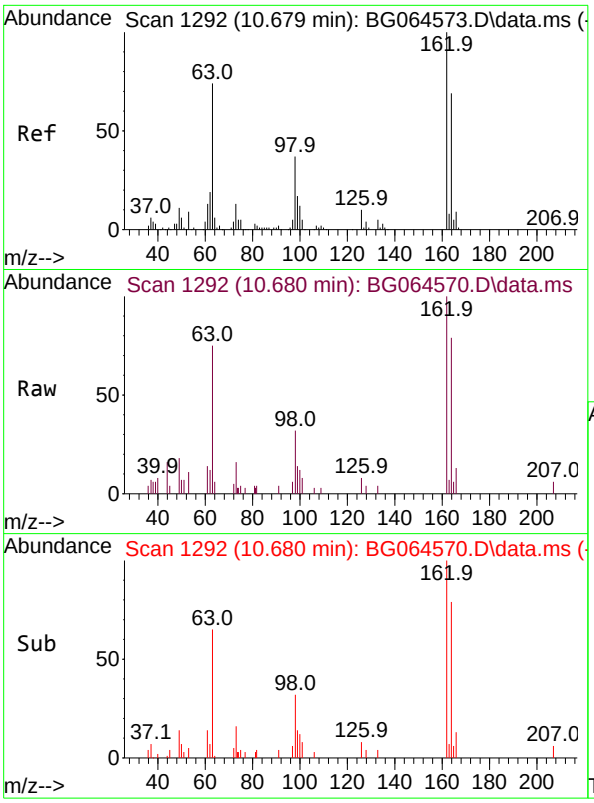


#28
bis(2-Chloroethoxy)methane
Concen: 4.963 ng
RT: 10.434 min Scan# 1250
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

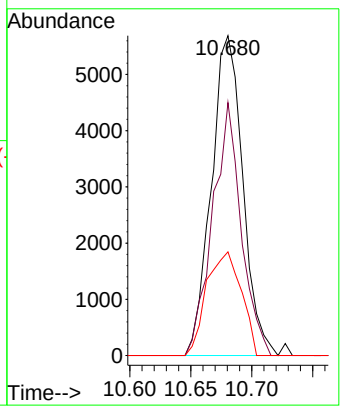




#29
2,4-Dichlorophenol
Concen: 3.798 ng
RT: 10.680 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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 :
SSTDICC005

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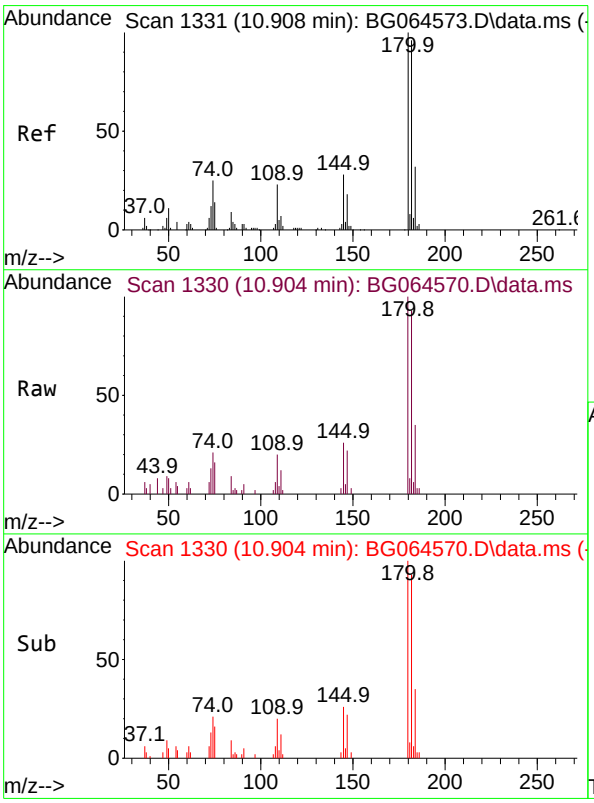
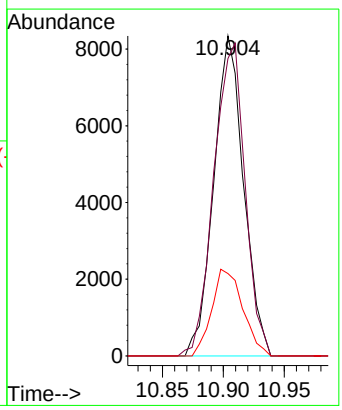
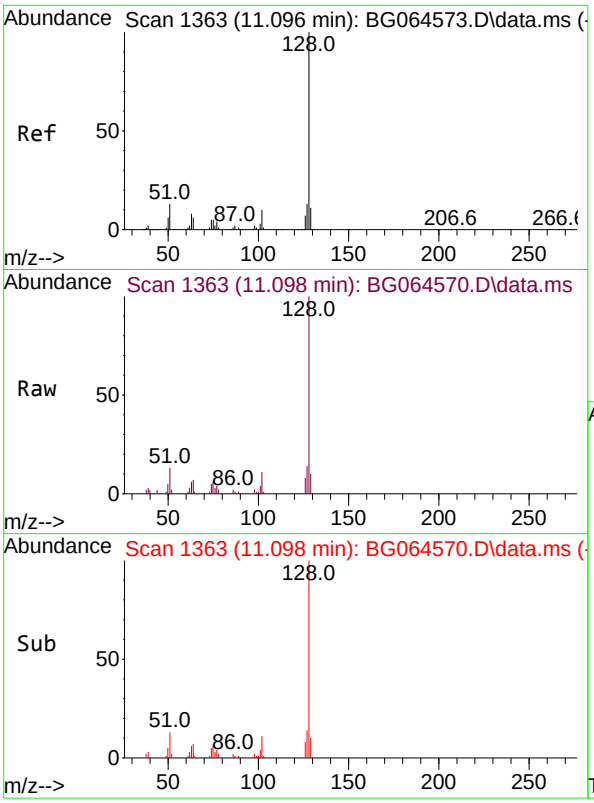


#30
1,2,4-Trichlorobenzene
Concen: 4.656 ng
RT: 10.904 min Scan# 1330
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

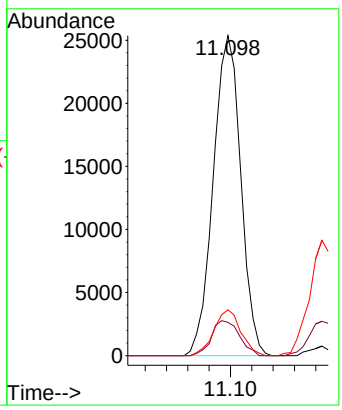




#31
Naphthalene
Concen: 4.883 ng
RT: 11.098 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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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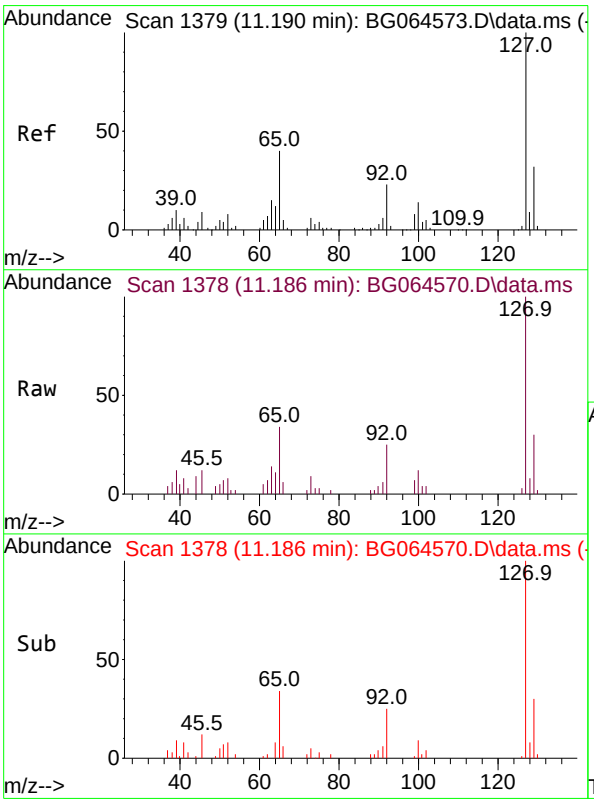
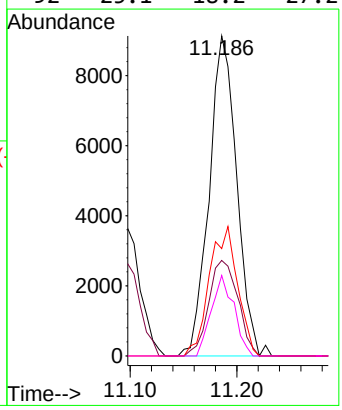
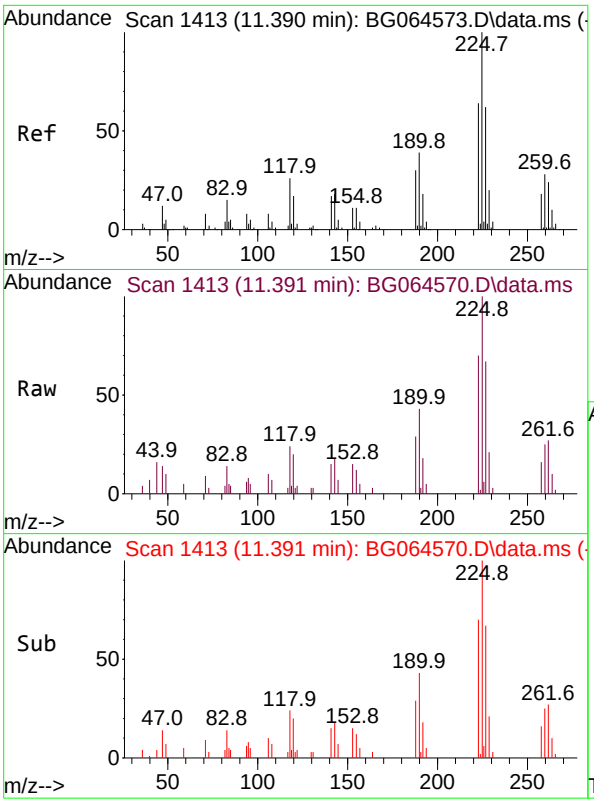


#33
4-Chloroaniline
Concen: 4.530 ng
RT: 11.186 min Scan# 1378
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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

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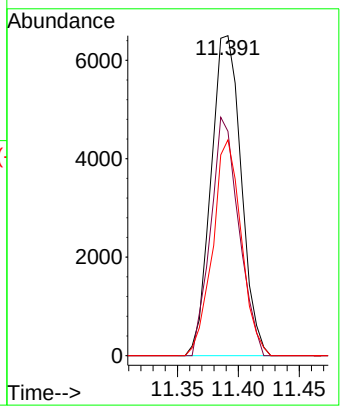
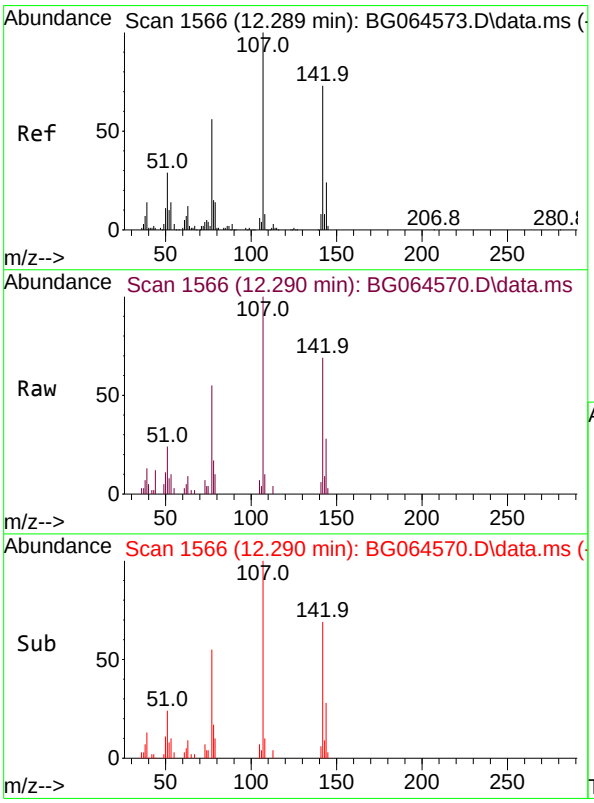
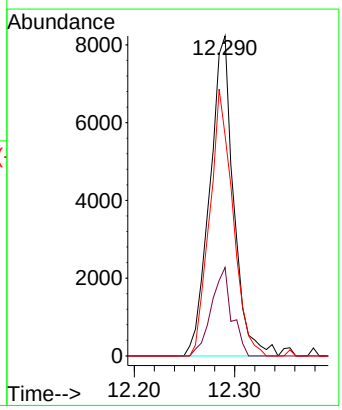


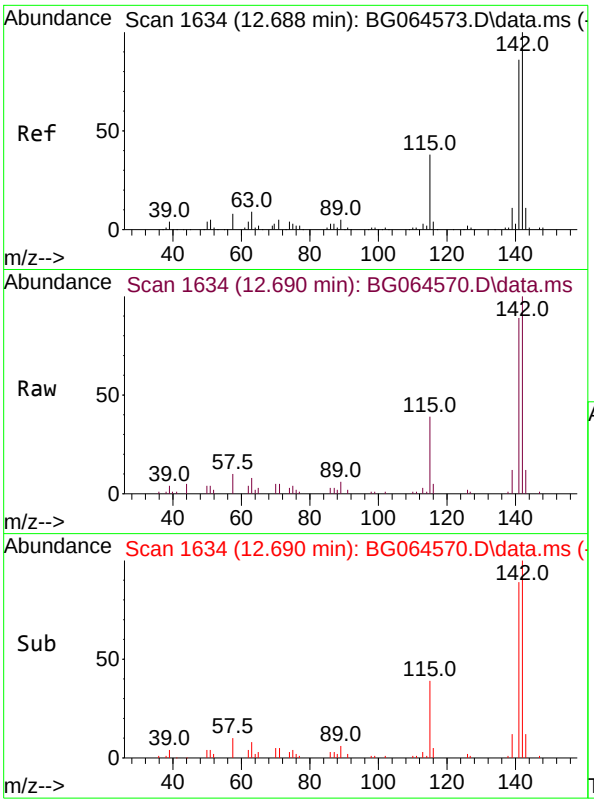


#36
4-Chloro-3-methylphenol
Concen: 4.205 ng
RT: 12.290 min Scan# 1566
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

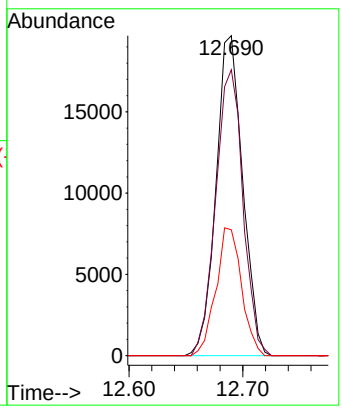




#37
2-Methylnaphthalene
Concen: 4.690 ng
RT: 12.690 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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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ClientSampleId :
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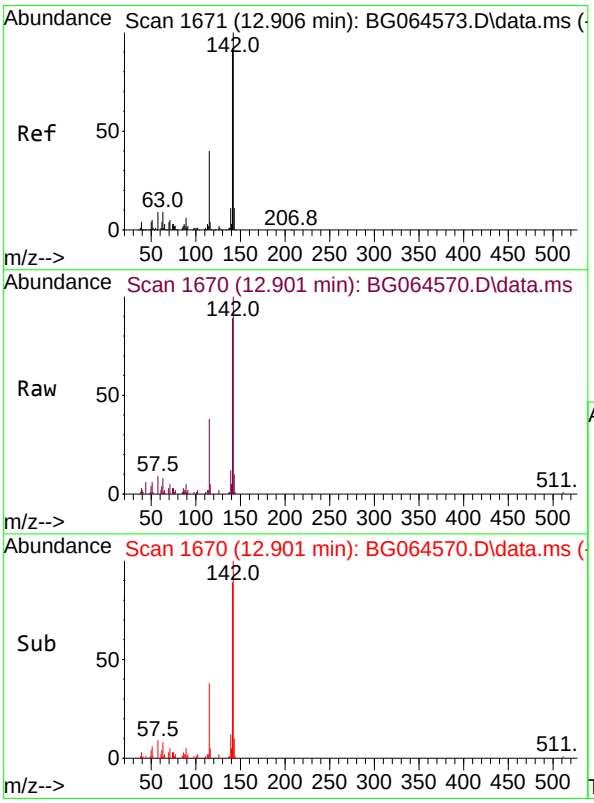
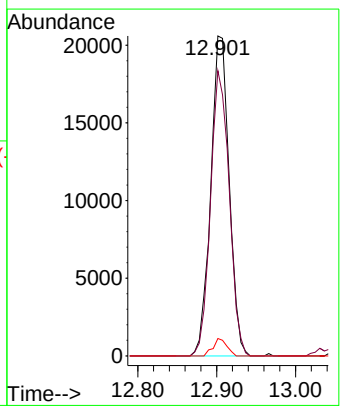
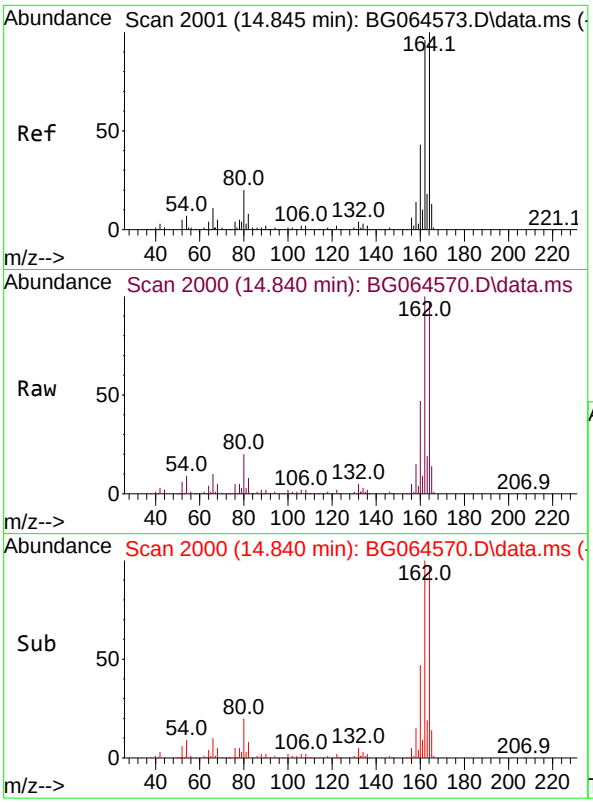


#38
1-Methylnaphthalene
Concen: 4.951 ng m
RT: 12.901 min Scan# 1670
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:142 Resp: 33565

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

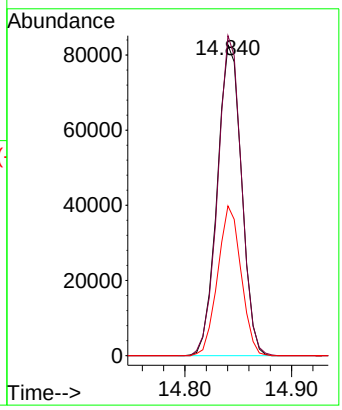




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.840 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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 :
BNA_G
ClientSampleId :
SSTDICC005

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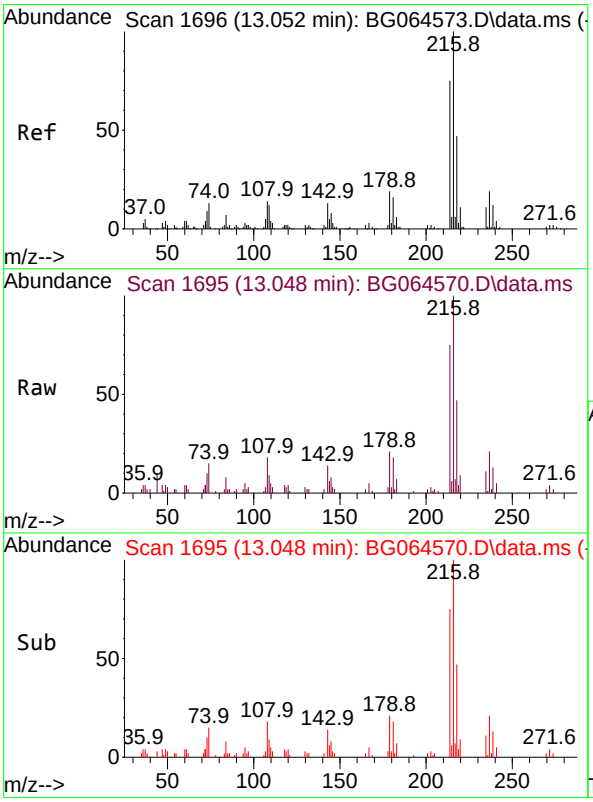
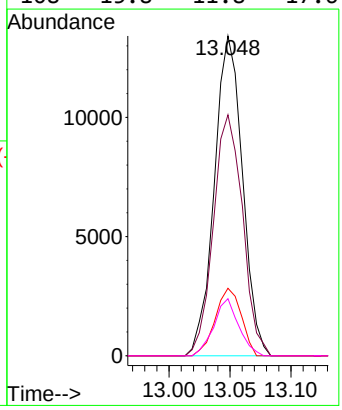
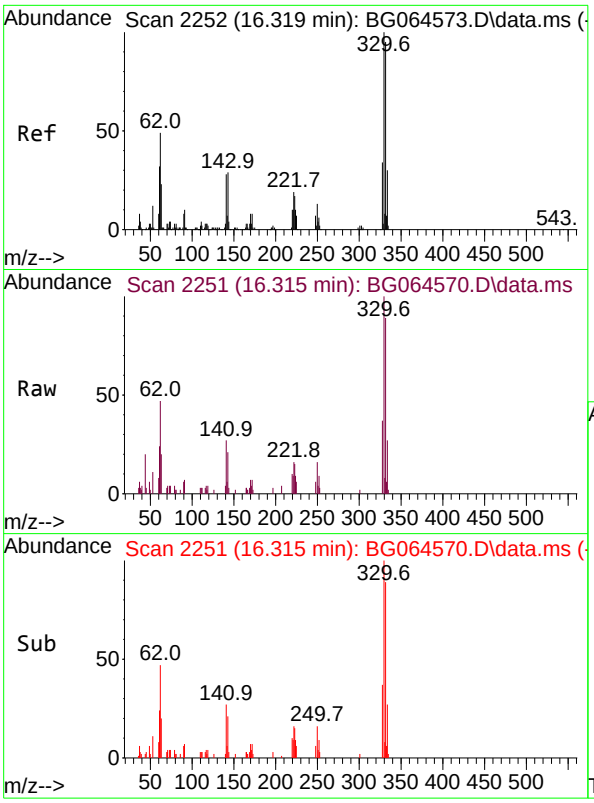


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.893 ng
RT: 13.048 min Scan# 1695
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

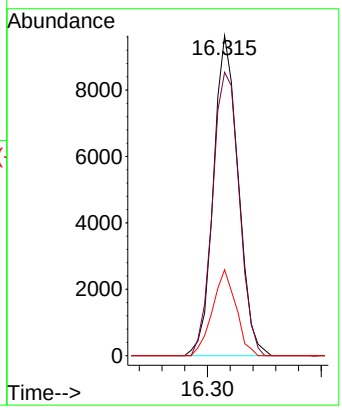




#42
2,4,6-Tribromophenol
Concen: 7.654 ng
RT: 16.315 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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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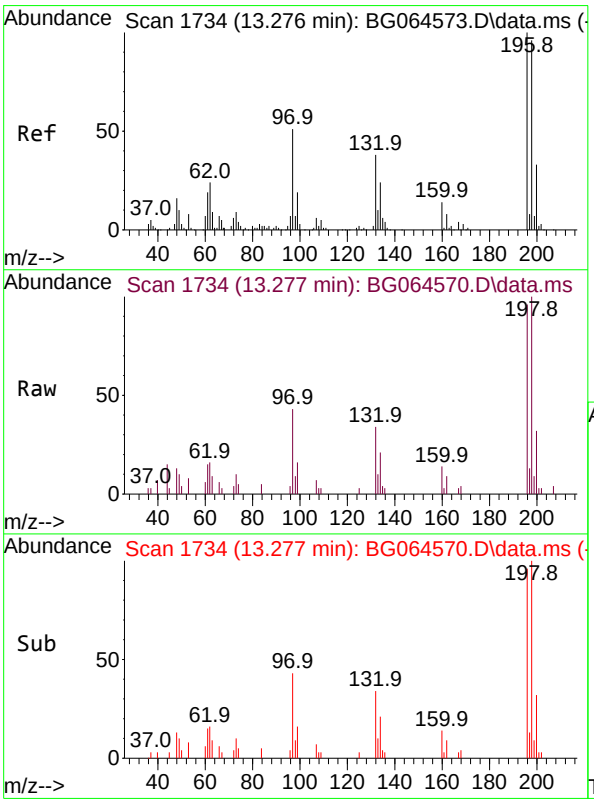
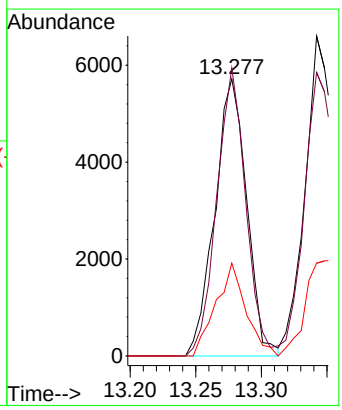
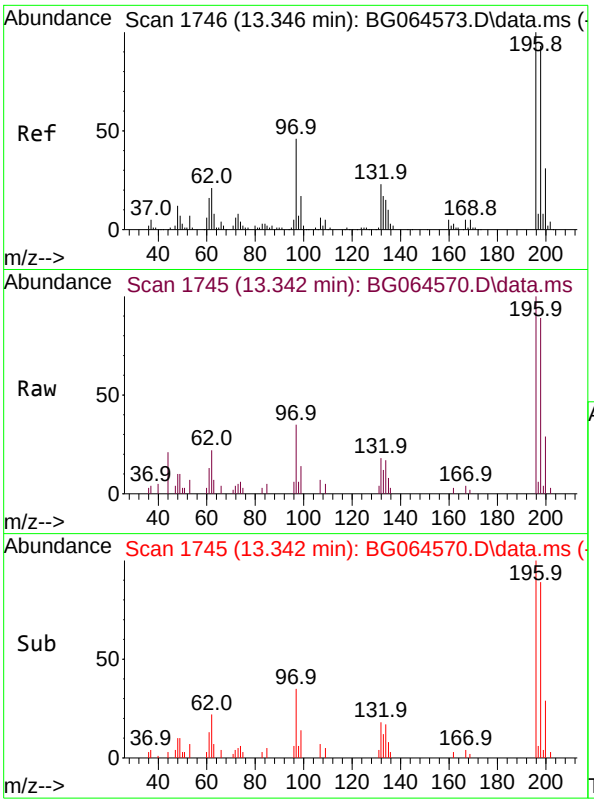


#43
2,4,6-Trichlorophenol
Concen: 3.826 ng
RT: 13.277 min Scan# 1734
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

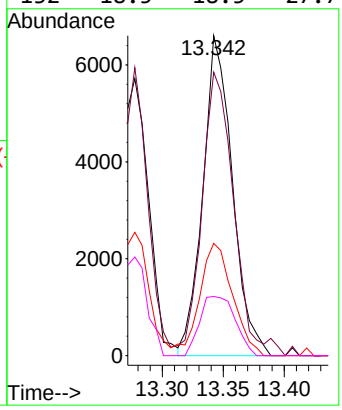




#44
2,4,5-Trichlorophenol
Concen: 3.831 ng
RT: 13.342 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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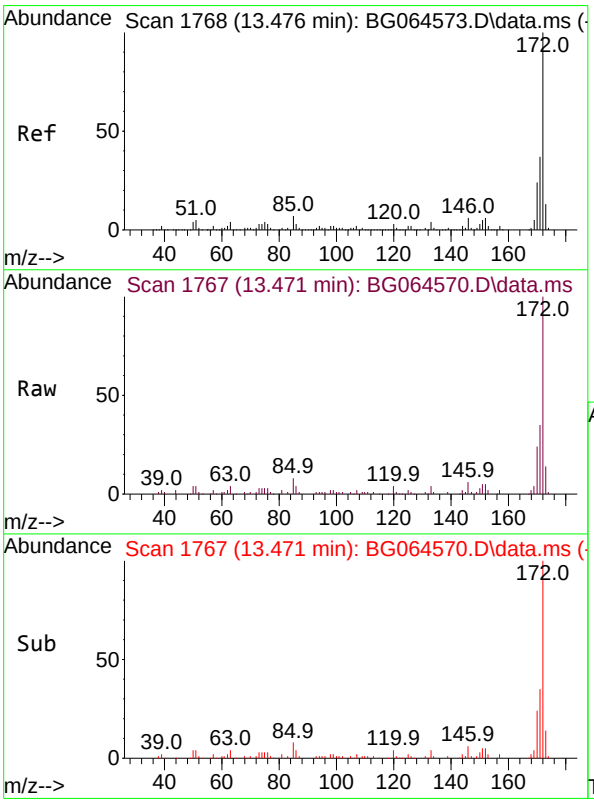
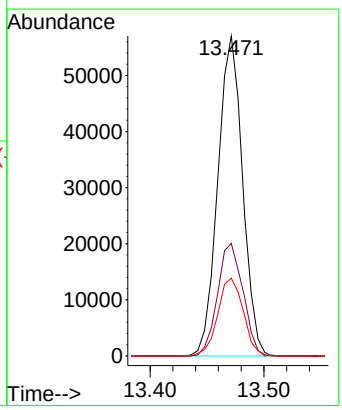
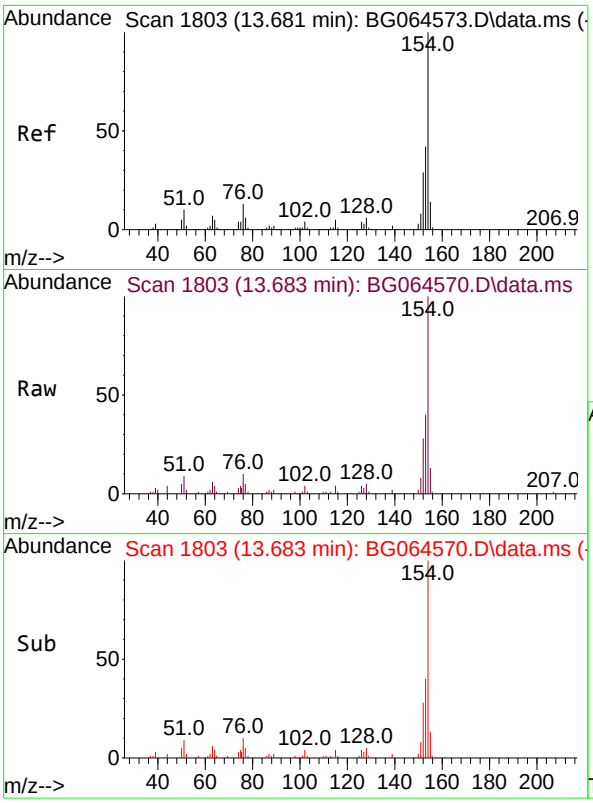


#45
2-Fluorobiphenyl
Concen: 9.932 ng
RT: 13.471 min Scan# 1767
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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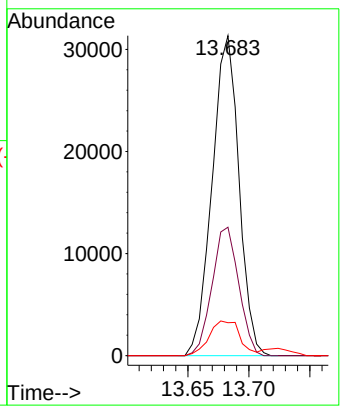
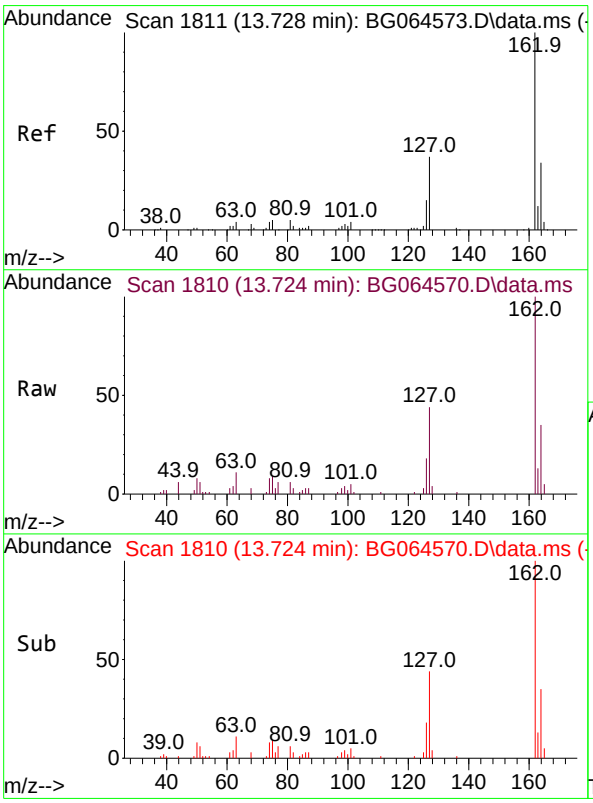
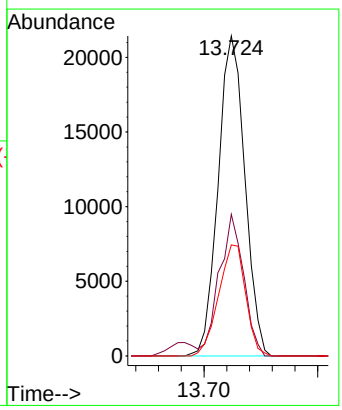


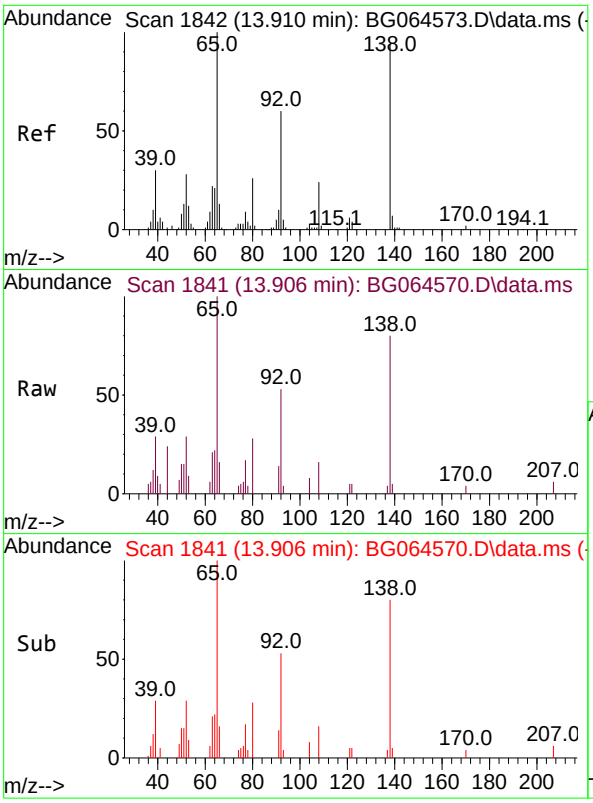


#47
2-Chloronaphthalene
Concen: 4.961 ng
RT: 13.724 min Scan# 1810
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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. -0.004 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

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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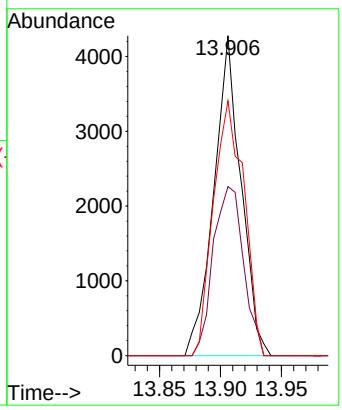
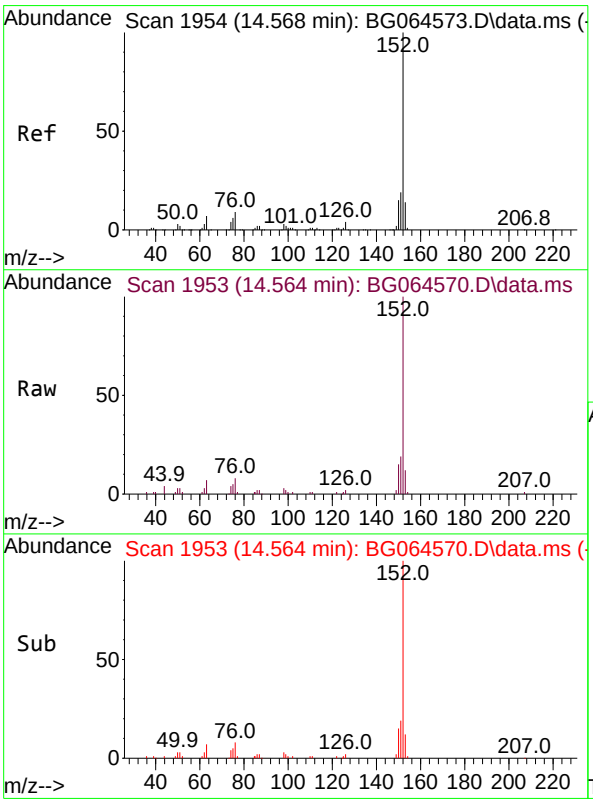
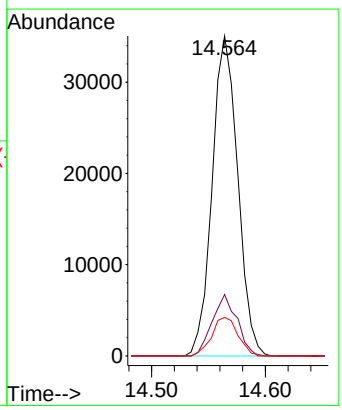


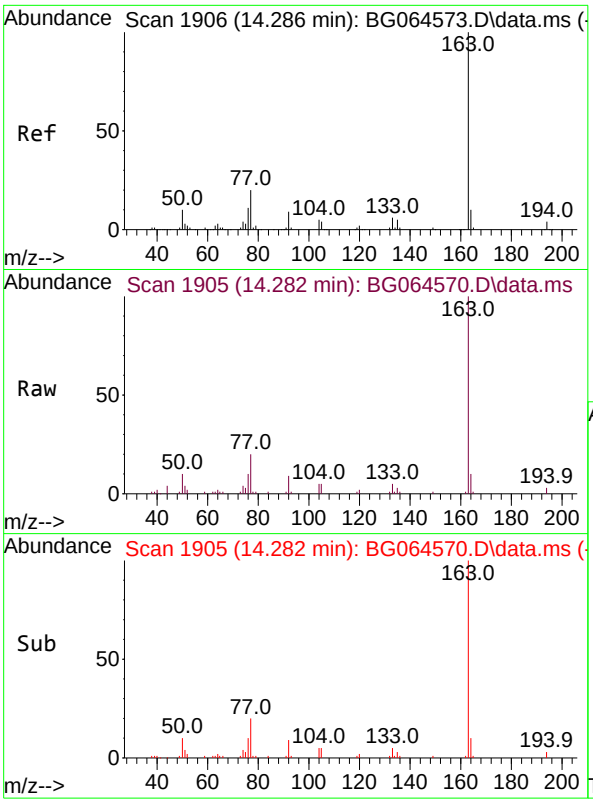


#49
Acenaphthylene
Concen: 4.923 ng
RT: 14.564 min Scan# 1953
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

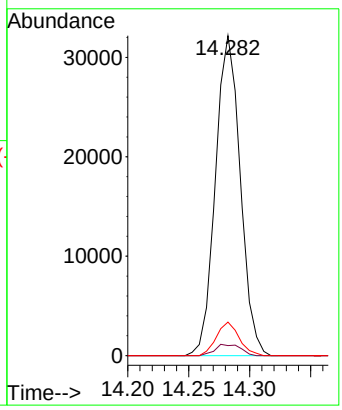




#50
Dimethylphthalate
Concen: 4.540 ng
RT: 14.282 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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 :
BNA_G
ClientSampleId :
SSTDICC005

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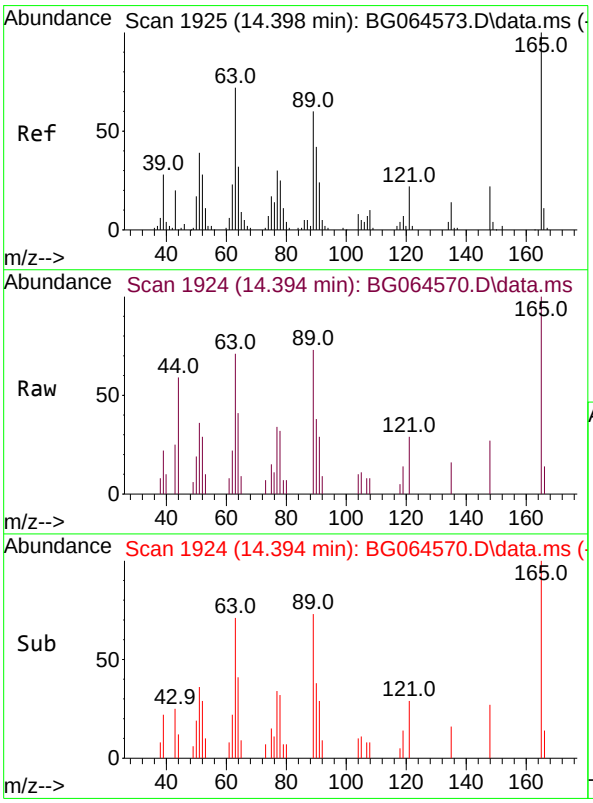
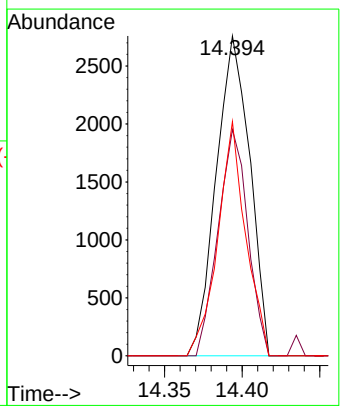
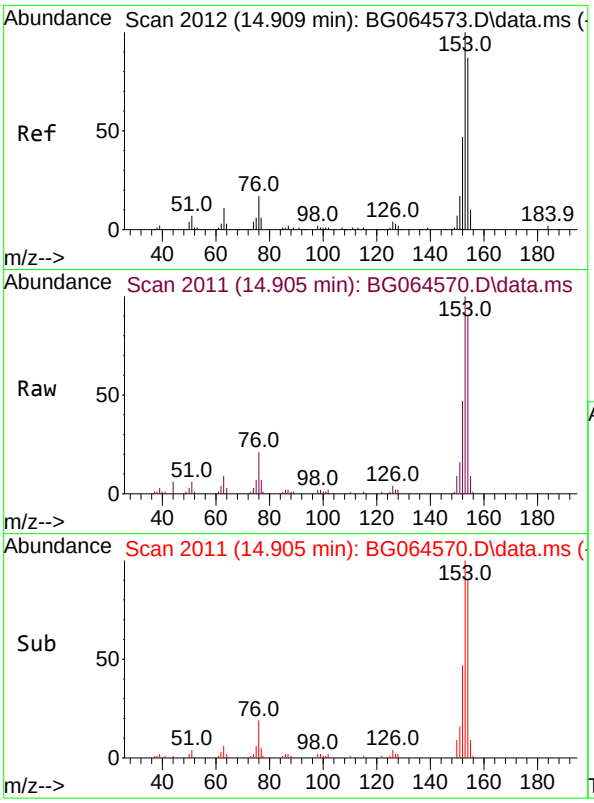


#51
2,6-Dinitrotoluene
Concen: 5.535 ng
RT: 14.394 min Scan# 1924
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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#

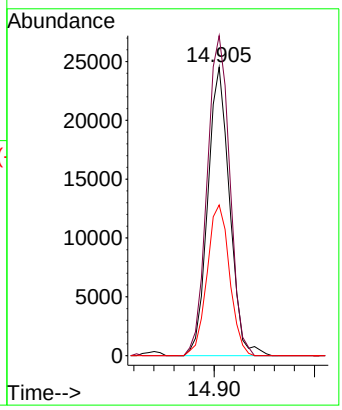




#52
Acenaphthene
Concen: 4.867 ng
RT: 14.905 min Scan# 20
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

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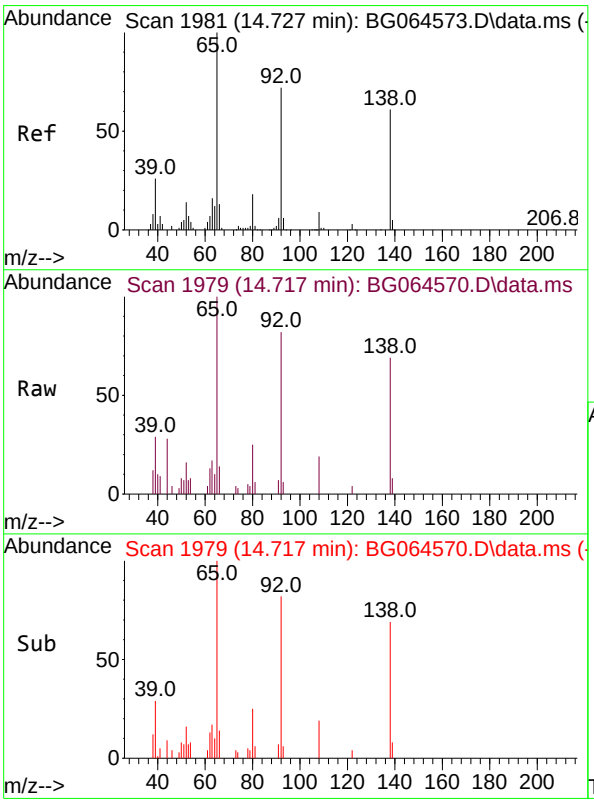
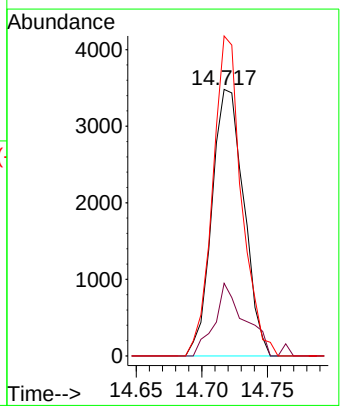
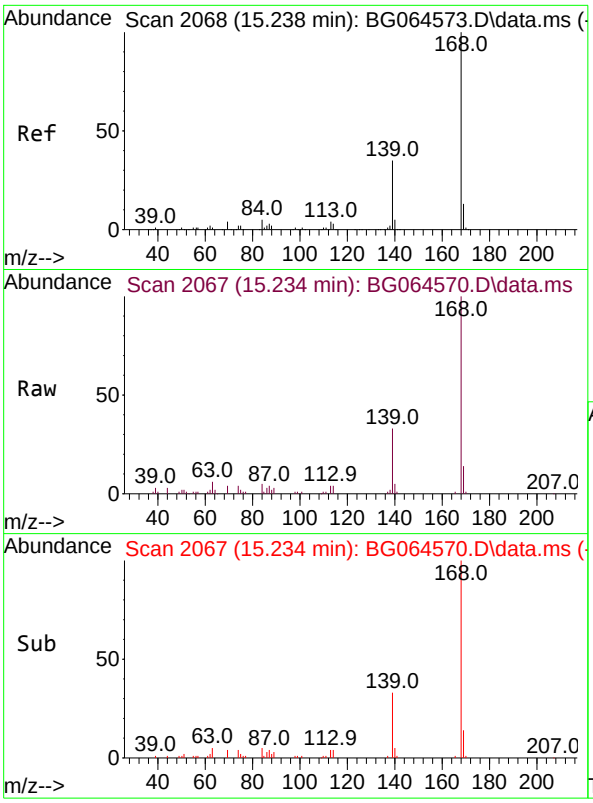


#53
3-Nitroaniline
Concen: 3.417 ng
RT: 14.717 min Scan# 1979
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

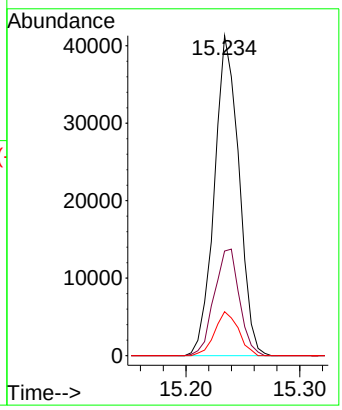




#55
Dibenzofuran
Concen: 5.029 ng
RT: 15.234 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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



Instrument :
BNA_G
ClientSampleId :
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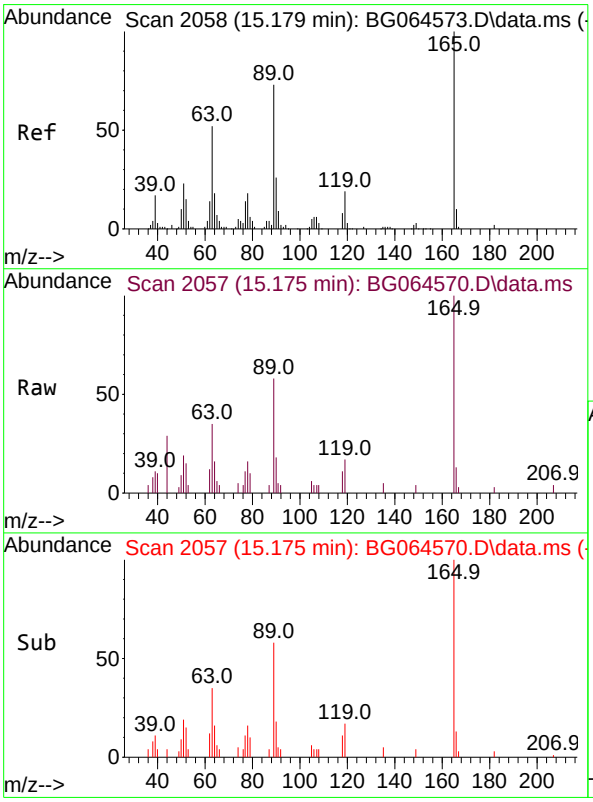
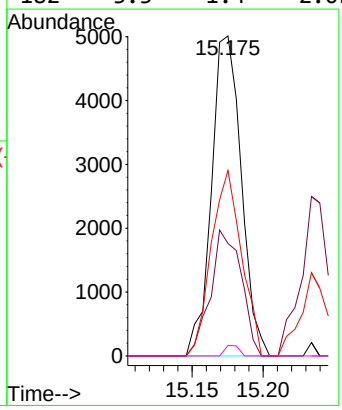
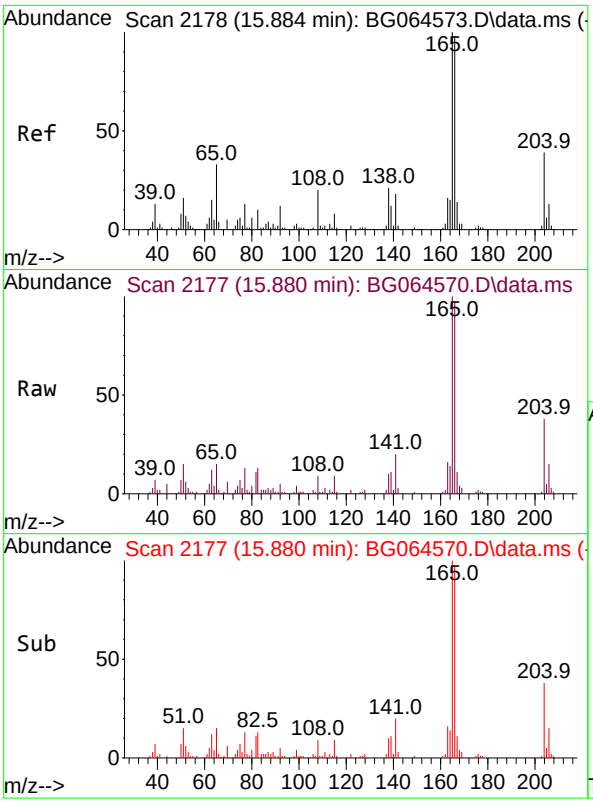


#57
2,4-Dinitrotoluene
Concen: 5.721 ng
RT: 15.175 min Scan# 2057
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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#

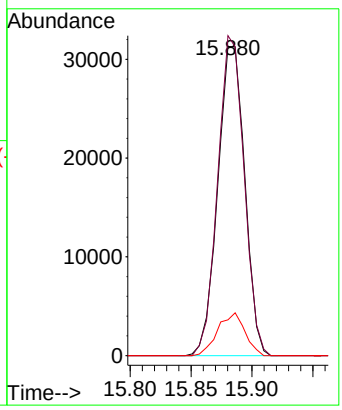




#58
Fluorene
Concen: 5.035 ng
RT: 15.880 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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



Instrument :
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ClientSampleId :
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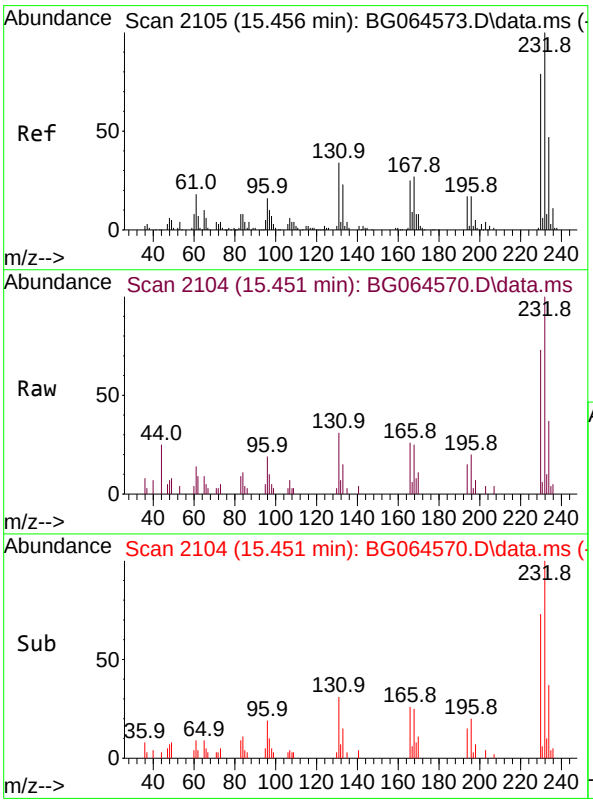
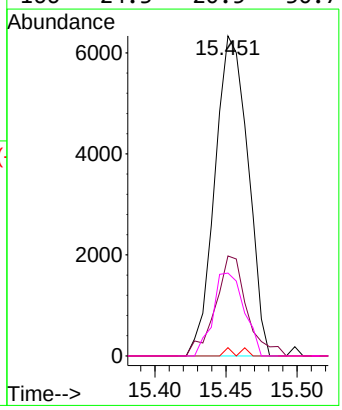
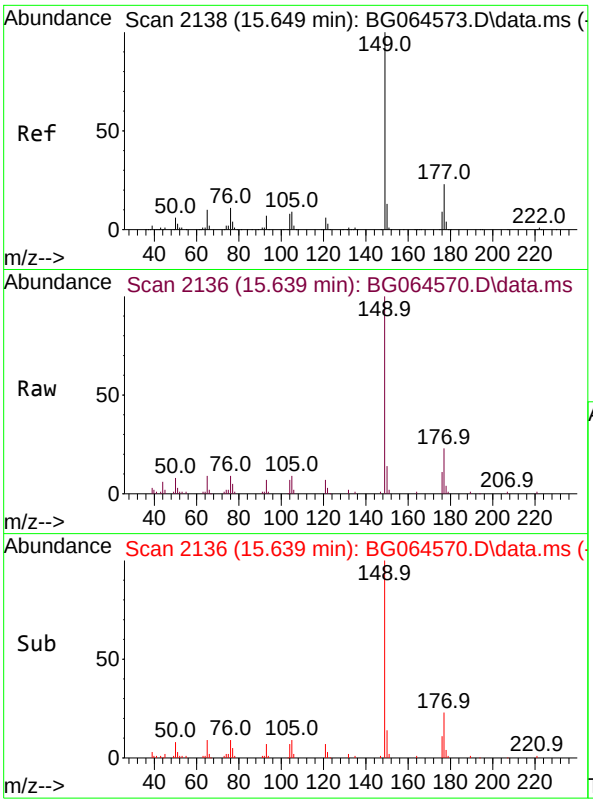


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.679 ng
RT: 15.451 min Scan# 2104
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

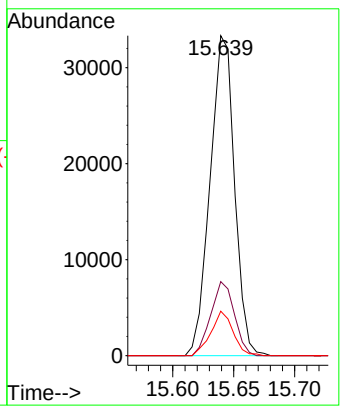




#60
Diethylphthalate
Concen: 4.533 ng
RT: 15.639 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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



Instrument :
BNA_G
ClientSampleId :
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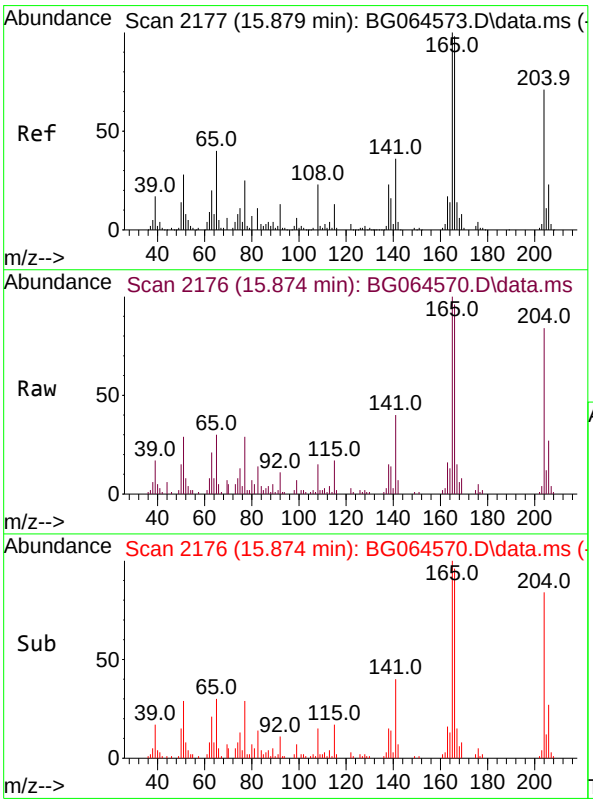
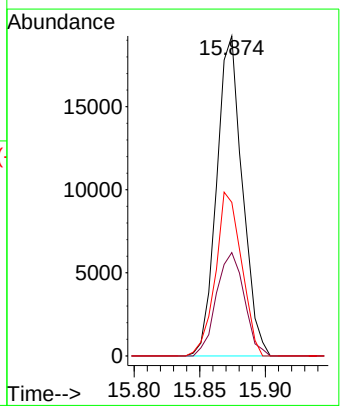
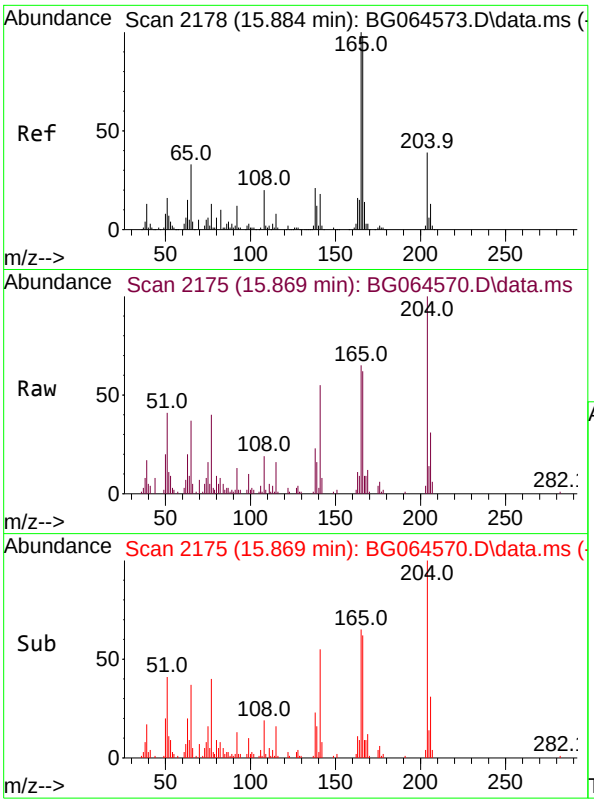


#61
4-Chlorophenyl-phenylether
Concen: 4.880 ng
RT: 15.874 min Scan# 2176
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

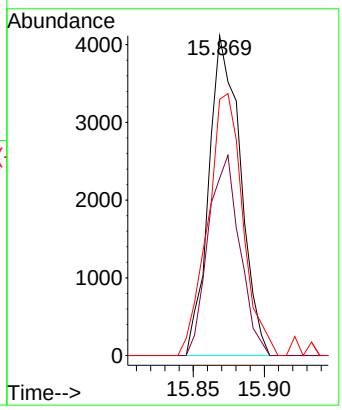




#62
4-Nitroaniline
Concen: 3.321 ng
RT: 15.869 min Scan# 2
Delta R.T. -0.016 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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 :
BNA_G
ClientSampleId :
SSTDICC005

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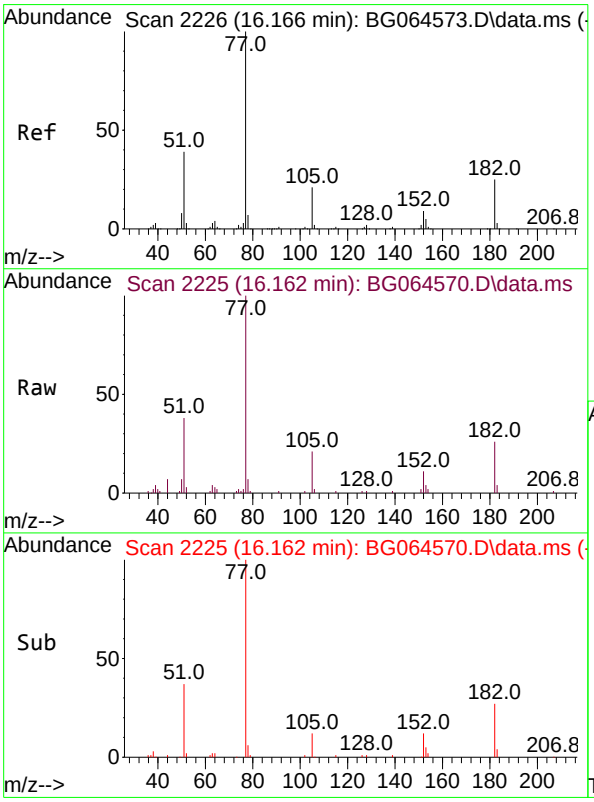
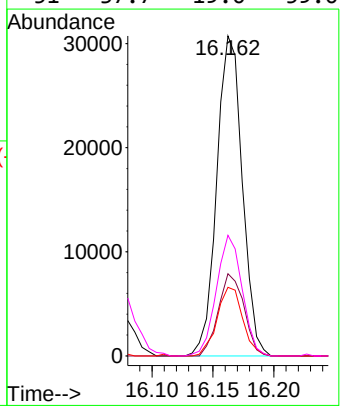
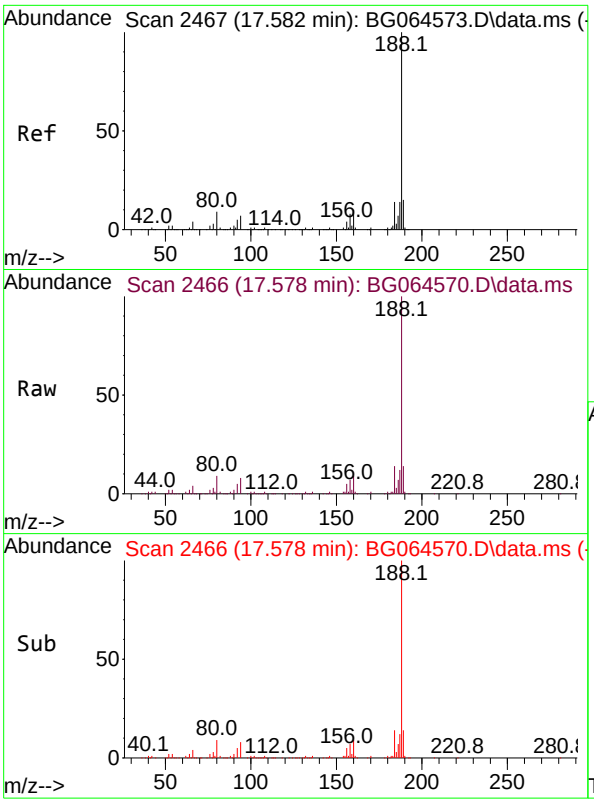


#63
Azobenzene
Concen: 4.749 ng
RT: 16.162 min Scan# 2225
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

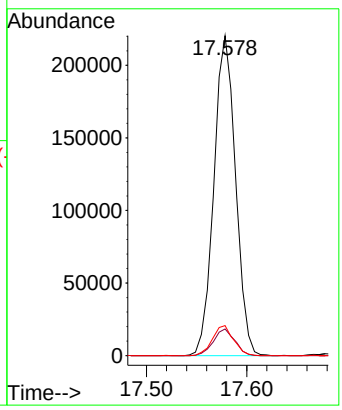




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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 :
SSTDICC005

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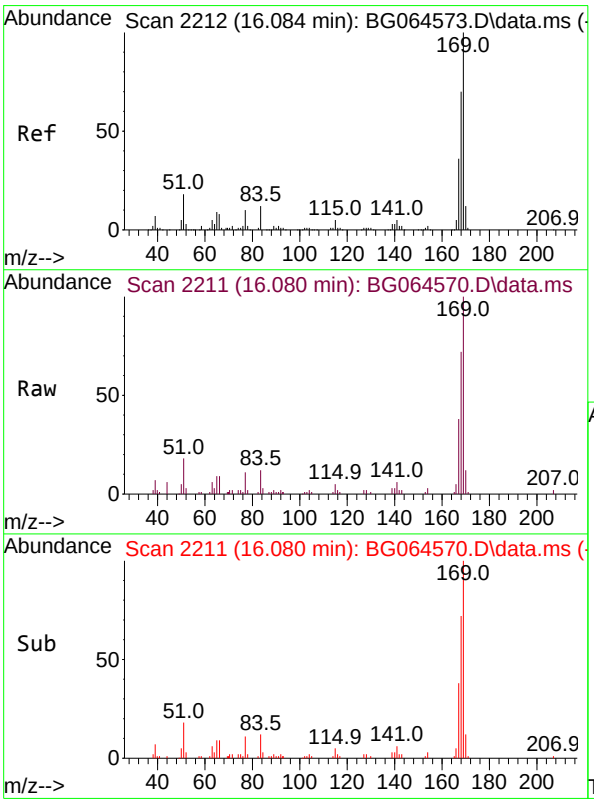
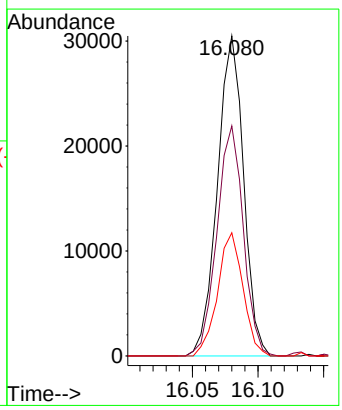
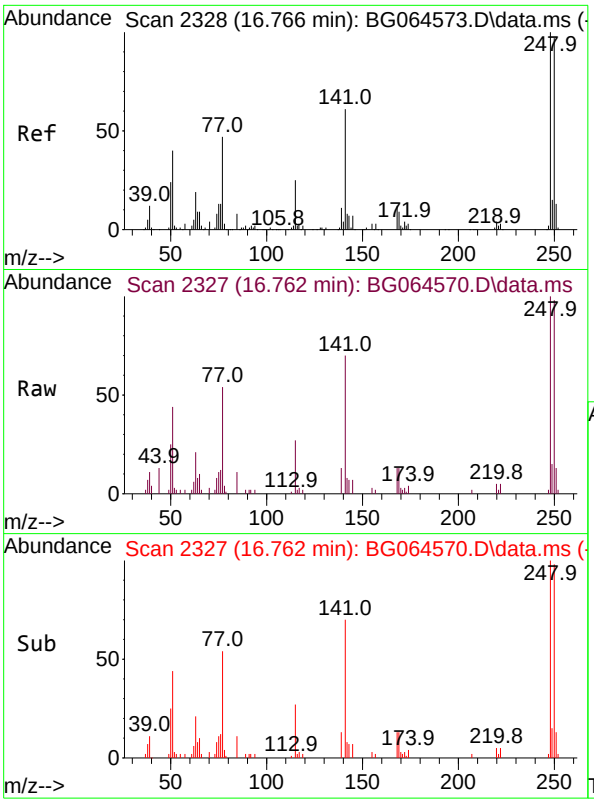


#66
n-Nitrosodiphenylamine
Concen: 4.725 ng
RT: 16.080 min Scan# 2211
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

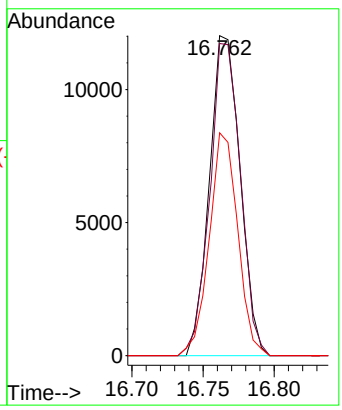




#67
4-Bromophenyl-phenylether
Concen: 4.600 ng
RT: 16.762 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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 :
BNA_G
ClientSampleId :
SSTDICC005

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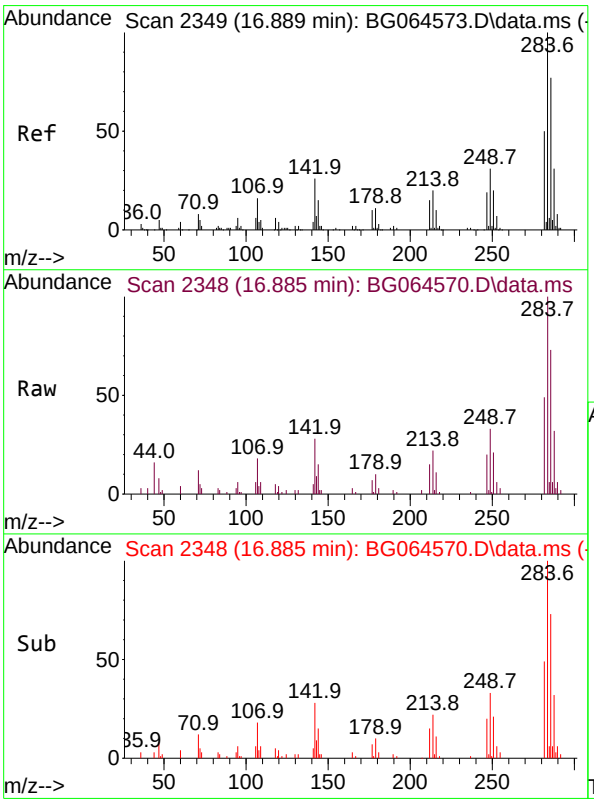
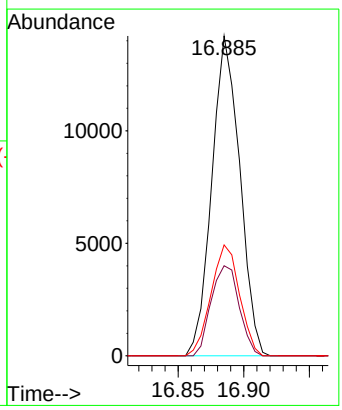
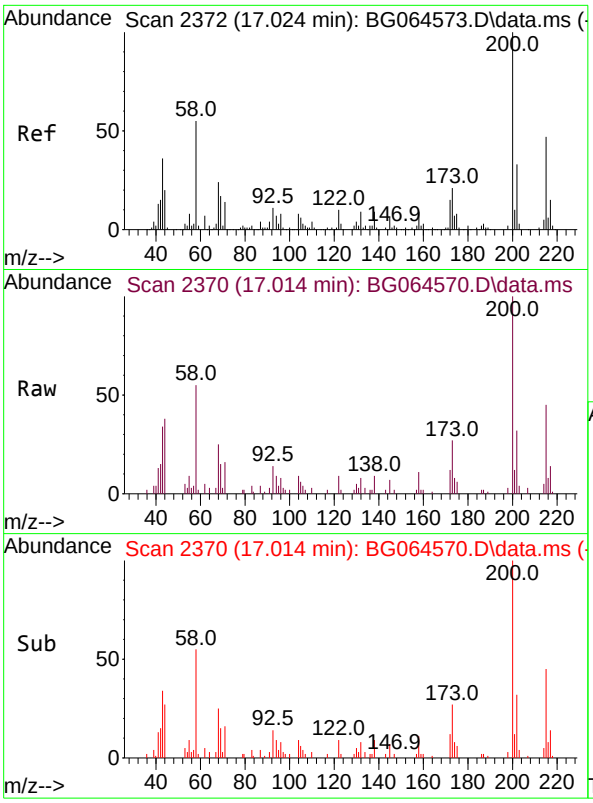


#68
Hexachlorobenzene
Concen: 4.705 ng
RT: 16.885 min Scan# 2348
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

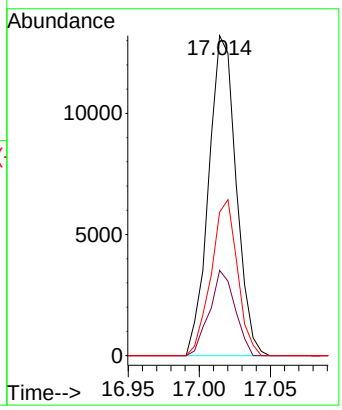




#69
Atrazine
Concen: 4.616 ng
RT: 17.014 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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 :
BNA_G
ClientSampleId :
SSTDICC005

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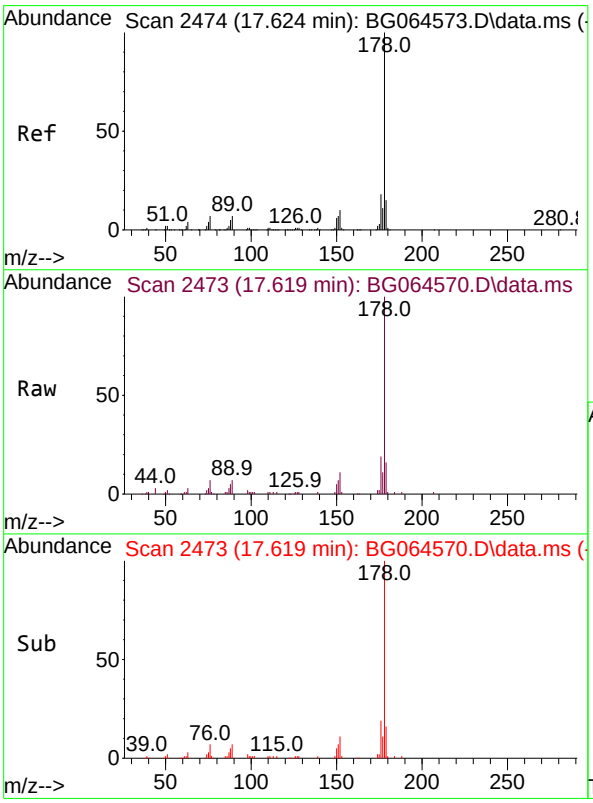
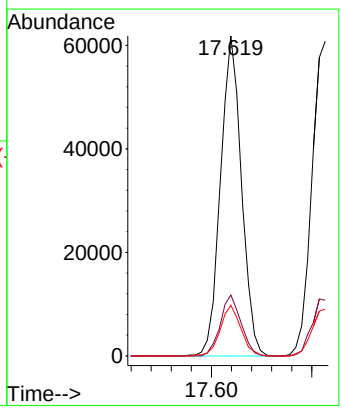
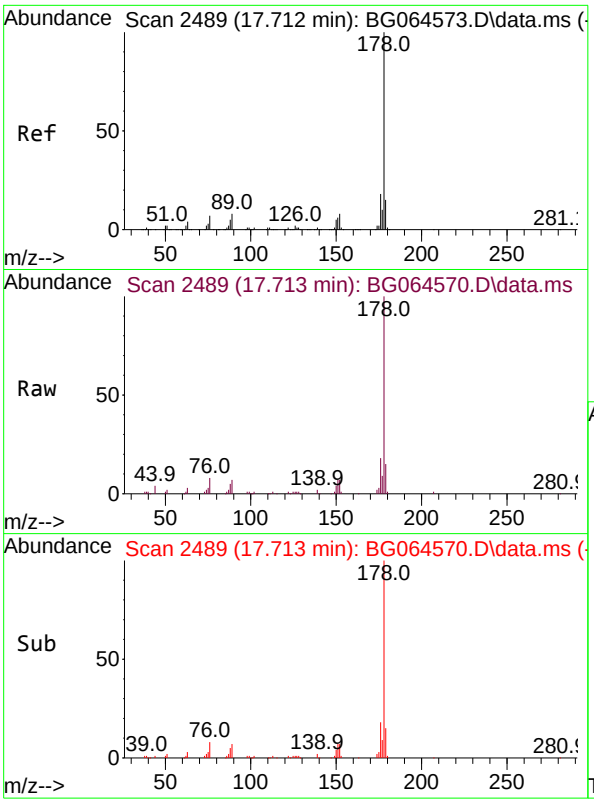


#71
Phenanthrene
Concen: 4.954 ng
RT: 17.619 min Scan# 2473
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

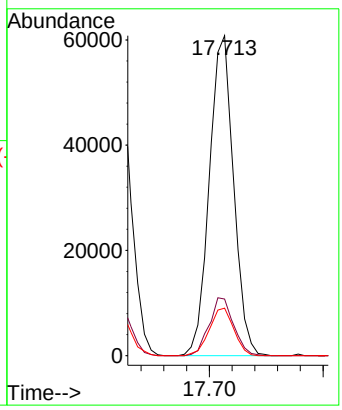




#72
Anthracene
Concen: 4.886 ng
RT: 17.713 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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 :
BNA_G
ClientSampleId :
SSTDICC005

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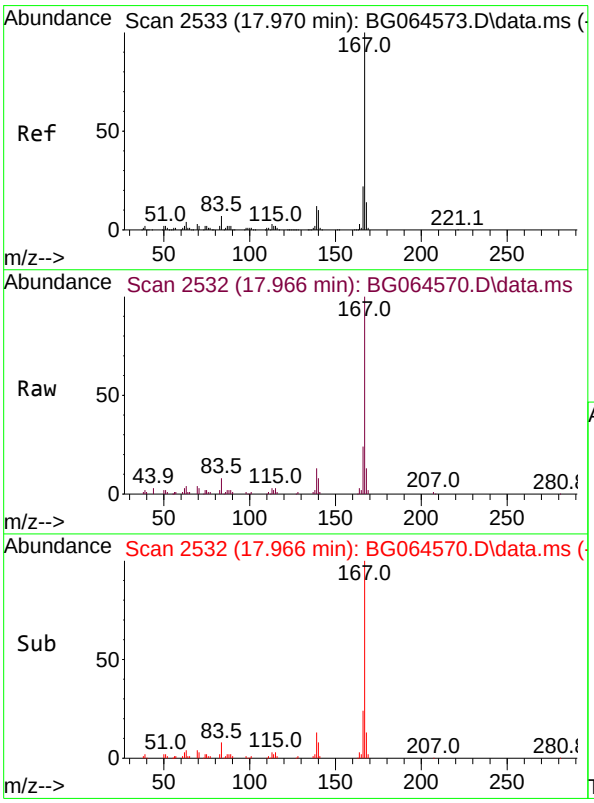
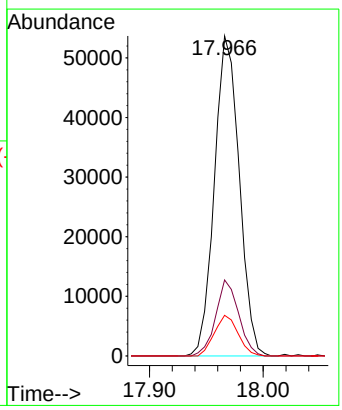
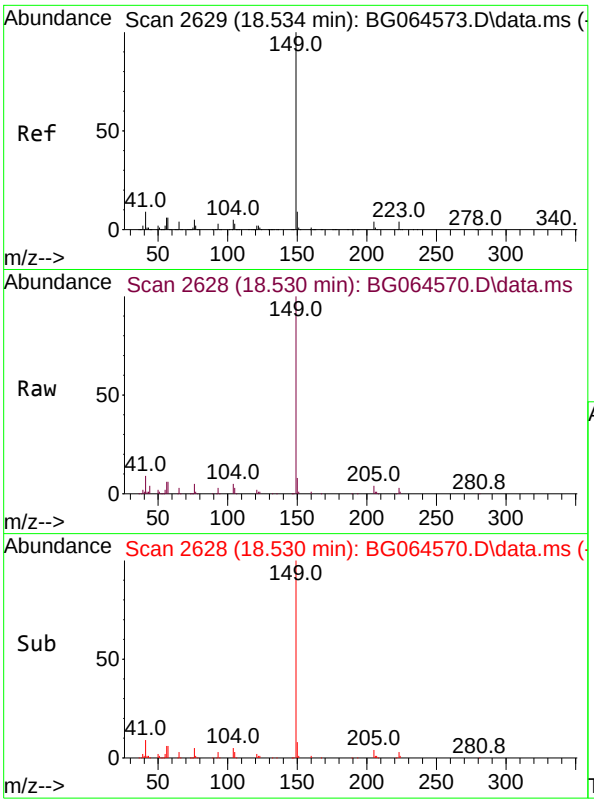


#73
Carbazole
Concen: 5.005 ng
RT: 17.966 min Scan# 2532
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

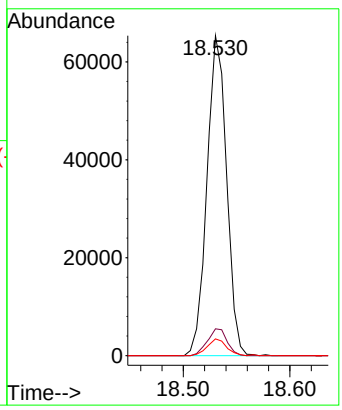




#74
Di-n-butylphthalate
Concen: 4.454 ng
RT: 18.530 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:149 Resp: 8371

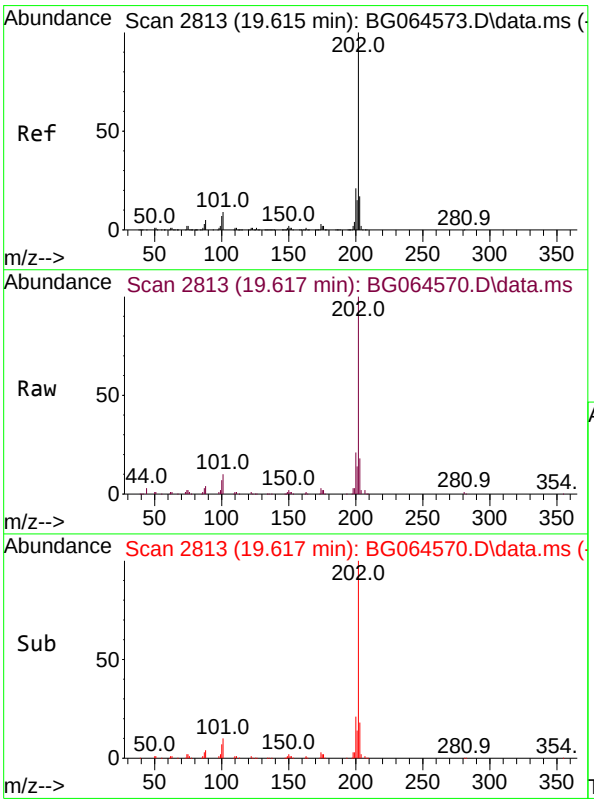
Ion	Ratio	Lower	Upper
149	100		
150	8.4	7.0	10.6
104	5.2	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

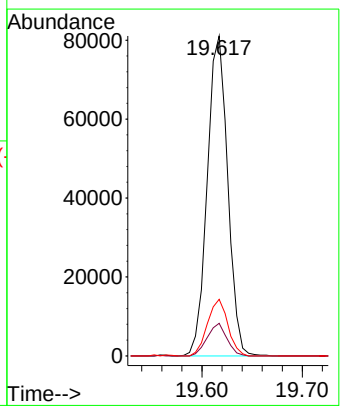
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

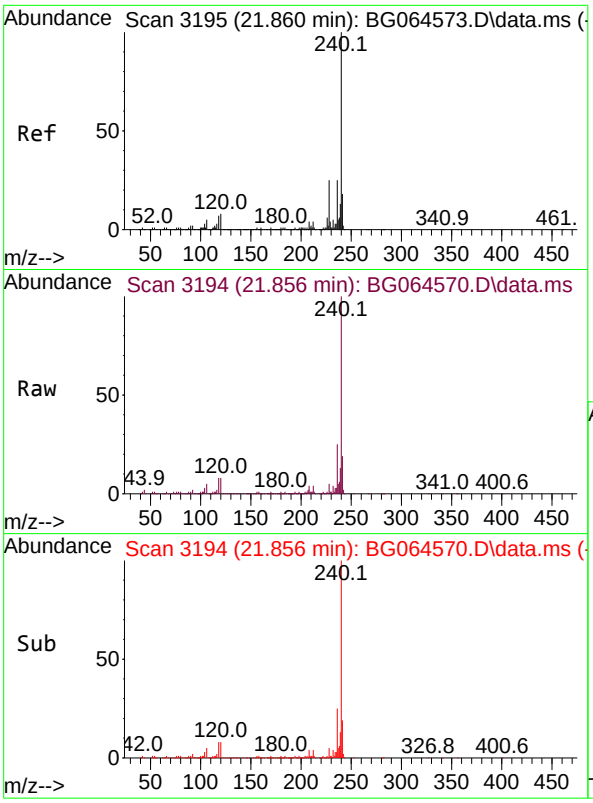


#75
Fluoranthene
Concen: 5.054 ng
RT: 19.617 min Scan# 2813
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

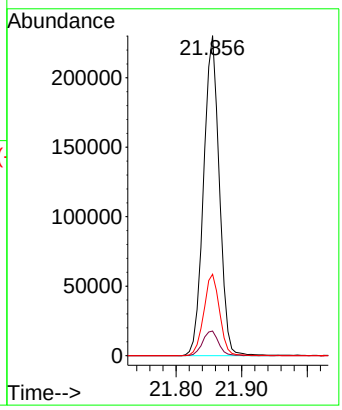




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.856 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:240 Resp: 38138

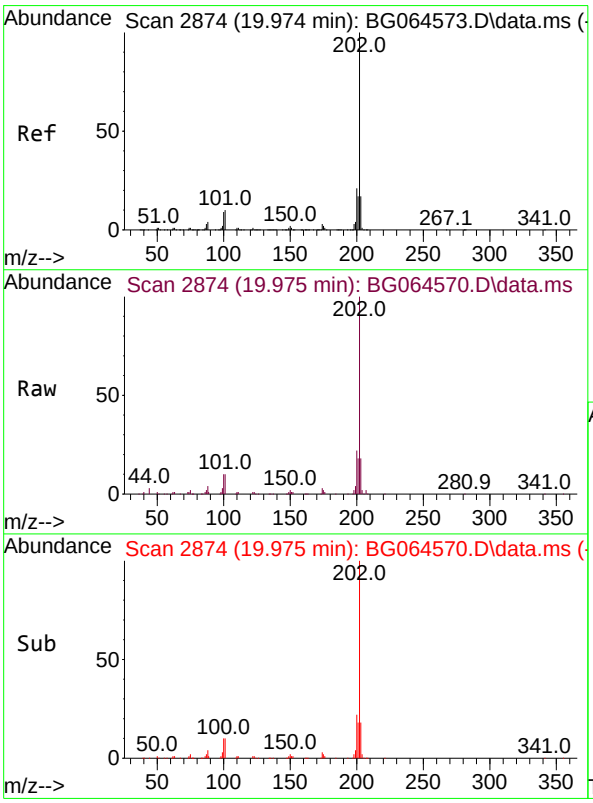
Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.5	9.7
236	25.4	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

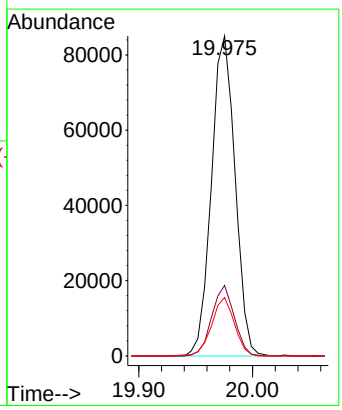
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

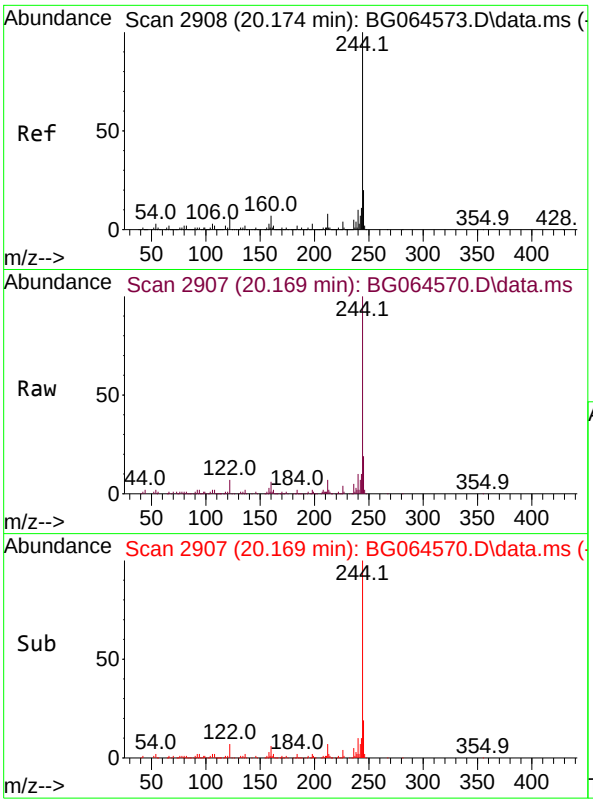


#78
Pyrene
Concen: 4.923 ng
RT: 19.975 min Scan# 2874
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

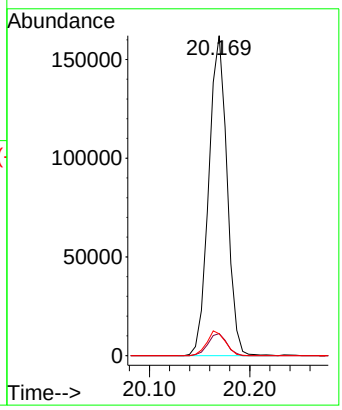




#79
Terphenyl-d14
Concen: 10.130 ng
RT: 20.169 min Scan# 29
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:244 Resp: 204719

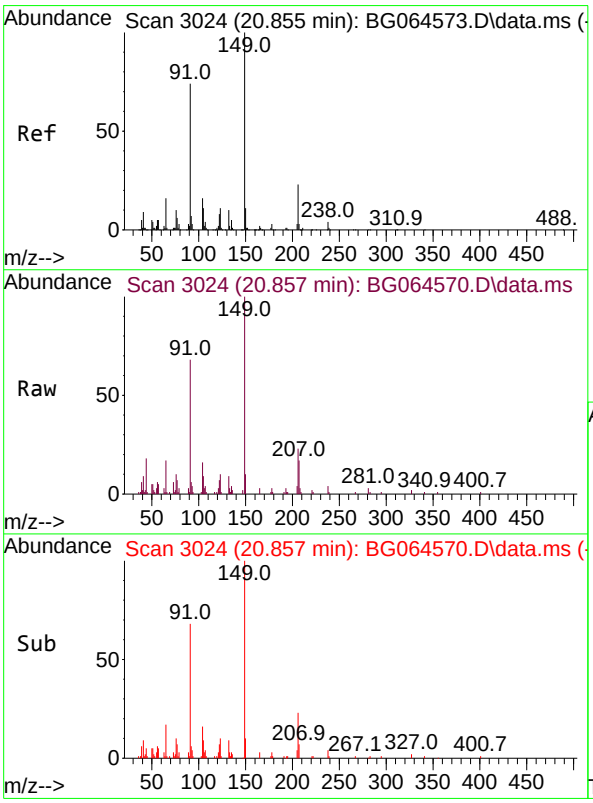
Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.1	9.1
122	6.8	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

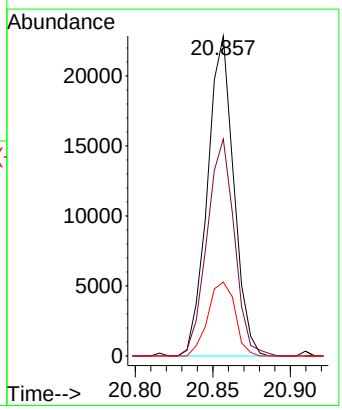
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

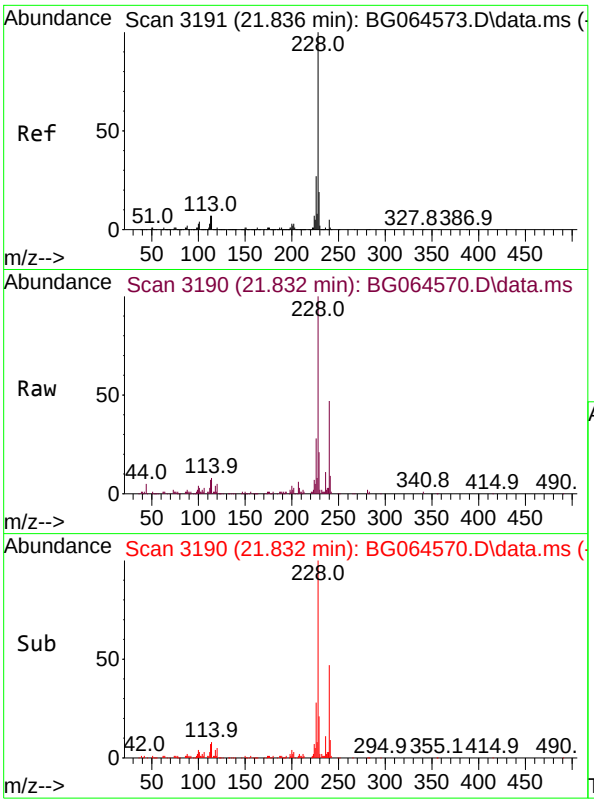


#80
Butylbenzylphthalate
Concen: 3.595 ng
RT: 20.857 min Scan# 3024
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

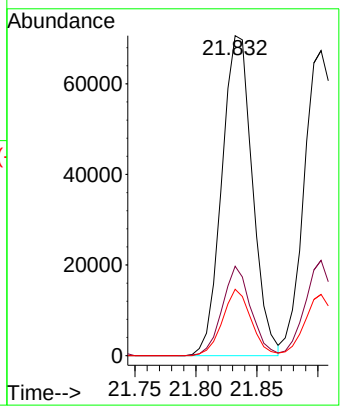




#81
Benzo(a)anthracene
Concen: 4.878 ng
RT: 21.832 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

Manual Integrations
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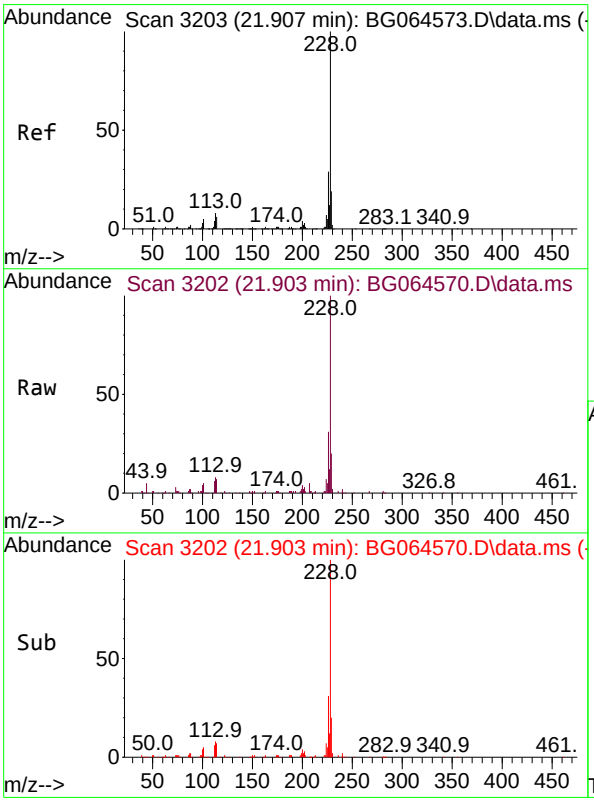
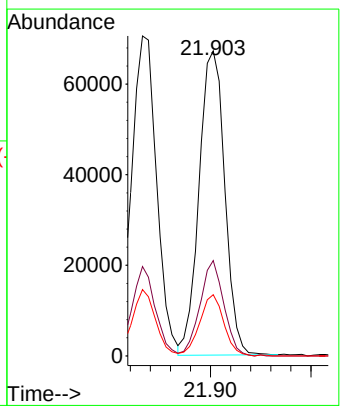
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

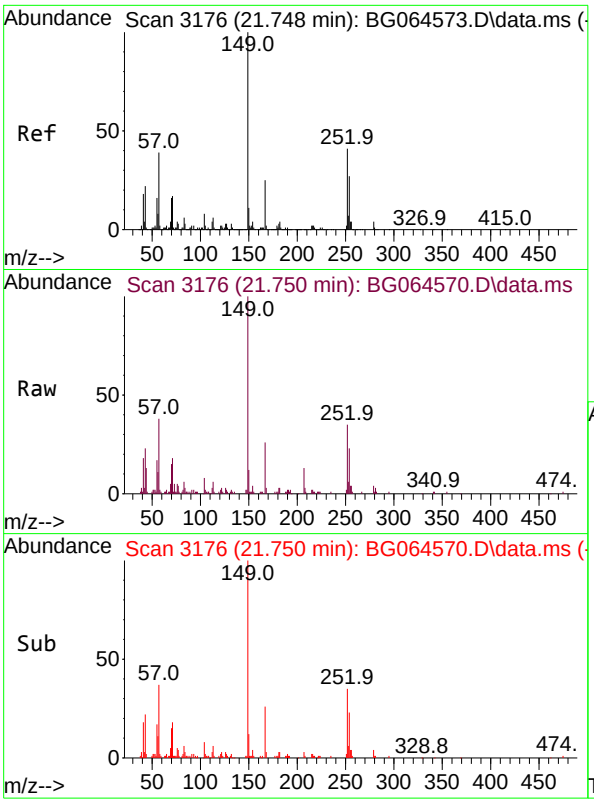


#83
Chrysene
Concen: 4.949 ng
RT: 21.903 min Scan# 3202
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

Manual Integrations
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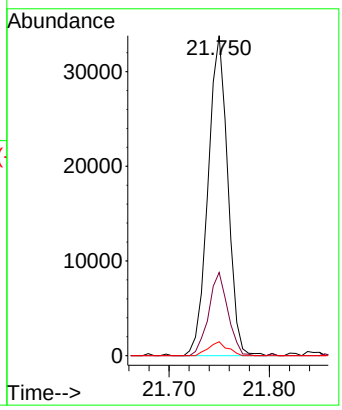
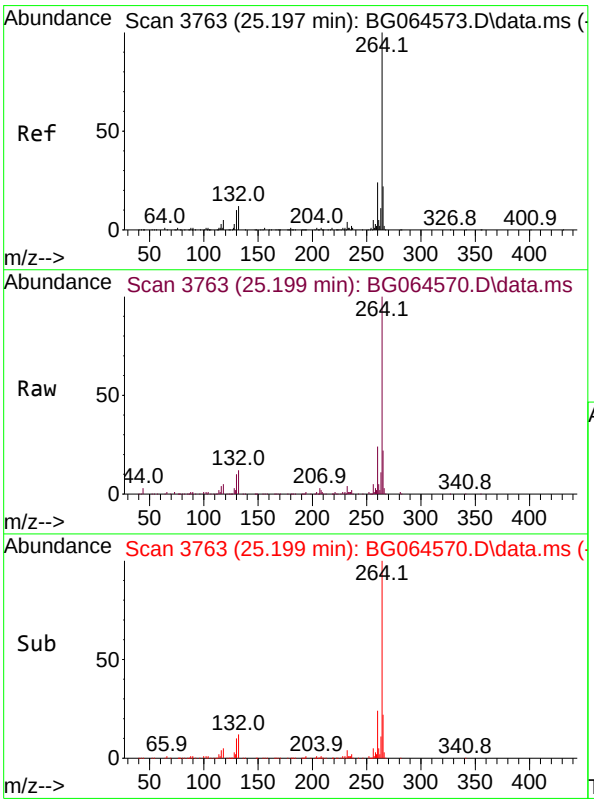
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

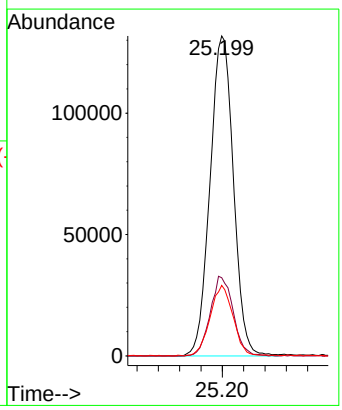


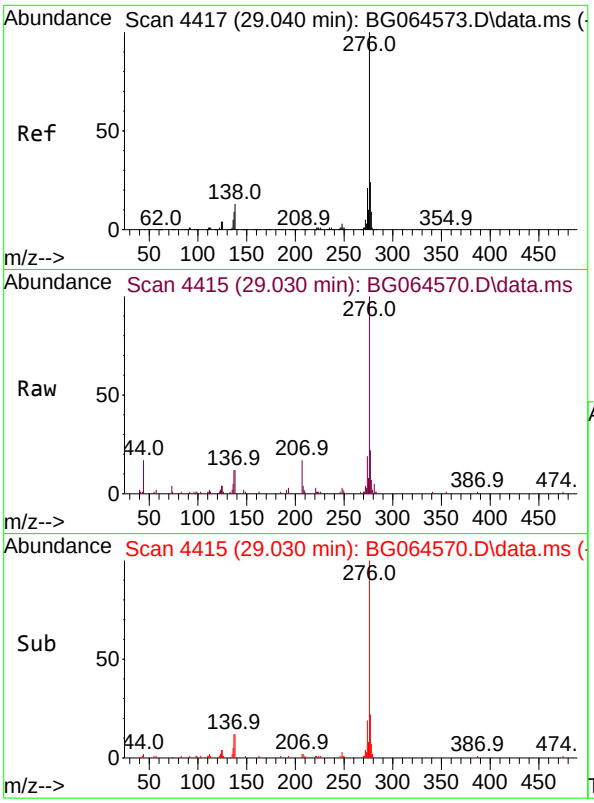


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.199 min Scan# 3763
Delta R.T. 0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

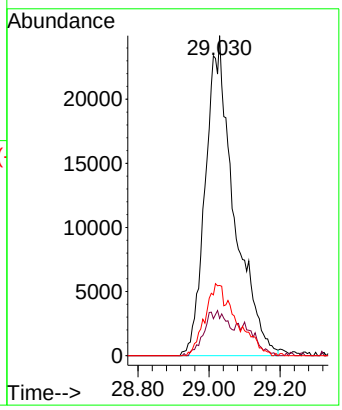




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.700 ng
RT: 29.030 min Scan# 44
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:276 Resp: 13875

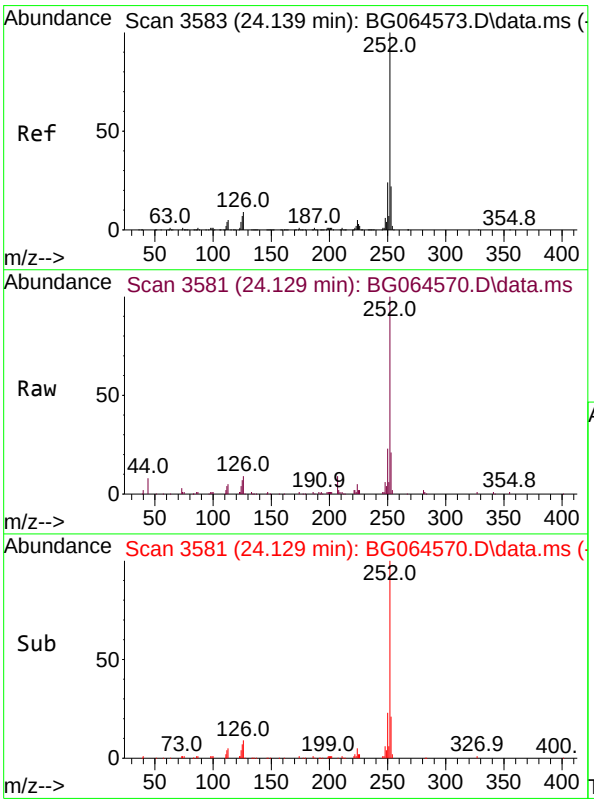
Ion	Ratio	Lower	Upper
276	100		
138	0.0	10.8	16.2#
277	24.6	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

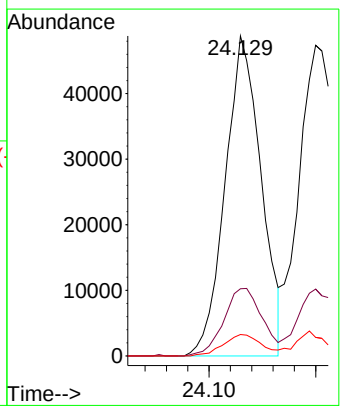
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

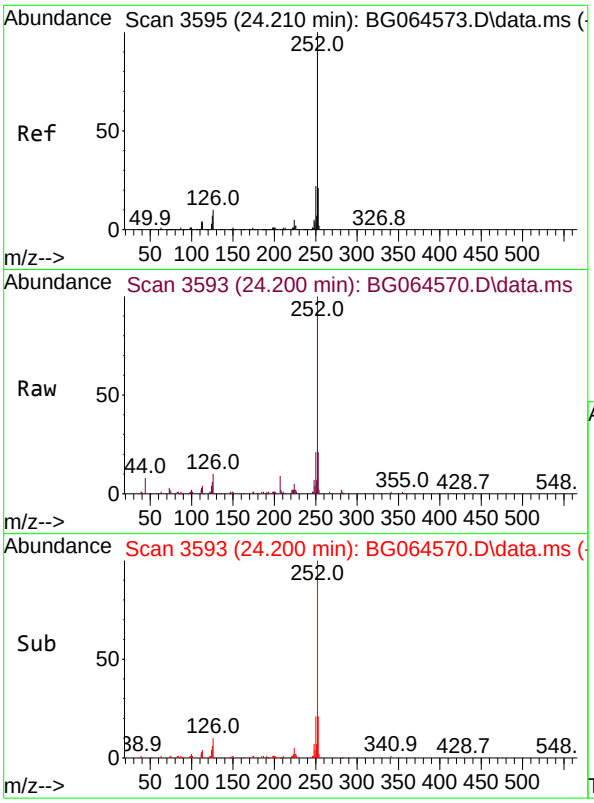


#88
Benzo(b)fluoranthene
Concen: 4.640 ng
RT: 24.129 min Scan# 3581
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

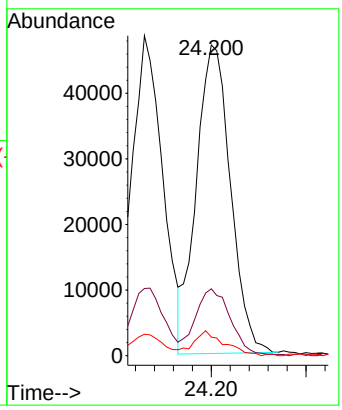




#89
Benzo(k)fluoranthene
Concen: 4.787 ng
RT: 24.200 min Scan# 3
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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
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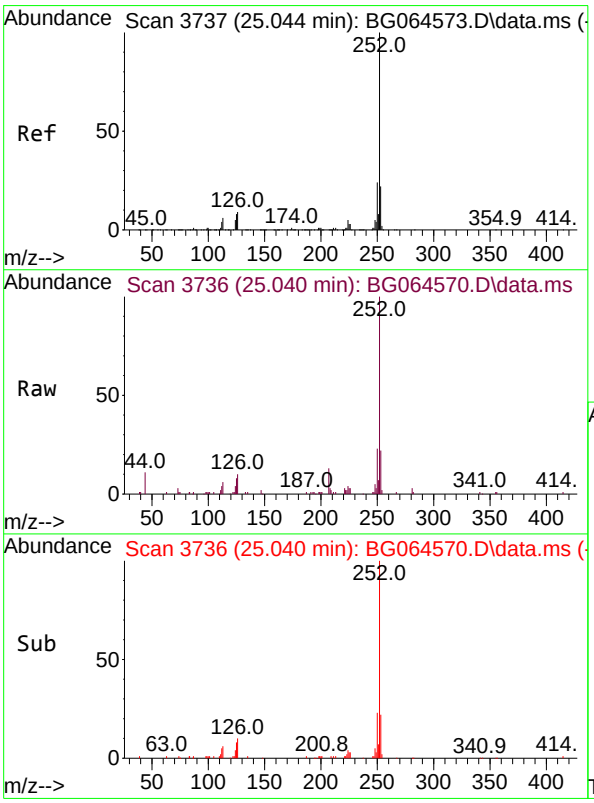
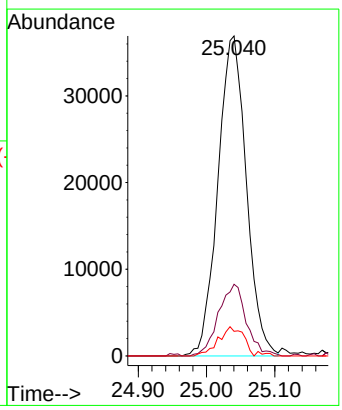
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

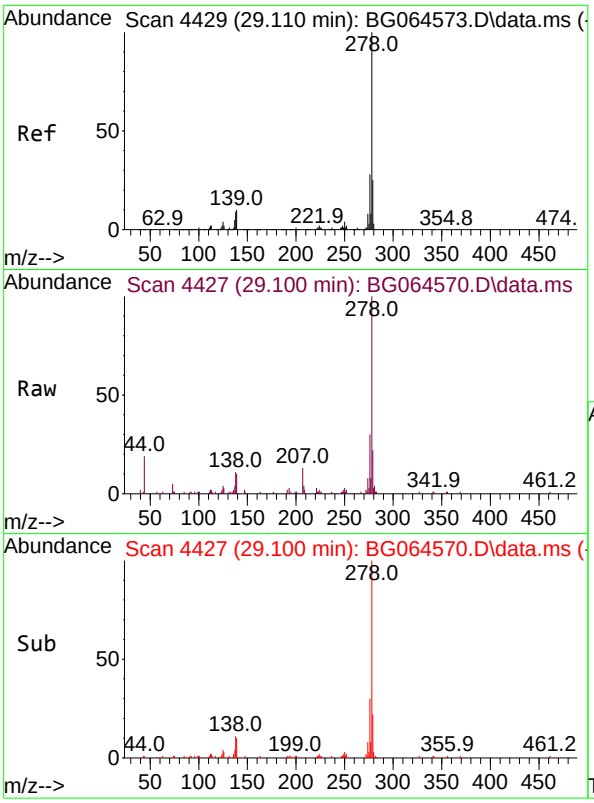


#90
Benzo(a)pyrene
Concen: 4.704 ng
RT: 25.040 min Scan# 3736
Delta R.T. -0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

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

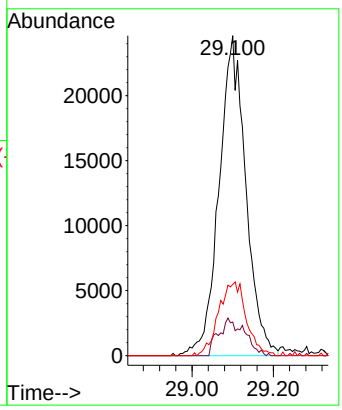




#91
Dibenzo(a,h)anthracene
Concen: 4.686 ng
RT: 29.100 min Scan# 44
Delta R.T. -0.010 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:278 Resp: 112398

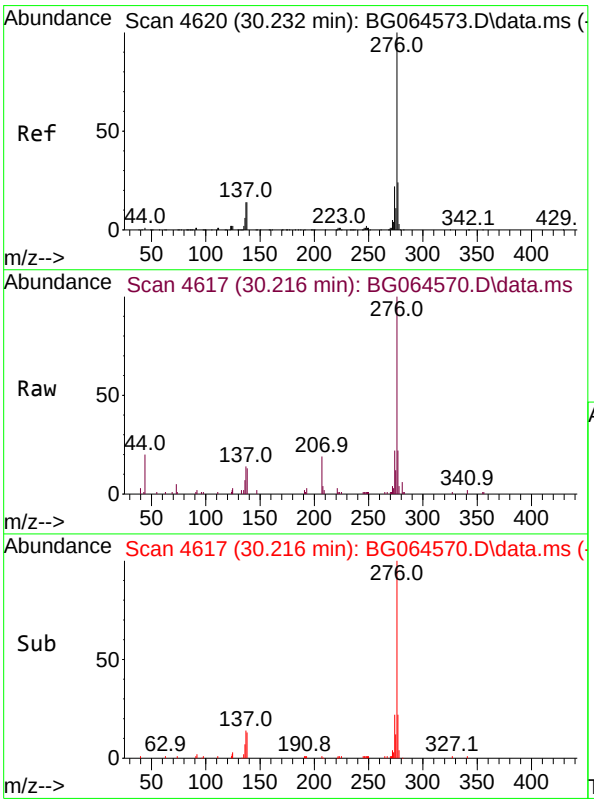
Ion	Ratio	Lower	Upper
278	100		
139	10.5	8.0	12.0
279	22.2	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

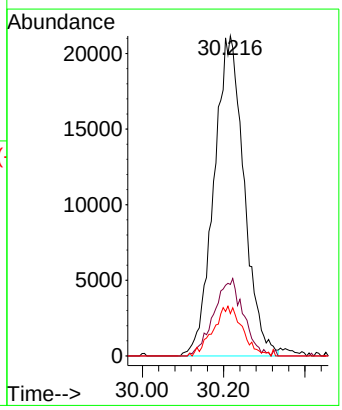
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 4.731 ng
RT: 30.216 min Scan# 4617
Delta R.T. -0.016 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:276 Resp: 108407

Ion	Ratio	Lower	Upper
276	100		
277	22.3	19.1	28.7
138	13.2	11.3	16.9



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

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 17:59:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

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	7.618	93	25594	10.600	ng		91
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	8.647	107	22254	10.206	ng		97
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	9.879	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	10748m	10.637	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	10.540	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

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 17:59:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

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	30.210	276	206153	10.173	ng		98

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

ICAL Form

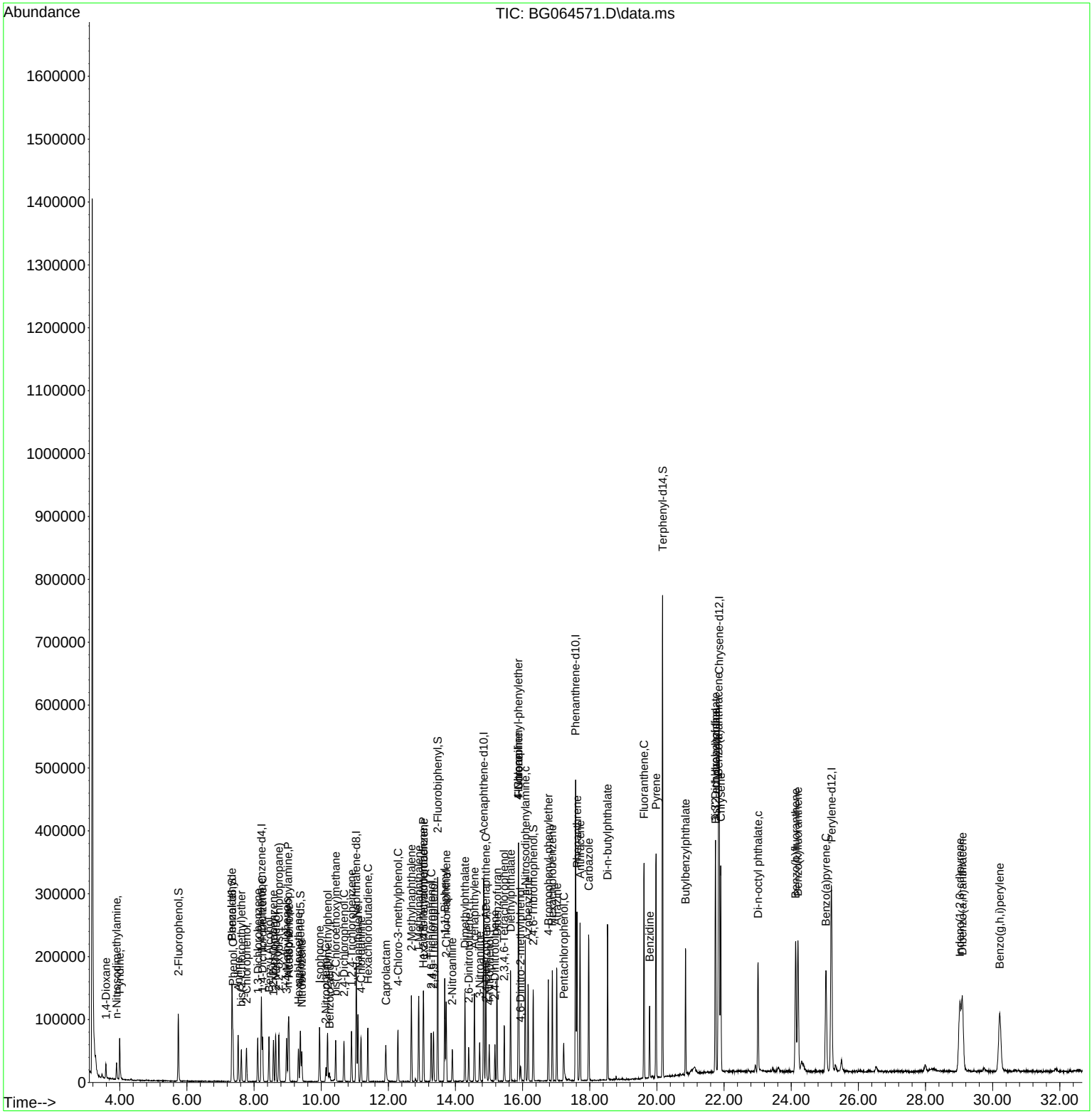
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064571.D
Acq On : 24 Oct 2025 11:02
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

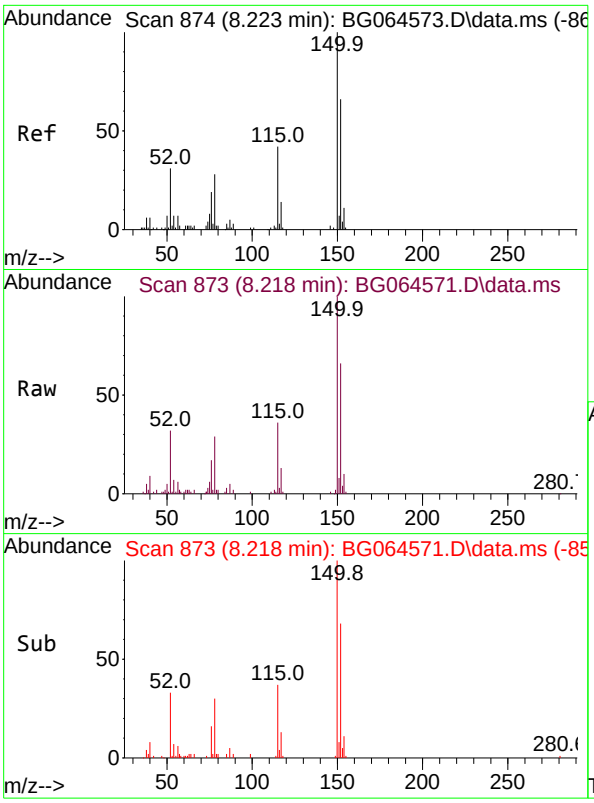
Quant Time: Nov 03 17:59:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

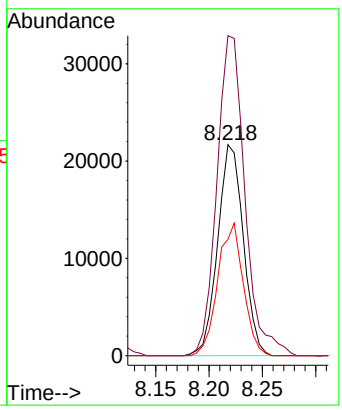




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:152 Resp: 3632

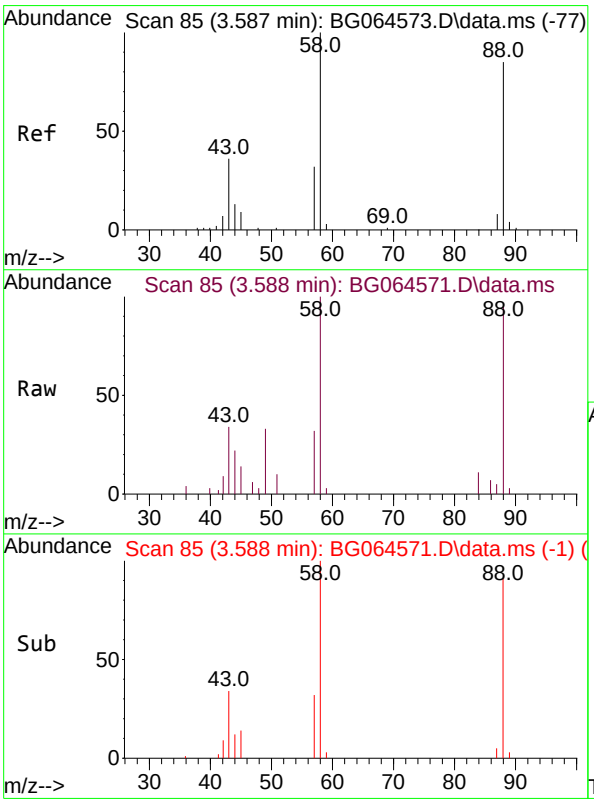
Ion	Ratio	Lower	Upper
152	100		
150	151.7	122.2	183.4
115	55.1	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

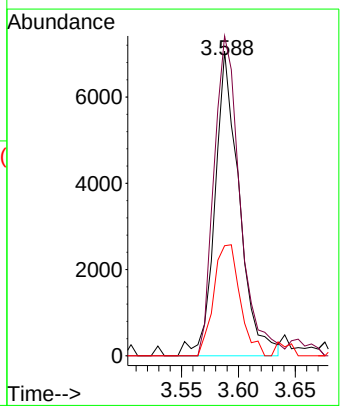
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

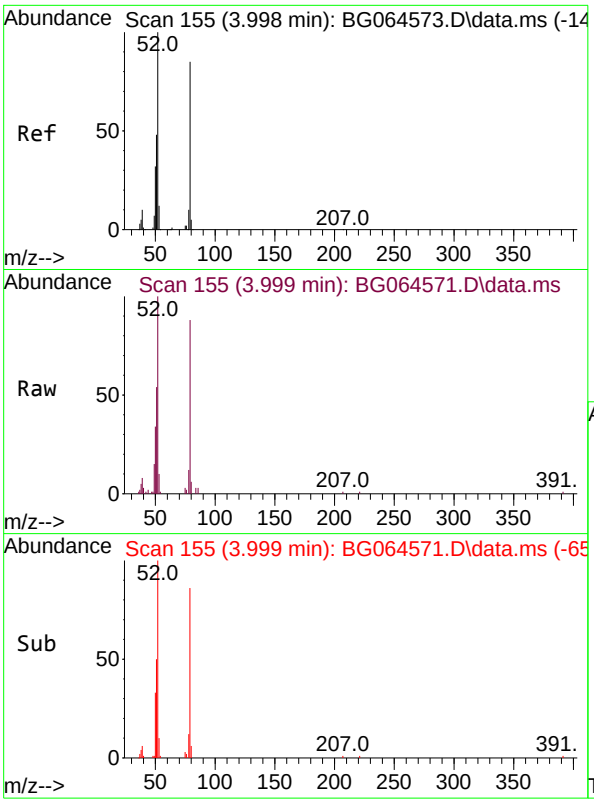


#2
1,4-Dioxane
Concen: 11.006 ng
RT: 3.588 min Scan# 85
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

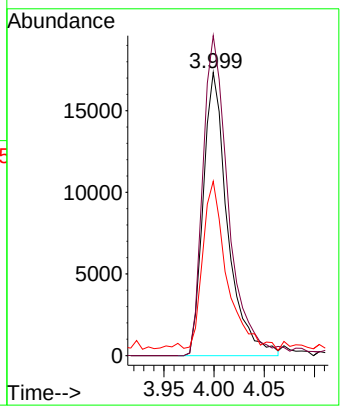




#3
Pyridine
Concen: 10.148 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 79 Resp: 2919

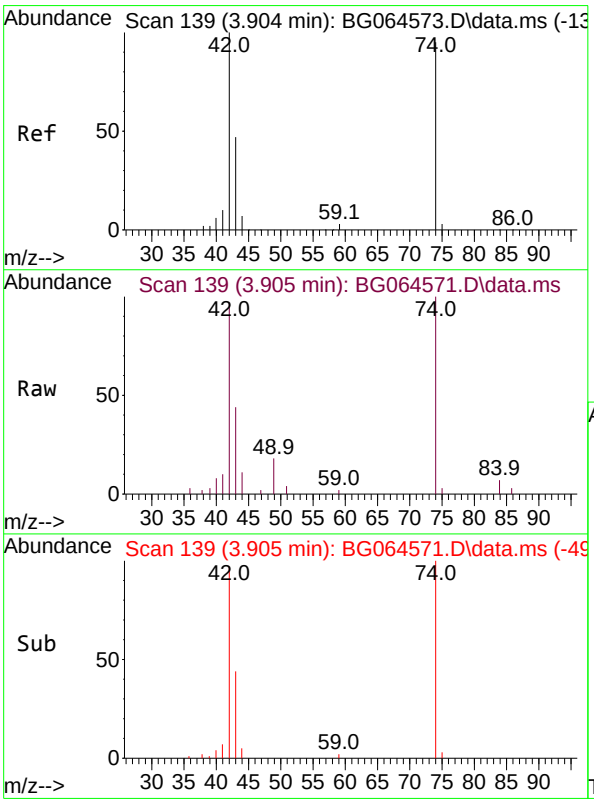
Ion	Ratio	Lower	Upper
79	100		
52	113.0	94.2	141.2
51	61.6	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

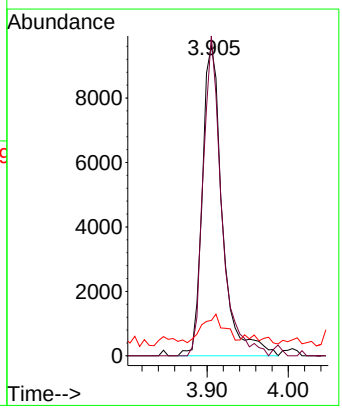
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

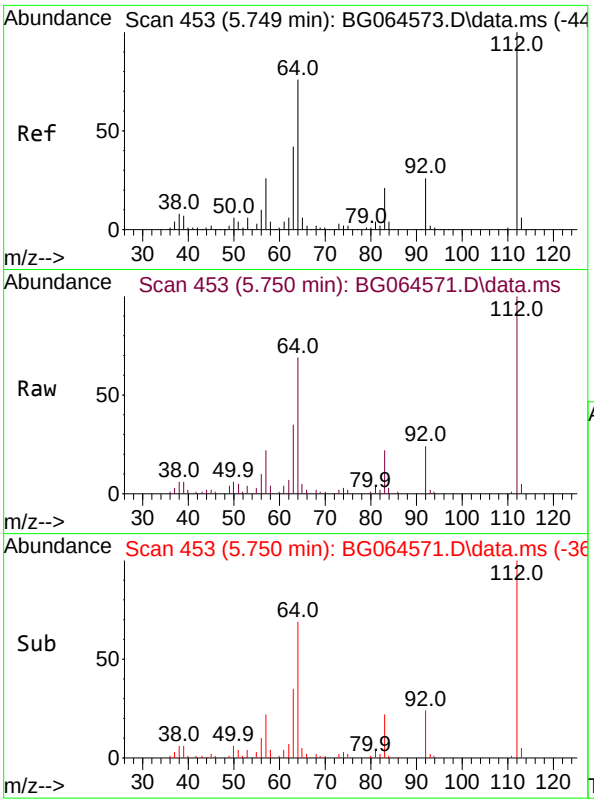


#4
n-Nitrosodimethylamine
Concen: 10.733 ng
RT: 3.905 min Scan# 139
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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#

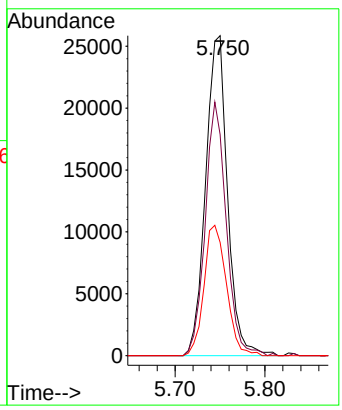




#5
2-Fluorophenol
Concen: 20.257 ng
RT: 5.750 min Scan# 4
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:112 Resp: 4383

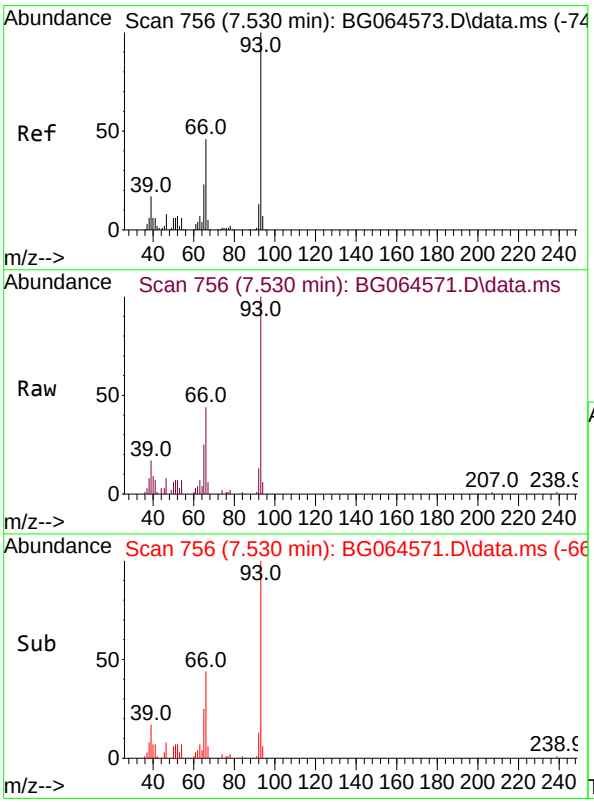
Ion	Ratio	Lower	Upper
112	100		
64	69.1	60.7	91.1
63	35.4	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

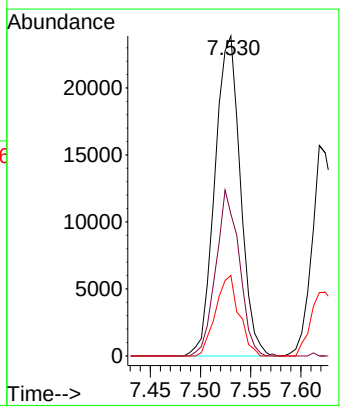
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

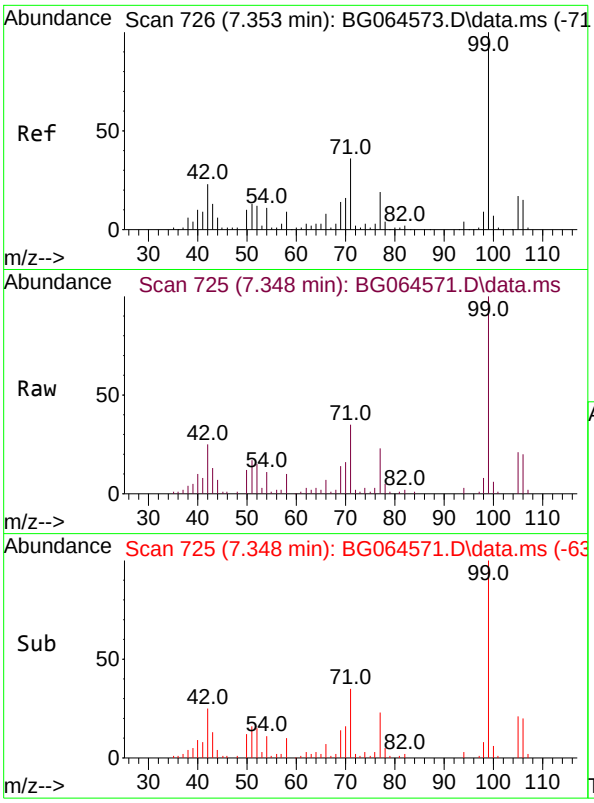


#6
Aniline
Concen: 10.427 ng
RT: 7.530 min Scan# 756
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

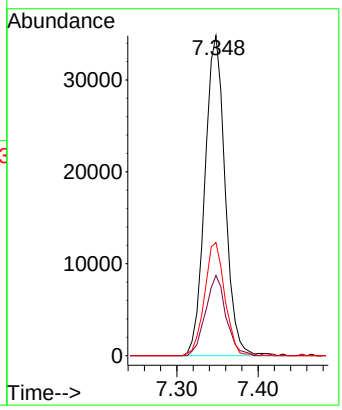




#7
Phenol-d6
Concen: 20.233 ng
RT: 7.348 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 99 Resp: 6008

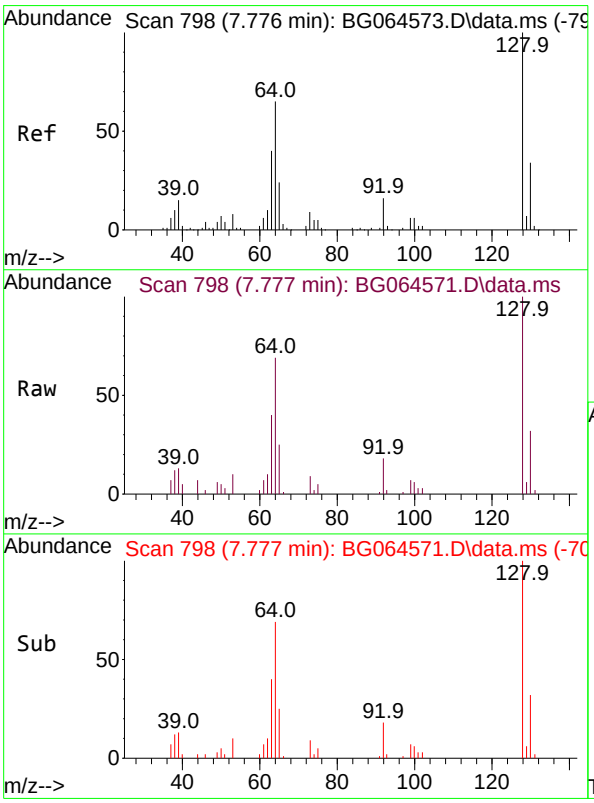
Ion	Ratio	Lower	Upper
99	100		
42	25.0	18.3	27.5
71	35.3	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

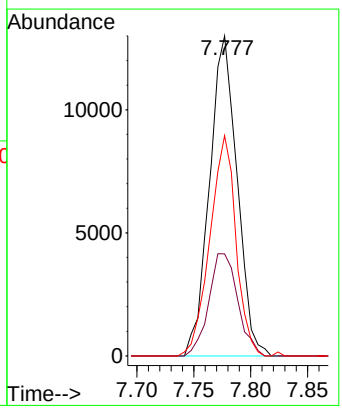
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

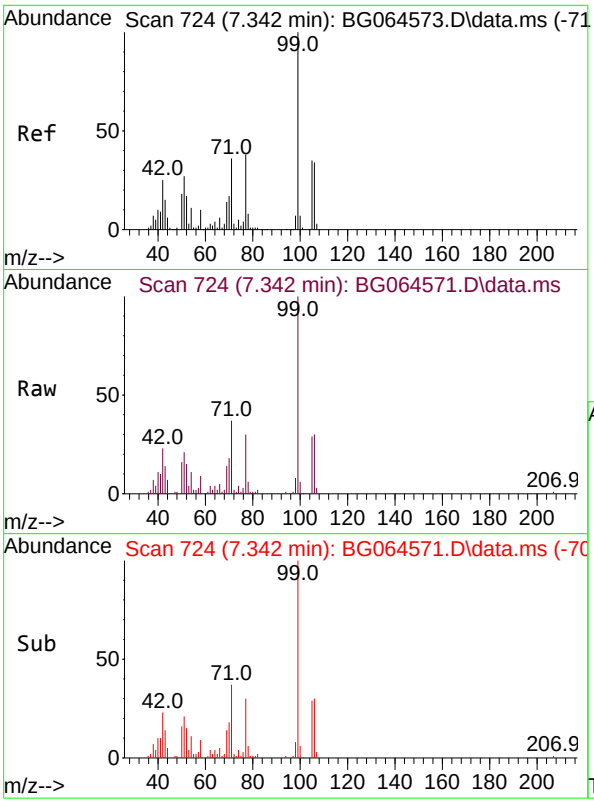


#8
2-Chlorophenol
Concen: 9.678 ng
RT: 7.777 min Scan# 798
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

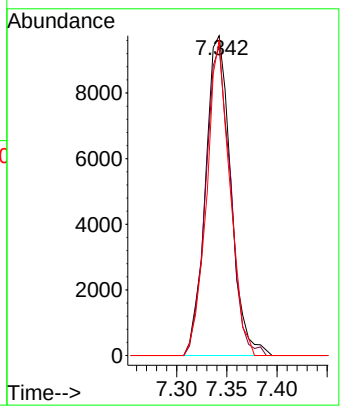




#9
Benzaldehyde
Concen: 10.558 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 77 Resp: 1711

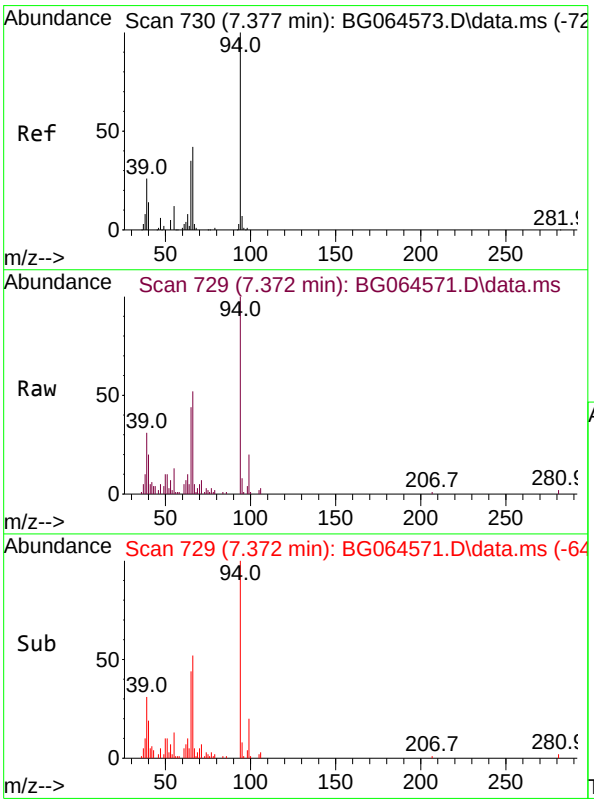
Ion	Ratio	Lower	Upper
77	100		
105	96.5	72.9	112.9
106	98.4	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

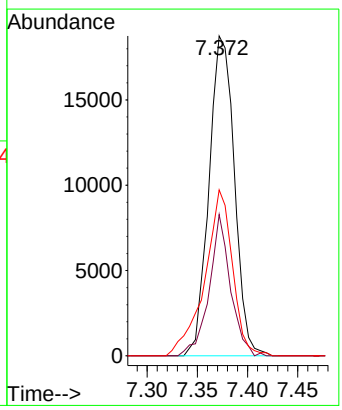
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

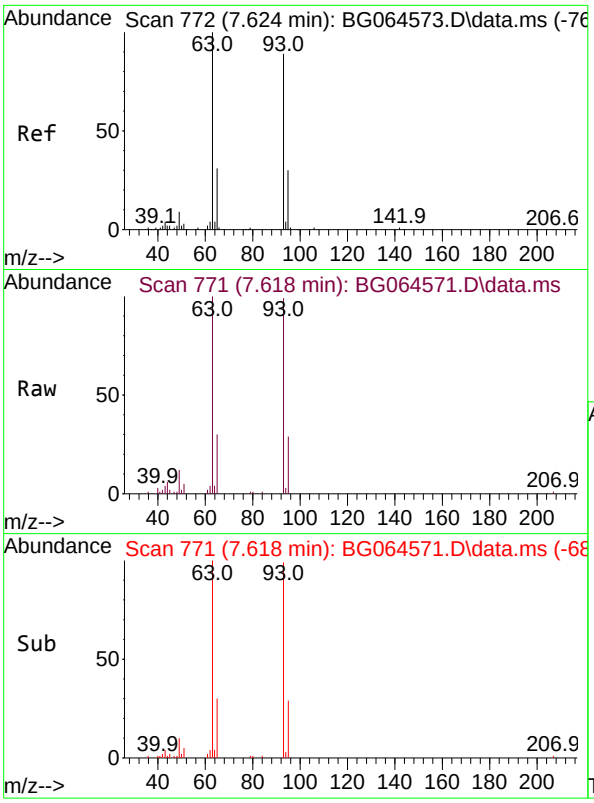


#10
Phenol
Concen: 10.066 ng
RT: 7.372 min Scan# 729
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

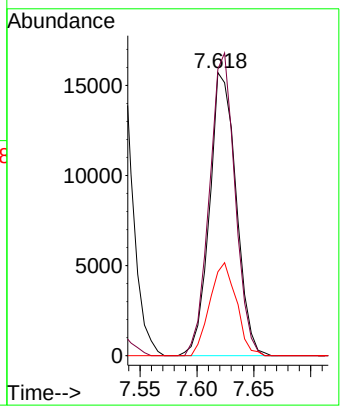




#11
bis(2-Chloroethyl)ether
Concen: 10.600 ng
RT: 7.618 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 93 Resp: 2559

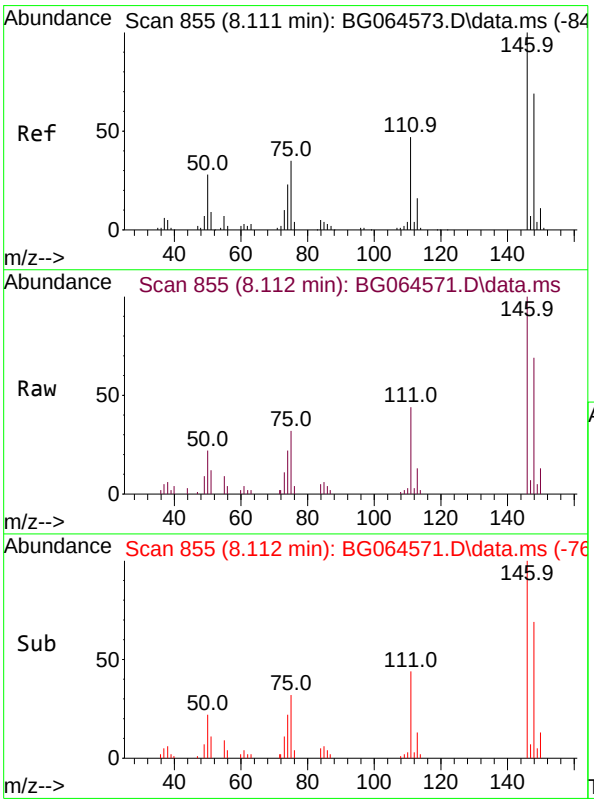
Ion	Ratio	Lower	Upper
93	100		
63	101.2	91.3	131.3
95	29.6	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

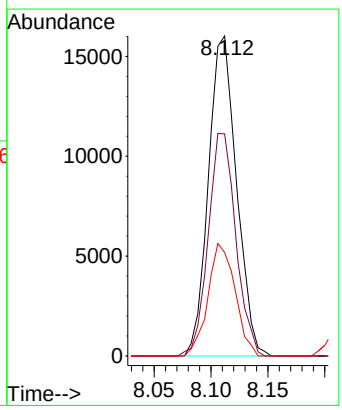
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

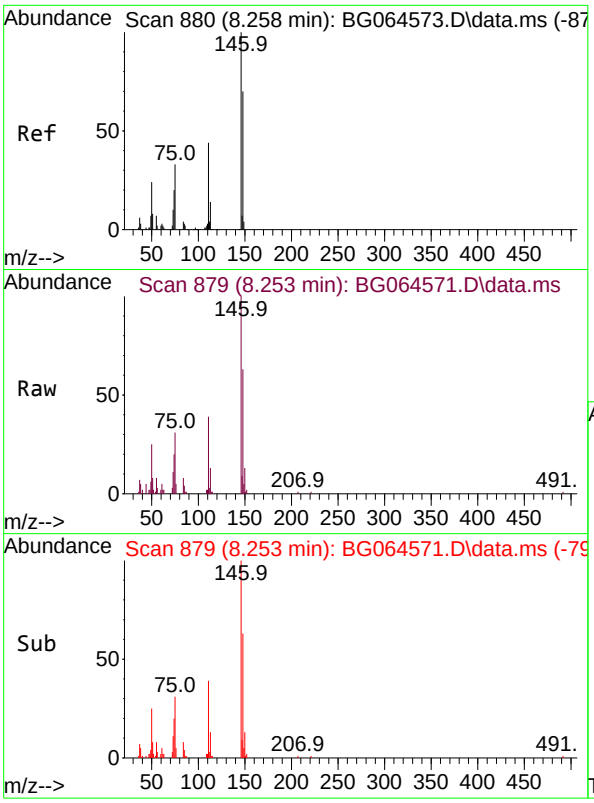


#12
1,3-Dichlorobenzene
Concen: 10.562 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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. -0.005 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 :
SSTDICC010

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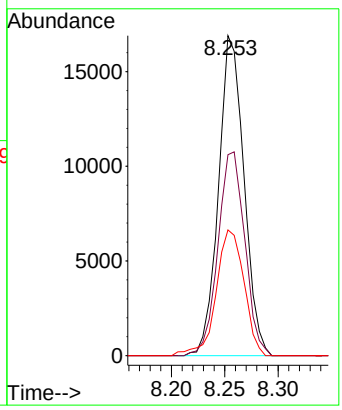
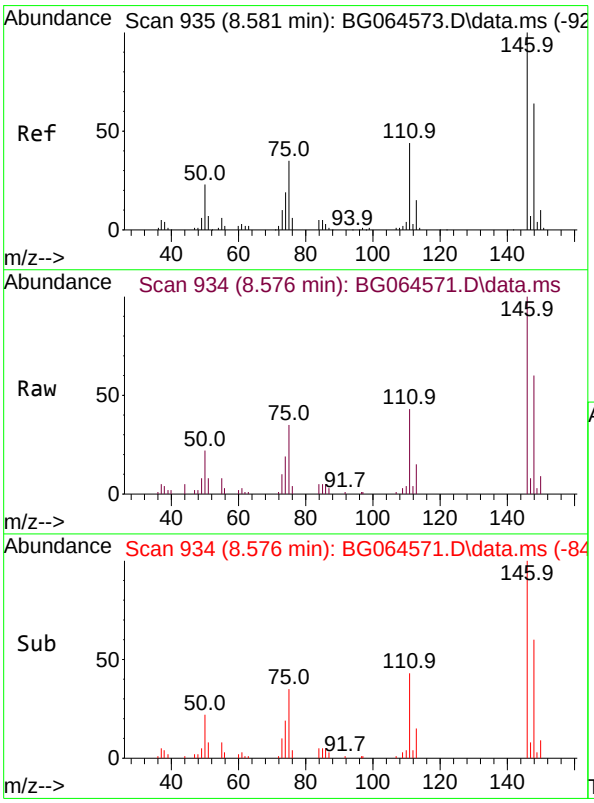
Supervised By :mohammad ahmed 11/05/2025

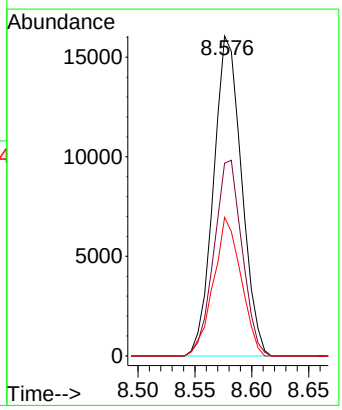


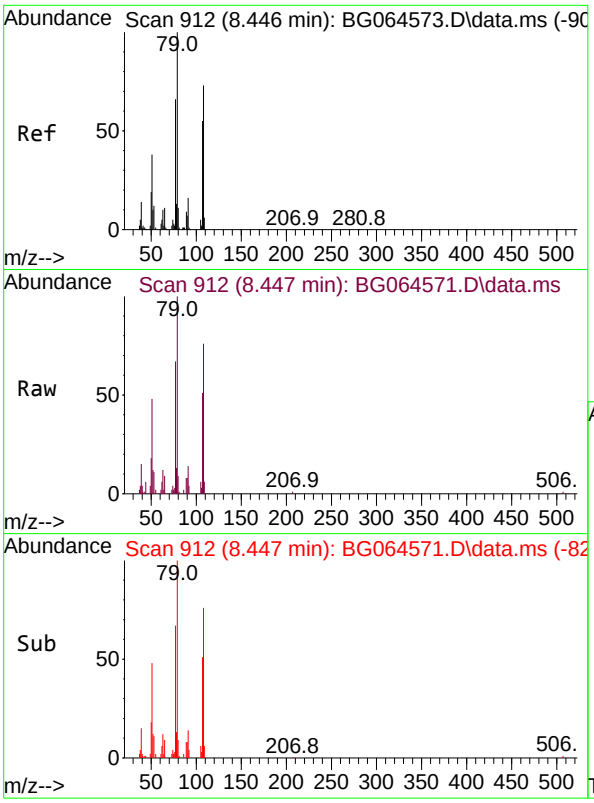


#14
1,2-Dichlorobenzene
Concen: 10.785 ng
RT: 8.576 min Scan# 934
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

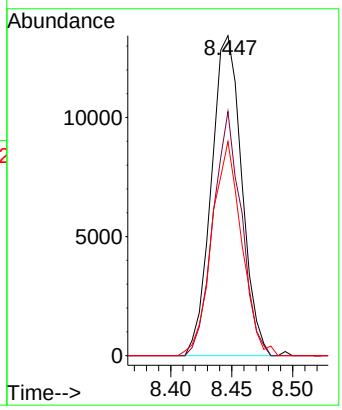




#15
Benzyl Alcohol
Concen: 9.500 ng
RT: 8.447 min Scan# 91
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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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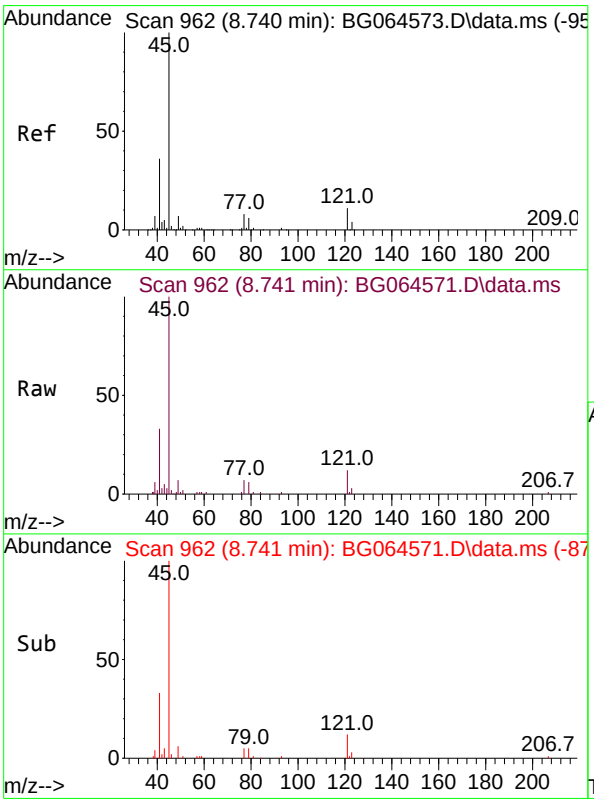
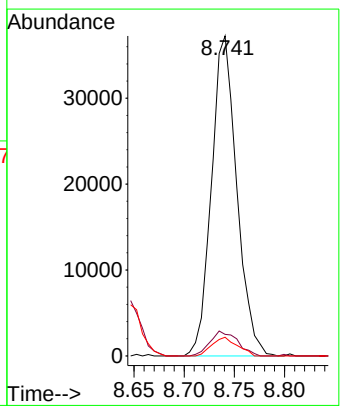
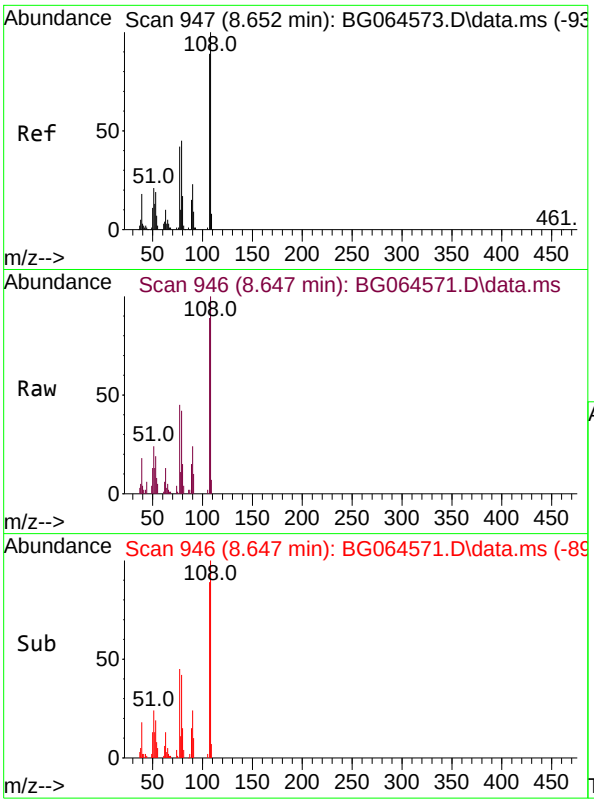


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.334 ng
RT: 8.741 min Scan# 962
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

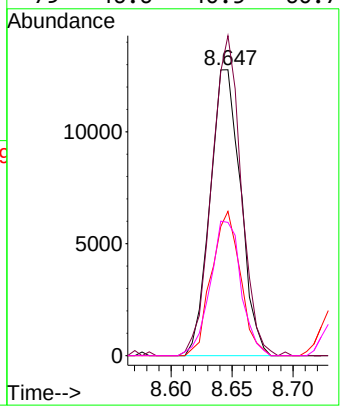




#17
2-Methylphenol
Concen: 10.206 ng
RT: 8.647 min Scan# 94
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:107 Resp: 2225

Ion	Ratio	Lower	Upper
107	100		
108	111.9	90.0	135.0
77	50.5	37.8	56.8
79	46.6	40.5	60.7



Instrument :
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ClientSampleId :
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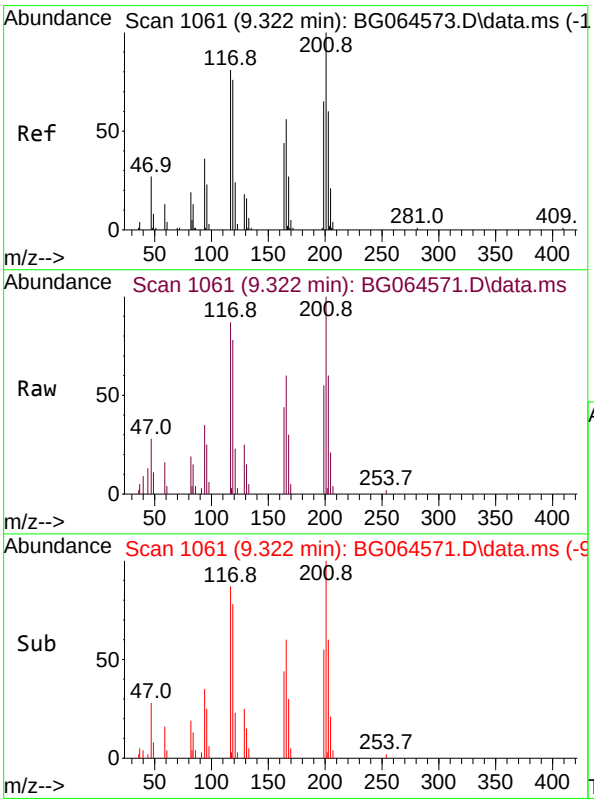
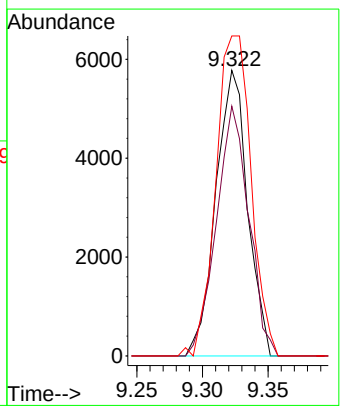
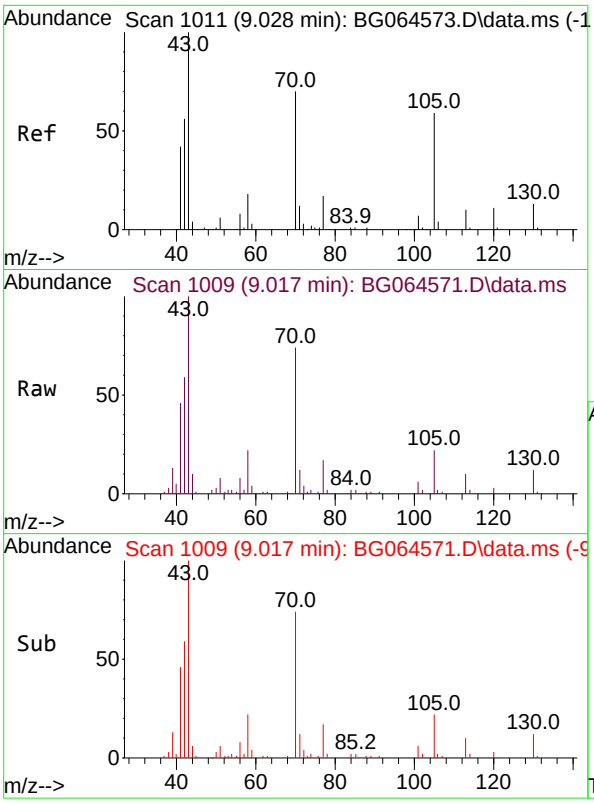


#18
Hexachloroethane
Concen: 10.452 ng
RT: 9.322 min Scan# 1061
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

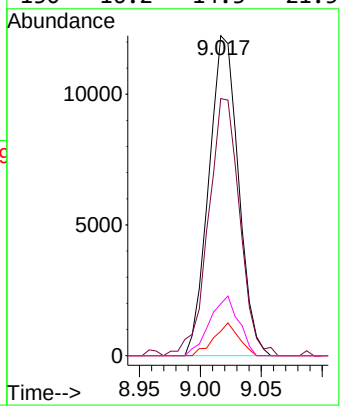




#19
n-Nitroso-di-n-propylamine
Concen: 10.098 ng
RT: 9.017 min Scan# 10
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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 :
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ClientSampleId :
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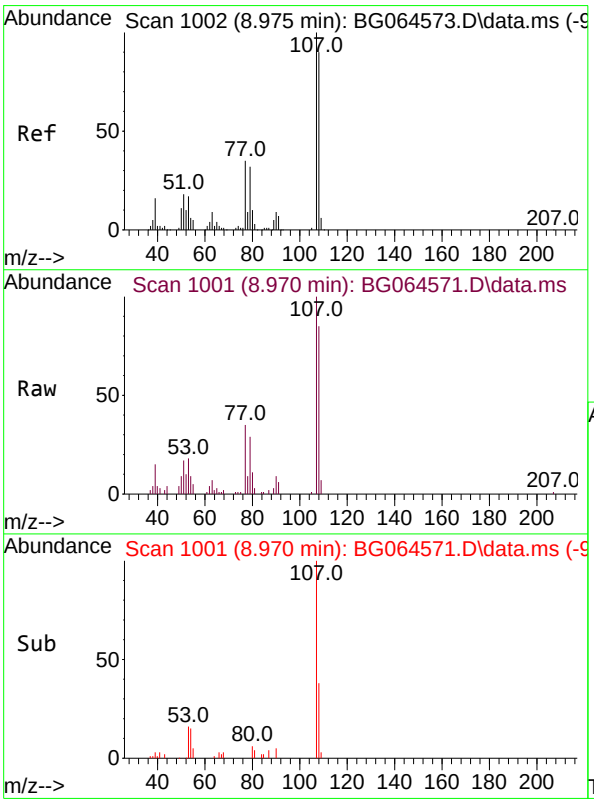
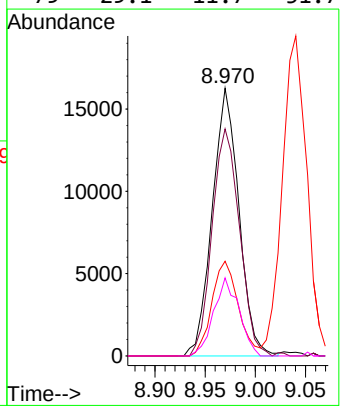
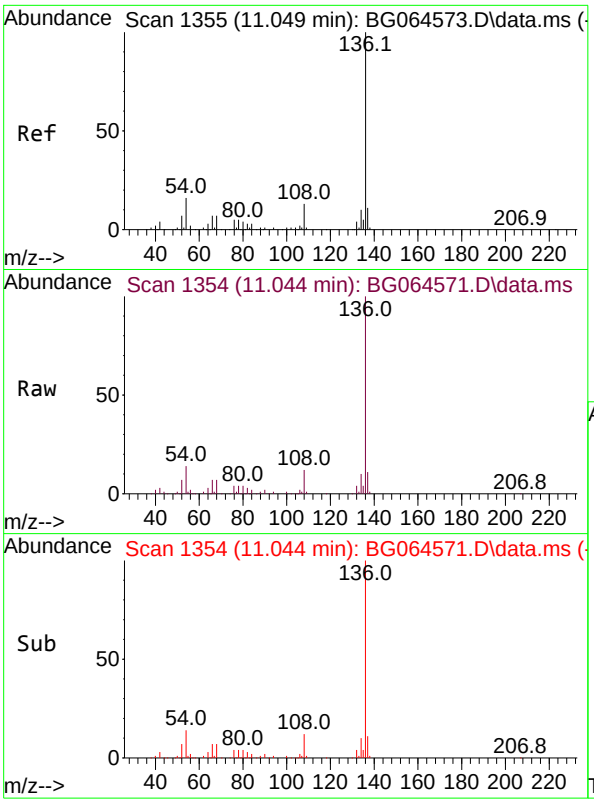


#20
3+4-Methylphenols
Concen: 9.786 ng
RT: 8.970 min Scan# 1001
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

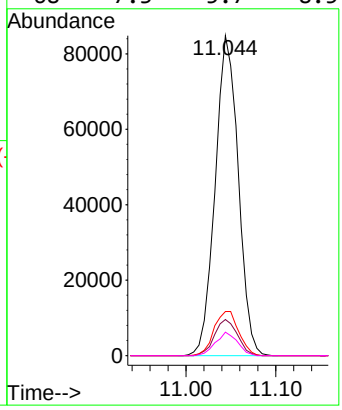




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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 :
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ClientSampleId :
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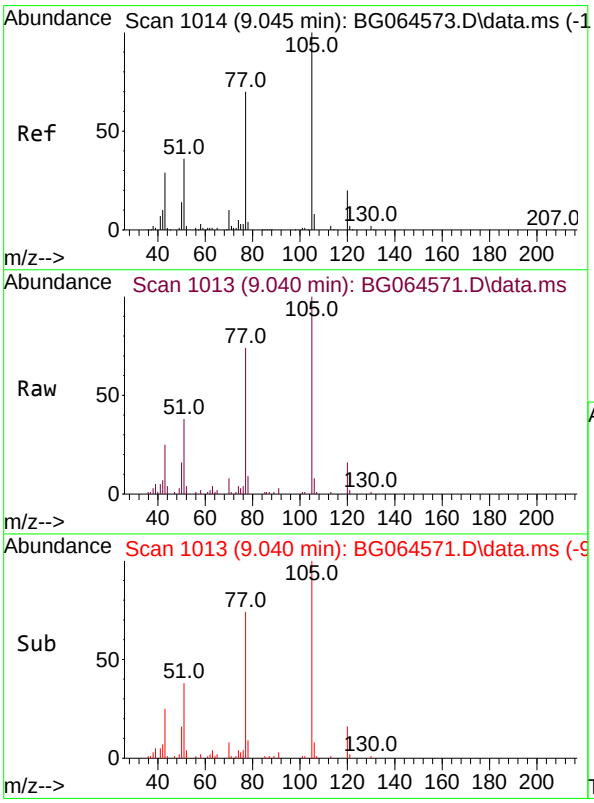
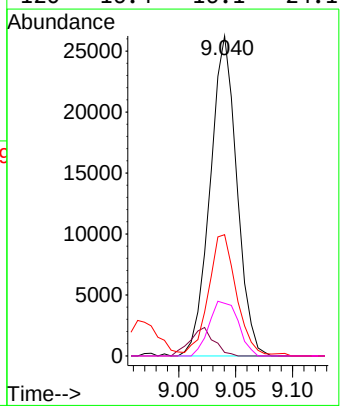
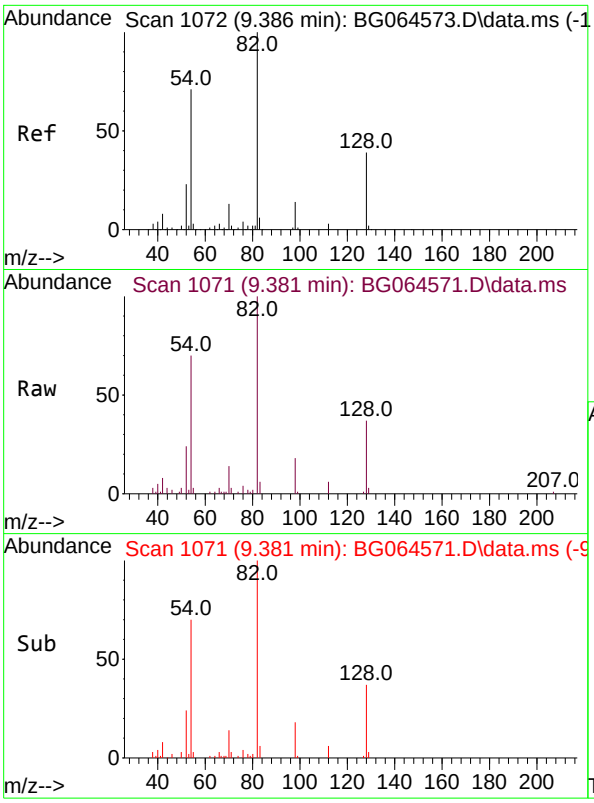


#22
Acetophenone
Concen: 10.338 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

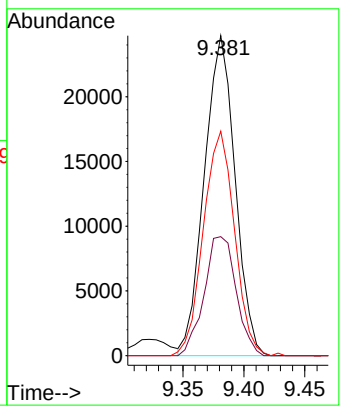




#23
Nitrobenzene-d5
Concen: 17.182 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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 :
BNA_G
ClientSampleId :
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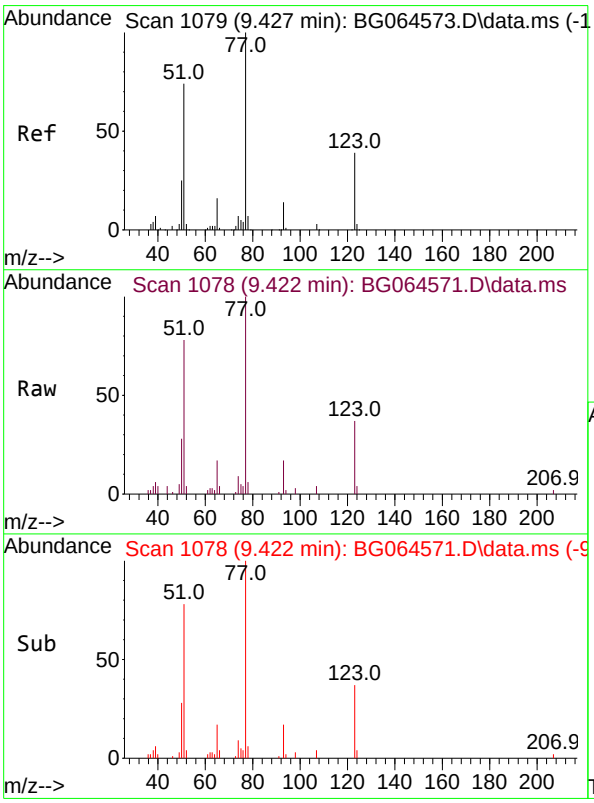
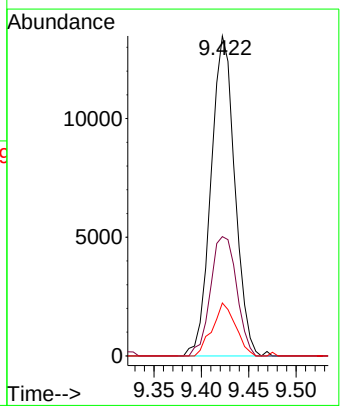
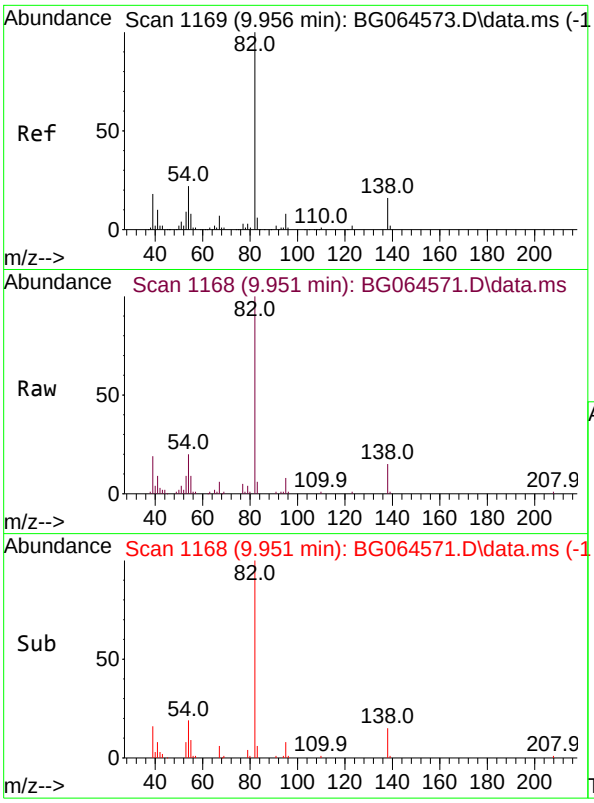


#24
Nitrobenzene
Concen: 8.602 ng
RT: 9.422 min Scan# 1078
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

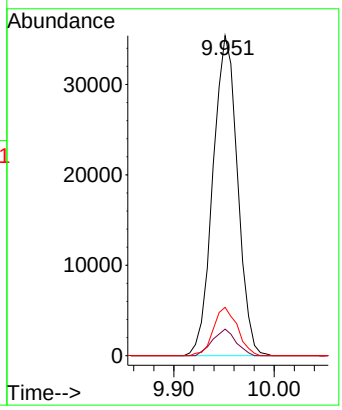




#25
Isophorone
Concen: 9.962 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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



Instrument :
BNA_G
ClientSampleId :
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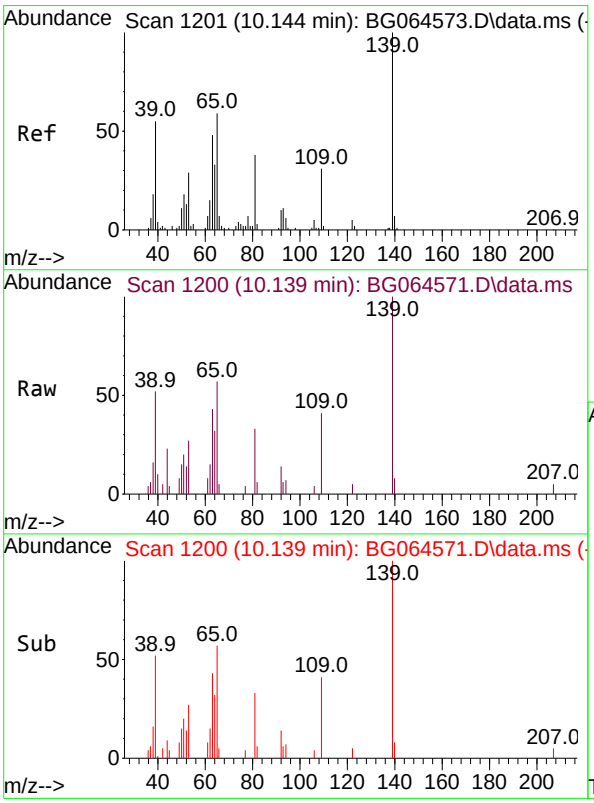
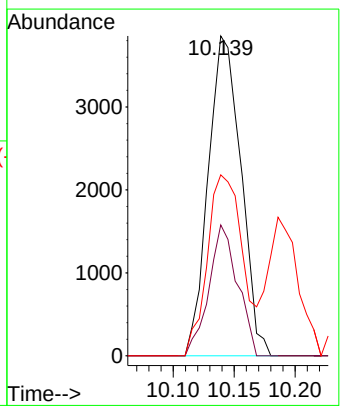
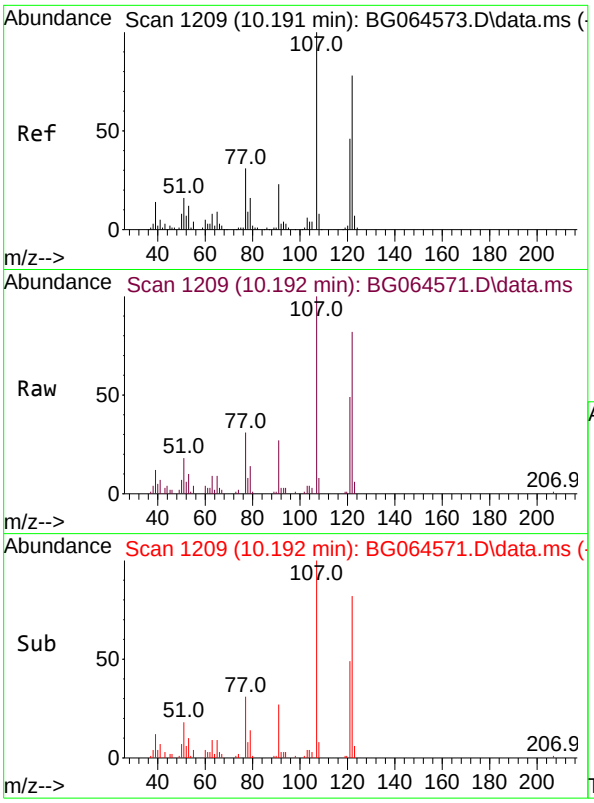


#26
2-Nitrophenol
Concen: 9.491 ng
RT: 10.139 min Scan# 1200
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

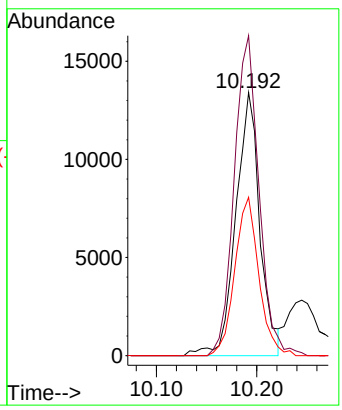




#27
2,4-Dimethylphenol
Concen: 9.879 ng
RT: 10.192 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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 :
BNA_G
ClientSampleId :
SSTDICC010

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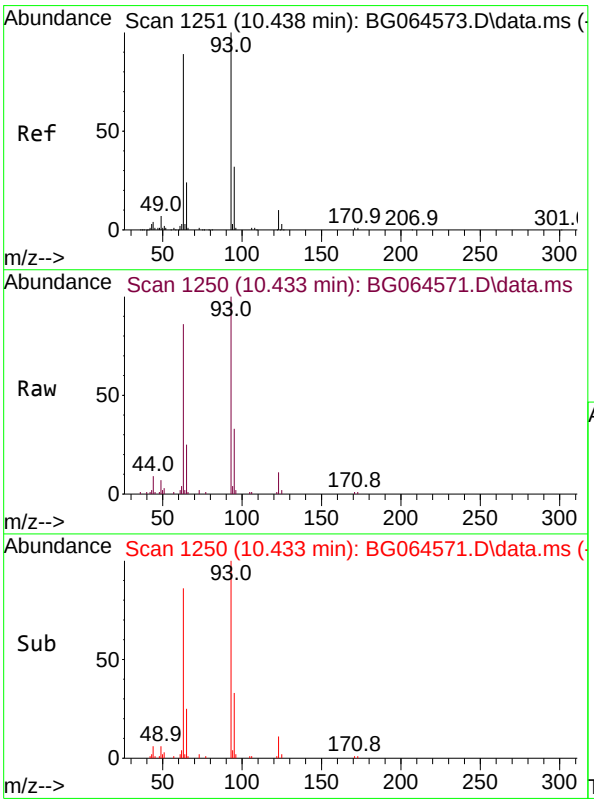
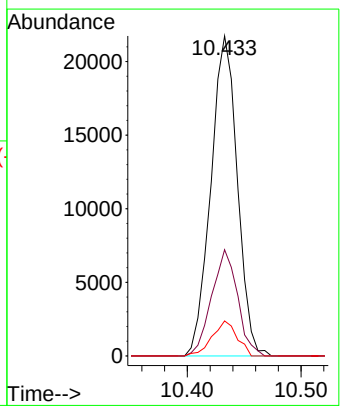
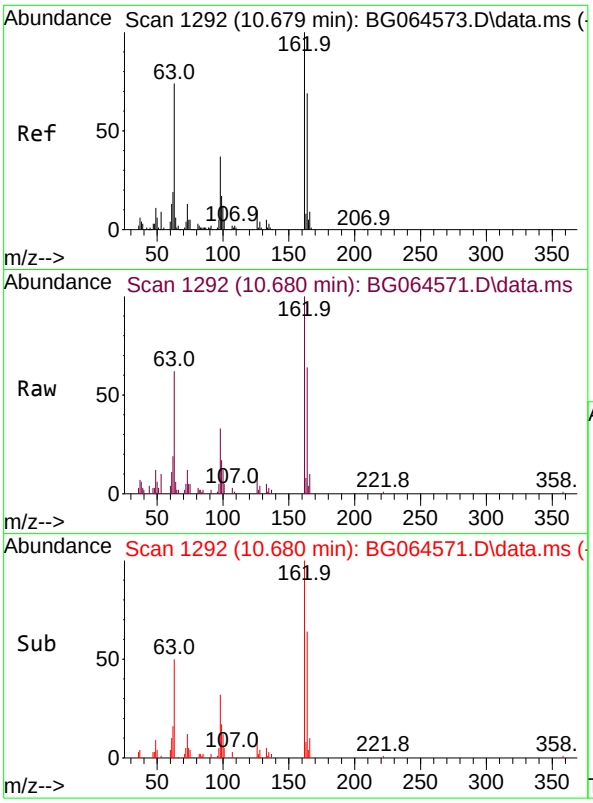


#28
bis(2-Chloroethoxy)methane
Concen: 10.197 ng
RT: 10.433 min Scan# 1250
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

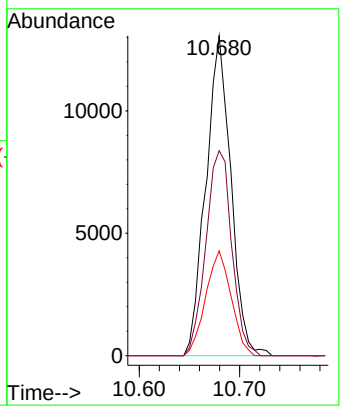




#29
2,4-Dichlorophenol
Concen: 9.338 ng
RT: 10.680 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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 :
BNA_G
ClientSampleId :
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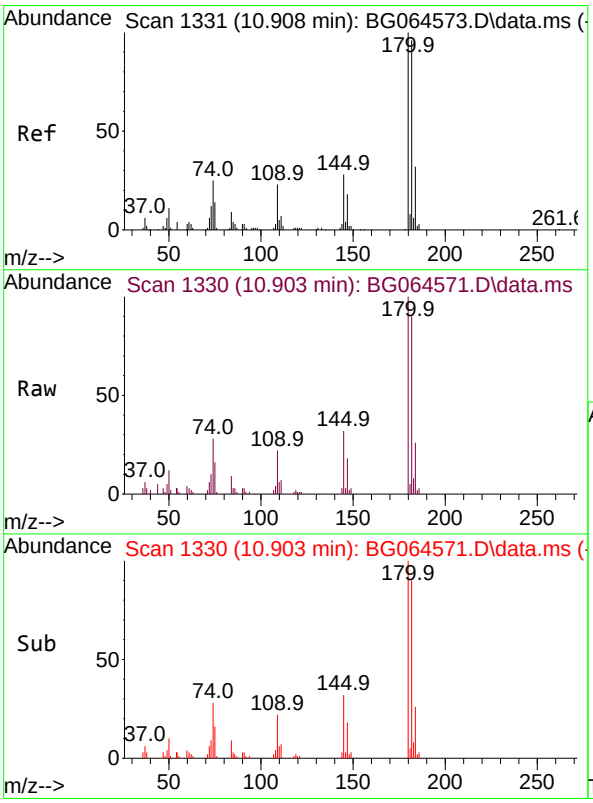
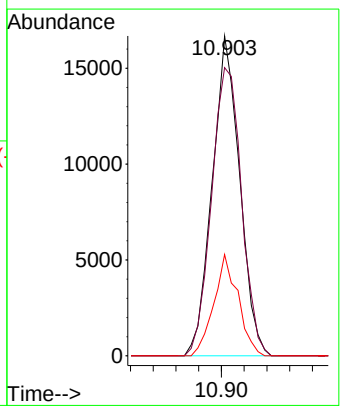
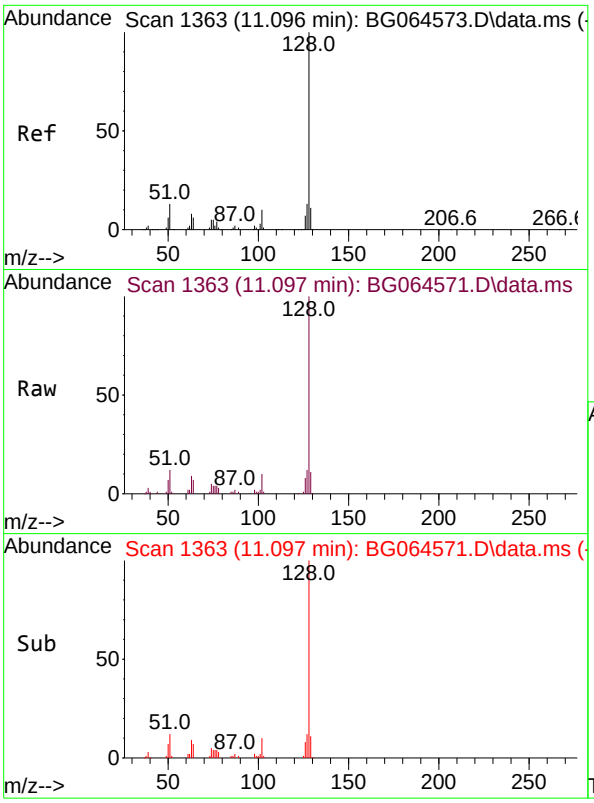


#30
1,2,4-Trichlorobenzene
Concen: 10.143 ng
RT: 10.903 min Scan# 1330
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

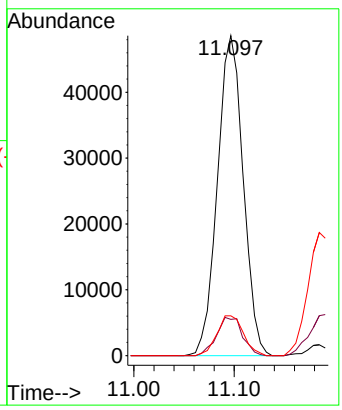




#31
Naphthalene
Concen: 10.319 ng
RT: 11.097 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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



Instrument :
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ClientSampleId :
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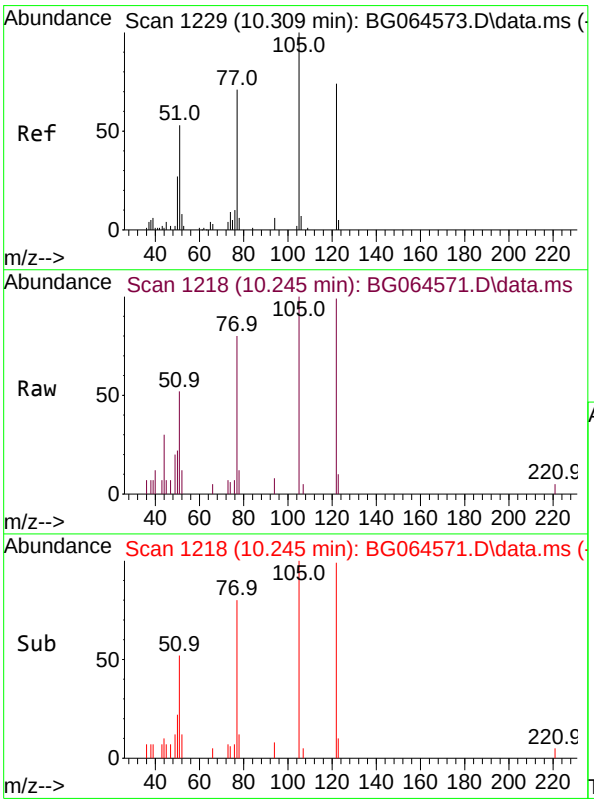
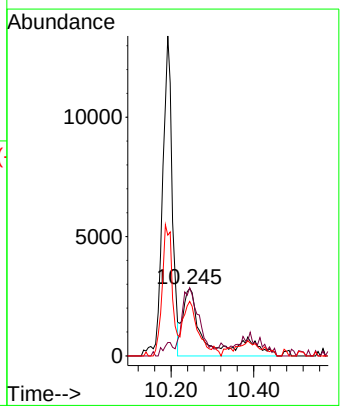
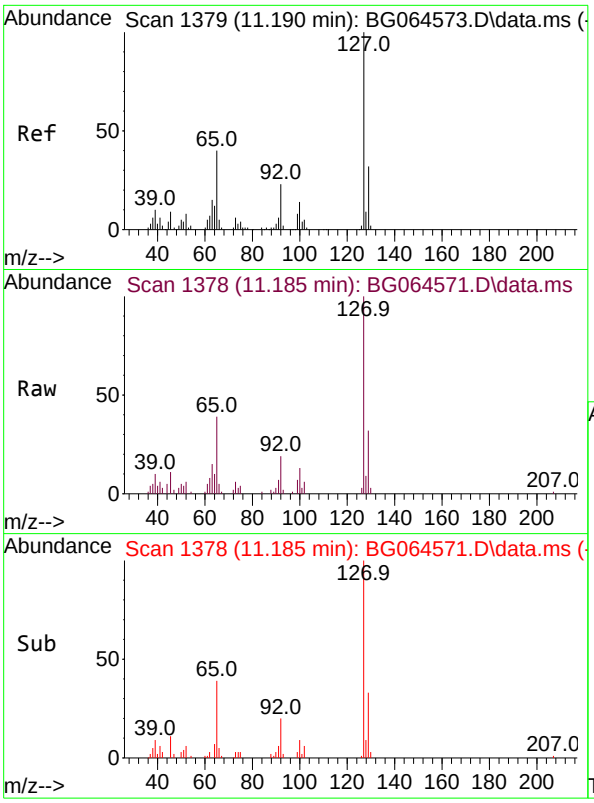


#32
Benzoic acid
Concen: 10.637 ng m
RT: 10.245 min Scan# 1218
Delta R.T. -0.064 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:122 Resp: 10748

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

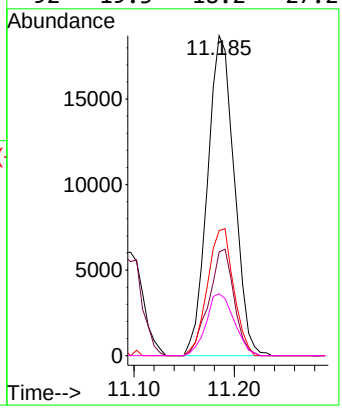




#33
4-Chloroaniline
Concen: 10.583 ng
RT: 11.185 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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 :
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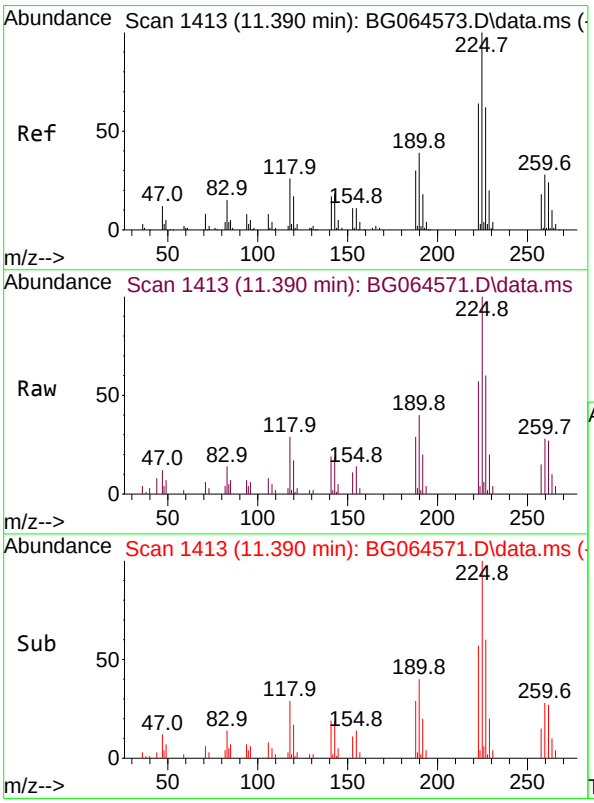
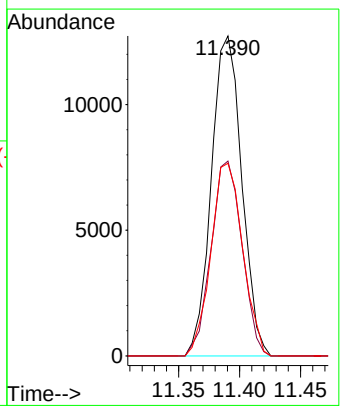
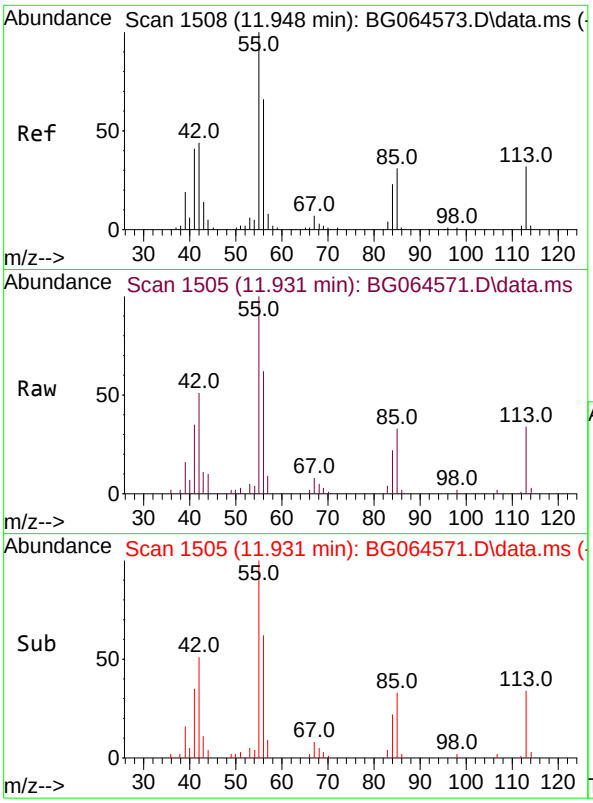


#34
Hexachlorobutadiene
Concen: 10.256 ng
RT: 11.390 min Scan# 1413
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

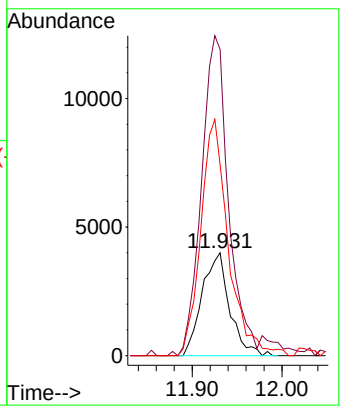




#35
Caprolactam
Concen: 9.162 ng
RT: 11.931 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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



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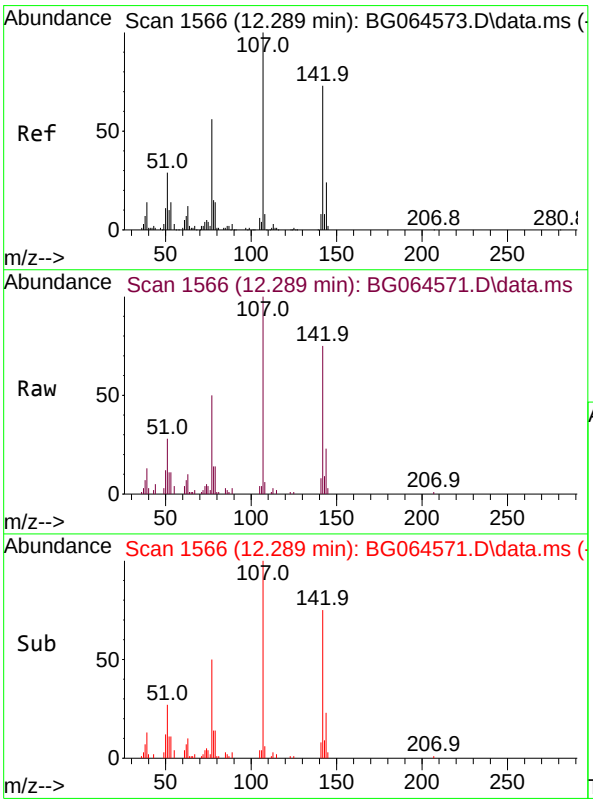
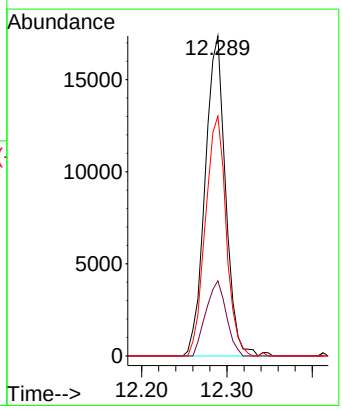
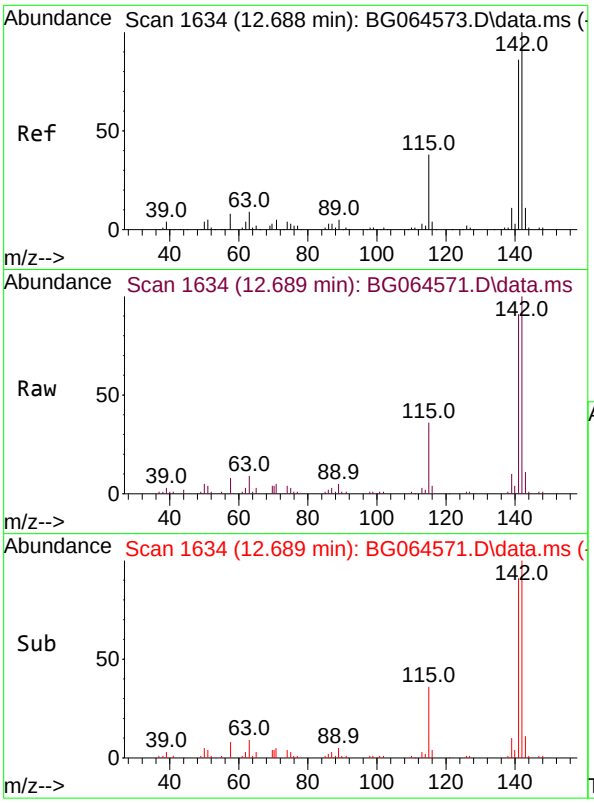


#36
4-Chloro-3-methylphenol
Concen: 9.916 ng
RT: 12.289 min Scan# 1566
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

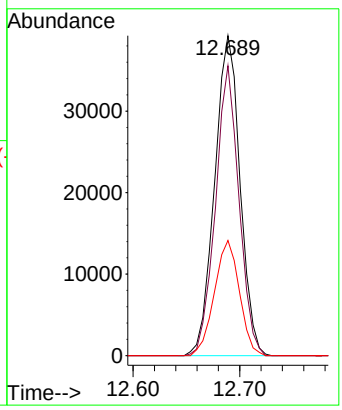




#37
2-Methylnaphthalene
Concen: 10.543 ng
RT: 12.689 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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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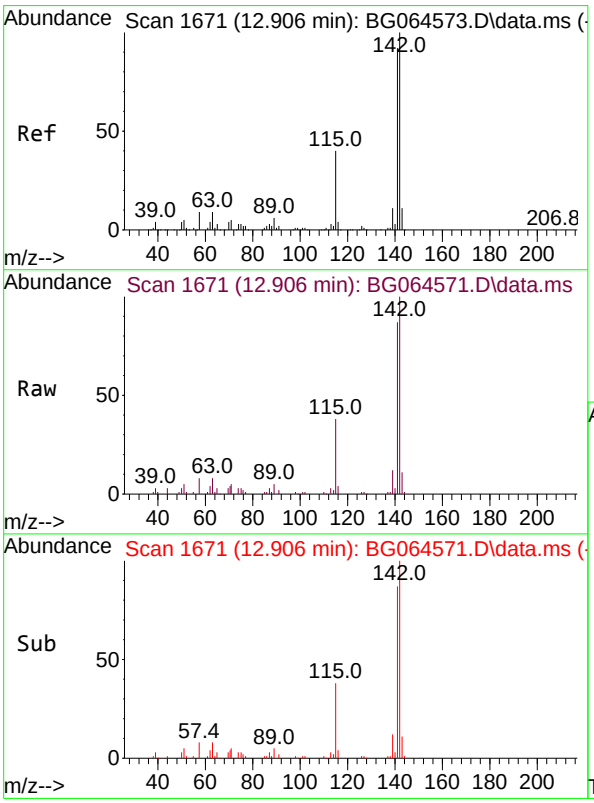
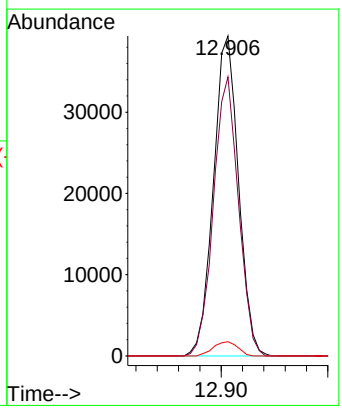
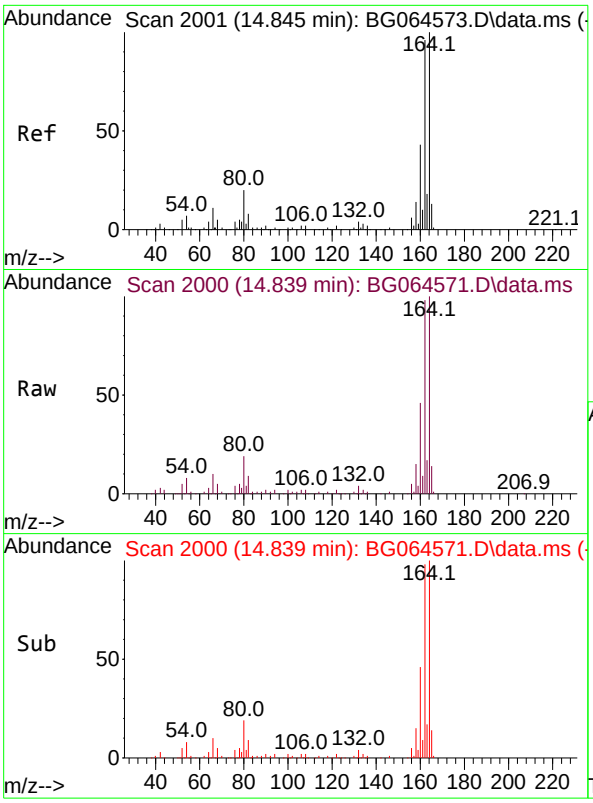


#38
1-Methylnaphthalene
Concen: 10.540 ng
RT: 12.906 min Scan# 1671
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

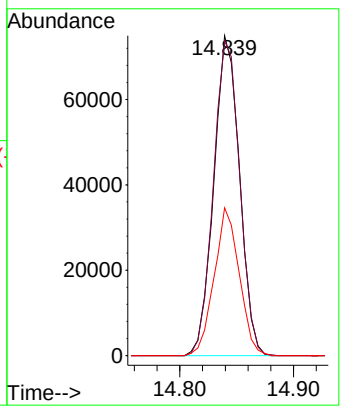




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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 :
SSTDICC010

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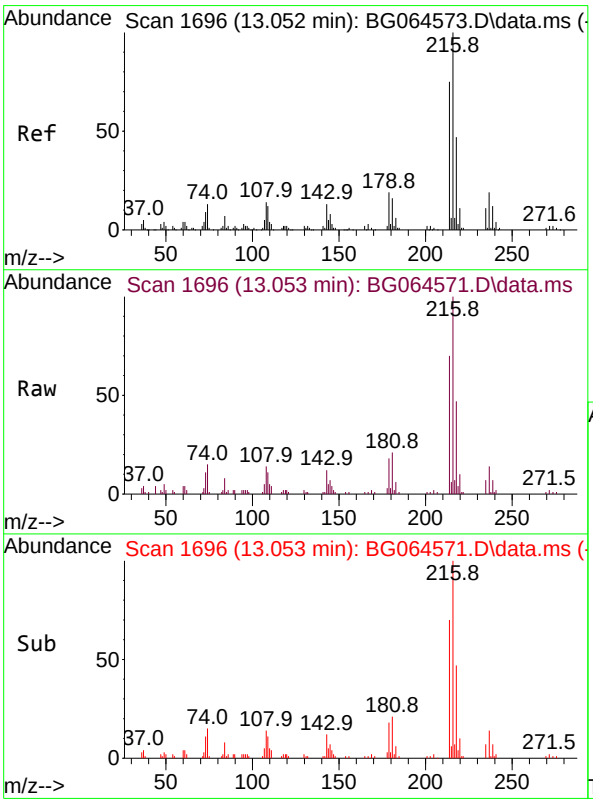
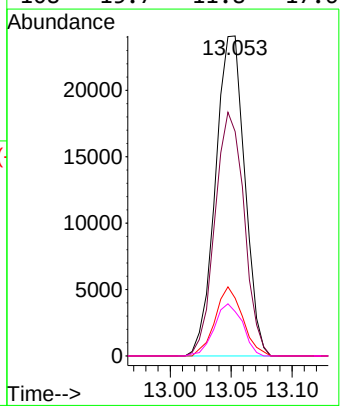
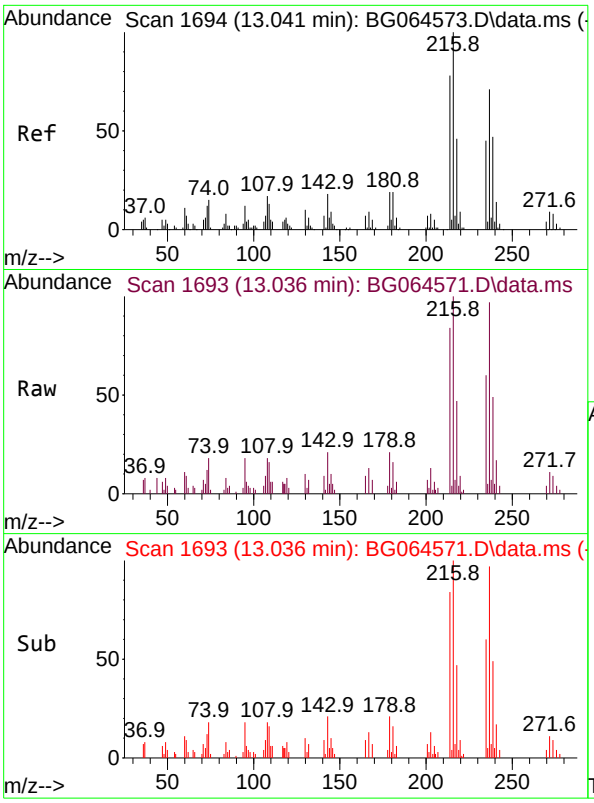


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.197 ng
RT: 13.053 min Scan# 1696
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

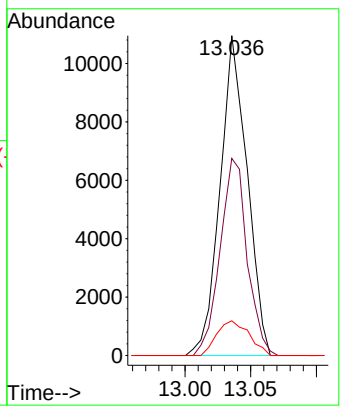




#41
Hexachlorocyclopentadiene
Concen: 8.855 ng
RT: 13.036 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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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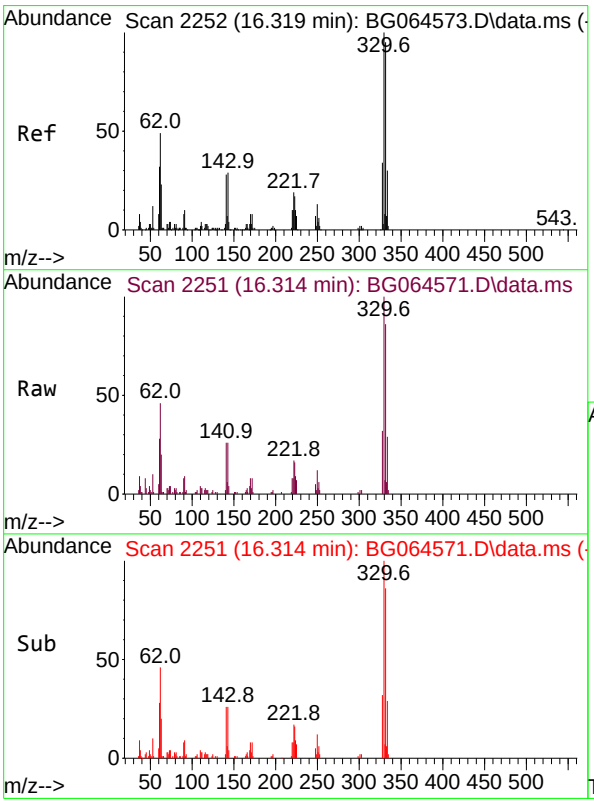
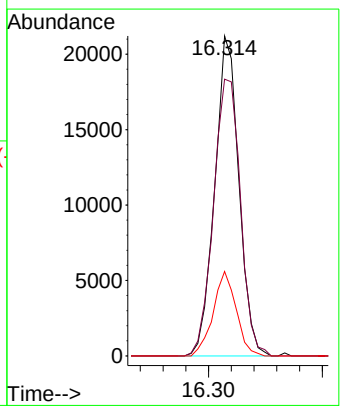
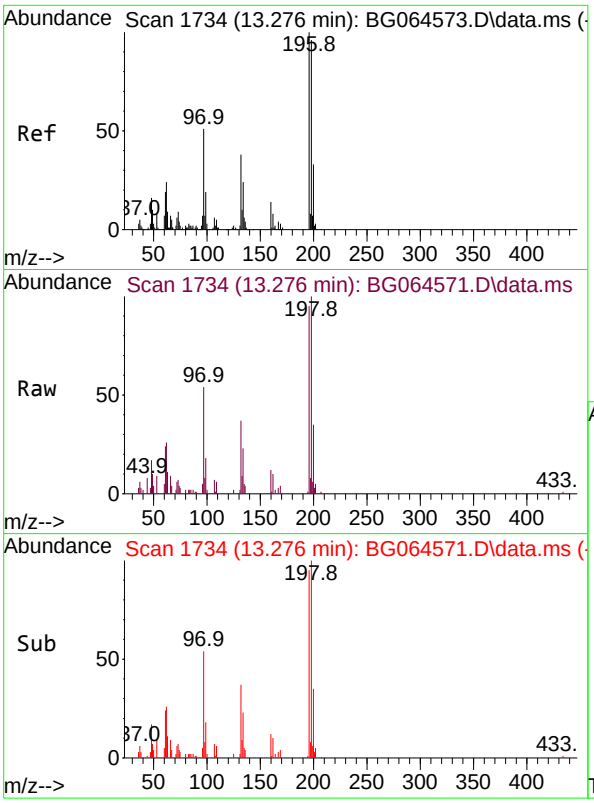


#42
2,4,6-Tribromophenol
Concen: 18.400 ng
RT: 16.314 min Scan# 2251
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

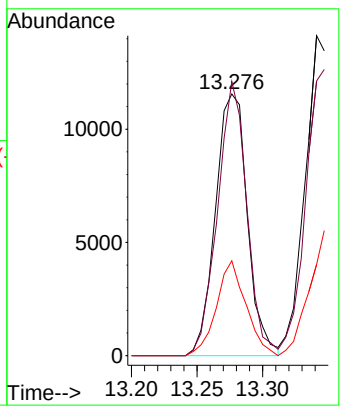




#43
2,4,6-Trichlorophenol
Concen: 8.673 ng
RT: 13.276 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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 :
BNA_G
ClientSampleId :
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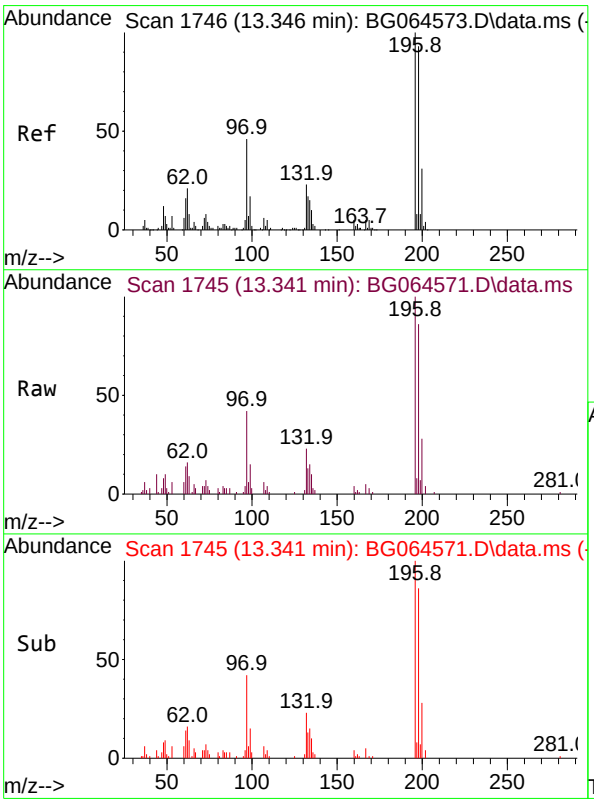
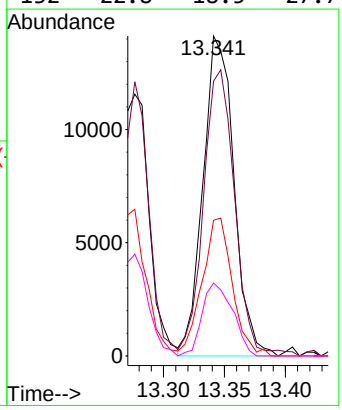
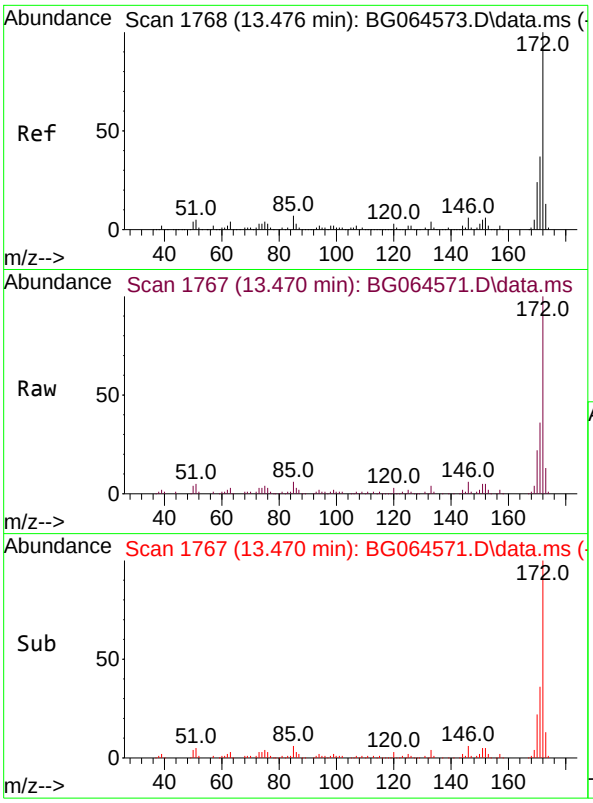


#44
2,4,5-Trichlorophenol
Concen: 9.584 ng
RT: 13.341 min Scan# 1745
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

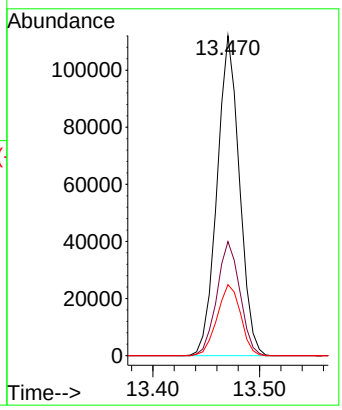




#45
2-Fluorobiphenyl
Concen: 21.050 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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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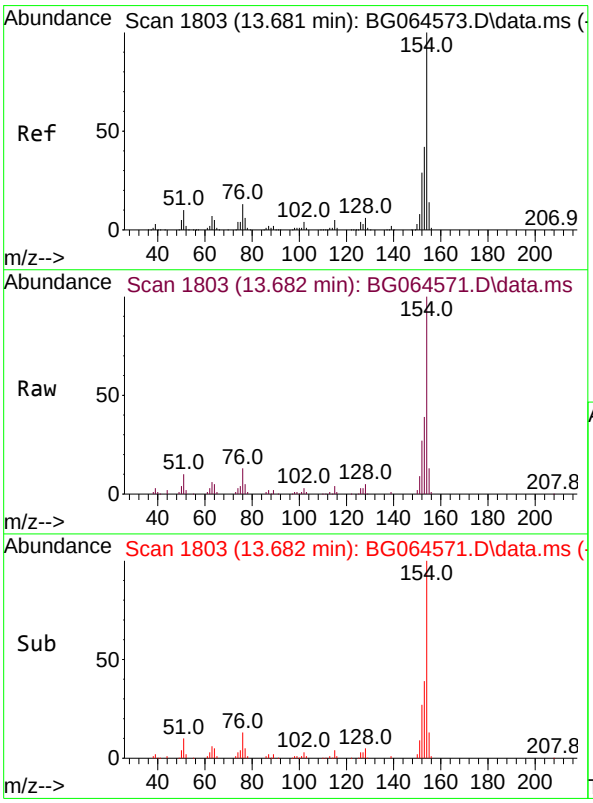
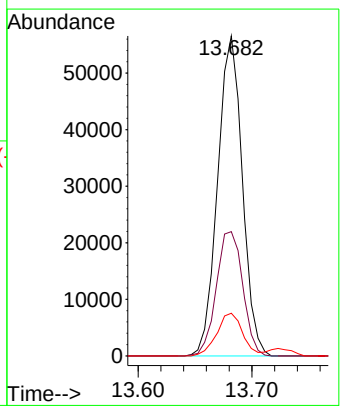
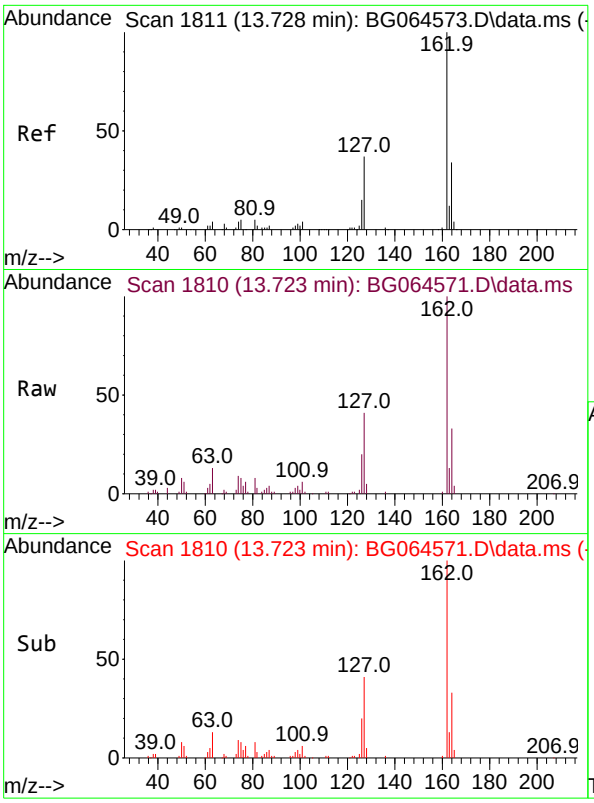


#46
1,1'-Biphenyl
Concen: 10.200 ng
RT: 13.682 min Scan# 1803
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

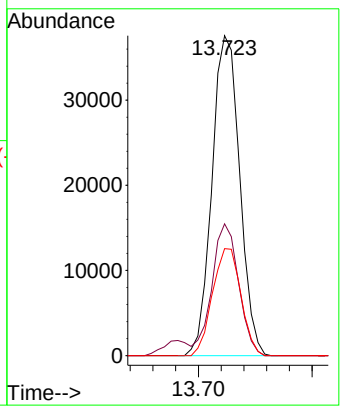




#47
2-Chloronaphthalene
Concen: 10.081 ng
RT: 13.723 min Scan# 18
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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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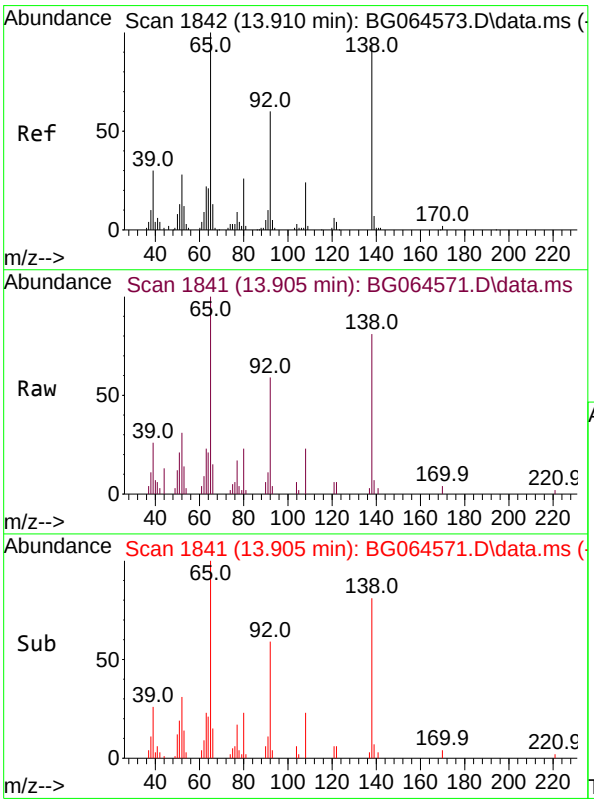
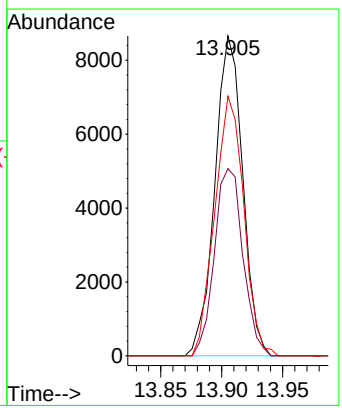
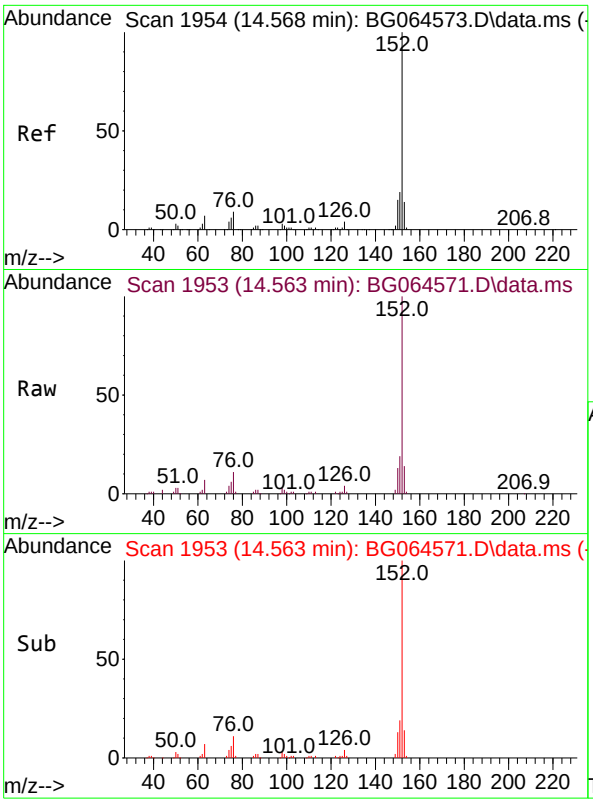


#48
2-Nitroaniline
Concen: 9.284 ng
RT: 13.905 min Scan# 1841
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

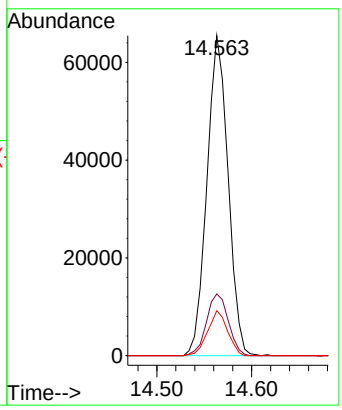




#49
Acenaphthylene
Concen: 10.198 ng
RT: 14.563 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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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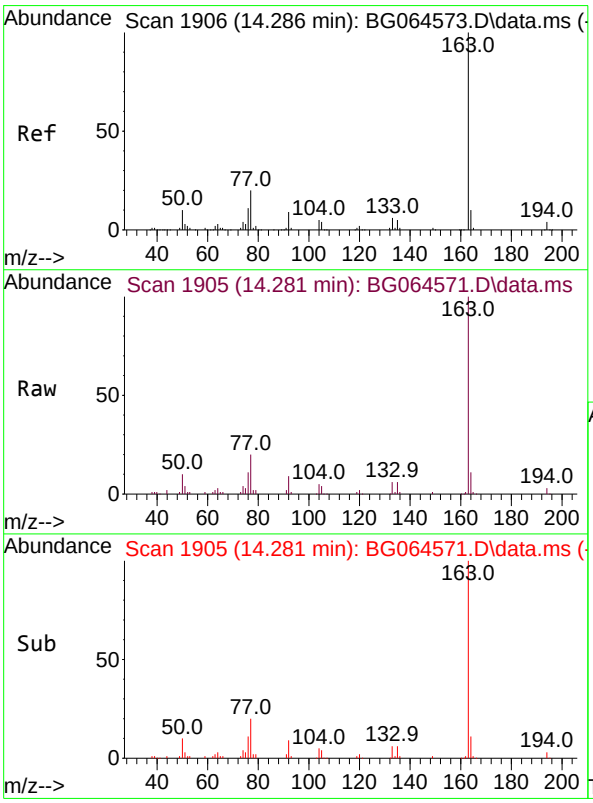
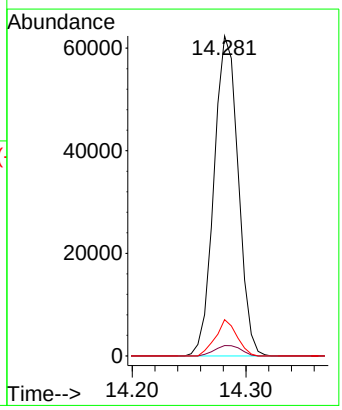
Supervised By :mohammad ahmed 11/05/2025

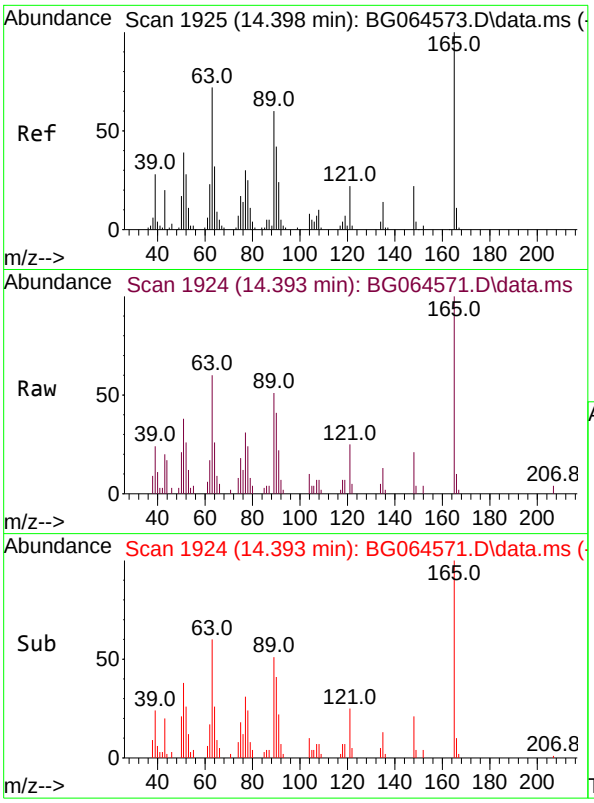


#50
Dimethylphthalate
Concen: 10.256 ng
RT: 14.281 min Scan# 1905
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

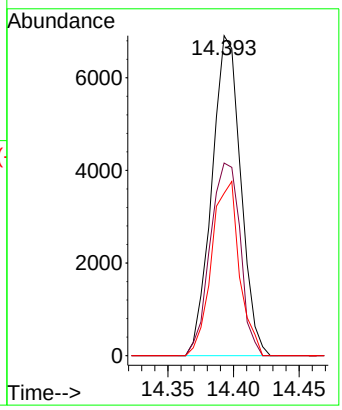




#51
2,6-Dinitrotoluene
Concen: 9.857 ng
RT: 14.393 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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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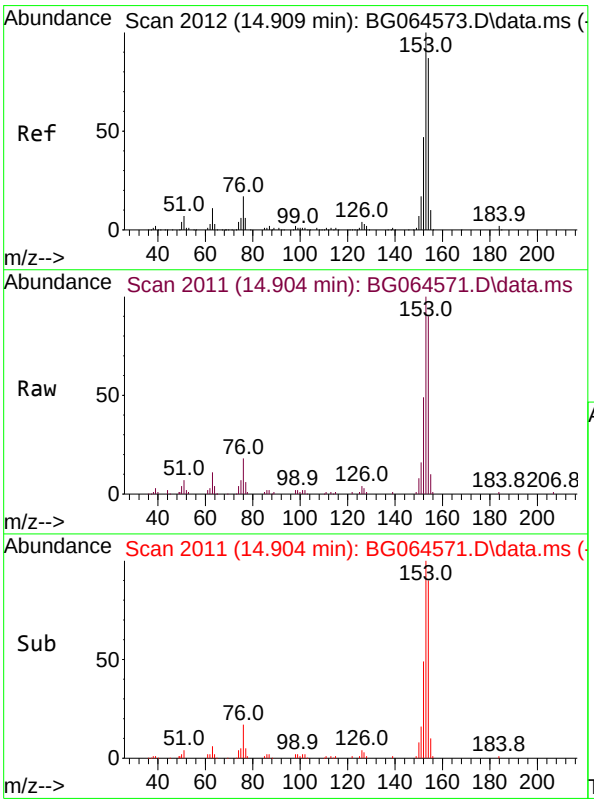
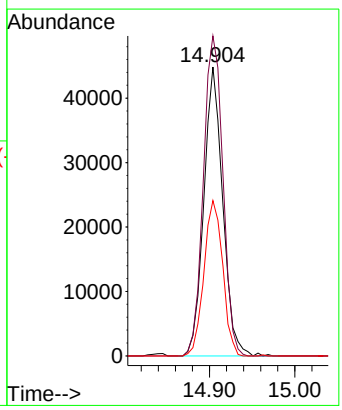
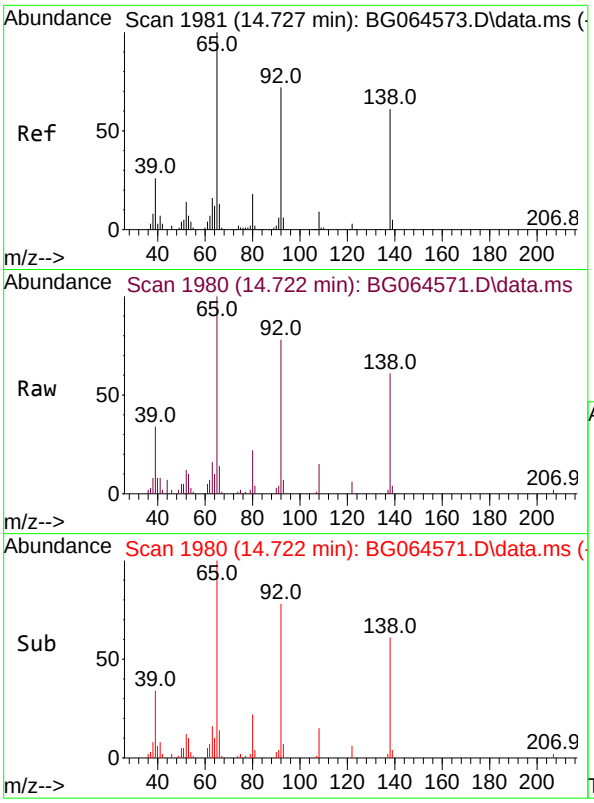


#52
Acenaphthene
Concen: 10.184 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

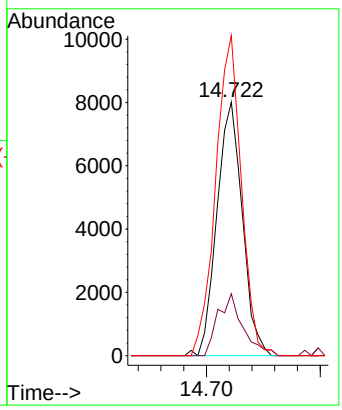




#53
3-Nitroaniline
Concen: 8.026 ng
RT: 14.722 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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 :
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ClientSampleId :
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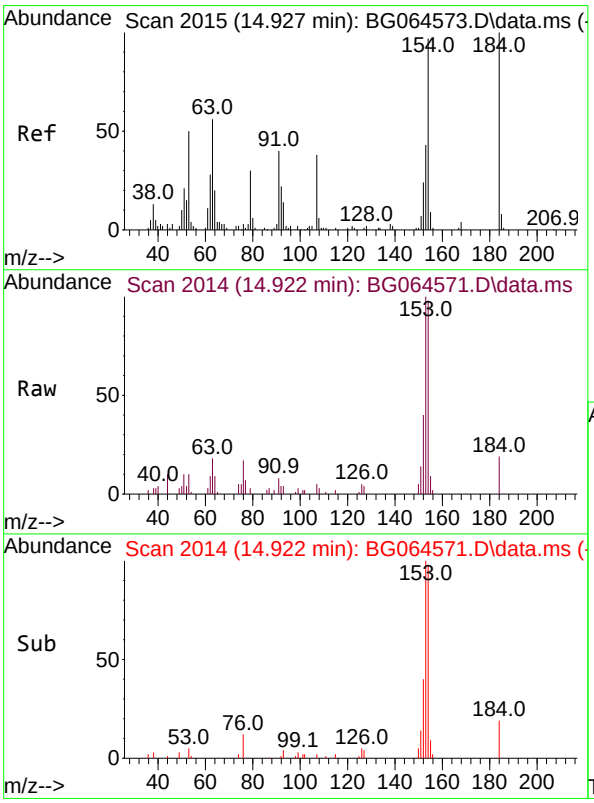
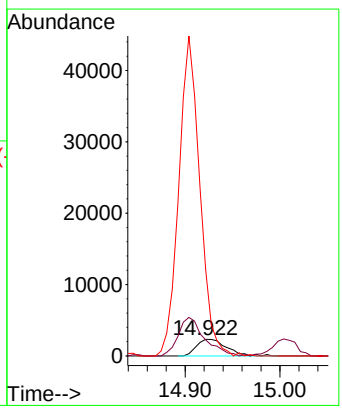
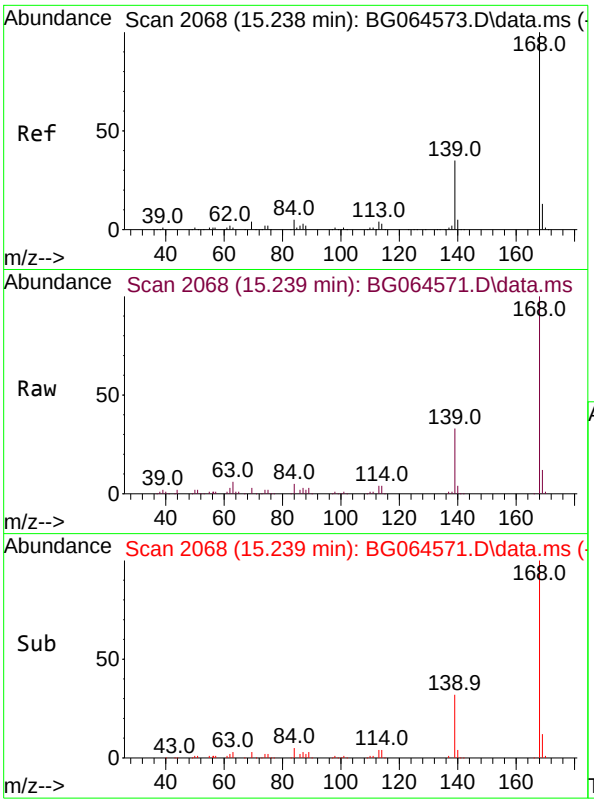


#54
2,4-Dinitrophenol
Concen: 10.760 ng
RT: 14.922 min Scan# 2014
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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#

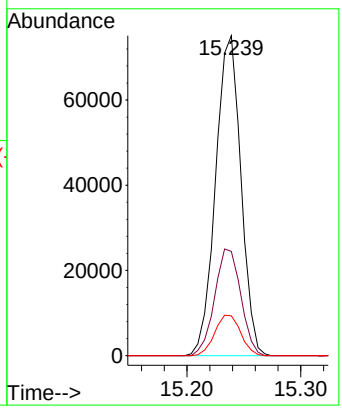




#55
Dibenzofuran
Concen: 10.548 ng
RT: 15.239 min Scan# 20
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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 :
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ClientSampleId :
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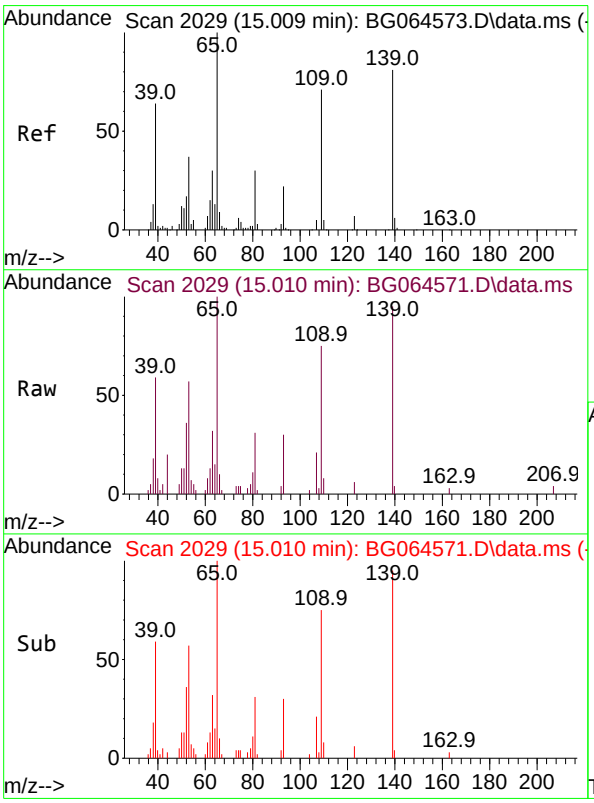
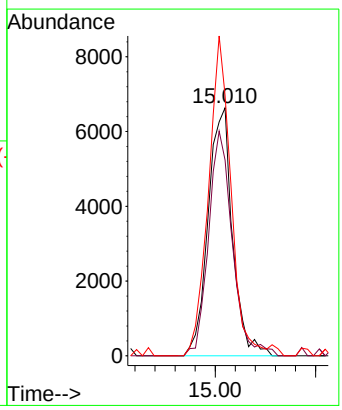
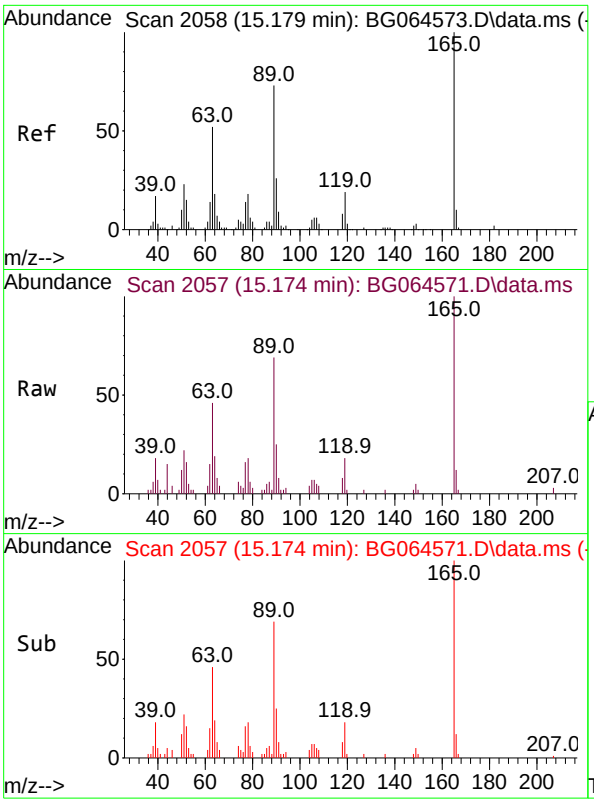


#56
4-Nitrophenol
Concen: 7.815 ng
RT: 15.010 min Scan# 2029
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

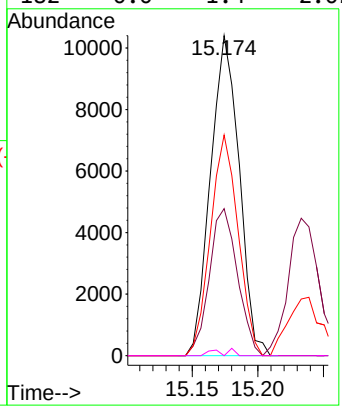




#57
2,4-Dinitrotoluene
Concen: 9.494 ng
RT: 15.174 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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 :
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ClientSampleId :
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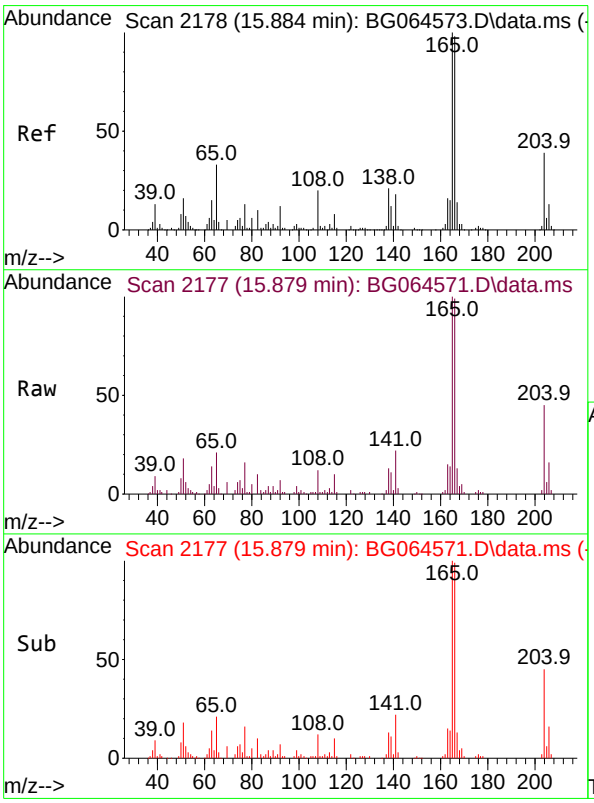
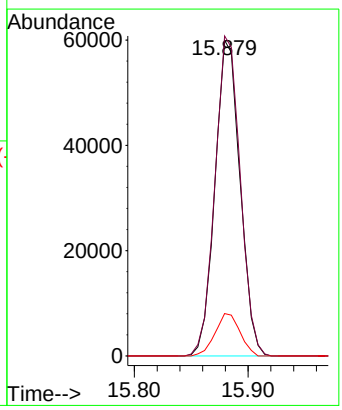
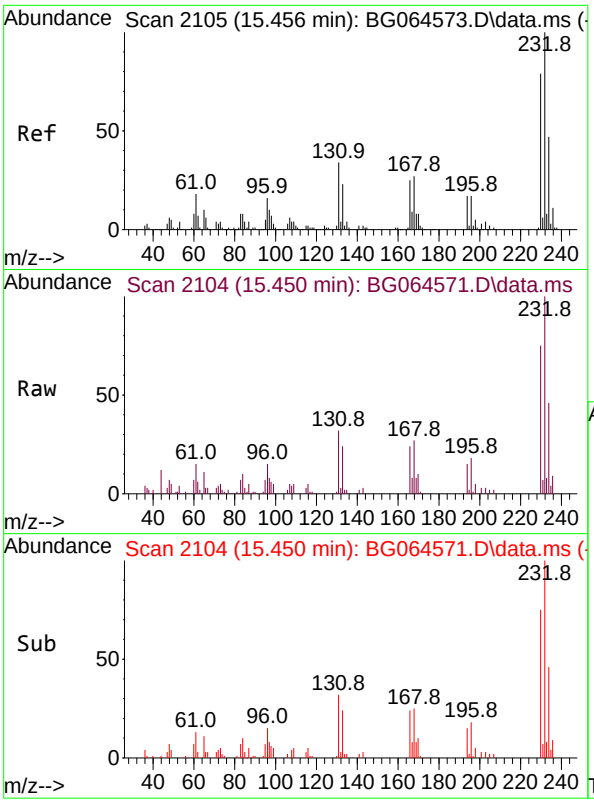


#58
Fluorene
Concen: 10.679 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

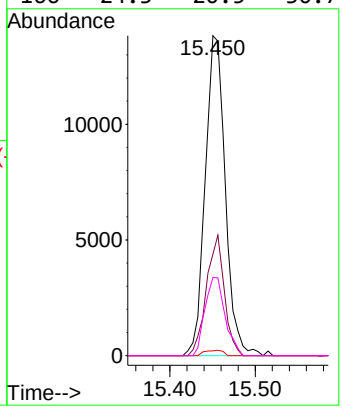




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.088 ng
RT: 15.450 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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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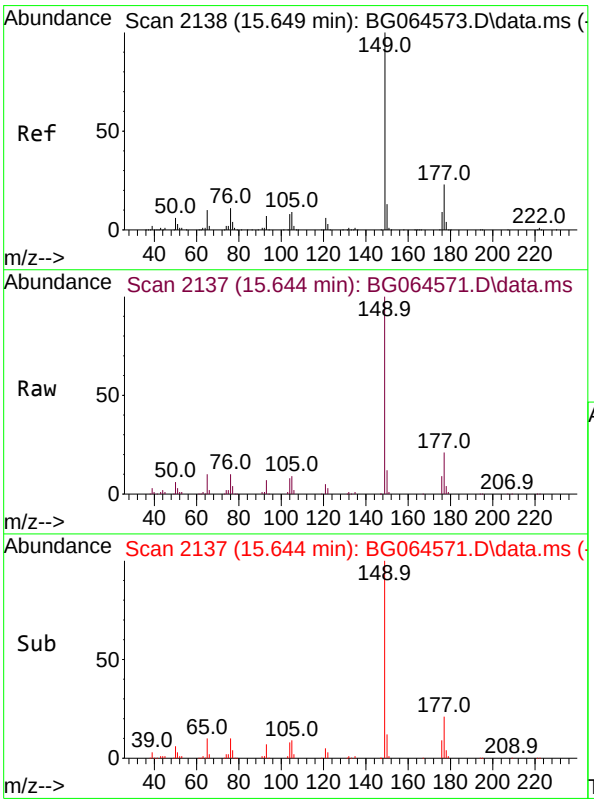
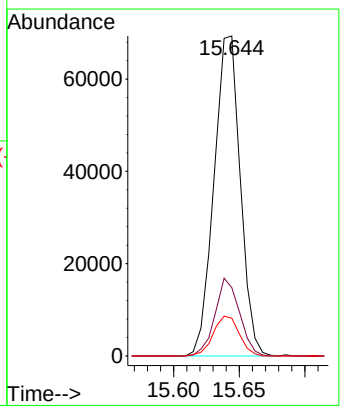
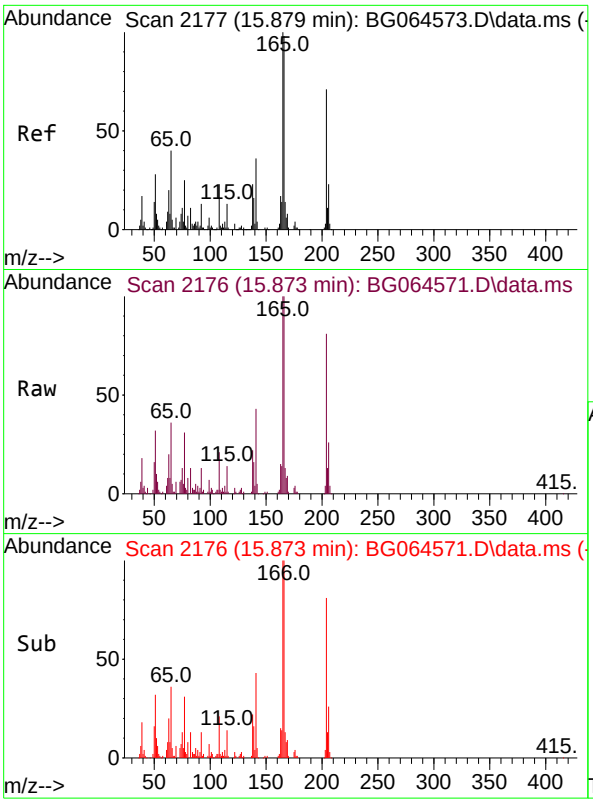


#60
Diethylphthalate
Concen: 10.525 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

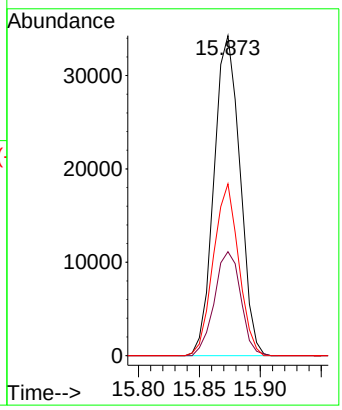




#61
4-Chlorophenyl-phenylether
Concen: 10.544 ng
RT: 15.873 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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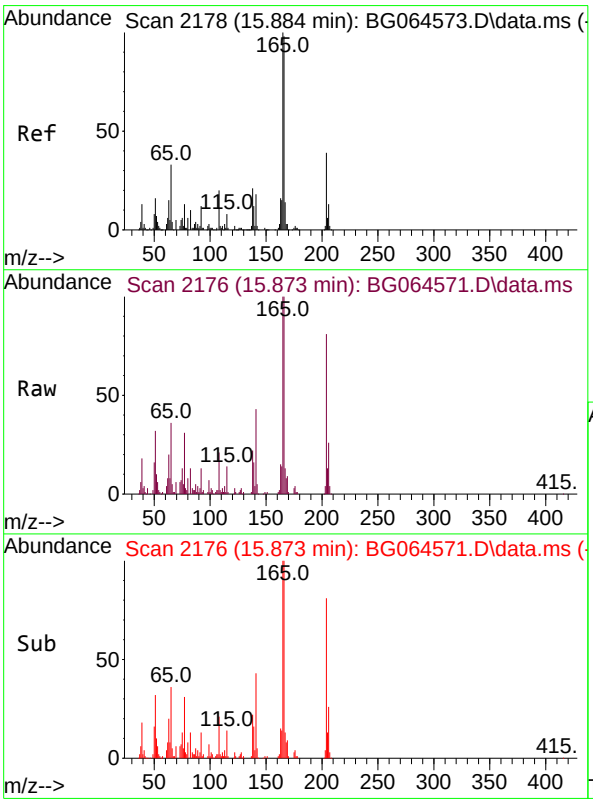
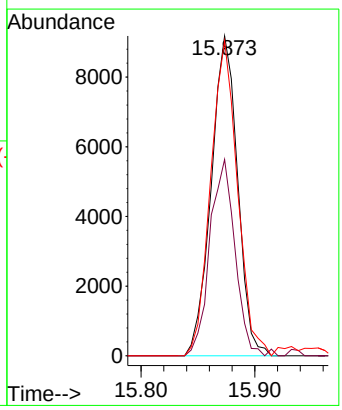
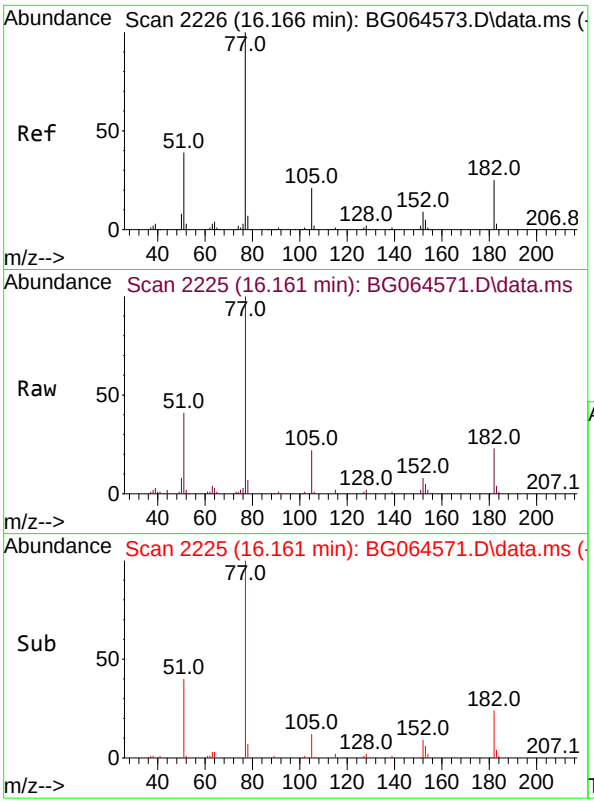


#62
4-Nitroaniline
Concen: 8.612 ng
RT: 15.873 min Scan# 2176
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

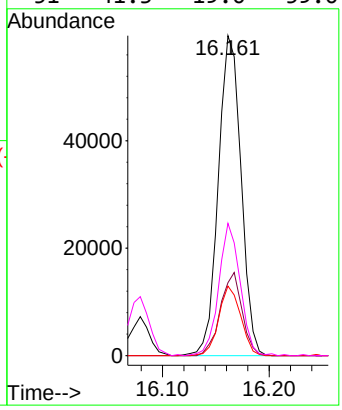




#63
Azobenzene
Concen: 10.489 ng
RT: 16.161 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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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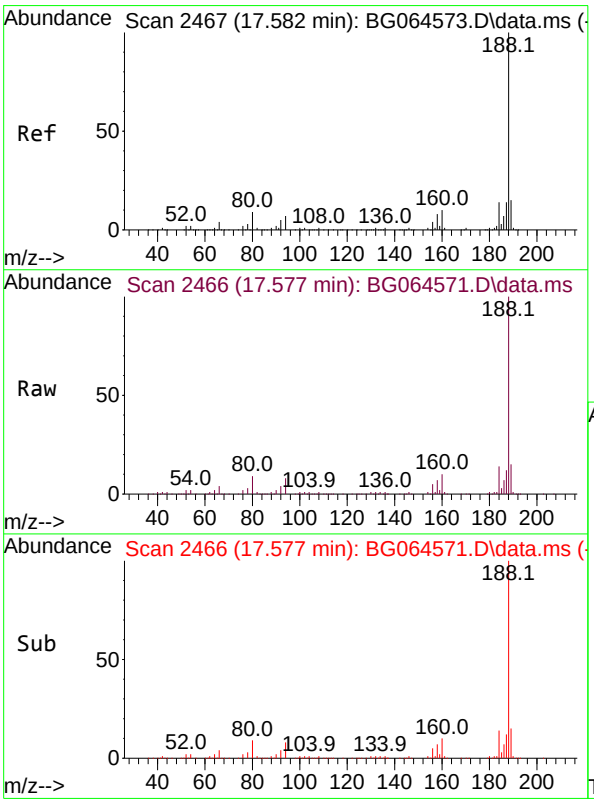
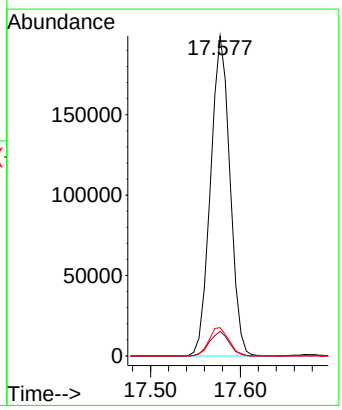
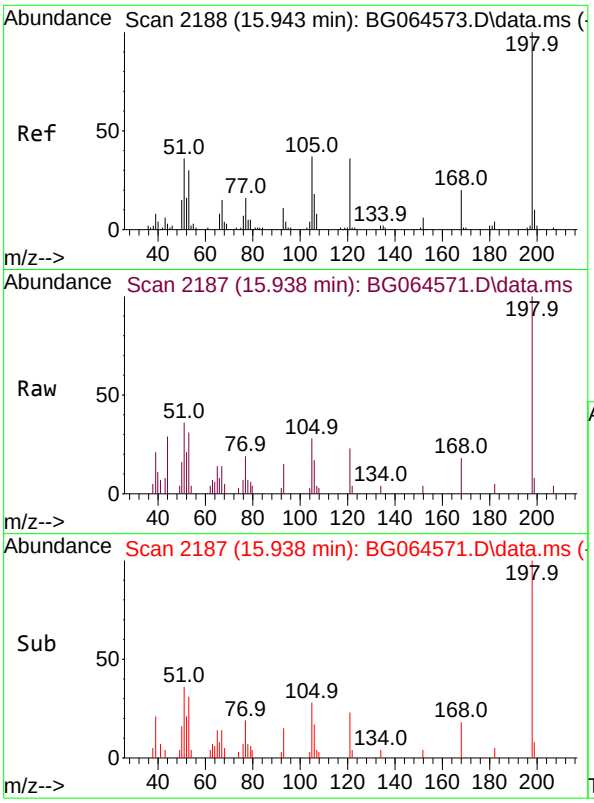


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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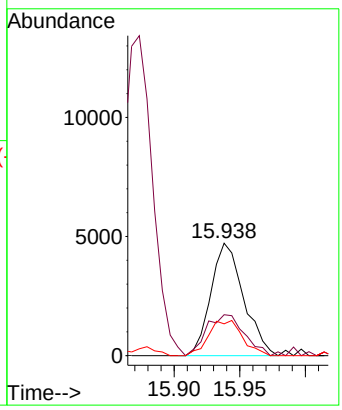
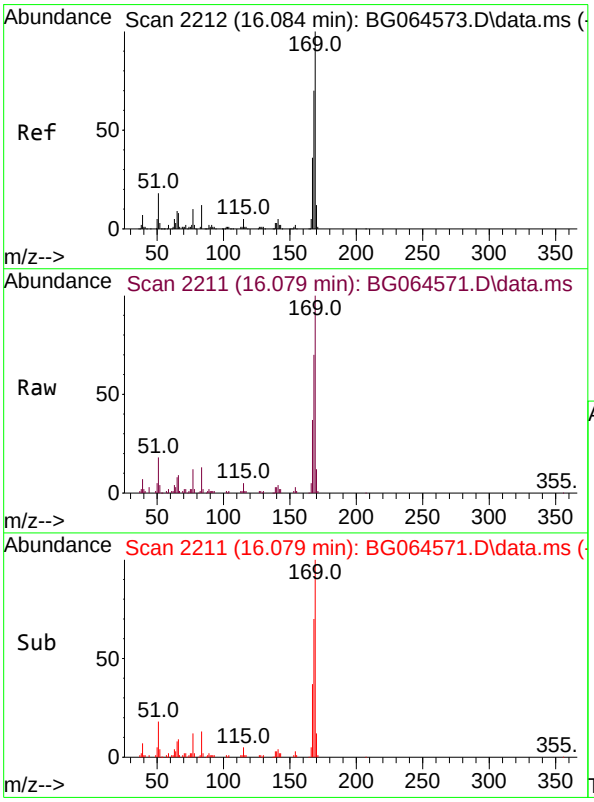
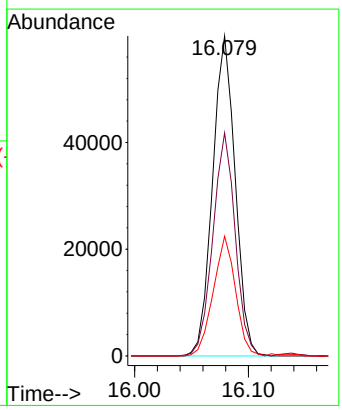


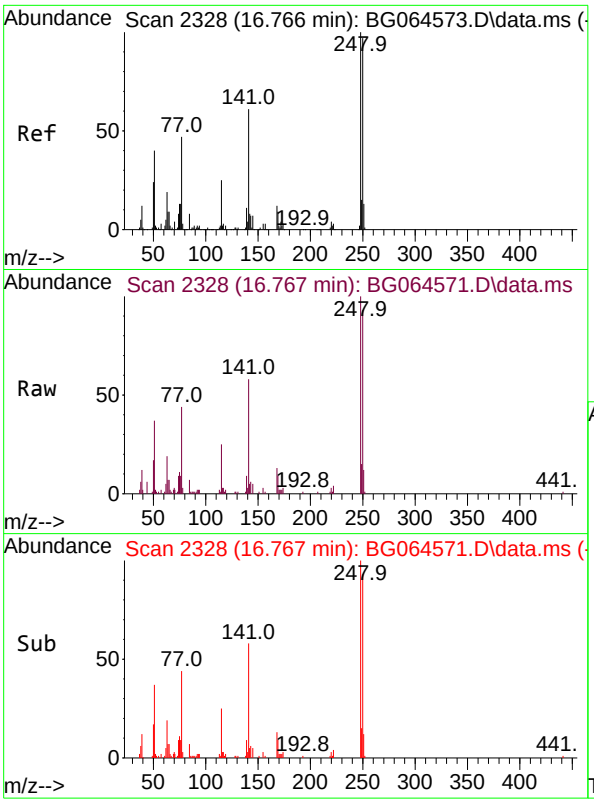


#66
n-Nitrosodiphenylamine
Concen: 10.197 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

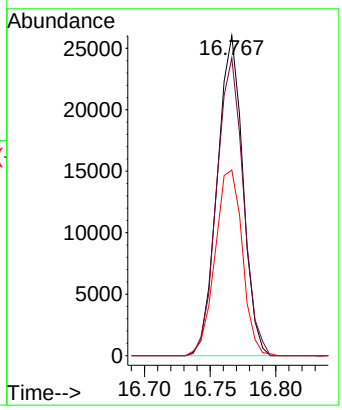




#67
4-Bromophenyl-phenylether
Concen: 9.949 ng
RT: 16.767 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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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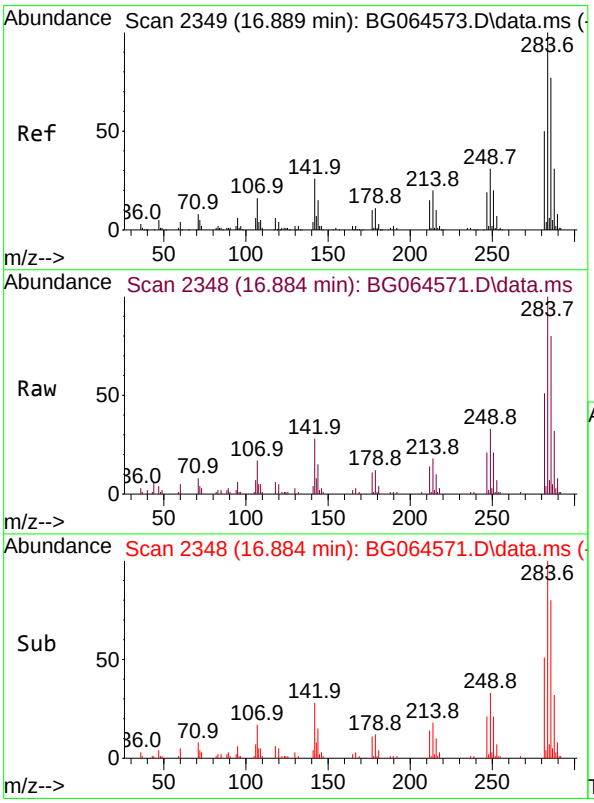
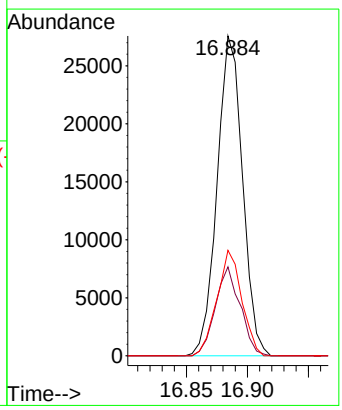
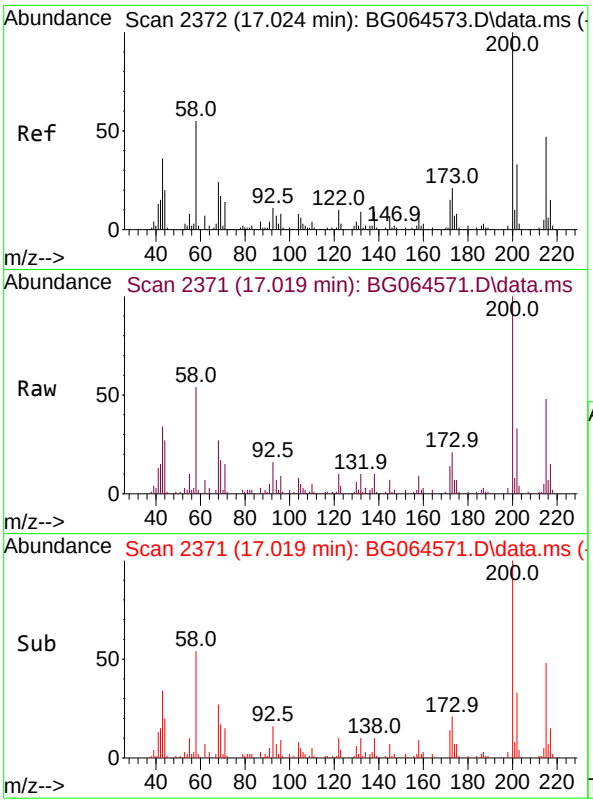


#68
Hexachlorobenzene
Concen: 9.838 ng
RT: 16.884 min Scan# 2348
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

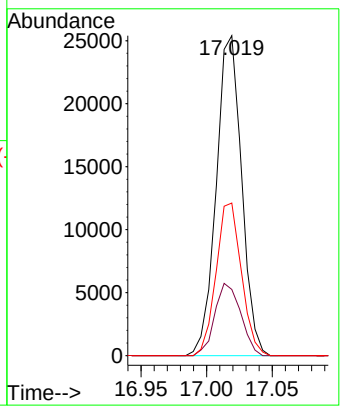




#69
Atrazine
Concen: 9.785 ng
RT: 17.019 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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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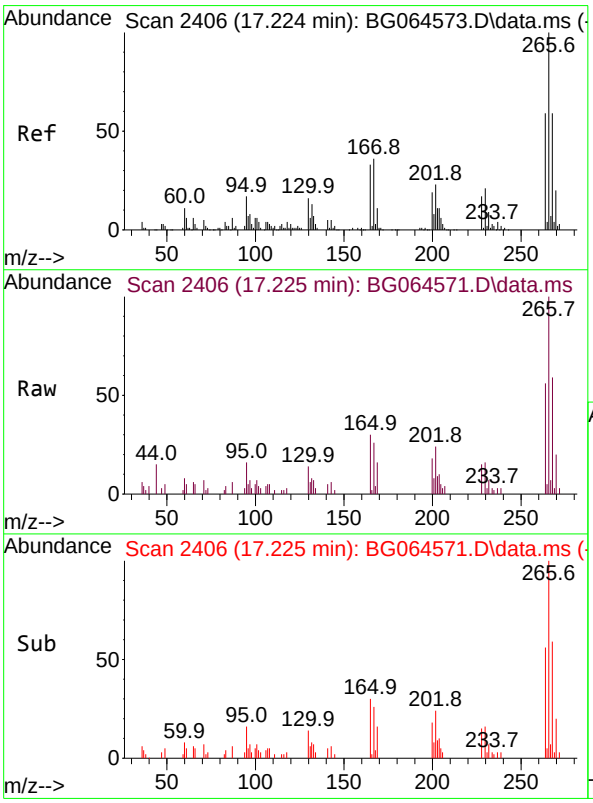
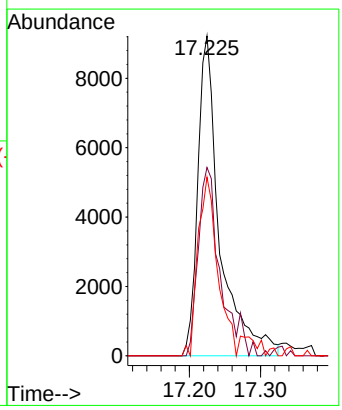
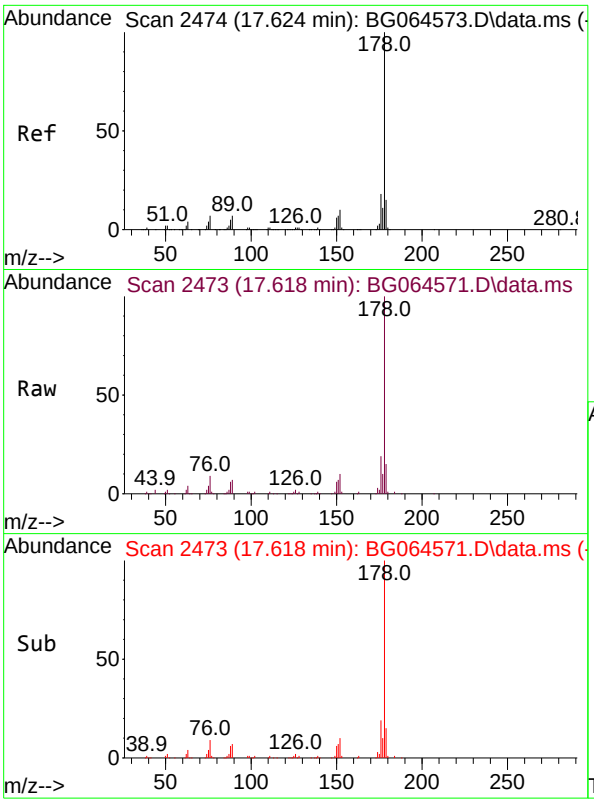


#70
Pentachlorophenol
Concen: 7.838 ng
RT: 17.225 min Scan# 2406
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

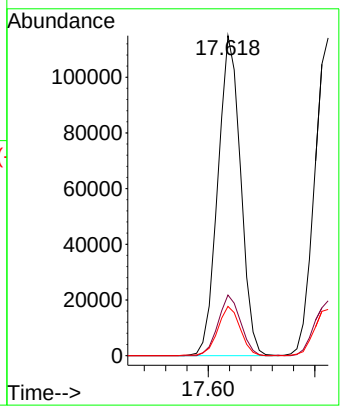




#71
Phenanthrene
Concen: 10.361 ng
RT: 17.618 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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 :
SSTDICC010

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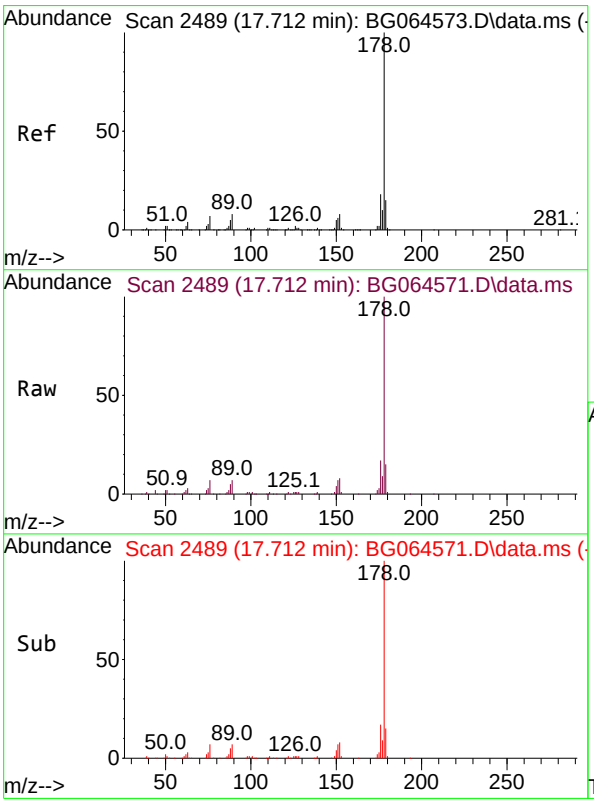
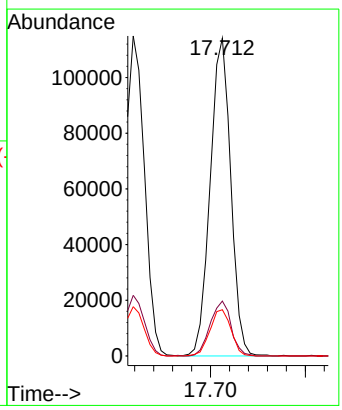
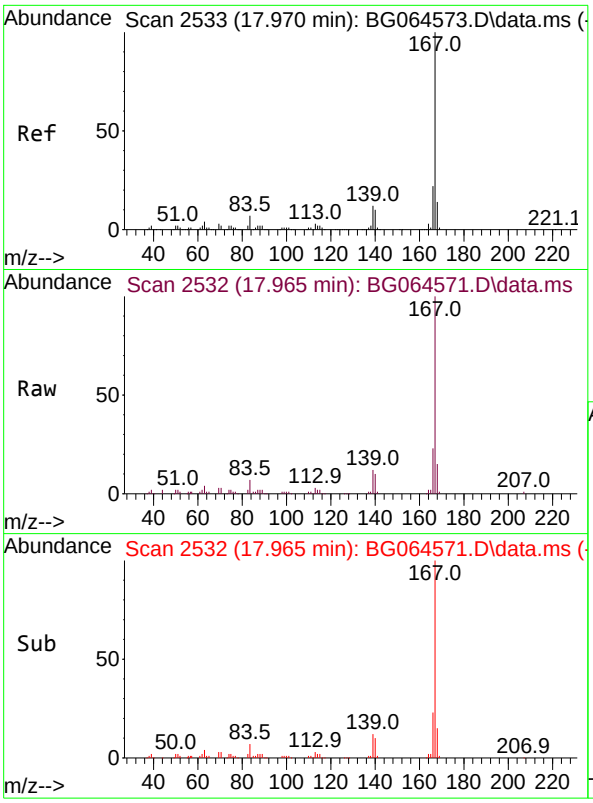


#72
Anthracene
Concen: 10.279 ng
RT: 17.712 min Scan# 2489
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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. -0.005 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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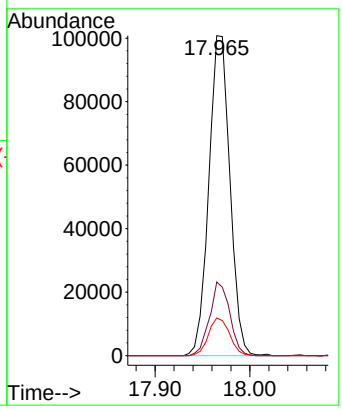
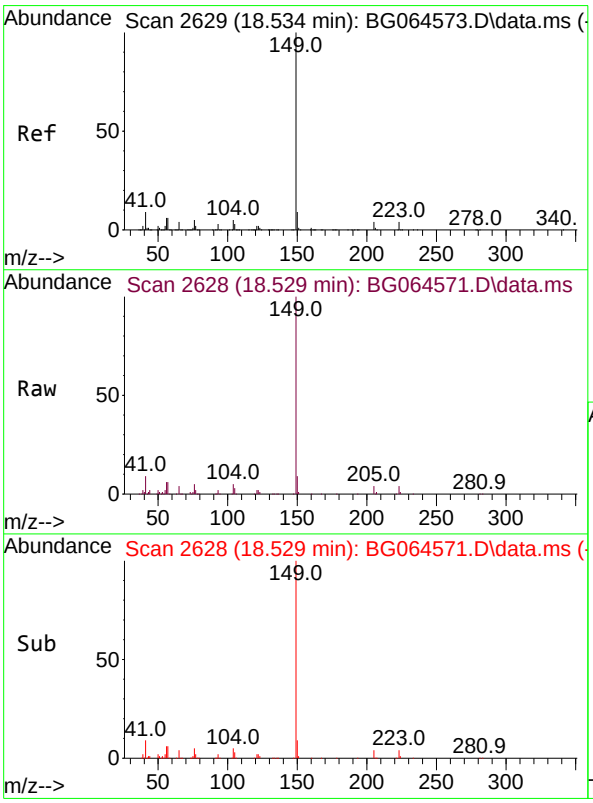
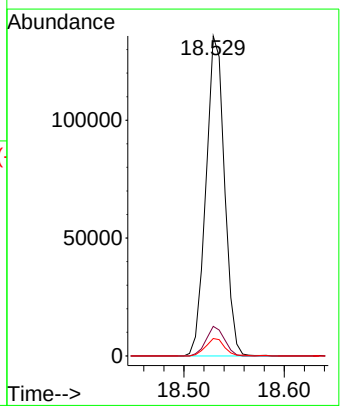


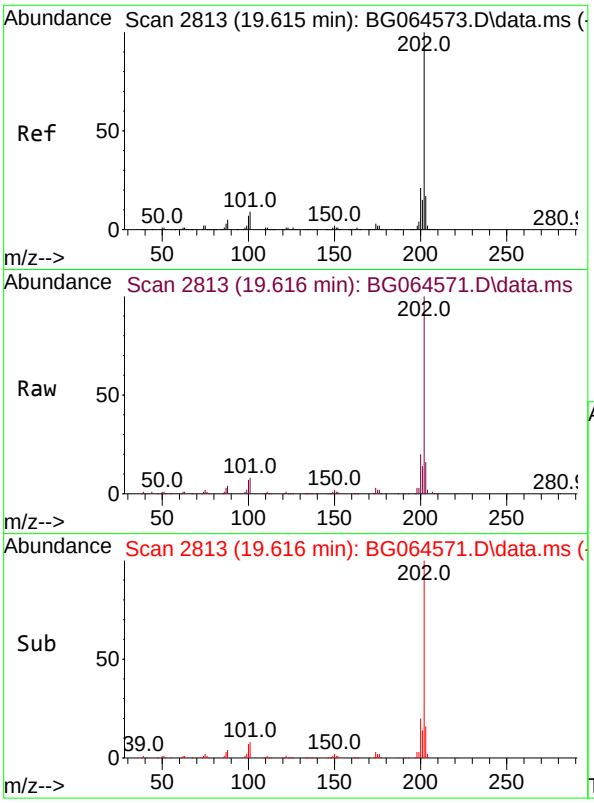


#74
Di-n-butylphthalate
Concen: 10.189 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

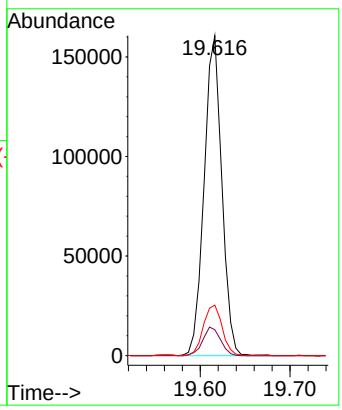




#75
Fluoranthene
Concen: 10.677 ng
RT: 19.616 min Scan# 28
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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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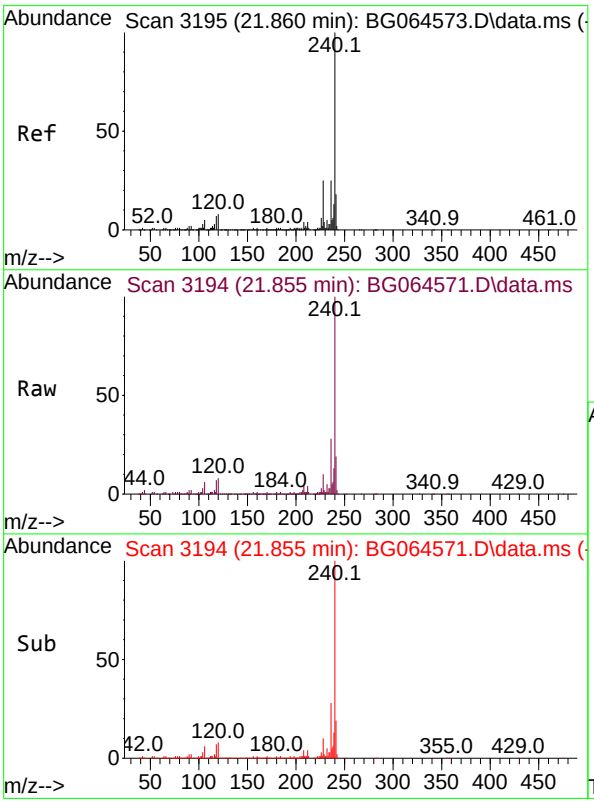
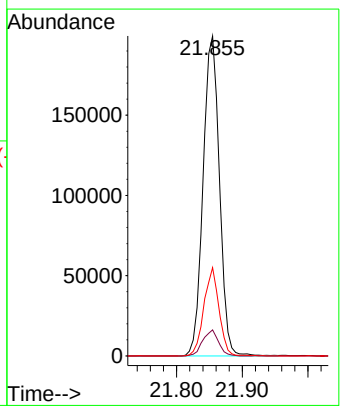
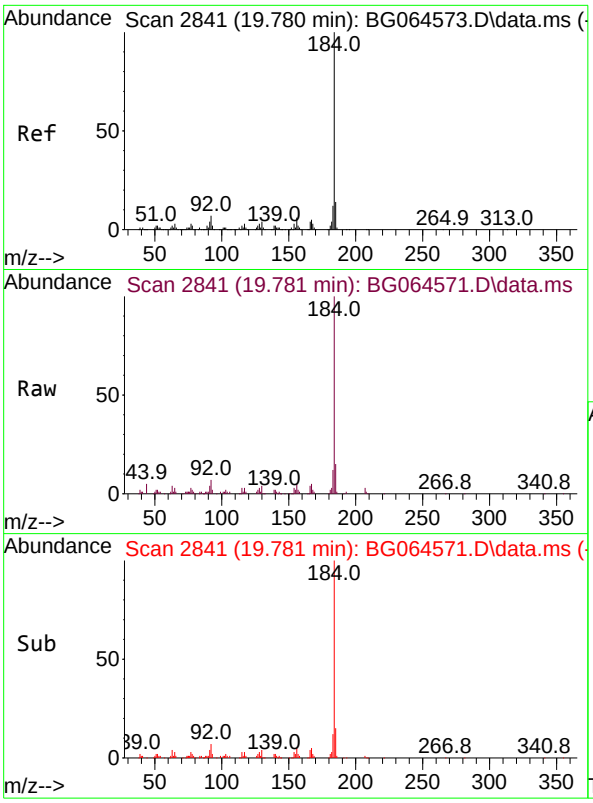


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.855 min Scan# 3194
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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. 0.001 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

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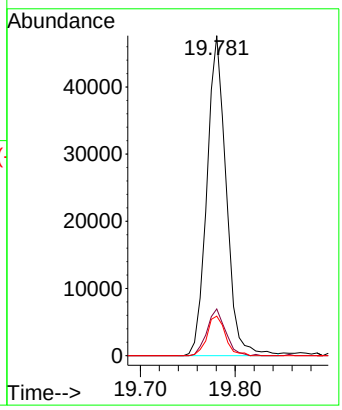
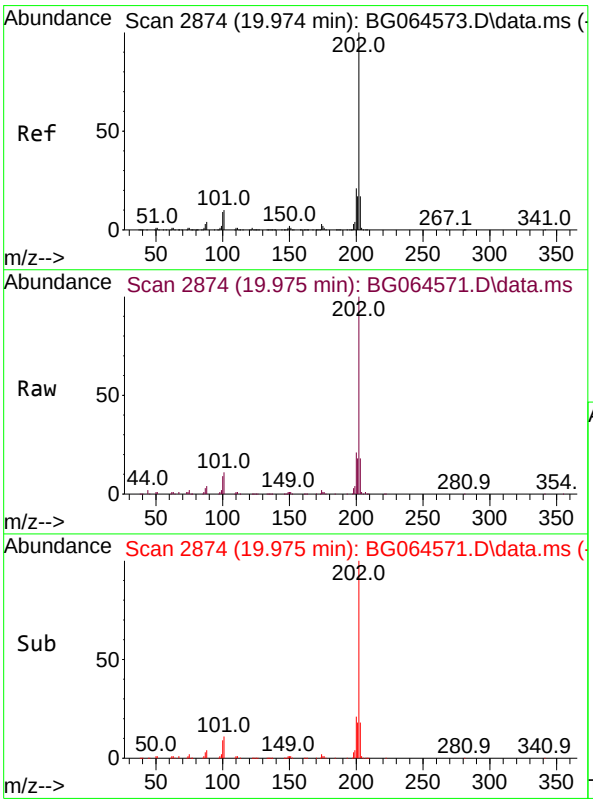
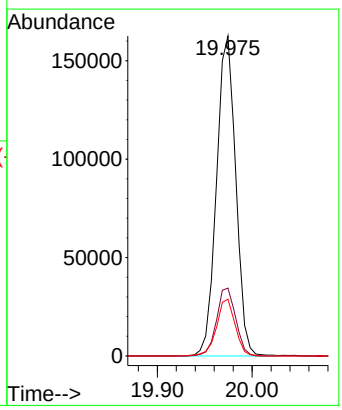


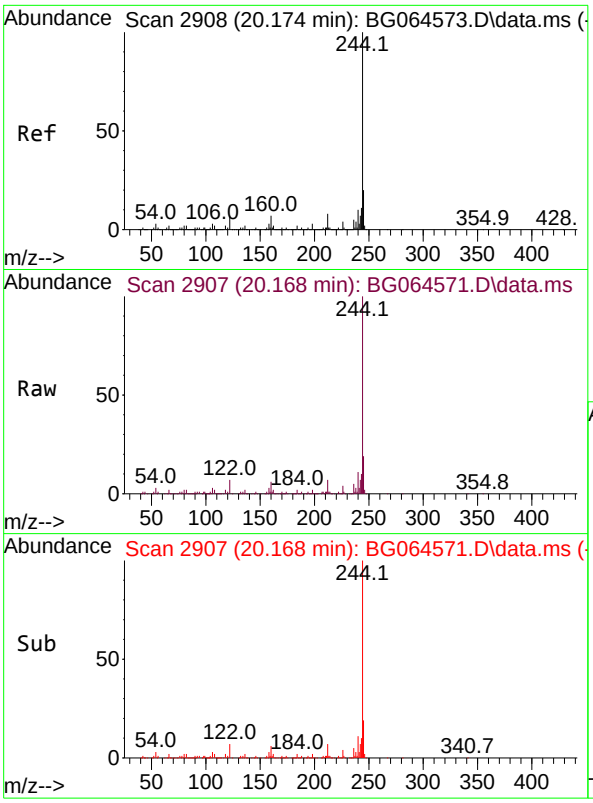


#78
Pyrene
Concen: 10.186 ng
RT: 19.975 min Scan# 2874
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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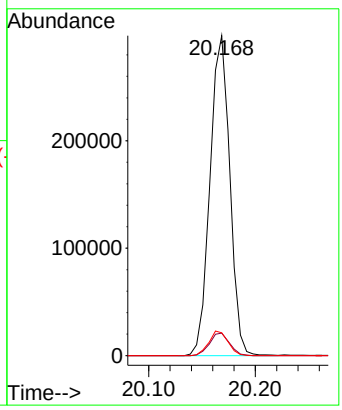
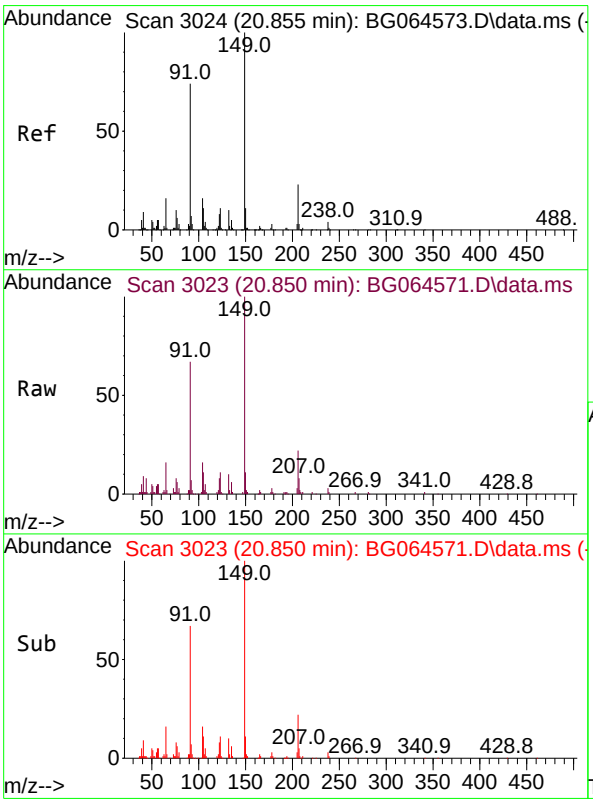
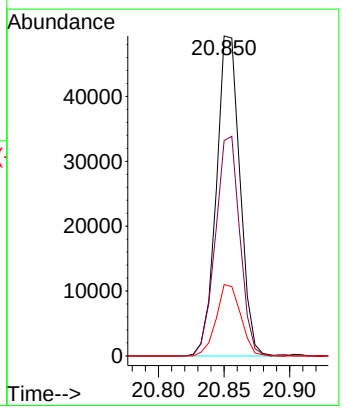


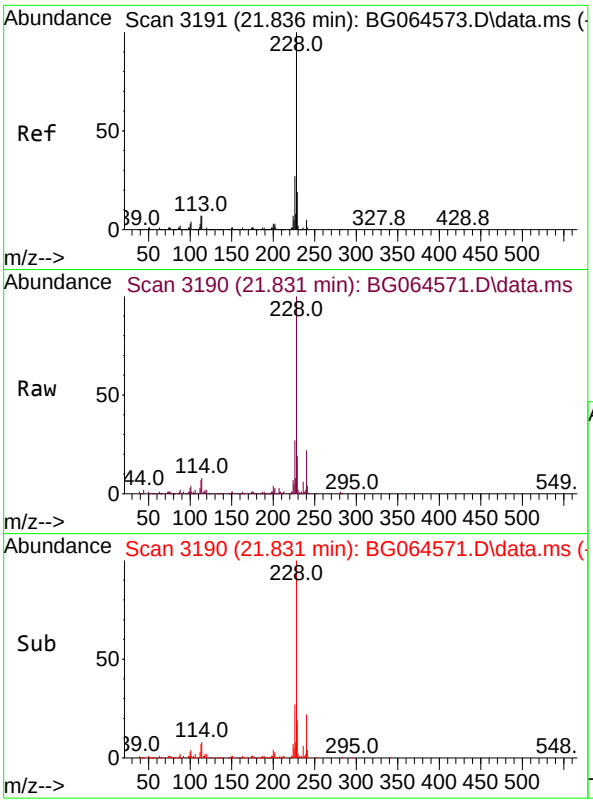


#80
Butylbenzylphthalate
Concen: 9.080 ng
RT: 20.850 min Scan# 3023
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

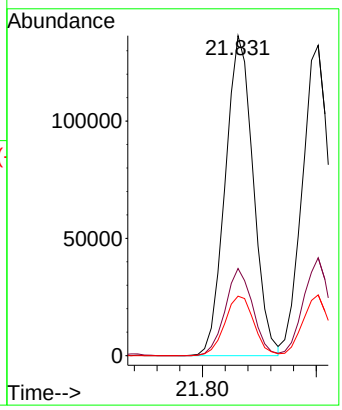




#81
Benzo(a)anthracene
Concen: 10.219 ng
RT: 21.831 min Scan# 31
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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 :
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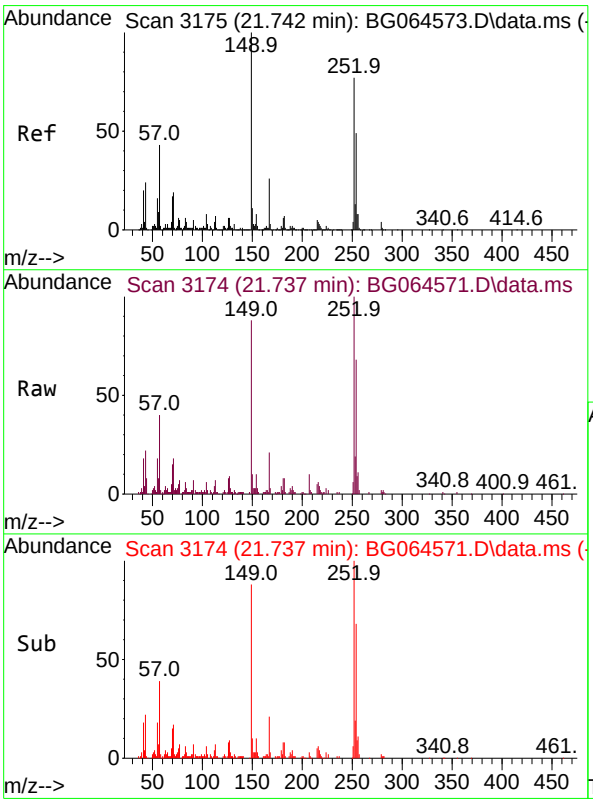
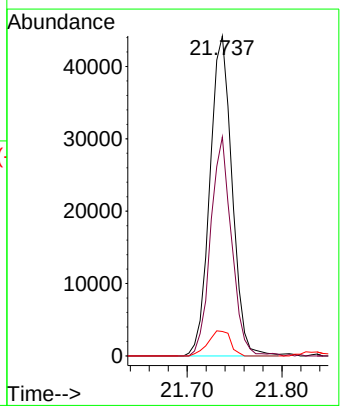
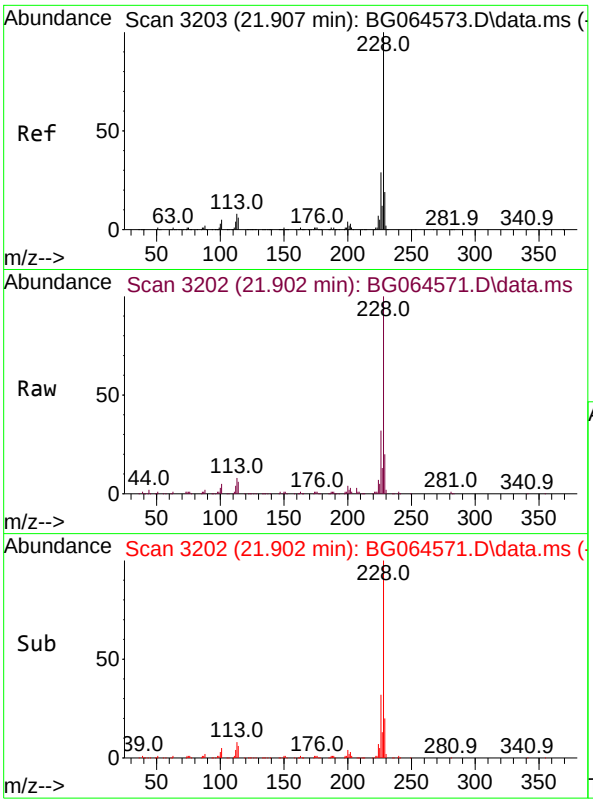


#82
3,3'-Dichlorobenzidine
Concen: 9.448 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

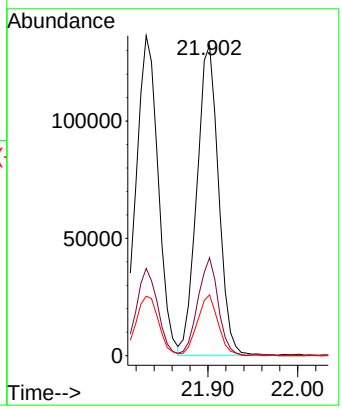




#83
Chrysene
Concen: 10.231 ng
RT: 21.902 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

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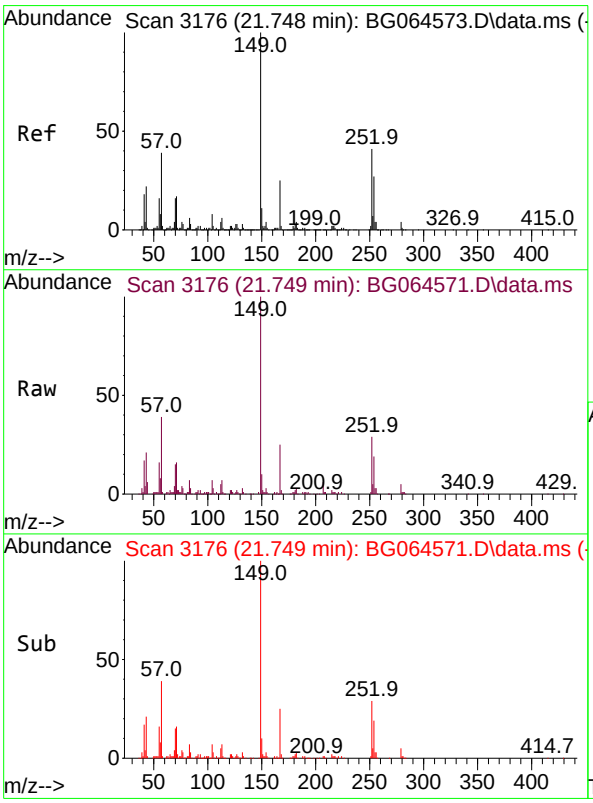
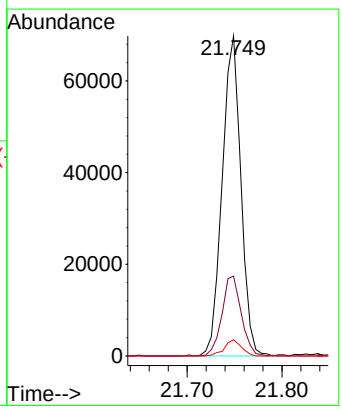
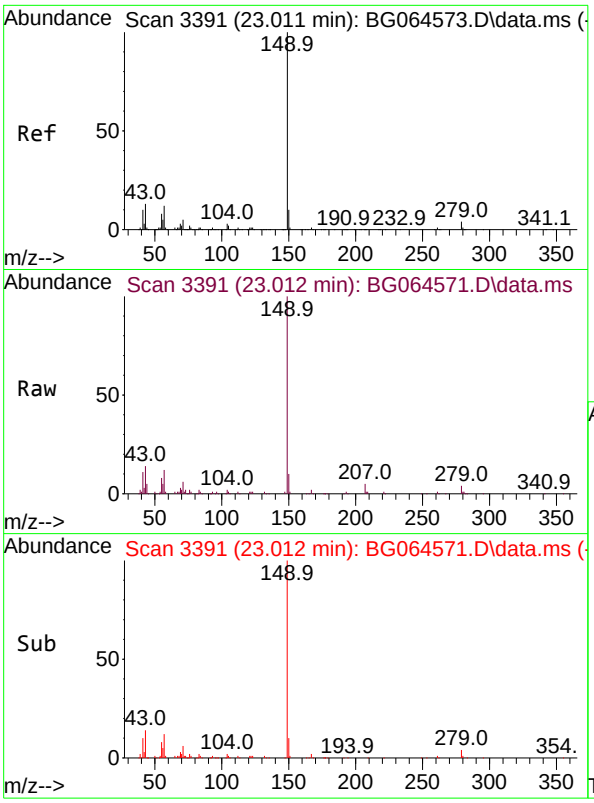


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.410 ng
RT: 21.749 min Scan# 3176
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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. 0.001 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

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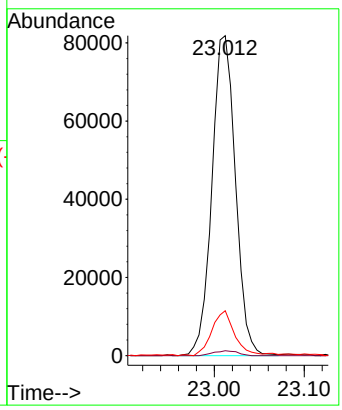
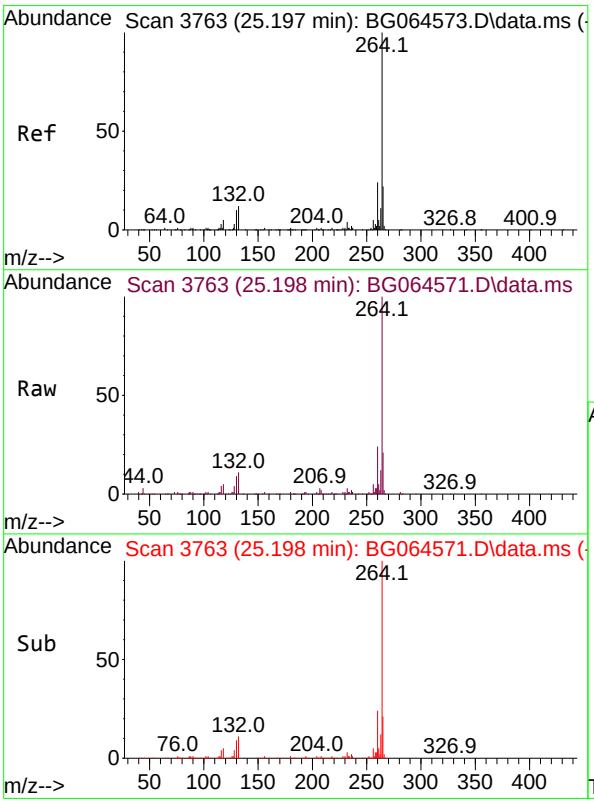
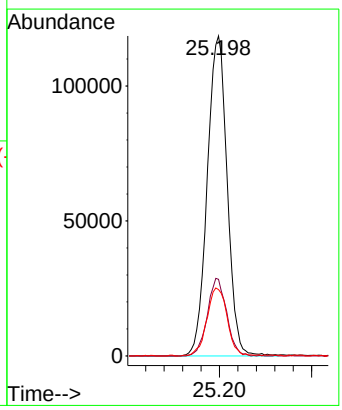


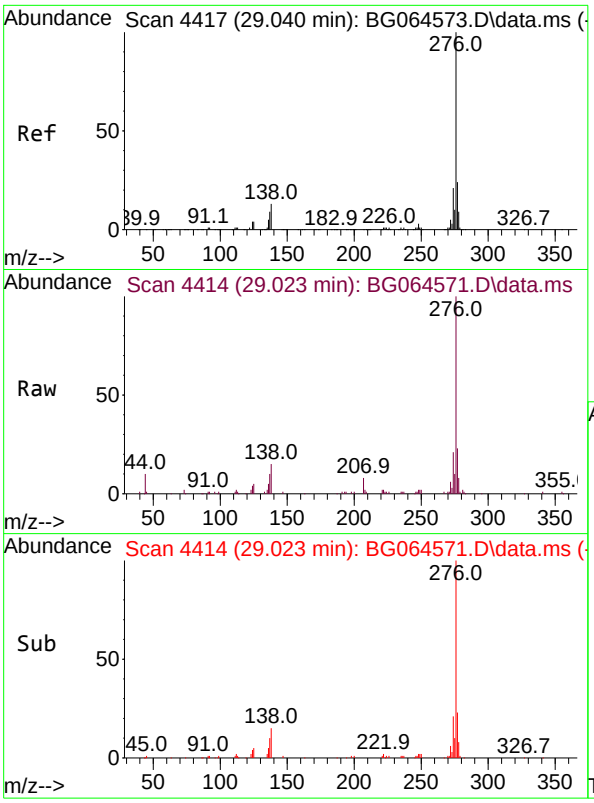


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3763
Delta R.T. 0.001 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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. -0.017 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

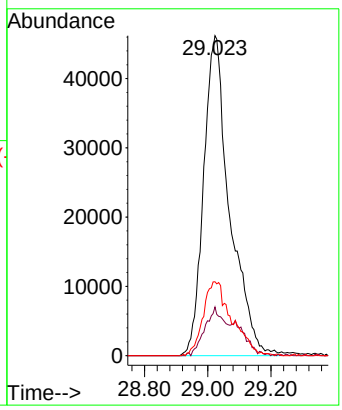
Tgt Ion:276 Resp: 26454

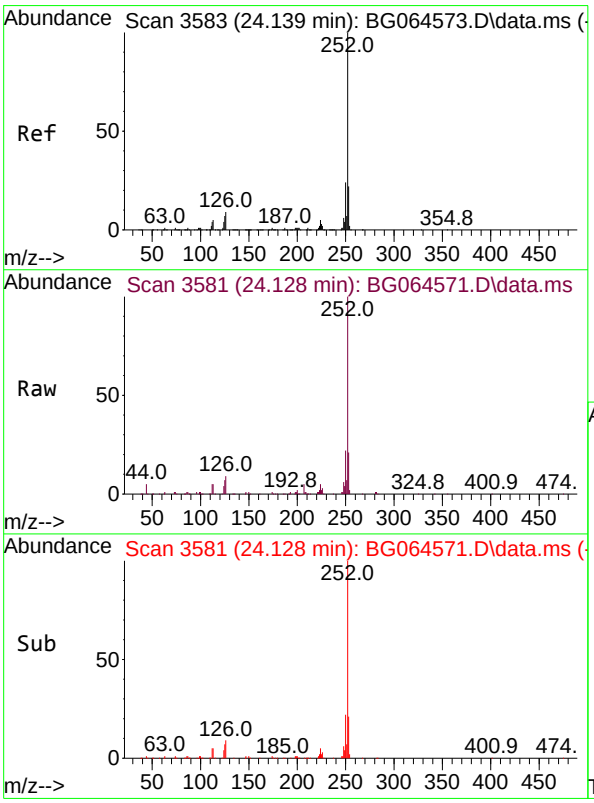
Ion	Ratio	Lower	Upper
276	100		
138	11.8	10.8	16.2
277	20.9	20.1	30.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

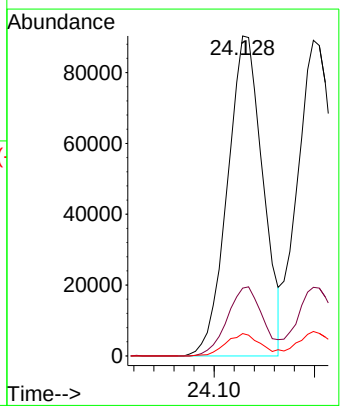


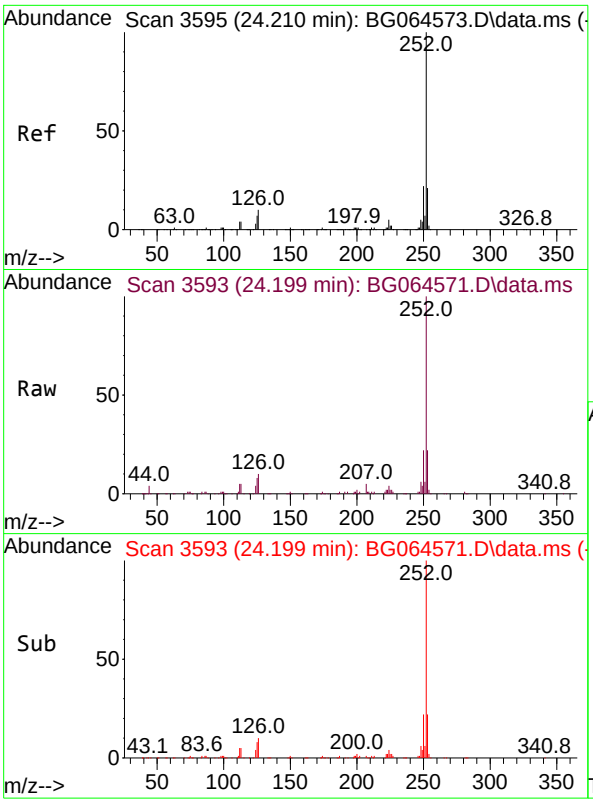


#88
Benzo(b)fluoranthene
Concen: 10.163 ng
RT: 24.128 min Scan# 3581
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

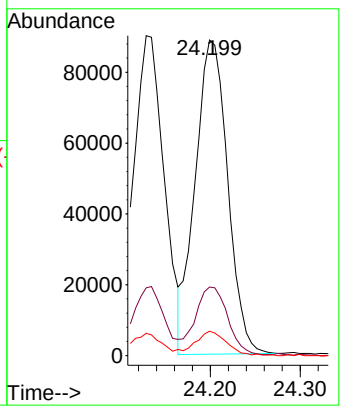




#89
Benzo(k)fluoranthene
Concen: 10.270 ng
RT: 24.199 min Scan# 3
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 22367

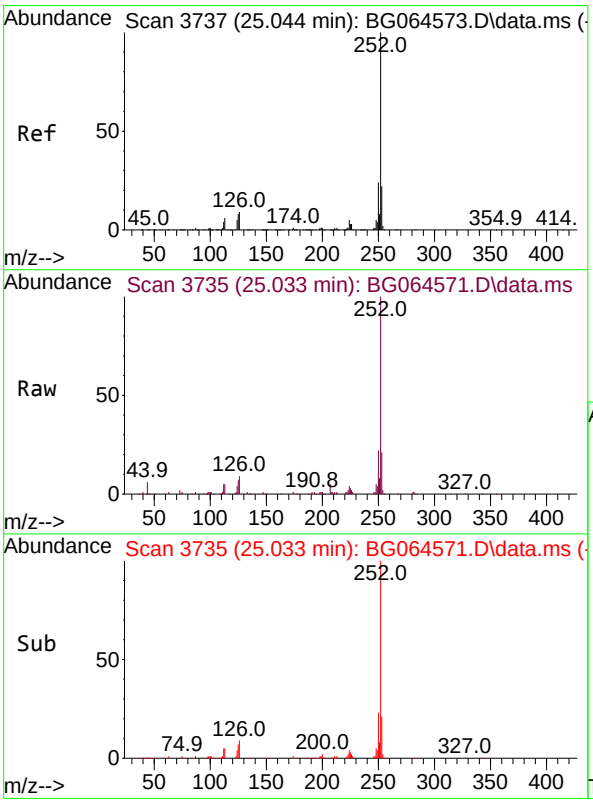
Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.8	25.2
125	7.7	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

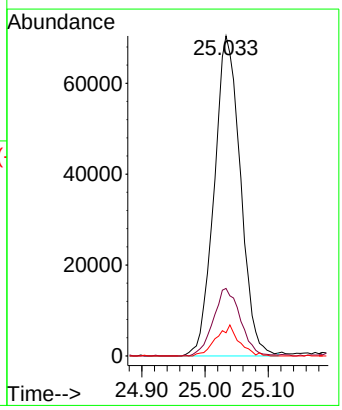
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

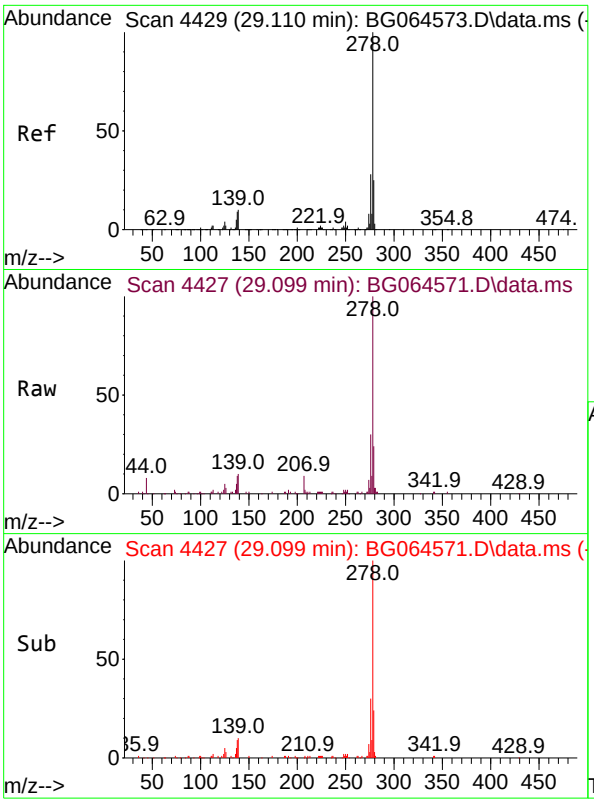


#90
Benzo(a)pyrene
Concen: 10.146 ng
RT: 25.033 min Scan# 3735
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

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

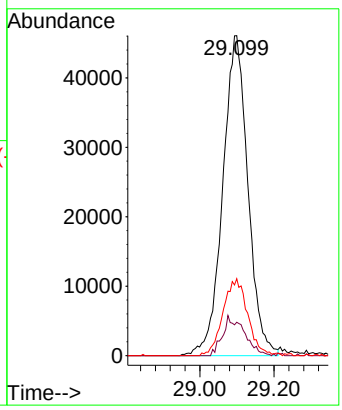




#91
Dibenzo(a,h)anthracene
Concen: 10.235 ng
RT: 29.099 min Scan# 44
Delta R.T. -0.011 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:278 Resp: 21711

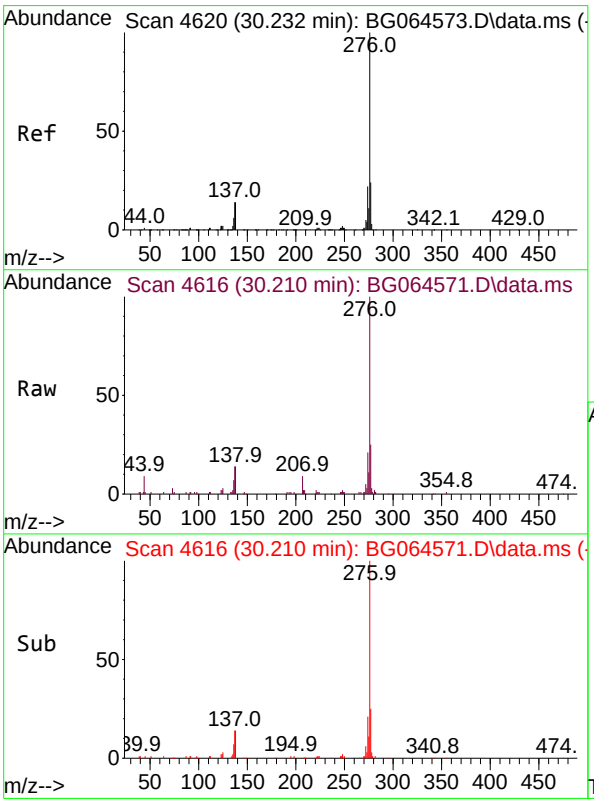
Ion	Ratio	Lower	Upper
278	100		
139	10.4	8.0	12.0
279	24.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

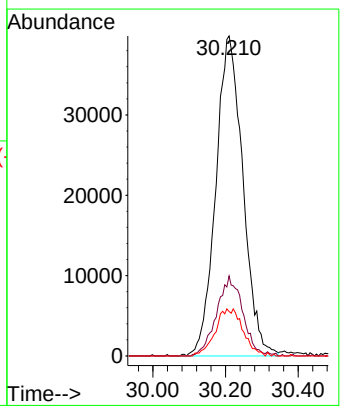
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 10.173 ng
RT: 30.210 min Scan# 4616
Delta R.T. -0.023 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:276 Resp: 206153

Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.1	28.7
138	13.9	11.3	16.9



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

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:00:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

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	7.624	93	60495	19.439	ng		93
12) 1,3-Dichlorobenzene	8.112	146	65241	19.415	ng		99
13) 1,4-Dichlorobenzene	8.259	146	67506	19.757	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	8.646	107	55174	19.632	ng		97
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	19.211	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	31567m	18.155	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	19.266	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 :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:00:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 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	30.221	276	468496	19.067	ng		99

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

Quantitation Report (QT Reviewed)

ICAL Form

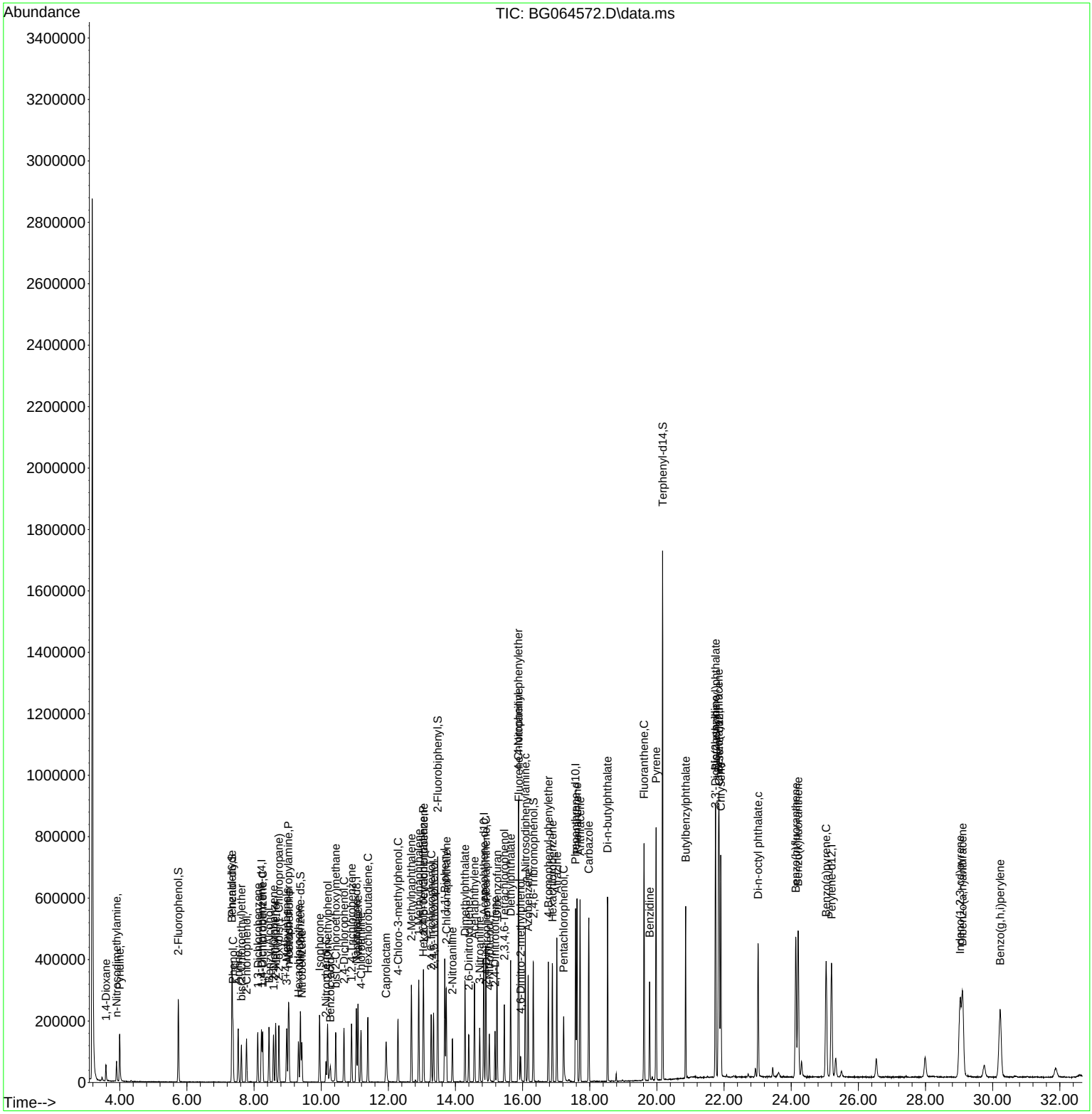
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064572.D
Acq On : 24 Oct 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

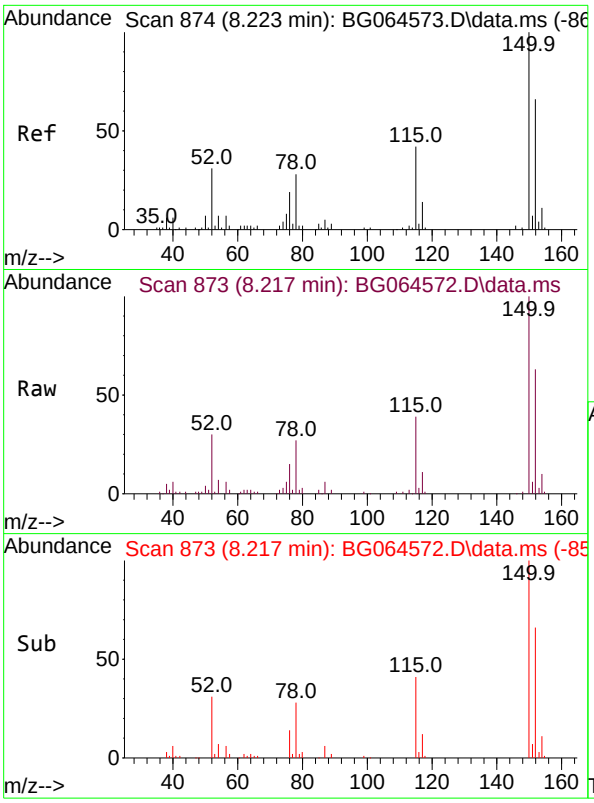
Quant Time: Nov 03 18:00:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

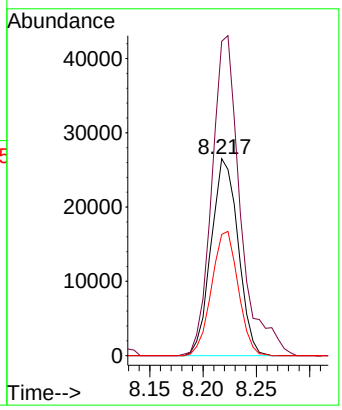


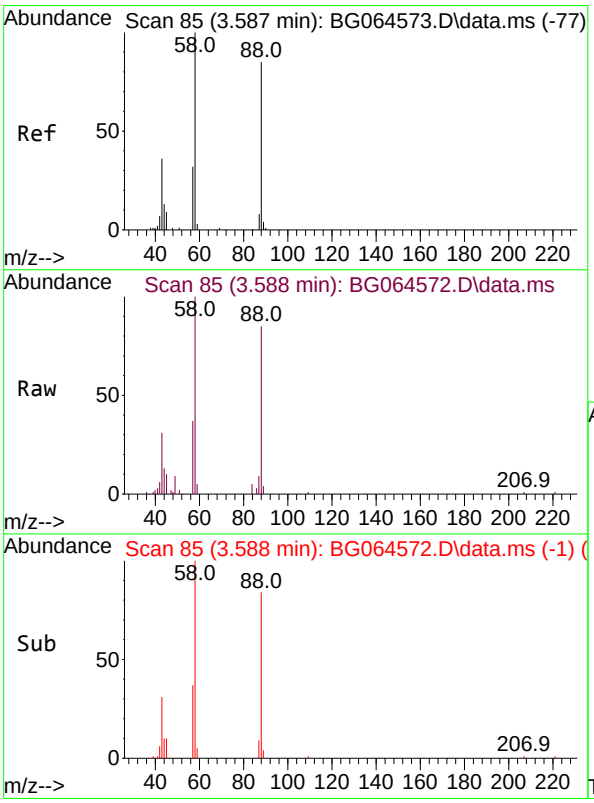


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 8
Delta R.T. -0.006 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

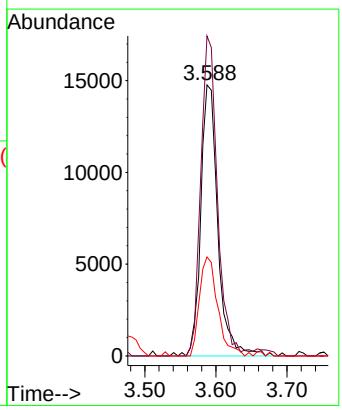




#2
1,4-Dioxane
Concen: 19.867 ng
RT: 3.588 min Scan# 85
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 88 Resp: 24533

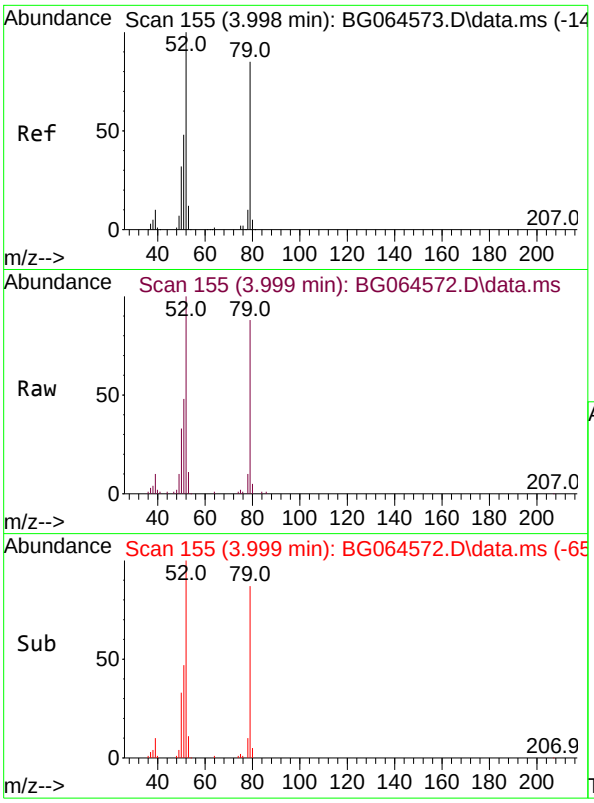
Ion	Ratio	Lower	Upper
88	100		
58	114.9	92.4	138.6
43	38.9	33.0	49.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

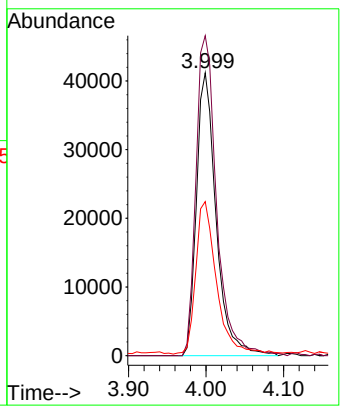
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025



#3
Pyridine
Concen: 19.593 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 79 Resp: 7266

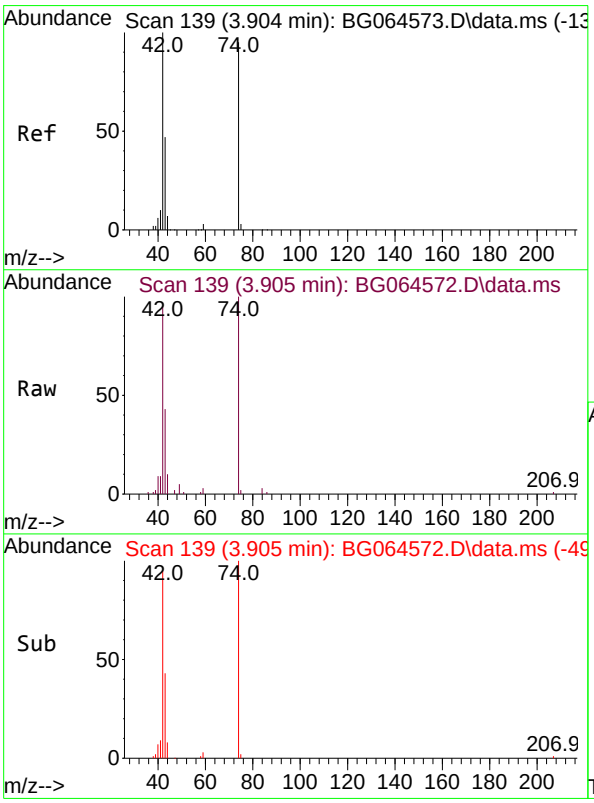
Ion	Ratio	Lower	Upper
79	100		
52	113.1	94.2	141.2
51	54.4	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

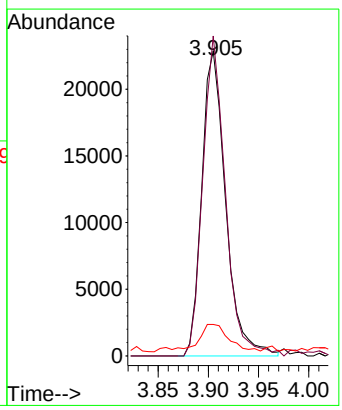
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

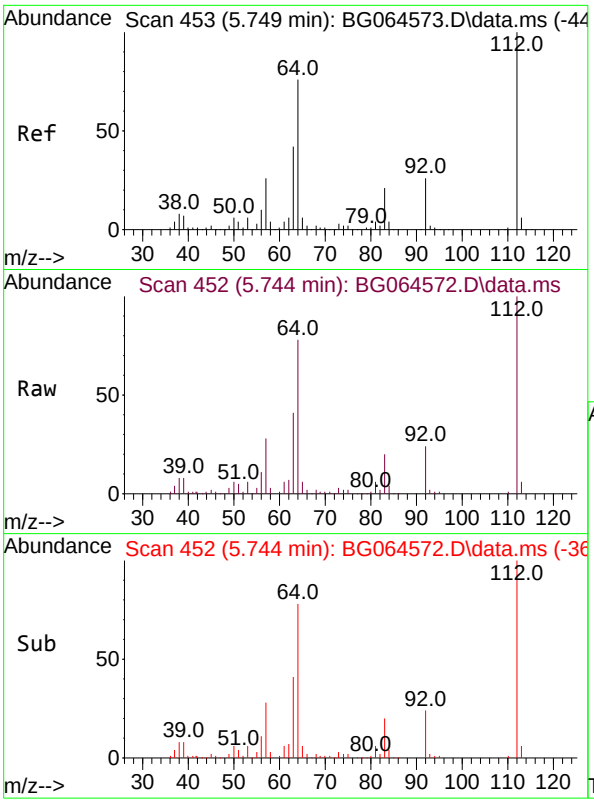


#4
n-Nitrosodimethylamine
Concen: 19.007 ng
RT: 3.905 min Scan# 139
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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#

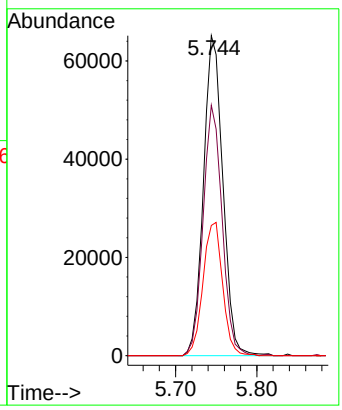




#5
2-Fluorophenol
Concen: 38.764 ng
RT: 5.744 min Scan# 4
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

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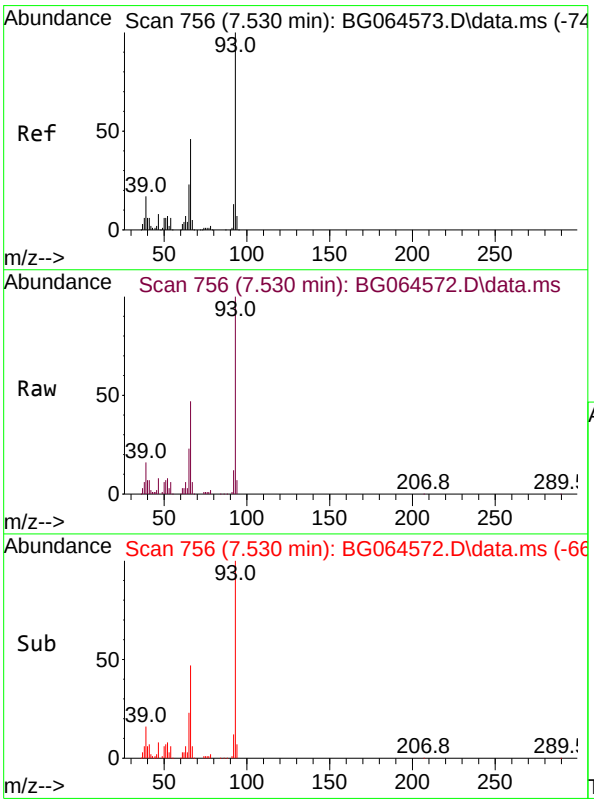
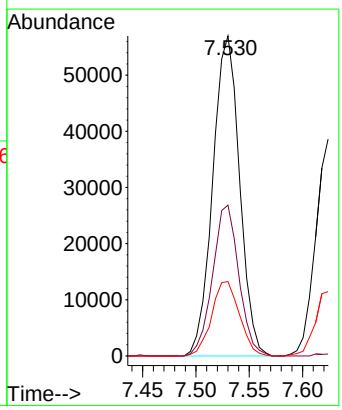
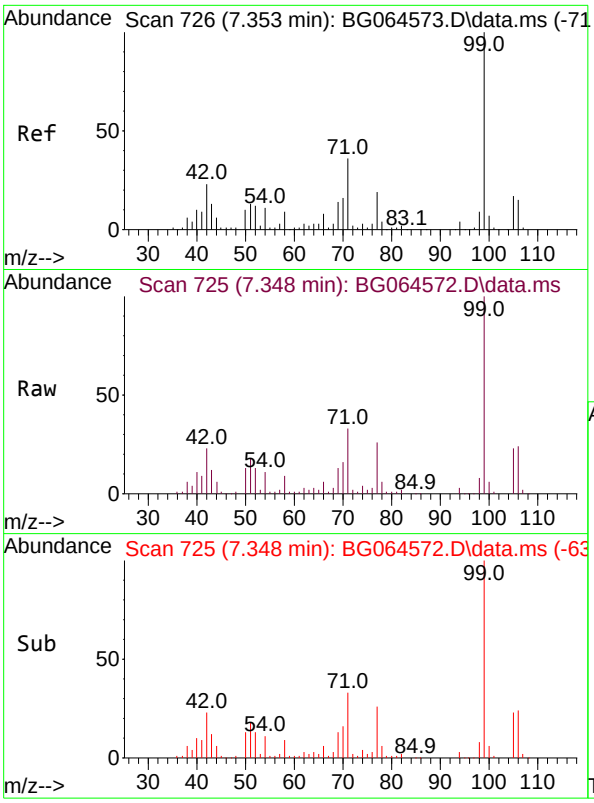


#6
Aniline
Concen: 19.155 ng
RT: 7.530 min Scan# 756
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

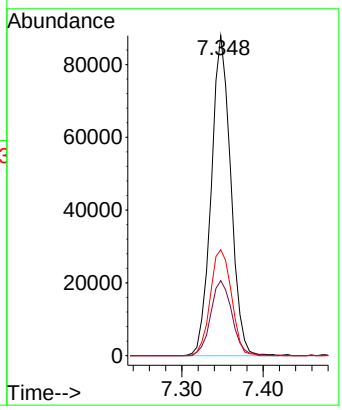




#7
Phenol-d6
Concen: 38.304 ng
RT: 7.348 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
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ClientSampleId :
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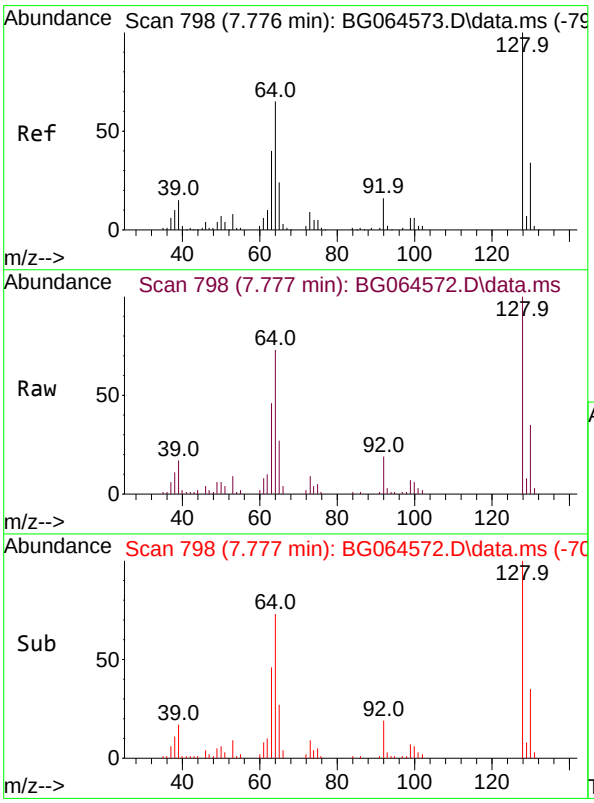
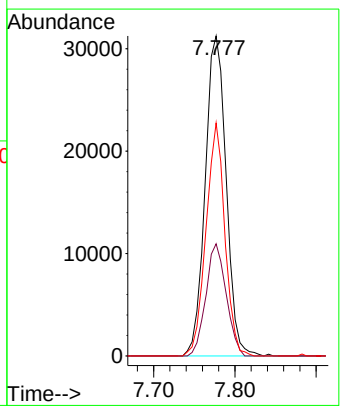
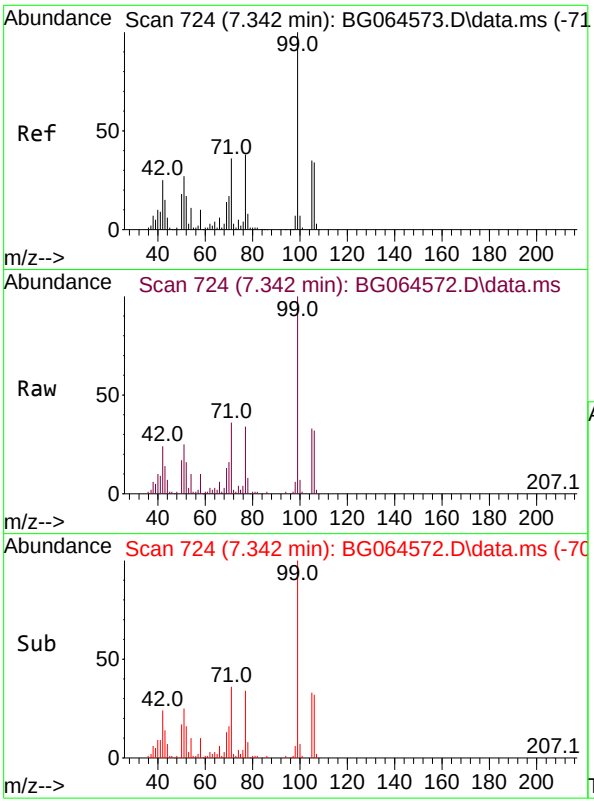


#8
2-Chlorophenol
Concen: 19.187 ng
RT: 7.777 min Scan# 798
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

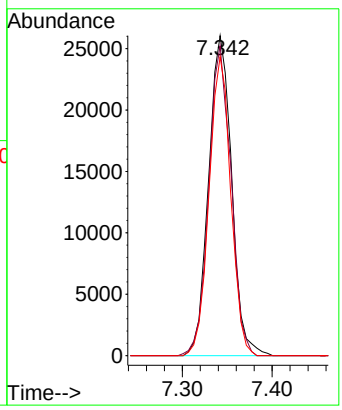




#9
Benzaldehyde
Concen: 22.273 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
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ClientSampleId :
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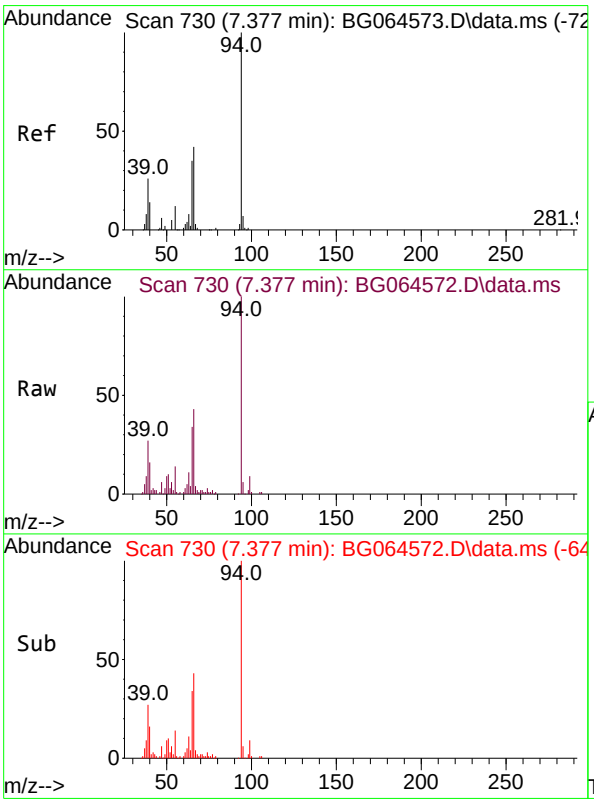
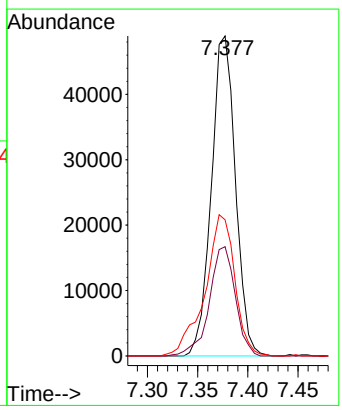
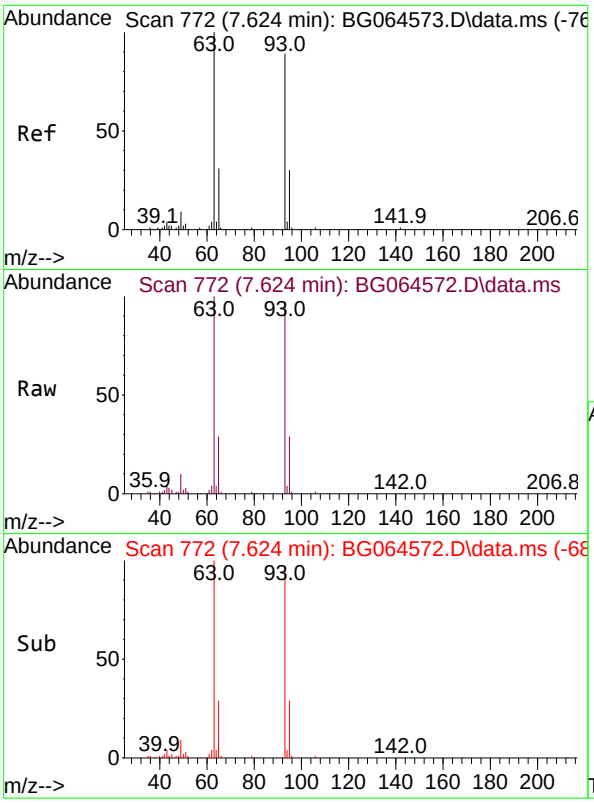


#10
Phenol
Concen: 19.337 ng
RT: 7.377 min Scan# 730
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

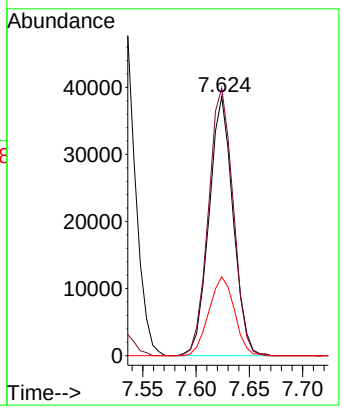




#11
bis(2-Chloroethyl)ether
Concen: 19.439 ng
RT: 7.624 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 93 Resp: 6049

Ion	Ratio	Lower	Upper
93	100		
63	103.3	91.3	131.3
95	30.4	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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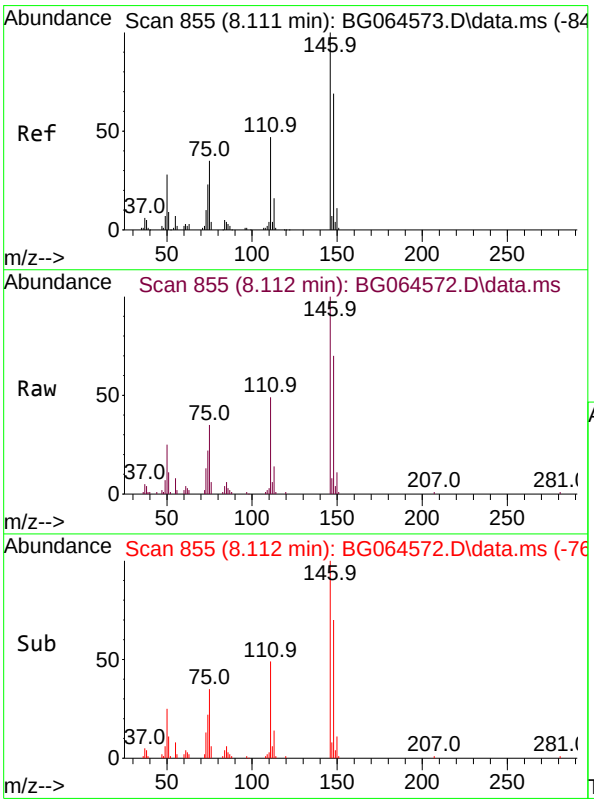
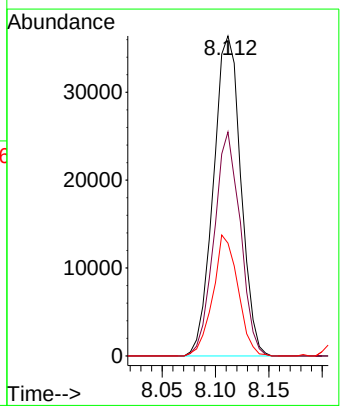
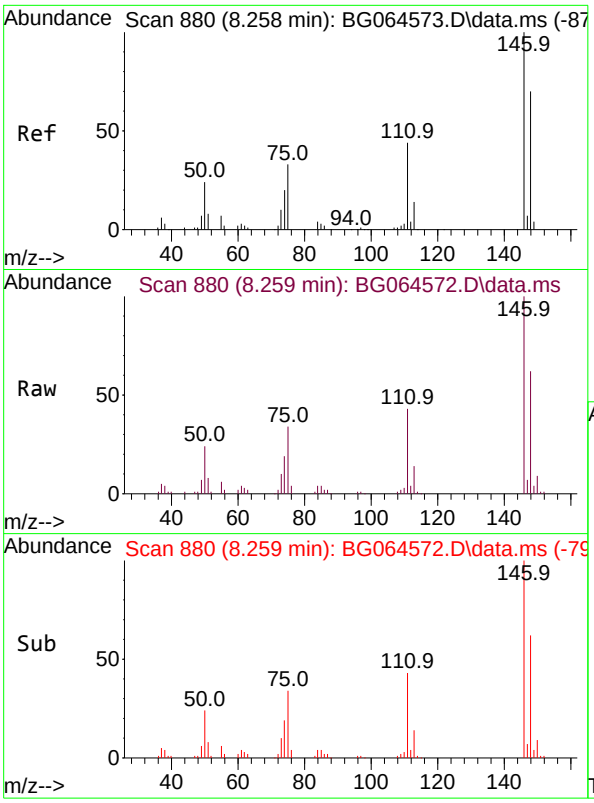


#12
1,3-Dichlorobenzene
Concen: 19.415 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

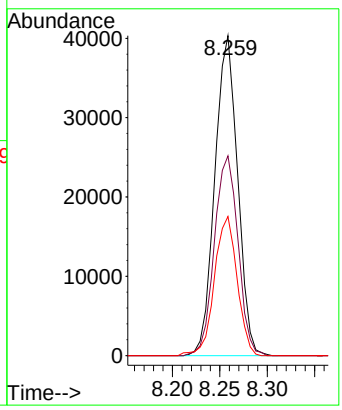




#13
1,4-Dichlorobenzene
Concen: 19.757 ng
RT: 8.259 min Scan# 88
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
BNA_G
ClientSampleId :
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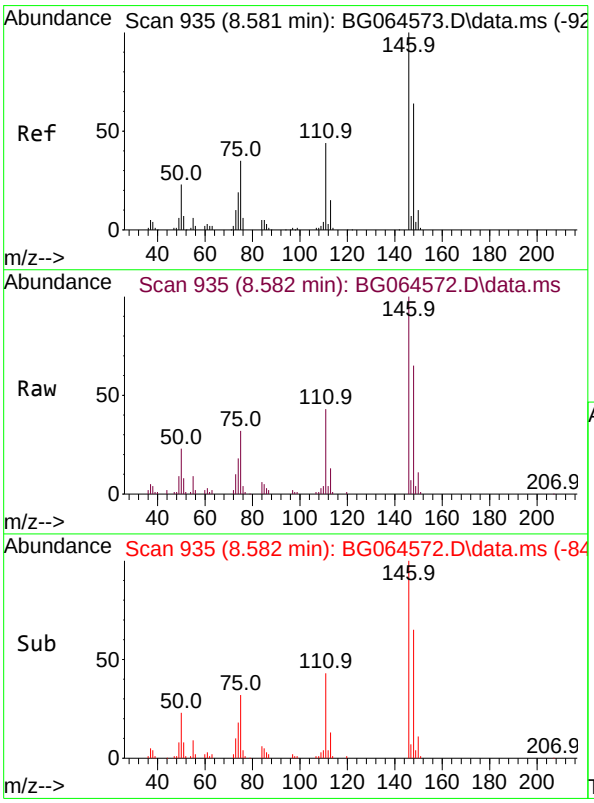
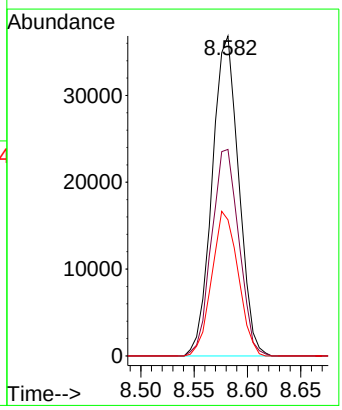
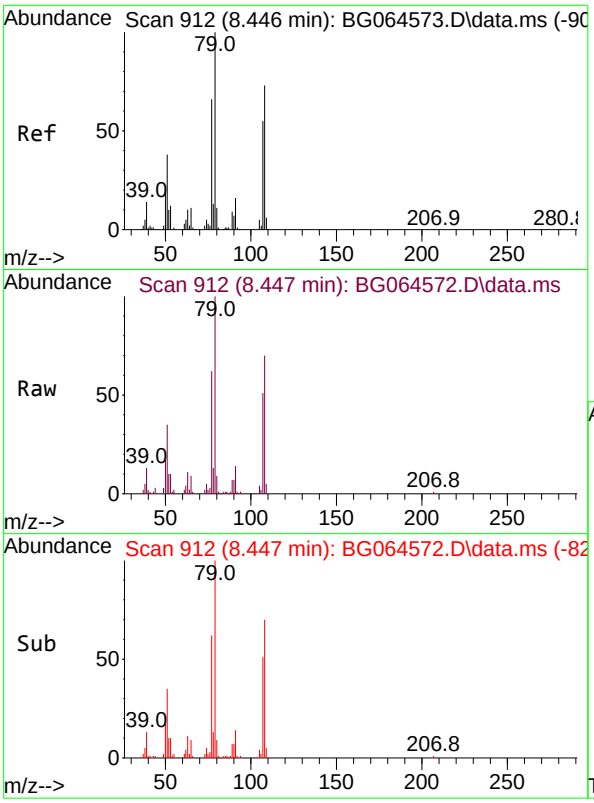


#14
1,2-Dichlorobenzene
Concen: 19.380 ng
RT: 8.582 min Scan# 935
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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. 0.000 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 :
BNA_G
ClientSampleId :
SSTDICC020

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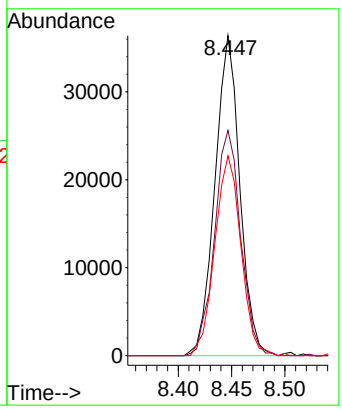
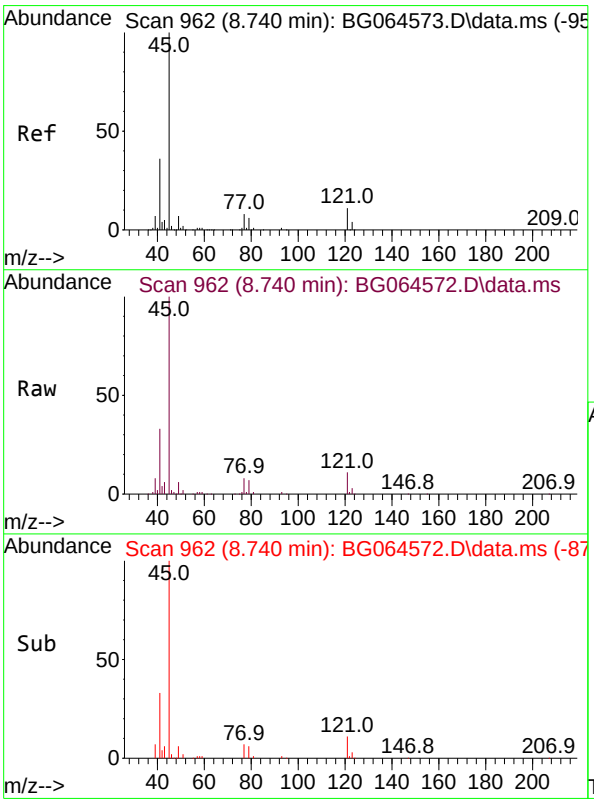
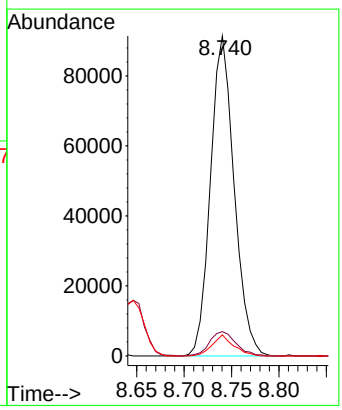


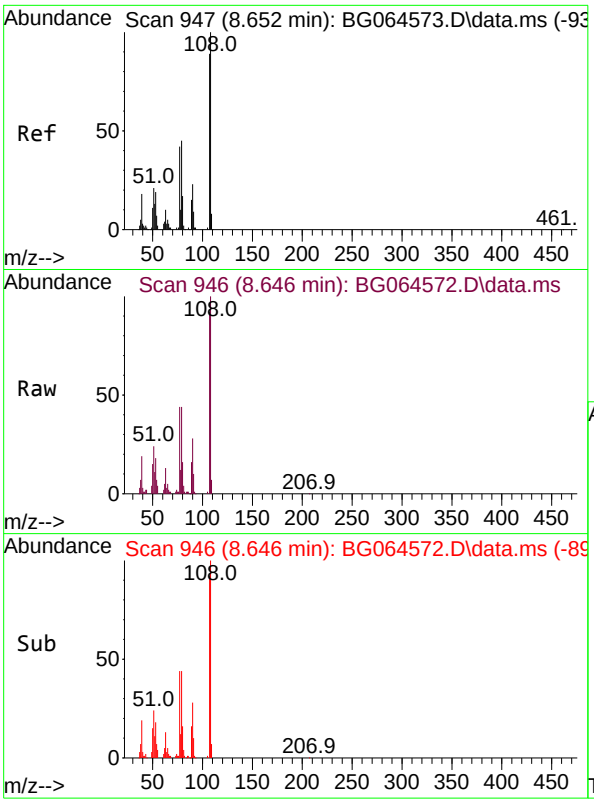


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.476 ng
RT: 8.740 min Scan# 962
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

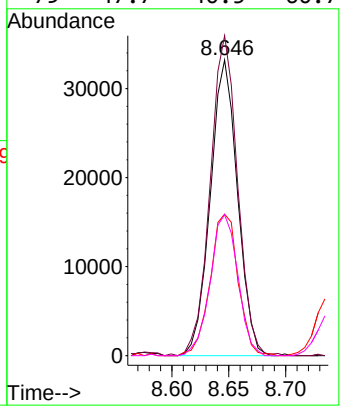




#17
2-Methylphenol
Concen: 19.632 ng
RT: 8.646 min Scan# 94
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:107 Resp: 5517

Ion	Ratio	Lower	Upper
107	100		
108	108.3	90.0	135.0
77	47.9	37.8	56.8
79	47.7	40.5	60.7



Instrument :
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ClientSampleId :
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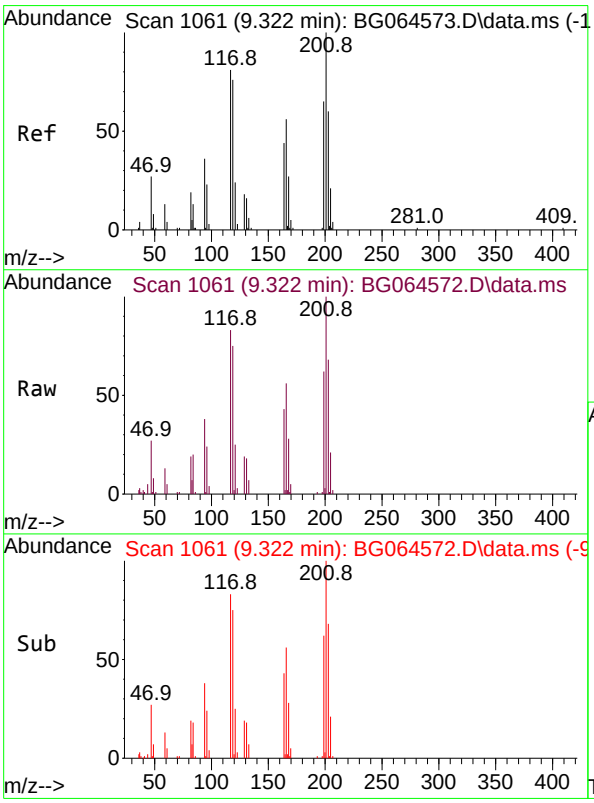
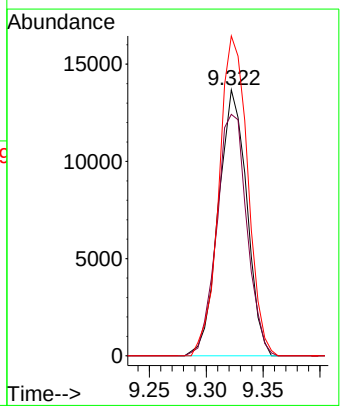
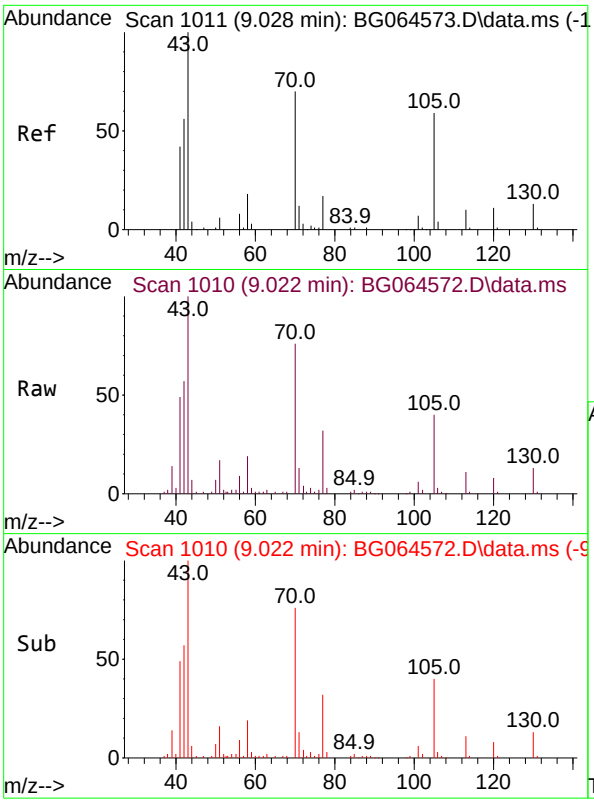


#18
Hexachloroethane
Concen: 19.735 ng
RT: 9.322 min Scan# 1061
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

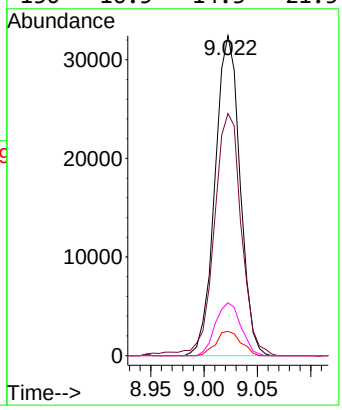




#19
n-Nitroso-di-n-propylamine
Concen: 19.982 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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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ClientSampleId :
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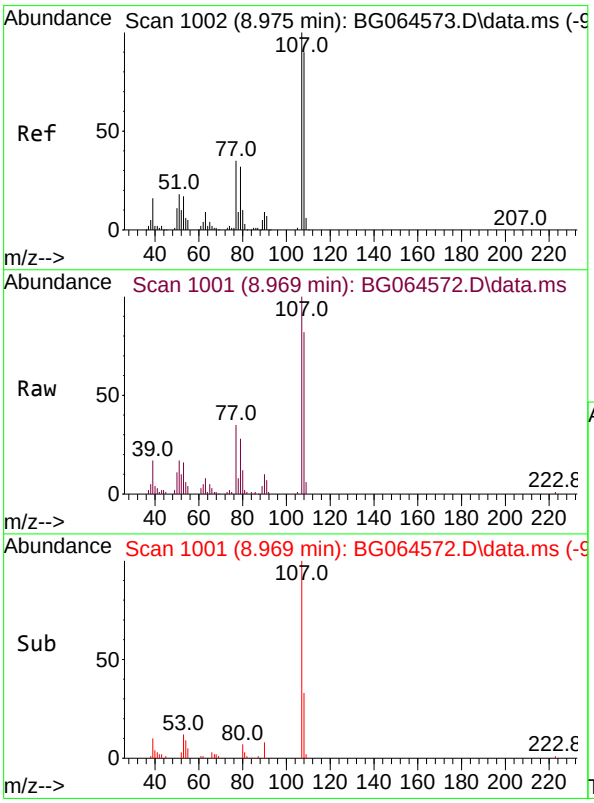
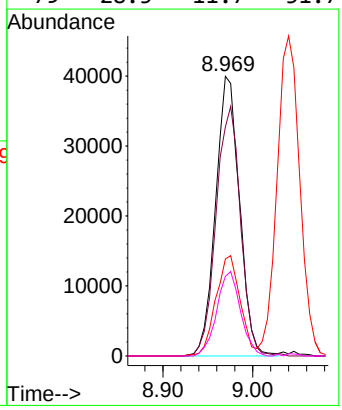
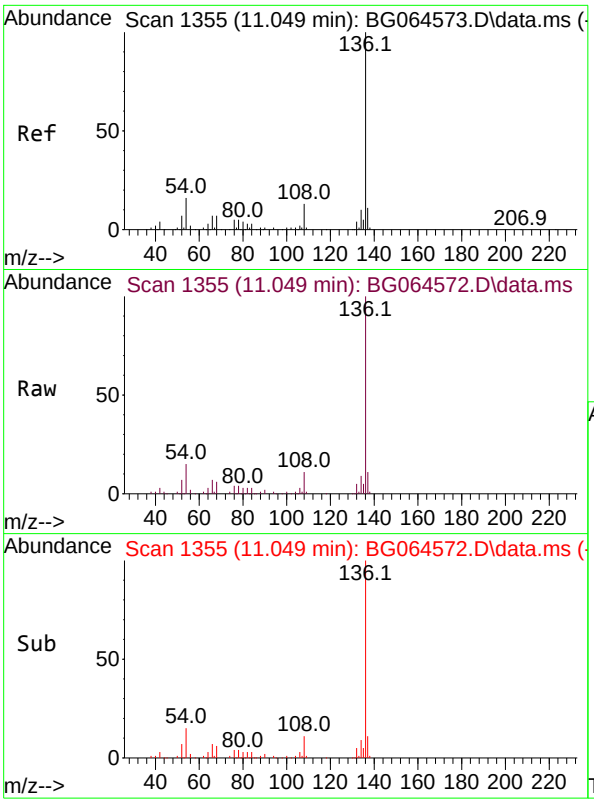


#20
3+4-Methylphenols
Concen: 18.730 ng
RT: 8.969 min Scan# 1001
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

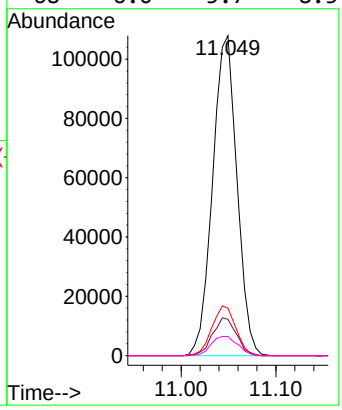




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
BNA_G
ClientSampleId :
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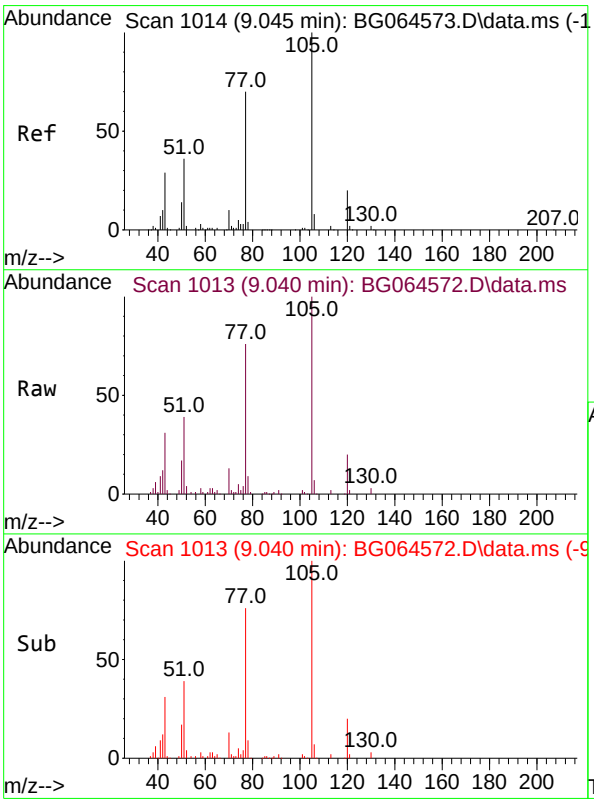
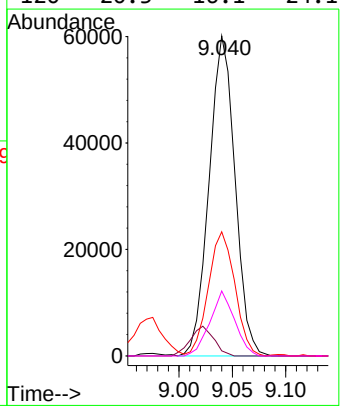
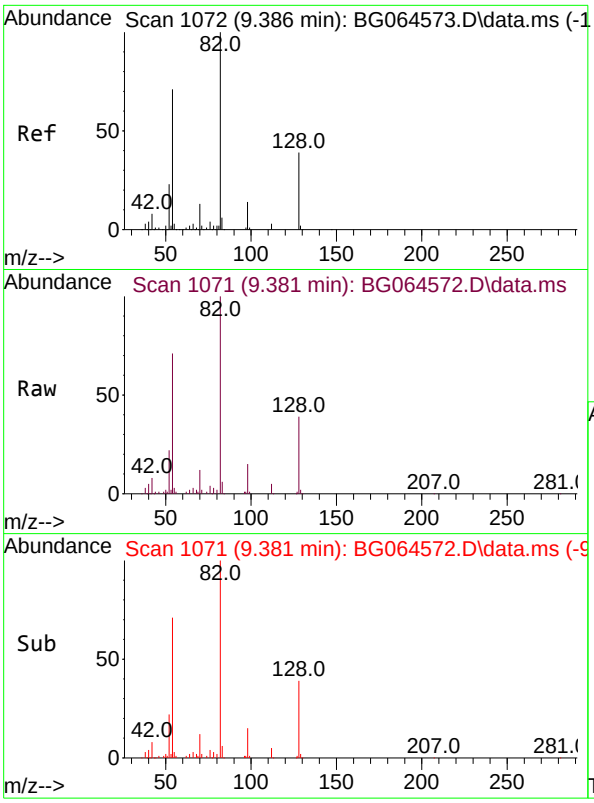


#22
Acetophenone
Concen: 19.328 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

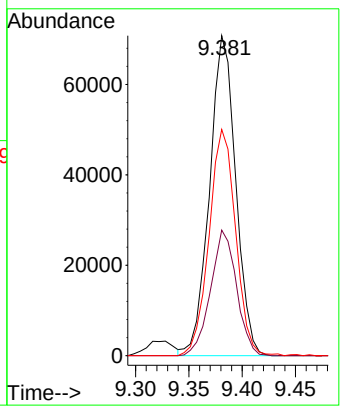




#23
Nitrobenzene-d5
Concen: 37.777 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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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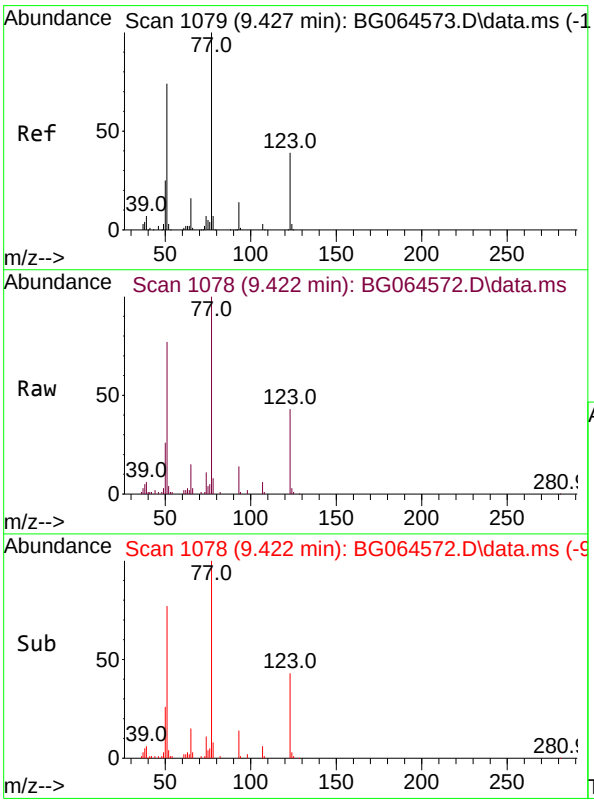
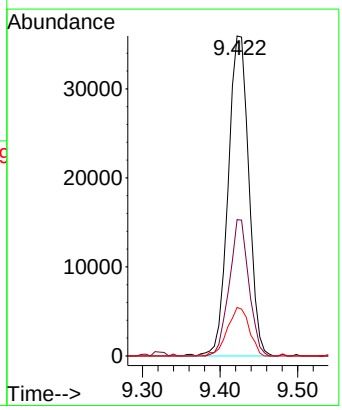
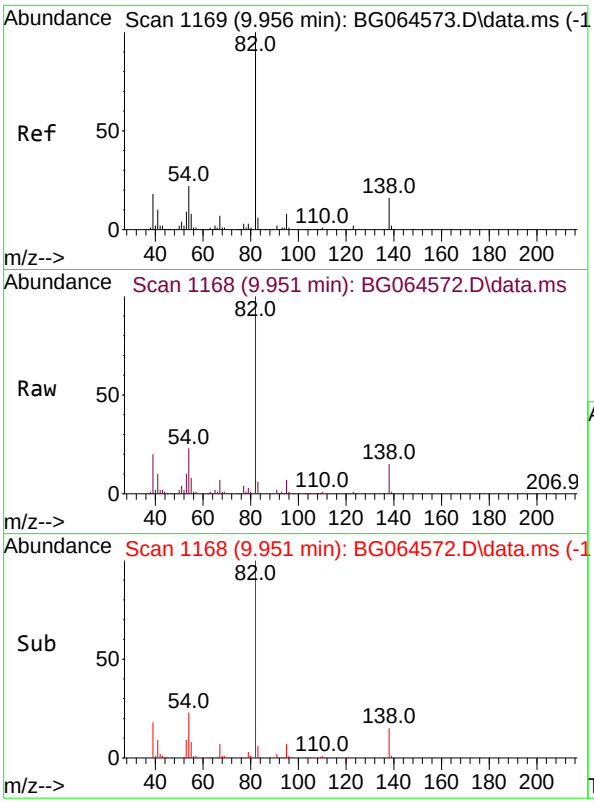


#24
Nitrobenzene
Concen: 19.012 ng
RT: 9.422 min Scan# 1078
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

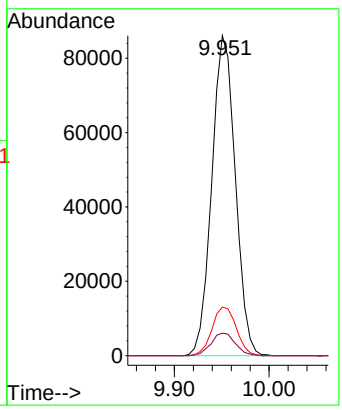




#25
Isophorone
Concen: 19.290 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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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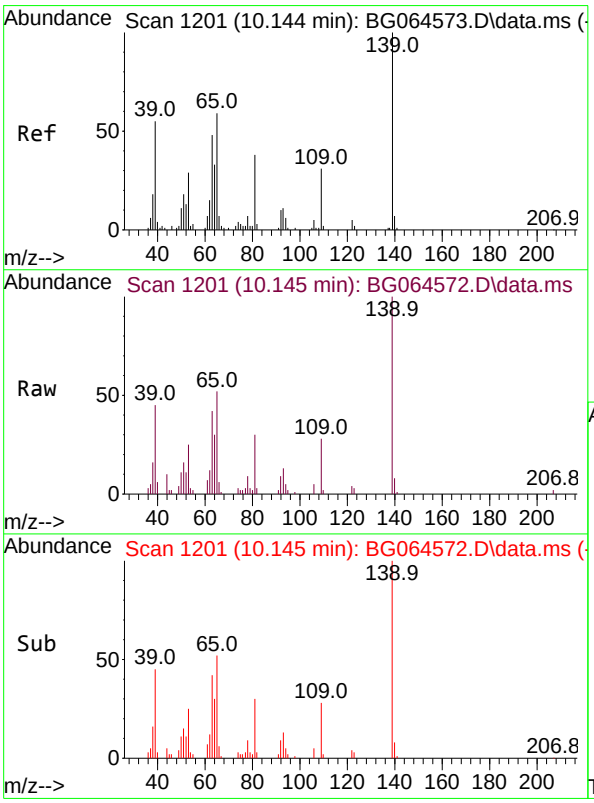
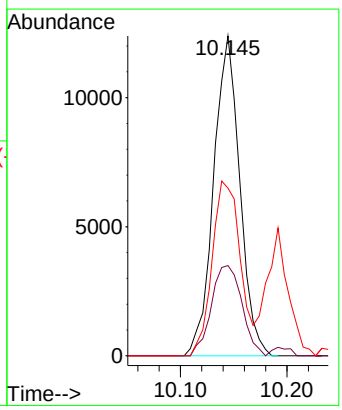
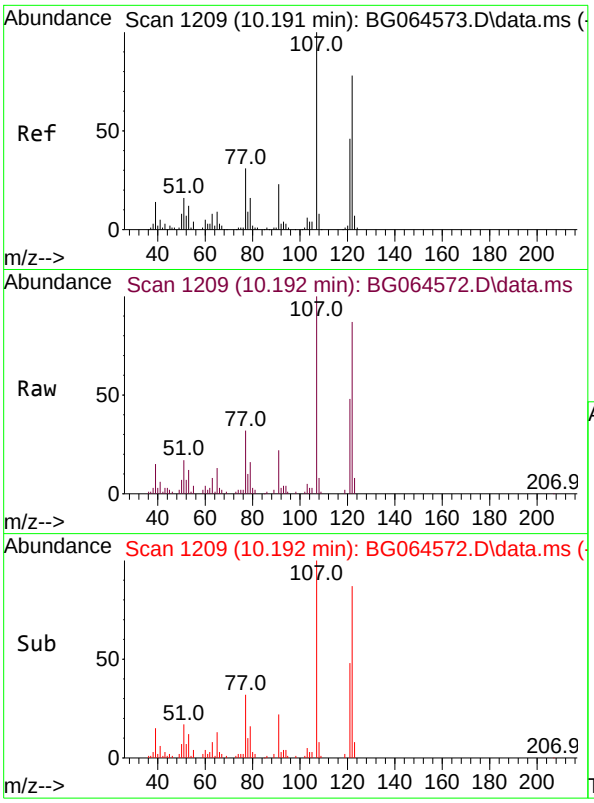


#26
2-Nitrophenol
Concen: 17.837 ng
RT: 10.145 min Scan# 1201
Delta R.T. 0.001 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

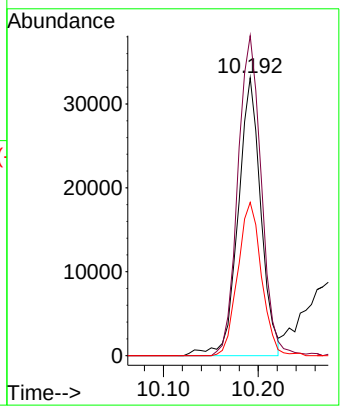




#27
2,4-Dimethylphenol
Concen: 19.211 ng
RT: 10.192 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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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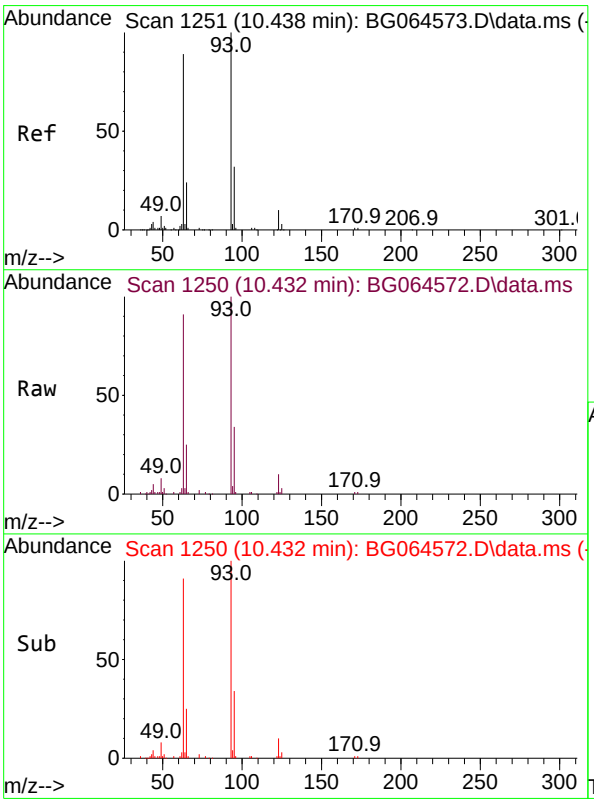
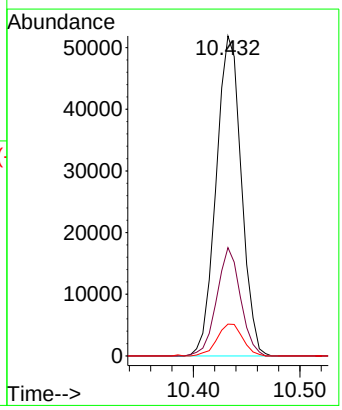
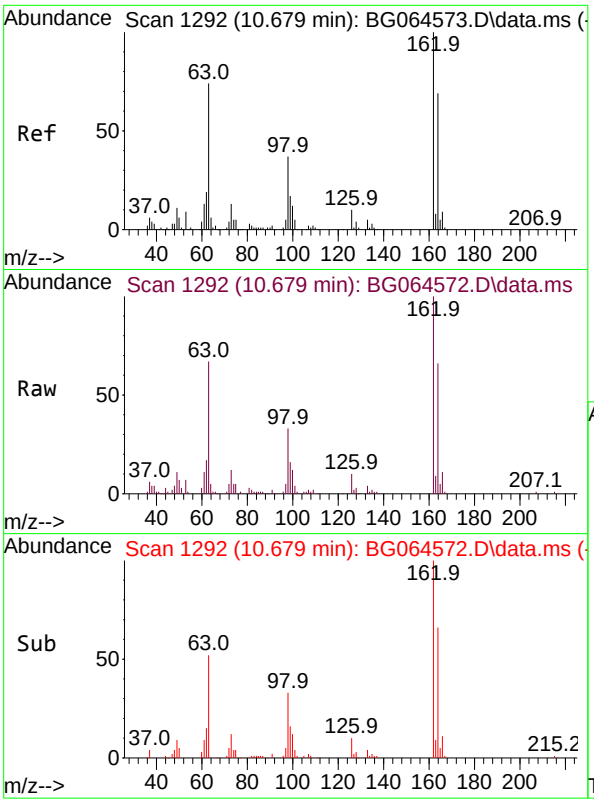


#28
bis(2-Chloroethoxy)methane
Concen: 19.458 ng
RT: 10.432 min Scan# 1250
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

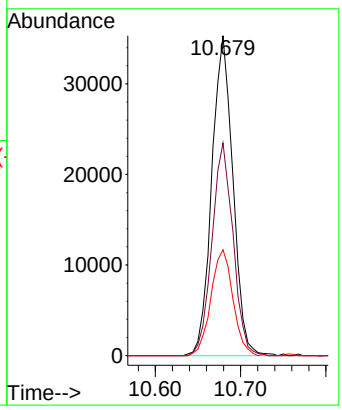




#29
2,4-Dichlorophenol
Concen: 19.710 ng
RT: 10.679 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
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ClientSampleId :
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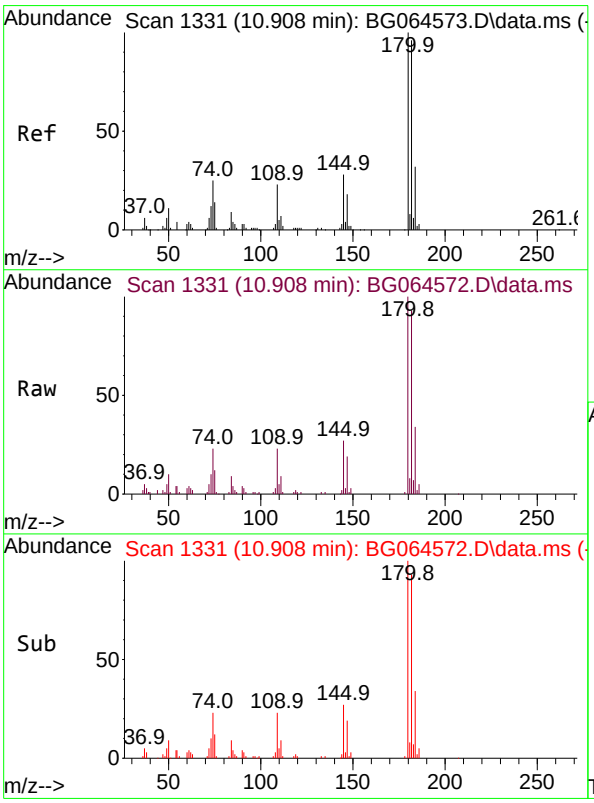
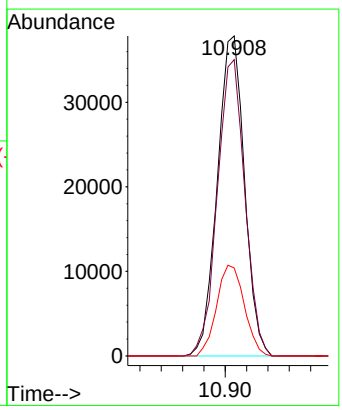
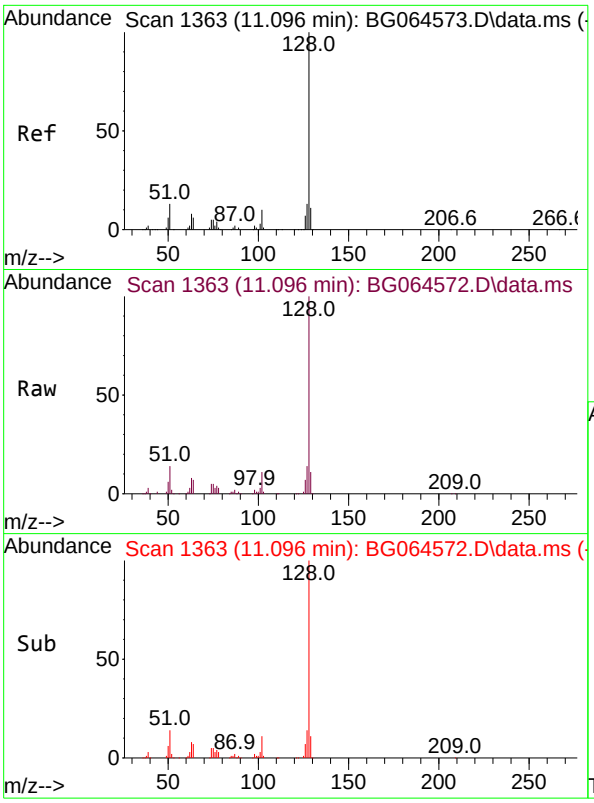


#30
1,2,4-Trichlorobenzene
Concen: 19.171 ng
RT: 10.908 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

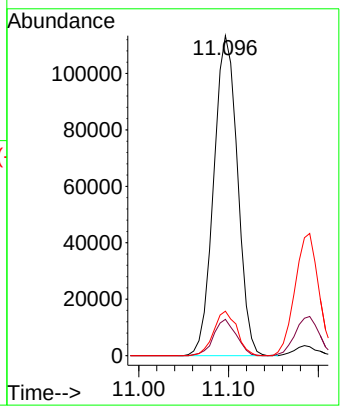




#31
Naphthalene
Concen: 19.552 ng
RT: 11.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
SSTDICC020

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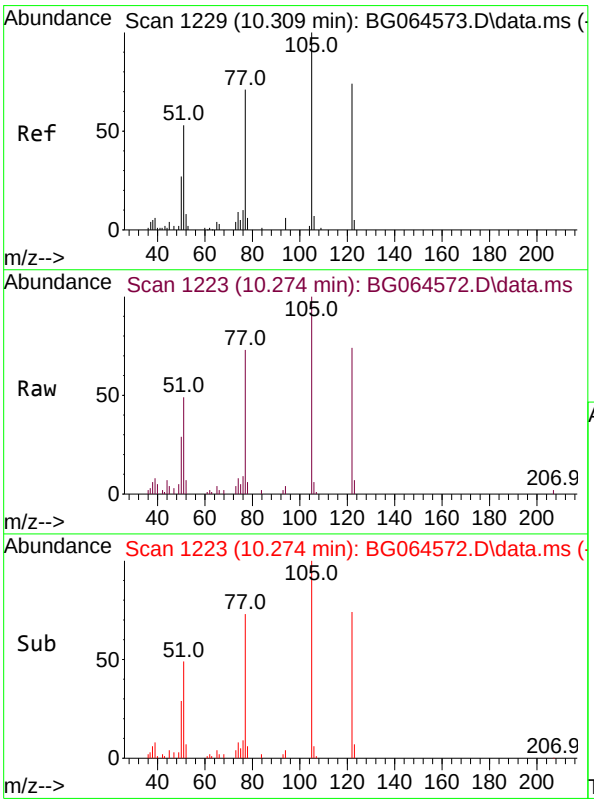
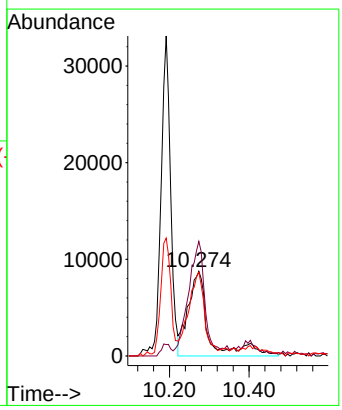
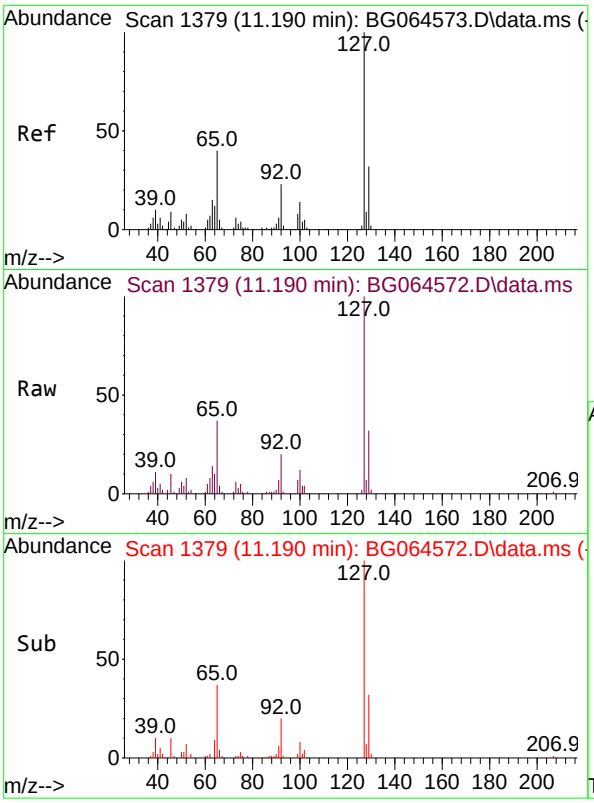


#32
Benzoic acid
Concen: 18.155 ng m
RT: 10.274 min Scan# 1223
Delta R.T. -0.035 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:122 Resp: 31567

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

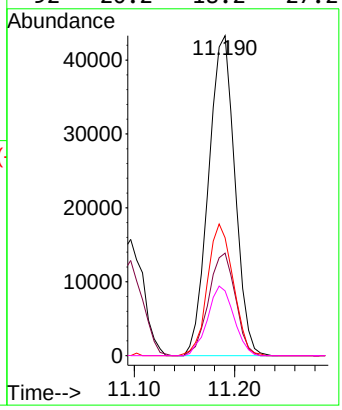




#33
4-Chloroaniline
Concen: 19.055 ng
RT: 11.190 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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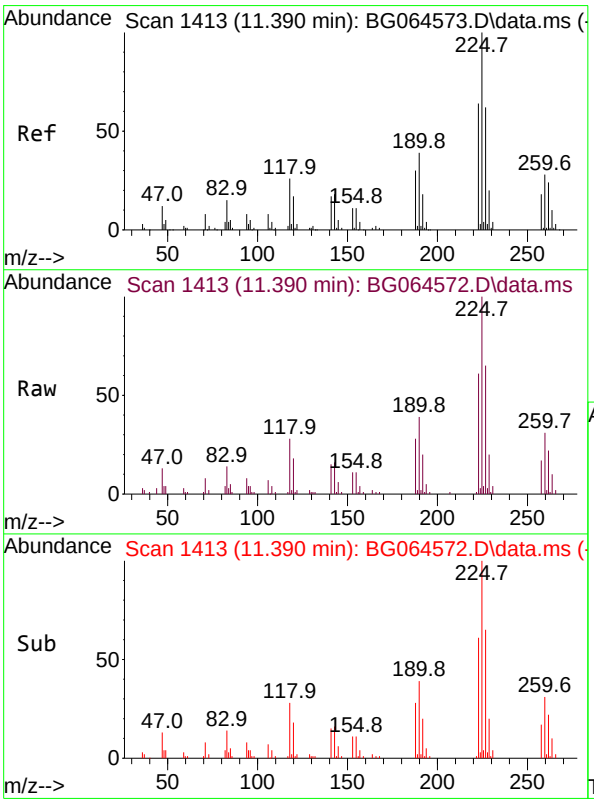
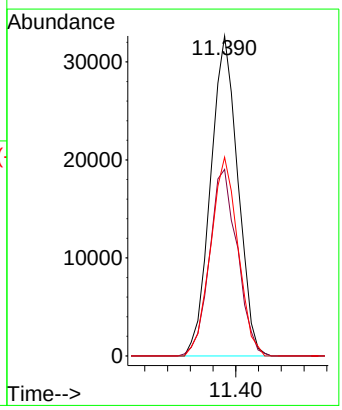
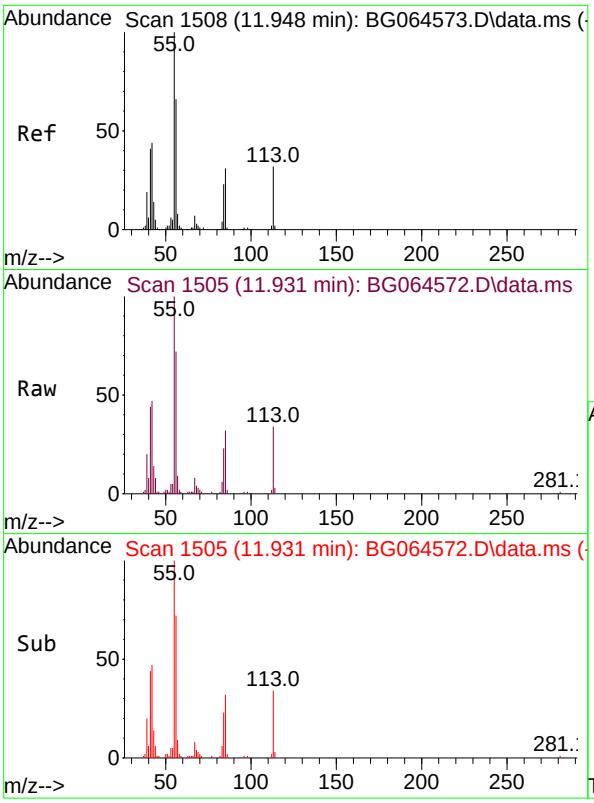


#34
Hexachlorobutadiene
Concen: 19.820 ng
RT: 11.390 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

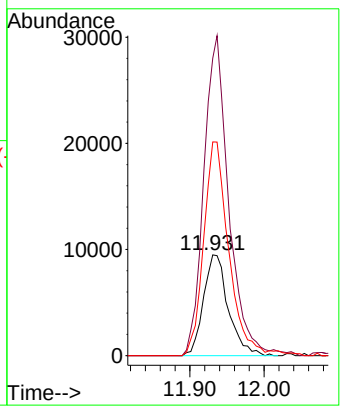




#35
Caprolactam
Concen: 18.635 ng
RT: 11.931 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
BNA_G
ClientSampleId :
SSTDICC020

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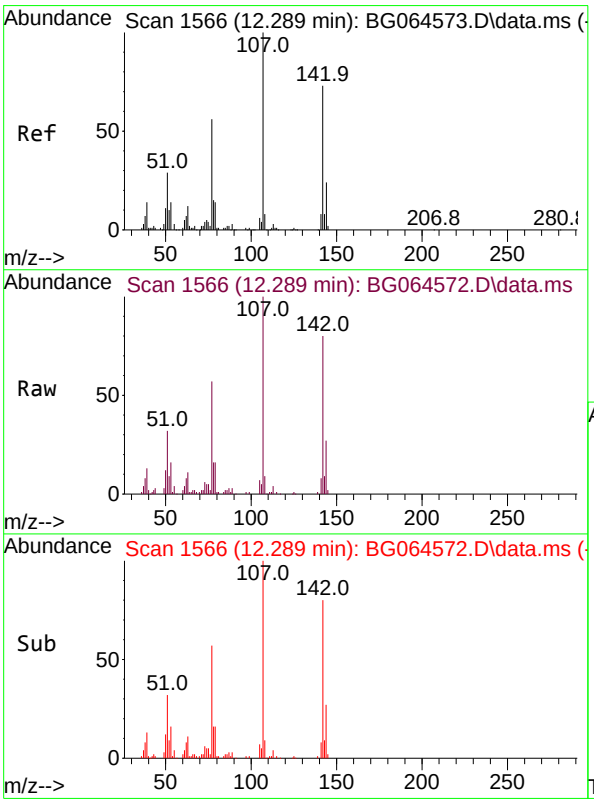
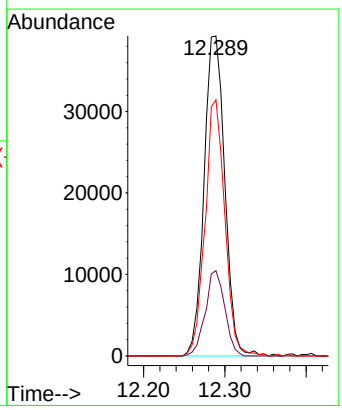
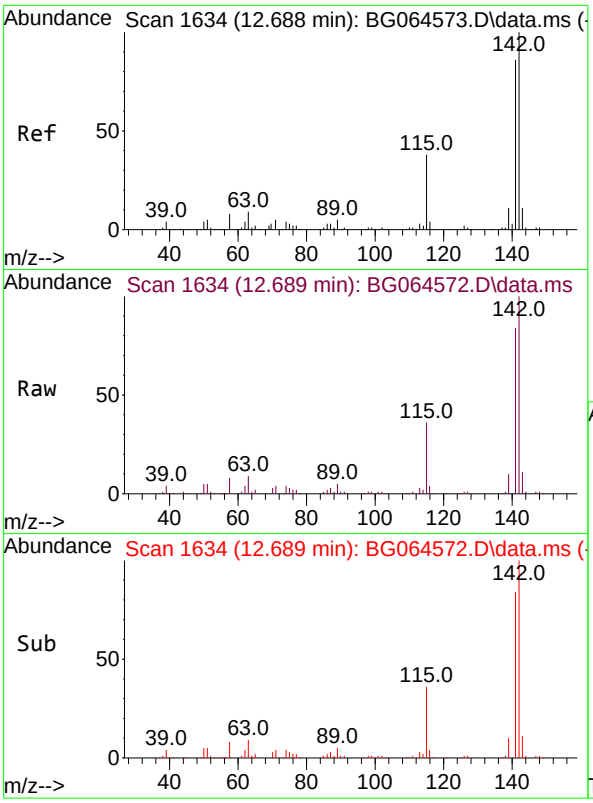


#36
4-Chloro-3-methylphenol
Concen: 18.798 ng
RT: 12.289 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

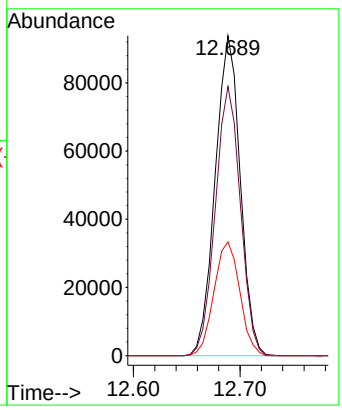




#37
2-Methylnaphthalene
Concen: 19.577 ng
RT: 12.689 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
BNA_G
ClientSampleId :
SSTDICC020

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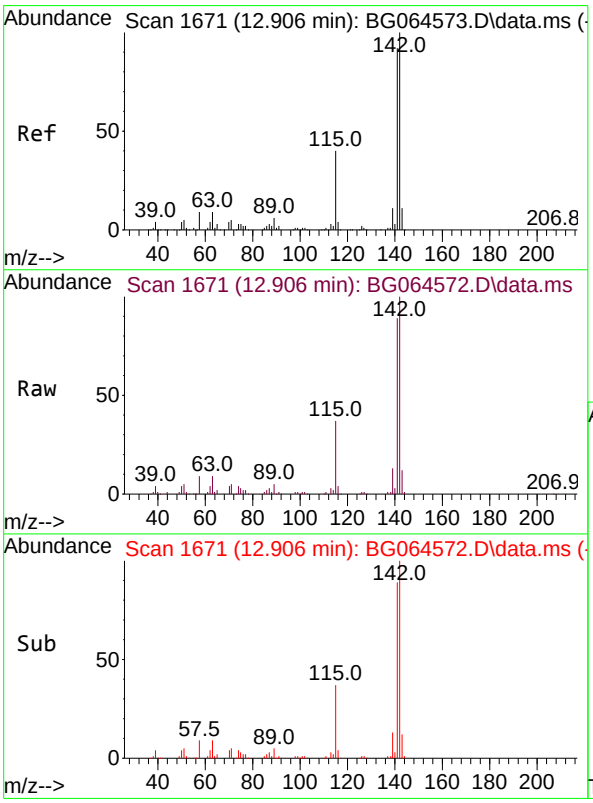
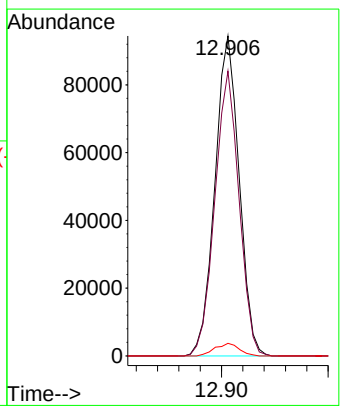
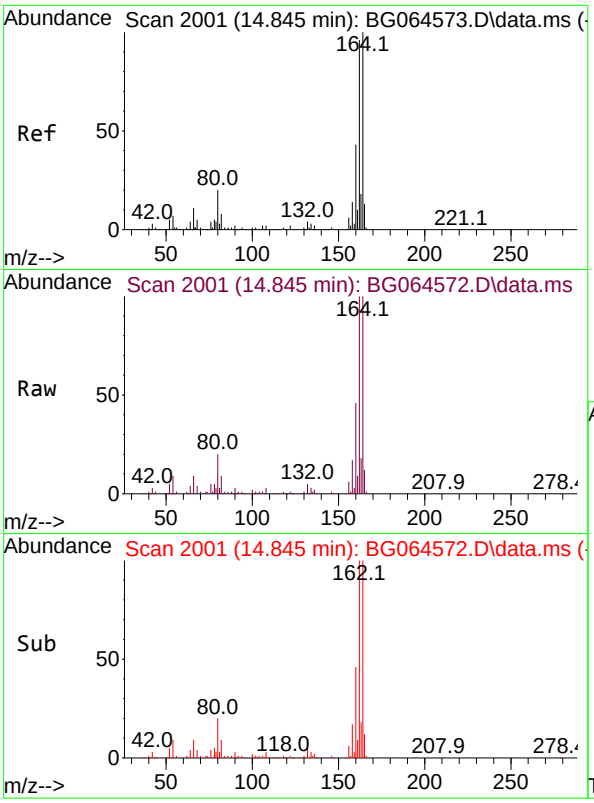


#38
1-Methylnaphthalene
Concen: 19.266 ng
RT: 12.906 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

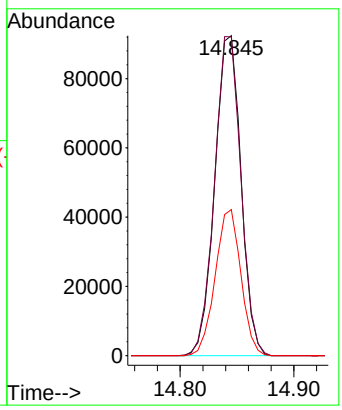




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
BNA_G
ClientSampleId :
SSTDICC020

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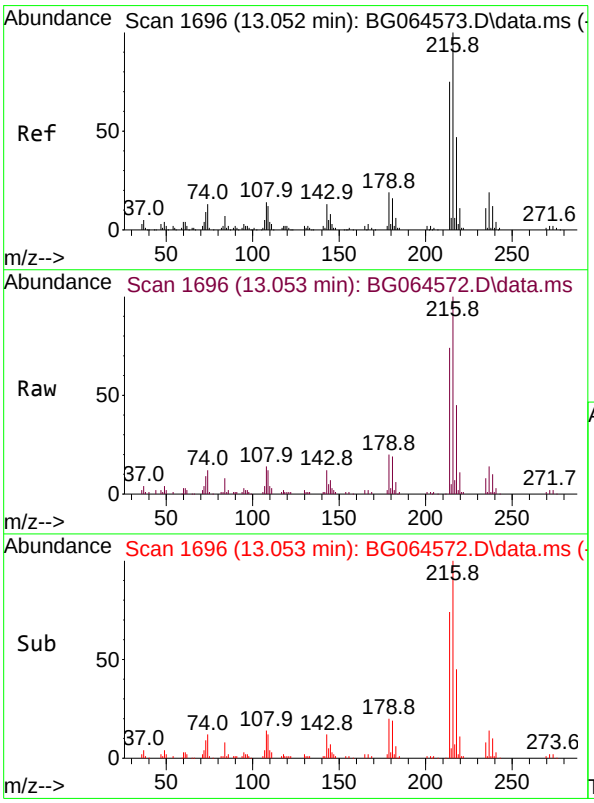
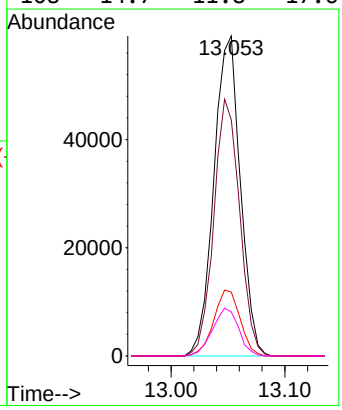
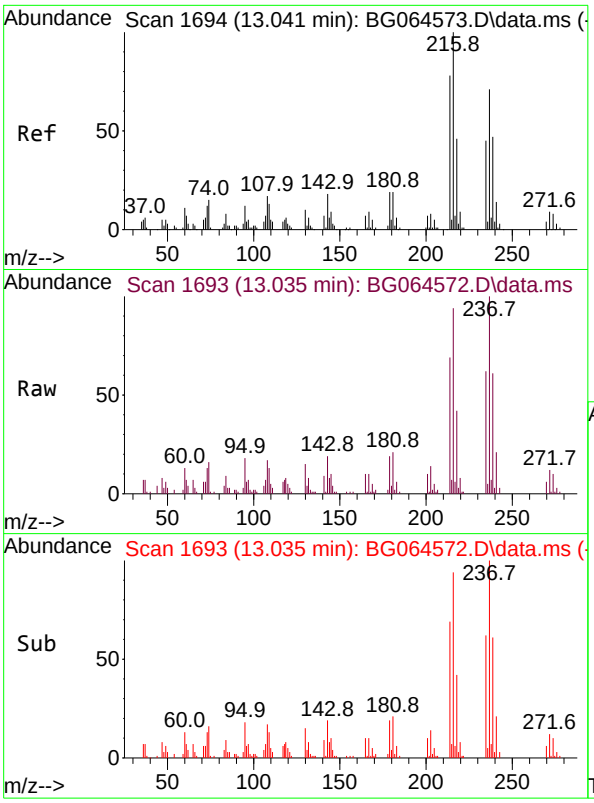


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.320 ng
RT: 13.053 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

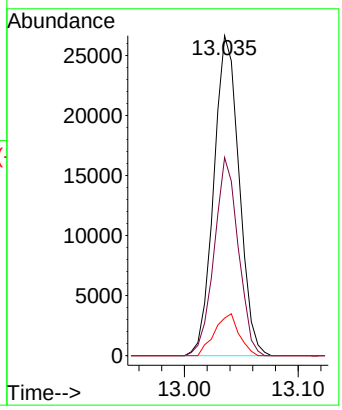




#41
Hexachlorocyclopentadiene
Concen: 18.479 ng
RT: 13.035 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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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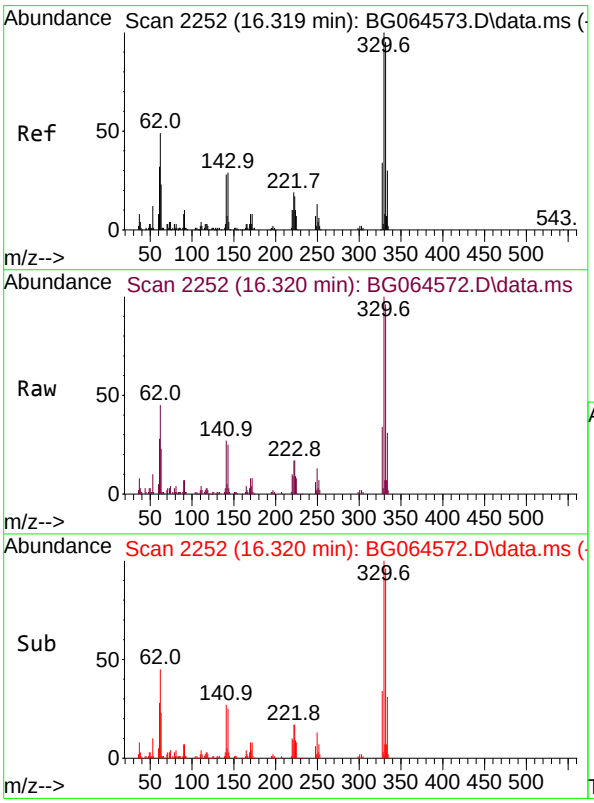
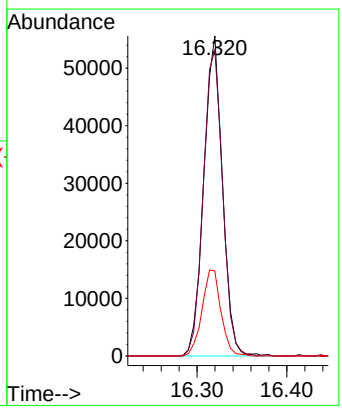
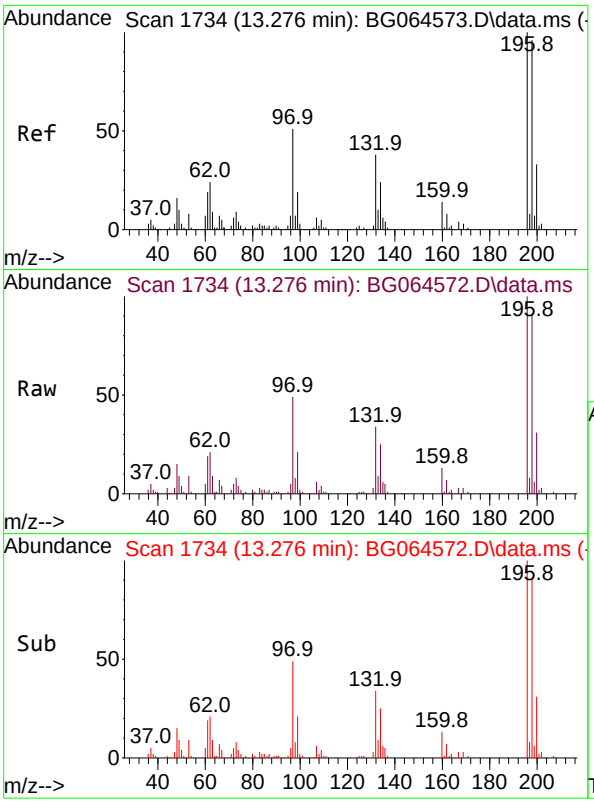


#42
2,4,6-Tribromophenol
Concen: 37.682 ng
RT: 16.320 min Scan# 2252
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

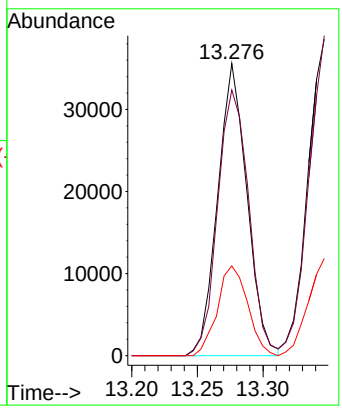




#43
2,4,6-Trichlorophenol
Concen: 19.525 ng
RT: 13.276 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
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ClientSampleId :
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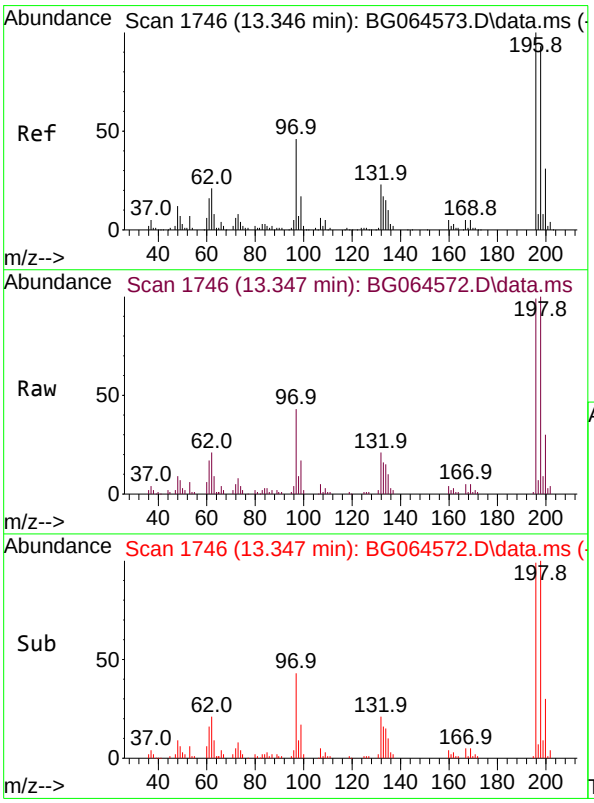
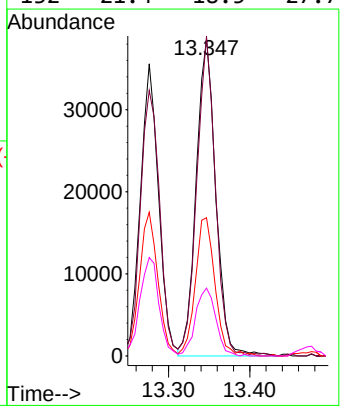
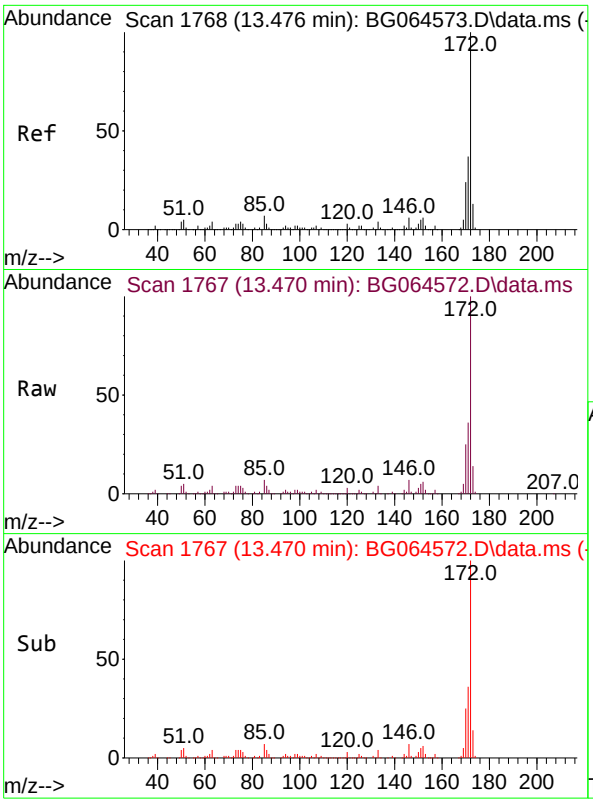


#44
2,4,5-Trichlorophenol
Concen: 19.814 ng
RT: 13.347 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

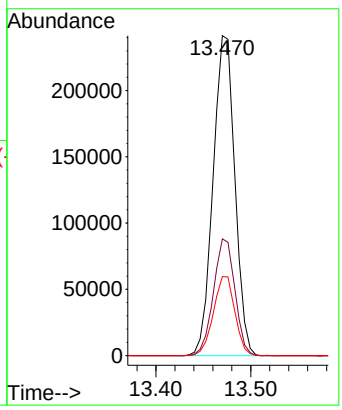




#45
2-Fluorobiphenyl
Concen: 39.584 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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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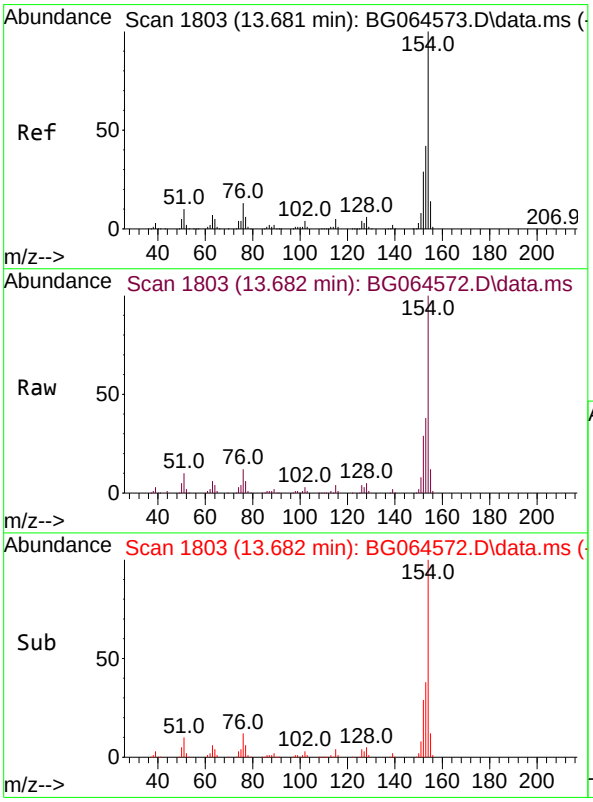
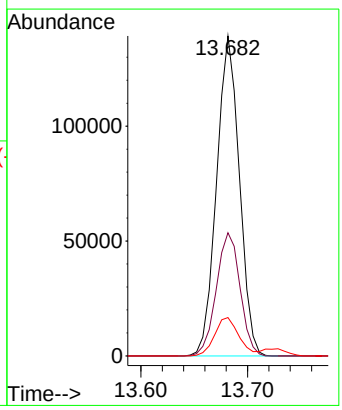
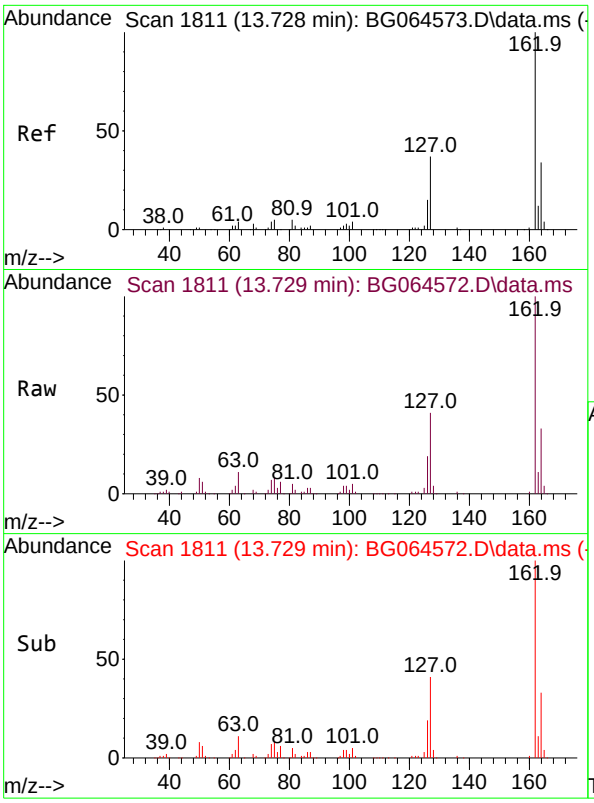


#46
1,1'-Biphenyl
Concen: 19.705 ng
RT: 13.682 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

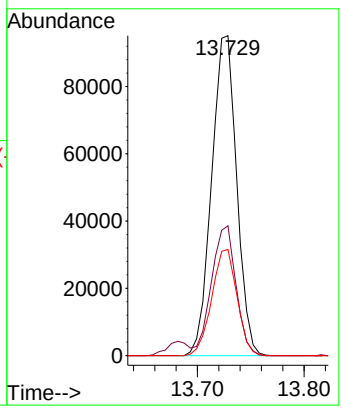




#47
2-Chloronaphthalene
Concen: 19.625 ng
RT: 13.729 min Scan# 18
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
SSTDICC020

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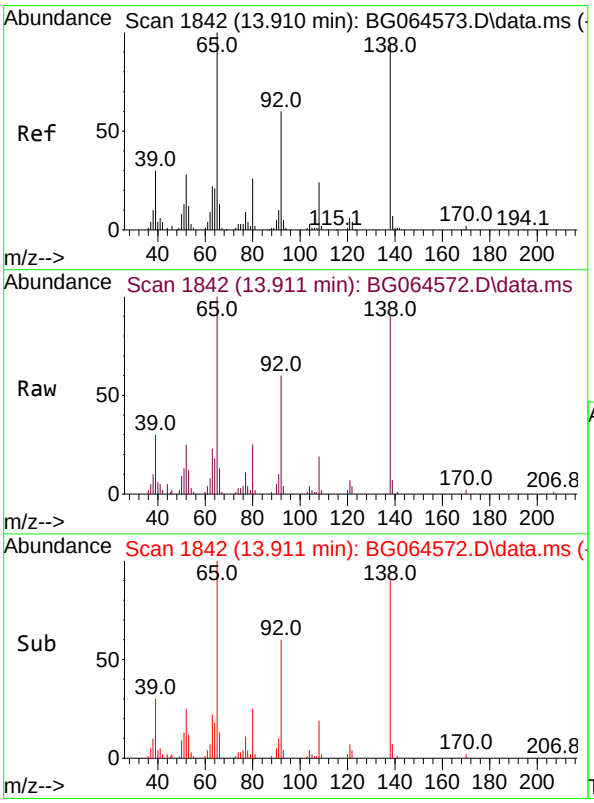
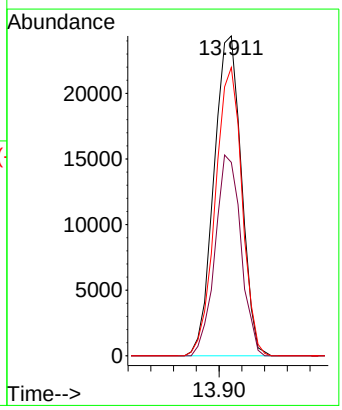
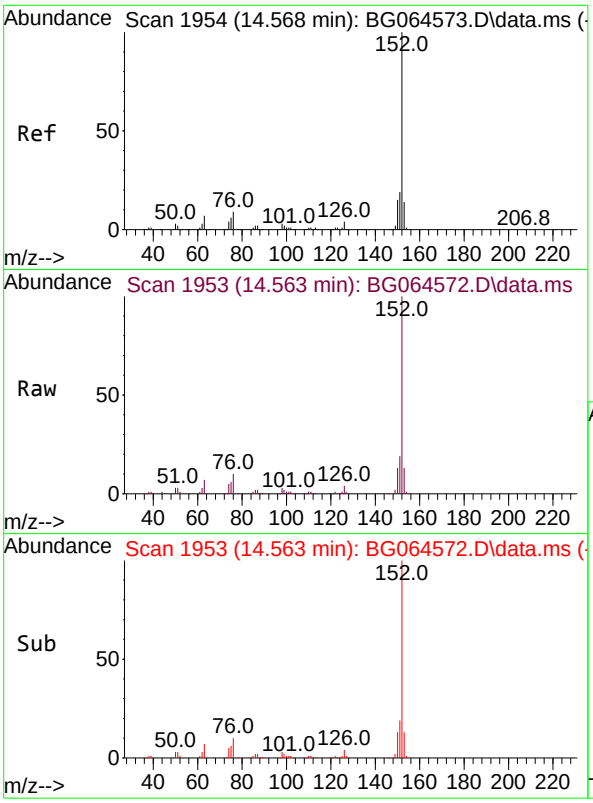


#48
2-Nitroaniline
Concen: 17.565 ng
RT: 13.911 min Scan# 1842
Delta R.T. 0.001 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

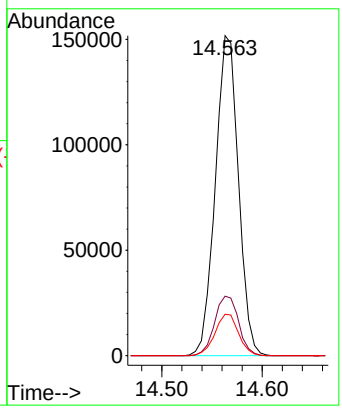




#49
Acenaphthylene
Concen: 19.454 ng
RT: 14.563 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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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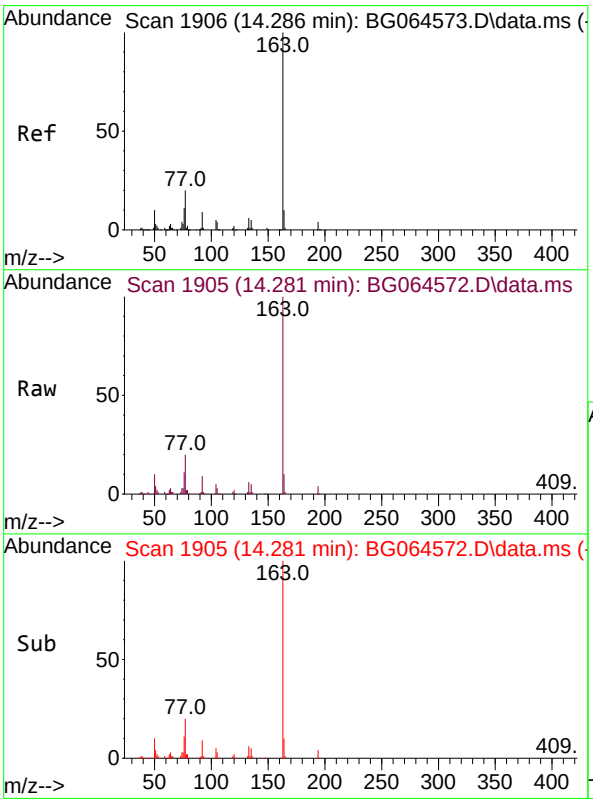
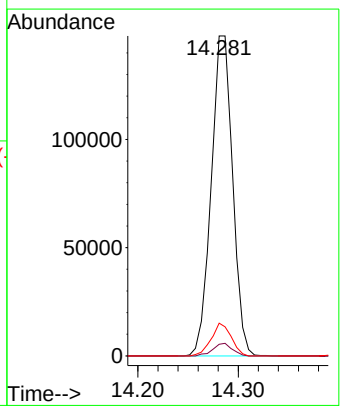
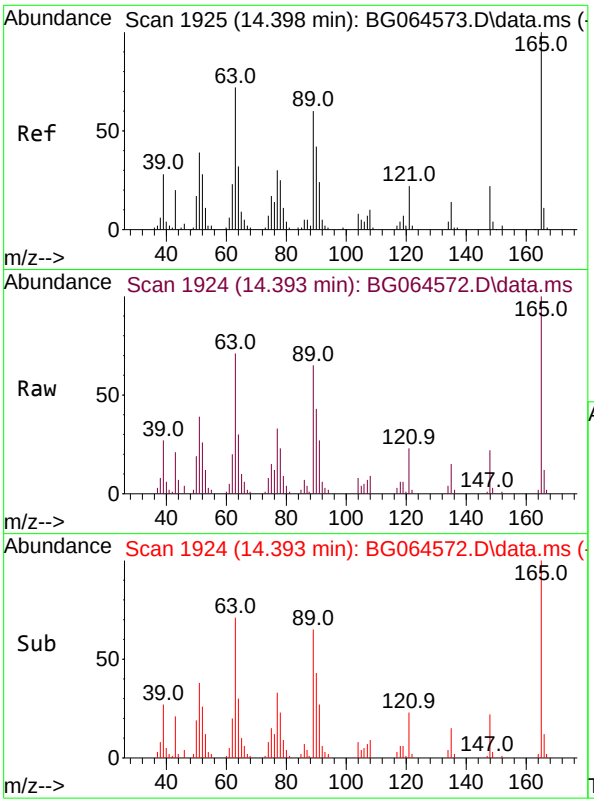


#50
Dimethylphthalate
Concen: 19.452 ng
RT: 14.281 min Scan# 1905
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

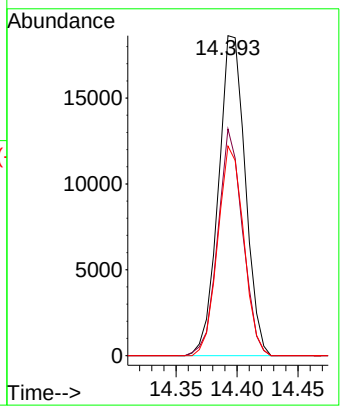




#51
2,6-Dinitrotoluene
Concen: 17.440 ng
RT: 14.393 min Scan# 19
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
SSTDICC020

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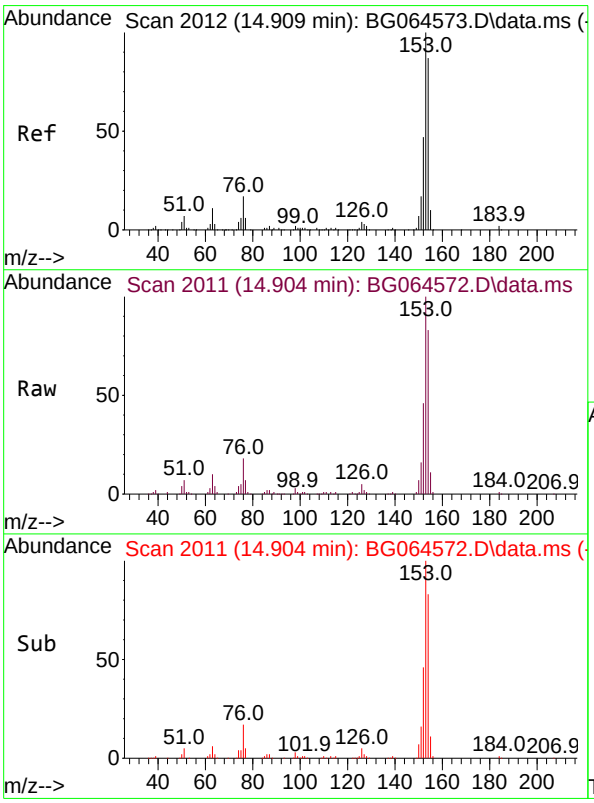
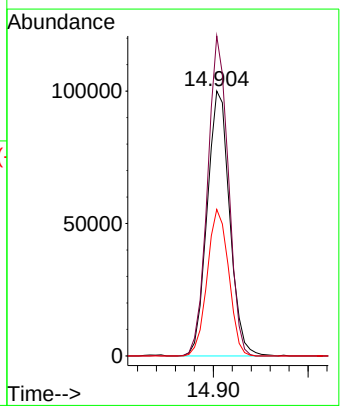
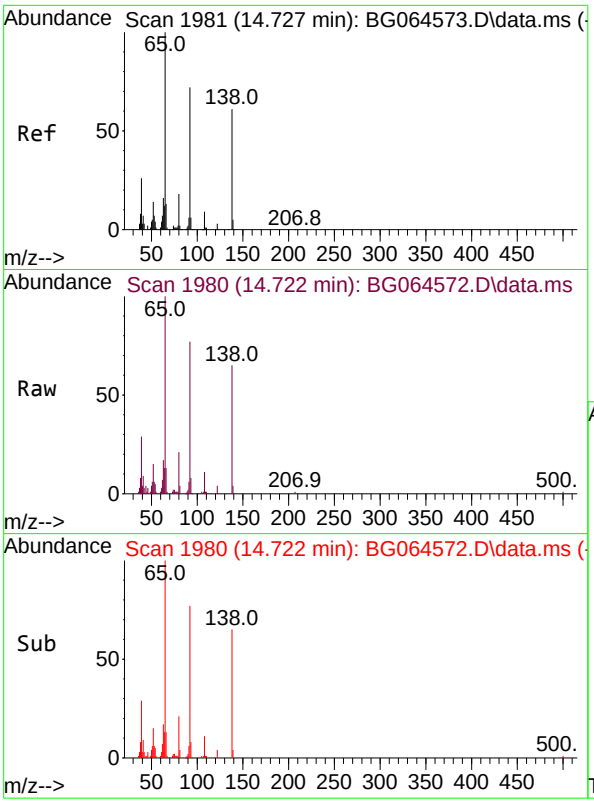


#52
Acenaphthene
Concen: 19.287 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:138 Resp: 3723

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

Instrument :
BNA_G
ClientSampleId :
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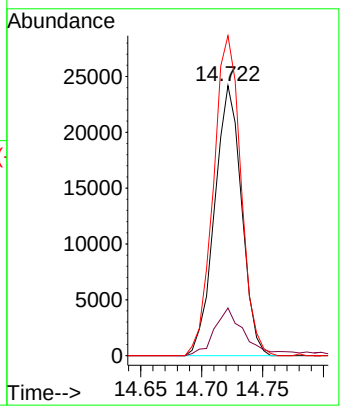
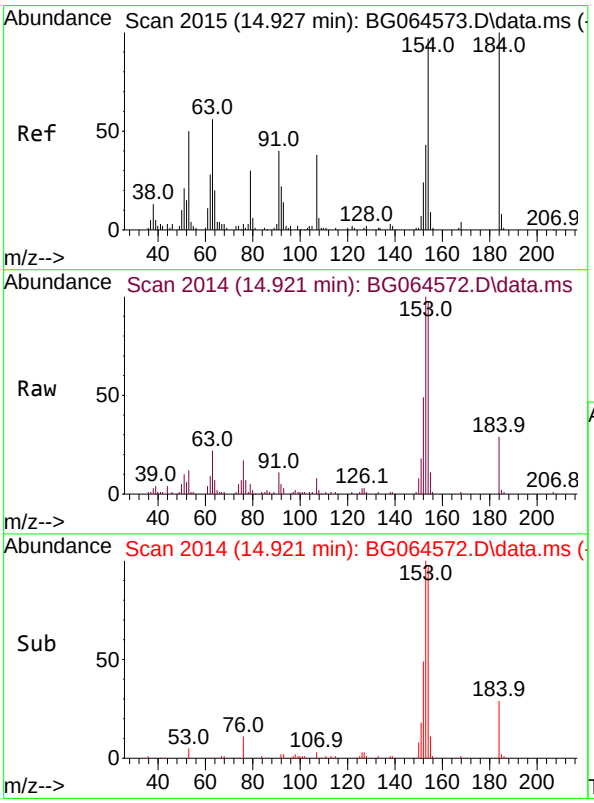
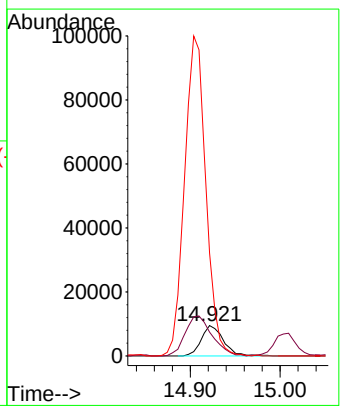


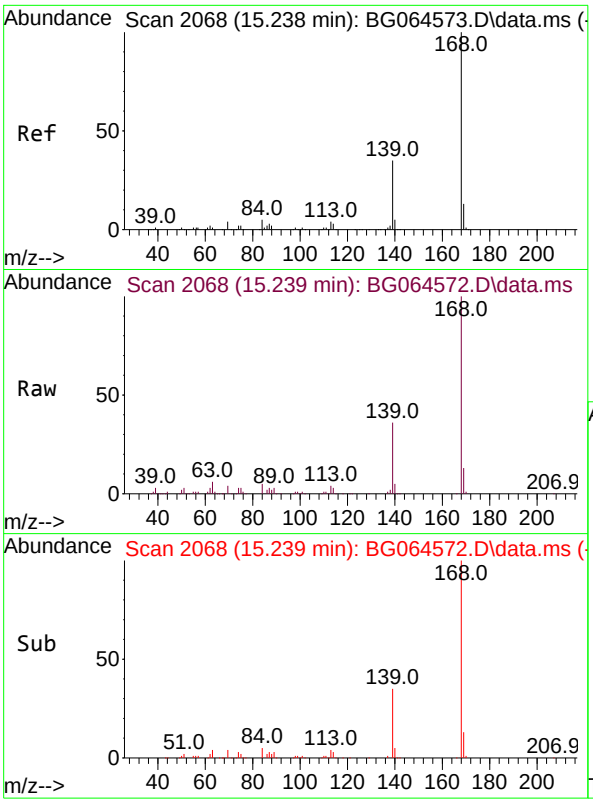


#54
2,4-Dinitrophenol
Concen: 18.744 ng
RT: 14.921 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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#

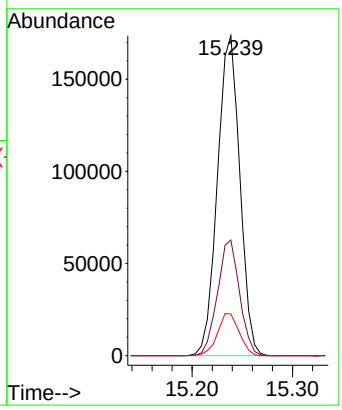




#55
Dibenzofuran
Concen: 19.534 ng
RT: 15.239 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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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ClientSampleId :
SSTDICC020

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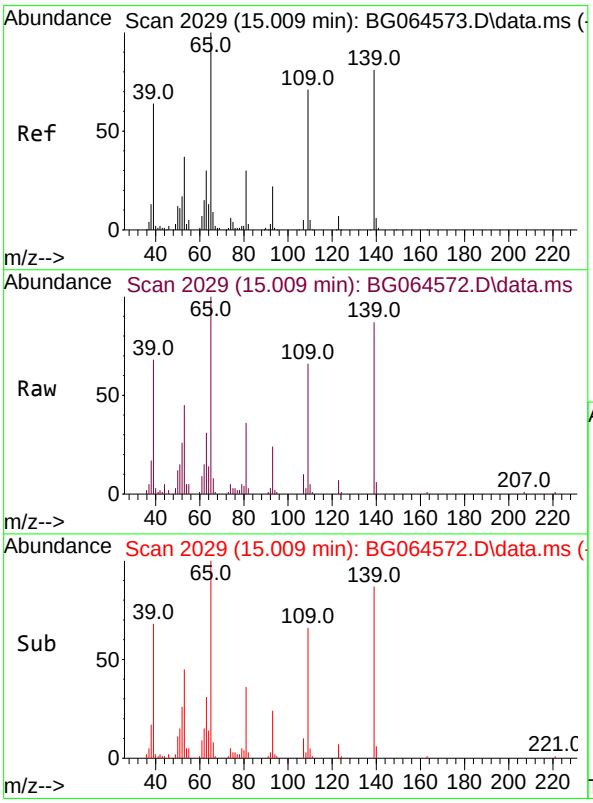
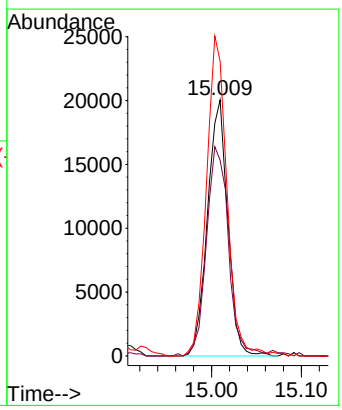
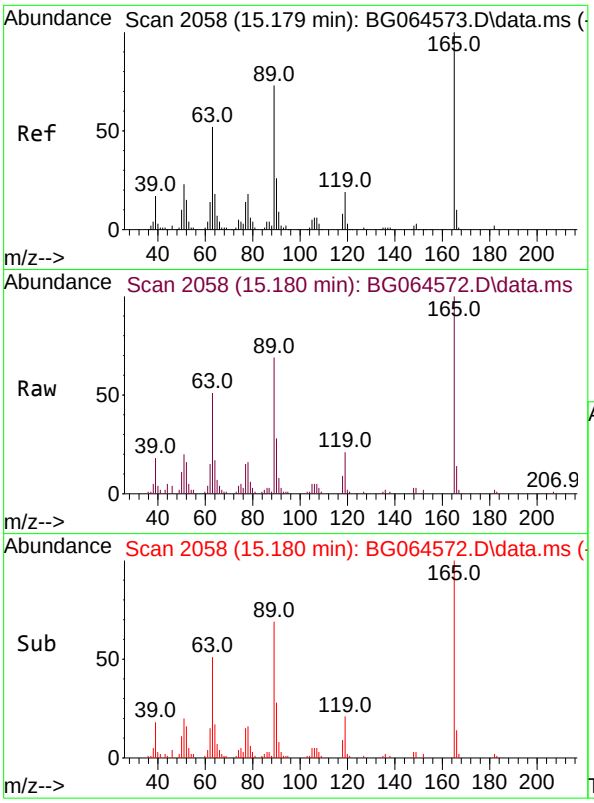


#56
4-Nitrophenol
Concen: 17.439 ng
RT: 15.009 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

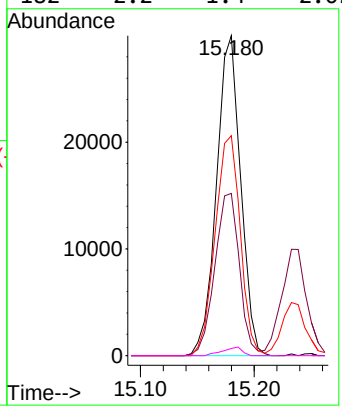




#57
2,4-Dinitrotoluene
Concen: 17.427 ng
RT: 15.180 min Scan# 20
Delta R.T. 0.001 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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#



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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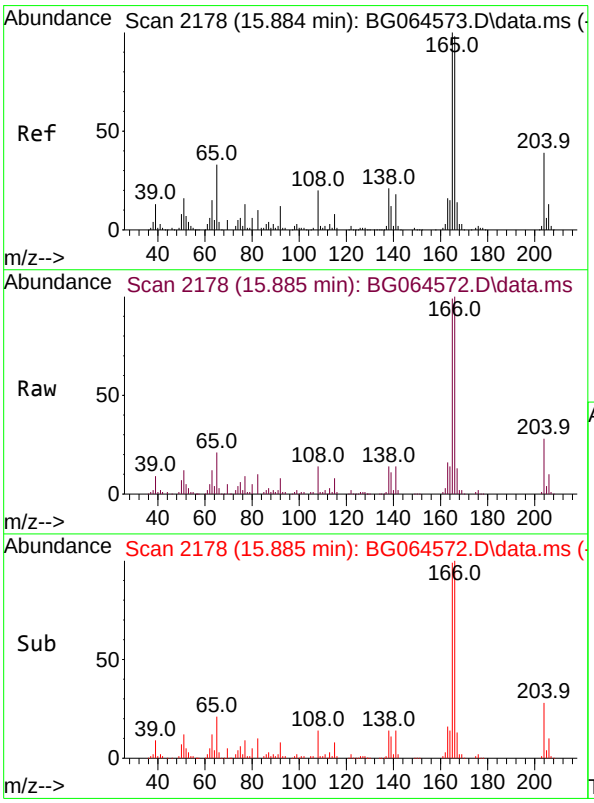
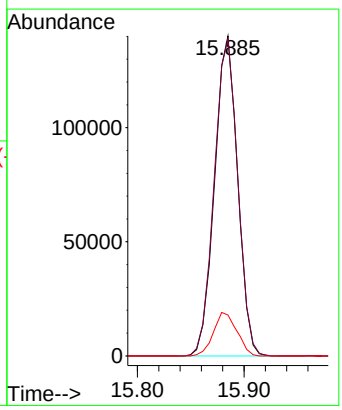
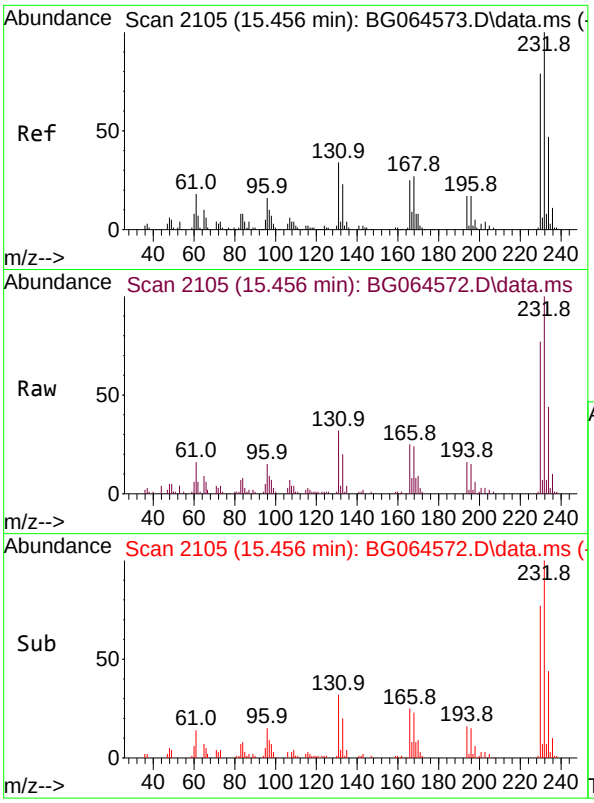


#58
Fluorene
Concen: 19.536 ng
RT: 15.885 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

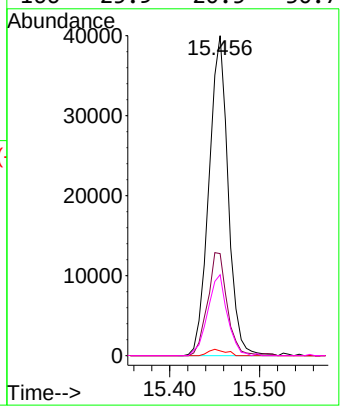




#59
2,3,4,6-Tetrachlorophenol
Concen: 18.980 ng
RT: 15.456 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
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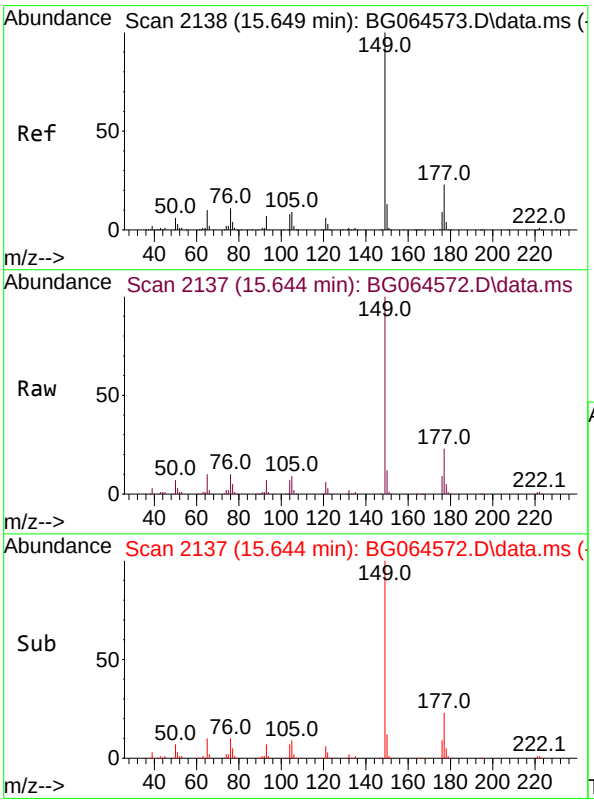
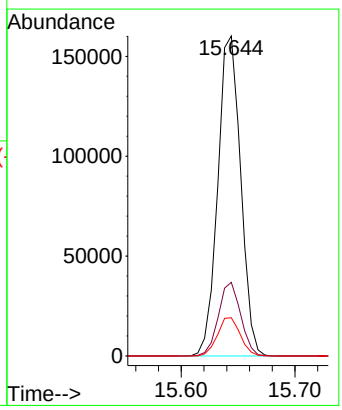
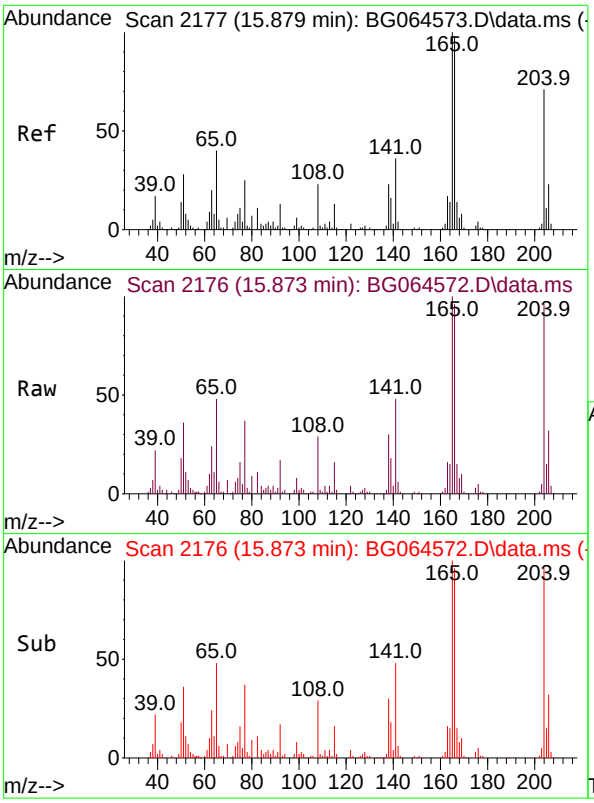


#60
Diethylphthalate
Concen: 19.382 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

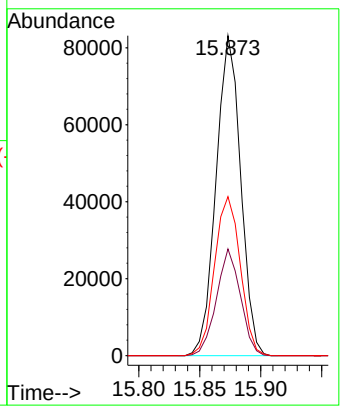




#61
4-Chlorophenyl-phenylether
Concen: 19.333 ng
RT: 15.873 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
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ClientSampleId :
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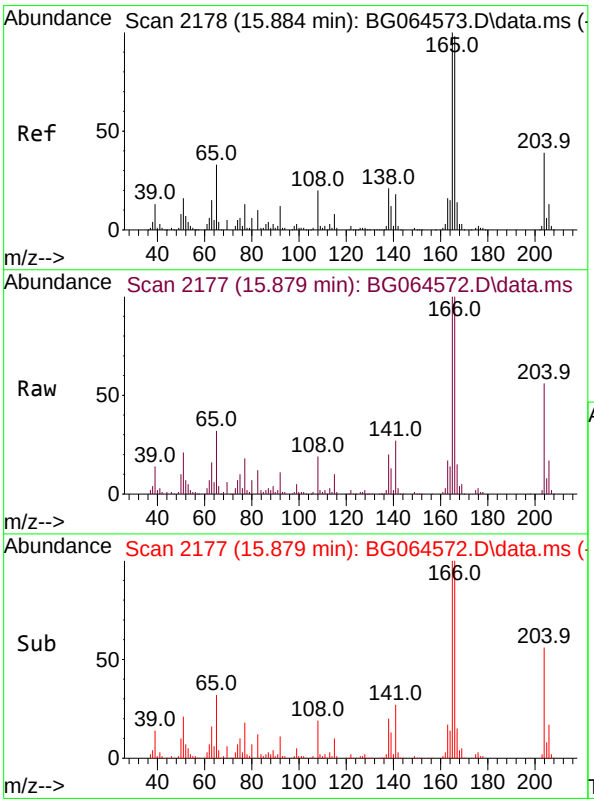
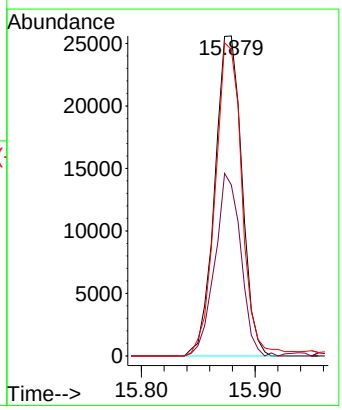
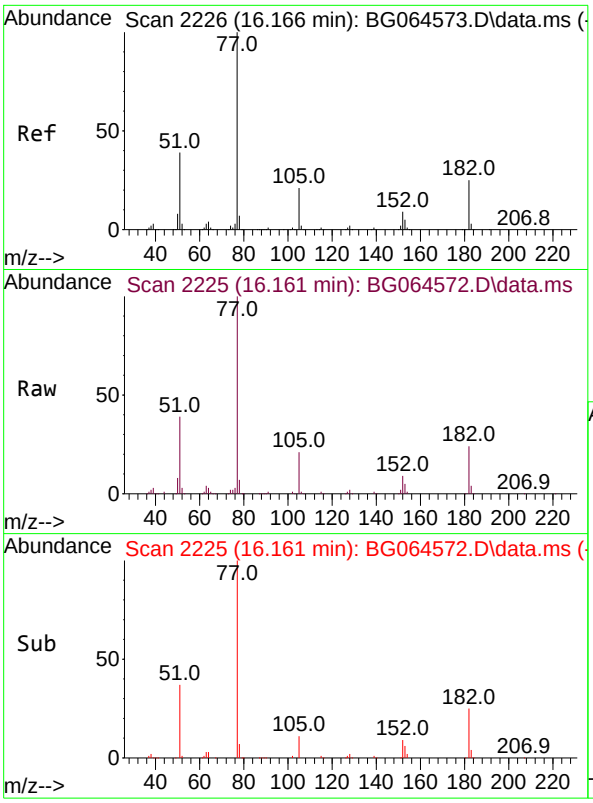


#62
4-Nitroaniline
Concen: 19.582 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

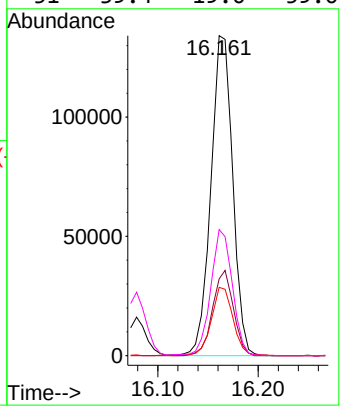




#63
Azobenzene
Concen: 19.205 ng
RT: 16.161 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
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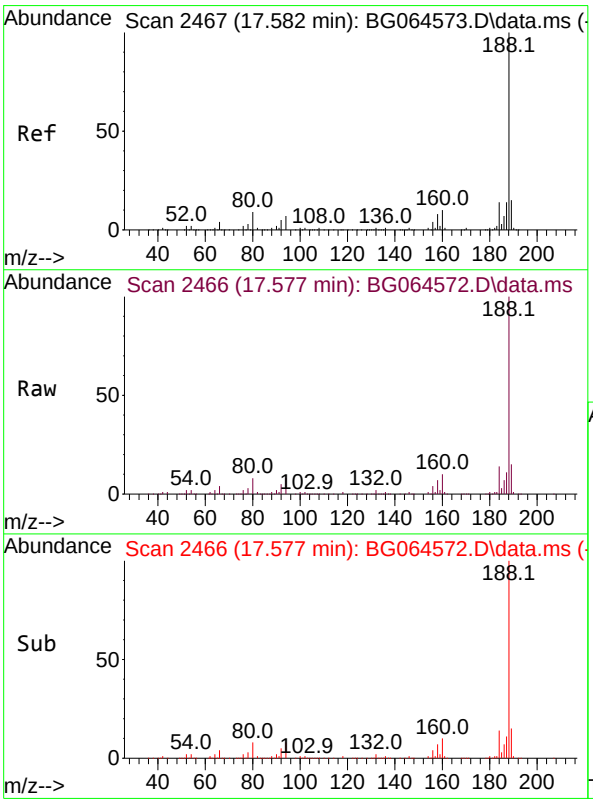
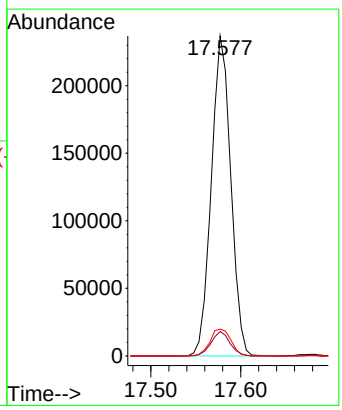
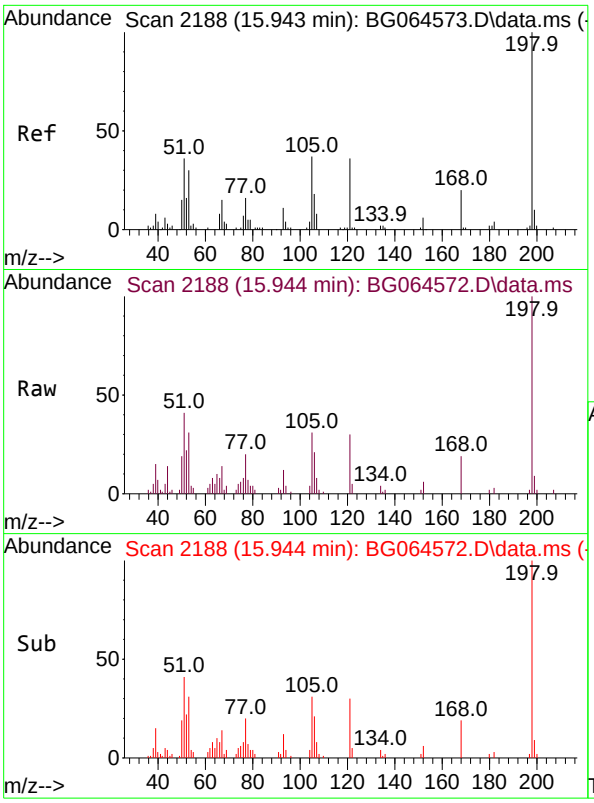


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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. 0.001 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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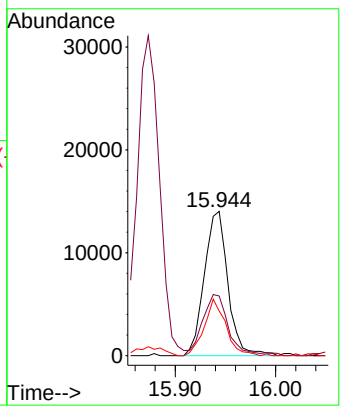
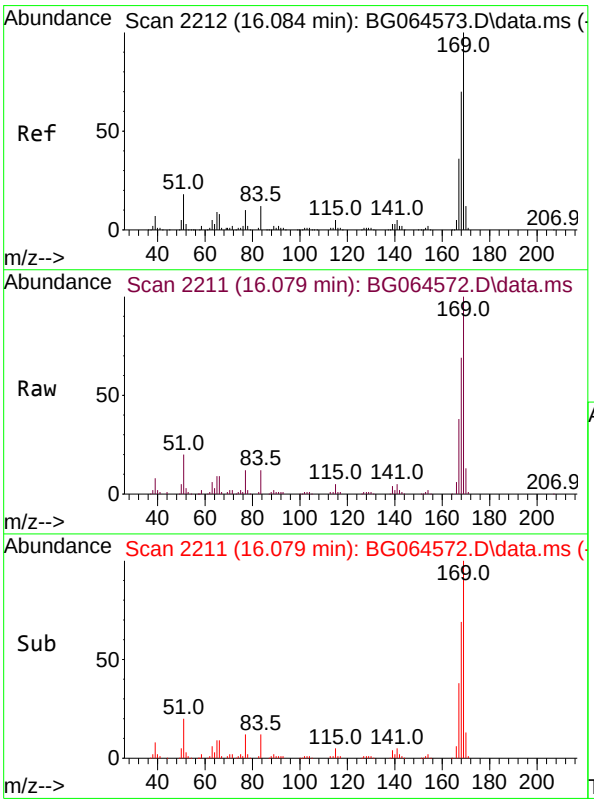
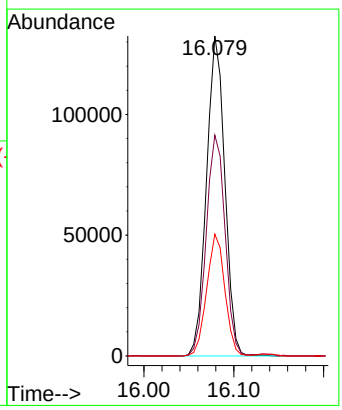


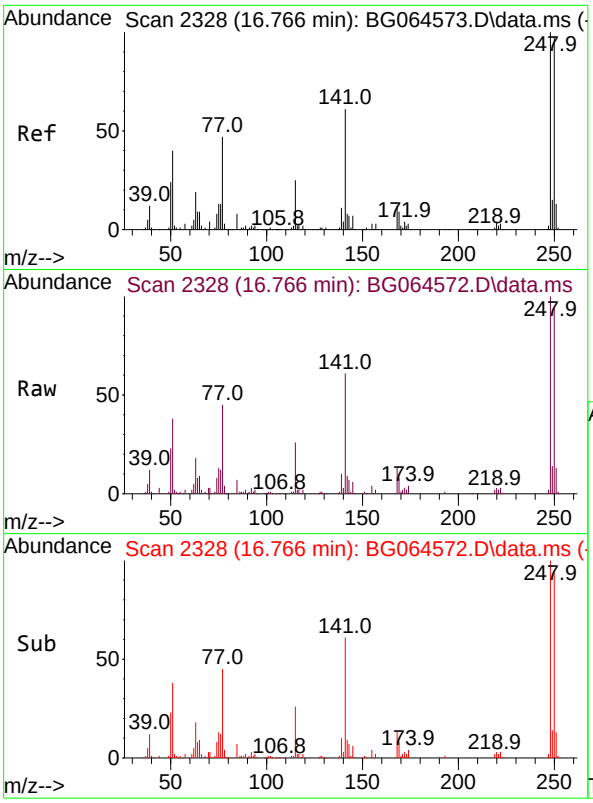


#66
n-Nitrosodiphenylamine
Concen: 19.437 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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

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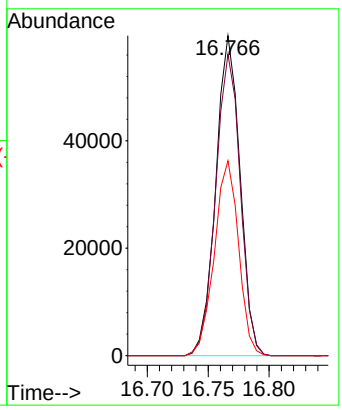
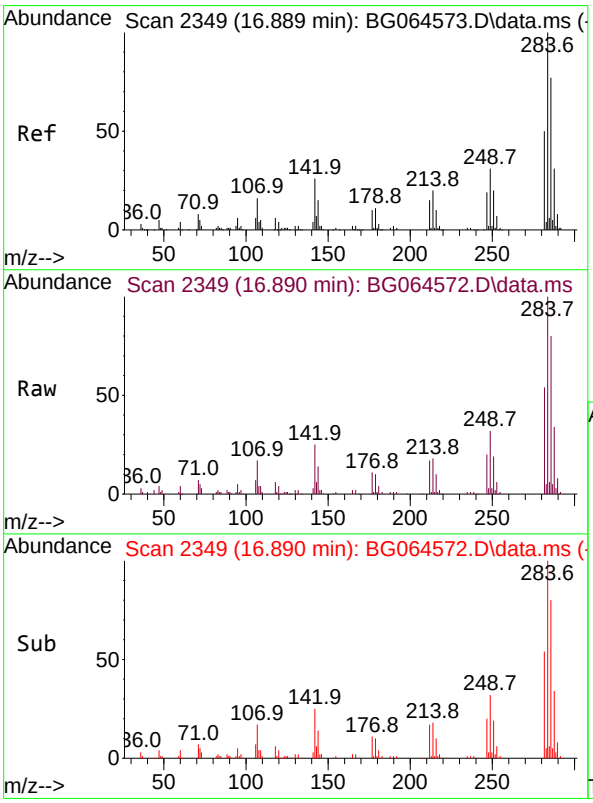
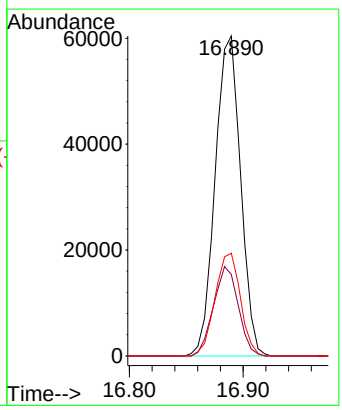


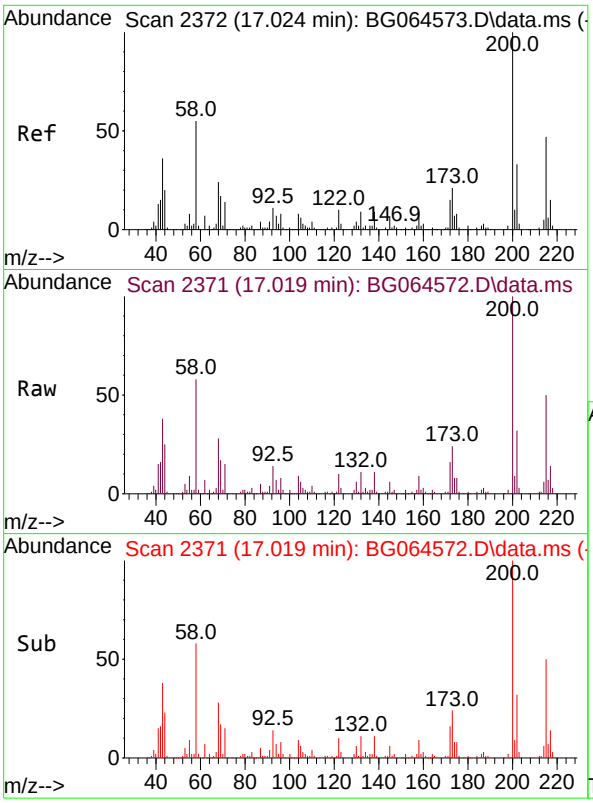


#68
Hexachlorobenzene
Concen: 19.391 ng
RT: 16.890 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

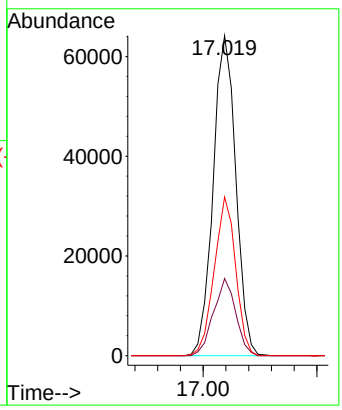




#69
Atrazine
Concen: 21.392 ng
RT: 17.019 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
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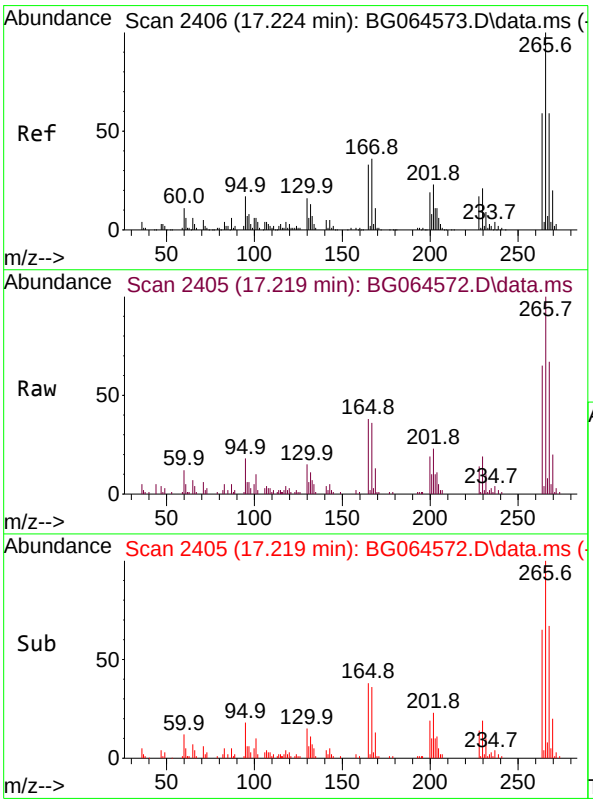
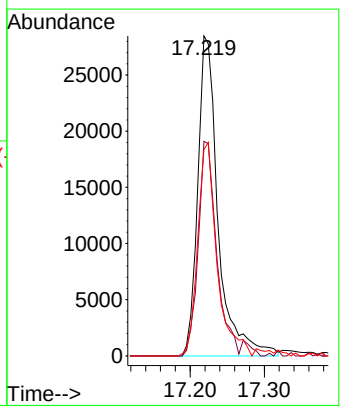
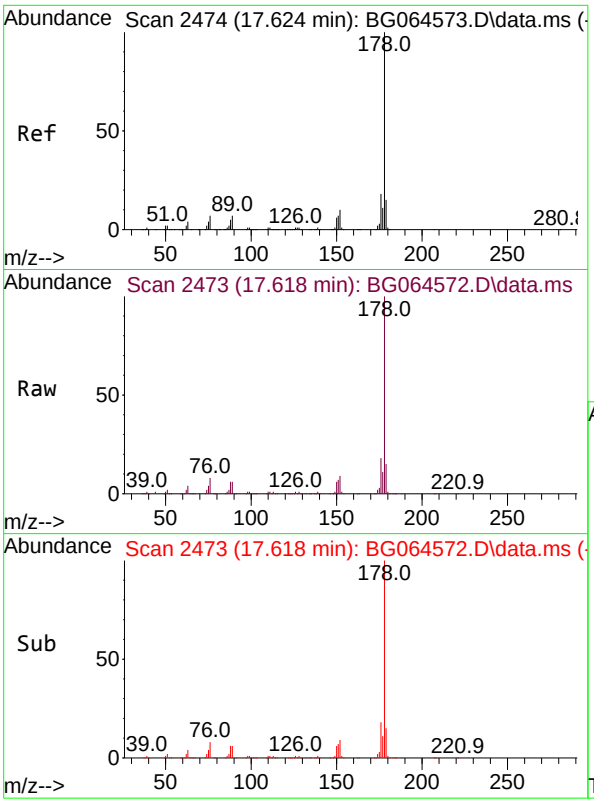


#70
Pentachlorophenol
Concen: 18.022 ng
RT: 17.219 min Scan# 2405
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

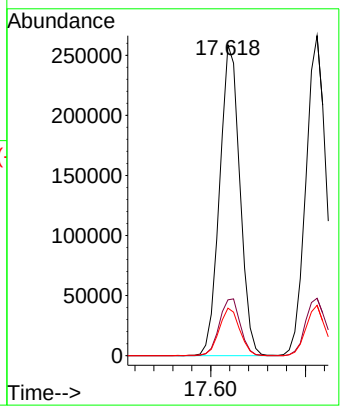




#71
Phenanthrene
Concen: 19.624 ng
RT: 17.618 min Scan# 24
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
BNA_G
ClientSampleId :
SSTDICC020

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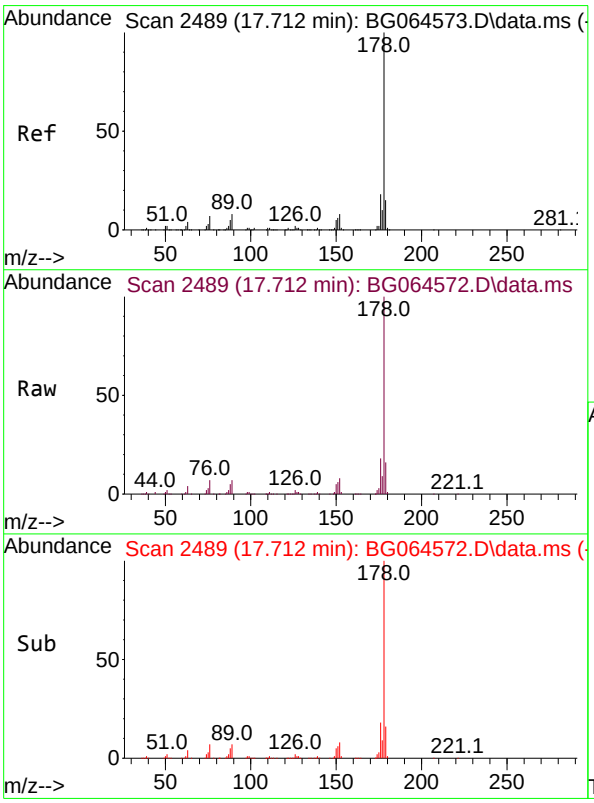
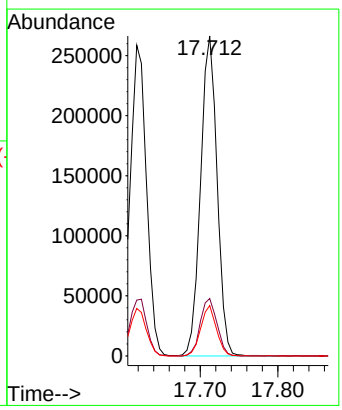
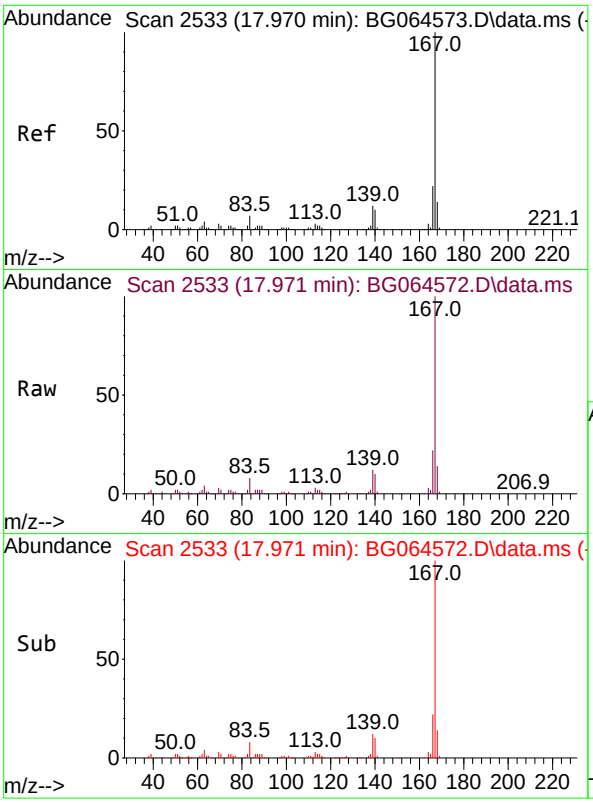


#72
Anthracene
Concen: 19.792 ng
RT: 17.712 min Scan# 2489
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

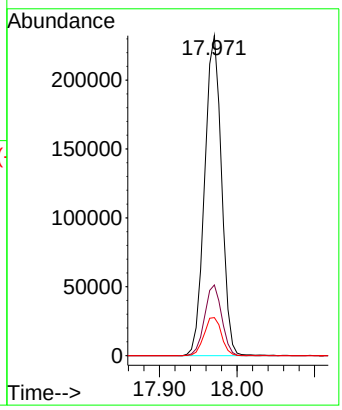




#73
Carbazole
Concen: 20.014 ng
RT: 17.971 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
BNA_G
ClientSampleId :
SSTDICC020

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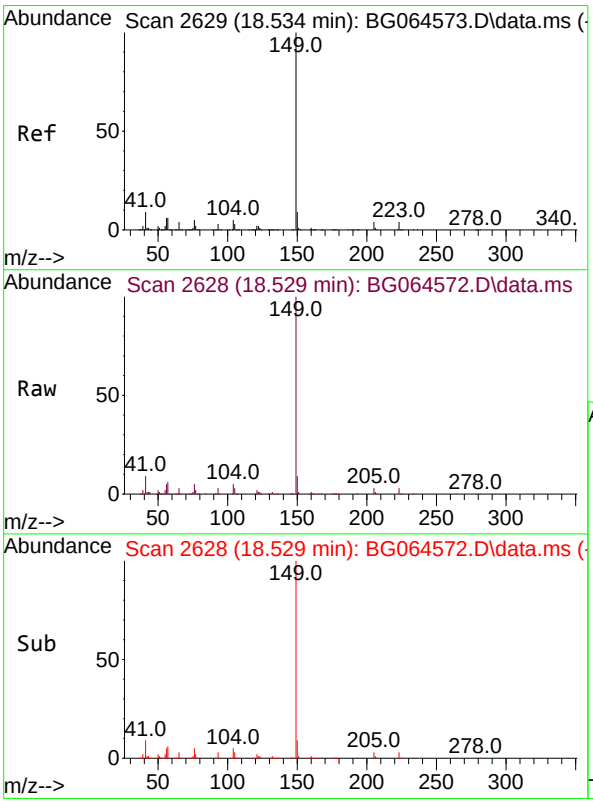
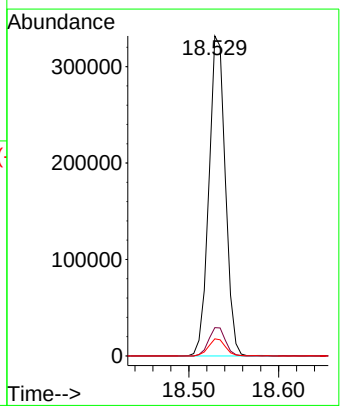
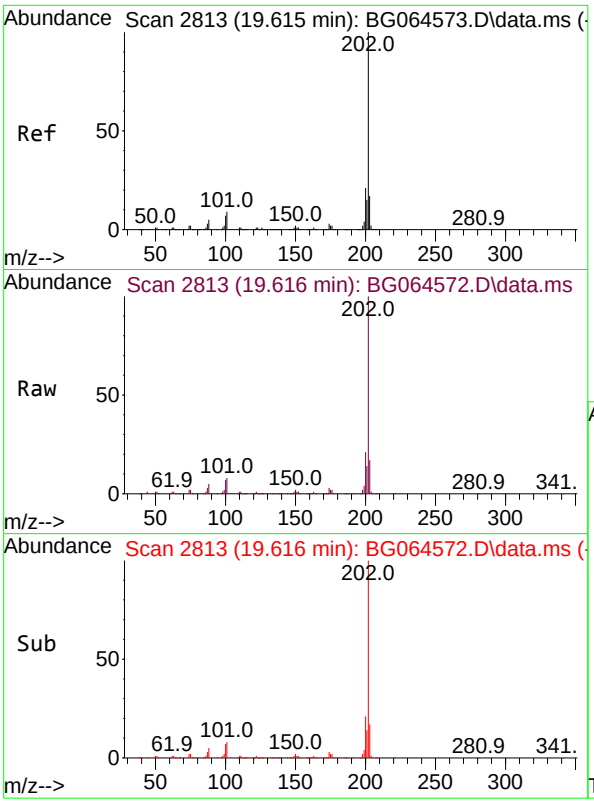


#74
Di-n-butylphthalate
Concen: 20.788 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

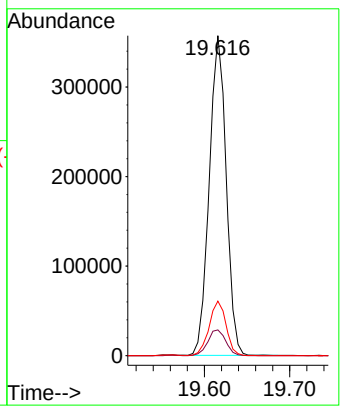




#75
Fluoranthene
Concen: 20.142 ng
RT: 19.616 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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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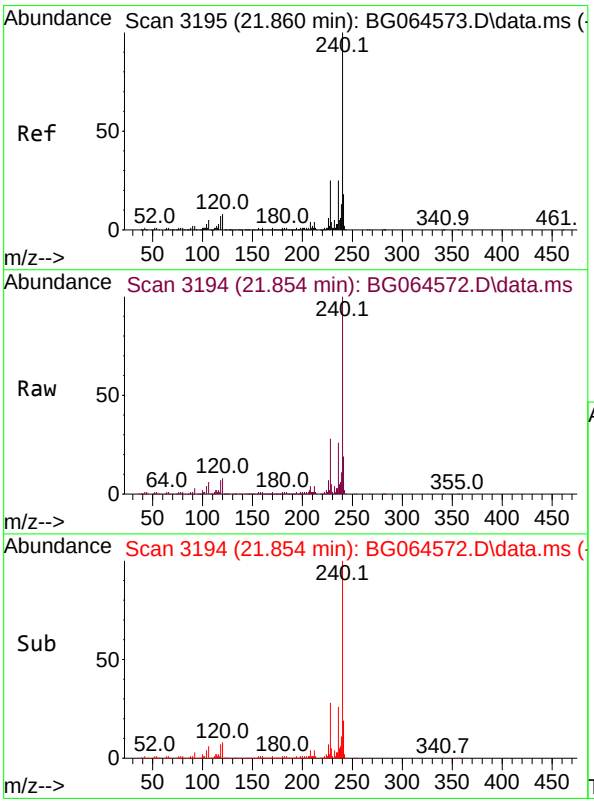
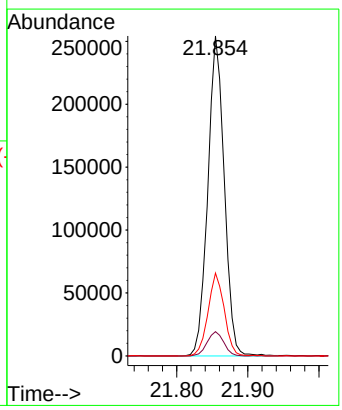
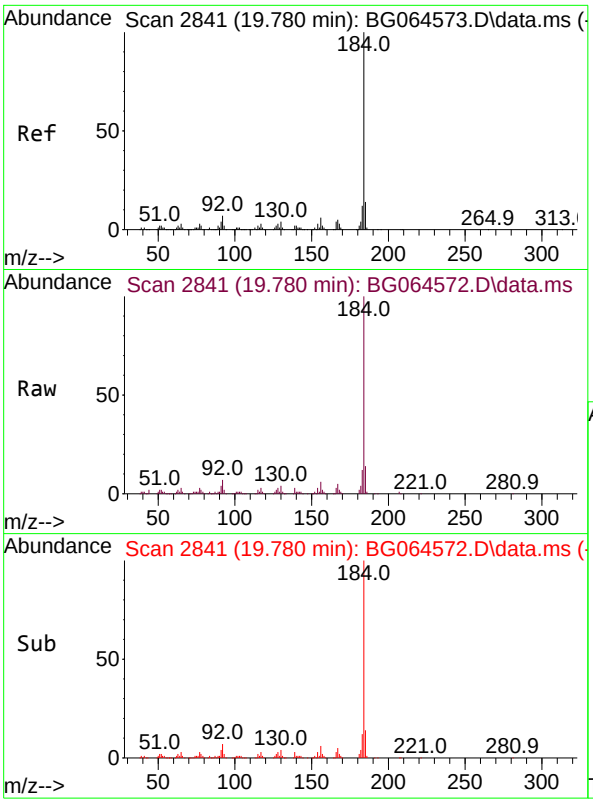


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3194
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

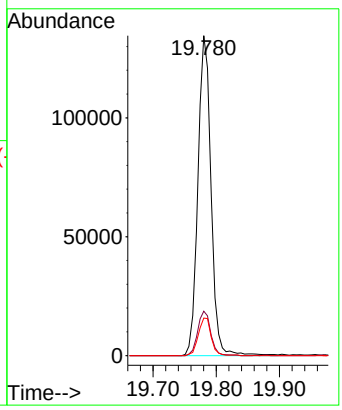




#77
Benzidine
Concen: 21.201 ng
RT: 19.780 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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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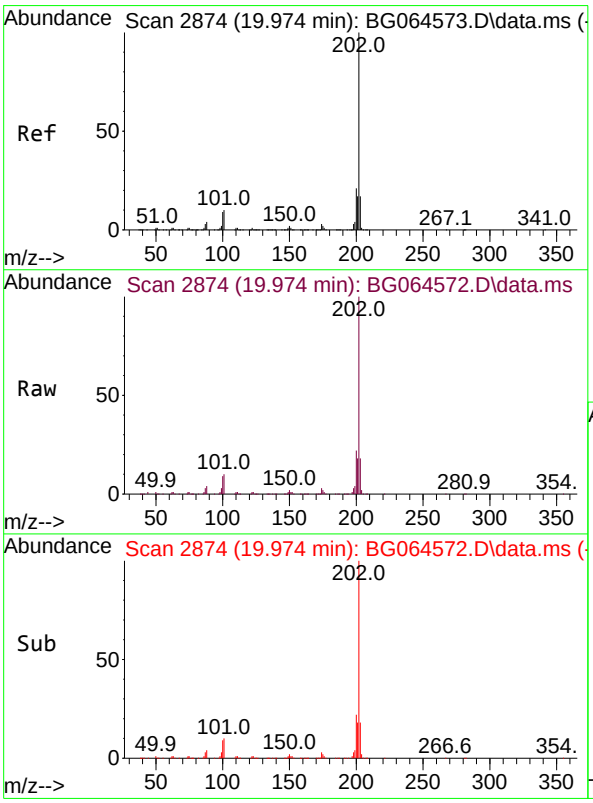
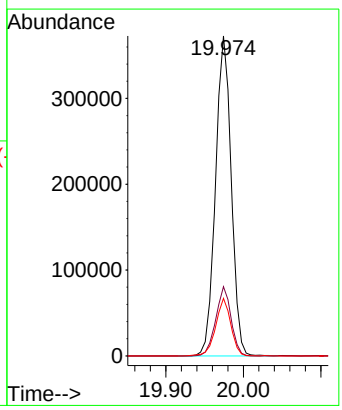
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

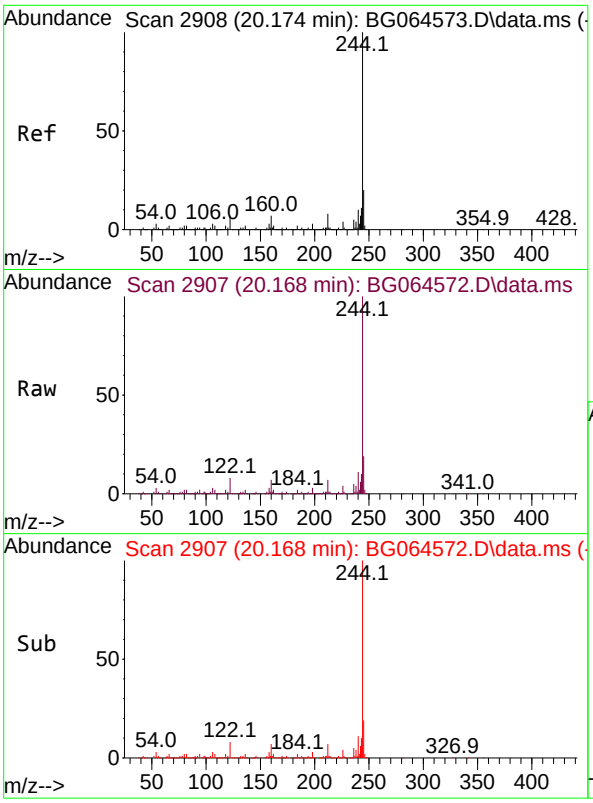


#78
Pyrene
Concen: 19.646 ng
RT: 19.974 min Scan# 2874
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

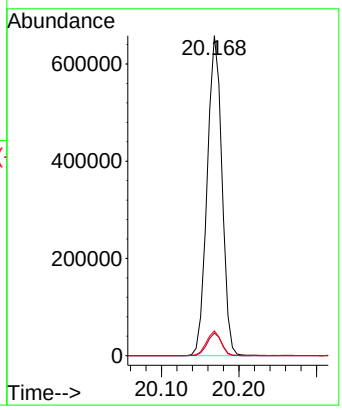




#79
Terphenyl-d14
Concen: 40.219 ng
RT: 20.168 min Scan# 29
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
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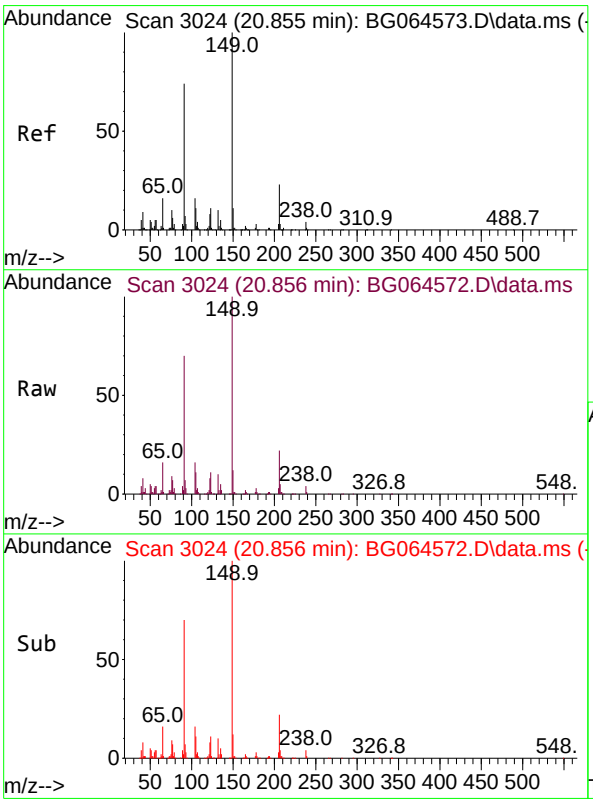
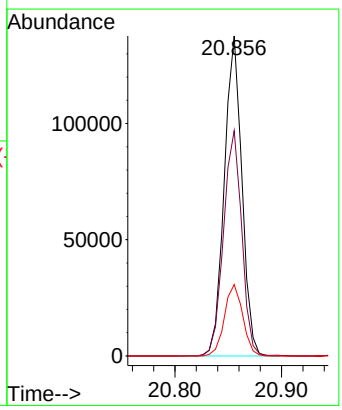
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

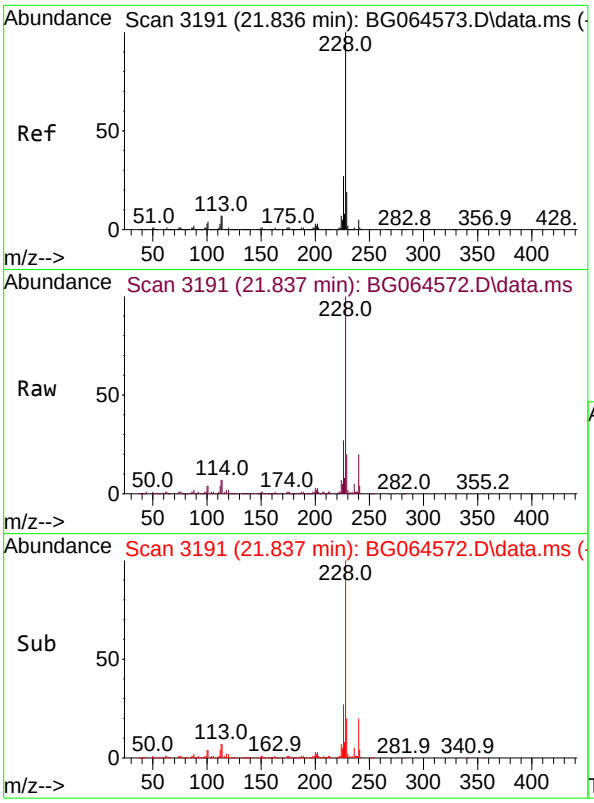


#80
Butylbenzylphthalate
Concen: 19.633 ng
RT: 20.856 min Scan# 3024
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

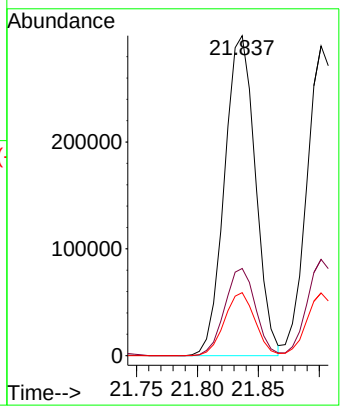




#81
Benzo(a)anthracene
Concen: 19.490 ng
RT: 21.837 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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 :
SSTDICC020

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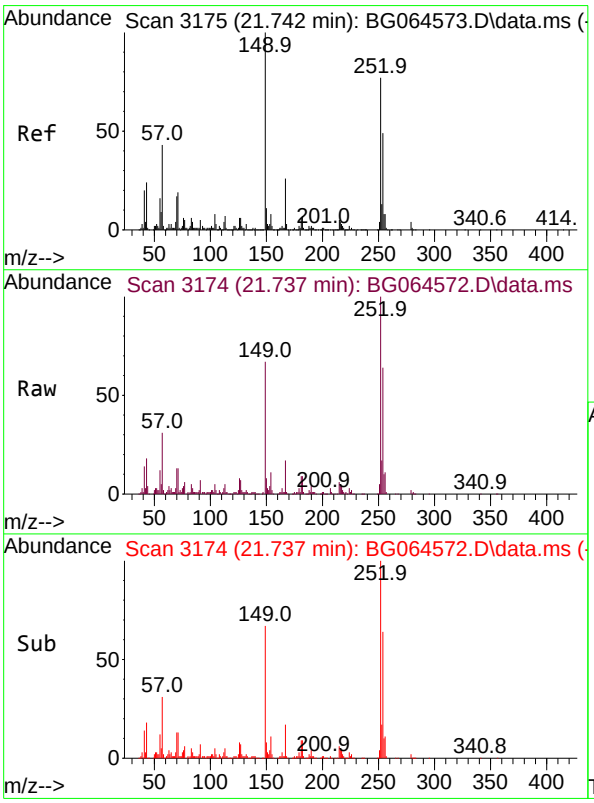
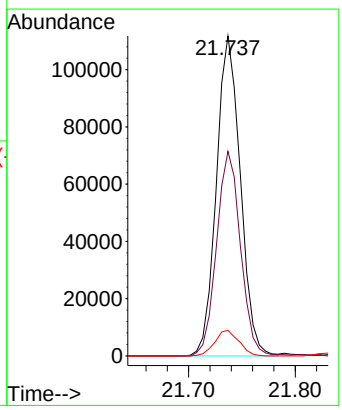
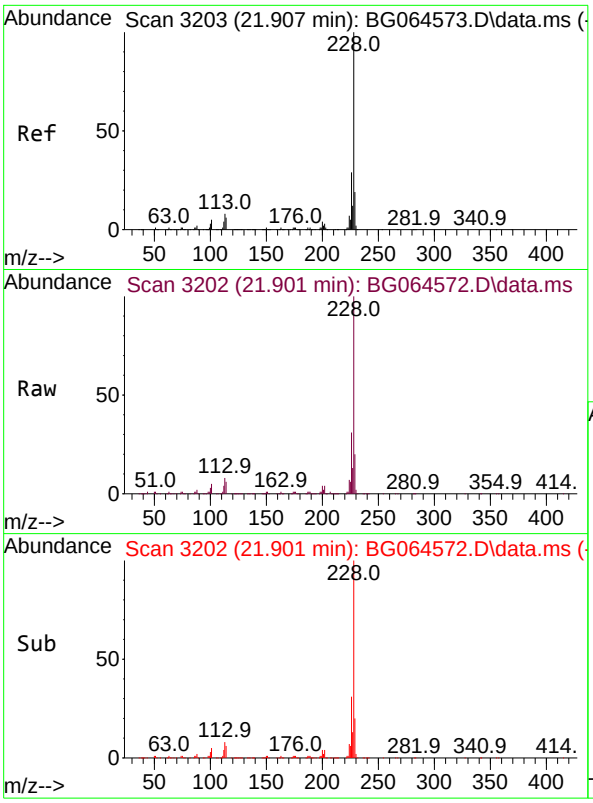


#82
3,3'-Dichlorobenzidine
Concen: 19.323 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

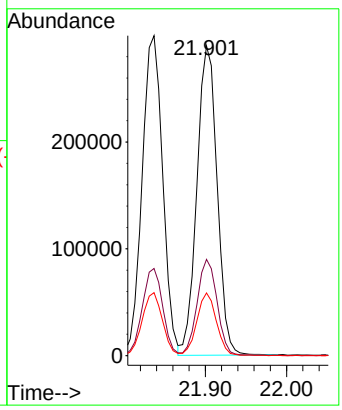




#83
Chrysene
Concen: 19.479 ng
RT: 21.901 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

Manual Integrations
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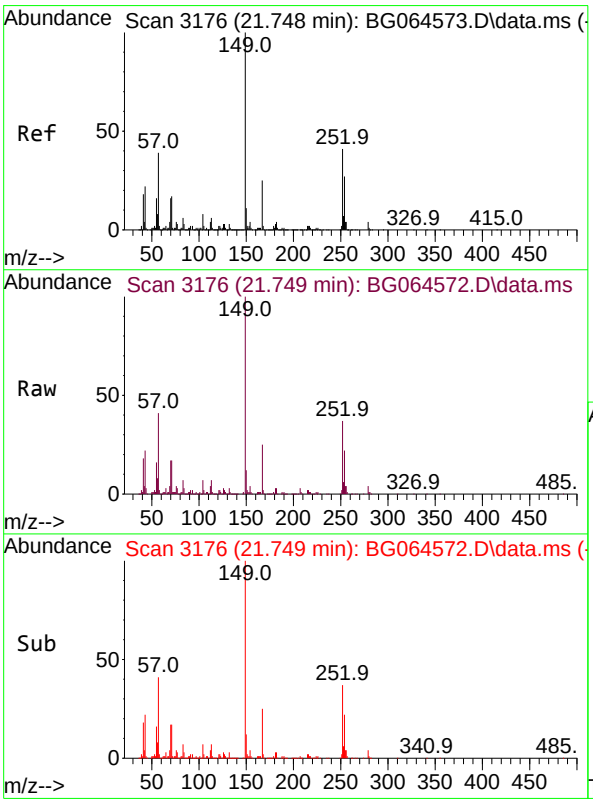
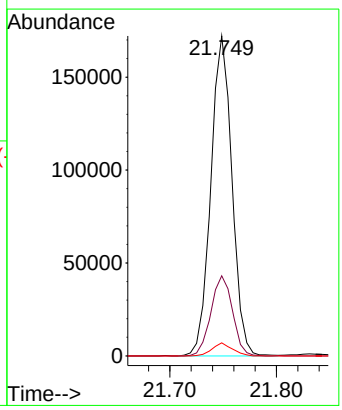
Supervised By :mohammad ahmed 11/05/2025

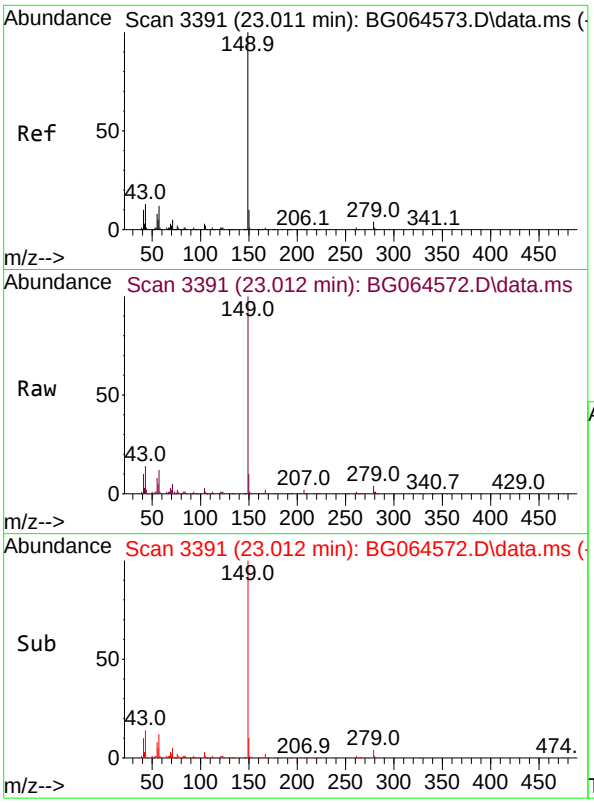


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.703 ng
RT: 21.749 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

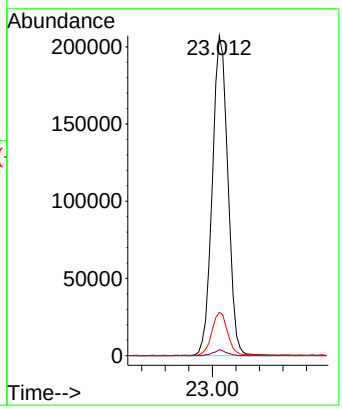




#85
Di-n-octyl phthalate
Concen: 18.740 ng
RT: 23.012 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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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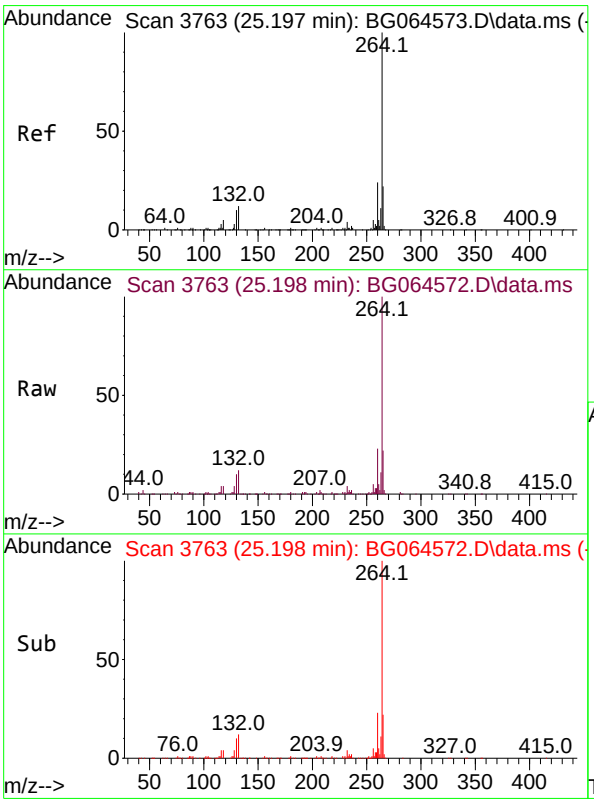
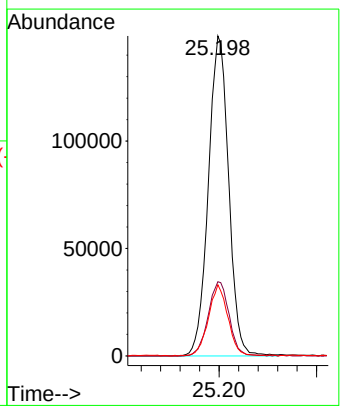
Supervised By :mohammad ahmed 11/05/2025

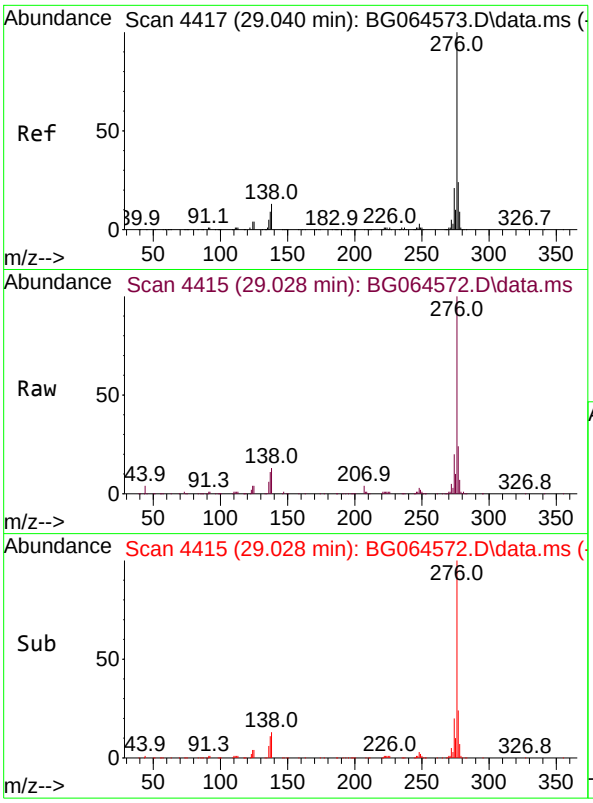


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3763
Delta R.T. 0.000 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

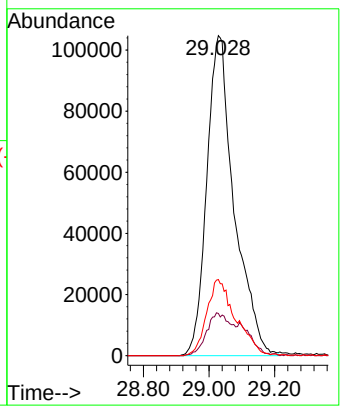




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.163 ng
RT: 29.028 min Scan# 44
Delta R.T. -0.011 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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
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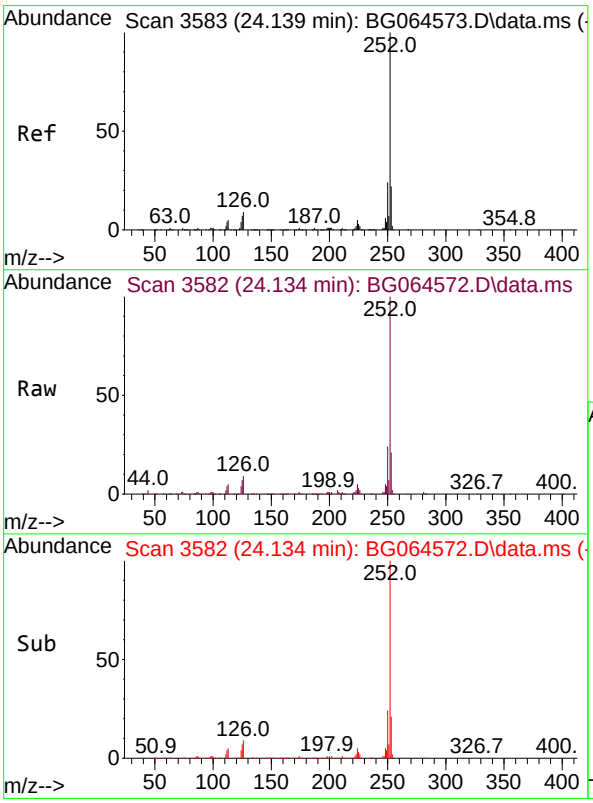
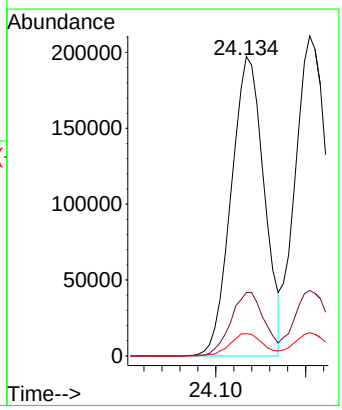
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

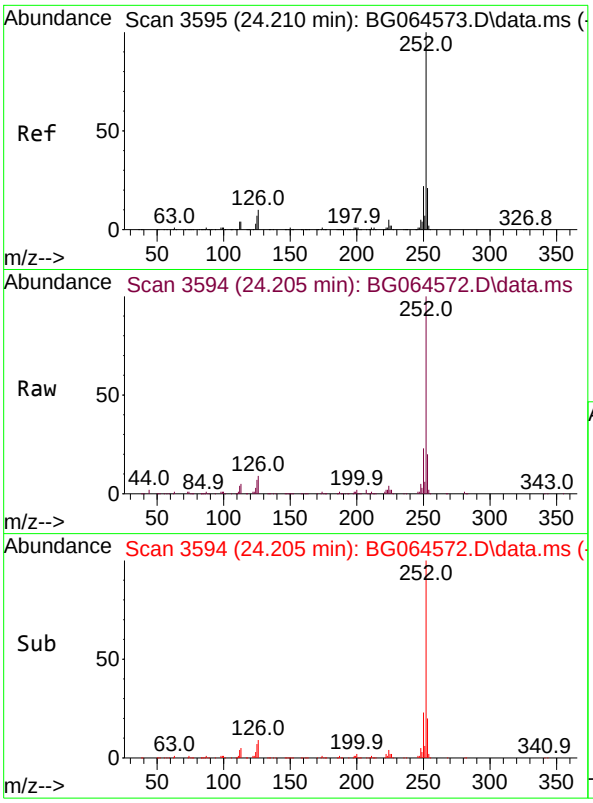


#88
Benzo(b)fluoranthene
Concen: 19.066 ng
RT: 24.134 min Scan# 3582
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

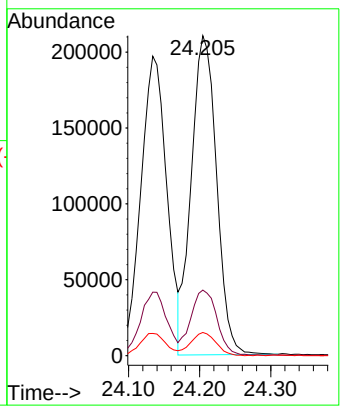




#89
Benzo(k)fluoranthene
Concen: 19.650 ng
RT: 24.205 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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
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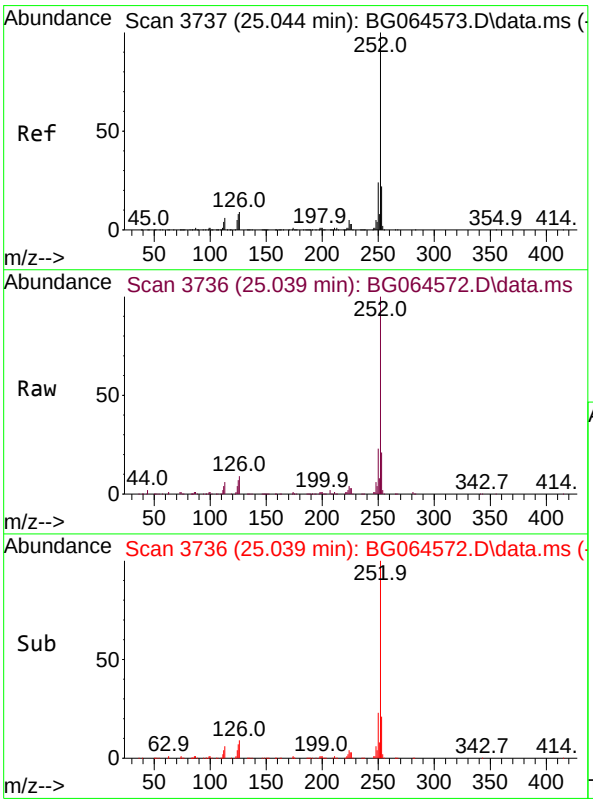
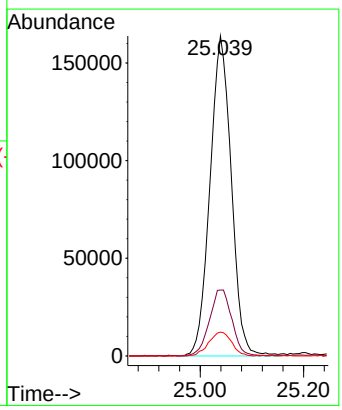
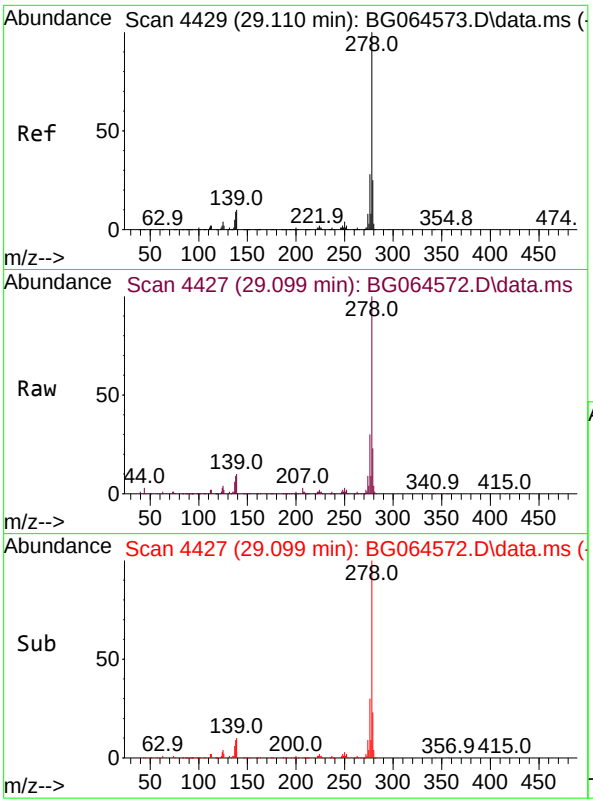


#90
Benzo(a)pyrene
Concen: 19.398 ng
RT: 25.039 min Scan# 3736
Delta R.T. -0.005 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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

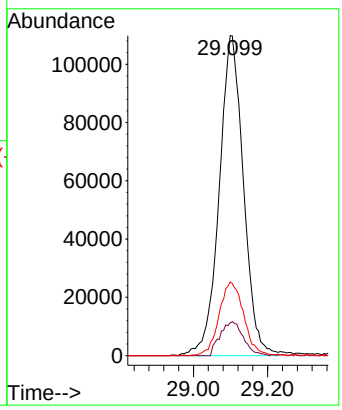




#91
Dibenzo(a,h)anthracene
Concen: 19.377 ng
RT: 29.099 min Scan# 44
Delta R.T. -0.011 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

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
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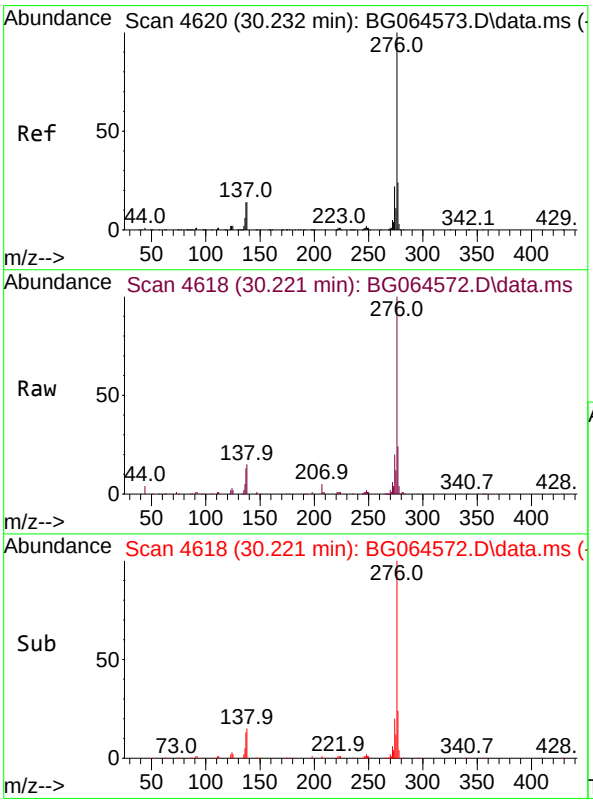
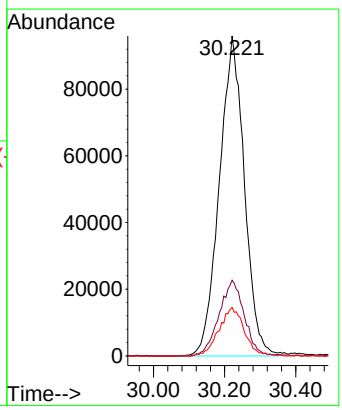
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 19.067 ng
RT: 30.221 min Scan# 4618
Delta R.T. -0.011 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:276 Resp: 468496

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	15.1	11.3	16.9



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

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:00:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

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	7.624	93	111183	41.613	ng	100
12) 1,3-Dichlorobenzene	8.111	146	122224	42.367	ng	100
13) 1,4-Dichlorobenzene	8.258	146	123314	42.037	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	8.652	107	102315	42.405	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	45.129	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	73604m	40.425	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	42.362	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: Nov 03 18:00:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

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	30.232	276	851248	42.492	ng	100

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

ICAL Form

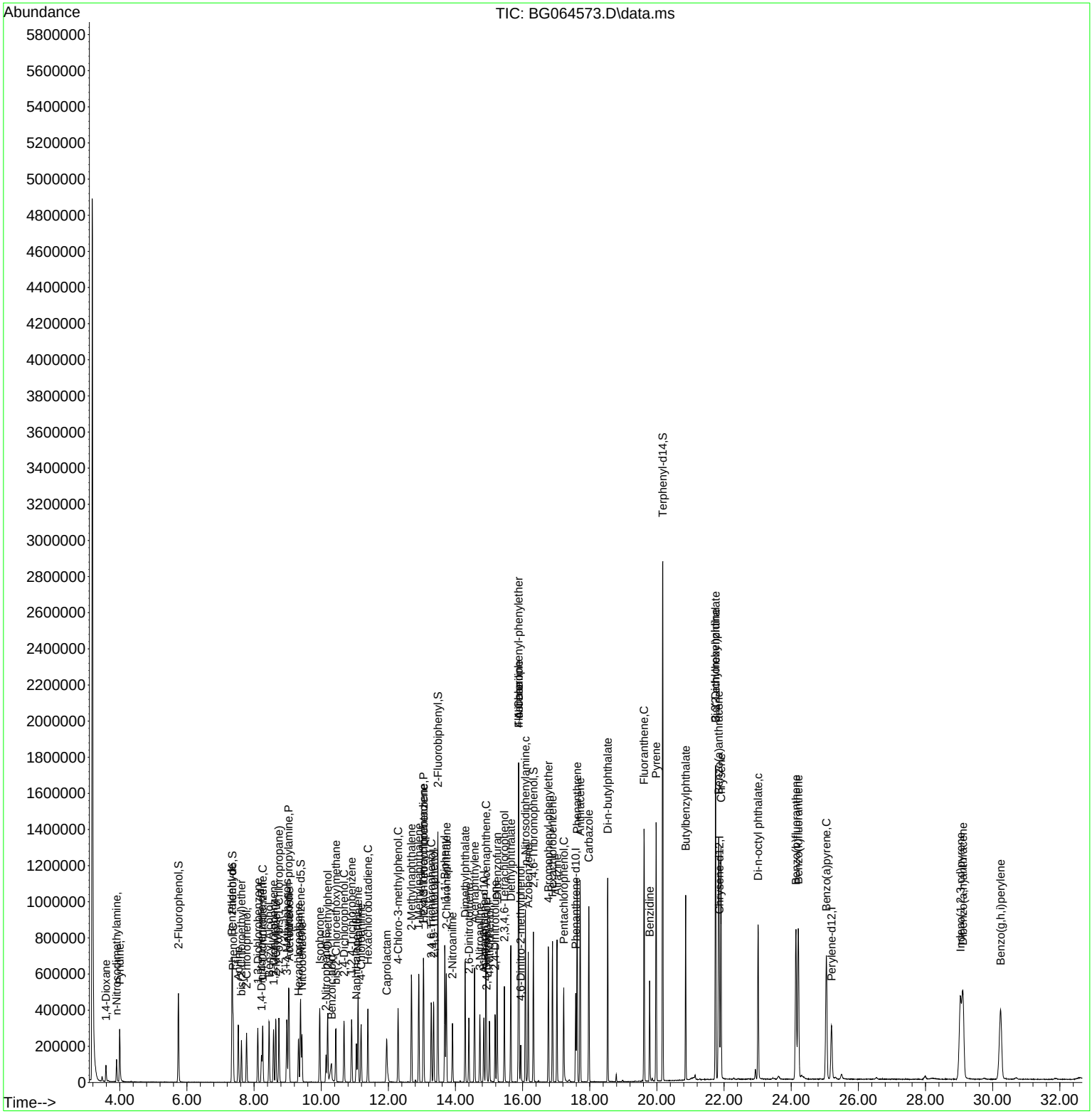
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

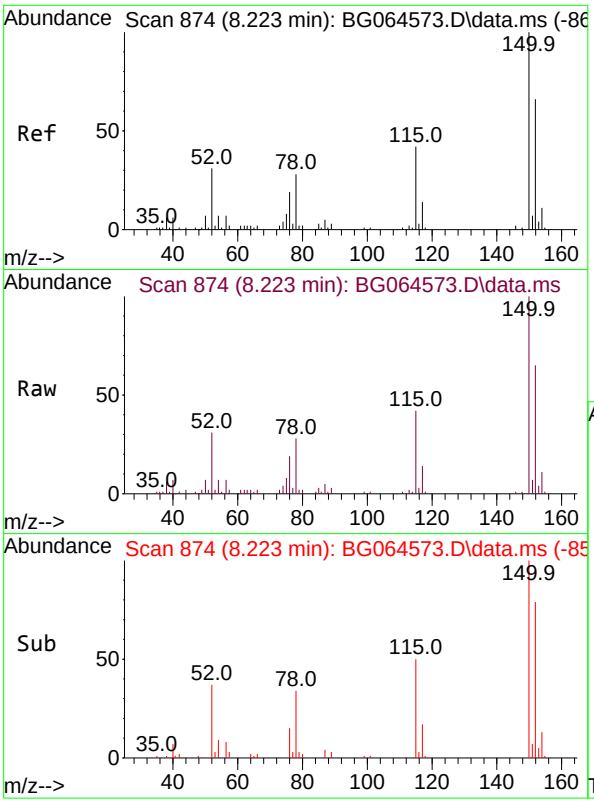
Quant Time: Nov 03 18:00:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

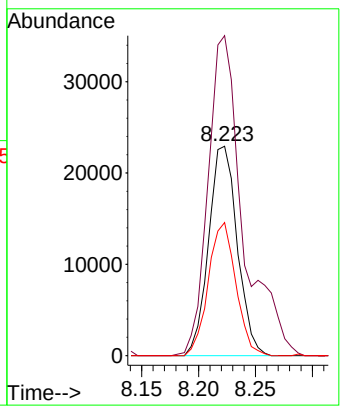




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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
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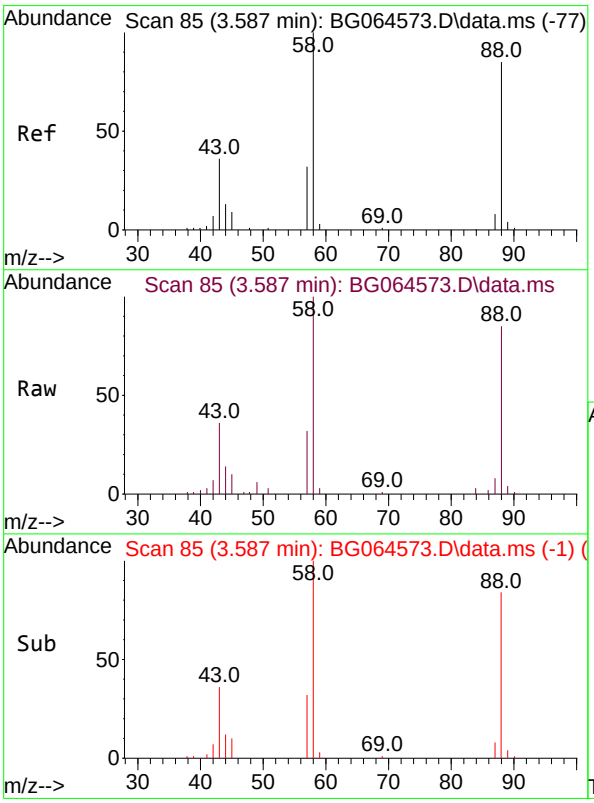
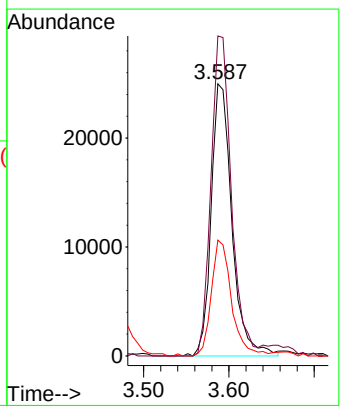
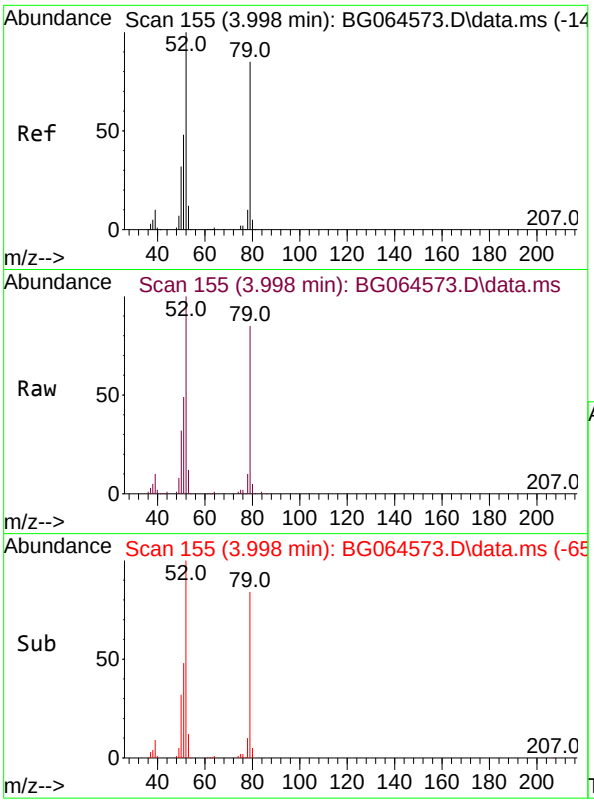


#2
1,4-Dioxane
Concen: 39.818 ng
RT: 3.587 min Scan# 85
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

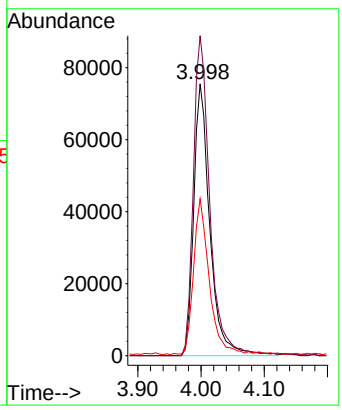




#3
Pyridine
Concen: 42.136 ng
RT: 3.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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
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Reviewed By :Rahul Chavli 10/27/2025
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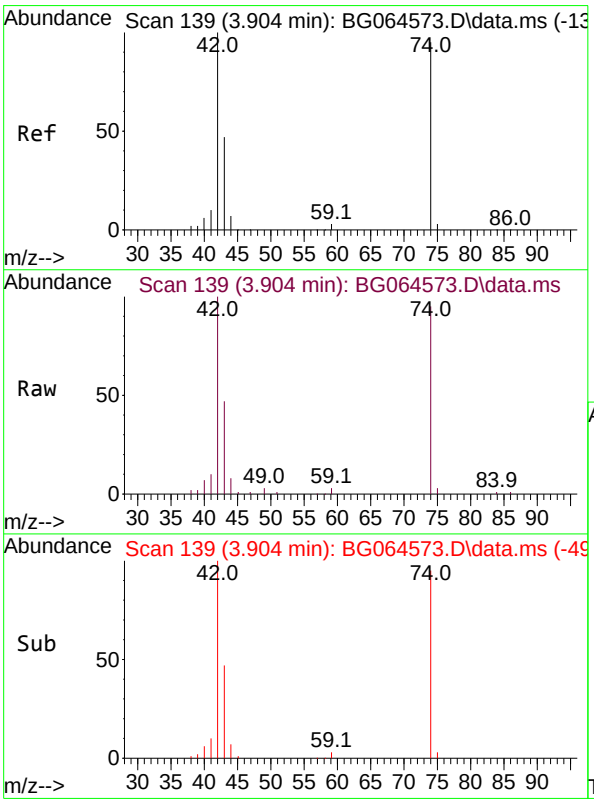
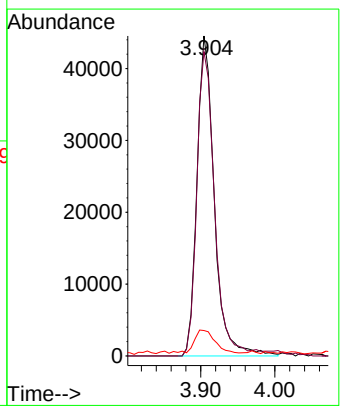
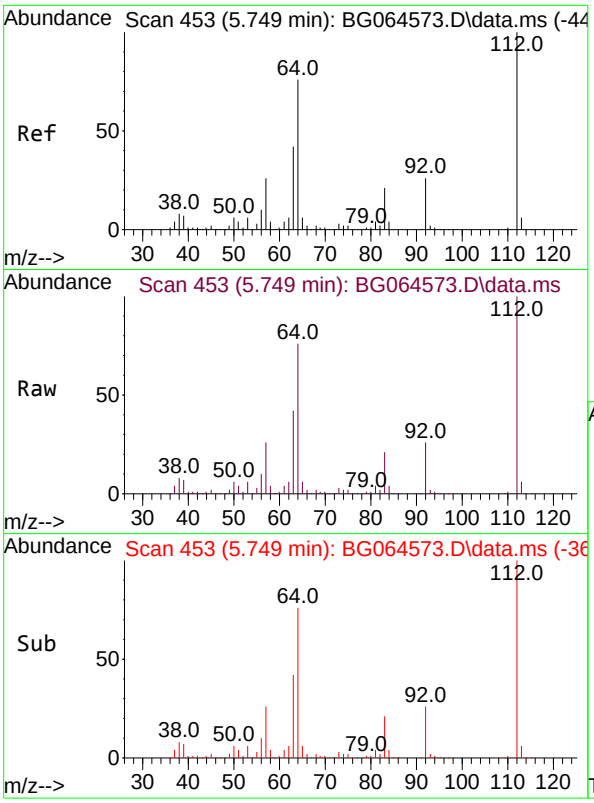


#4
n-Nitrosodimethylamine
Concen: 42.385 ng
RT: 3.904 min Scan# 139
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

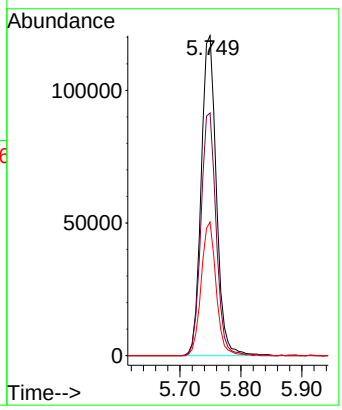




#5
2-Fluorophenol
Concen: 86.778 ng
RT: 5.749 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

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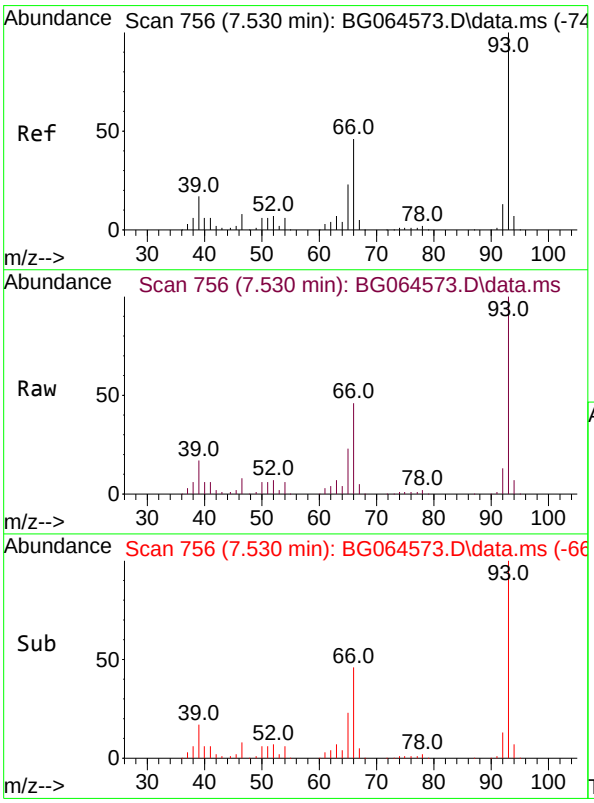
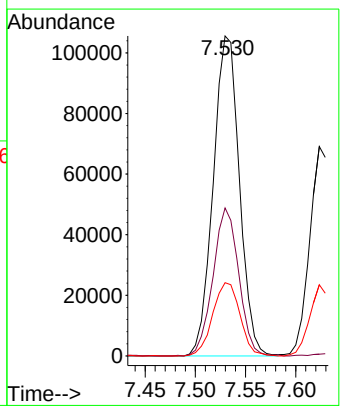
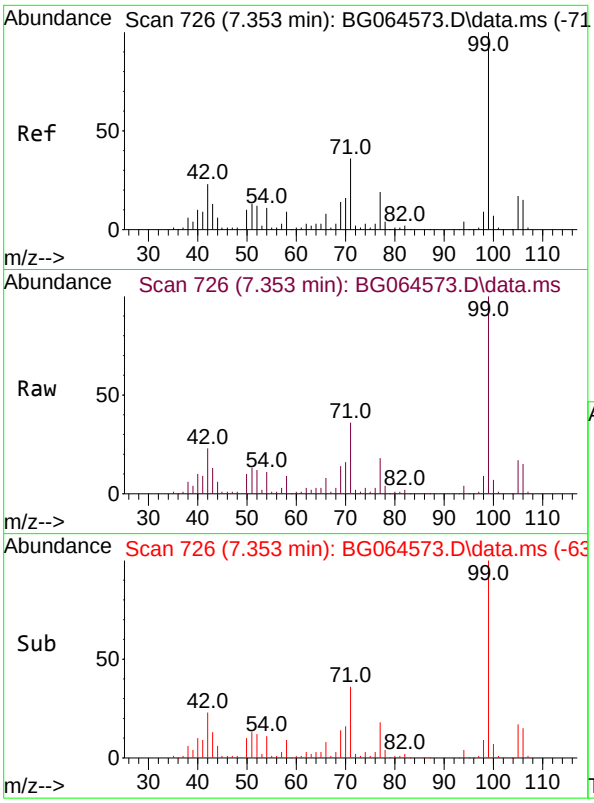


#6
Aniline
Concen: 42.894 ng
RT: 7.530 min Scan# 756
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

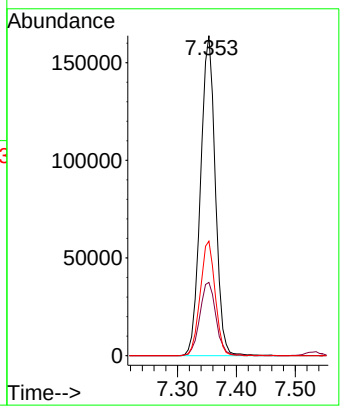




#7
Phenol-d6
Concen: 86.638 ng
RT: 7.353 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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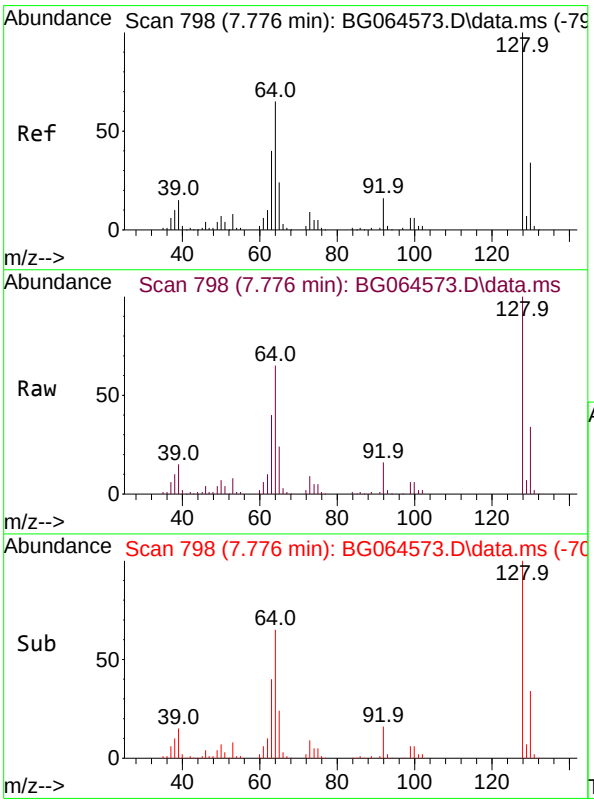
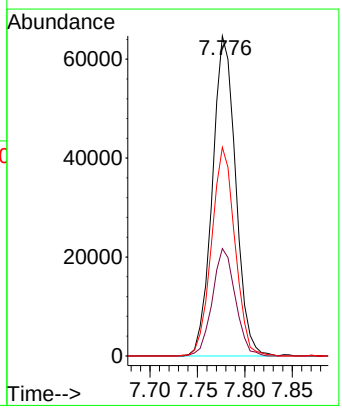
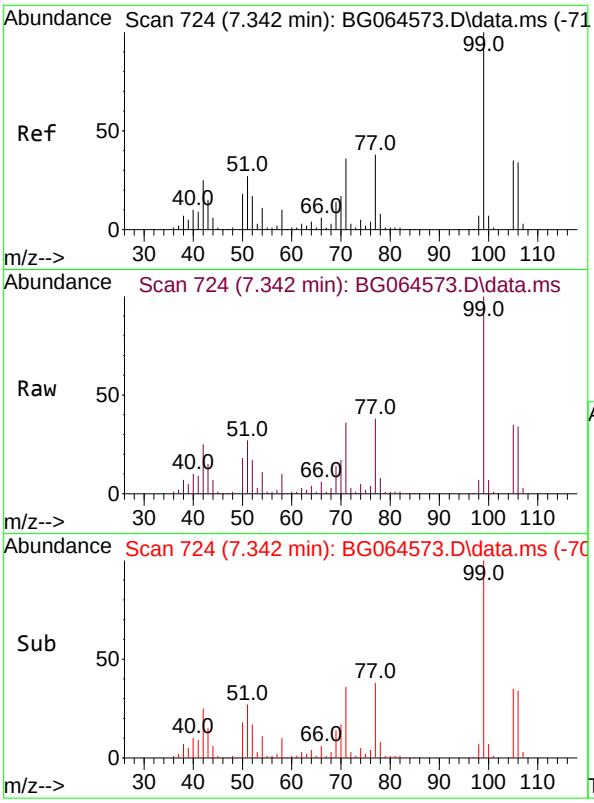


#8
2-Chlorophenol
Concen: 44.051 ng
RT: 7.776 min Scan# 798
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

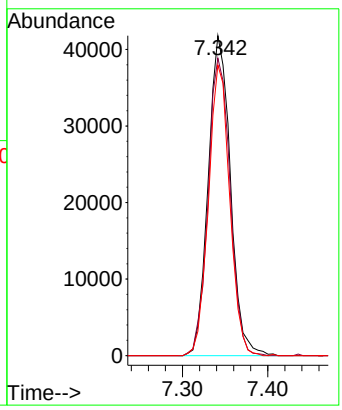




#9
Benzaldehyde
Concen: 42.117 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
BNA_G
ClientSampleId :
SSTDICCC040

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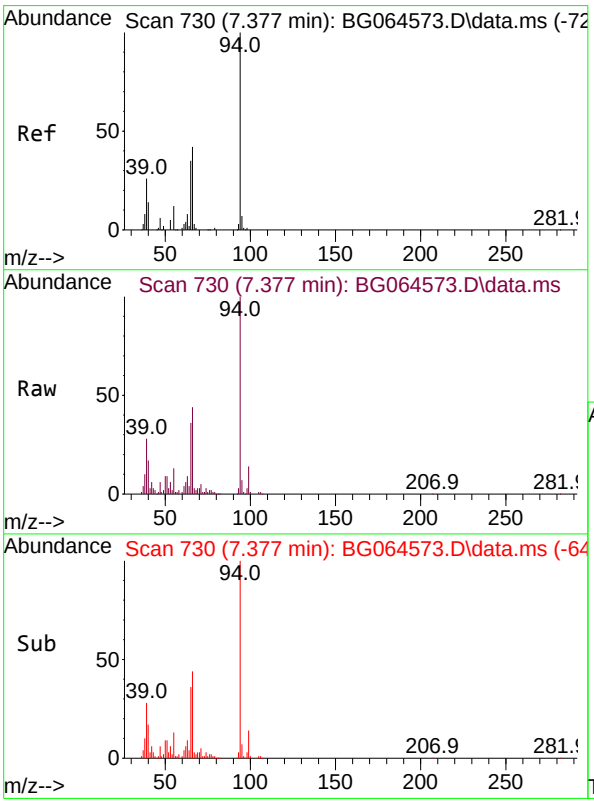
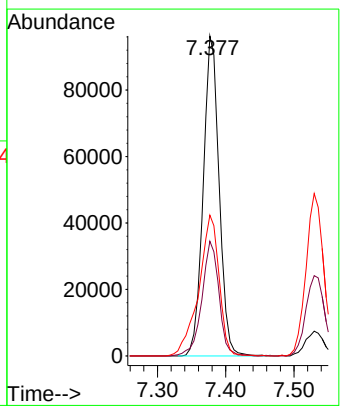
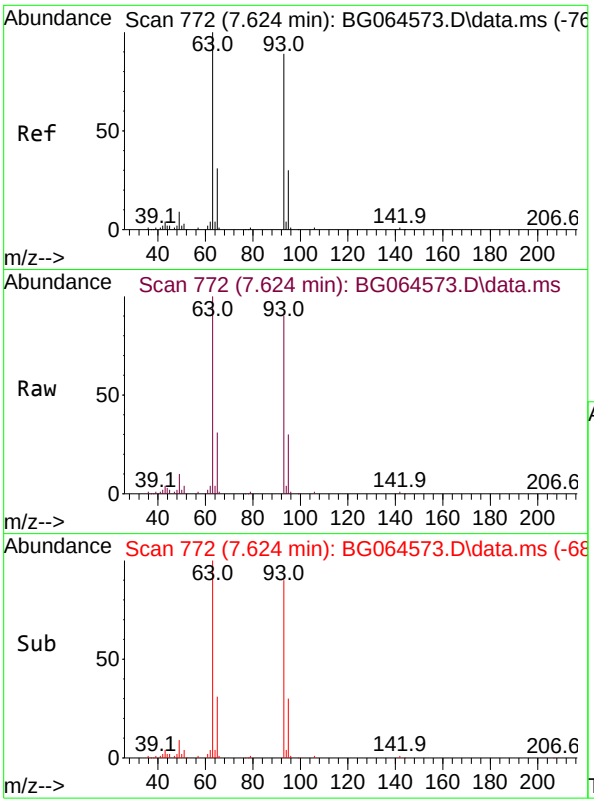


#10
Phenol
Concen: 42.998 ng
RT: 7.377 min Scan# 730
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

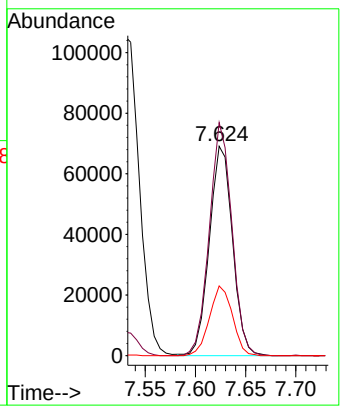




#11
bis(2-Chloroethyl)ether
Concen: 41.613 ng
RT: 7.624 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 93 Resp: 11118

Ion	Ratio	Lower	Upper
93	100		
63	111.3	91.3	131.3
95	33.3	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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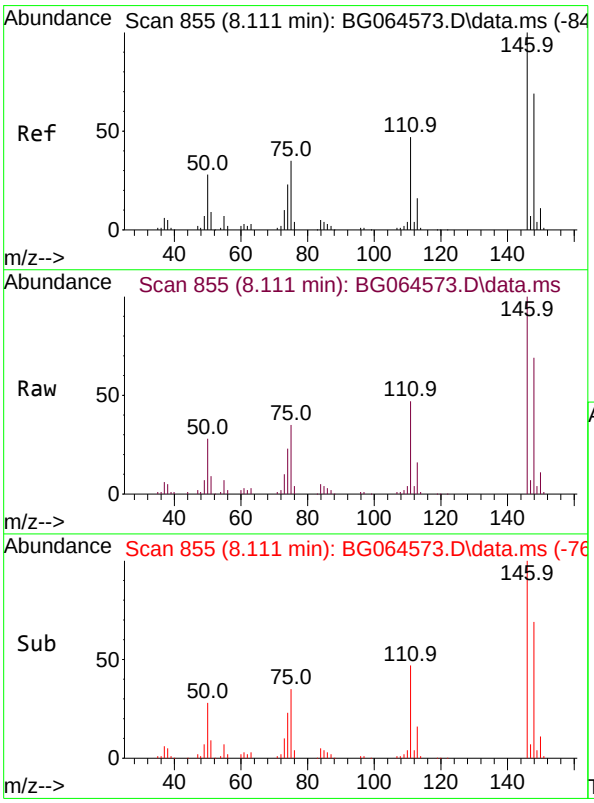
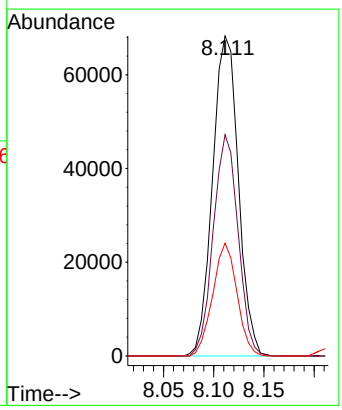
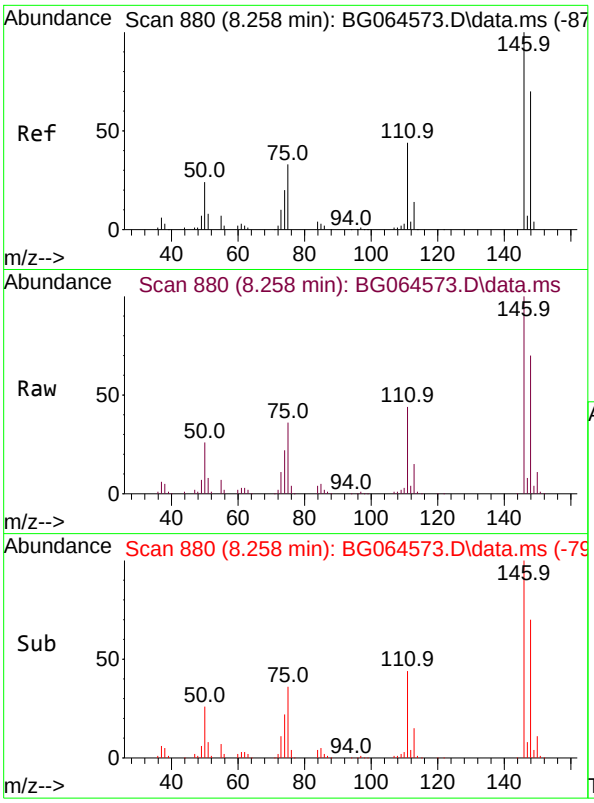


#12
1,3-Dichlorobenzene
Concen: 42.367 ng
RT: 8.111 min Scan# 855
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

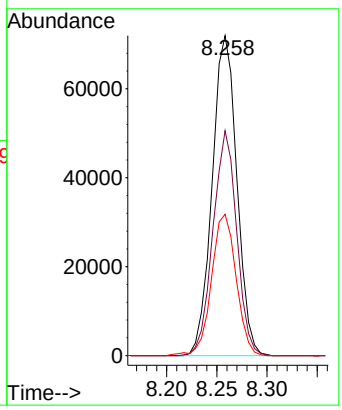




#13
1,4-Dichlorobenzene
Concen: 42.037 ng
RT: 8.258 min Scan# 88
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:146 Resp: 12331

Ion	Ratio	Lower	Upper
146	100		
148	70.3	56.2	84.4
111	44.2	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
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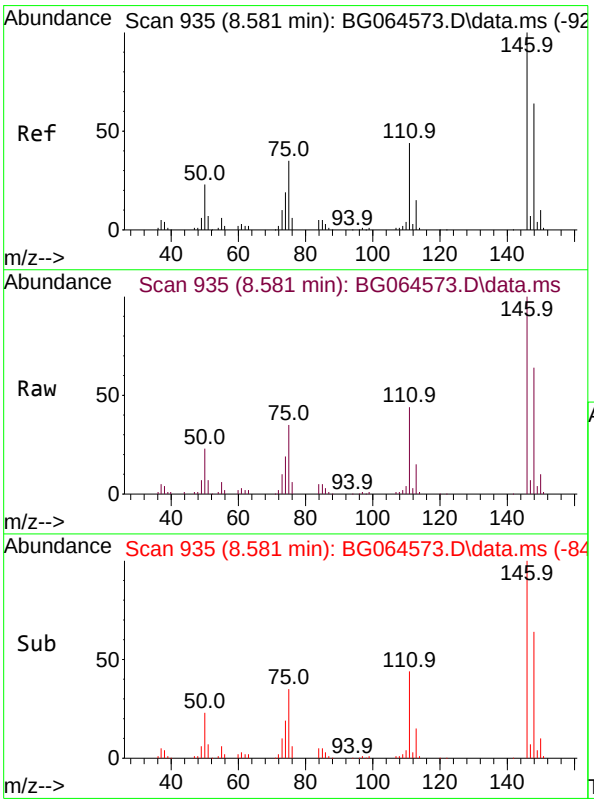
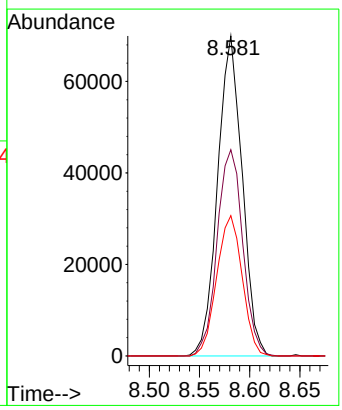
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

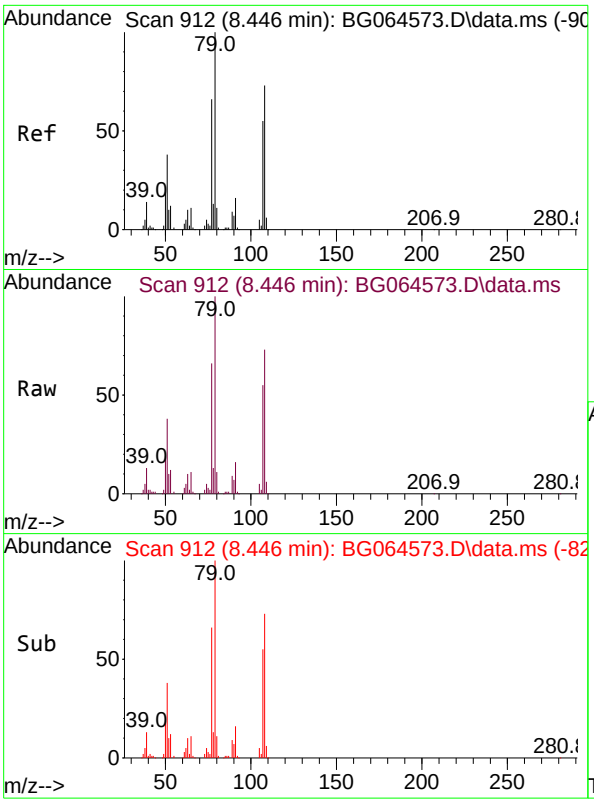


#14
1,2-Dichlorobenzene
Concen: 42.140 ng
RT: 8.581 min Scan# 935
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

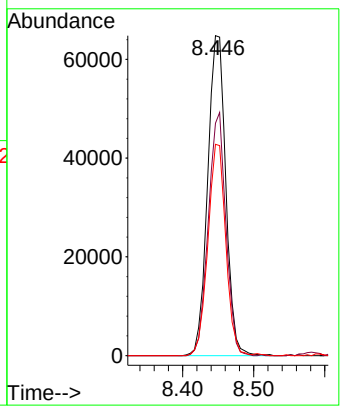




#15
Benzyl Alcohol
Concen: 42.265 ng
RT: 8.446 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
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ClientSampleId :
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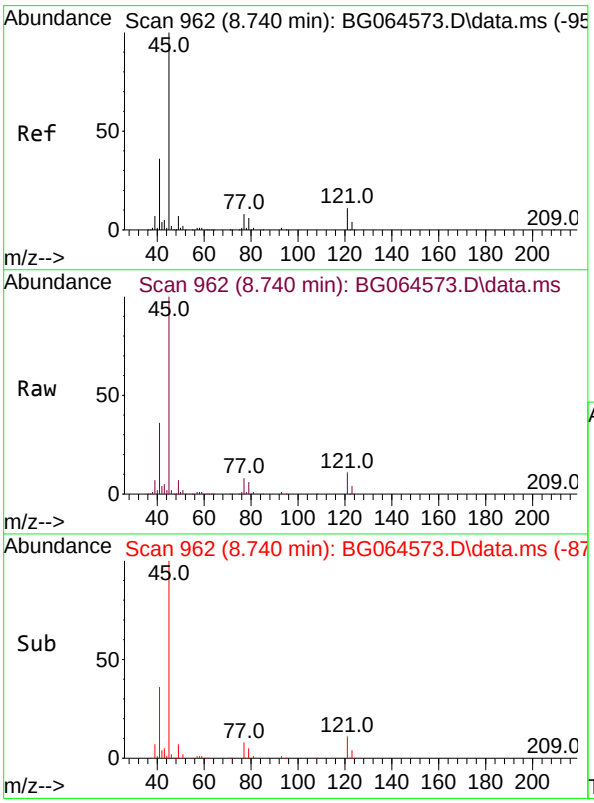
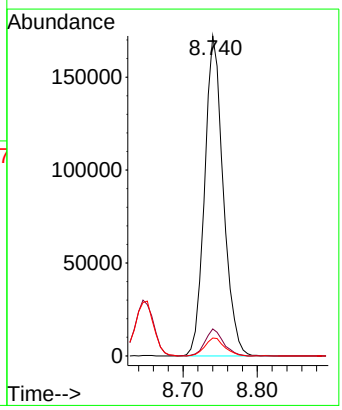
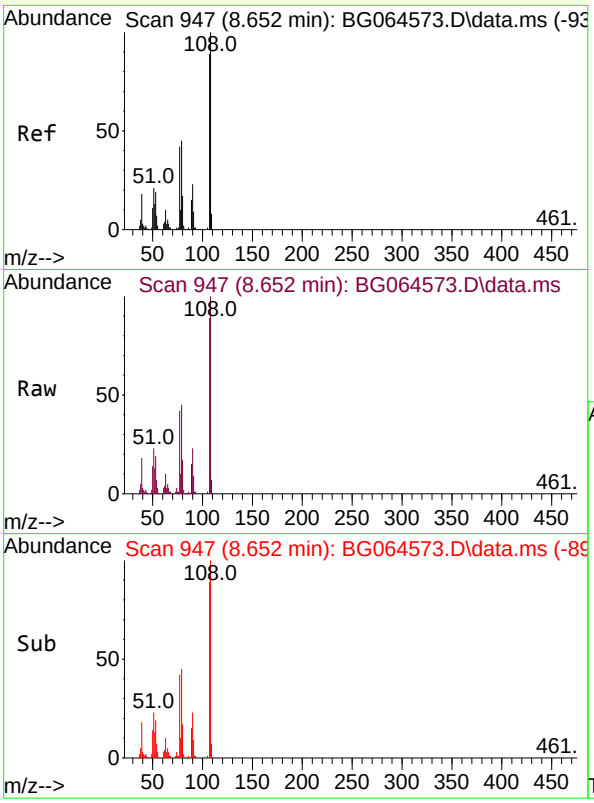


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.819 ng
RT: 8.740 min Scan# 962
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

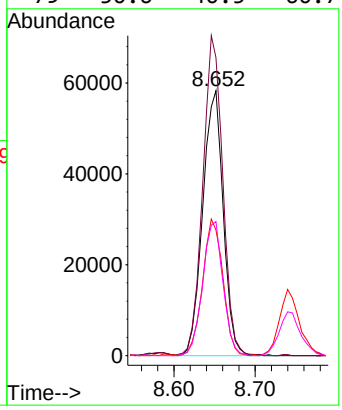




#17
2-Methylphenol
Concen: 42.405 ng
RT: 8.652 min Scan# 94
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:107 Resp: 10231

Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.0	135.0
77	47.3	37.8	56.8
79	50.6	40.5	60.7



Instrument :
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ClientSampleId :
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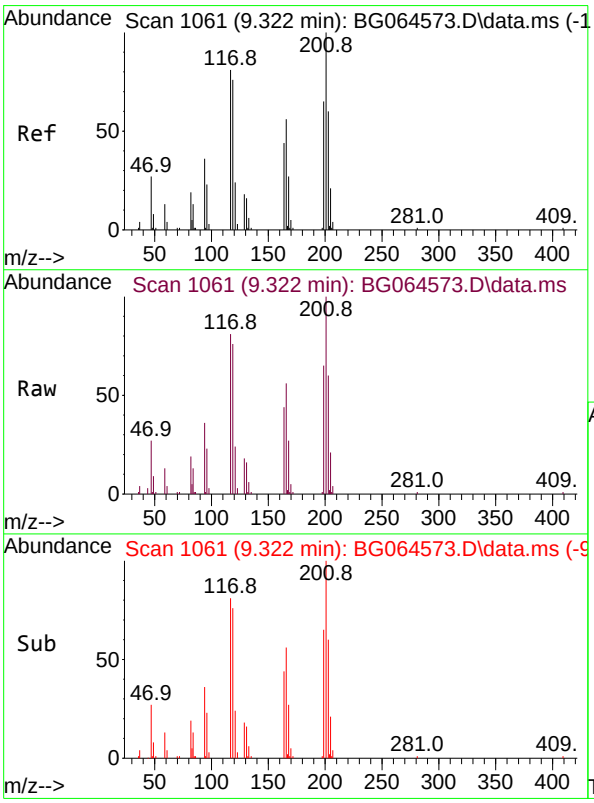
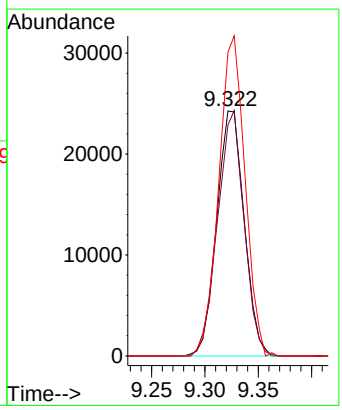
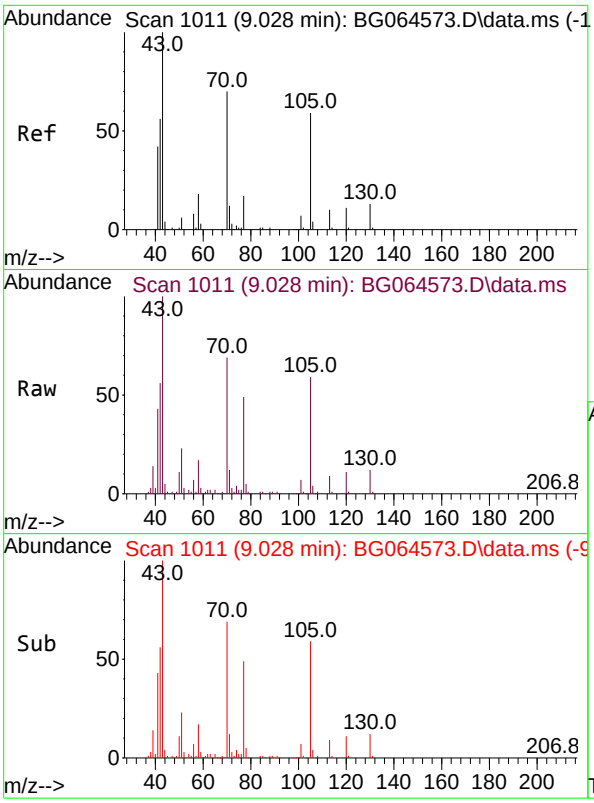


#18
Hexachloroethane
Concen: 42.246 ng
RT: 9.322 min Scan# 1061
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

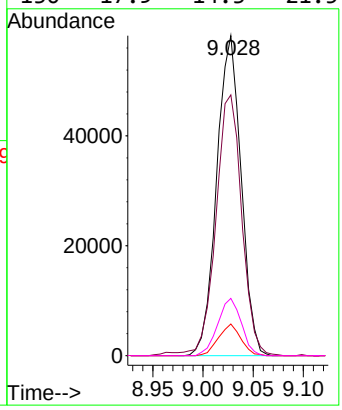




#19
n-Nitroso-di-n-propylamine
Concen: 43.438 ng
RT: 9.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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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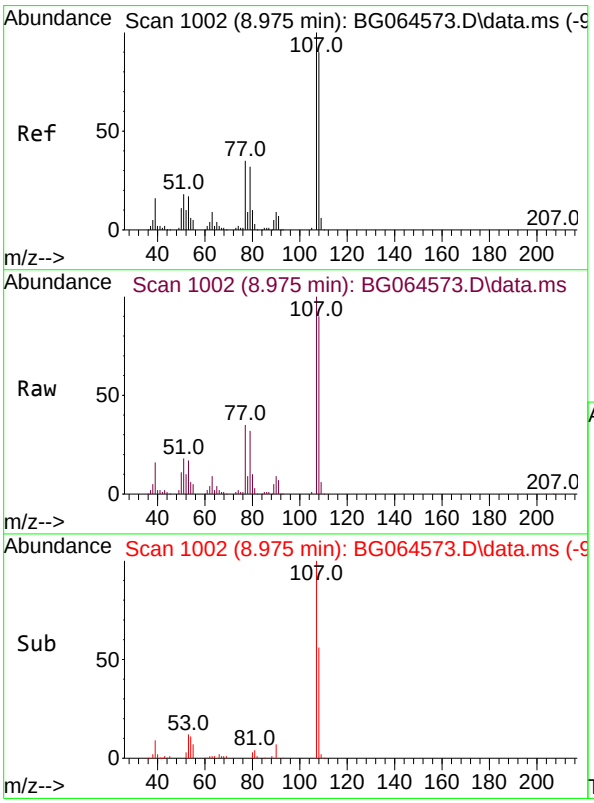
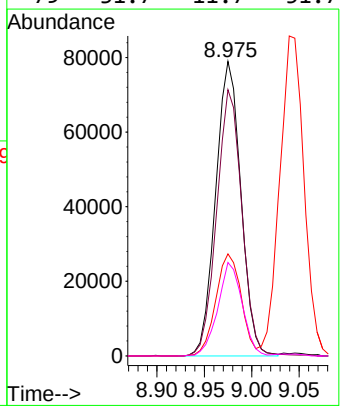
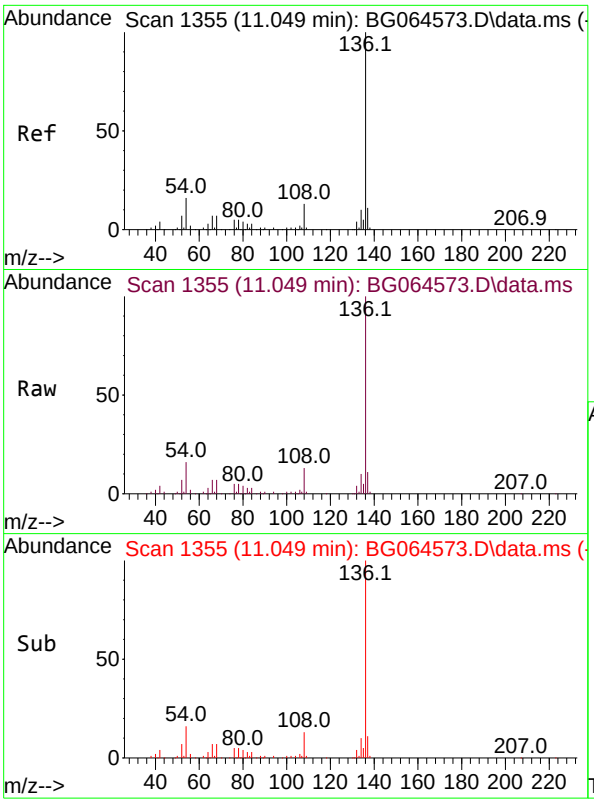


#20
3+4-Methylphenols
Concen: 43.080 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

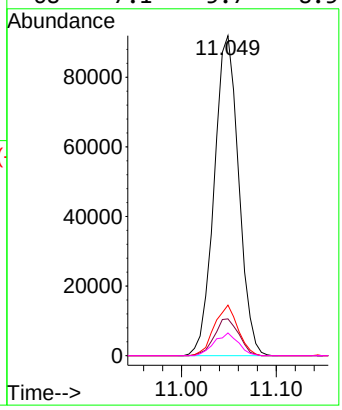




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
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ClientSampleId :
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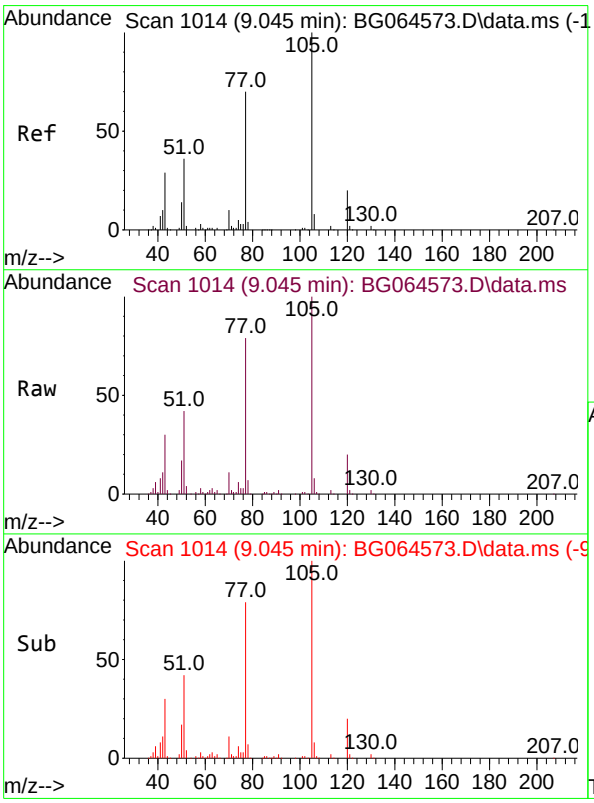
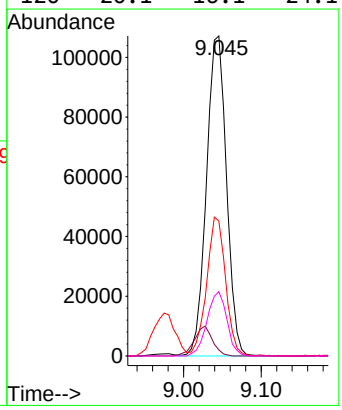
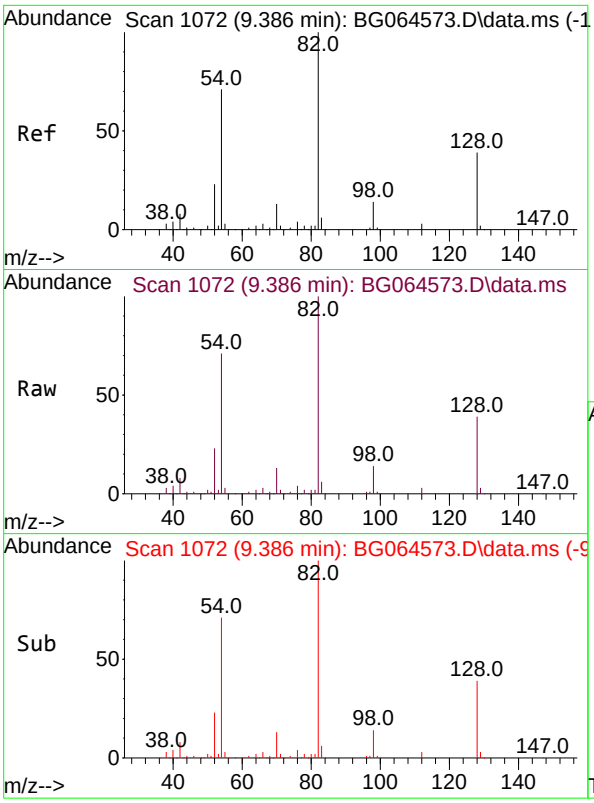


#22
Acetophenone
Concen: 42.750 ng
RT: 9.045 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

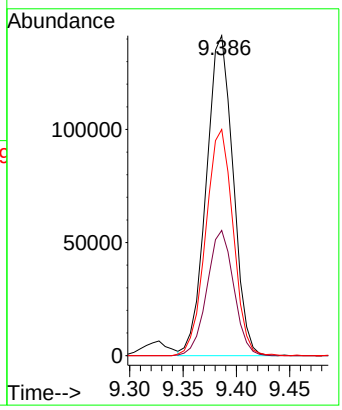




#23
Nitrobenzene-d5
Concen: 90.513 ng
RT: 9.386 min Scan# 10
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
BNA_G
ClientSampleId :
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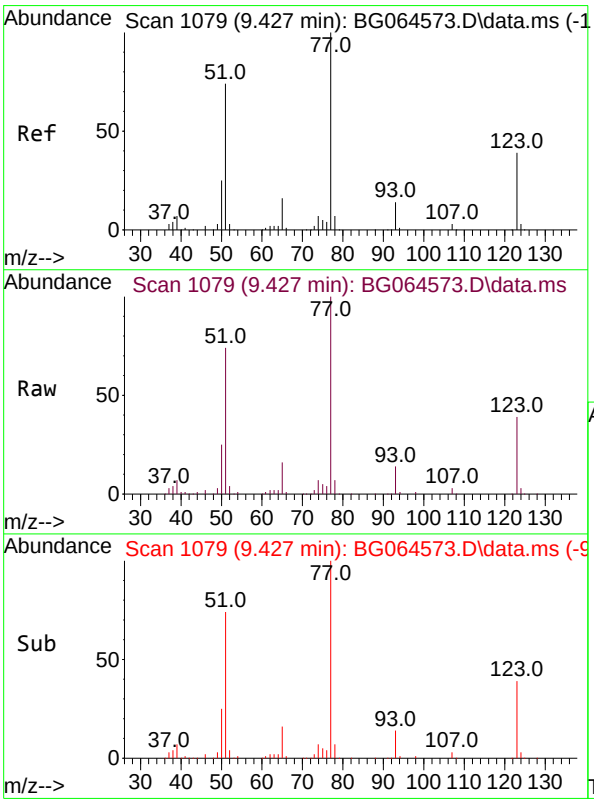
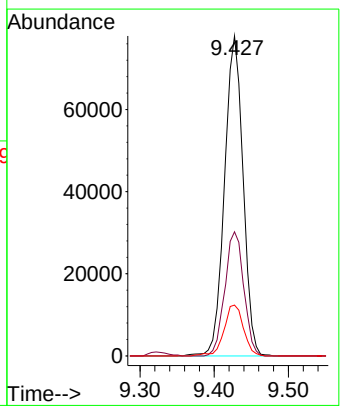
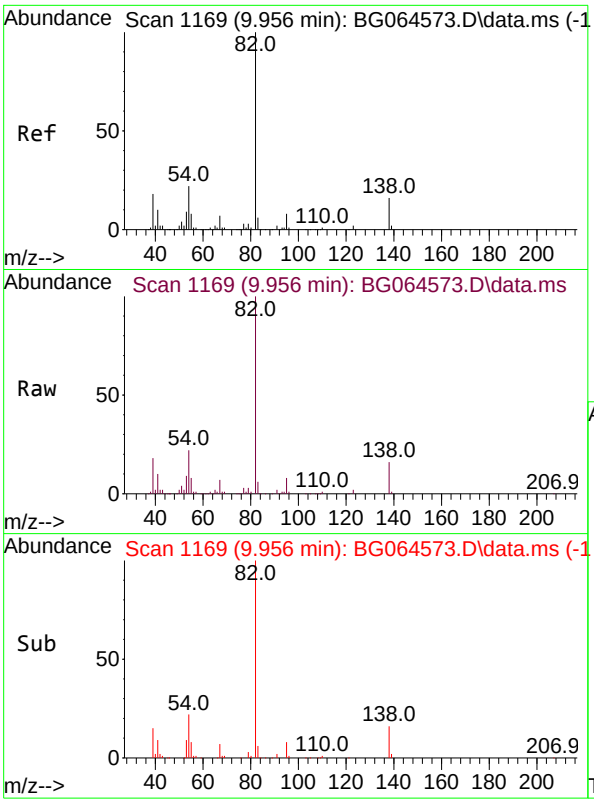


#24
Nitrobenzene
Concen: 45.274 ng
RT: 9.427 min Scan# 1079
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

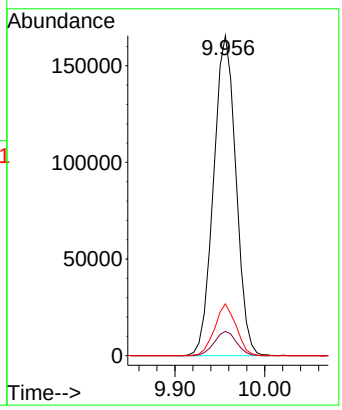




#25
Isophorone
Concen: 43.507 ng
RT: 9.956 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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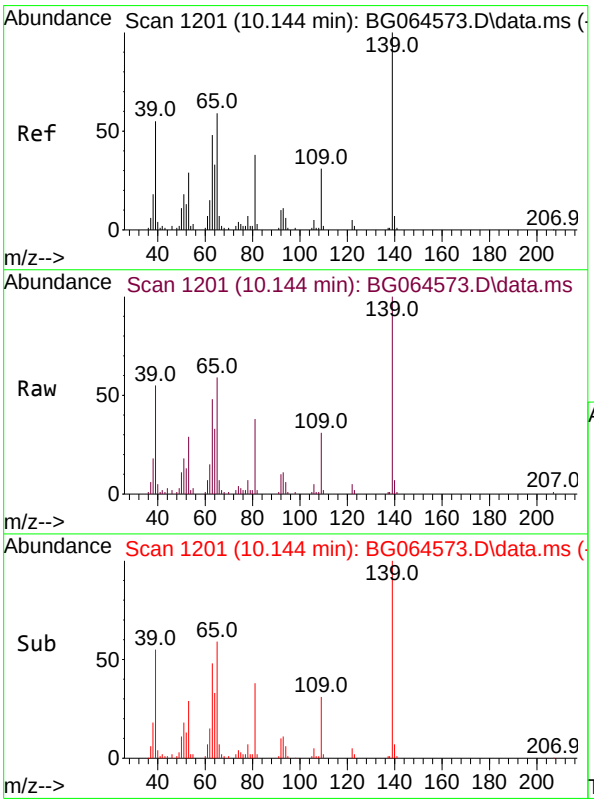
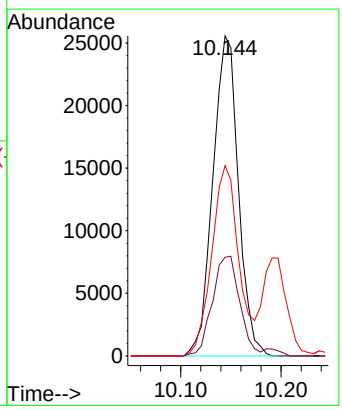
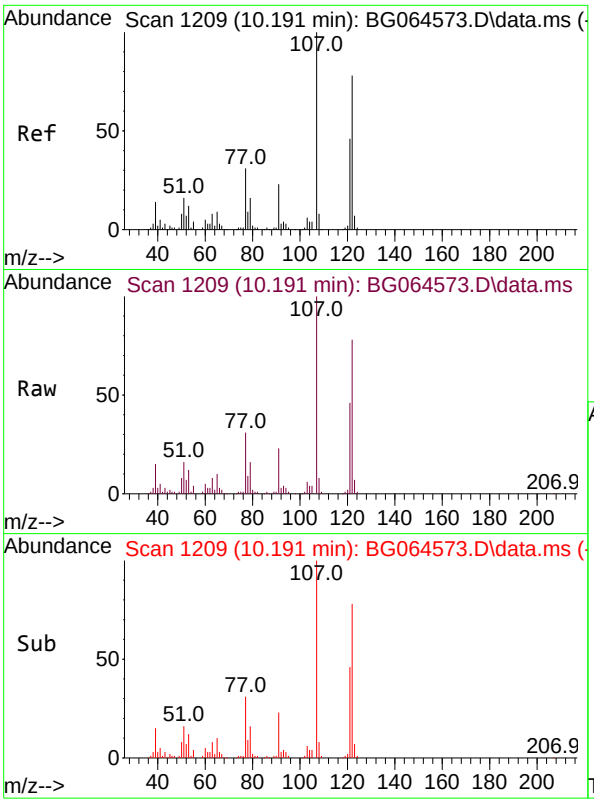


#26
2-Nitrophenol
Concen: 39.772 ng
RT: 10.144 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

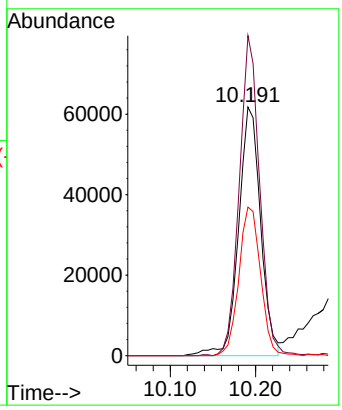




#27
2,4-Dimethylphenol
Concen: 45.129 ng
RT: 10.191 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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



Instrument :
BNA_G
ClientSampleId :
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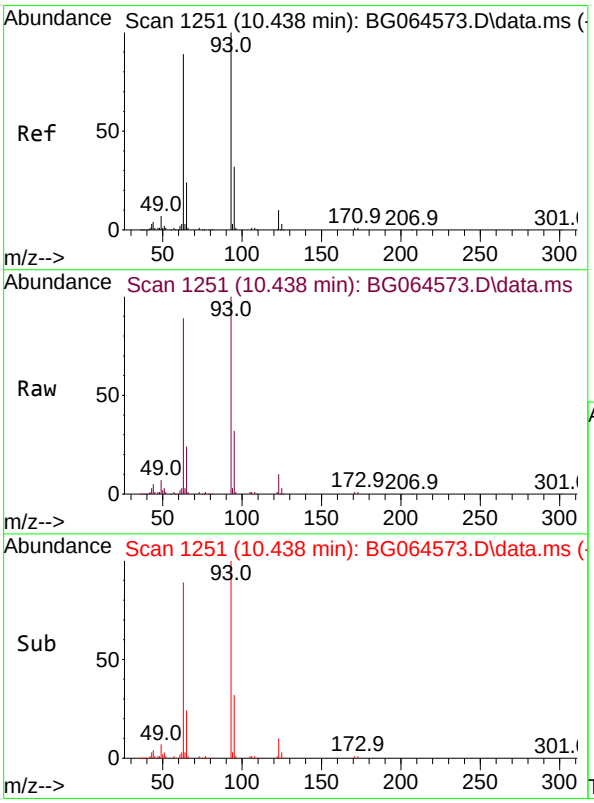
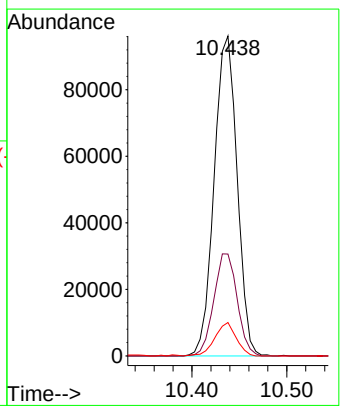
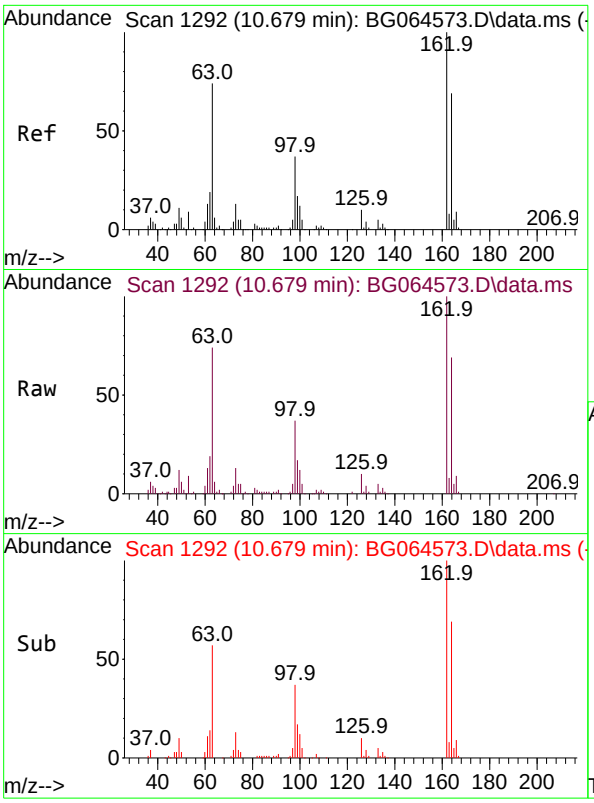


#28
bis(2-Chloroethoxy)methane
Concen: 43.070 ng
RT: 10.438 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

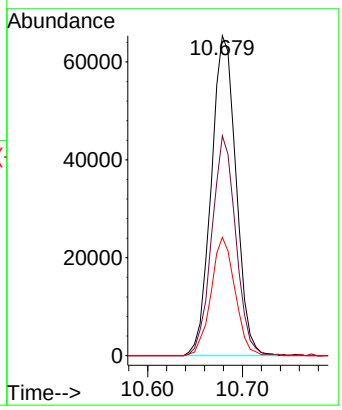




#29
2,4-Dichlorophenol
Concen: 45.026 ng
RT: 10.679 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
BNA_G
ClientSampleId :
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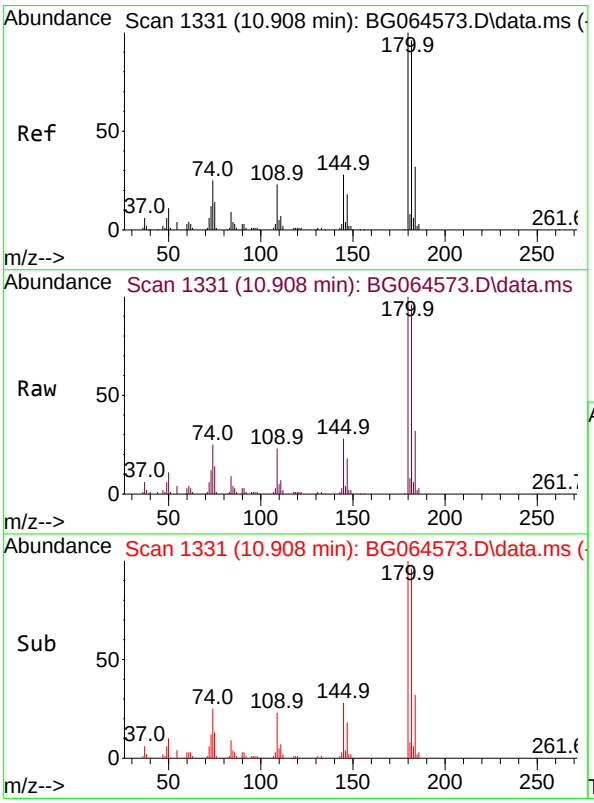
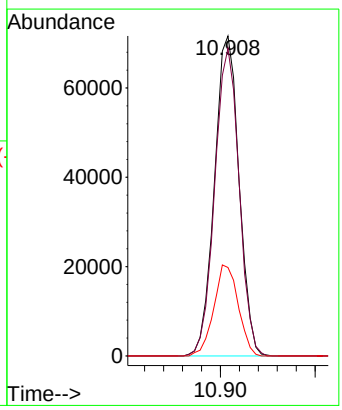
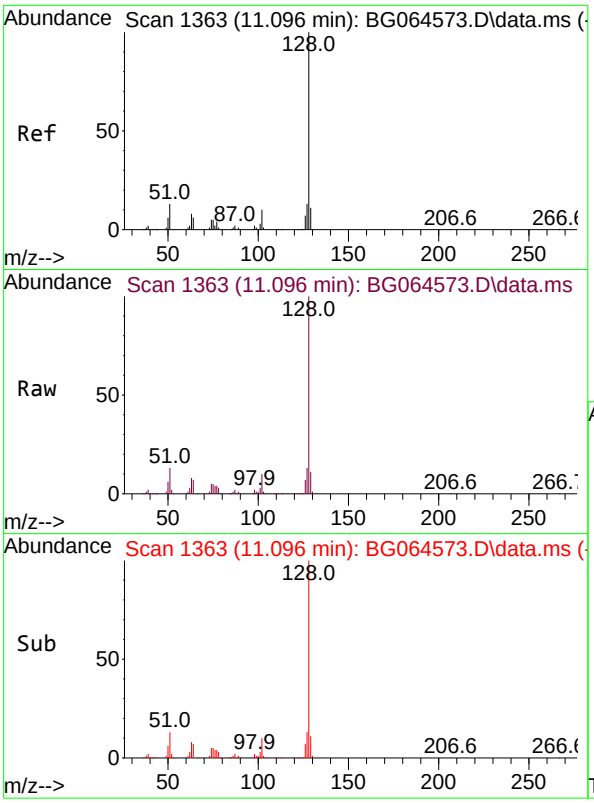


#30
1,2,4-Trichlorobenzene
Concen: 43.046 ng
RT: 10.908 min Scan# 1331
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

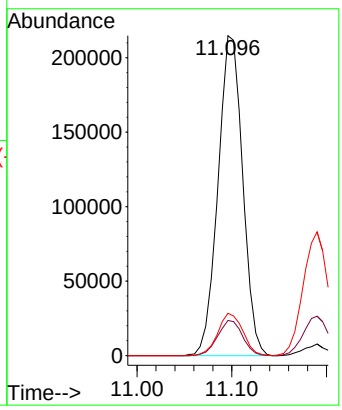




#31
Naphthalene
Concen: 42.469 ng
RT: 11.096 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
SSTDICCC040

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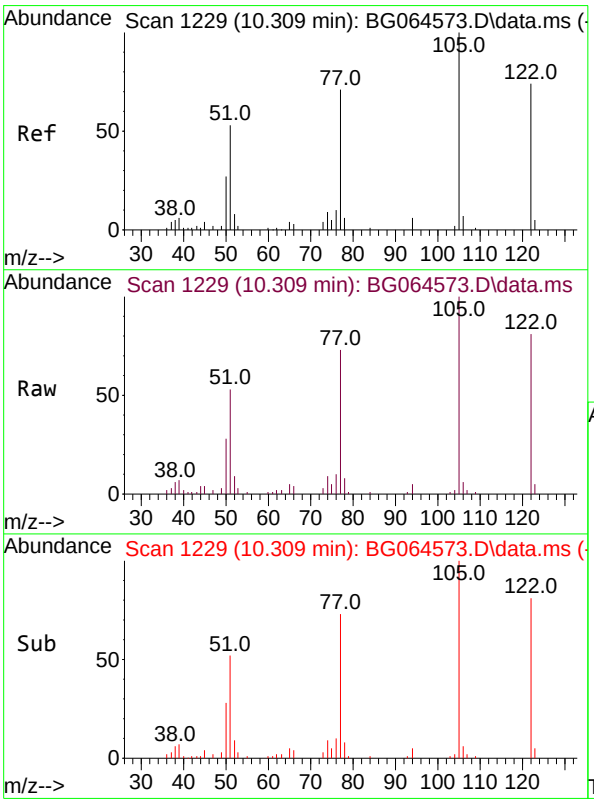
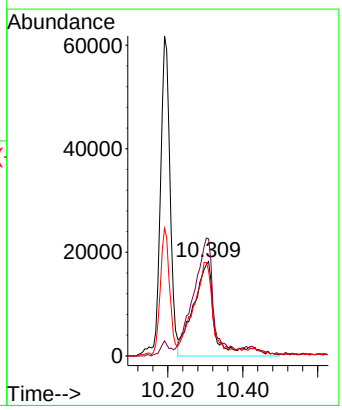
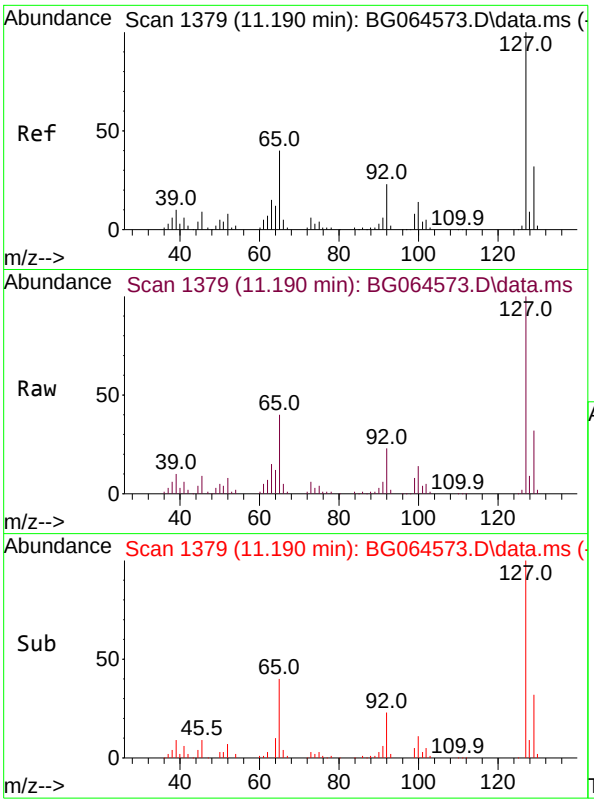


#32
Benzoic acid
Concen: 40.425 ng m
RT: 10.309 min Scan# 1229
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:122 Resp: 73604

Ion	Ratio	Lower	Upper
122	100		
105	124.2	104.2	144.2
77	90.2	70.2	110.2

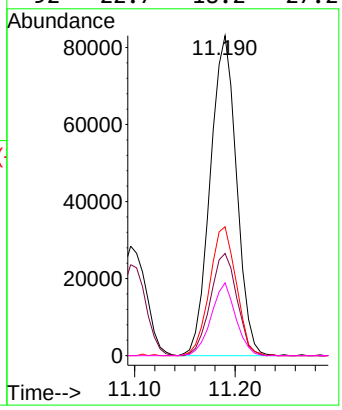




#33
4-Chloroaniline
Concen: 42.585 ng
RT: 11.190 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
SSTDICCC040

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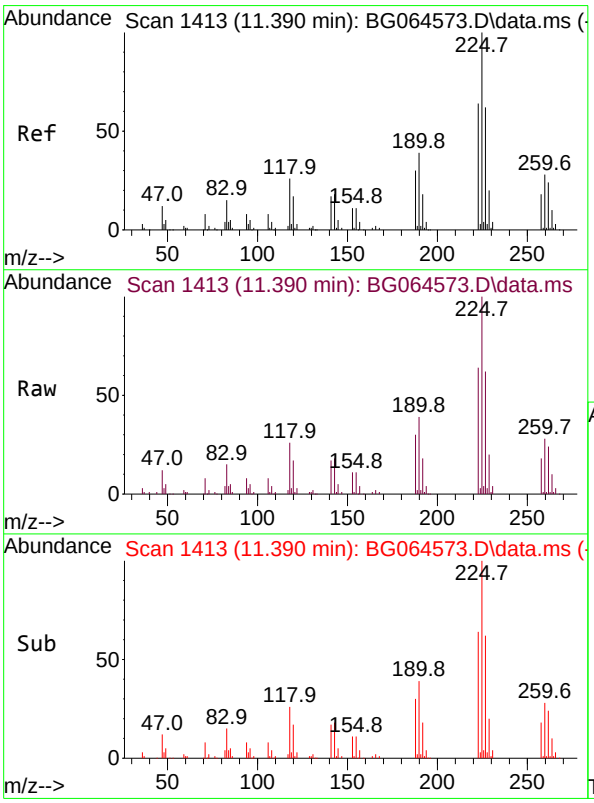
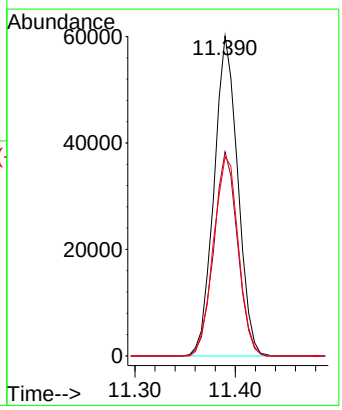
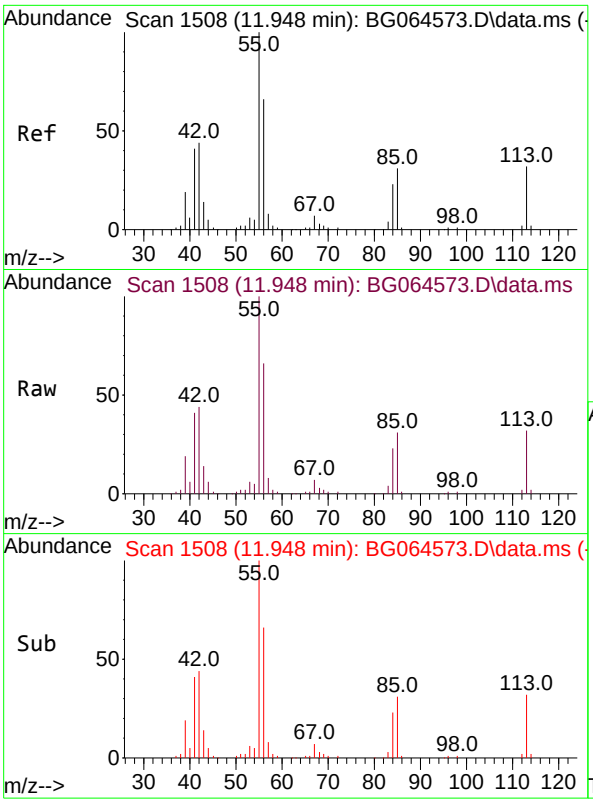


#34
Hexachlorobutadiene
Concen: 42.139 ng
RT: 11.390 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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. 0.000 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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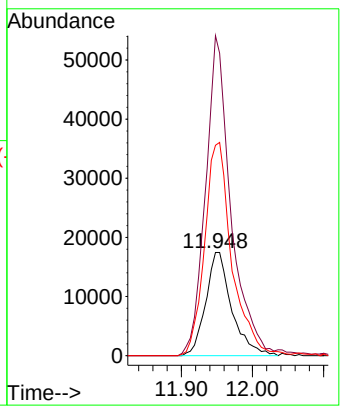
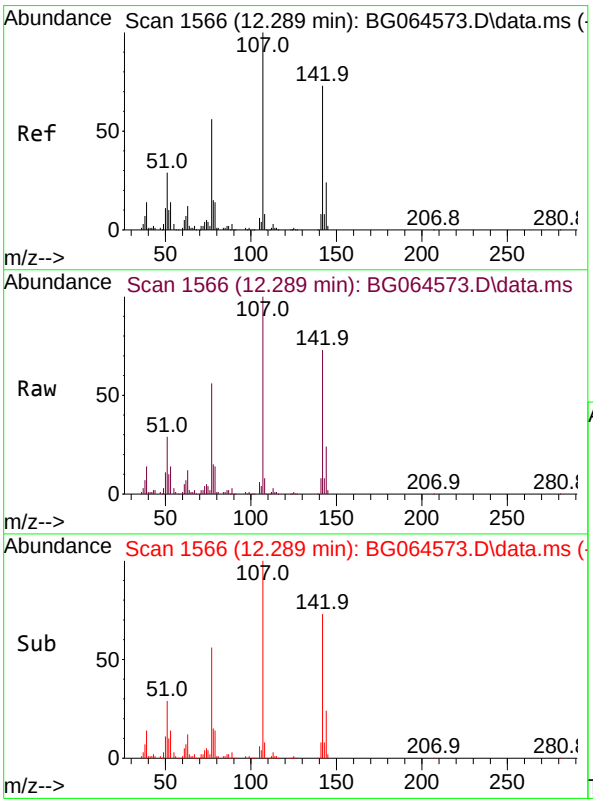
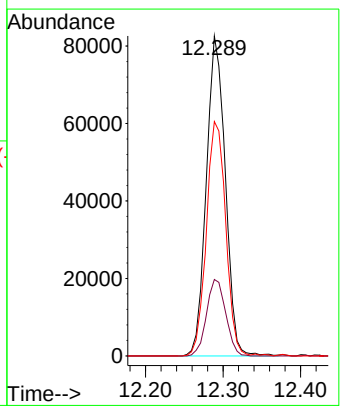


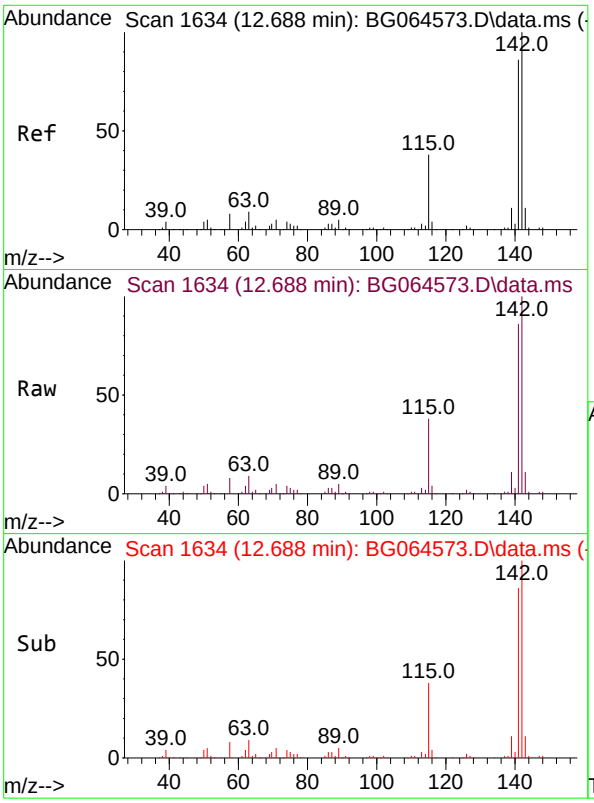


#36
4-Chloro-3-methylphenol
Concen: 44.278 ng
RT: 12.289 min Scan# 1566
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

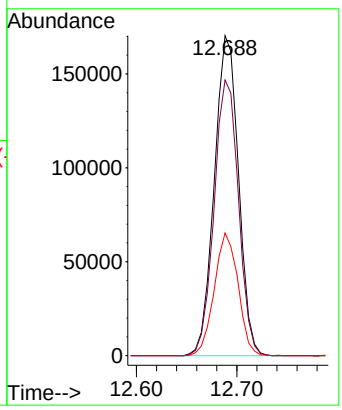




#37
2-Methylnaphthalene
Concen: 42.499 ng
RT: 12.688 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
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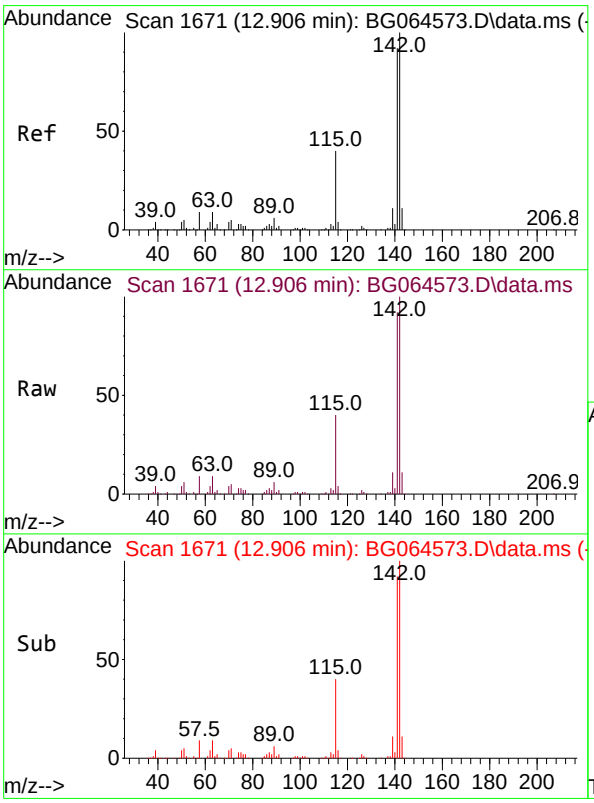
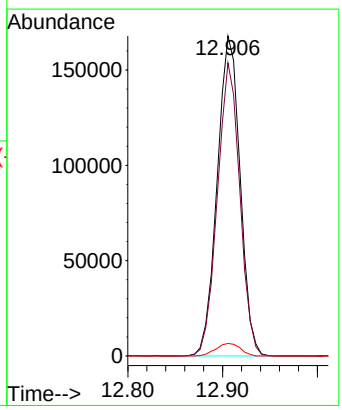
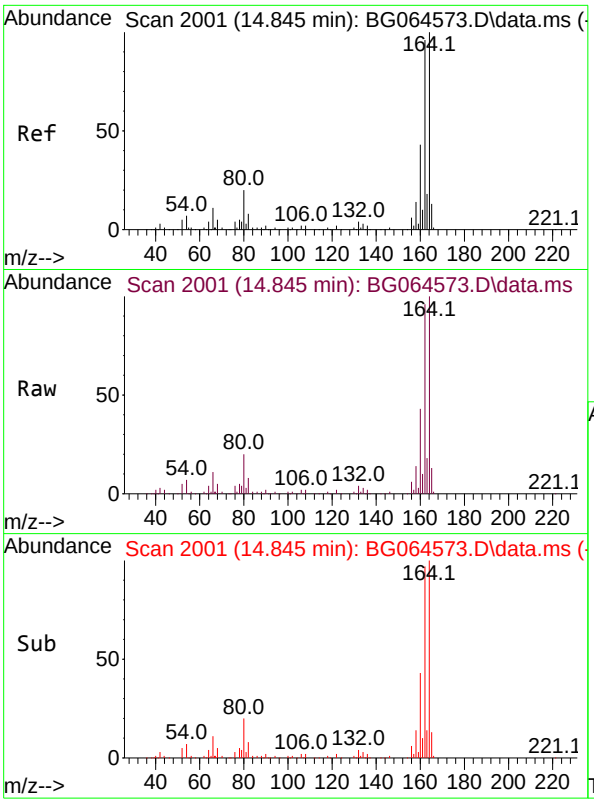


#38
1-Methylnaphthalene
Concen: 42.362 ng
RT: 12.906 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

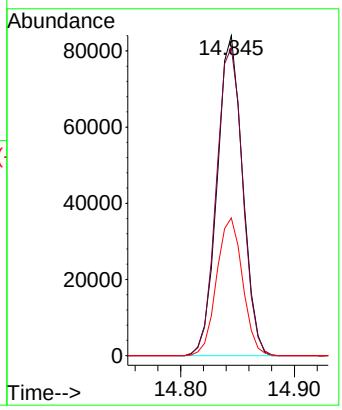




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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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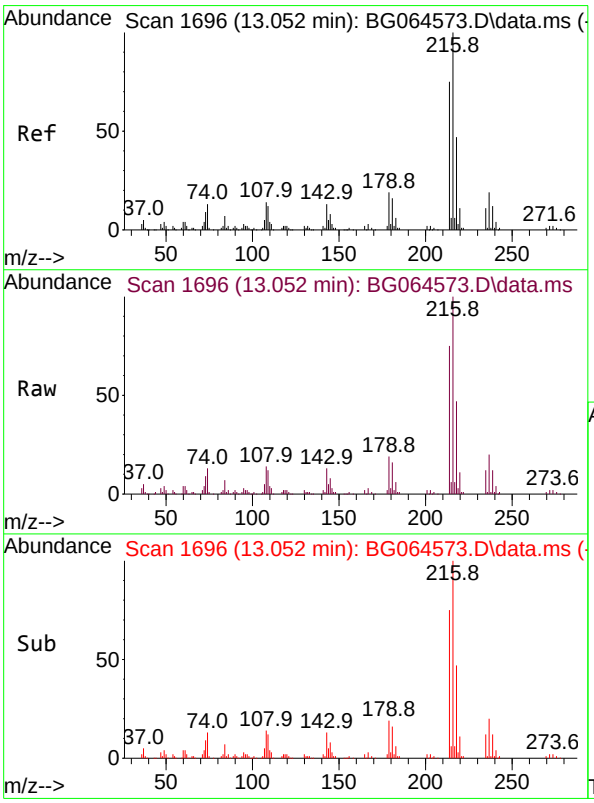
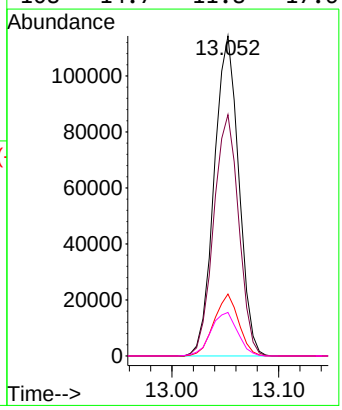
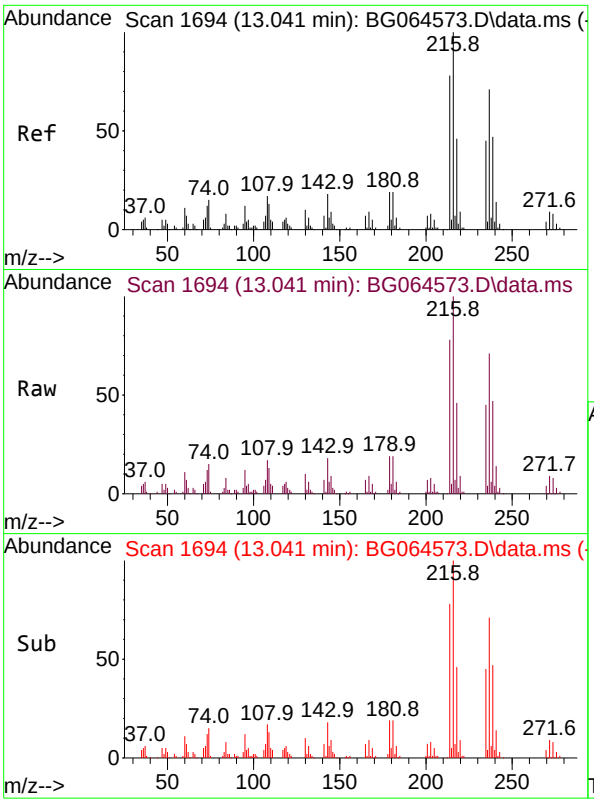


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.856 ng
RT: 13.052 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

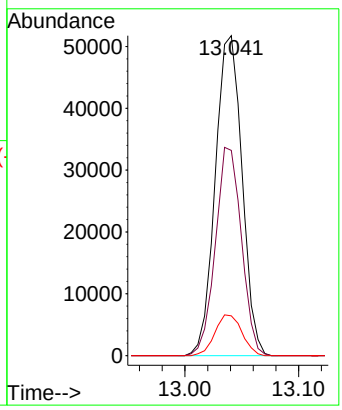




#41
Hexachlorocyclopentadiene
Concen: 42.853 ng
RT: 13.041 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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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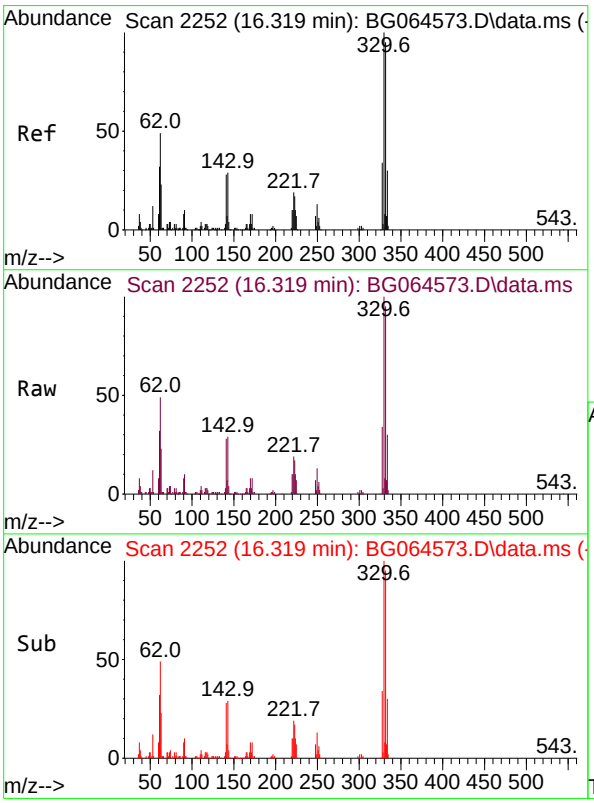
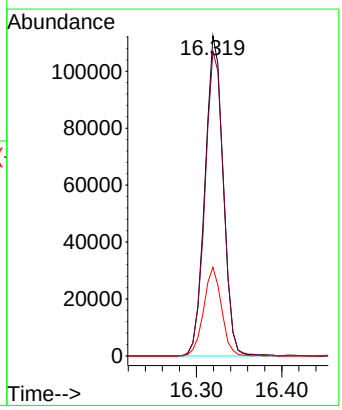
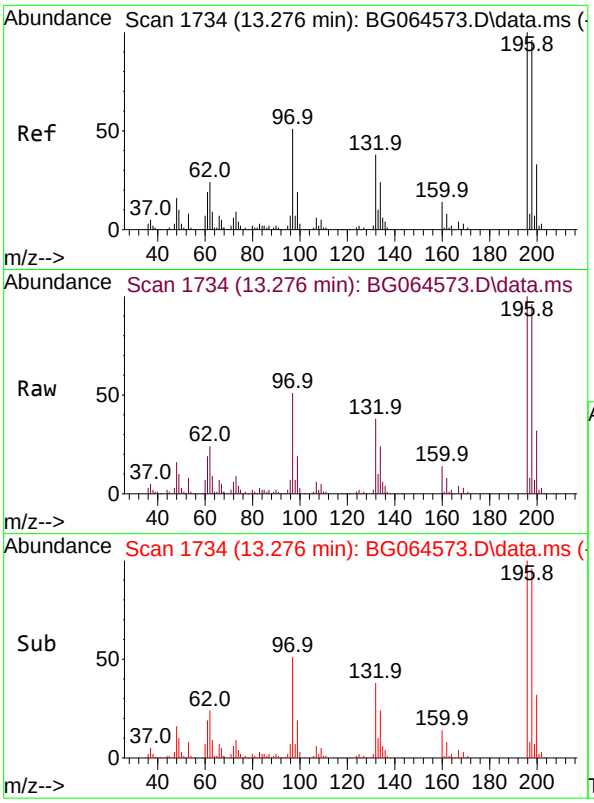


#42
2,4,6-Tribromophenol
Concen: 88.092 ng
RT: 16.319 min Scan# 2252
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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. 0.000 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 :
SSTDICCC040

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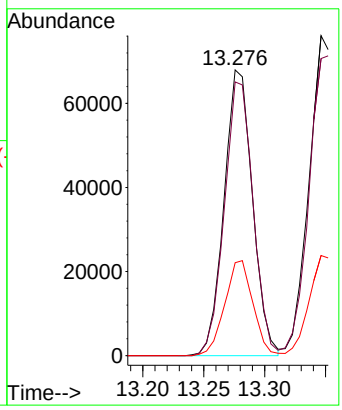
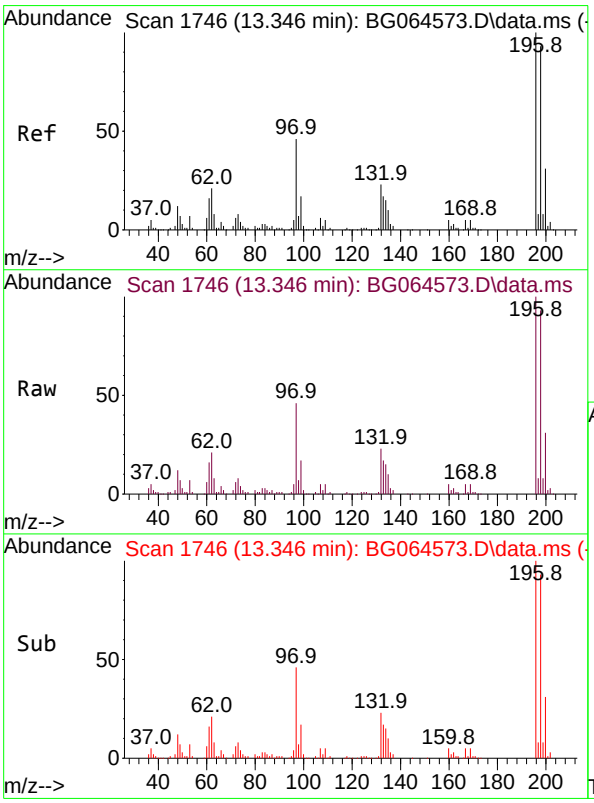
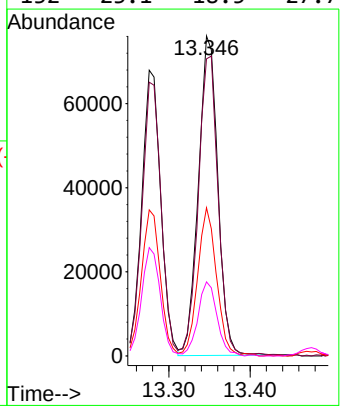


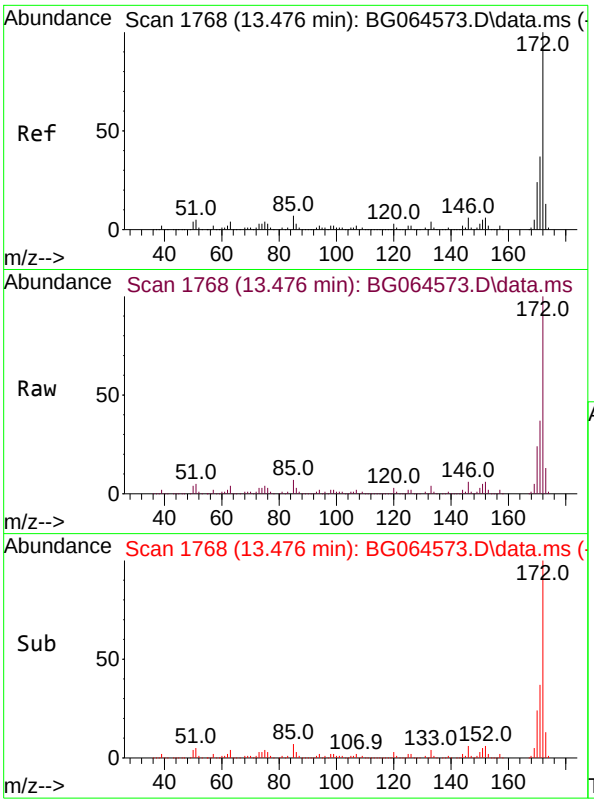


#44
2,4,5-Trichlorophenol
Concen: 43.694 ng
RT: 13.346 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

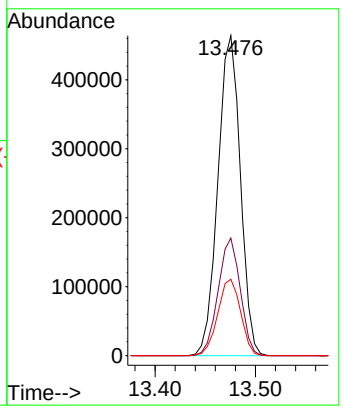




#45
2-Fluorobiphenyl
Concen: 83.888 ng
RT: 13.476 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
BNA_G
ClientSampleId :
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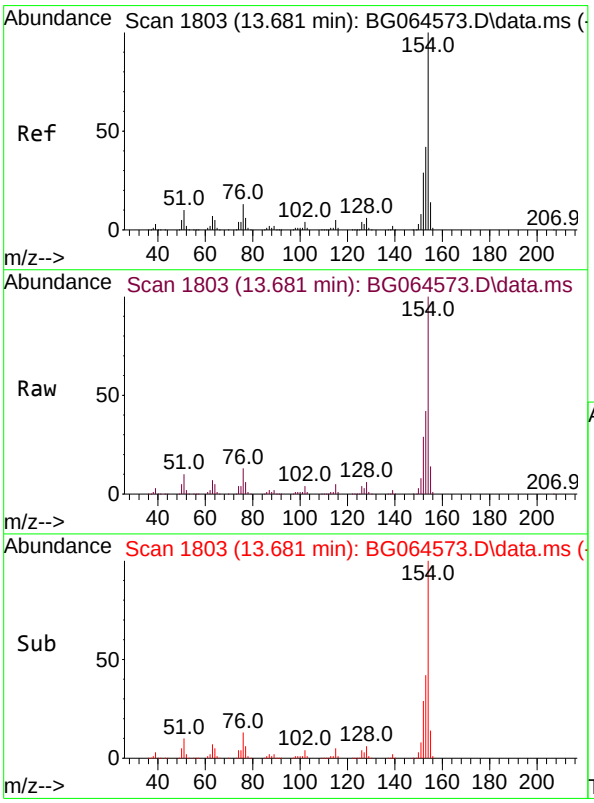
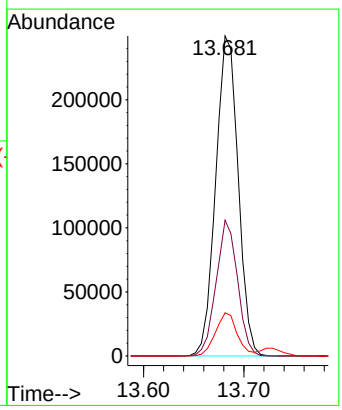
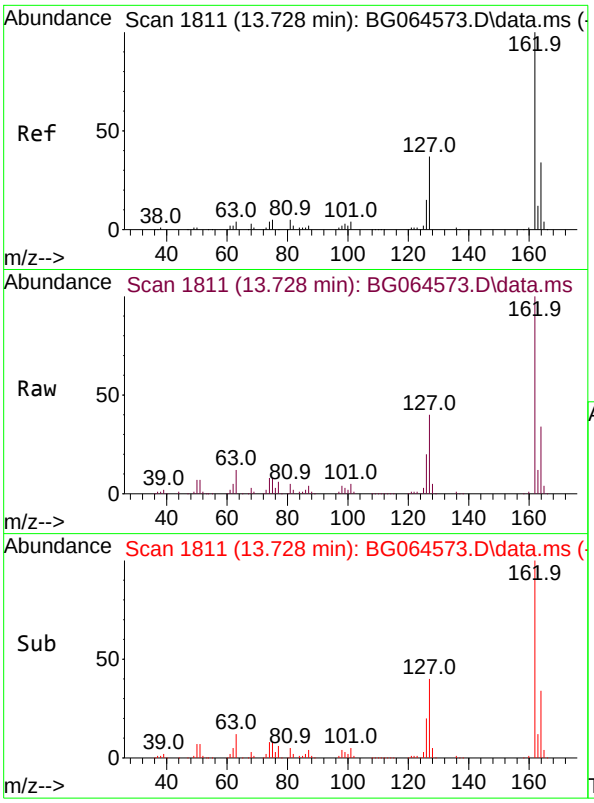


#46
1,1'-Biphenyl
Concen: 41.885 ng
RT: 13.681 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

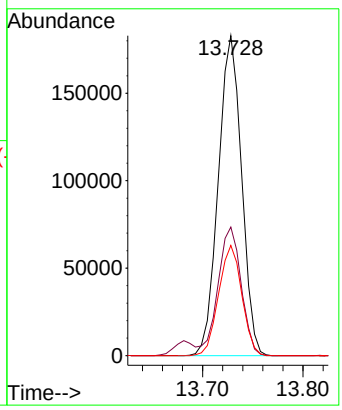




#47
2-Chloronaphthalene
Concen: 42.182 ng
RT: 13.728 min Scan# 18
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
BNA_G
ClientSampleId :
SSTDICCC040

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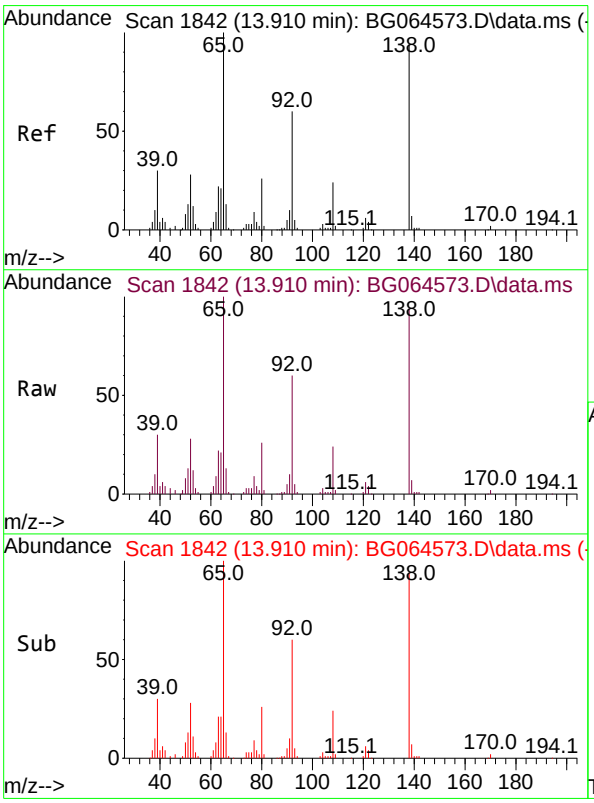
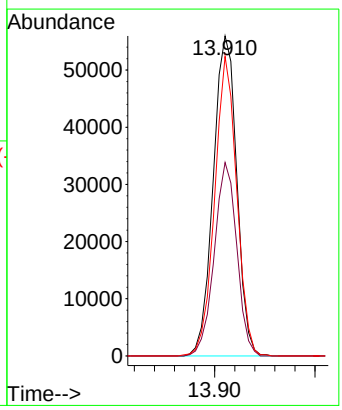
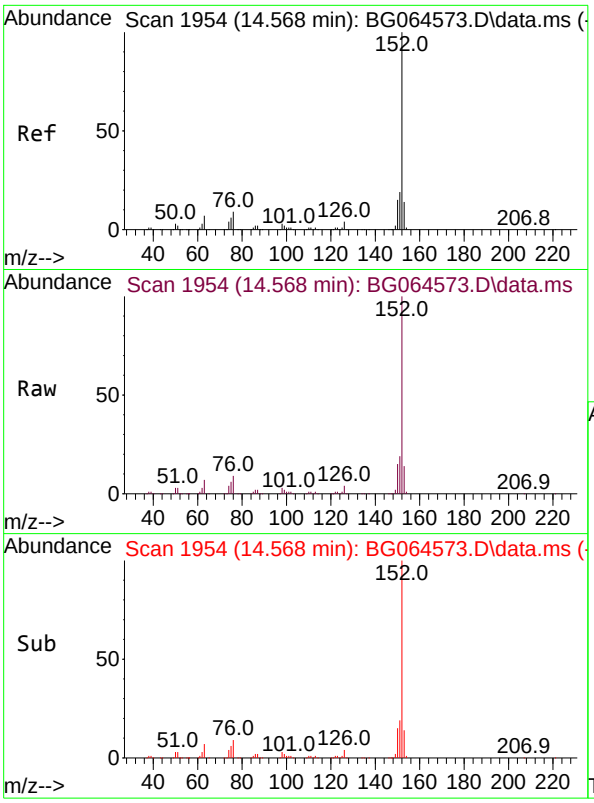


#48
2-Nitroaniline
Concen: 39.303 ng
RT: 13.910 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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. 0.000 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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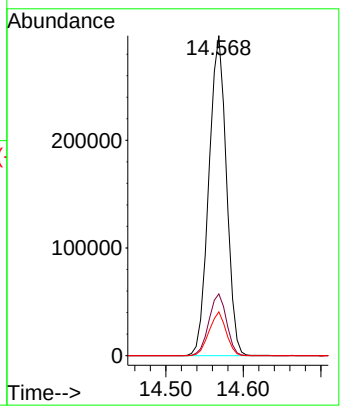
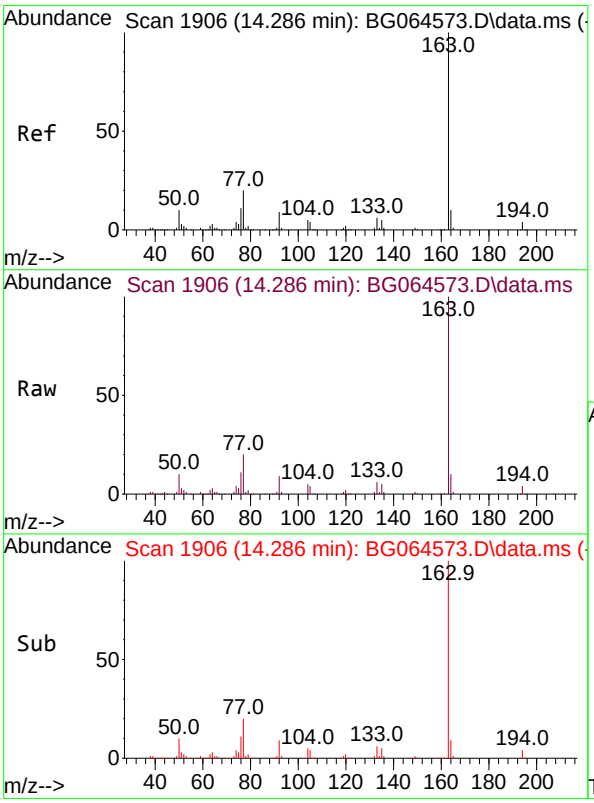
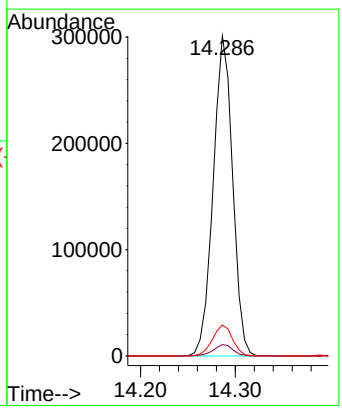


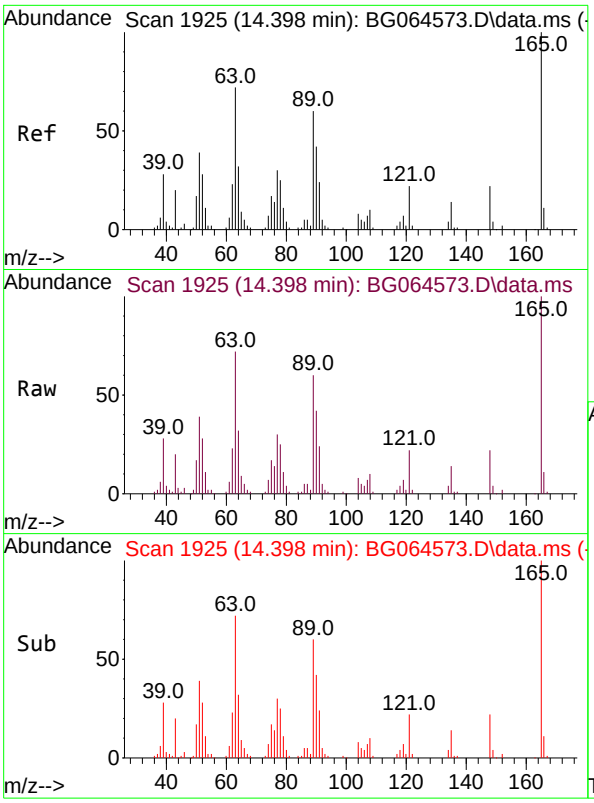


#50
Dimethylphthalate
Concen: 42.894 ng
RT: 14.286 min Scan# 1906
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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. -0.000 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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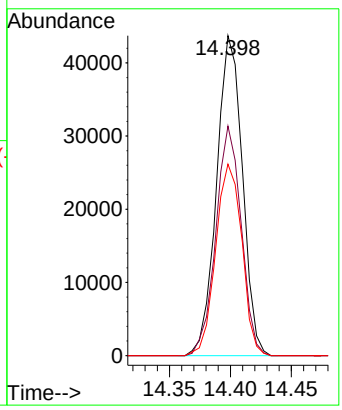
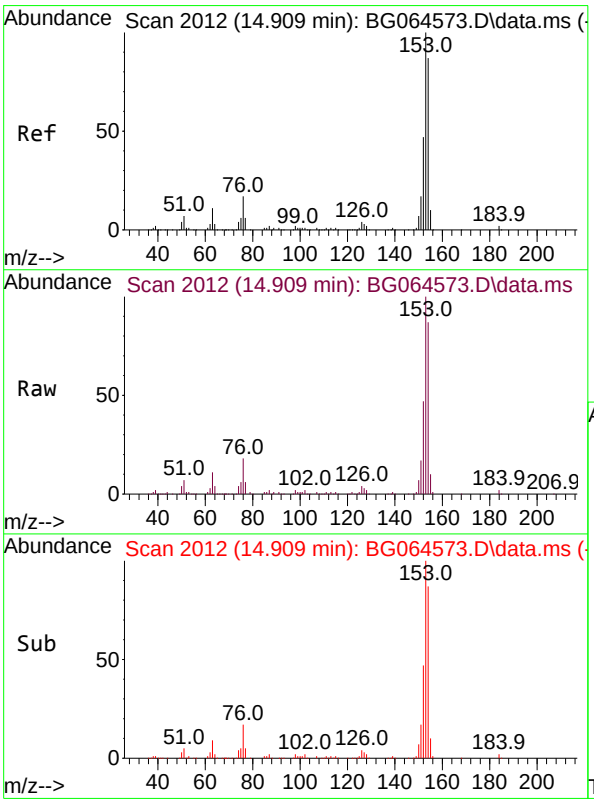
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

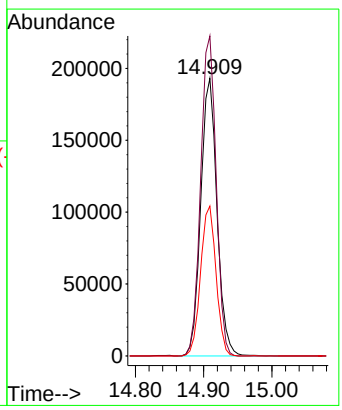


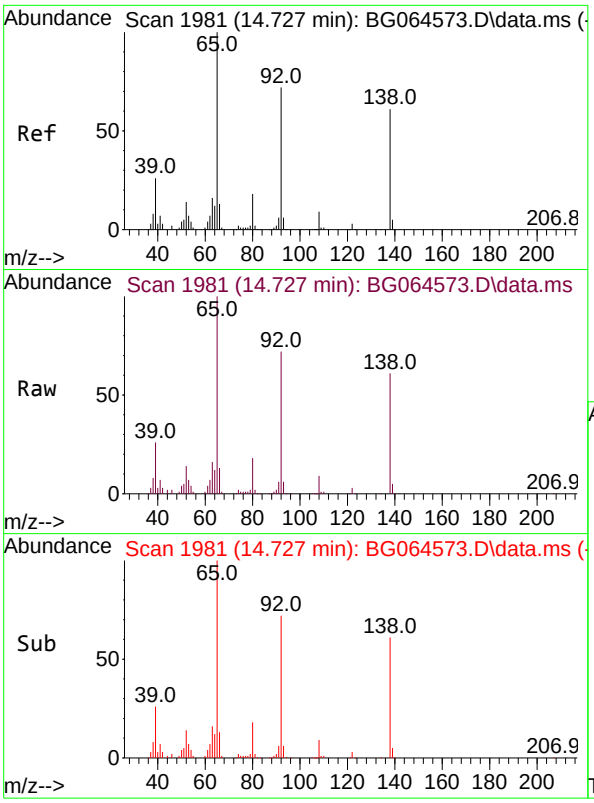


#52
Acenaphthene
Concen: 42.289 ng
RT: 14.909 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

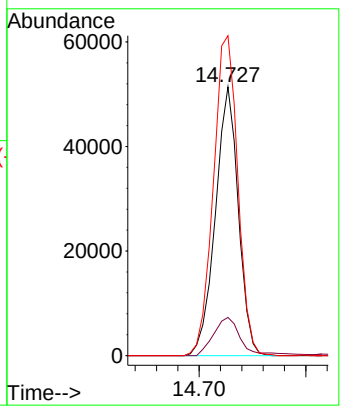




#53
3-Nitroaniline
Concen: 44.762 ng
RT: 14.727 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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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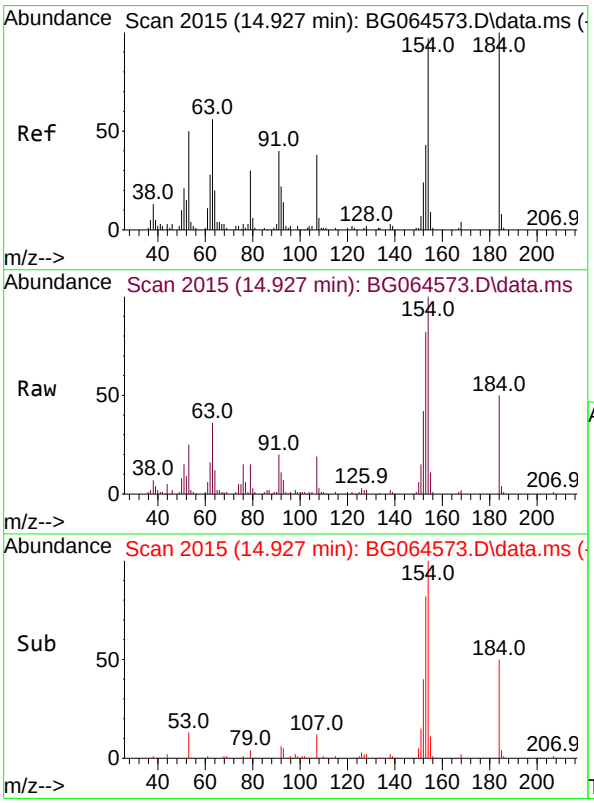
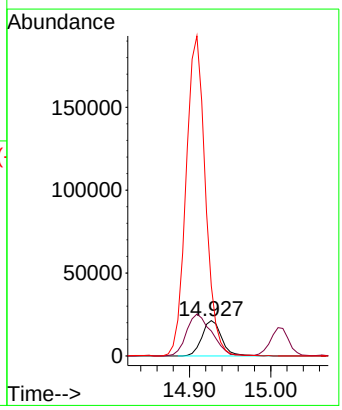
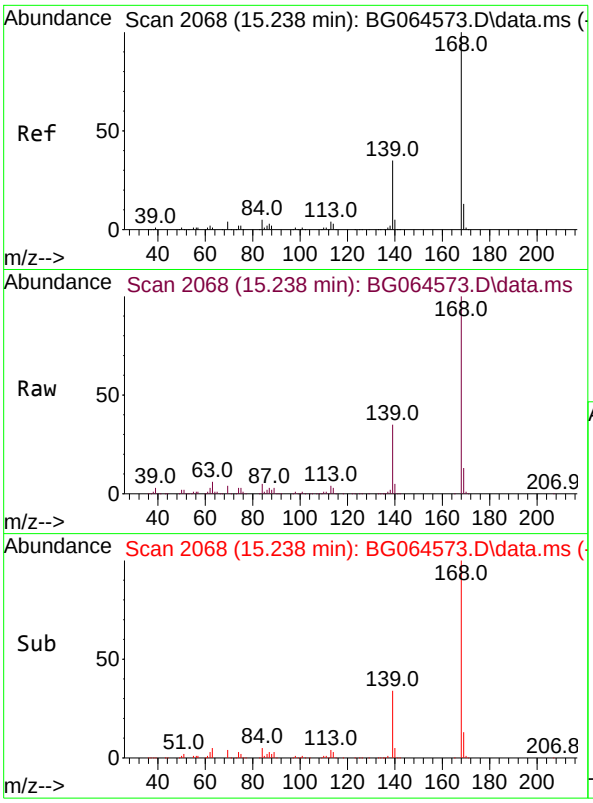


#54
2,4-Dinitrophenol
Concen: 38.390 ng
RT: 14.927 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

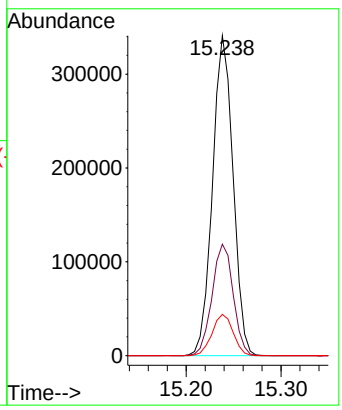




#55
Dibenzofuran
Concen: 41.995 ng
RT: 15.238 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
BNA_G
ClientSampleId :
SSTDICCC040

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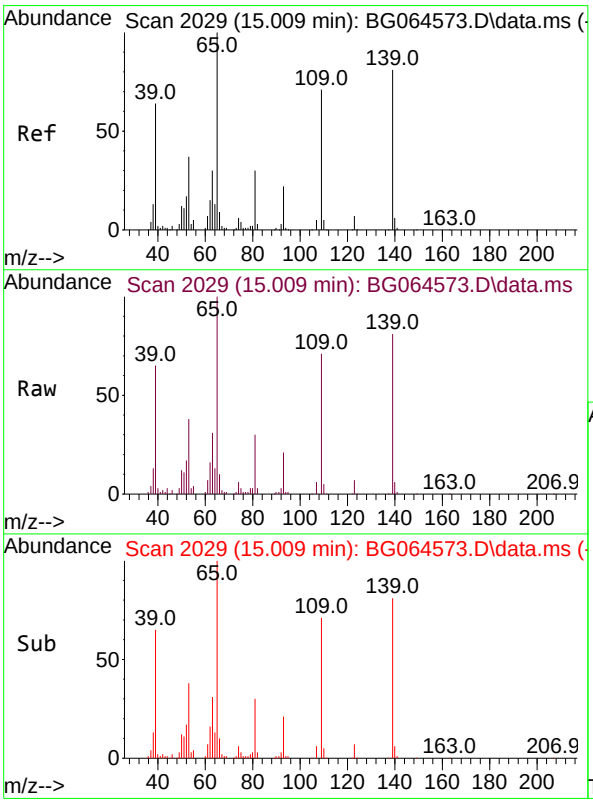
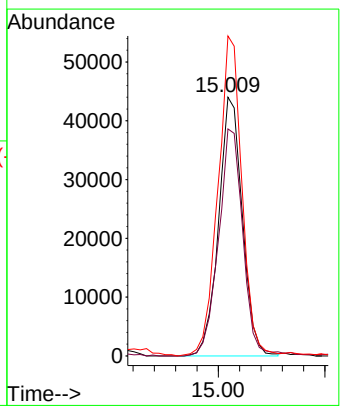
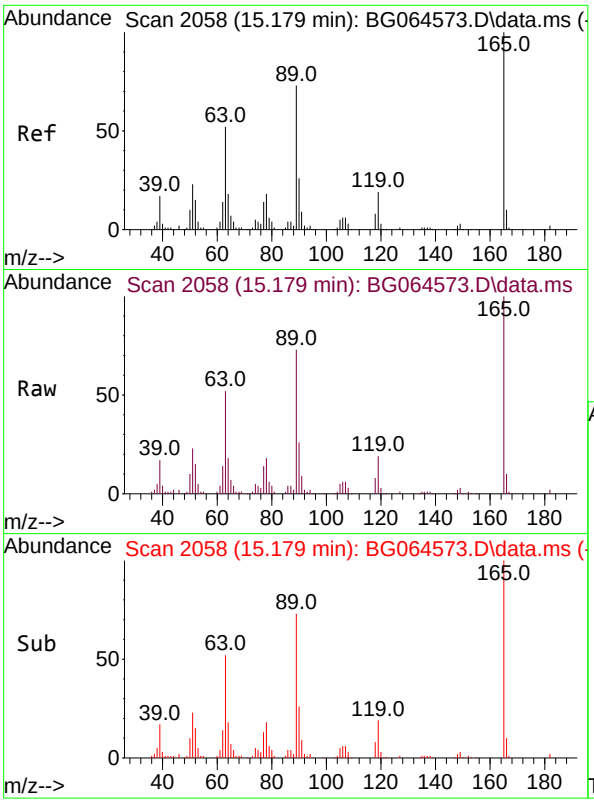


#56
4-Nitrophenol
Concen: 42.765 ng
RT: 15.009 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

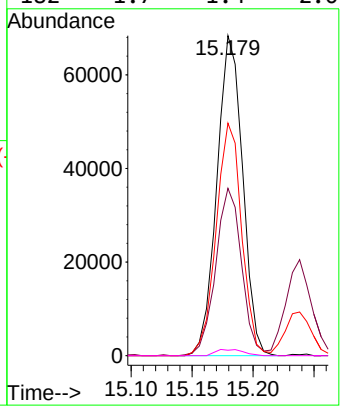




#57
2,4-Dinitrotoluene
Concen: 39.962 ng
RT: 15.179 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
SSTDICCC040

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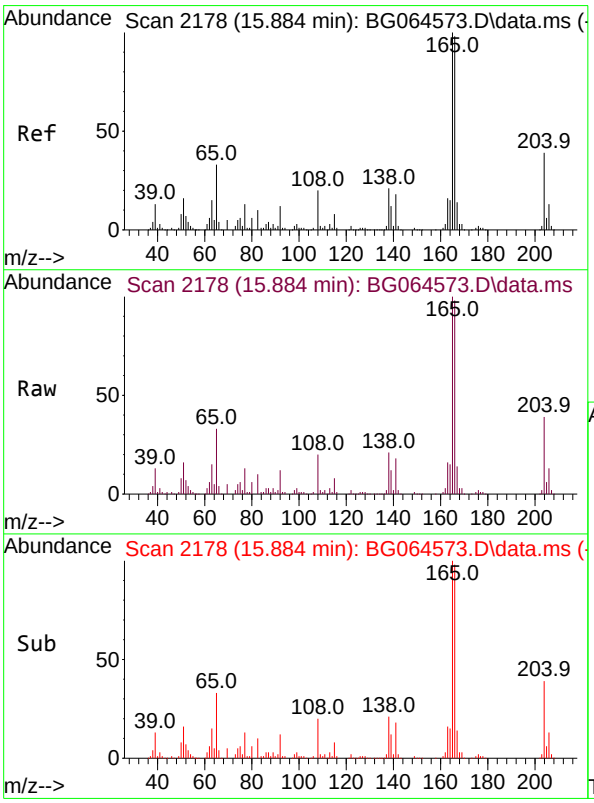
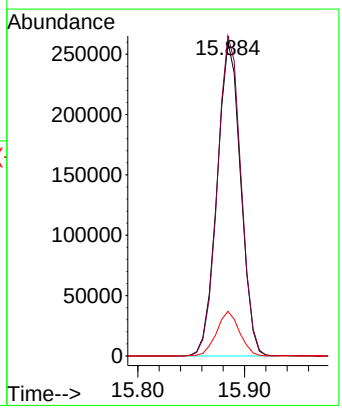
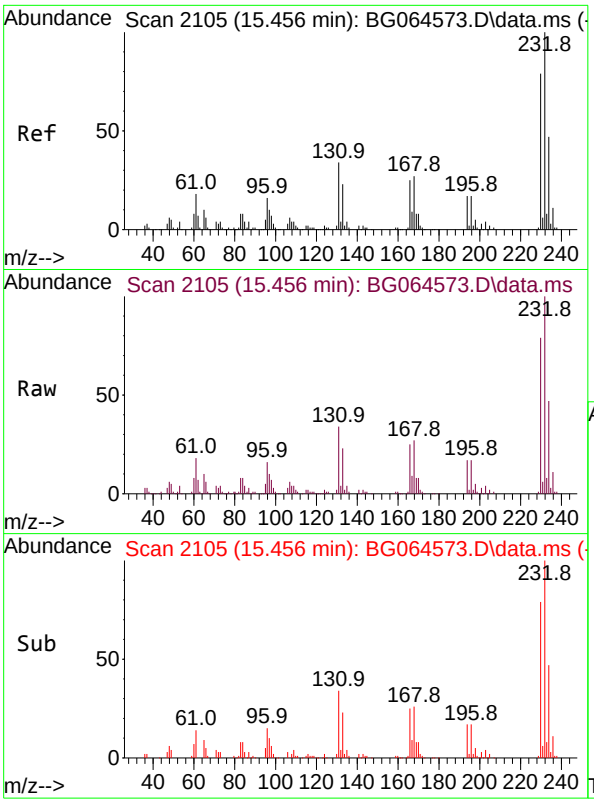


#58
Fluorene
Concen: 41.939 ng
RT: 15.884 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

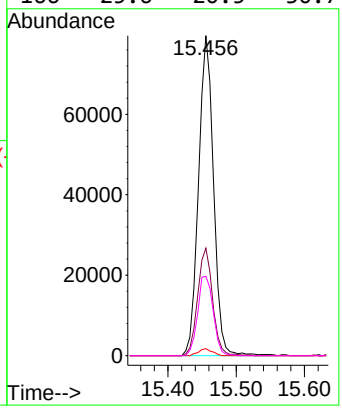




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.030 ng
RT: 15.456 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
SSTDICCC040

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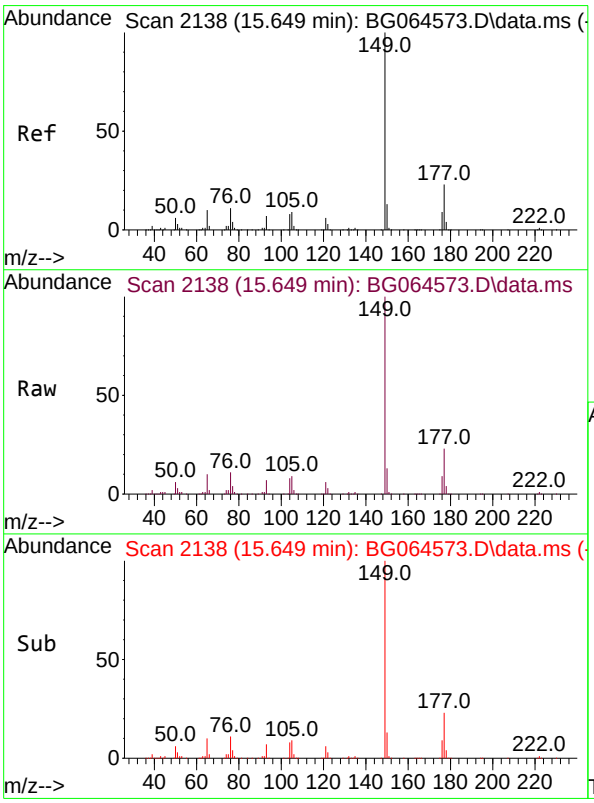
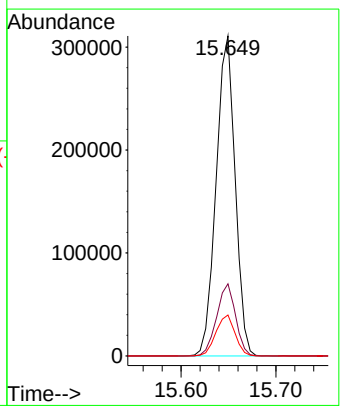
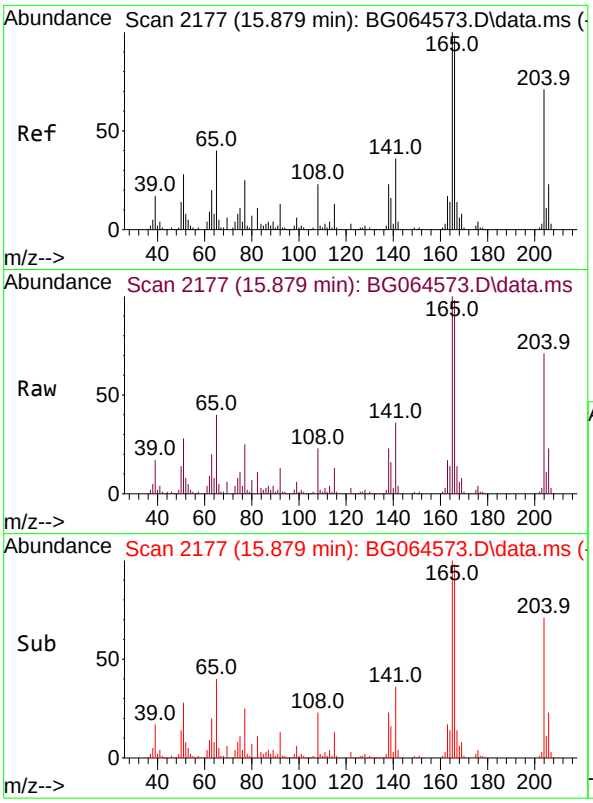


#60
Diethylphthalate
Concen: 42.412 ng
RT: 15.649 min Scan# 2138
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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

Manual Integrations
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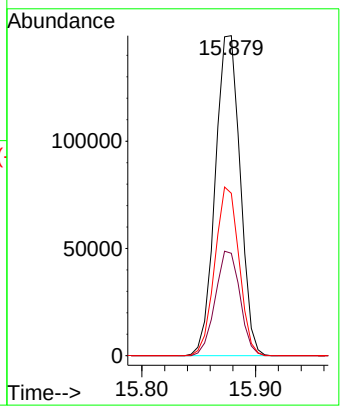
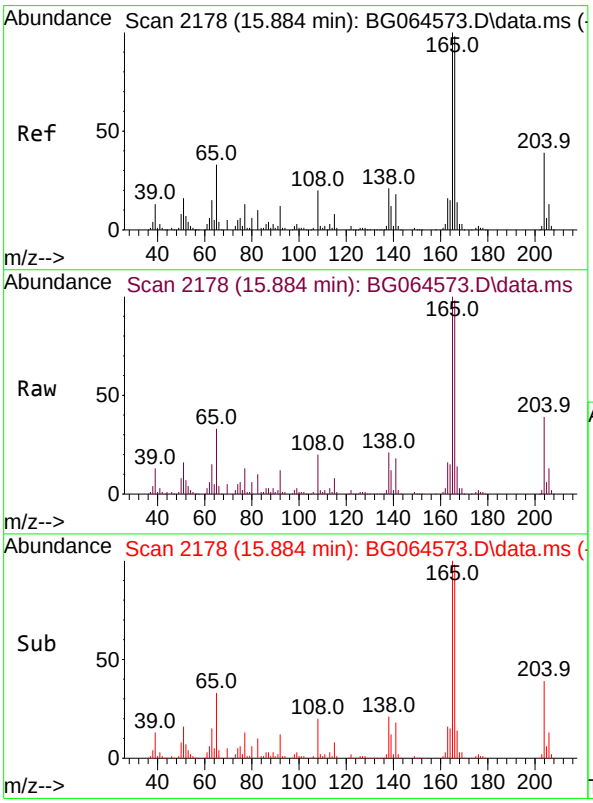
Supervised By :mohammad ahmed 11/05/2025

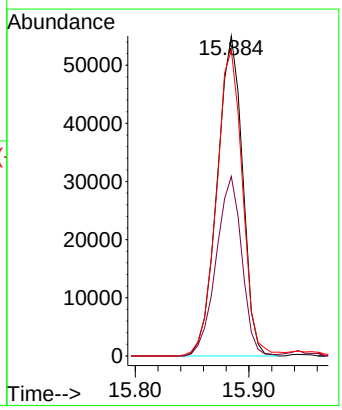


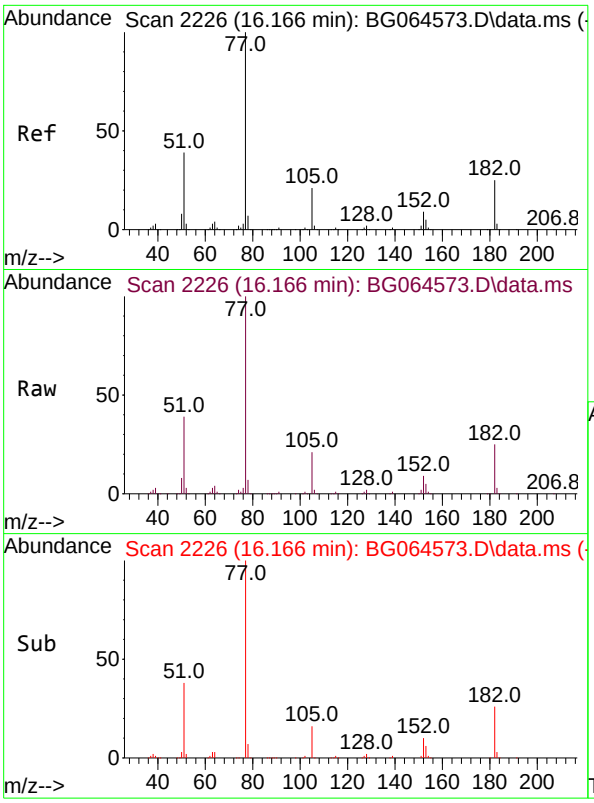


#62
4-Nitroaniline
Concen: 44.662 ng
RT: 15.884 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

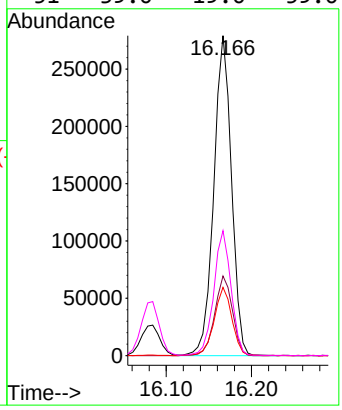




#63
Azobenzene
Concen: 42.922 ng
RT: 16.166 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
BNA_G
ClientSampleId :
SSTDICCC040

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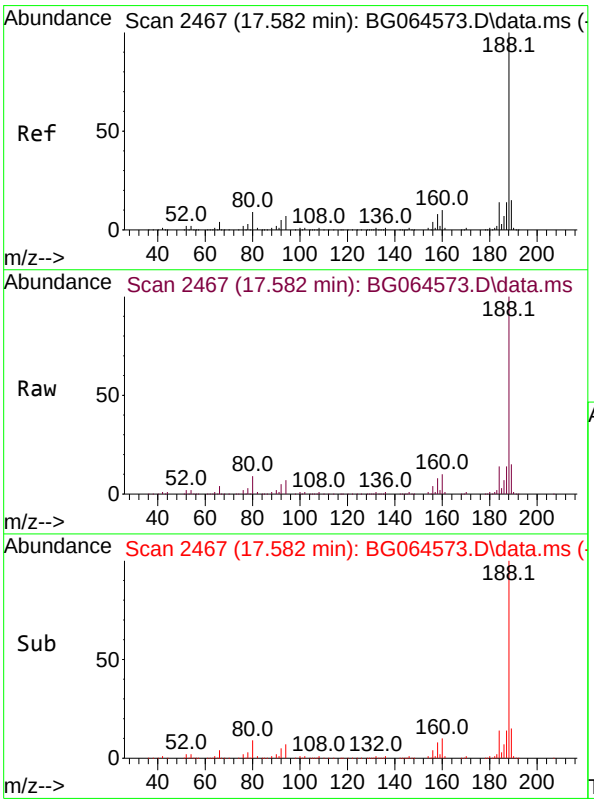
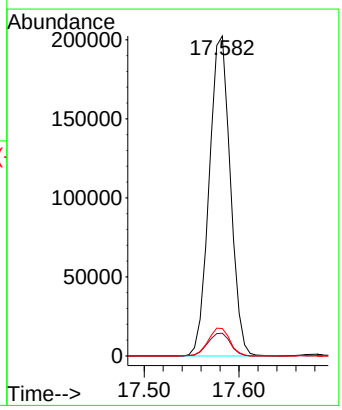
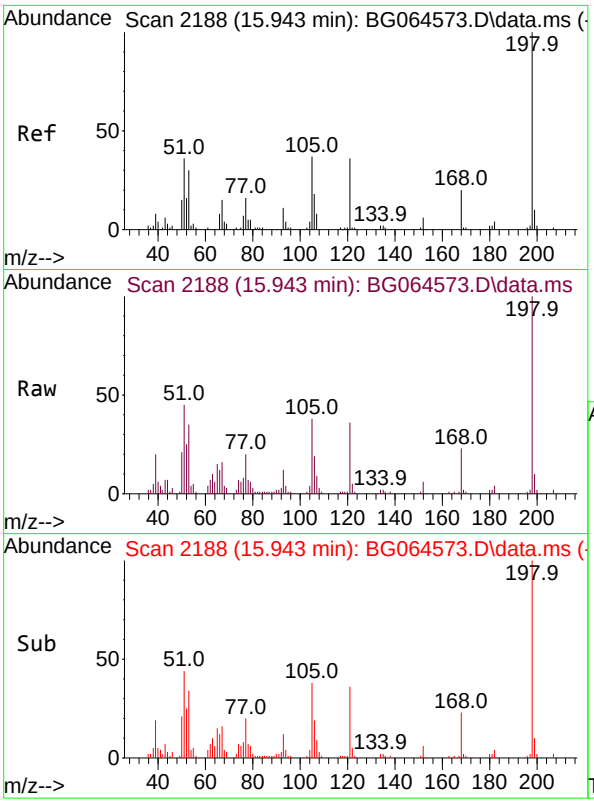


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.582 min Scan# 2467
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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. 0.000 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 :
SSTDICCC040

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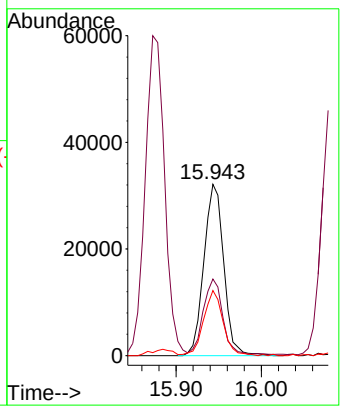
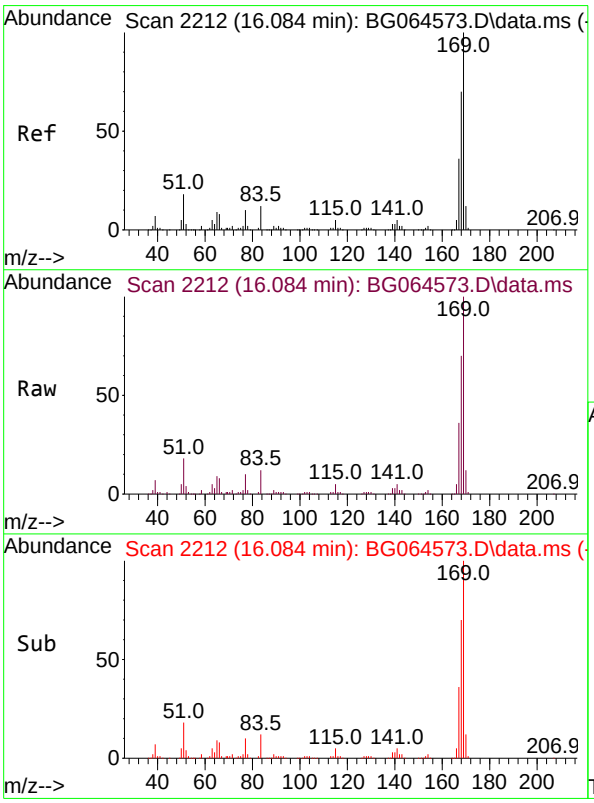
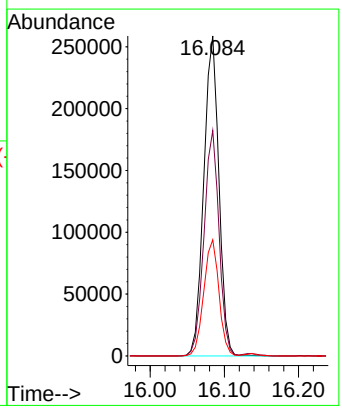


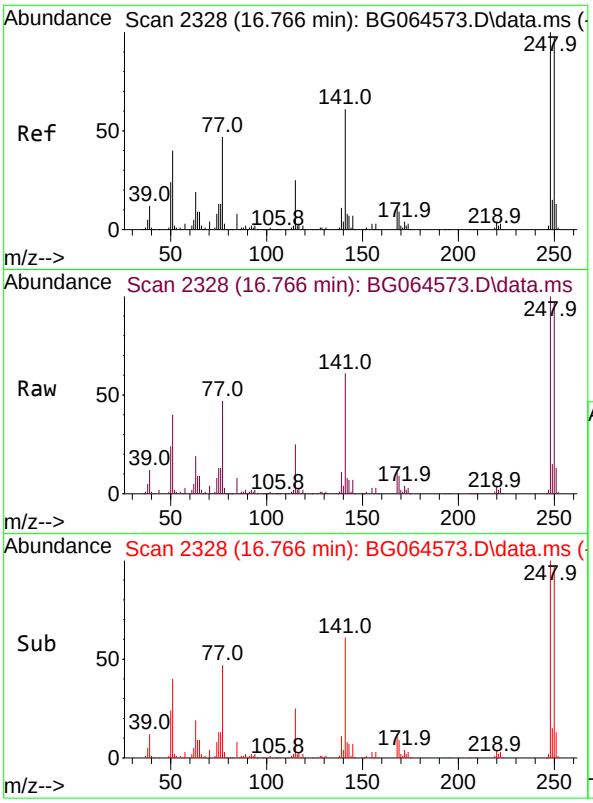


#66
n-Nitrosodiphenylamine
Concen: 43.201 ng
RT: 16.084 min Scan# 2212
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

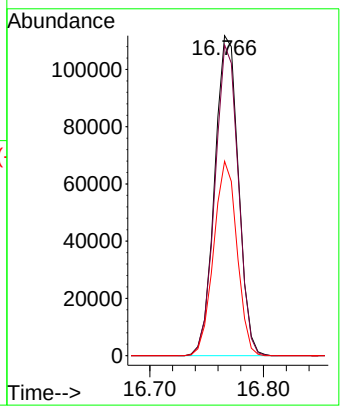




#67
4-Bromophenyl-phenylether
Concen: 43.563 ng
RT: 16.766 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
BNA_G
ClientSampleId :
SSTDICCC040

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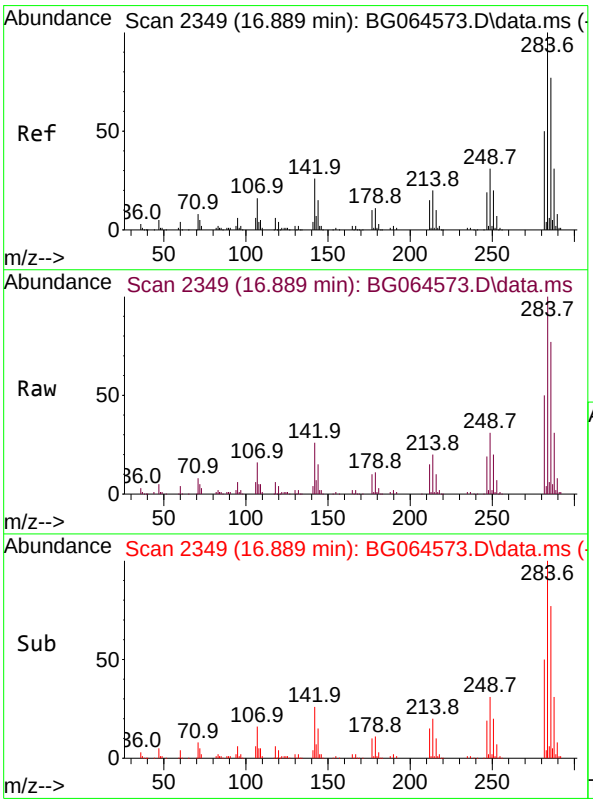
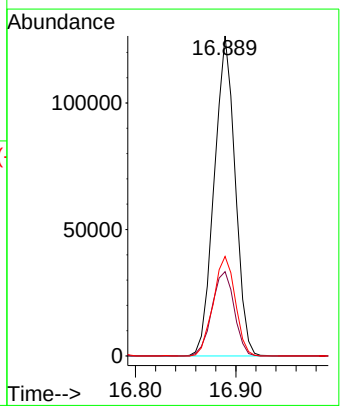
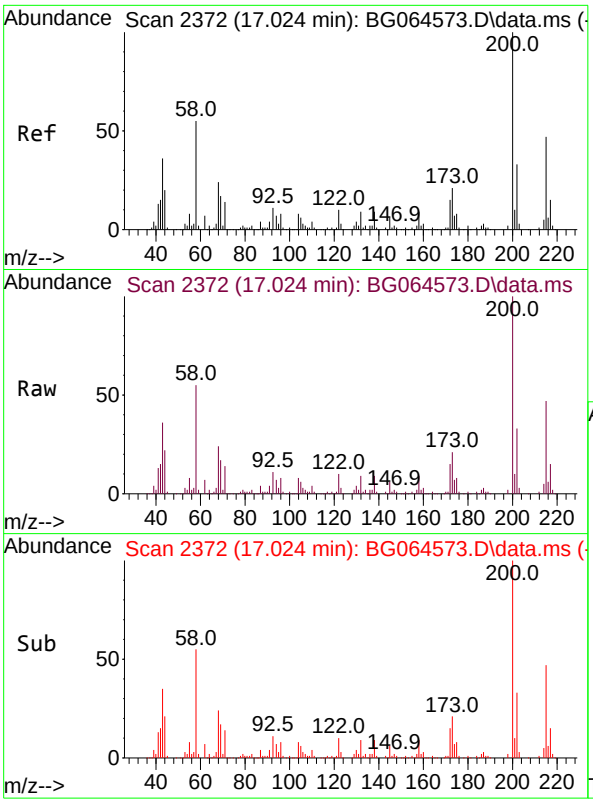


#68
Hexachlorobenzene
Concen: 43.265 ng
RT: 16.889 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

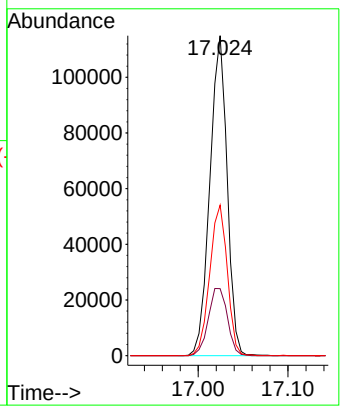




#69
Atrazine
Concen: 42.203 ng
RT: 17.024 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:200 Resp: 153706

Ion	Ratio	Lower	Upper
200	100		
173	20.9	0.9	40.9
215	47.0	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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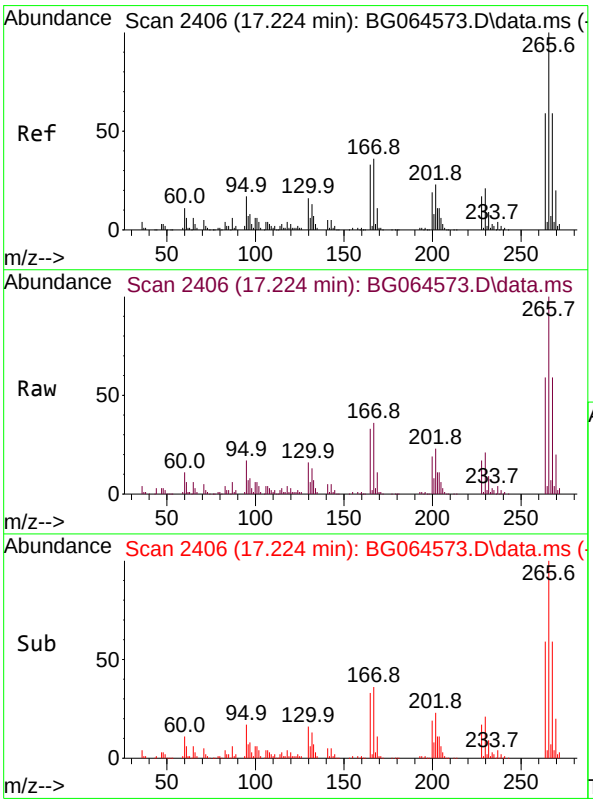
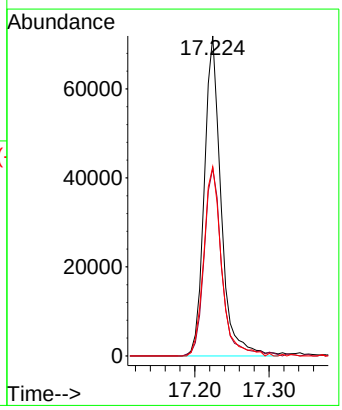
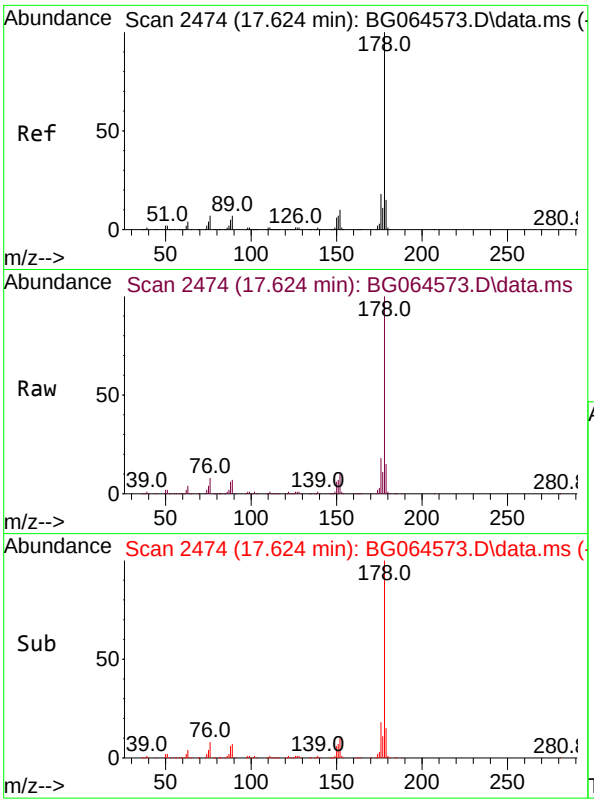


#70
Pentachlorophenol
Concen: 42.694 ng
RT: 17.224 min Scan# 2406
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

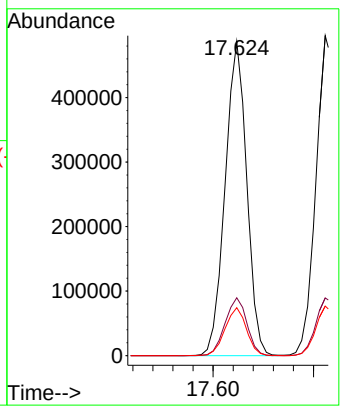




#71
Phenanthrene
Concen: 42.500 ng
RT: 17.624 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
BNA_G
ClientSampleId :
SSTDICCC040

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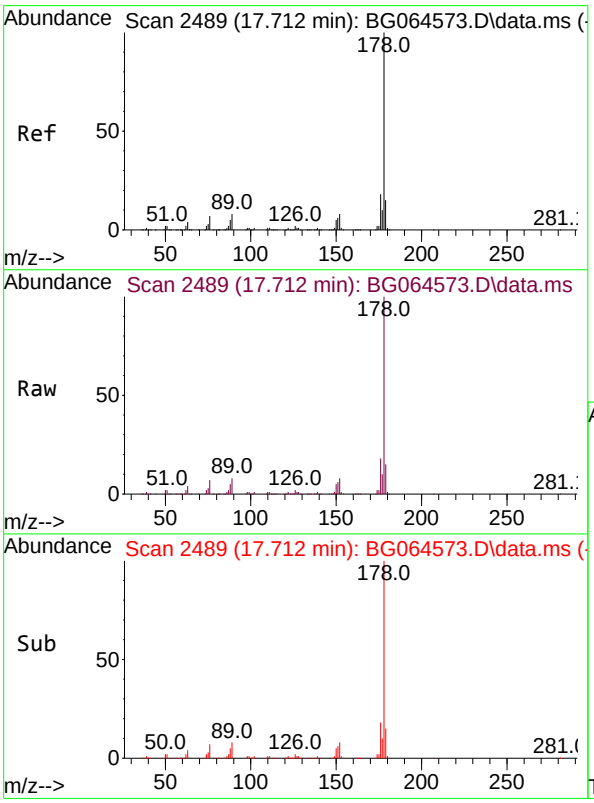
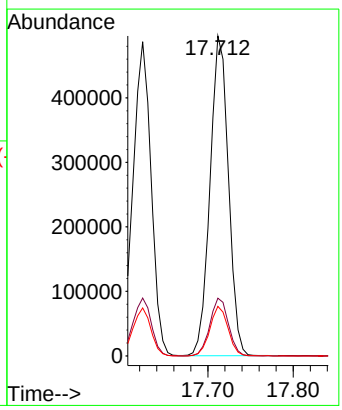
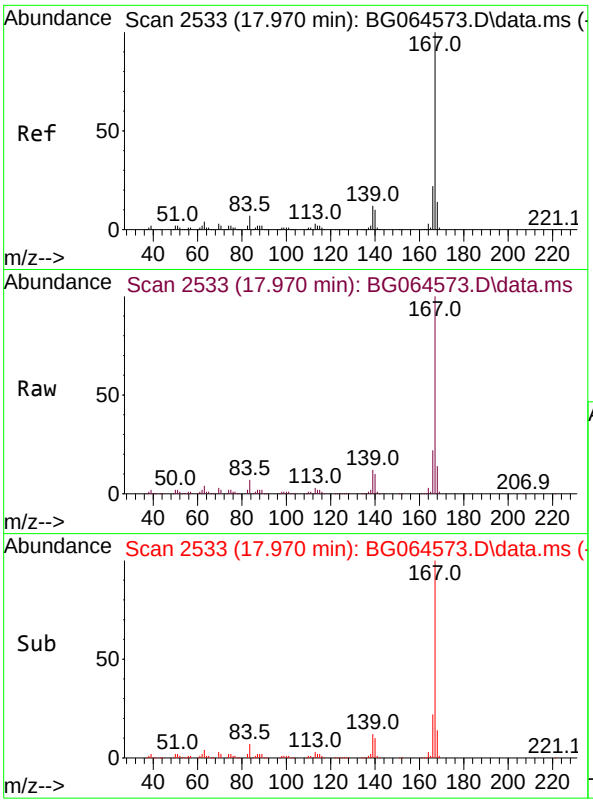


#72
Anthracene
Concen: 42.663 ng
RT: 17.712 min Scan# 2489
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

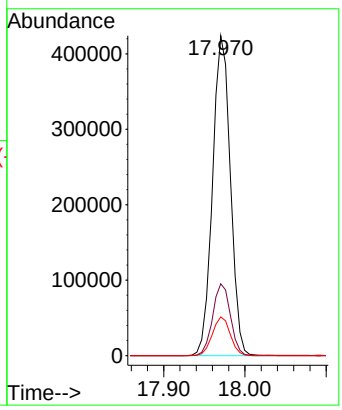




#73
Carbazole
Concen: 42.053 ng
RT: 17.970 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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 :
BNA_G
ClientSampleId :
SSTDICCC040

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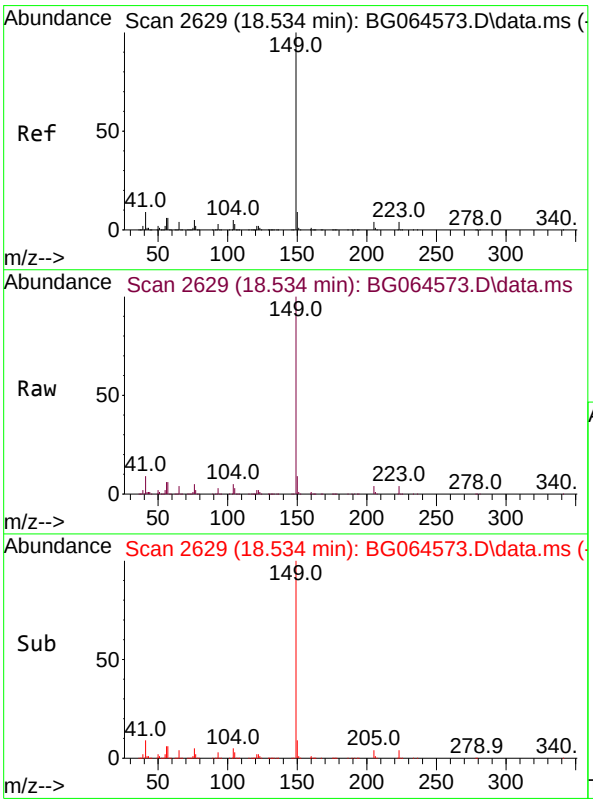
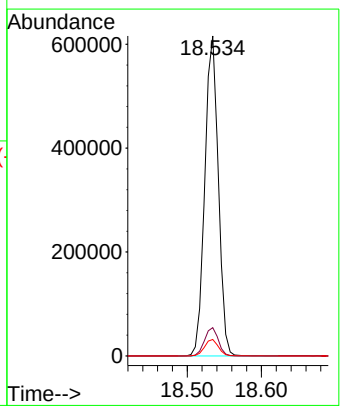
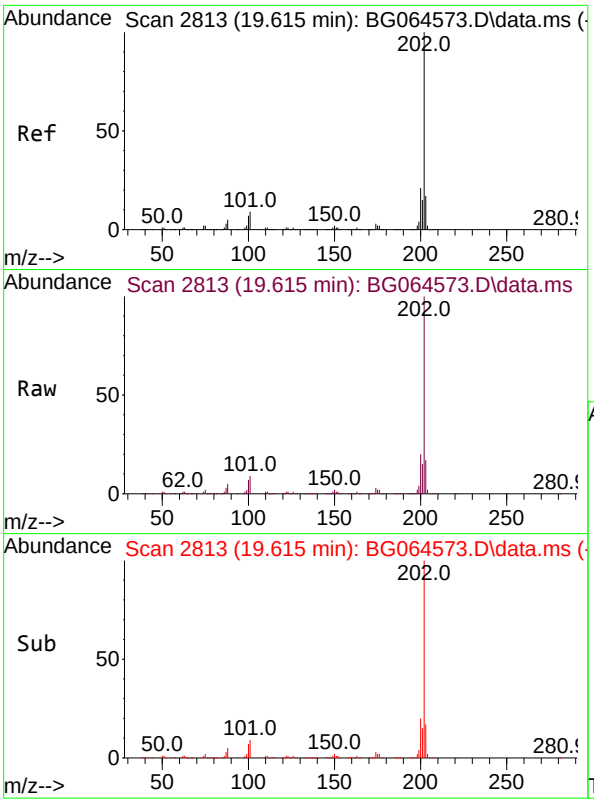


#74
Di-n-butylphthalate
Concen: 43.711 ng
RT: 18.534 min Scan# 2629
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

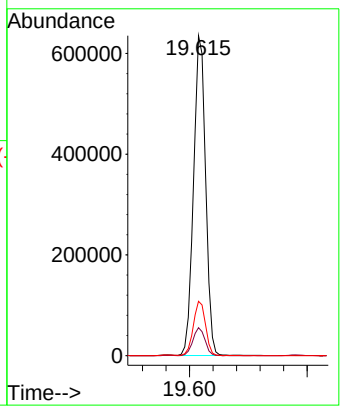




#75
Fluoranthene
Concen: 42.050 ng
RT: 19.615 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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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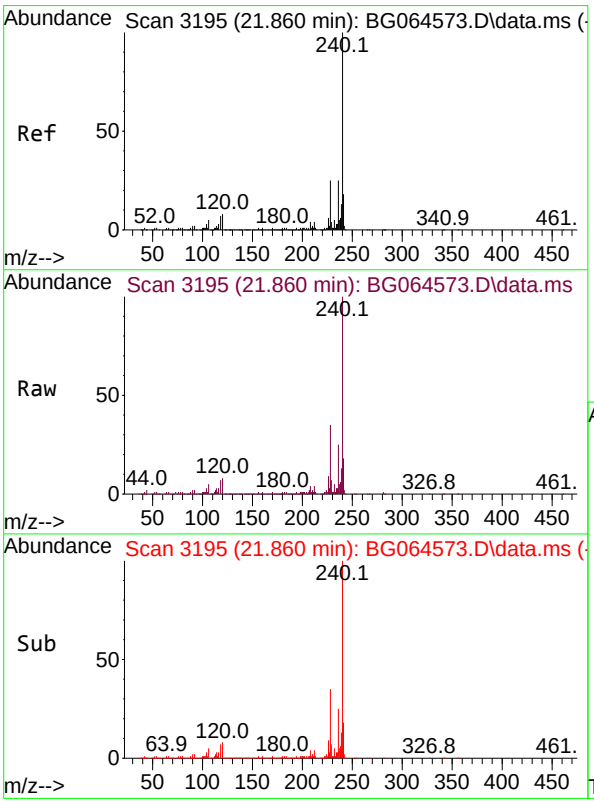
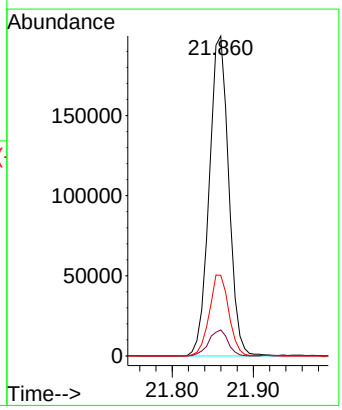
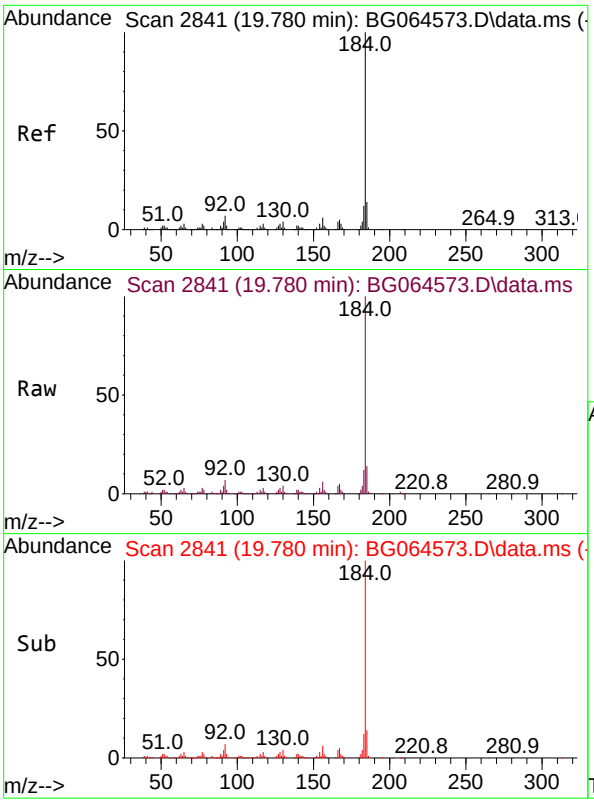


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.860 min Scan# 3195
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 325845

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	11.8	9.4	14.2

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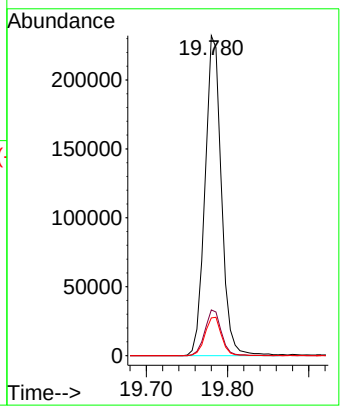
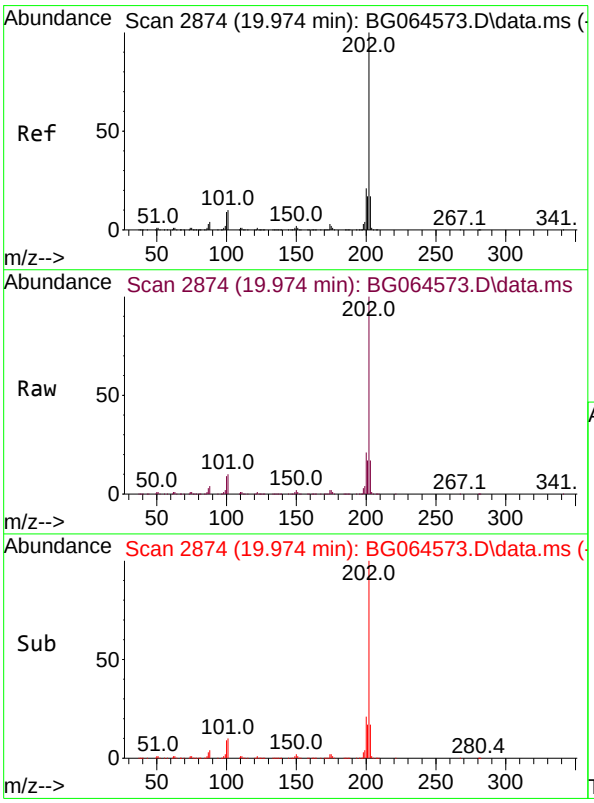
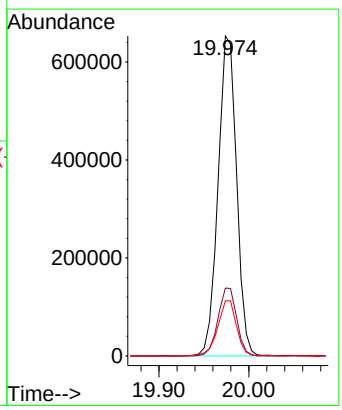


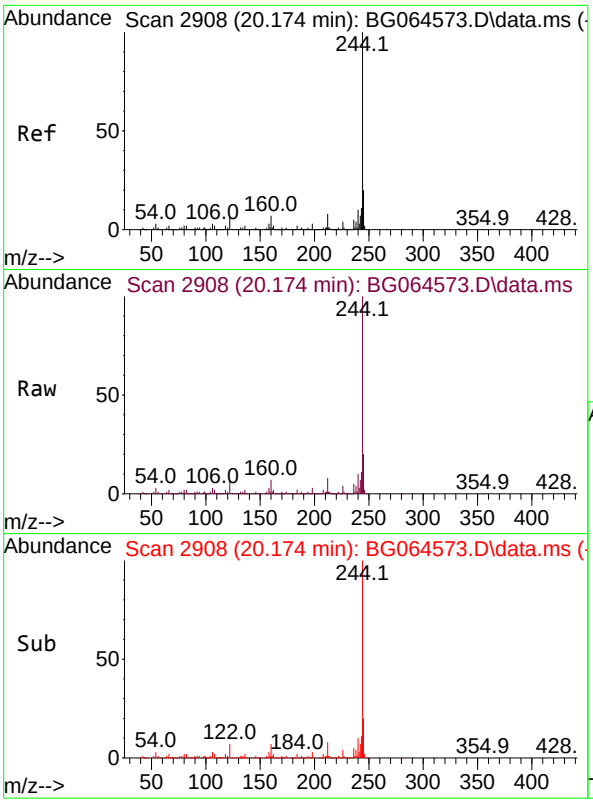


#78
Pyrene
Concen: 43.186 ng
RT: 19.974 min Scan# 2874
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

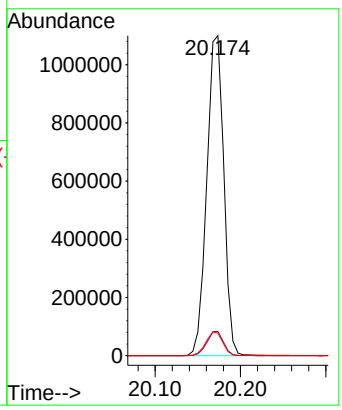




#79
Terphenyl-d14
Concen: 86.242 ng
RT: 20.174 min Scan# 29
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

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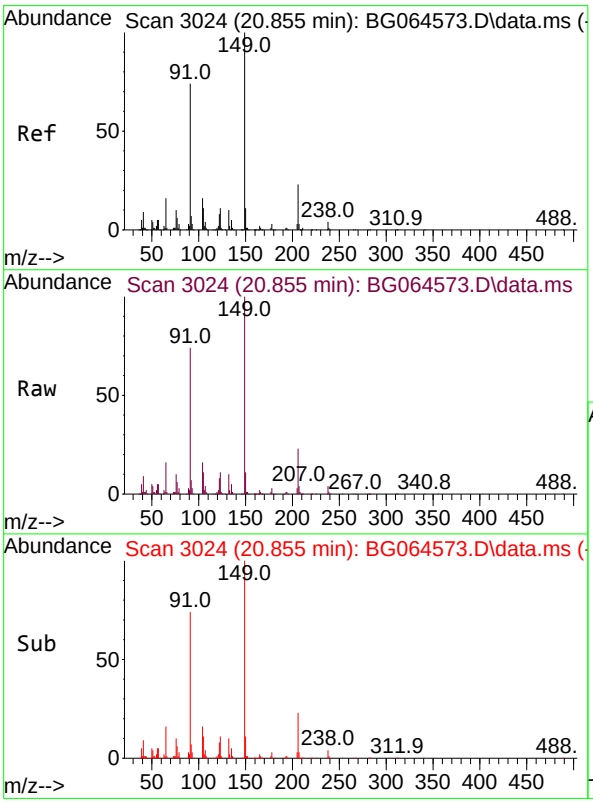
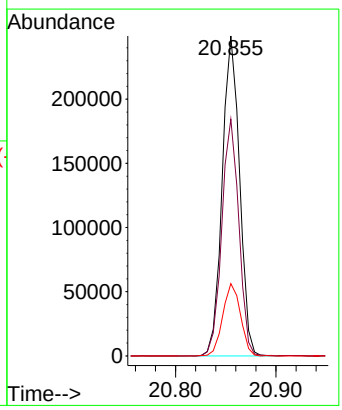
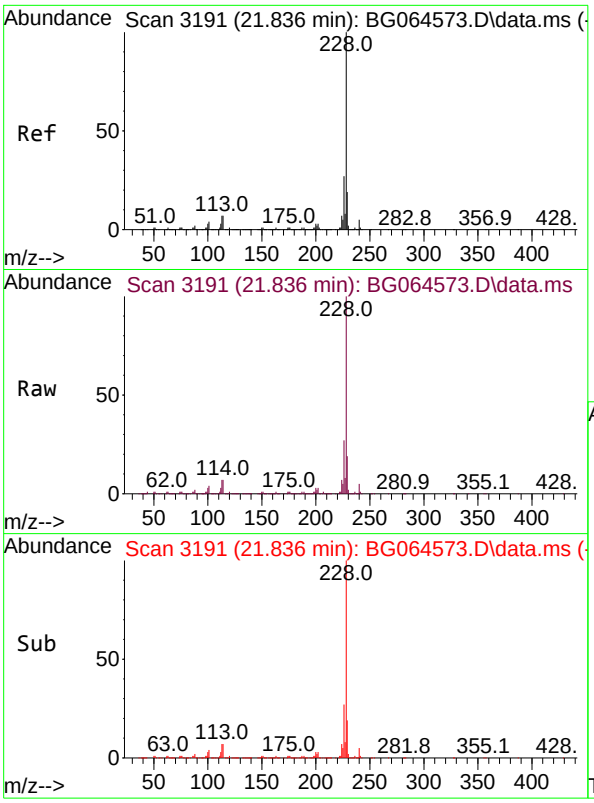


#80
Butylbenzylphthalate
Concen: 45.601 ng
RT: 20.855 min Scan# 3024
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

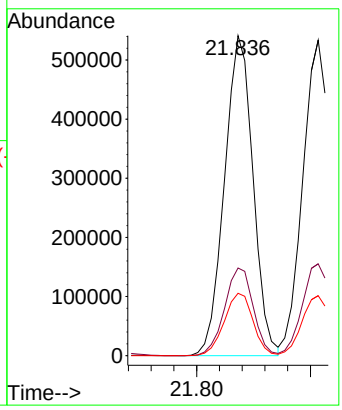




#81
Benzo(a)anthracene
Concen: 42.723 ng
RT: 21.836 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

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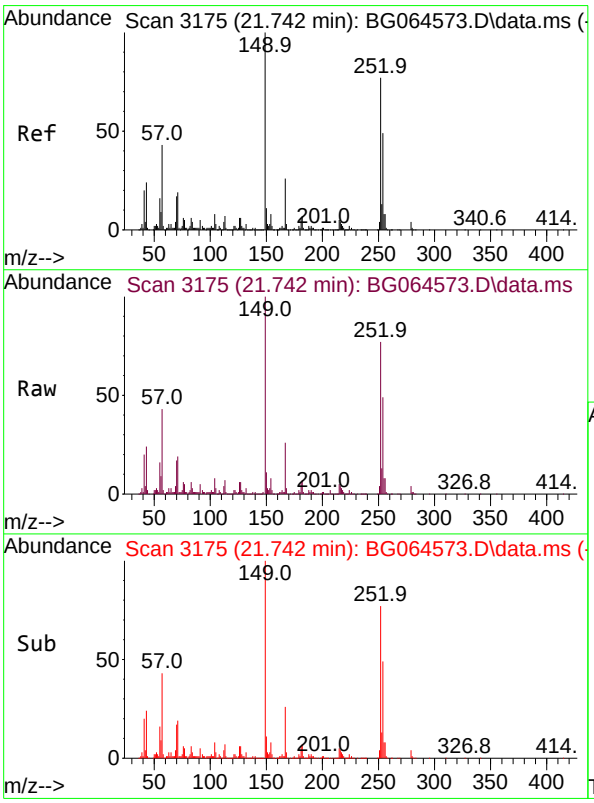
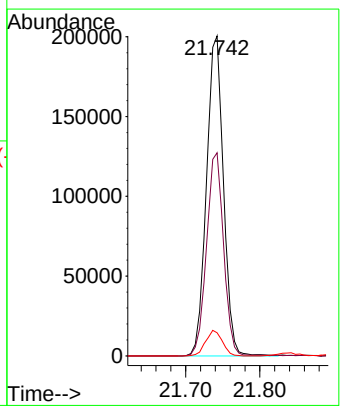
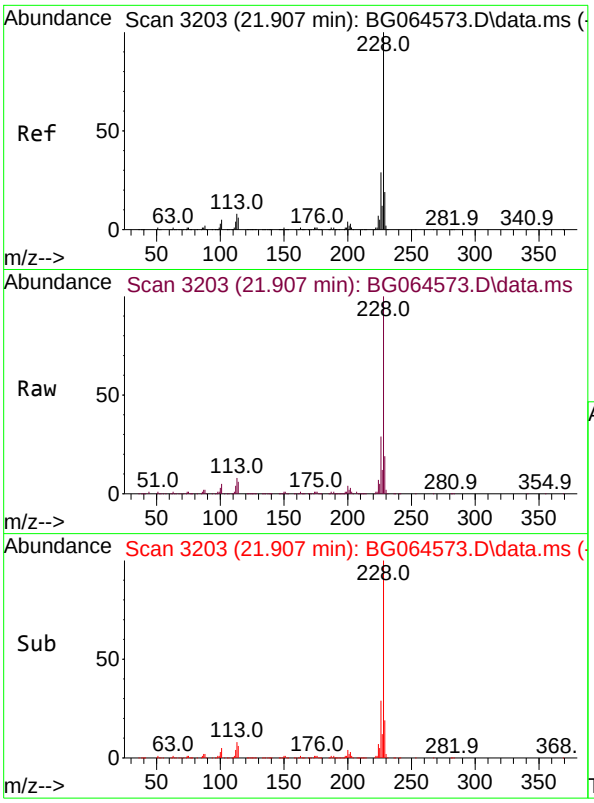


#82
3,3'-Dichlorobenzidine
Concen: 43.131 ng
RT: 21.742 min Scan# 3175
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

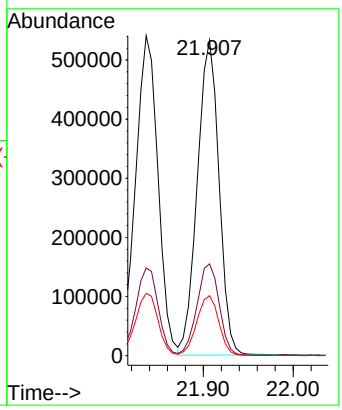




#83
Chrysene
Concen: 42.613 ng
RT: 21.907 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

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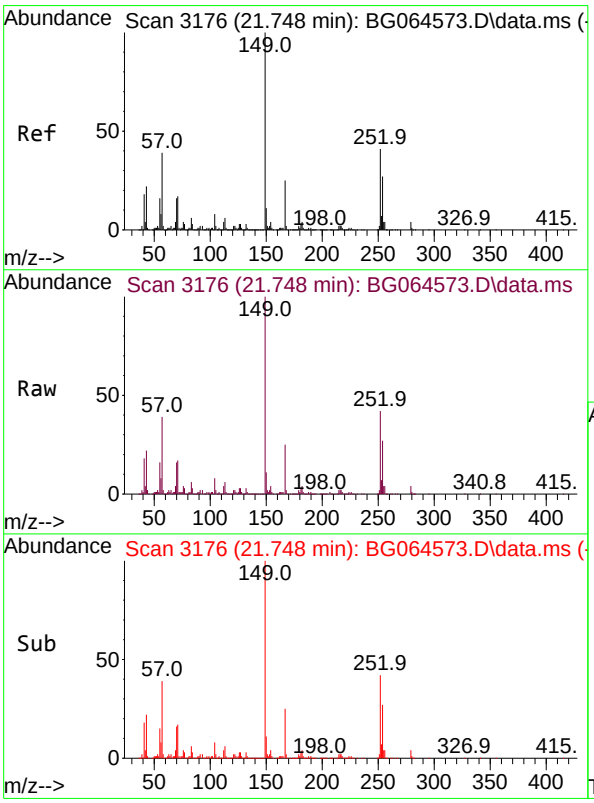
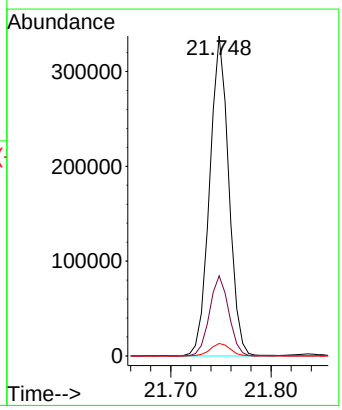
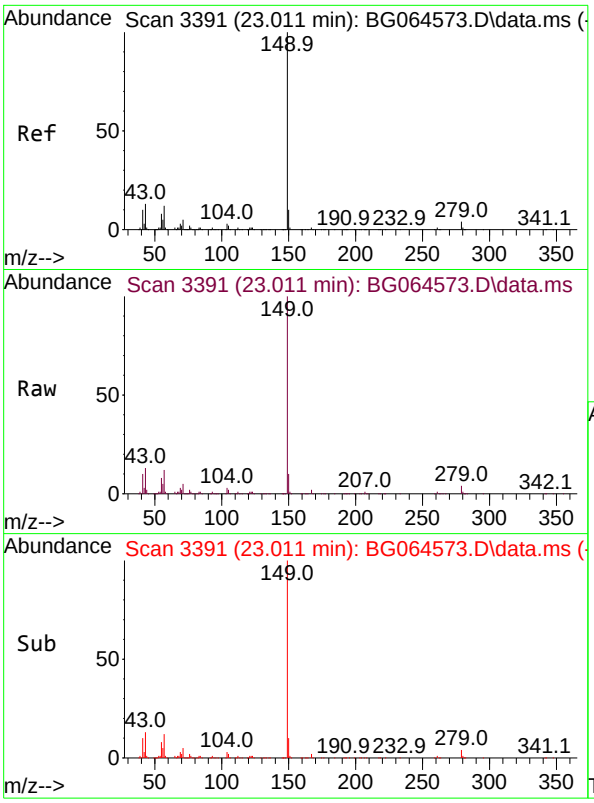


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.494 ng
RT: 21.748 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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. 0.000 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

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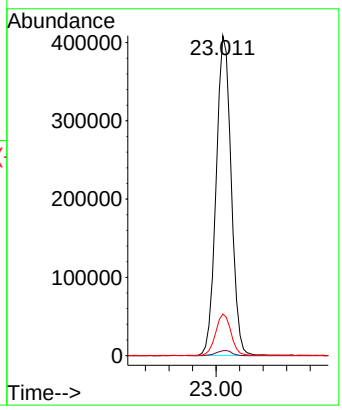
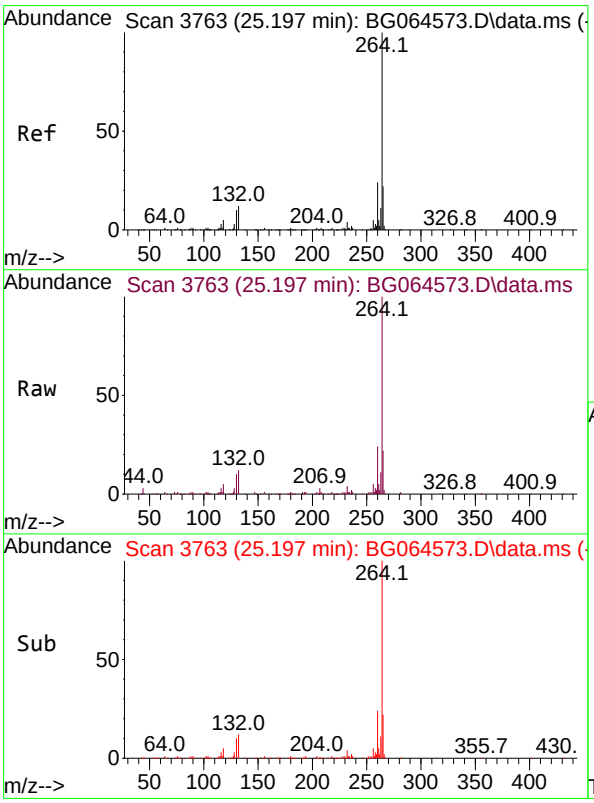
Supervised By :mohammad ahmed 11/05/2025

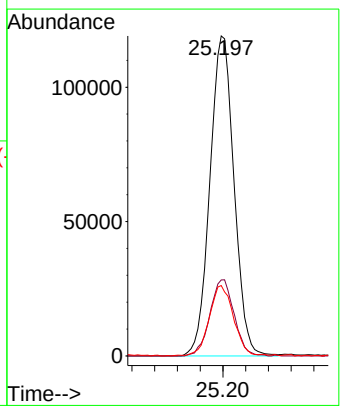


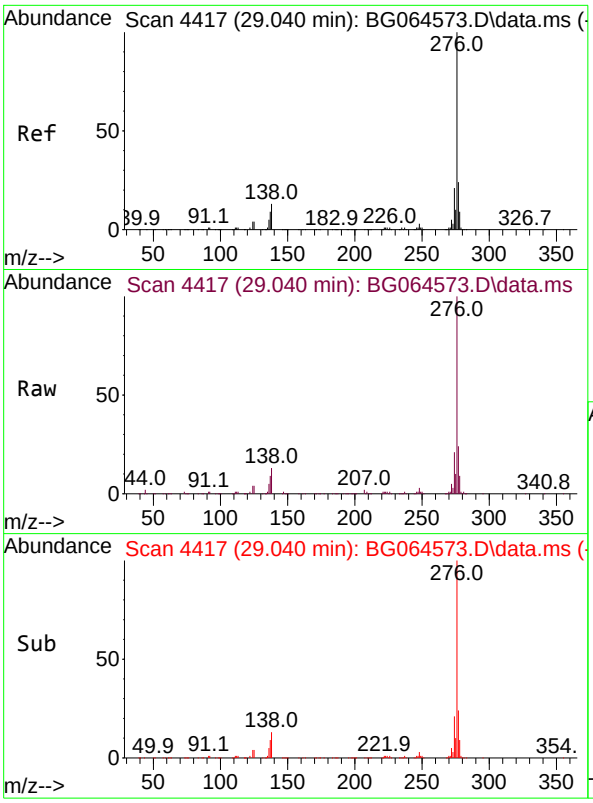


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.197 min Scan# 3763
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

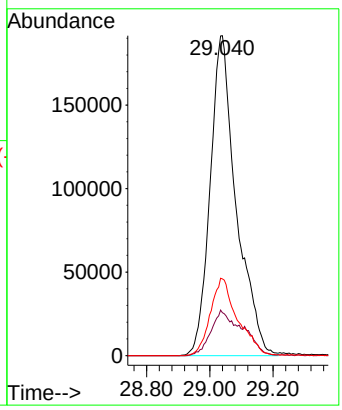




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.624 ng
RT: 29.040 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:276 Resp: 1100259

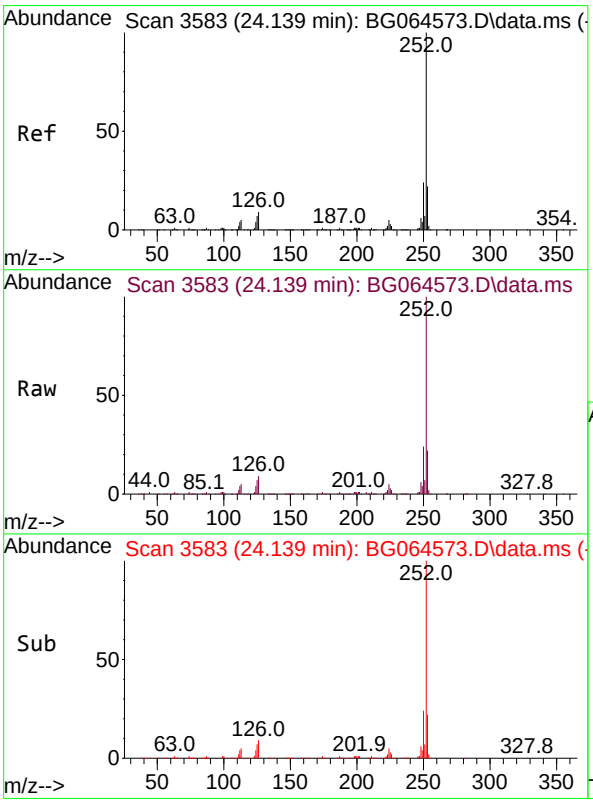
Ion	Ratio	Lower	Upper
276	100		
138	13.5	10.8	16.2
277	25.1	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

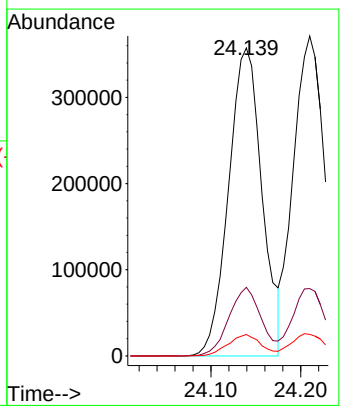
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

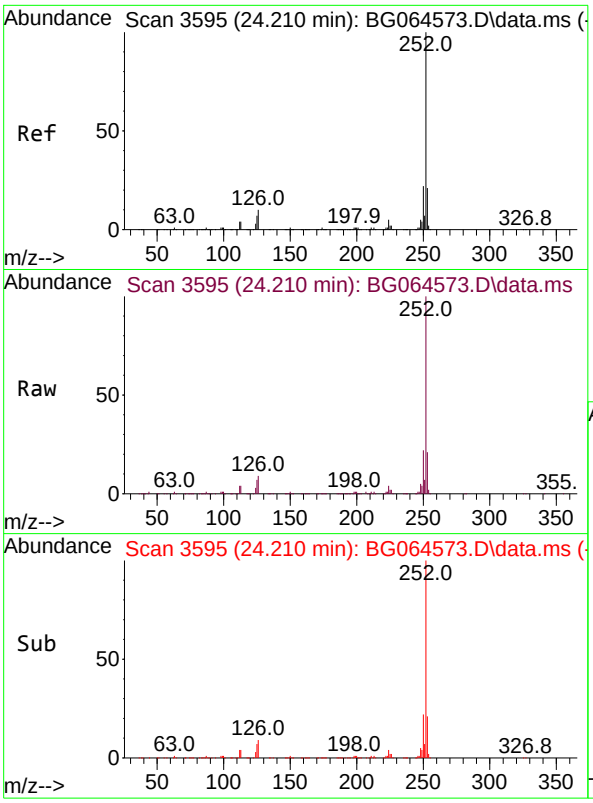


#88
Benzo(b)fluoranthene
Concen: 43.108 ng
RT: 24.139 min Scan# 3583
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

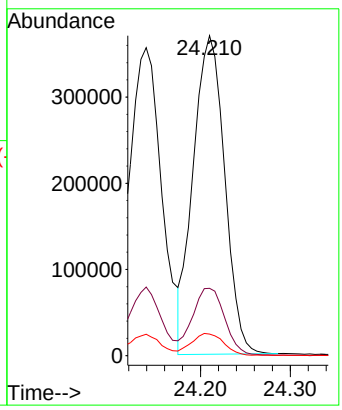




#89
Benzo(k)fluoranthene
Concen: 41.878 ng
RT: 24.210 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 90170

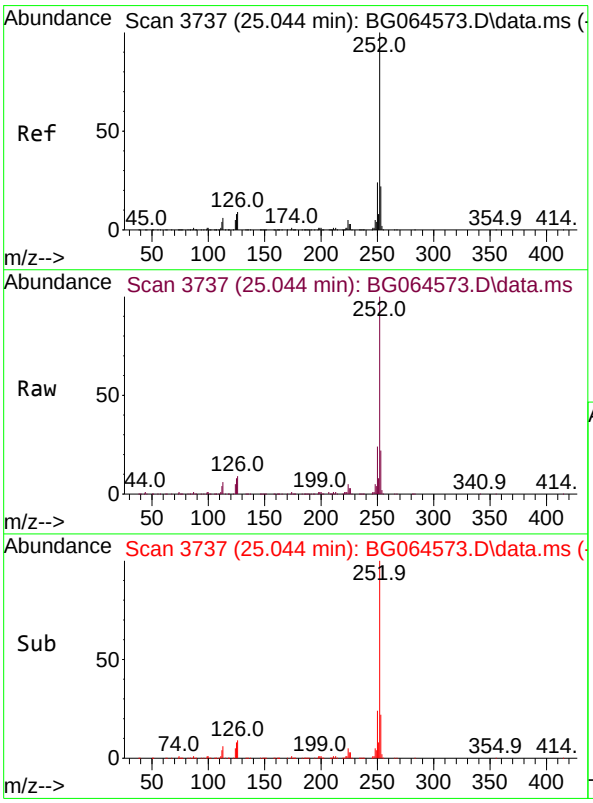
Ion	Ratio	Lower	Upper
252	100		
253	21.0	16.8	25.2
125	6.7	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

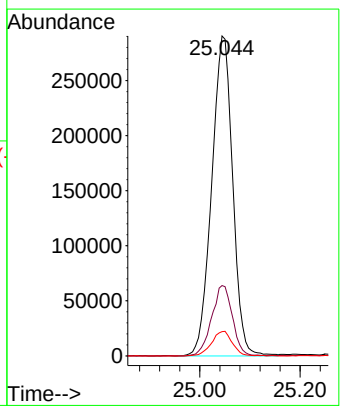
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

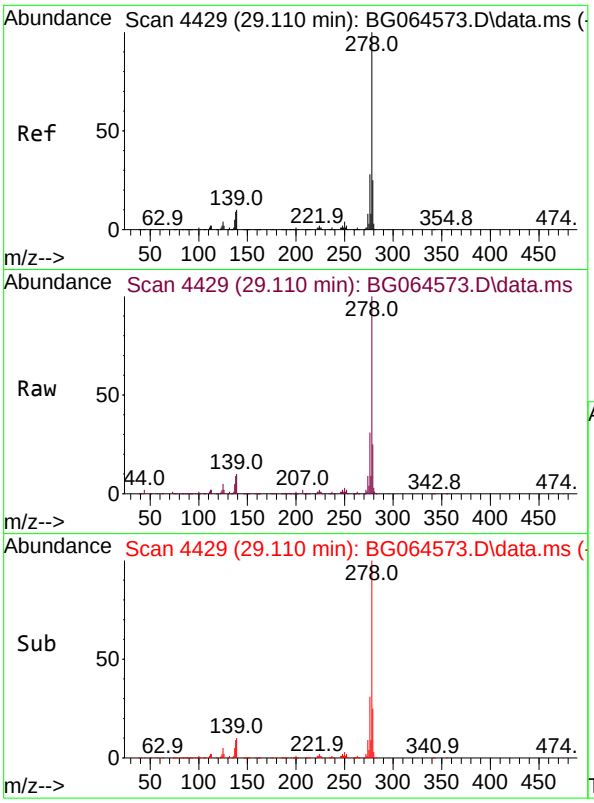


#90
Benzo(a)pyrene
Concen: 42.635 ng
RT: 25.044 min Scan# 3737
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

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

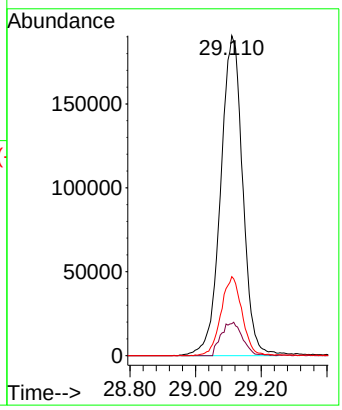




#91
Dibenzo(a,h)anthracene
Concen: 42.430 ng
RT: 29.110 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:278 Resp: 889808

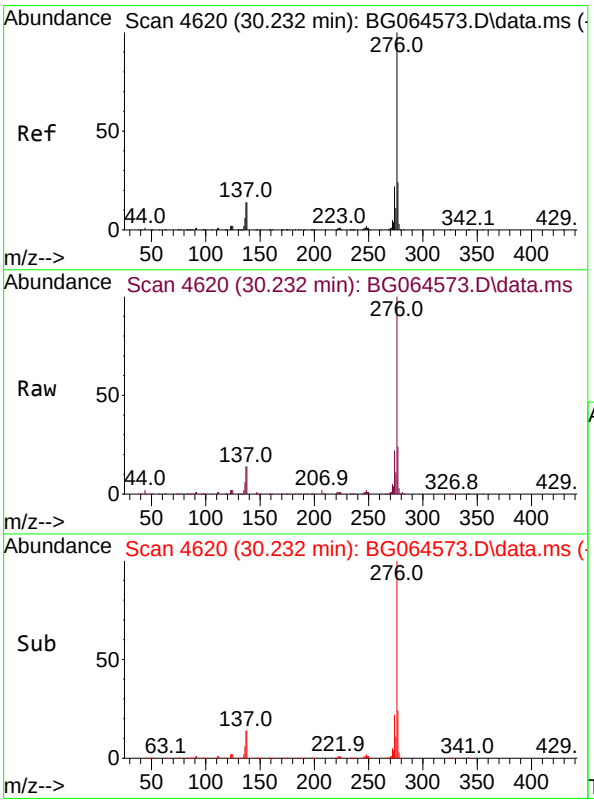
Ion	Ratio	Lower	Upper
278	100		
139	10.0	8.0	12.0
279	24.7	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

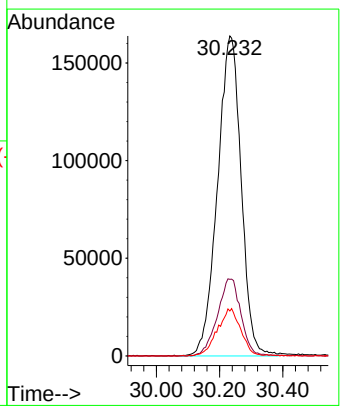
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 42.492 ng
RT: 30.232 min Scan# 4620
Delta R.T. 0.000 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:276 Resp: 851248

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	14.1	11.3	16.9



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 :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:01:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 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	7.626	93	174337	65.126	ng		100
12) 1,3-Dichlorobenzene	8.113	146	186290	64.452	ng		99
13) 1,4-Dichlorobenzene	8.254	146	188553	64.156	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	8.648	107	162536	67.237	ng		98
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	173061	69.317	ng		97
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	130898m	65.612	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	65.402	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

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

Quant Time: Nov 03 18:01:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

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	30.246	276	1347382	67.253	ng		98

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

ICAL Form

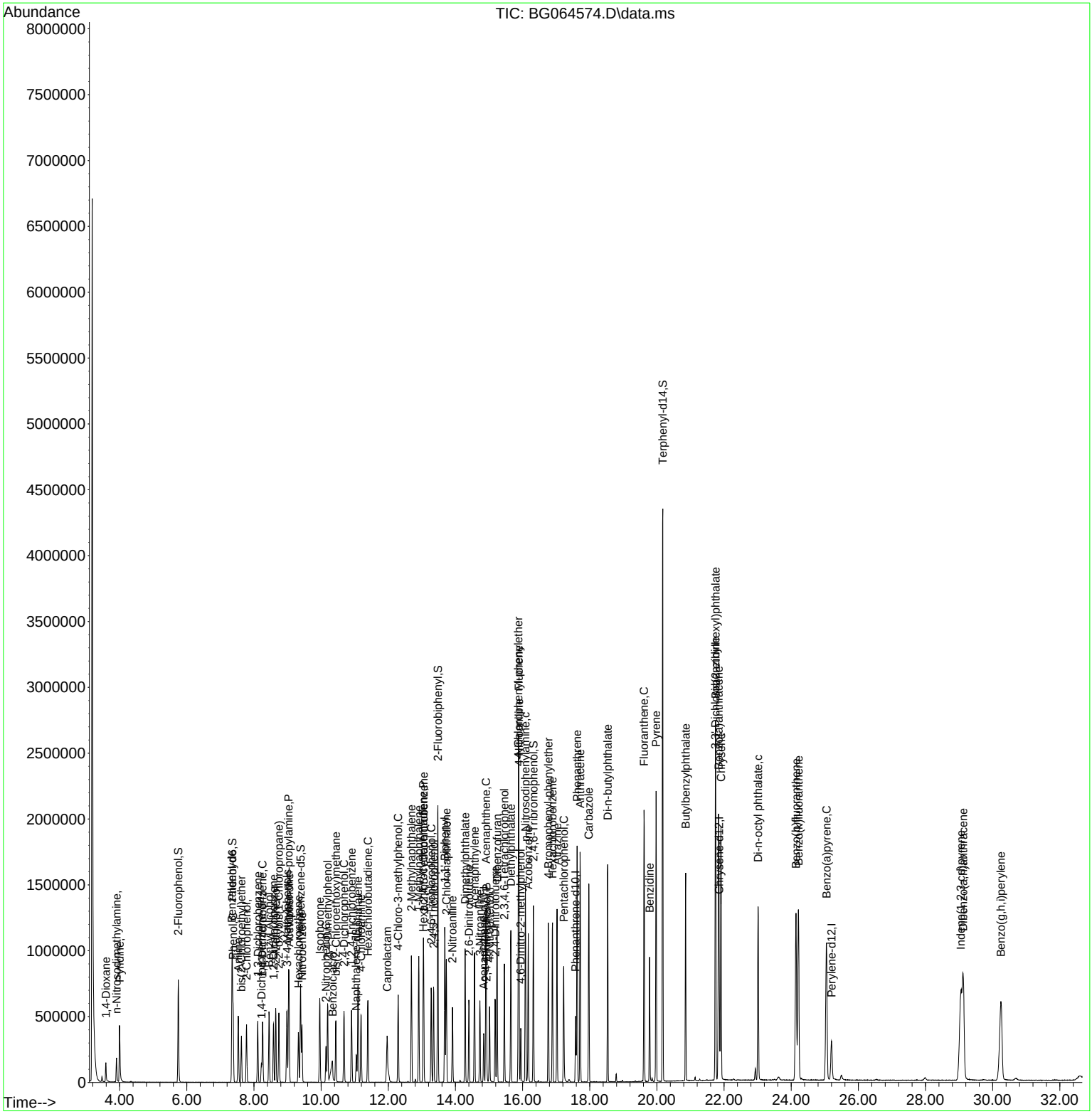
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064574.D
Acq On : 24 Oct 2025 13:44
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

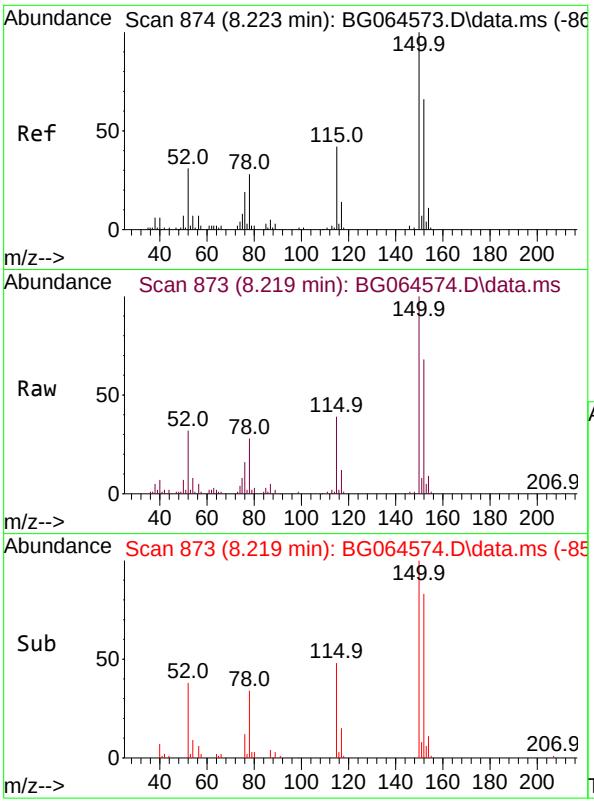
Quant Time: Nov 03 18:01:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

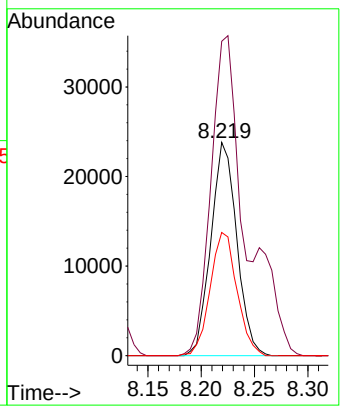




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:152 Resp: 4027

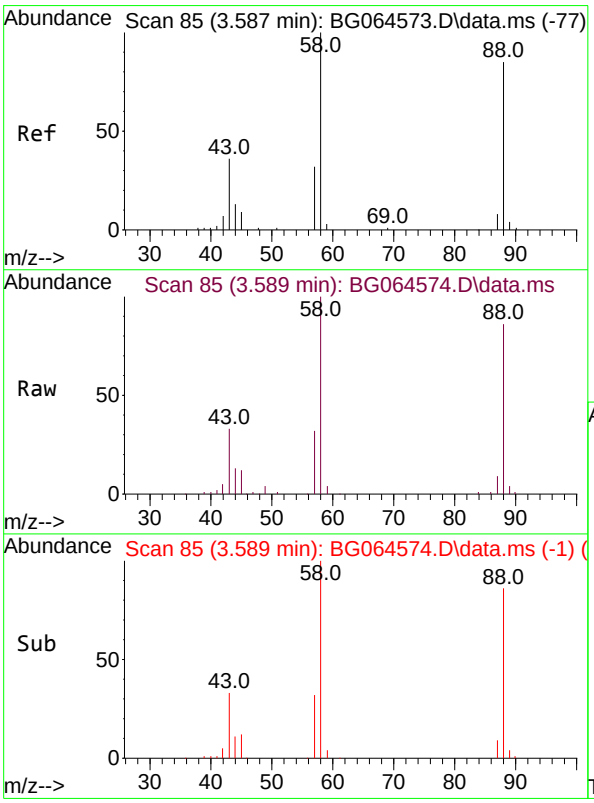
Ion	Ratio	Lower	Upper
152	100		
150	147.4	122.2	183.4
115	57.8	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

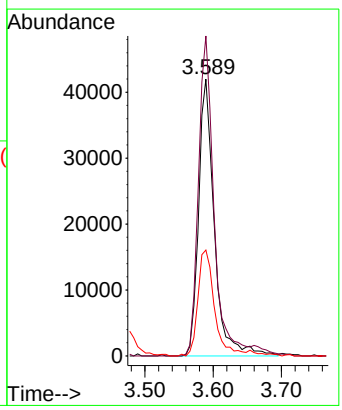
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

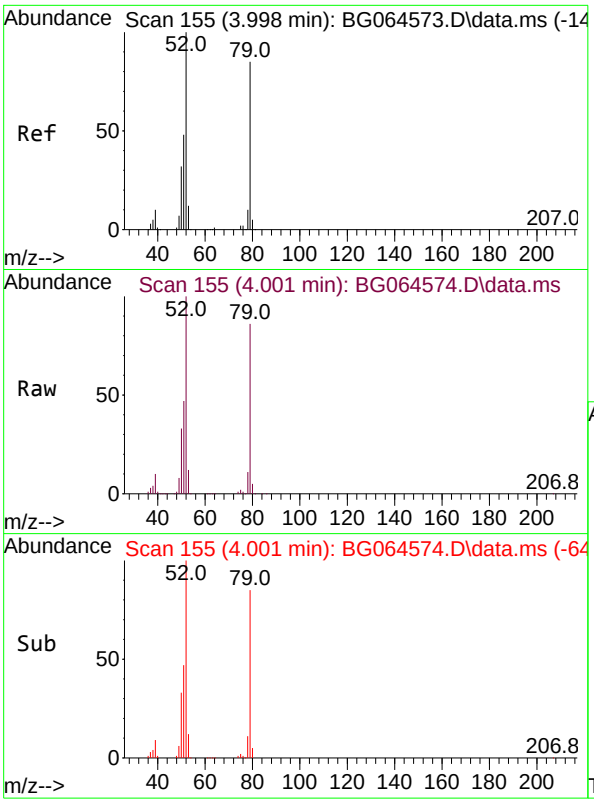


#2
1,4-Dioxane
Concen: 63.535 ng
RT: 3.589 min Scan# 85
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

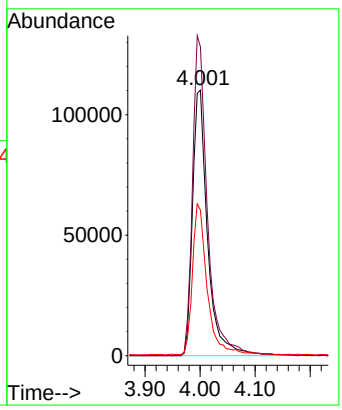




#3
Pyridine
Concen: 65.637 ng
RT: 4.001 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 79 Resp: 20937

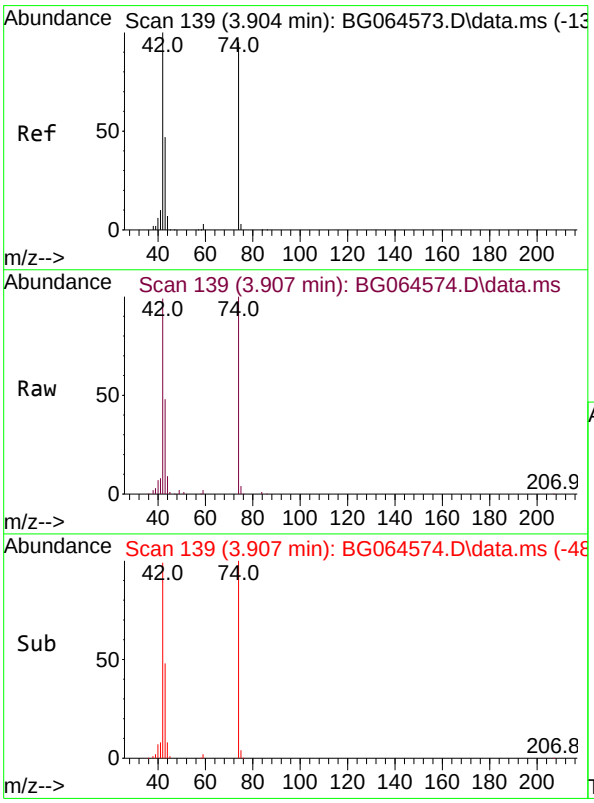
Ion	Ratio	Lower	Upper
79	100		
52	116.3	94.2	141.2
51	54.8	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

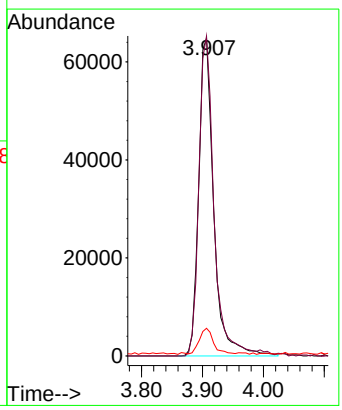
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

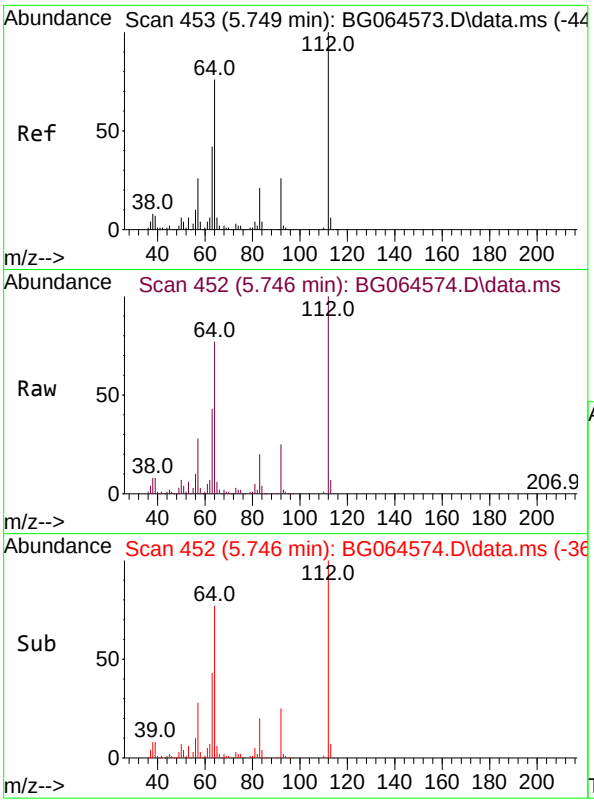


#4
n-Nitrosodimethylamine
Concen: 65.071 ng
RT: 3.907 min Scan# 139
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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. -0.004 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

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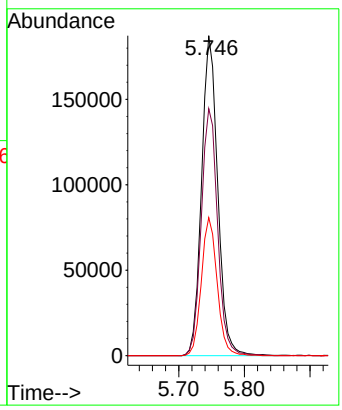
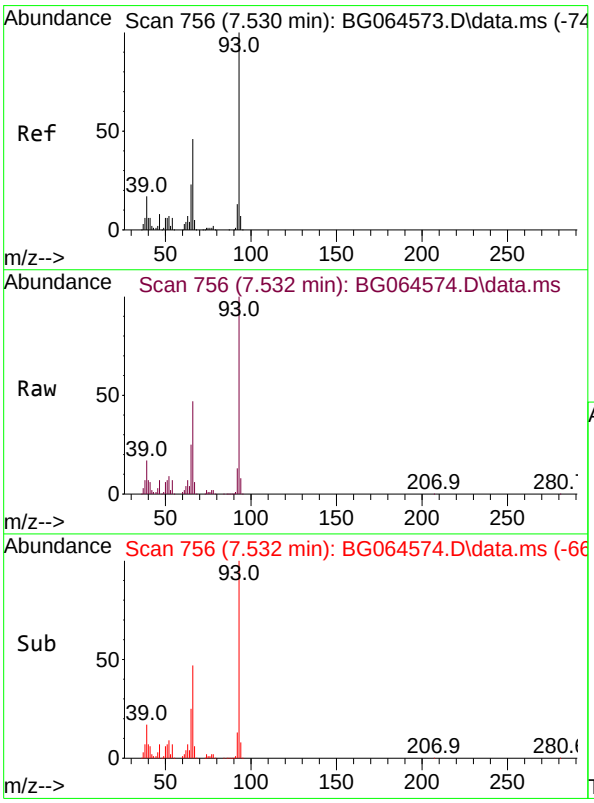
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

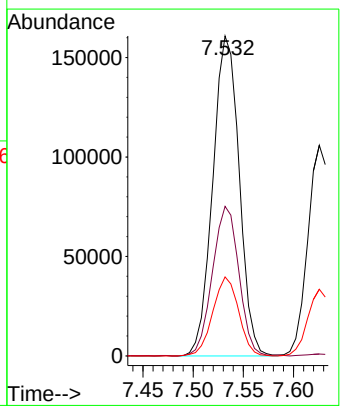


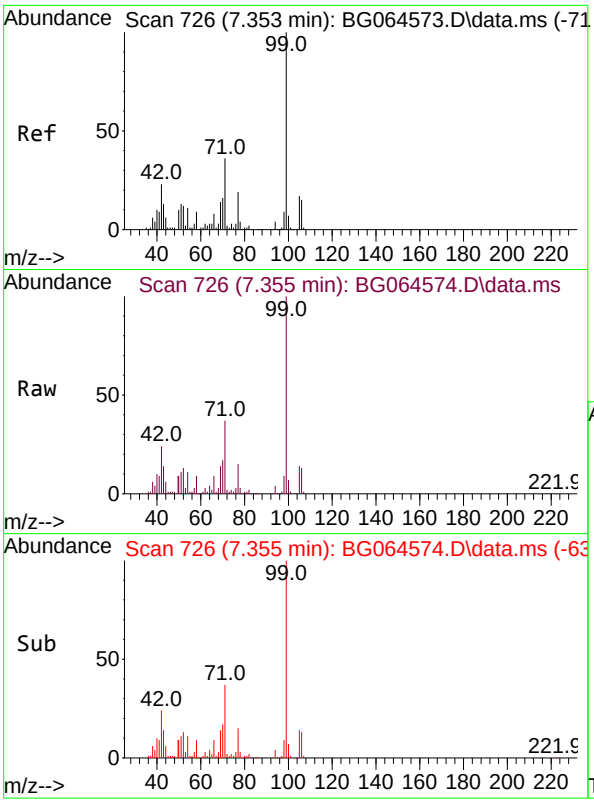


#6
Aniline
Concen: 65.803 ng
RT: 7.532 min Scan# 756
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

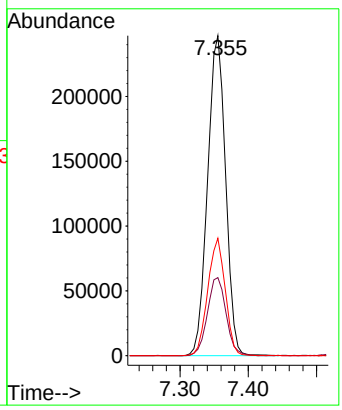




#7
Phenol-d6
Concen: 136.821 ng
RT: 7.355 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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 :
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ClientSampleId :
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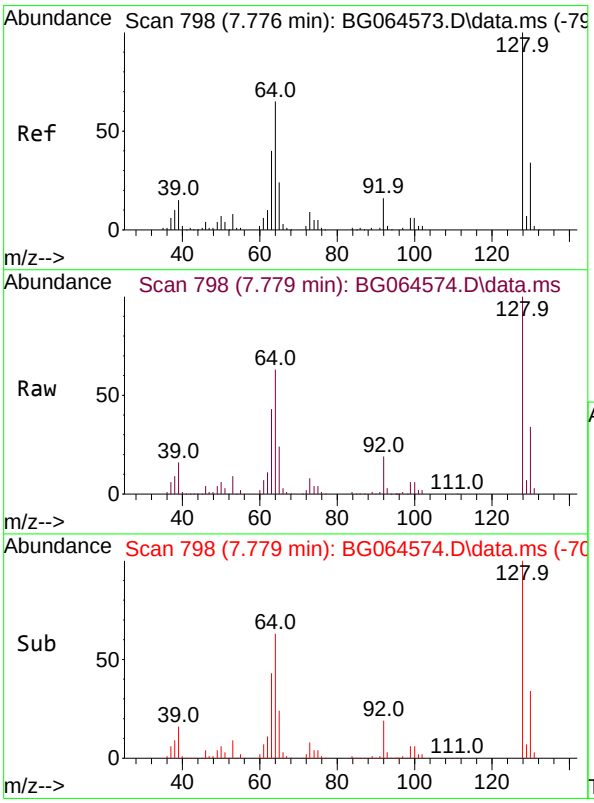
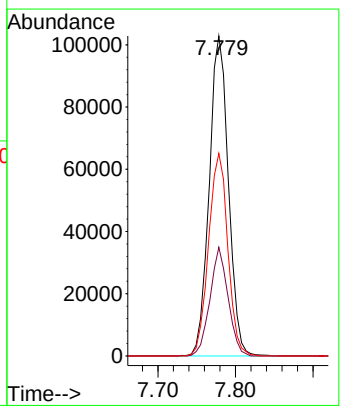
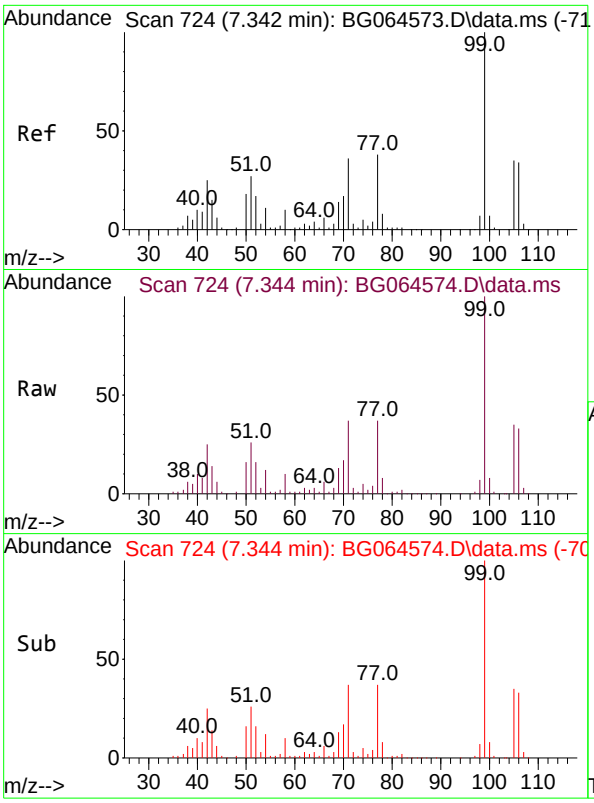


#8
2-Chlorophenol
Concen: 70.297 ng
RT: 7.779 min Scan# 798
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

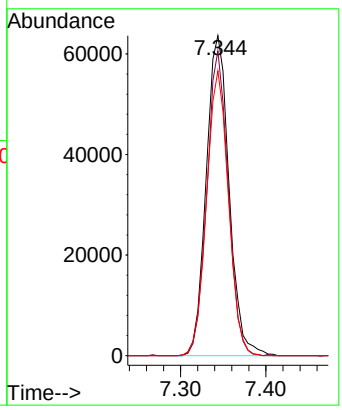




#9
Benzaldehyde
Concen: 65.963 ng
RT: 7.344 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

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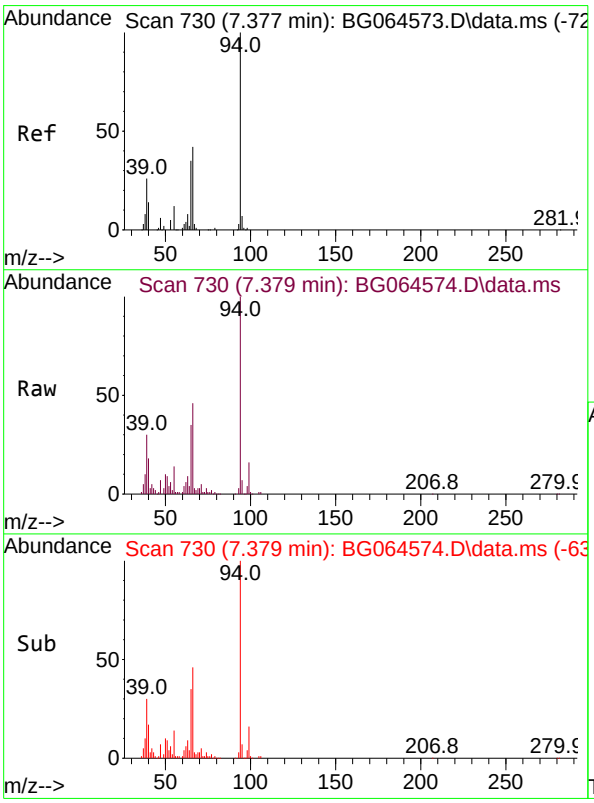
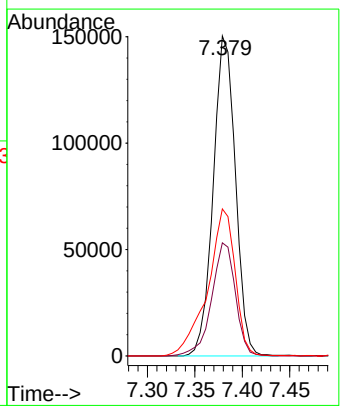
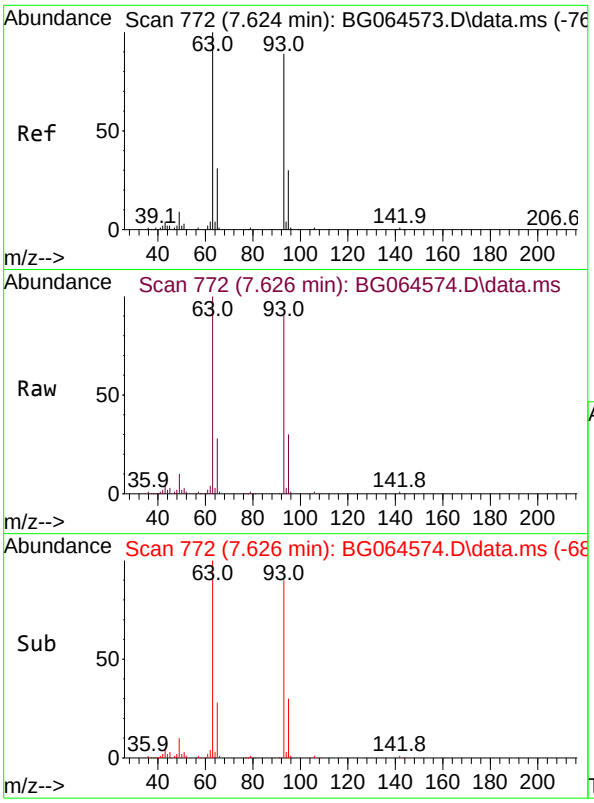


#10
Phenol
Concen: 67.267 ng
RT: 7.379 min Scan# 730
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

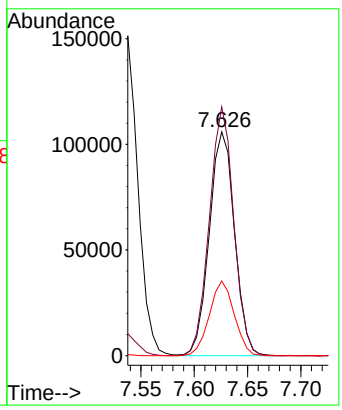




#11
bis(2-Chloroethyl)ether
Concen: 65.126 ng
RT: 7.626 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 93 Resp: 17433

Ion	Ratio	Lower	Upper
93	100		
63	111.2	91.3	131.3
95	33.3	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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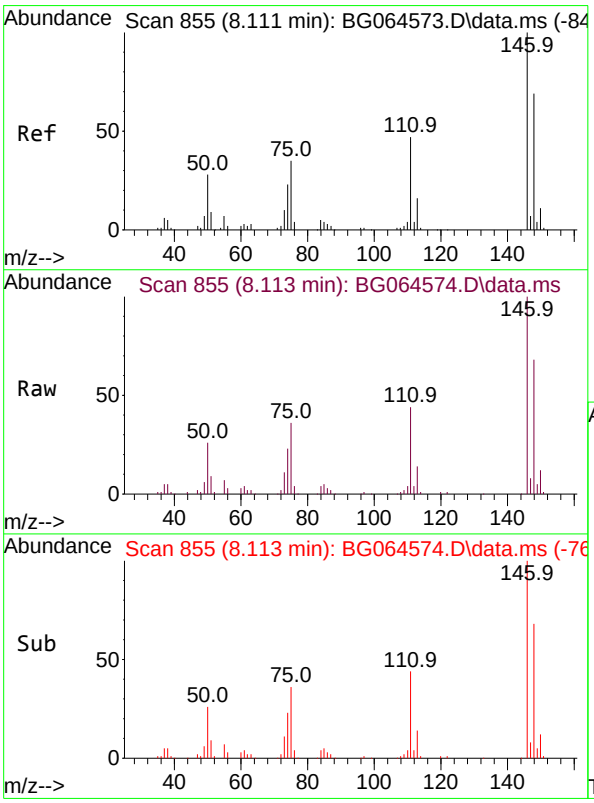
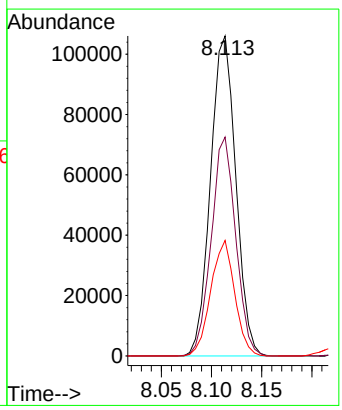
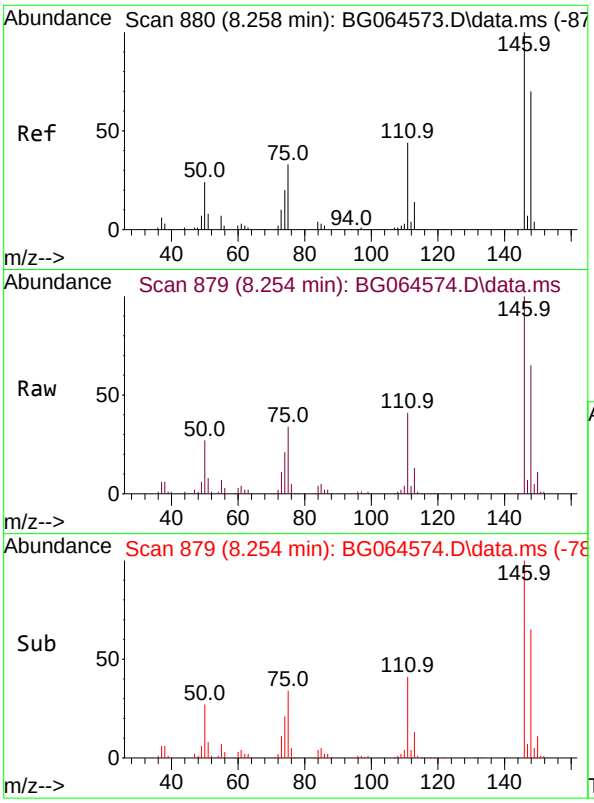


#12
1,3-Dichlorobenzene
Concen: 64.452 ng
RT: 8.113 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

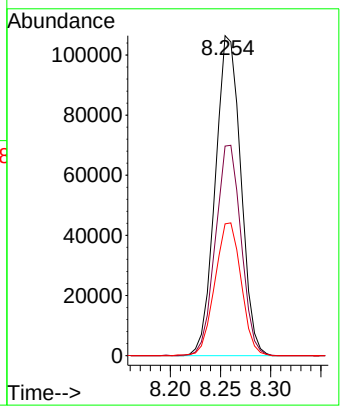




#13
1,4-Dichlorobenzene
Concen: 64.156 ng
RT: 8.254 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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 :
SSTDICC060

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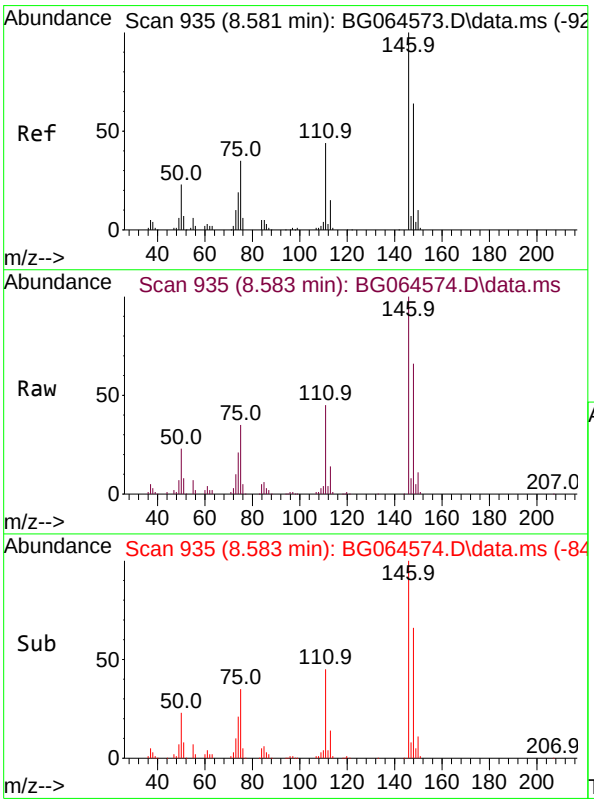
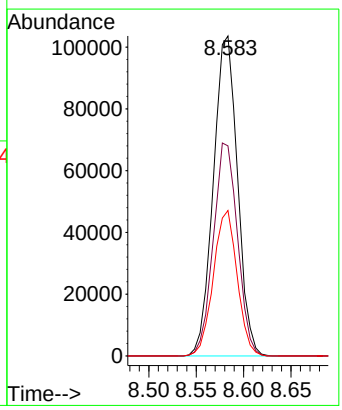
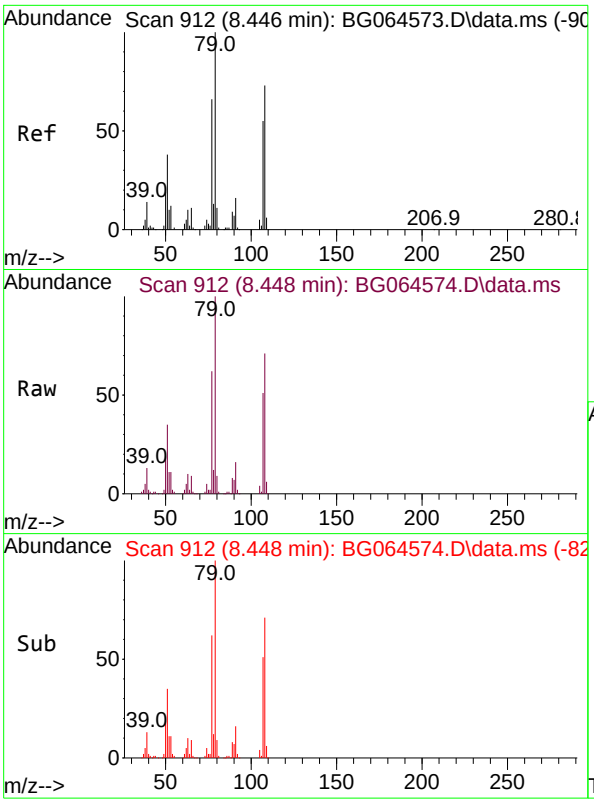


#14
1,2-Dichlorobenzene
Concen: 64.766 ng
RT: 8.583 min Scan# 935
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

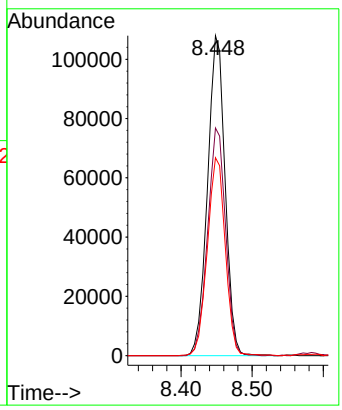




#15
Benzyl Alcohol
Concen: 68.201 ng
RT: 8.448 min Scan# 91
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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 :
BNA_G
ClientSampleId :
SSTDICC060

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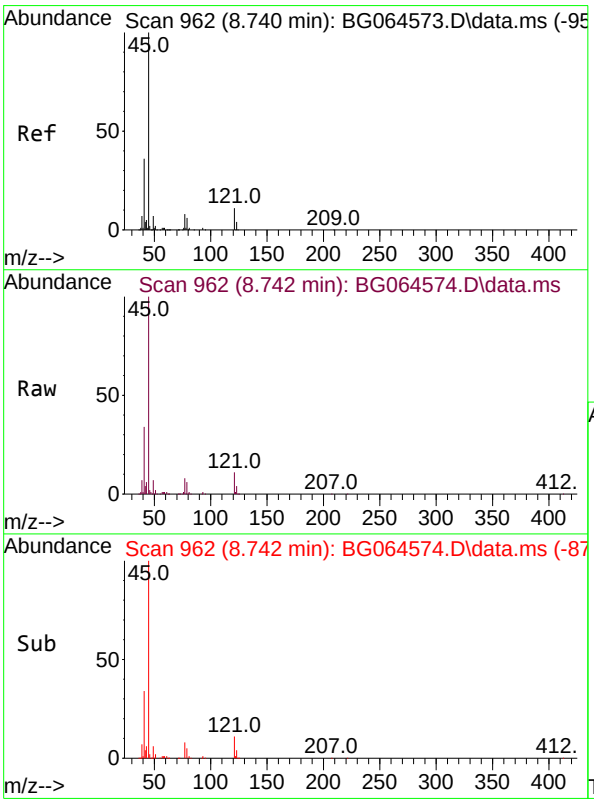
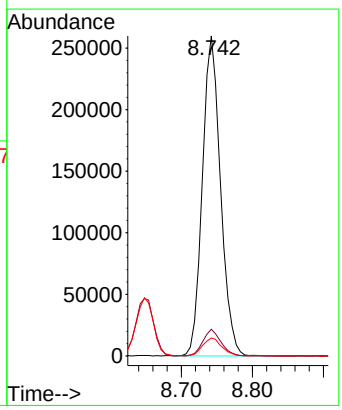
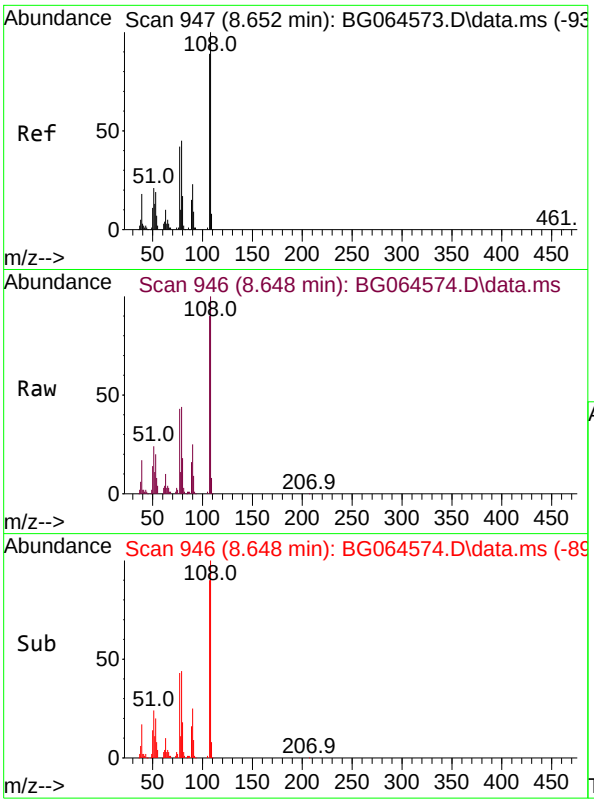


#16
2,2'-oxybis(1-Chloropropane)
Concen: 65.410 ng
RT: 8.742 min Scan# 962
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

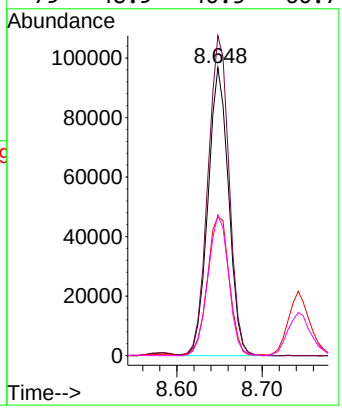




#17
2-Methylphenol
Concen: 67.237 ng
RT: 8.648 min Scan# 94
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:107 Resp: 16253

Ion	Ratio	Lower	Upper
107	100		
108	111.1	90.0	135.0
77	48.2	37.8	56.8
79	48.9	40.5	60.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

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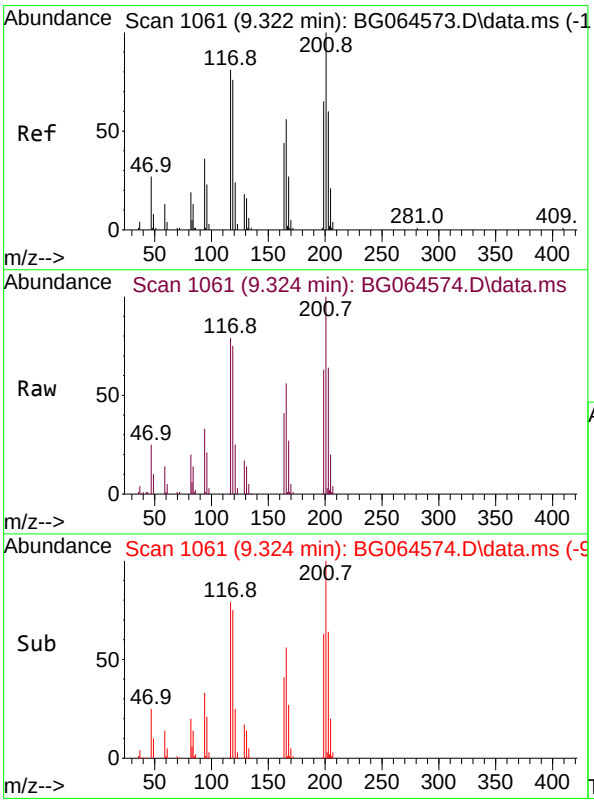
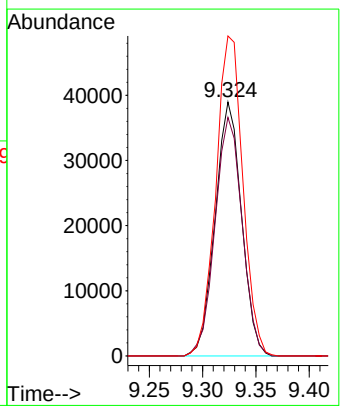
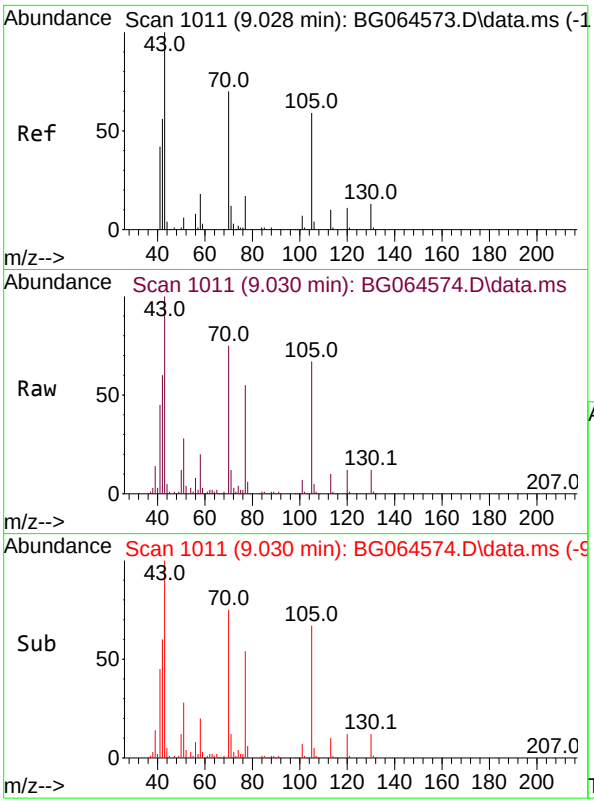


#18
Hexachloroethane
Concen: 65.193 ng
RT: 9.324 min Scan# 1061
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

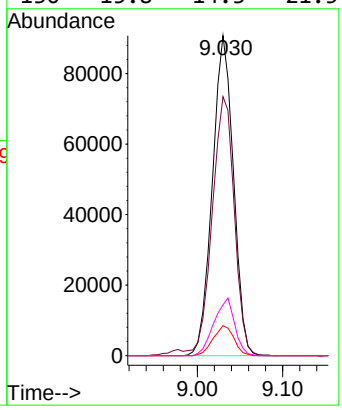




#19
n-Nitroso-di-n-propylamine
Concen: 68.424 ng
RT: 9.030 min Scan# 10
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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 :
BNA_G
ClientSampleId :
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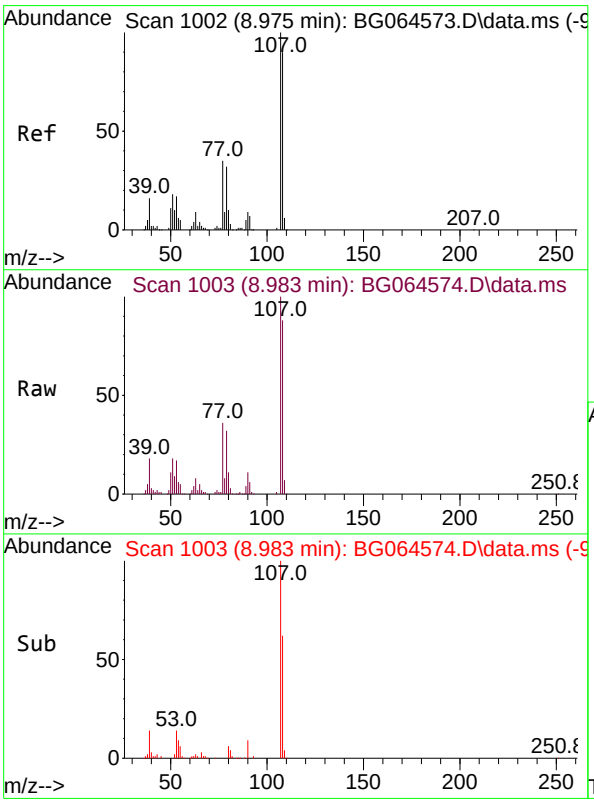
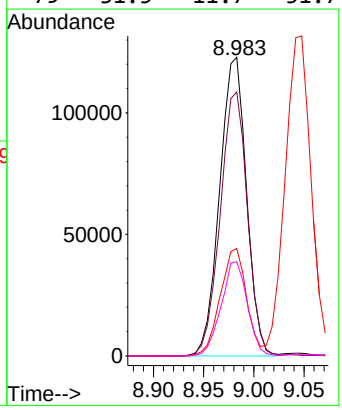
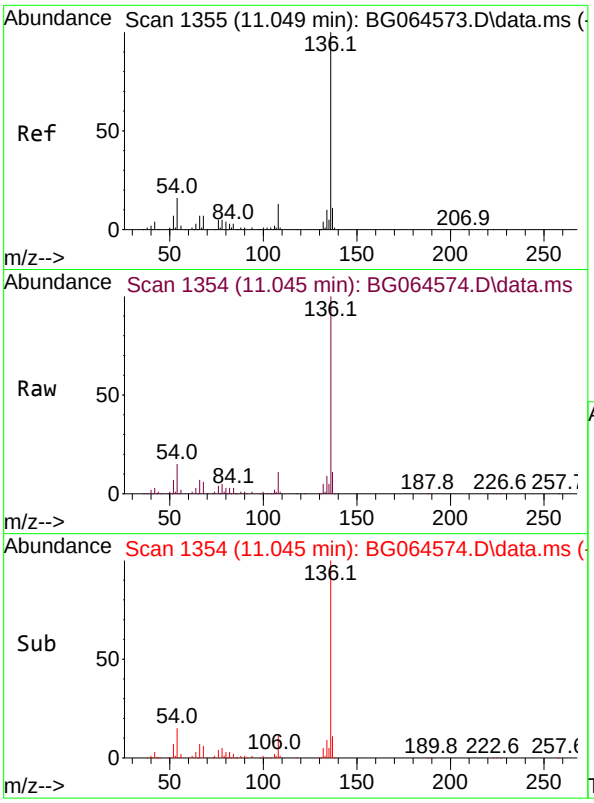


#20
3+4-Methylphenols
Concen: 67.359 ng
RT: 8.983 min Scan# 1003
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

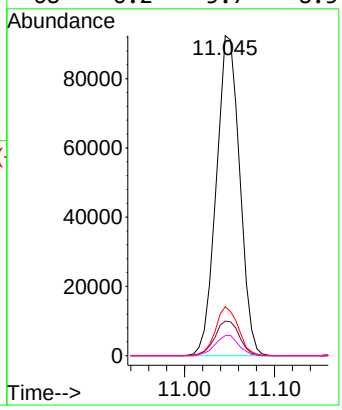




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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 :
SSTDICC060

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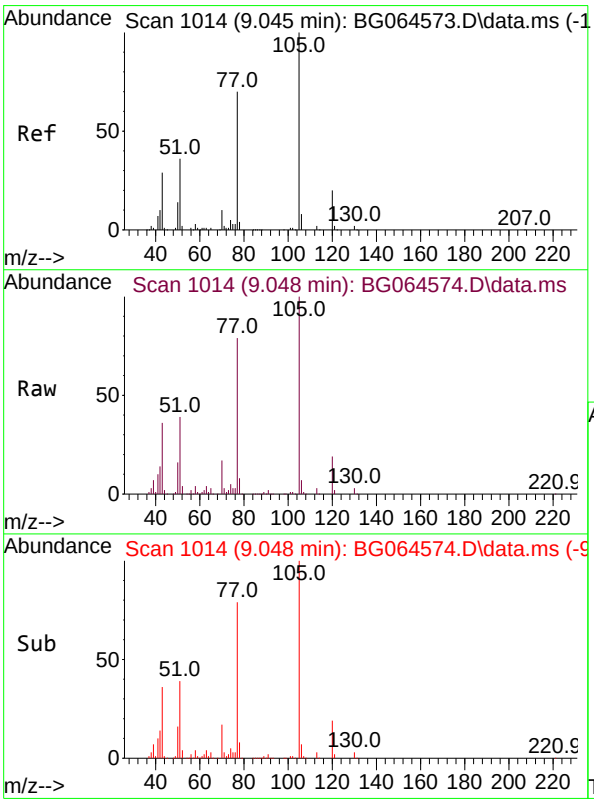
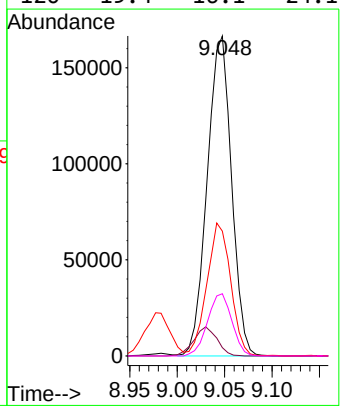
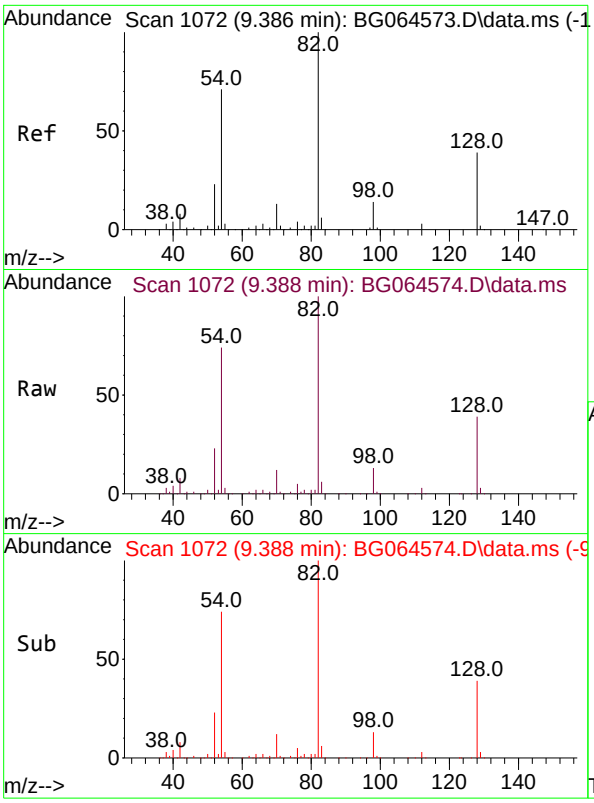


#22
Acetophenone
Concen: 64.759 ng
RT: 9.048 min Scan# 1014
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

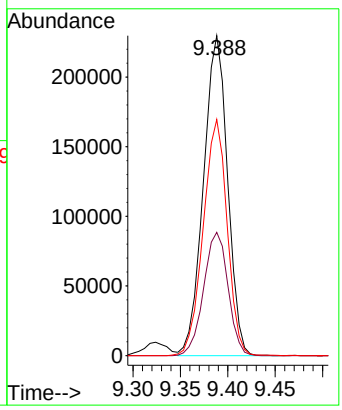




#23
Nitrobenzene-d5
Concen: 145.243 ng
RT: 9.388 min Scan# 10
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 82 Resp: 406268

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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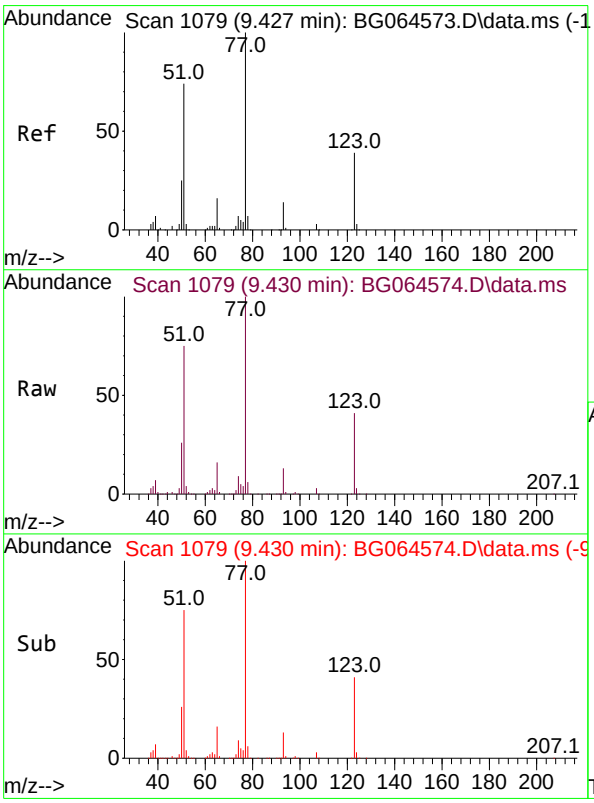
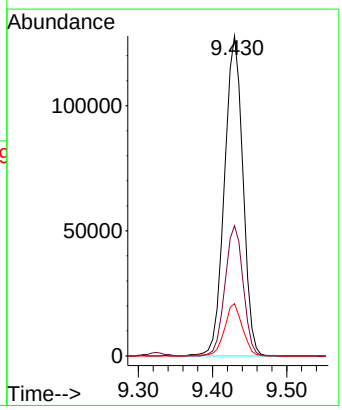
Supervised By :mohammad ahmed 11/05/2025

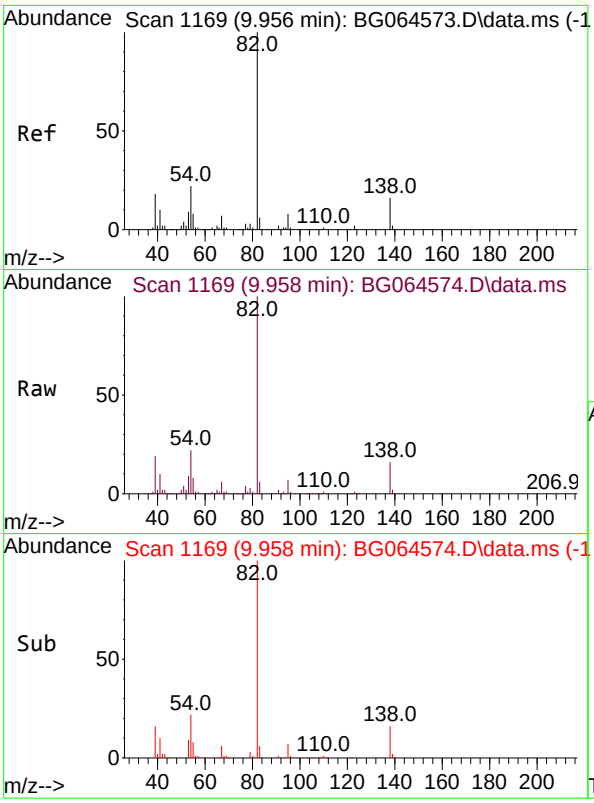


#24
Nitrobenzene
Concen: 72.567 ng
RT: 9.430 min Scan# 1079
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

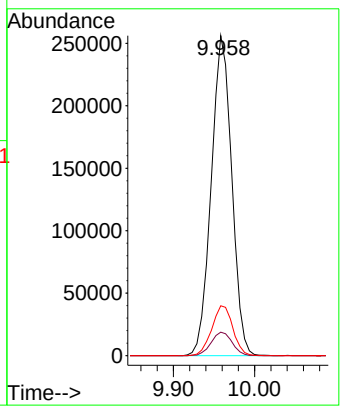




#25
Isophorone
Concen: 66.940 ng
RT: 9.958 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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



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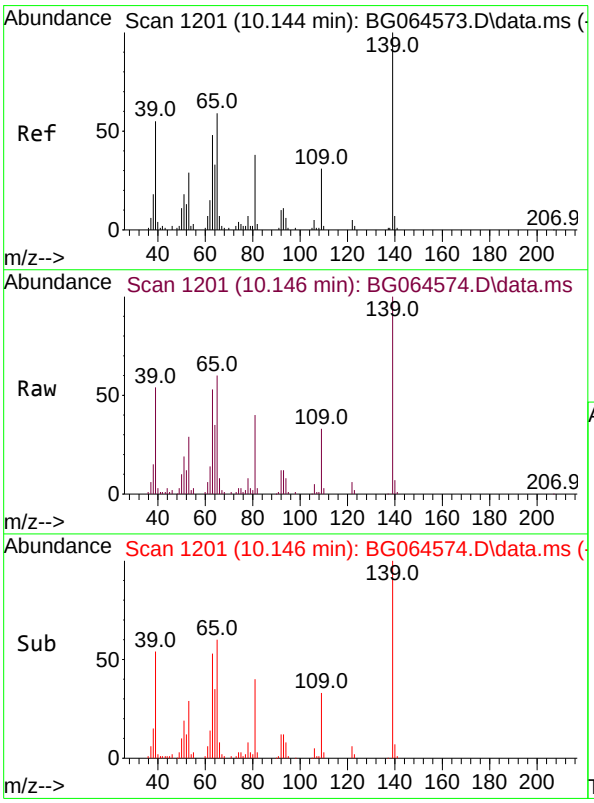
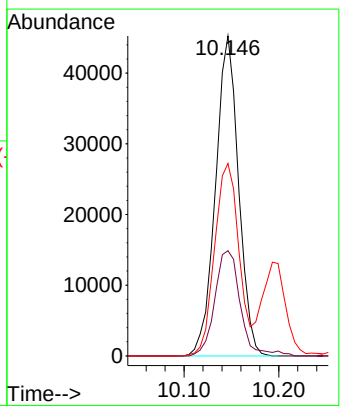
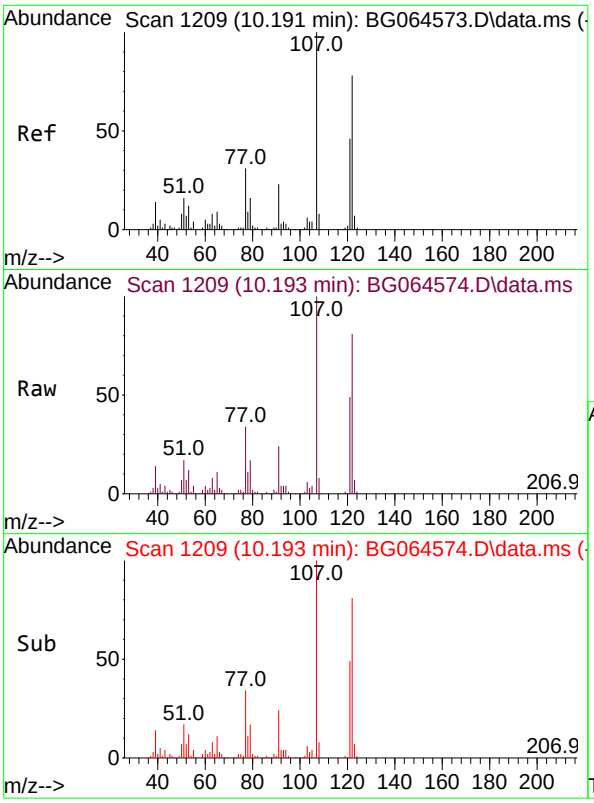


#26
2-Nitrophenol
Concen: 63.945 ng
RT: 10.146 min Scan# 1201
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

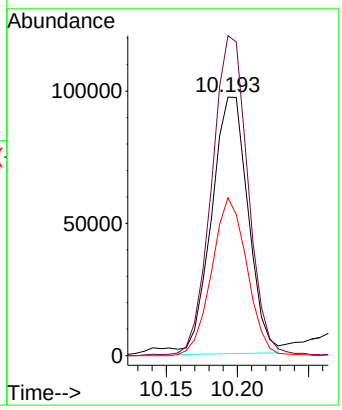




#27
2,4-Dimethylphenol
Concen: 69.317 ng
RT: 10.193 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:122 Resp: 17306

Ion	Ratio	Lower	Upper
122	100		
107	123.8	103.0	154.4
121	61.1	47.8	71.8



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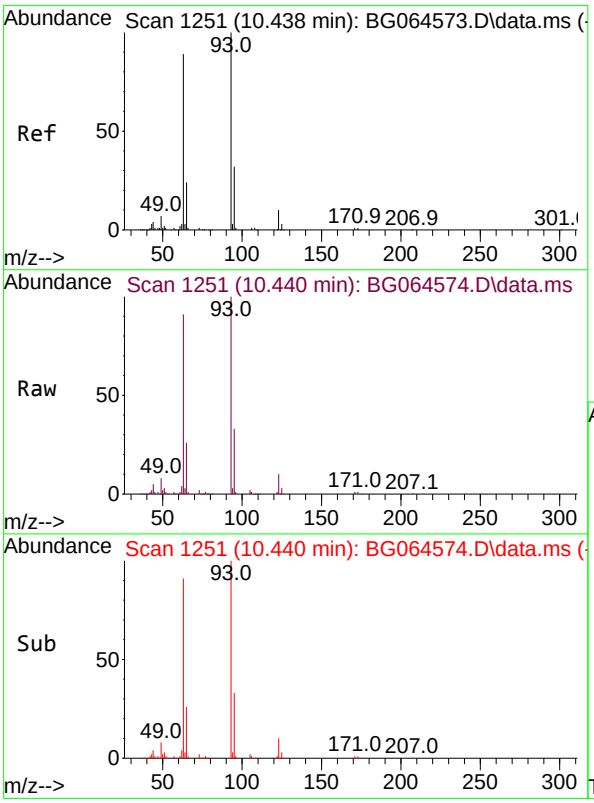
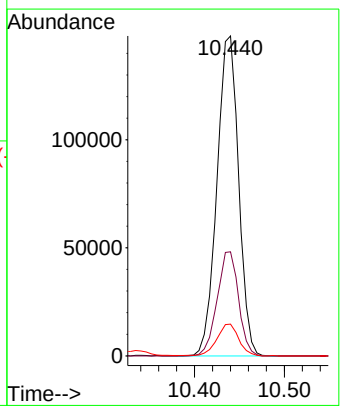
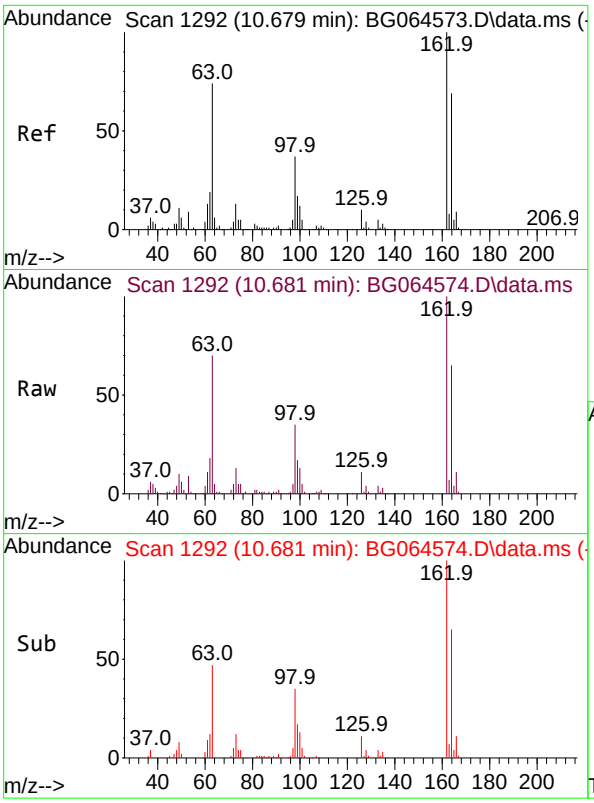


#28
bis(2-Chloroethoxy)methane
Concen: 65.078 ng
RT: 10.440 min Scan# 1251
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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. 0.002 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 :
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ClientSampleId :
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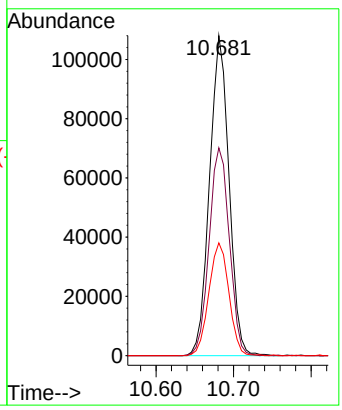
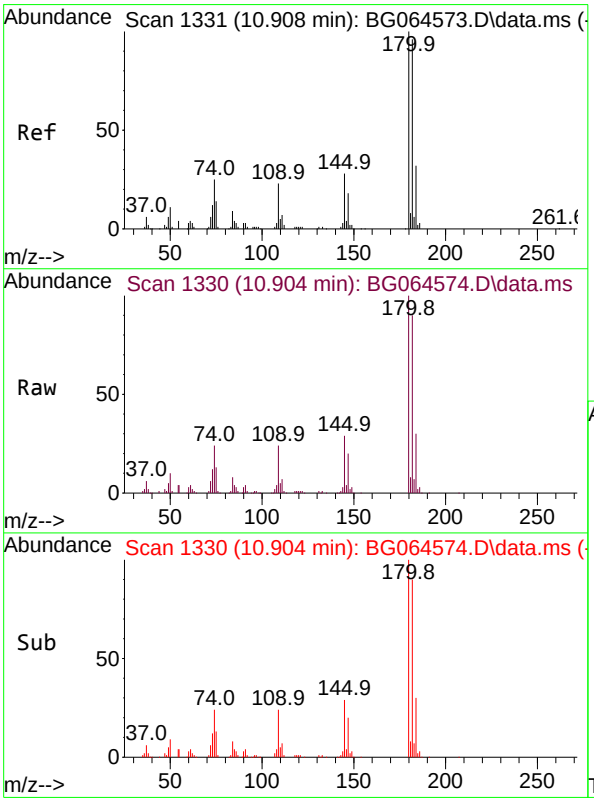
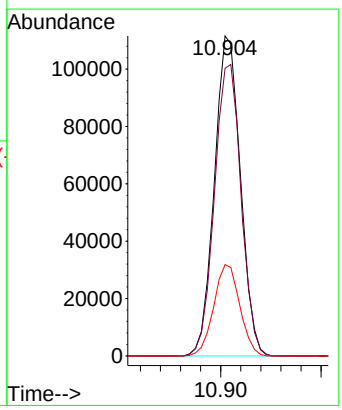


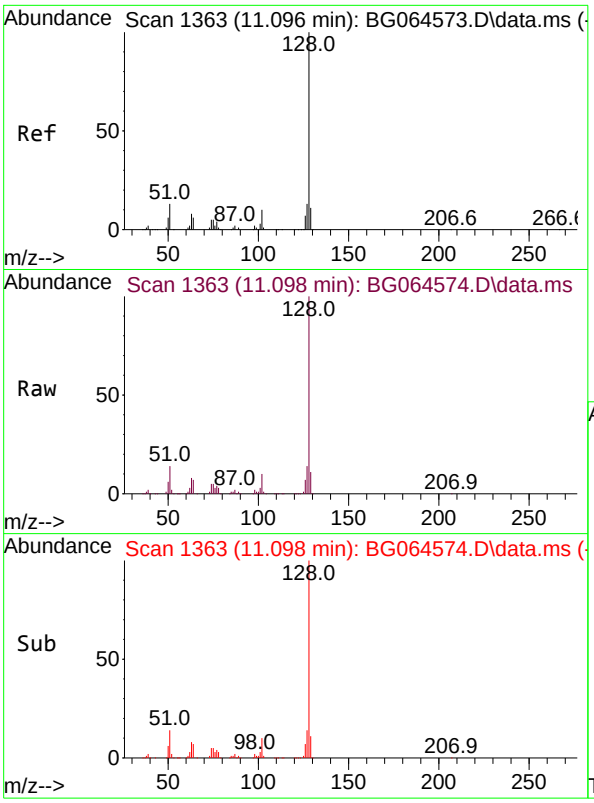


#30
1,2,4-Trichlorobenzene
Concen: 65.837 ng
RT: 10.904 min Scan# 1330
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

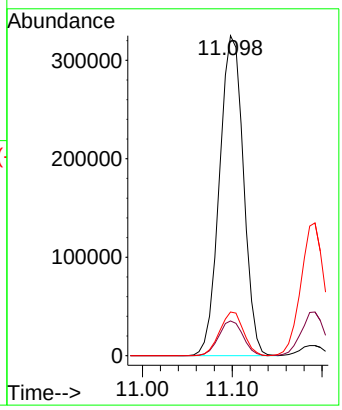




#31
Naphthalene
Concen: 64.976 ng
RT: 11.098 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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



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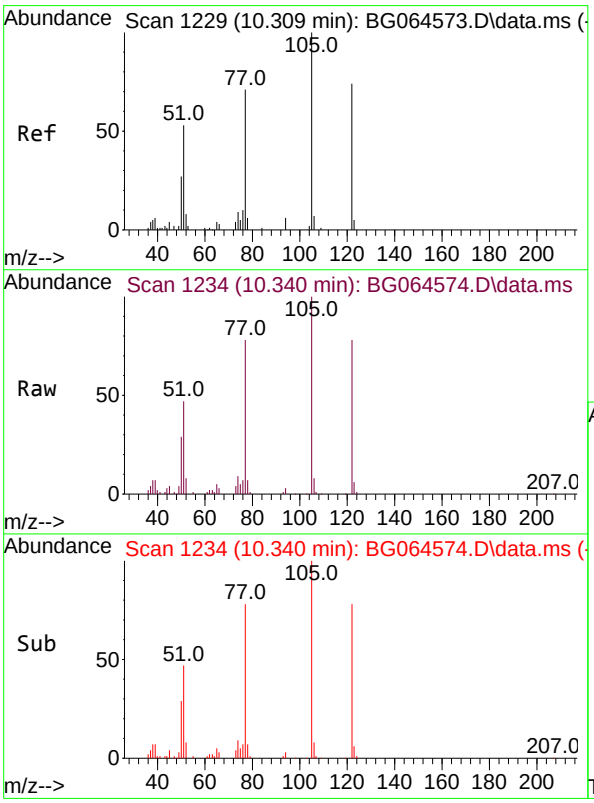
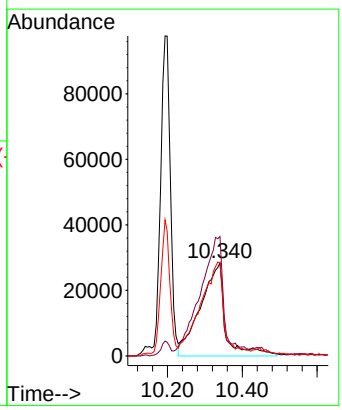
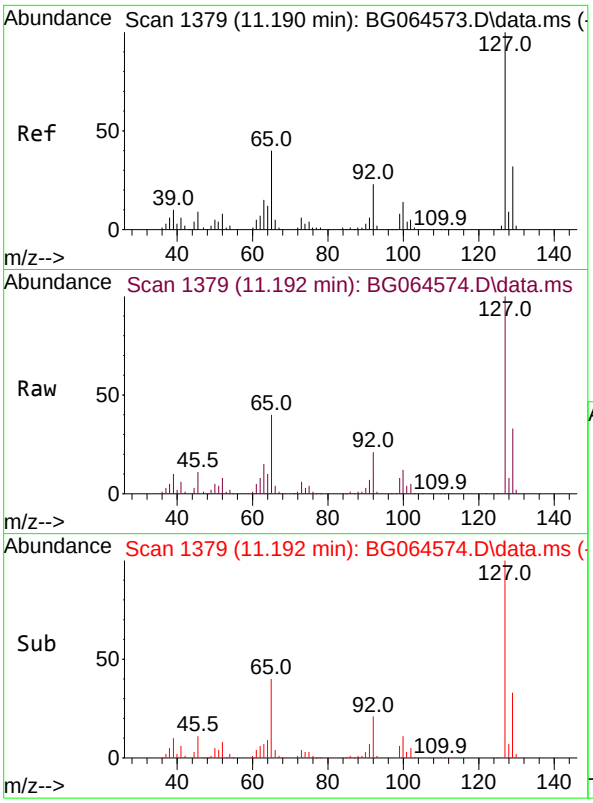


#32
Benzoic acid
Concen: 65.612 ng m
RT: 10.340 min Scan# 1234
Delta R.T. 0.031 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:122 Resp: 130898

Ion	Ratio	Lower	Upper
122	100		
105	128.3	104.2	144.2
77	99.8	70.2	110.2

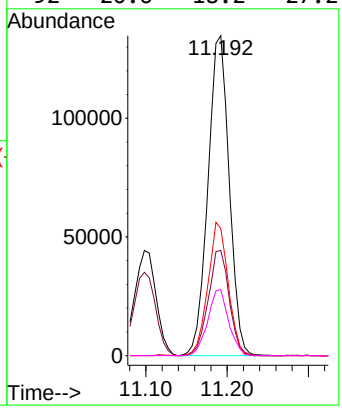




#33
4-Chloroaniline
Concen: 67.699 ng
RT: 11.192 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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



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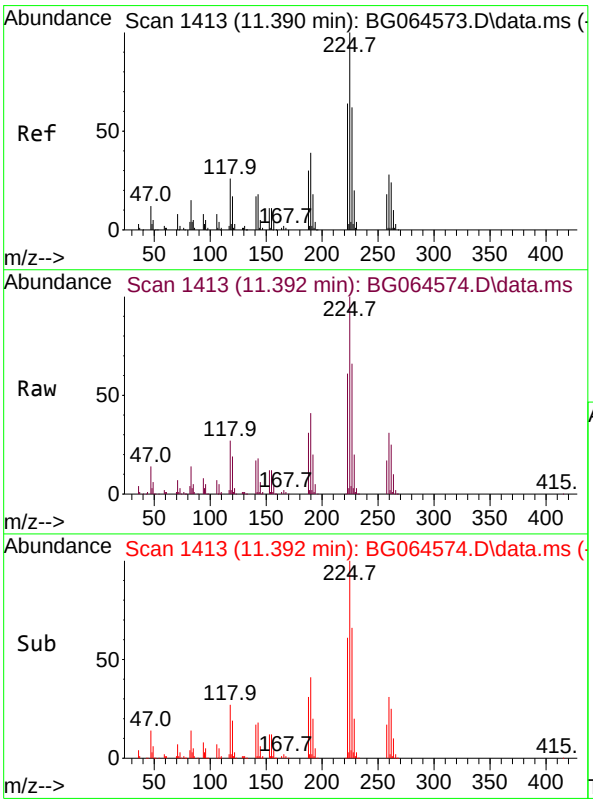
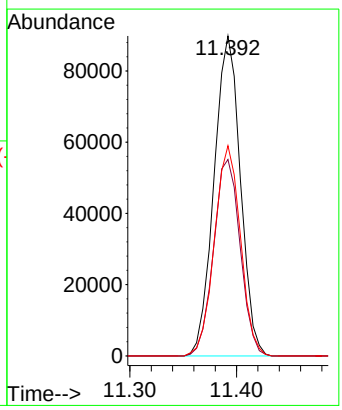
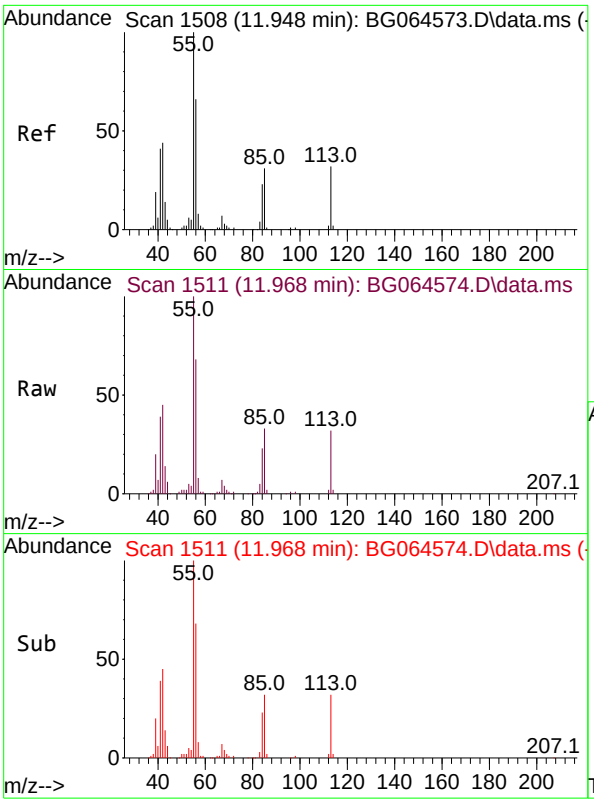


#34
Hexachlorobutadiene
Concen: 64.630 ng
RT: 11.392 min Scan# 1413
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

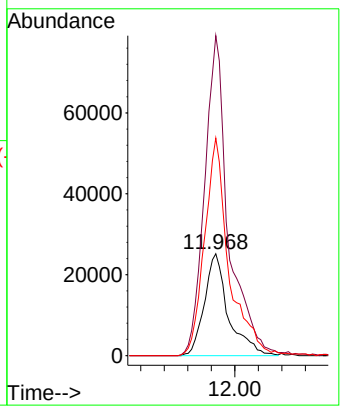




#35
Caprolactam
Concen: 69.206 ng
RT: 11.968 min Scan# 1
Delta R.T. 0.020 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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



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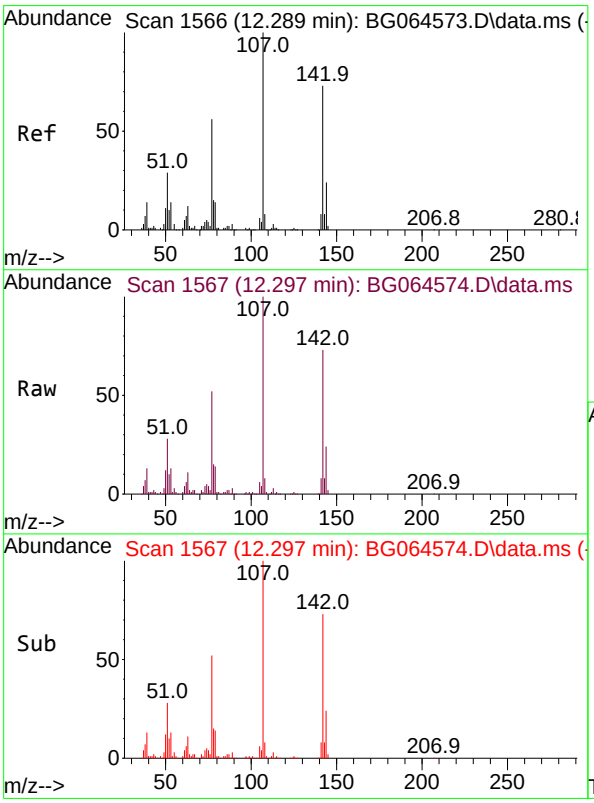
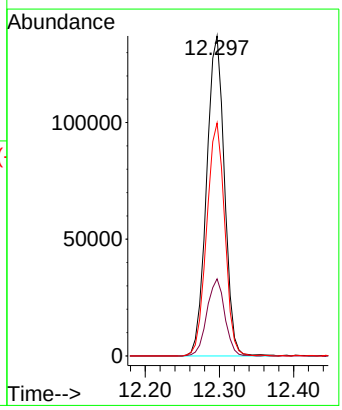
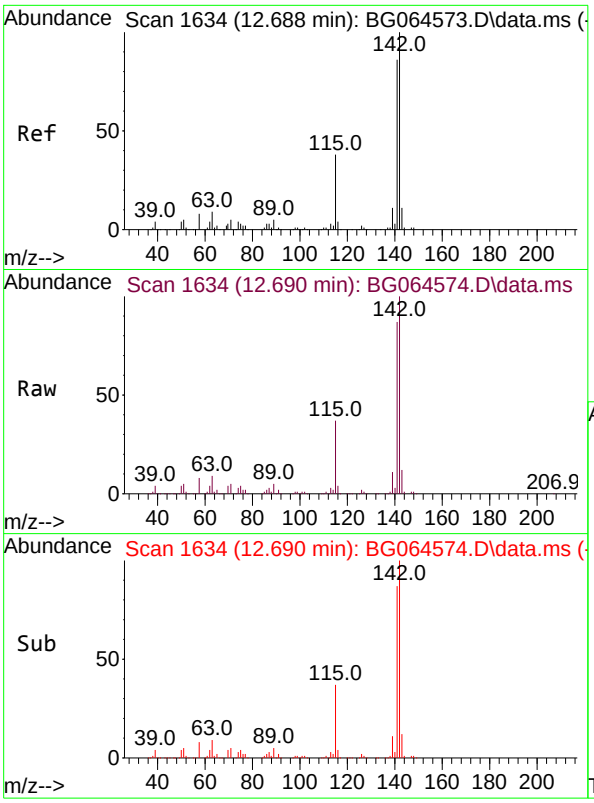


#36
4-Chloro-3-methylphenol
Concen: 70.853 ng
RT: 12.297 min Scan# 1567
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

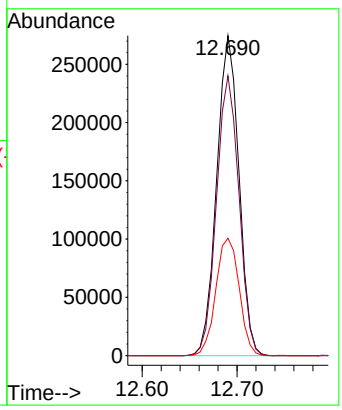




#37
2-Methylnaphthalene
Concen: 65.435 ng
RT: 12.690 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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



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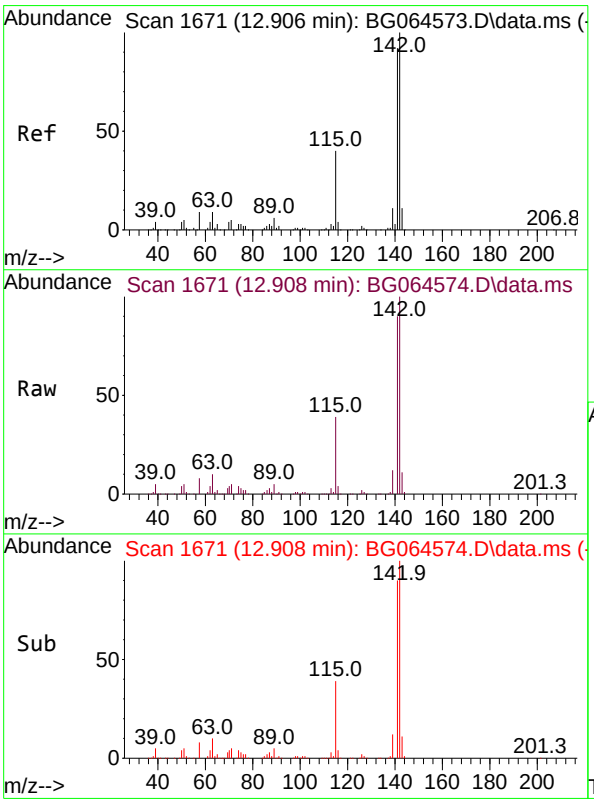
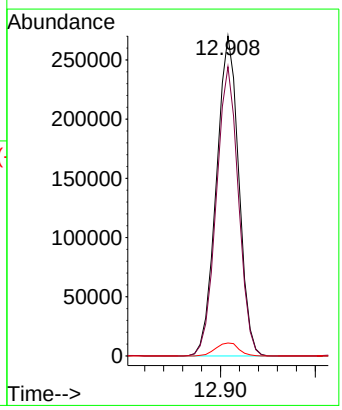
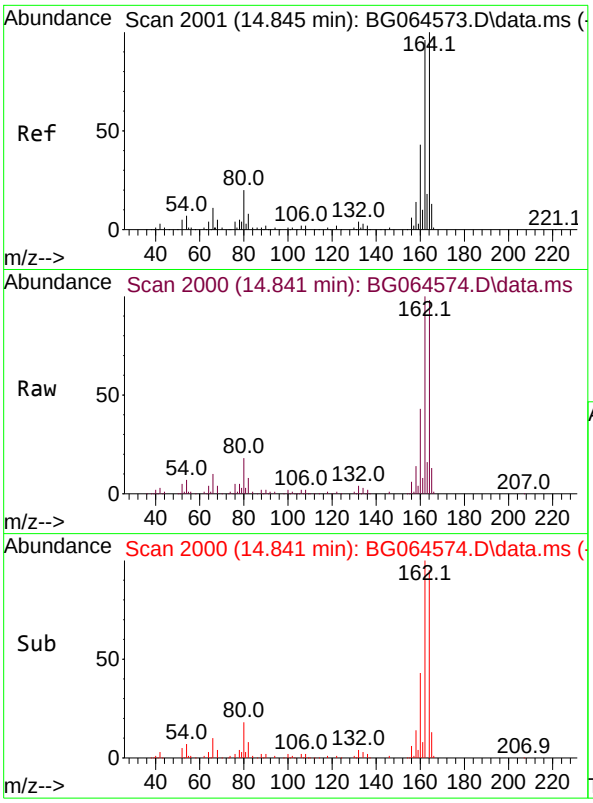


#38
1-Methylnaphthalene
Concen: 65.402 ng
RT: 12.908 min Scan# 1671
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

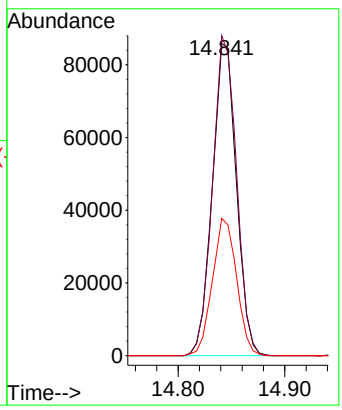




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.841 min Scan# 20
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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



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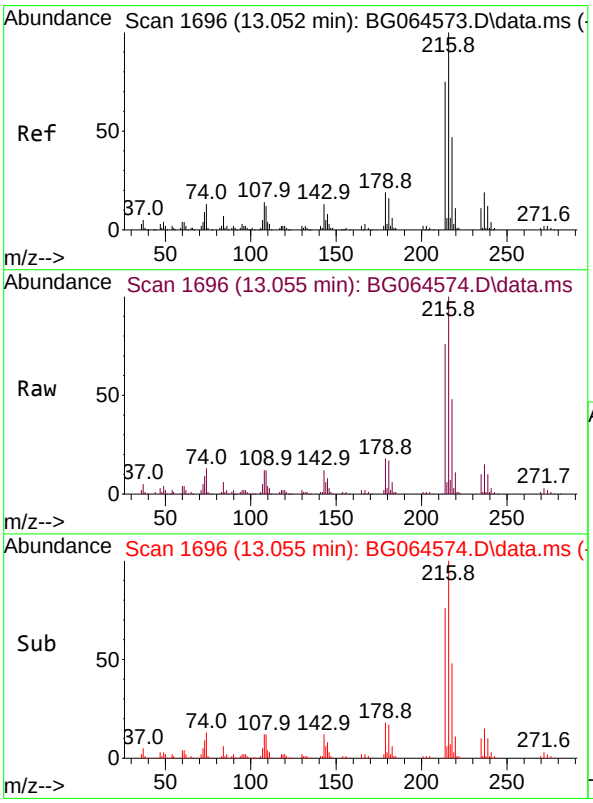
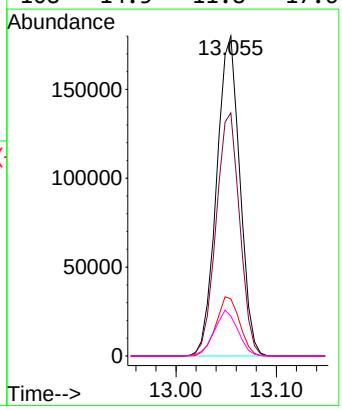
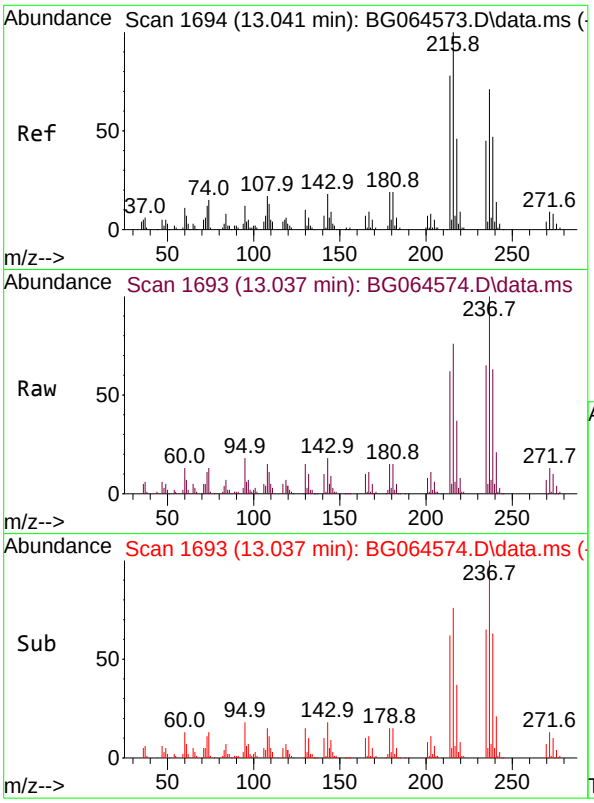


#40
1,2,4,5-Tetrachlorobenzene
Concen: 64.049 ng
RT: 13.055 min Scan# 1696
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

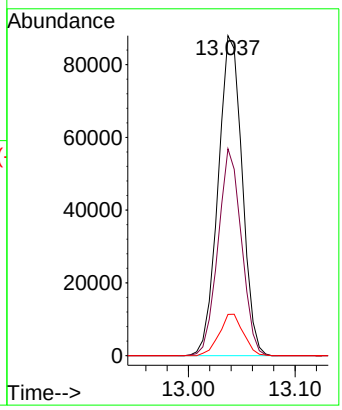




#41
Hexachlorocyclopentadiene
Concen: 67.540 ng
RT: 13.037 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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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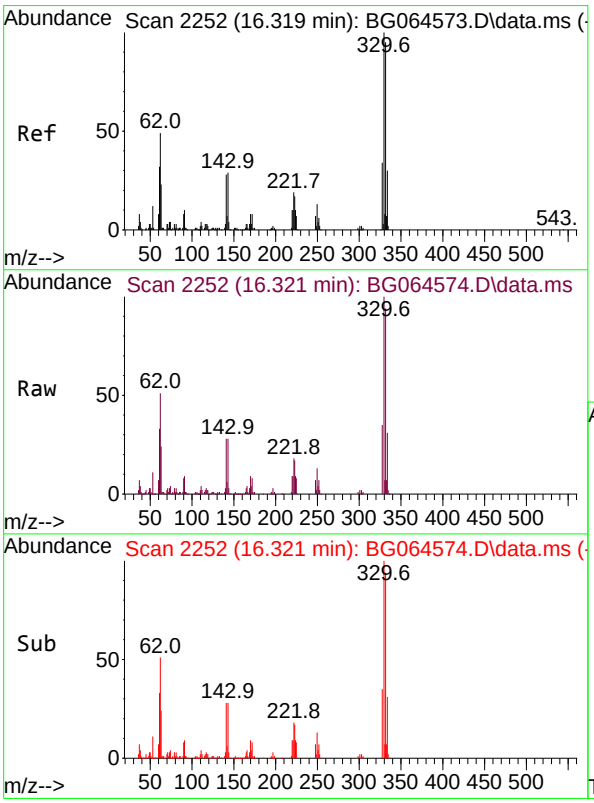
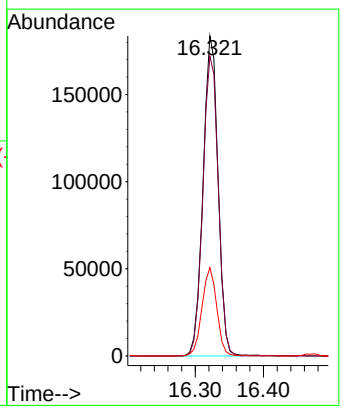
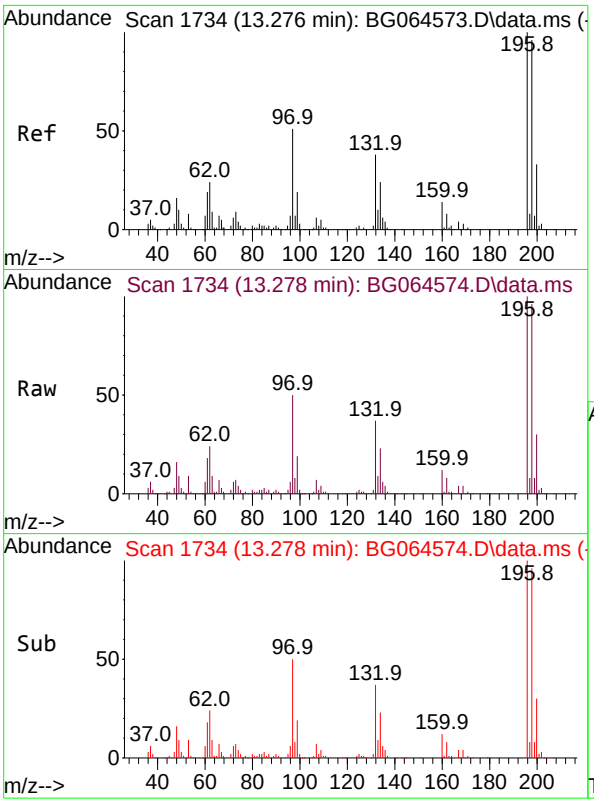


#42
2,4,6-Tribromophenol
Concen: 143.807 ng
RT: 16.321 min Scan# 2252
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

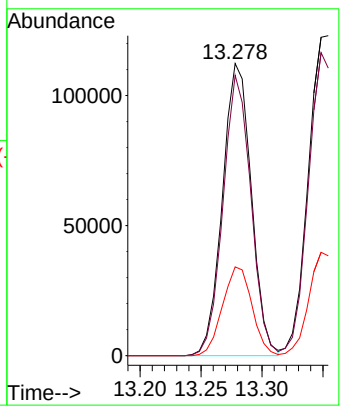




#43
2,4,6-Trichlorophenol
Concen: 71.299 ng
RT: 13.278 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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 :
SSTDICC060

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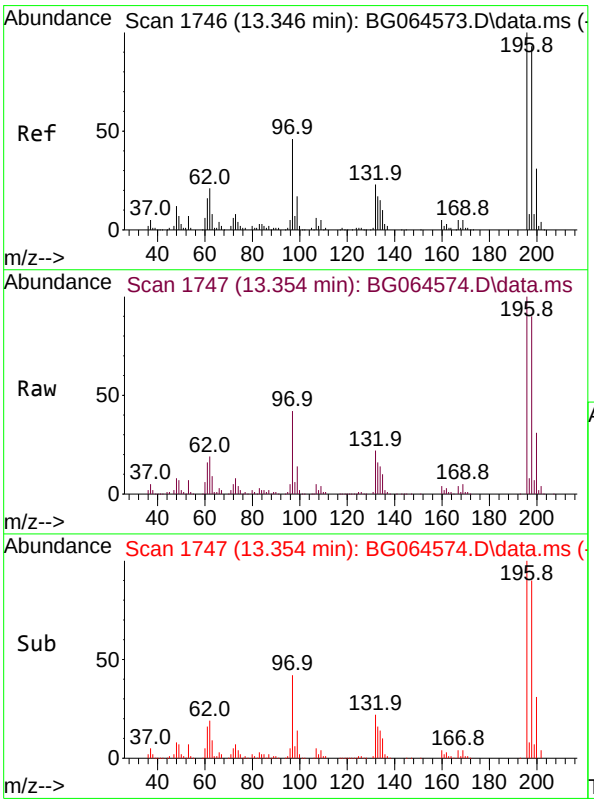
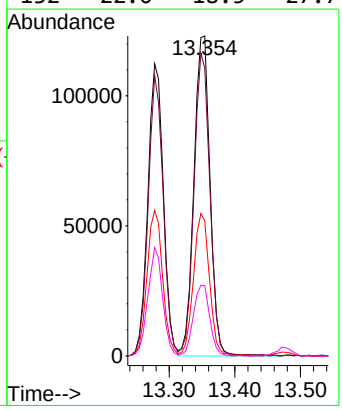
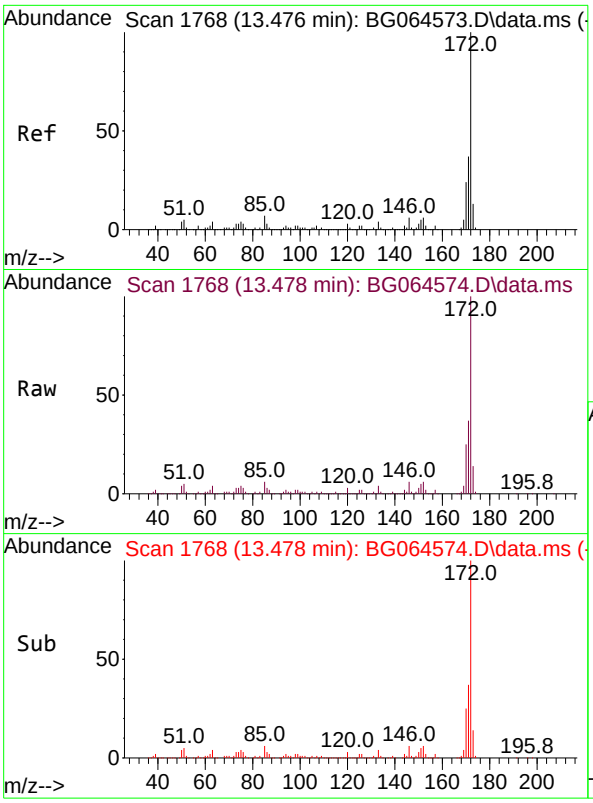


#44
2,4,5-Trichlorophenol
Concen: 69.994 ng
RT: 13.354 min Scan# 1747
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

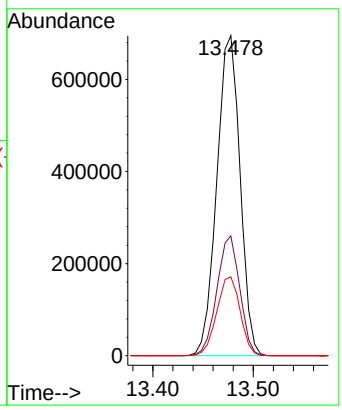




#45
2-Fluorobiphenyl
Concen: 125.867 ng
RT: 13.478 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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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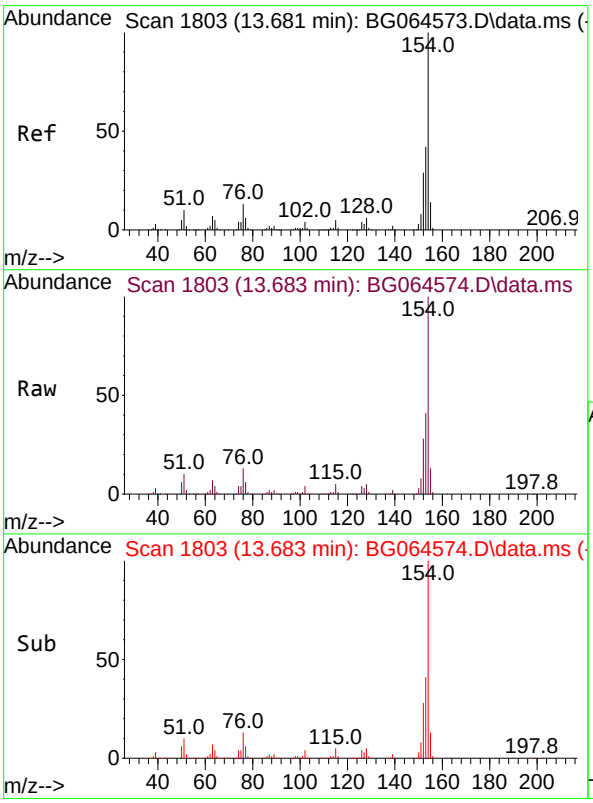
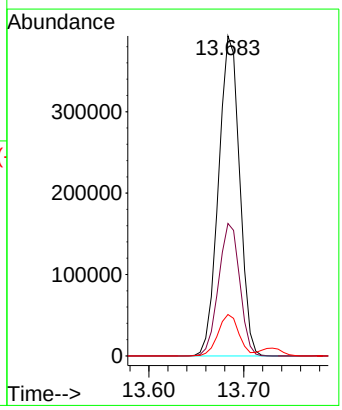
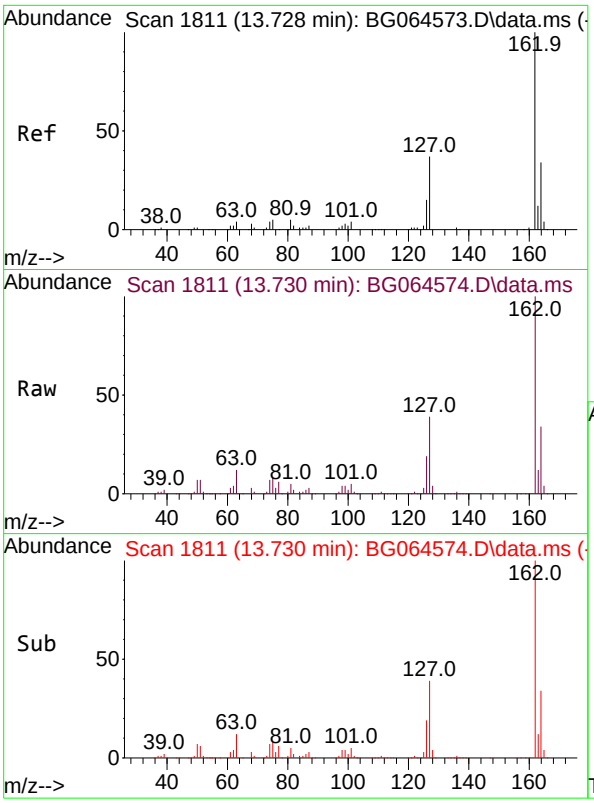


#46
1,1'-Biphenyl
Concen: 63.233 ng
RT: 13.683 min Scan# 1803
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

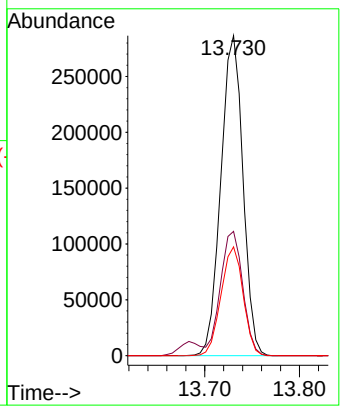




#47
2-Chloronaphthalene
Concen: 64.022 ng
RT: 13.730 min Scan# 18
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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 :
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ClientSampleId :
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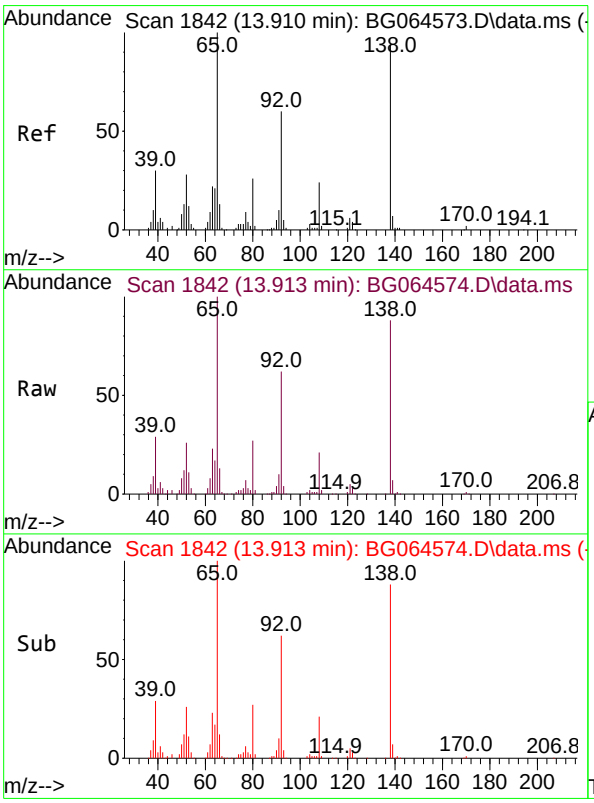
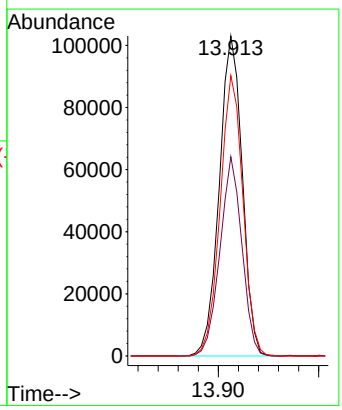
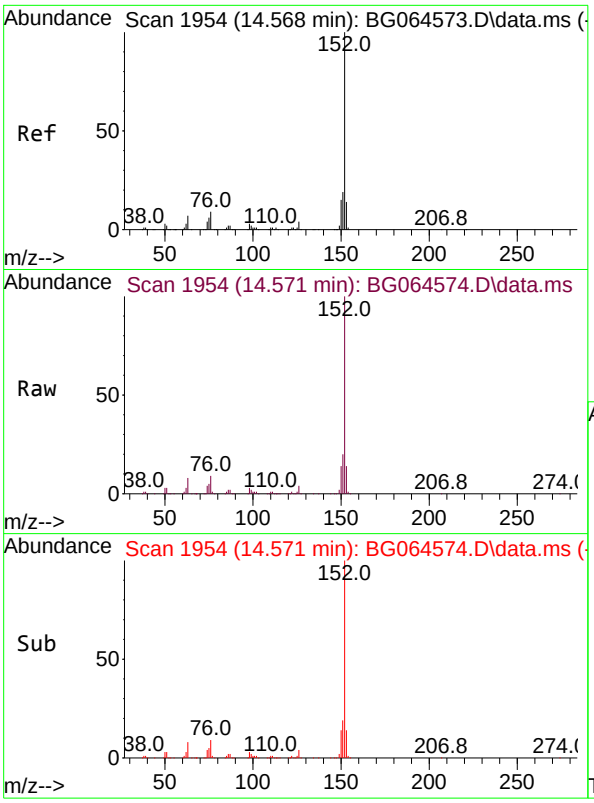


#48
2-Nitroaniline
Concen: 66.052 ng
RT: 13.913 min Scan# 1842
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

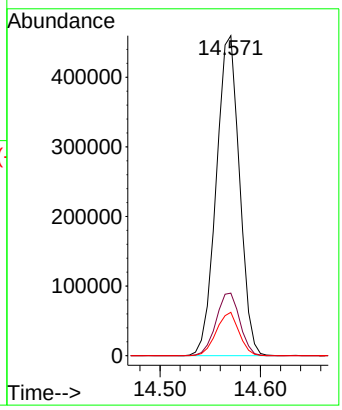




#49
Acenaphthylene
Concen: 64.738 ng
RT: 14.571 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:152 Resp: 73972

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.2
153	13.5	11.0	16.4



Instrument :
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ClientSampleId :
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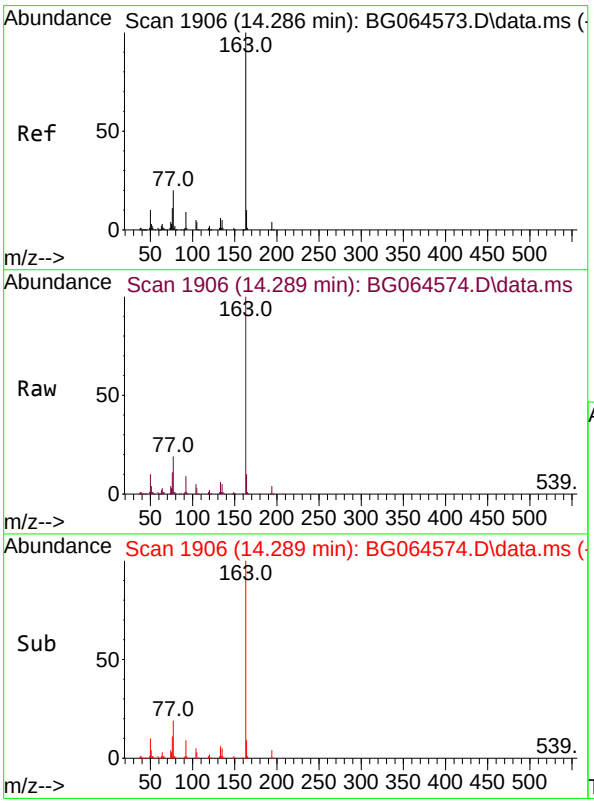
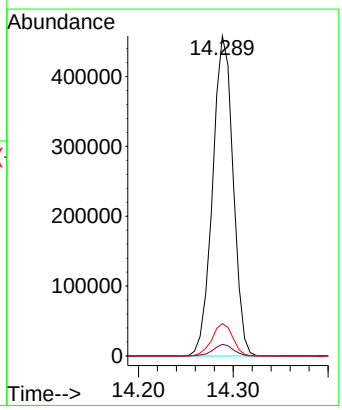
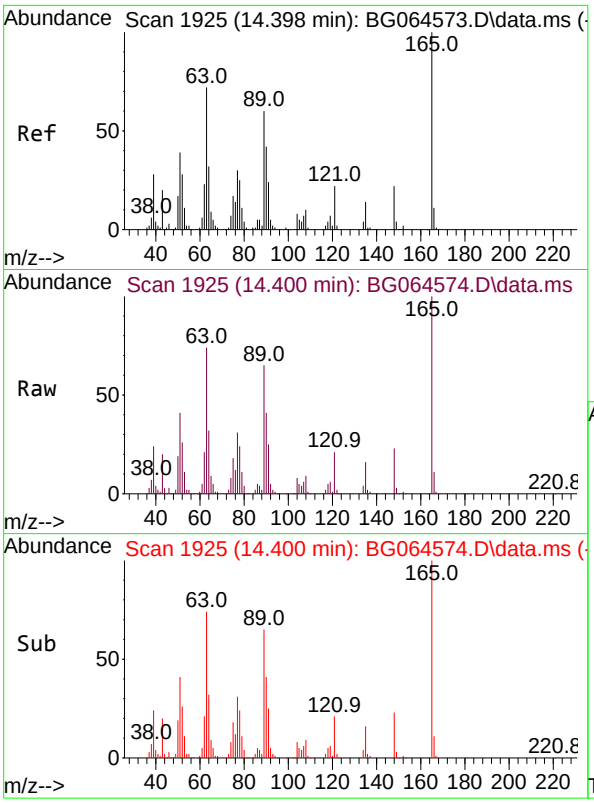


#50
Dimethylphthalate
Concen: 66.616 ng
RT: 14.289 min Scan# 1906
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

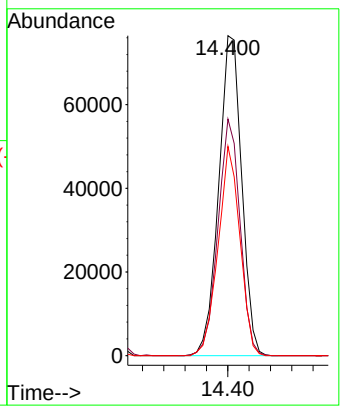




#51
2,6-Dinitrotoluene
Concen: 65.951 ng
RT: 14.400 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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 :
BNA_G
ClientSampleId :
SSTDICC060

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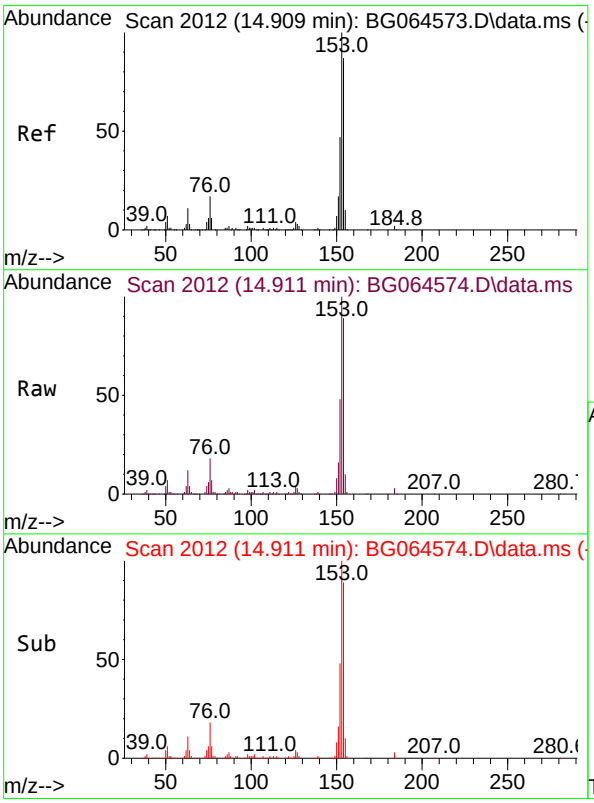
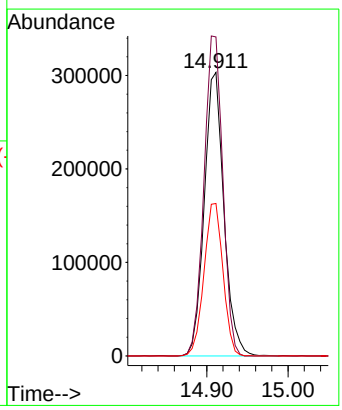
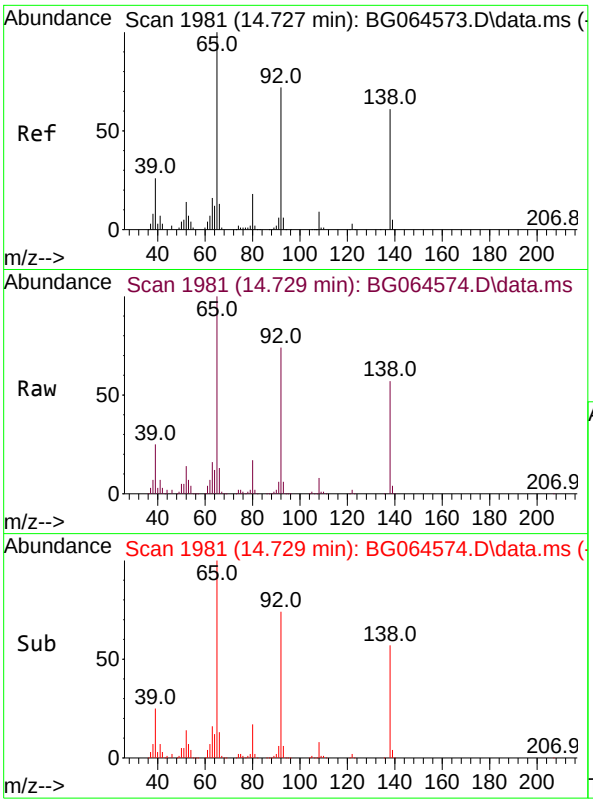


#52
Acenaphthene
Concen: 65.392 ng
RT: 14.911 min Scan# 2012
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

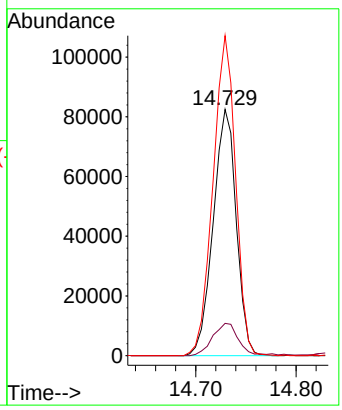




#53
3-Nitroaniline
Concen: 74.231 ng
RT: 14.729 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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 :
BNA_G
ClientSampleId :
SSTDICC060

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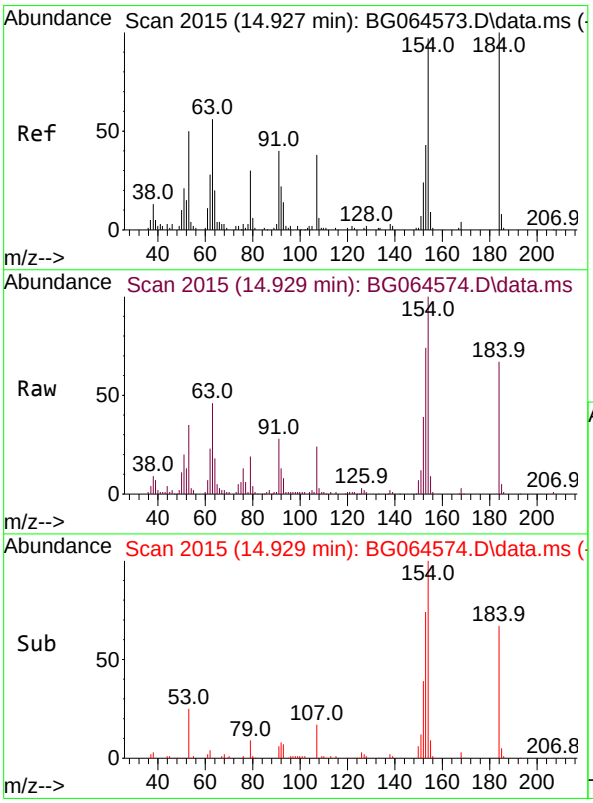
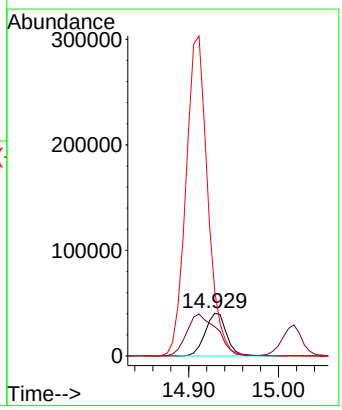
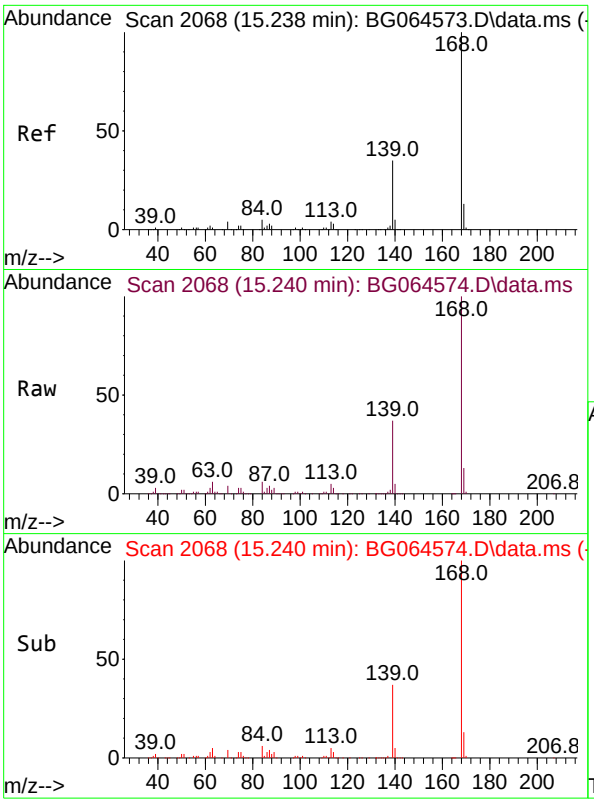


#54
2,4-Dinitrophenol
Concen: 65.082 ng
RT: 14.929 min Scan# 2015
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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#

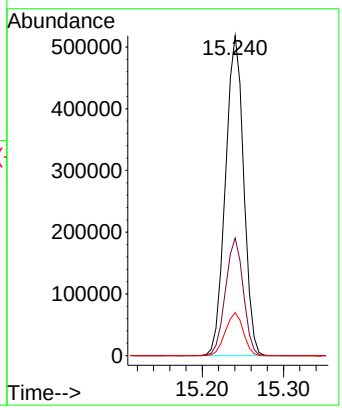




#55
Dibenzofuran
Concen: 63.779 ng
RT: 15.240 min Scan# 20
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:168 Resp: 804964

Ion	Ratio	Lower	Upper
168	100		
139	36.7	27.8	41.8
169	13.4	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
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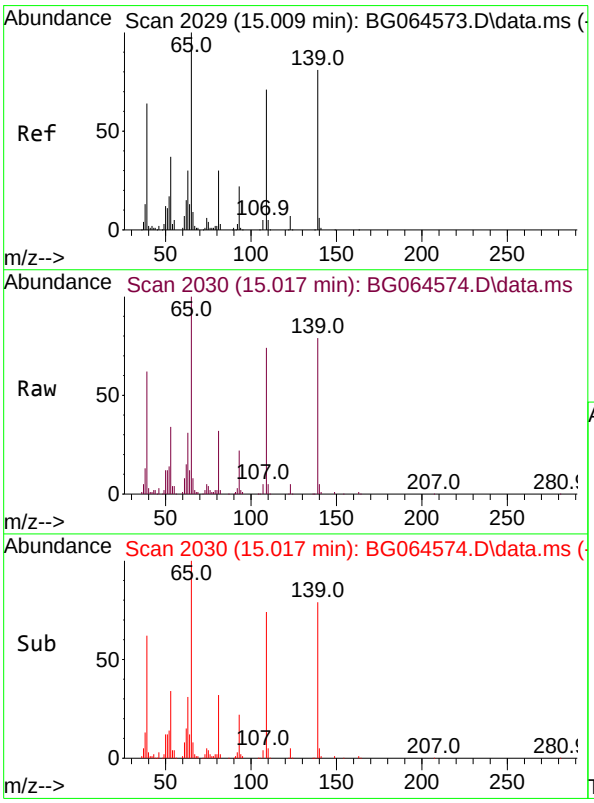
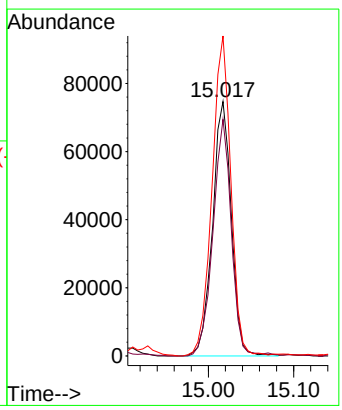
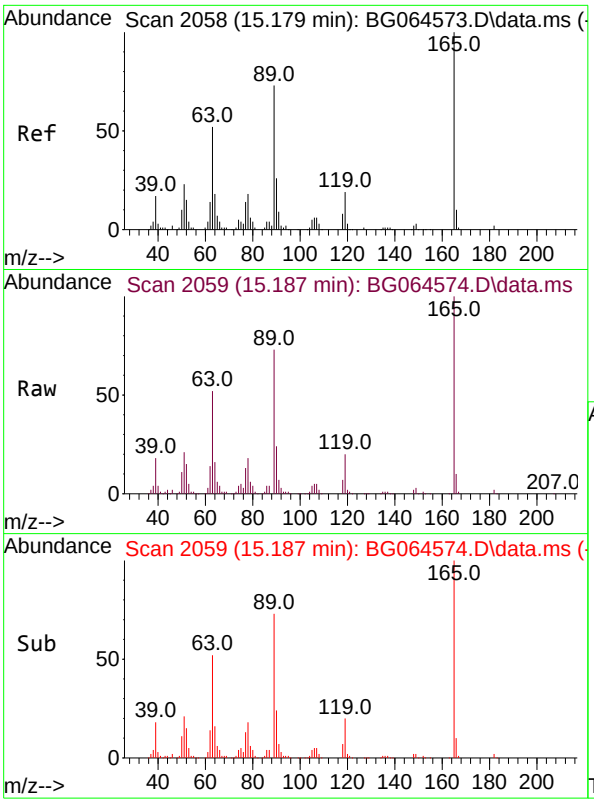


#56
4-Nitrophenol
Concen: 69.512 ng
RT: 15.017 min Scan# 2030
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

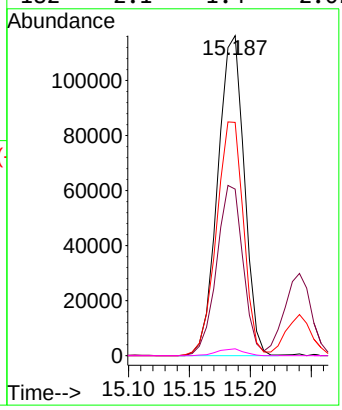




#57
2,4-Dinitrotoluene
Concen: 65.522 ng
RT: 15.187 min Scan# 2
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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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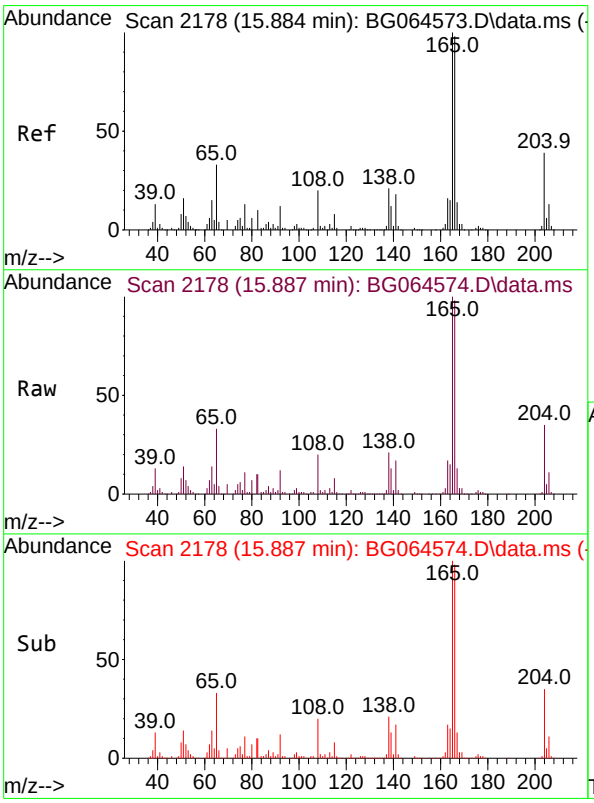
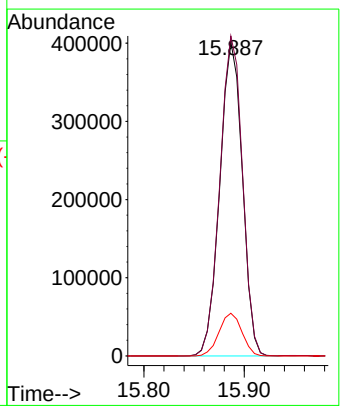
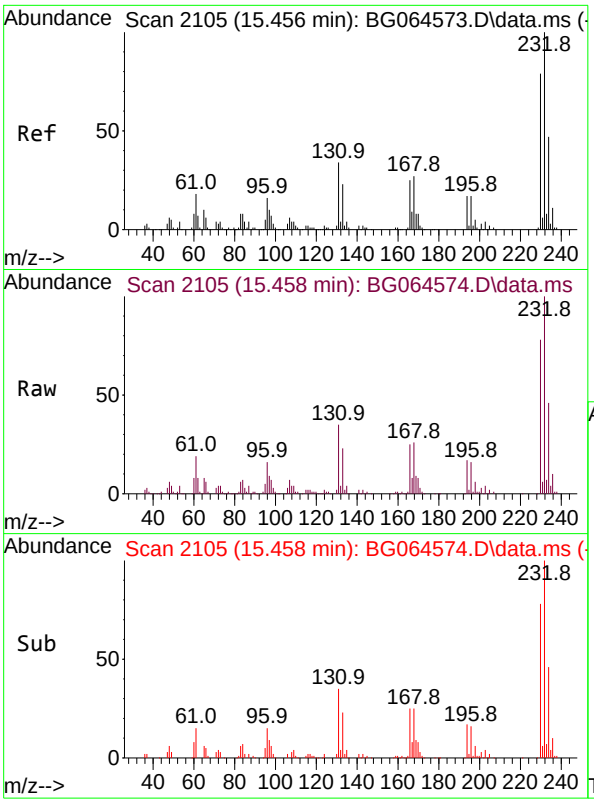


#58
Fluorene
Concen: 63.656 ng
RT: 15.887 min Scan# 2178
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

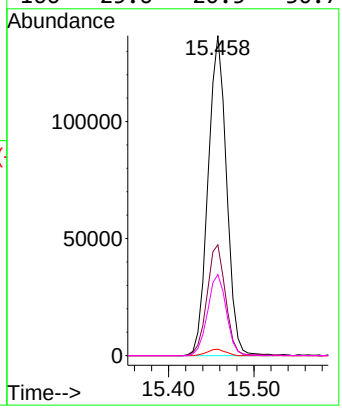




#59
2,3,4,6-Tetrachlorophenol
Concen: 71.870 ng
RT: 15.458 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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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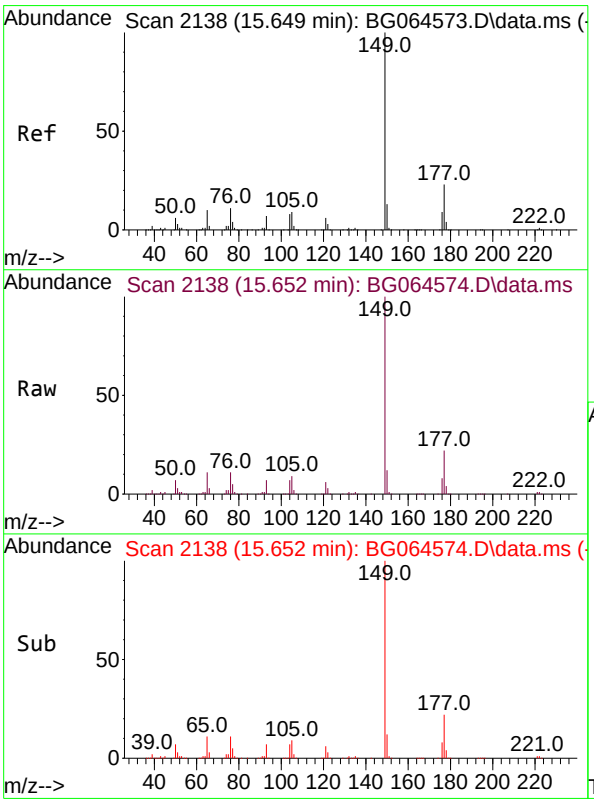
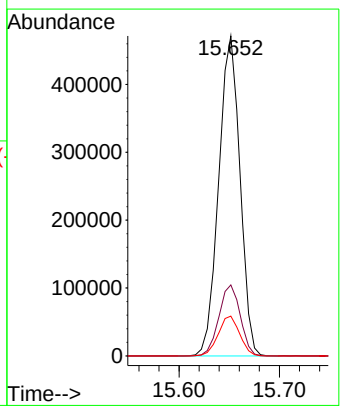
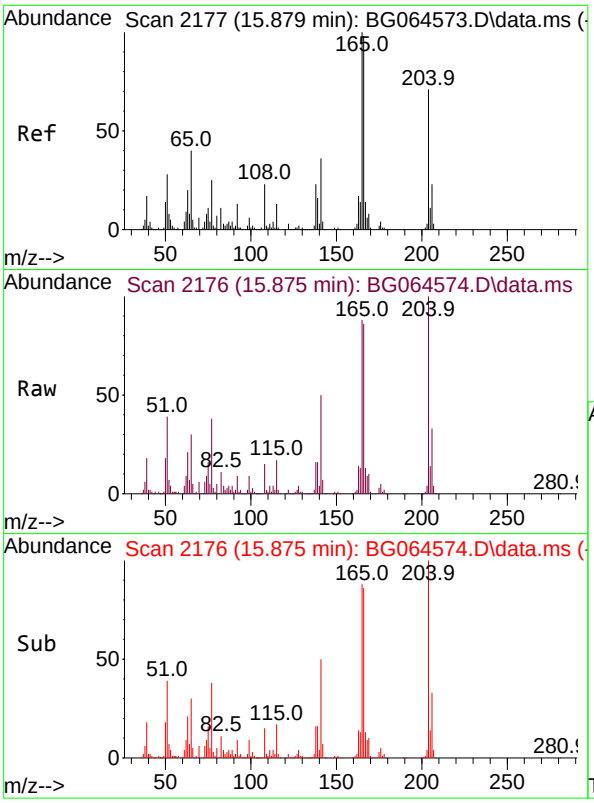


#60
Diethylphthalate
Concen: 65.982 ng
RT: 15.652 min Scan# 2138
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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. -0.004 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 :
SSTDICC060

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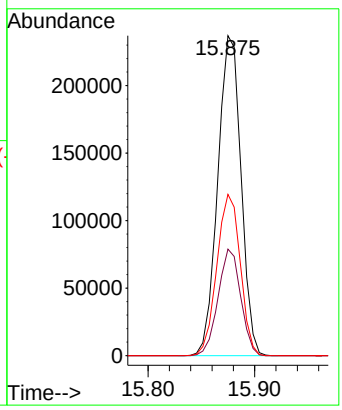
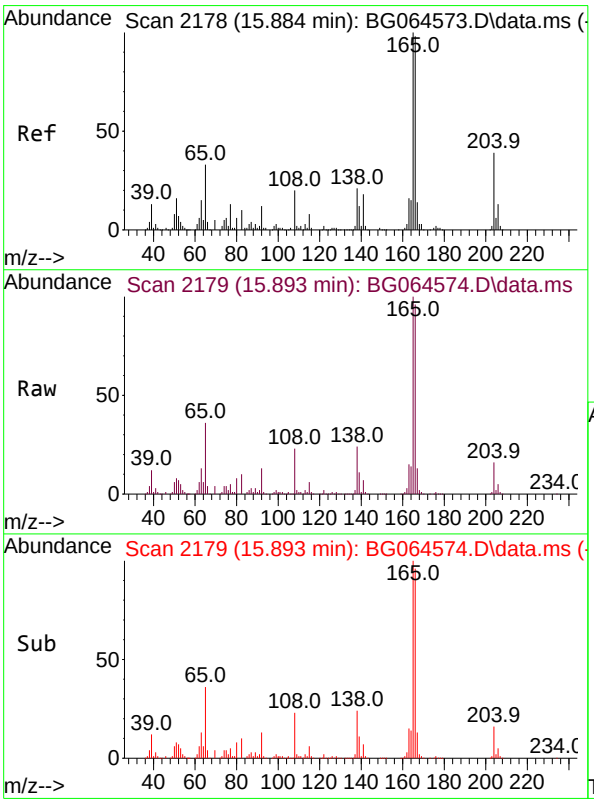
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

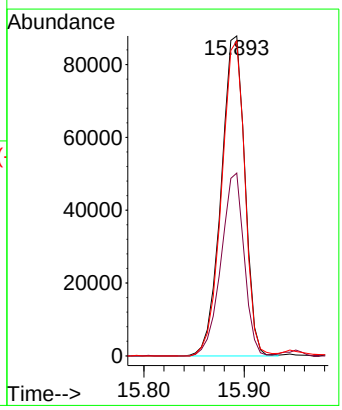


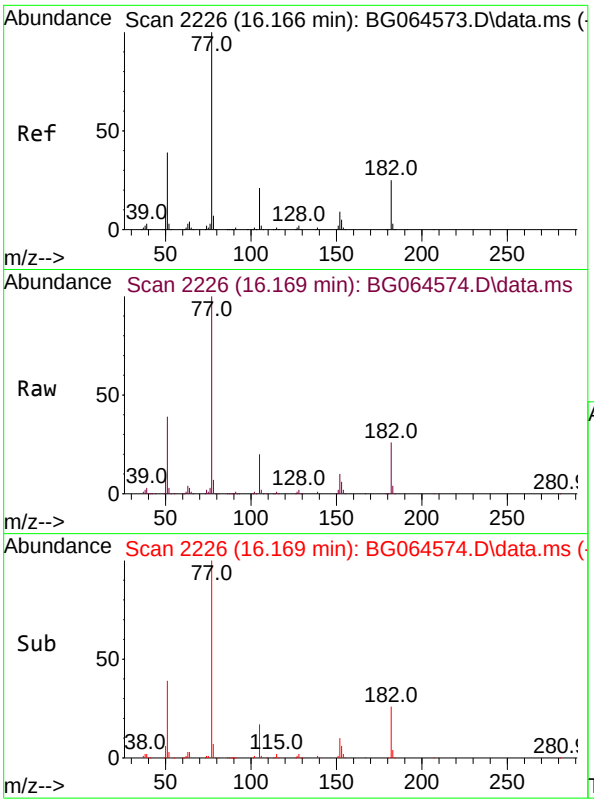


#62
4-Nitroaniline
Concen: 72.832 ng
RT: 15.893 min Scan# 2179
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

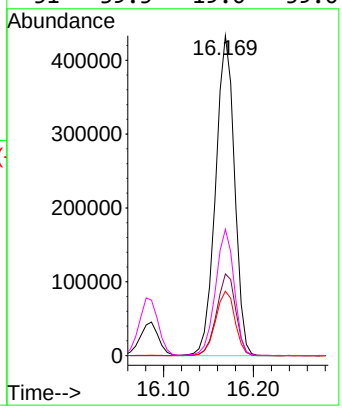




#63
Azobenzene
Concen: 65.464 ng
RT: 16.169 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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 :
BNA_G
ClientSampleId :
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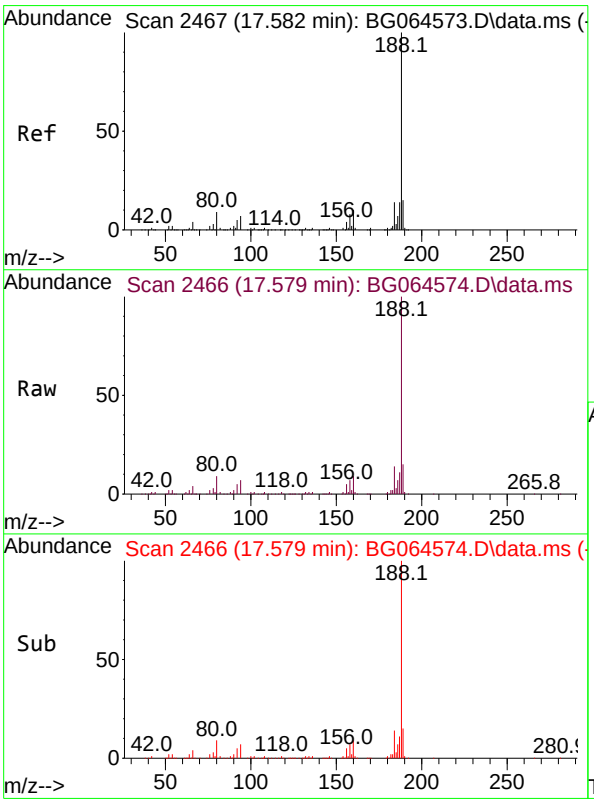
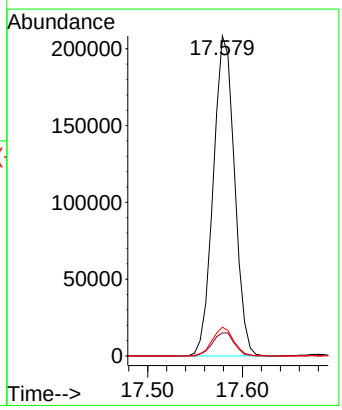
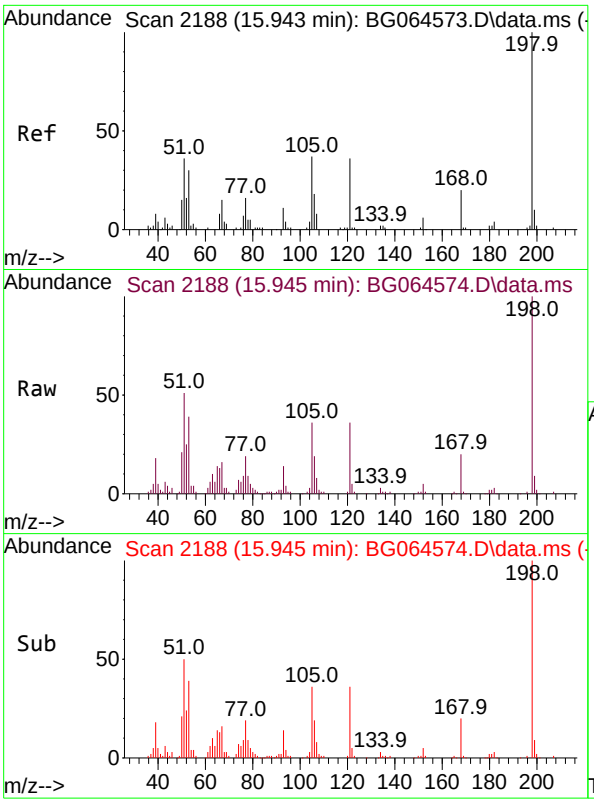


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.579 min Scan# 2466
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

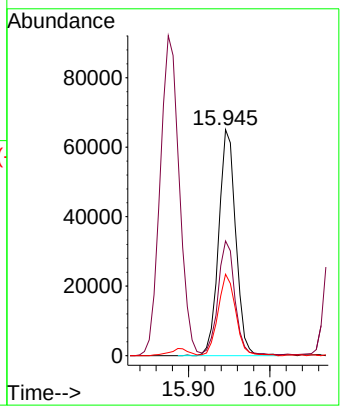




#65
4,6-Dinitro-2-methylphenol
Concen: 64.046 ng
RT: 15.945 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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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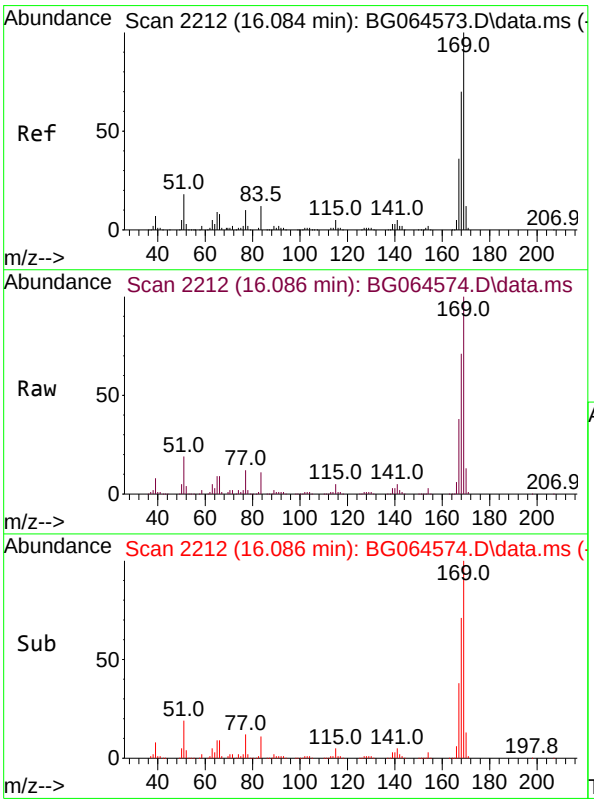
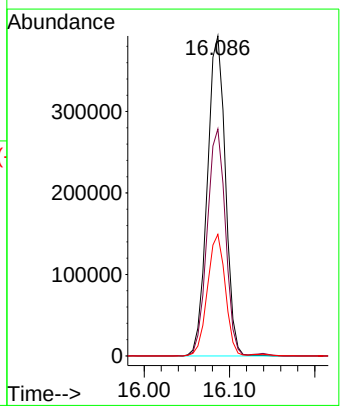
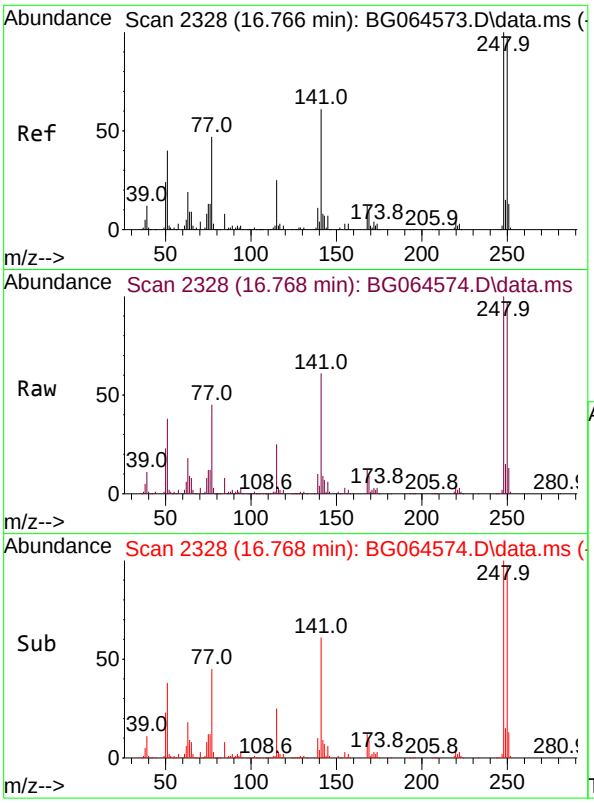


#66
n-Nitrosodiphenylamine
Concen: 65.944 ng
RT: 16.086 min Scan# 2212
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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. 0.002 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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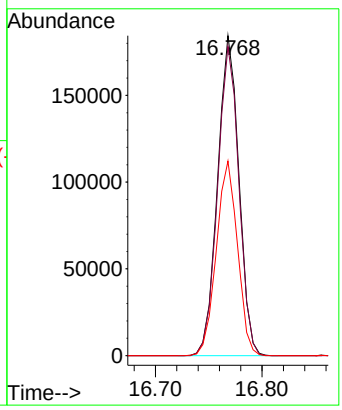
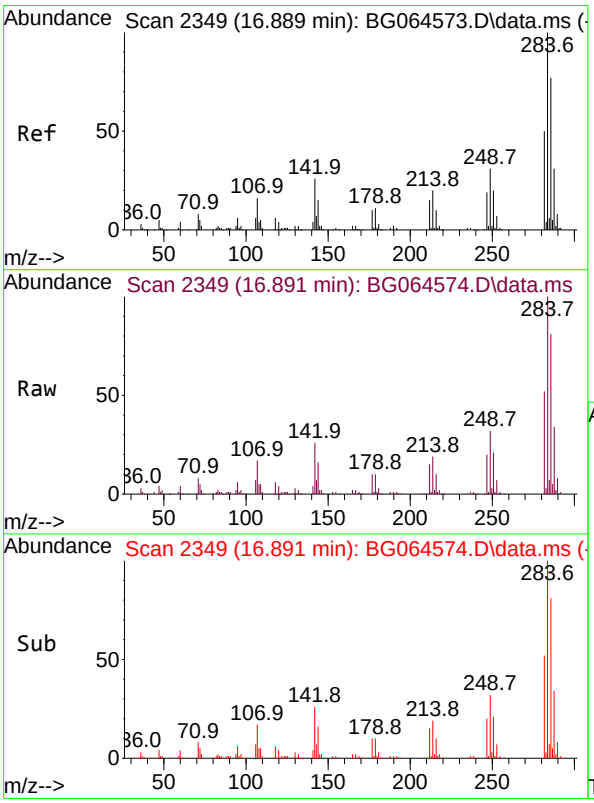
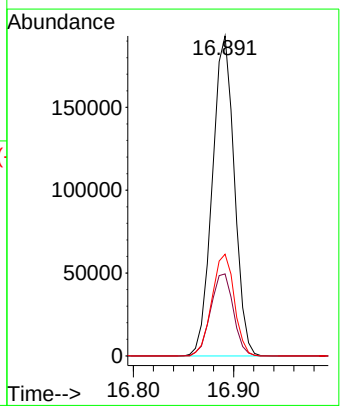


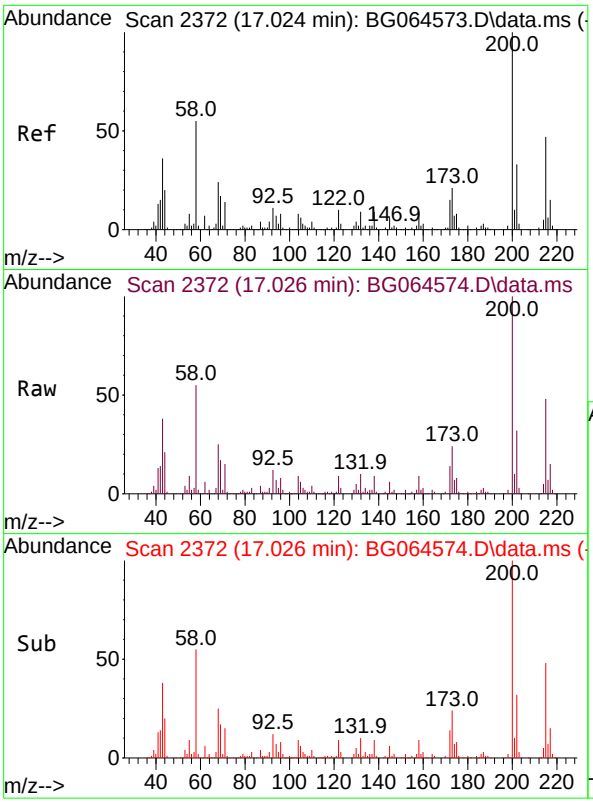


#68
Hexachlorobenzene
Concen: 67.001 ng
RT: 16.891 min Scan# 2349
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

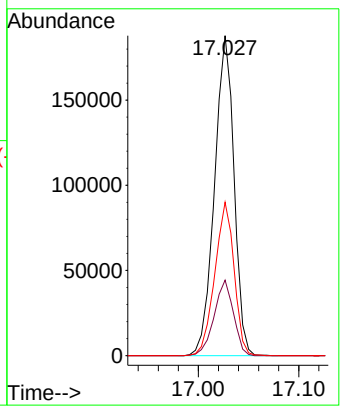




#69
Atrazine
Concen: 67.378 ng
RT: 17.026 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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 :
BNA_G
ClientSampleId :
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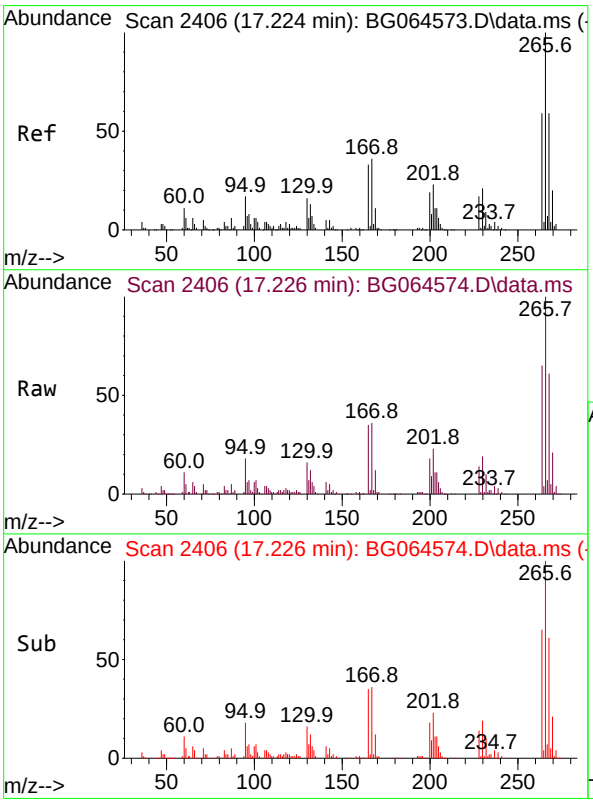
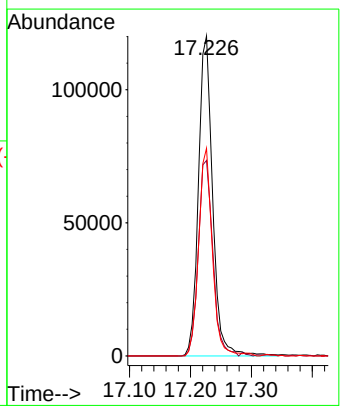
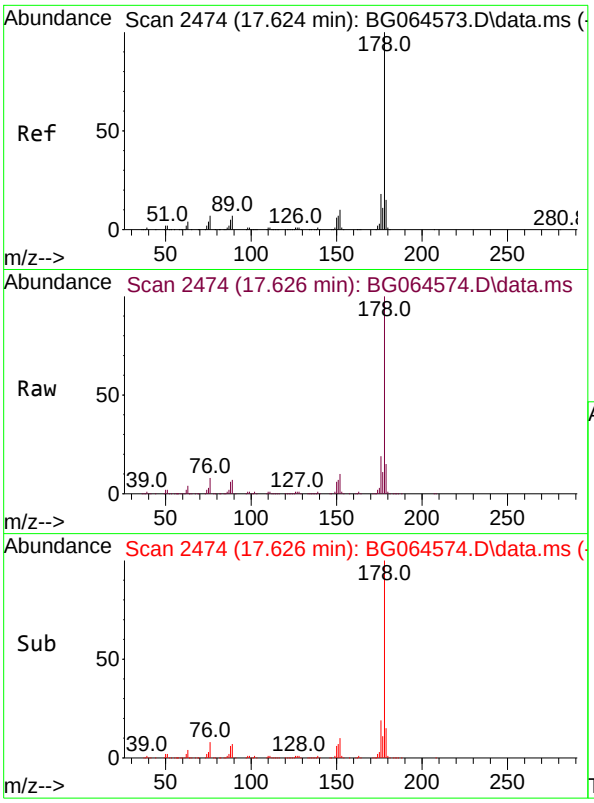


#70
Pentachlorophenol
Concen: 70.923 ng
RT: 17.226 min Scan# 2406
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

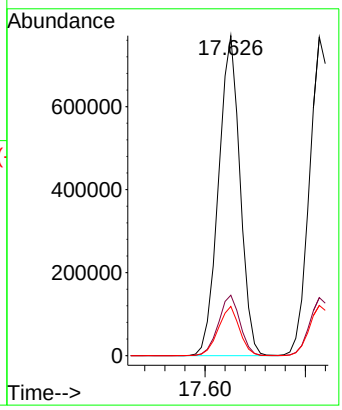




#71
Phenanthrene
Concen: 64.676 ng
RT: 17.626 min Scan# 24
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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 :
BNA_G
ClientSampleId :
SSTDICC060

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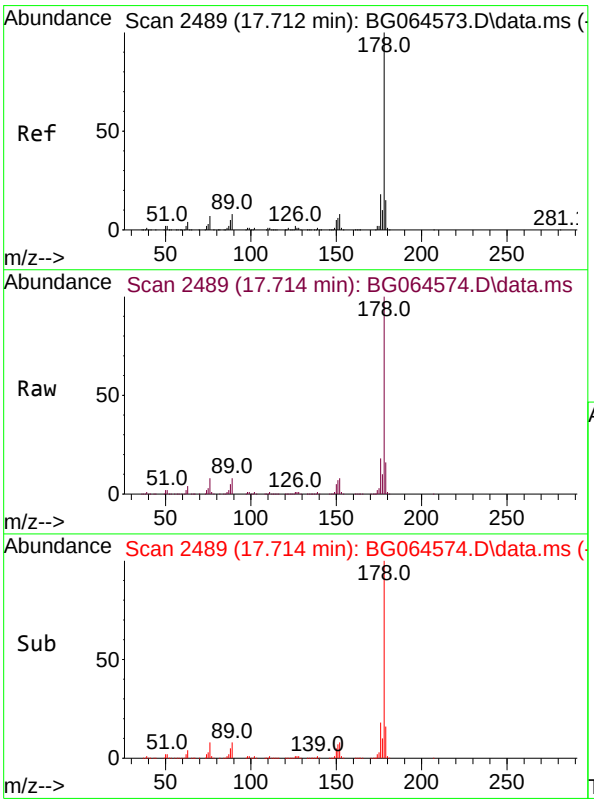
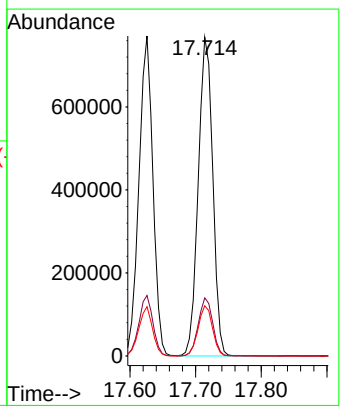
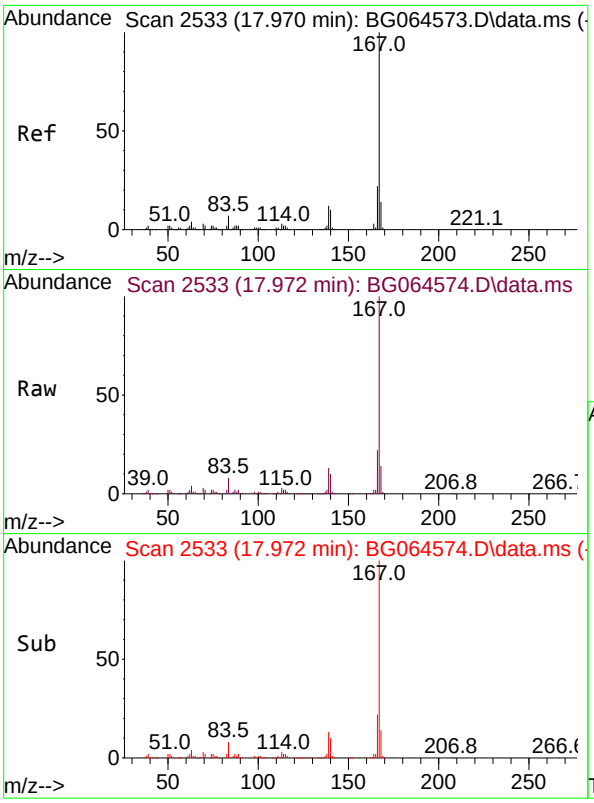


#72
Anthracene
Concen: 64.905 ng
RT: 17.714 min Scan# 2489
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

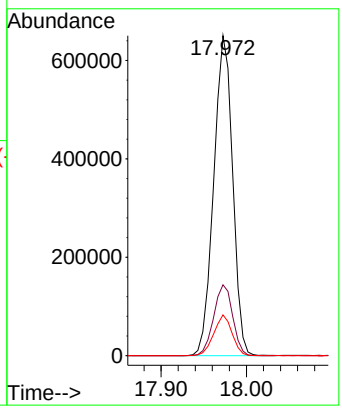




#73
Carbazole
Concen: 62.887 ng
RT: 17.972 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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 :
BNA_G
ClientSampleId :
SSTDICC060

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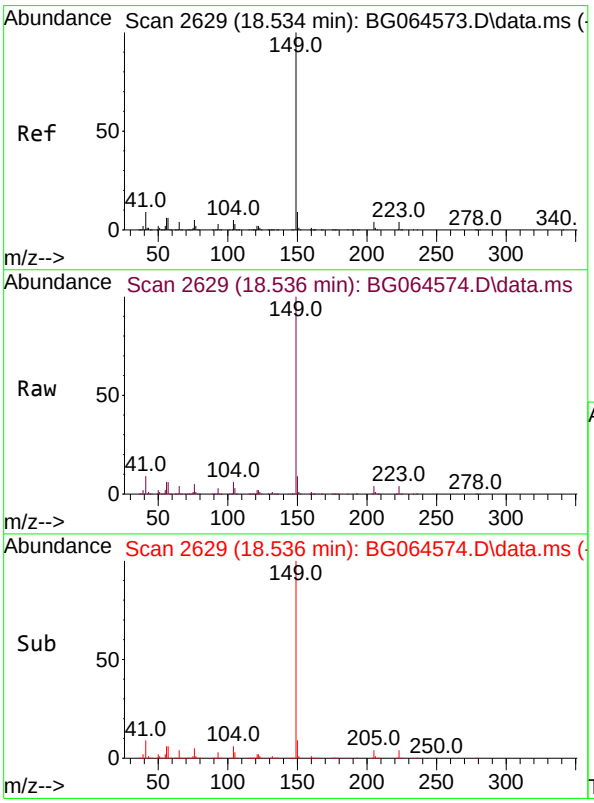
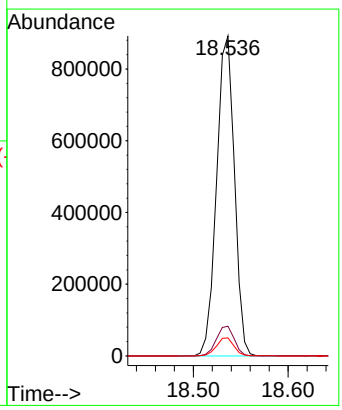
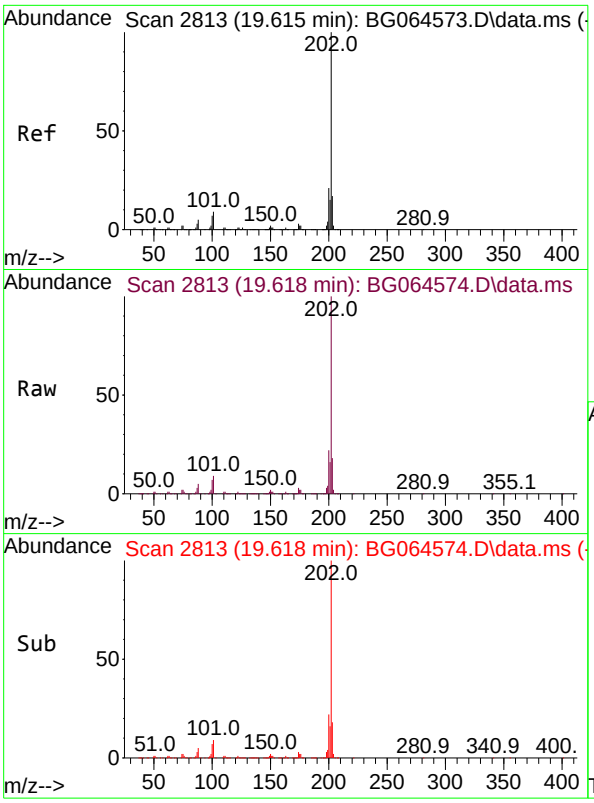


#74
Di-n-butylphthalate
Concen: 63.334 ng
RT: 18.536 min Scan# 2629
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

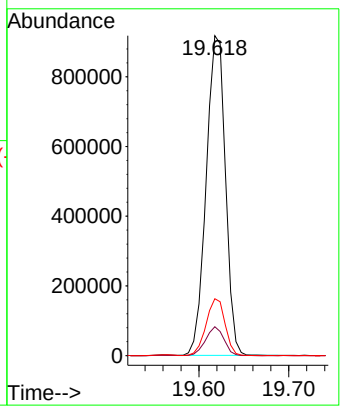




#75
Fluoranthene
Concen: 61.419 ng
RT: 19.618 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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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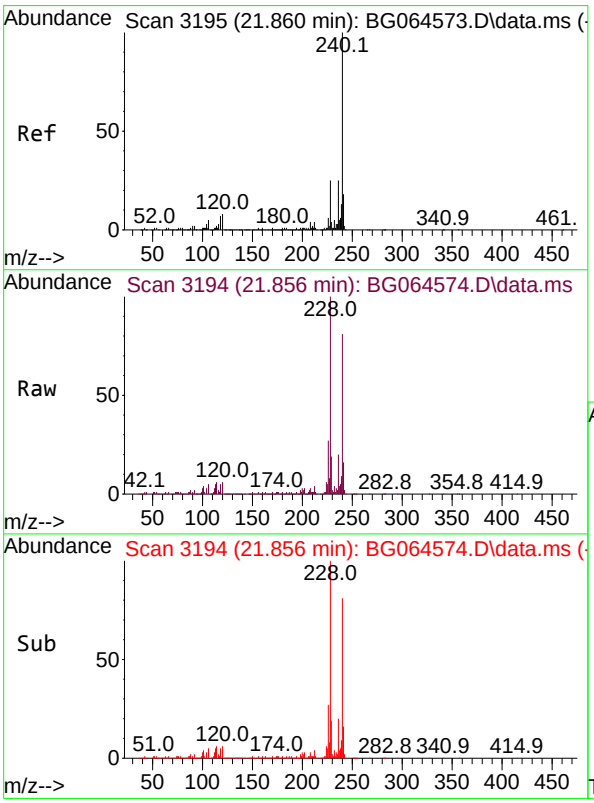
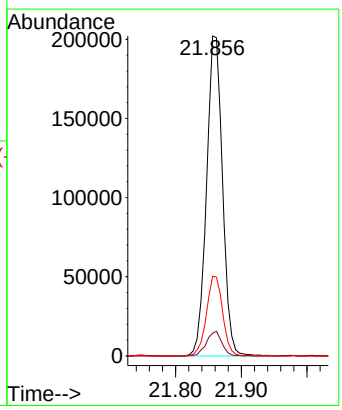
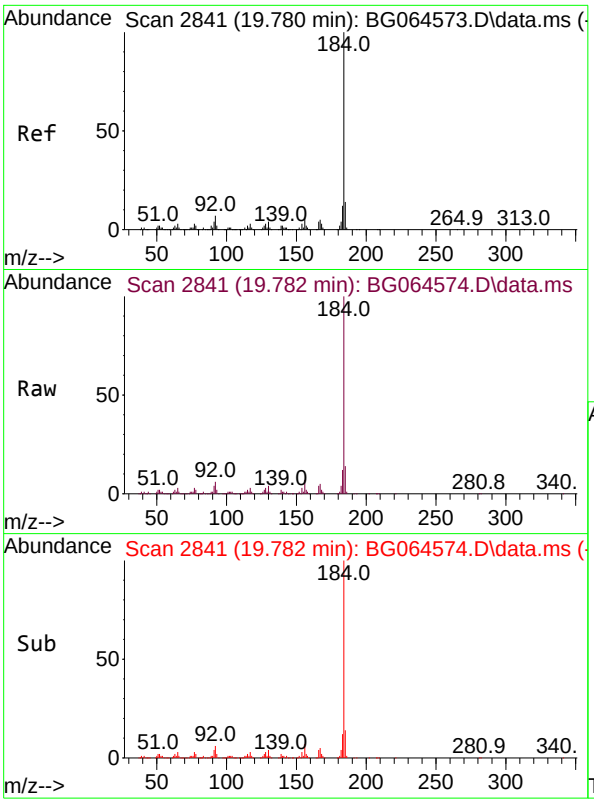


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.856 min Scan# 3194
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

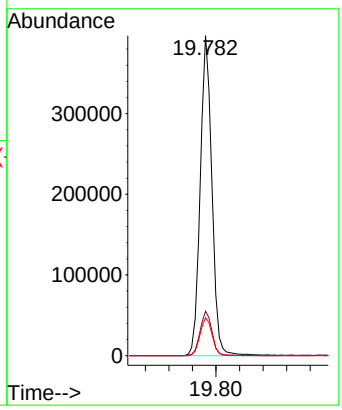




#77
Benzidine
Concen: 71.348 ng
RT: 19.782 min Scan# 28
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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 :
SSTDICC060

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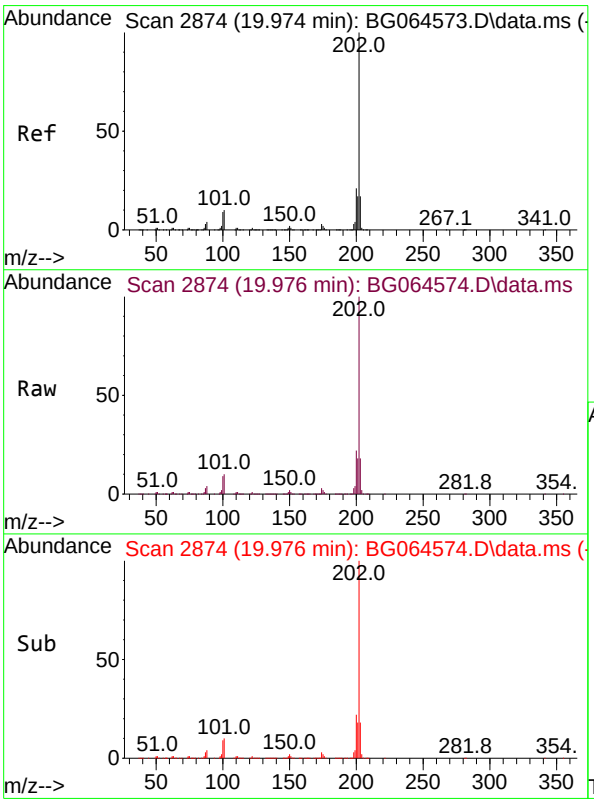
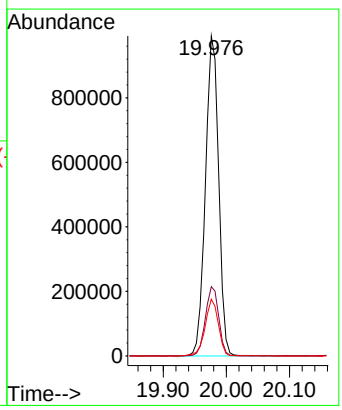
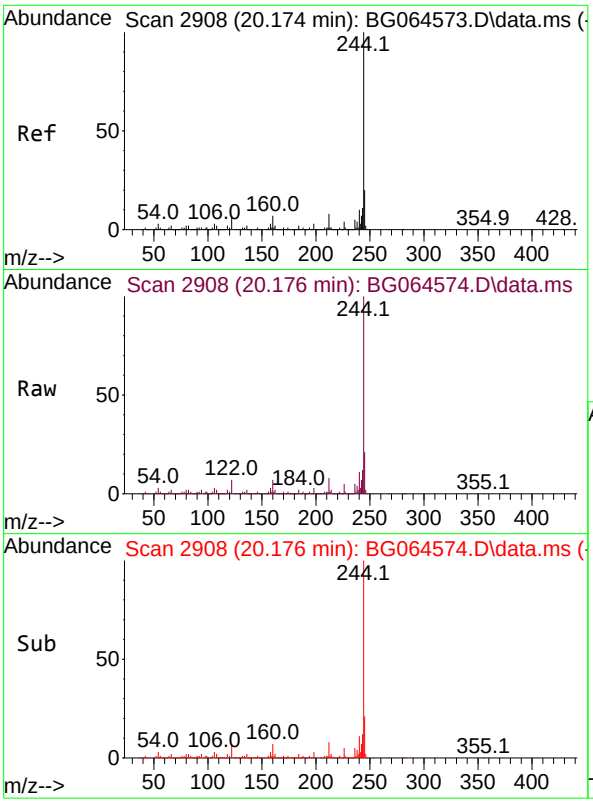


#78
Pyrene
Concen: 64.549 ng
RT: 19.976 min Scan# 2874
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

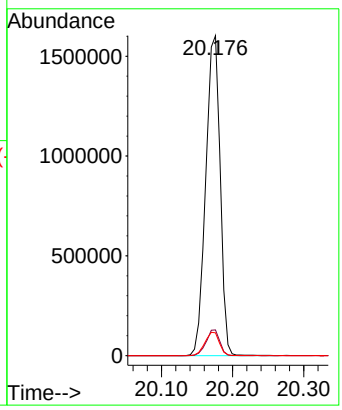




#79
Terphenyl-d14
Concen: 124.763 ng
RT: 20.176 min Scan# 29
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:244 Resp: 225370

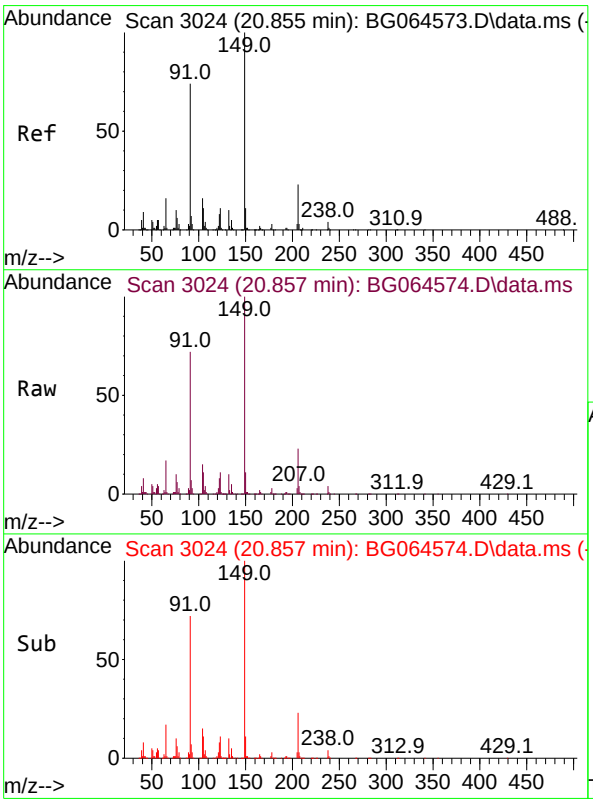
Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.1	9.1
122	7.1	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

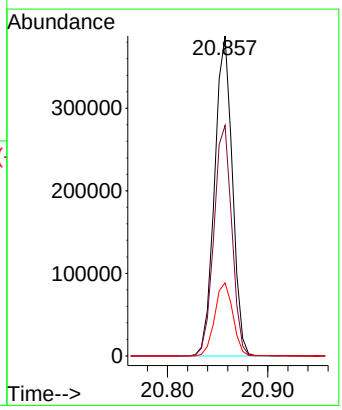
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

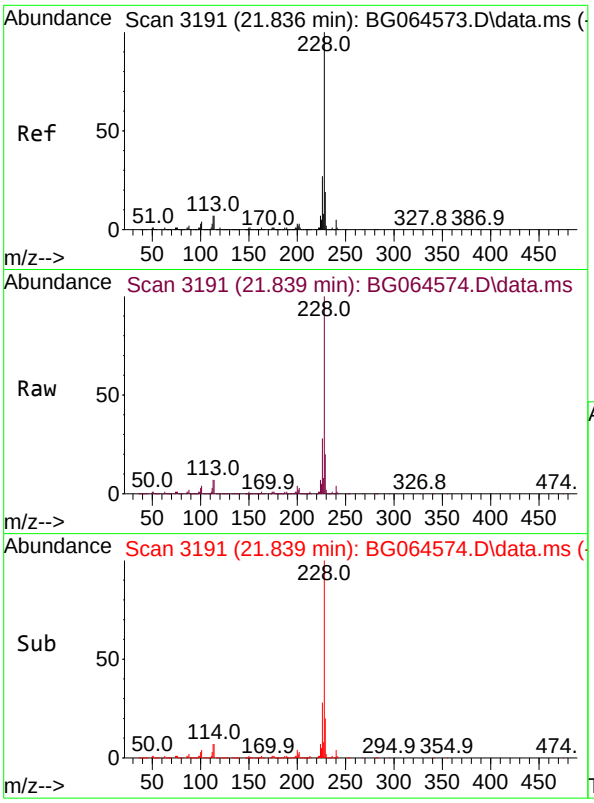


#80
Butylbenzylphthalate
Concen: 70.914 ng
RT: 20.857 min Scan# 3024
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

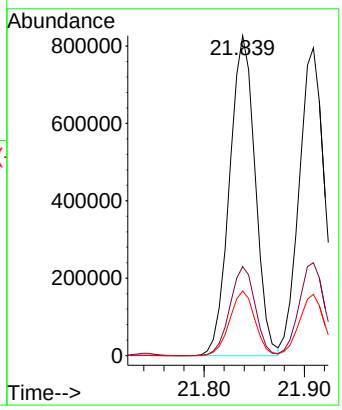




#81
Benzo(a)anthracene
Concen: 64.702 ng
RT: 21.839 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:228 Resp: 146248

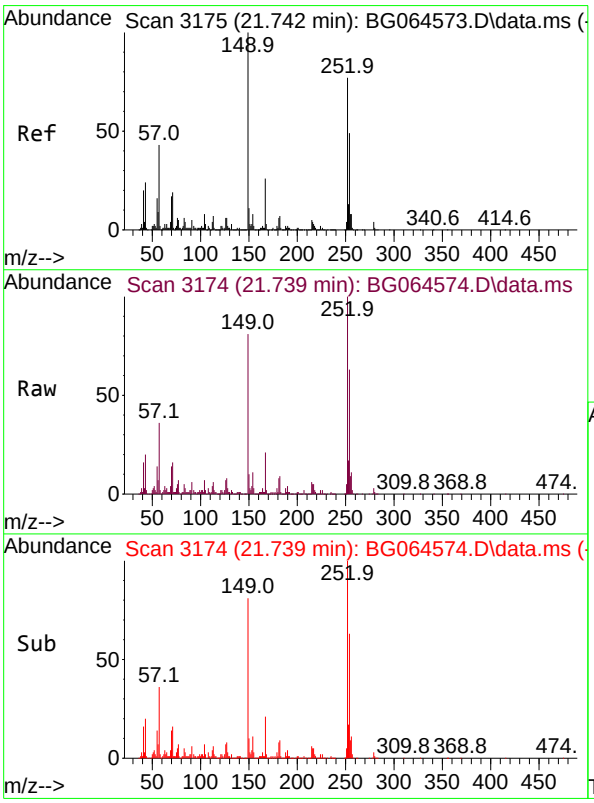
Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.9	32.9
229	20.2	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

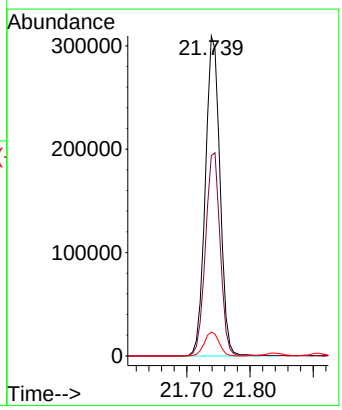
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

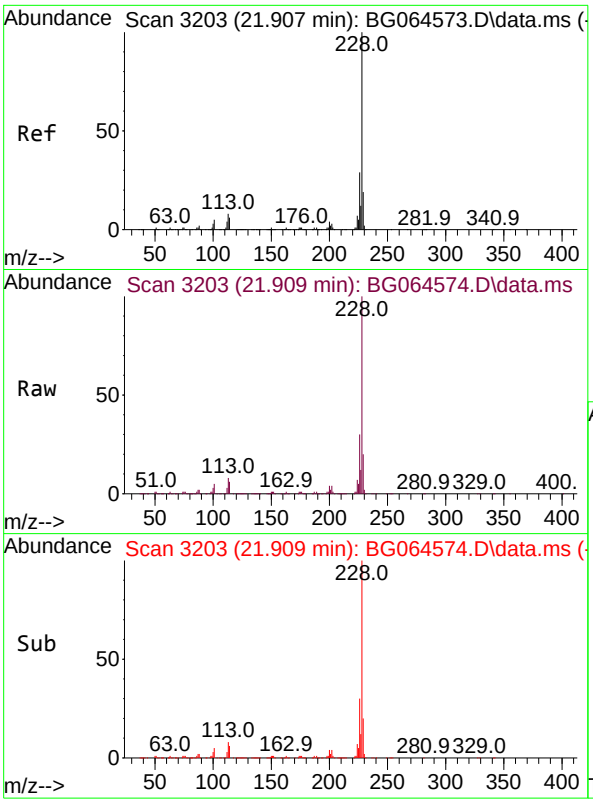


#82
3,3'-Dichlorobenzidine
Concen: 65.868 ng
RT: 21.739 min Scan# 3174
Delta R.T. -0.004 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

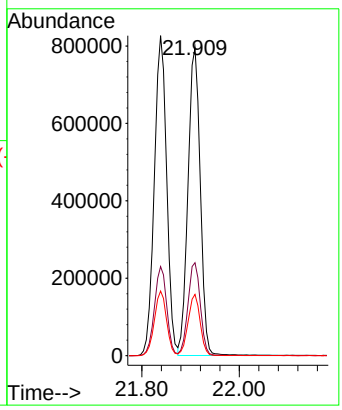




#83
Chrysene
Concen: 64.621 ng
RT: 21.909 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:228 Resp: 138982

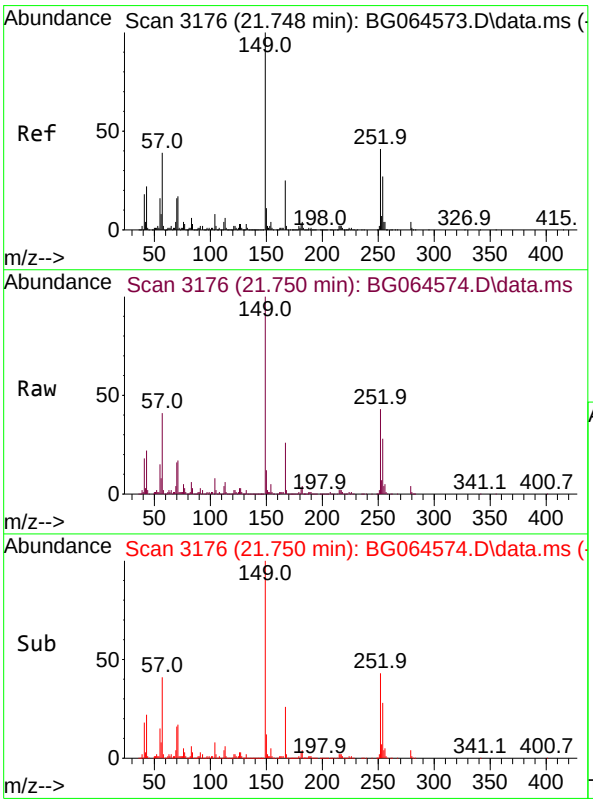
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.3	34.9
229	19.9	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

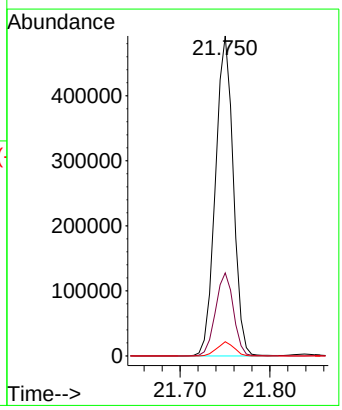
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

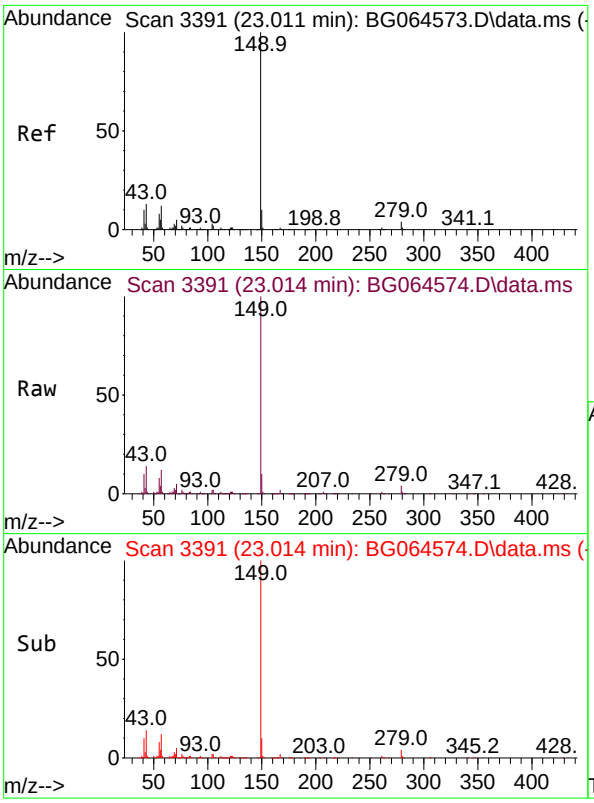


#84
Bis(2-ethylhexyl)phthalate
Concen: 67.768 ng
RT: 21.750 min Scan# 3176
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

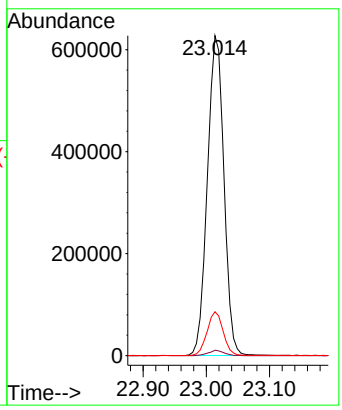
Tgt Ion:149 Resp: 114265

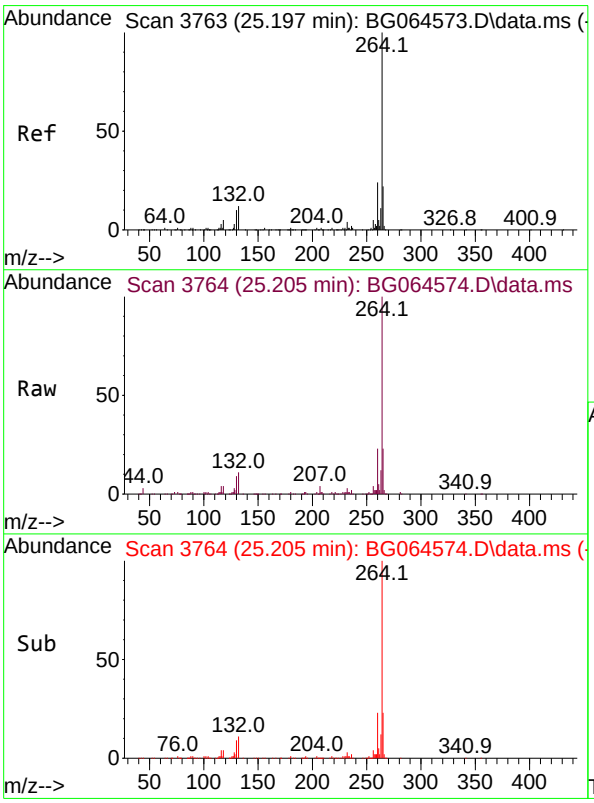
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.5	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

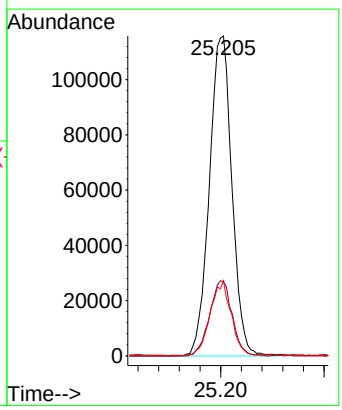


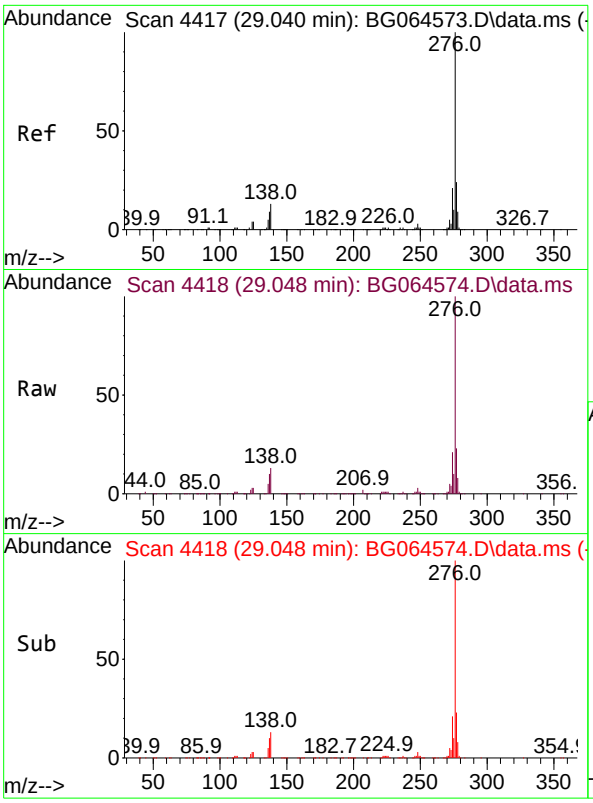


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.205 min Scan# 3764
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

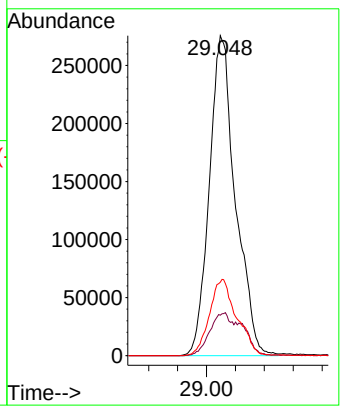




#87
Indeno(1,2,3-cd)pyrene
Concen: 66.979 ng
RT: 29.048 min Scan# 44
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:276 Resp: 172903

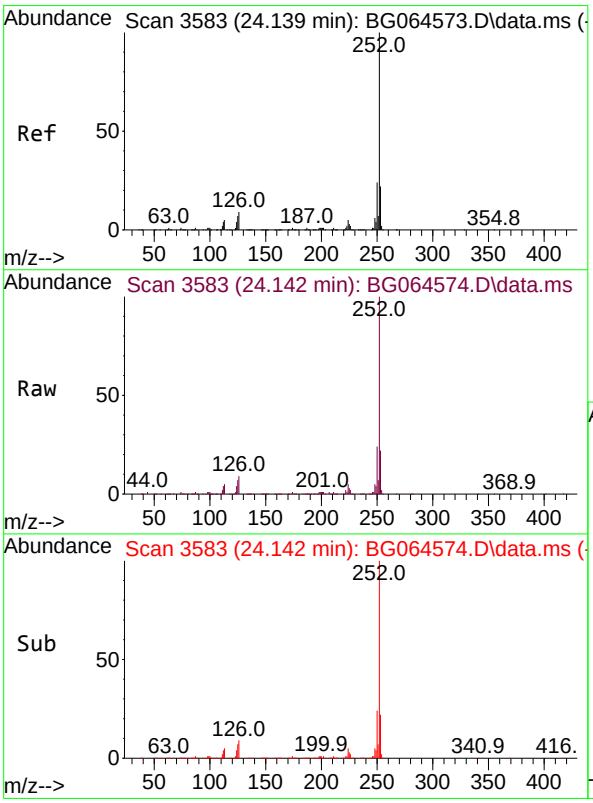
Ion	Ratio	Lower	Upper
276	100		
138	11.2	10.8	16.2
277	24.9	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

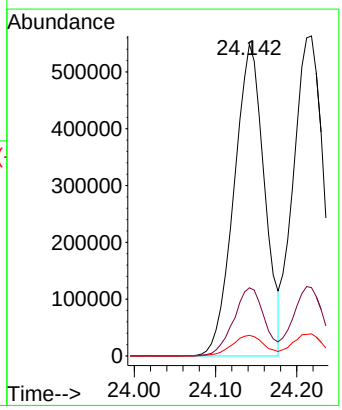
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

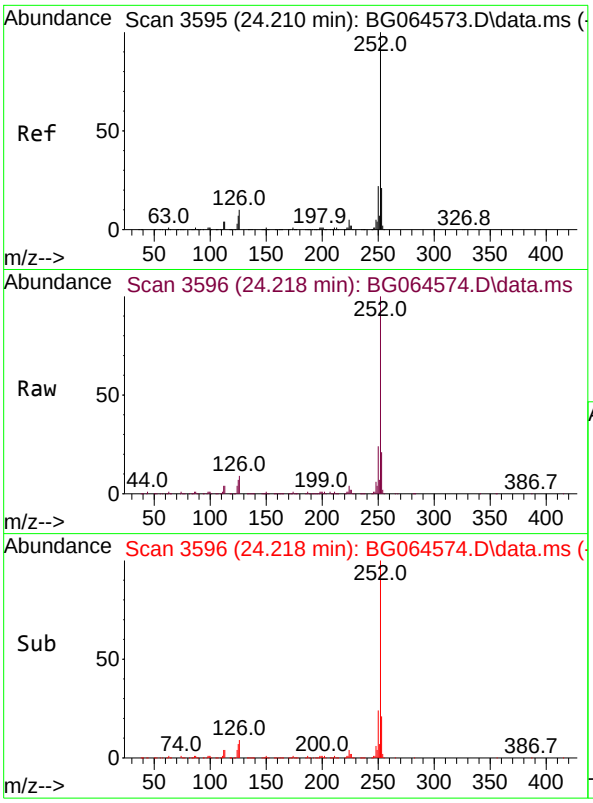


#88
Benzo(b)fluoranthene
Concen: 66.207 ng
RT: 24.142 min Scan# 3583
Delta R.T. 0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

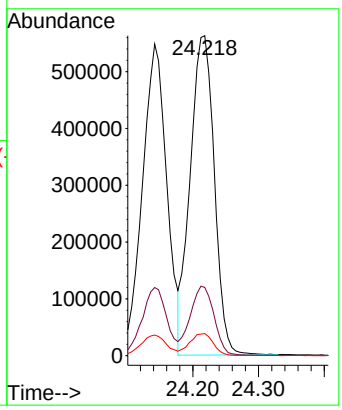




#89
Benzo(k)fluoranthene
Concen: 66.703 ng
RT: 24.218 min Scan# 3
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 143631

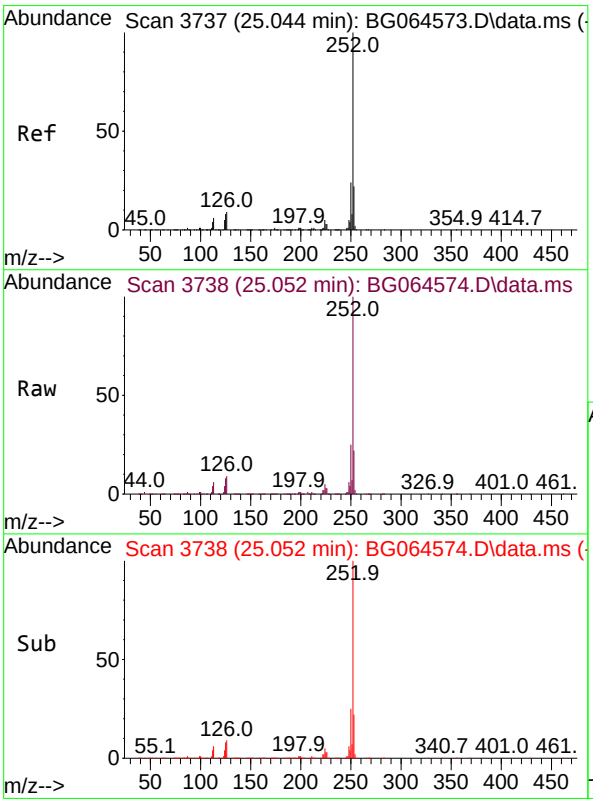
Ion	Ratio	Lower	Upper
252	100		
253	21.3	16.8	25.2
125	6.9	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

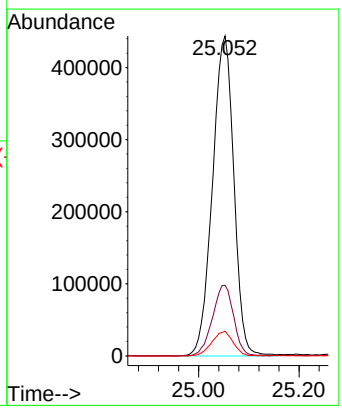
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

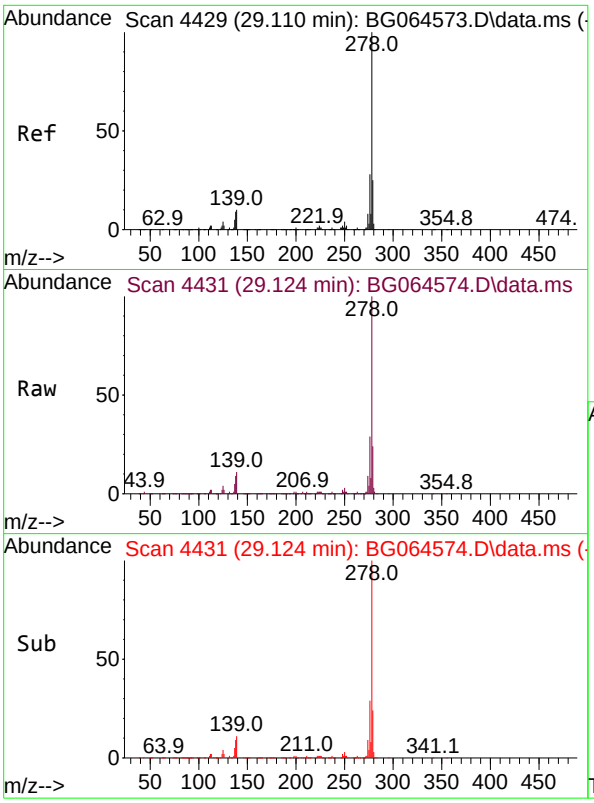


#90
Benzo(a)pyrene
Concen: 66.315 ng
RT: 25.052 min Scan# 3738
Delta R.T. 0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

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

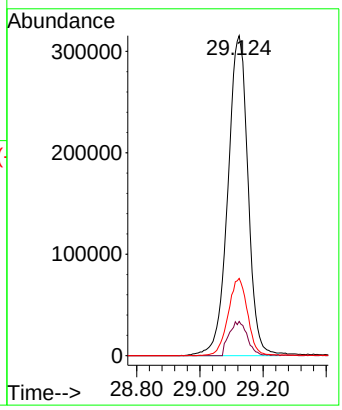




#91
Dibenzo(a,h)anthracene
Concen: 66.479 ng
RT: 29.124 min Scan# 44
Delta R.T. 0.014 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:278 Resp: 139423

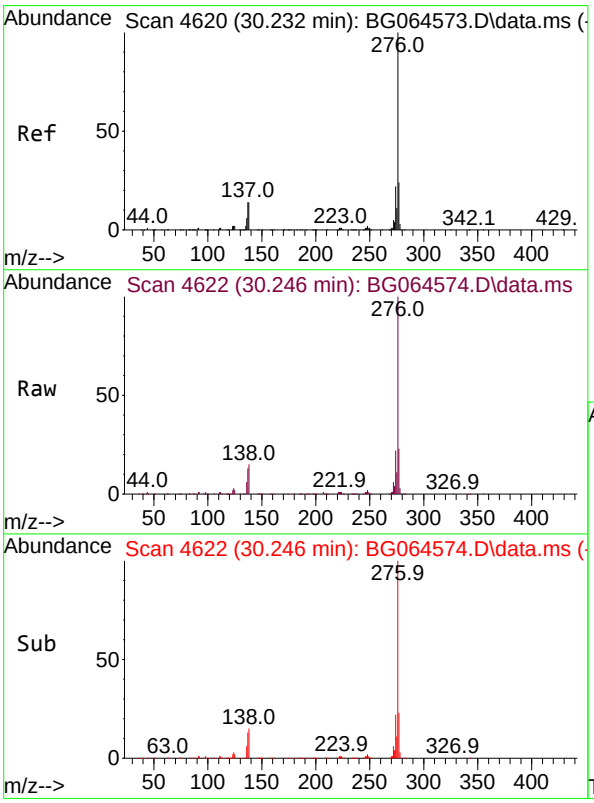
Ion	Ratio	Lower	Upper
278	100		
139	10.7	8.0	12.0
279	24.1	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

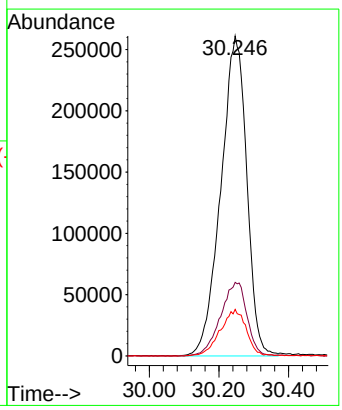
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 67.253 ng
RT: 30.246 min Scan# 4622
Delta R.T. 0.014 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:276 Resp: 1347382

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.1	28.7
138	14.5	11.3	16.9



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 :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 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	7.627	93	217960	72.119	ng		96
12) 1,3-Dichlorobenzene	8.109	146	236208	72.385	ng		98
13) 1,4-Dichlorobenzene	8.256	146	240570	72.502	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	8.649	107	203667	74.625	ng		97
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	208054	77.967	ng		97
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	169962m	77.917	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	72.945	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 :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 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	30.265	276	1669976	76.498	ng		99

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

Quantitation Report (QT Reviewed)

ICAL Form

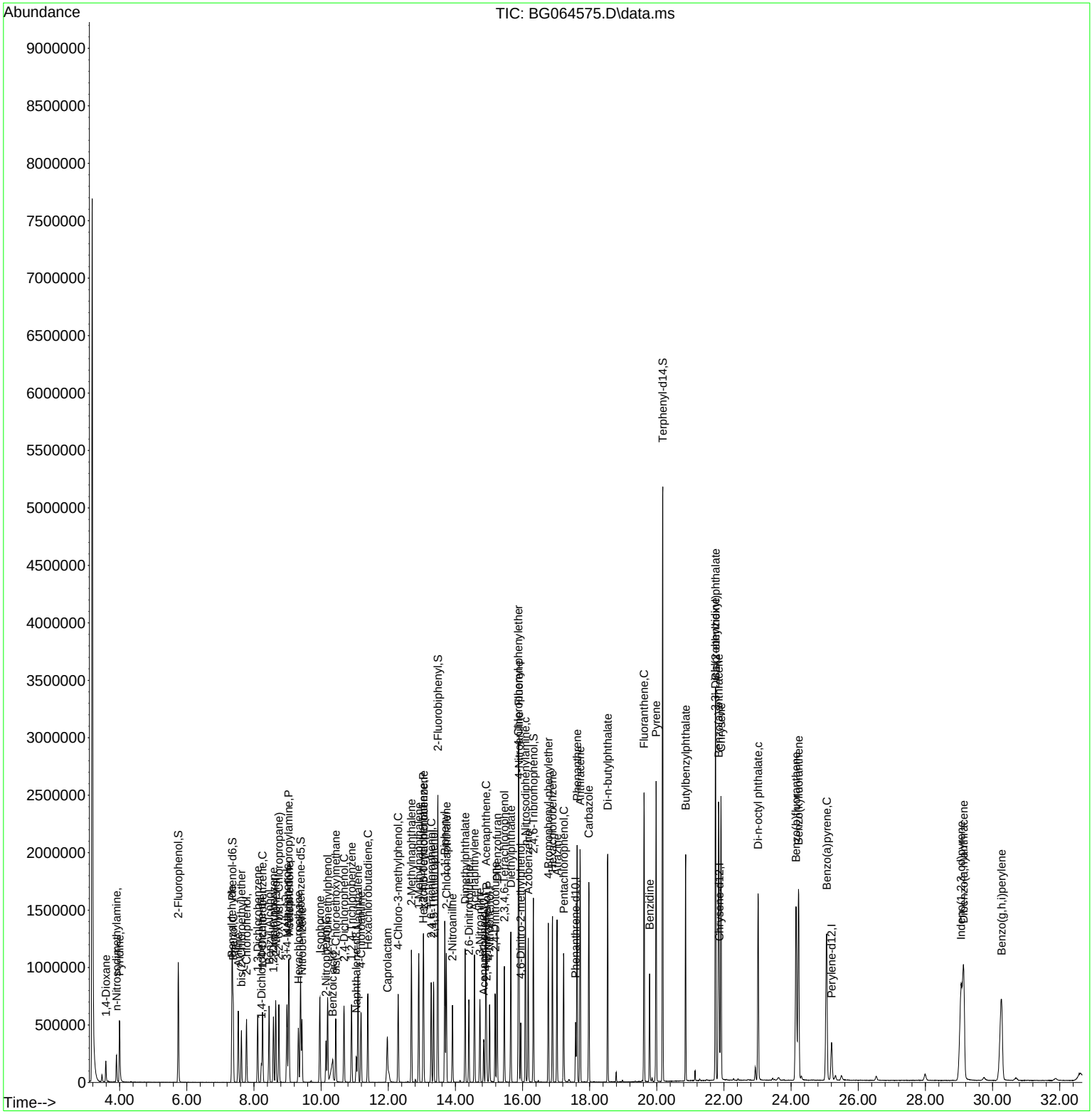
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064575.D
Acq On : 24 Oct 2025 14:24
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

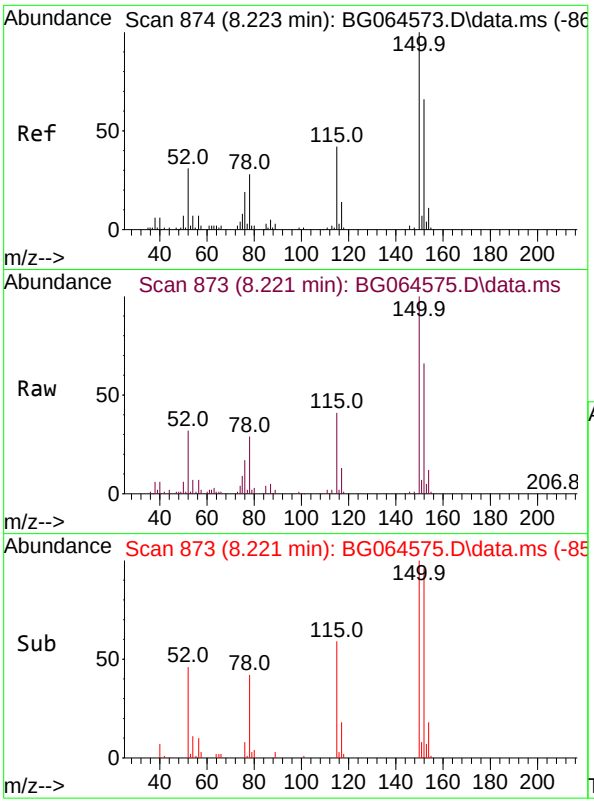
Quant Time: Nov 03 18:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

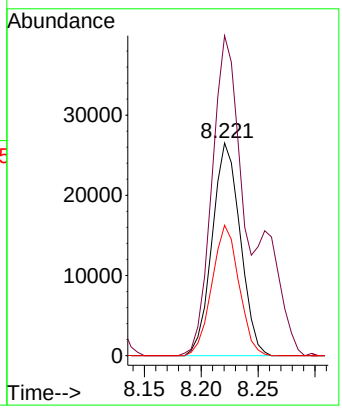




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.221 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

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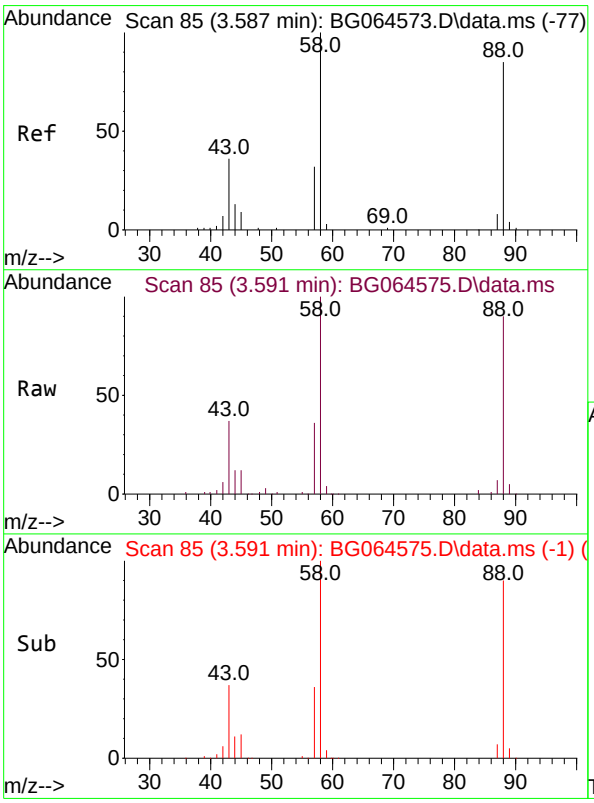
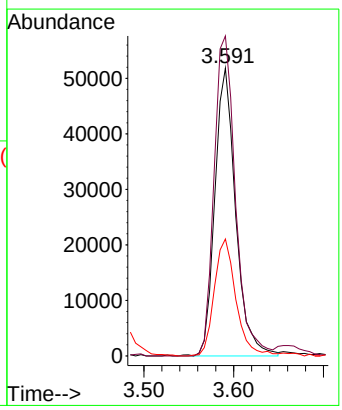
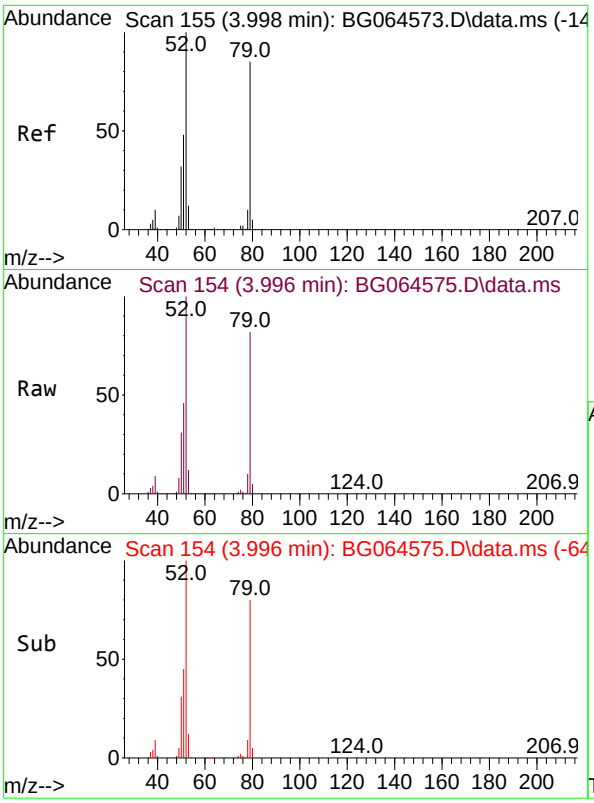


#2
1,4-Dioxane
Concen: 69.757 ng
RT: 3.591 min Scan# 85
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

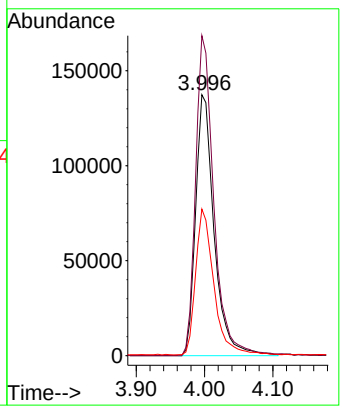




#3
Pyridine
Concen: 72.062 ng
RT: 3.996 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 79 Resp: 25951

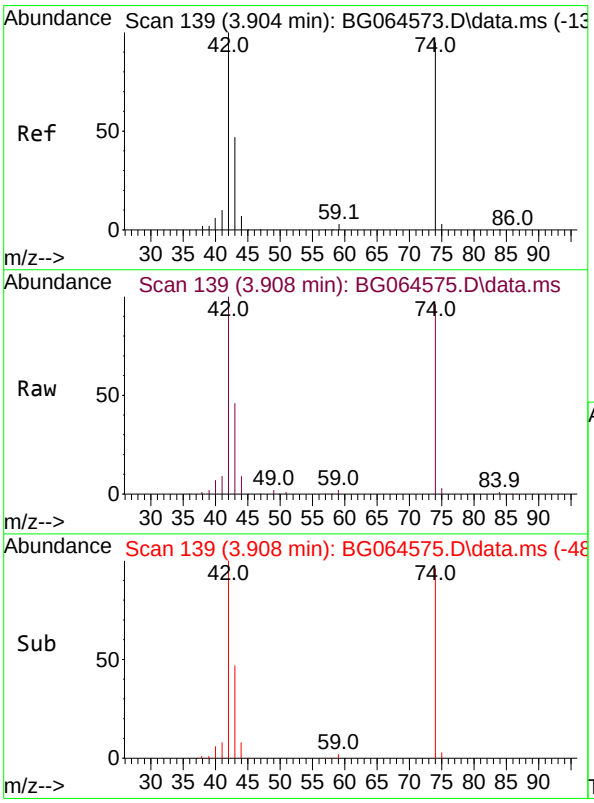
Ion	Ratio	Lower	Upper
79	100		
52	122.7	94.2	141.2
51	56.2	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

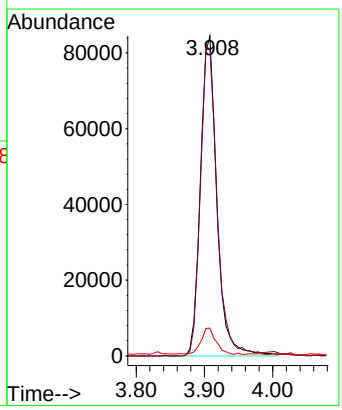
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

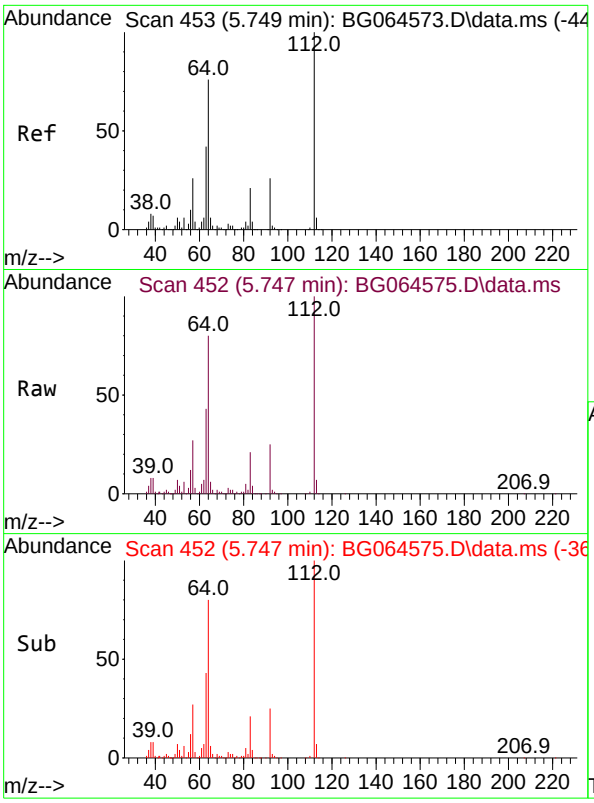


#4
n-Nitrosodimethylamine
Concen: 73.105 ng
RT: 3.908 min Scan# 139
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

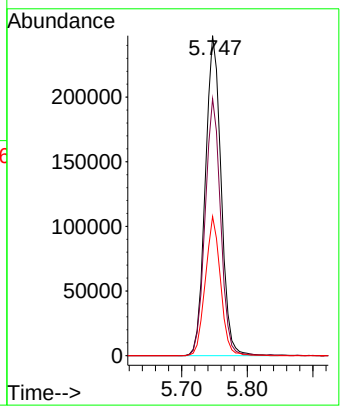
Tgt Ion:112 Resp: 41158

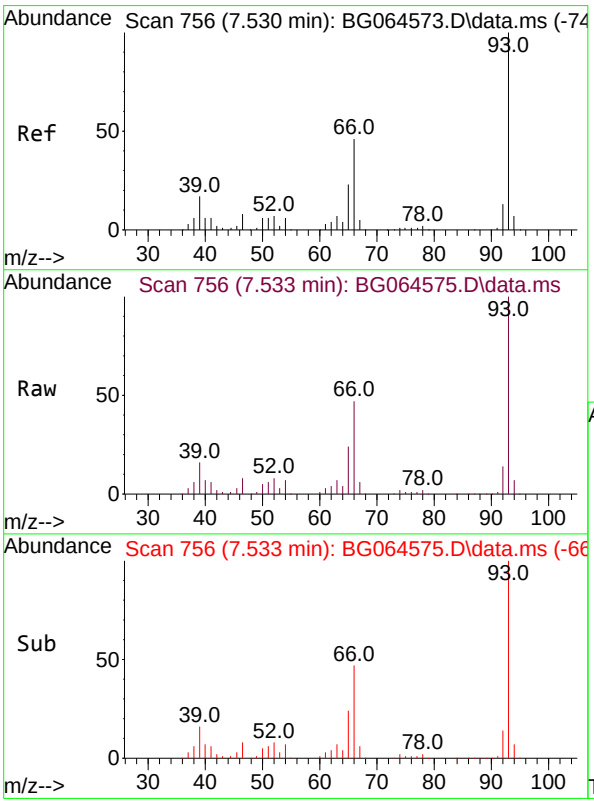
Ion	Ratio	Lower	Upper
112	100		
64	80.3	60.7	91.1
63	43.5	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

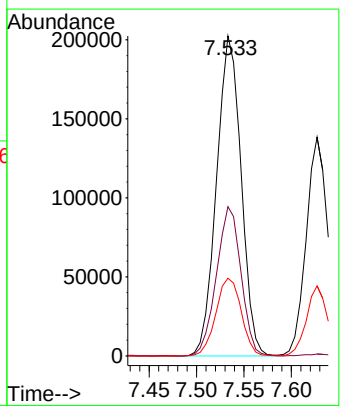


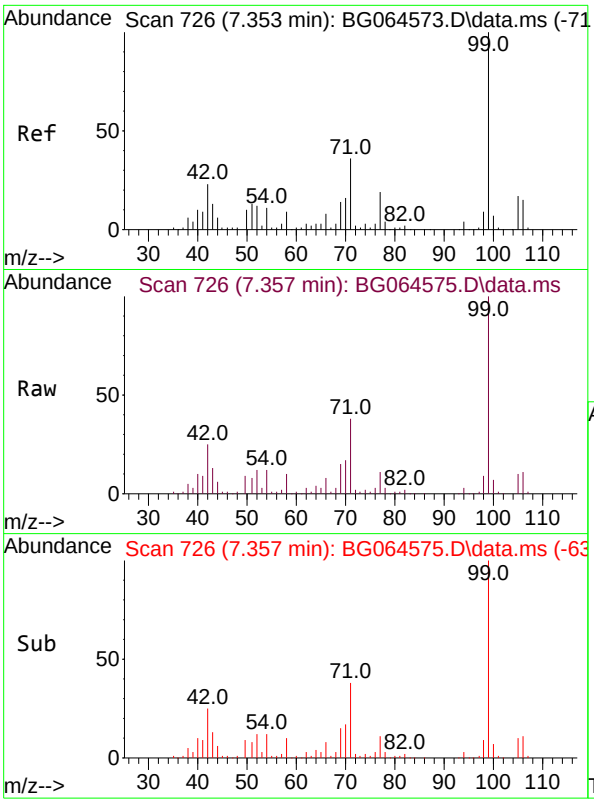


#6
Aniline
Concen: 72.073 ng
RT: 7.533 min Scan# 756
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

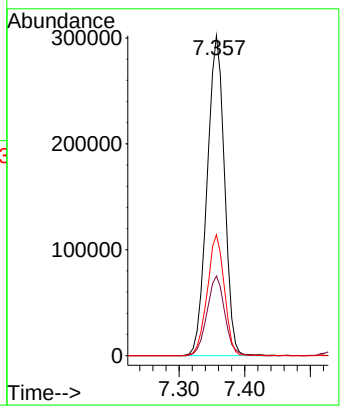




#7
Phenol-d6
Concen: 149.124 ng
RT: 7.357 min Scan# 7
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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 :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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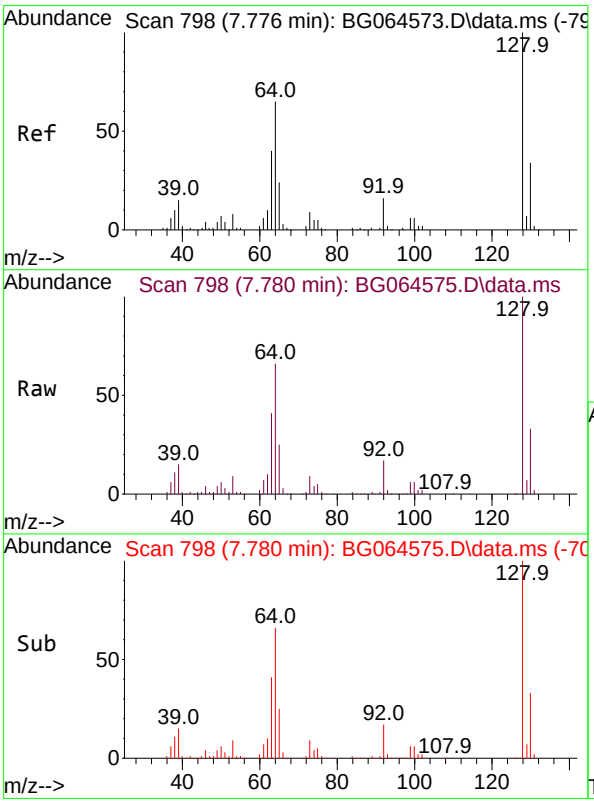
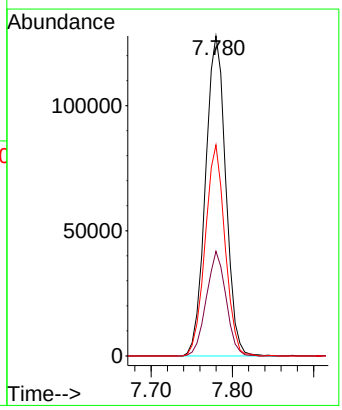
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

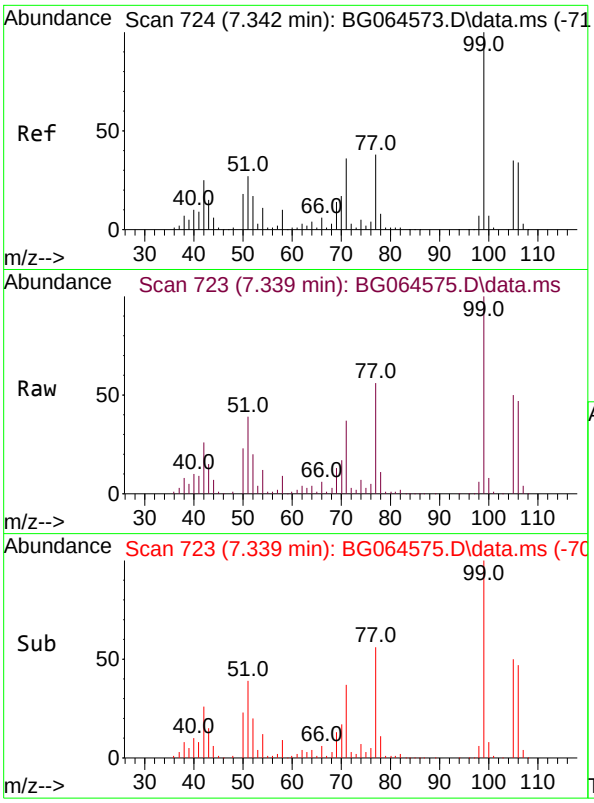


#8
2-Chlorophenol
Concen: 77.988 ng
RT: 7.780 min Scan# 798
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

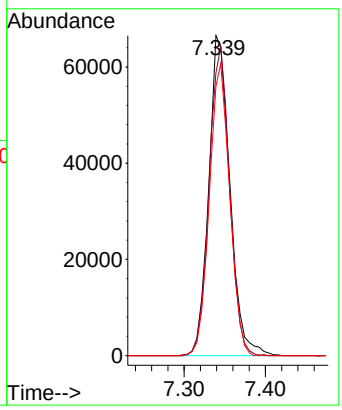




#9
Benzaldehyde
Concen: 59.361 ng
RT: 7.339 min Scan# 7
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 77 Resp: 12045

Ion	Ratio	Lower	Upper
77	100		
105	88.4	72.9	112.9
106	84.2	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
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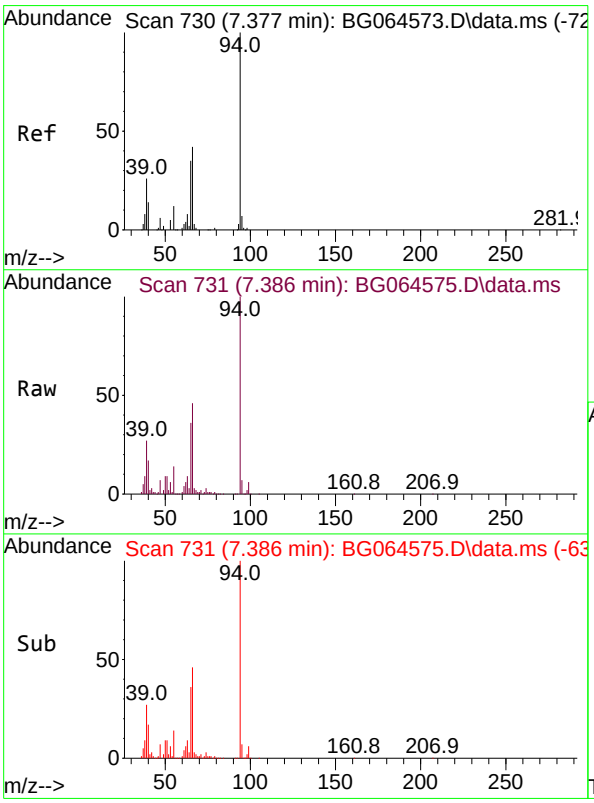
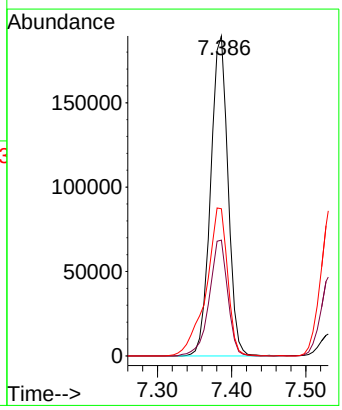
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

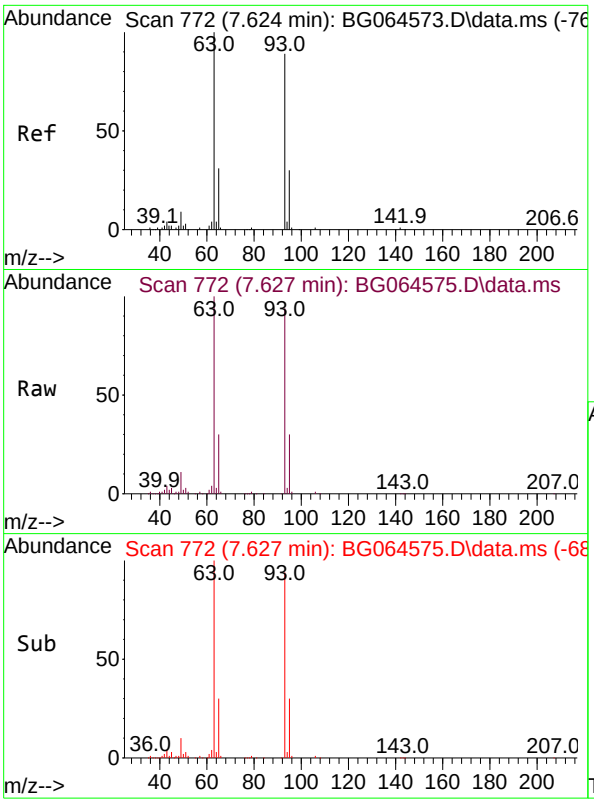


#10
Phenol
Concen: 74.900 ng
RT: 7.386 min Scan# 731
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

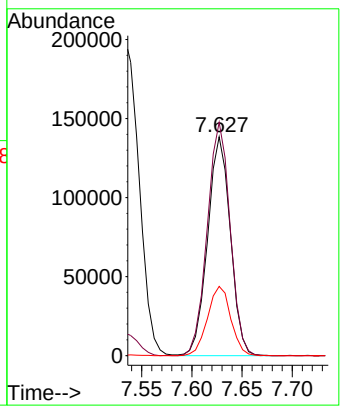




#11
bis(2-Chloroethyl)ether
Concen: 72.119 ng
RT: 7.627 min Scan# 7
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 93 Resp: 21796

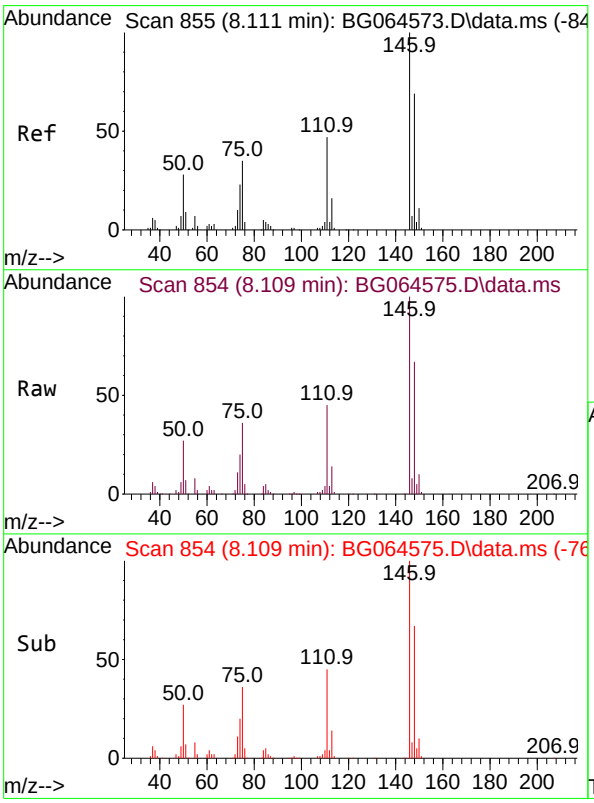
Ion	Ratio	Lower	Upper
93	100		
63	106.7	91.3	131.3
95	31.7	13.3	53.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

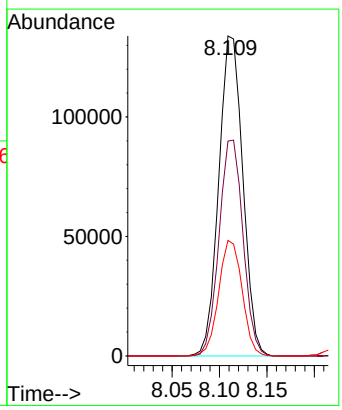
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

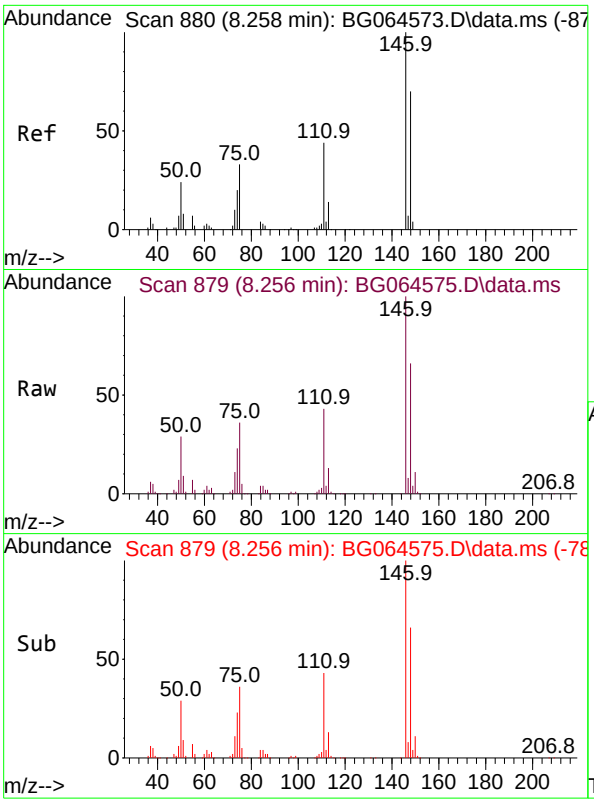


#12
1,3-Dichlorobenzene
Concen: 72.385 ng
RT: 8.109 min Scan# 854
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

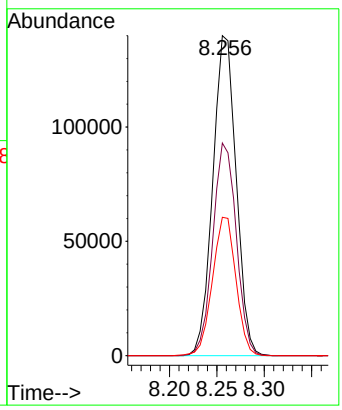




#13
1,4-Dichlorobenzene
Concen: 72.502 ng
RT: 8.256 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:146 Resp: 24057

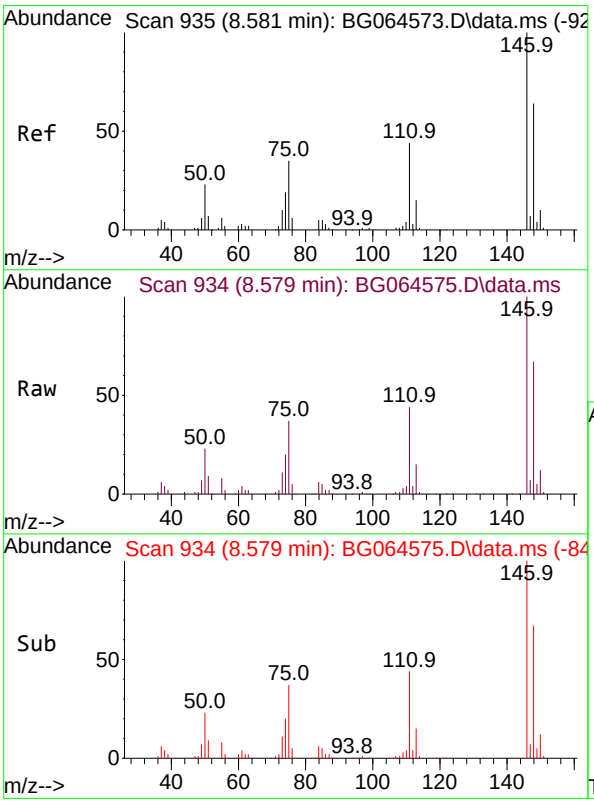
Ion	Ratio	Lower	Upper
146	100		
148	66.4	56.2	84.4
111	43.2	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

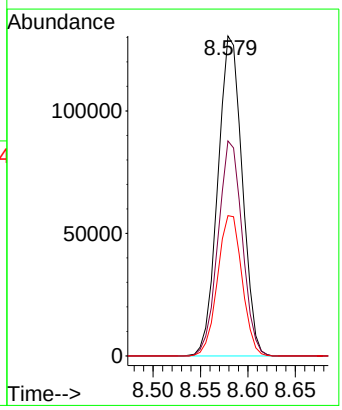
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

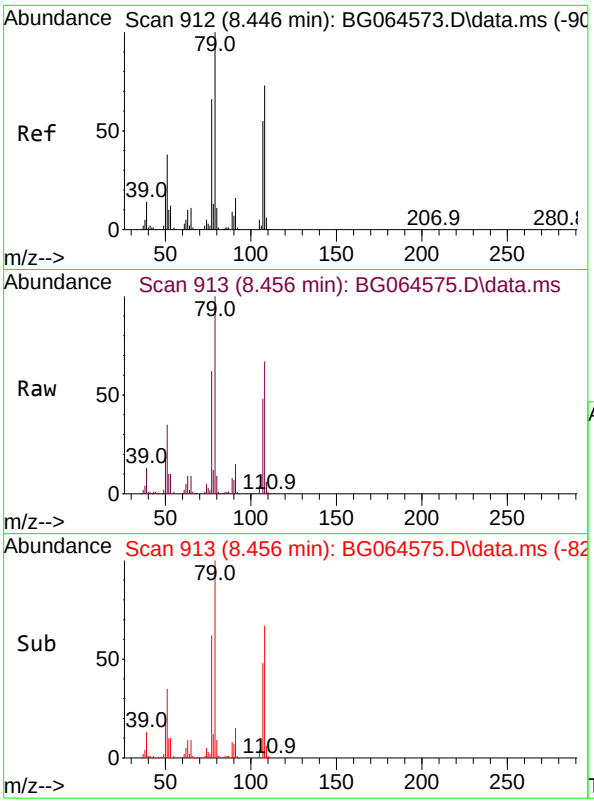


#14
1,2-Dichlorobenzene
Concen: 72.905 ng
RT: 8.579 min Scan# 934
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

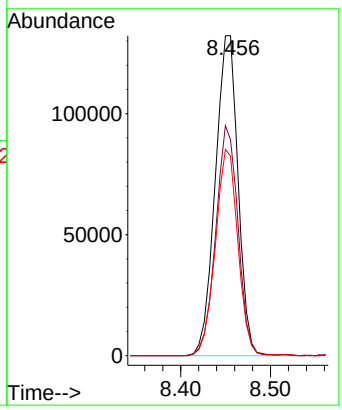




#15
Benzyl Alcohol
Concen: 76.140 ng
RT: 8.456 min Scan# 91
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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 :
BNA_G
ClientSampleId :
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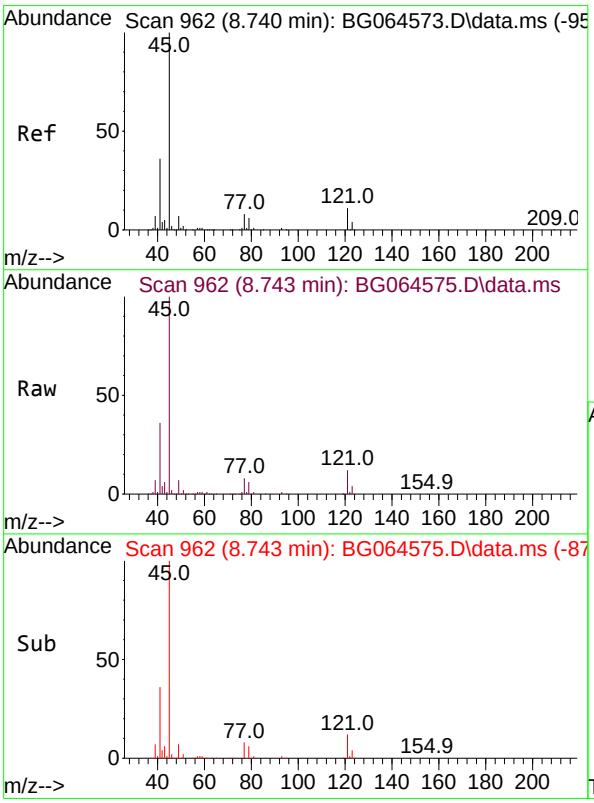
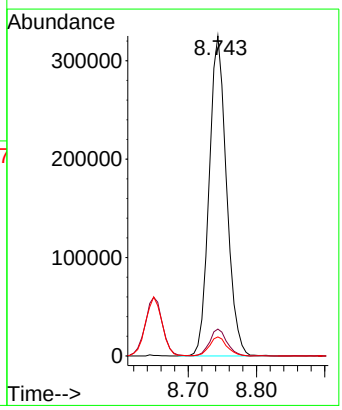
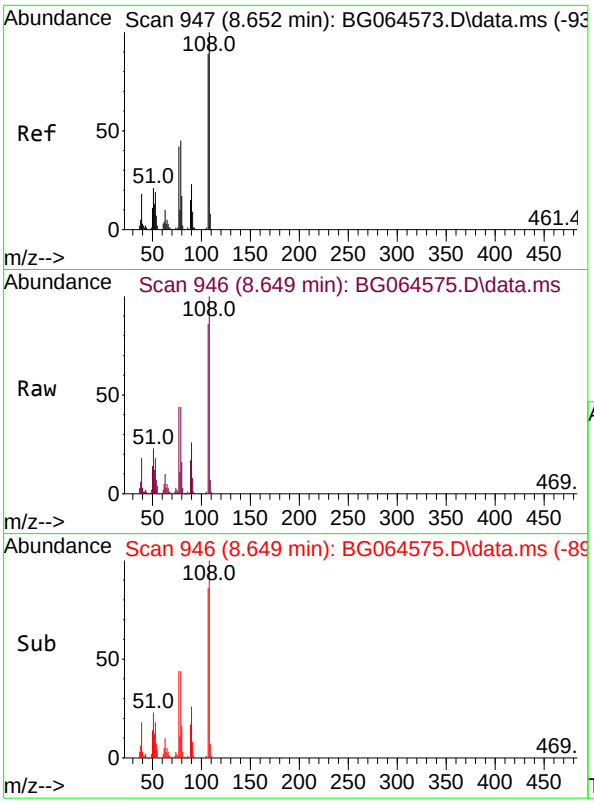


#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.364 ng
RT: 8.743 min Scan# 962
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

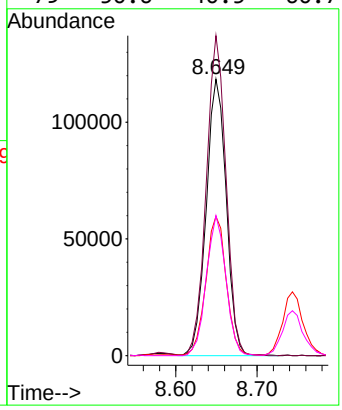




#17
2-Methylphenol
Concen: 74.625 ng
RT: 8.649 min Scan# 94
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:107 Resp: 20366

Ion	Ratio	Lower	Upper
107	100		
108	115.8	90.0	135.0
77	50.4	37.8	56.8
79	50.6	40.5	60.7



Instrument :
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ClientSampleId :
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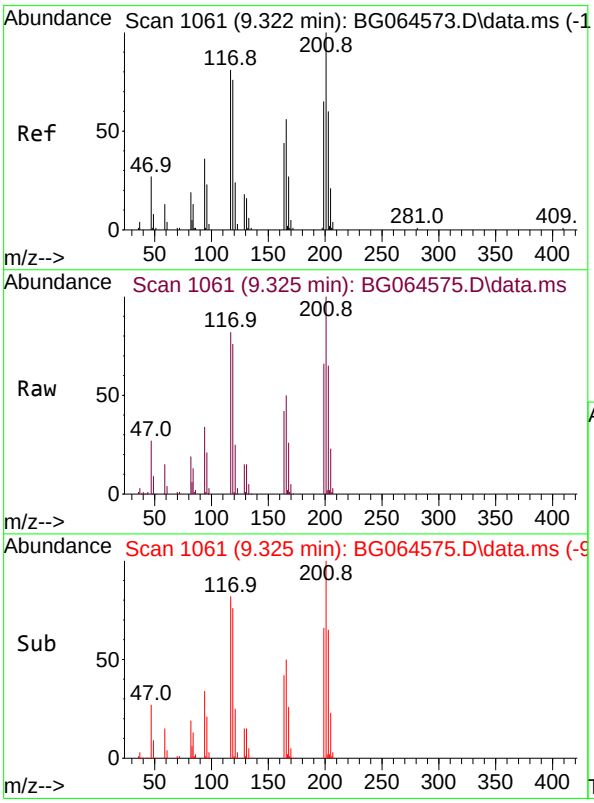
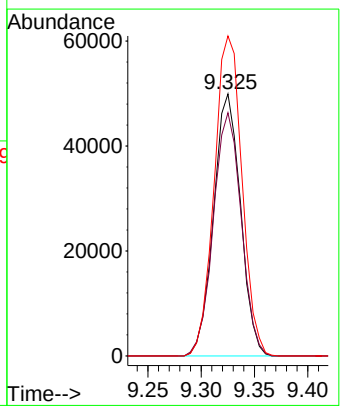
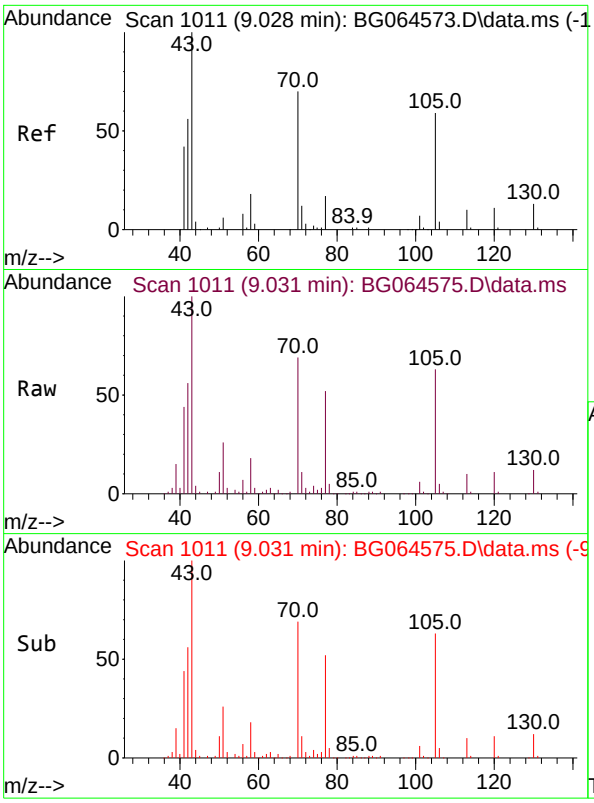


#18
Hexachloroethane
Concen: 75.469 ng
RT: 9.325 min Scan# 1061
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

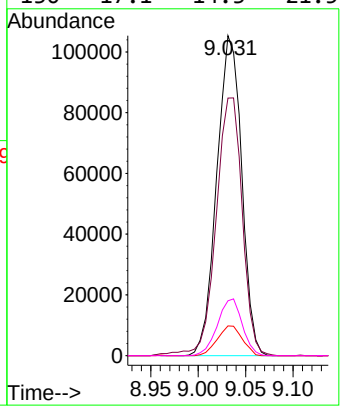




#19
n-Nitroso-di-n-propylamine
Concen: 74.804 ng
RT: 9.031 min Scan# 10
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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



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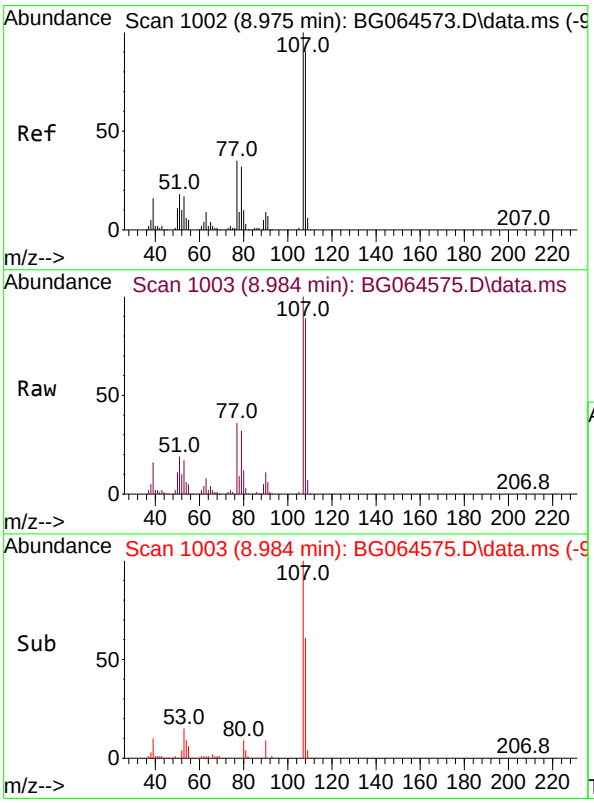
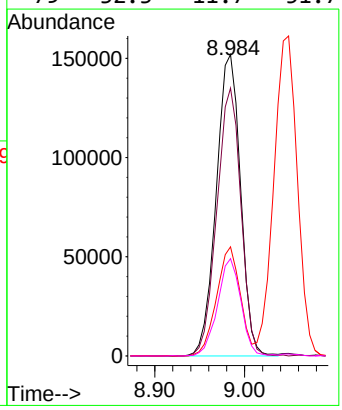
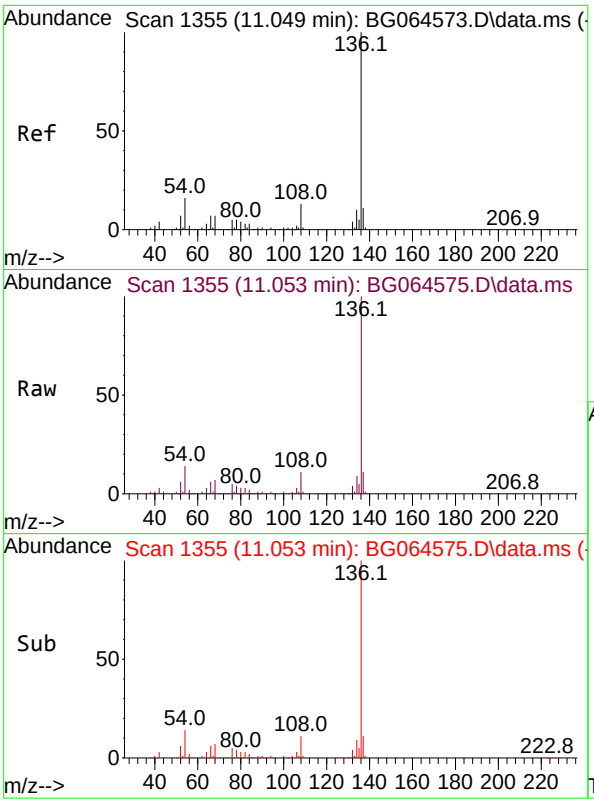


#20
3+4-Methylphenols
Concen: 74.434 ng
RT: 8.984 min Scan# 1003
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

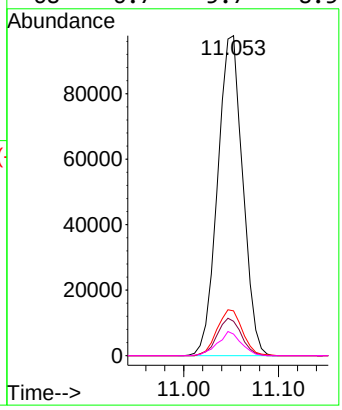




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.053 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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 :
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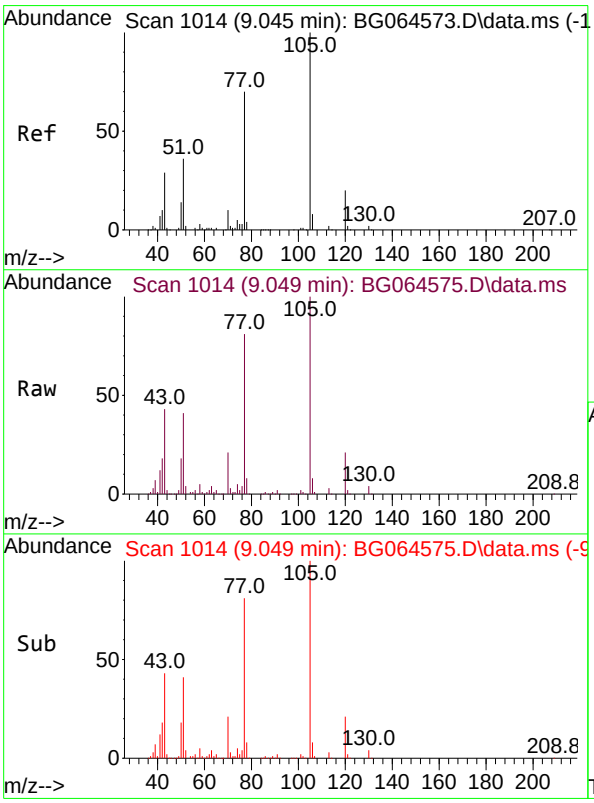
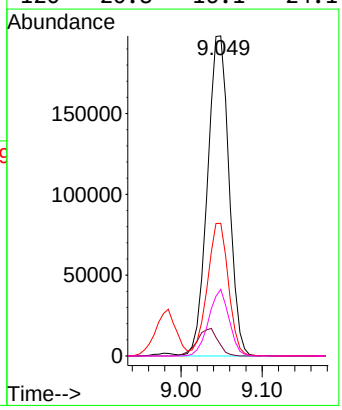
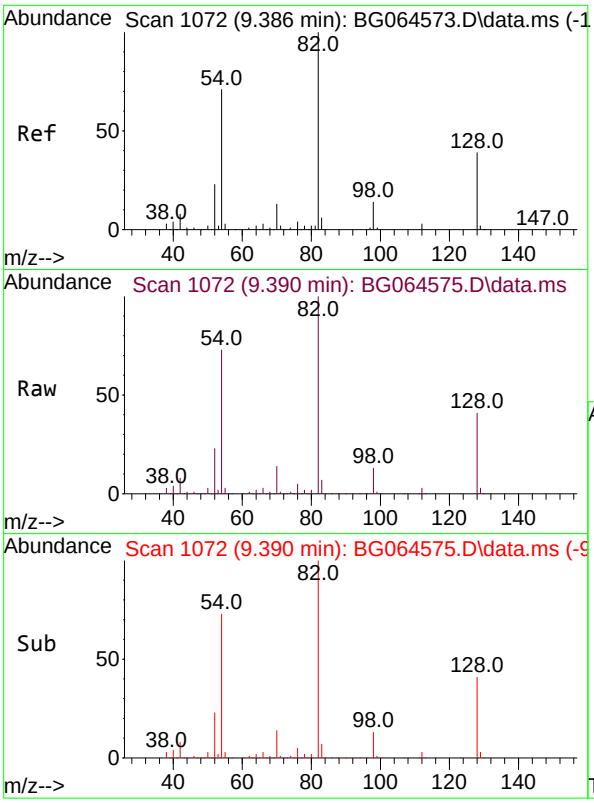


#22
Acetophenone
Concen: 74.412 ng
RT: 9.049 min Scan# 1014
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

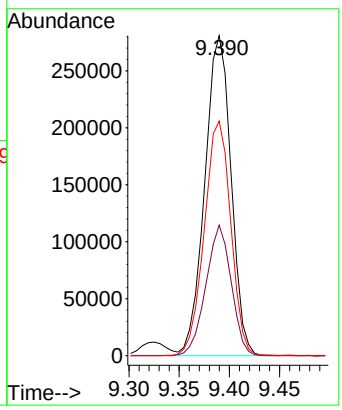




#23
Nitrobenzene-d5
Concen: 171.034 ng
RT: 9.390 min Scan# 10
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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 :
BNA_G
ClientSampleId :
SSTDICC080

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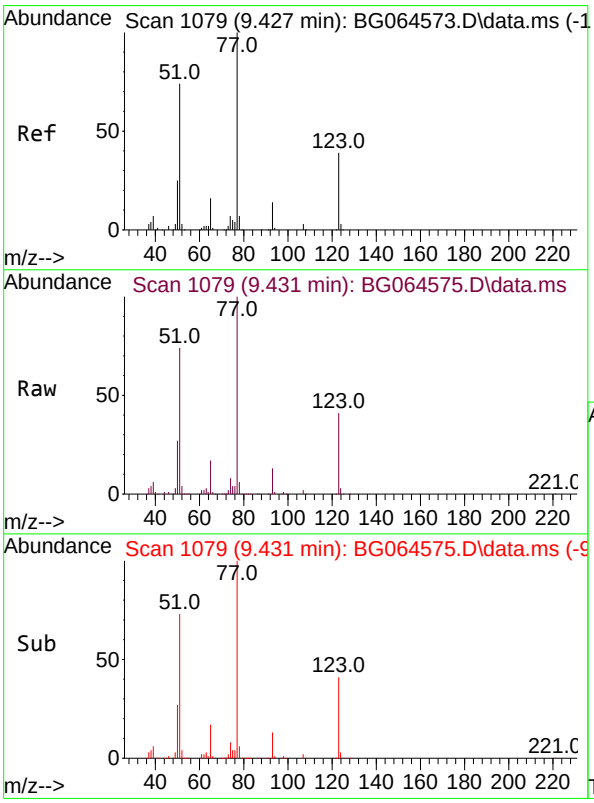
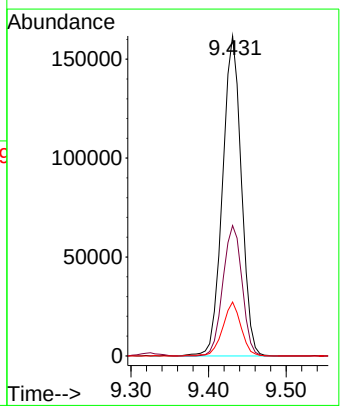
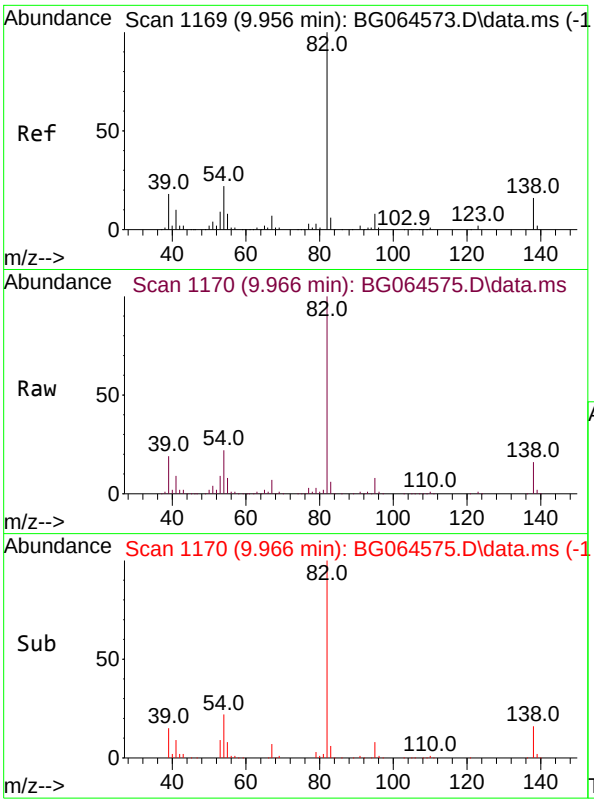


#24
Nitrobenzene
Concen: 84.025 ng
RT: 9.431 min Scan# 1079
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

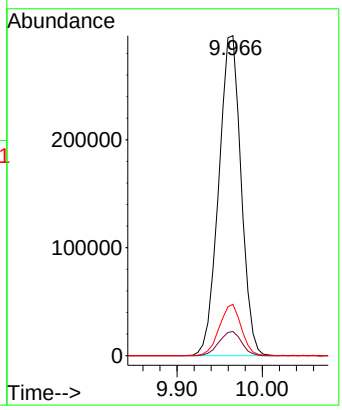




#25
Isophorone
Concen: 75.150 ng
RT: 9.966 min Scan# 11
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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 :
BNA_G
ClientSampleId :
SSTDICC080

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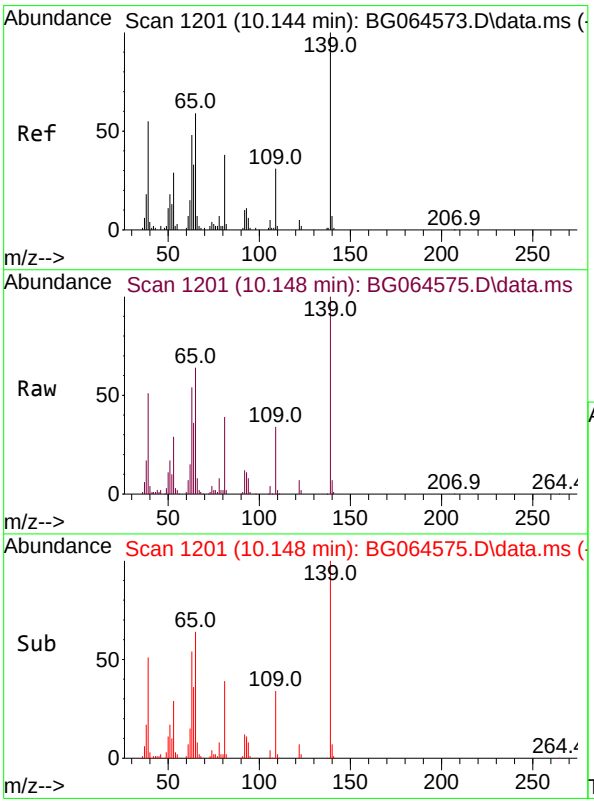
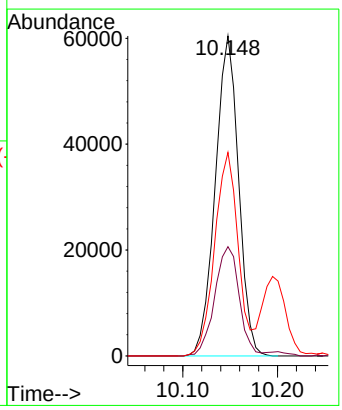
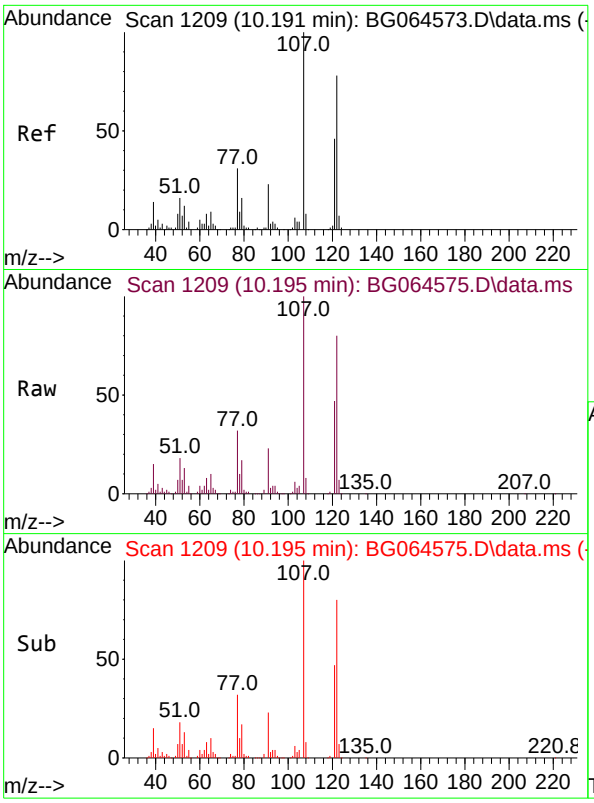


#26
2-Nitrophenol
Concen: 79.938 ng
RT: 10.148 min Scan# 1201
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

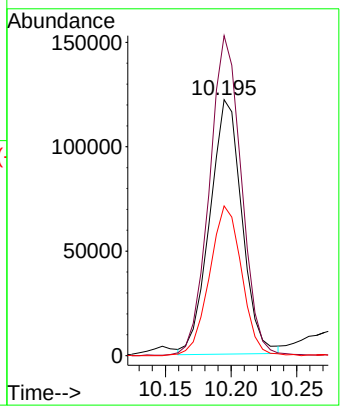




#27
2,4-Dimethylphenol
Concen: 77.967 ng
RT: 10.195 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:122 Resp: 20805

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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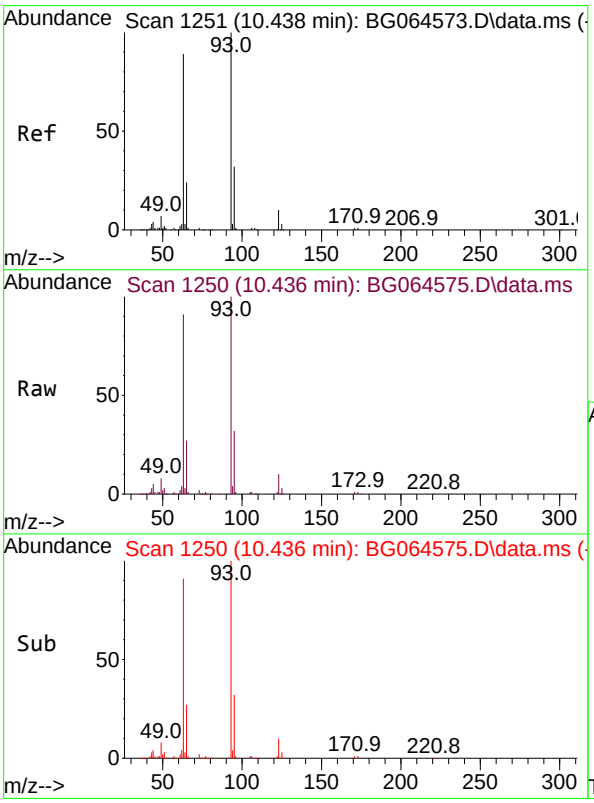
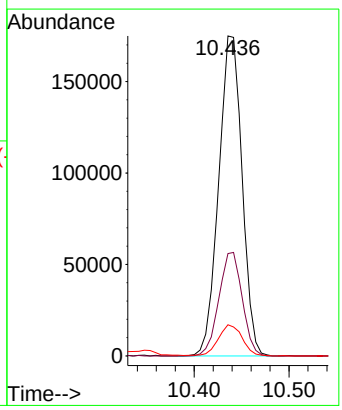
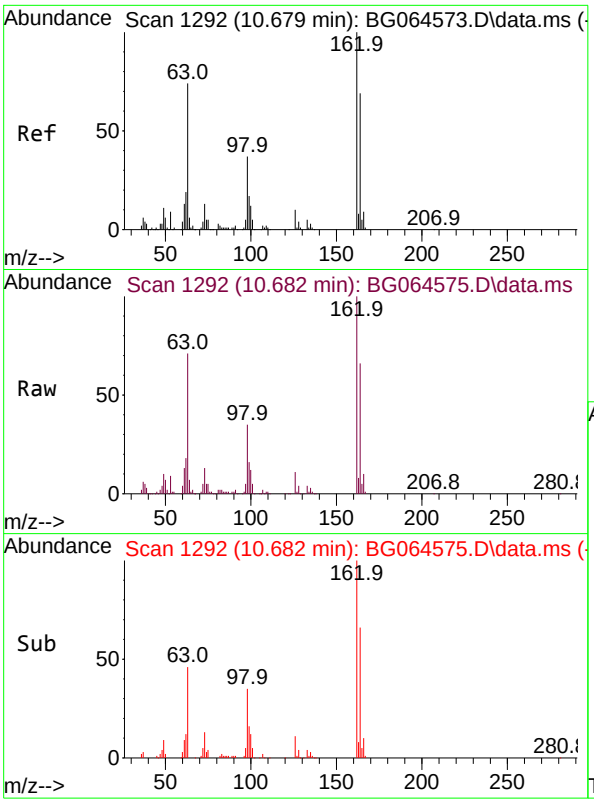


#28
bis(2-Chloroethoxy)methane
Concen: 73.388 ng
RT: 10.436 min Scan# 1250
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

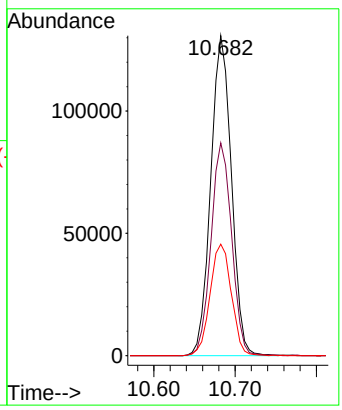




#29
2,4-Dichlorophenol
Concen: 80.526 ng
RT: 10.682 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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 :
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ClientSampleId :
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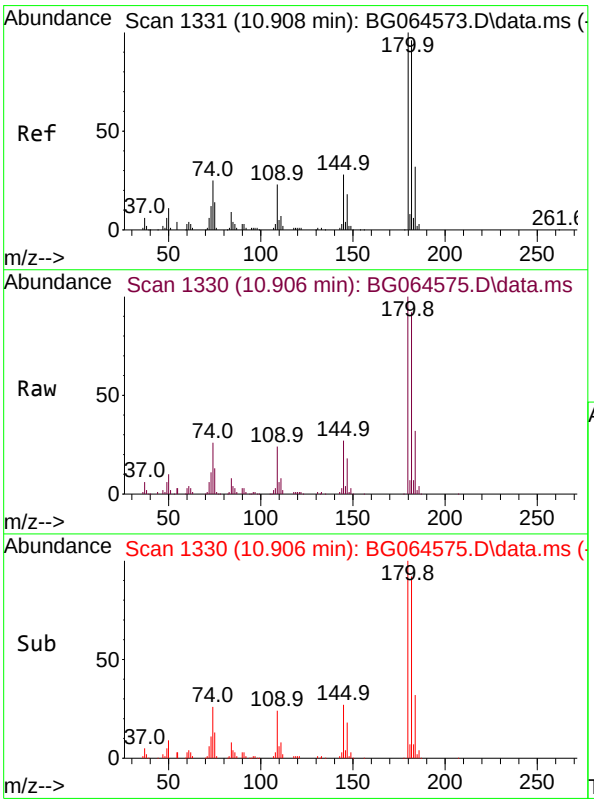
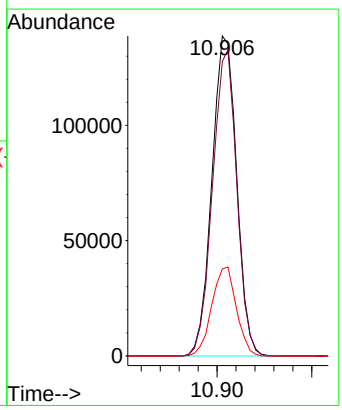
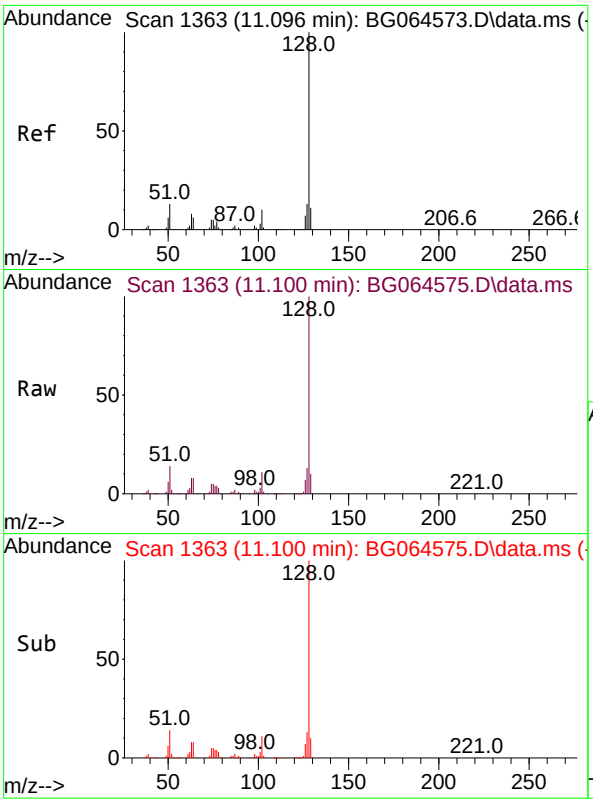


#30
1,2,4-Trichlorobenzene
Concen: 76.888 ng
RT: 10.906 min Scan# 1330
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

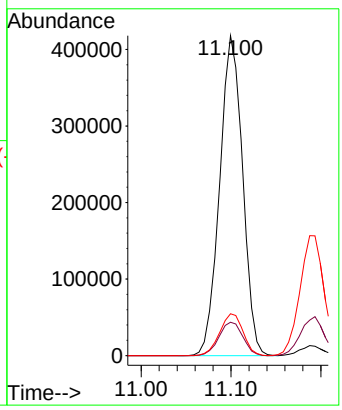




#31
Naphthalene
Concen: 74.828 ng
RT: 11.100 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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 :
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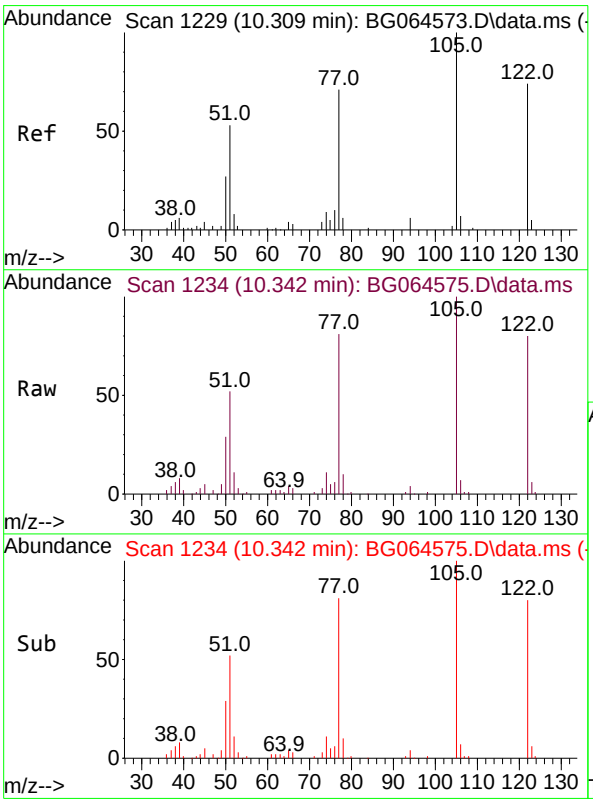
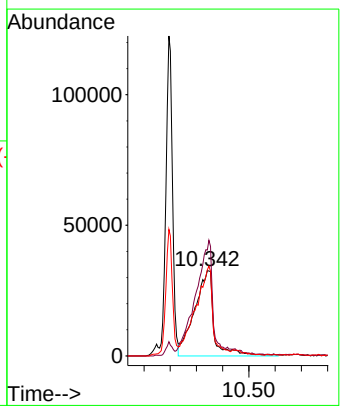
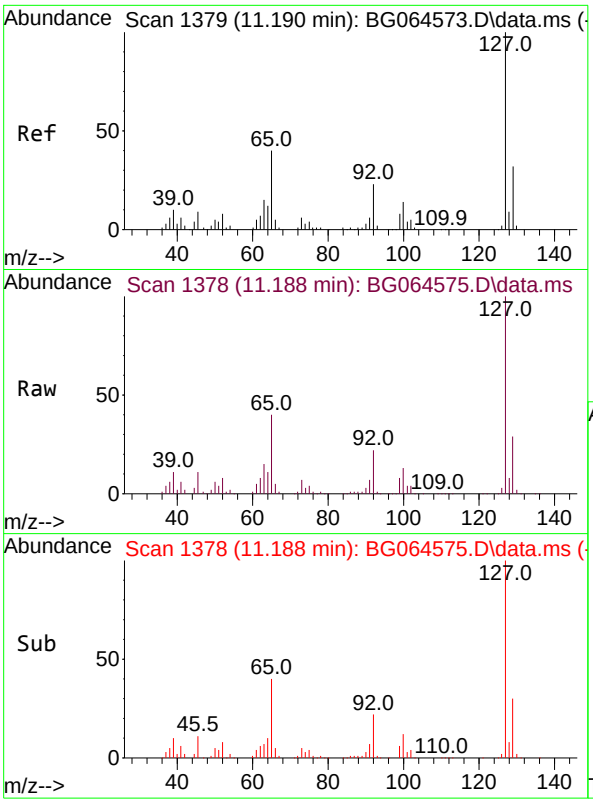


#32
Benzoic acid
Concen: 77.917 ng m
RT: 10.342 min Scan# 1234
Delta R.T. 0.033 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:122 Resp: 169962

Ion	Ratio	Lower	Upper
122	100		
105	124.4	104.2	144.2
77	100.9	70.2	110.2

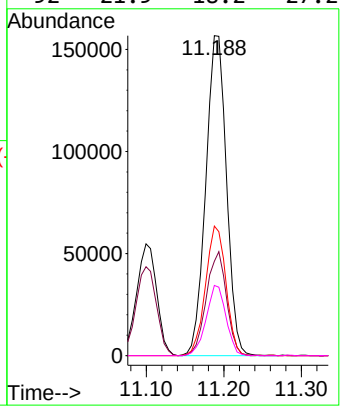




#33
4-Chloroaniline
Concen: 75.100 ng
RT: 11.188 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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 :
SSTDICC080

Manual Integrations
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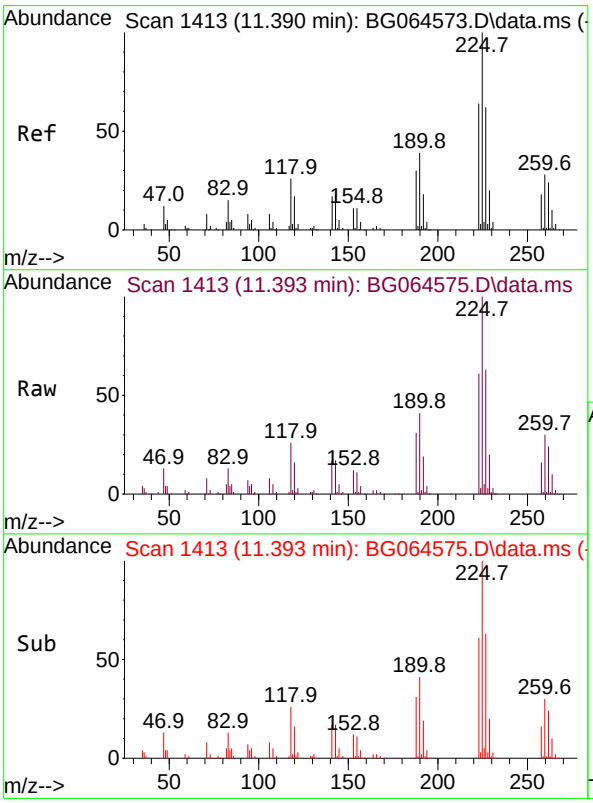
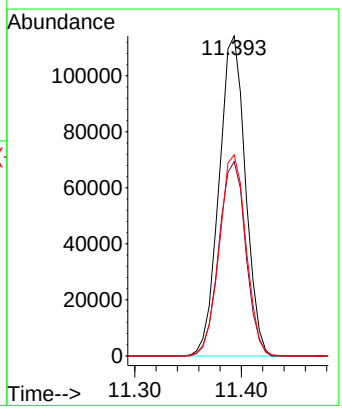
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

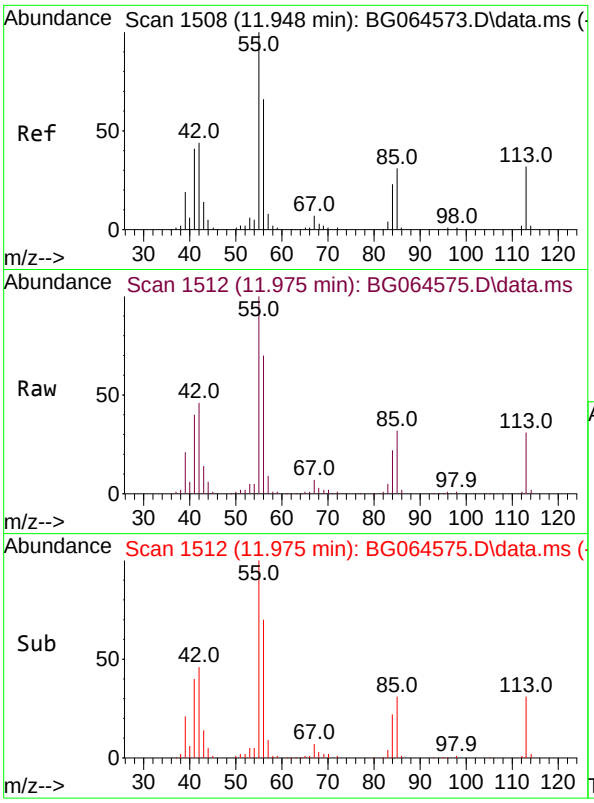


#34
Hexachlorobutadiene
Concen: 76.863 ng
RT: 11.393 min Scan# 1413
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

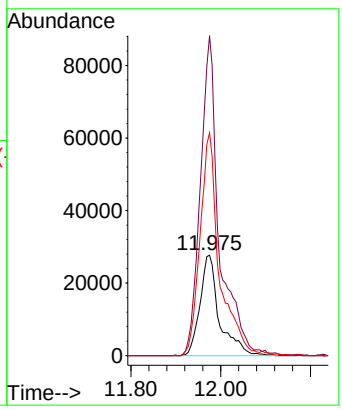




#35
Caprolactam
Concen: 75.596 ng
RT: 11.975 min Scan# 1
Delta R.T. 0.027 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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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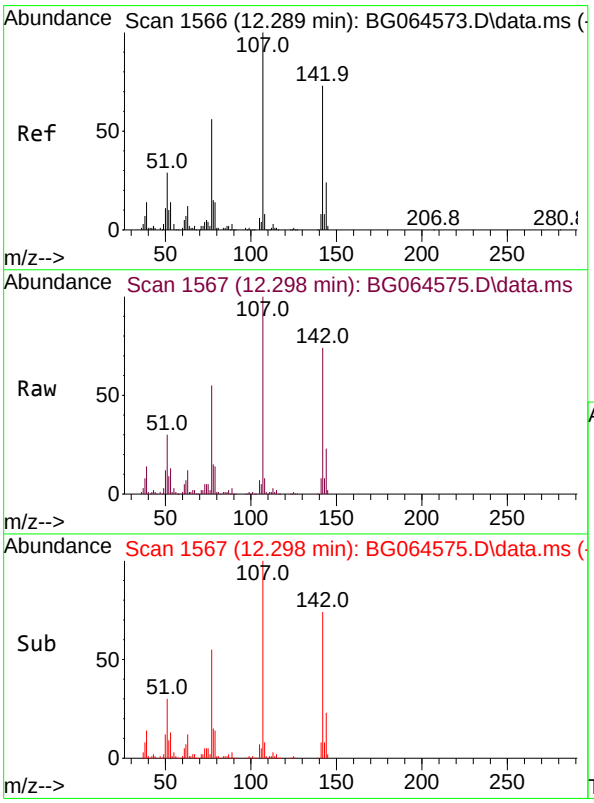
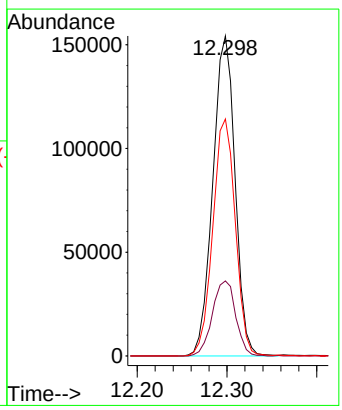
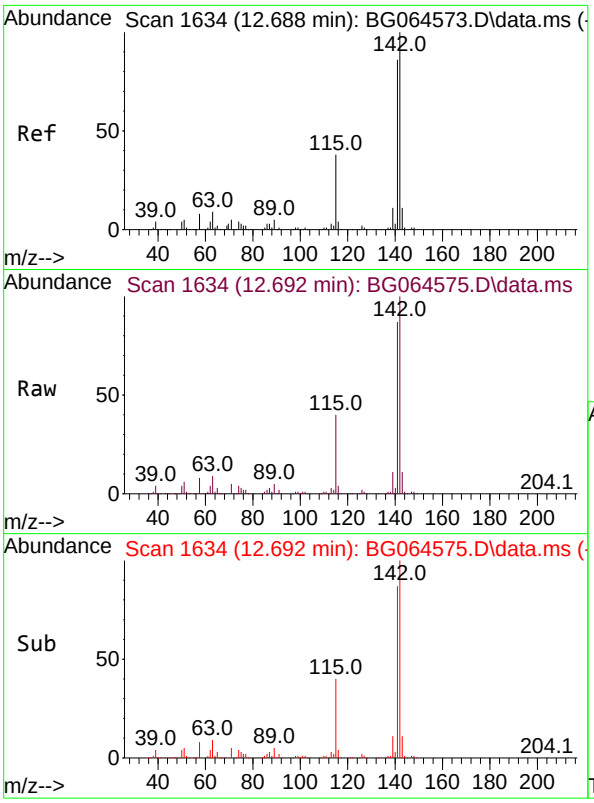


#36
4-Chloro-3-methylphenol
Concen: 77.031 ng
RT: 12.298 min Scan# 1567
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

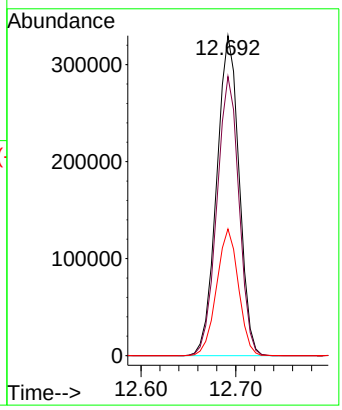




#37
2-Methylnaphthalene
Concen: 74.168 ng
RT: 12.692 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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



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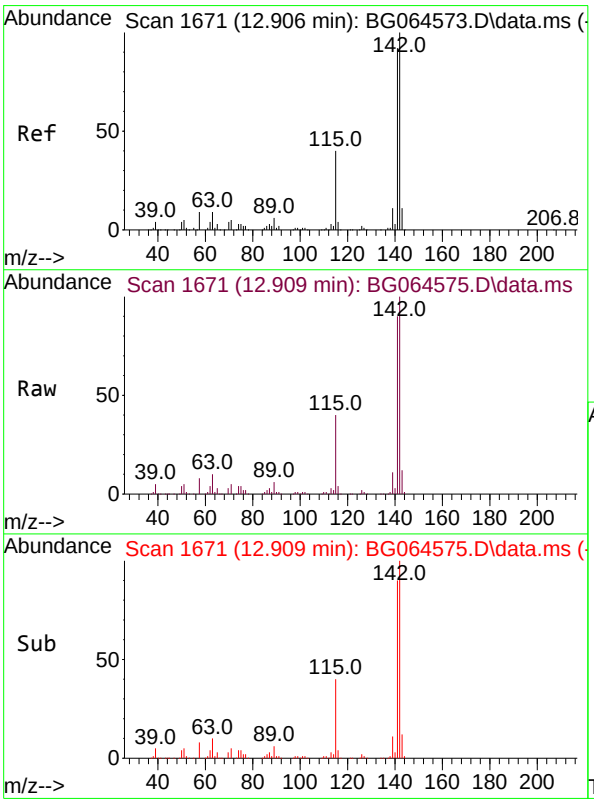
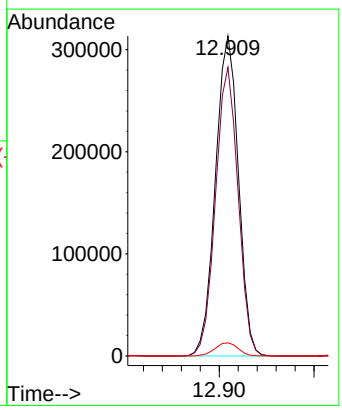
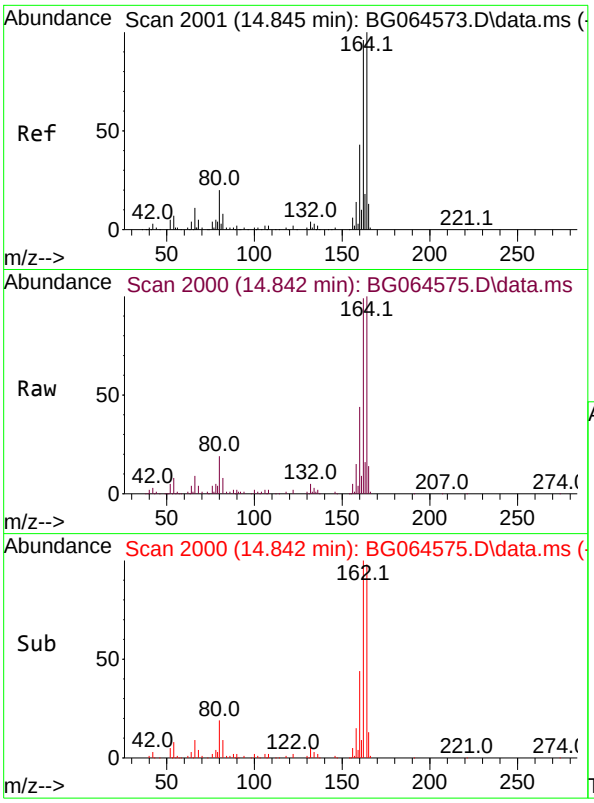


#38
1-Methylnaphthalene
Concen: 72.945 ng
RT: 12.909 min Scan# 1671
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

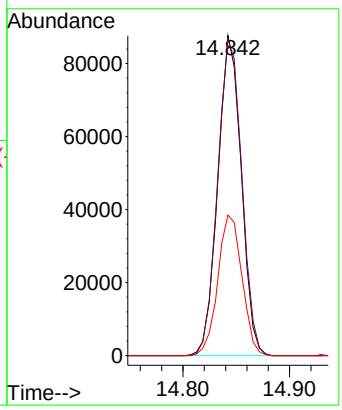




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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



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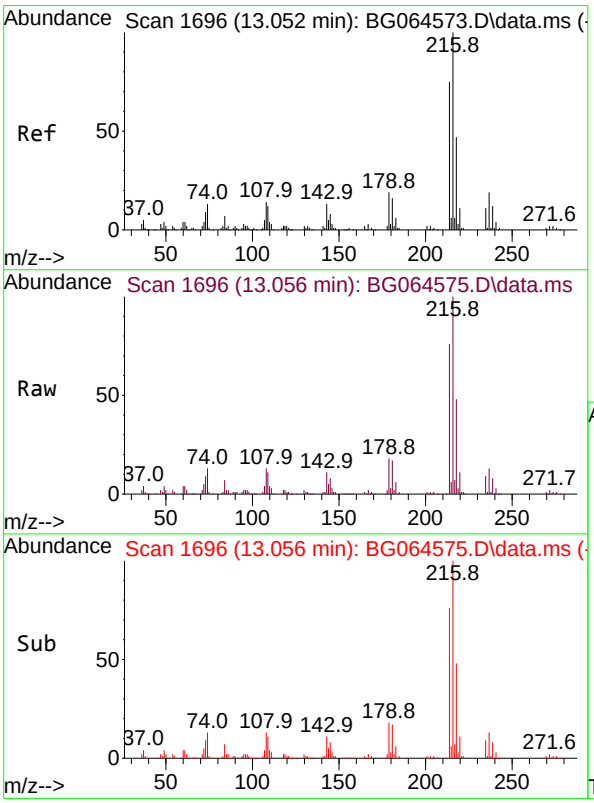
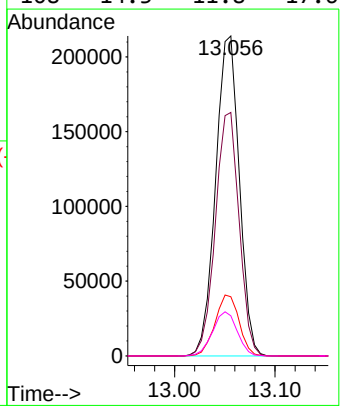
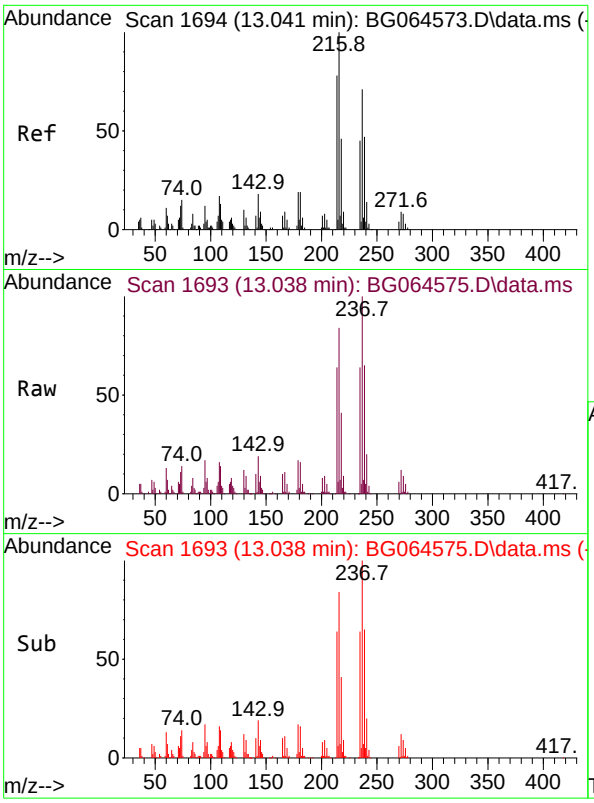


#40
1,2,4,5-Tetrachlorobenzene
Concen: 78.328 ng
RT: 13.056 min Scan# 1696
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

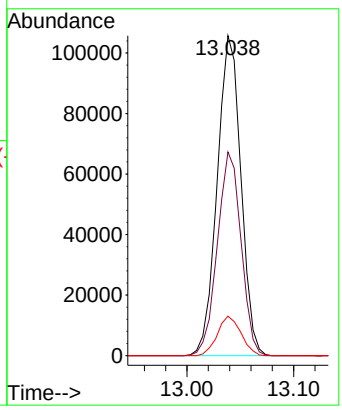




#41
Hexachlorocyclopentadiene
Concen: 80.876 ng
RT: 13.038 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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



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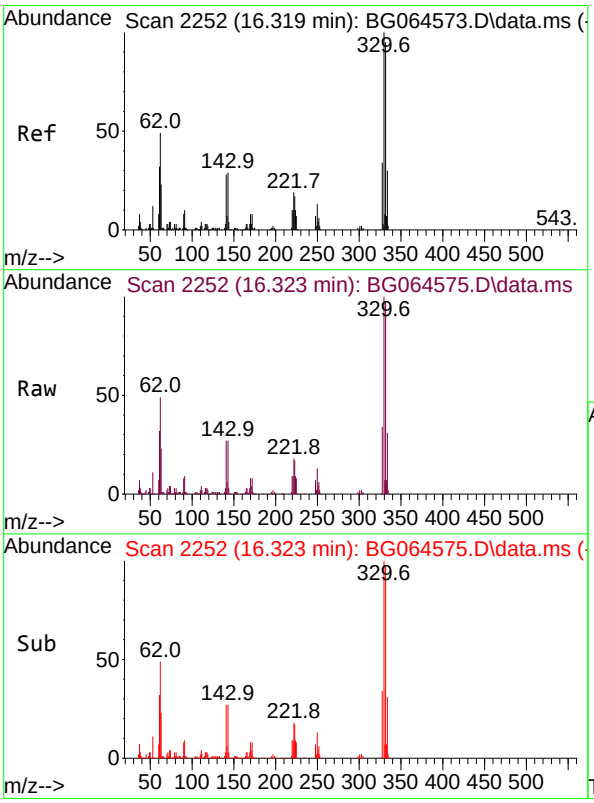
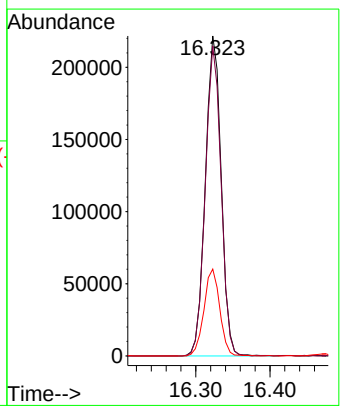
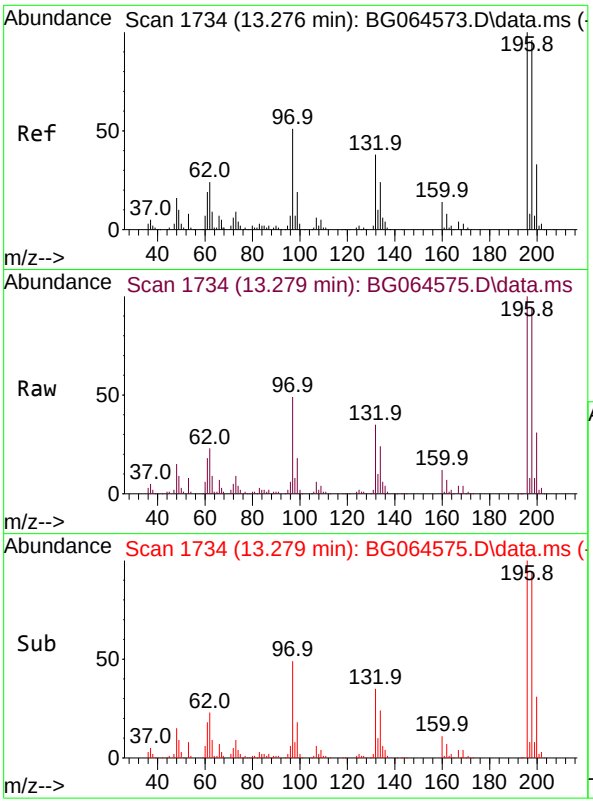


#42
2,4,6-Tribromophenol
Concen: 169.886 ng
RT: 16.323 min Scan# 2252
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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. 0.004 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 :
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ClientSampleId :
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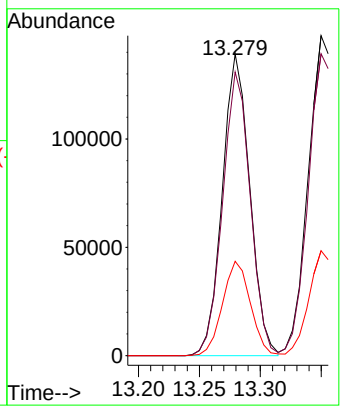
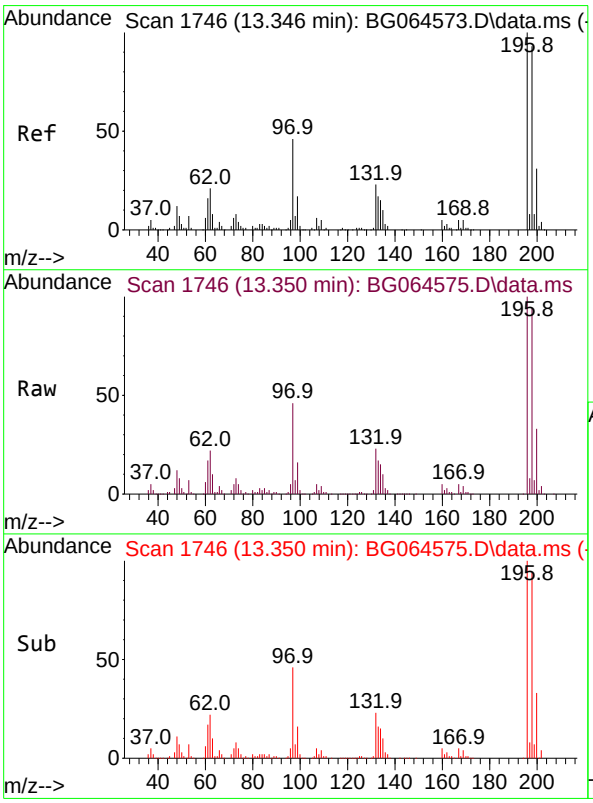
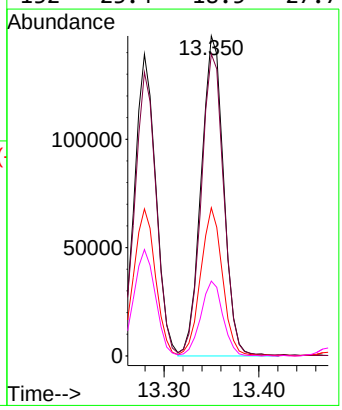


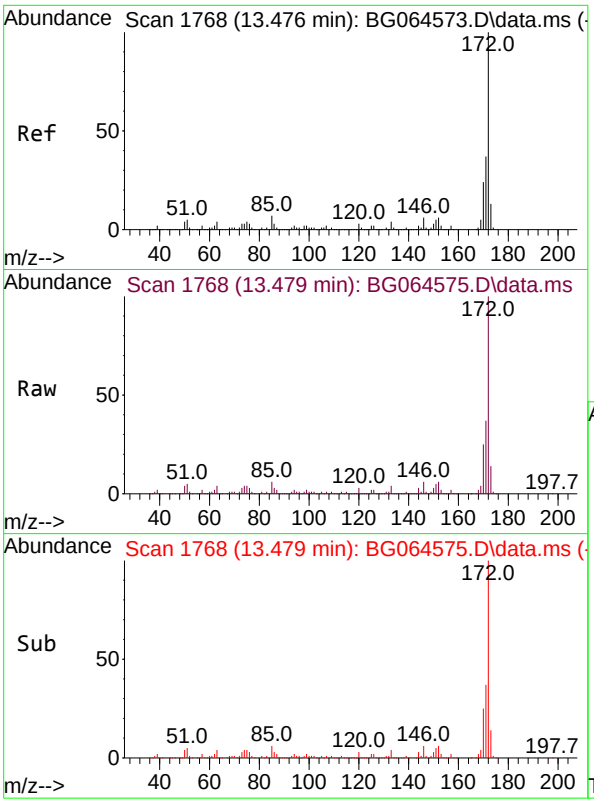


#44
2,4,5-Trichlorophenol
Concen: 82.064 ng
RT: 13.350 min Scan# 1746
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

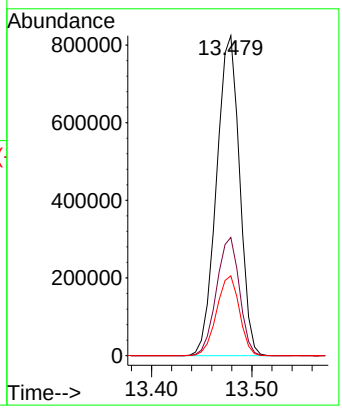




#45
2-Fluorobiphenyl
Concen: 148.960 ng
RT: 13.479 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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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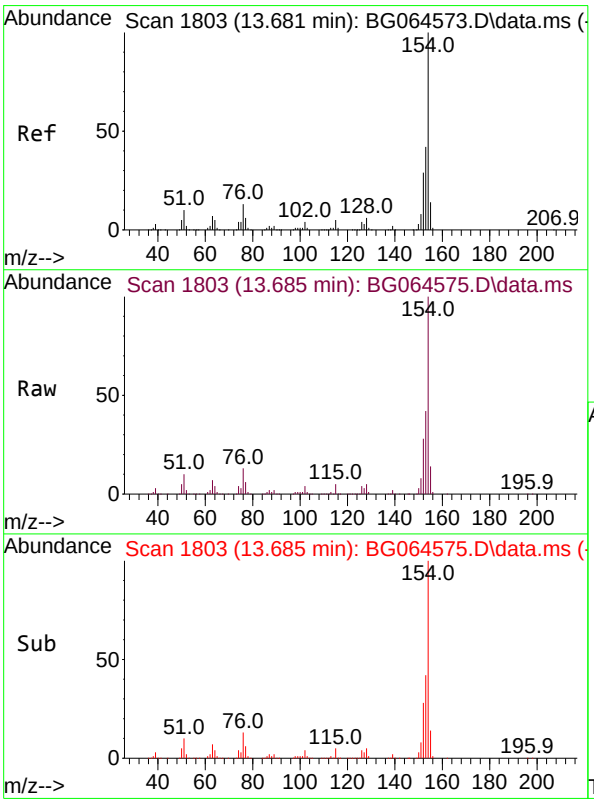
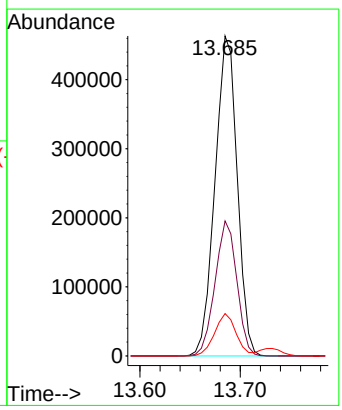
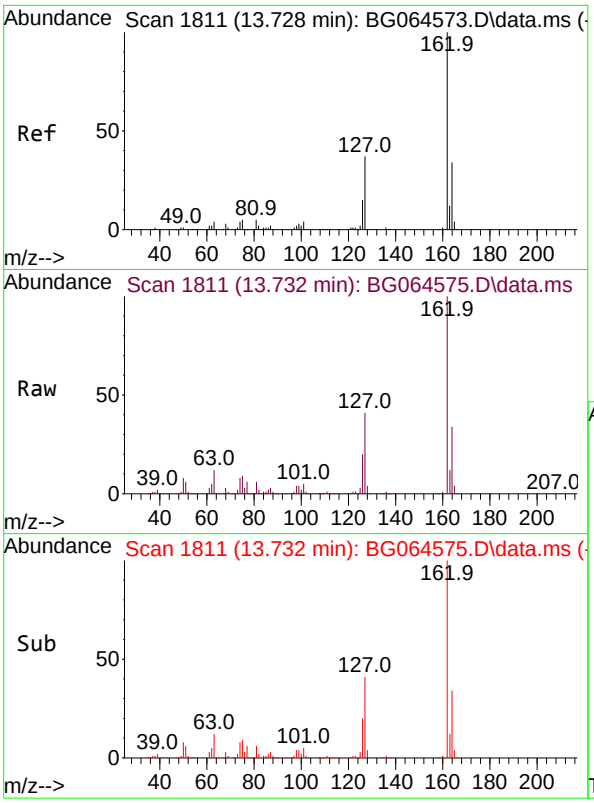


#46
1,1'-Biphenyl
Concen: 74.977 ng
RT: 13.685 min Scan# 1803
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

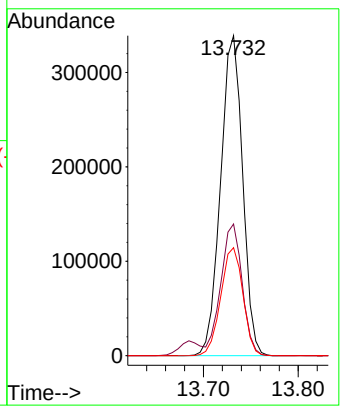




#47
2-Chloronaphthalene
Concen: 76.218 ng
RT: 13.732 min Scan# 18
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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



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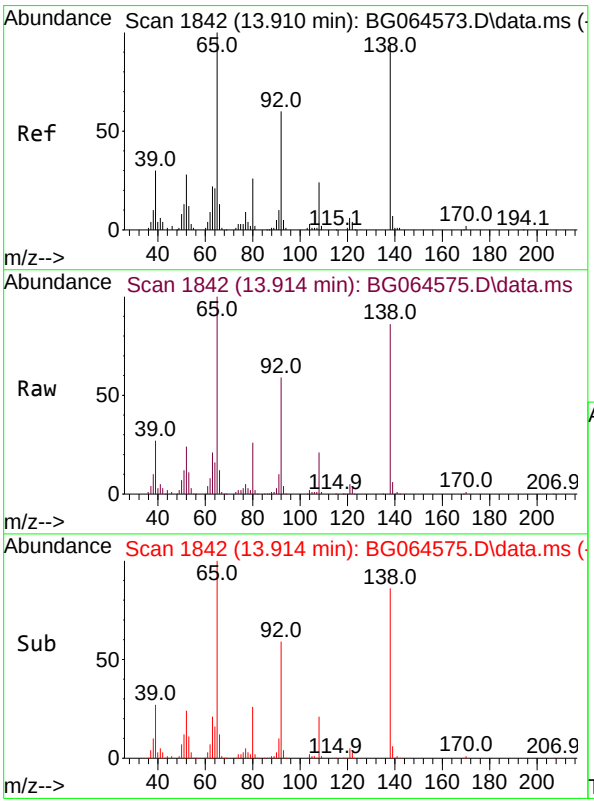
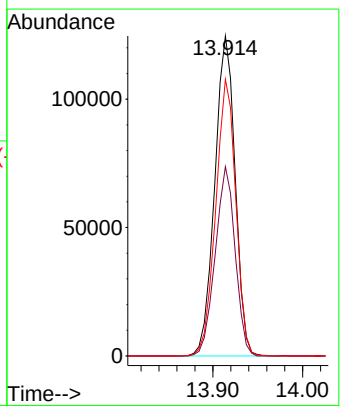
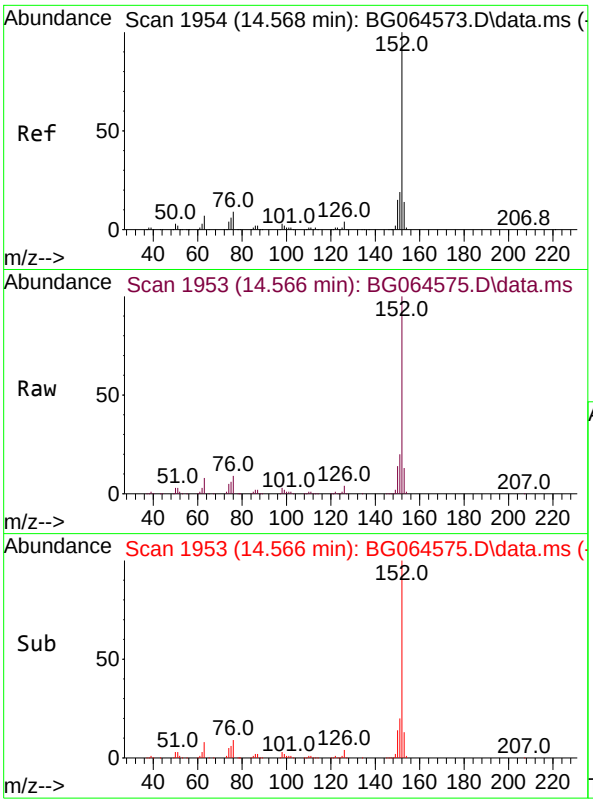


#48
2-Nitroaniline
Concen: 79.301 ng
RT: 13.914 min Scan# 1842
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

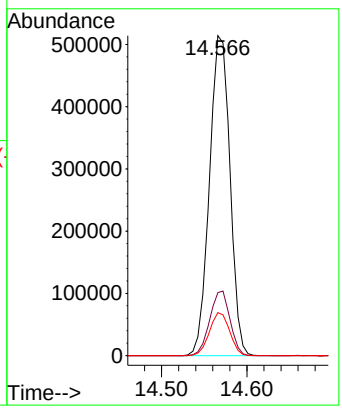




#49
Acenaphthylene
Concen: 75.806 ng
RT: 14.566 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:152 Resp: 85851

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	13.5	11.0	16.4



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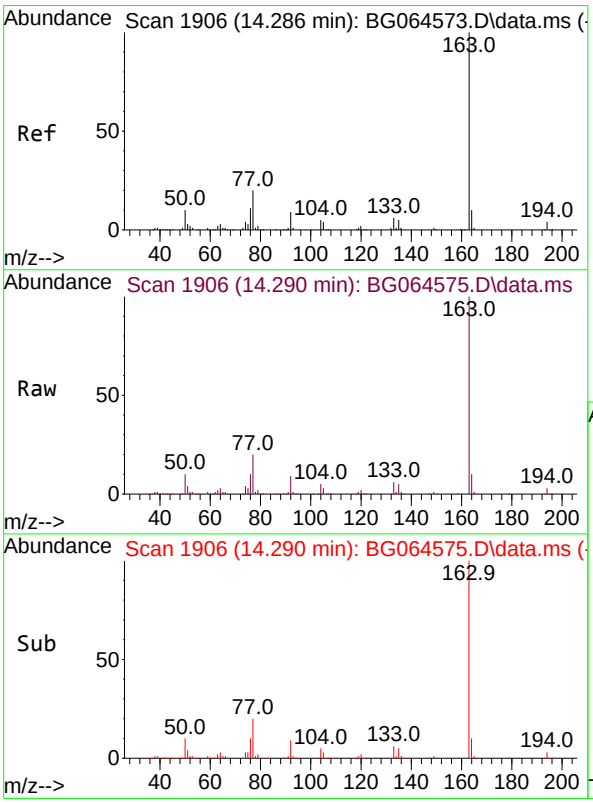
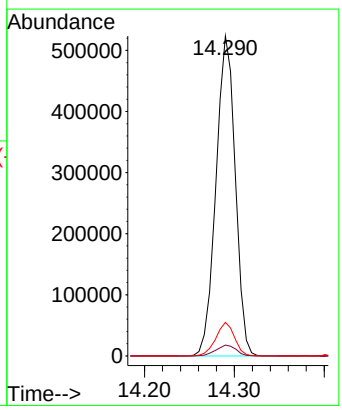
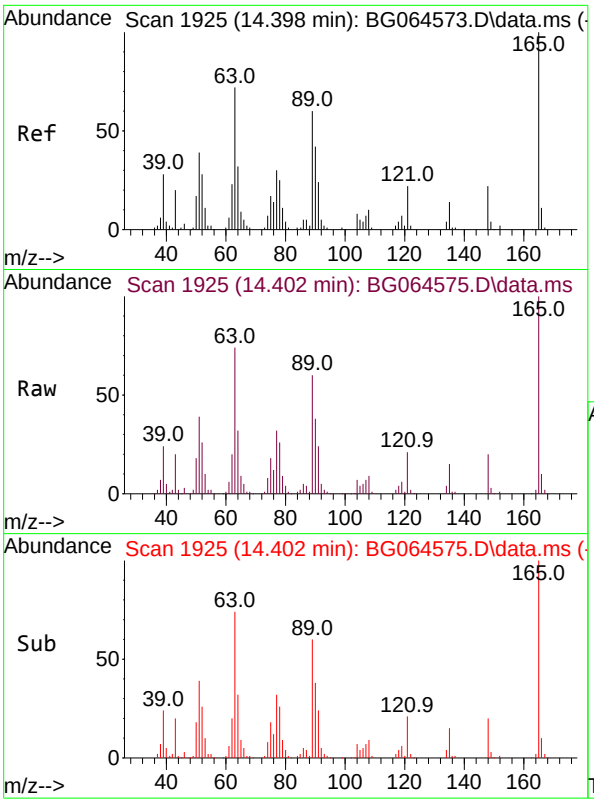


#50
Dimethylphthalate
Concen: 76.450 ng
RT: 14.290 min Scan# 1906
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

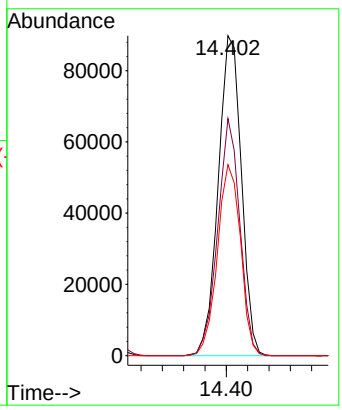




#51
2,6-Dinitrotoluene
Concen: 78.216 ng
RT: 14.402 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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



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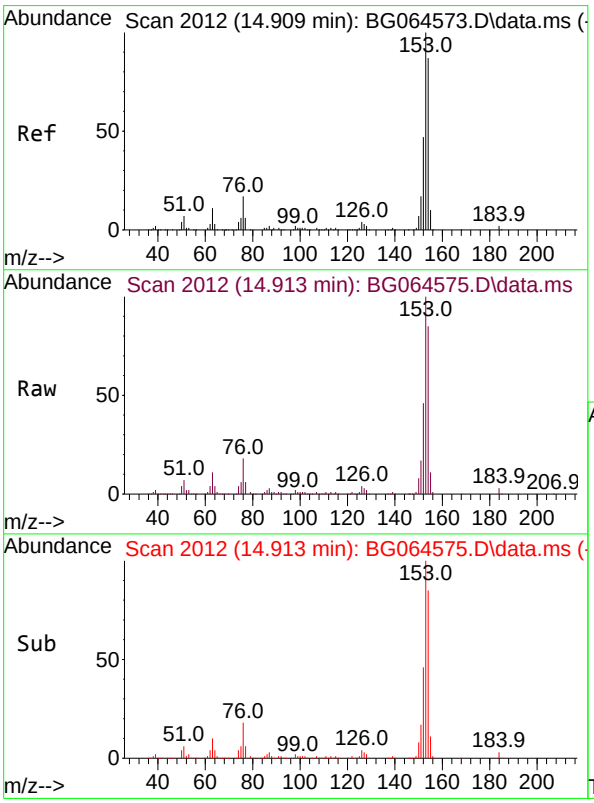
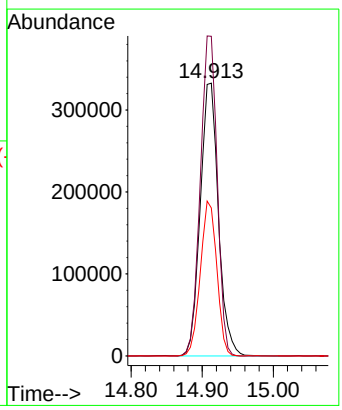
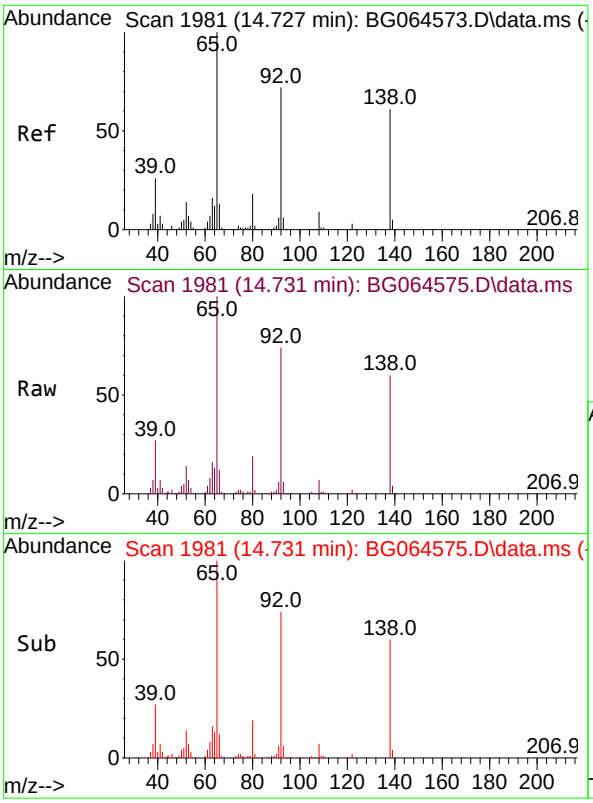


#52
Acenaphthene
Concen: 76.150 ng
RT: 14.913 min Scan# 2012
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

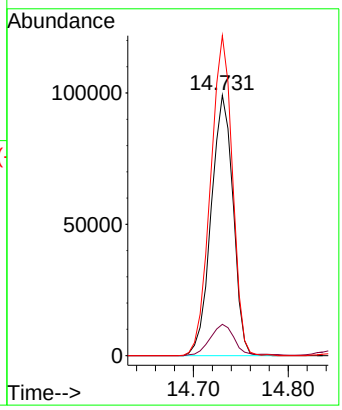




#53
3-Nitroaniline
Concen: 90.409 ng
RT: 14.731 min Scan# 19
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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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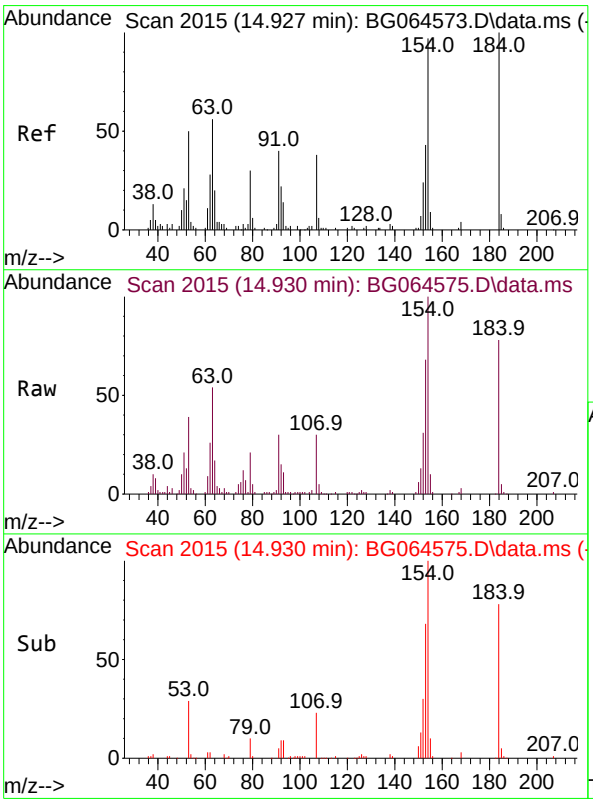
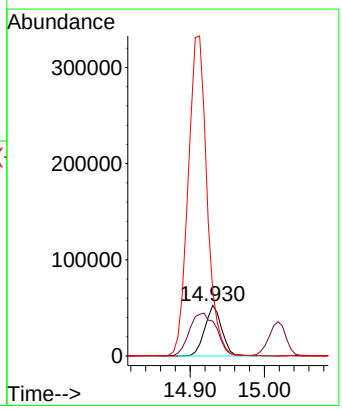
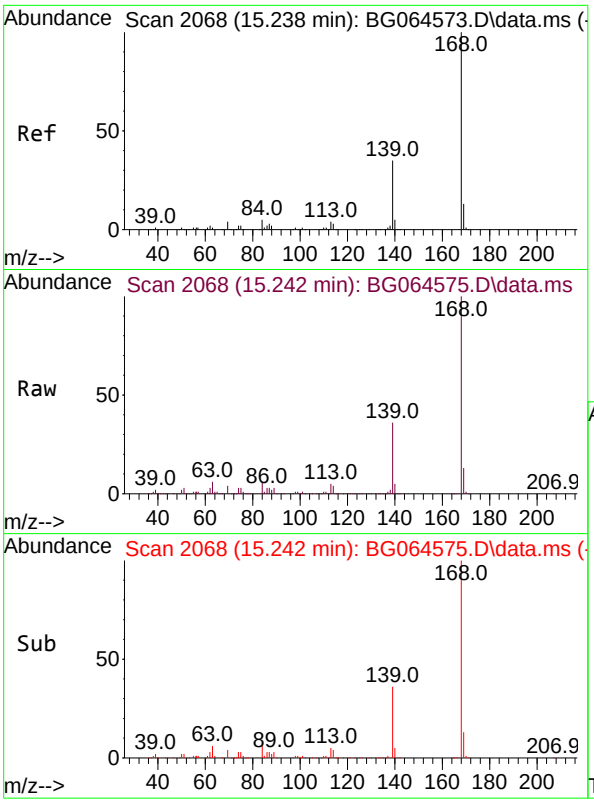


#54
2,4-Dinitrophenol
Concen: 79.755 ng
RT: 14.930 min Scan# 2015
Delta R.T. 0.003 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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#

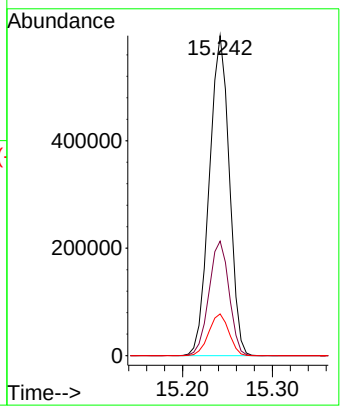




#55
Dibenzofuran
Concen: 73.816 ng
RT: 15.242 min Scan# 20
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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 :
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ClientSampleId :
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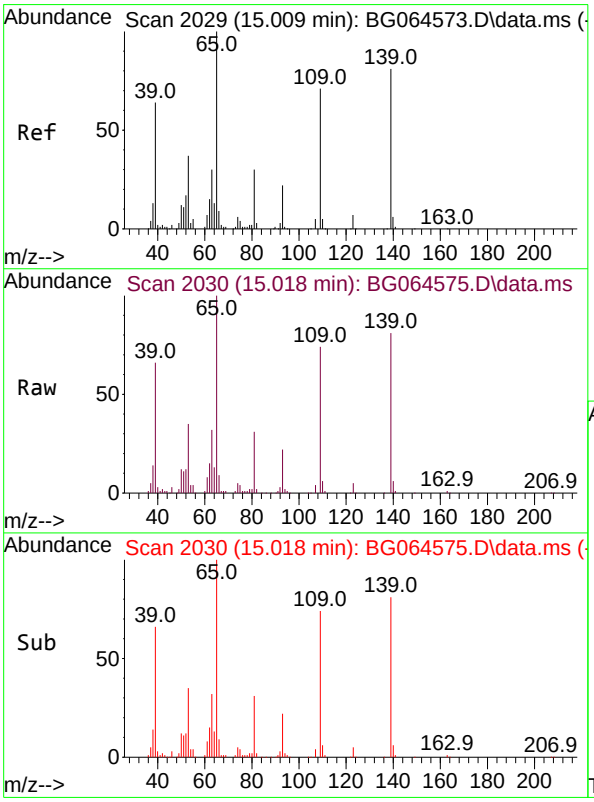
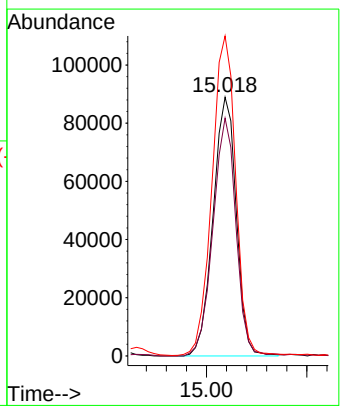
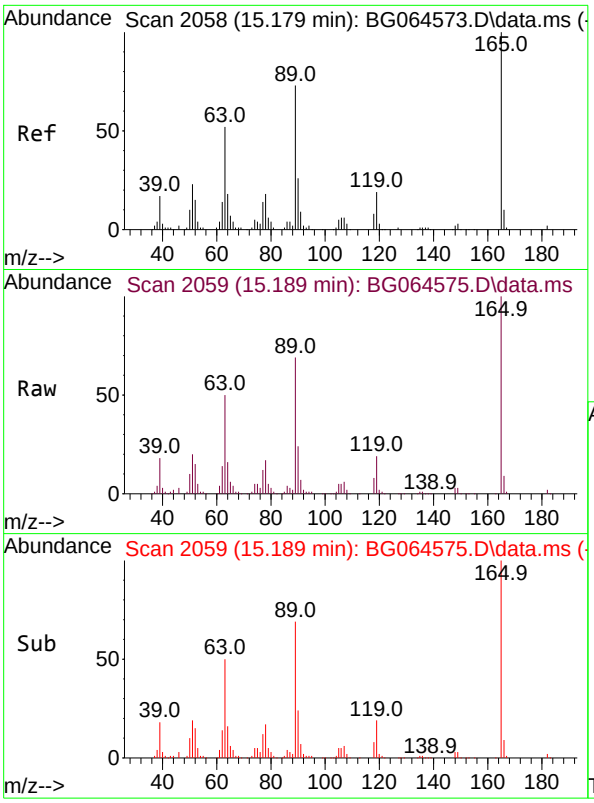


#56
4-Nitrophenol
Concen: 87.640 ng
RT: 15.018 min Scan# 2030
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

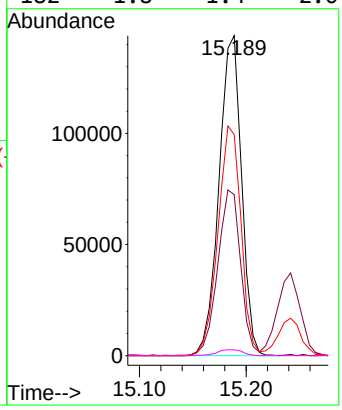




#57
2,4-Dinitrotoluene
Concen: 79.117 ng
RT: 15.189 min Scan# 2
Delta R.T. 0.010 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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 :
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ClientSampleId :
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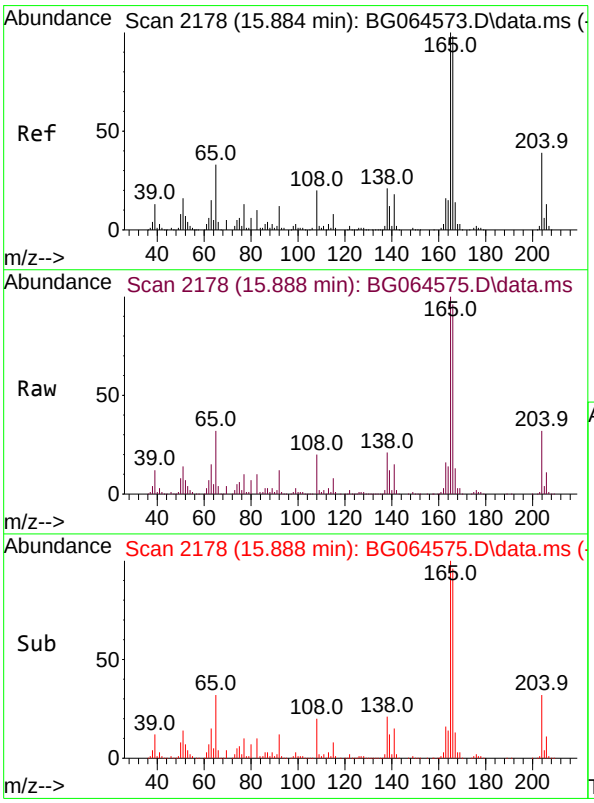
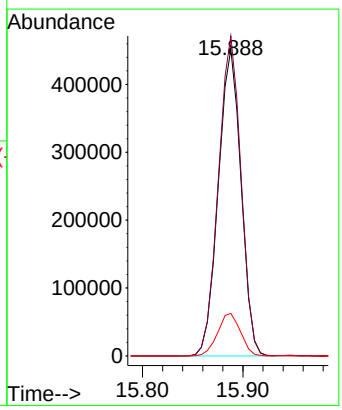
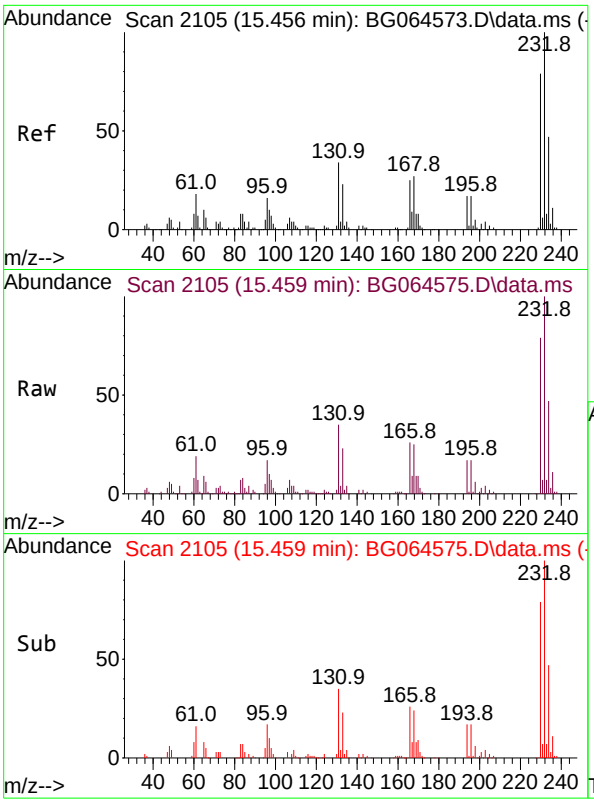


#58
Fluorene
Concen: 72.801 ng
RT: 15.888 min Scan# 2178
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

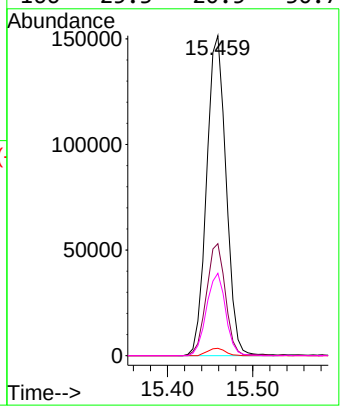




#59
2,3,4,6-Tetrachlorophenol
Concen: 84.708 ng
RT: 15.459 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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 :
BNA_G
ClientSampleId :
SSTDICC080

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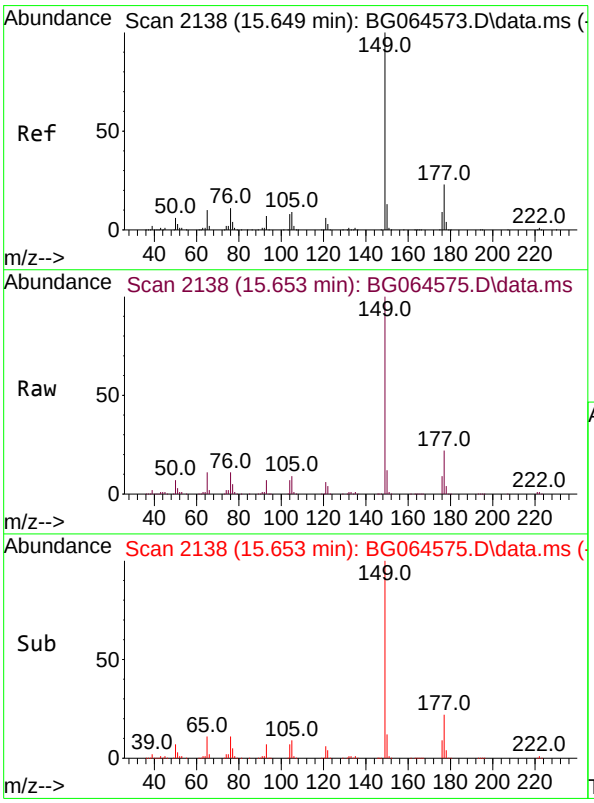
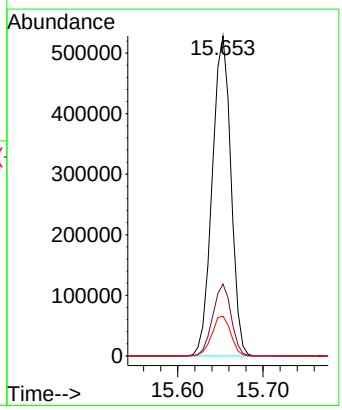
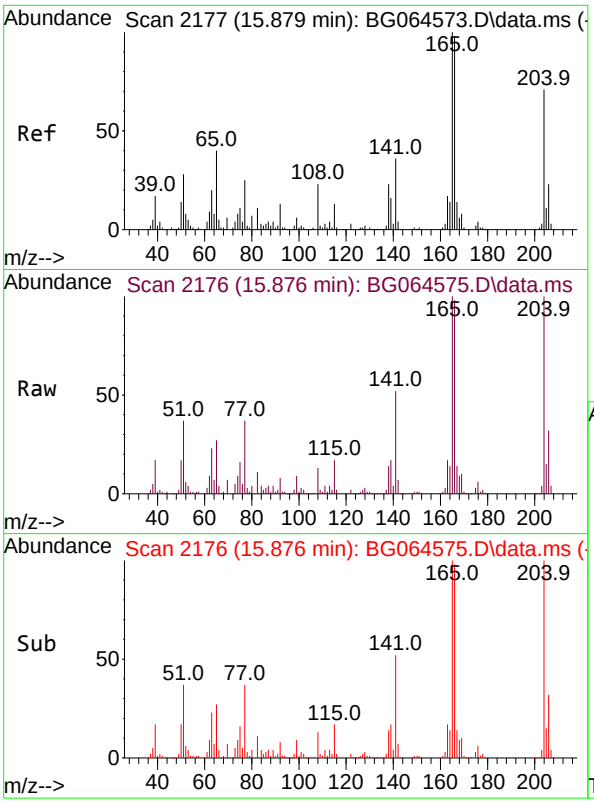


#60
Diethylphthalate
Concen: 76.874 ng
RT: 15.653 min Scan# 2138
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

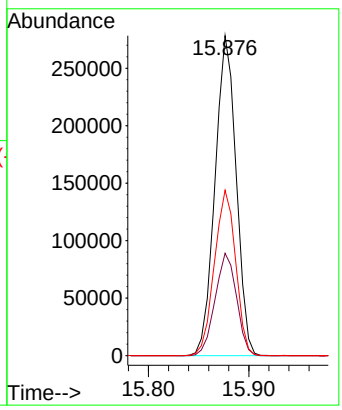




#61
4-Chlorophenyl-phenylether
Concen: 74.463 ng
RT: 15.876 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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 :
BNA_G
ClientSampleId :
SSTDICC080

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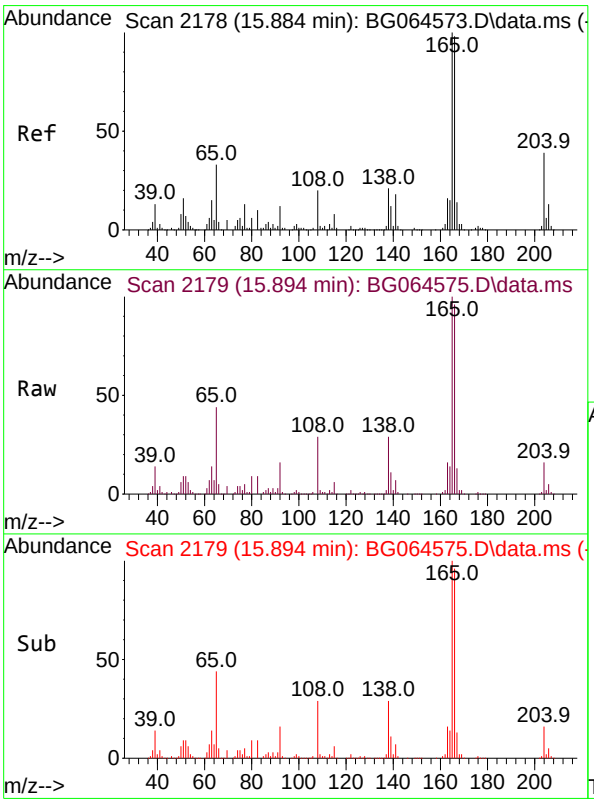
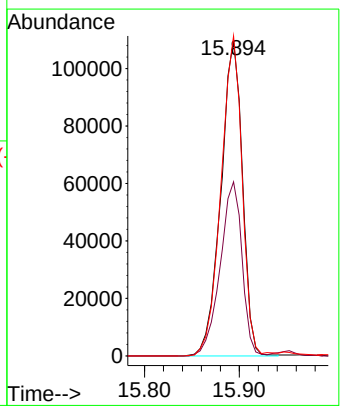
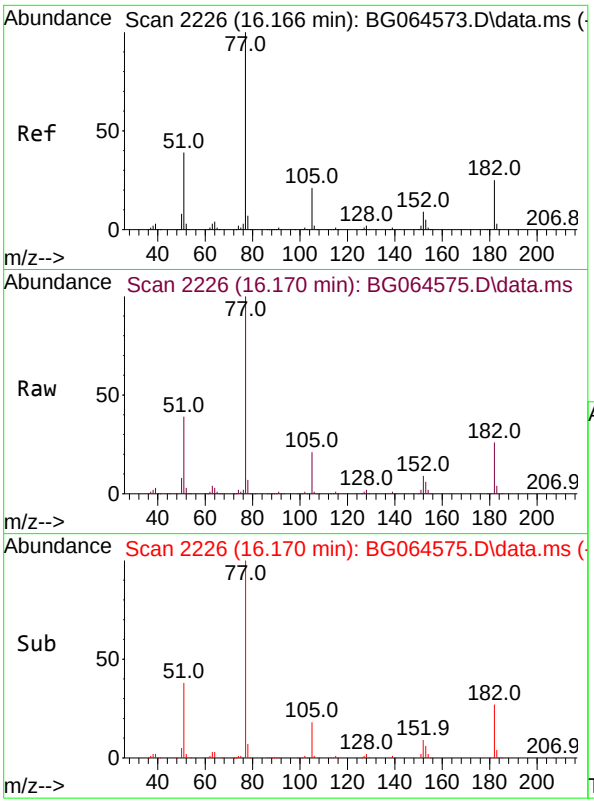


#62
4-Nitroaniline
Concen: 88.462 ng
RT: 15.894 min Scan# 2179
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

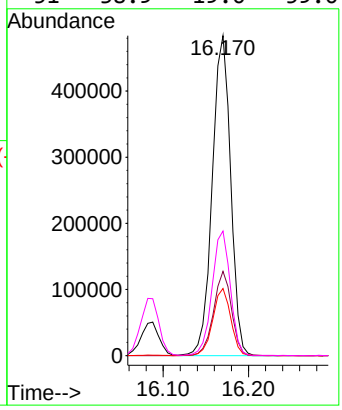




#63
Azobenzene
Concen: 75.482 ng
RT: 16.170 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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 :
SSTDICC080

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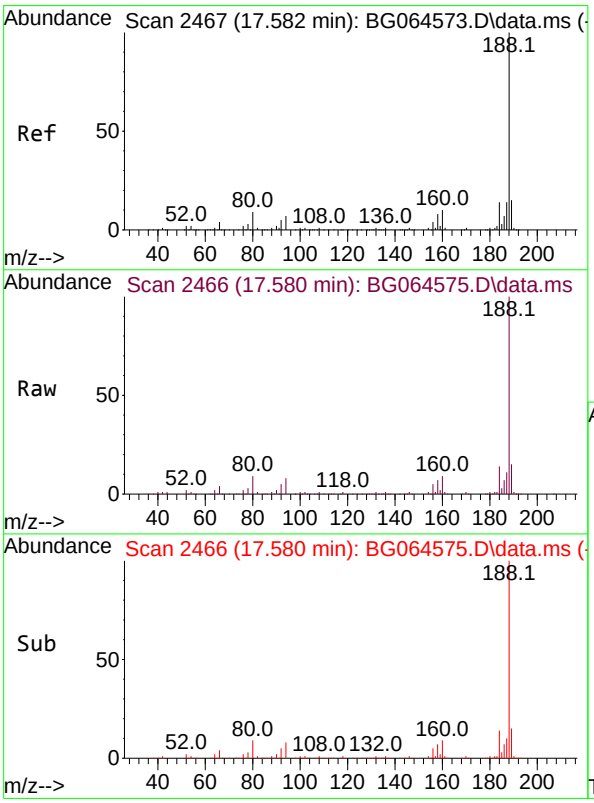
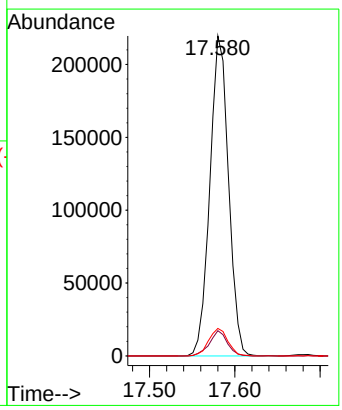
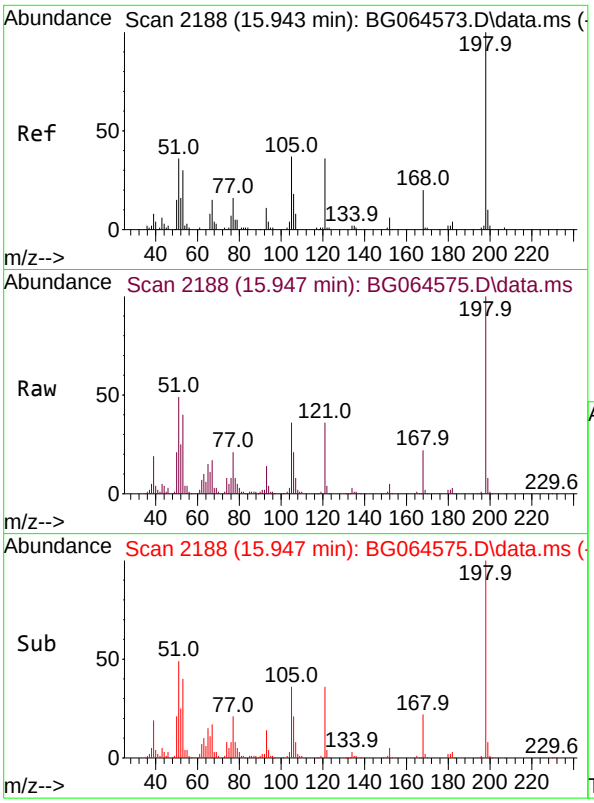


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2466
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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. 0.004 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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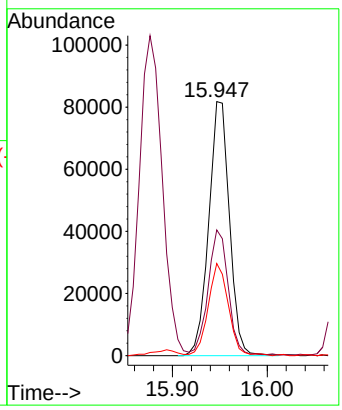
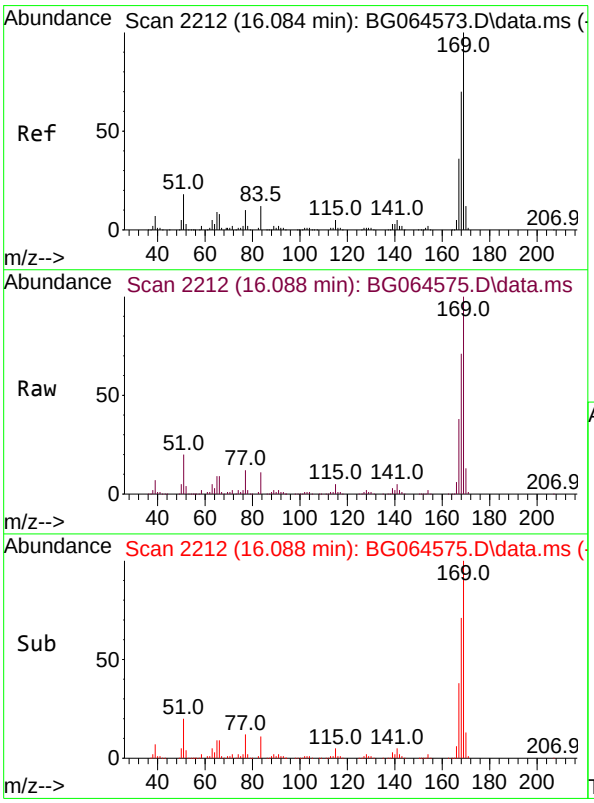
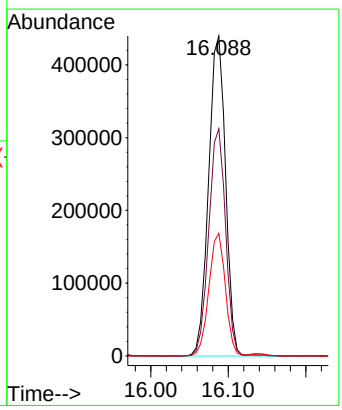


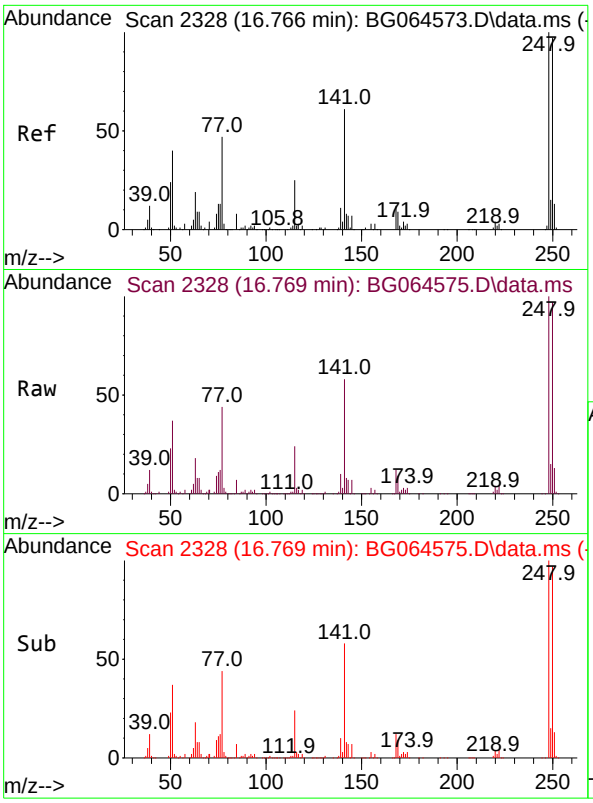


#66
n-Nitrosodiphenylamine
Concen: 74.020 ng
RT: 16.088 min Scan# 2212
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

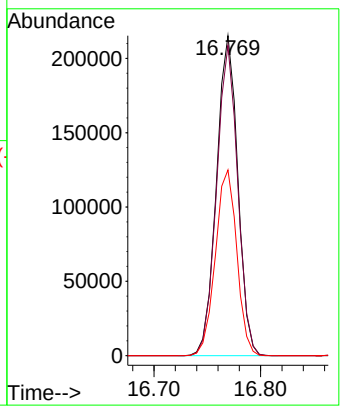




#67
4-Bromophenyl-phenylether
Concen: 75.762 ng
RT: 16.769 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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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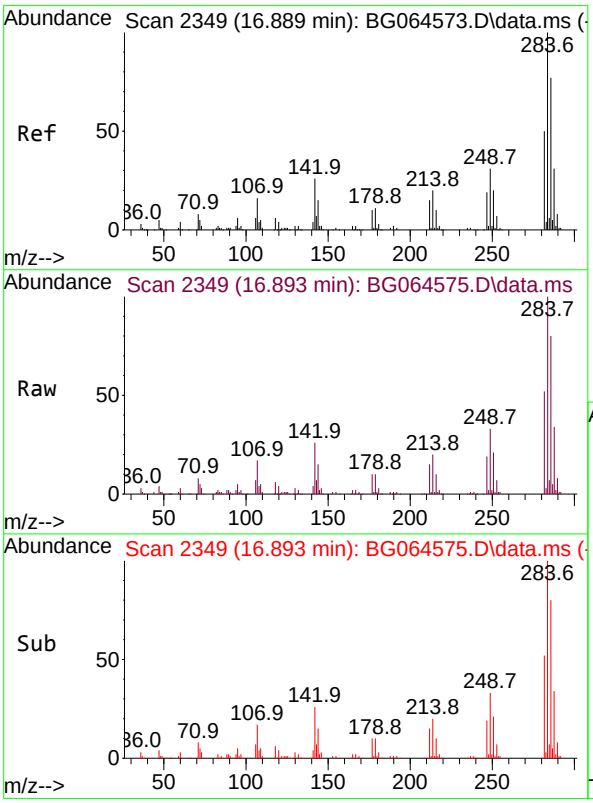
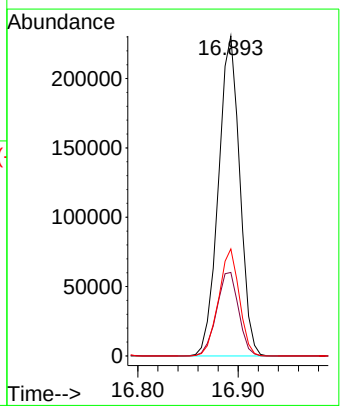
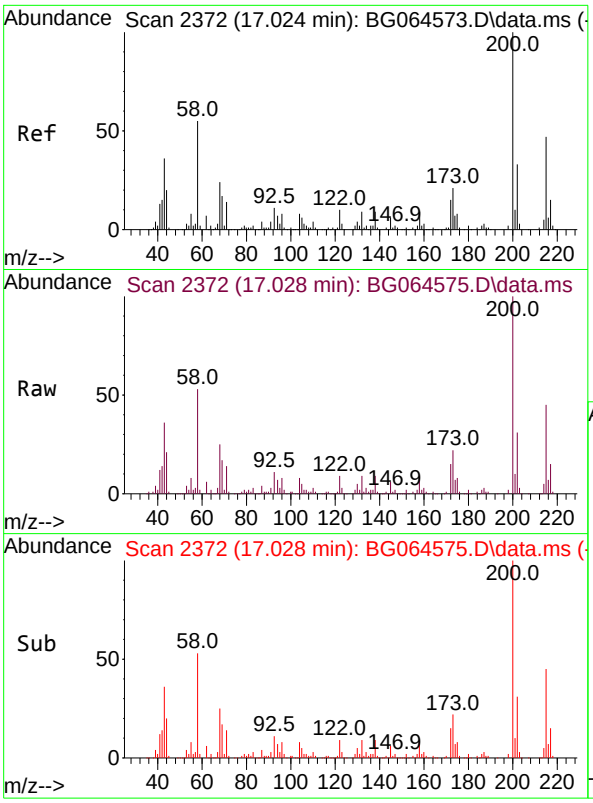


#68
Hexachlorobenzene
Concen: 75.724 ng
RT: 16.893 min Scan# 2349
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

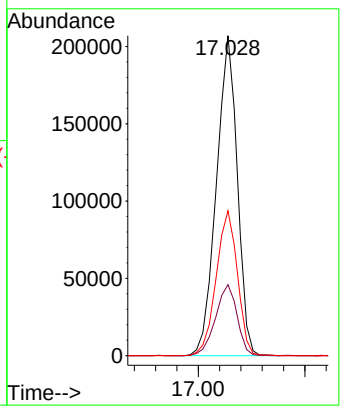




#69
Atrazine
Concen: 72.745 ng
RT: 17.028 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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 :
BNA_G
ClientSampleId :
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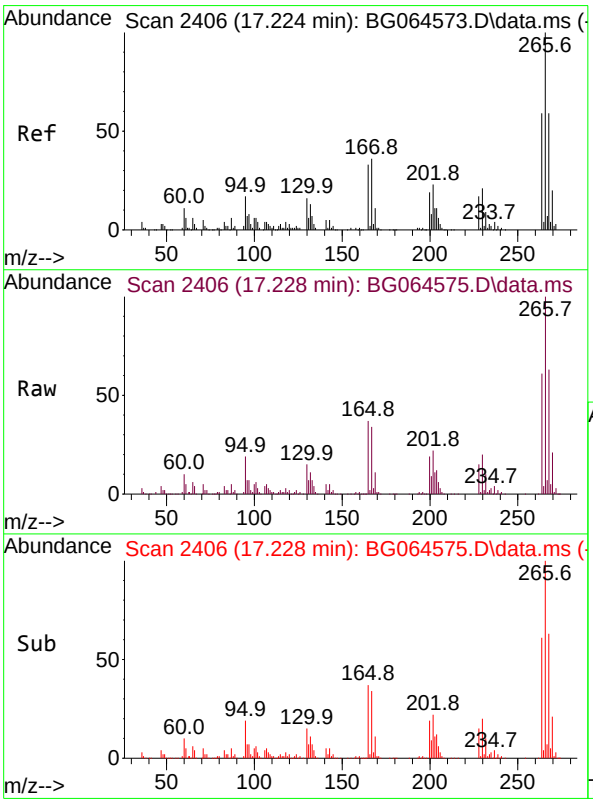
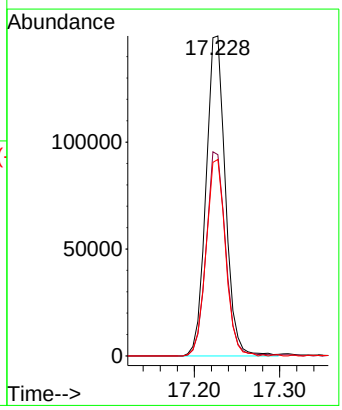
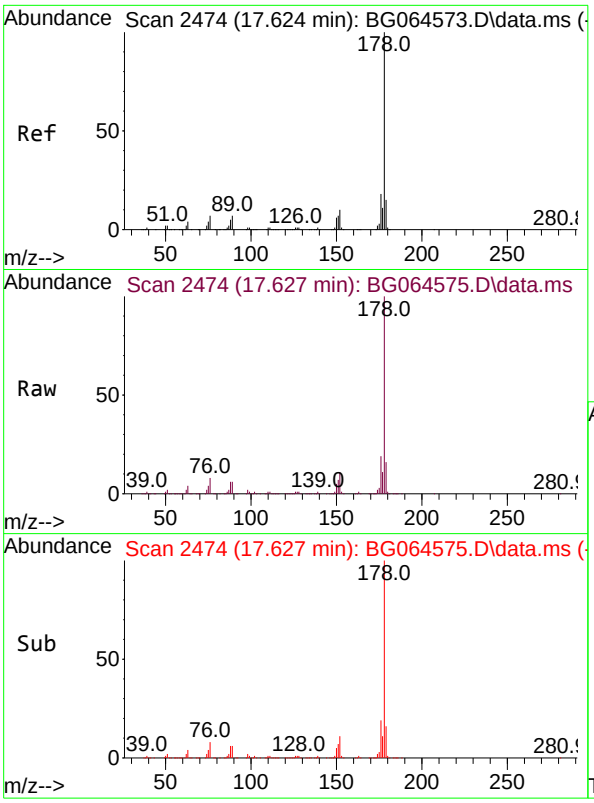


#70
Pentachlorophenol
Concen: 83.771 ng
RT: 17.228 min Scan# 2406
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

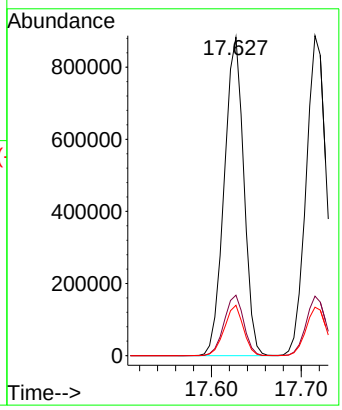




#71
Phenanthrene
Concen: 73.525 ng
RT: 17.627 min Scan# 24
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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 :
SSTDICC080

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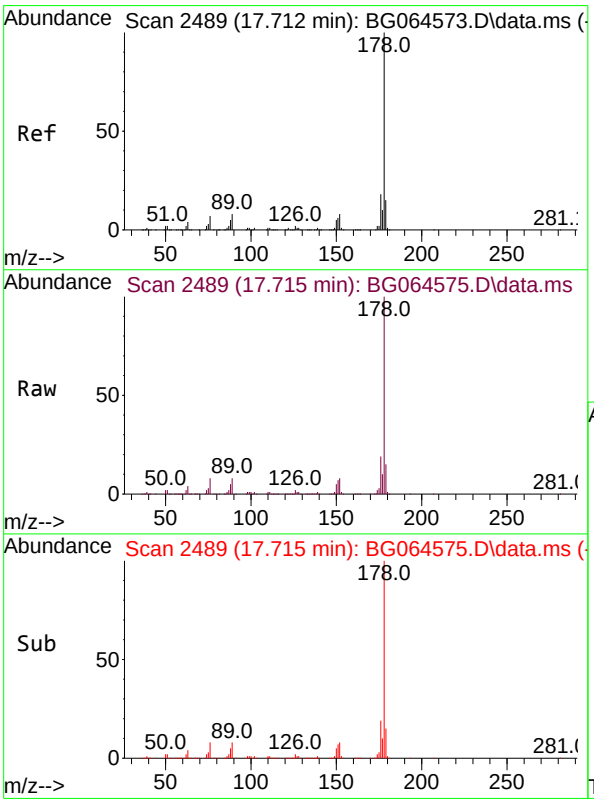
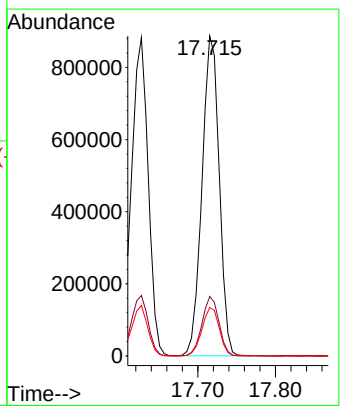
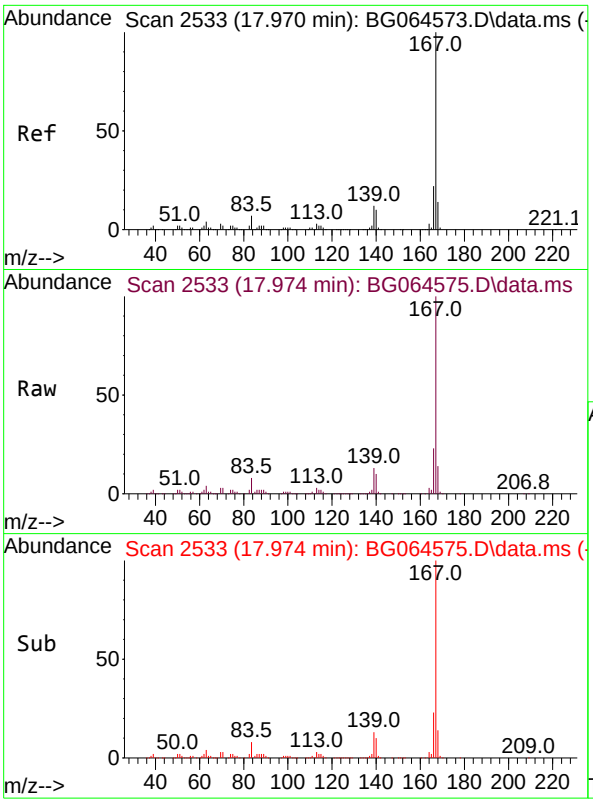


#72
Anthracene
Concen: 73.704 ng
RT: 17.715 min Scan# 2489
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

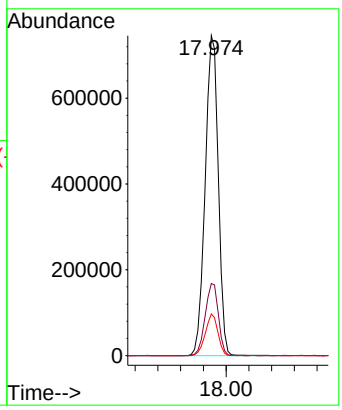




#73
Carbazole
Concen: 73.122 ng
RT: 17.974 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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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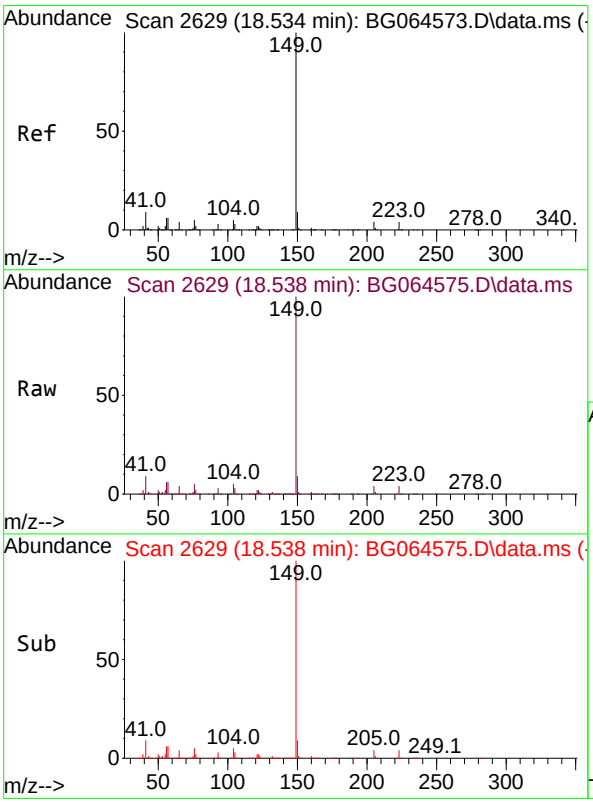
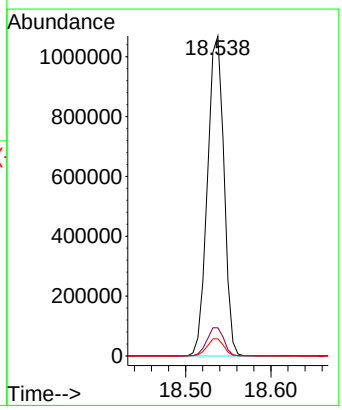
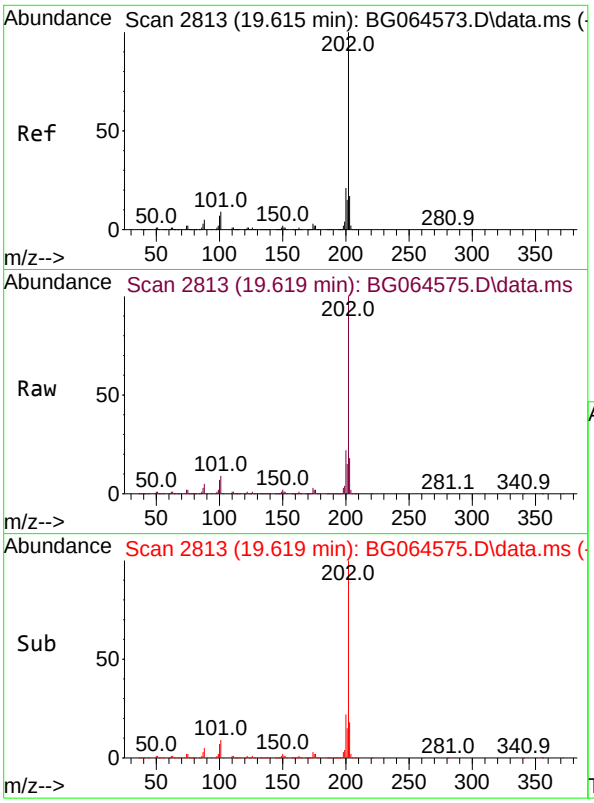


#74
Di-n-butylphthalate
Concen: 75.790 ng
RT: 18.538 min Scan# 2629
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

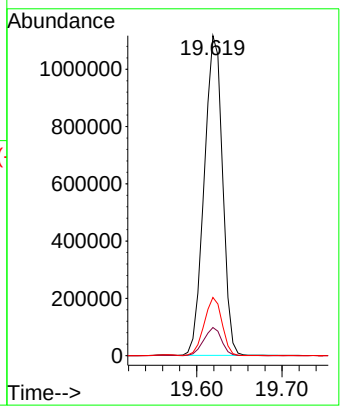




#75
Fluoranthene
Concen: 72.835 ng
RT: 19.619 min Scan# 28
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

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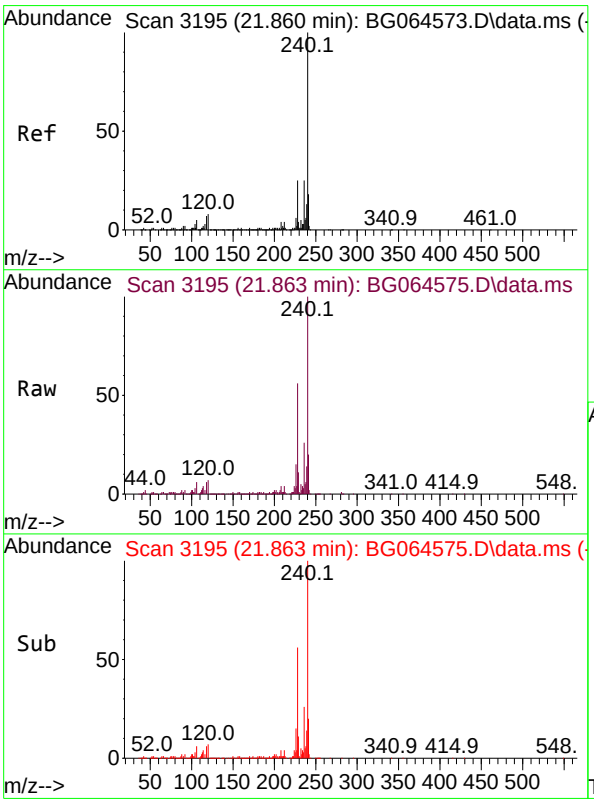
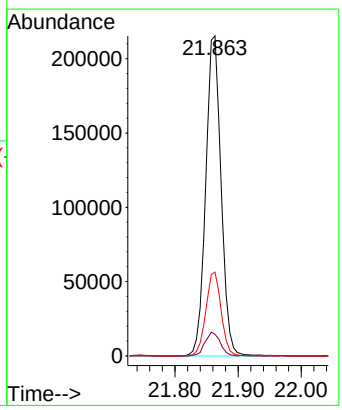
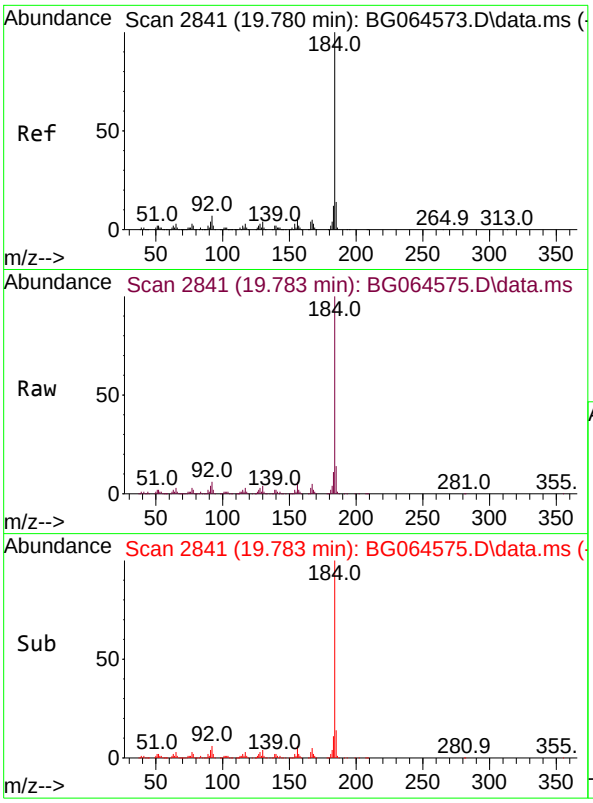


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.863 min Scan# 3195
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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. 0.004 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

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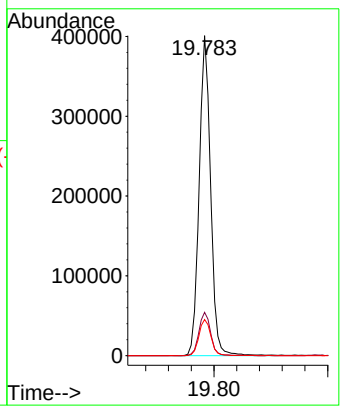
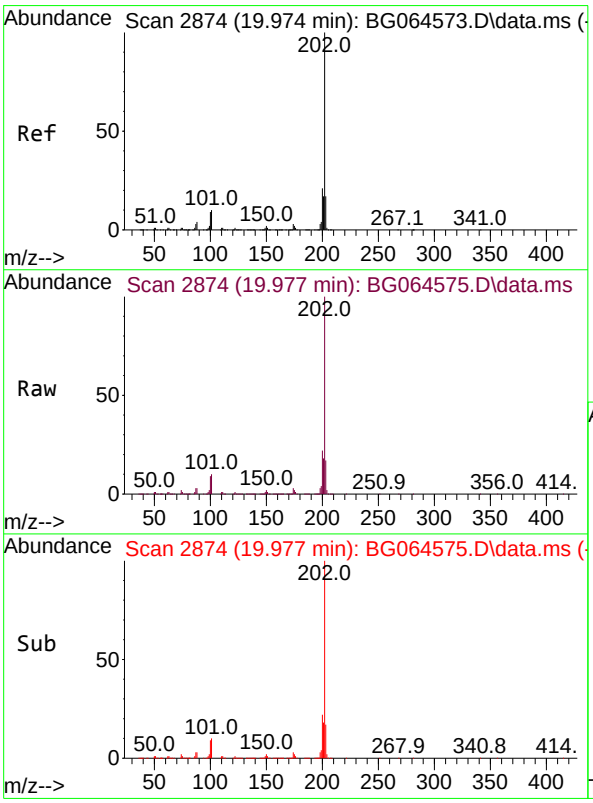
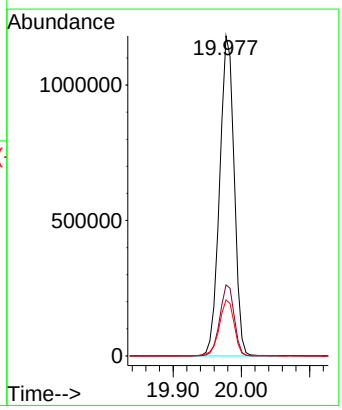


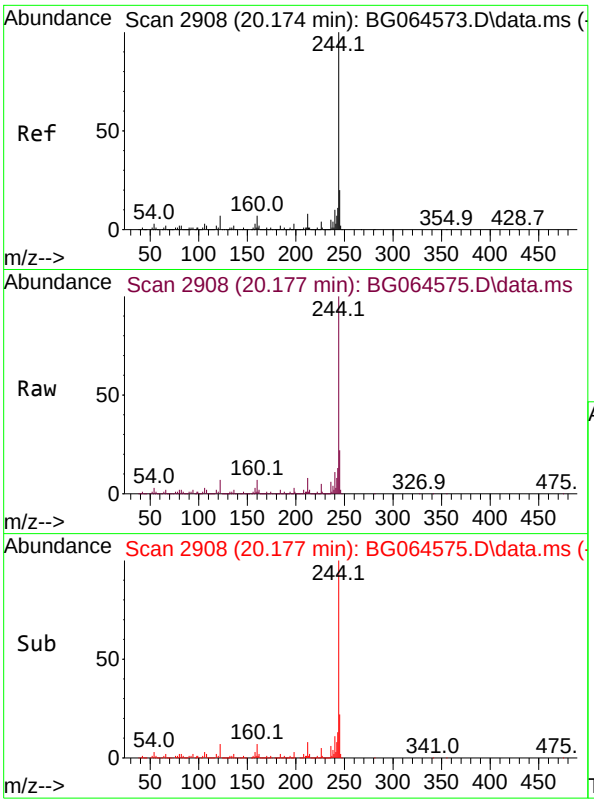


#78
Pyrene
Concen: 73.215 ng
RT: 19.977 min Scan# 2874
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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. 0.004 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

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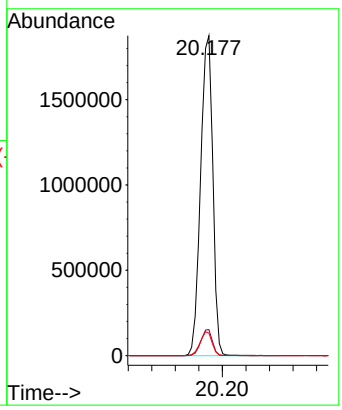
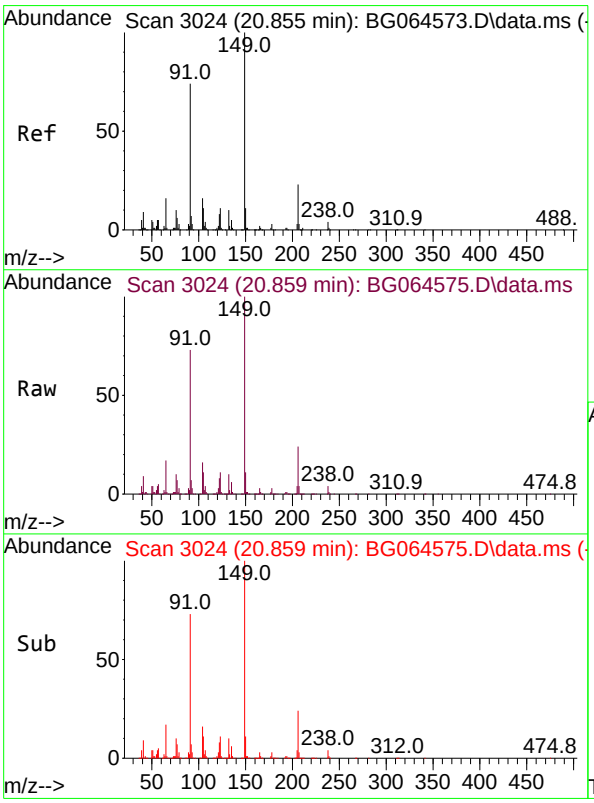
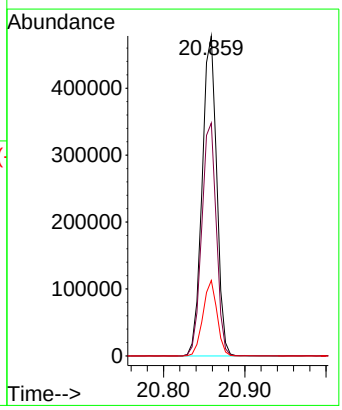


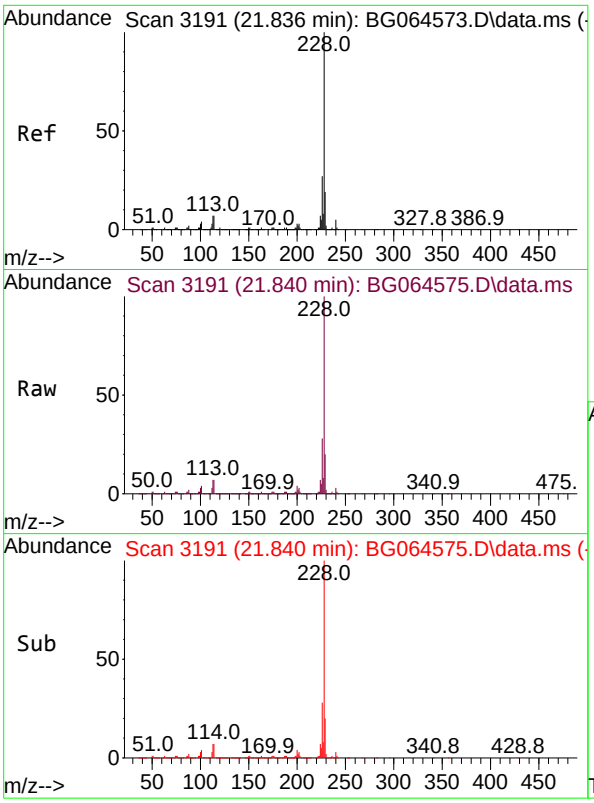


#80
Butylbenzylphthalate
Concen: 82.988 ng
RT: 20.859 min Scan# 3024
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

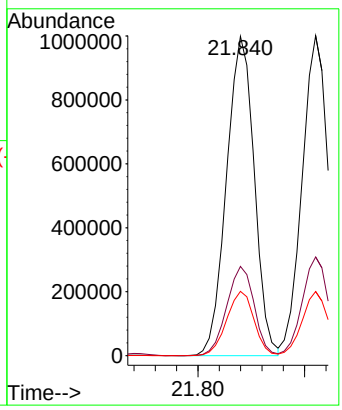




#81
Benzo(a)anthracene
Concen: 74.959 ng
RT: 21.840 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

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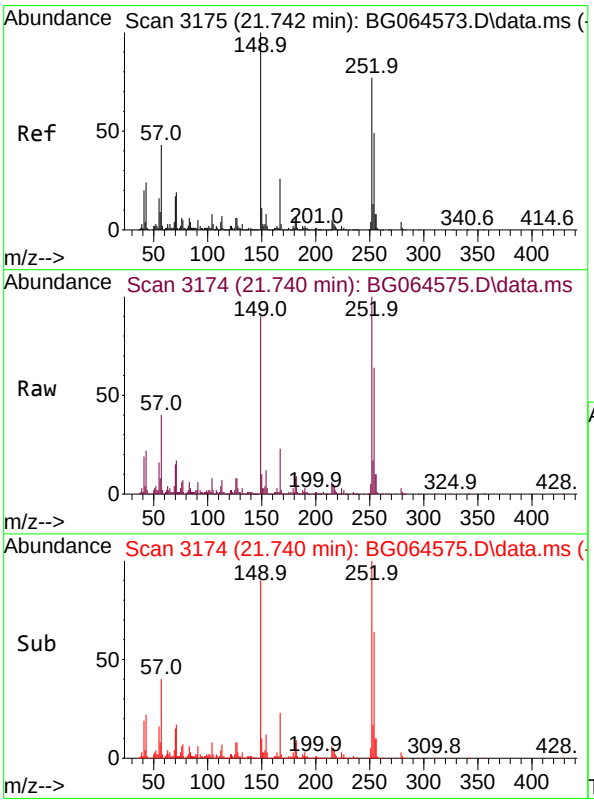
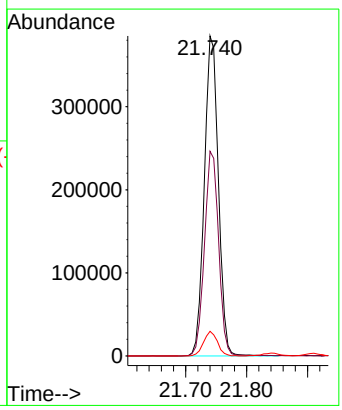
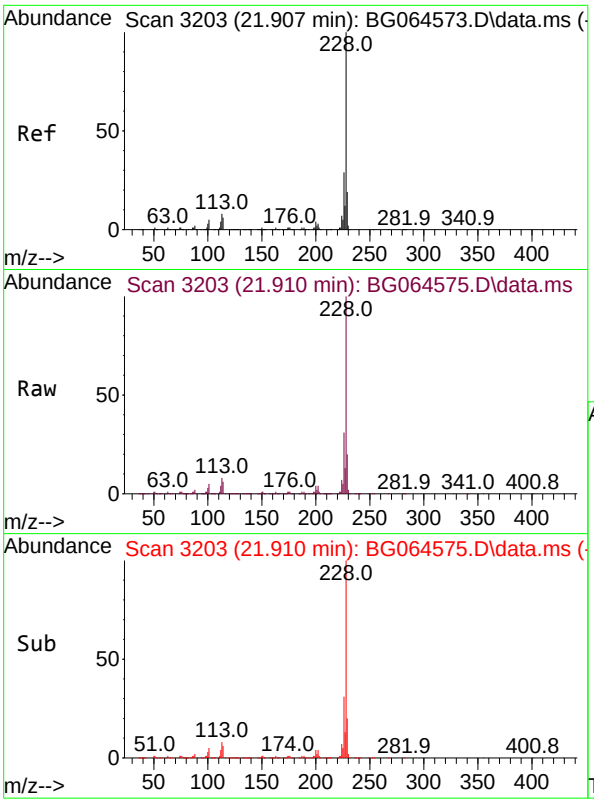


#82
3,3'-Dichlorobenzidine
Concen: 76.524 ng
RT: 21.740 min Scan# 3174
Delta R.T. -0.002 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

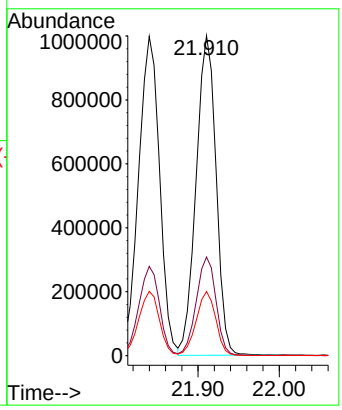




#83
Chrysene
Concen: 74.368 ng
RT: 21.910 min Scan# 3
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

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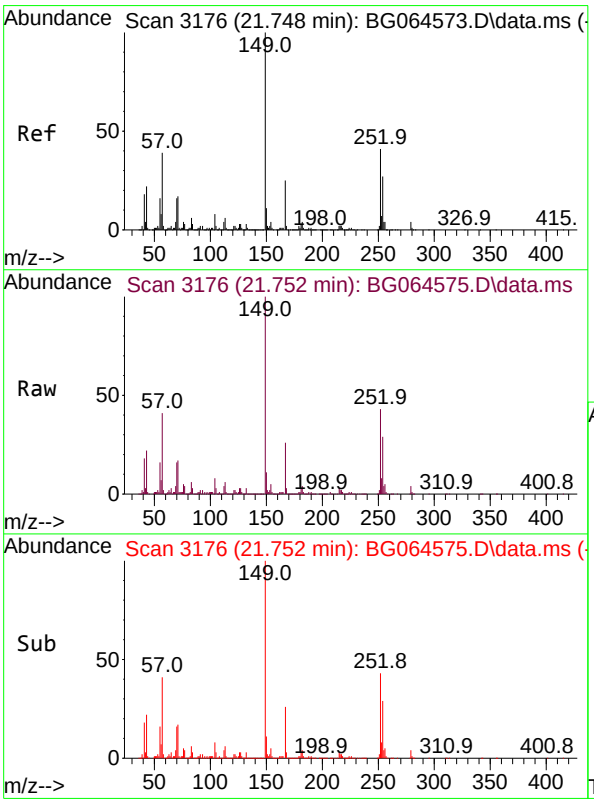
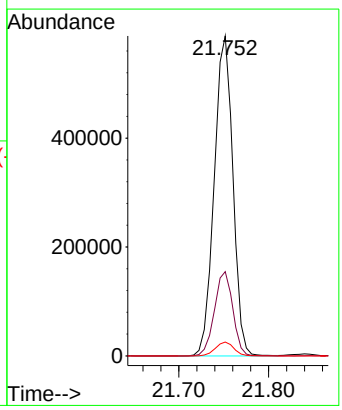
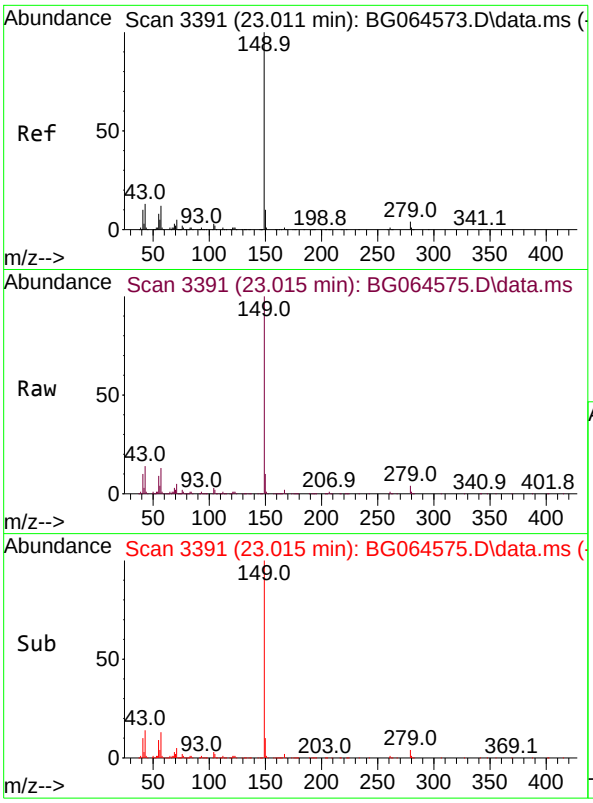


#84
Bis(2-ethylhexyl)phthalate
Concen: 79.672 ng
RT: 21.752 min Scan# 3176
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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. 0.004 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

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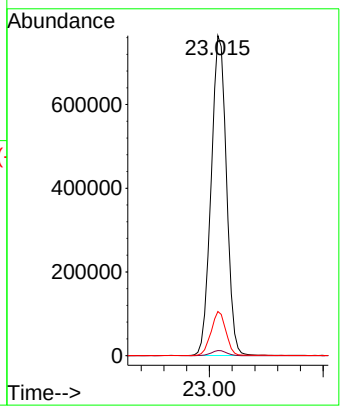
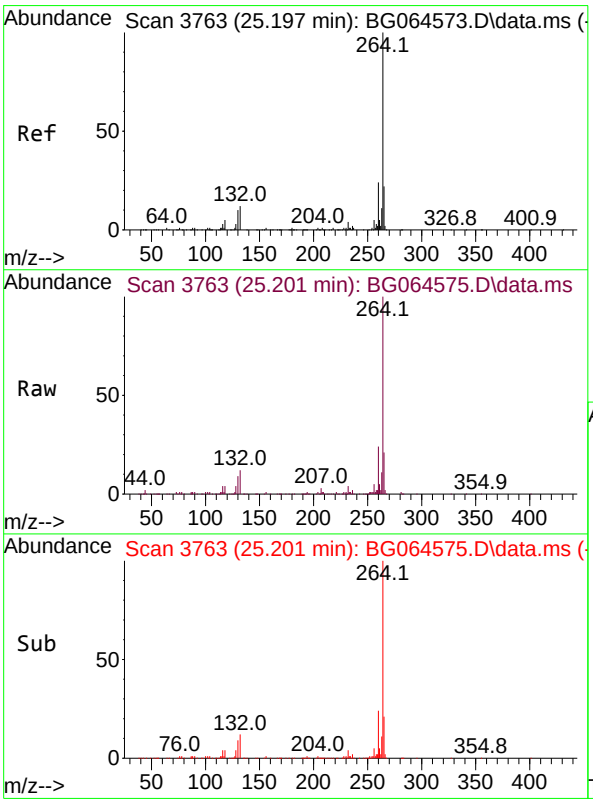
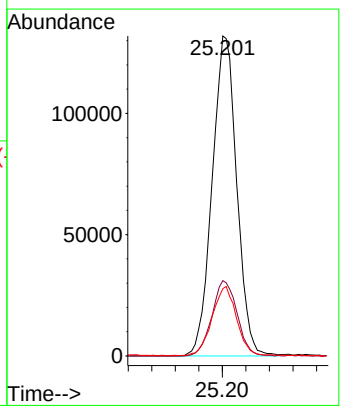


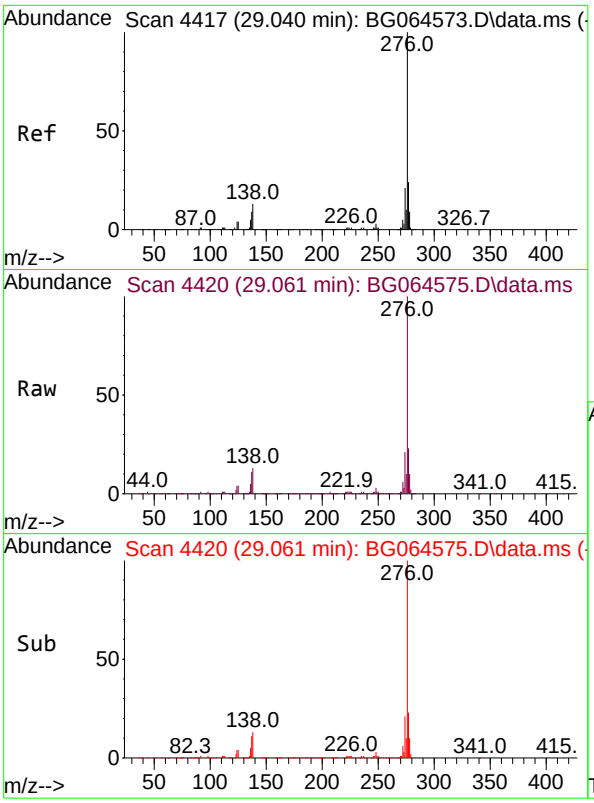


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.201 min Scan# 3763
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

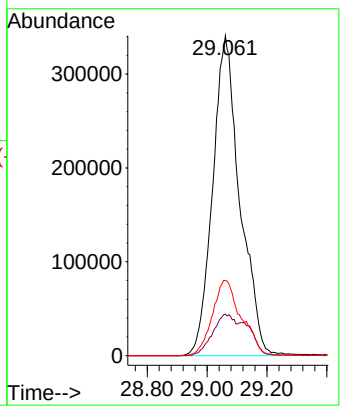




#87
Indeno(1,2,3-cd)pyrene
Concen: 76.663 ng
RT: 29.061 min Scan# 44
Delta R.T. 0.021 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

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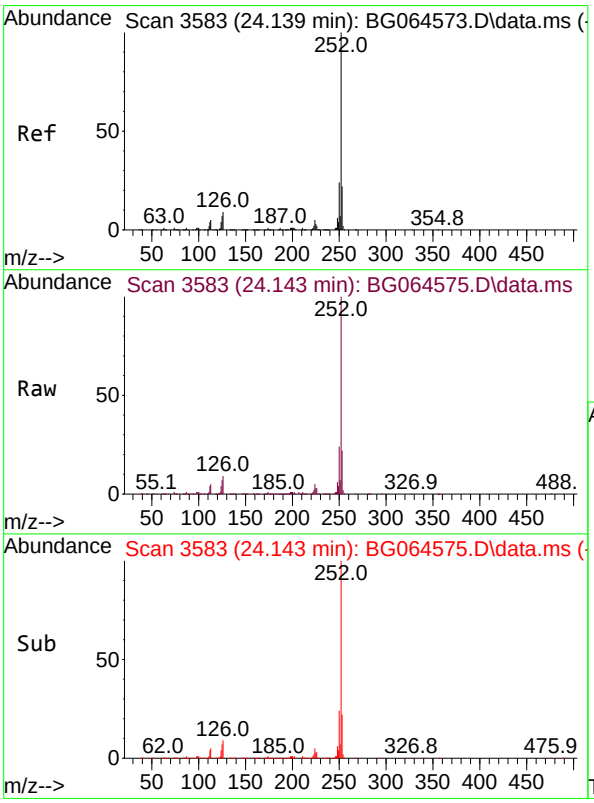
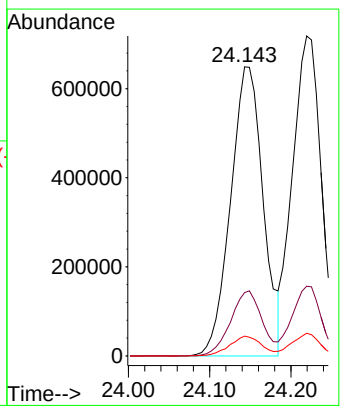
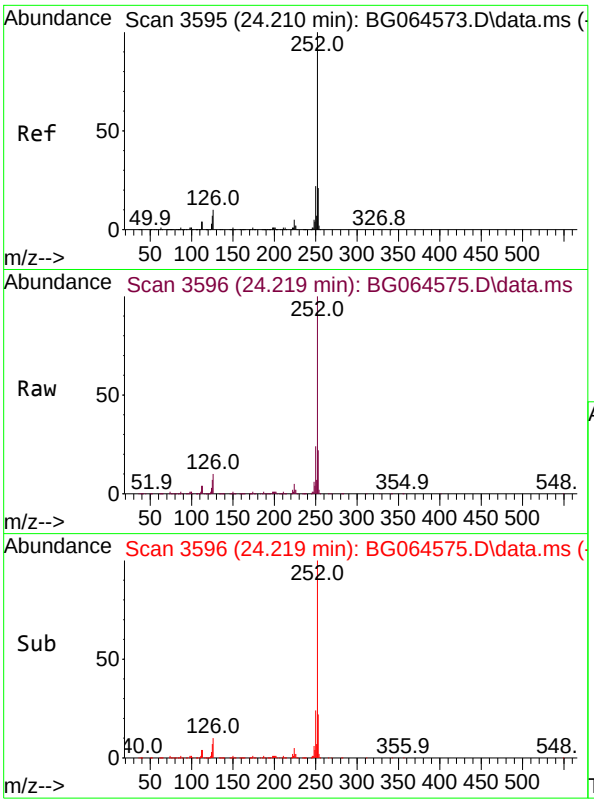


#88
Benzo(b)fluoranthene
Concen: 77.199 ng
RT: 24.143 min Scan# 3583
Delta R.T. 0.004 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

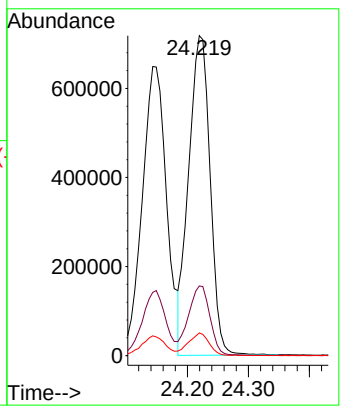




#89
Benzo(k)fluoranthene
Concen: 74.916 ng
RT: 24.219 min Scan# 3
Delta R.T. 0.009 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 175775

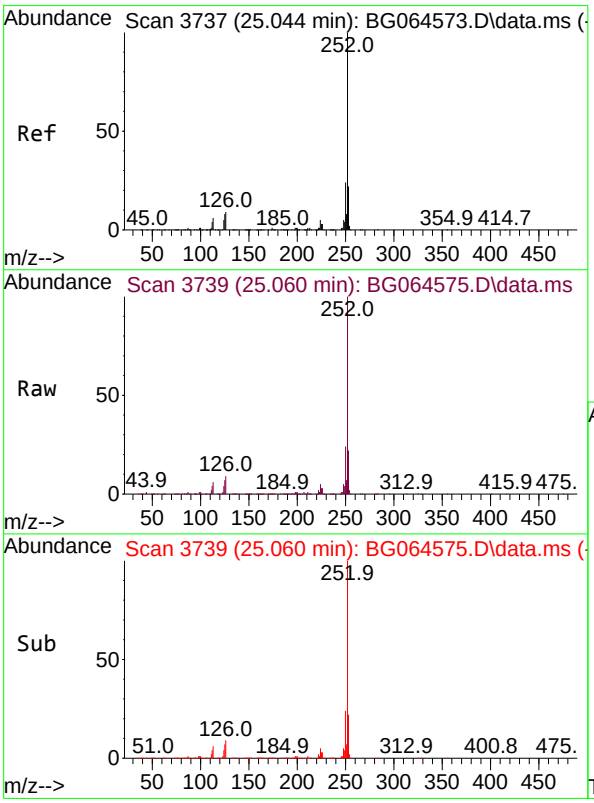
Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.8	25.2
125	7.1	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

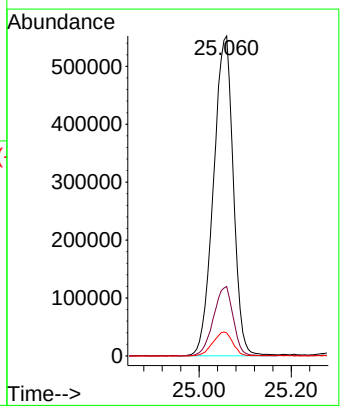
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

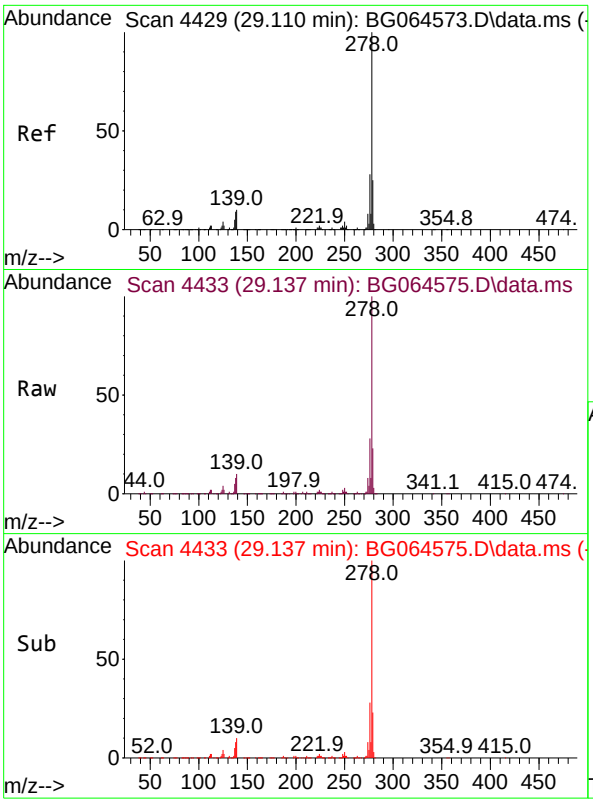


#90
Benzo(a)pyrene
Concen: 76.546 ng
RT: 25.060 min Scan# 3739
Delta R.T. 0.015 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

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

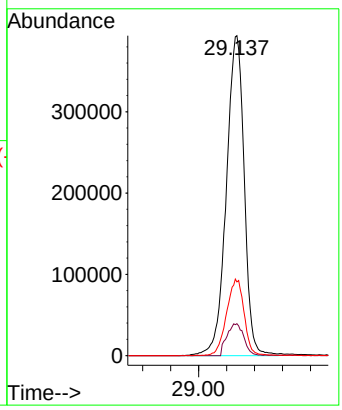




#91
Dibenzo(a,h)anthracene
Concen: 76.486 ng
RT: 29.137 min Scan# 44
Delta R.T. 0.027 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:278 Resp: 174789

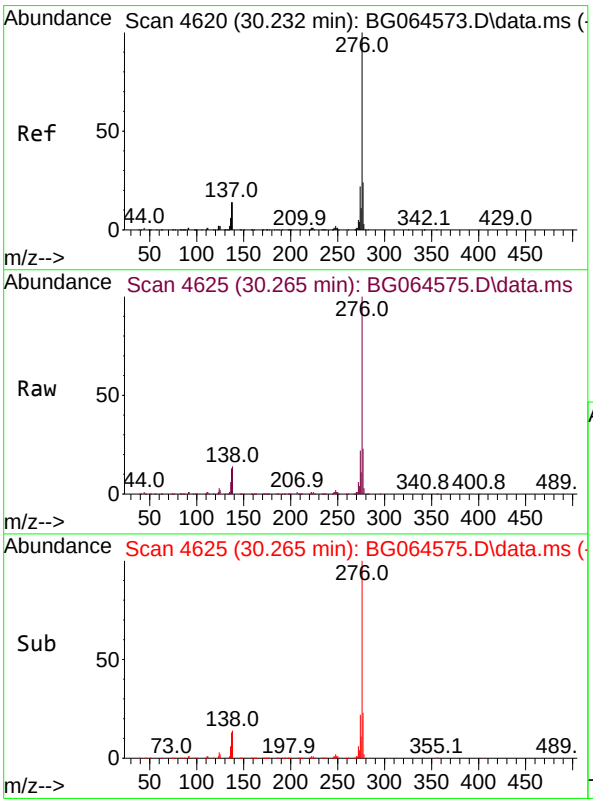
Ion	Ratio	Lower	Upper
278	100		
139	10.0	8.0	12.0
279	23.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

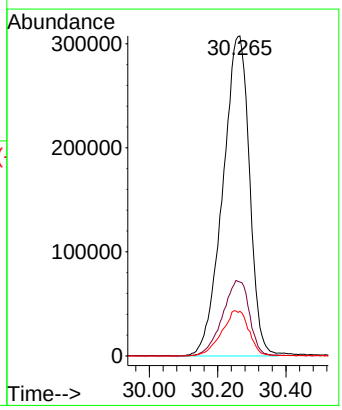
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 76.498 ng
RT: 30.265 min Scan# 4625
Delta R.T. 0.033 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:276 Resp: 1669976

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.1	28.7
138	13.9	11.3	16.9



Quantitation Report (QT Reviewed)

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 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		0.01
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	7.630	93	139360	47.894	ng		95
12) 1,3-Dichlorobenzene	8.112	146	146905	46.758	ng		98
13) 1,4-Dichlorobenzene	8.259	146	151083	47.293	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	8.653	107	126868	48.282	ng		94
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	135402	49.988	ng		96
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	97970m	47.410	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	46.666	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

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

Quant Time: Nov 03 18:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

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	30.245	276	1039447	47.184	ng		99

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

ICAL Form

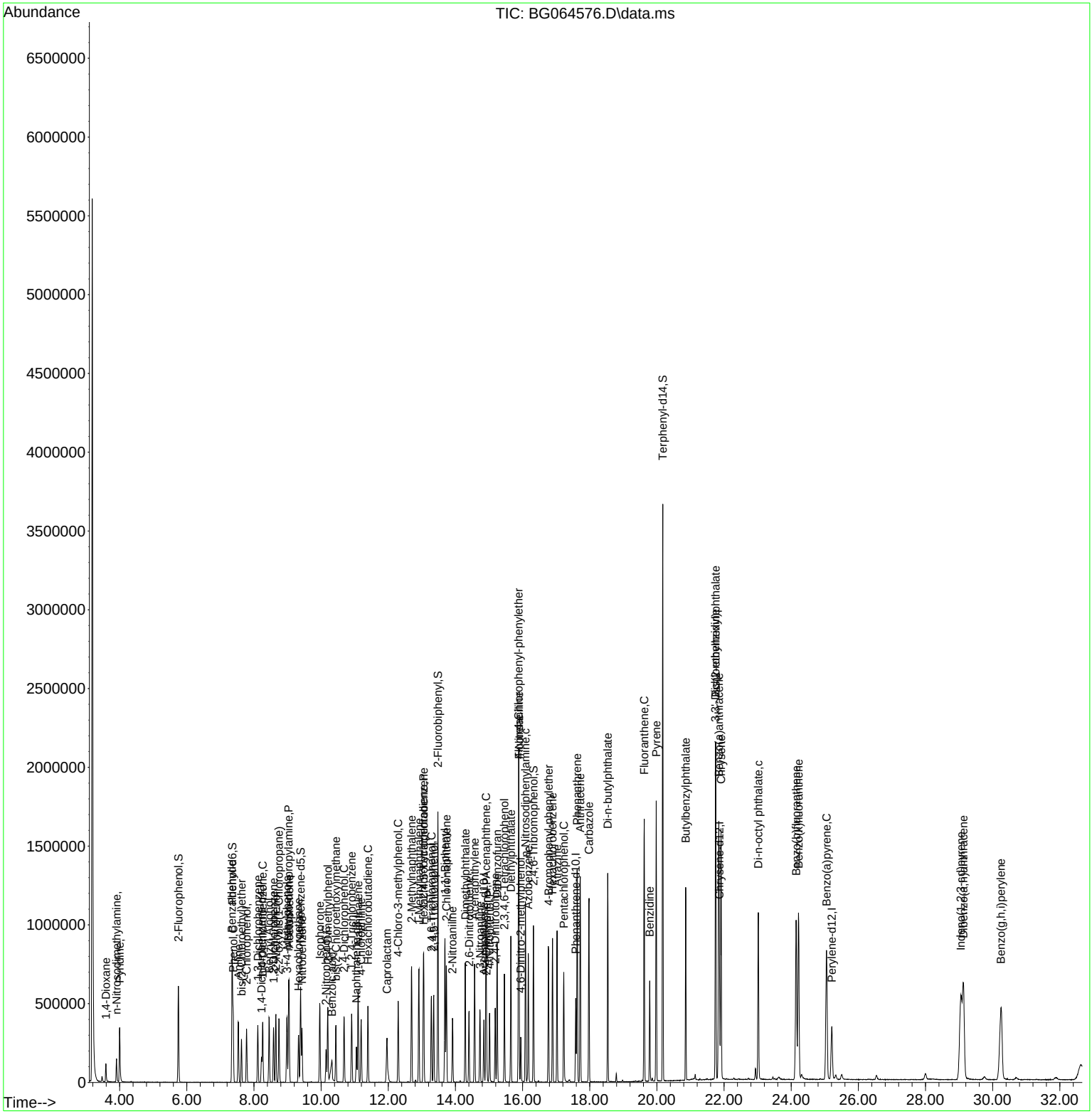
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064576.D
Acq On : 24 Oct 2025 15:32
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 9 Sample Multiplier: 1

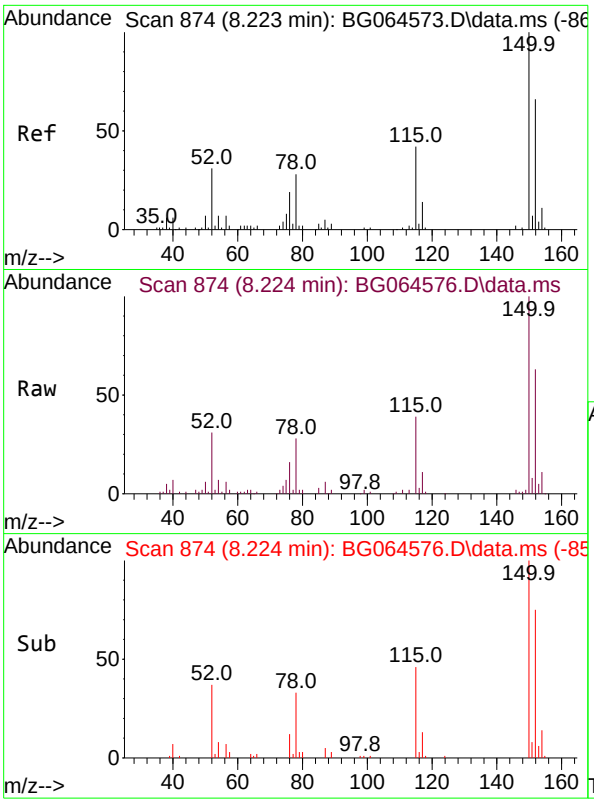
Quant Time: Nov 03 18:03:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 17:56:56 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

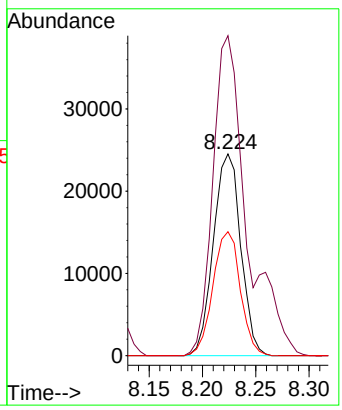




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:152 Resp: 4377

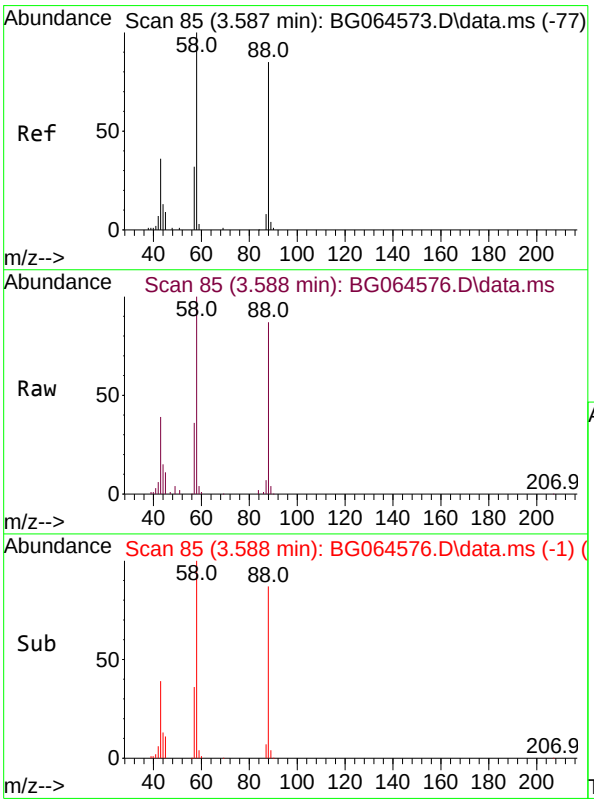
Ion	Ratio	Lower	Upper
152	100		
150	158.7	122.2	183.4
115	61.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

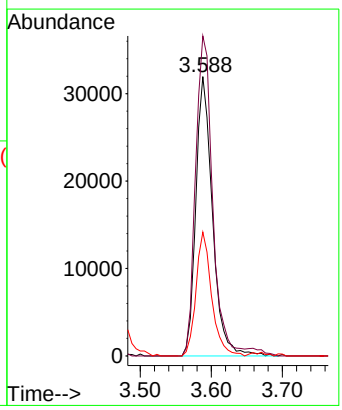
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

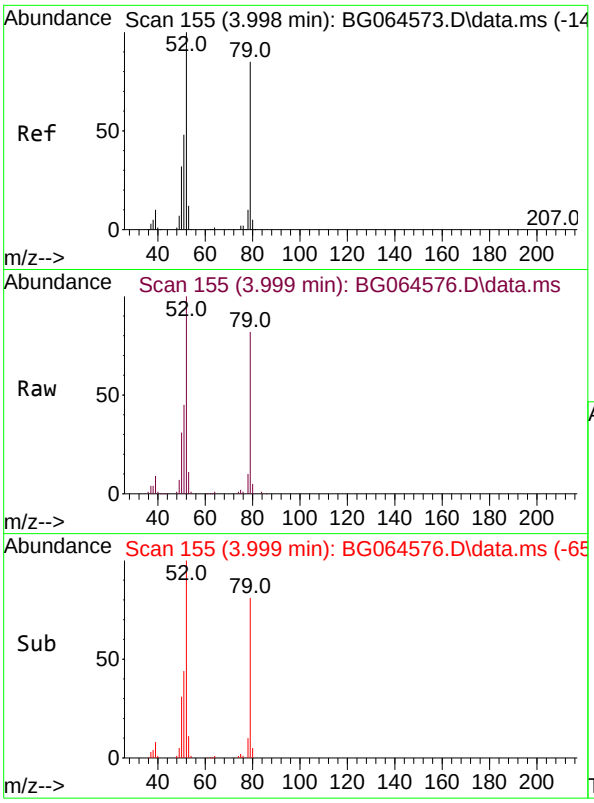


#2
1,4-Dioxane
Concen: 44.926 ng
RT: 3.588 min Scan# 85
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

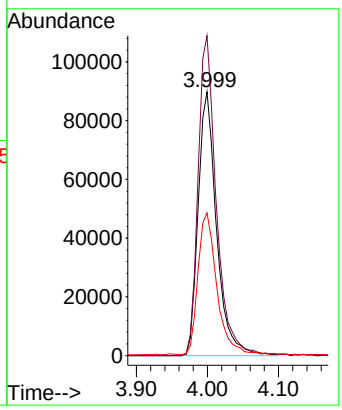




#3
Pyridine
Concen: 46.434 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 79 Resp: 16100

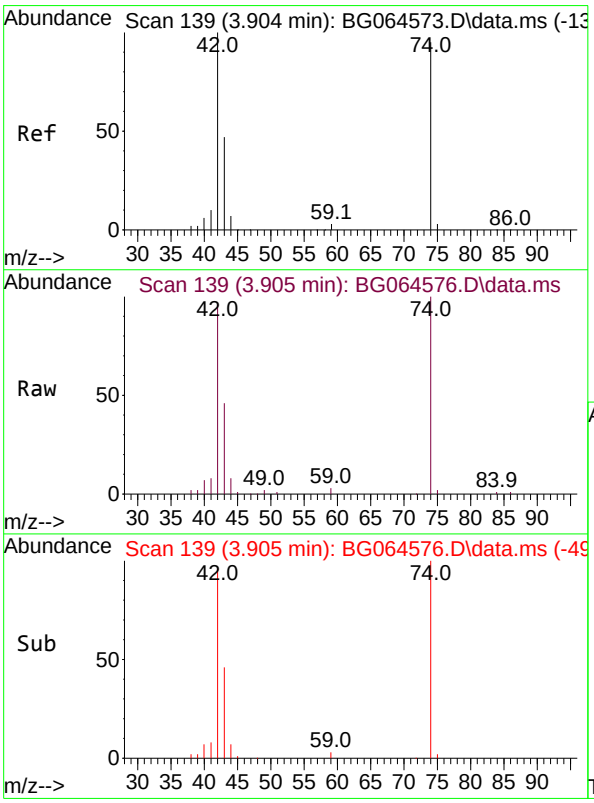
Ion	Ratio	Lower	Upper
79	100		
52	121.3	94.2	141.2
51	54.1	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

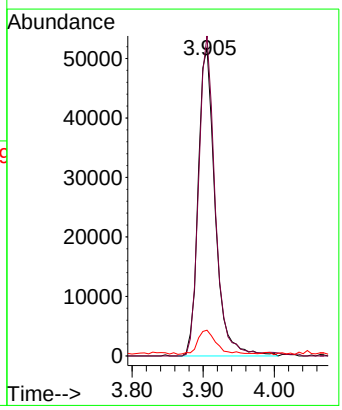
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

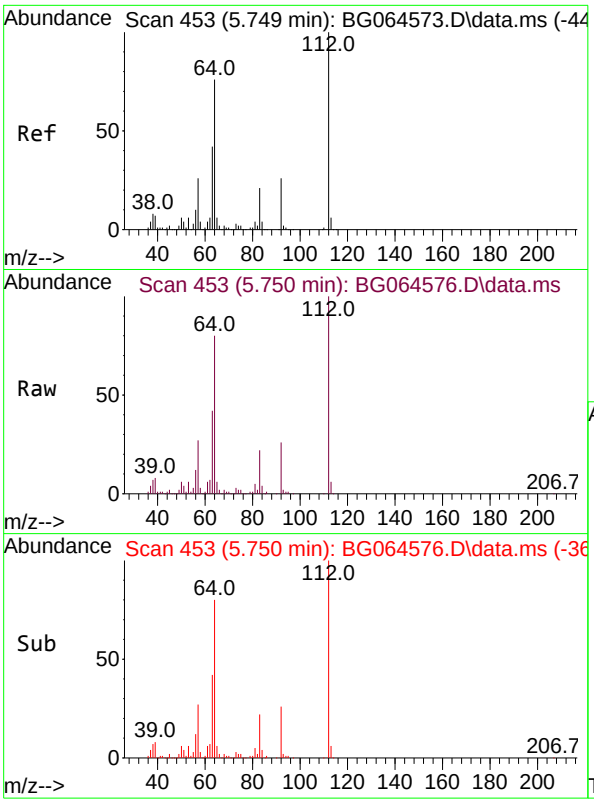


#4
n-Nitrosodimethylamine
Concen: 45.917 ng
RT: 3.905 min Scan# 139
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

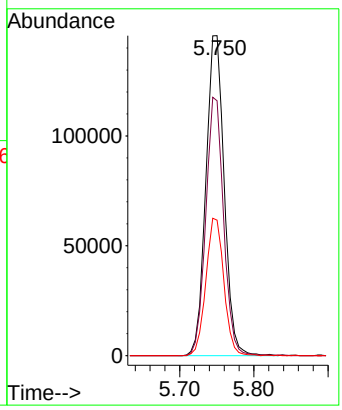




#5
2-Fluorophenol
Concen: 95.606 ng
RT: 5.750 min Scan# 4
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:112 Resp: 24933

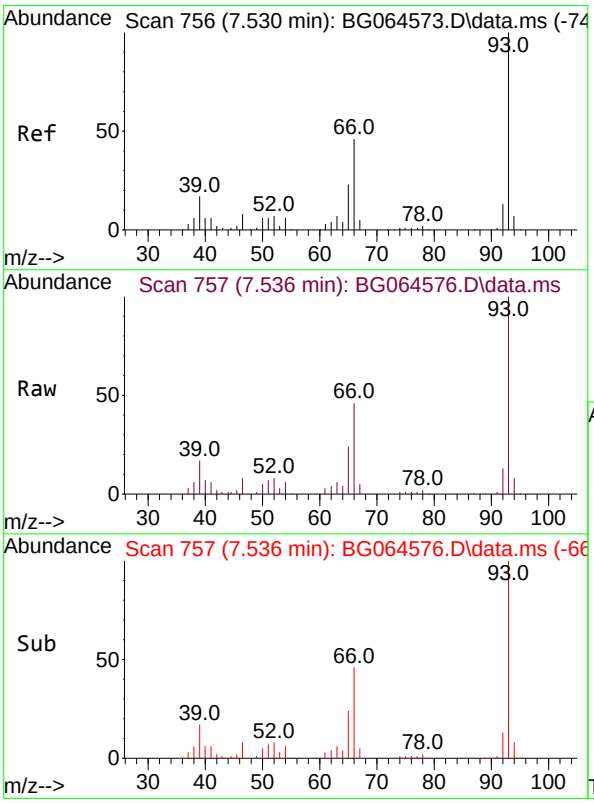
Ion	Ratio	Lower	Upper
112	100		
64	79.6	60.7	91.1
63	42.3	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

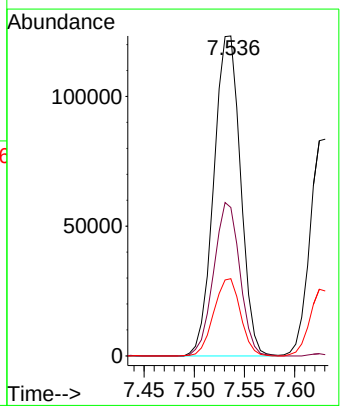
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

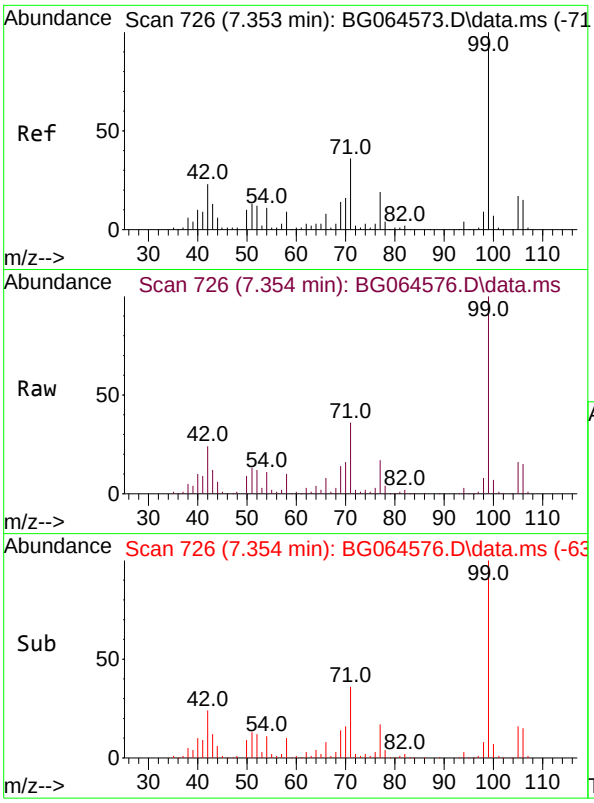


#6
Aniline
Concen: 46.963 ng
RT: 7.536 min Scan# 757
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

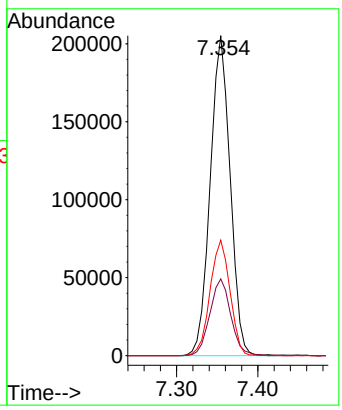




#7
Phenol-d6
Concen: 97.687 ng
RT: 7.354 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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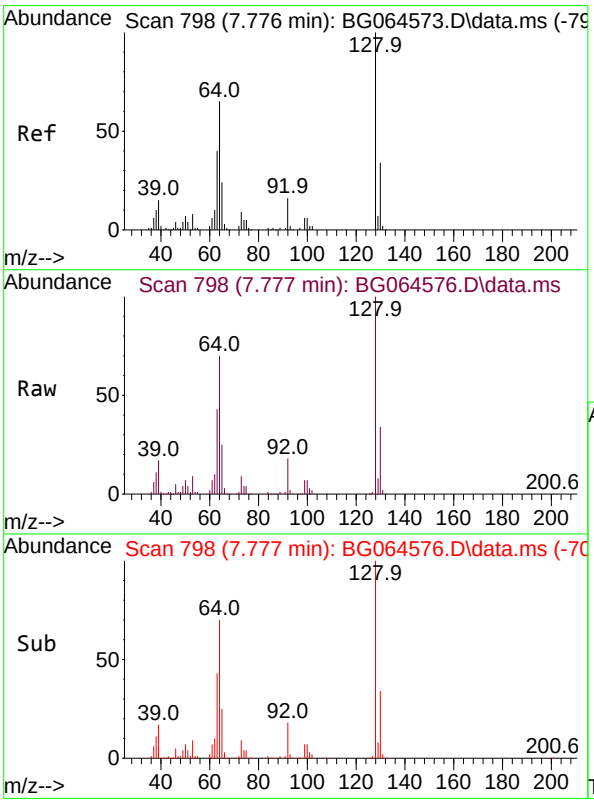
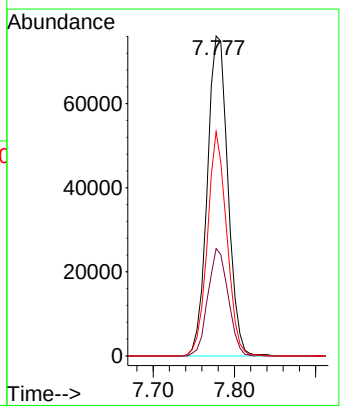
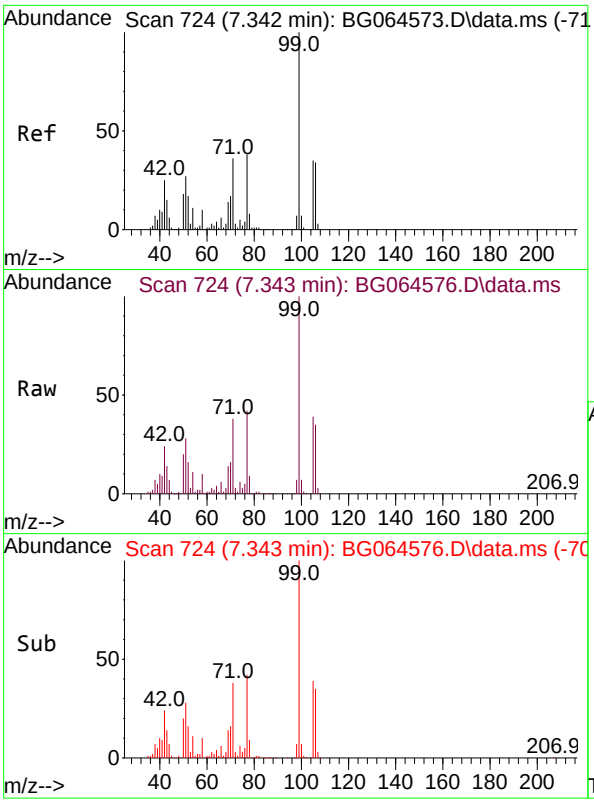


#8
2-Chlorophenol
Concen: 49.112 ng
RT: 7.777 min Scan# 798
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

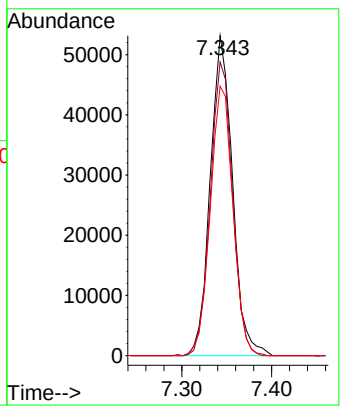




#9
Benzaldehyde
Concen: 46.812 ng
RT: 7.343 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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



Instrument :
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ClientSampleId :
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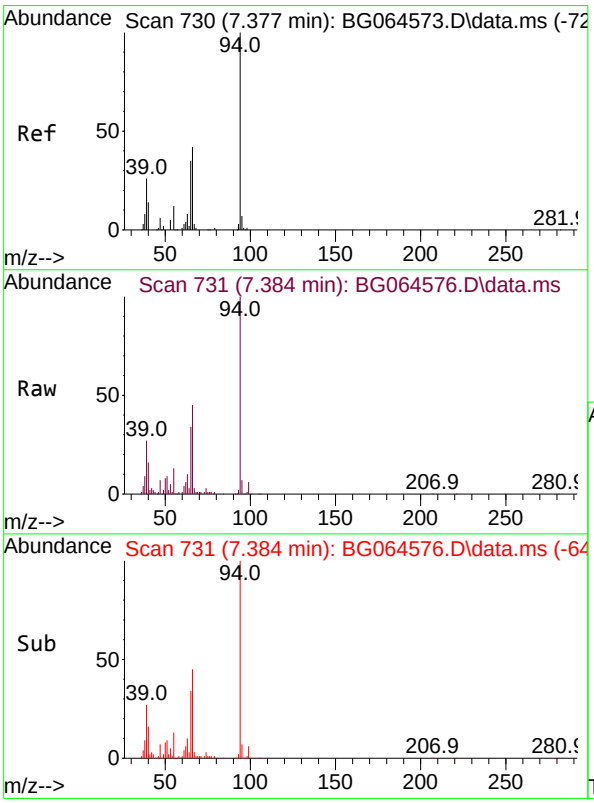
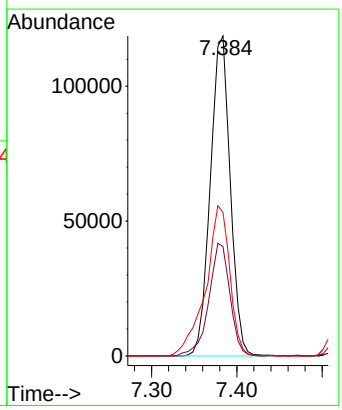
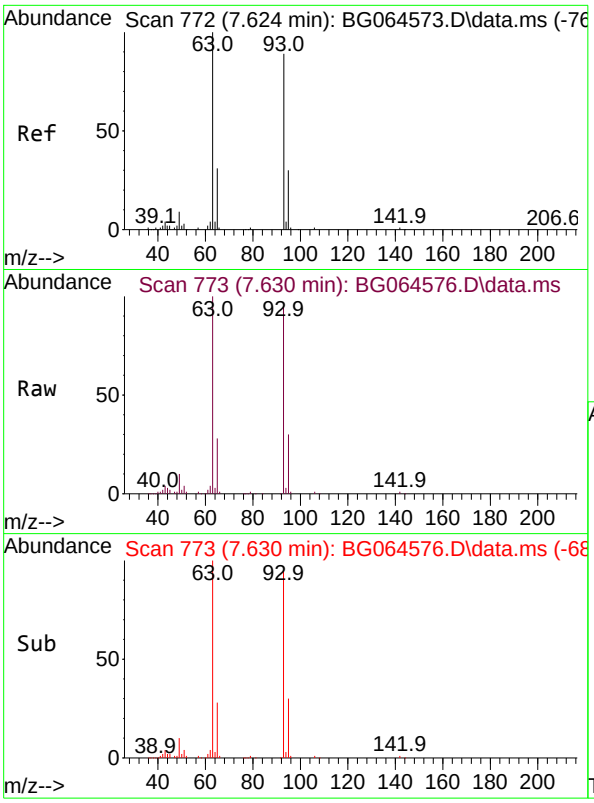


#10
Phenol
Concen: 48.681 ng
RT: 7.384 min Scan# 731
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

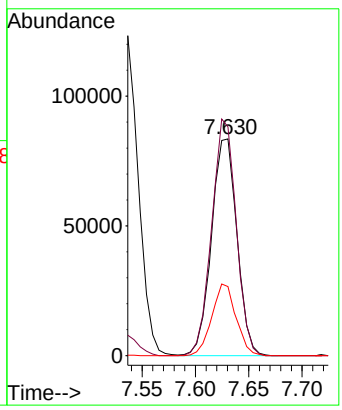




#11
bis(2-Chloroethyl)ether
Concen: 47.894 ng
RT: 7.630 min Scan# 7
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 93 Resp: 13936

Ion	Ratio	Lower	Upper
93	100		
63	105.5	91.3	131.3
95	31.8	13.3	53.3



Instrument :
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ClientSampleId :
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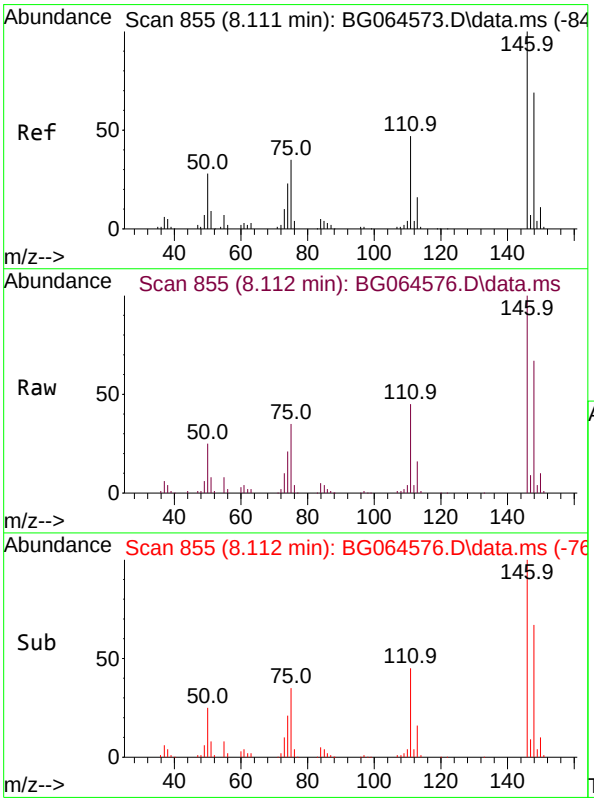
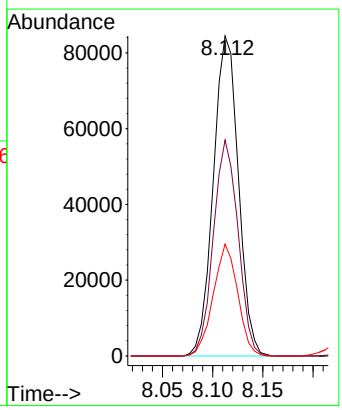
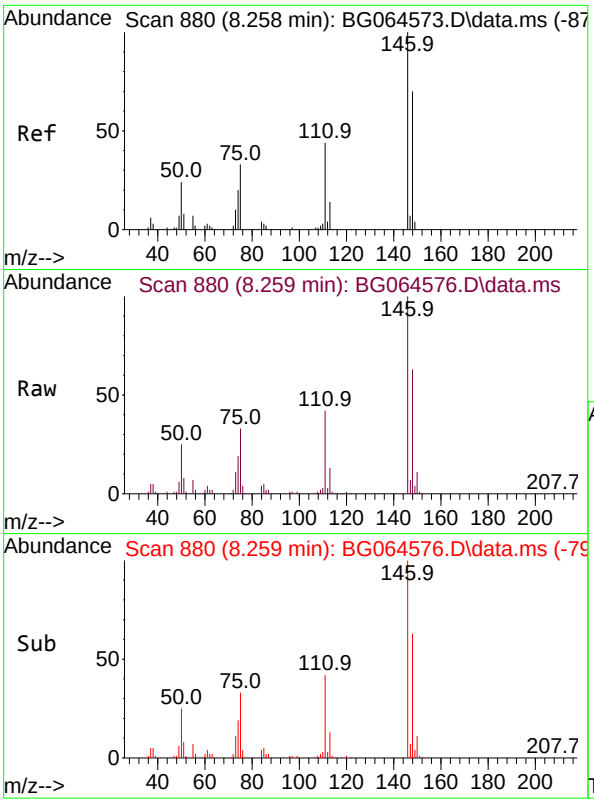


#12
1,3-Dichlorobenzene
Concen: 46.758 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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: 47.293 ng
RT: 8.259 min Scan# 8
Delta R.T. 0.001 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 :
SSTDICC050

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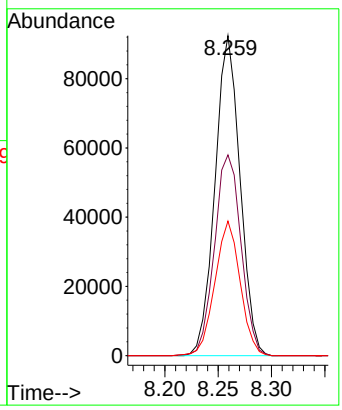
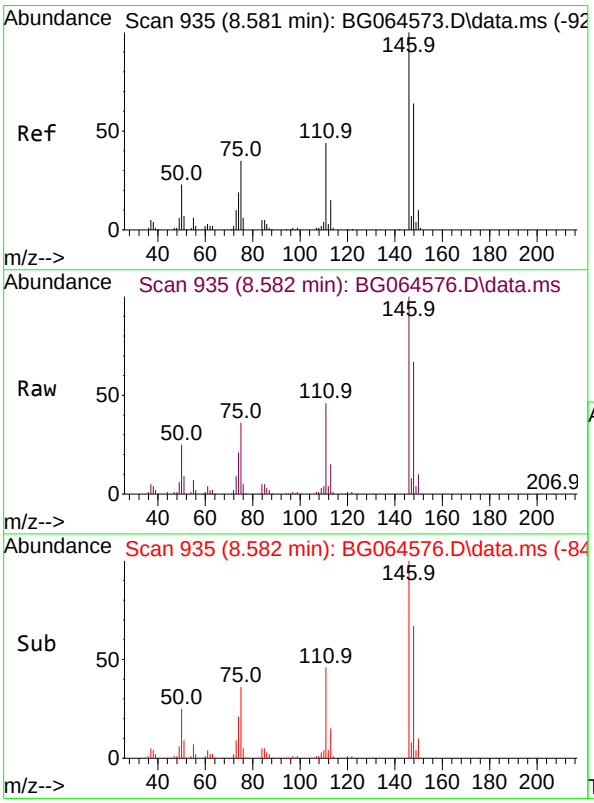
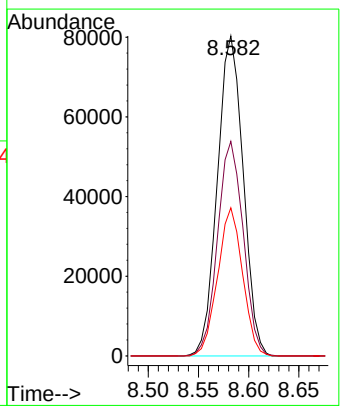


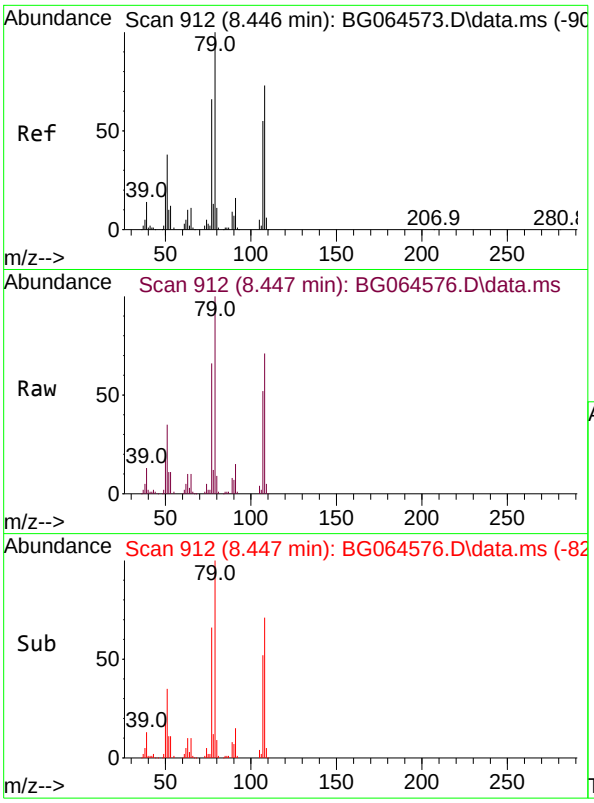


#14
1,2-Dichlorobenzene
Concen: 46.729 ng
RT: 8.582 min Scan# 935
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

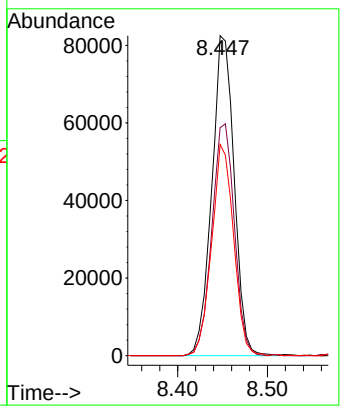




#15
Benzyl Alcohol
Concen: 48.417 ng
RT: 8.447 min Scan# 91
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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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ClientSampleId :
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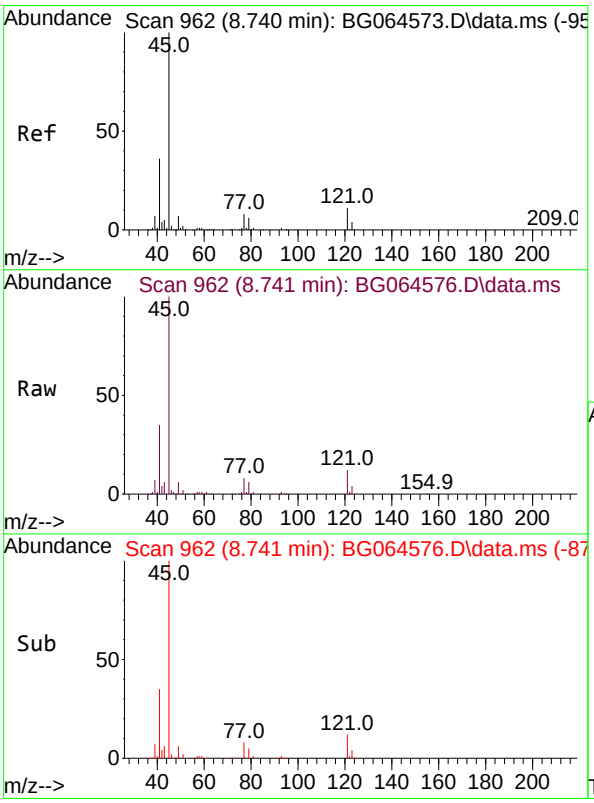
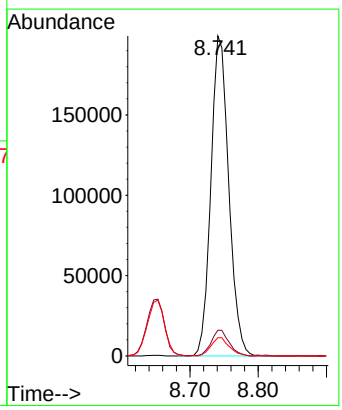
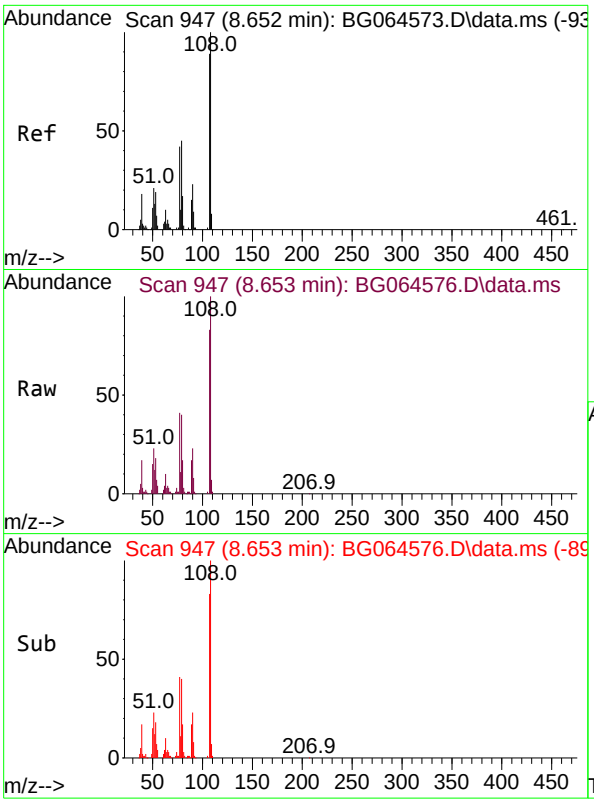


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.332 ng
RT: 8.741 min Scan# 962
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

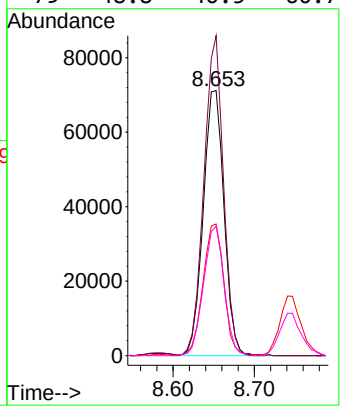




#17
2-Methylphenol
Concen: 48.282 ng
RT: 8.653 min Scan# 94
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:107 Resp: 126868

Ion	Ratio	Lower	Upper
107	100		
108	120.8	90.0	135.0
77	49.7	37.8	56.8
79	48.8	40.5	60.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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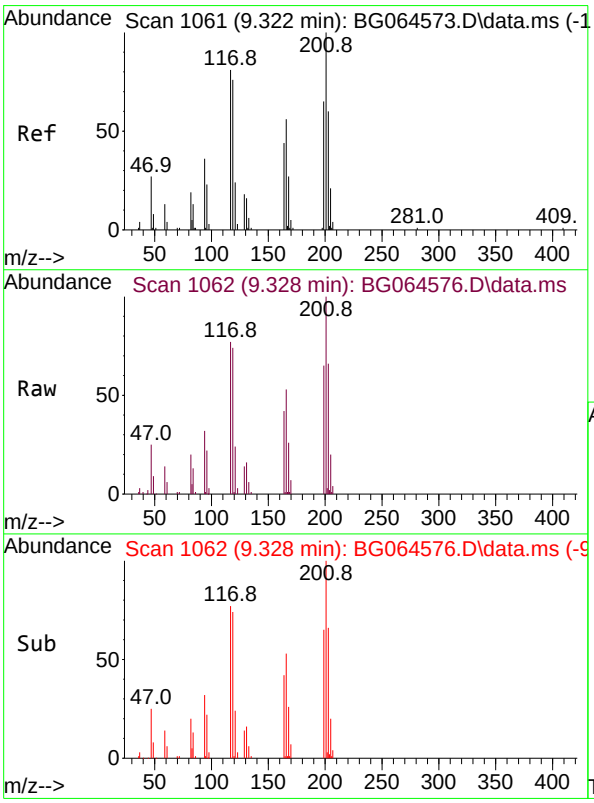
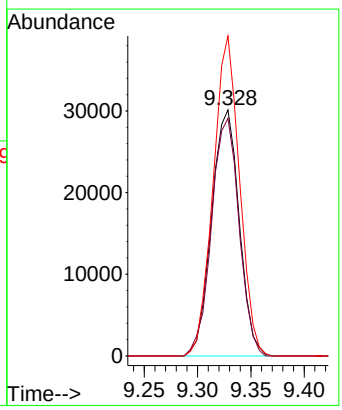
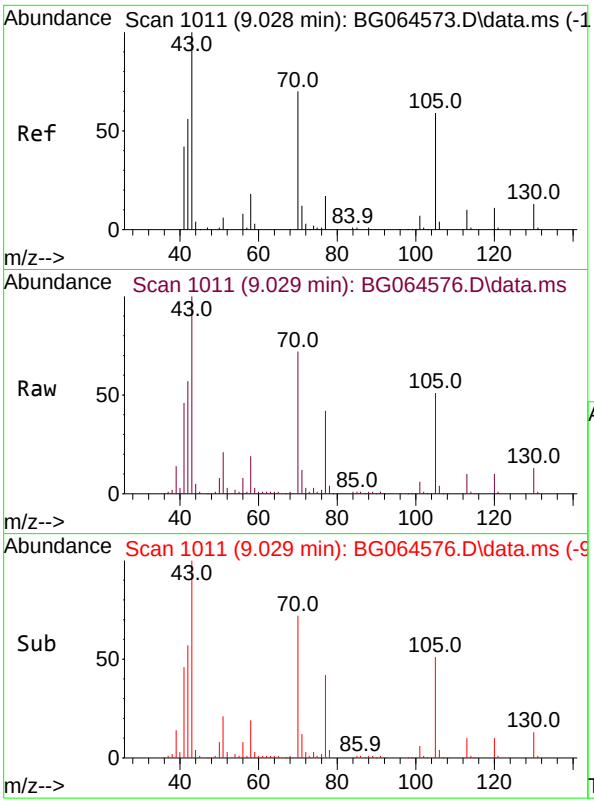


#18
Hexachloroethane
Concen: 48.463 ng
RT: 9.328 min Scan# 1062
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

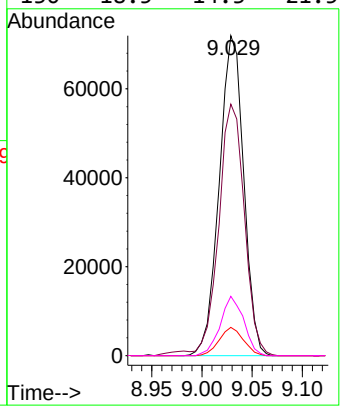




#19
n-Nitroso-di-n-propylamine
Concen: 49.350 ng
RT: 9.029 min Scan# 10
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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 :
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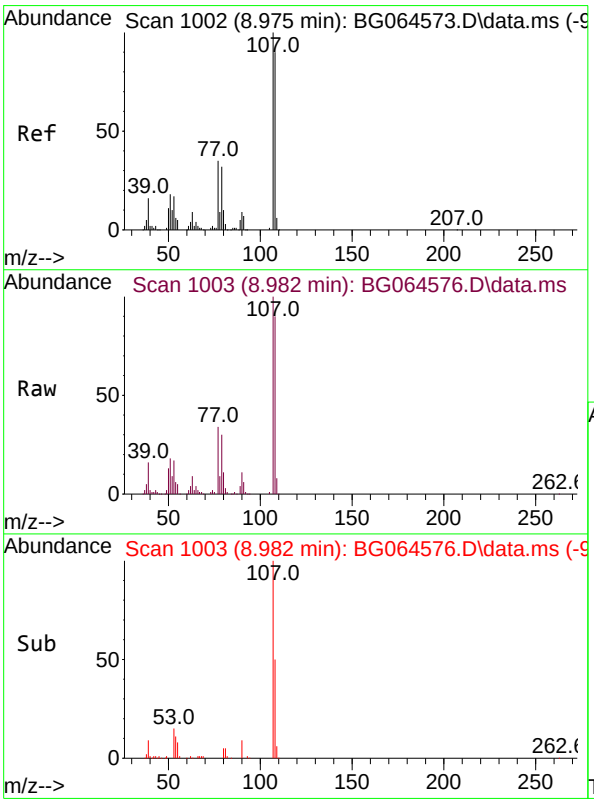
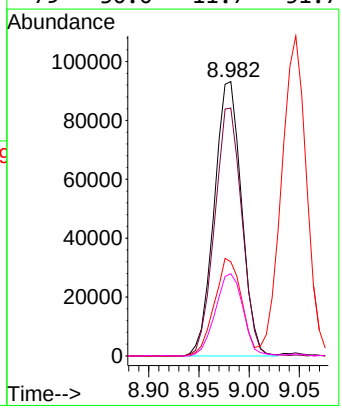
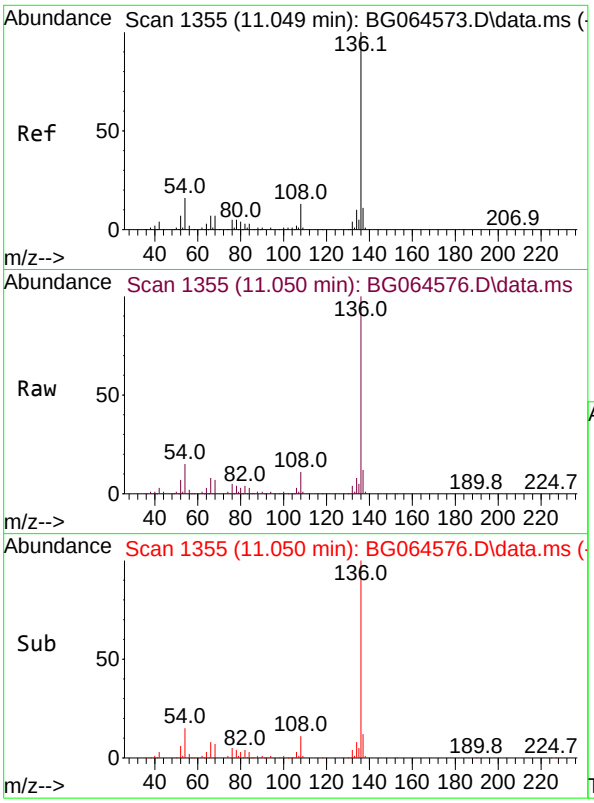


#20
3+4-Methylphenols
Concen: 47.740 ng
RT: 8.982 min Scan# 1003
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

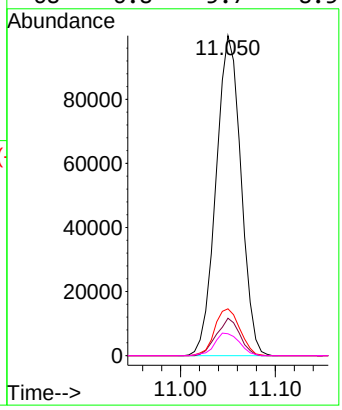




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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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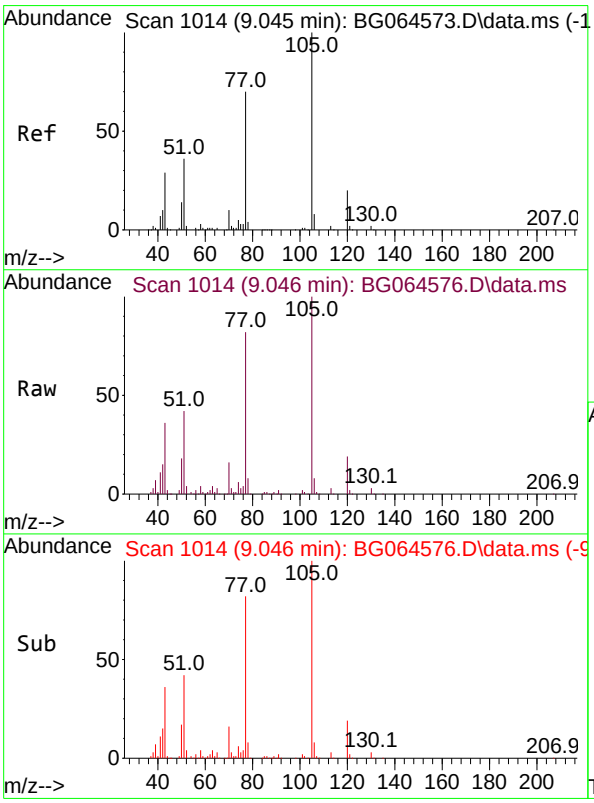
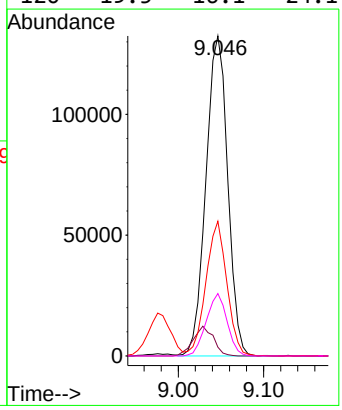
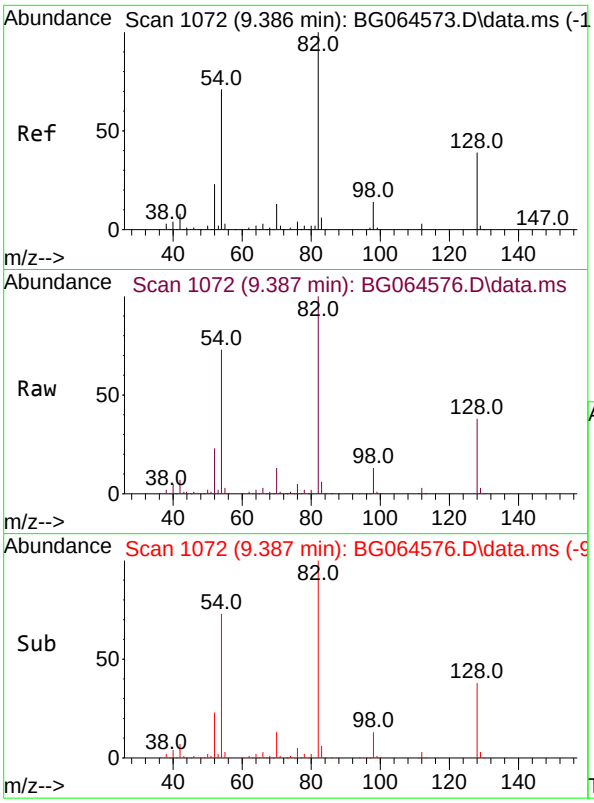


#22
Acetophenone
Concen: 47.155 ng
RT: 9.046 min Scan# 1014
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

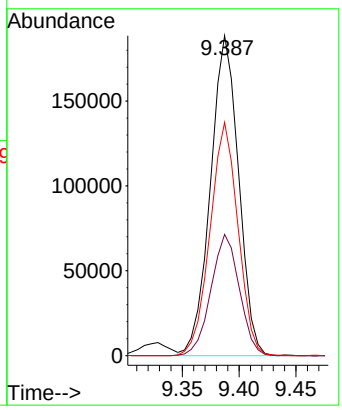




#23
Nitrobenzene-d5
Concen: 106.847 ng
RT: 9.387 min Scan# 10
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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 :
SSTDICC050

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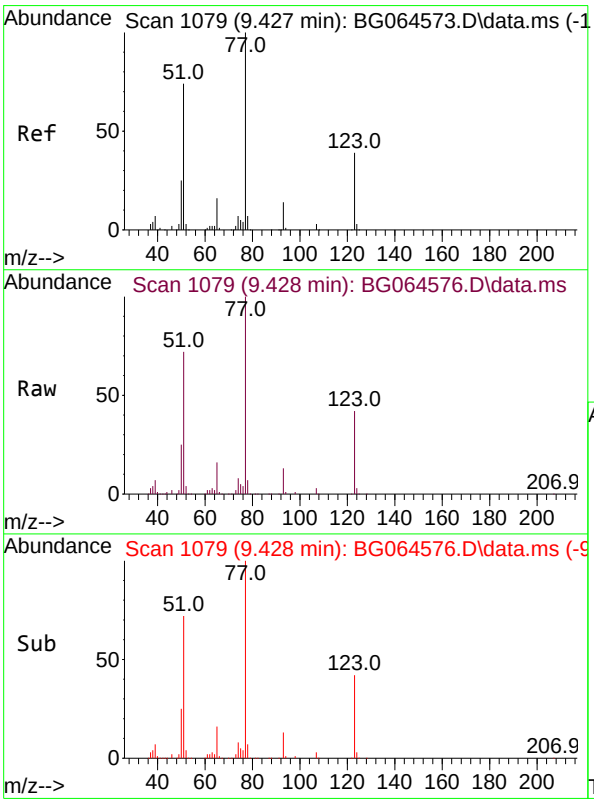
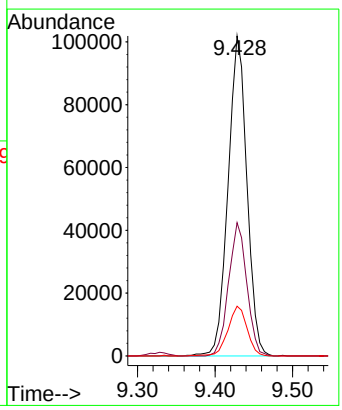
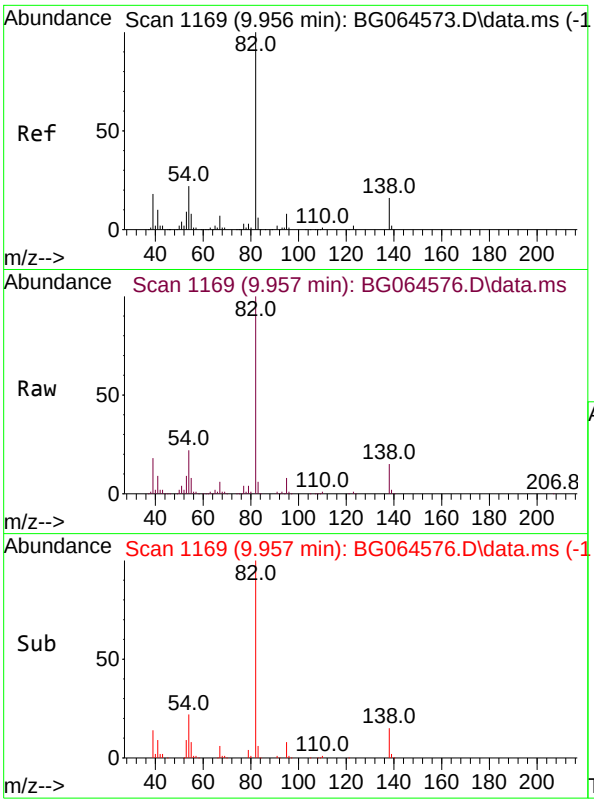


#24
Nitrobenzene
Concen: 52.060 ng
RT: 9.428 min Scan# 1079
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

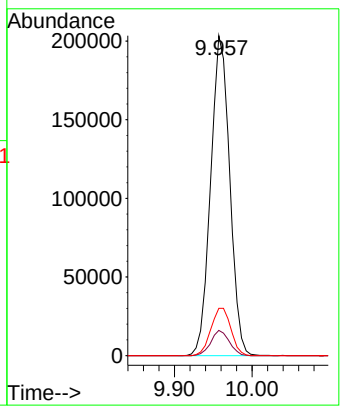




#25
Isophorone
Concen: 47.813 ng
RT: 9.957 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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 :
BNA_G
ClientSampleId :
SSTDICC050

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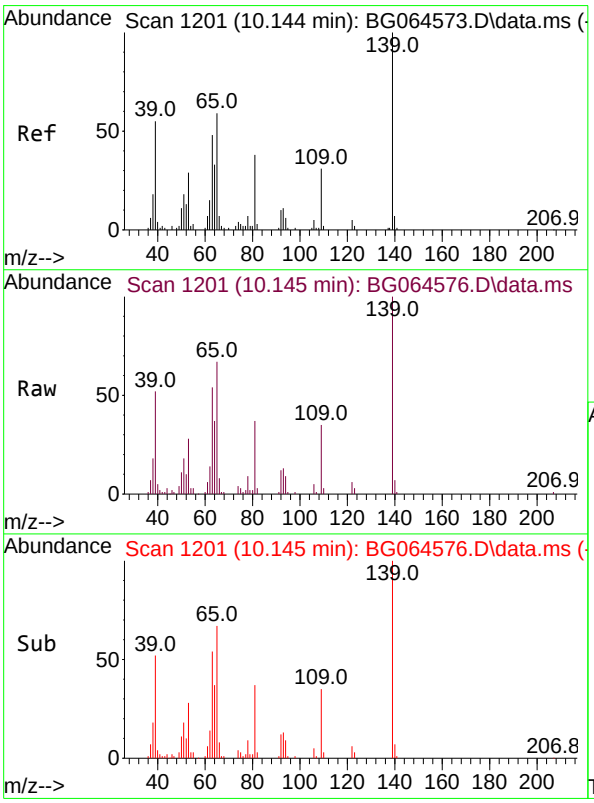
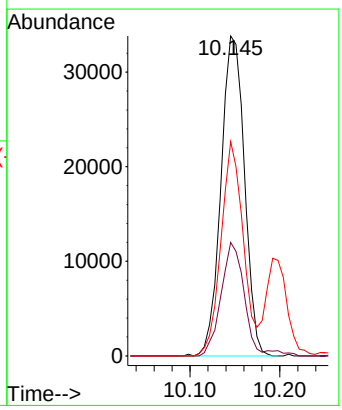
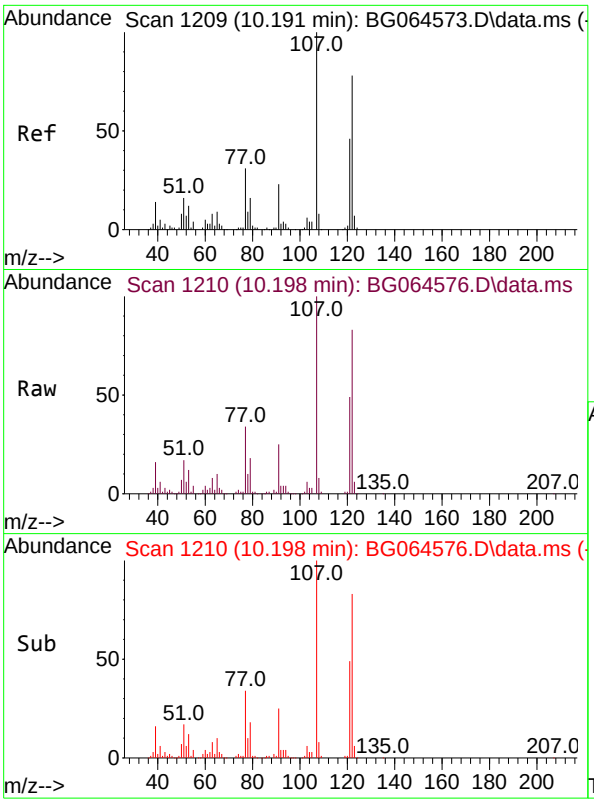


#26
2-Nitrophenol
Concen: 48.353 ng
RT: 10.145 min Scan# 1201
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

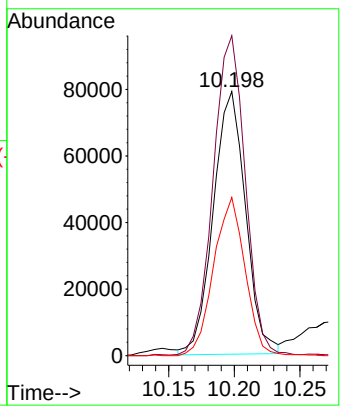




#27
2,4-Dimethylphenol
Concen: 49.988 ng
RT: 10.198 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:122 Resp: 13540

Ion	Ratio	Lower	Upper
122	100		
107	121.2	103.0	154.4
121	59.9	47.8	71.8



Instrument :
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ClientSampleId :
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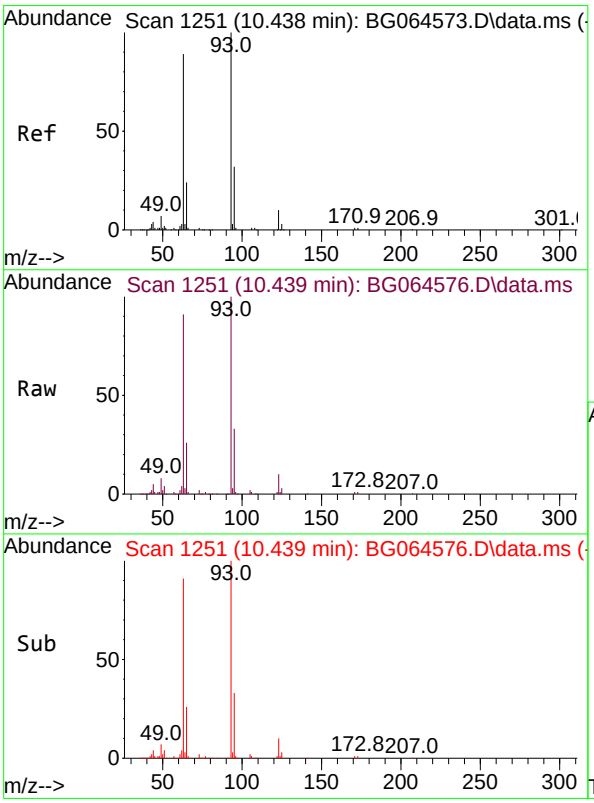
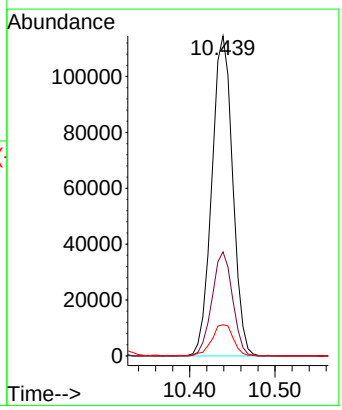
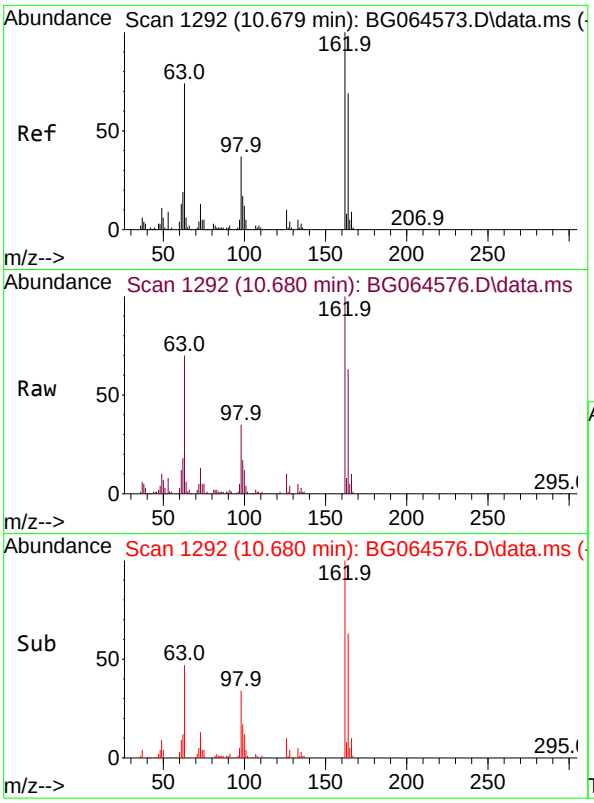


#28
bis(2-Chloroethoxy)methane
Concen: 46.800 ng
RT: 10.439 min Scan# 1251
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

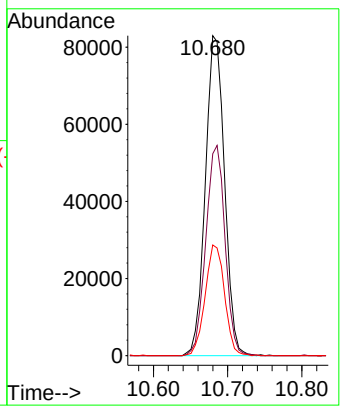




#29
2,4-Dichlorophenol
Concen: 51.062 ng
RT: 10.680 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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 :
BNA_G
ClientSampleId :
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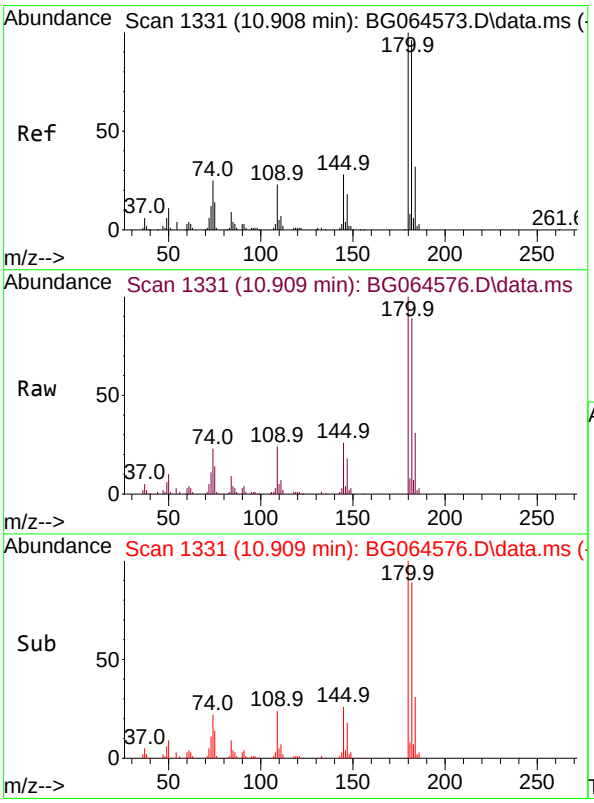
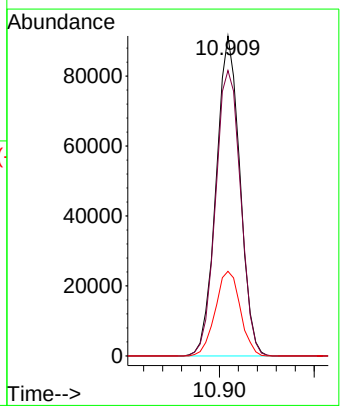
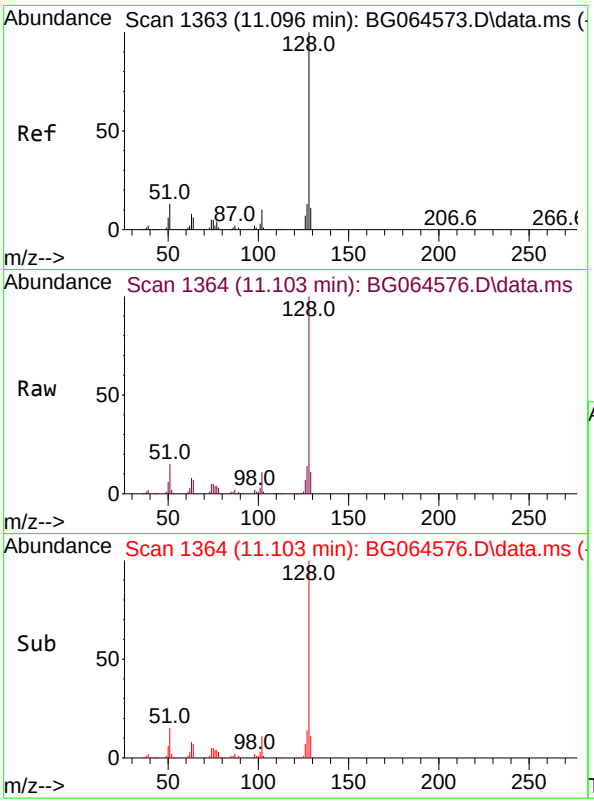


#30
1,2,4-Trichlorobenzene
Concen: 48.068 ng
RT: 10.909 min Scan# 1331
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

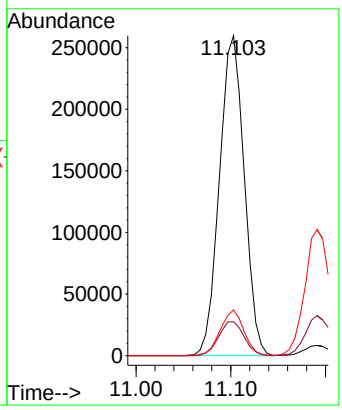




#31
Naphthalene
Concen: 46.695 ng
RT: 11.103 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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 :
BNA_G
ClientSampleId :
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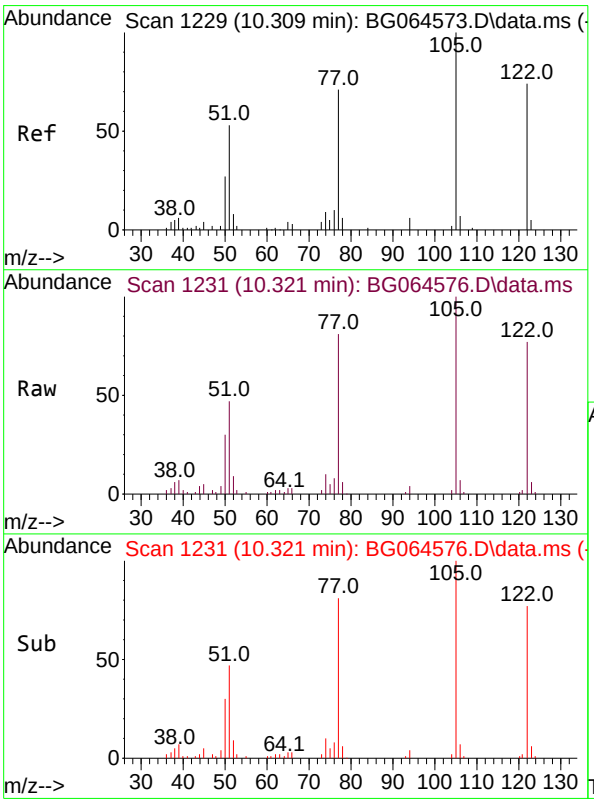
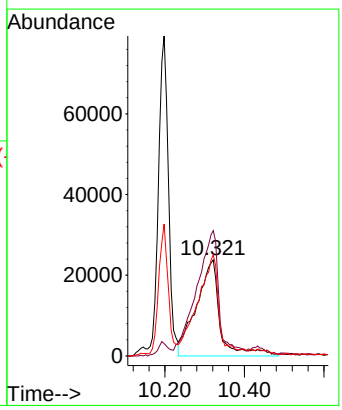
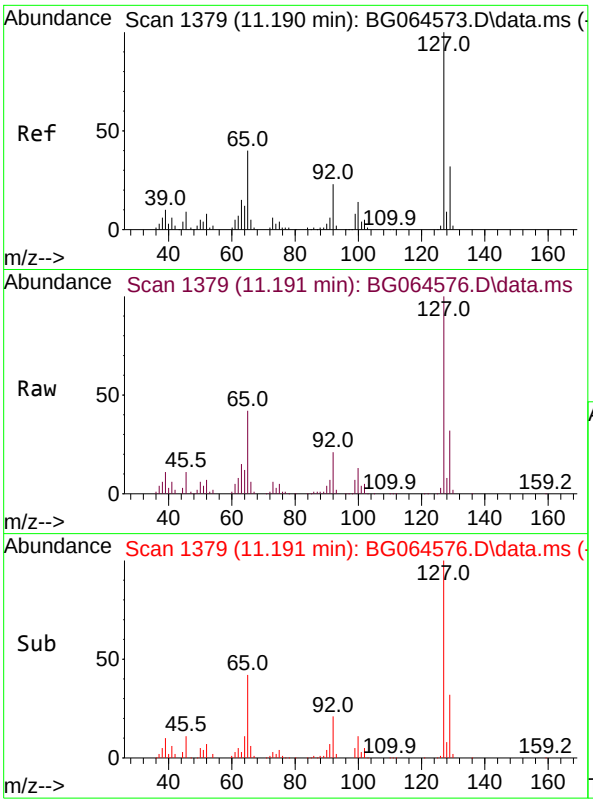


#32
Benzoic acid
Concen: 47.410 ng m
RT: 10.321 min Scan# 1231
Delta R.T. 0.012 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:122 Resp: 97970

Ion	Ratio	Lower	Upper
122	100		
105	130.6	104.2	144.2
77	105.4	70.2	110.2

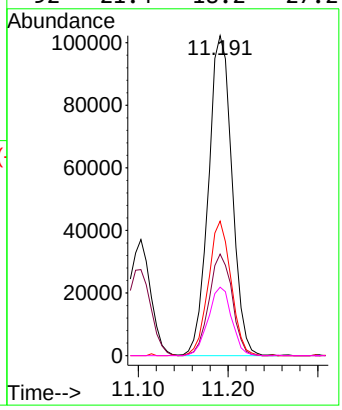




#33
4-Chloroaniline
Concen: 47.560 ng
RT: 11.191 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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



Instrument :
BNA_G
ClientSampleId :
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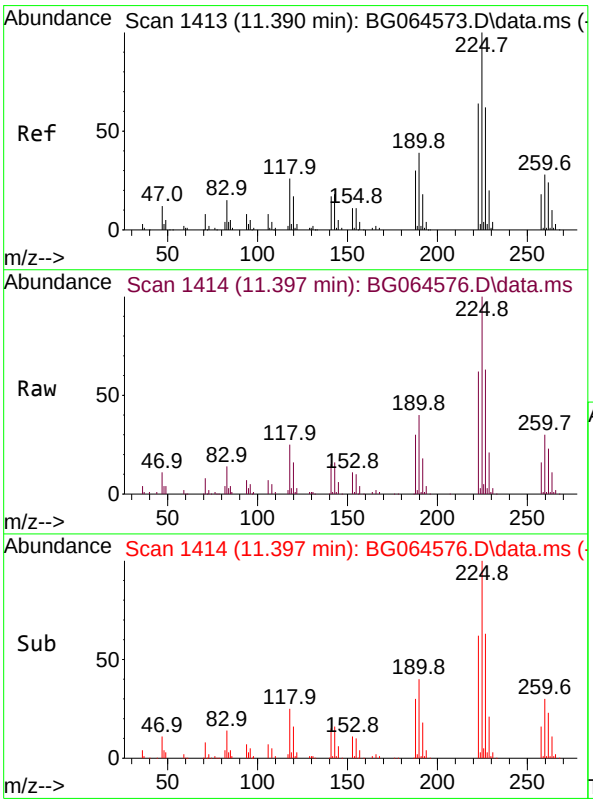
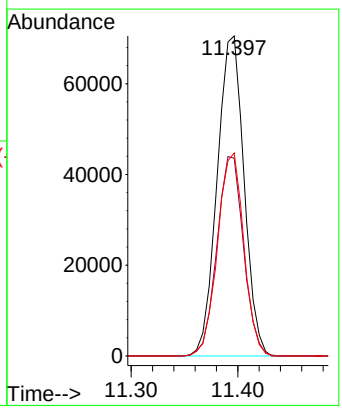
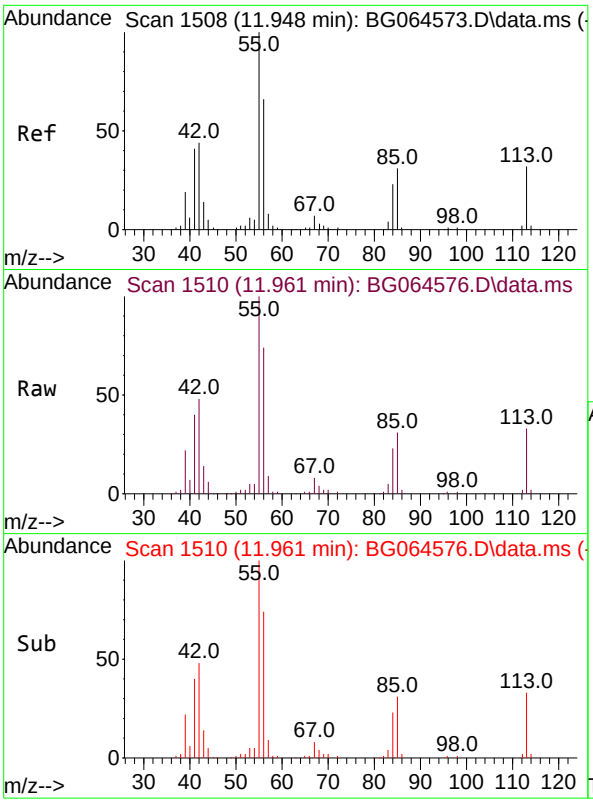


#34
Hexachlorobutadiene
Concen: 47.716 ng
RT: 11.397 min Scan# 1414
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

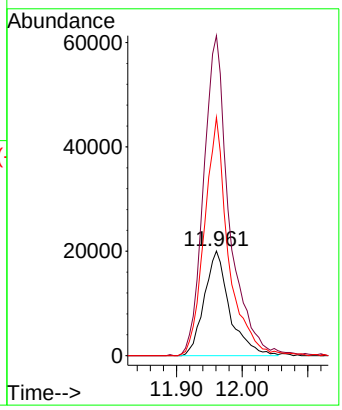




#35
Caprolactam
Concen: 48.020 ng
RT: 11.961 min Scan# 1
Delta R.T. 0.013 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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 :
BNA_G
ClientSampleId :
SSTDICC050

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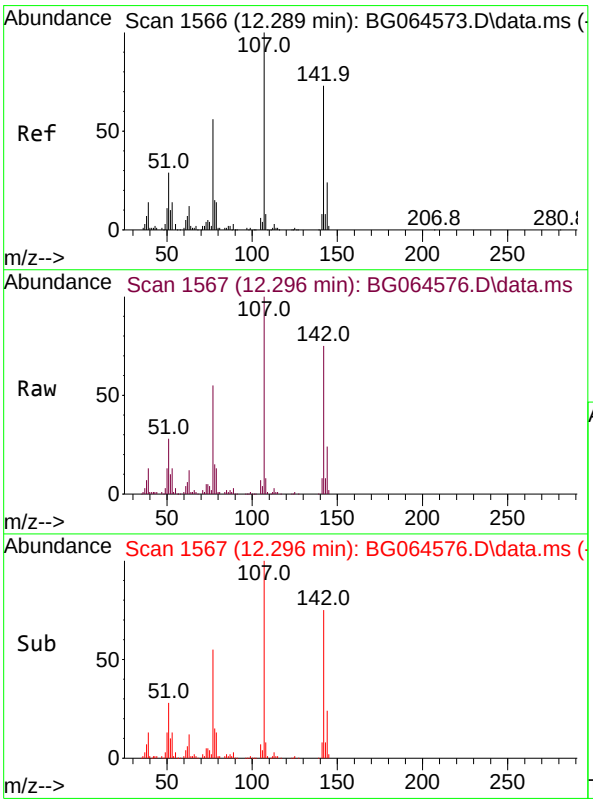
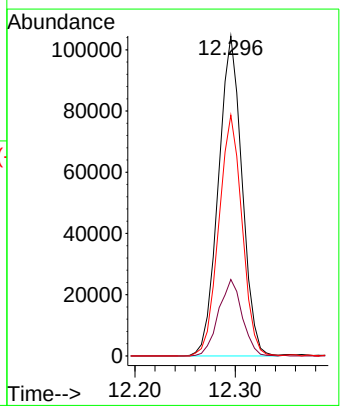
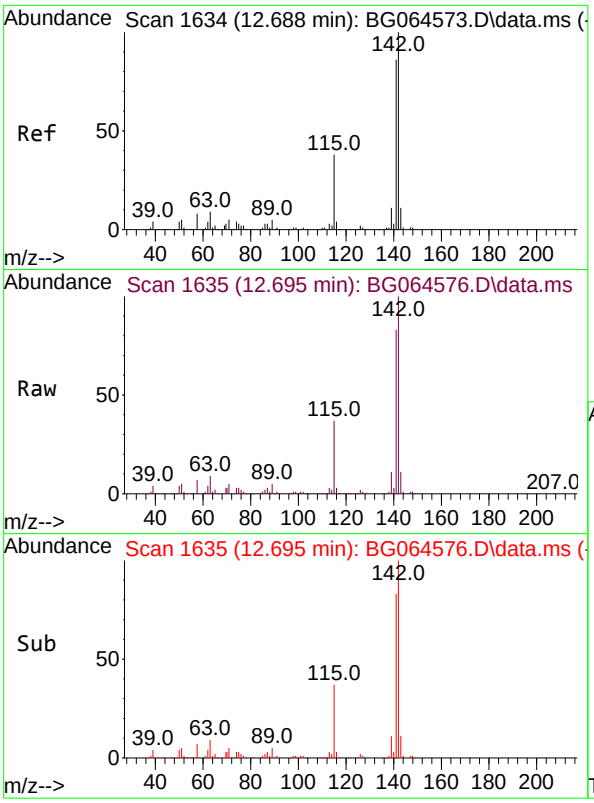


#36
4-Chloro-3-methylphenol
Concen: 48.836 ng
RT: 12.296 min Scan# 1567
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

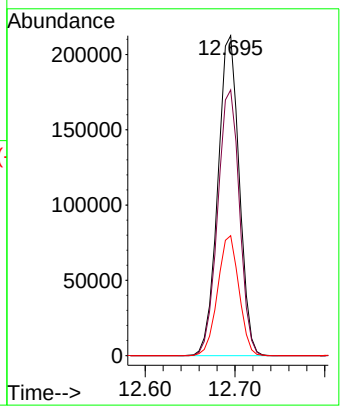




#37
2-Methylnaphthalene
Concen: 47.435 ng
RT: 12.695 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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 :
SSTDICC050

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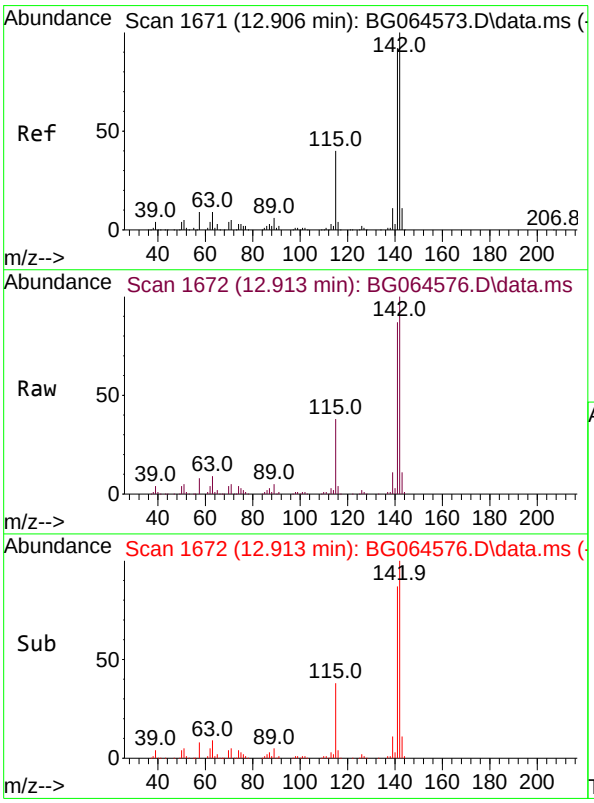
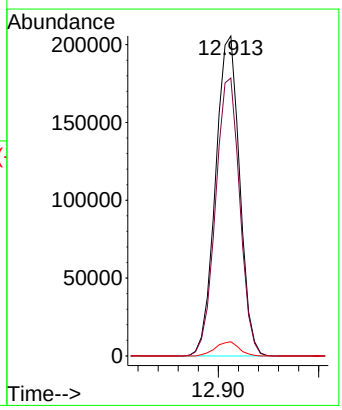
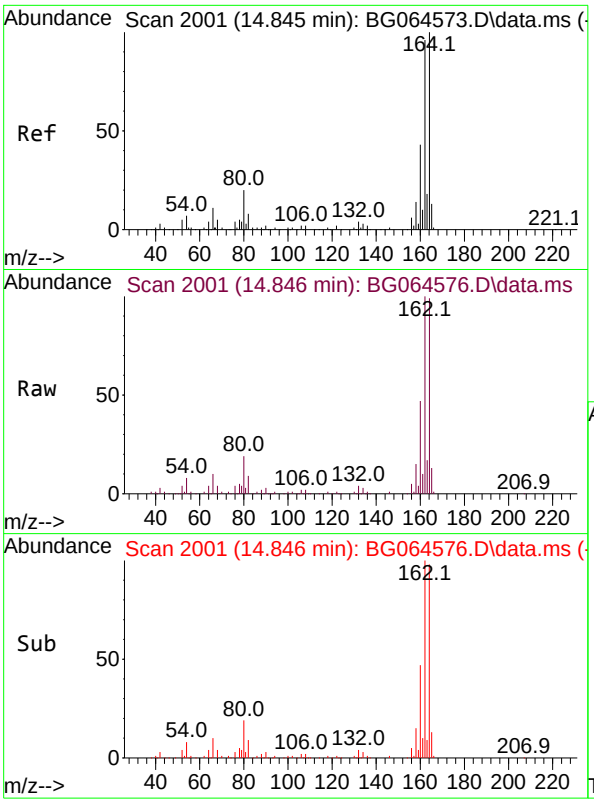


#38
1-Methylnaphthalene
Concen: 46.666 ng
RT: 12.913 min Scan# 1672
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

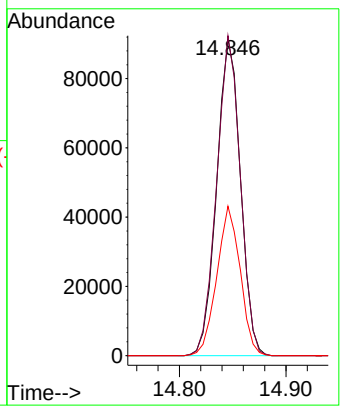




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.846 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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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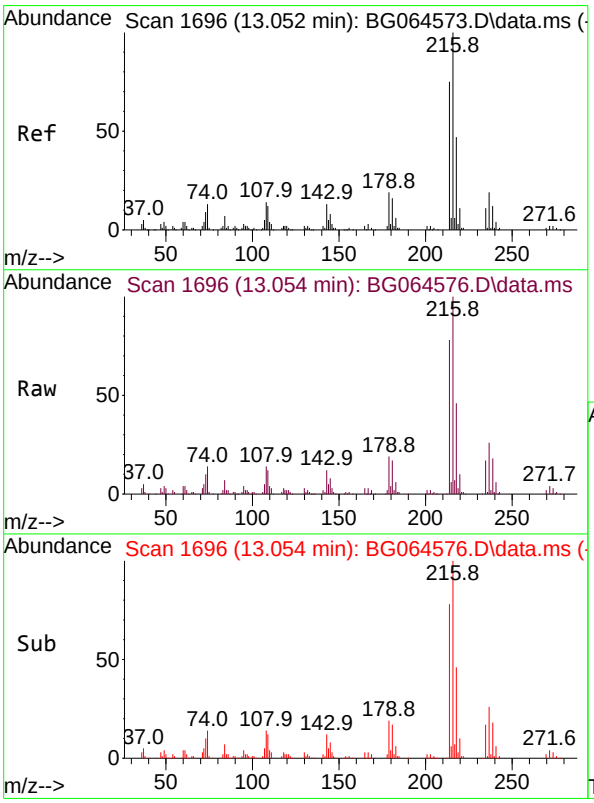
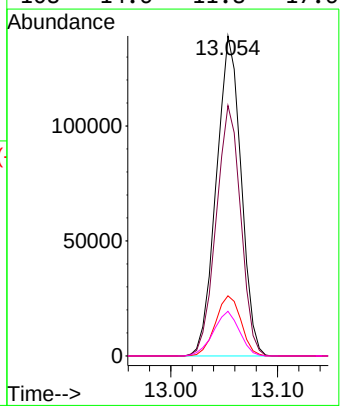
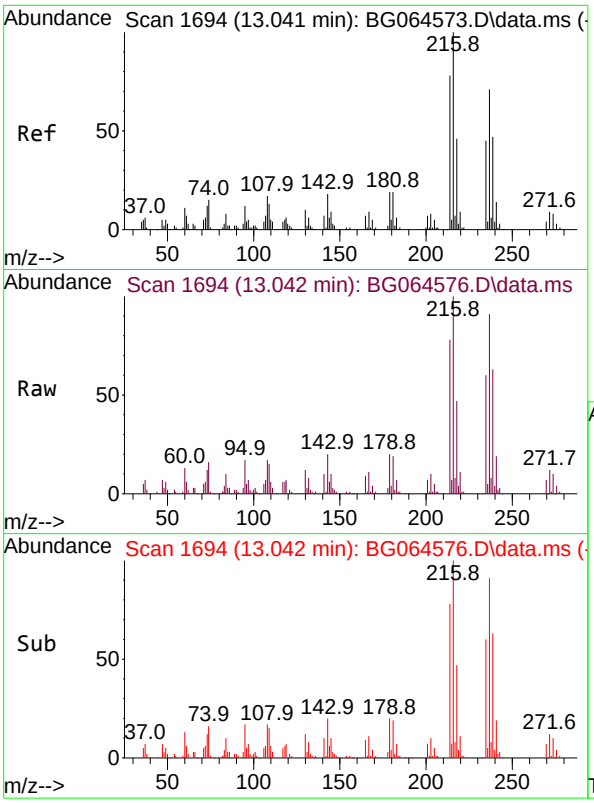


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.131 ng
RT: 13.054 min Scan# 1696
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

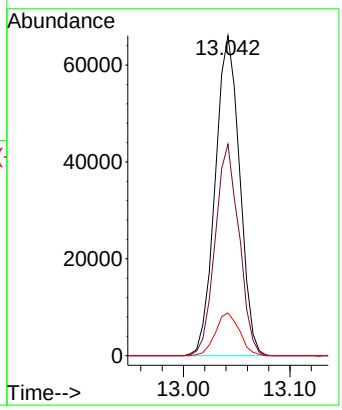




#41
Hexachlorocyclopentadiene
Concen: 49.131 ng
RT: 13.042 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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 :
BNA_G
ClientSampleId :
SSTDICC050

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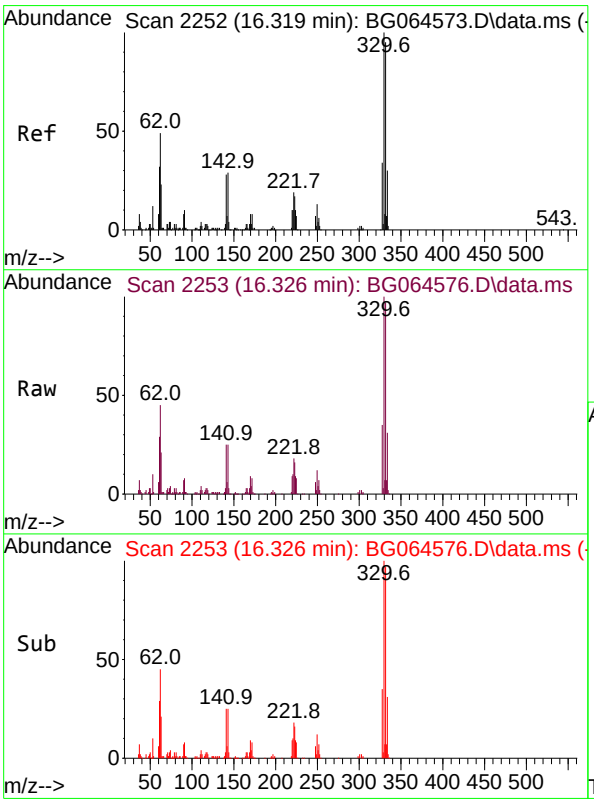
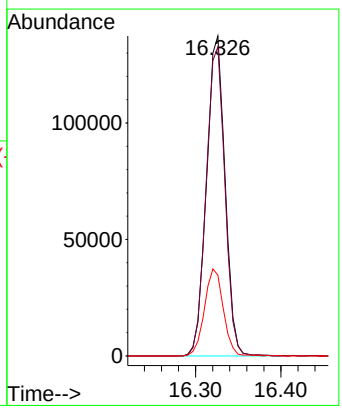
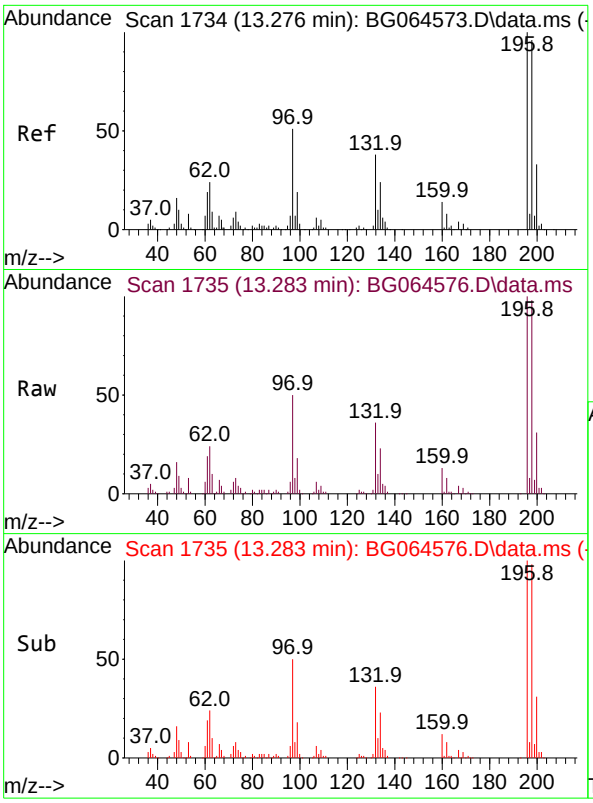


#42
2,4,6-Tribromophenol
Concen: 101.122 ng
RT: 16.326 min Scan# 2253
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

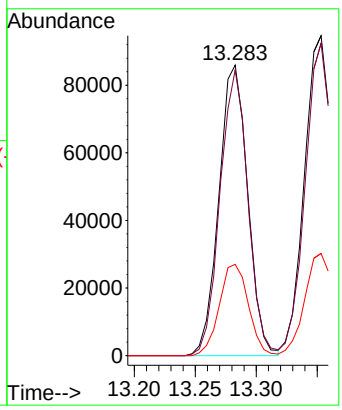




#43
2,4,6-Trichlorophenol
Concen: 51.898 ng
RT: 13.283 min Scan# 1
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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 :
BNA_G
ClientSampleId :
SSTDICC050

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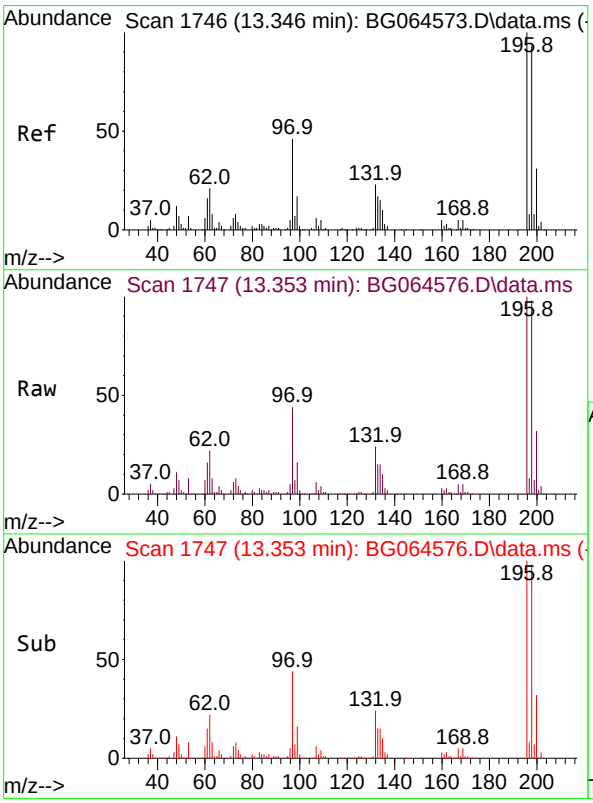
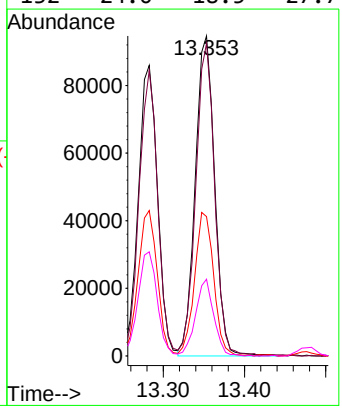
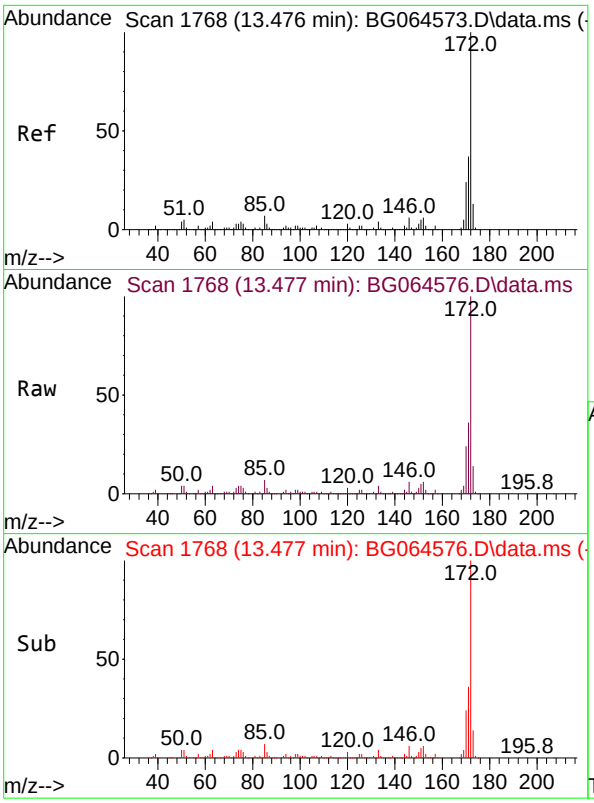


#44
2,4,5-Trichlorophenol
Concen: 49.997 ng
RT: 13.353 min Scan# 1747
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

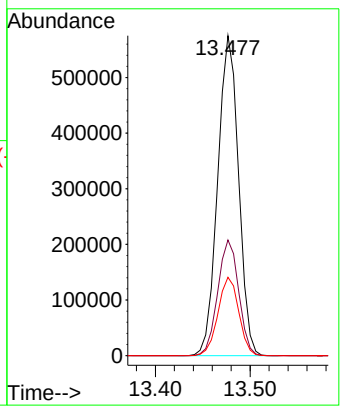




#45
2-Fluorobiphenyl
Concen: 93.626 ng
RT: 13.477 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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 :
BNA_G
ClientSampleId :
SSTDICC050

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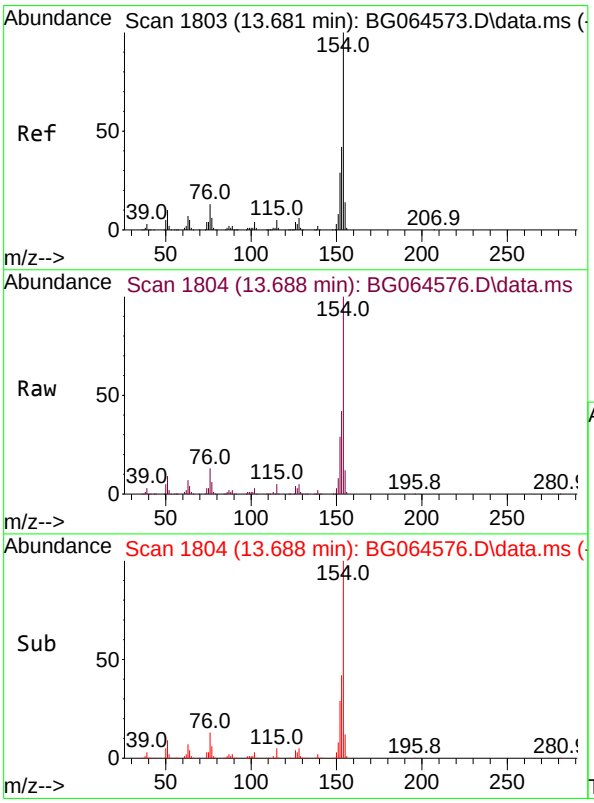
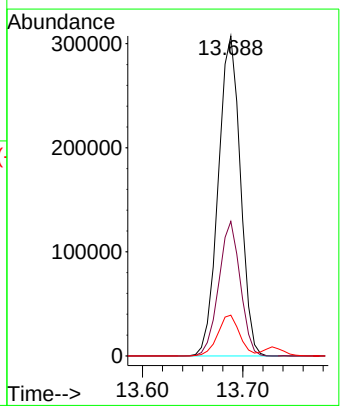
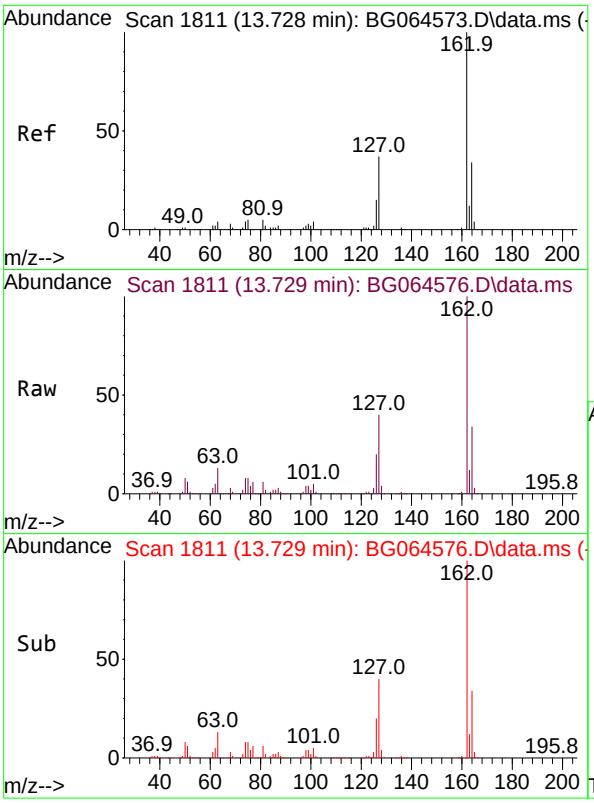


#46
1,1'-Biphenyl
Concen: 46.613 ng
RT: 13.688 min Scan# 1804
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

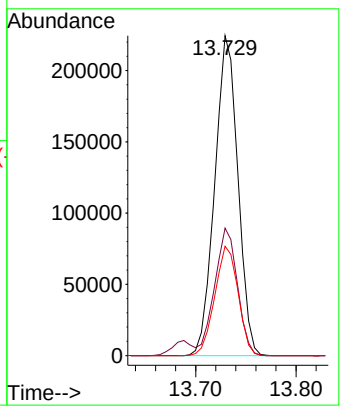




#47
2-Chloronaphthalene
Concen: 47.208 ng
RT: 13.729 min Scan# 18
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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 :
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ClientSampleId :
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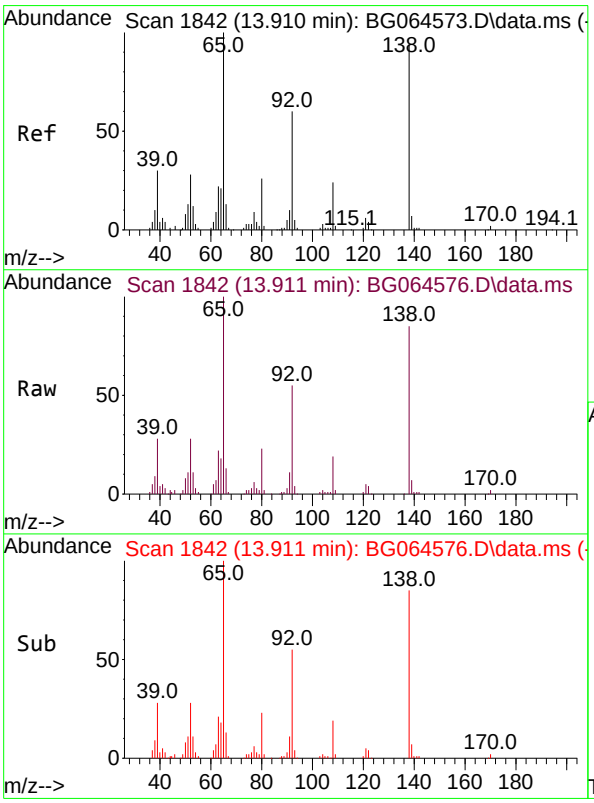
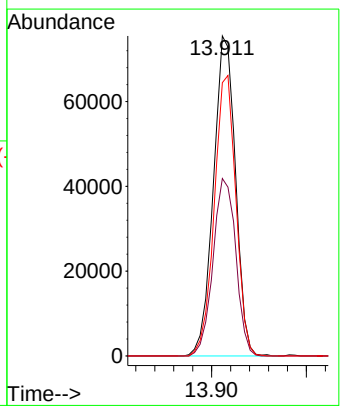
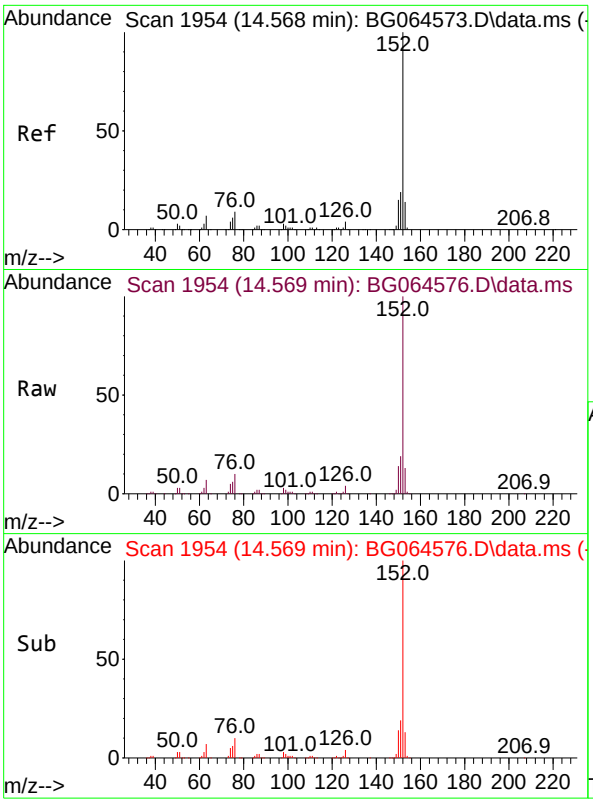


#48
2-Nitroaniline
Concen: 47.668 ng
RT: 13.911 min Scan# 1842
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

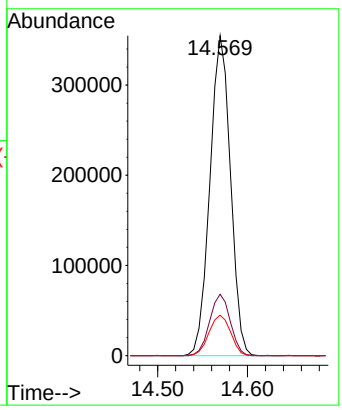




#49
Acenaphthylene
Concen: 47.060 ng
RT: 14.569 min Scan# 19
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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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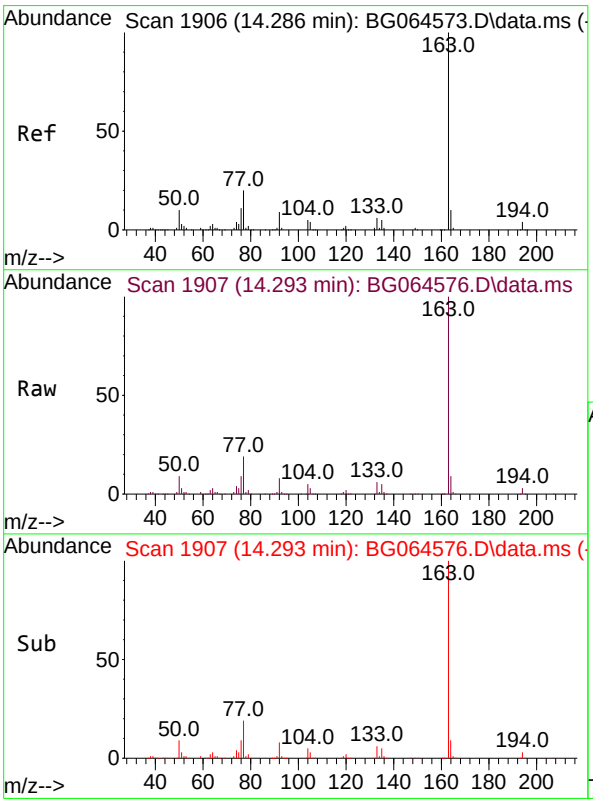
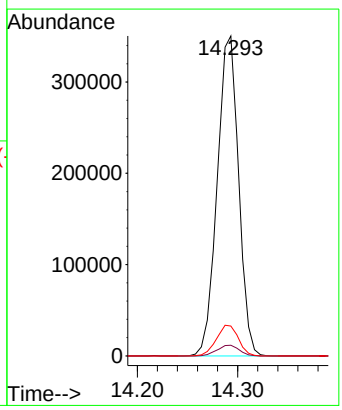
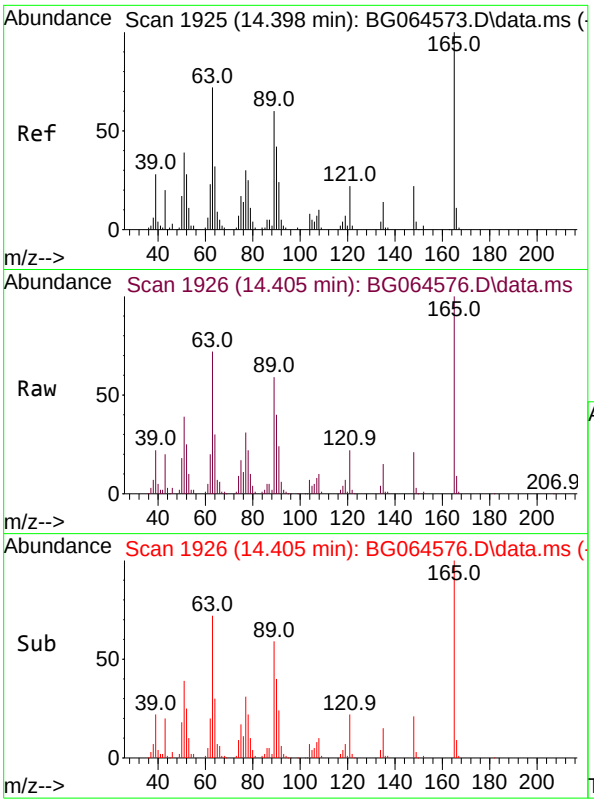


#50
Dimethylphthalate
Concen: 47.781 ng
RT: 14.293 min Scan# 1907
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

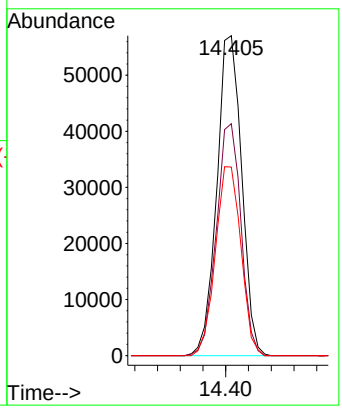




#51
2,6-Dinitrotoluene
Concen: 48.306 ng
RT: 14.405 min Scan# 19
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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 :
BNA_G
ClientSampleId :
SSTDICC050

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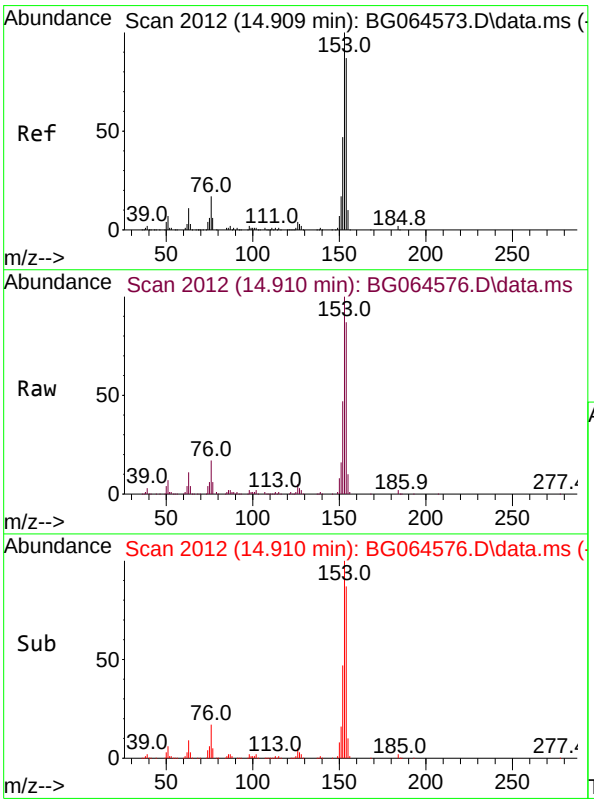
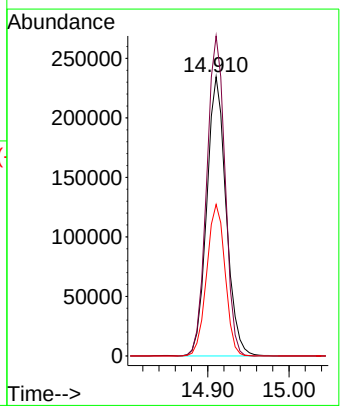
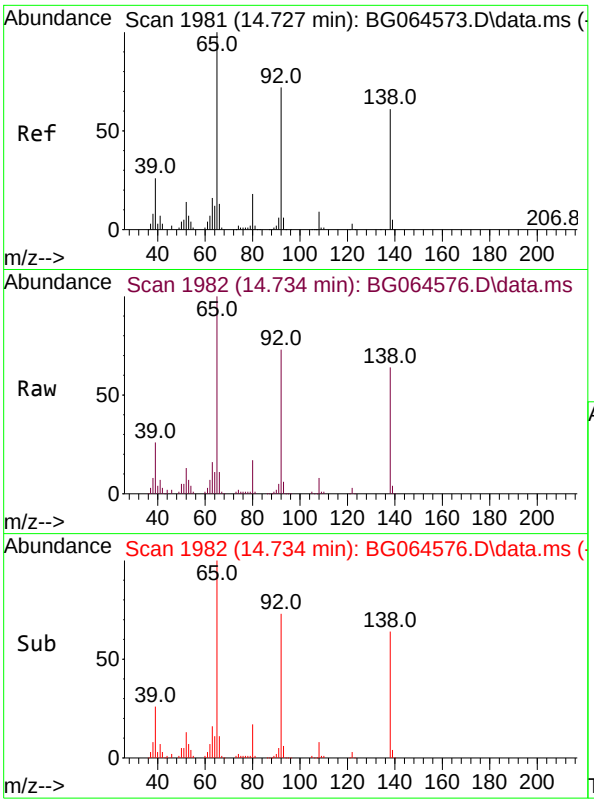


#52
Acenaphthene
Concen: 47.239 ng
RT: 14.910 min Scan# 2012
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

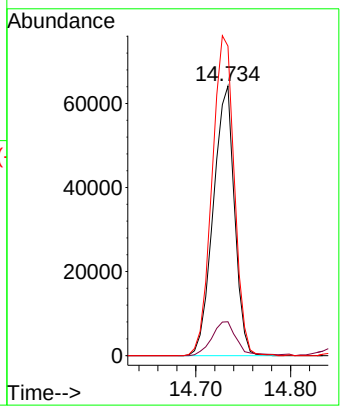




#53
3-Nitroaniline
Concen: 53.405 ng
RT: 14.734 min Scan# 19
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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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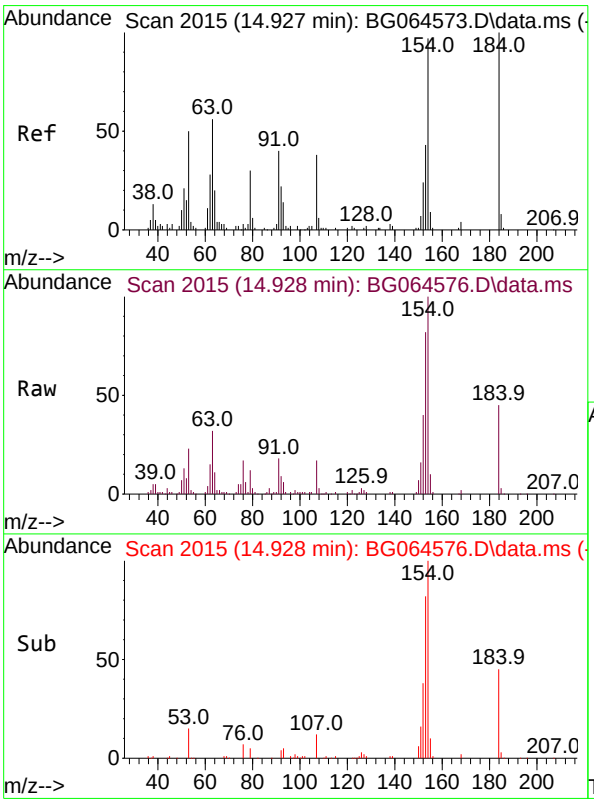
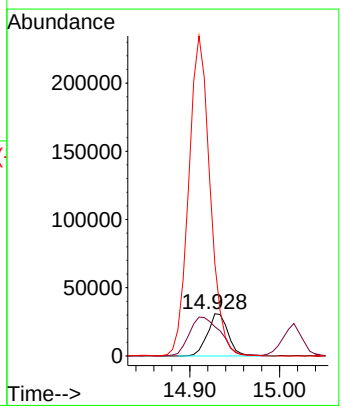
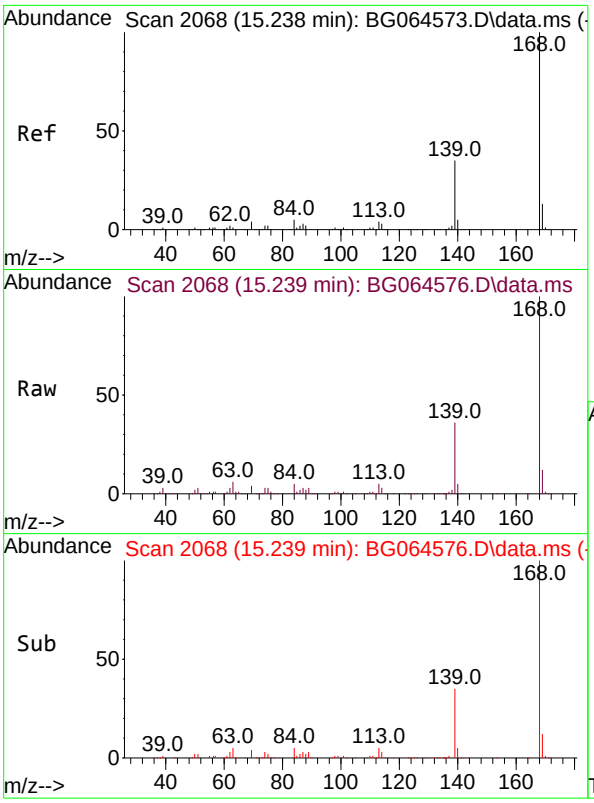


#54
2,4-Dinitrophenol
Concen: 47.268 ng
RT: 14.928 min Scan# 2015
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

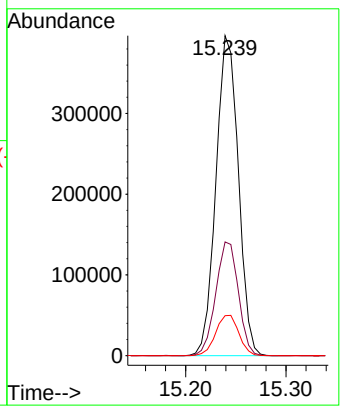




#55
Dibenzofuran
Concen: 46.355 ng
RT: 15.239 min Scan# 20
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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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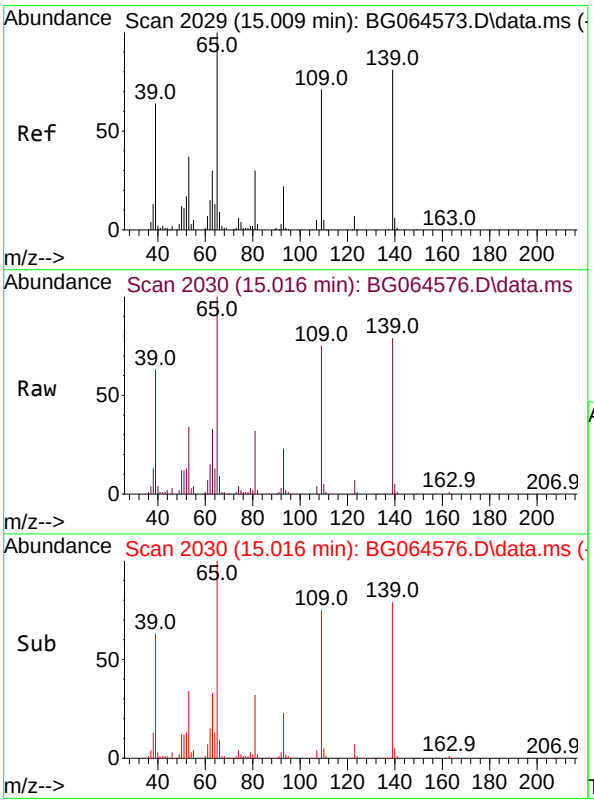
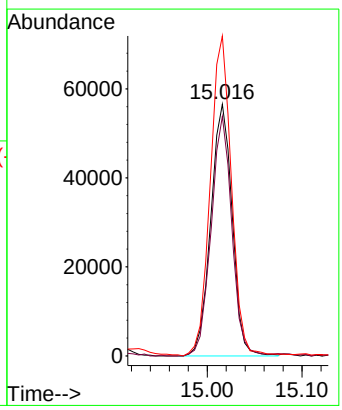
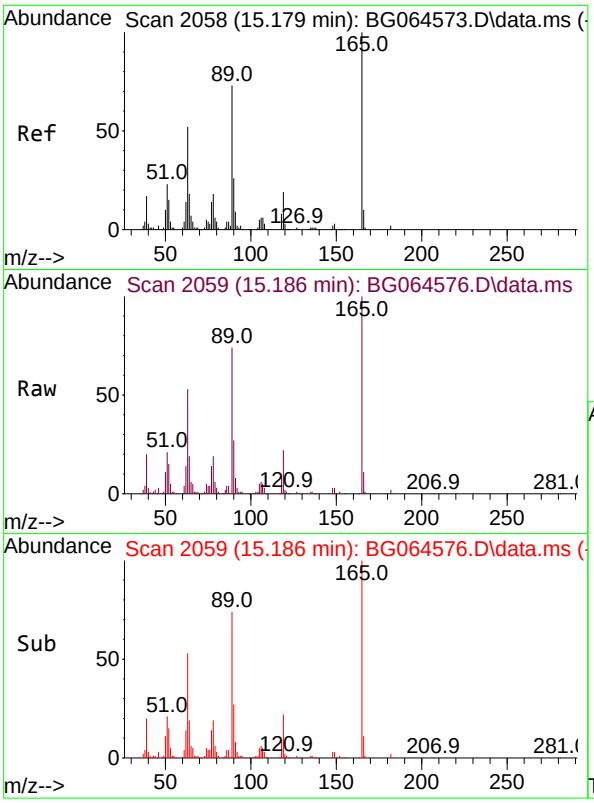


#56
4-Nitrophenol
Concen: 51.169 ng
RT: 15.016 min Scan# 2030
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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. 0.007 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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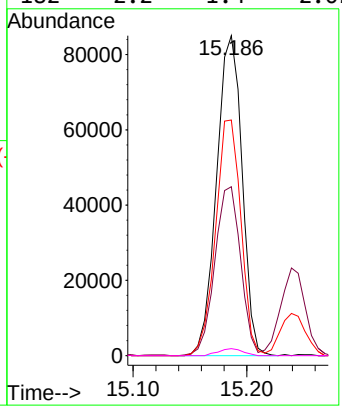
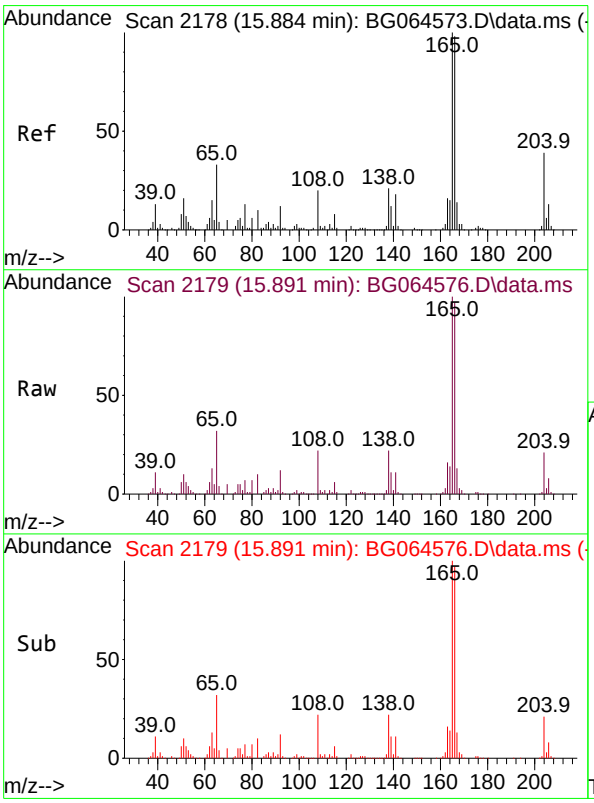
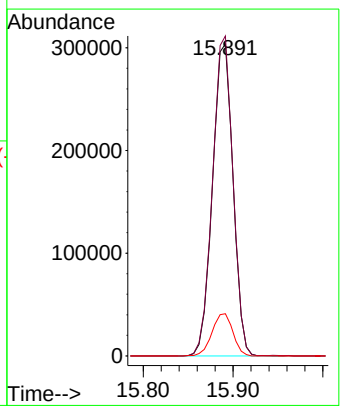


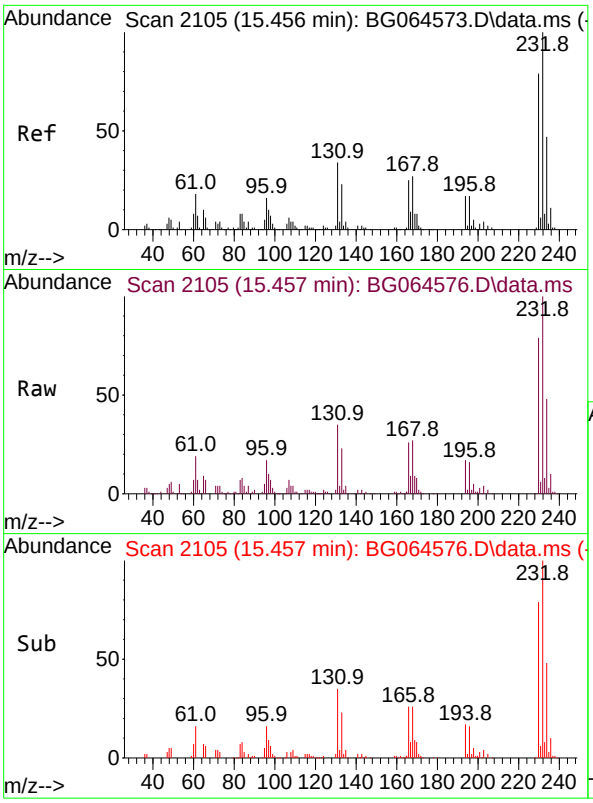


#58
Fluorene
Concen: 46.441 ng
RT: 15.891 min Scan# 2179
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

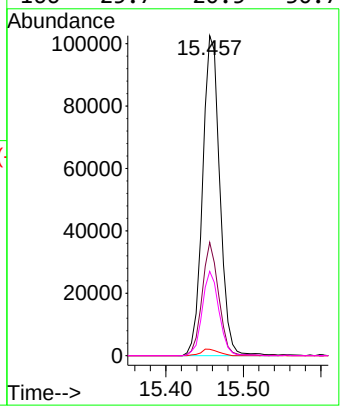




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.440 ng
RT: 15.457 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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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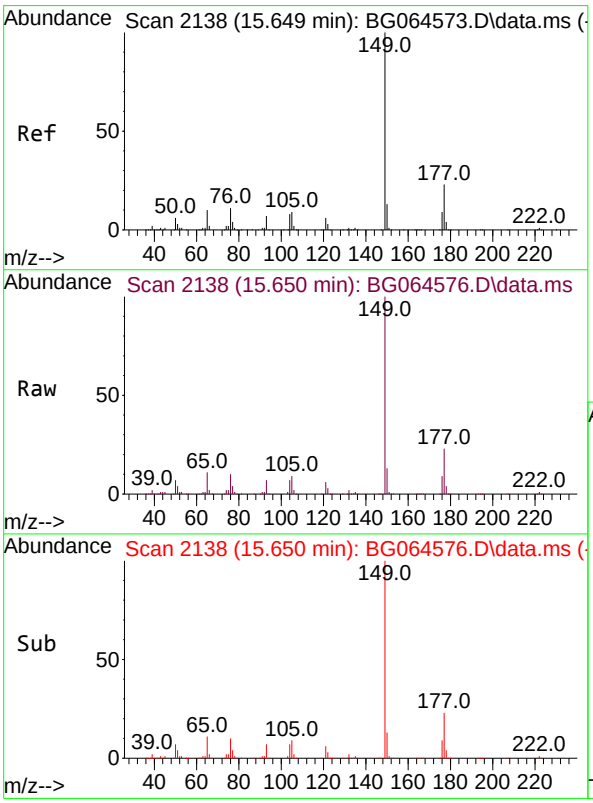
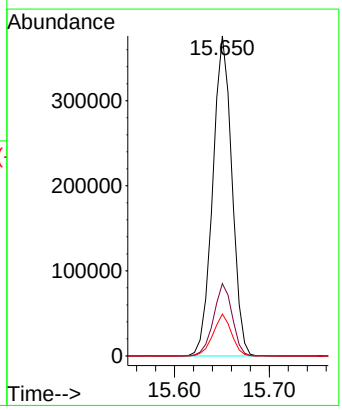
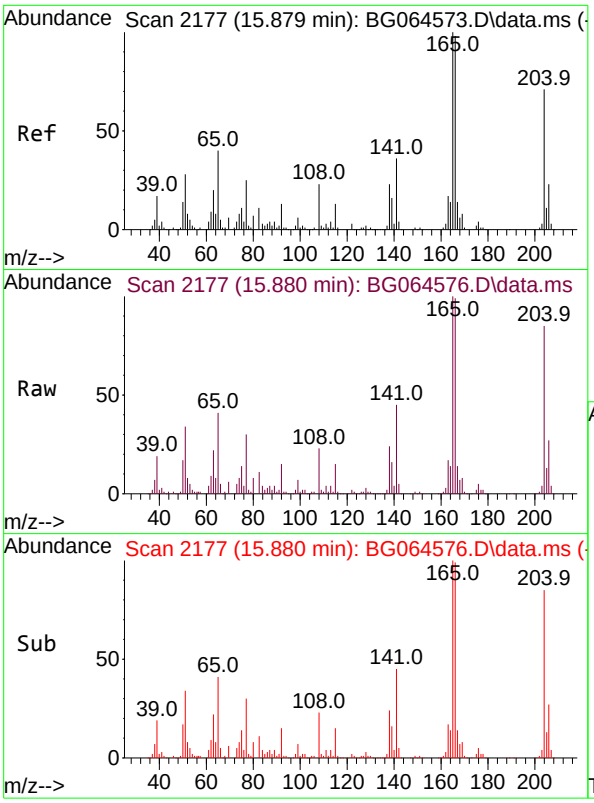


#60
Diethylphthalate
Concen: 47.543 ng
RT: 15.650 min Scan# 2138
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

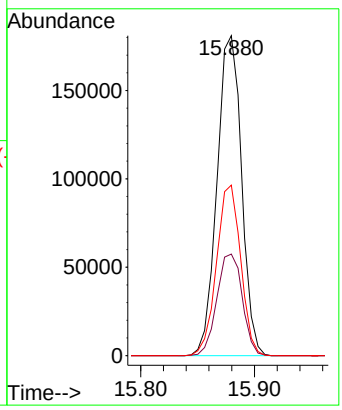




#61
4-Chlorophenyl-phenylether
Concen: 46.576 ng
RT: 15.880 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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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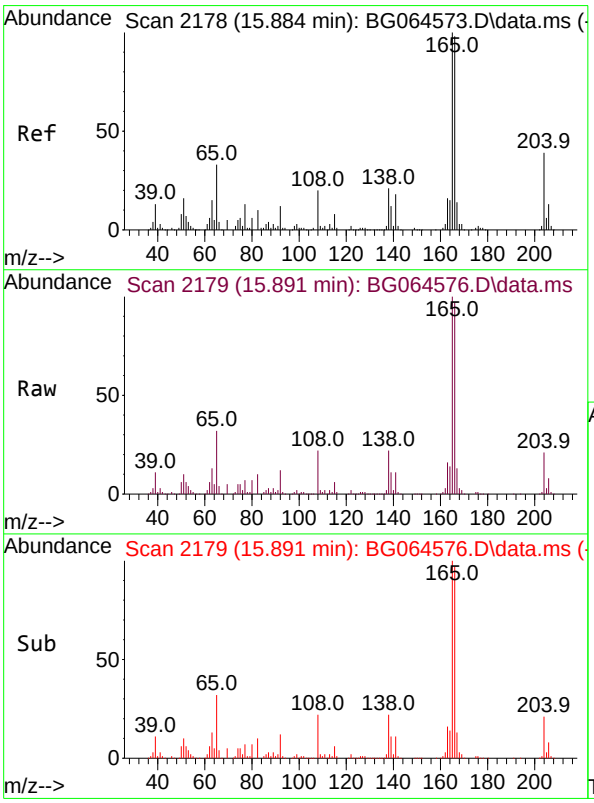
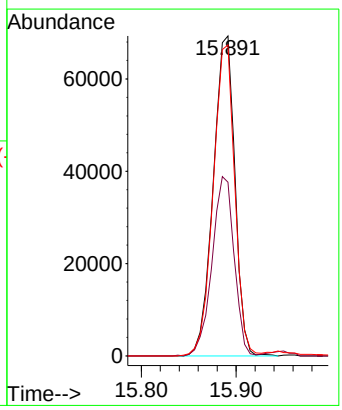
Supervised By :mohammad ahmed 11/05/2025

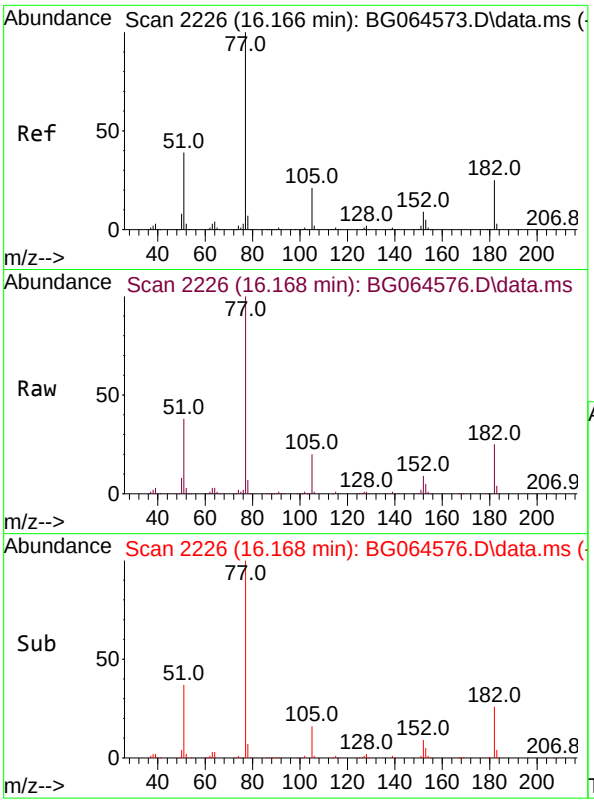


#62
4-Nitroaniline
Concen: 52.970 ng
RT: 15.891 min Scan# 2179
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

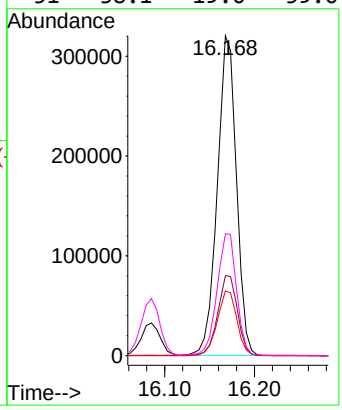




#63
Azobenzene
Concen: 46.671 ng
RT: 16.168 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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



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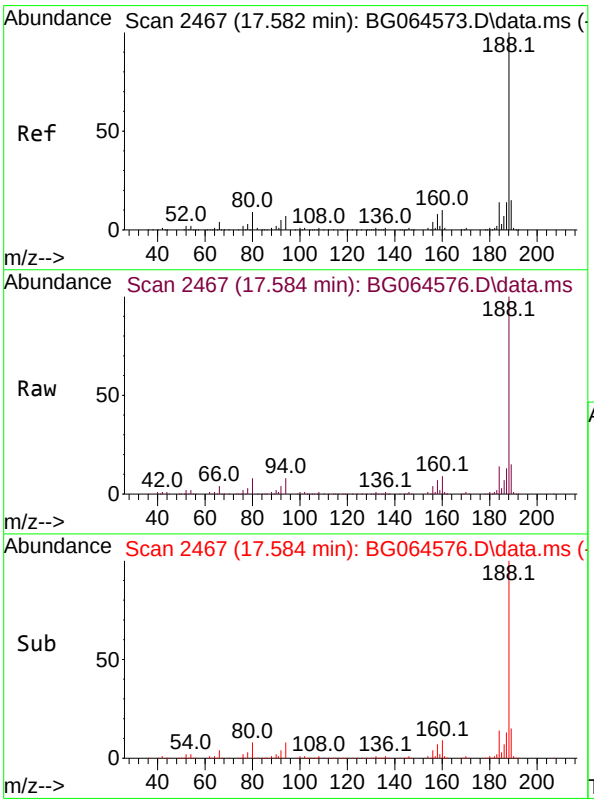
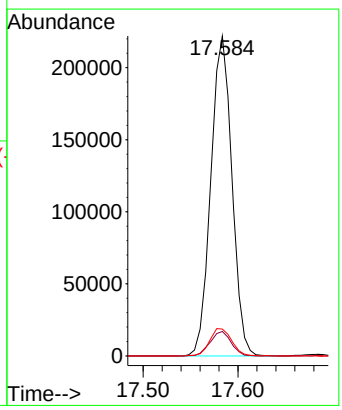
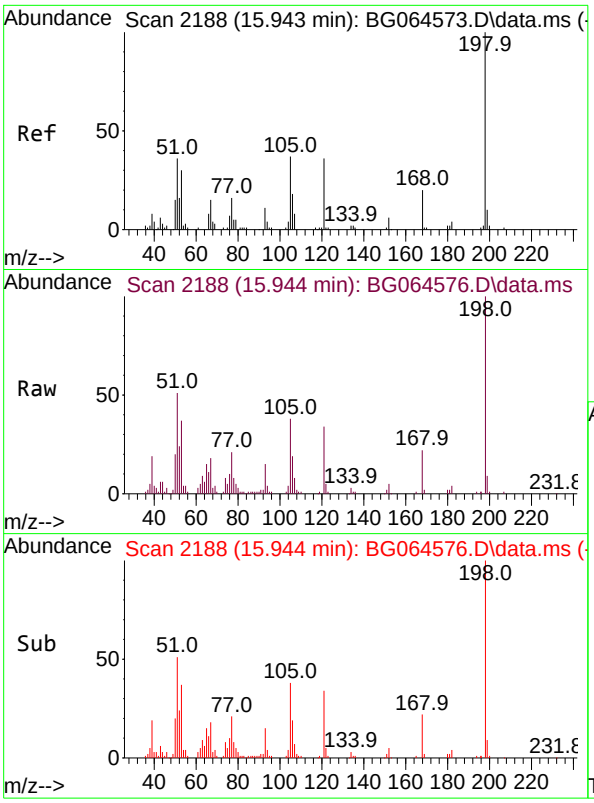


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.584 min Scan# 2467
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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. 0.001 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 :
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ClientSampleId :
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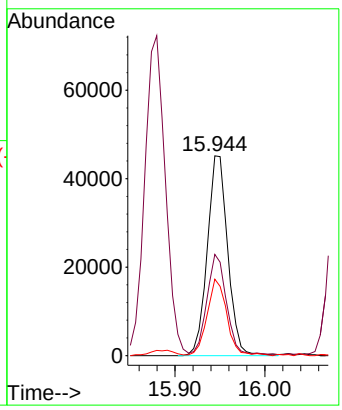
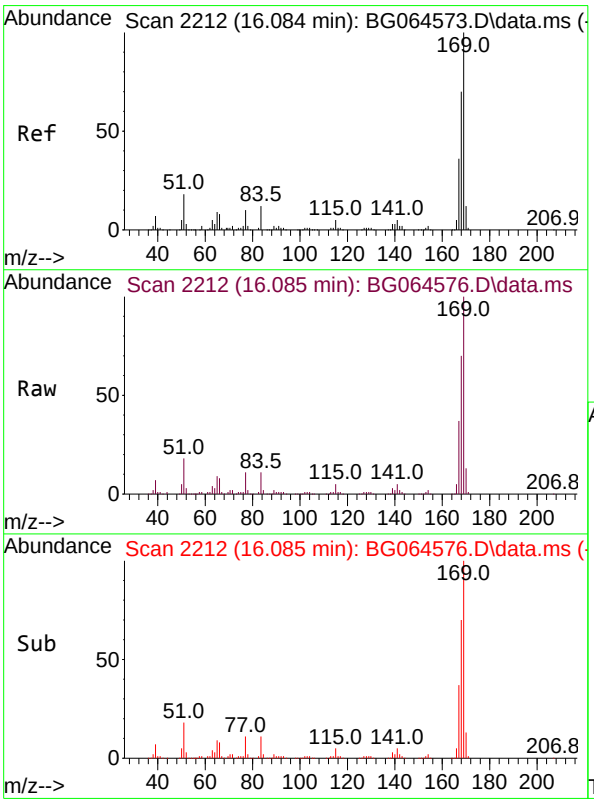
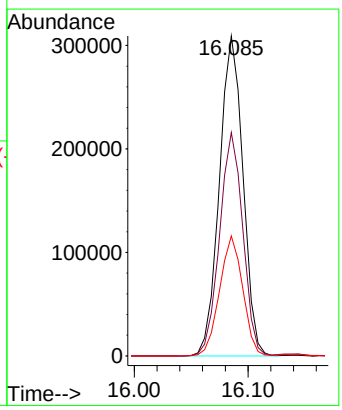


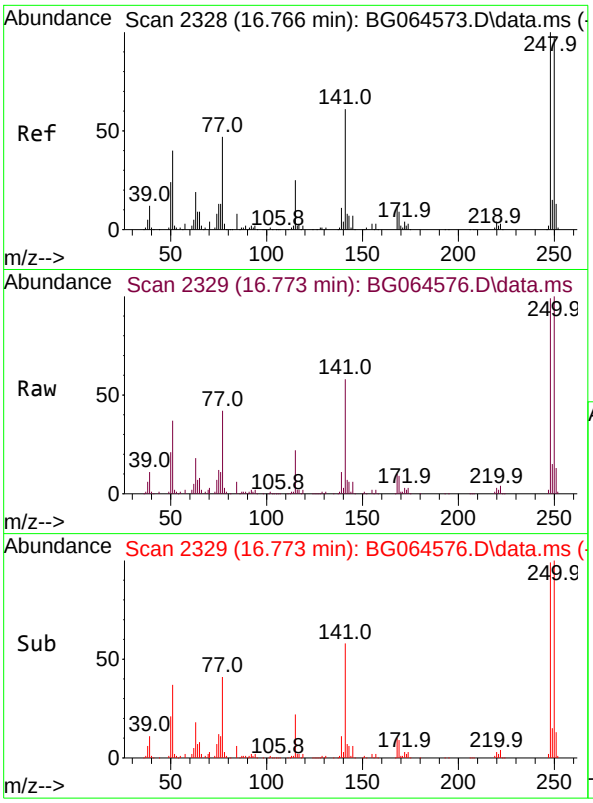


#66
n-Nitrosodiphenylamine
Concen: 47.959 ng
RT: 16.085 min Scan# 2212
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

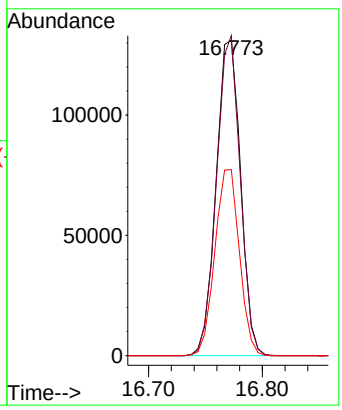




#67
4-Bromophenyl-phenylether
Concen: 48.225 ng
RT: 16.773 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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 :
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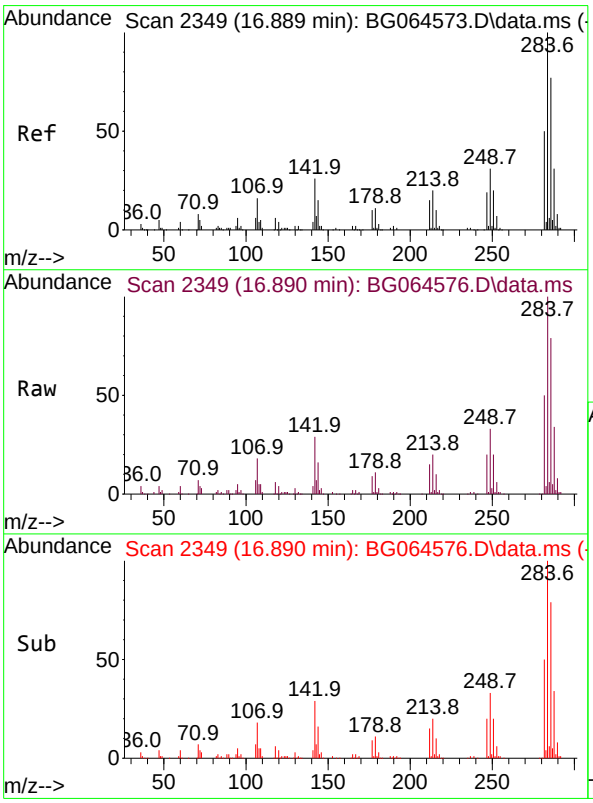
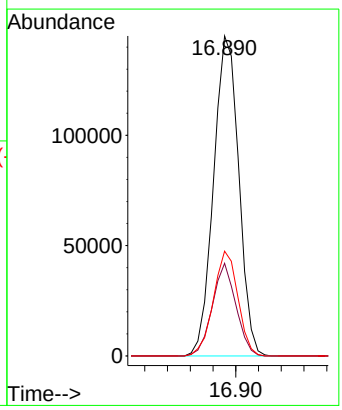
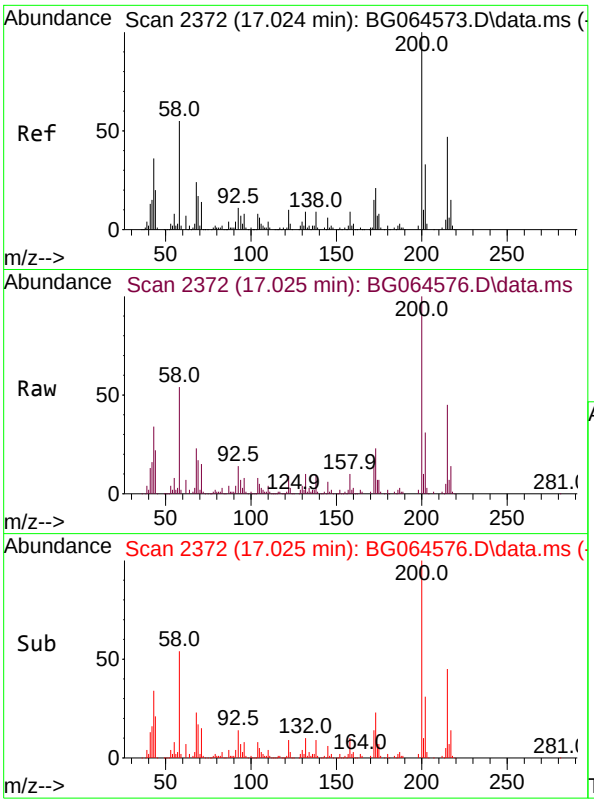


#68
Hexachlorobenzene
Concen: 48.043 ng
RT: 16.890 min Scan# 2349
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

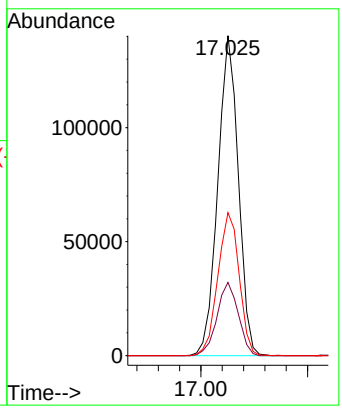




#69
Atrazine
Concen: 47.066 ng
RT: 17.025 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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 :
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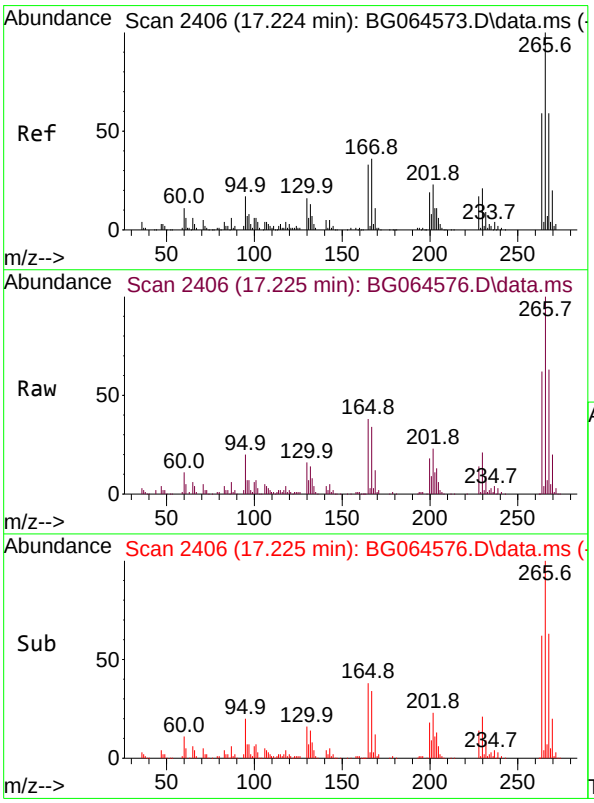
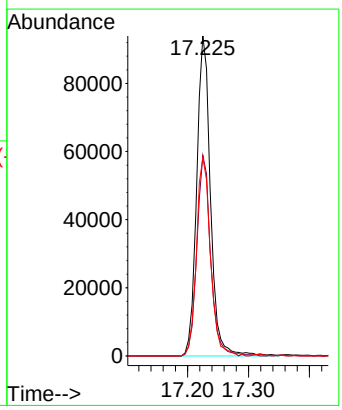
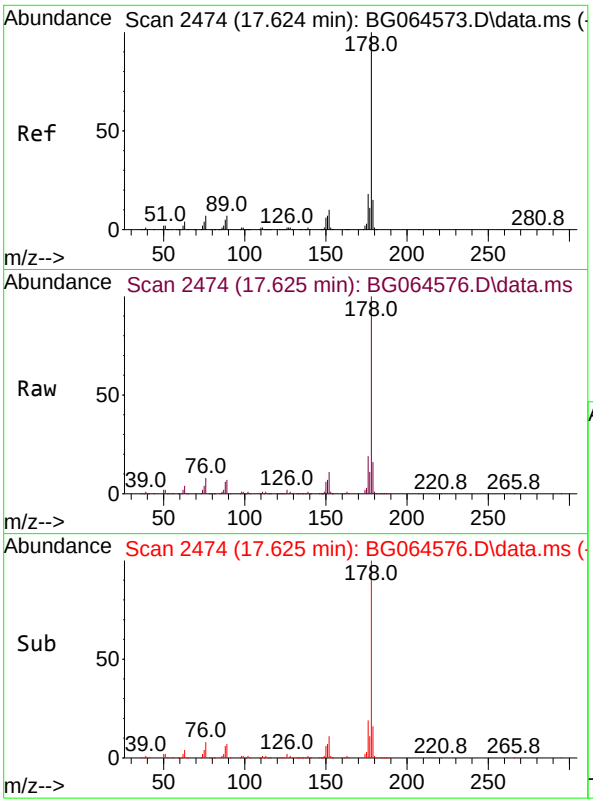


#70
Pentachlorophenol
Concen: 50.930 ng
RT: 17.225 min Scan# 2406
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

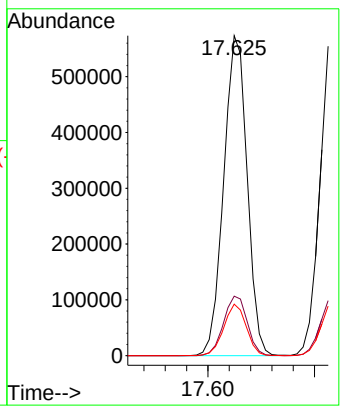




#71
Phenanthrene
Concen: 46.621 ng
RT: 17.625 min Scan# 24
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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 :
BNA_G
ClientSampleId :
SSTDICC050

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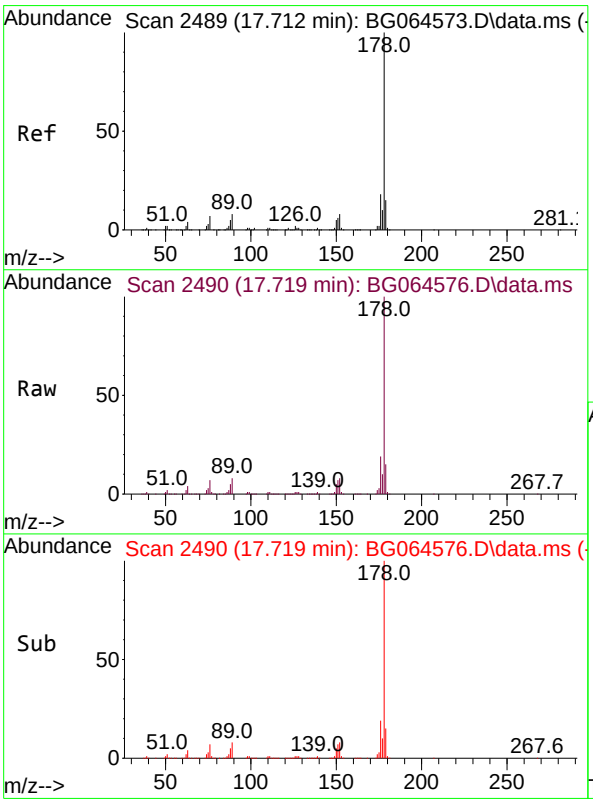
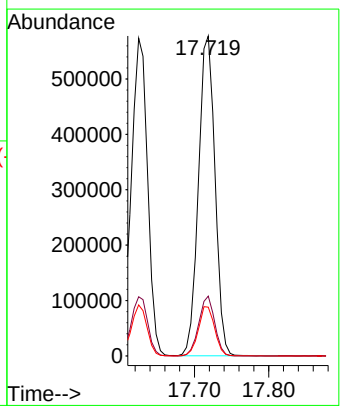
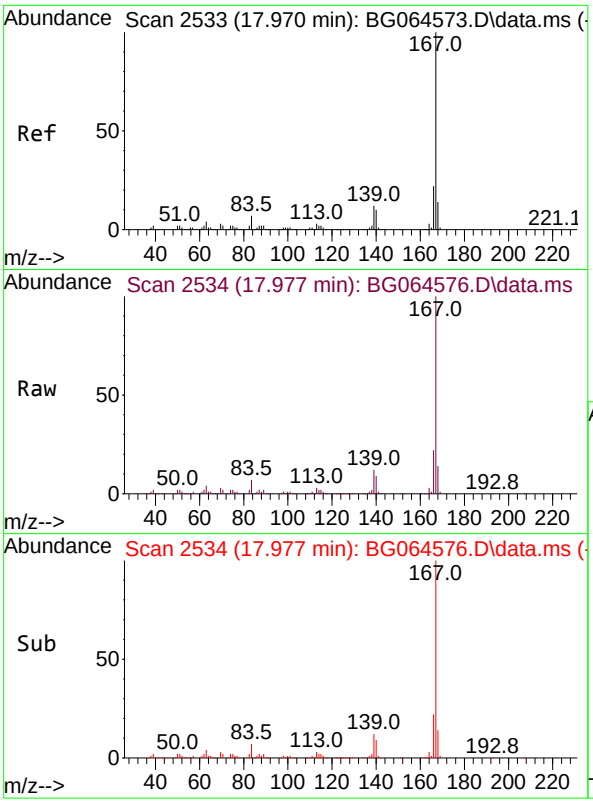


#72
Anthracene
Concen: 46.785 ng
RT: 17.719 min Scan# 2490
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

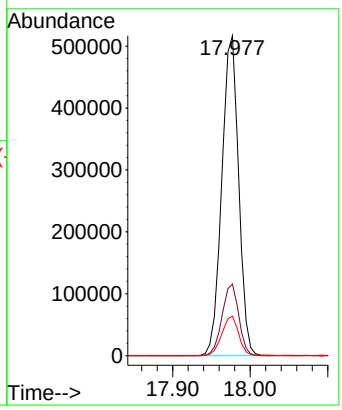




#73
Carbazole
Concen: 46.370 ng
RT: 17.977 min Scan# 2
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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 :
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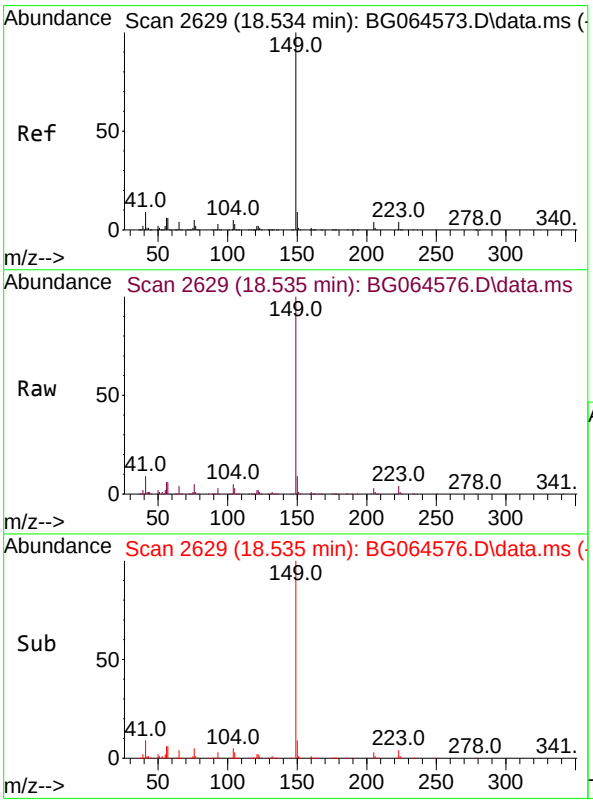
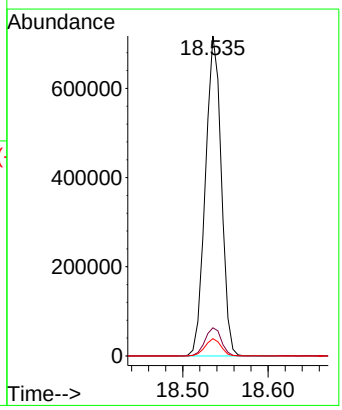
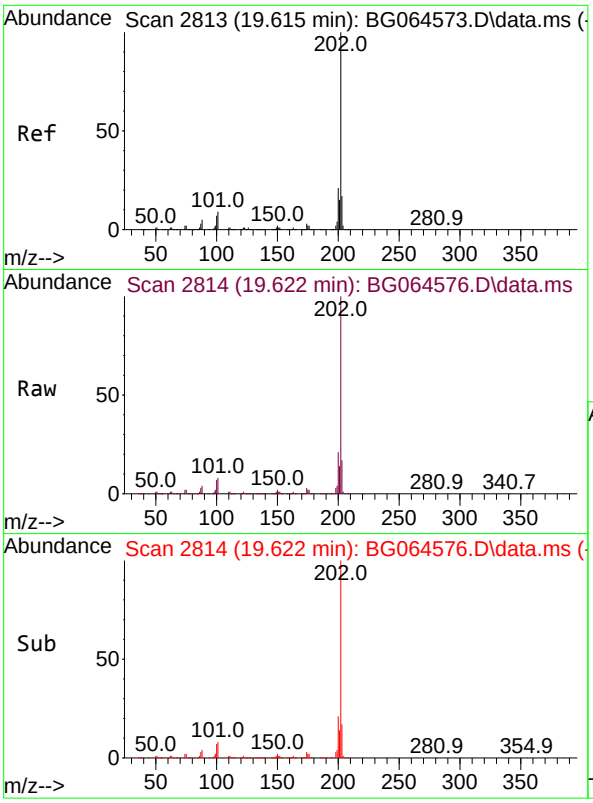


#74
Di-n-butylphthalate
Concen: 47.762 ng
RT: 18.535 min Scan# 2629
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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# 2
Delta R.T. 0.007 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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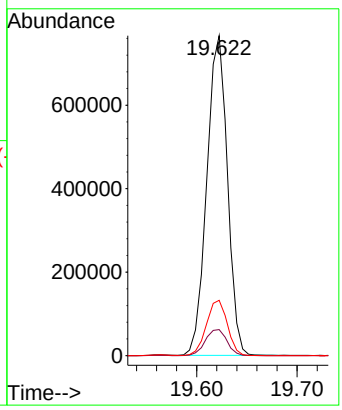
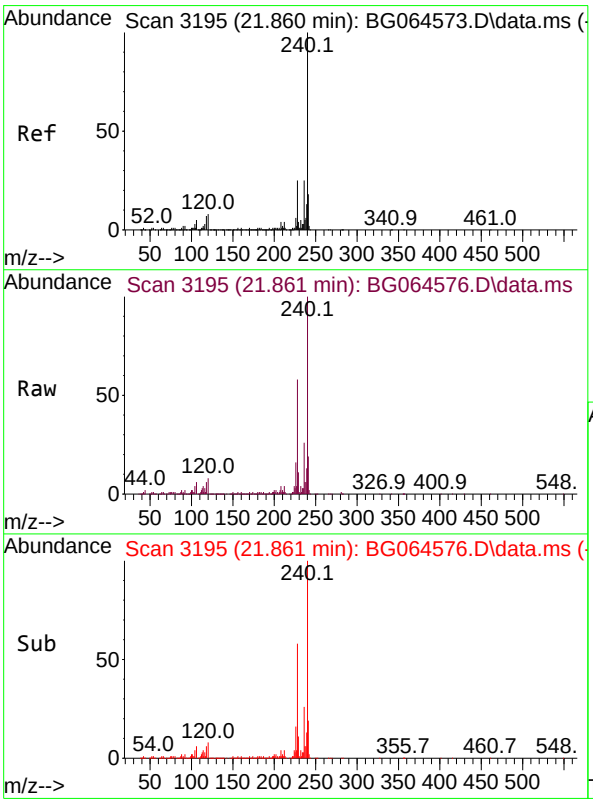
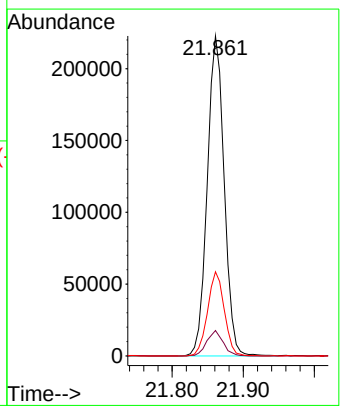


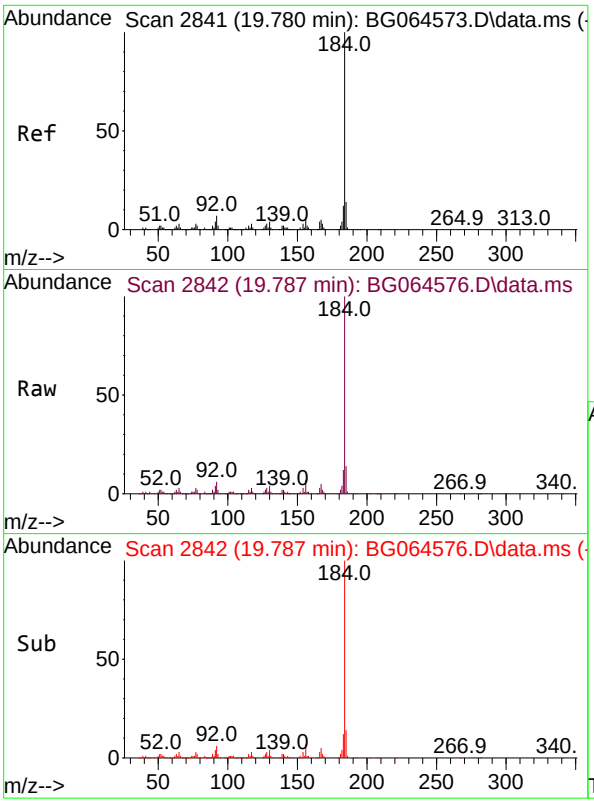


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.861 min Scan# 3195
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

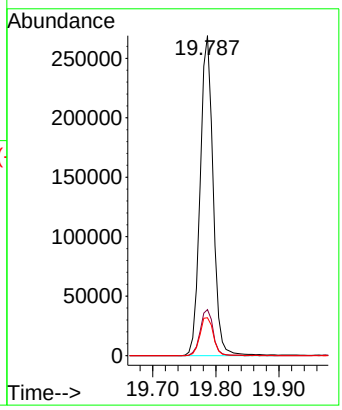




#77
Benzidine
Concen: 46.435 ng
RT: 19.787 min Scan# 28
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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 :
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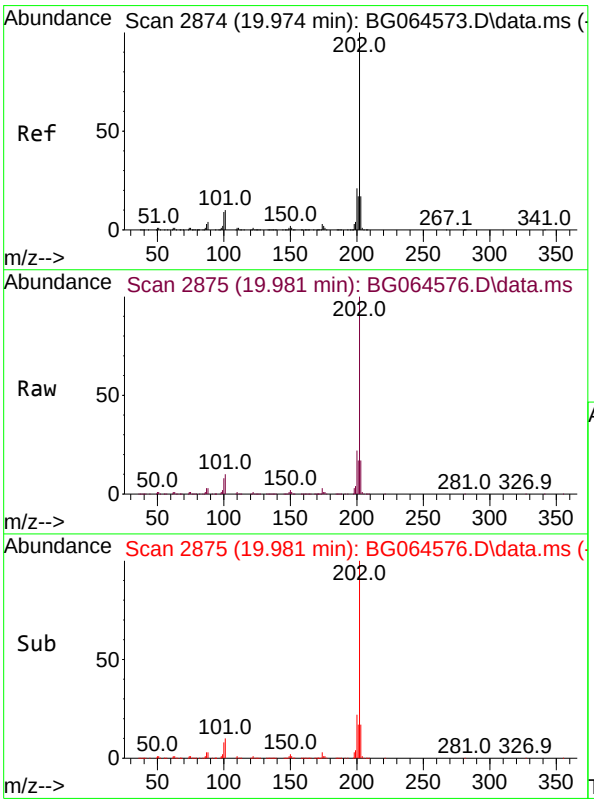
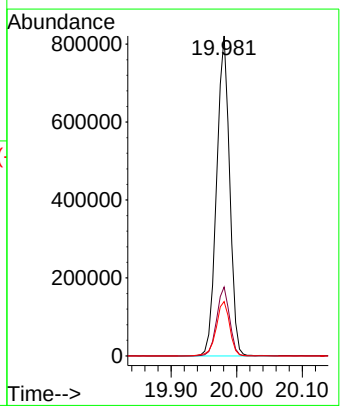
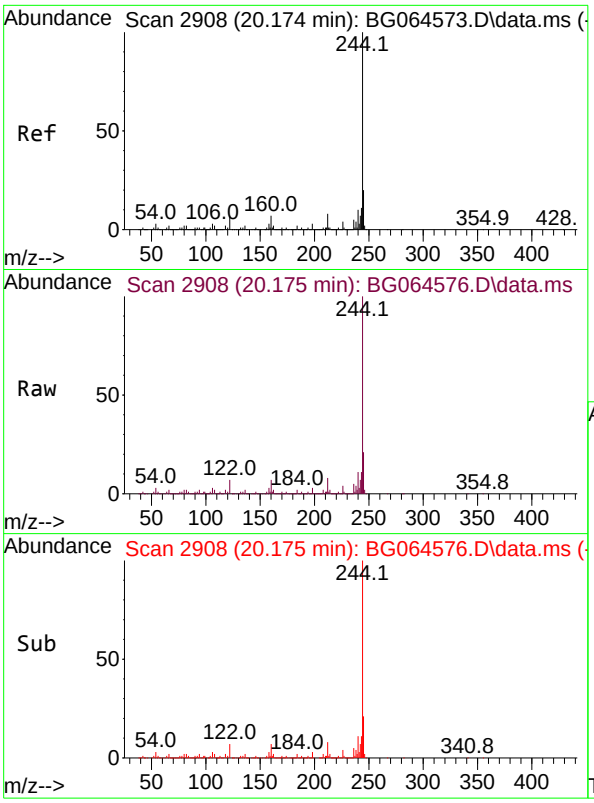


#78
Pyrene
Concen: 47.190 ng
RT: 19.981 min Scan# 2875
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

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

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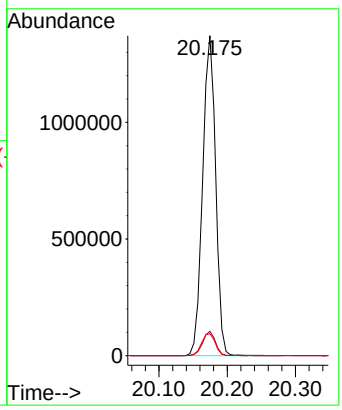
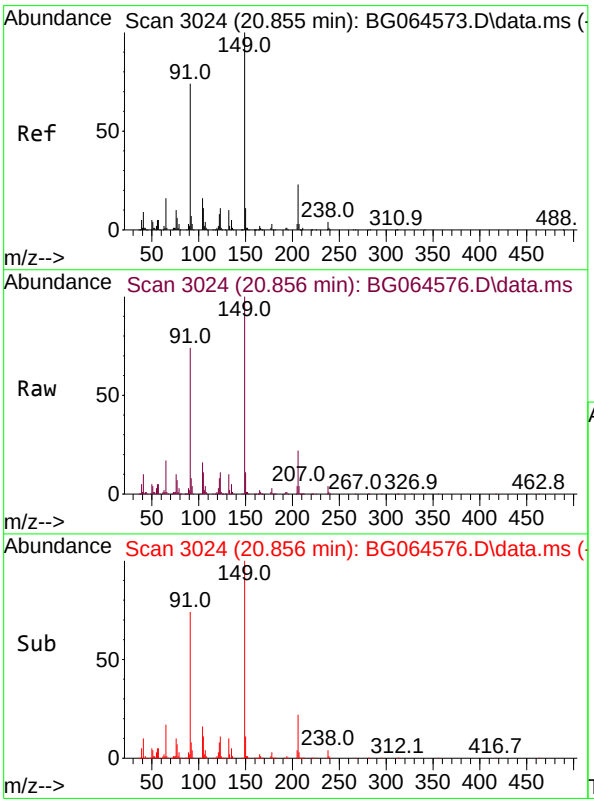
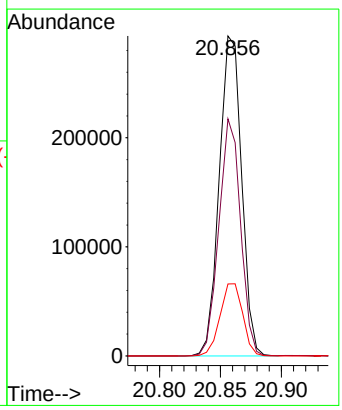


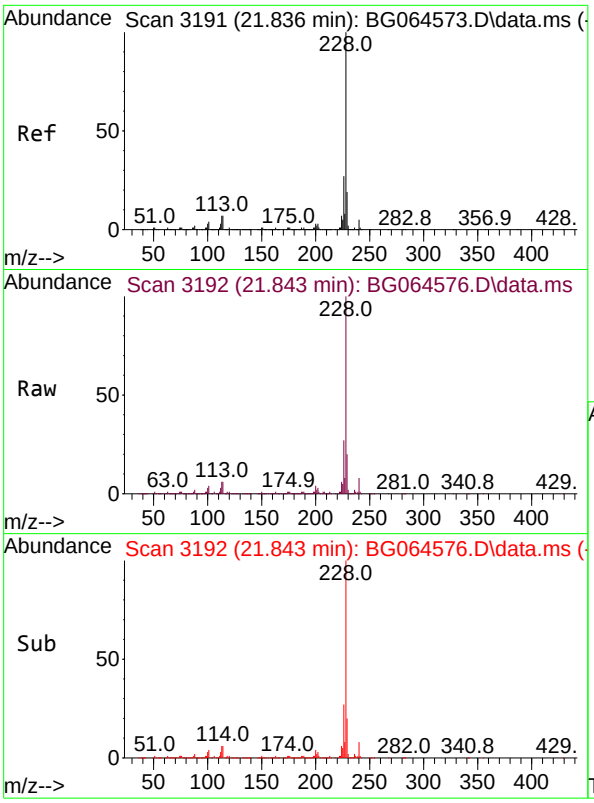


#80
Butylbenzylphthalate
Concen: 51.609 ng
RT: 20.856 min Scan# 3024
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

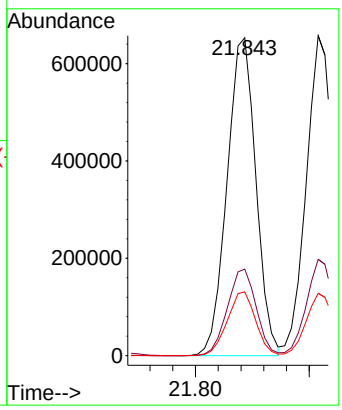
Tgt Ion:228 Resp: 115124

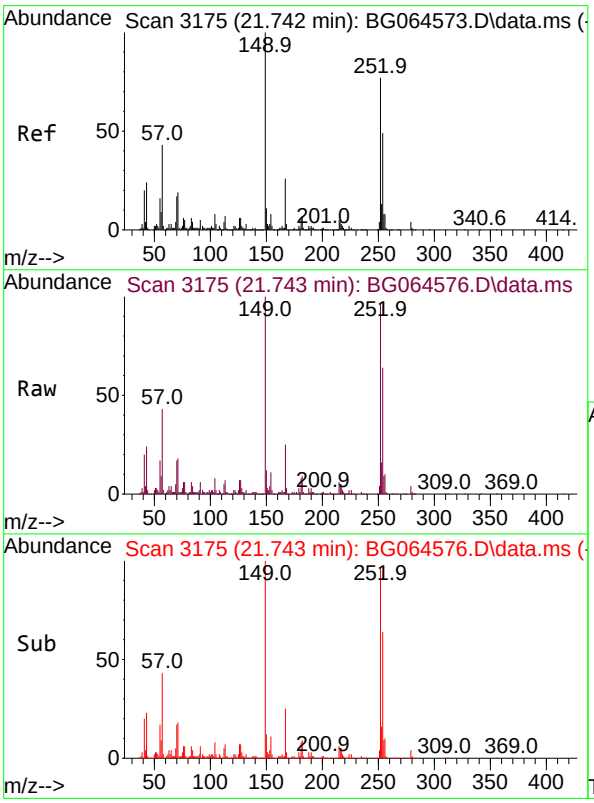
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	20.1	15.6	23.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

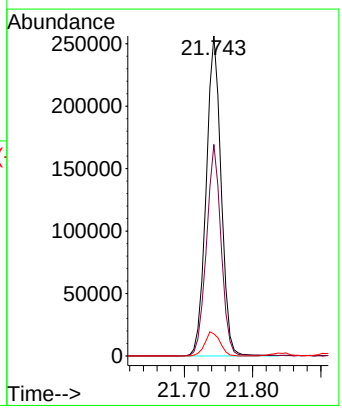


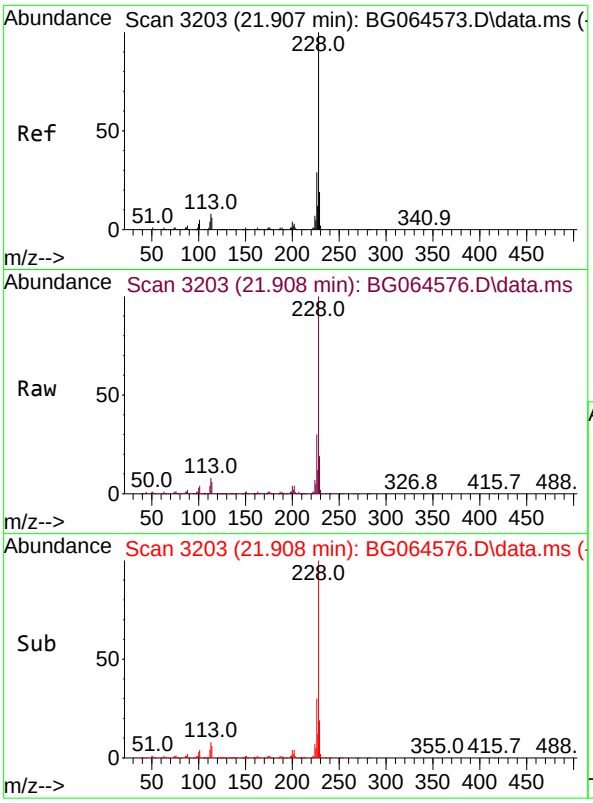


#82
3,3'-Dichlorobenzidine
Concen: 47.824 ng
RT: 21.743 min Scan# 3175
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

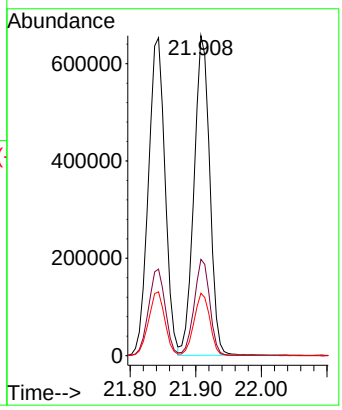




#83
Chrysene
Concen: 47.062 ng
RT: 21.908 min Scan# 3
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:228 Resp: 109145

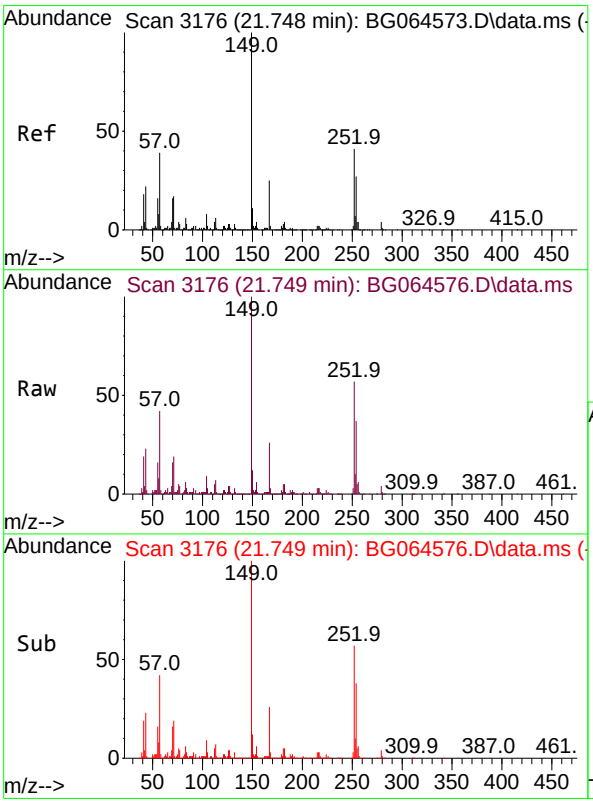
Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.3	34.9
229	19.5	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

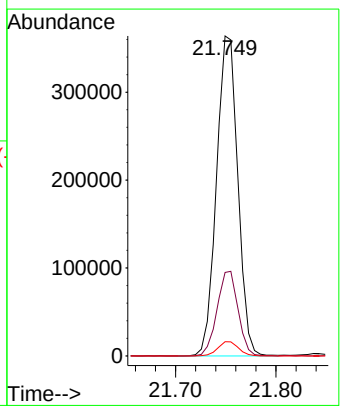
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

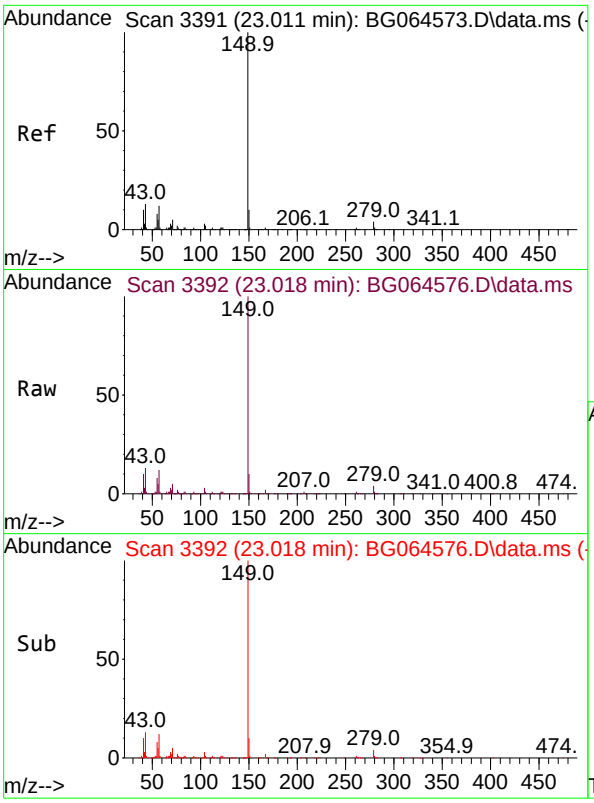


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.576 ng
RT: 21.749 min Scan# 3176
Delta R.T. 0.001 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

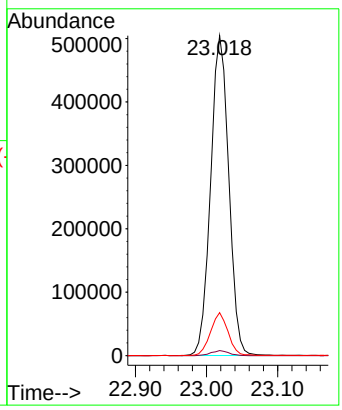




#85
Di-n-octyl phthalate
Concen: 49.039 ng
RT: 23.018 min Scan# 3
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 89676

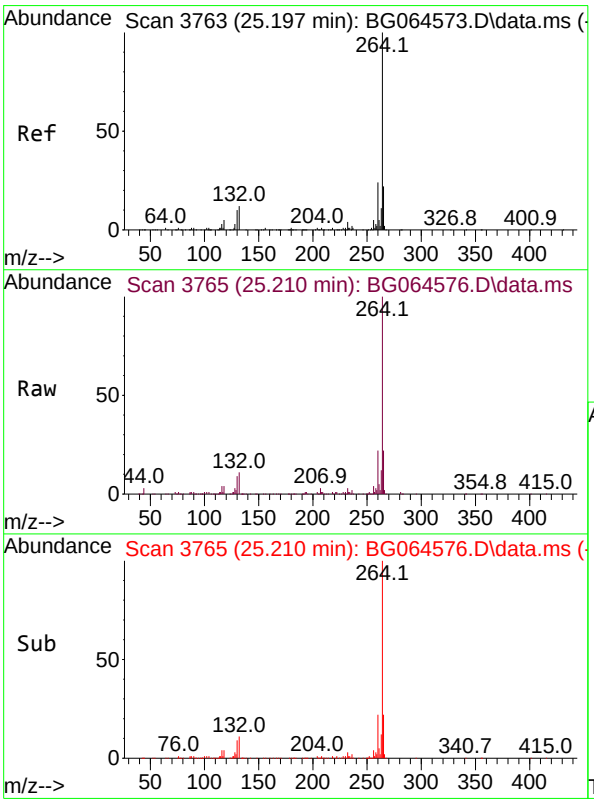
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.1	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

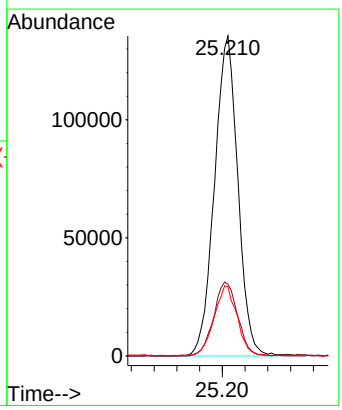
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

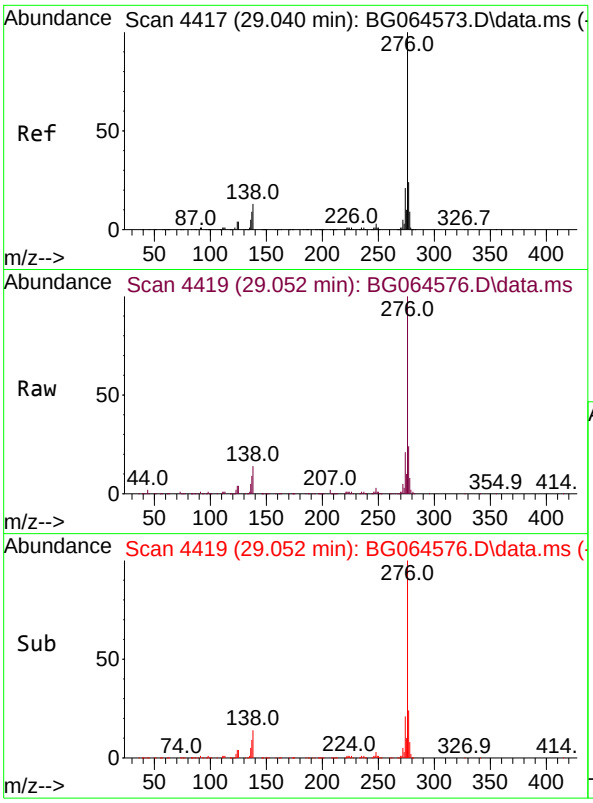


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.210 min Scan# 3765
Delta R.T. 0.013 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

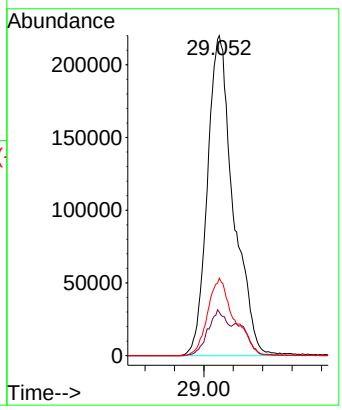




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.425 ng
RT: 29.052 min Scan# 44
Delta R.T. 0.013 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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
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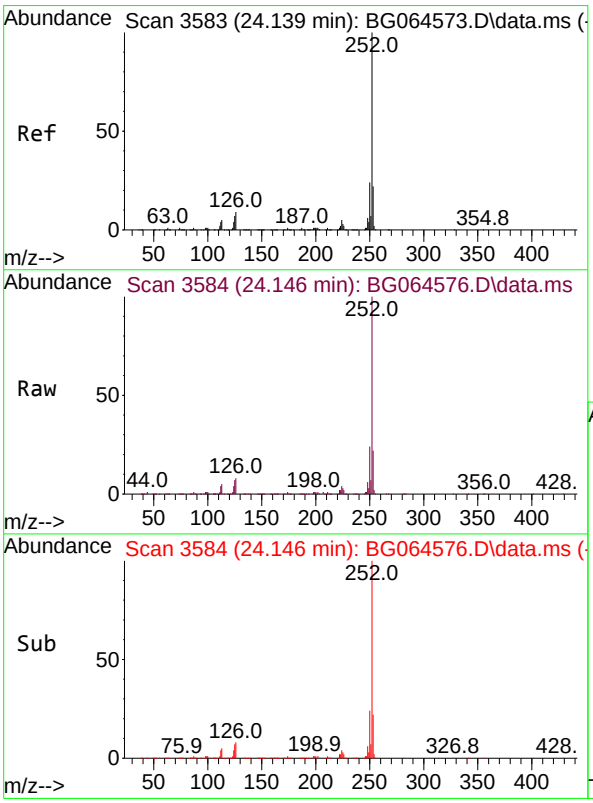
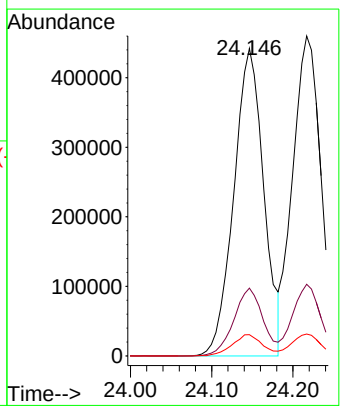
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

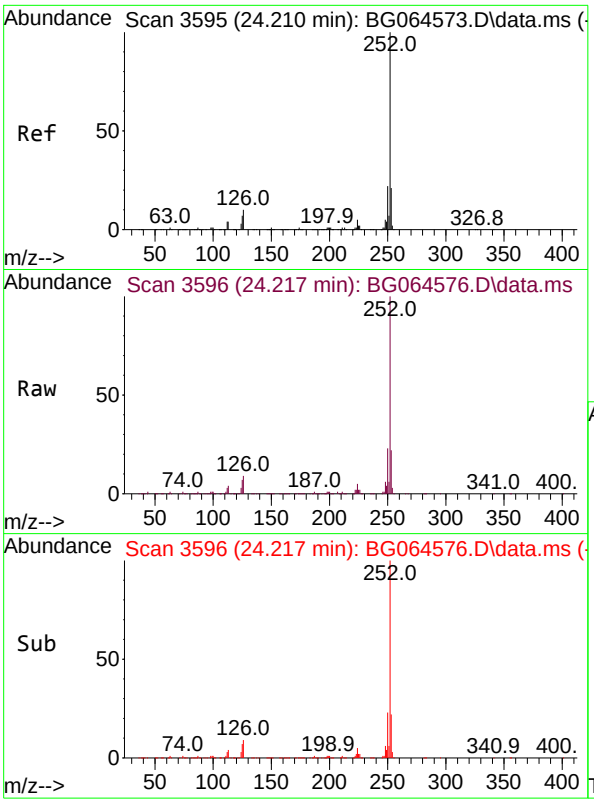


#88
Benzo(b)fluoranthene
Concen: 47.810 ng
RT: 24.146 min Scan# 3584
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

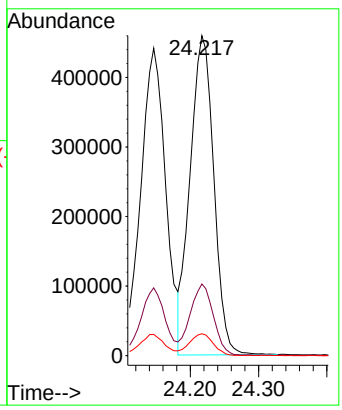




#89
Benzo(k)fluoranthene
Concen: 46.901 ng
RT: 24.217 min Scan# 3
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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
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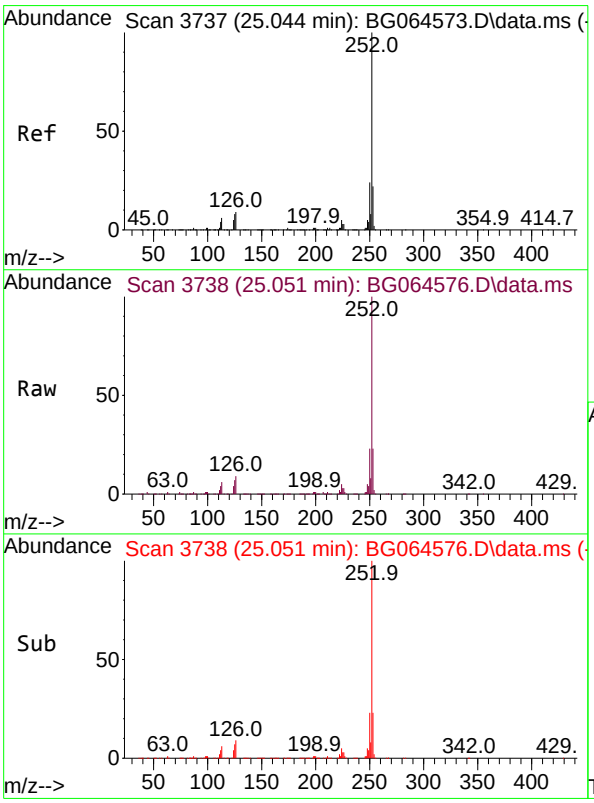
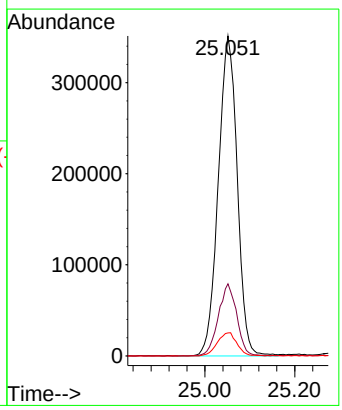
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025

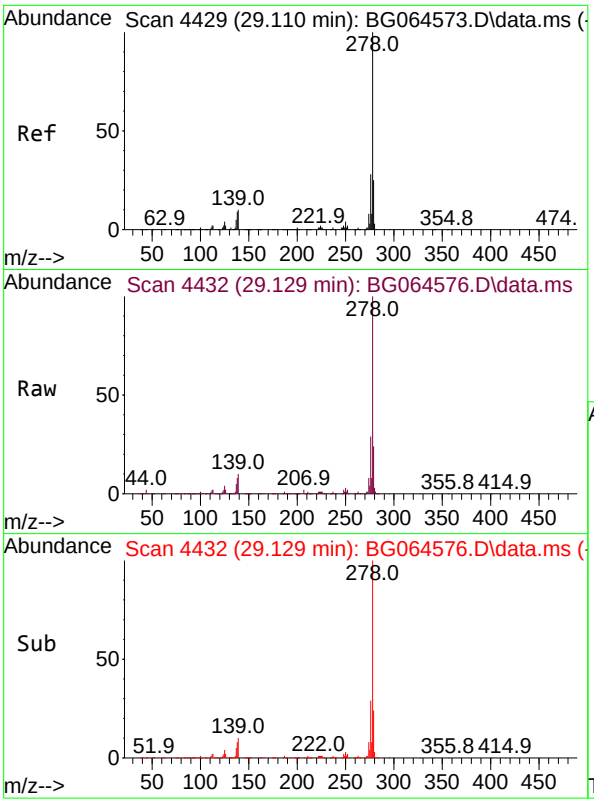


#90
Benzo(a)pyrene
Concen: 47.339 ng
RT: 25.051 min Scan# 3738
Delta R.T. 0.007 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

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

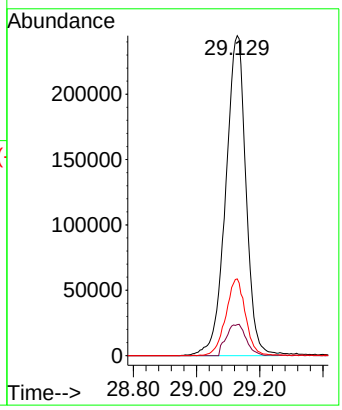




#91
Dibenzo(a,h)anthracene
Concen: 47.283 ng
RT: 29.129 min Scan# 44
Delta R.T. 0.019 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:278 Resp: 109040

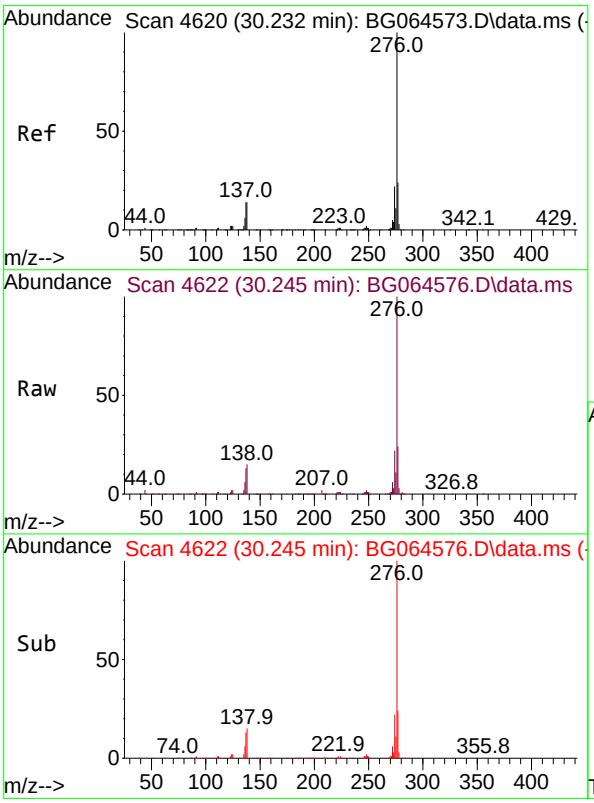
Ion	Ratio	Lower	Upper
278	100		
139	9.7	8.0	12.0
279	24.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

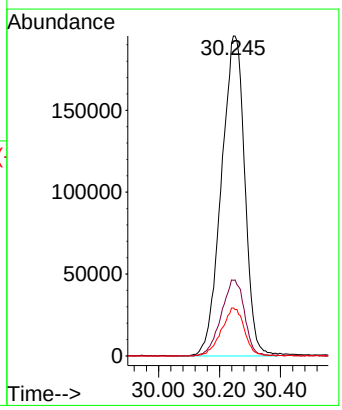
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 47.184 ng
RT: 30.245 min Scan# 4622
Delta R.T. 0.013 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:276 Resp: 1039447

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	15.0	11.3	16.9



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: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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	7.623	93	86447	34.973	ng	99
12) 1,3-Dichlorobenzene	8.111	146	96308	36.085	ng	94
13) 1,4-Dichlorobenzene	8.257	146	102132	37.634	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	8.651	107	85863	38.466	ng	93
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	94545	40.491	ng	99
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	48162	29.620	ng	96
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	35.513	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

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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	30.232	276	653564	37.302	ng		98

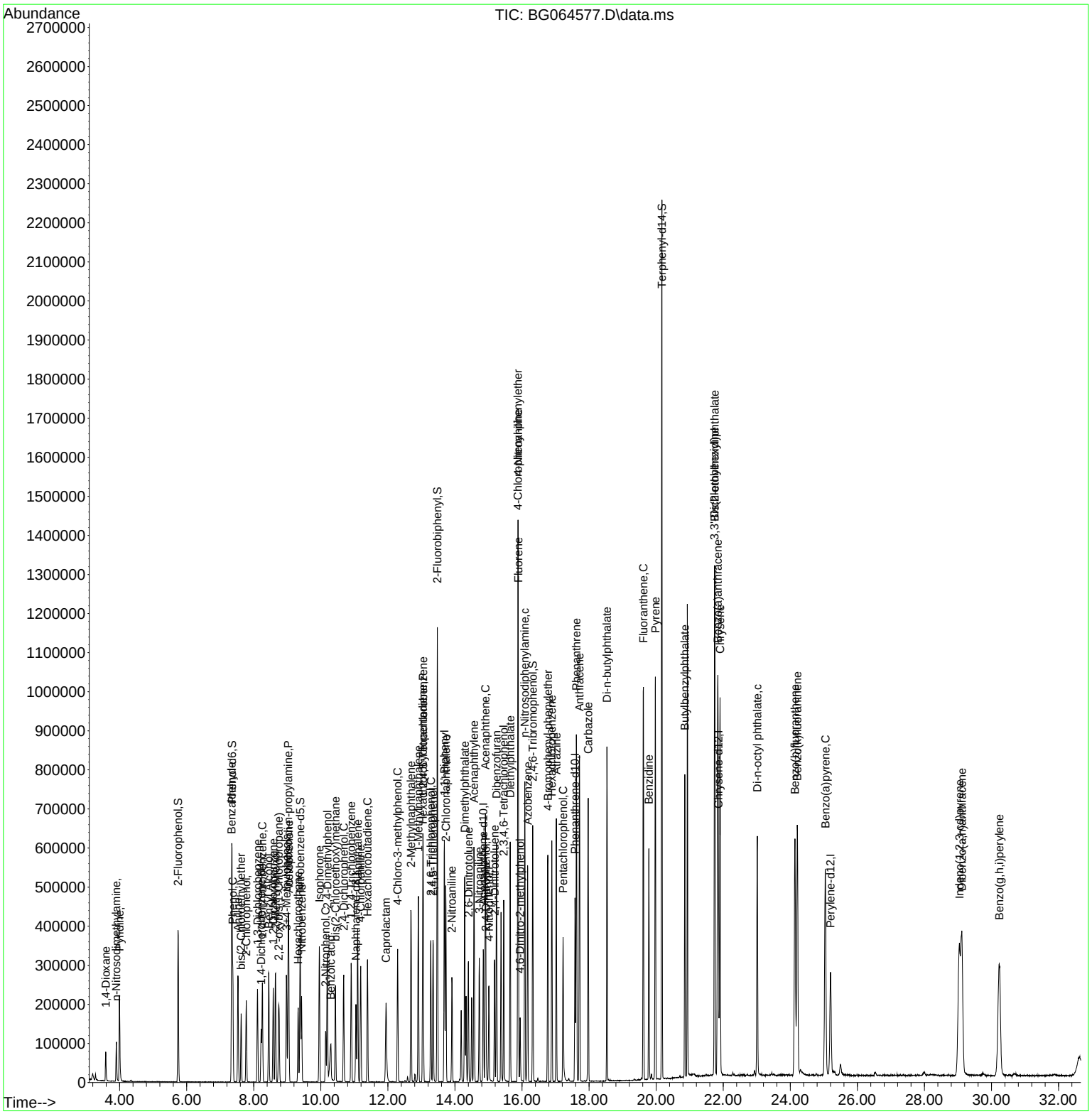
(#) = qualifier out of range (m) = manual integration (+) = signals summed

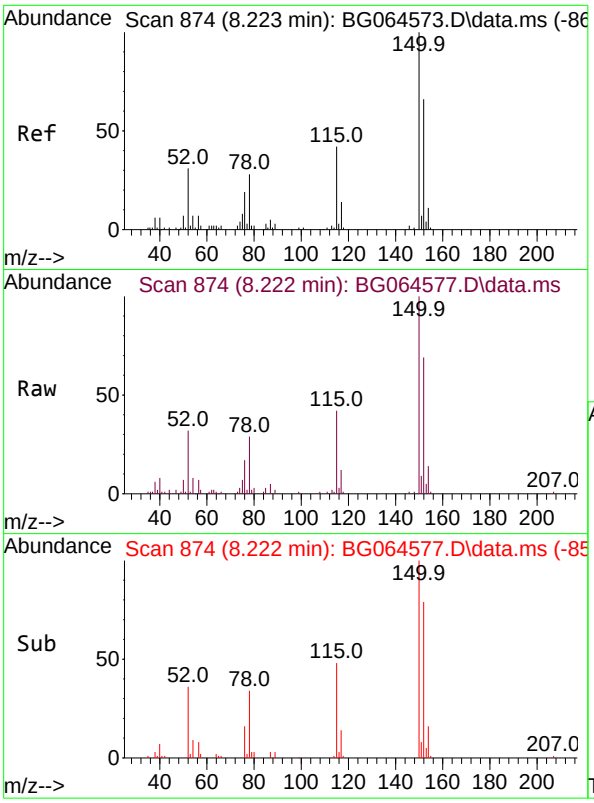
ICAL Form

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

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration



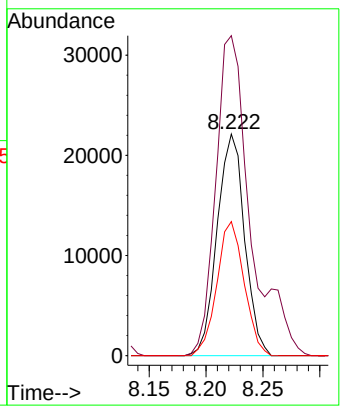


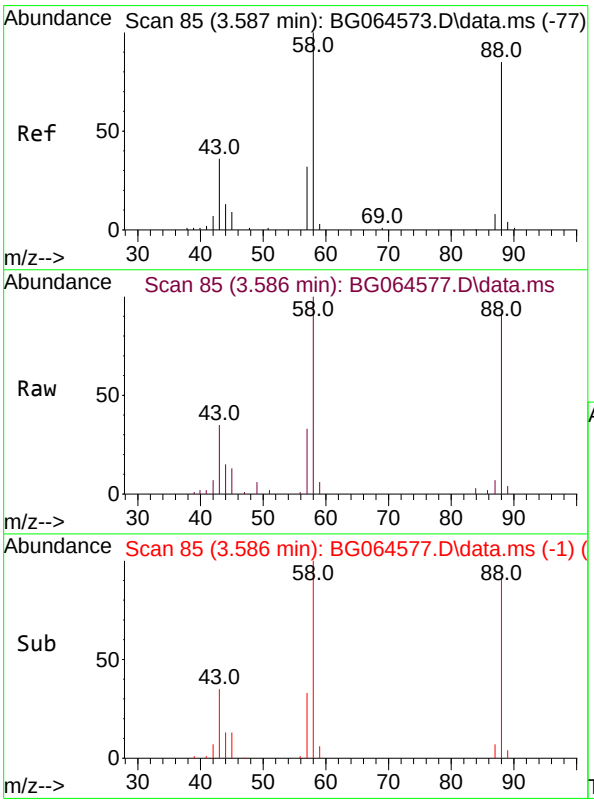
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.222 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:152 Resp: 37186

Ion	Ratio	Lower	Upper
152	100		
150	144.5	122.2	183.4
115	60.5	50.8	76.2

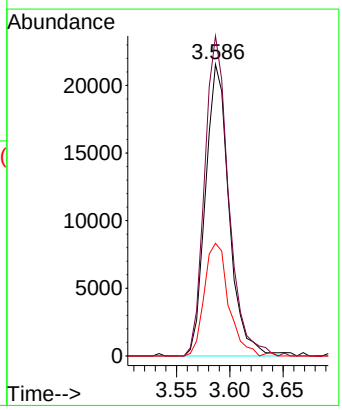


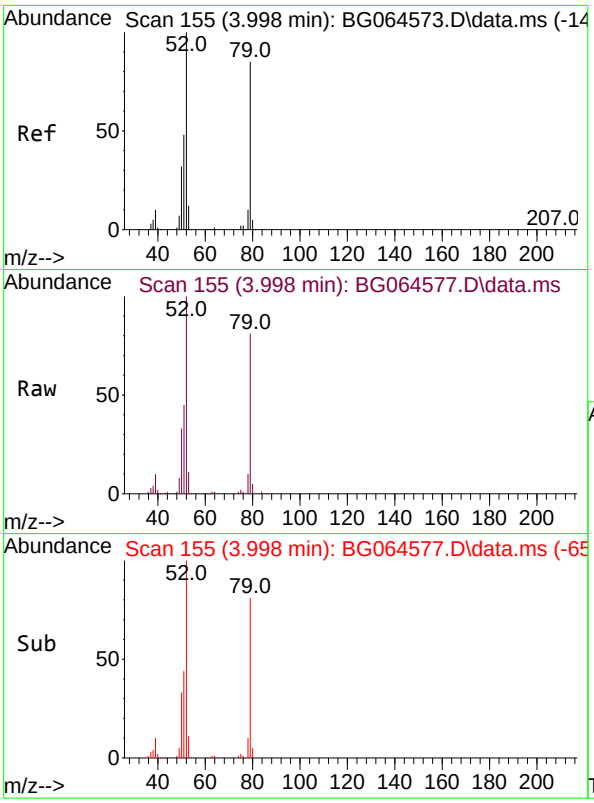


#2
1,4-Dioxane
Concen: 33.820 ng
RT: 3.586 min Scan# 85
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



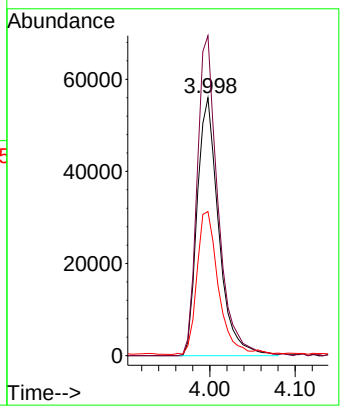


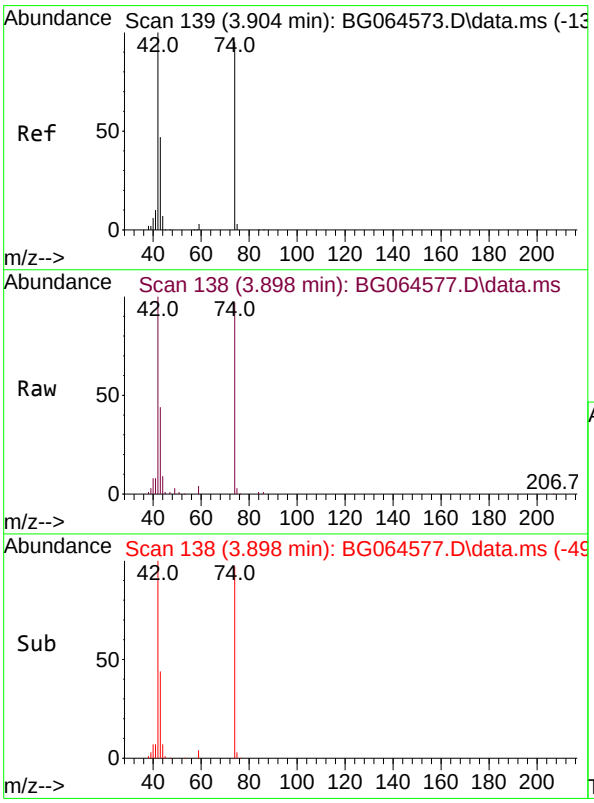
#3
Pyridine
Concen: 33.313 ng
RT: 3.998 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 79 Resp: 98123

Ion	Ratio	Lower	Upper
79	100		
52	124.1	94.2	141.2
51	55.8	46.1	69.1

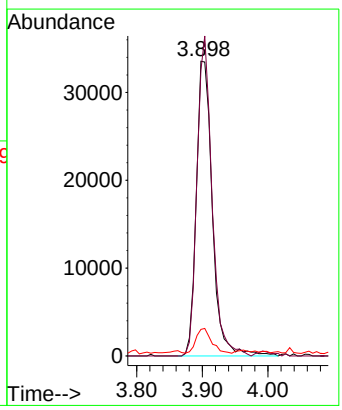


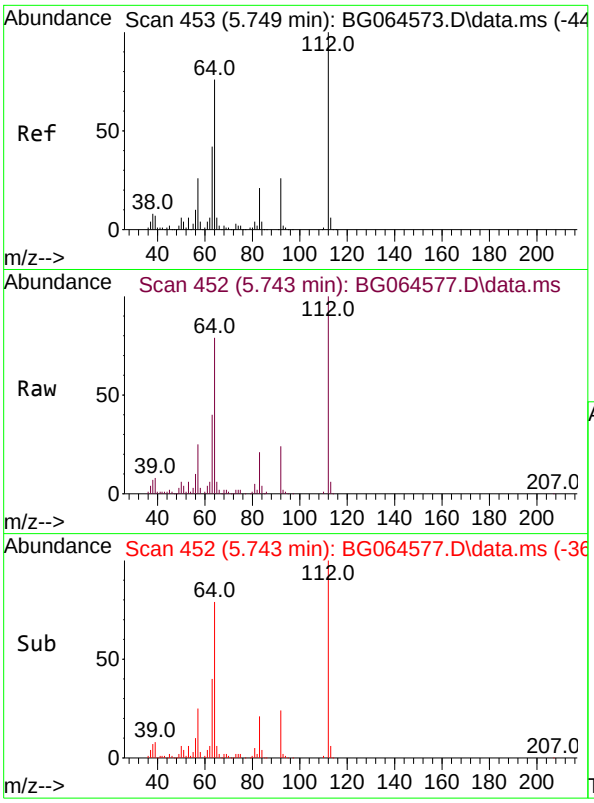


#4
n-Nitrosodimethylamine
Concen: 36.025 ng
RT: 3.898 min Scan# 138
Delta R.T. -0.007 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



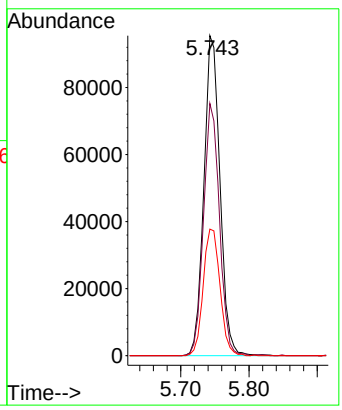


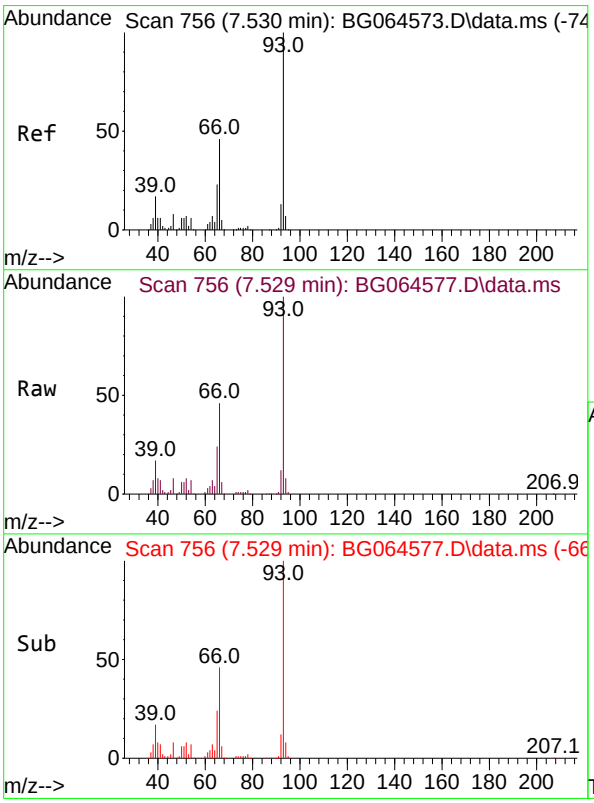
#5
2-Fluorophenol
Concen: 70.535 ng
RT: 5.743 min Scan# 4
Delta R.T. -0.007 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:112 Resp: 156266

Ion	Ratio	Lower	Upper
112	100		
64	78.8	60.7	91.1
63	39.5	33.4	50.0

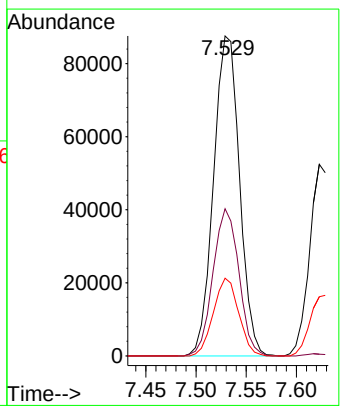




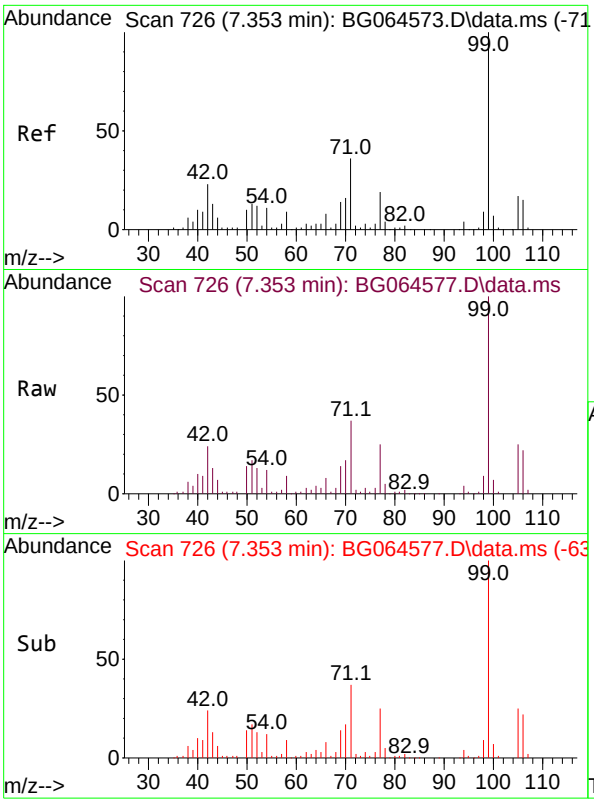
#6
Aniline
Concen: 38.118 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



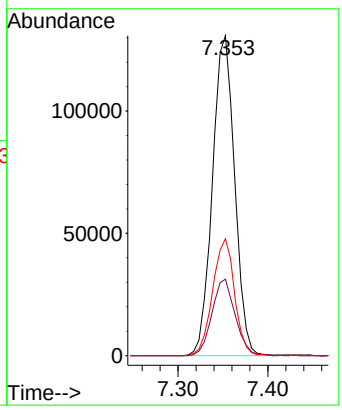
Instrument :
BNA_G
ClientSampleId :
ICVBG102425

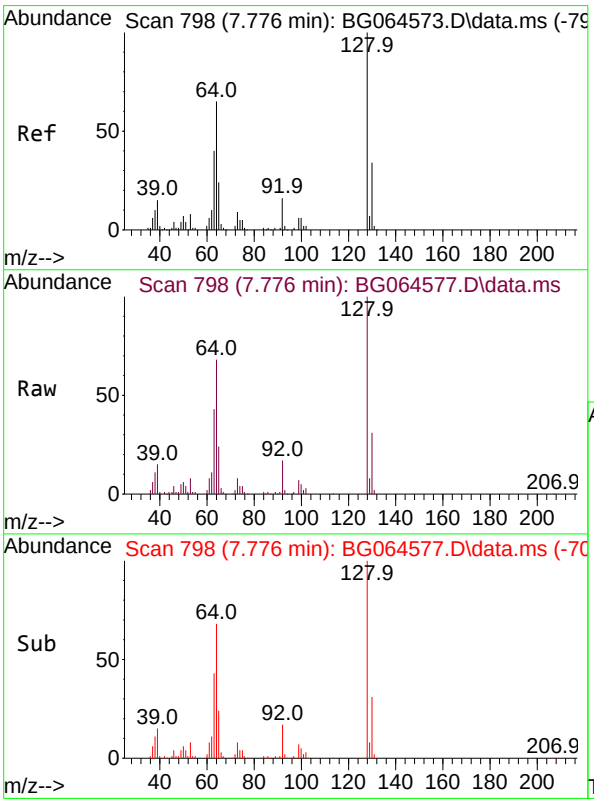


#7
Phenol-d6
Concen: 74.109 ng
RT: 7.353 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 99 Resp: 225294

Ion	Ratio	Lower	Upper
99	100		
42	23.9	18.3	27.5
71	36.5	28.6	43.0

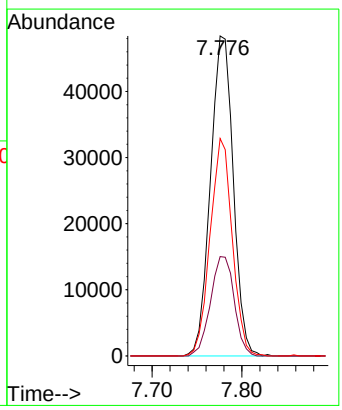


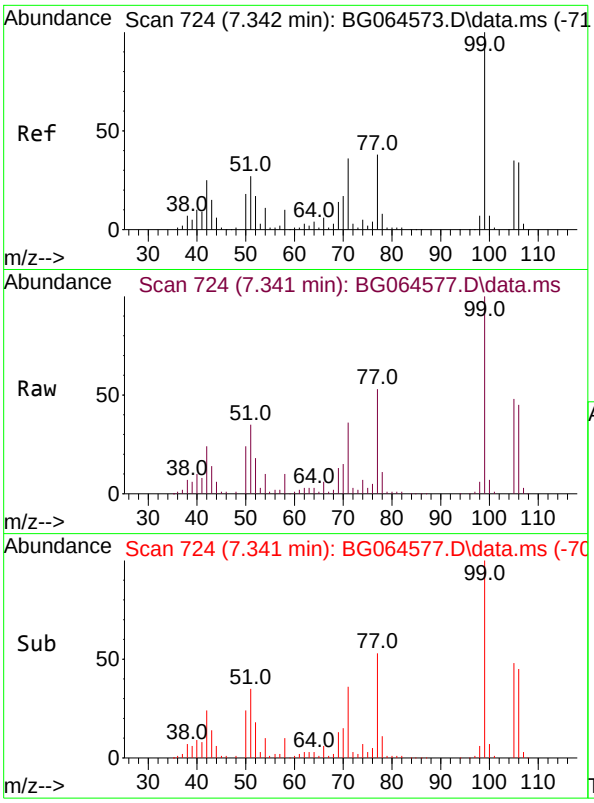


#8
2-Chlorophenol
Concen: 36.981 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



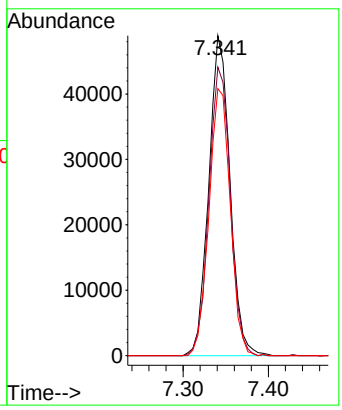


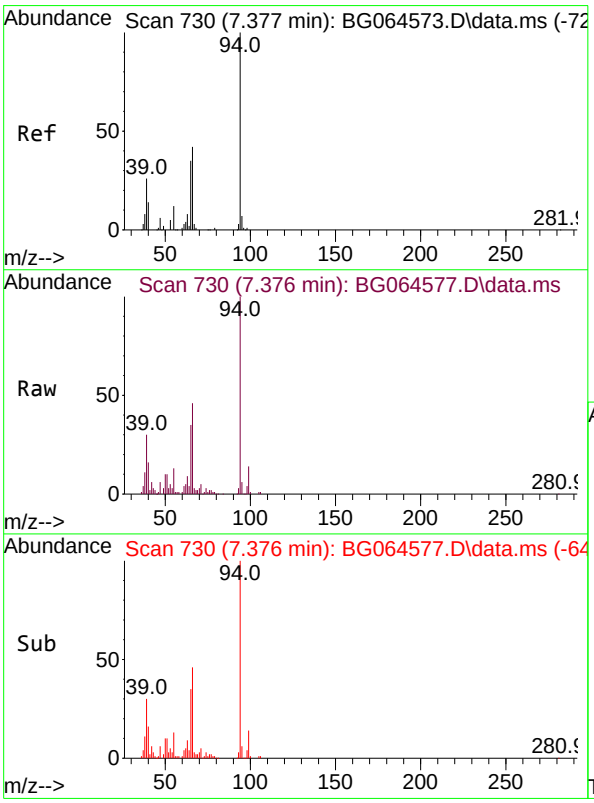
#9
Benzaldehyde
Concen: 50.923 ng
RT: 7.341 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 77 Resp: 84516

Ion	Ratio	Lower	Upper
77	100		
105	90.1	72.9	112.9
106	83.4	70.8	110.8

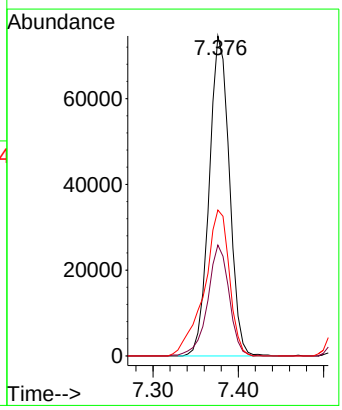


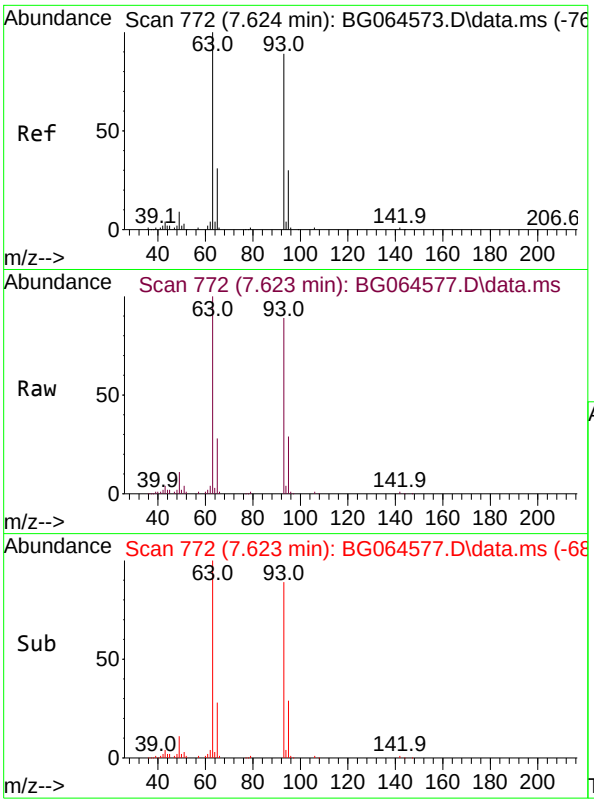


#10
Phenol
Concen: 36.410 ng
RT: 7.376 min Scan# 730
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



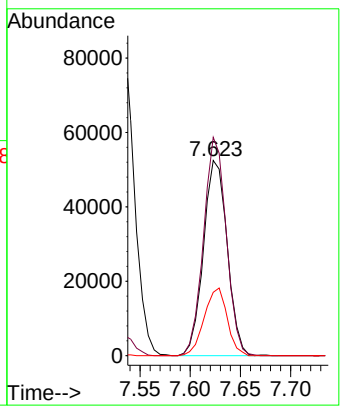


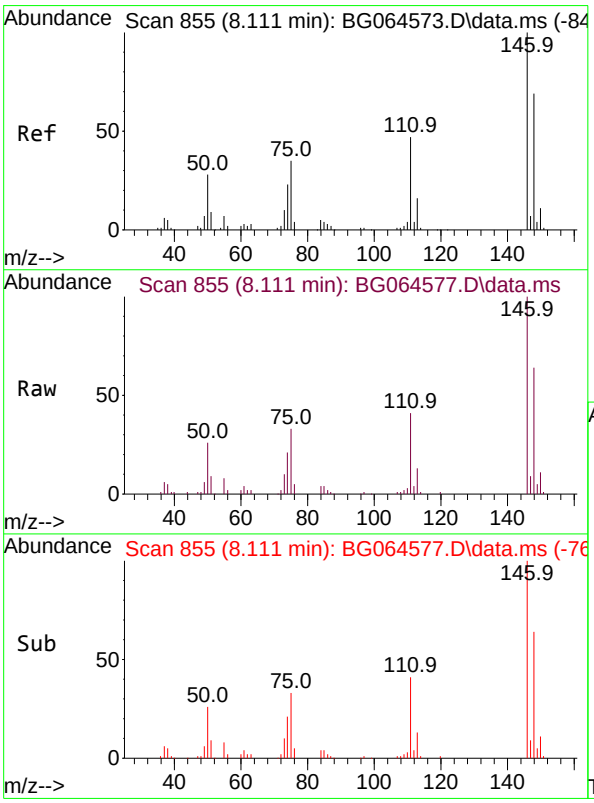
#11
bis(2-Chloroethyl)ether
Concen: 34.973 ng
RT: 7.623 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 93 Resp: 86447

Ion	Ratio	Lower	Upper
93	100		
63	111.9	91.3	131.3
95	32.5	13.3	53.3

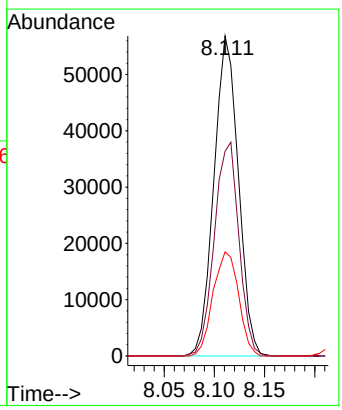


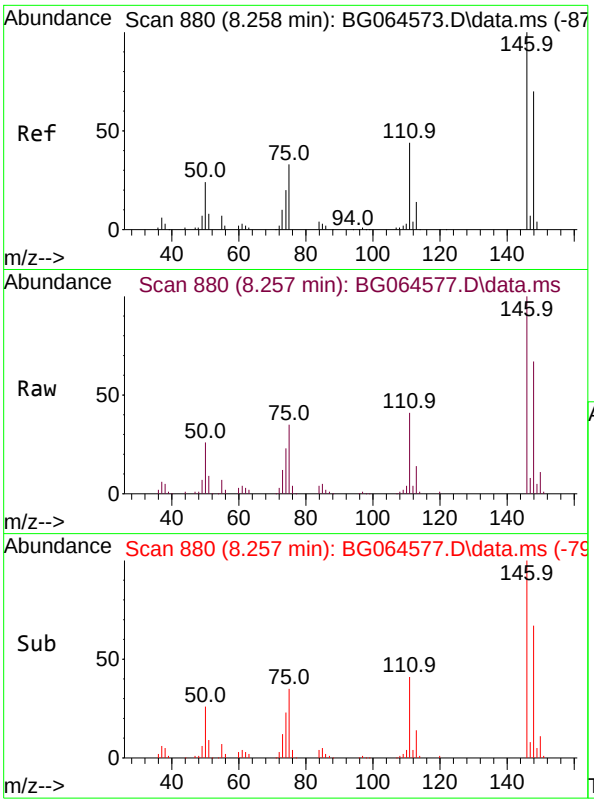


#12
1,3-Dichlorobenzene
Concen: 36.085 ng
RT: 8.111 min Scan# 855
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



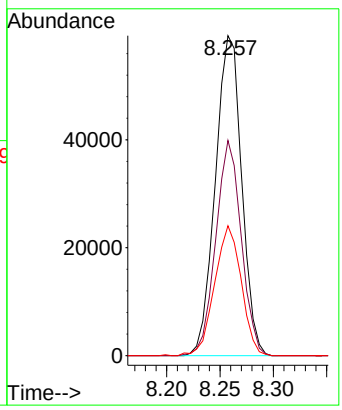


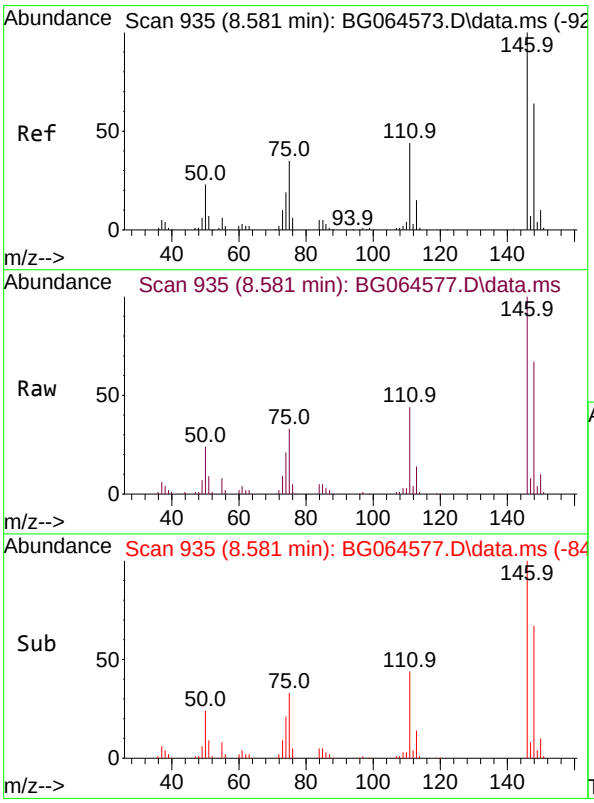
#13
1,4-Dichlorobenzene
Concen: 37.634 ng
RT: 8.257 min Scan# 88
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:146 Resp: 102132

Ion	Ratio	Lower	Upper
146	100		
148	67.2	56.2	84.4
111	40.6	35.4	53.0

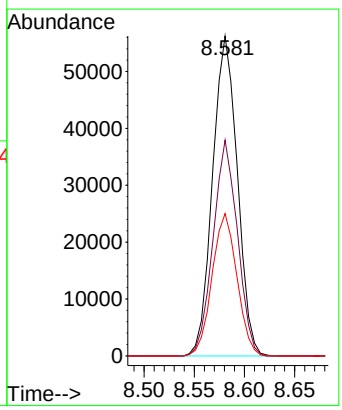


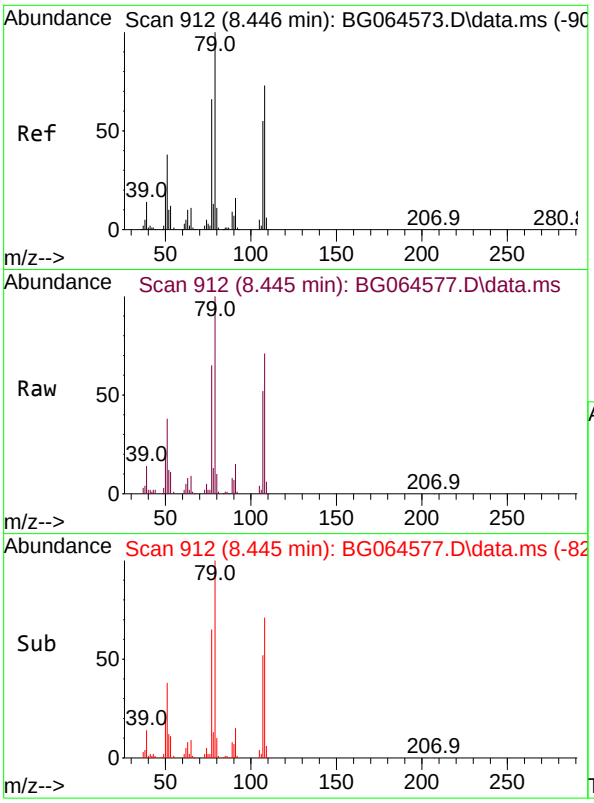


#14
1,2-Dichlorobenzene
Concen: 36.924 ng
RT: 8.581 min Scan# 935
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



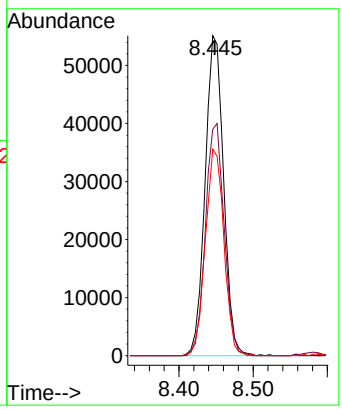


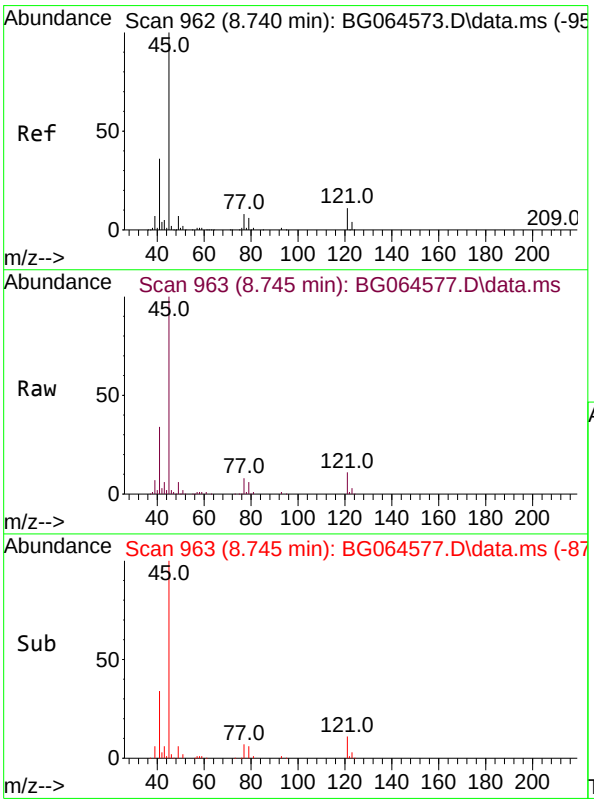
#15
Benzyl Alcohol
Concen: 37.995 ng
RT: 8.445 min Scan# 91
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 79 Resp: 95250

Ion	Ratio	Lower	Upper
79	100		
108	70.7	58.1	87.1
77	64.5	52.8	79.2

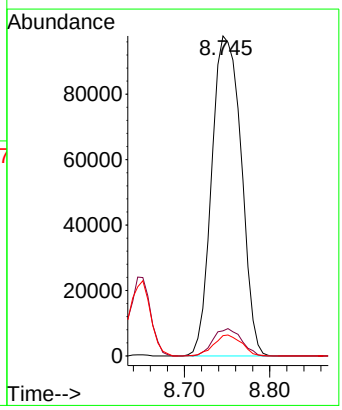


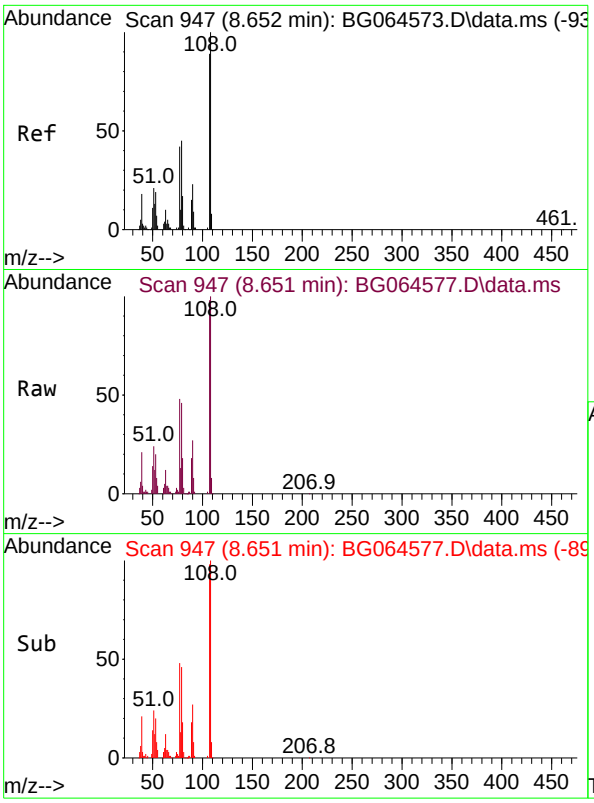


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.163 ng
RT: 8.745 min Scan# 963
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



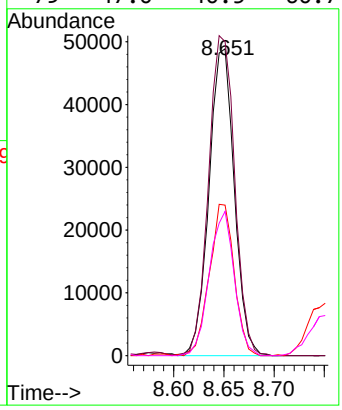


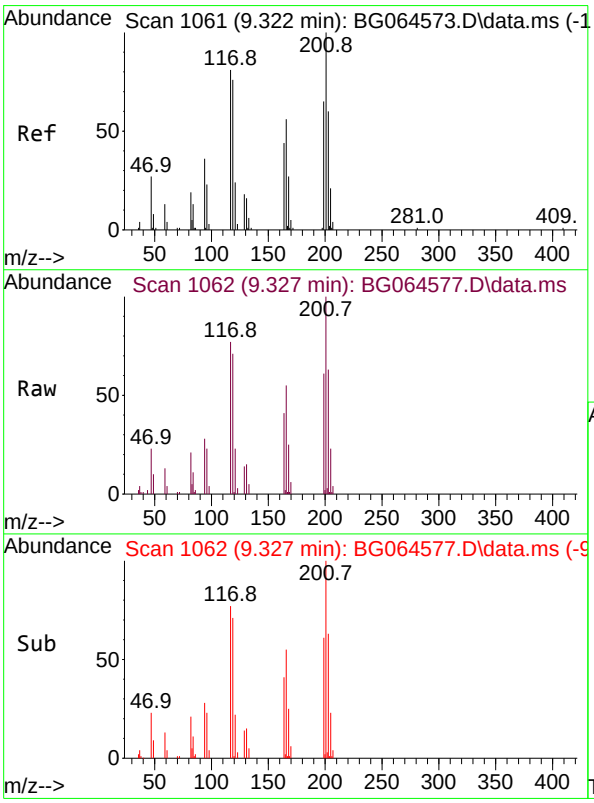
#17
2-Methylphenol
Concen: 38.466 ng
RT: 8.651 min Scan# 94
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:107 Resp: 85863

Ion	Ratio	Lower	Upper
107	100		
108	102.3	90.0	135.0
77	49.0	37.8	56.8
79	47.0	40.5	60.7

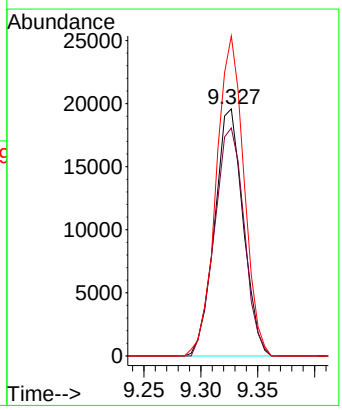


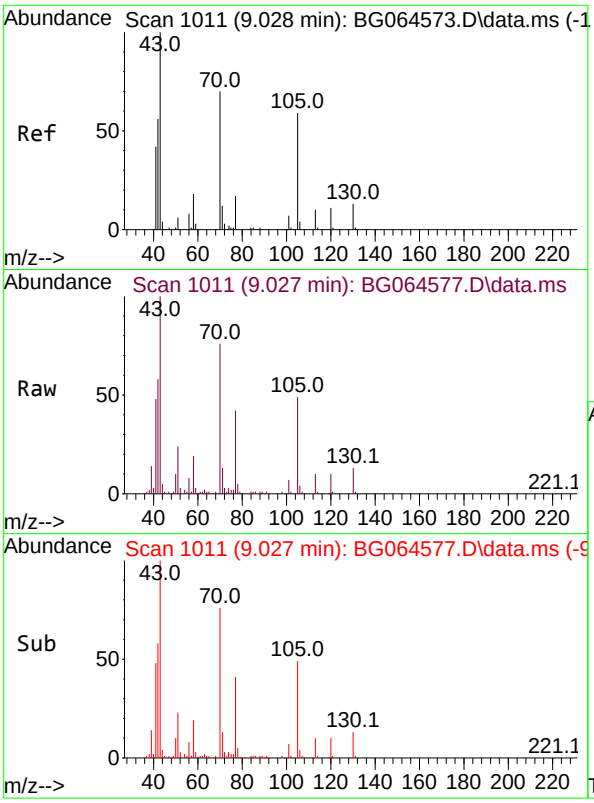


#18
Hexachloroethane
Concen: 35.743 ng
RT: 9.327 min Scan# 1062
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



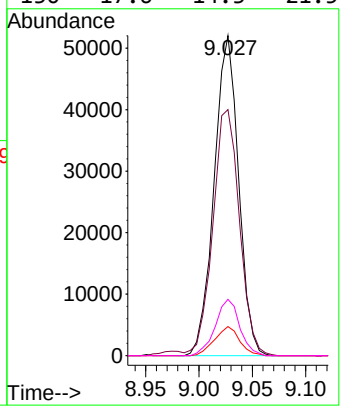


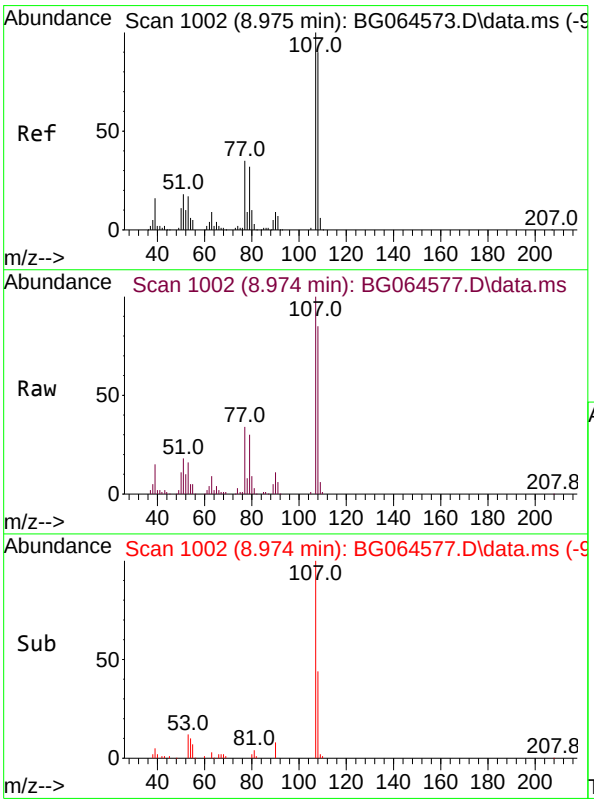
#19
n-Nitroso-di-n-propylamine
Concen: 39.572 ng
RT: 9.027 min Scan# 10
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 70 Resp: 83140

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

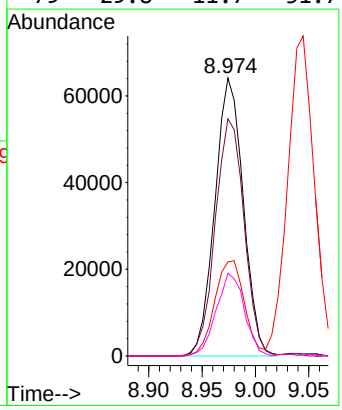


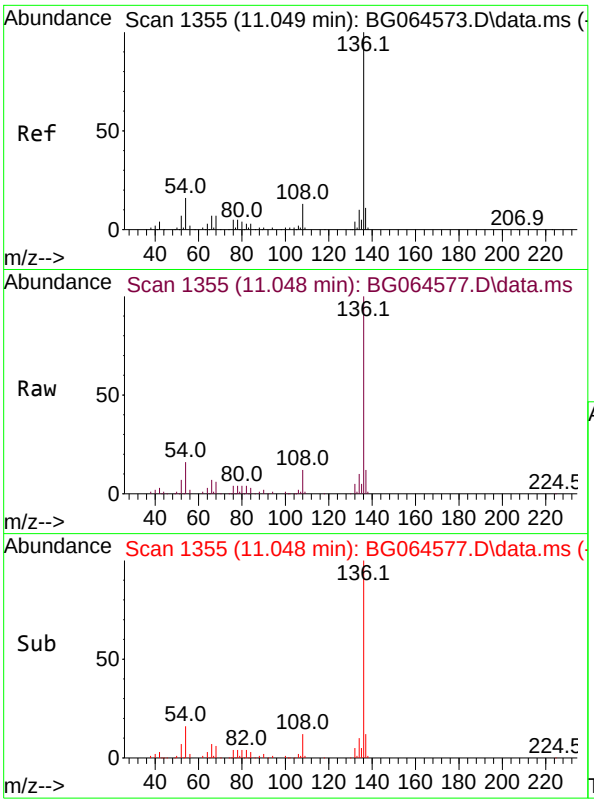


#20
3+4-Methylphenols
Concen: 37.882 ng
RT: 8.974 min Scan# 1002
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



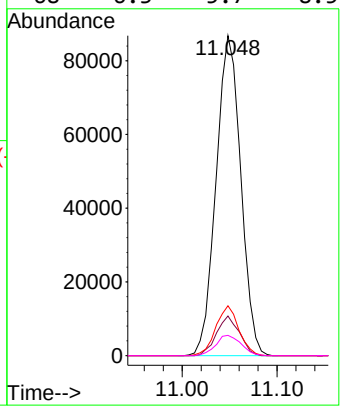


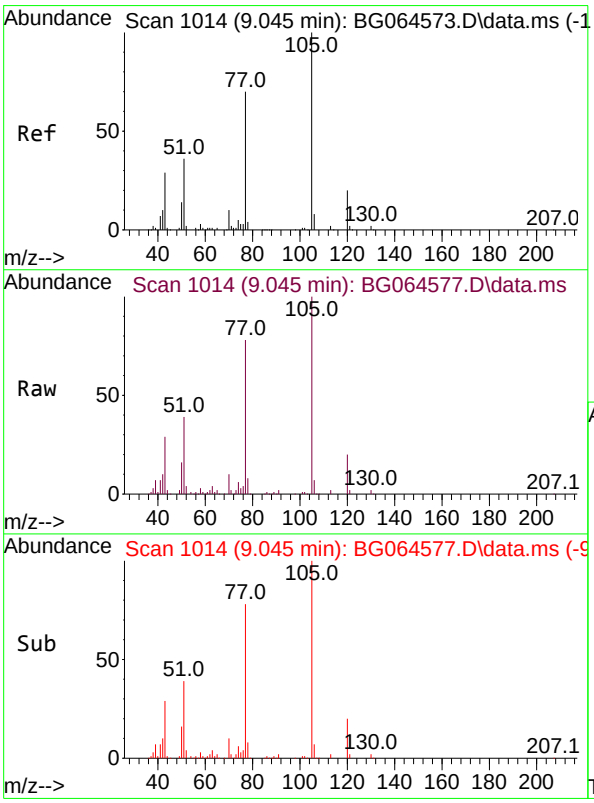
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.048 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:136 Resp: 157125

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

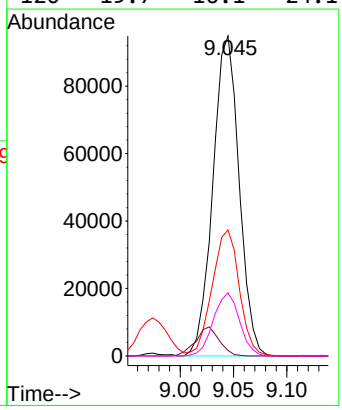


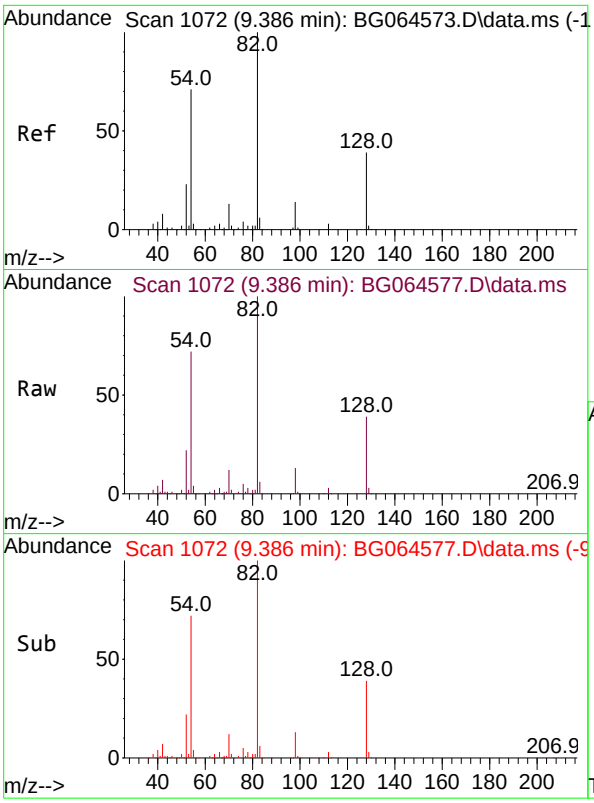


#22
Acetophenone
Concen: 37.806 ng
RT: 9.045 min Scan# 1014
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



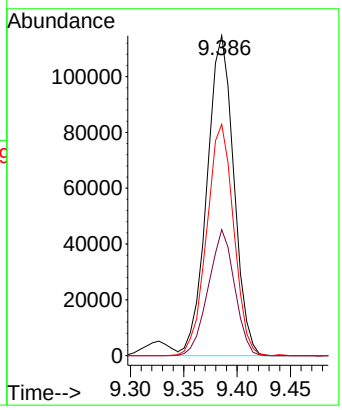


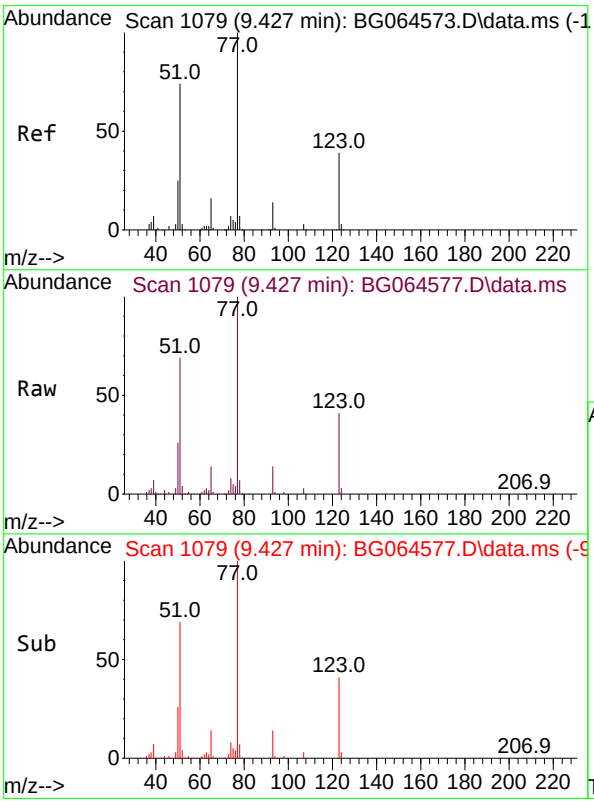
#23
Nitrobenzene-d5
Concen: 76.738 ng
RT: 9.386 min Scan# 10
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 82 Resp: 200749

Ion	Ratio	Lower	Upper
82	100		
128	39.4	31.3	46.9
54	72.3	56.6	84.8

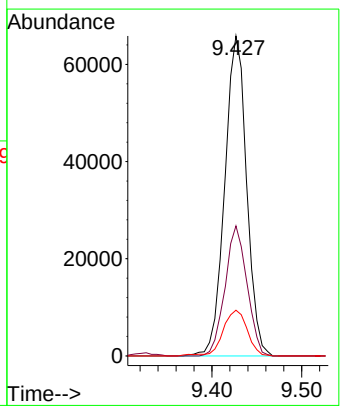


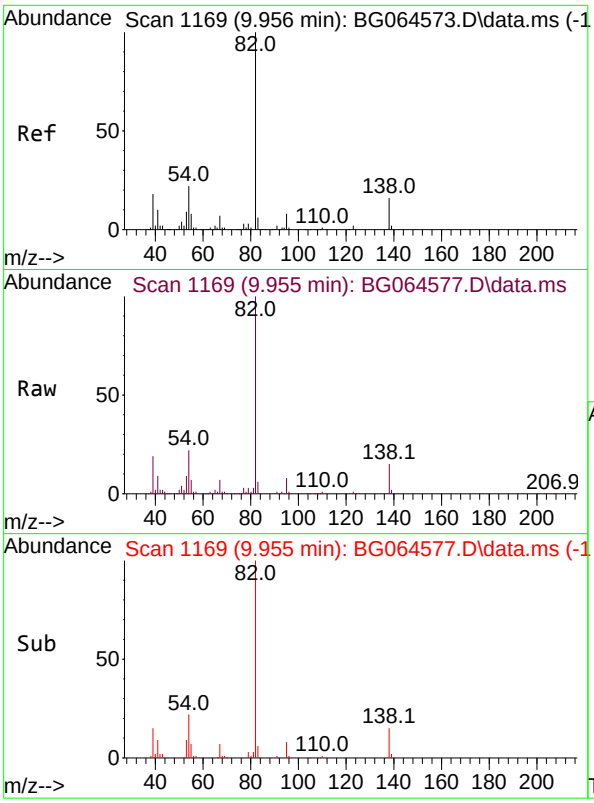


#24
Nitrobenzene
Concen: 39.305 ng
RT: 9.427 min Scan# 1079
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



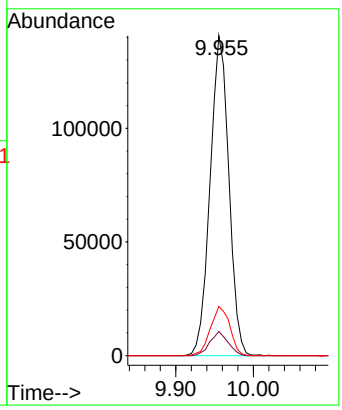


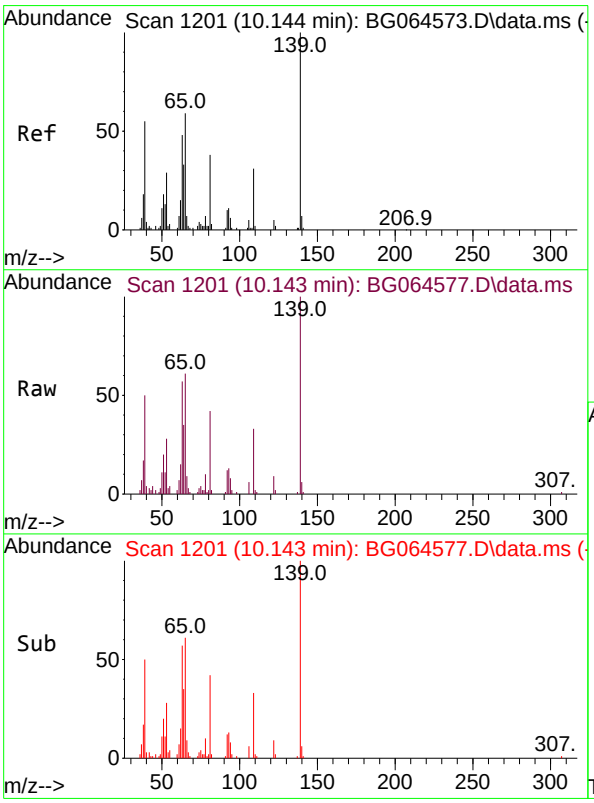
#25
Isophorone
Concen: 37.733 ng
RT: 9.955 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 82 Resp: 236860

Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.1	9.1
138	15.4	13.0	19.4

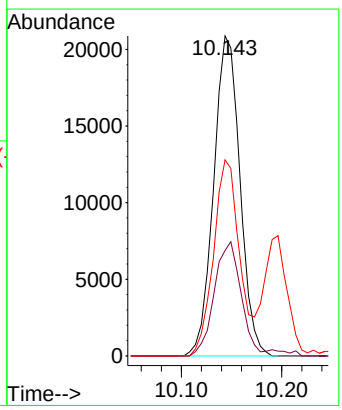


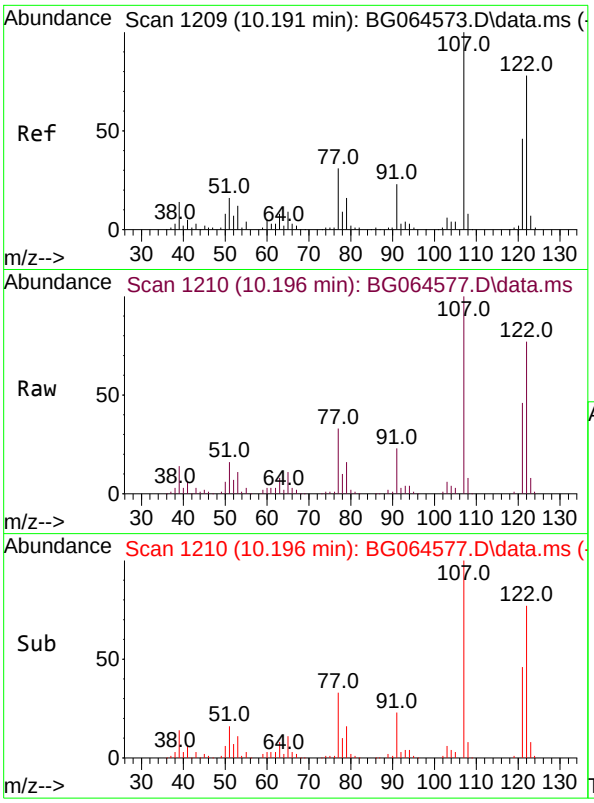


#26
2-Nitrophenol
Concen: 35.498 ng
RT: 10.143 min Scan# 1201
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



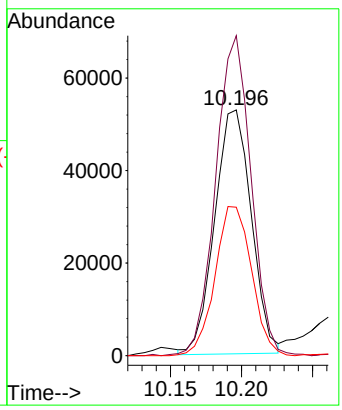


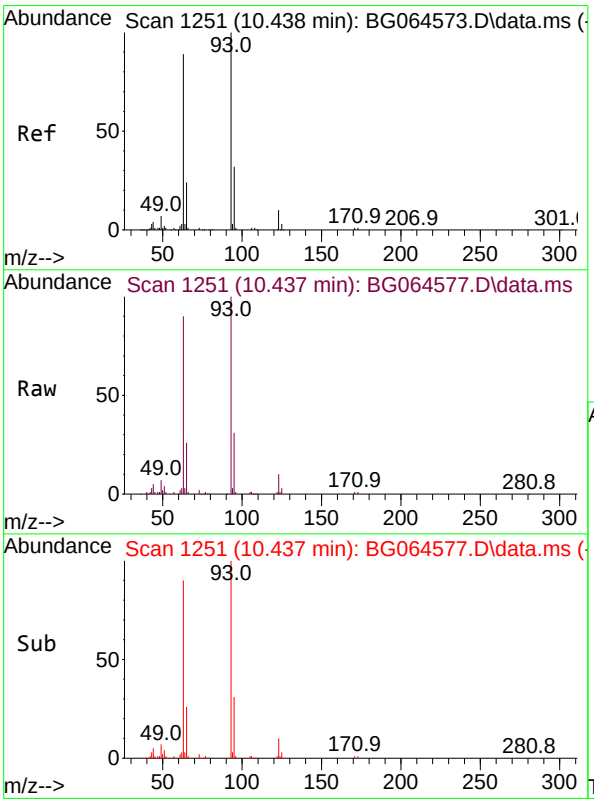
#27
2,4-Dimethylphenol
Concen: 40.491 ng
RT: 10.196 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:122 Resp: 94545

Ion	Ratio	Lower	Upper
122	100		
107	130.3	103.0	154.4
121	60.4	47.8	71.8

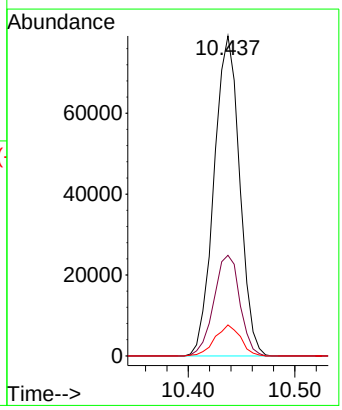


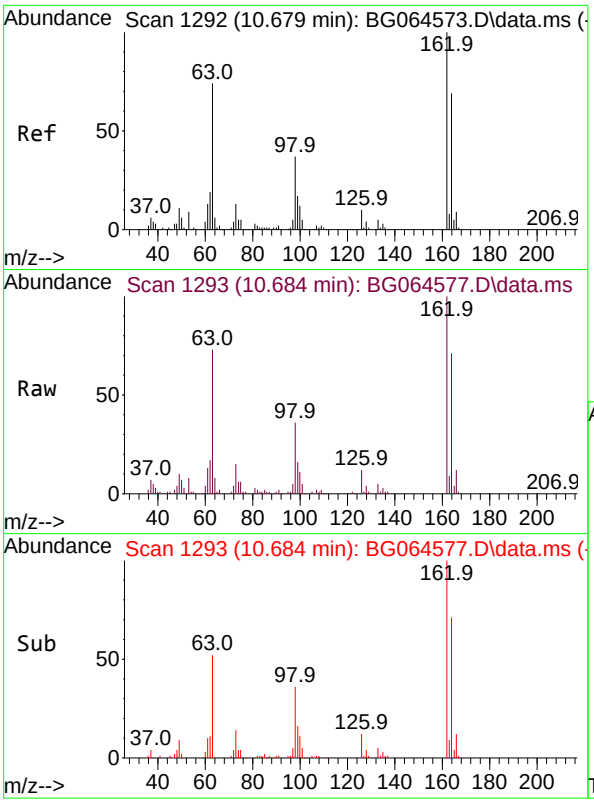


#28
bis(2-Chloroethoxy)methane
Concen: 36.953 ng
RT: 10.437 min Scan# 1251
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



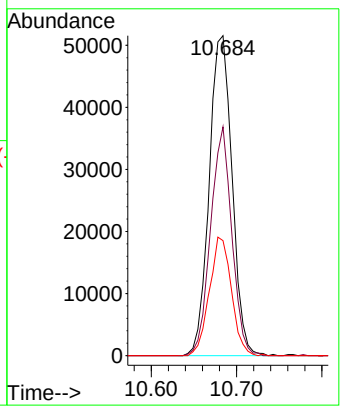


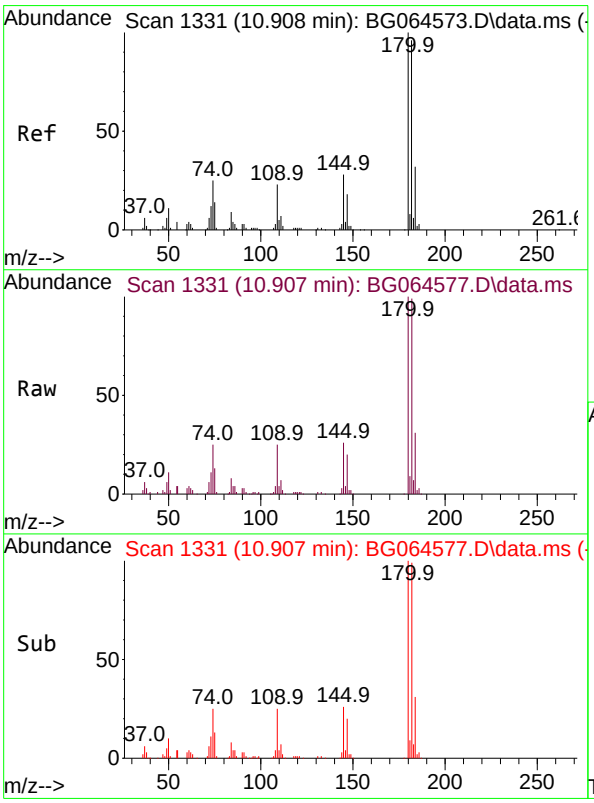
#29
2,4-Dichlorophenol
Concen: 38.190 ng
RT: 10.684 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:162 Resp: 95966

Ion	Ratio	Lower	Upper
162	100		
164	71.5	48.7	88.7
98	35.9	16.9	56.9

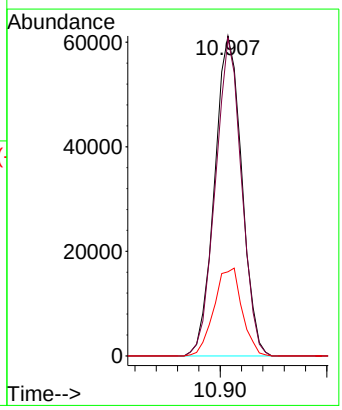


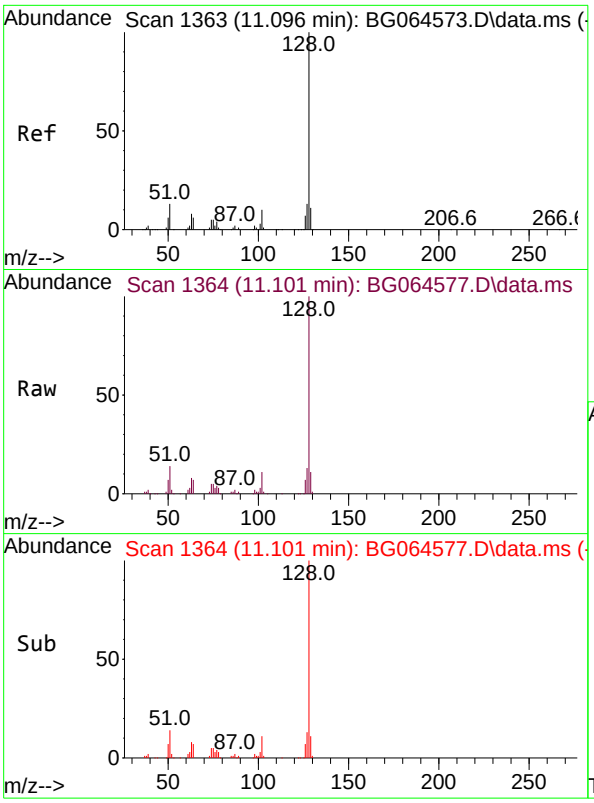


#30
1,2,4-Trichlorobenzene
Concen: 37.945 ng
RT: 10.907 min Scan# 1331
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



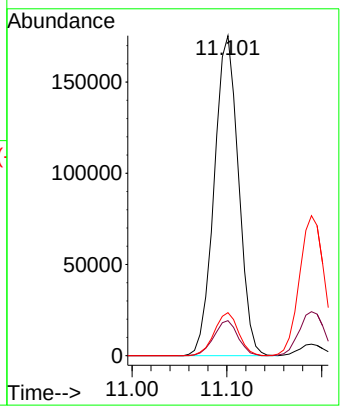


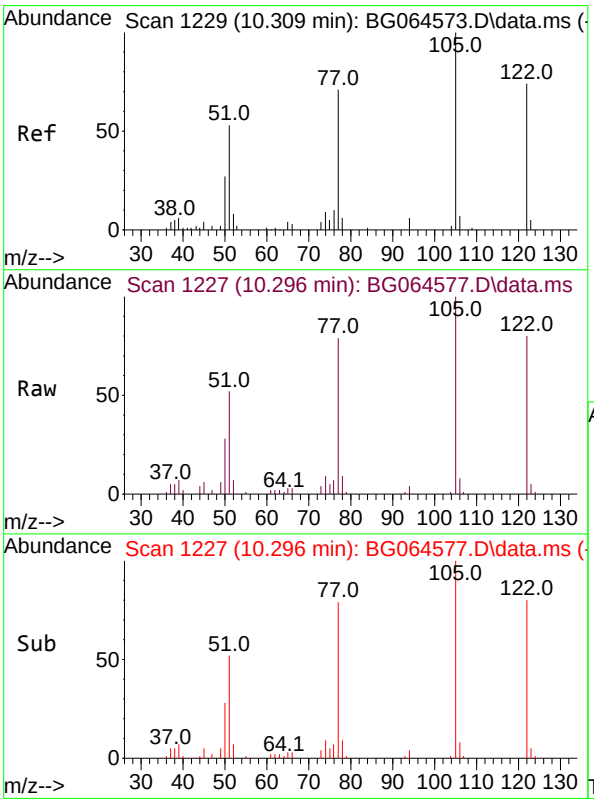
#31
Naphthalene
Concen: 35.709 ng
RT: 11.101 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:128 Resp: 311084

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.4	10.6	15.8

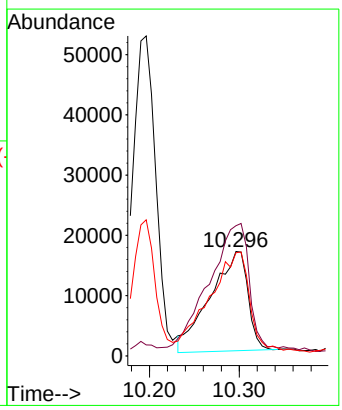


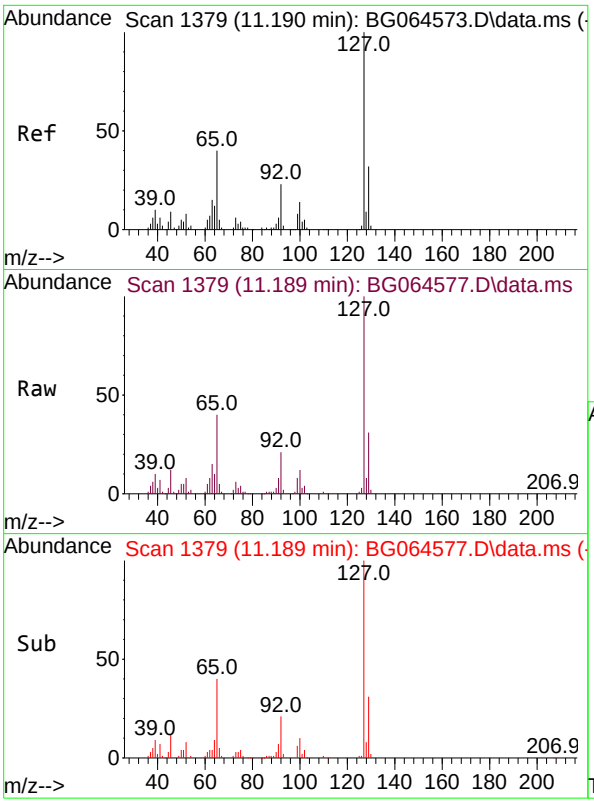


#32
Benzoic acid
Concen: 29.620 ng
RT: 10.296 min Scan# 1227
Delta R.T. -0.013 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:122 Resp: 48162

Ion	Ratio	Lower	Upper
122	100		
105	124.6	104.2	144.2
77	98.8	70.2	110.2



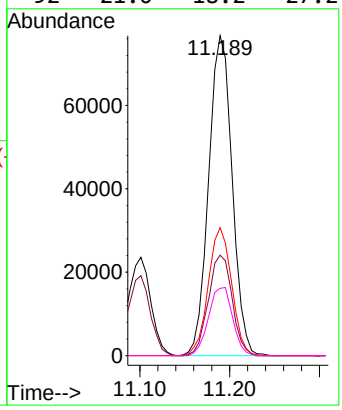


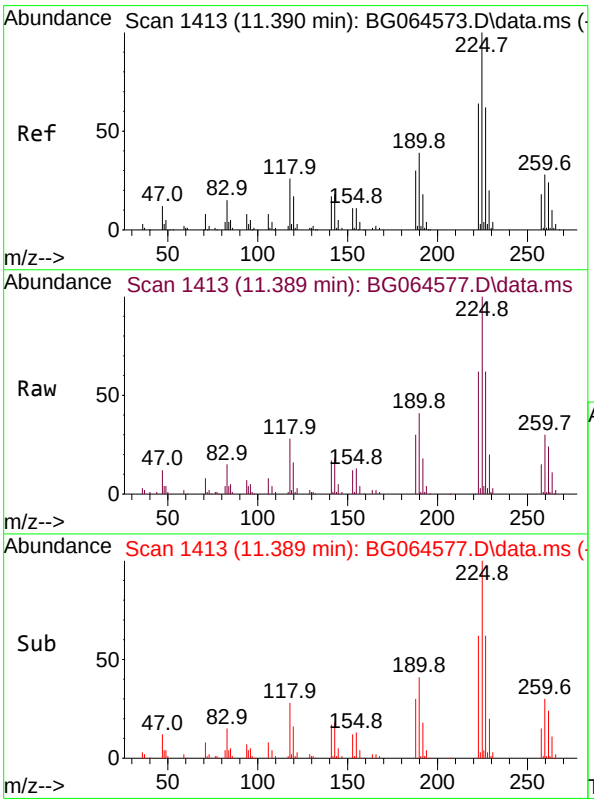
#33
4-Chloroaniline
Concen: 41.287 ng
RT: 11.189 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:127 Resp: 139799

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

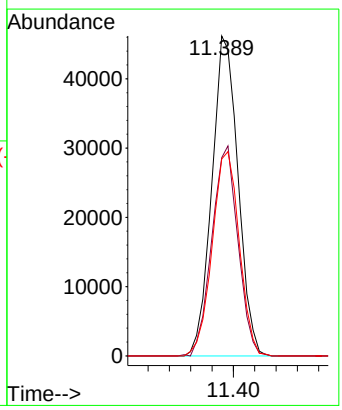


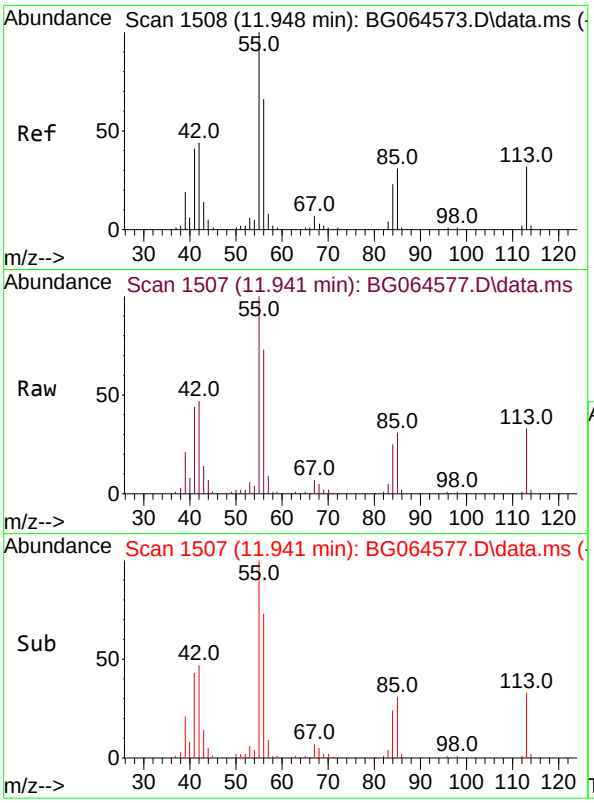


#34
Hexachlorobutadiene
Concen: 35.242 ng
RT: 11.389 min Scan# 1413
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



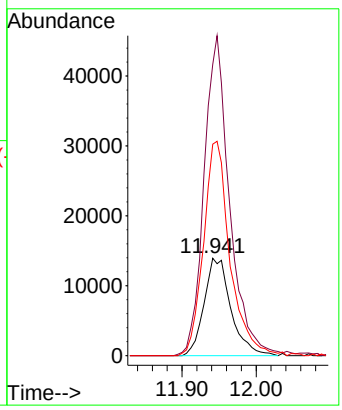


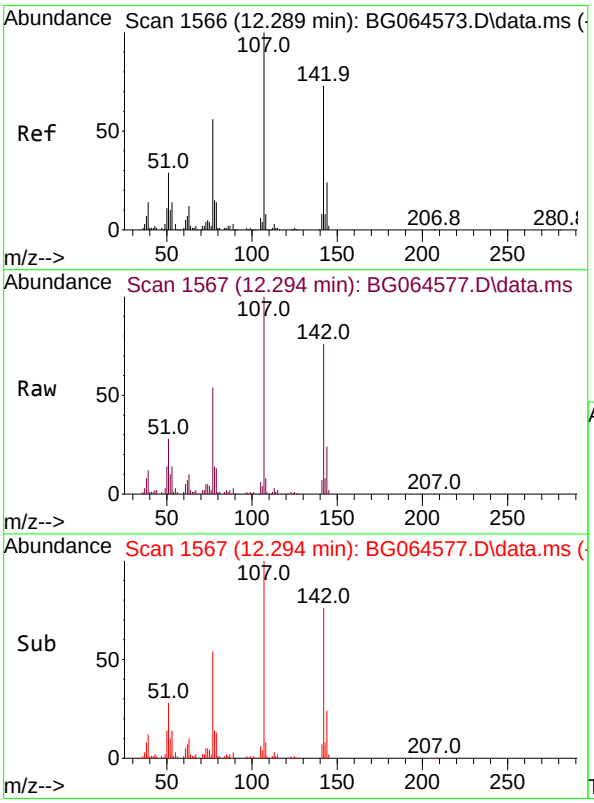
#35
Caprolactam
Concen: 36.326 ng
RT: 11.941 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:113 Resp: 35011

Ion	Ratio	Lower	Upper
113	100		
55	299.0	290.1	330.1
56	217.0	183.8	223.8

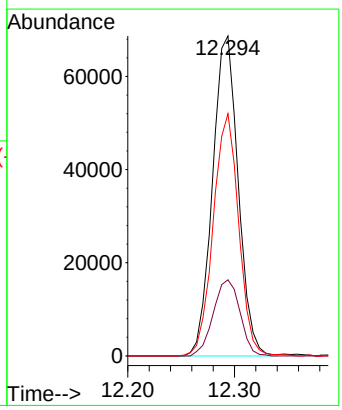


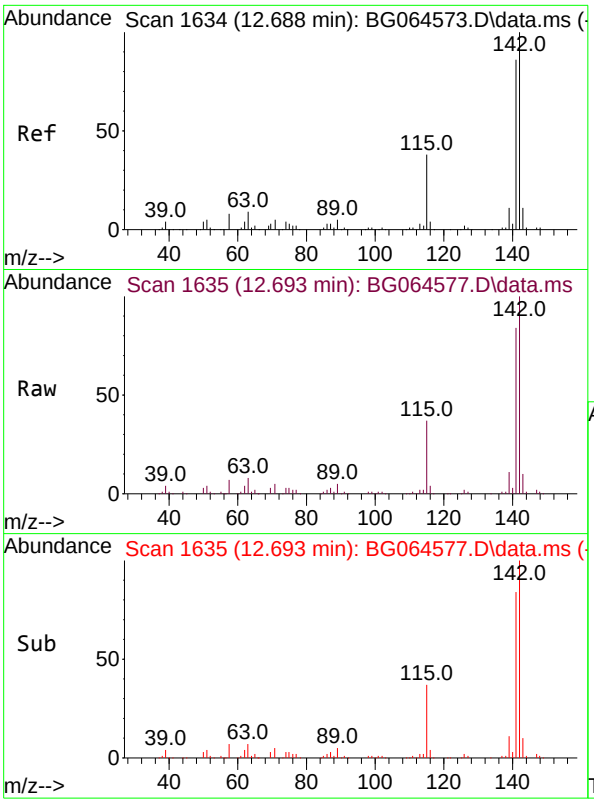


#36
4-Chloro-3-methylphenol
Concen: 38.049 ng
RT: 12.294 min Scan# 1567
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



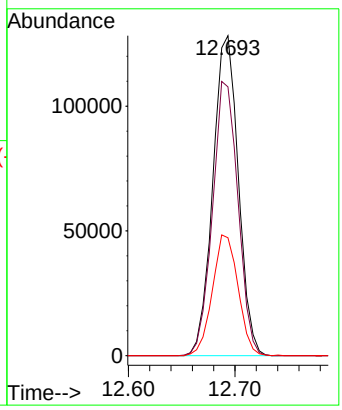


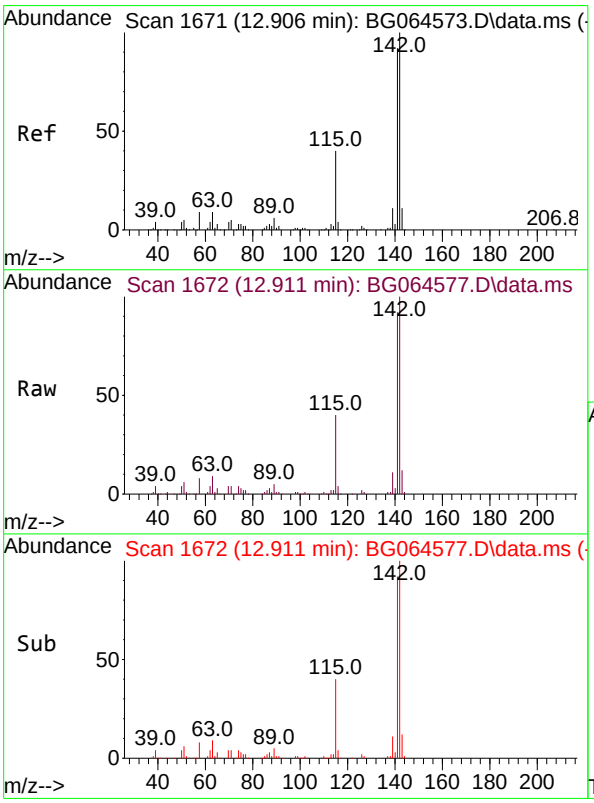
#37
2-Methylnaphthalene
Concen: 33.388 ng
RT: 12.693 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:142 Resp: 213545

Ion	Ratio	Lower	Upper
142	100		
141	84.0	68.9	103.3
115	36.8	30.6	46.0

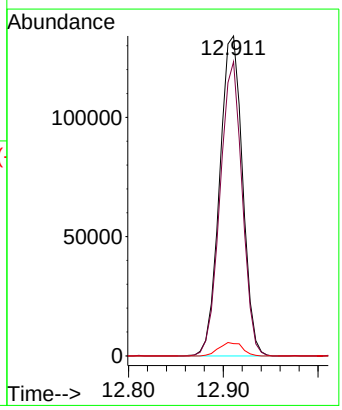


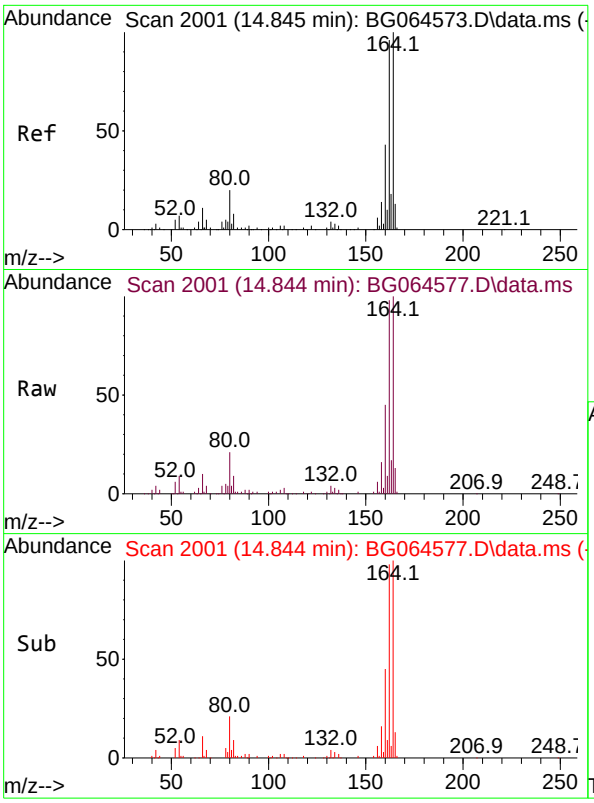


#38
1-Methylnaphthalene
Concen: 35.513 ng
RT: 12.911 min Scan# 1672
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



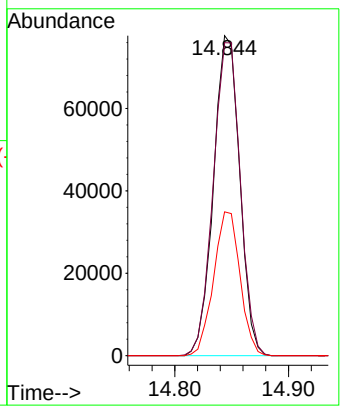


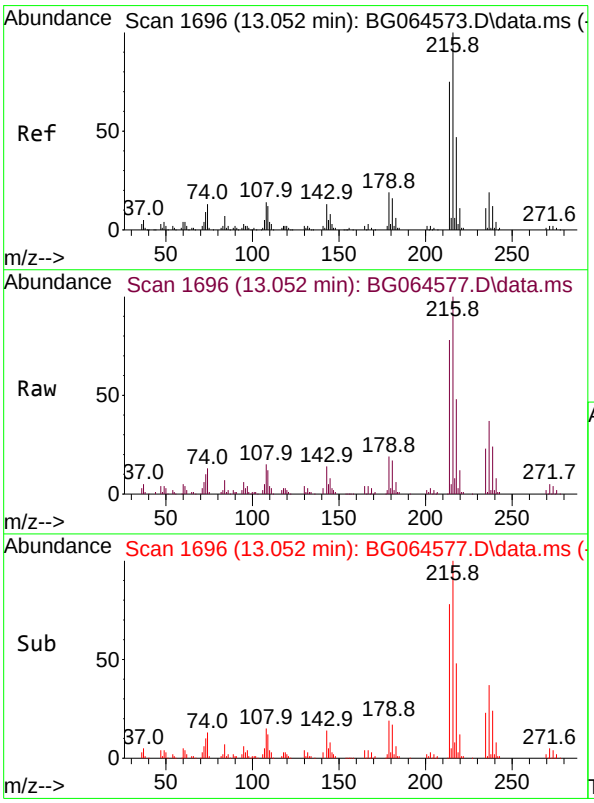
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.844 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:164 Resp: 124202

Ion	Ratio	Lower	Upper
164	100		
162	97.8	77.0	115.6
160	44.9	34.4	51.6

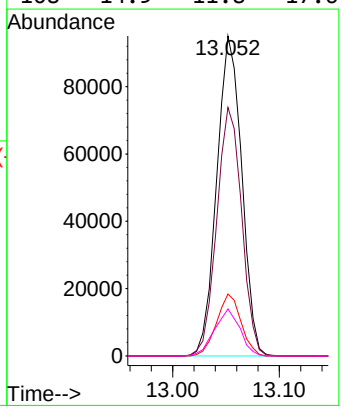


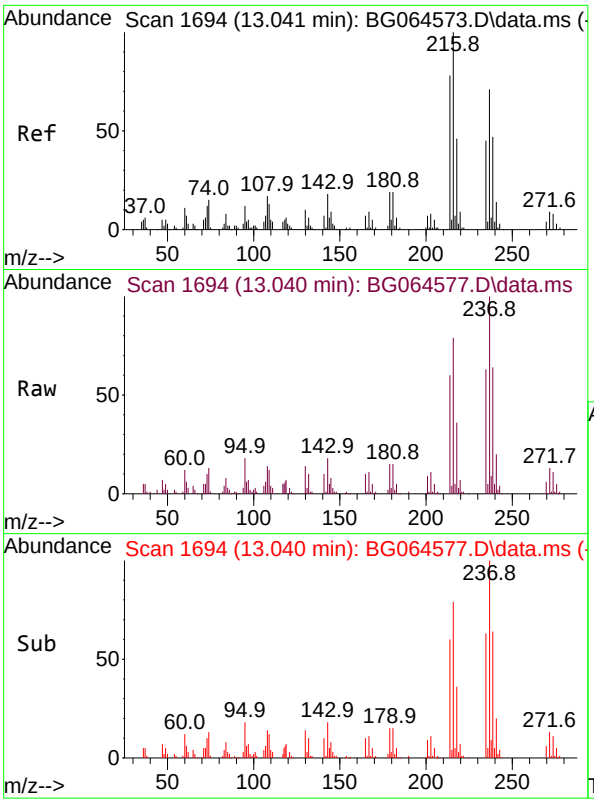


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.146 ng
RT: 13.052 min Scan# 1696
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



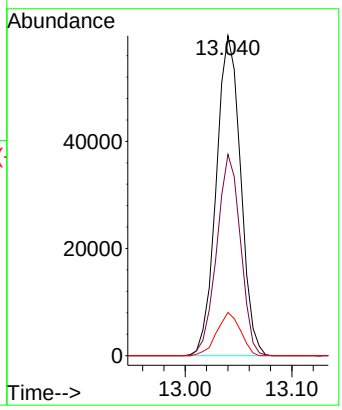


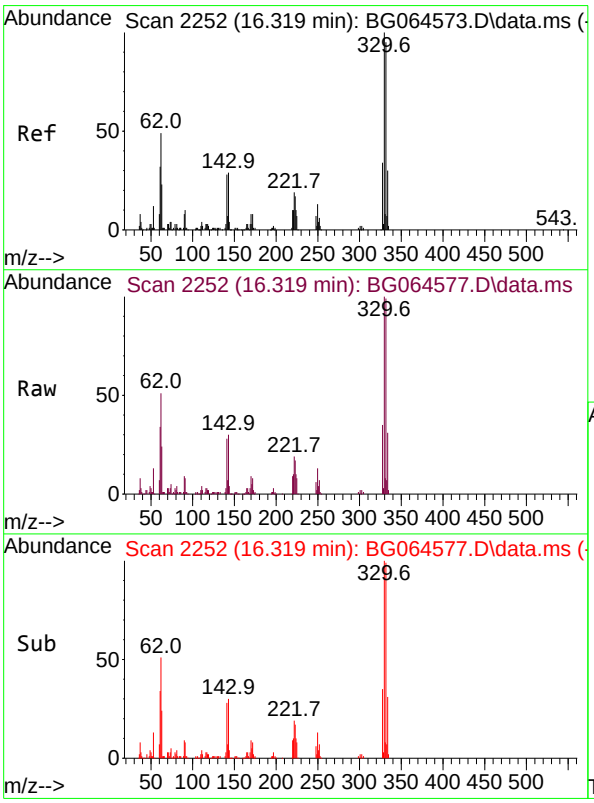
#41
Hexachlorocyclopentadiene
Concen: 50.669 ng
RT: 13.040 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:237 Resp: 95065

Ion	Ratio	Lower	Upper
237	100		
235	62.9	44.1	84.1
272	13.5	0.0	32.4

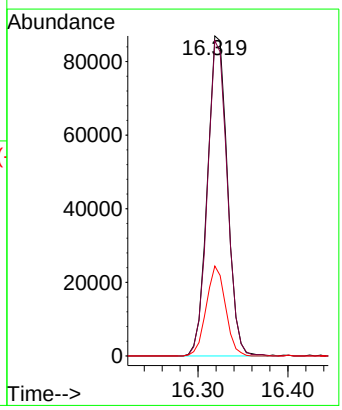


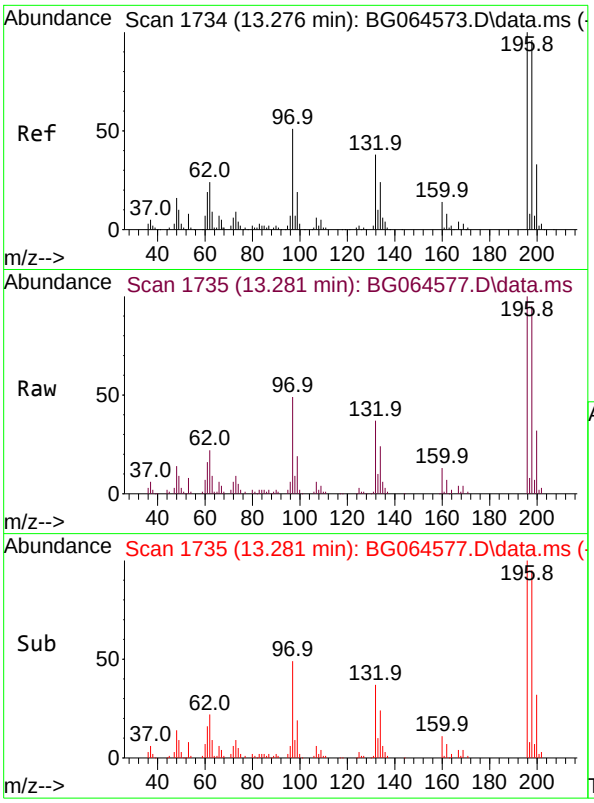


#42
2,4,6-Tribromophenol
Concen: 75.074 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



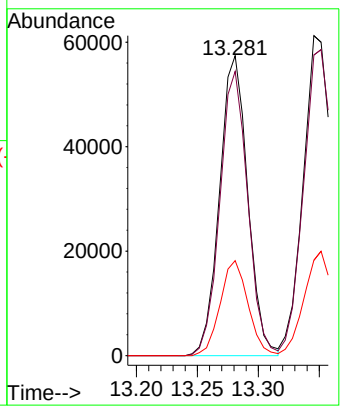


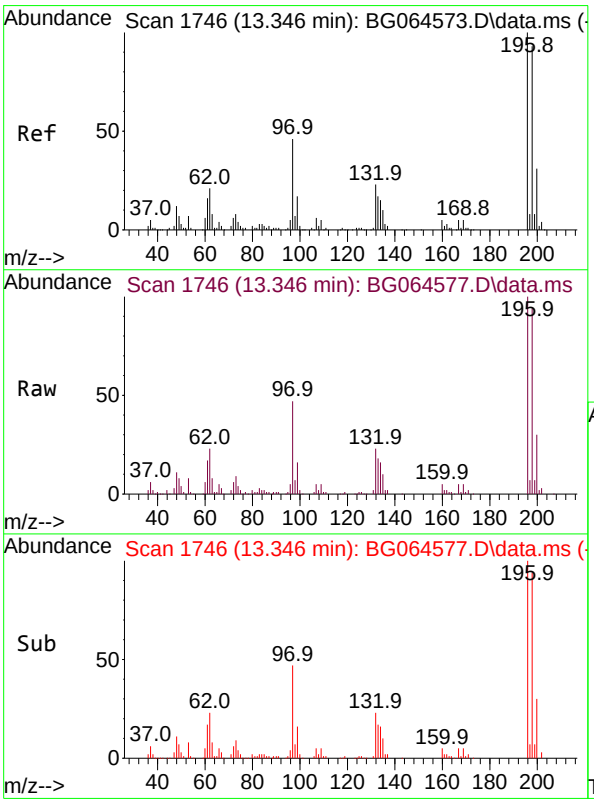
#43
2,4,6-Trichlorophenol
Concen: 38.726 ng
RT: 13.281 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:196 Resp: 92335

Ion	Ratio	Lower	Upper
196	100		
198	94.8	76.6	115.0
200	31.7	26.0	39.0

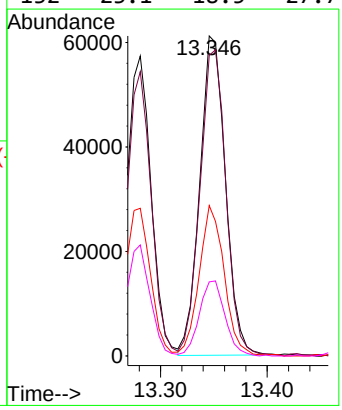


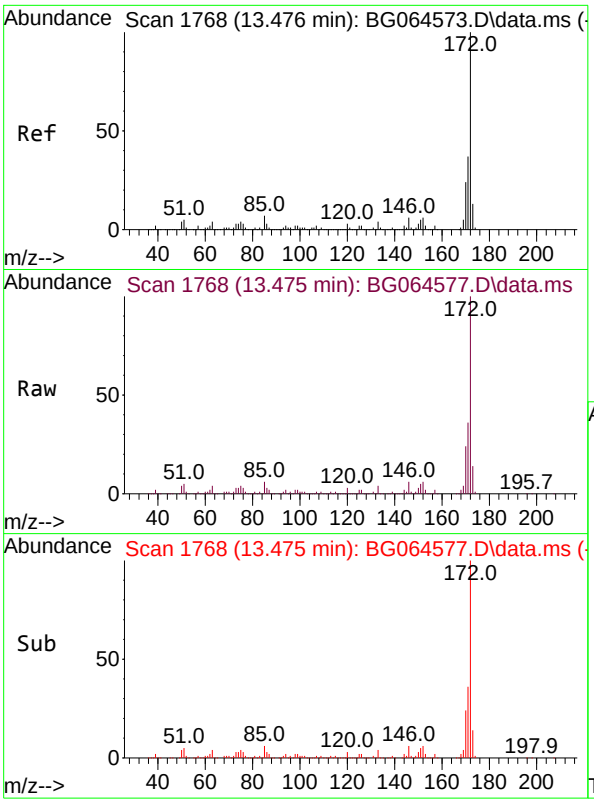


#44
2,4,5-Trichlorophenol
Concen: 37.228 ng
RT: 13.346 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



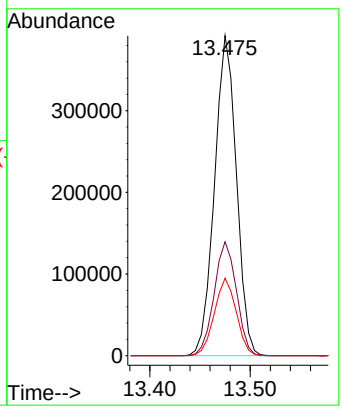


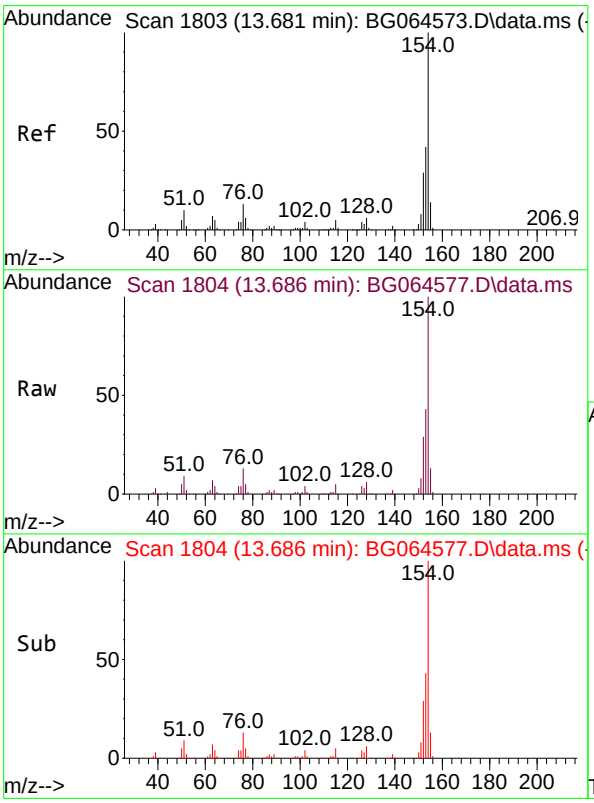
#45
2-Fluorobiphenyl
Concen: 72.599 ng
RT: 13.475 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:172 Resp: 594887

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	24.2	19.1	28.7

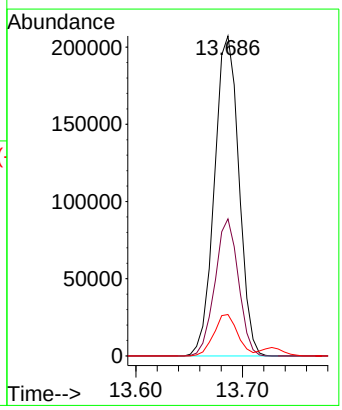


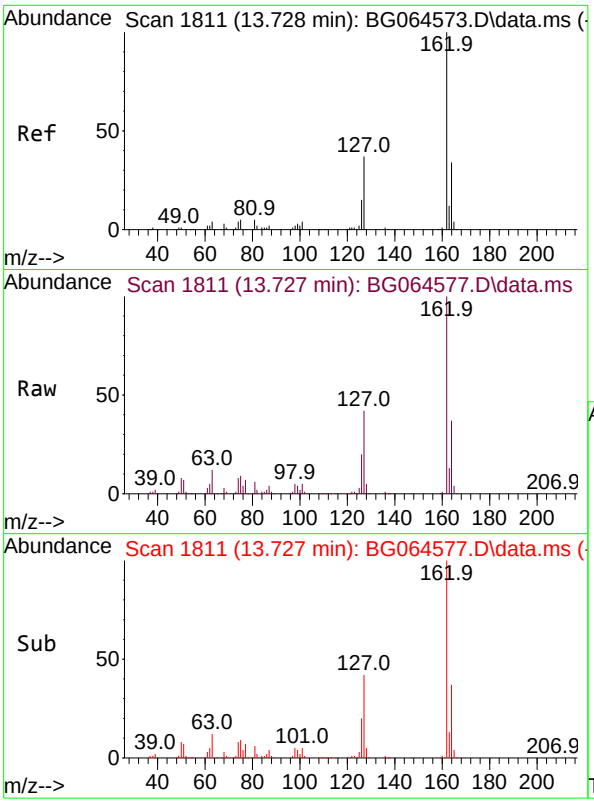


#46
1,1'-Biphenyl
Concen: 37.331 ng
RT: 13.686 min Scan# 1804
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



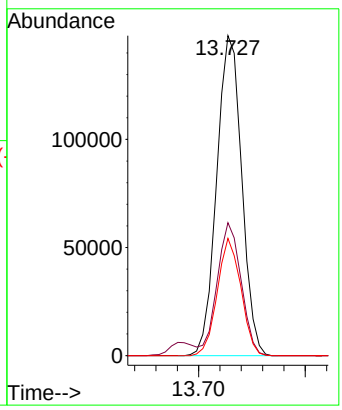


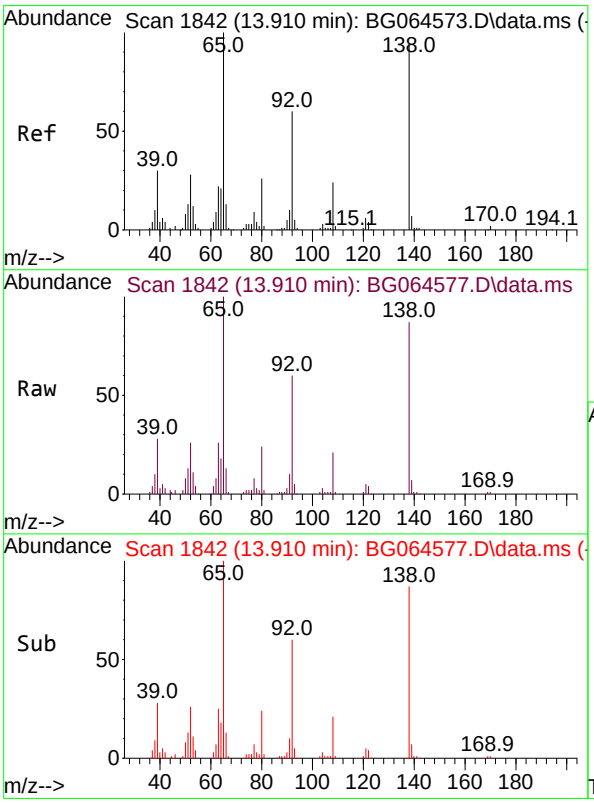
#47
2-Chloronaphthalene
Concen: 36.205 ng
RT: 13.727 min Scan# 18
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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

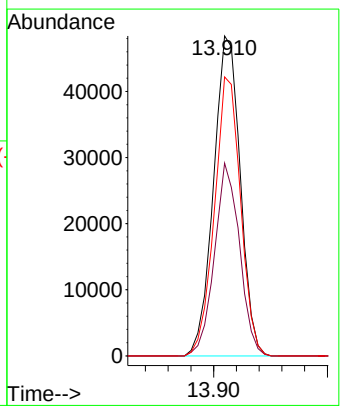


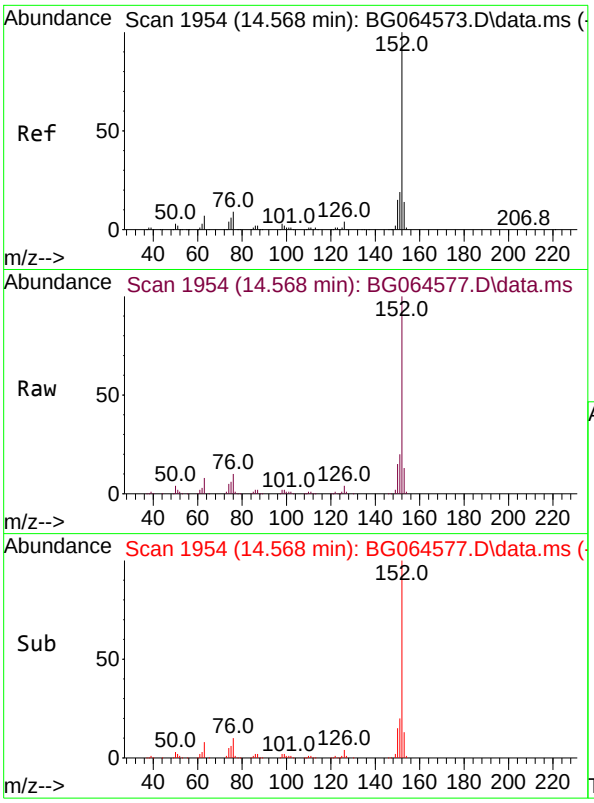


#48
2-Nitroaniline
Concen: 36.129 ng
RT: 13.910 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



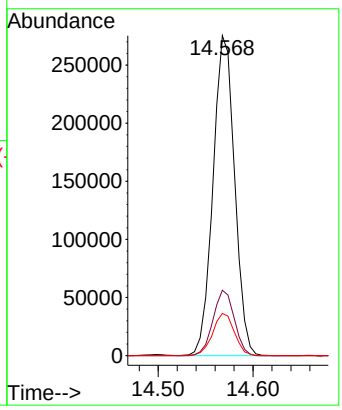


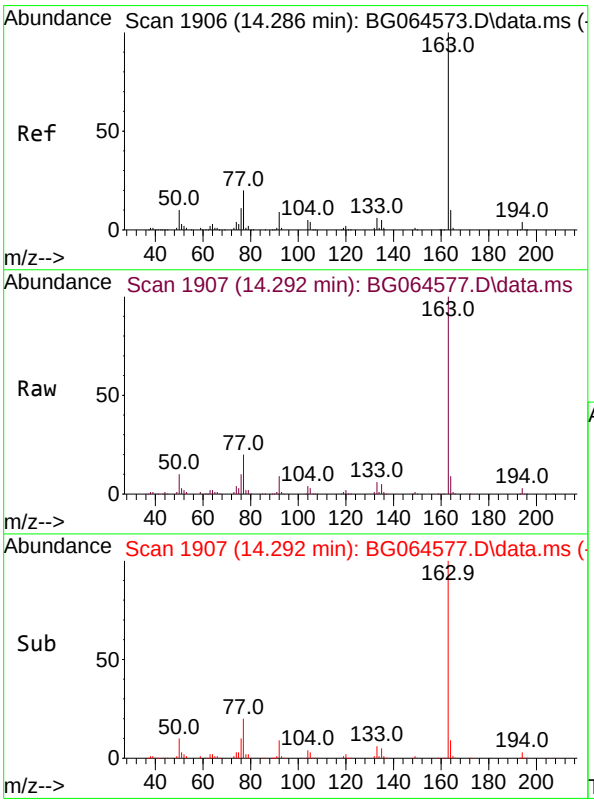
#49
Acenaphthylene
Concen: 41.457 ng
RT: 14.568 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:152 Resp: 435836

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.4	23.2
153	13.2	11.0	16.4

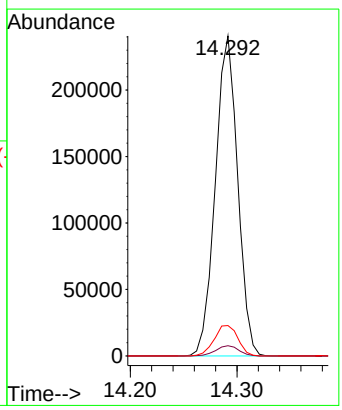


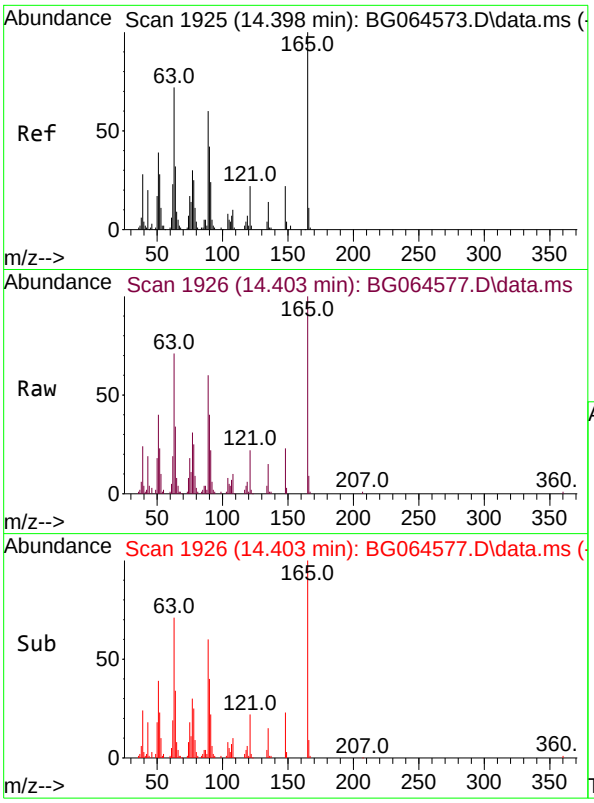


#50
Dimethylphthalate
Concen: 36.890 ng
RT: 14.292 min Scan# 1907
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



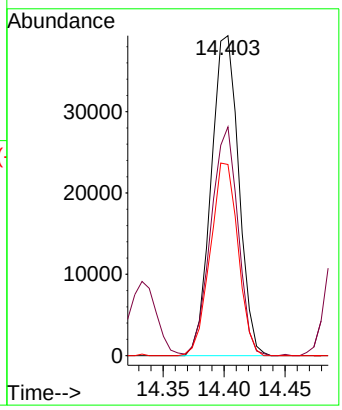


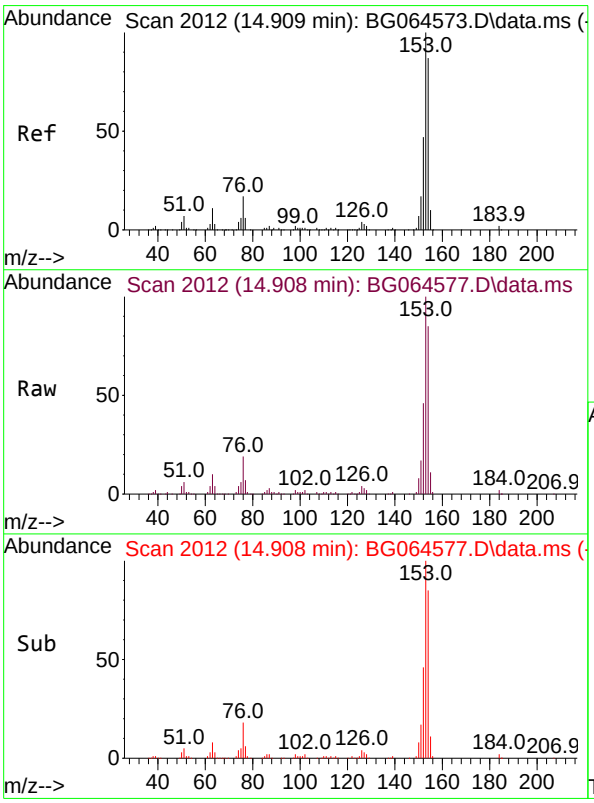
#51
2,6-Dinitrotoluene
Concen: 39.971 ng
RT: 14.403 min Scan# 19
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:165 Resp: 61784

Ion	Ratio	Lower	Upper
165	100		
63	71.5	57.4	86.0
89	59.7	47.8	71.8

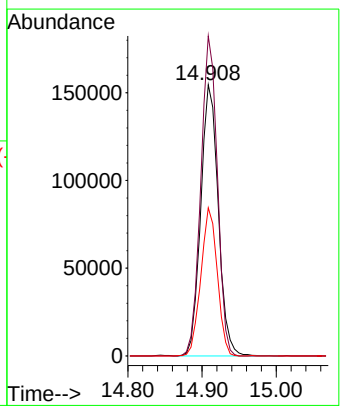


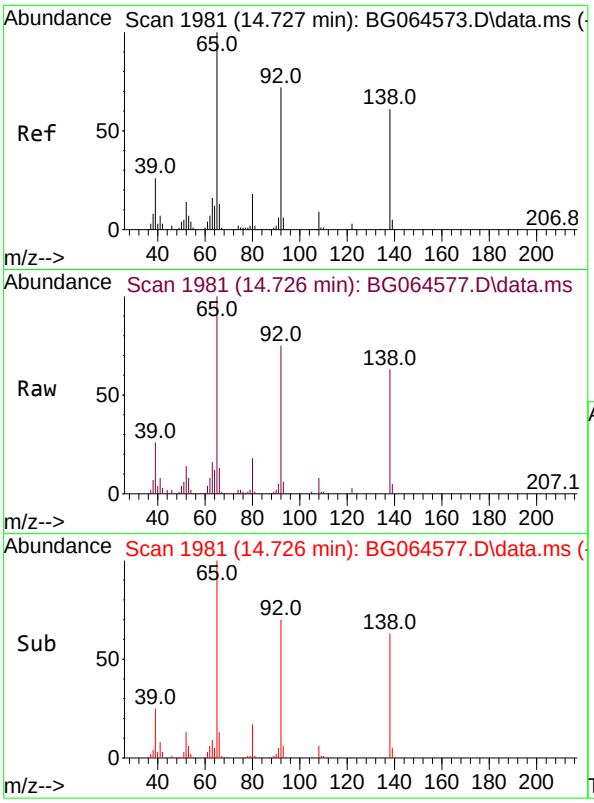


#52
Acenaphthene
Concen: 35.340 ng
RT: 14.908 min Scan# 2012
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



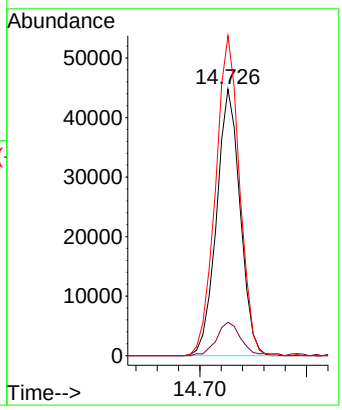


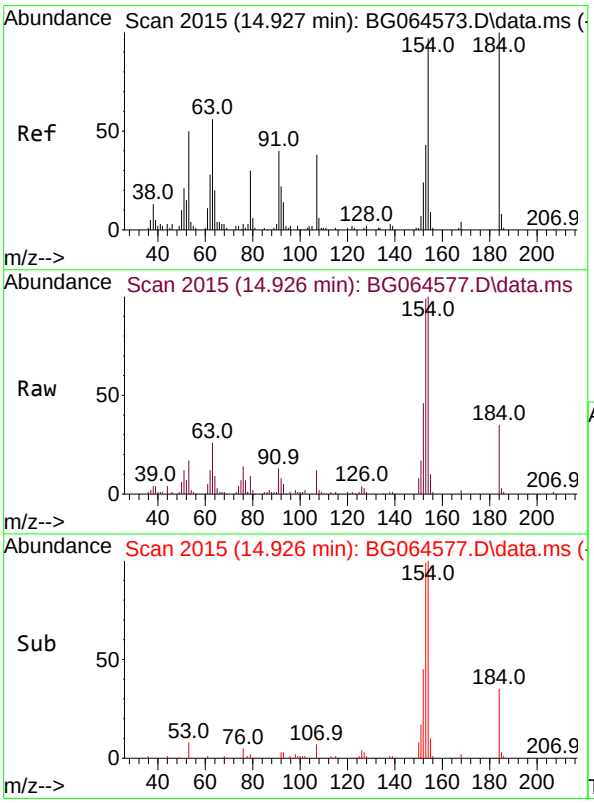
#53
3-Nitroaniline
Concen: 42.080 ng
RT: 14.726 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:138 Resp: 68729

Ion	Ratio	Lower	Upper
138	100		
108	12.5	11.4	17.0
92	120.1	95.3	142.9

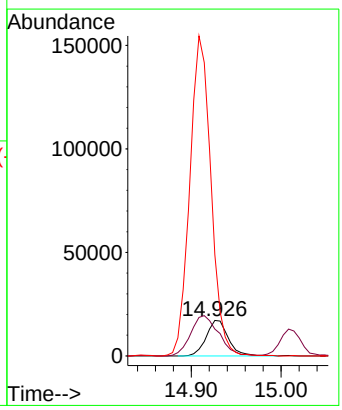


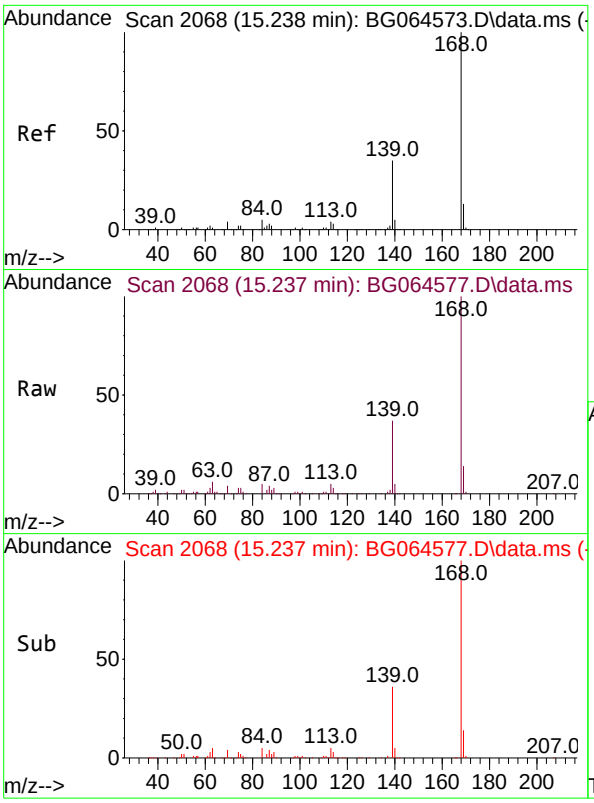


#54
2,4-Dinitrophenol
Concen: 33.991 ng
RT: 14.926 min Scan# 2015
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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#



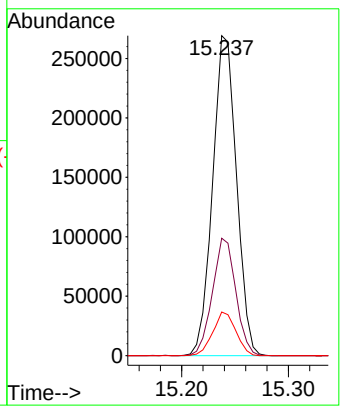


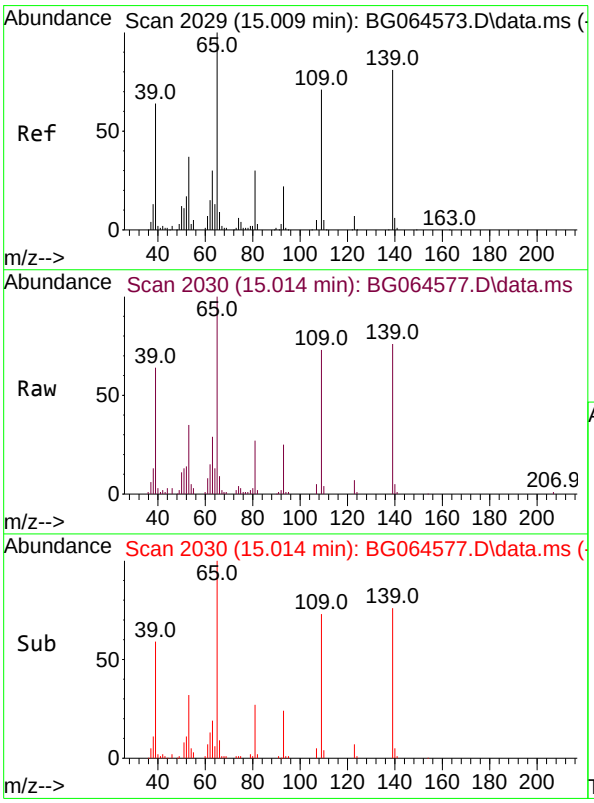
#55
Dibenzofuran
Concen: 36.096 ng
RT: 15.237 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:168 Resp: 419154

Ion	Ratio	Lower	Upper
168	100		
139	36.7	27.8	41.8
169	13.6	10.3	15.5

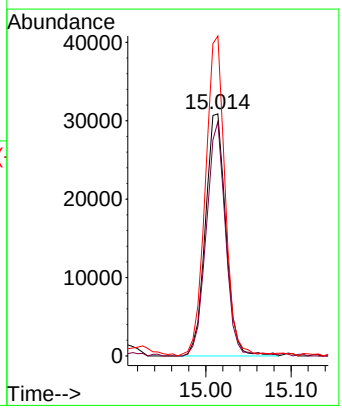


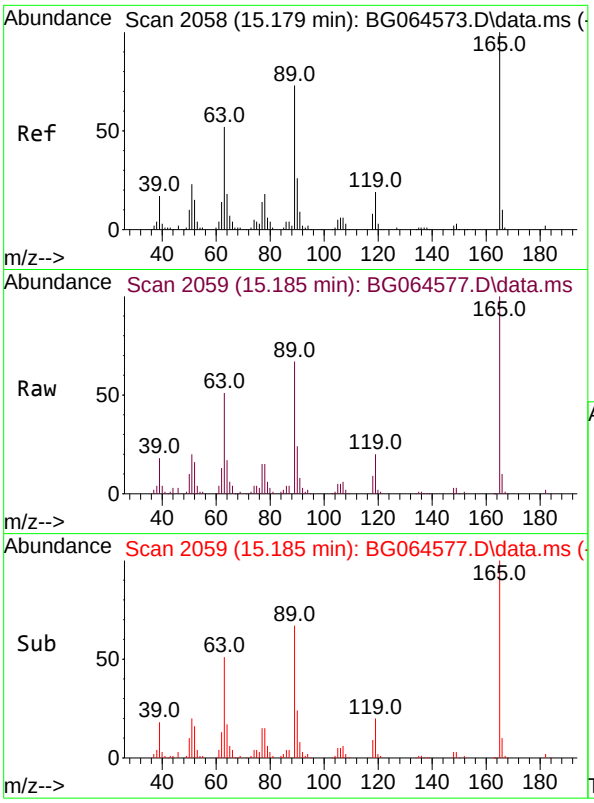


#56
4-Nitrophenol
Concen: 33.818 ng
RT: 15.014 min Scan# 2030
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



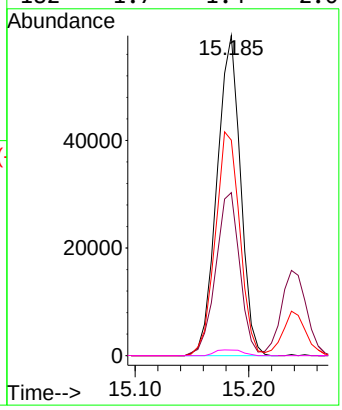


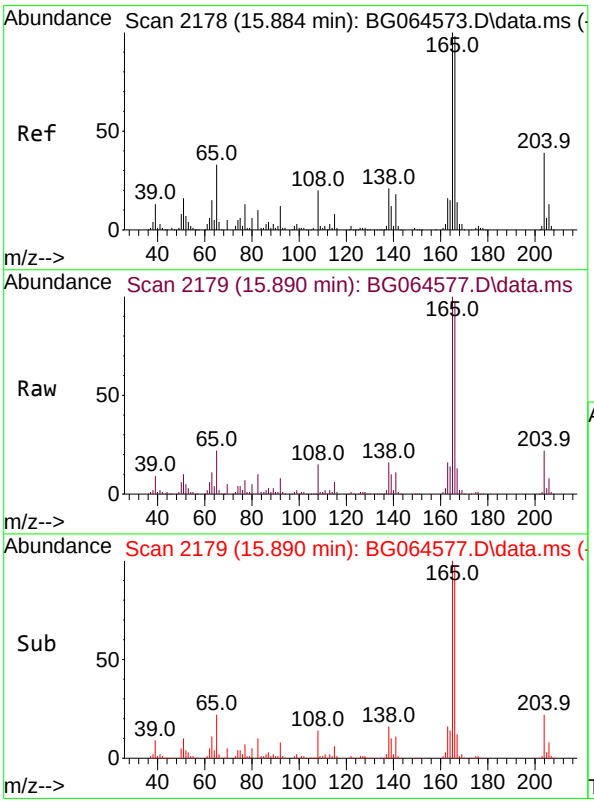
#57
2,4-Dinitrotoluene
Concen: 35.957 ng
RT: 15.185 min Scan# 20
Delta R.T. 0.006 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:165 Resp: 85201

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

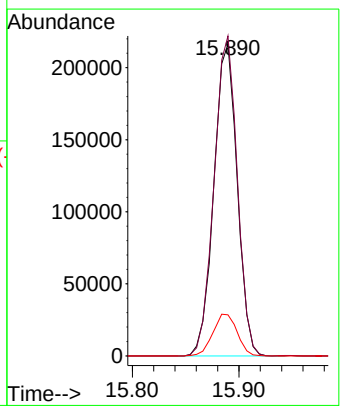


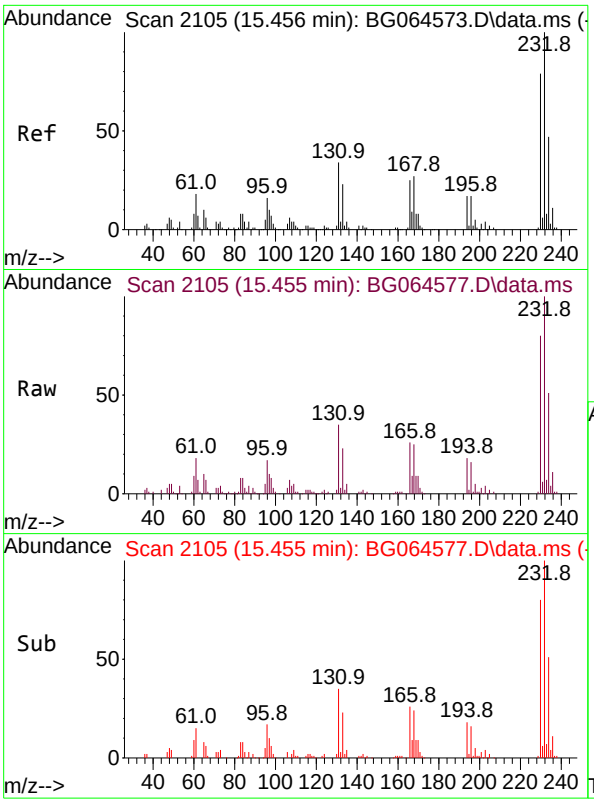


#58
Fluorene
Concen: 36.238 ng
RT: 15.890 min Scan# 2179
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



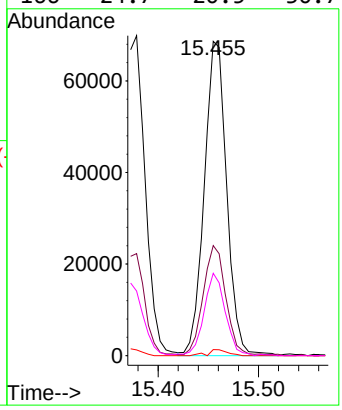


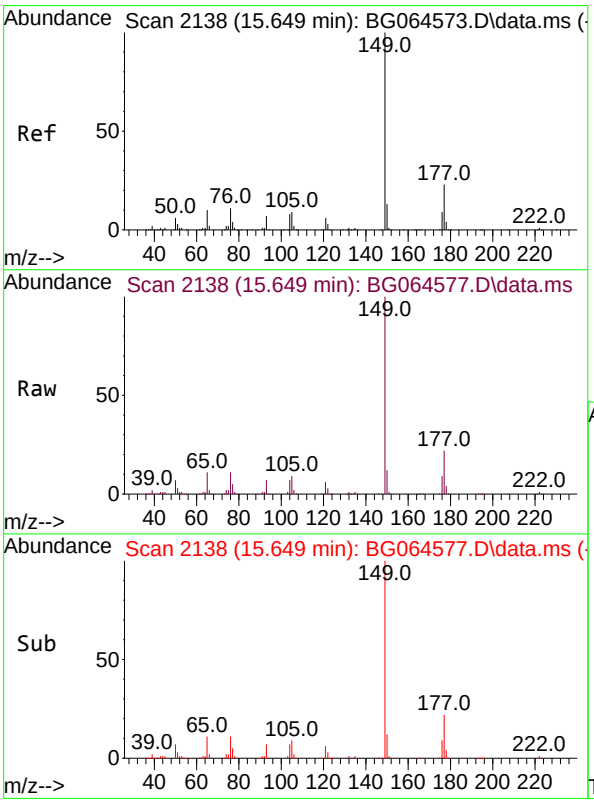
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.525 ng
RT: 15.455 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:232 Resp: 106626

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

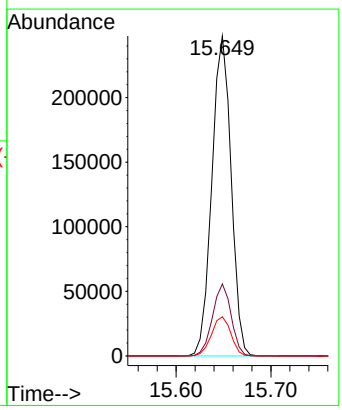


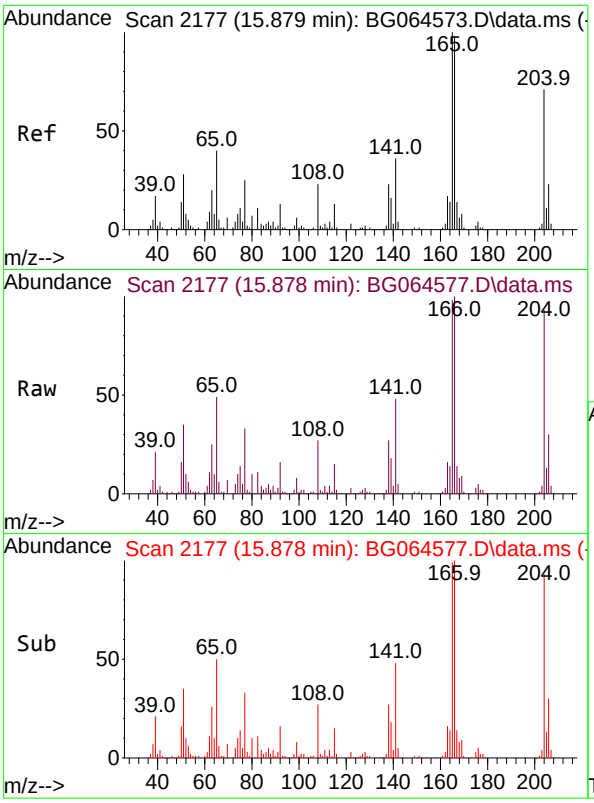


#60
Diethylphthalate
Concen: 35.961 ng
RT: 15.649 min Scan# 2138
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



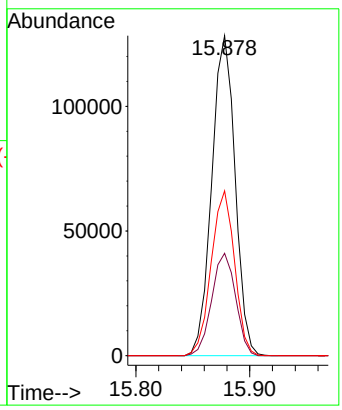


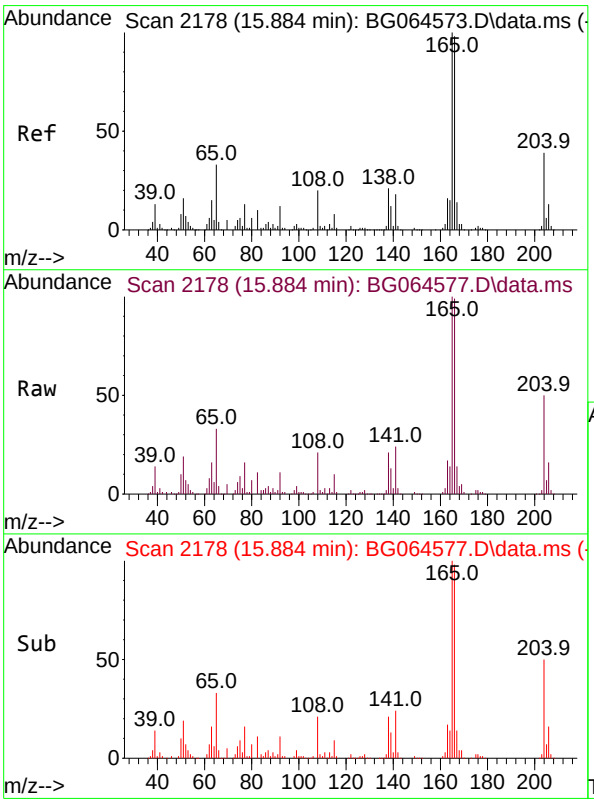
#61
4-Chlorophenyl-phenylether
Concen: 35.902 ng
RT: 15.878 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:204 Resp: 182714

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	51.5	40.6	60.8

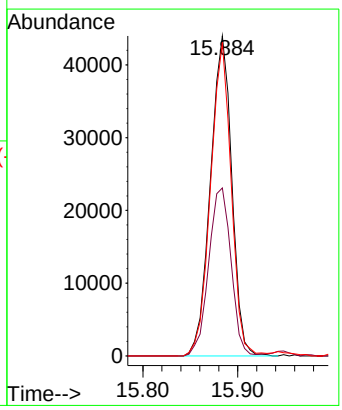


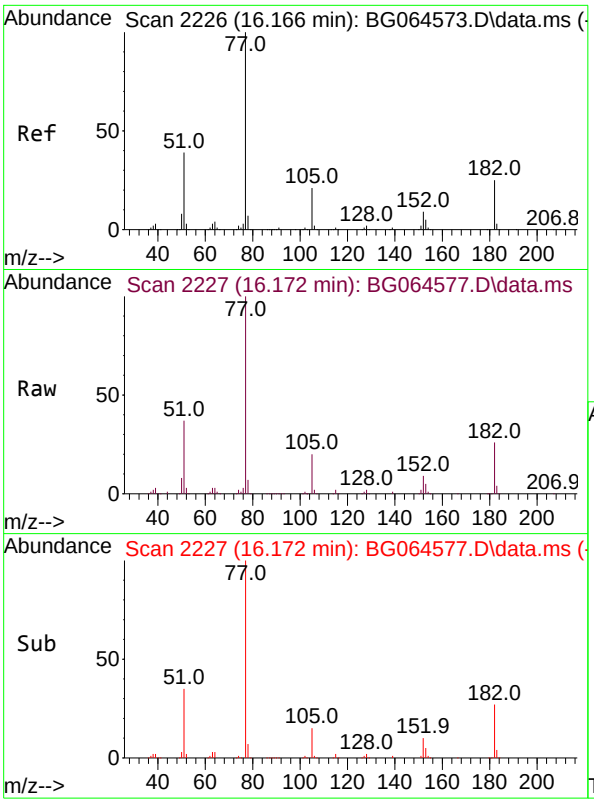


#62
4-Nitroaniline
Concen: 37.867 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



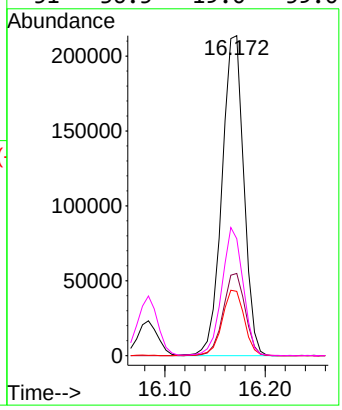


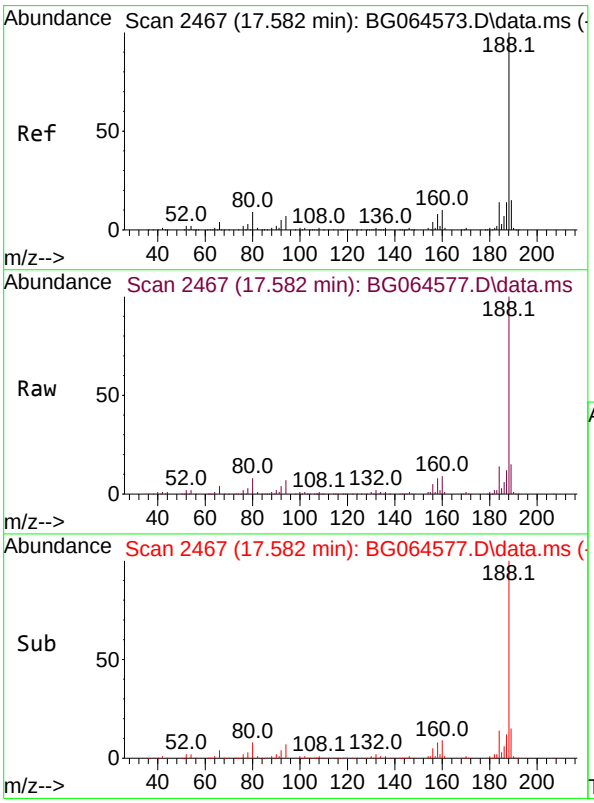
#63
Azobenzene
Concen: 36.325 ng
RT: 16.172 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion: 77 Resp: 323432

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

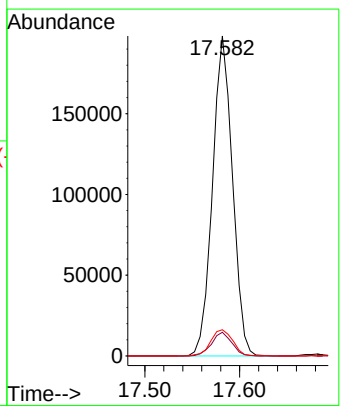


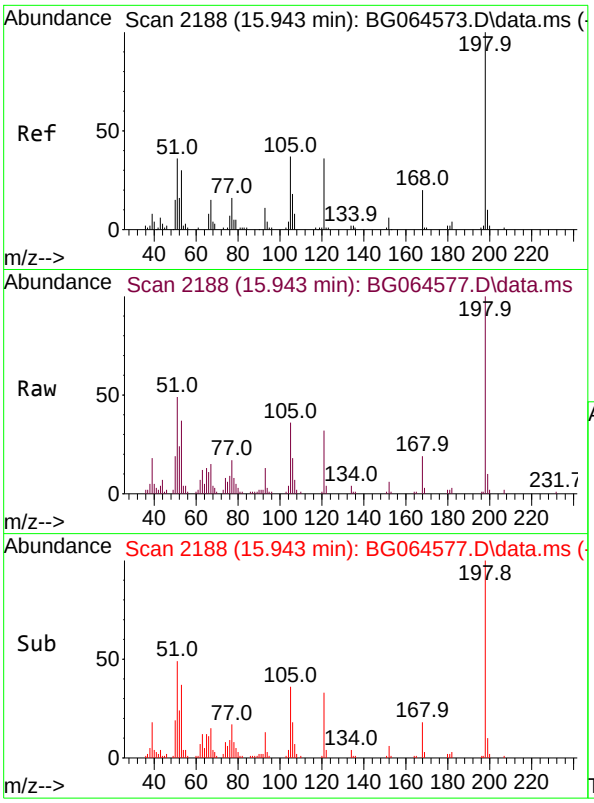


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.582 min Scan# 2467
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



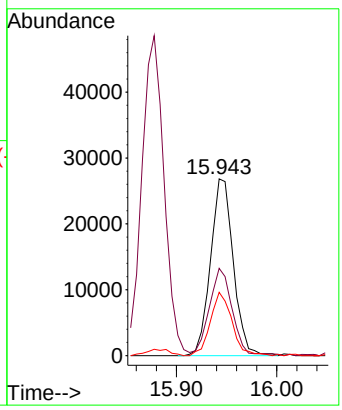


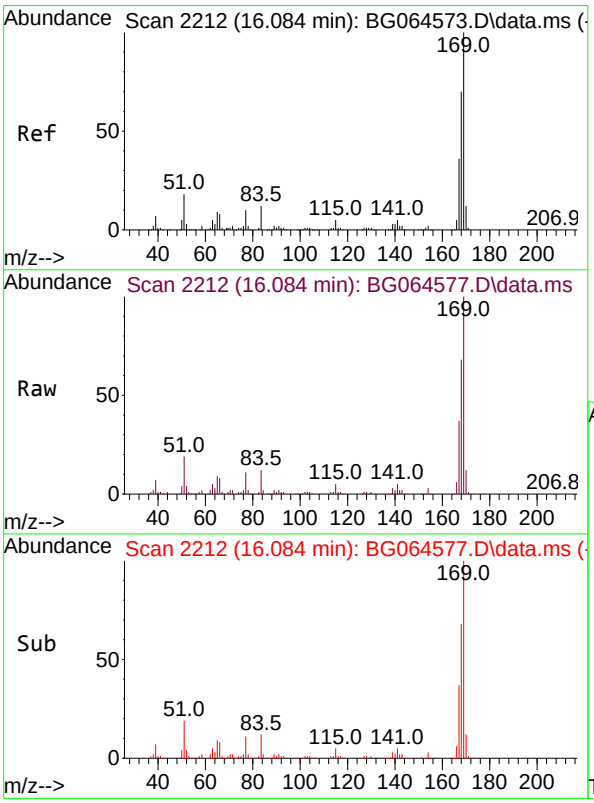
#65
4,6-Dinitro-2-methylphenol
Concen: 34.885 ng
RT: 15.943 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

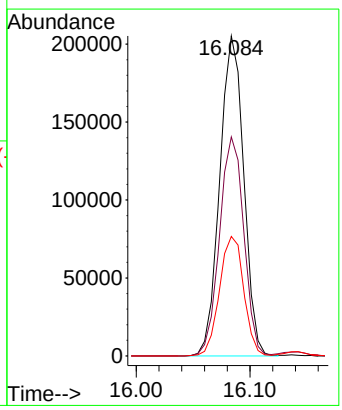


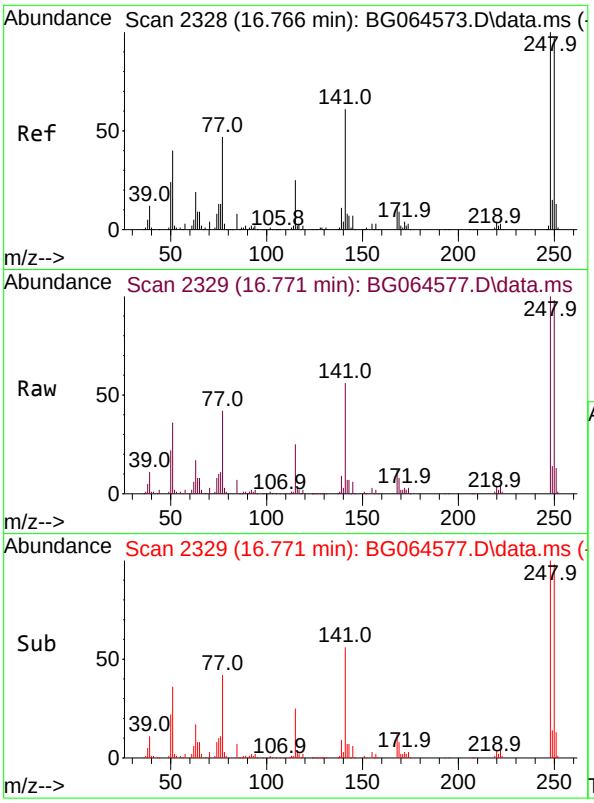


#66
n-Nitrosodiphenylamine
Concen: 38.325 ng
RT: 16.084 min Scan# 2212
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



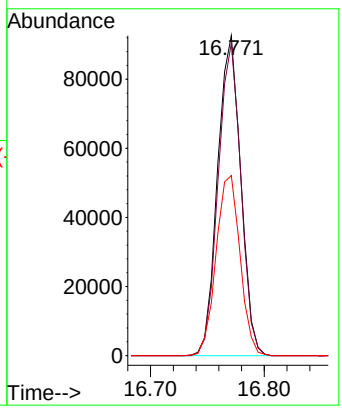


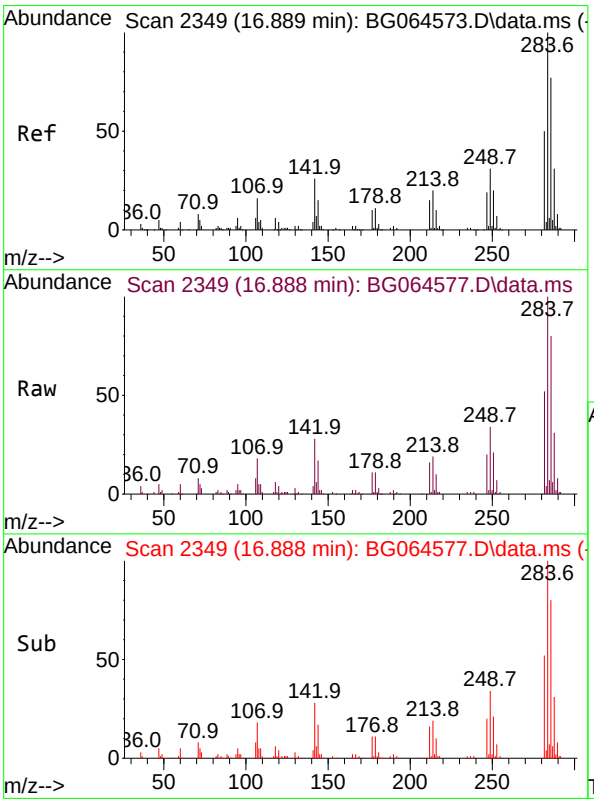
#67
4-Bromophenyl-phenylether
Concen: 38.044 ng
RT: 16.771 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:248 Resp: 130765

Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.7	116.5
141	56.3	48.6	72.8

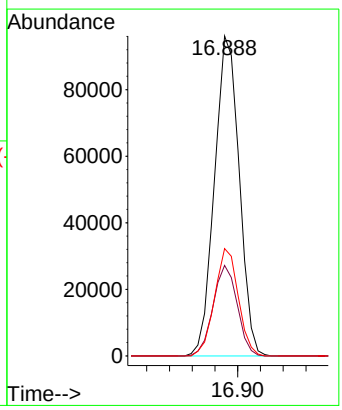


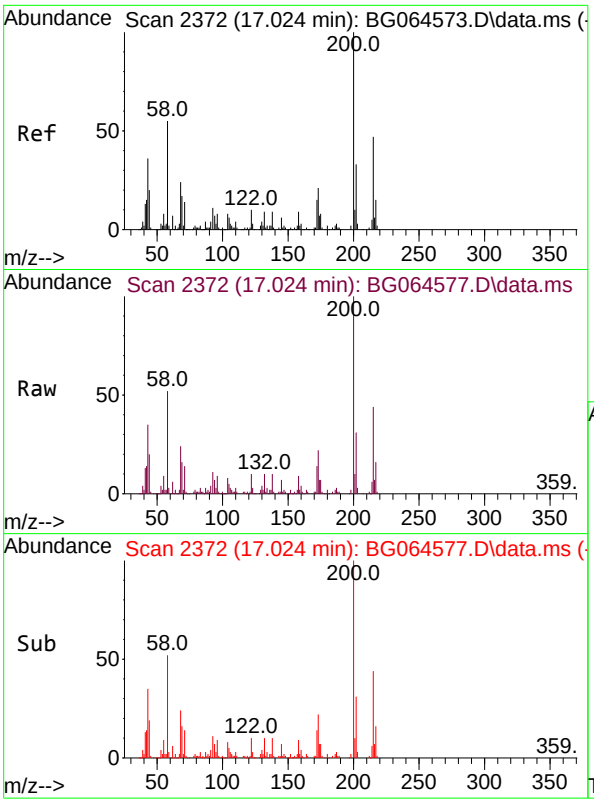


#68
Hexachlorobenzene
Concen: 36.971 ng
RT: 16.888 min Scan# 2349
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



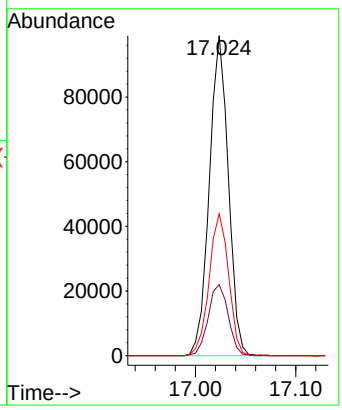


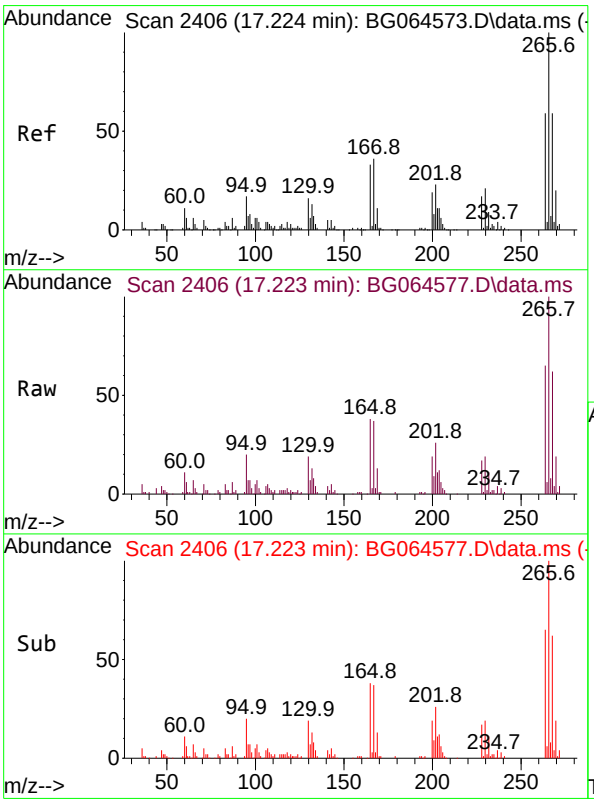
#69
Atrazine
Concen: 38.558 ng
RT: 17.024 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:200 Resp: 130007

Ion	Ratio	Lower	Upper
200	100		
173	22.2	0.9	40.9
215	44.3	27.0	67.0

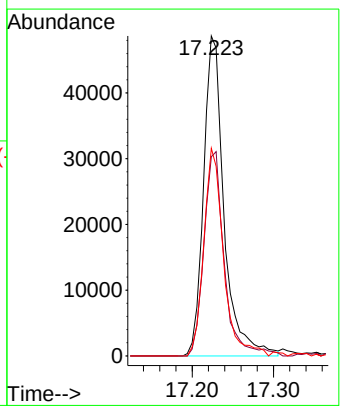


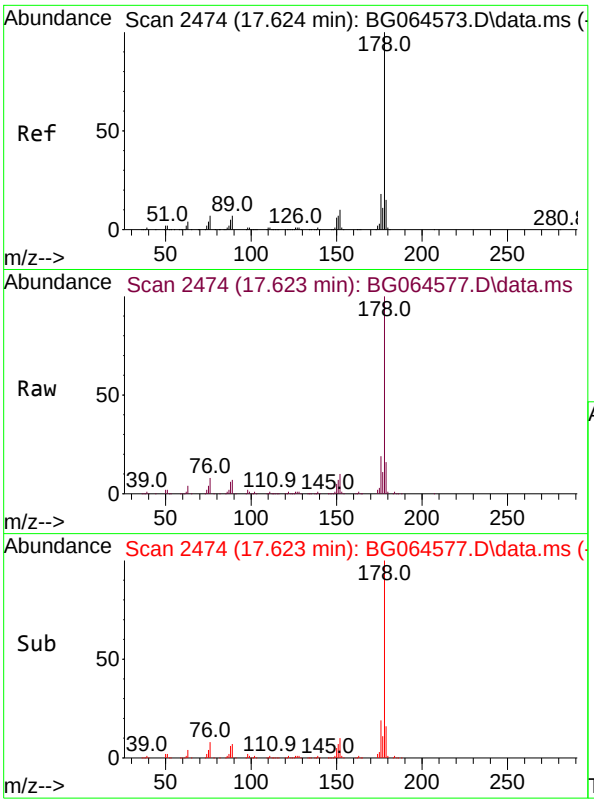


#70
Pentachlorophenol
Concen: 34.829 ng
RT: 17.223 min Scan# 2406
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



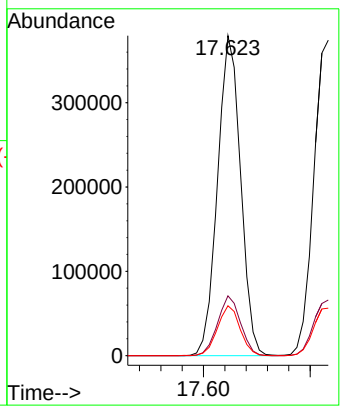


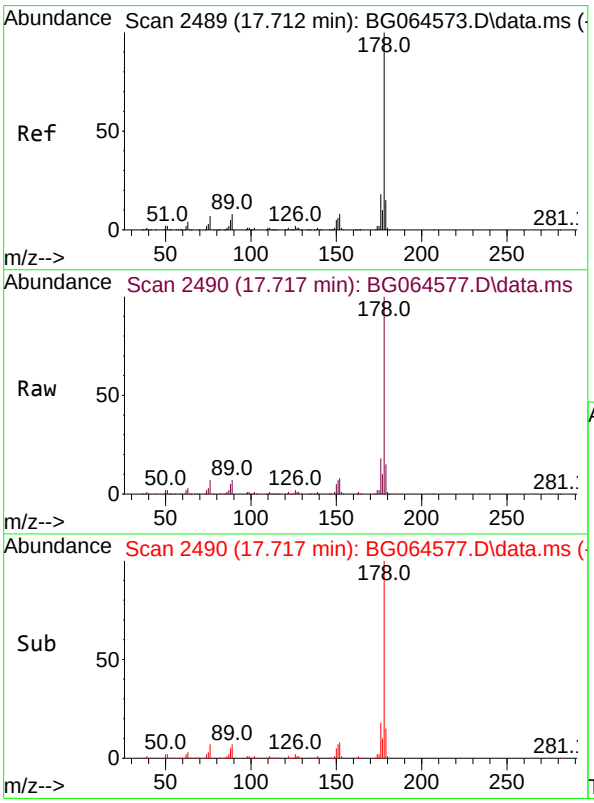
#71
Phenanthrene
Concen: 35.925 ng
RT: 17.623 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:178 Resp: 569825

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.6	12.2	18.4

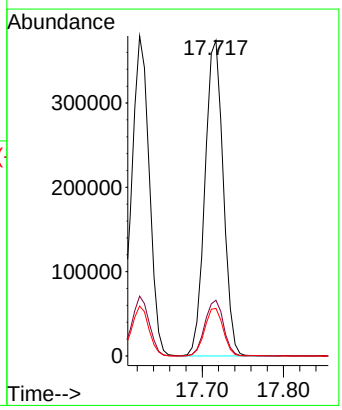


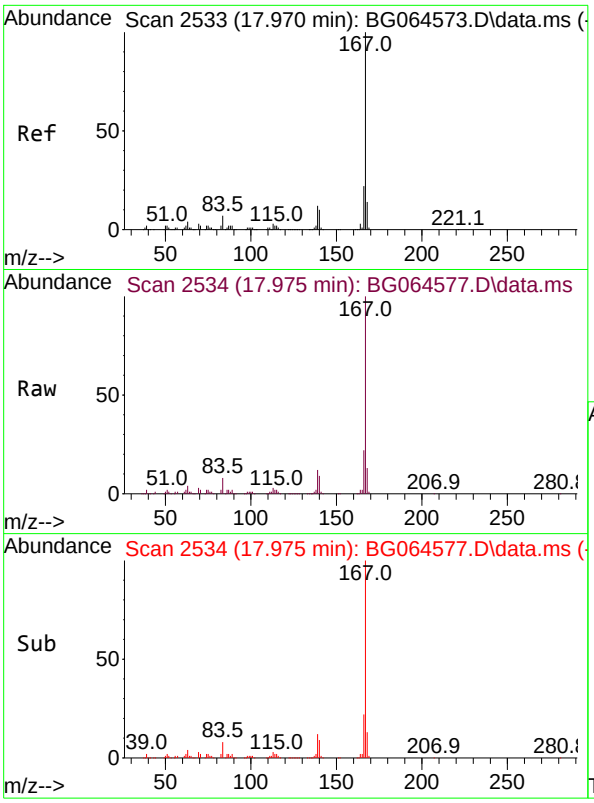


#72
Anthracene
Concen: 36.210 ng
RT: 17.717 min Scan# 2490
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



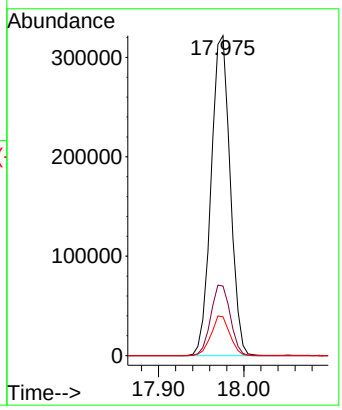


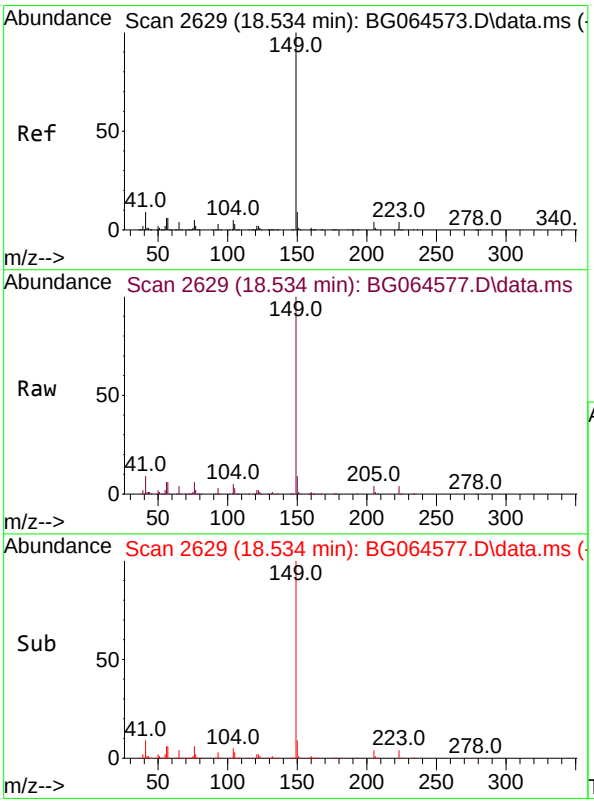
#73
Carbazole
Concen: 35.061 ng
RT: 17.975 min Scan# 2
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

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

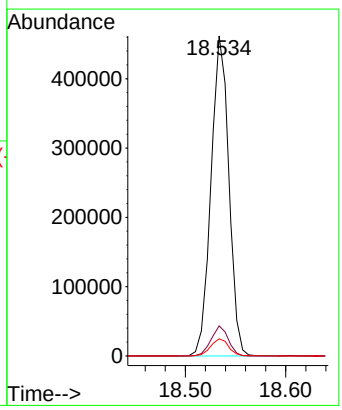


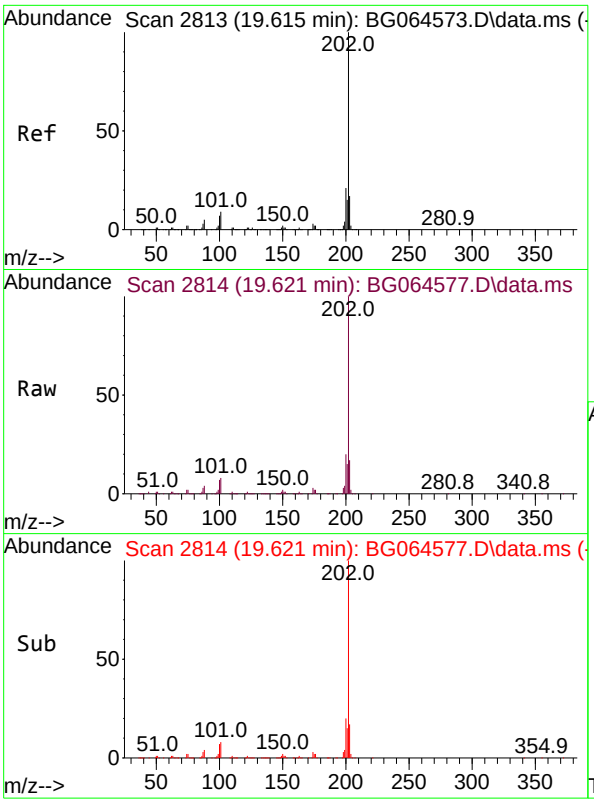


#74
Di-n-butylphthalate
Concen: 34.688 ng
RT: 18.534 min Scan# 2629
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



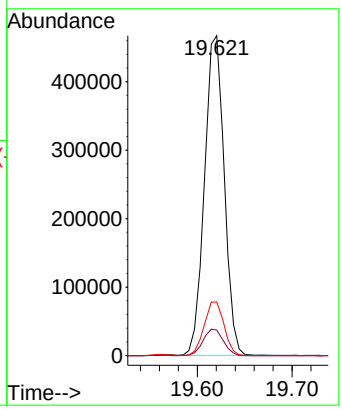


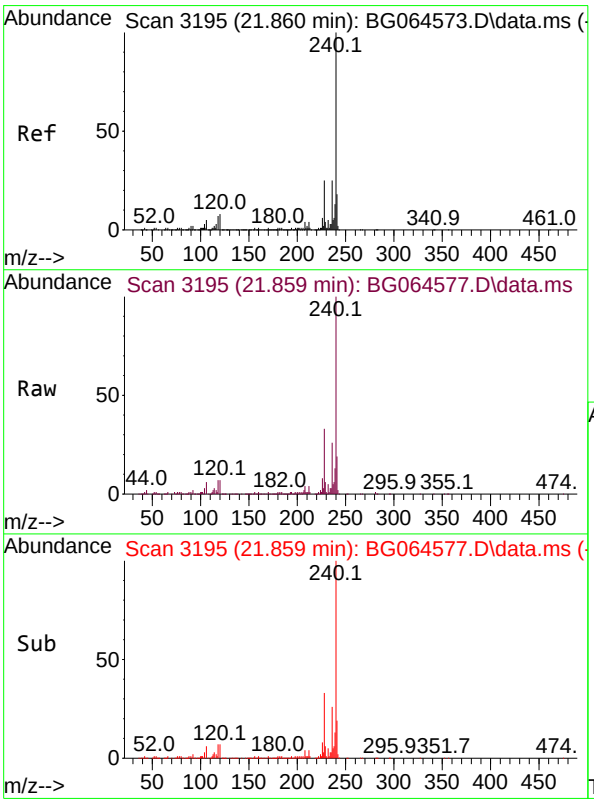
#75
Fluoranthene
Concen: 34.070 ng
RT: 19.621 min Scan# 28
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

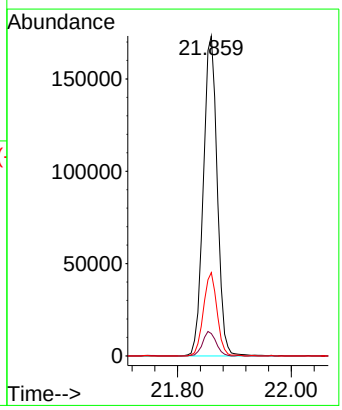


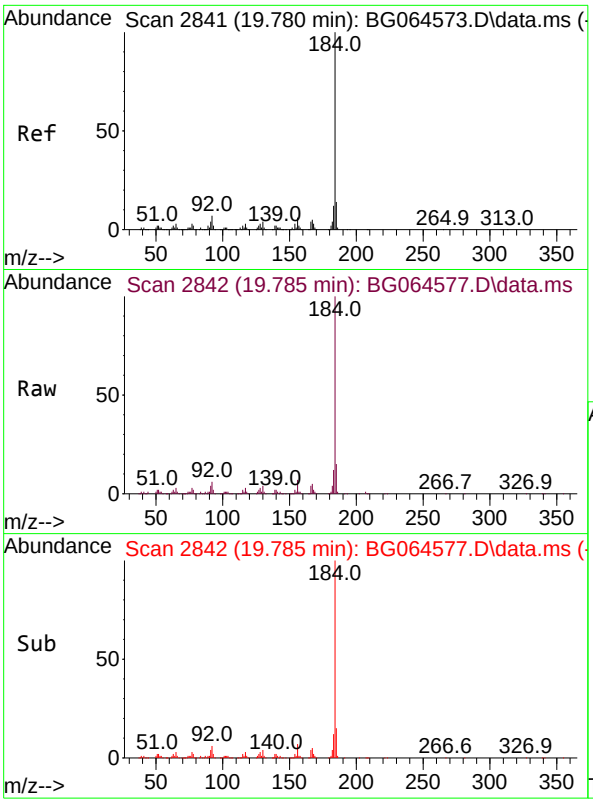


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.859 min Scan# 3195
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



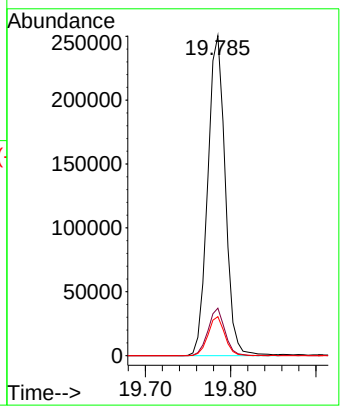


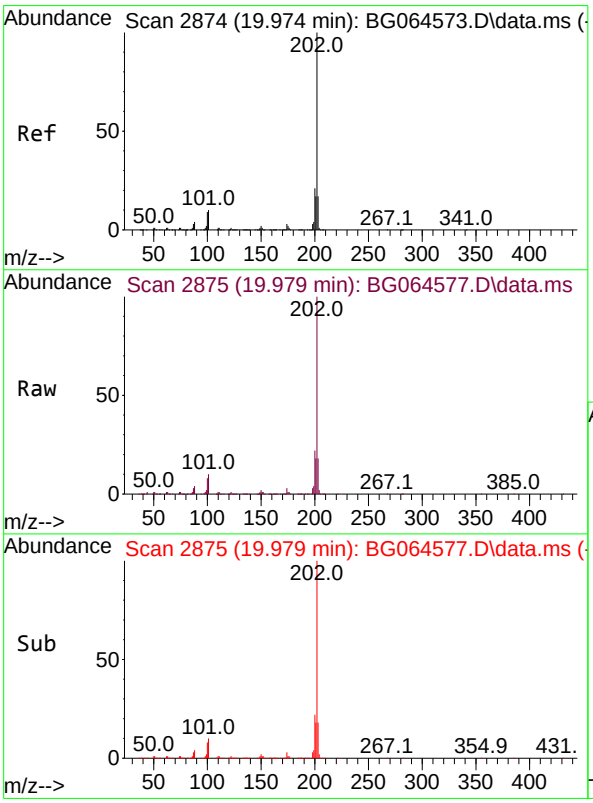
#77
Benzidine
Concen: 54.203 ng
RT: 19.785 min Scan# 28
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:184 Resp: 356547

Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.4	17.2
183	12.2	9.4	14.2

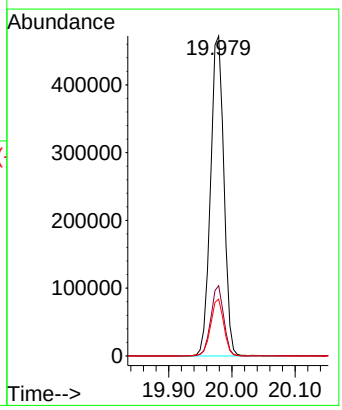


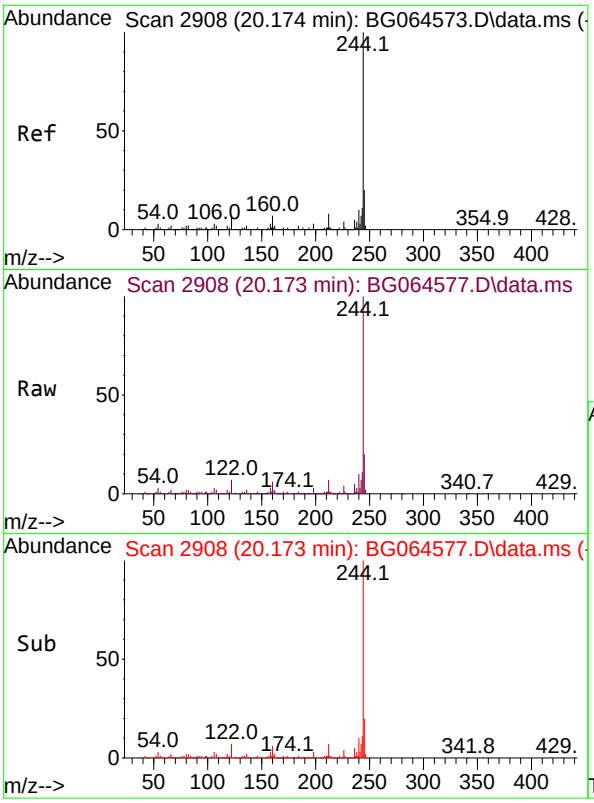


#78
Pyrene
Concen: 36.130 ng
RT: 19.979 min Scan# 2875
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



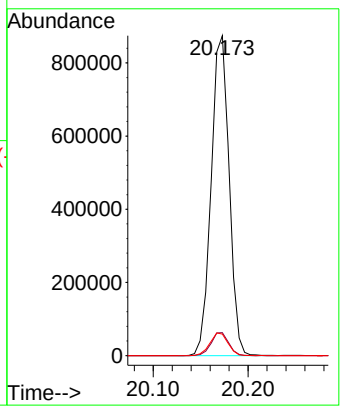


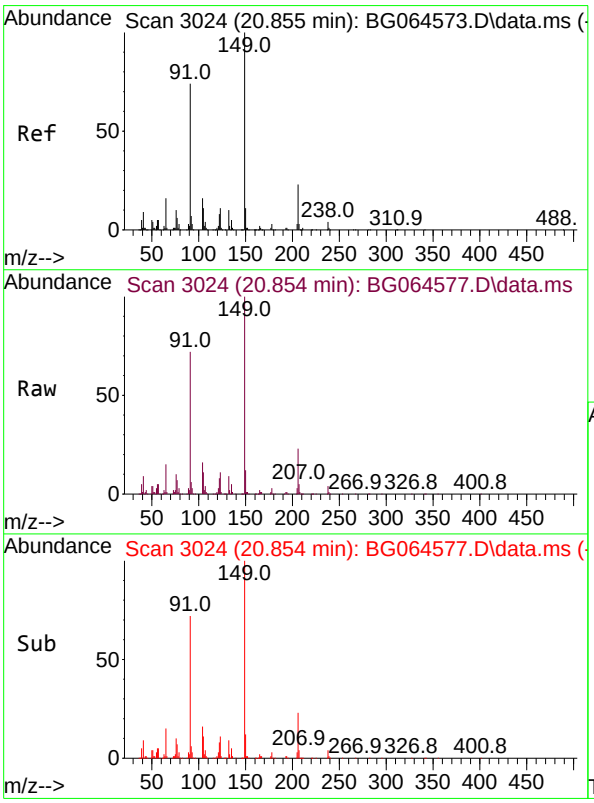
#79
Terphenyl-d14
Concen: 74.019 ng
RT: 20.173 min Scan# 29
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:244 Resp: 1151597

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

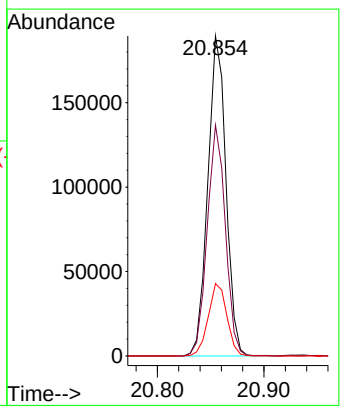


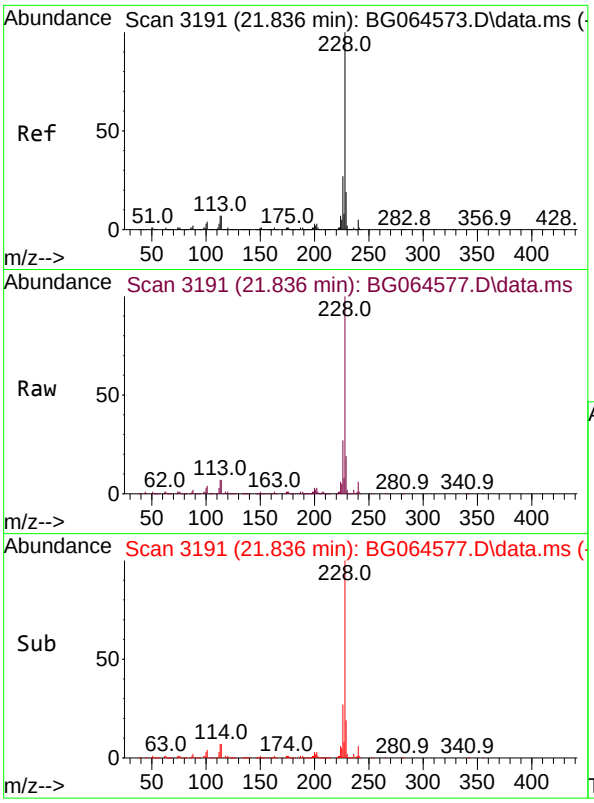


#80
Butylbenzylphthalate
Concen: 38.702 ng
RT: 20.854 min Scan# 3024
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



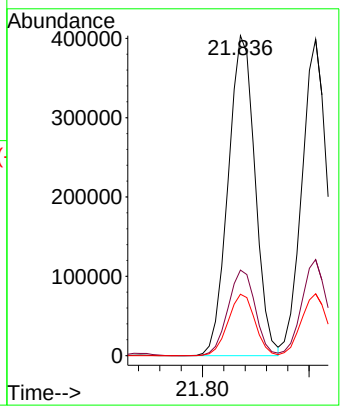


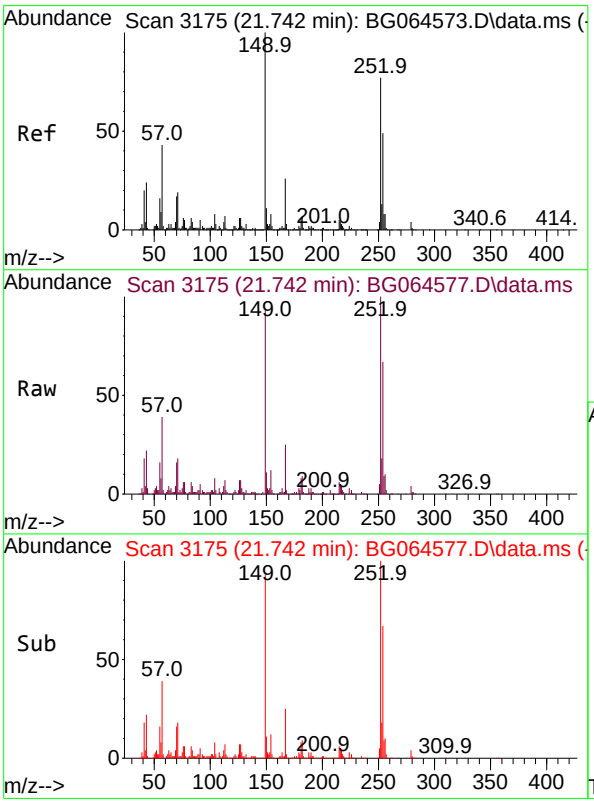
#81
Benzo(a)anthracene
Concen: 36.287 ng
RT: 21.836 min Scan# 31
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:228 Resp: 706428

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.9	32.9
229	19.2	15.6	23.4

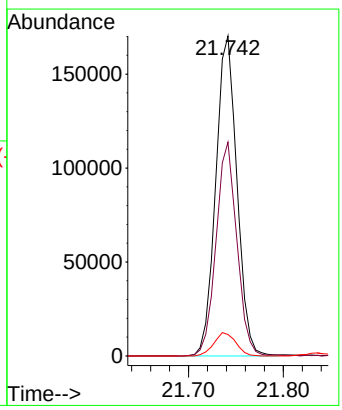


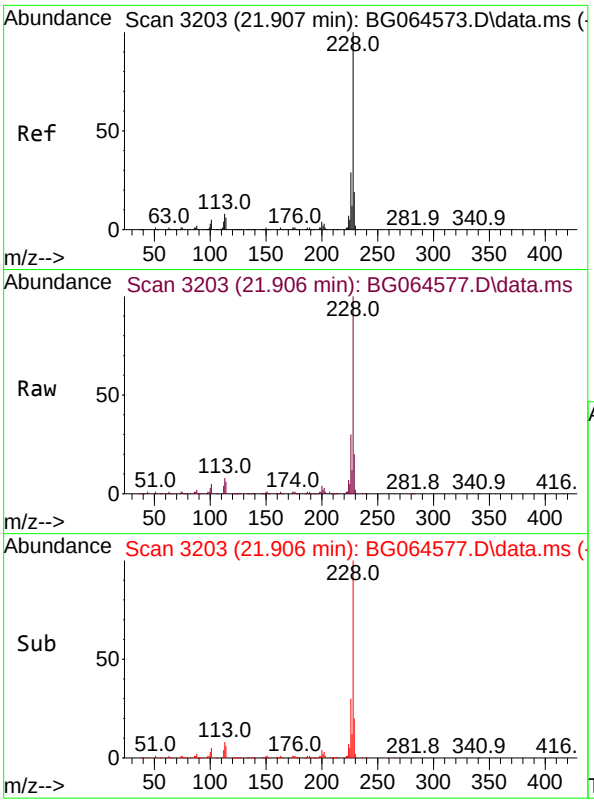


#82
3,3'-Dichlorobenzidine
Concen: 40.813 ng
RT: 21.742 min Scan# 3175
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



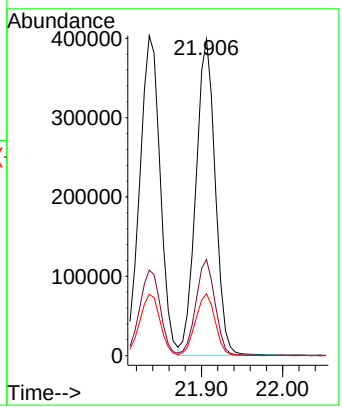


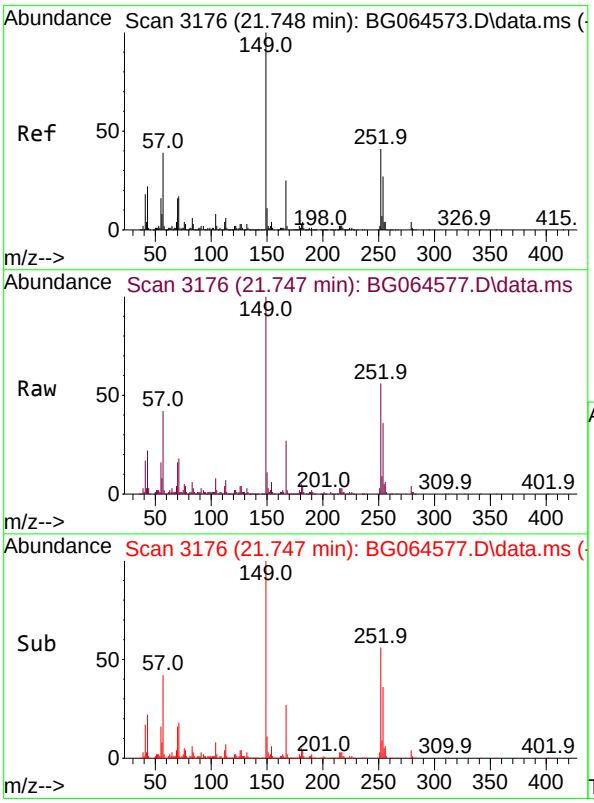
#83
Chrysene
Concen: 35.533 ng
RT: 21.906 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:228 Resp: 658217

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.3	34.9
229	19.5	15.2	22.8

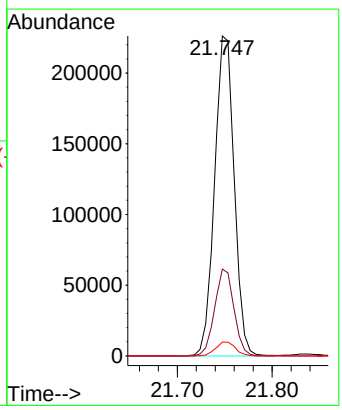


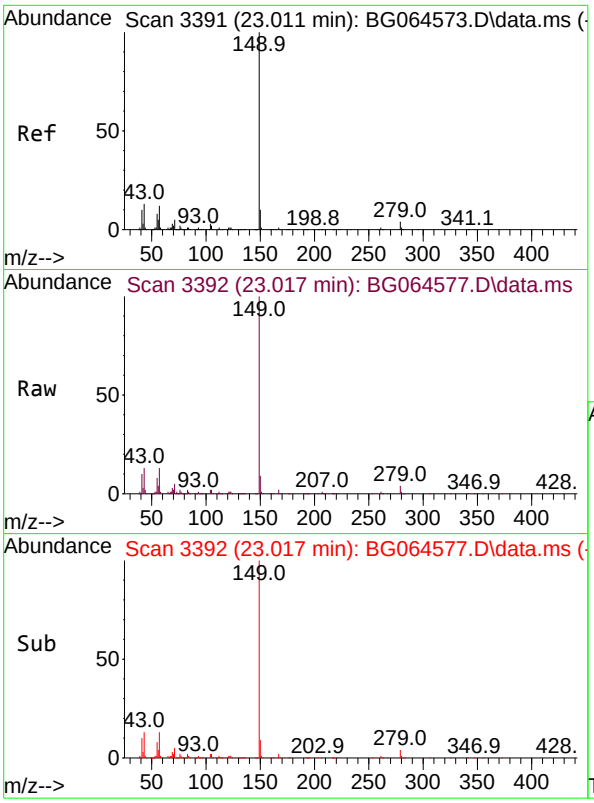


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.470 ng
RT: 21.747 min Scan# 3176
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



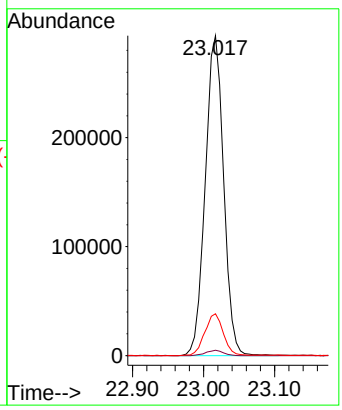


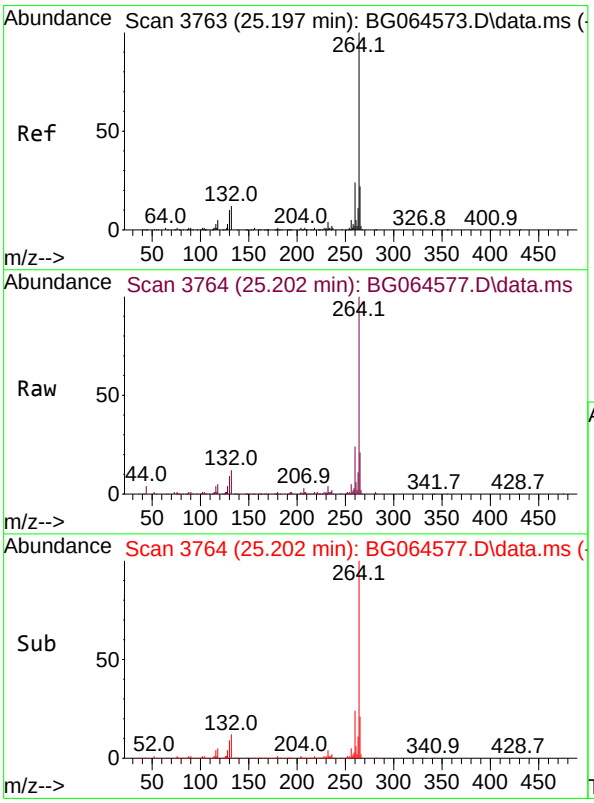
#85
Di-n-octyl phthalate
Concen: 36.087 ng
RT: 23.017 min Scan# 3
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:149 Resp: 527097

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.3	10.8	16.2

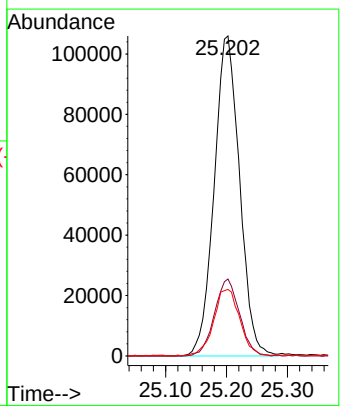


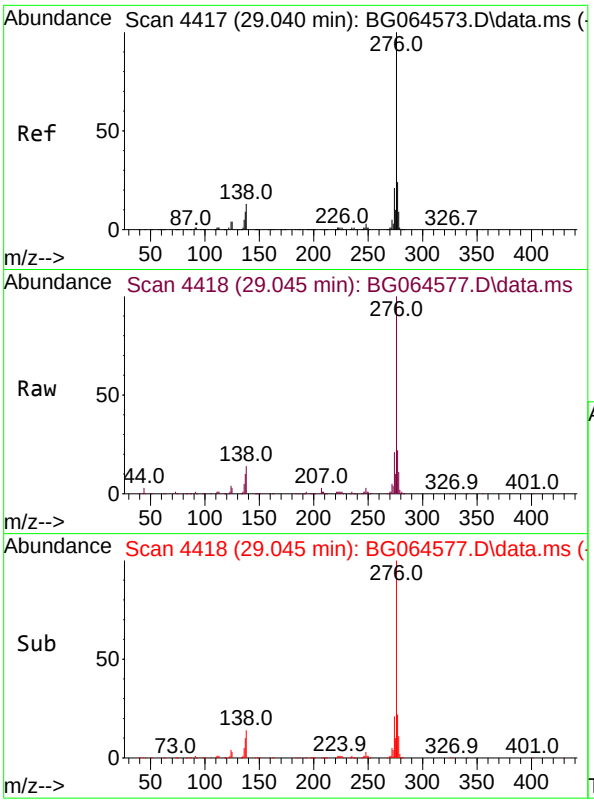


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.202 min Scan# 3764
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



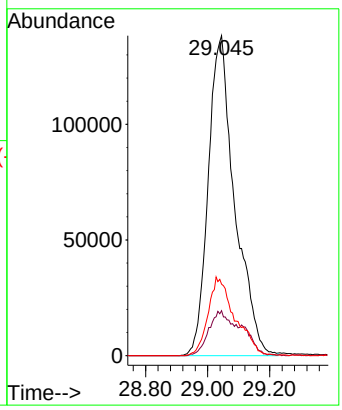


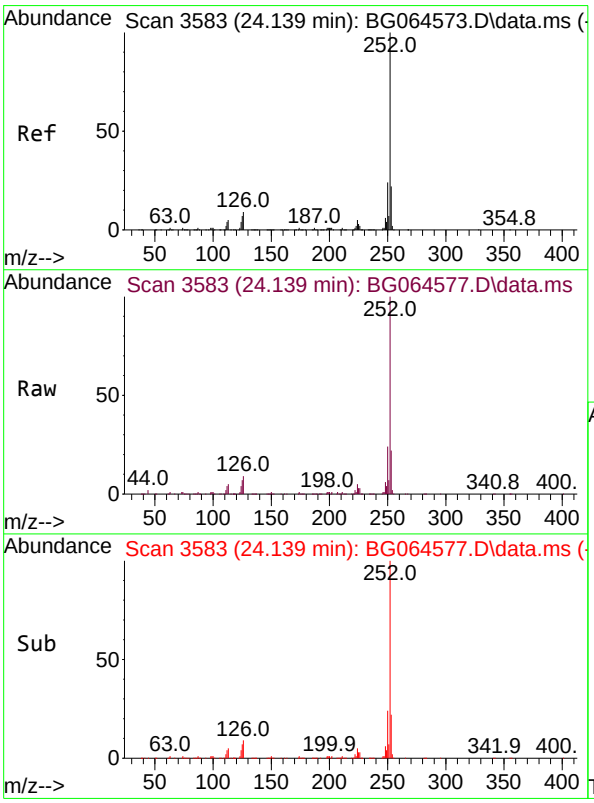
#87
Indeno(1,2,3-cd)pyrene
Concen: 36.366 ng
RT: 29.045 min Scan# 44
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:276 Resp: 820974

Ion	Ratio	Lower	Upper
276	100		
138	12.6	10.8	16.2
277	25.0	20.1	30.1

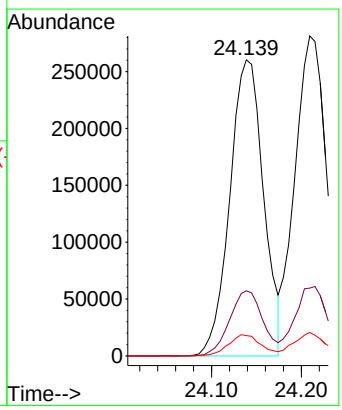


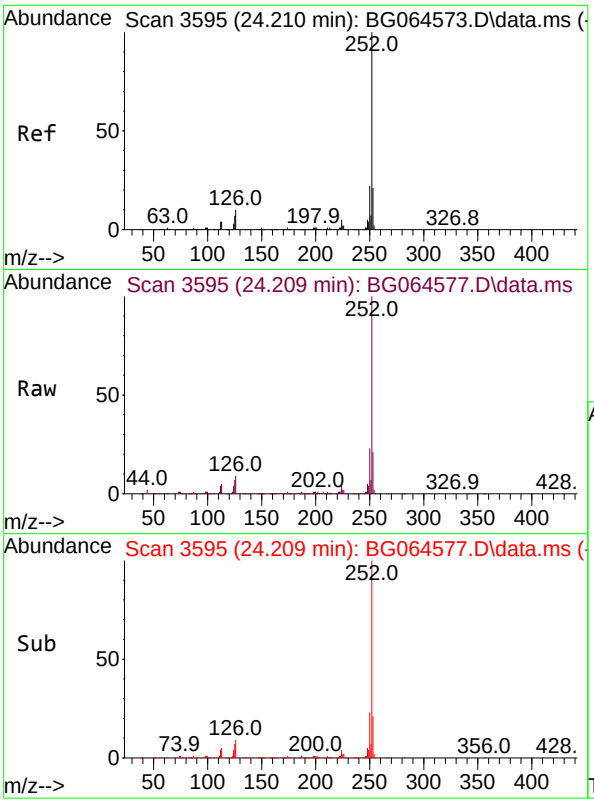


#88
Benzo(b)fluoranthene
Concen: 36.235 ng
RT: 24.139 min Scan# 3583
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



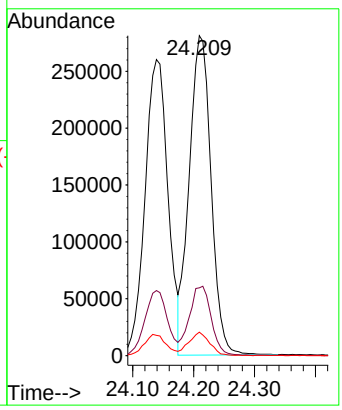


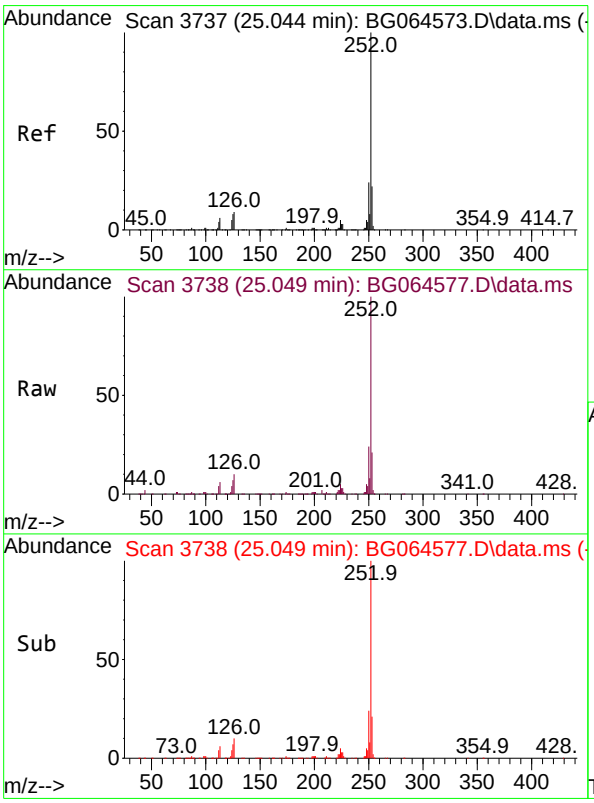
#89
Benzo(k)fluoranthene
Concen: 37.252 ng
RT: 24.209 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:252 Resp: 701500

Ion	Ratio	Lower	Upper
252	100		
253	21.2	16.8	25.2
125	7.3	5.4	8.0

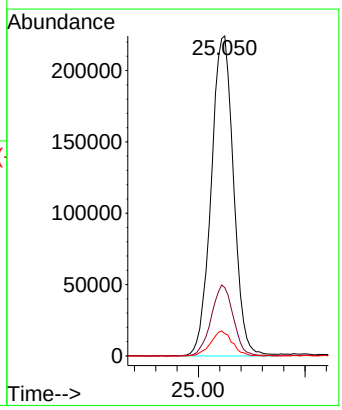


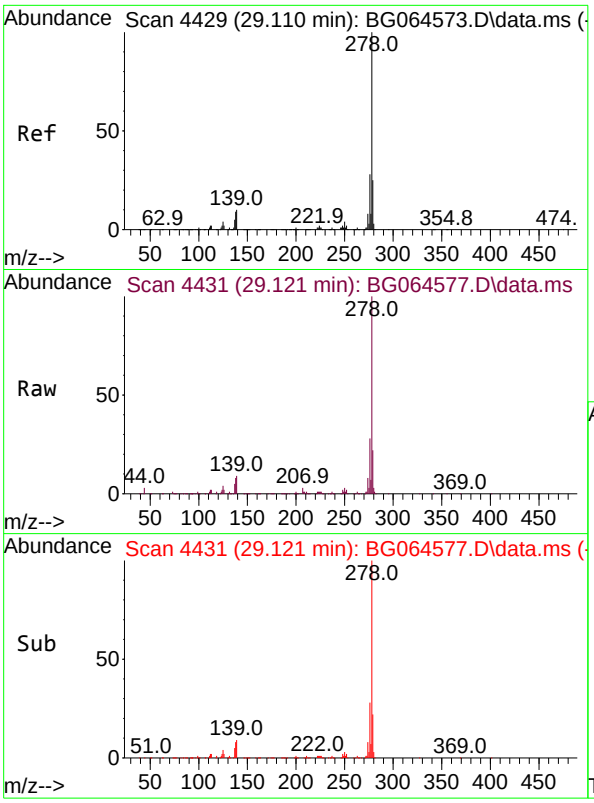


#90
Benzo(a)pyrene
Concen: 37.700 ng
RT: 25.049 min Scan# 3738
Delta R.T. 0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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



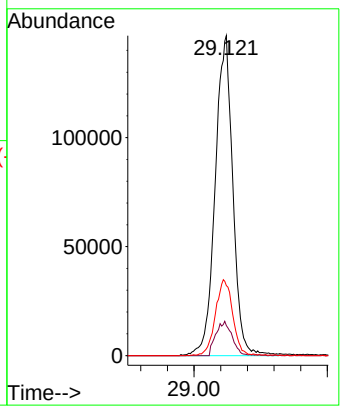


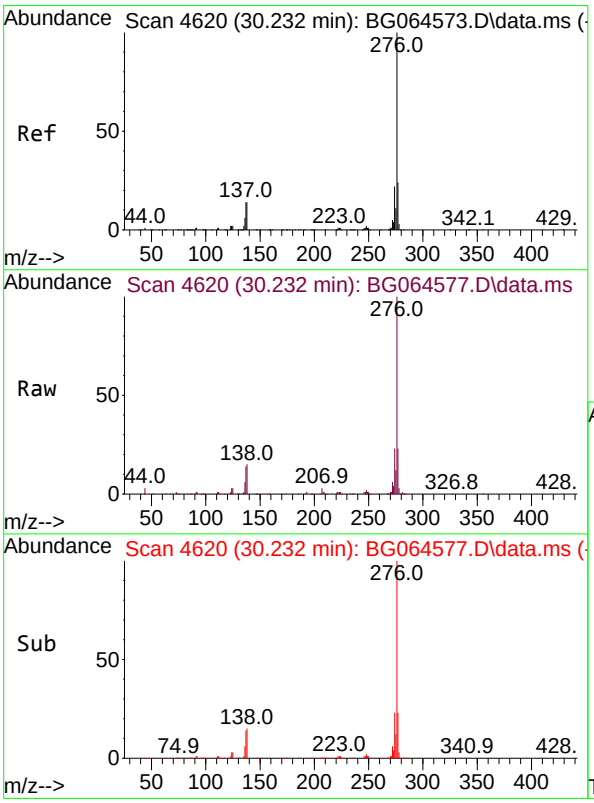
#91
Dibenzo(a,h)anthracene
Concen: 36.776 ng
RT: 29.121 min Scan# 44
Delta R.T. 0.011 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Tgt Ion:278 Resp: 674510

Ion	Ratio	Lower	Upper
278	100		
139	9.4	8.0	12.0
279	21.9	19.8	29.6

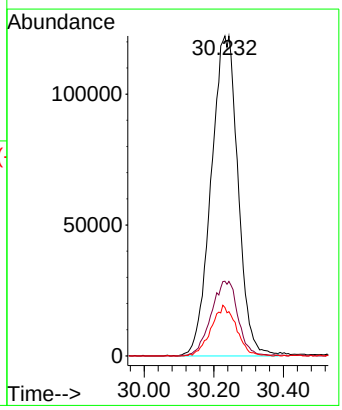




#92
Benzo(g,h,i)perylene
Concen: 37.302 ng
RT: 30.232 min Scan# 4620
Delta R.T. -0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:276 Resp: 653564

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.1	28.7
138	15.1	11.3	16.9



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: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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	0.00
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	0.00
11		bis(2-Chloroethyl)ether	40.000	34.973	12.6	78	0.00
12		1,3-Dichlorobenzene	40.000	36.085	9.8	79	0.00
13	C	1,4-Dichlorobenzene	40.000	37.634	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	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.163	9.6	78	0.00
17		2-Methylphenol	40.000	38.466	3.8	84	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	0.00
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	0.00
26	C	2-Nitrophenol	40.000	35.498	11.3	84	0.00
27		2,4-Dimethylphenol	40.000	40.491	-1.2	86	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	29.620	25.9#	65	-0.01
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	0.00
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	35.513	11.2	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: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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	0.00
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	0.00
88		Benzo(b)fluoranthene	40.000	36.235	9.4	74	0.00
89		Benzo(k)fluoranthene	40.000	37.252	6.9	78	0.00
90	C	Benzo(a)pyrene	40.000	37.700	5.7	77	0.00
91		Dibenzo(a,h)anthracene	40.000	36.776	8.1	76	0.01
92		Benzo(g,h,i)perylene	40.000	37.302	6.7	77	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: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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 :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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	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	0.00
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	0.00
11		bis(2-Chloroethyl)ether	1.329	1.162	12.6	78	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	0.00
16		2,2'-oxybis(1-Chloropropane	3.487	3.153	9.6	78	0.00
17		2-Methylphenol	1.201	1.155	3.8	84	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	0.00
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	0.00
26	C	2-Nitrophenol	0.121	0.121	0.0	84	0.00
27		2,4-Dimethylphenol	0.297	0.301	-1.3	86	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	0.207	0.153	26.1#	65	-0.01
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	0.00
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	0.806	0.716	11.2	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: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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	0.00
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	0.00
88		Benzo(b)fluoranthene	1.226	1.111	9.4	74	0.00
89		Benzo(k)fluoranthene	1.227	1.143	6.8	78	0.00
90	C	Benzo(a)pyrene	1.127	1.062	5.8	77	0.00
91		Dibenzo(a,h)anthracene	1.195	1.099	8.0	76	0.01
92		Benzo(g,h,i)perylene	1.142	1.065	6.7	77	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: Nov 04 00:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: LIRO01

Lab Code: ACE SDG No.: Q3468

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	
Phenol-d6	1.635	1.656		1.3	
Nitrobenzene-d5	0.333	0.401		20.4	
2-Fluorobiphenyl	1.319	1.473		11.7	
Acenaphthylene	1.693	1.770		4.5	
Acenaphthene	1.157	1.225		5.9	20.0
Fluorene	1.460	1.476		1.1	
2,4,6-Tribromophenol	0.289	0.312		8.0	
Phenanthrene	1.094	1.132		3.5	
Anthracene	1.113	1.125		1.1	
Fluoranthene	1.370	1.343		-2.0	20.0
Pyrene	1.307	1.322		1.1	
Terphenyl-d14	1.060	1.074		1.3	
Benzo(a)anthracene	1.326	1.395		5.2	
Chrysene	1.262	1.298		2.9	
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	1.142	1.182		3.5	

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: Nov 04 05:47:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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	7.623	93	101216	41.589	ng		96
12) 1,3-Dichlorobenzene	8.111	146	113188	43.073	ng		98
13) 1,4-Dichlorobenzene	8.258	146	113697	42.551	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	8.646	107	92368	42.028	ng		98
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	41.823	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	37.459	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	40.940	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: Nov 04 05:47:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

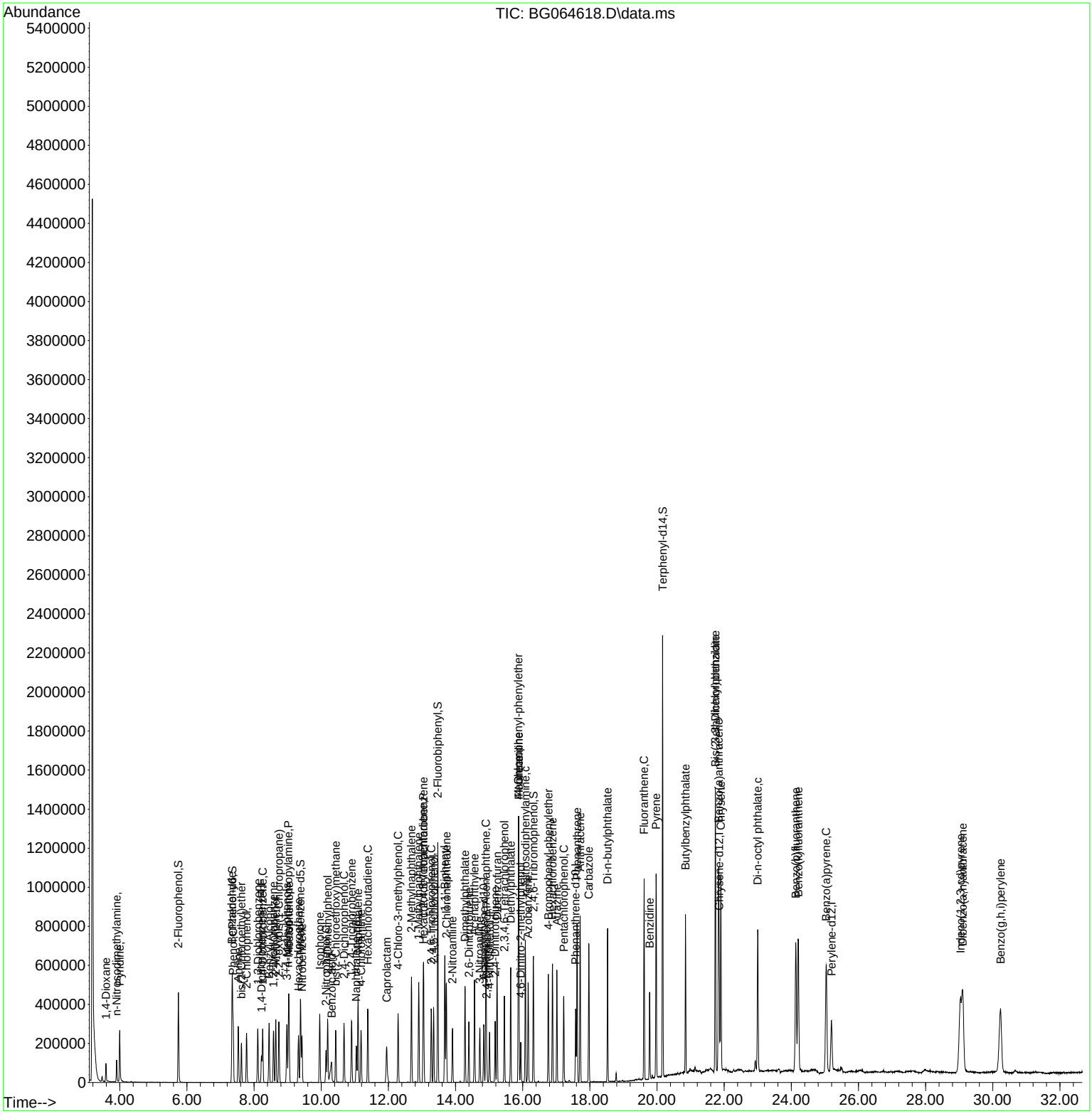
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	107132	44.415	ng		96
46) 1,1'-Biphenyl	13.681	154	334243	43.180	ng		98
47) 2-Chloronaphthalene	13.728	162	255946	43.804	ng		98
48) 2-Nitroaniline	13.910	65	82275	42.351	ng		96
49) Acenaphthylene	14.562	152	385513	41.830	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	30.232	276	705048	41.412	ng		98

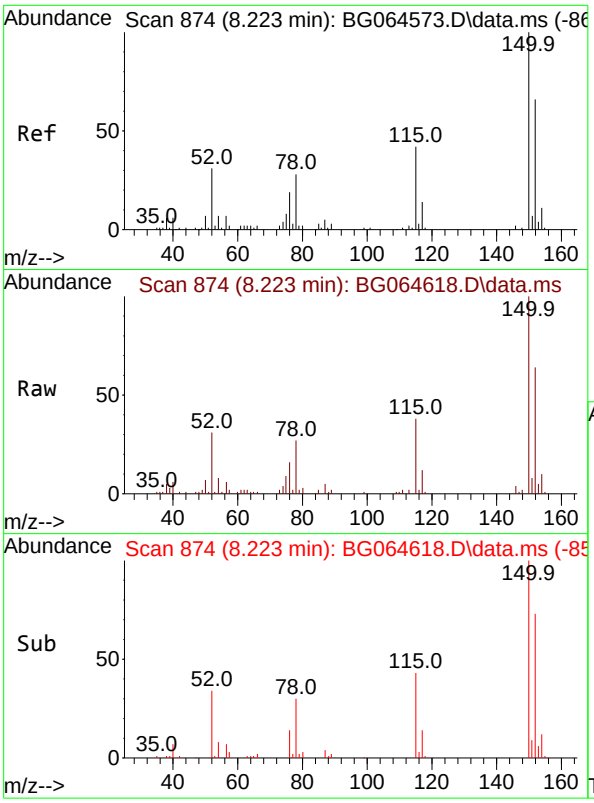
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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: Nov 04 05:47:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration



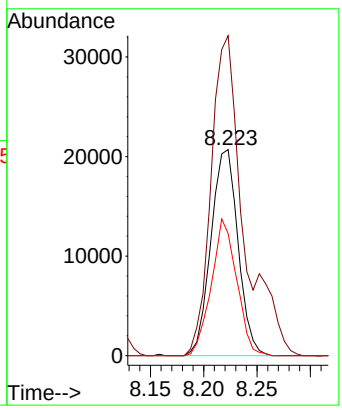


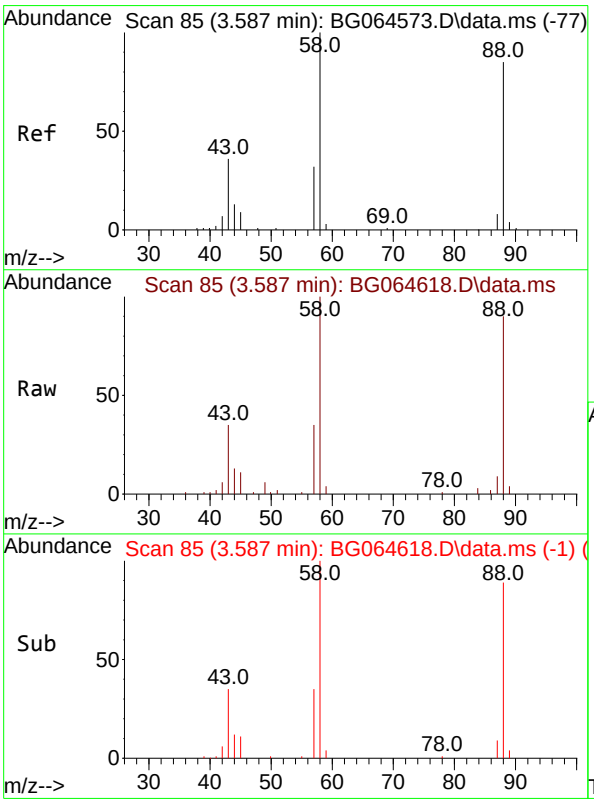
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

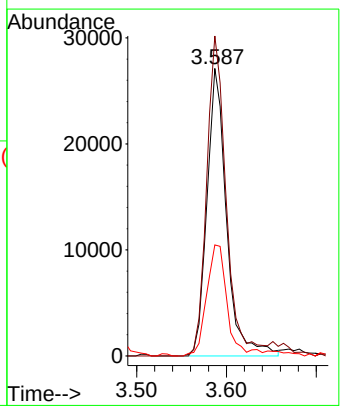


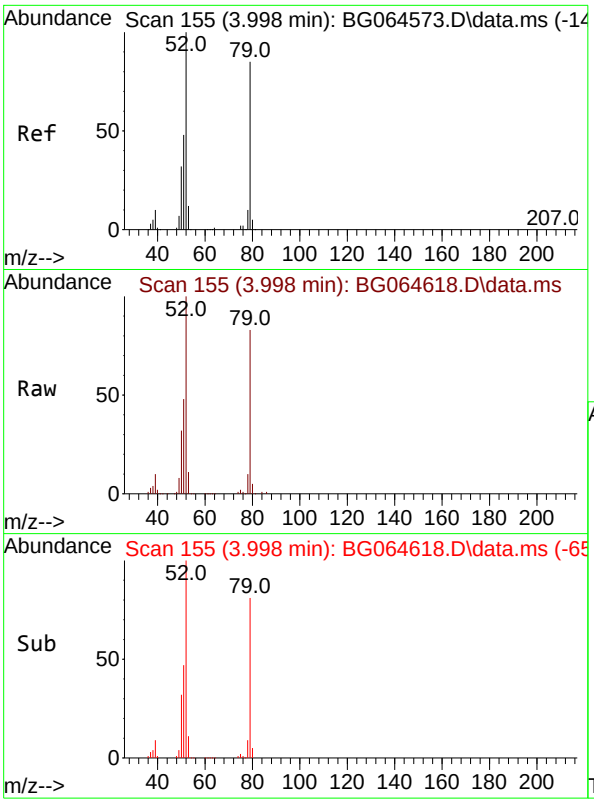


#2
1,4-Dioxane
Concen: 42.495 ng
RT: 3.587 min Scan# 85
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



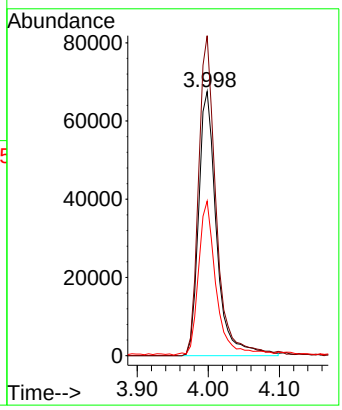


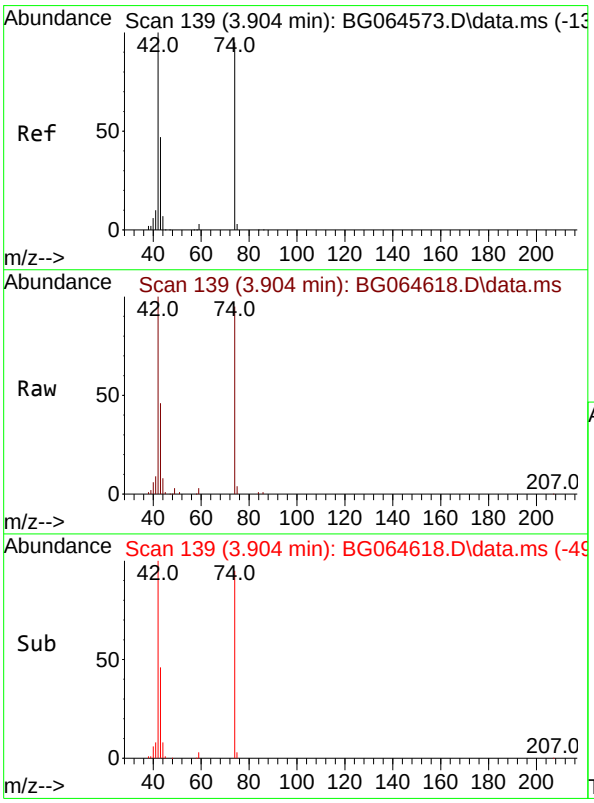
#3
Pyridine
Concen: 40.966 ng
RT: 3.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

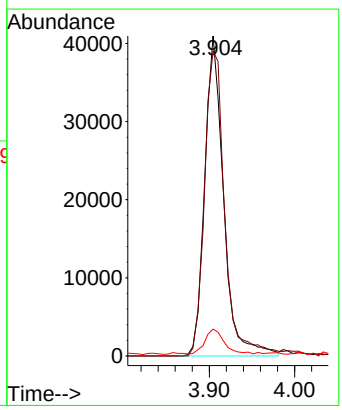


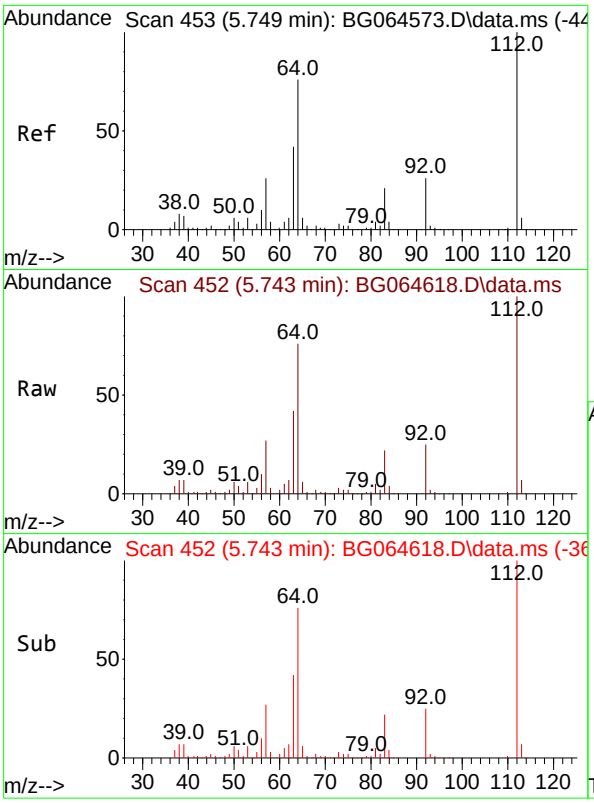


#4
n-Nitrosodimethylamine
Concen: 40.532 ng
RT: 3.904 min Scan# 139
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



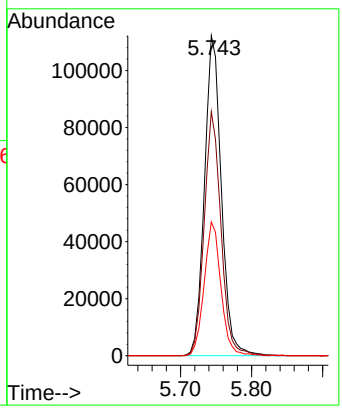


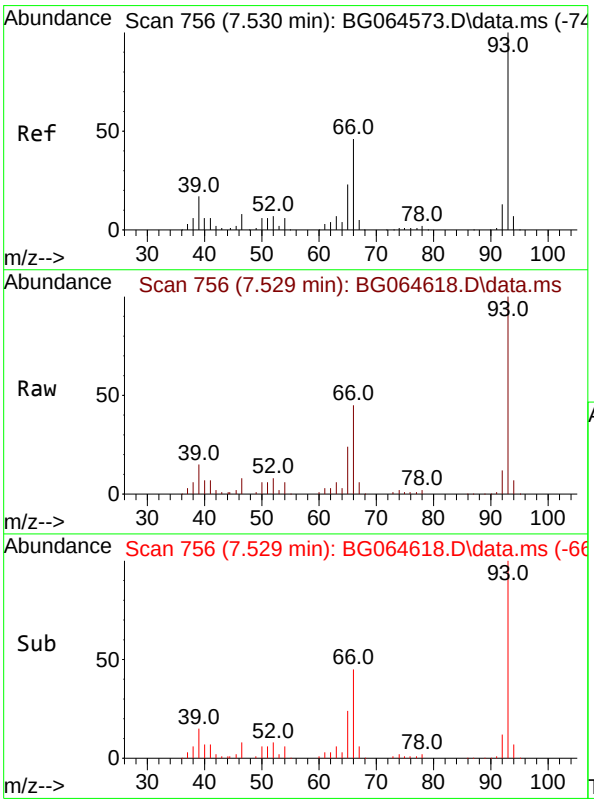
#5
2-Fluorophenol
Concen: 84.991 ng
RT: 5.743 min Scan# 4
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

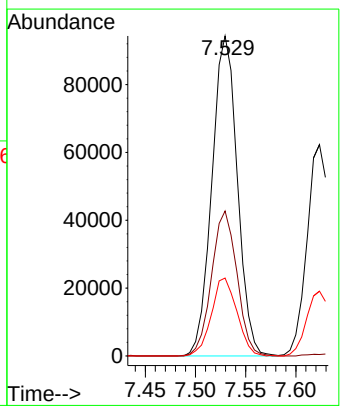


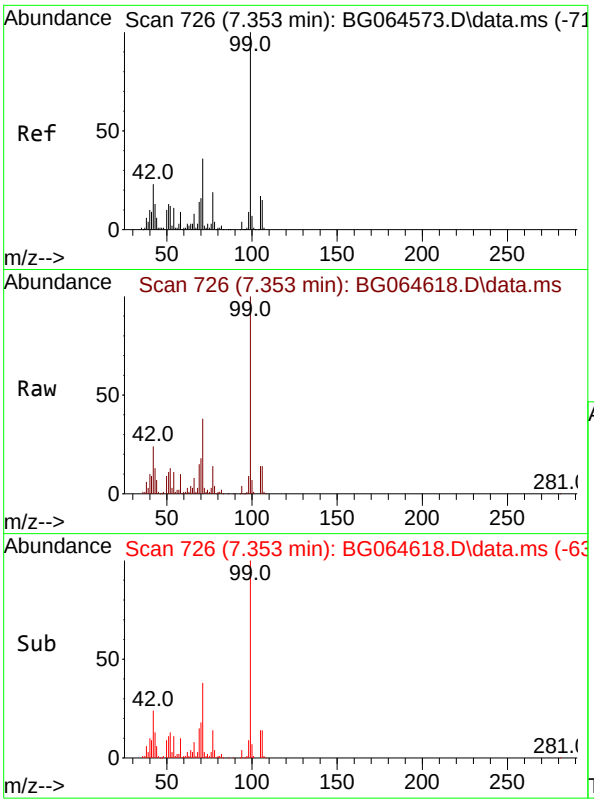


#6
Aniline
Concen: 40.860 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



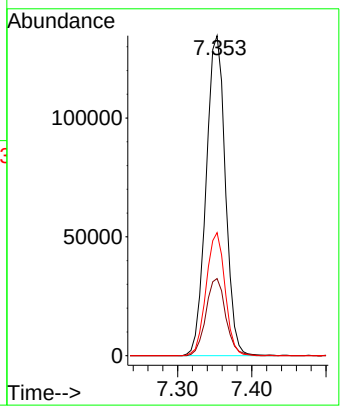


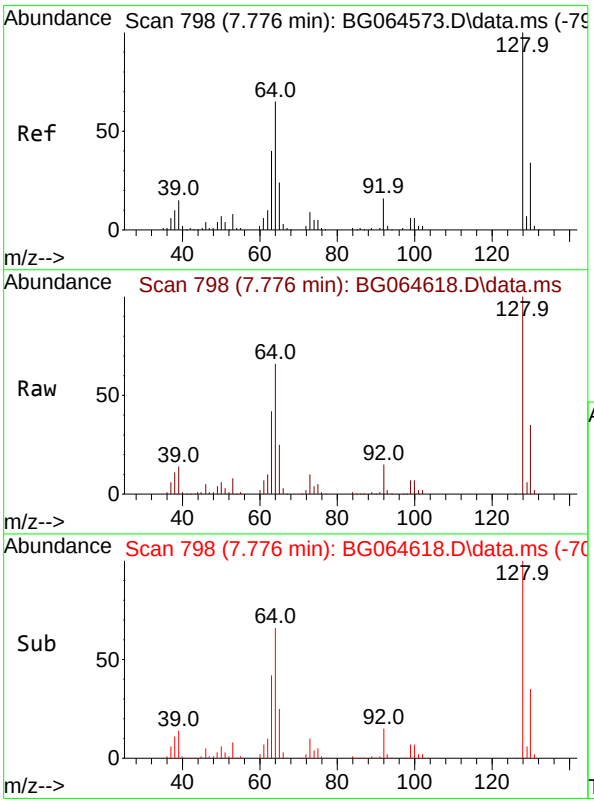
#7
Phenol-d6
Concen: 81.009 ng
RT: 7.353 min Scan# 7
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

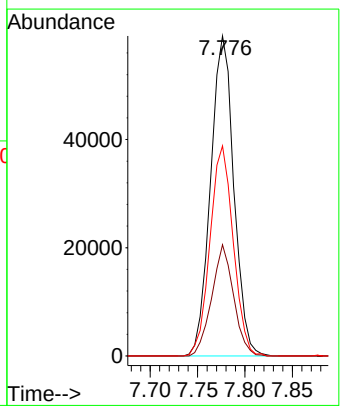


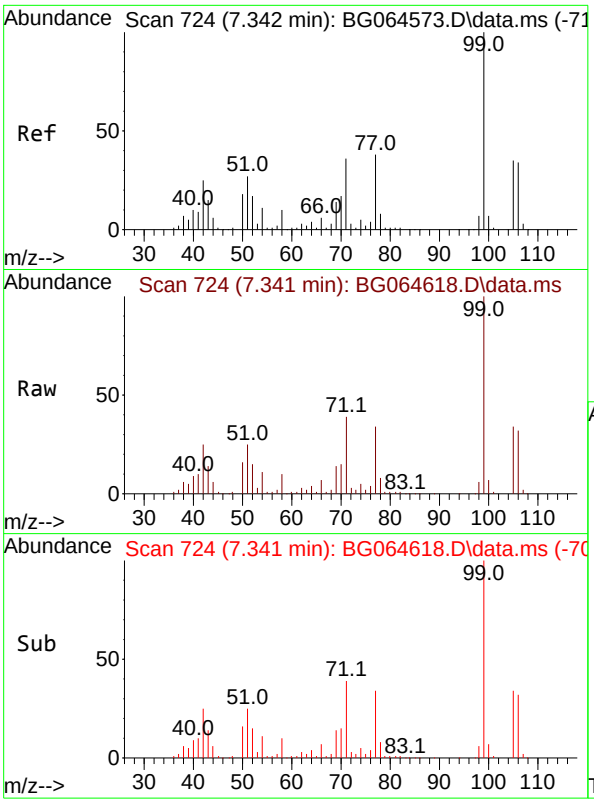


#8
2-Chlorophenol
Concen: 44.170 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



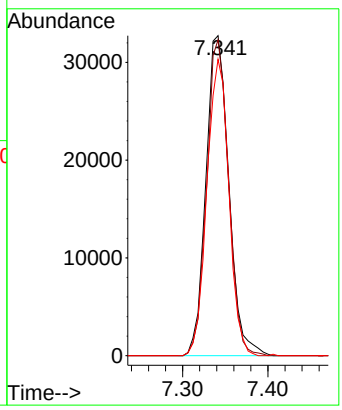


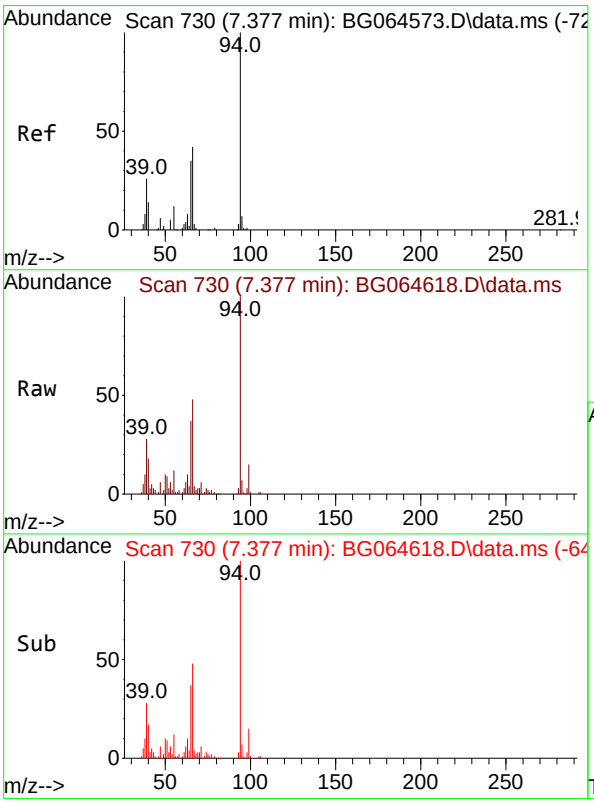
#9
Benzaldehyde
Concen: 37.558 ng
RT: 7.341 min Scan# 7
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

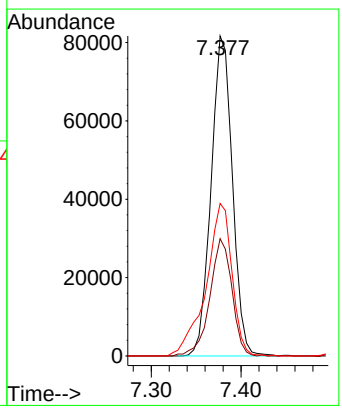


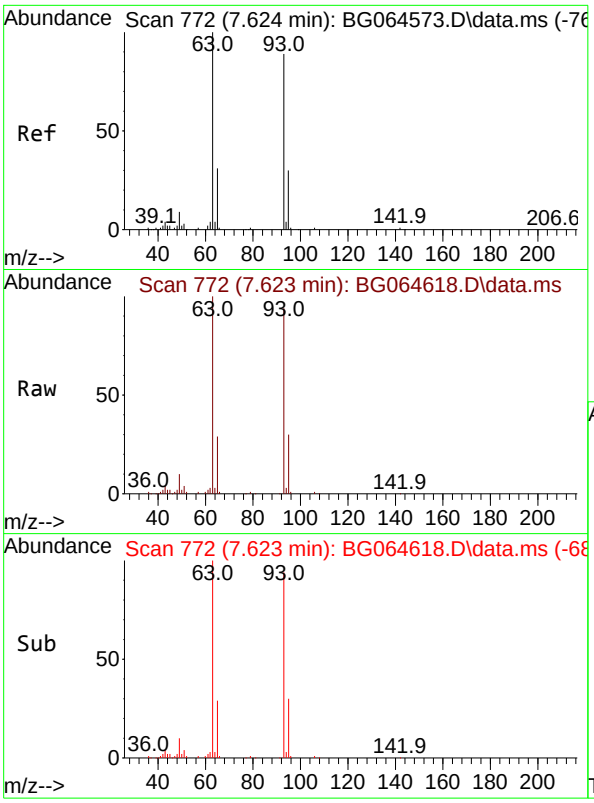


#10
Phenol
Concen: 40.664 ng
RT: 7.377 min Scan# 730
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



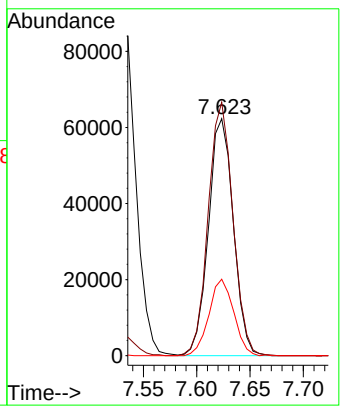


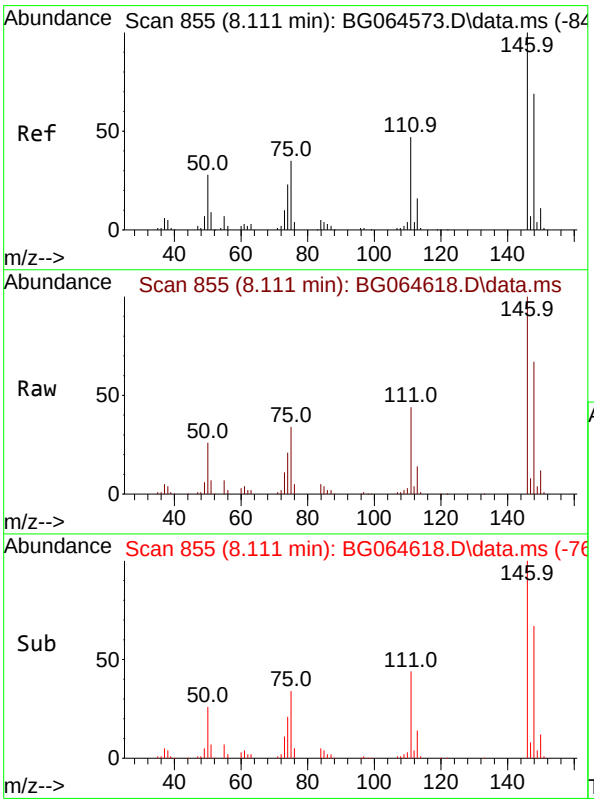
#11
bis(2-Chloroethyl)ether
Concen: 41.589 ng
RT: 7.623 min Scan# 7
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 101216

Ion	Ratio	Lower	Upper
93	100		
63	106.9	91.3	131.3
95	32.3	13.3	53.3

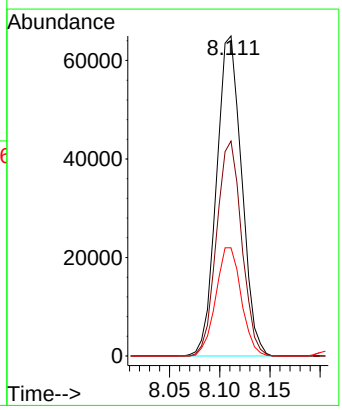


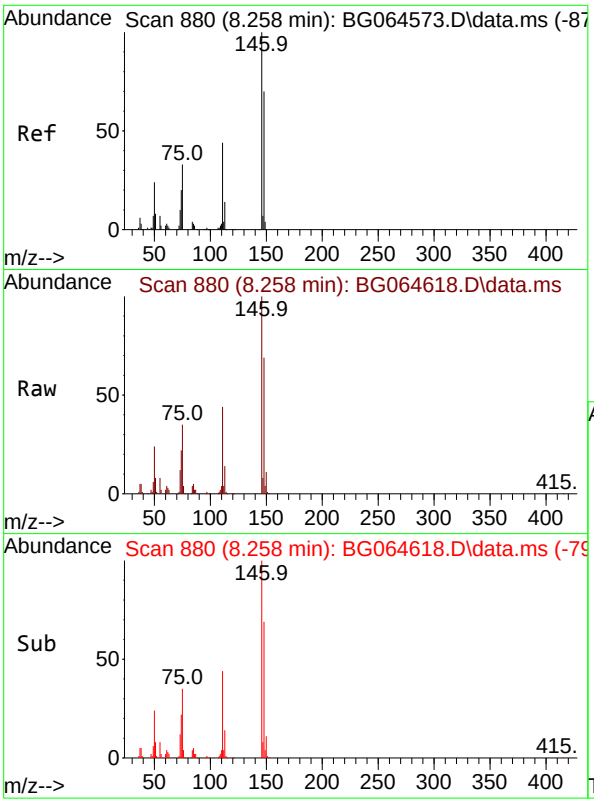


#12
1,3-Dichlorobenzene
Concen: 43.073 ng
RT: 8.111 min Scan# 855
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



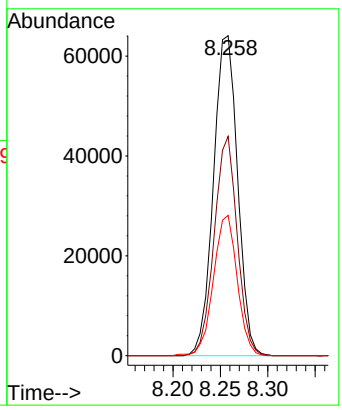


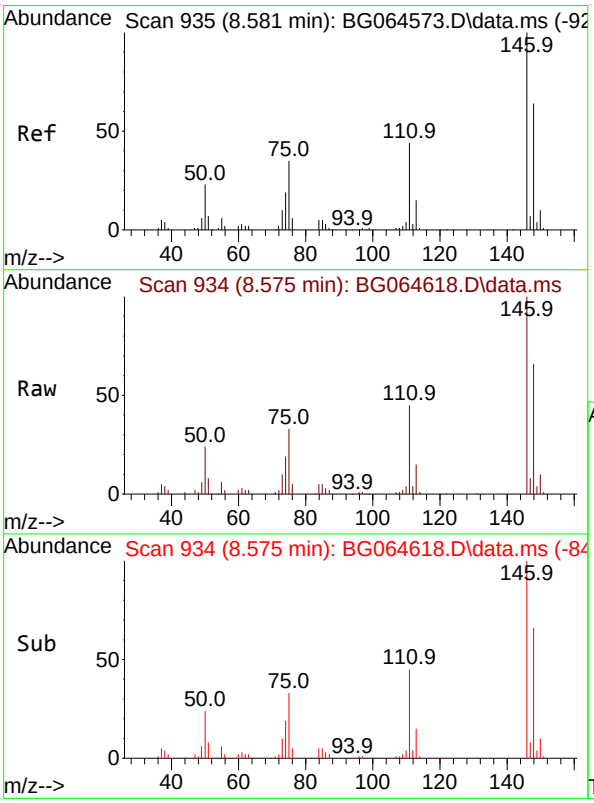
#13
1,4-Dichlorobenzene
Concen: 42.551 ng
RT: 8.258 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

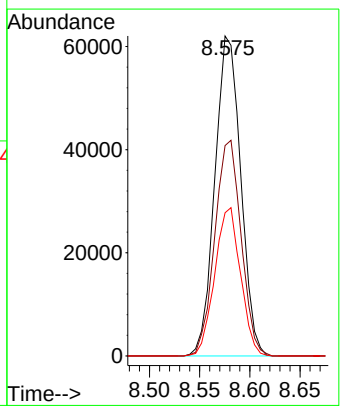


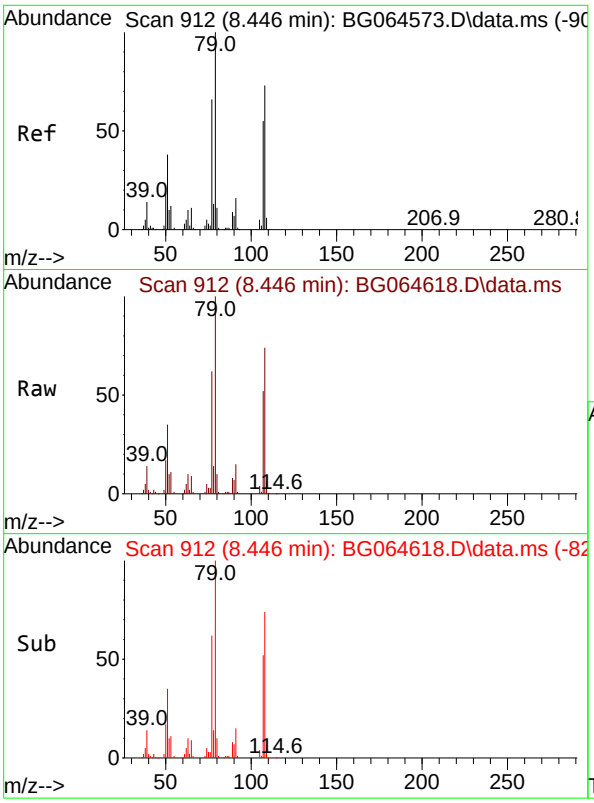


#14
1,2-Dichlorobenzene
Concen: 43.105 ng
RT: 8.575 min Scan# 934
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



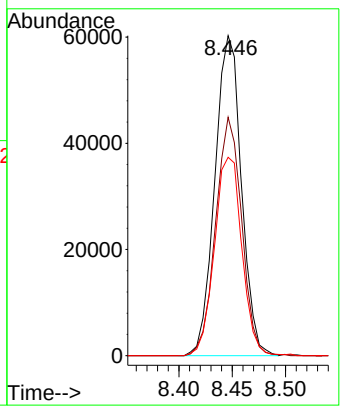


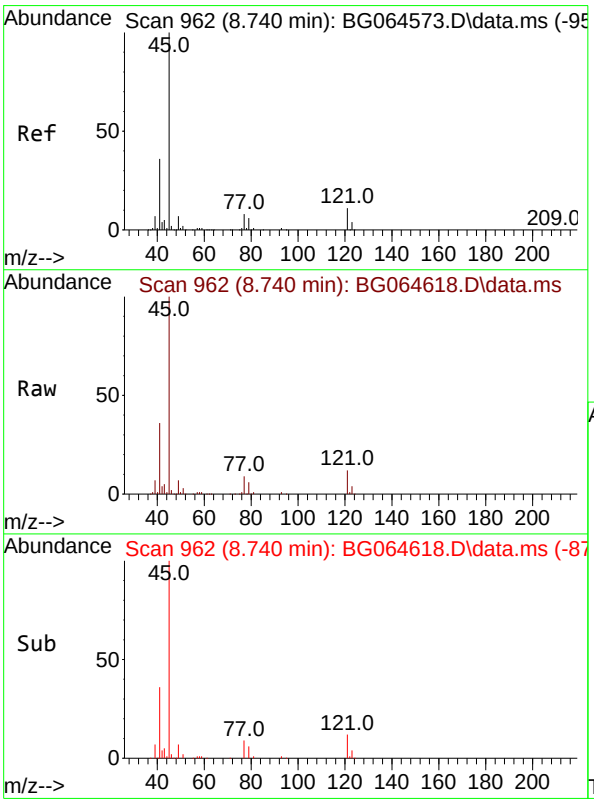
#15
Benzyl Alcohol
Concen: 42.201 ng
RT: 8.446 min Scan# 91
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

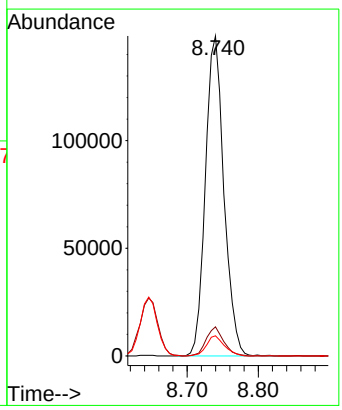


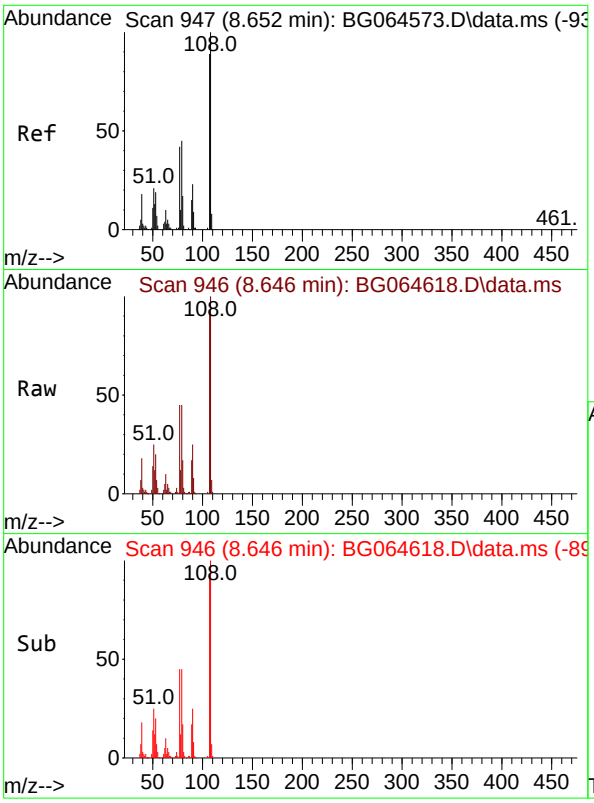


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.138 ng
RT: 8.740 min Scan# 962
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



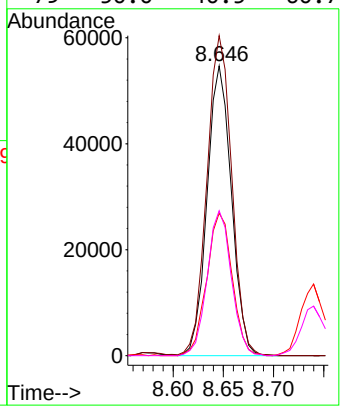


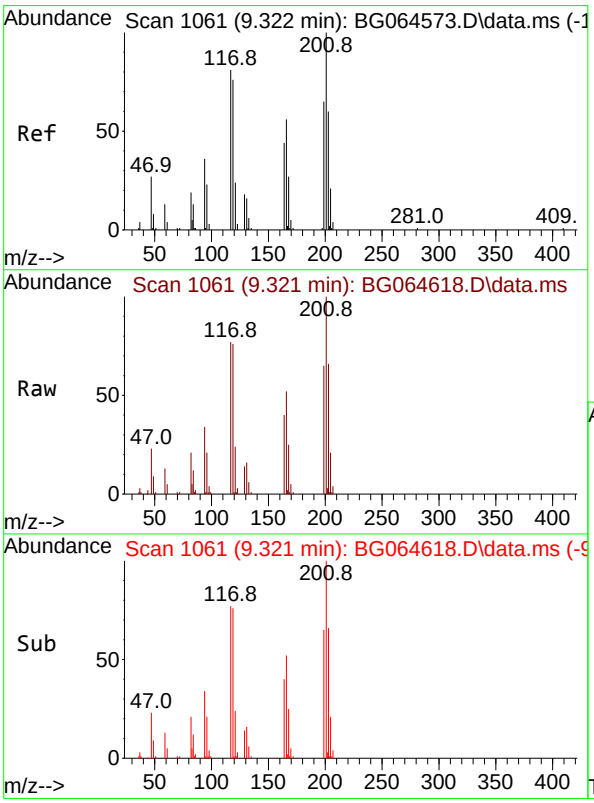
#17
2-Methylphenol
Concen: 42.028 ng
RT: 8.646 min Scan# 94
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 92368

Ion	Ratio	Lower	Upper
107	100		
108	110.4	90.0	135.0
77	49.2	37.8	56.8
79	50.0	40.5	60.7

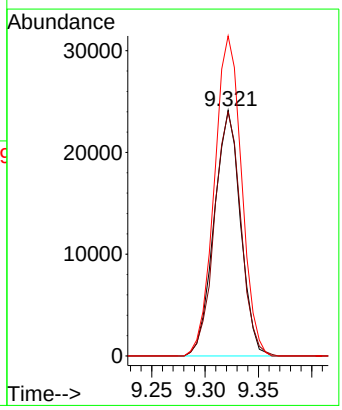


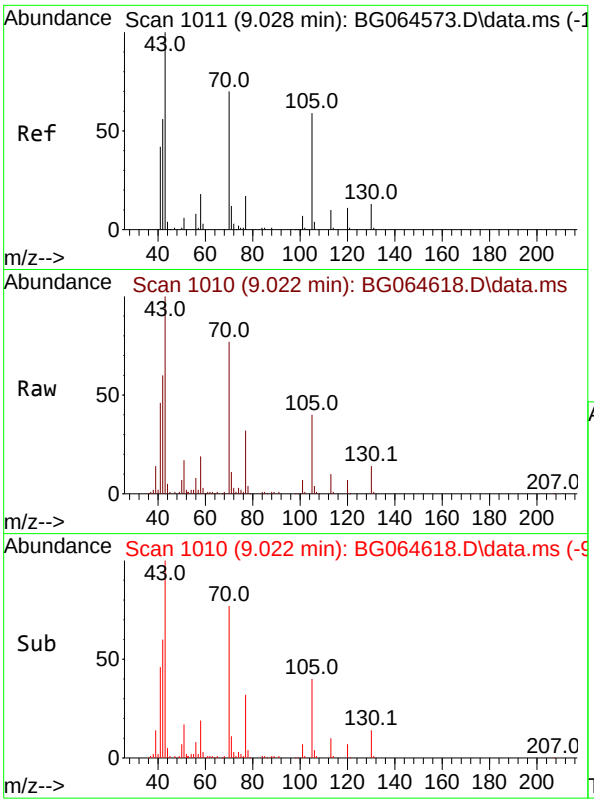


#18
Hexachloroethane
Concen: 44.282 ng
RT: 9.321 min Scan# 1061
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



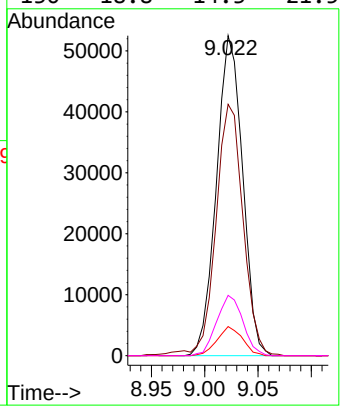


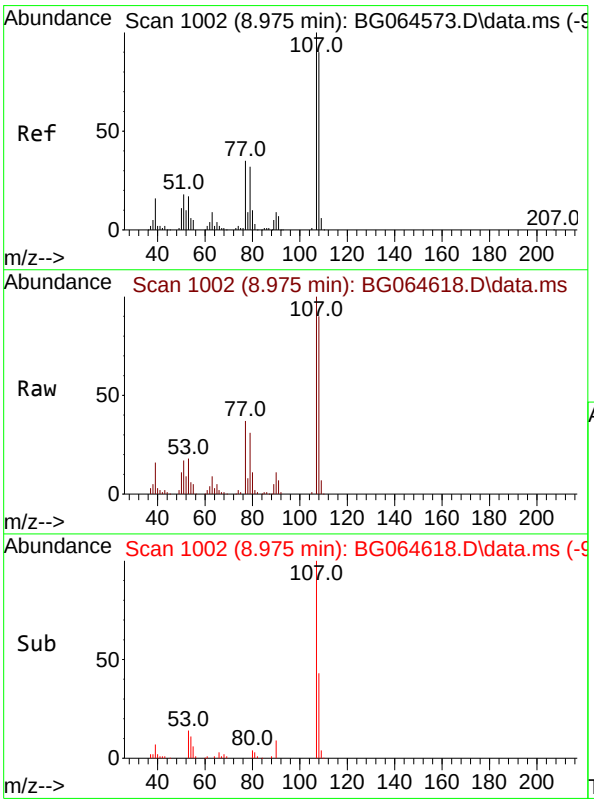
#19
n-Nitroso-di-n-propylamine
Concen: 43.275 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

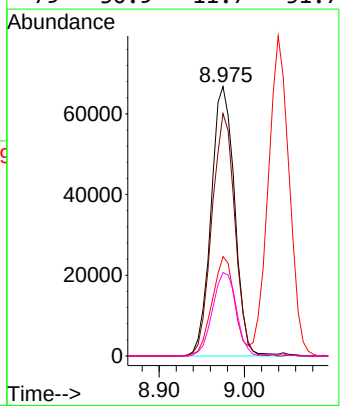


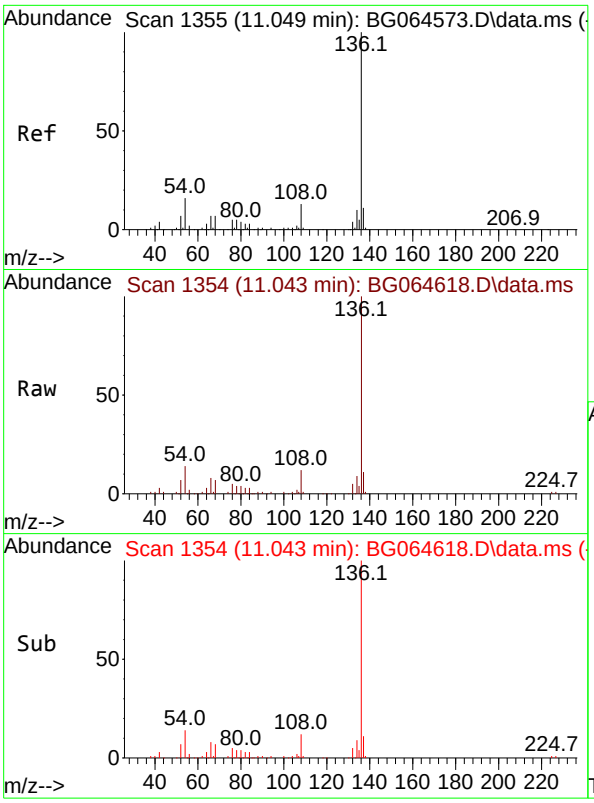


#20
3+4-Methylphenols
Concen: 41.279 ng
RT: 8.975 min Scan# 1002
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



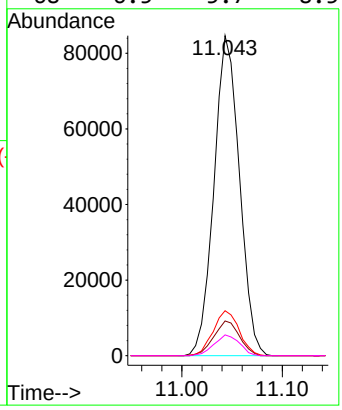


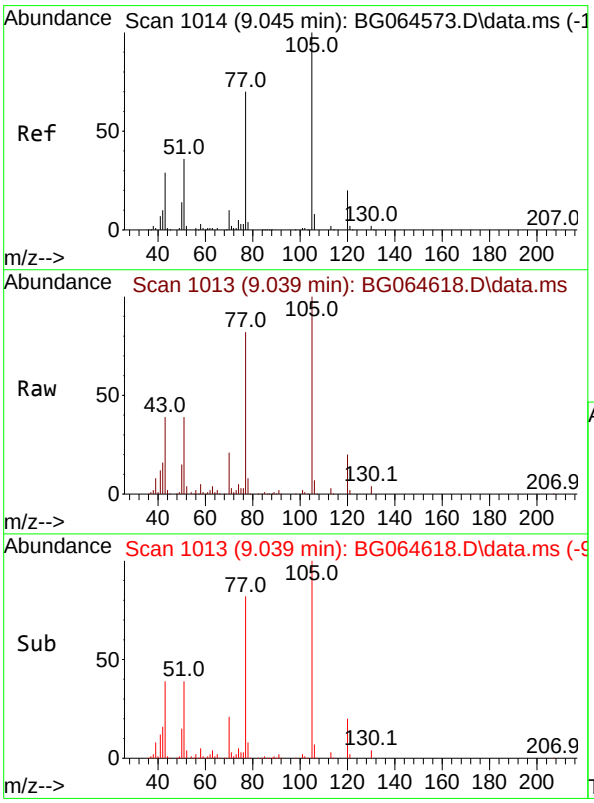
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

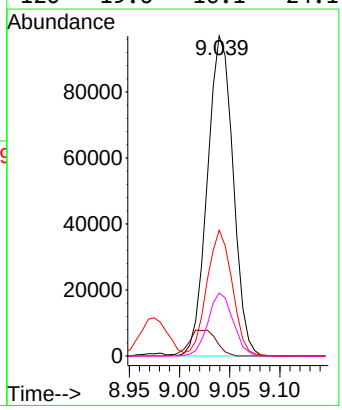


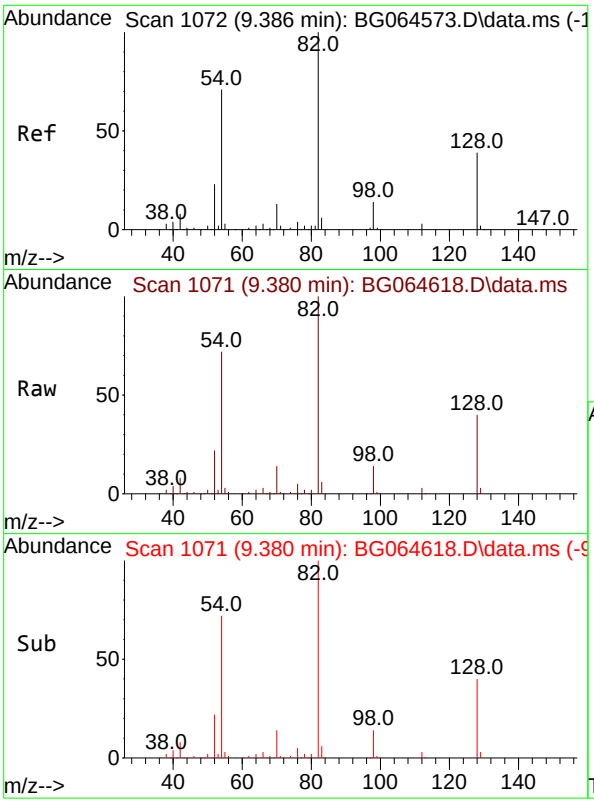


#22
Acetophenone
Concen: 42.523 ng
RT: 9.039 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



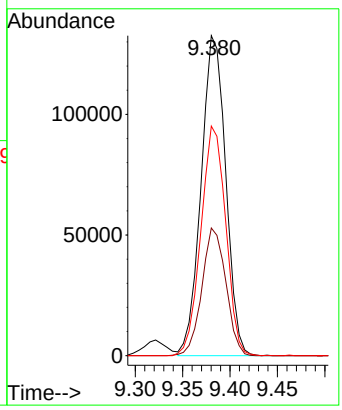


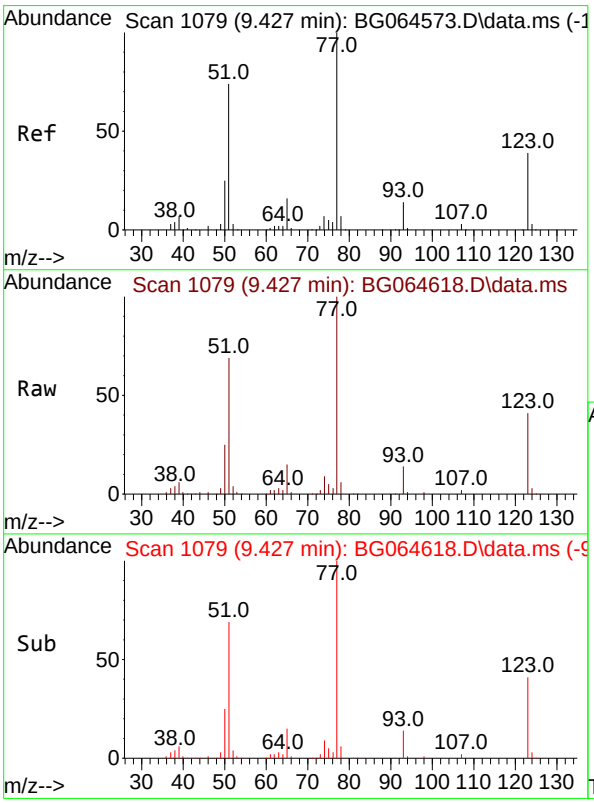
#23
Nitrobenzene-d5
Concen: 96.333 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

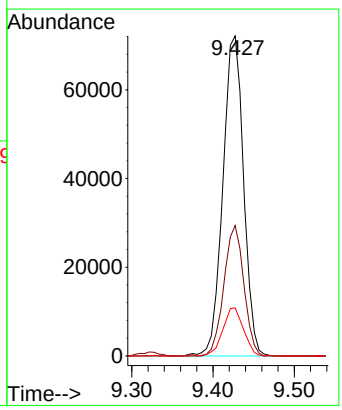


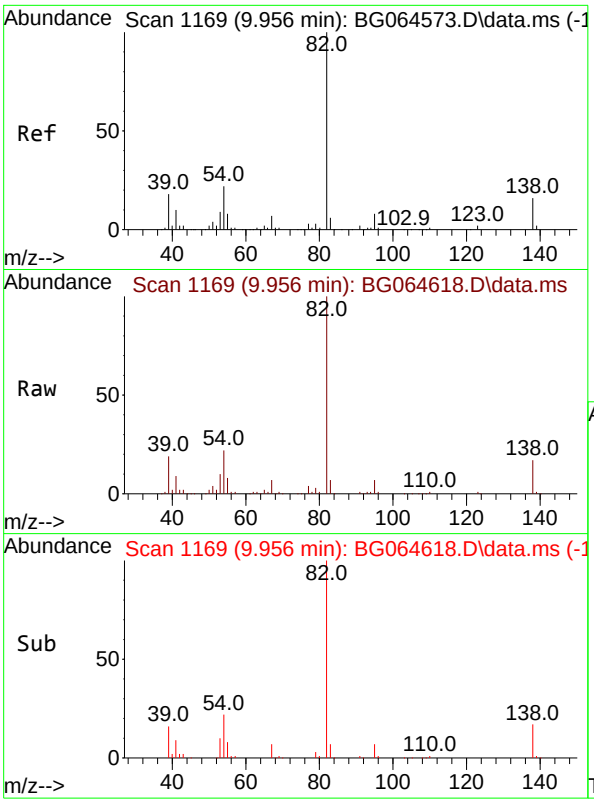


#24
Nitrobenzene
Concen: 47.355 ng
RT: 9.427 min Scan# 1079
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



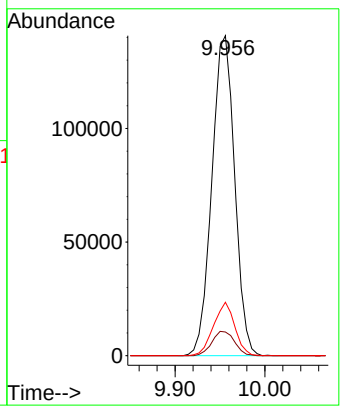


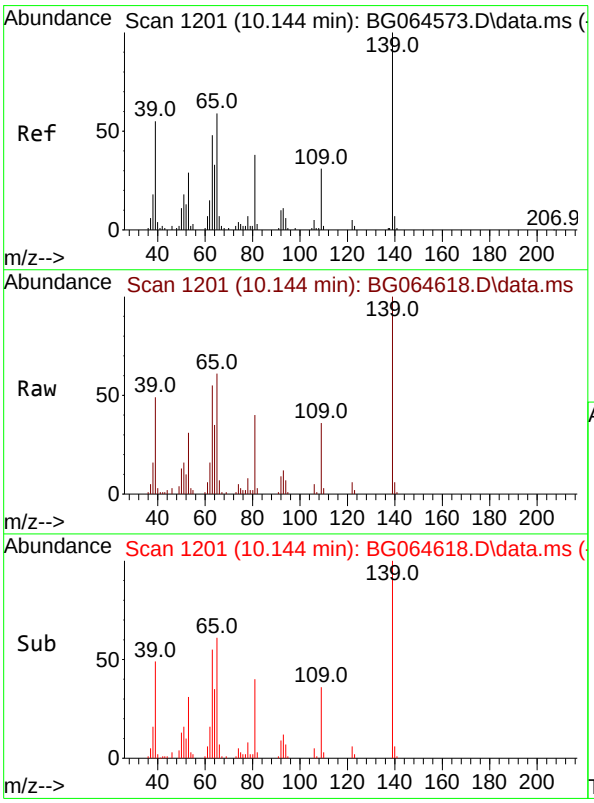
#25
Isophorone
Concen: 41.695 ng
RT: 9.956 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

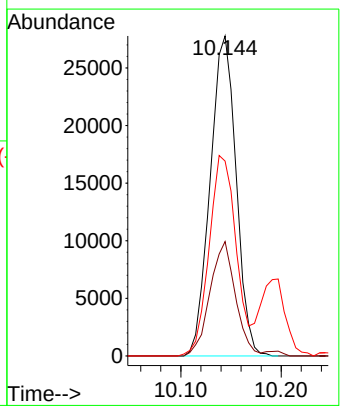


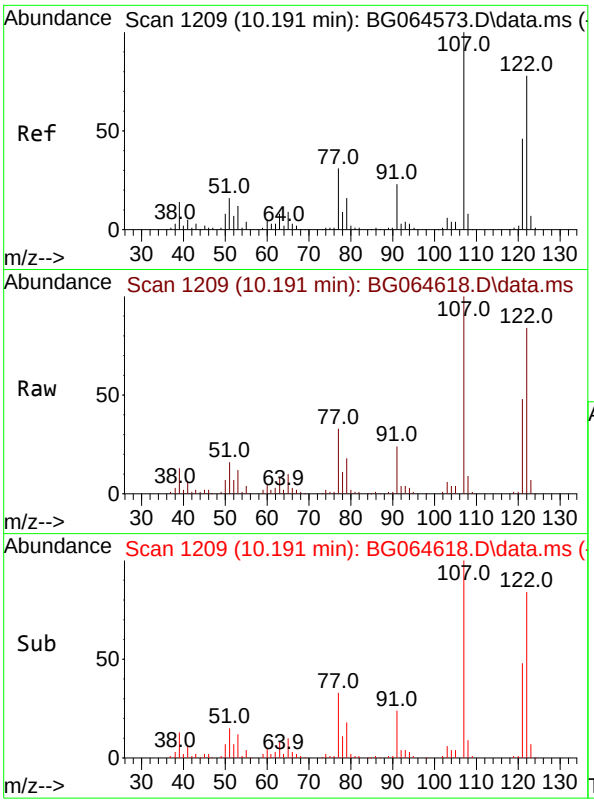


#26
2-Nitrophenol
Concen: 47.979 ng
RT: 10.144 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



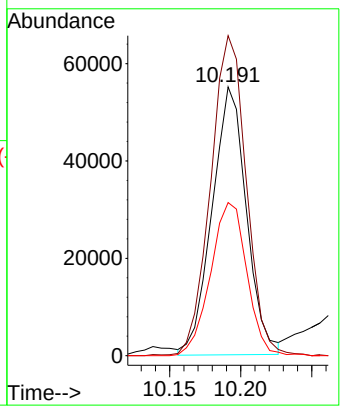


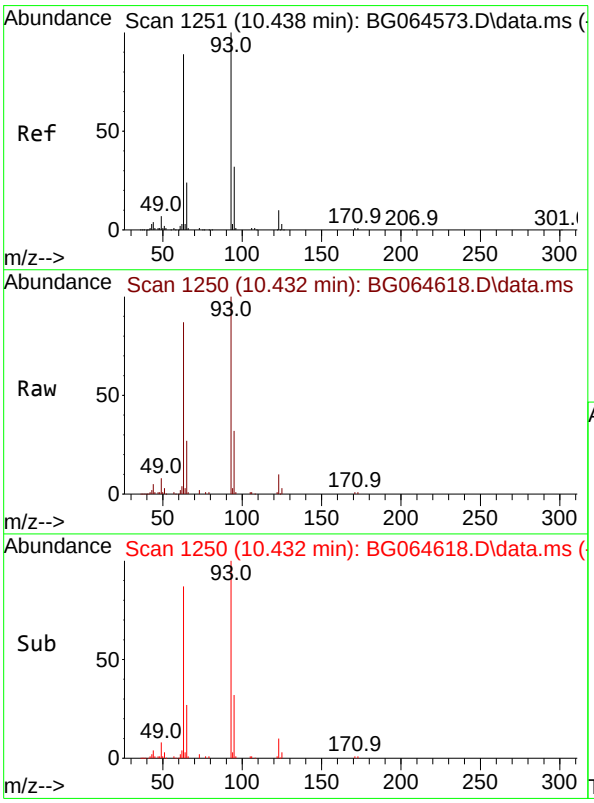
#27
2,4-Dimethylphenol
Concen: 41.823 ng
RT: 10.191 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

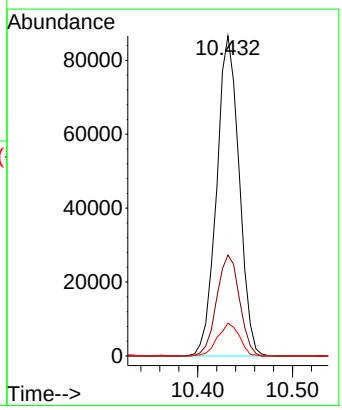


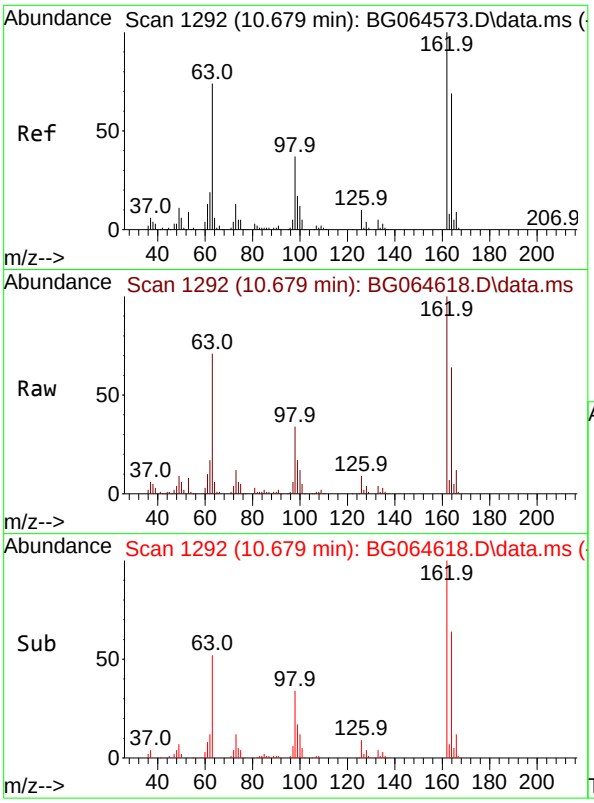


#28
bis(2-Chloroethoxy)methane
Concen: 42.170 ng
RT: 10.432 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



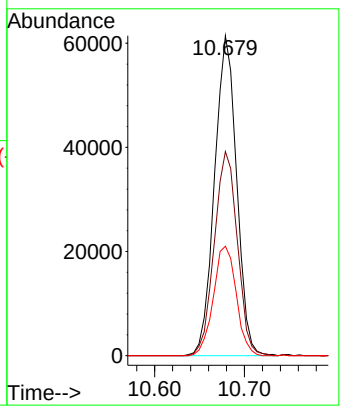


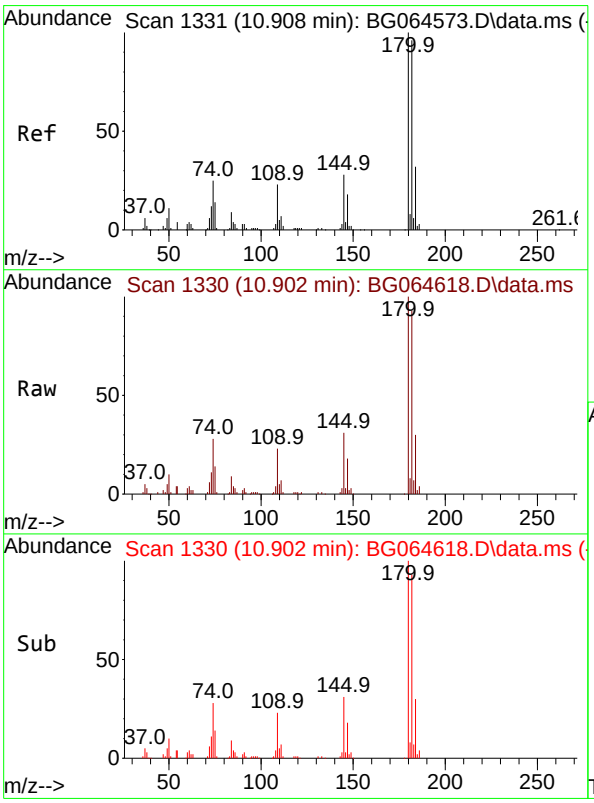
#29
2,4-Dichlorophenol
Concen: 44.058 ng
RT: 10.679 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

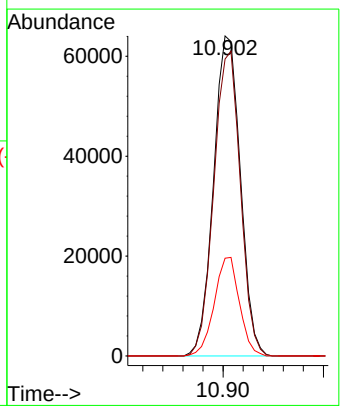


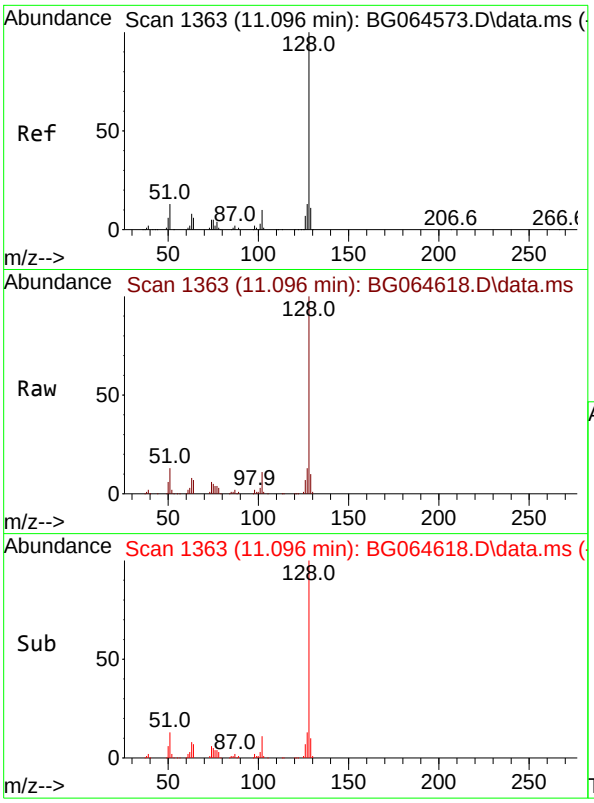


#30
1,2,4-Trichlorobenzene
Concen: 43.927 ng
RT: 10.902 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



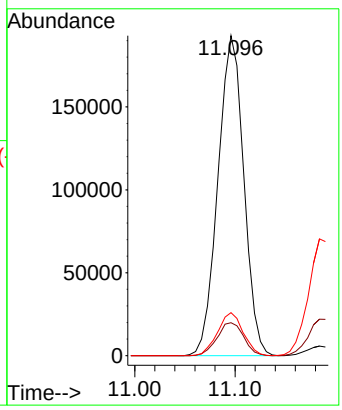


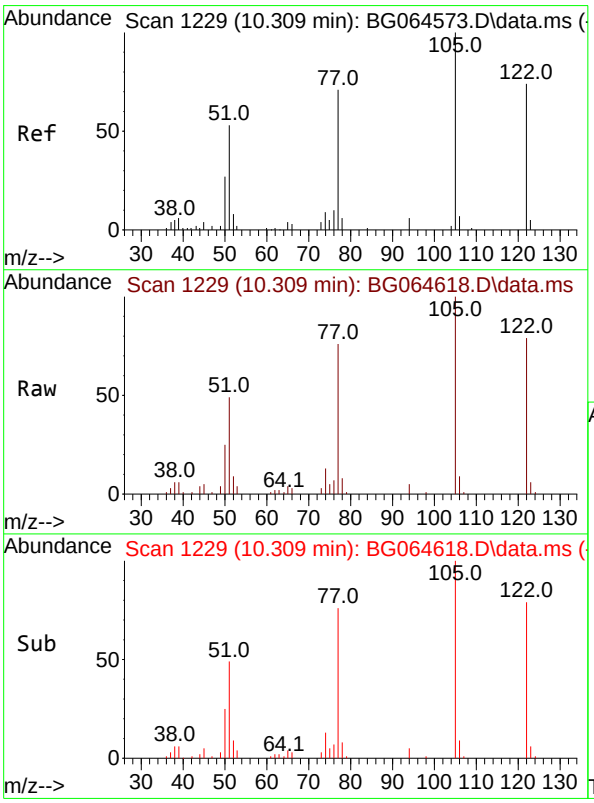
#31
Naphthalene
Concen: 41.819 ng
RT: 11.096 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

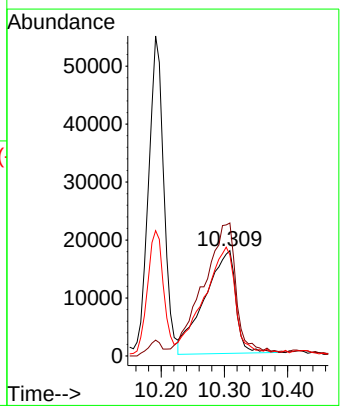


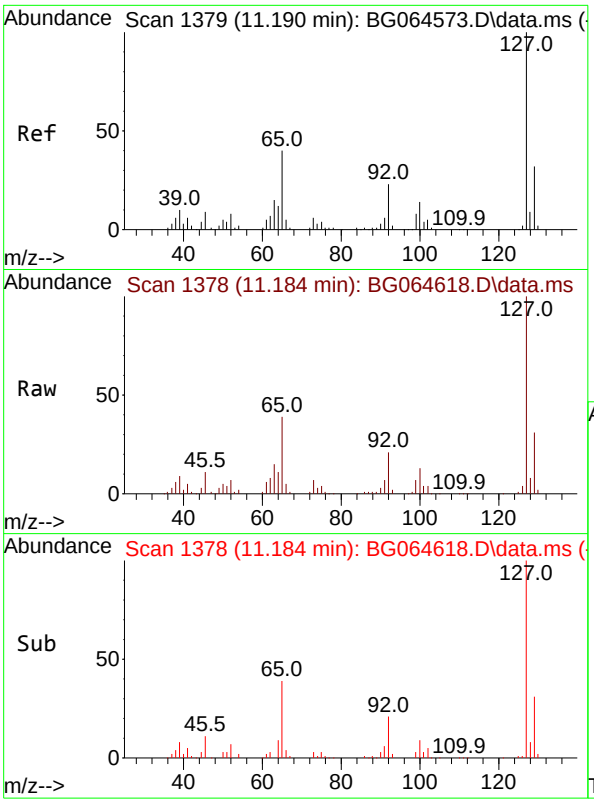


#32
Benzoic acid
Concen: 37.459 ng
RT: 10.309 min Scan# 1229
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



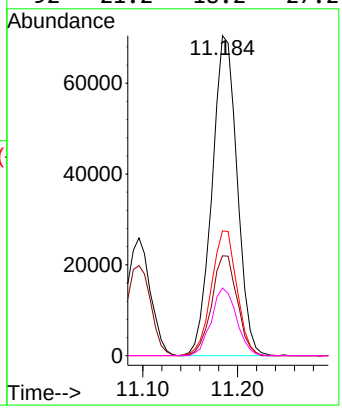


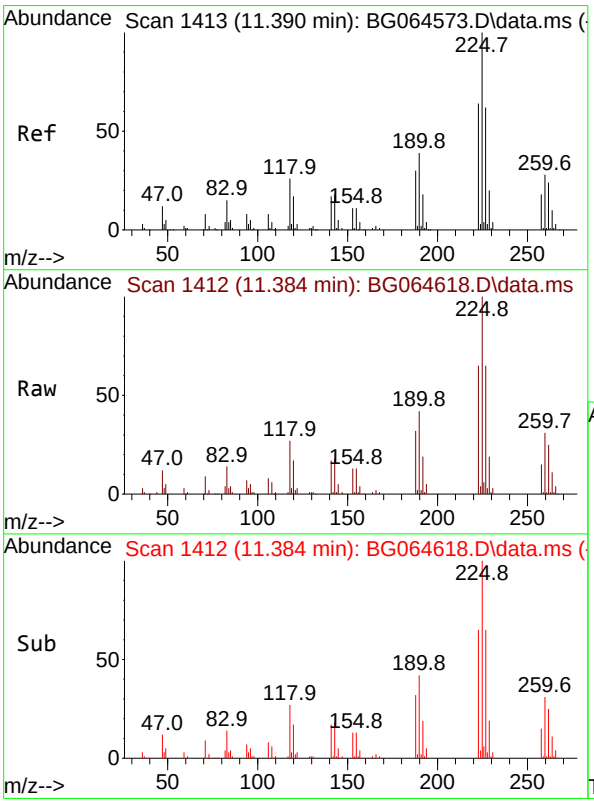
#33
4-Chloroaniline
Concen: 40.373 ng
RT: 11.184 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

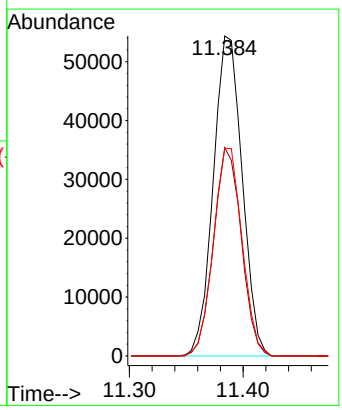


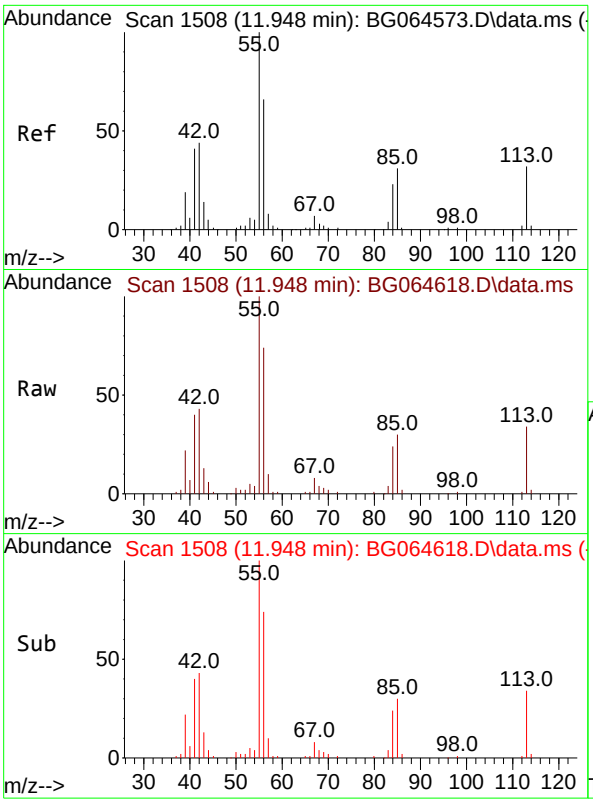


#34
Hexachlorobutadiene
Concen: 45.306 ng
RT: 11.384 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



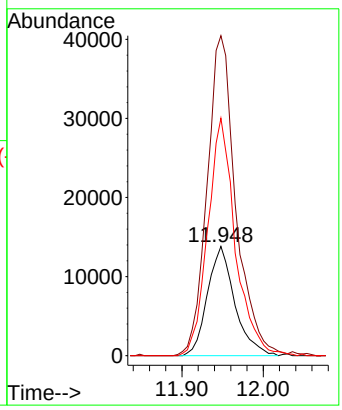


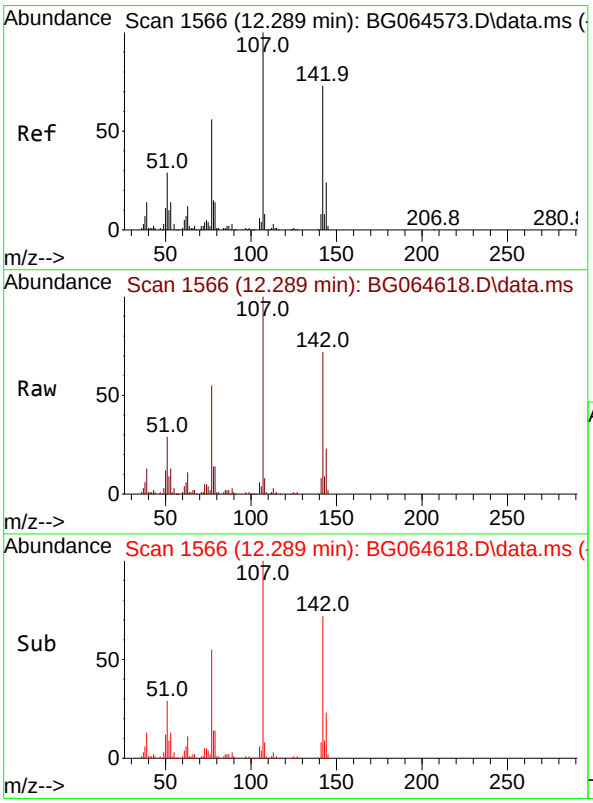
#35
Caprolactam
Concen: 35.362 ng
RT: 11.948 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

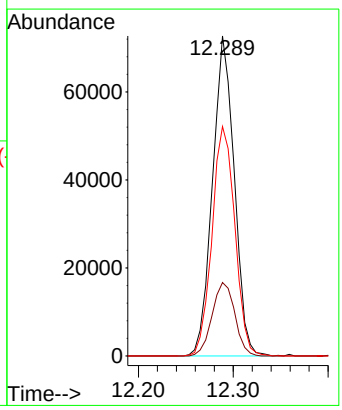


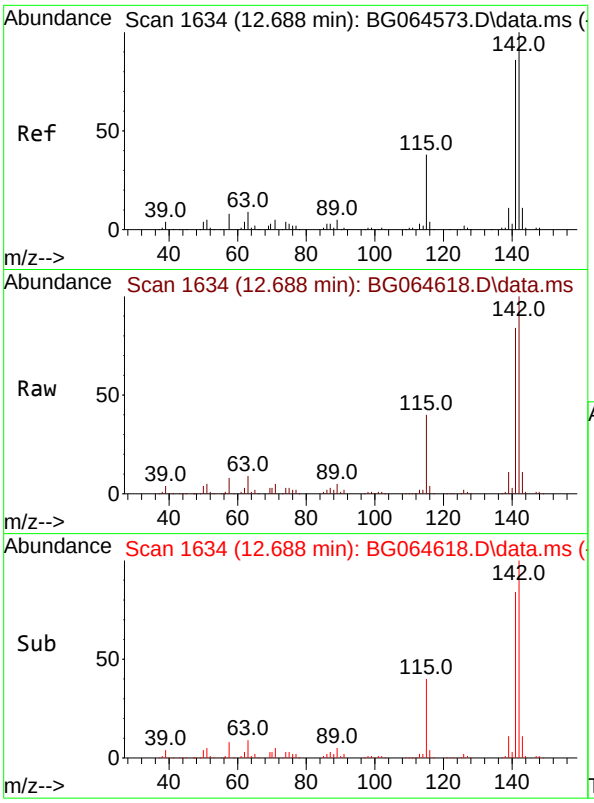


#36
4-Chloro-3-methylphenol
Concen: 40.462 ng
RT: 12.289 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



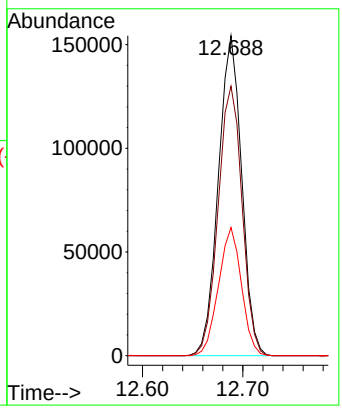


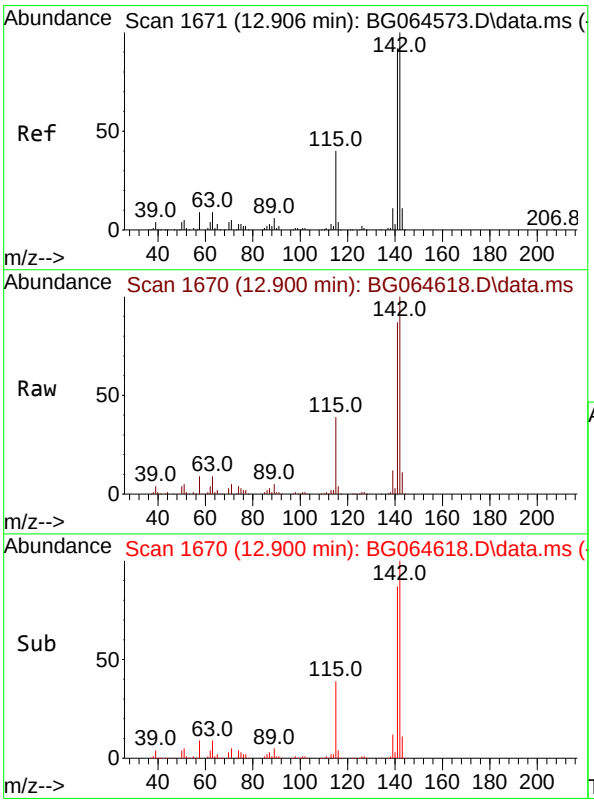
#37
2-Methylnaphthalene
Concen: 41.085 ng
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

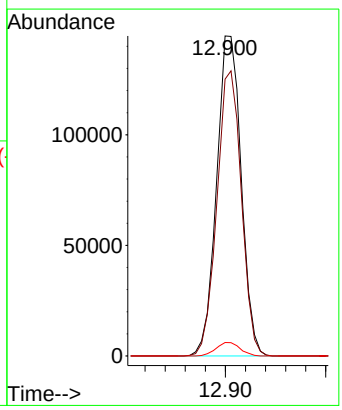


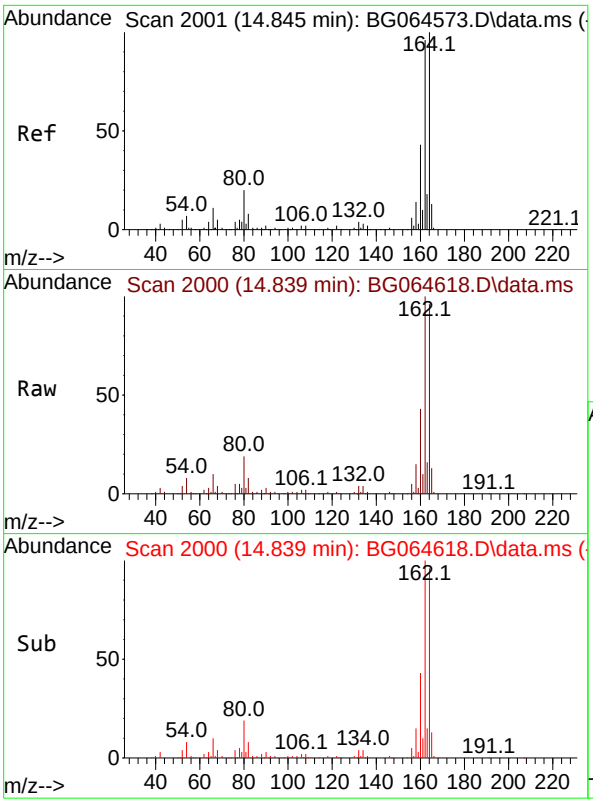


#38
1-Methylnaphthalene
Concen: 40.940 ng
RT: 12.900 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



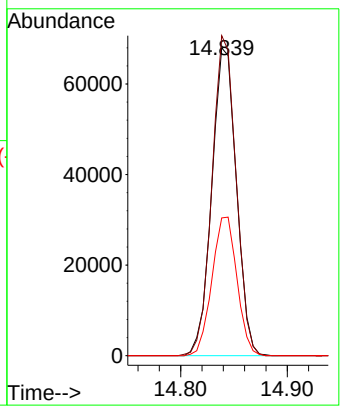


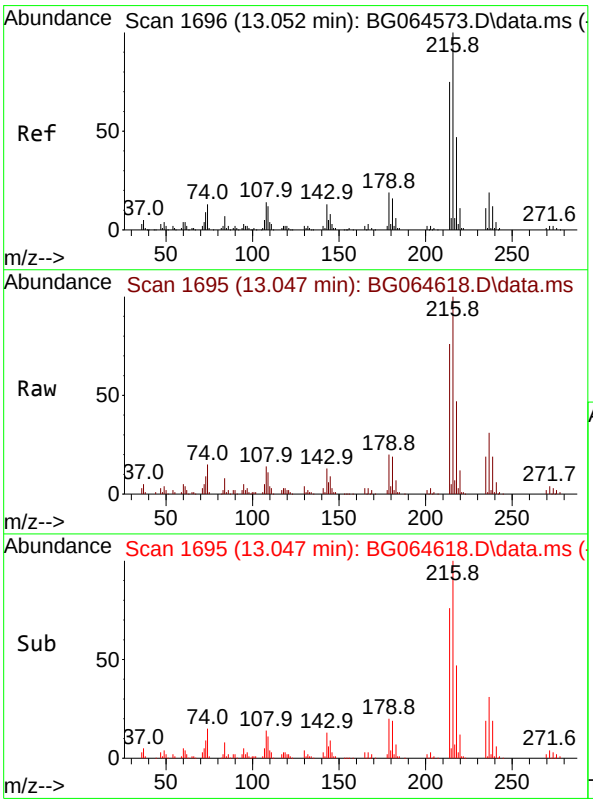
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

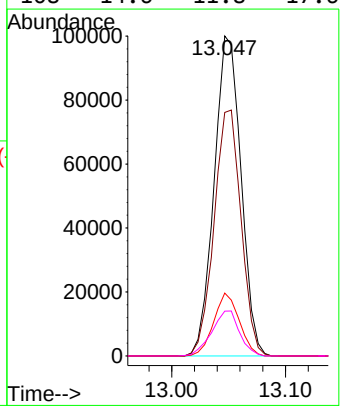


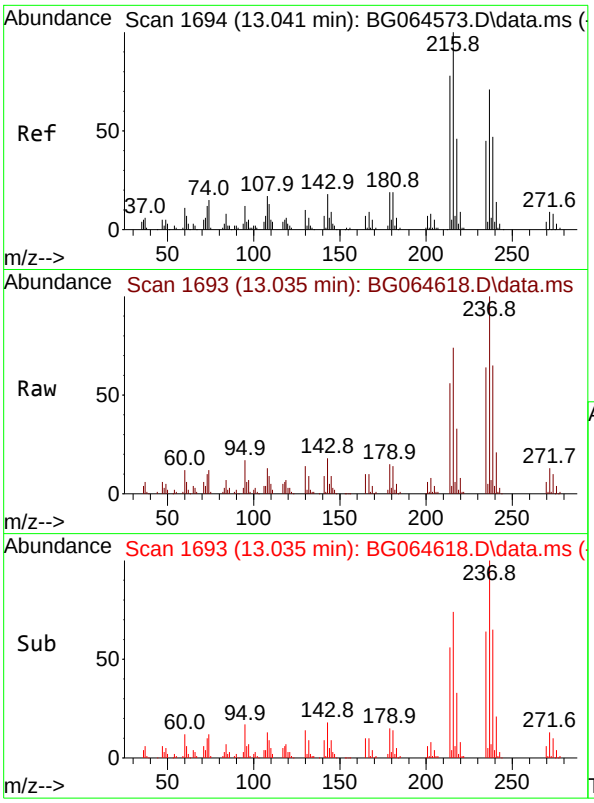


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.962 ng
RT: 13.047 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



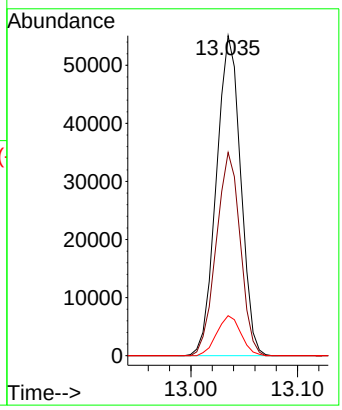


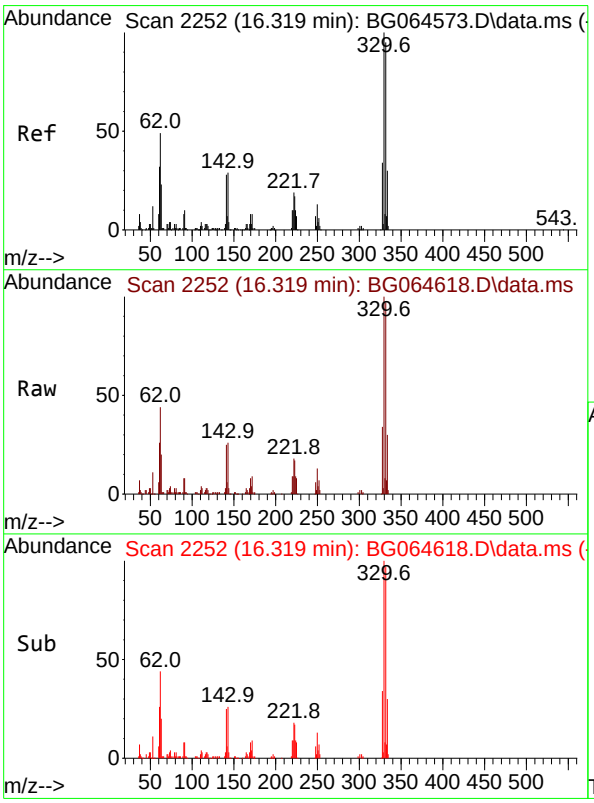
#41
Hexachlorocyclopentadiene
Concen: 52.985 ng
RT: 13.035 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

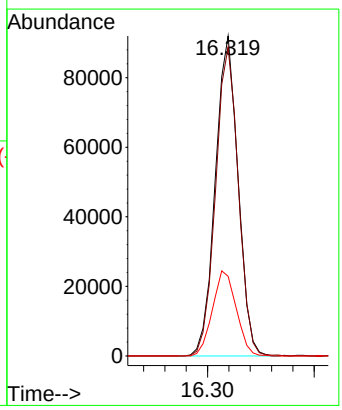


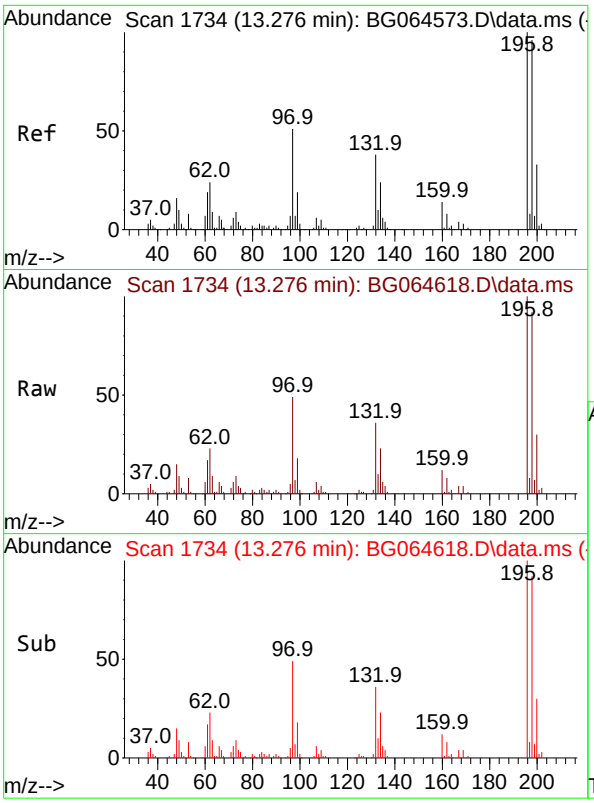


#42
2,4,6-Tribromophenol
Concen: 86.403 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



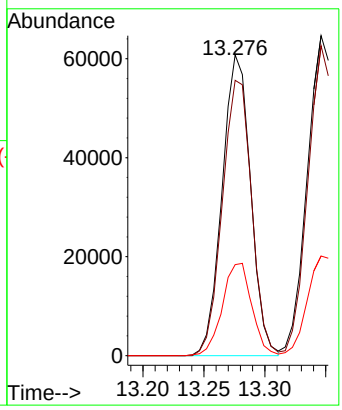


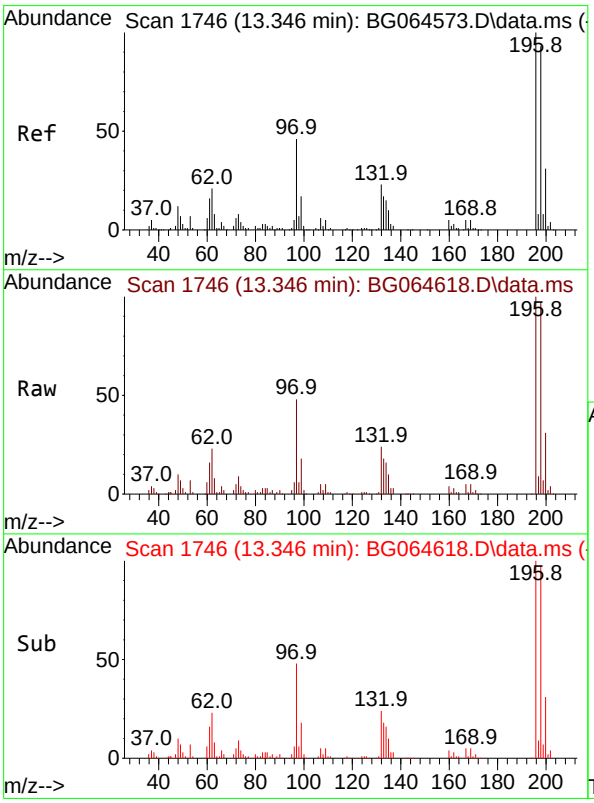
#43
2,4,6-Trichlorophenol
Concen: 47.391 ng
RT: 13.276 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

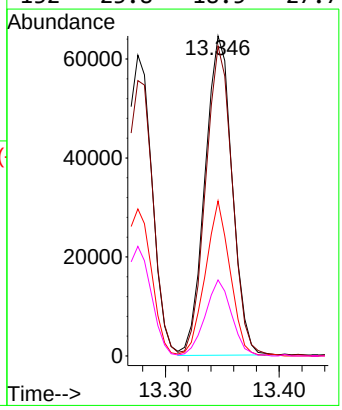


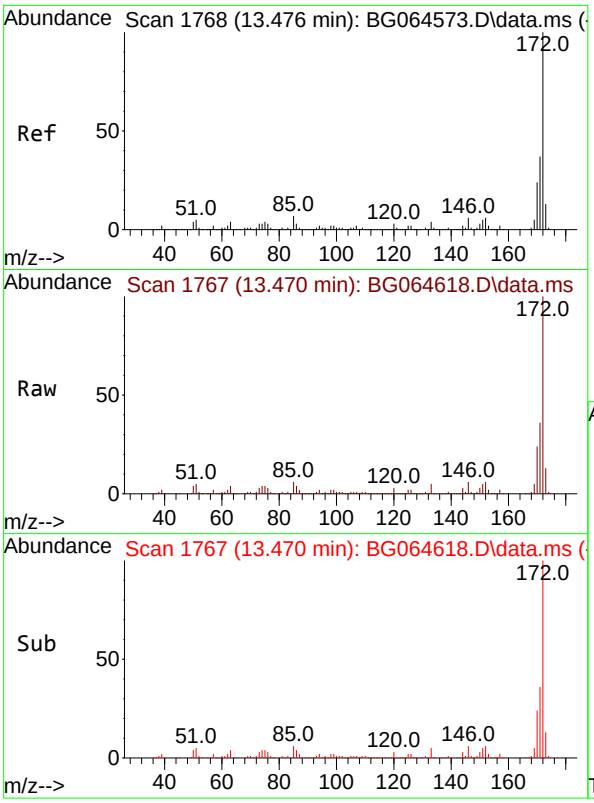


#44
2,4,5-Trichlorophenol
Concen: 44.415 ng
RT: 13.346 min Scan# 1746
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



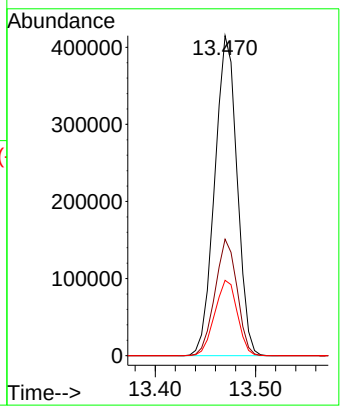


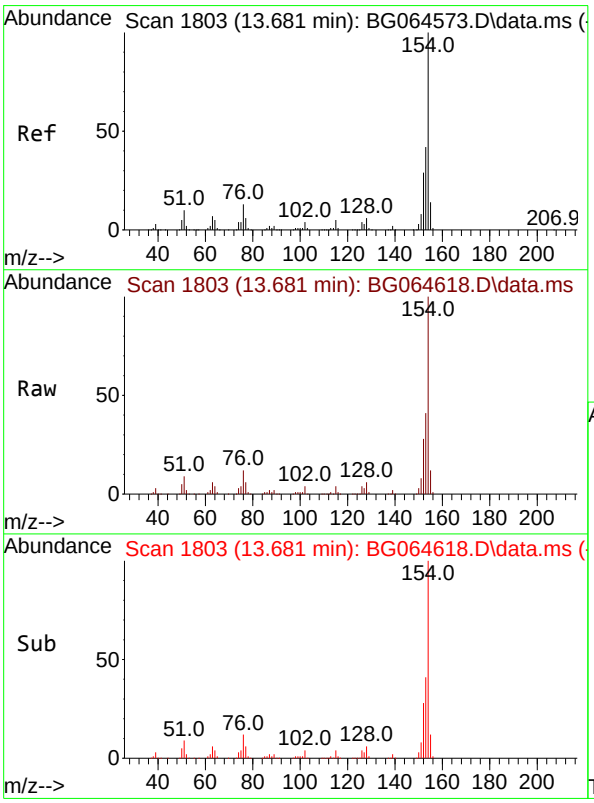
#45
2-Fluorobiphenyl
Concen: 89.318 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

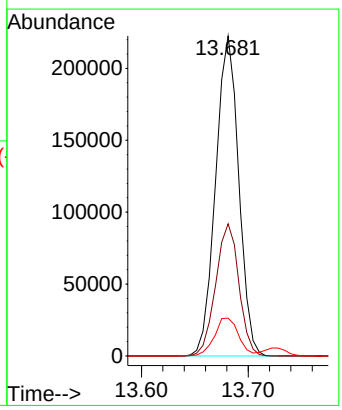


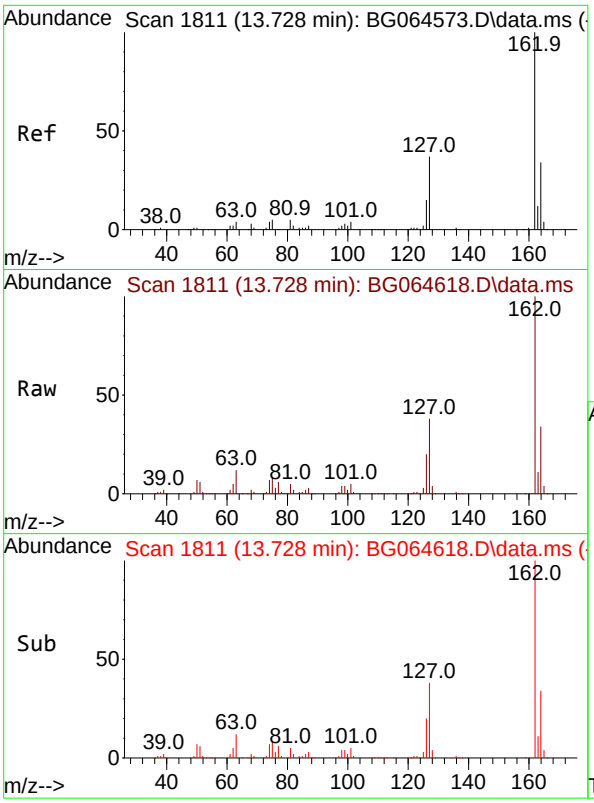


#46
1,1'-Biphenyl
Concen: 43.180 ng
RT: 13.681 min Scan# 1803
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



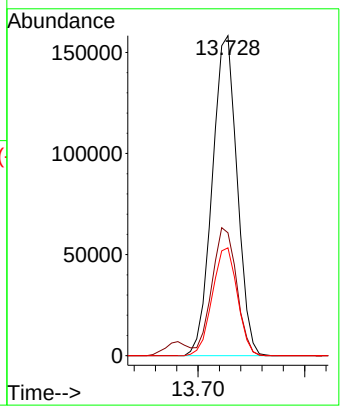


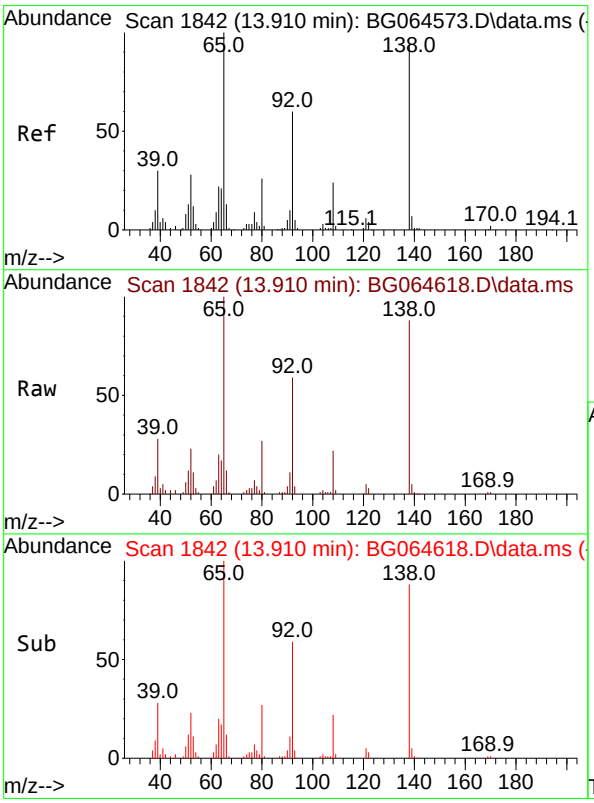
#47
2-Chloronaphthalene
Concen: 43.804 ng
RT: 13.728 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

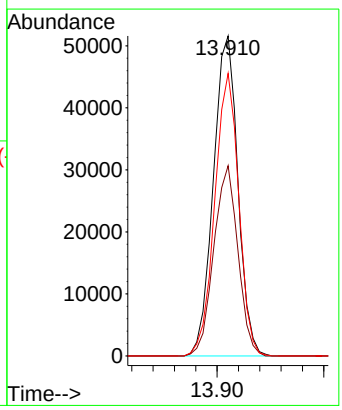


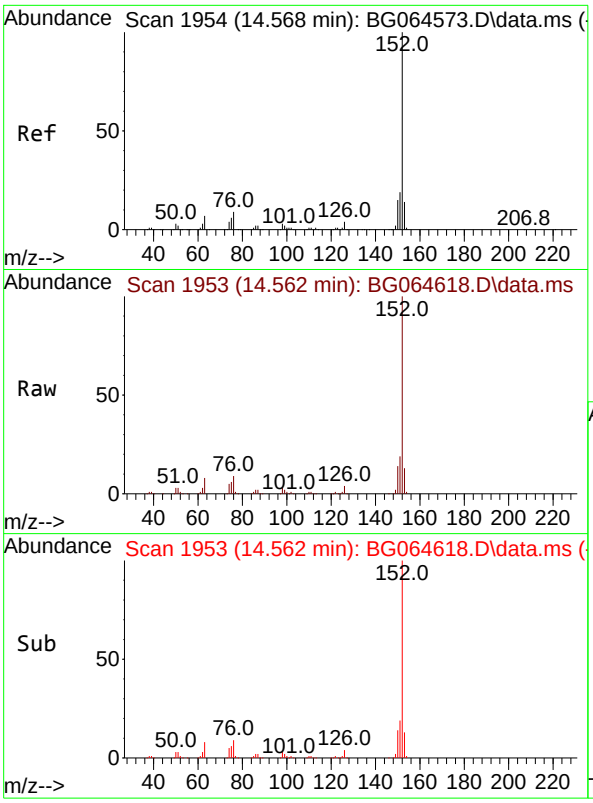


#48
2-Nitroaniline
Concen: 42.351 ng
RT: 13.910 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



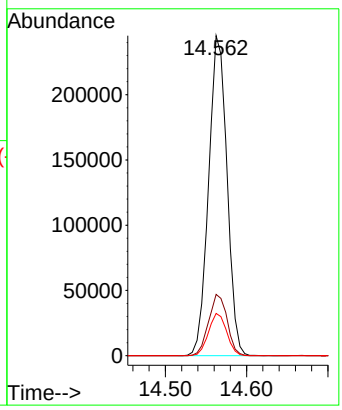


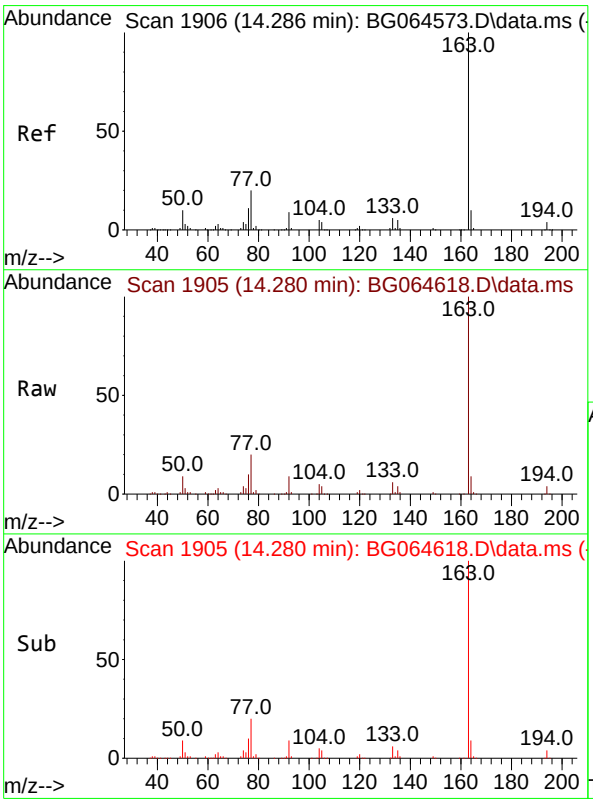
#49
Acenaphthylene
Concen: 41.830 ng
RT: 14.562 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

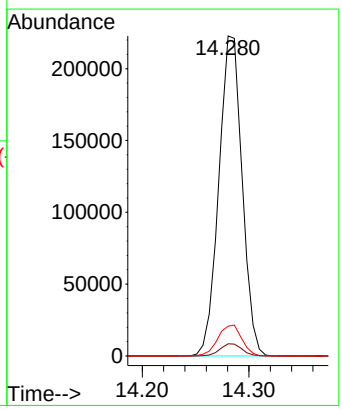


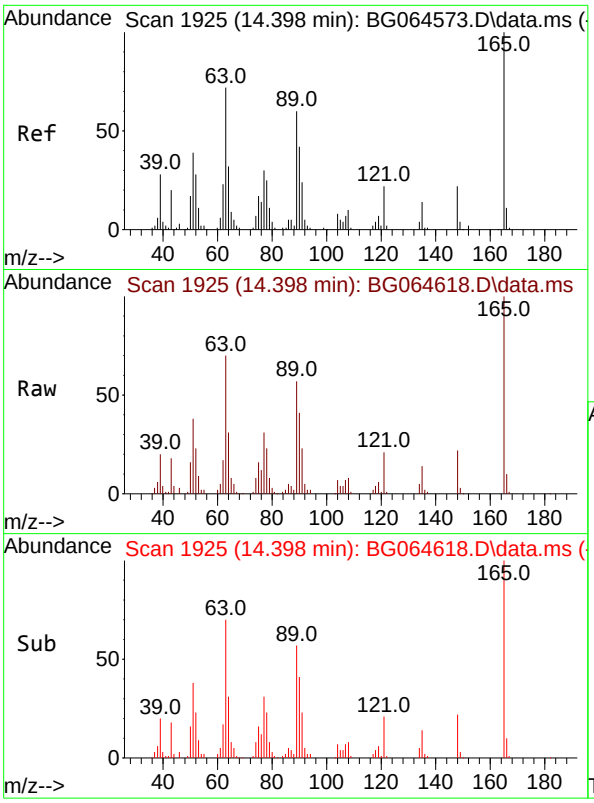


#50
Dimethylphthalate
Concen: 40.572 ng
RT: 14.280 min Scan# 1905
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



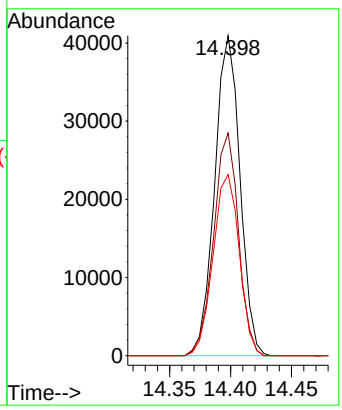


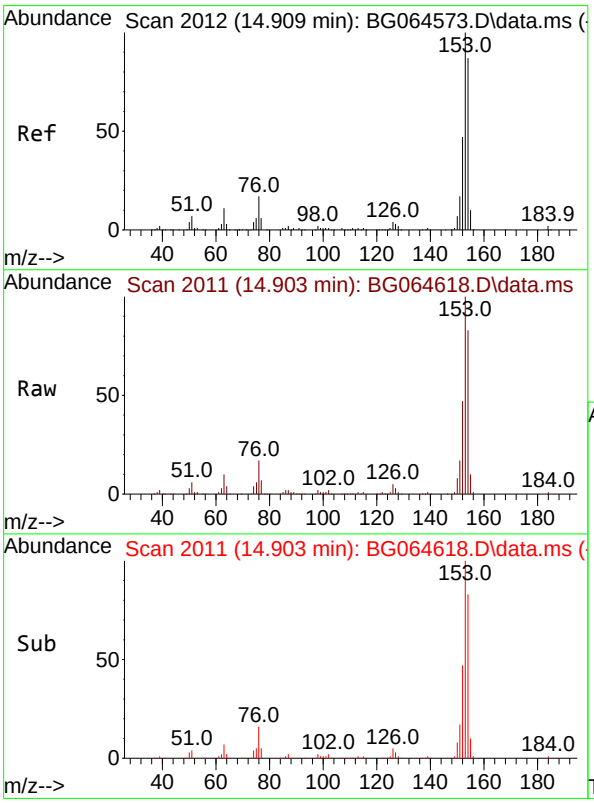
#51
2,6-Dinitrotoluene
Concen: 43.351 ng
RT: 14.398 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

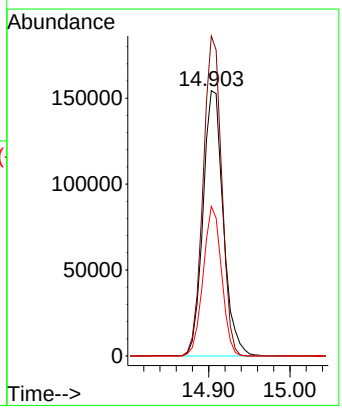


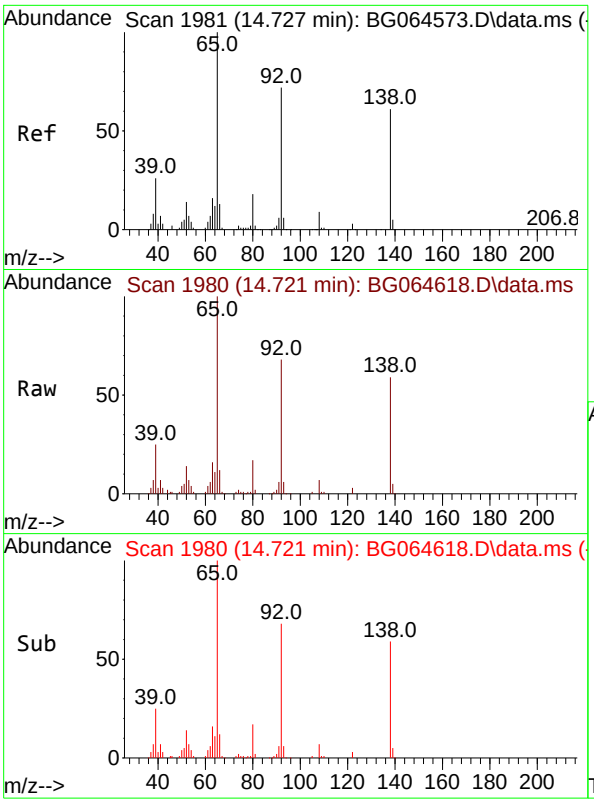


#52
Acenaphthene
Concen: 42.377 ng
RT: 14.903 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



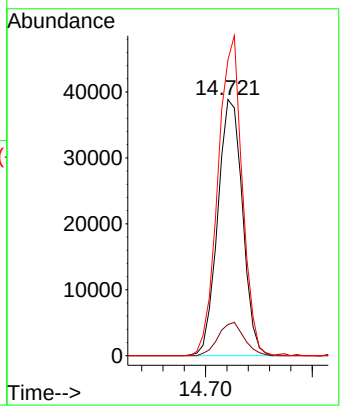


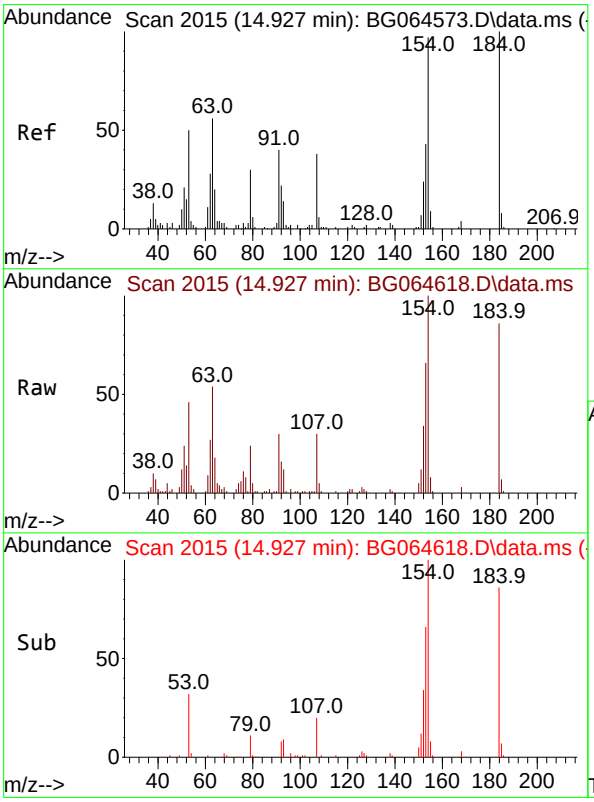
#53
3-Nitroaniline
Concen: 43.773 ng
RT: 14.721 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

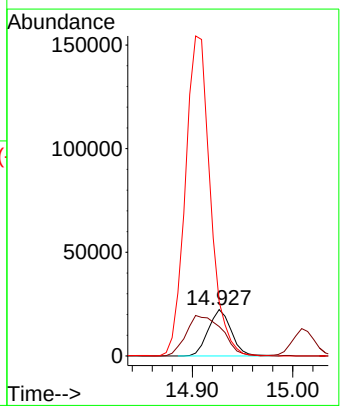


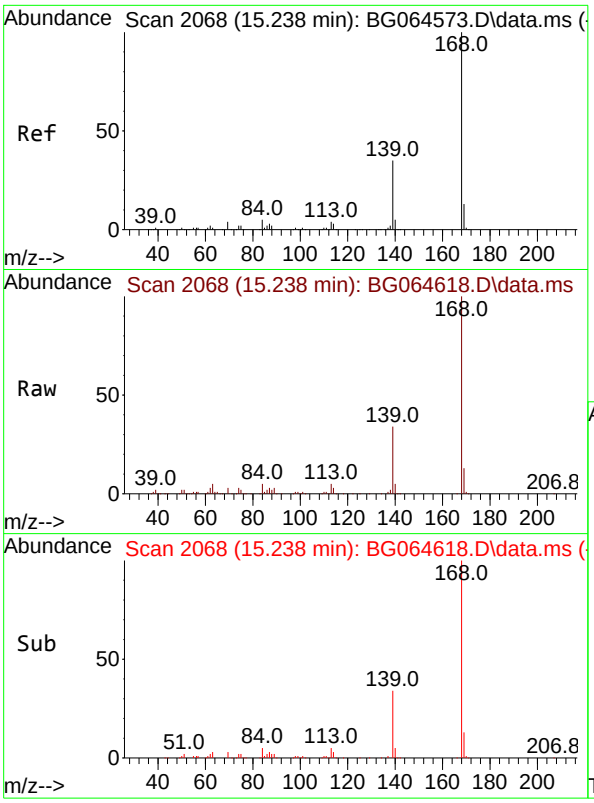


#54
2,4-Dinitrophenol
Concen: 44.922 ng
RT: 14.927 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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#



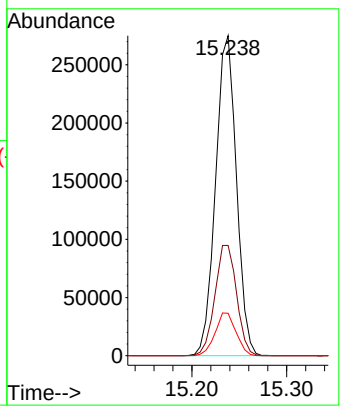


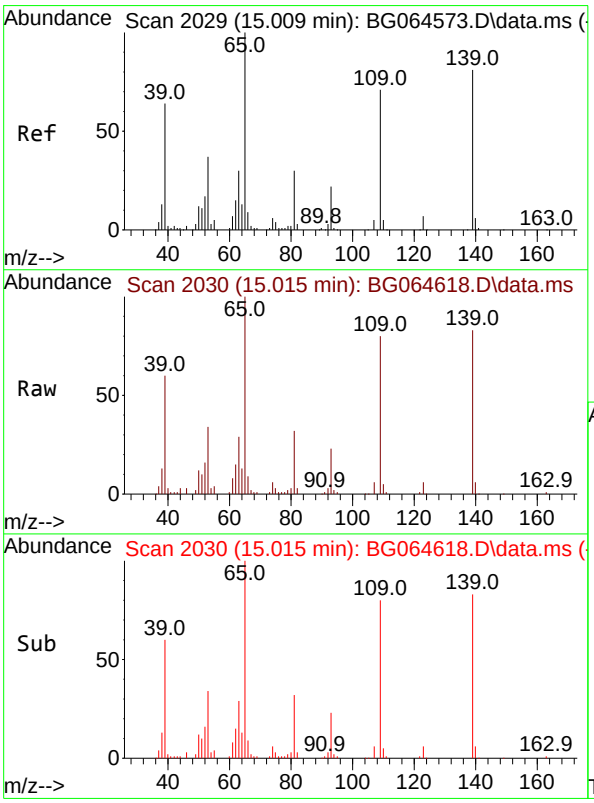
#55
Dibenzofuran
Concen: 41.281 ng
RT: 15.238 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

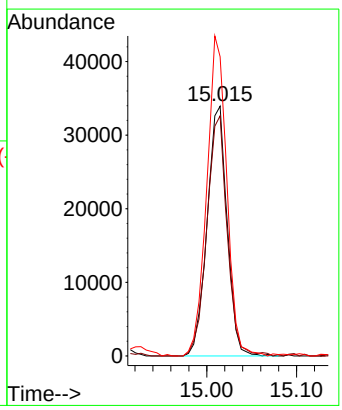


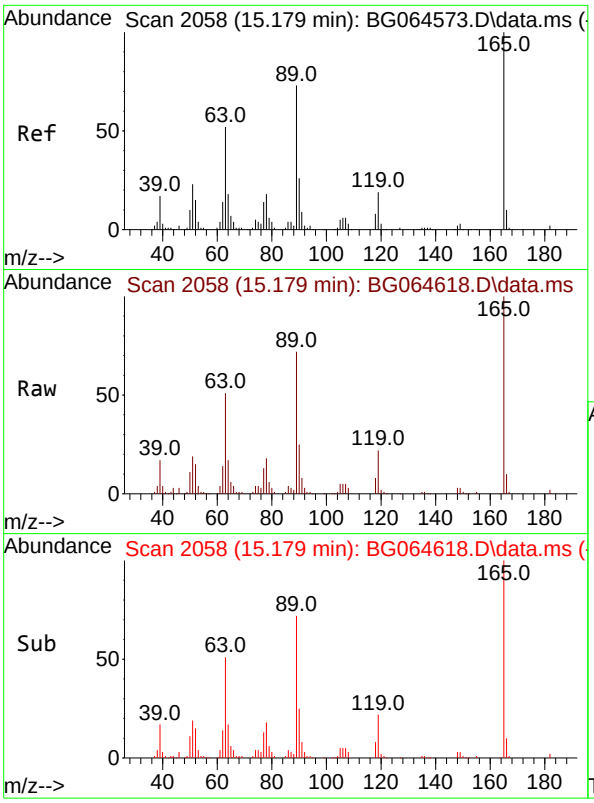


#56
4-Nitrophenol
Concen: 39.540 ng
RT: 15.015 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



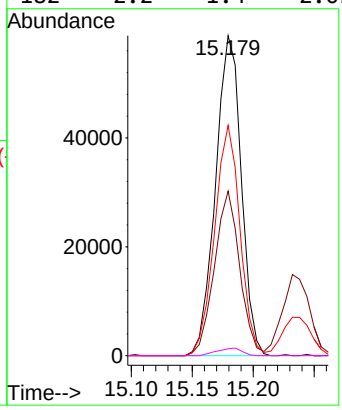


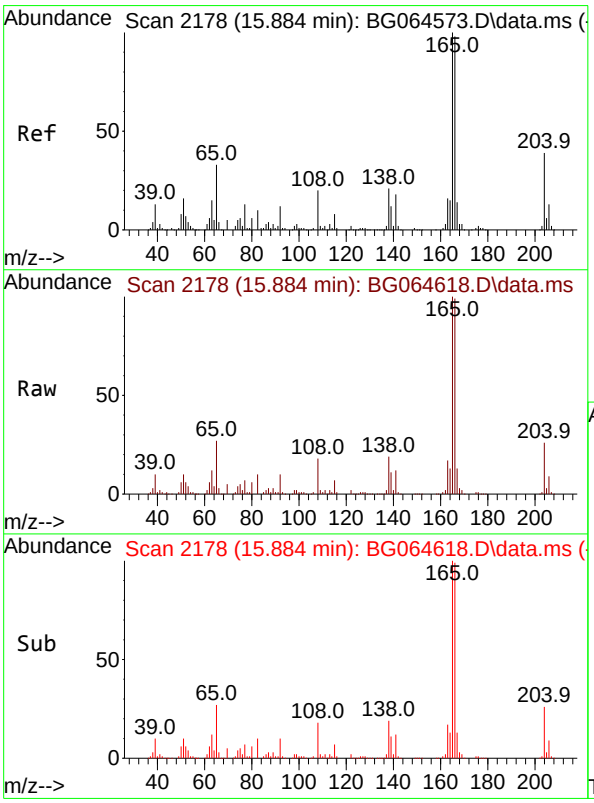
#57
2,4-Dinitrotoluene
Concen: 41.073 ng
RT: 15.179 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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#

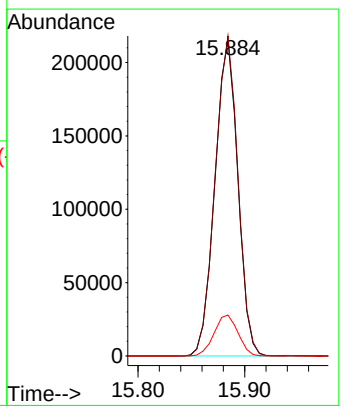


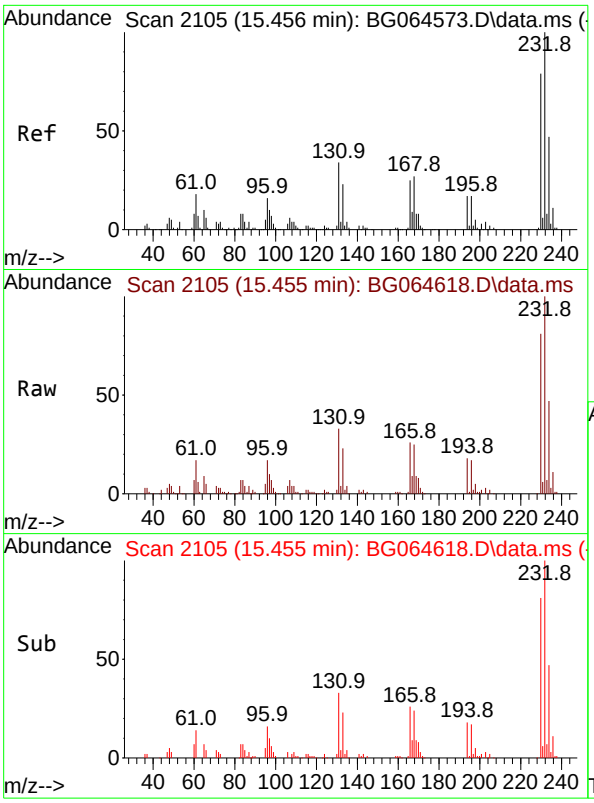


#58
Fluorene
Concen: 40.432 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



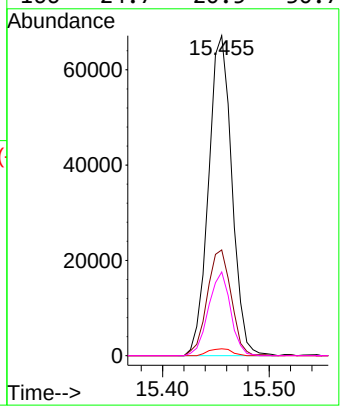


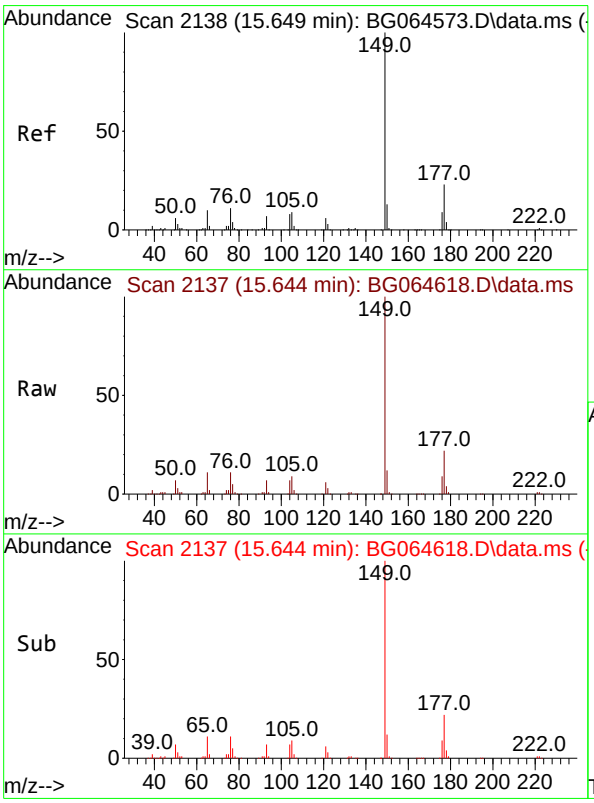
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.298 ng
RT: 15.455 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

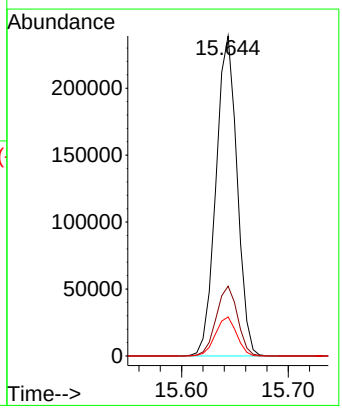


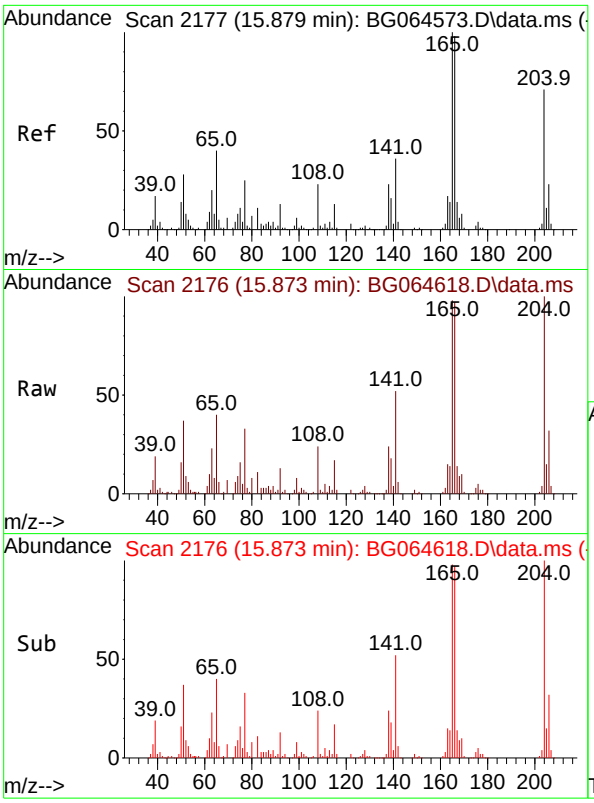


#60
Diethylphthalate
Concen: 38.582 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



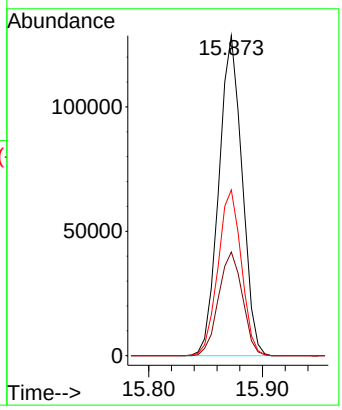


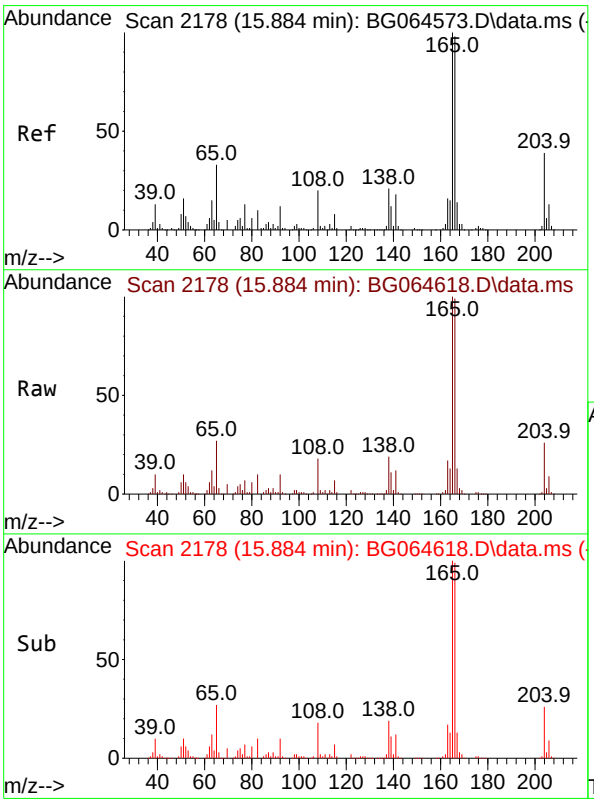
#61
4-Chlorophenyl-phenylether
Concen: 40.979 ng
RT: 15.873 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

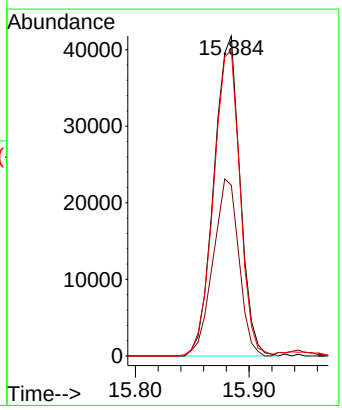


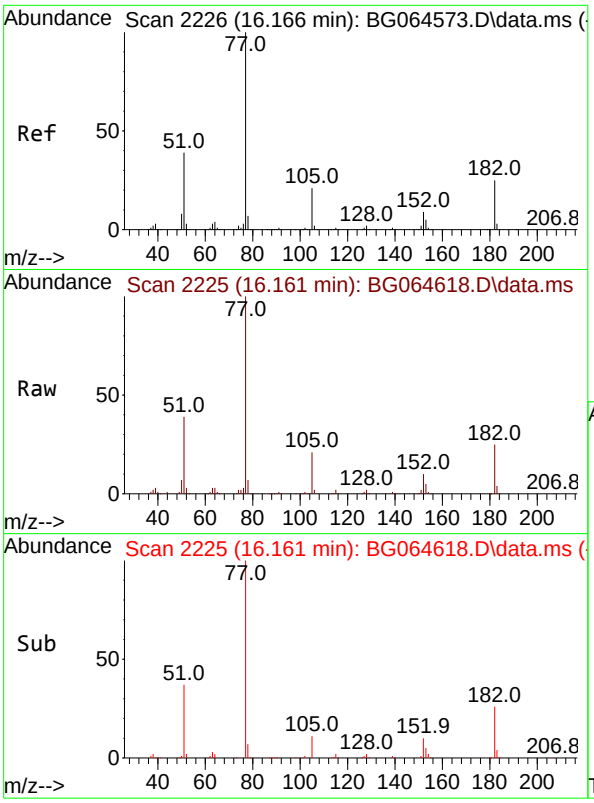


#62
4-Nitroaniline
Concen: 41.786 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



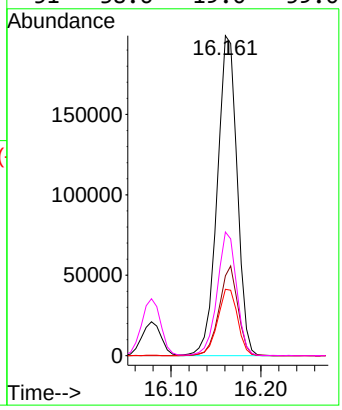


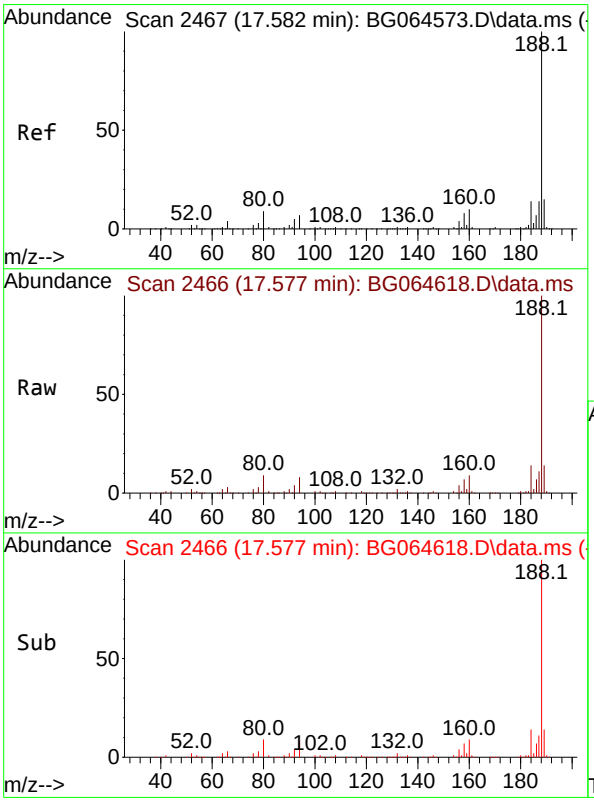
#63
Azobenzene
Concen: 39.183 ng
RT: 16.161 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

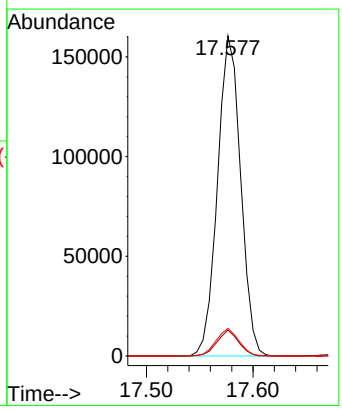


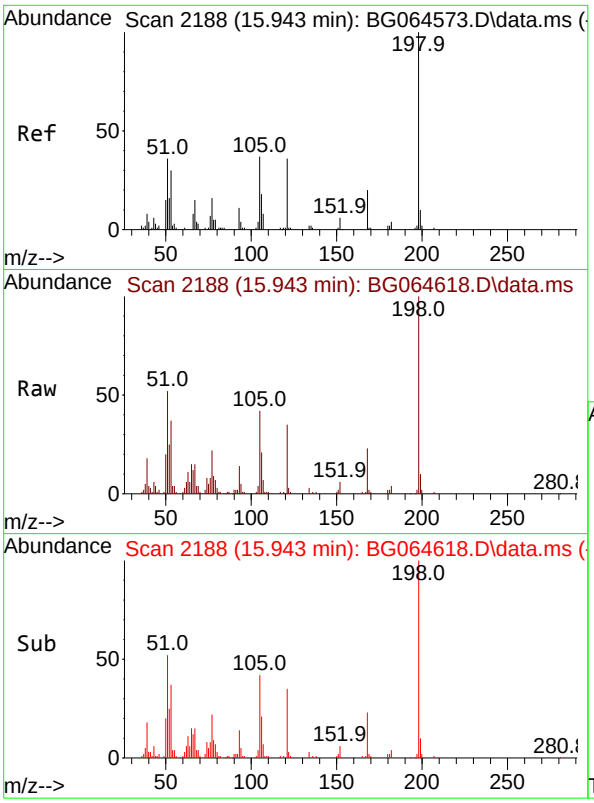


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



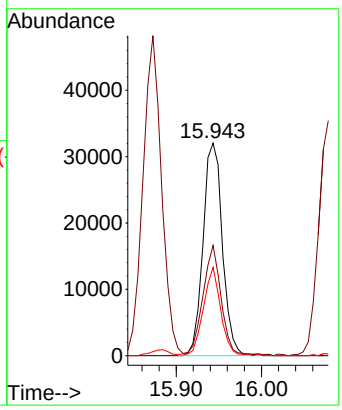


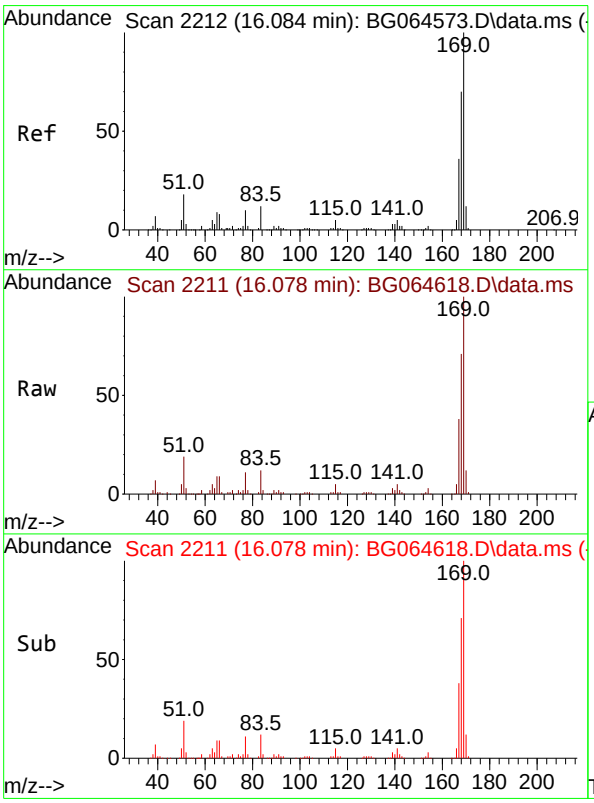
#65
4,6-Dinitro-2-methylphenol
Concen: 47.448 ng
RT: 15.943 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

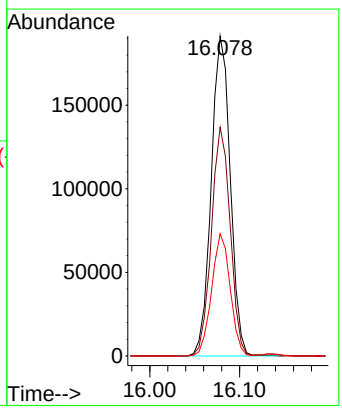


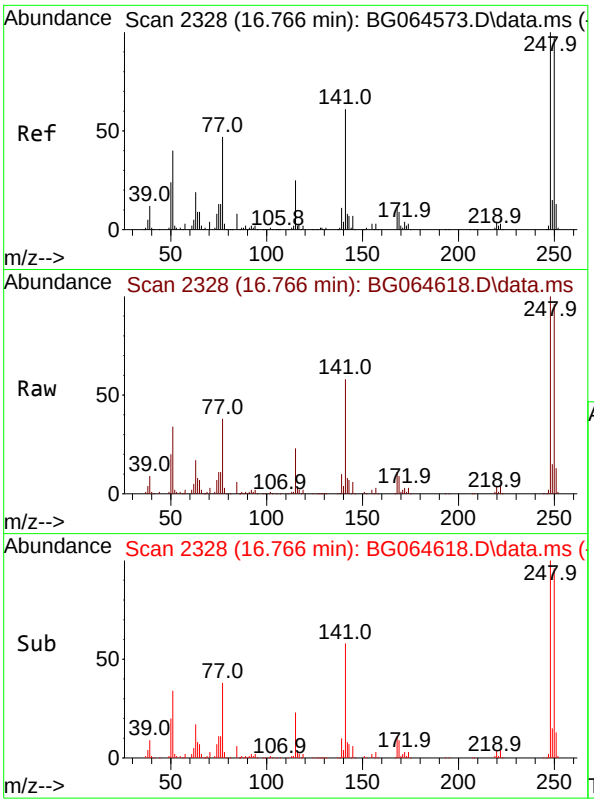


#66
n-Nitrosodiphenylamine
Concen: 43.085 ng
RT: 16.078 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



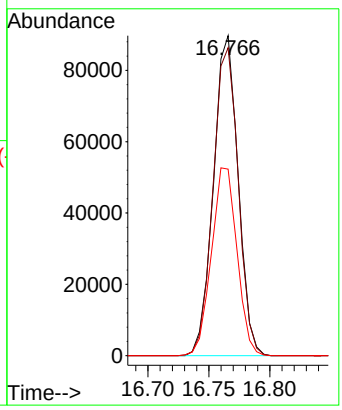


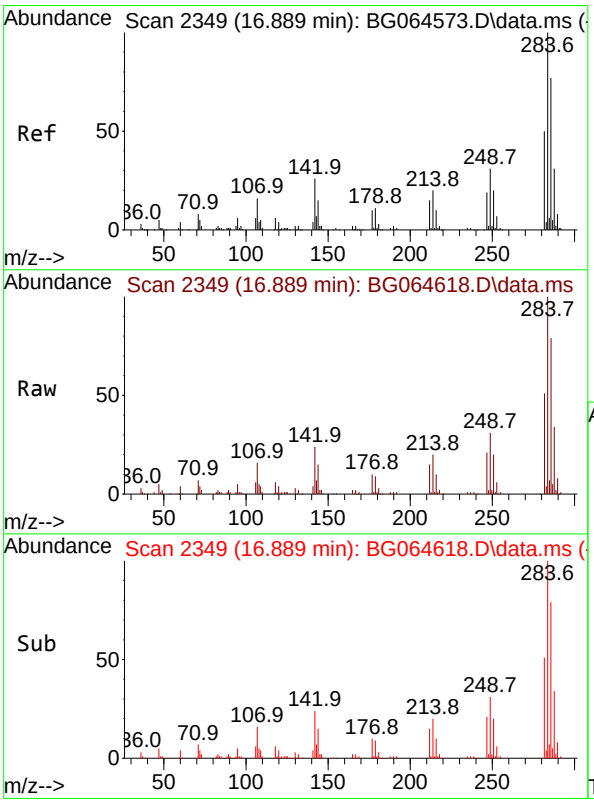
#67
4-Bromophenyl-phenylether
Concen: 44.163 ng
RT: 16.766 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

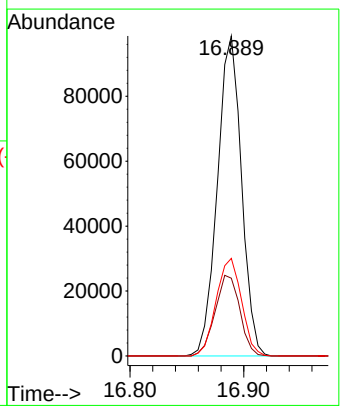


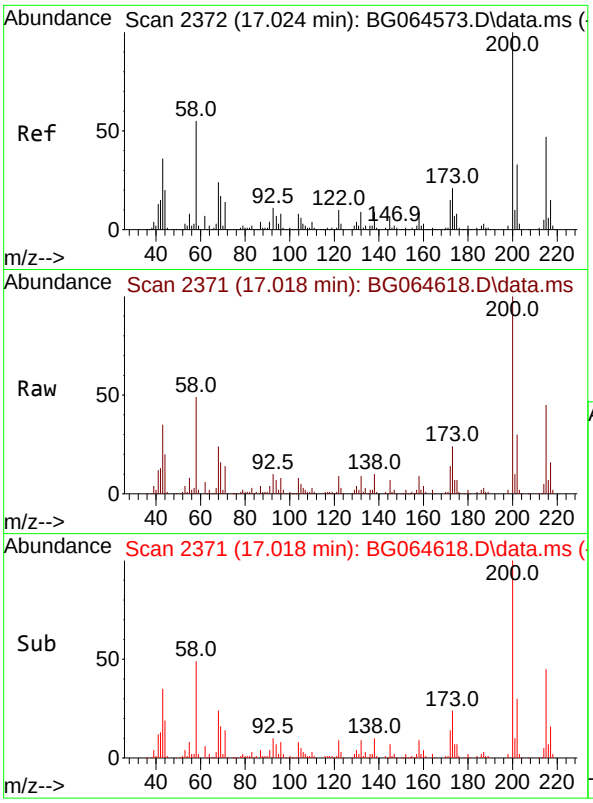


#68
Hexachlorobenzene
Concen: 44.415 ng
RT: 16.889 min Scan# 2349
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



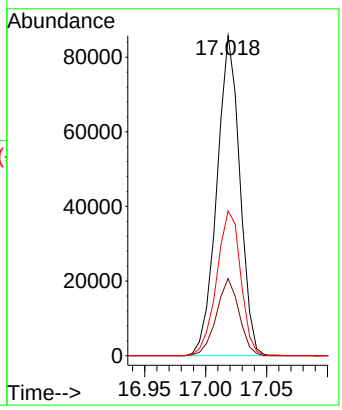


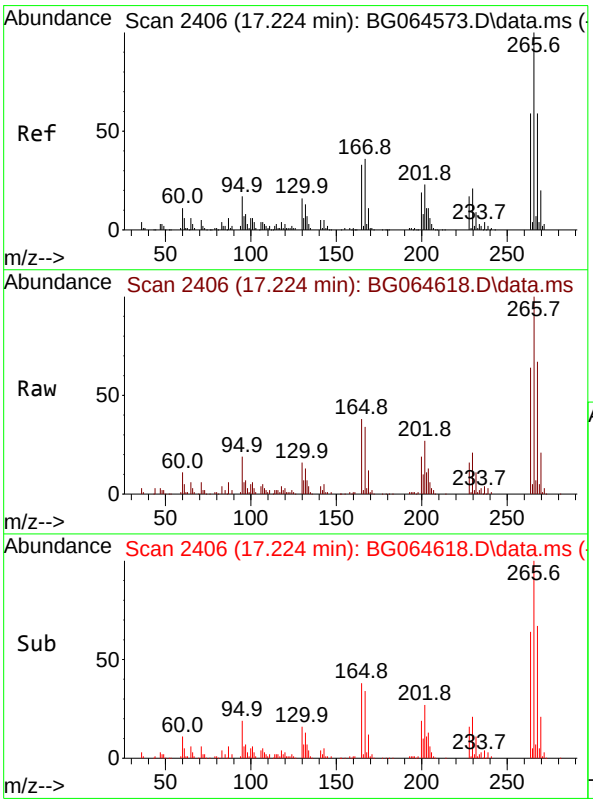
#69
Atrazine
Concen: 40.031 ng
RT: 17.018 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

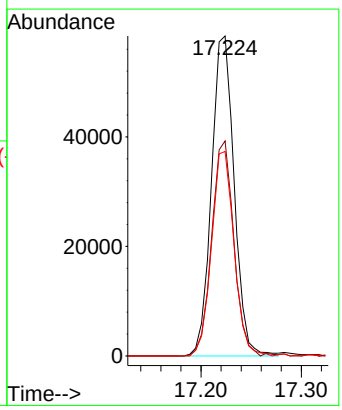


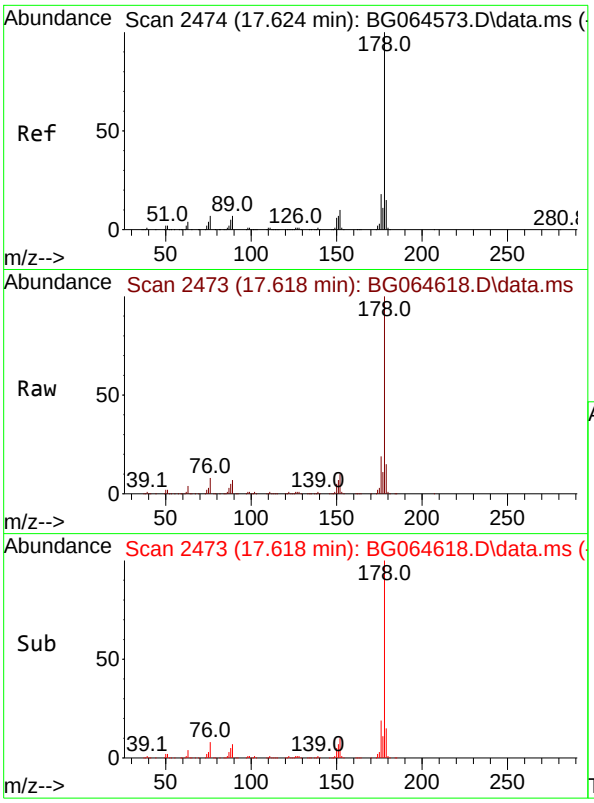


#70
Pentachlorophenol
Concen: 44.939 ng
RT: 17.224 min Scan# 2406
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



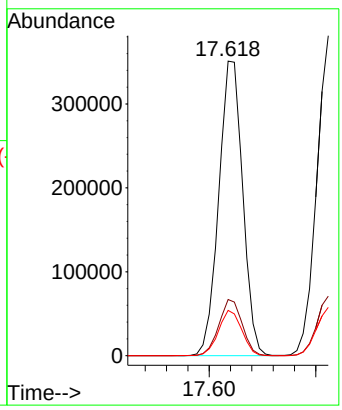


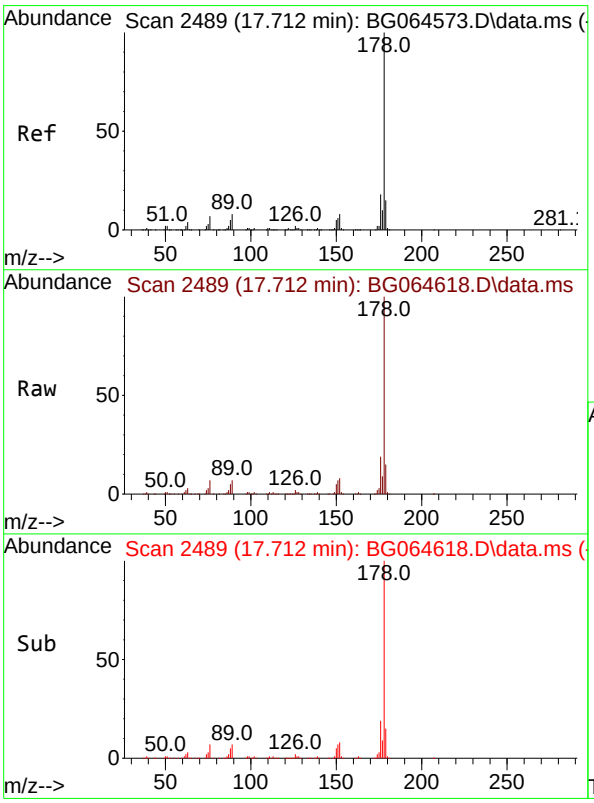
#71
Phenanthrene
Concen: 41.397 ng
RT: 17.618 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

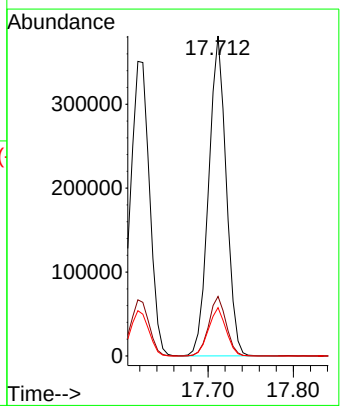


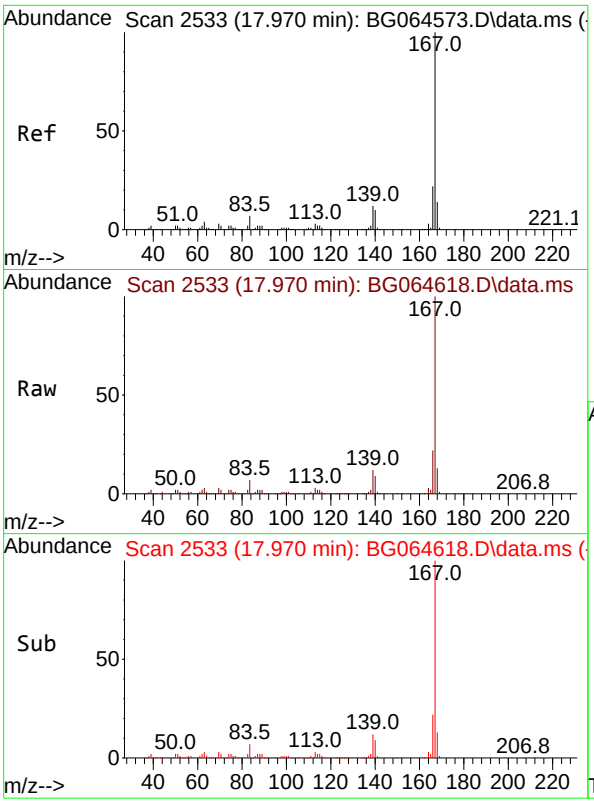


#72
Anthracene
Concen: 40.436 ng
RT: 17.712 min Scan# 2489
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



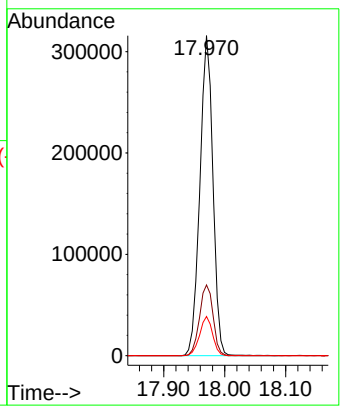


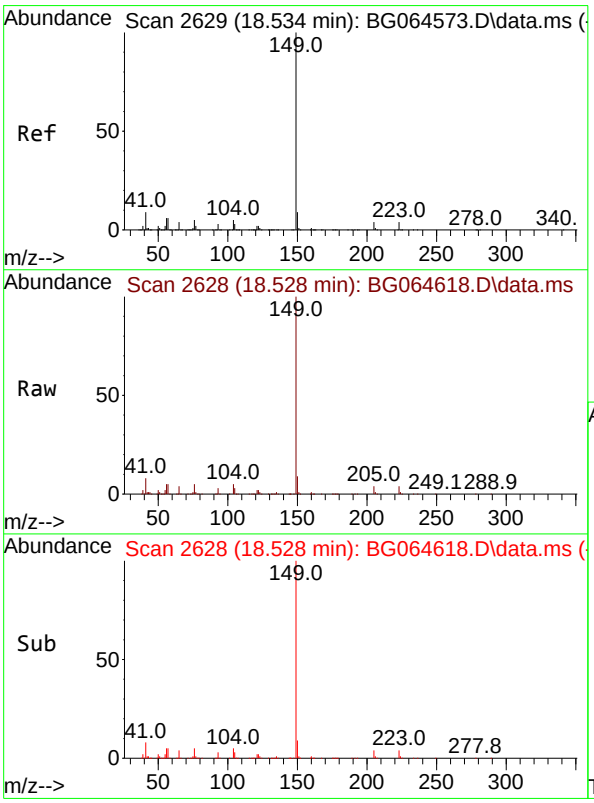
#73
Carbazole
Concen: 39.556 ng
RT: 17.970 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

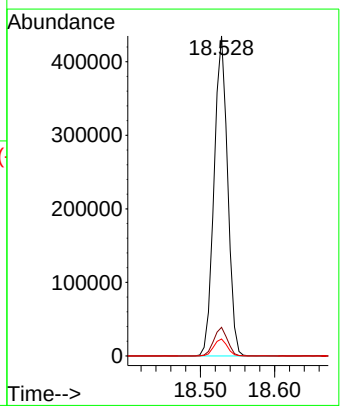


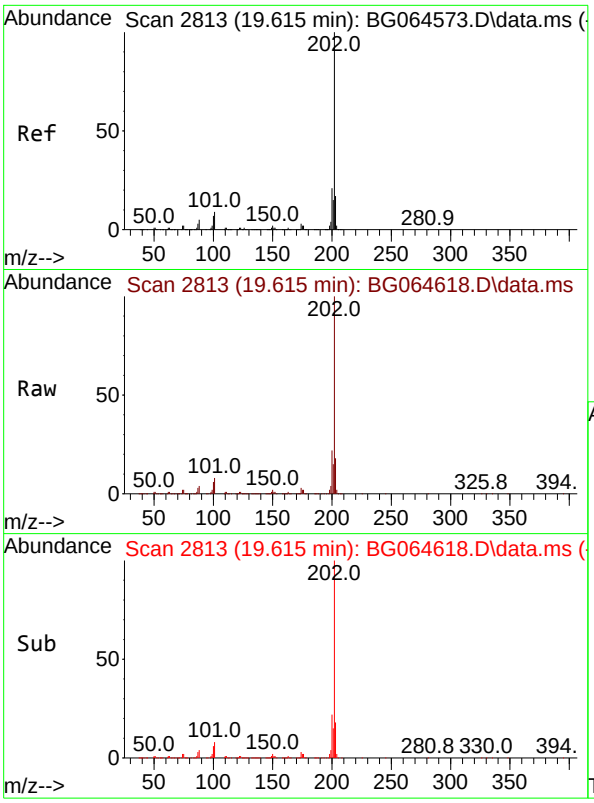


#74
Di-n-butylphthalate
Concen: 40.184 ng
RT: 18.528 min Scan# 2628
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



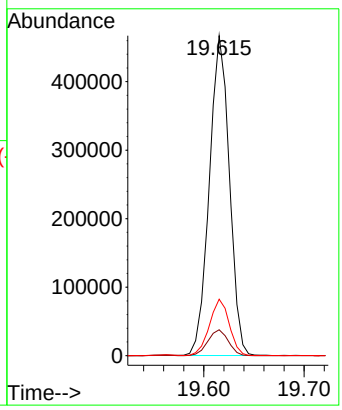


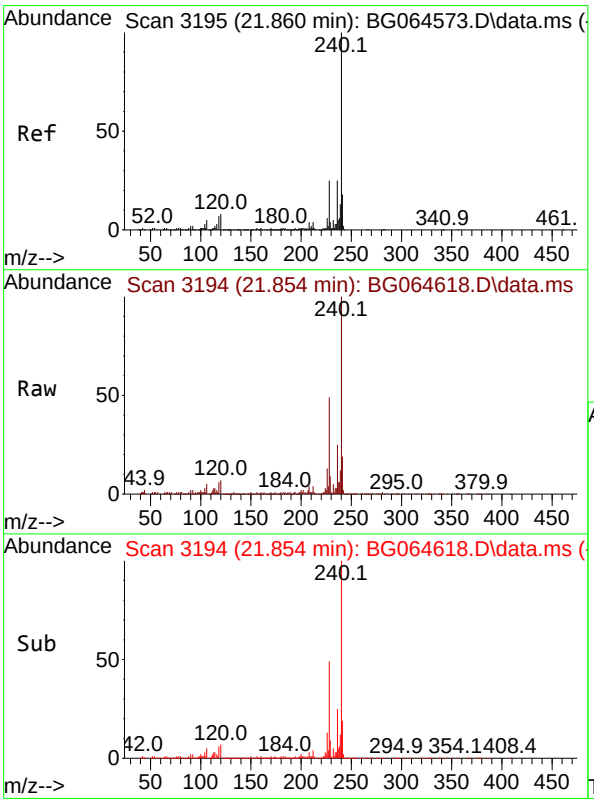
#75
Fluoranthene
Concen: 39.193 ng
RT: 19.615 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

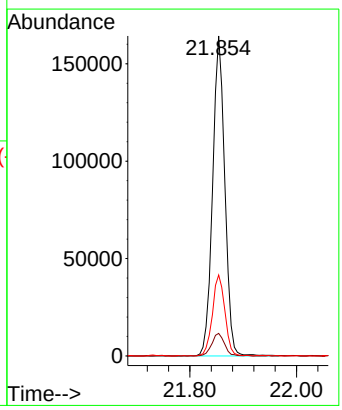


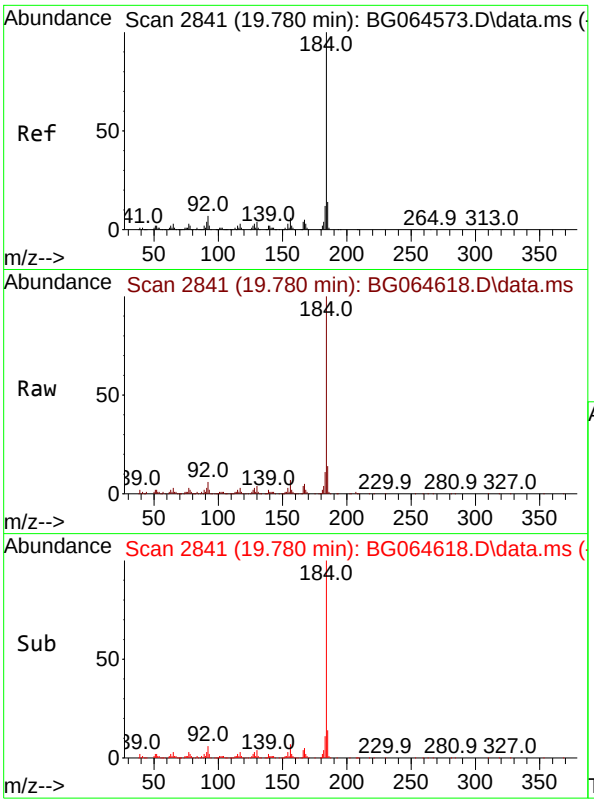


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3194
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



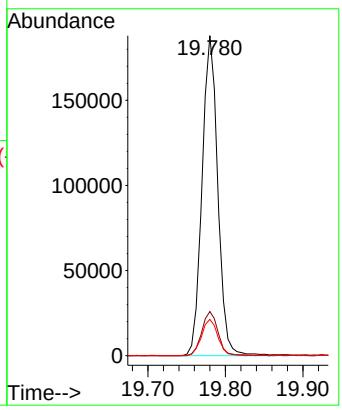


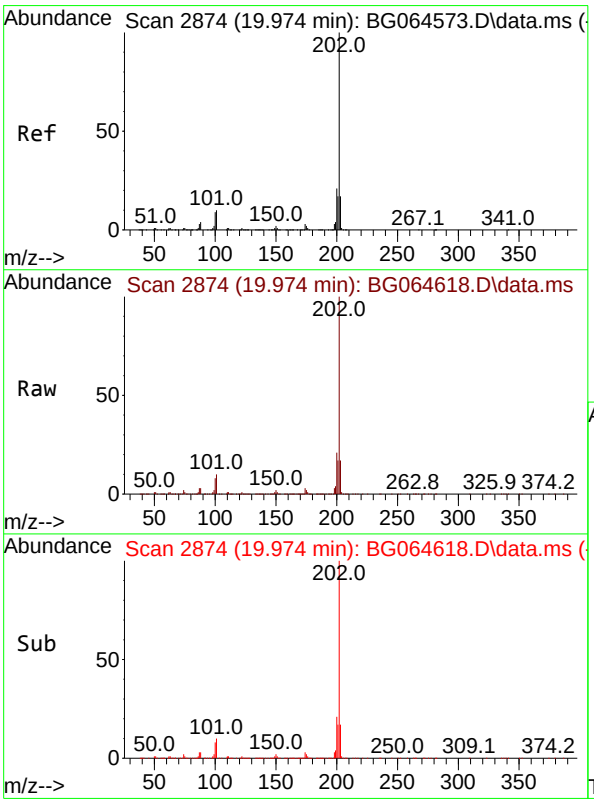
#77
Benzidine
Concen: 45.404 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

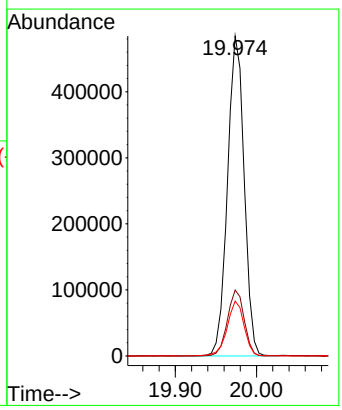


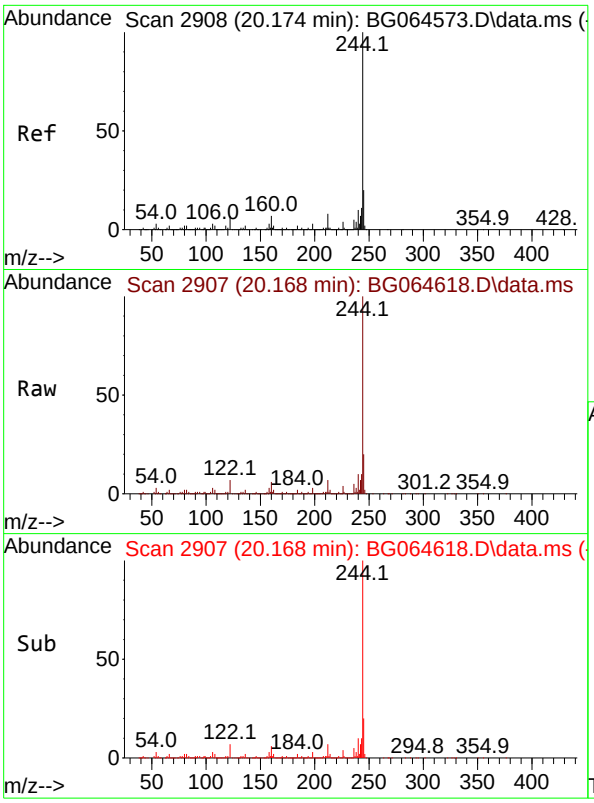


#78
Pyrene
Concen: 40.467 ng
RT: 19.974 min Scan# 2874
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



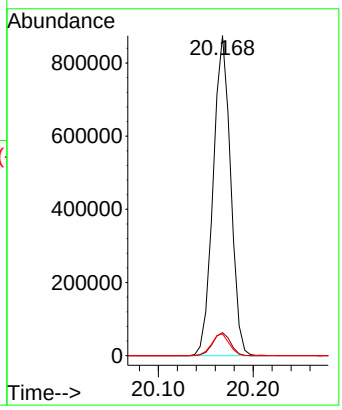


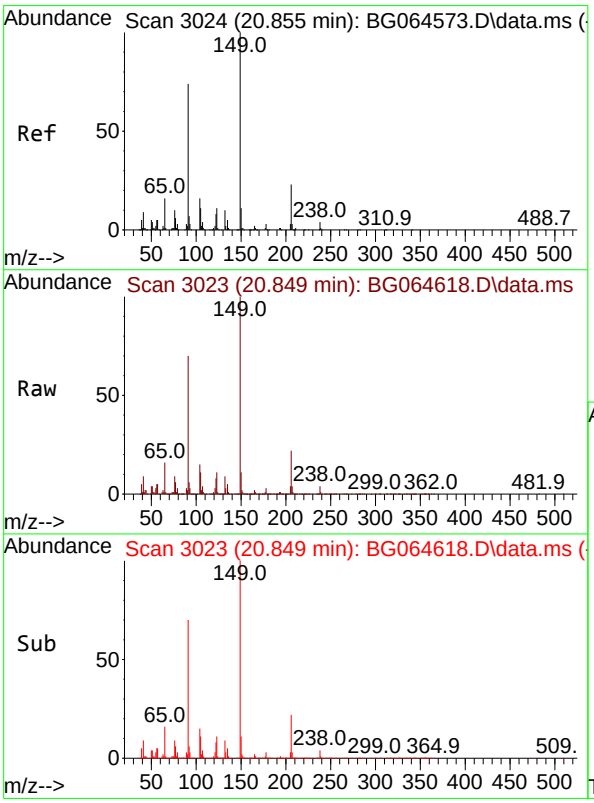
#79
Terphenyl-d14
Concen: 81.066 ng
RT: 20.168 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

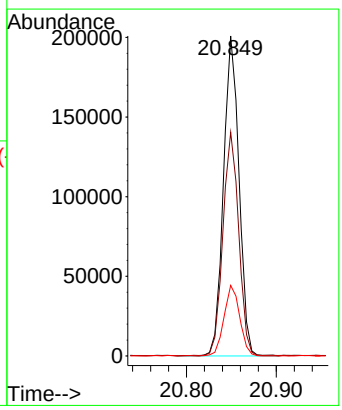


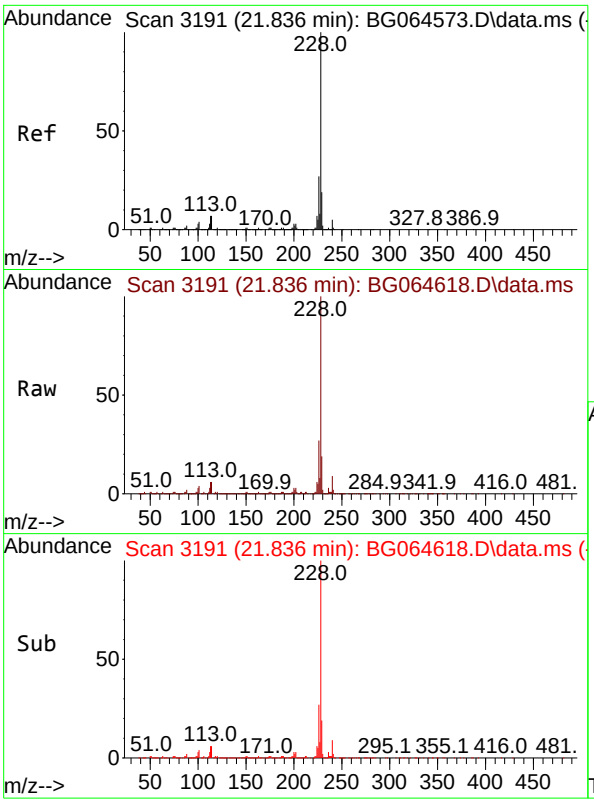


#80
Butylbenzylphthalate
Concen: 46.801 ng
RT: 20.849 min Scan# 3023
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



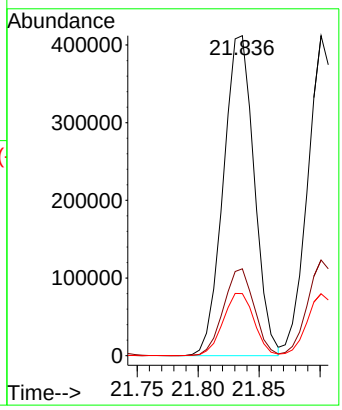


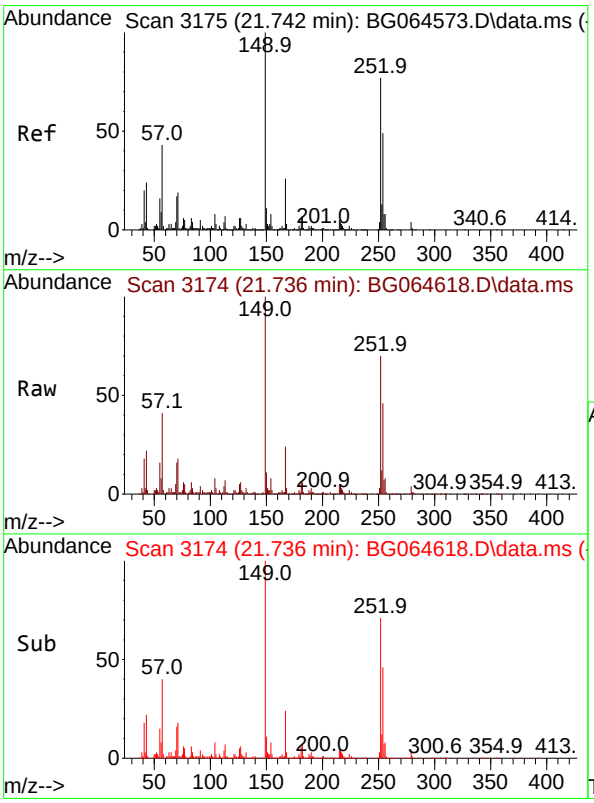
#81
Benzo(a)anthracene
Concen: 42.093 ng
RT: 21.836 min Scan# 3
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

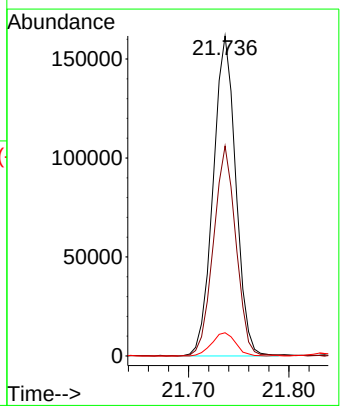


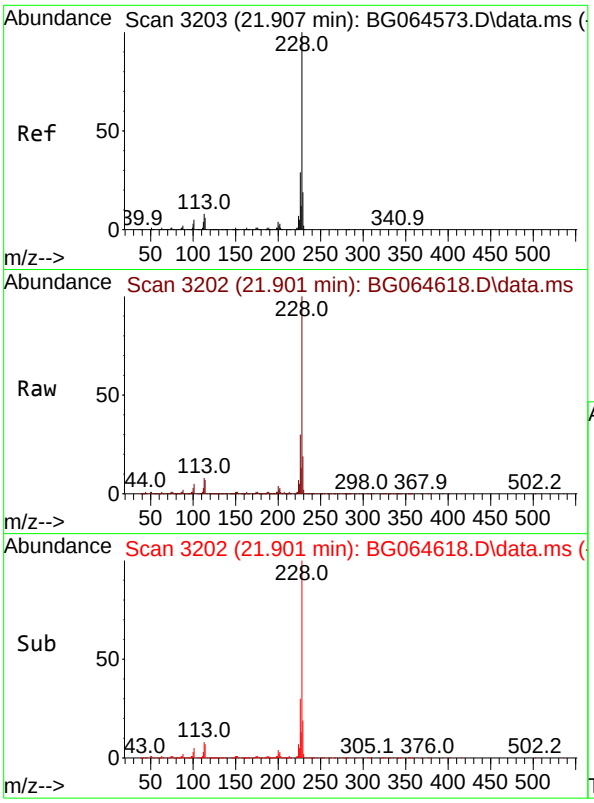


#82
3,3'-Dichlorobenzidine
Concen: 43.737 ng
RT: 21.736 min Scan# 3174
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



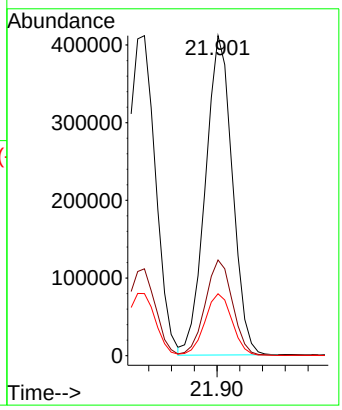


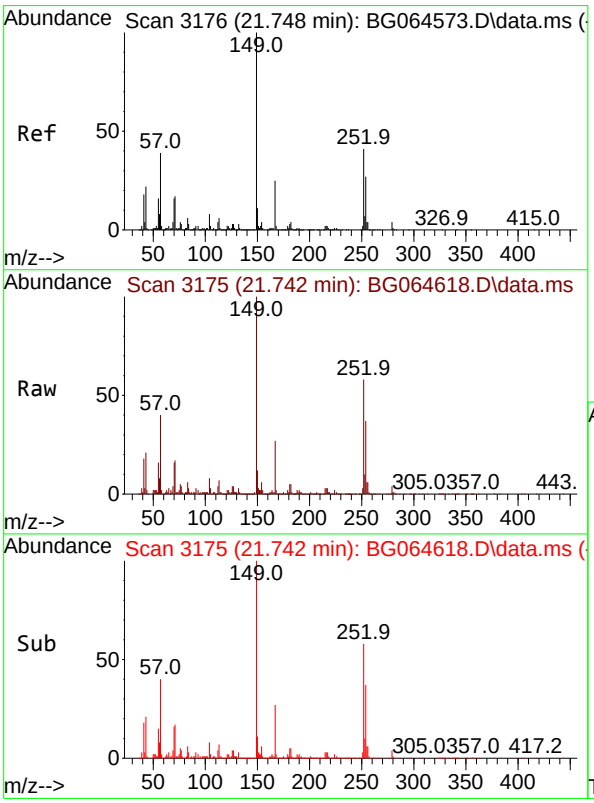
#83
Chrysene
Concen: 41.154 ng
RT: 21.901 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

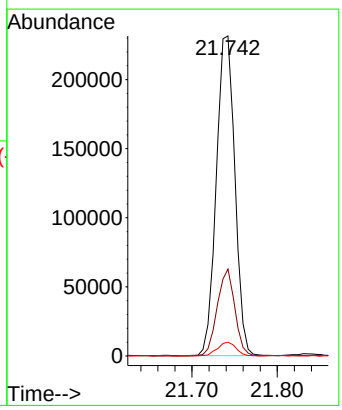


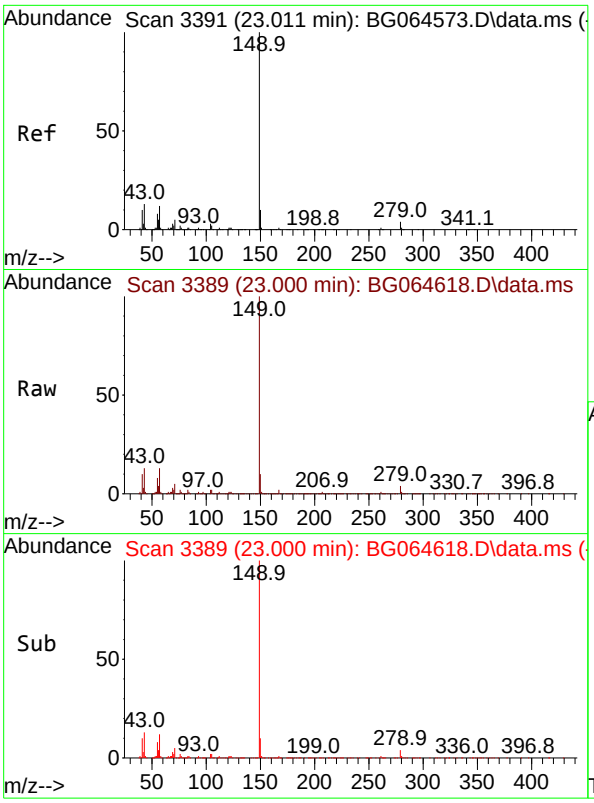


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.515 ng
RT: 21.742 min Scan# 3175
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



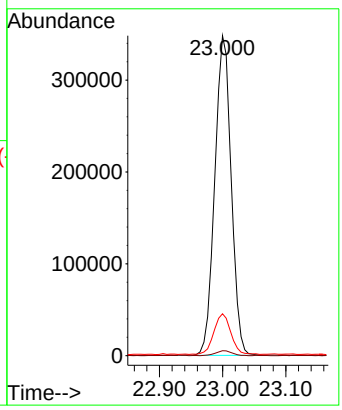


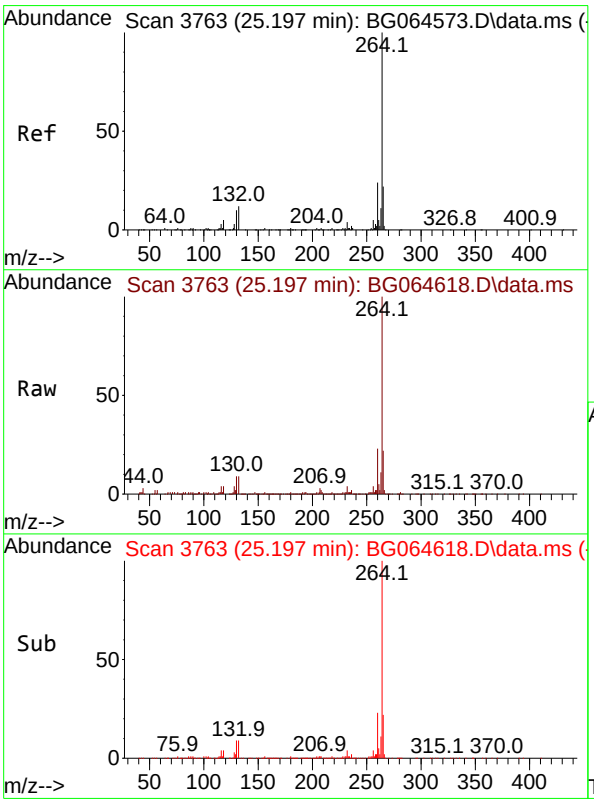
#85
Di-n-octyl phthalate
Concen: 48.350 ng
RT: 23.000 min Scan# 3
Delta R.T. -0.012 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

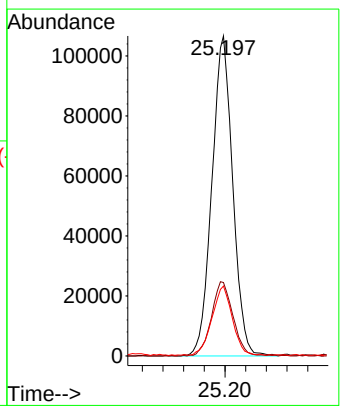


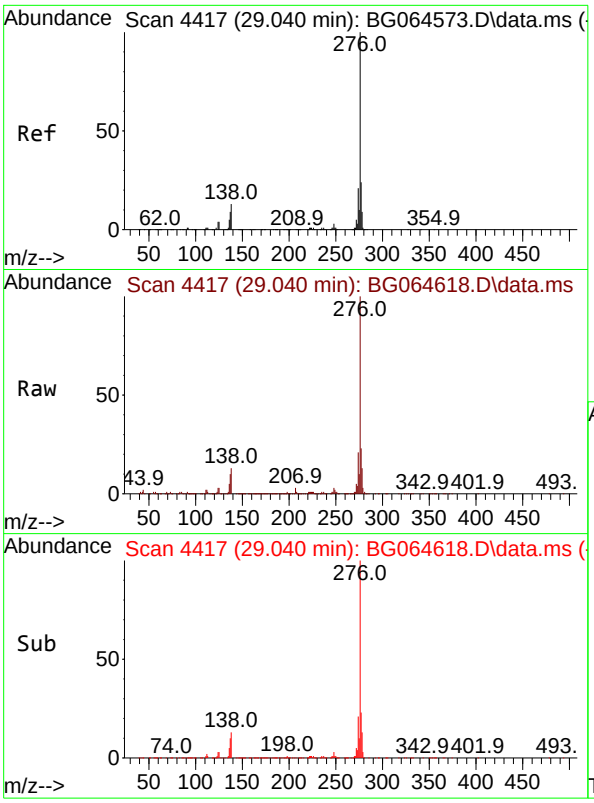


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.197 min Scan# 3763
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



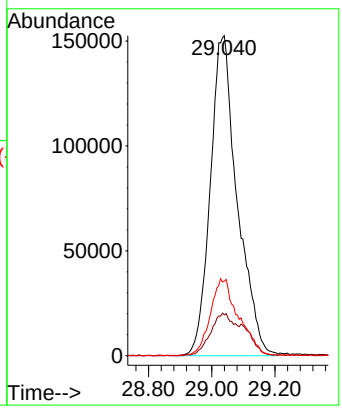


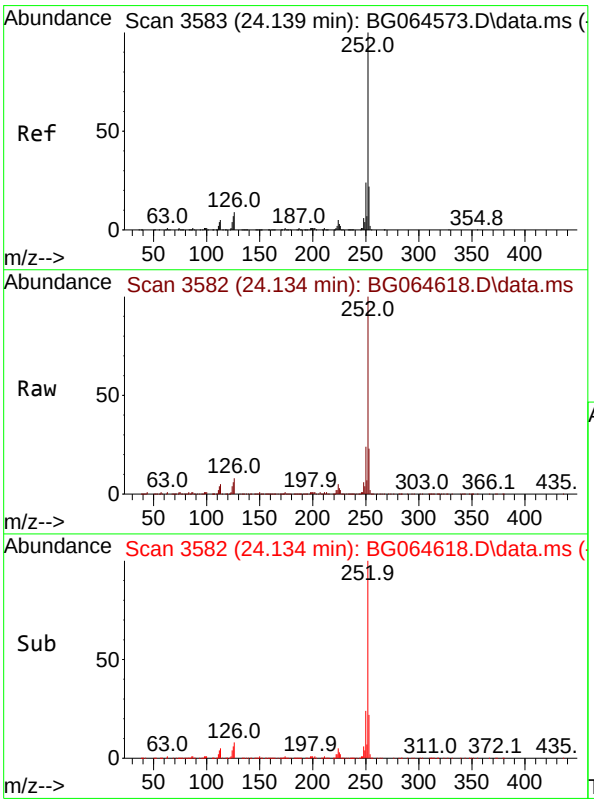
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.308 ng
RT: 29.040 min Scan# 44
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

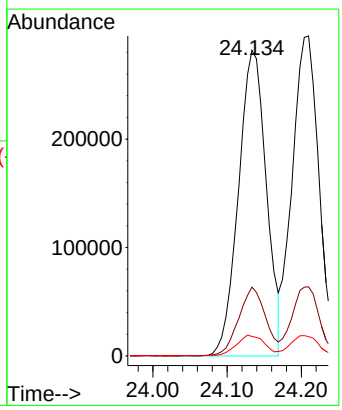


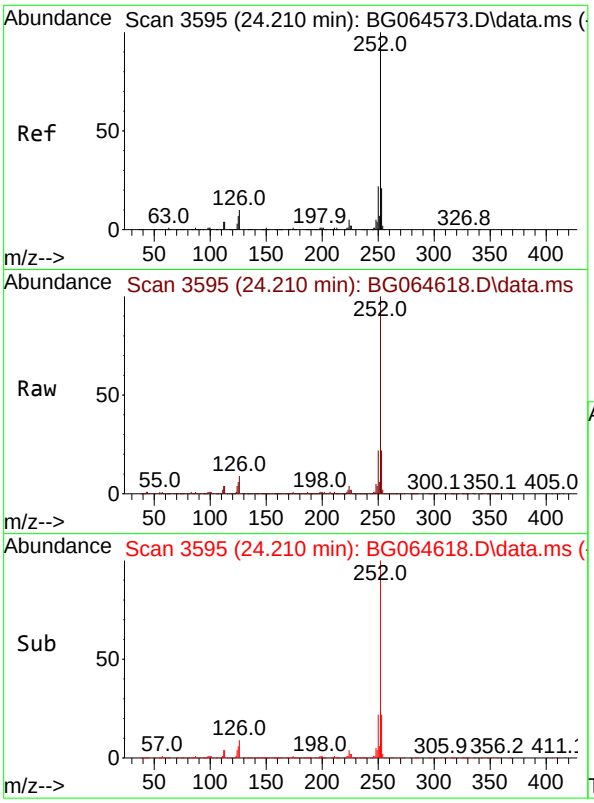


#88
Benzo(b)fluoranthene
Concen: 40.302 ng
RT: 24.134 min Scan# 3582
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



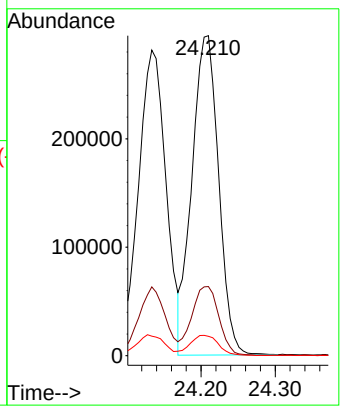


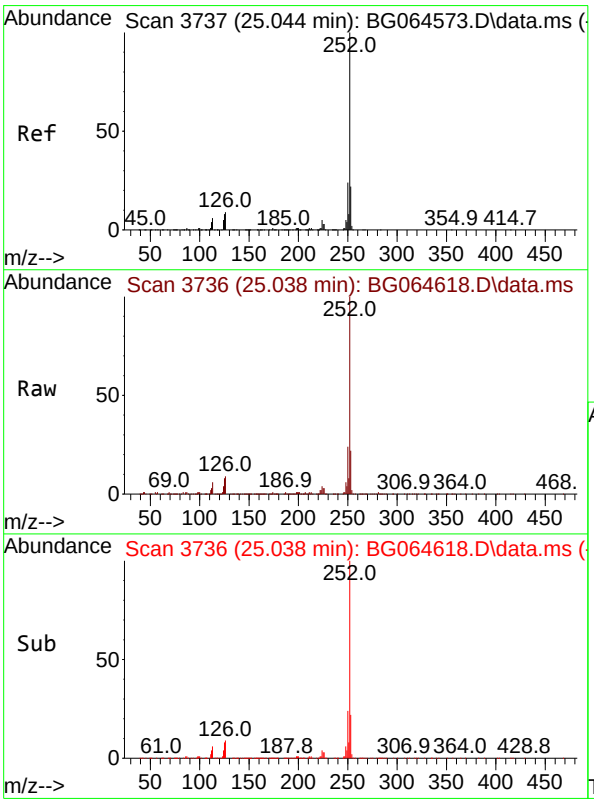
#89
Benzo(k)fluoranthene
Concen: 40.260 ng
RT: 24.210 min Scan# 3
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

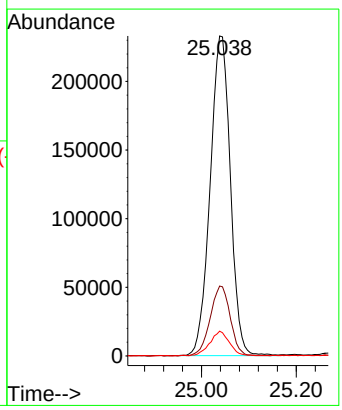


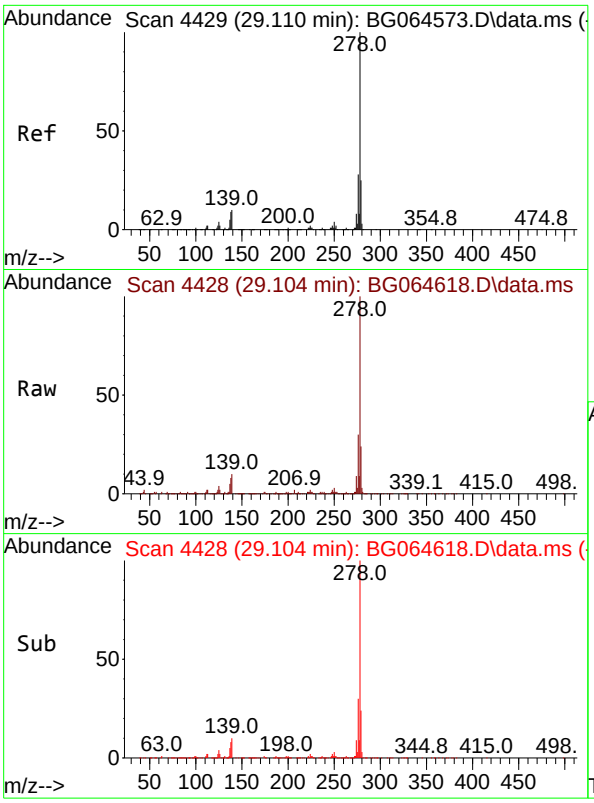


#90
Benzo(a)pyrene
Concen: 41.067 ng
RT: 25.038 min Scan# 3736
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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



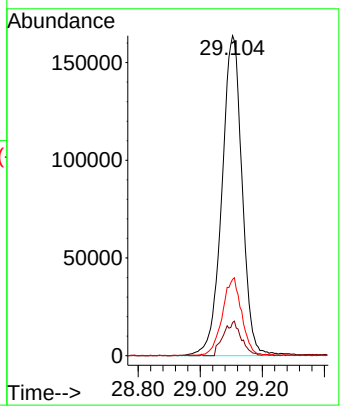


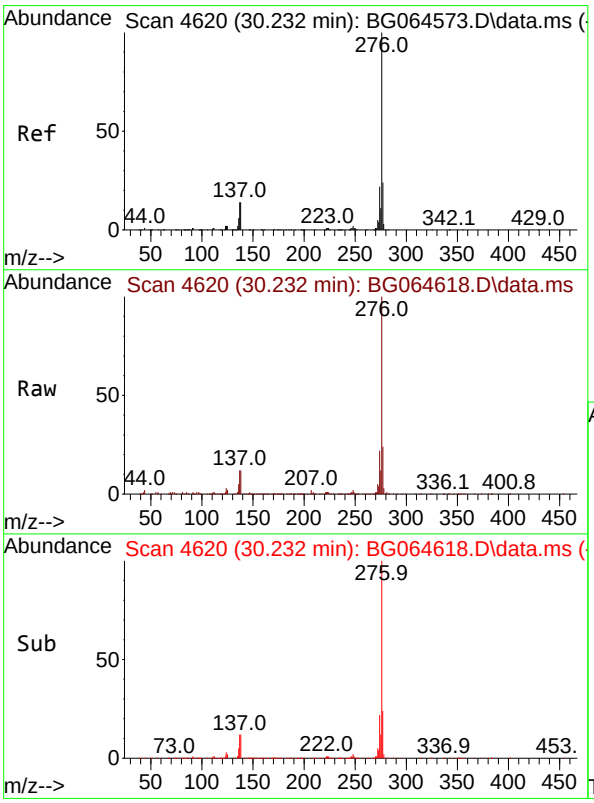
#91
Dibenzo(a,h)anthracene
Concen: 41.529 ng
RT: 29.104 min Scan# 44
Delta R.T. -0.006 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

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

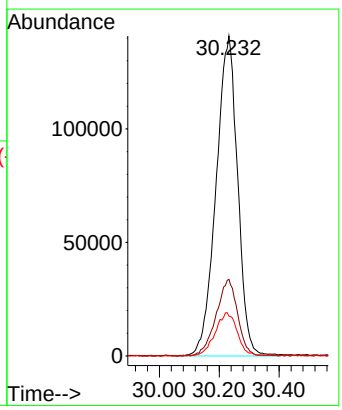




#92
Benzo(g,h,i)perylene
Concen: 41.412 ng
RT: 30.232 min Scan# 4620
Delta R.T. -0.000 min
Lab File: BG064618.D
Acq: 29 Oct 2025 11:22

Tgt Ion:276 Resp: 705048

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	12.4	11.3	16.9



Evaluate Continuing Calibration Report

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: Nov 04 05:47:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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	1.329	1.382	-4.0	91	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	1.201	1.261	-5.0	90	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	0.297	0.311	-4.7	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	0.207	0.203	1.9	82	0.00
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	0.00
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	0.806	0.825	-2.4	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: Nov 04 05:47:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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	-0.01
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	0.00
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	0.00
91		Dibenzo(a,h)anthracene	1.195	1.241	-3.8	83	0.00
92		Benzo(g,h,i)perylene	1.142	1.182	-3.5	83	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: Nov 04 05:47:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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: Nov 04 05:47:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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	41.589	-4.0	91	0.00
12		1,3-Dichlorobenzene	40.000	43.073	-7.7	93	0.00
13	C	1,4-Dichlorobenzene	40.000	42.551	-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	42.028	-5.1	90	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	41.823	-4.6	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	37.459	6.4	82	0.00
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	0.00
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	40.940	-2.3	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: Nov 04 05:47:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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	-0.01
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	0.00
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	0.00
91		Dibenzo(a,h)anthracene	40.000	41.529	-3.8	83	0.00
92		Benzo(g,h,i)perylene	40.000	41.412	-3.5	83	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: Nov 04 05:47:30 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: LIRO01

Lab Code: ACE SDG No.: Q3468

Instrument ID: BNA_G Calibration Date/Time: 10/30/2025 11:36

Lab File ID: BG064636.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	1.233		3.4	
Phenol-d6	1.635	1.603		-2.0	
Nitrobenzene-d5	0.333	0.420		26.1	
2-Fluorobiphenyl	1.319	1.427		8.2	
Acenaphthylene	1.693	1.756		3.7	
Acenaphthene	1.157	1.205		4.1	20.0
Fluorene	1.460	1.442		-1.2	
2,4,6-Tribromophenol	0.289	0.317		9.7	
Phenanthrene	1.094	1.114		1.8	
Anthracene	1.113	1.144		2.8	
Fluoranthene	1.370	1.451		5.9	20.0
Pyrene	1.307	1.247		-4.6	
Terphenyl-d14	1.060	1.043		-1.6	
Benzo(a)anthracene	1.326	1.410		6.3	
Chrysene	1.262	1.324		4.9	
Benzo(b)fluoranthene	1.226	1.272		3.8	
Benzo(k)fluoranthene	1.227	1.285		4.7	
Benzo(a)pyrene	1.127	1.190		5.6	20.0
Indeno(1,2,3-cd)pyrene	1.471	1.593		8.3	
Dibenzo(a,h)anthracene	1.195	1.283		7.4	
Benzo(g,h,i)perylene	1.142	1.243		8.8	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064636.D
Acq On : 30 Oct 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Nov 04 04:21:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.219	152	32501	20.000	ng		0.00
21) Naphthalene-d8	11.045	136	127691	20.000	ng		0.00
39) Acenaphthene-d10	14.841	164	94503	20.000	ng		0.00
64) Phenanthrene-d10	17.579	188	210658	20.000	ng		0.00
76) Chrysene-d12	21.856	240	257813	20.000	ng		0.00
86) Perylene-d12	25.199	264	295961	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.745	112	160336	82.805	ng		0.00
7) Phenol-d6	7.355	99	208374	78.424	ng		0.00
23) Nitrobenzene-d5	9.382	82	214287	100.795	ng		0.00
42) 2,4,6-Tribromophenol	16.315	330	119915	87.917	ng		0.00
45) 2-Fluorobiphenyl	13.472	172	539428	86.520	ng		0.00
79) Terphenyl-d14	20.170	244	1075391	78.718	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.589	88	35491	41.400	ng		98
3) Pyridine	3.995	79	105689	41.054	ng		98
4) n-Nitrosodimethylamine	3.906	42	56991	41.282	ng		99
6) Aniline	7.532	93	136655	37.797	ng		97
8) 2-Chlorophenol	7.778	128	88994	43.910	ng		99
9) Benzaldehyde	7.338	77	55986	38.596	ng		93
10) Phenol	7.379	94	114461	38.953	ng		96
11) bis(2-Chloroethyl)ether	7.626	93	84261	39.002	ng		97
12) 1,3-Dichlorobenzene	8.107	146	101335	43.441	ng		93
13) 1,4-Dichlorobenzene	8.254	146	100871	42.528	ng		95
14) 1,2-Dichlorobenzene	8.577	146	98266	42.953	ng		99
15) Benzyl Alcohol	8.448	79	90352	41.237	ng		94
16) 2,2'-oxybis(1-Chloropr...	8.736	45	231528	40.856	ng		99
17) 2-Methylphenol	8.648	107	79347	40.671	ng		97
18) Hexachloroethane	9.318	117	38071	45.739	ng		95
19) n-Nitroso-di-n-propyla...	9.024	70	72573	39.522	ng		96
20) 3+4-Methylphenols	8.977	107	105306	38.381	ng		97
22) Acetophenone	9.042	105	142610	40.856	ng		97
24) Nitrobenzene	9.424	77	111858	48.375	ng		98
25) Isophorone	9.952	82	206469	40.473	ng		98
26) 2-Nitrophenol	10.140	139	46050	51.379	ng	#	90
27) 2,4-Dimethylphenol	10.193	122	81767	43.090	ng		91
28) bis(2-Chloroethoxy)met...	10.434	93	117360	40.406	ng		99
29) 2,4-Dichlorophenol	10.681	162	92269	45.182	ng		97
30) 1,2,4-Trichlorobenzene	10.904	180	101552	43.767	ng		97
31) Naphthalene	11.098	128	295608	41.755	ng		99
32) Benzoic acid	10.299	122	58855	41.641	ng		98
33) 4-Chloroaniline	11.186	127	107772	39.165	ng		97
34) Hexachlorobutadiene	11.386	225	81632	44.987	ng		93
35) Caprolactam	11.950	113	27064	34.554	ng	#	88
36) 4-Chloro-3-methylphenol	12.291	107	99554	40.557	ng		97
37) 2-Methylnaphthalene	12.684	142	215078	41.379	ng		97
38) 1-Methylnaphthalene	12.902	142	208518	40.524	ng		98
40) 1,2,4,5-Tetrachloroben...	13.049	216	144011	45.407	ng		99
41) Hexachlorocyclopentadiene	13.031	237	78048	54.673	ng		96
43) 2,4,6-Trichlorophenol	13.278	196	86362	47.604	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064636.D
Acq On : 30 Oct 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Nov 04 04:21:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

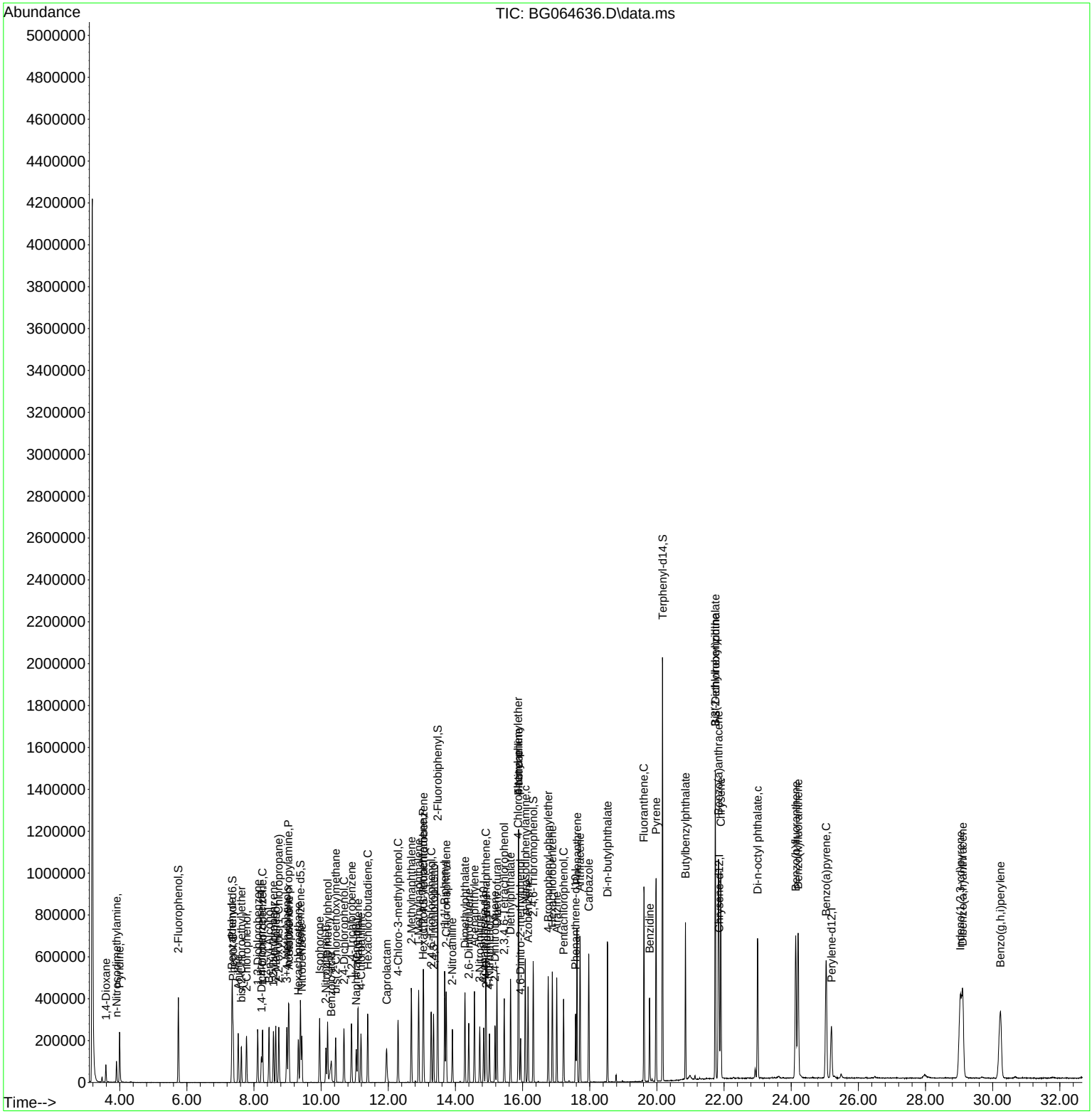
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.348	196	93561	44.690	ng		98
46) 1,1'-Biphenyl	13.677	154	284894	42.404	ng		94
47) 2-Chloronaphthalene	13.724	162	216419	42.675	ng		99
48) 2-Nitroaniline	13.906	65	74045	43.795	ng		92
49) Acenaphthylene	14.565	152	331834	41.484	ng		99
50) Dimethylphthalate	14.283	163	285287	39.451	ng		97
51) 2,6-Dinitrotoluene	14.394	165	53162	44.784	ng		98
52) Acenaphthene	14.905	154	227801	41.683	ng		97
53) 3-Nitroaniline	14.723	138	57551	46.309	ng		97
54) 2,4-Dinitrophenol	14.923	184	34138	48.950	ng		85
55) Dibenzofuran	15.234	168	353239	39.980	ng		98
56) 4-Nitrophenol	15.011	139	50480	43.812	ng		97
57) 2,4-Dinitrotoluene	15.176	165	78142	42.716	ng	#	98
58) Fluorene	15.881	166	272466	39.487	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.452	232	89397	44.655	ng		98
60) Diethylphthalate	15.640	149	278640	37.738	ng		99
61) 4-Chlorophenyl-phenyle...	15.869	204	157055	40.558	ng		97
62) 4-Nitroaniline	15.881	138	60132	43.493	ng		93
63) Azobenzene	16.163	77	257601	38.024	ng		97
65) 4,6-Dinitro-2-methylph...	15.939	198	49140	52.445	ng		96
66) n-Nitrosodiphenylamine	16.080	169	239610	42.108	ng		98
67) 4-Bromophenyl-phenylether	16.762	248	109900	44.024	ng		99
68) Hexachlorobenzene	16.885	284	122806	43.121	ng		96
69) Atrazine	17.015	200	97691	39.893	ng		97
70) Pentachlorophenol	17.220	266	82346	46.367	ng		92
71) Phenanthrene	17.620	178	469425	40.749	ng		99
72) Anthracene	17.708	178	482051	41.136	ng		99
73) Carbazole	17.972	167	423668	40.999	ng		99
74) Di-n-butylphthalate	18.525	149	476308	39.860	ng		99
75) Fluoranthene	19.612	202	611318	42.360	ng		99
77) Benzidine	19.782	184	240984	41.721	ng		98
78) Pyrene	19.976	202	643136	38.182	ng		100
80) Butylbenzylphthalate	20.851	149	229670	45.114	ng		96
81) Benzo(a)anthracene	21.832	228	726865	42.521	ng		98
82) 3,3'-Dichlorobenzidine	21.738	252	254141	44.521	ng		100
83) Chrysene	21.903	228	682939	41.987	ng		98
84) Bis(2-ethylhexyl)phtha...	21.738	149	336059	44.177	ng		99
85) Di-n-octyl phthalate	22.996	149	603742	47.074	ng		98
87) Indeno(1,2,3-cd)pyrene	29.036	276	943017	43.313	ng		98
88) Benzo(b)fluoranthene	24.136	252	753080	41.496	ng		98
89) Benzo(k)fluoranthene	24.206	252	760727	41.889	ng		97
90) Benzo(a)pyrene	25.041	252	704164	42.211	ng		100
91) Dibenzo(a,h)anthracene	29.106	278	759427	42.934	ng		98
92) Benzo(g,h,i)perylene	30.229	276	735814	43.547	ng		97

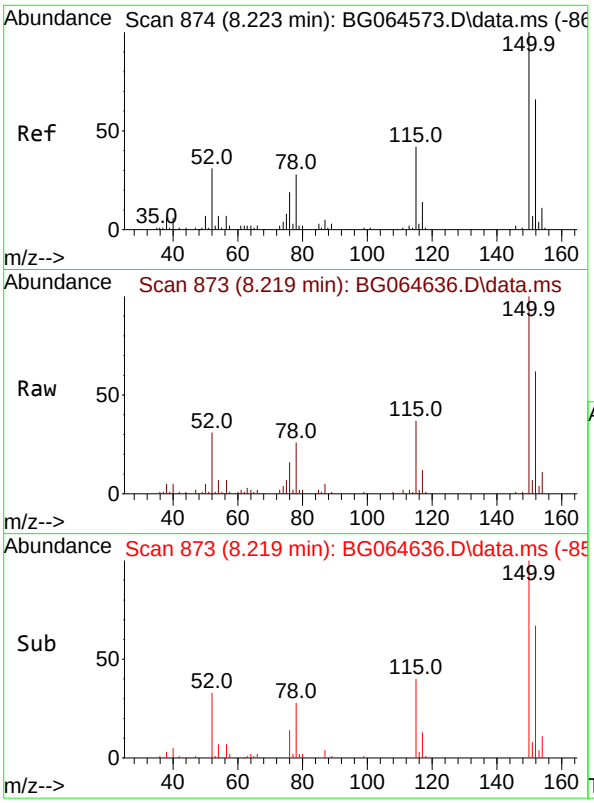
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064636.D
Acq On : 30 Oct 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Quant Time: Nov 04 04:21:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration



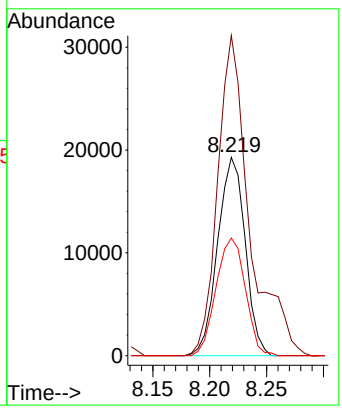


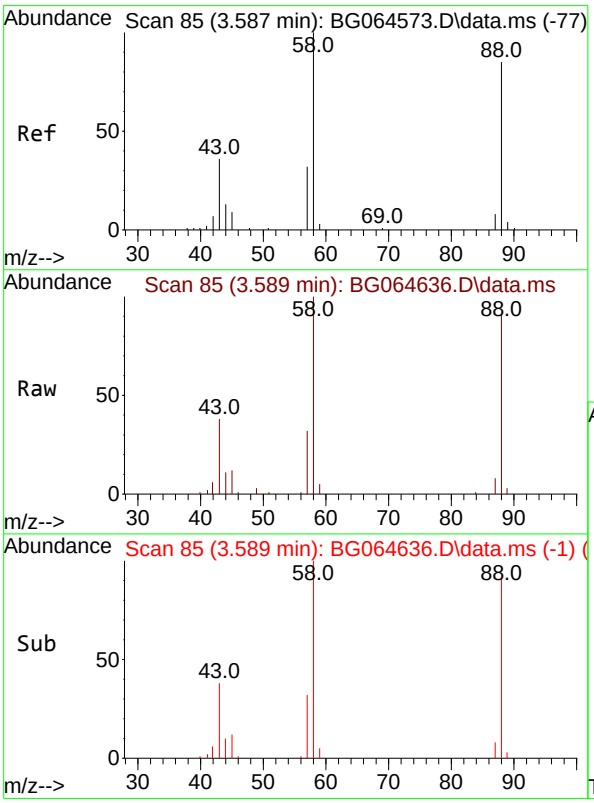
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 32501

Ion	Ratio	Lower	Upper
152	100		
150	161.4	122.2	183.4
115	59.3	50.8	76.2

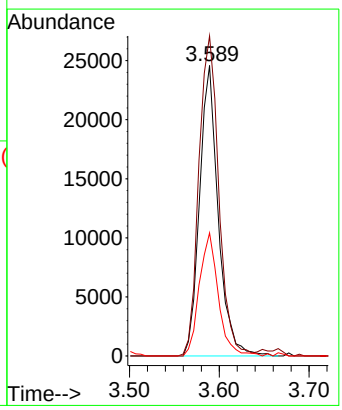


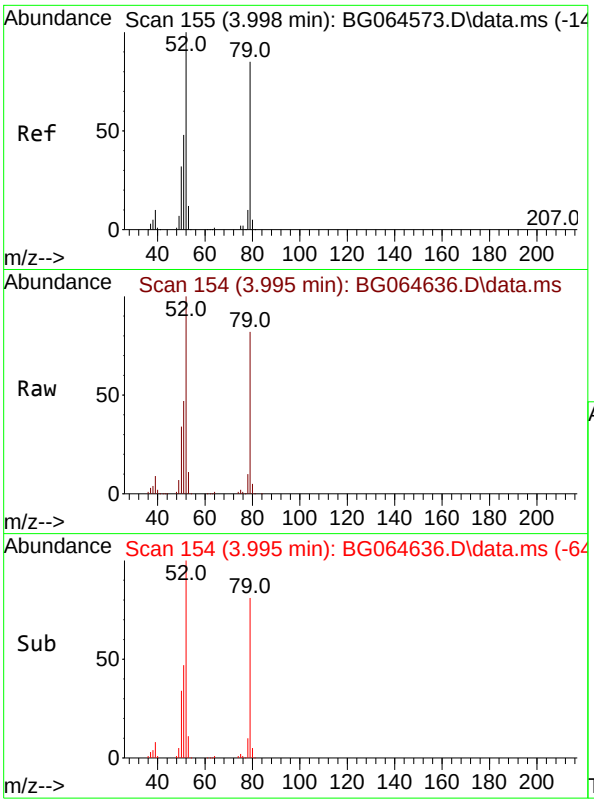


#2
1,4-Dioxane
Concen: 41.400 ng
RT: 3.589 min Scan# 85
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion: 88 Resp: 35491

Ion	Ratio	Lower	Upper
88	100		
58	117.3	92.4	138.6
43	43.0	33.0	49.6



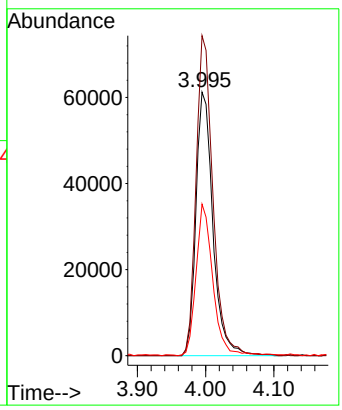


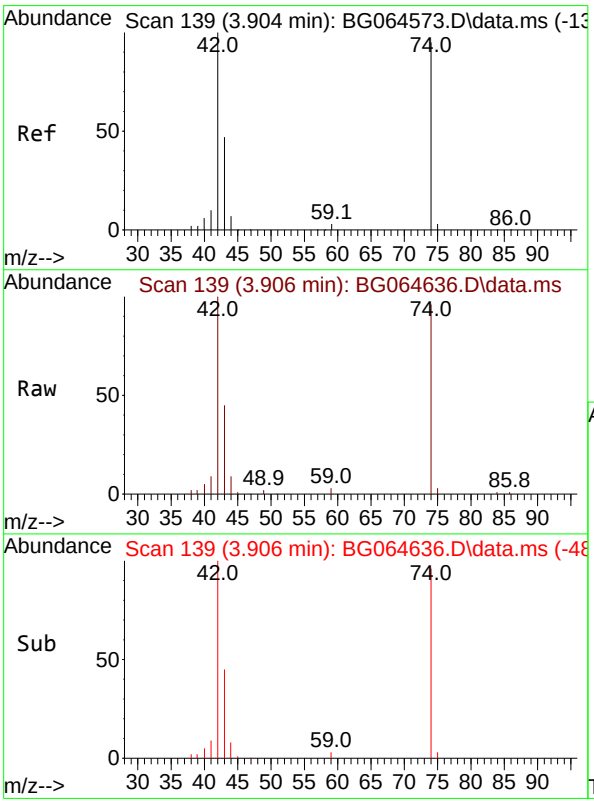
#3
Pyridine
Concen: 41.054 ng
RT: 3.995 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 105689

Ion	Ratio	Lower	Upper
79	100		
52	121.4	94.2	141.2
51	57.5	46.1	69.1

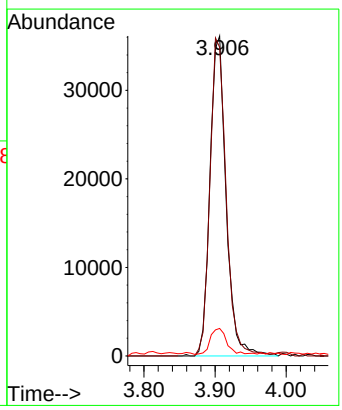


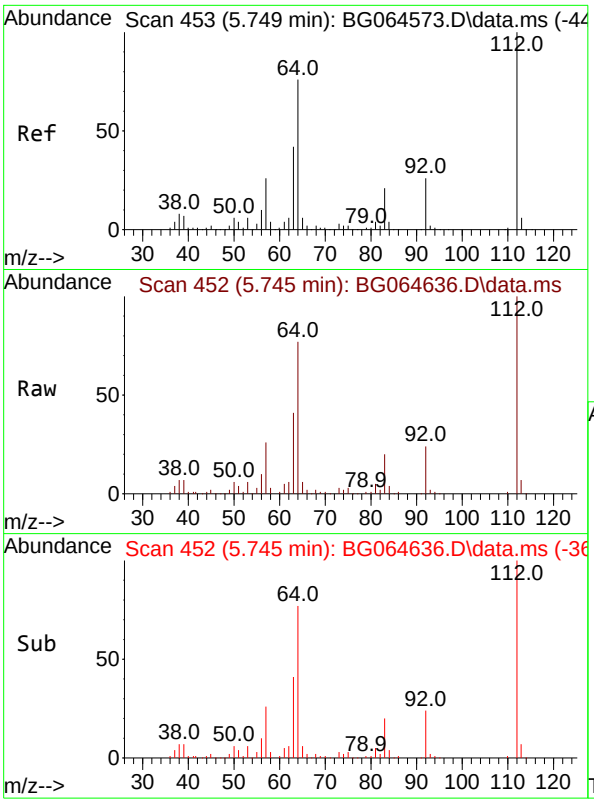


#4
n-Nitrosodimethylamine
Concen: 41.282 ng
RT: 3.906 min Scan# 139
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion: 42 Resp: 56991

Ion	Ratio	Lower	Upper
42	100		
74	96.5	76.1	114.1
44	8.6	6.3	9.5



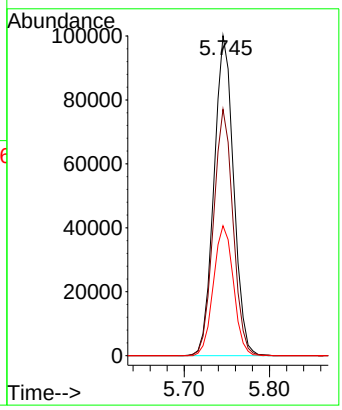


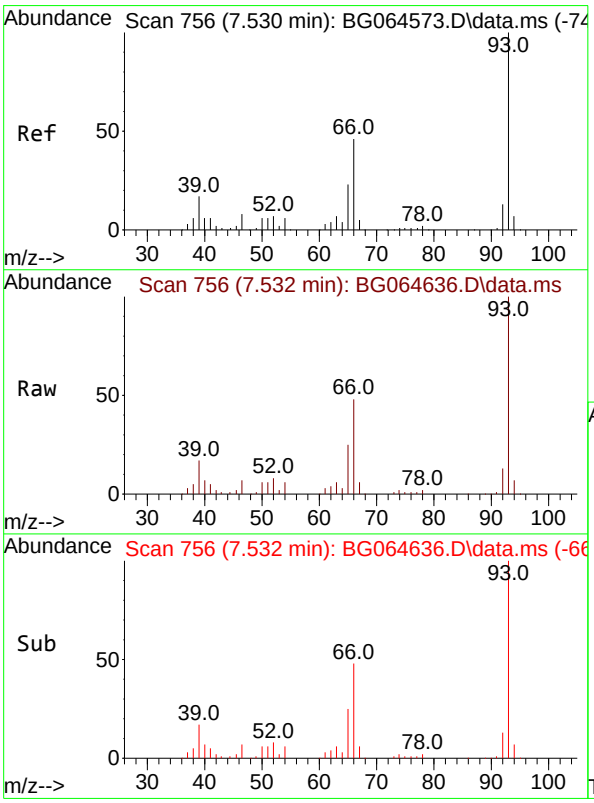
#5
2-Fluorophenol
Concen: 82.805 ng
RT: 5.745 min Scan# 4
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 160336

Ion	Ratio	Lower	Upper
112	100		
64	77.0	60.7	91.1
63	40.6	33.4	50.0

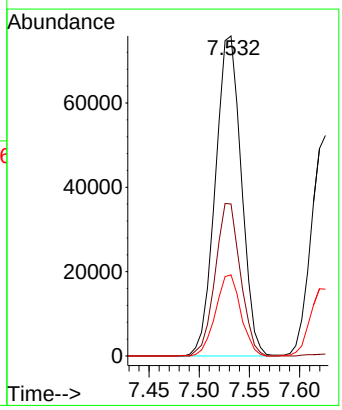


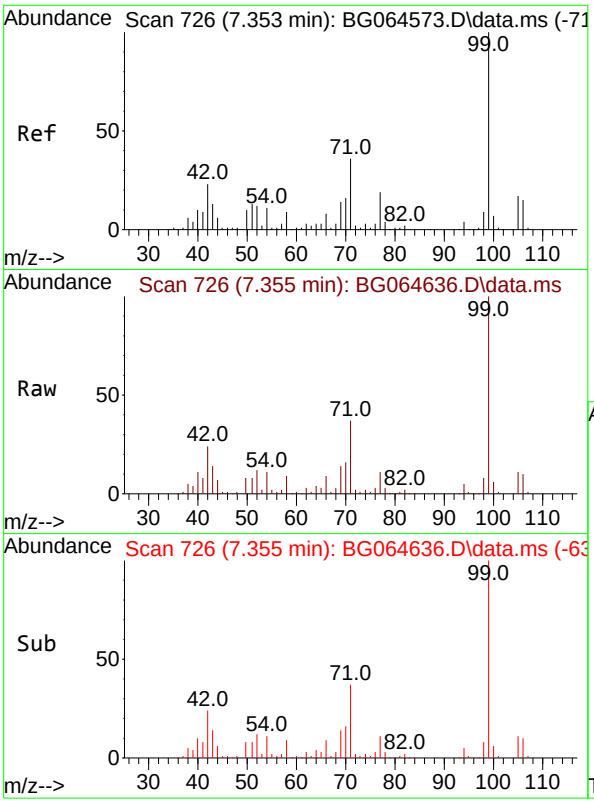


#6
Aniline
Concen: 37.797 ng
RT: 7.532 min Scan# 756
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion: 93 Resp: 136655

Ion	Ratio	Lower	Upper
93	100		
66	47.5	37.0	55.6
65	25.4	18.3	27.5



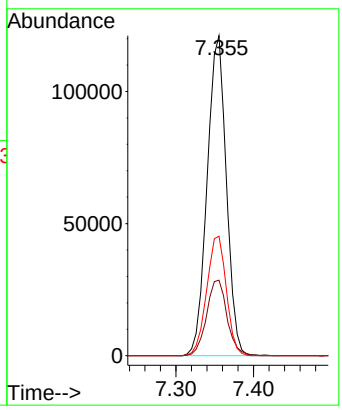


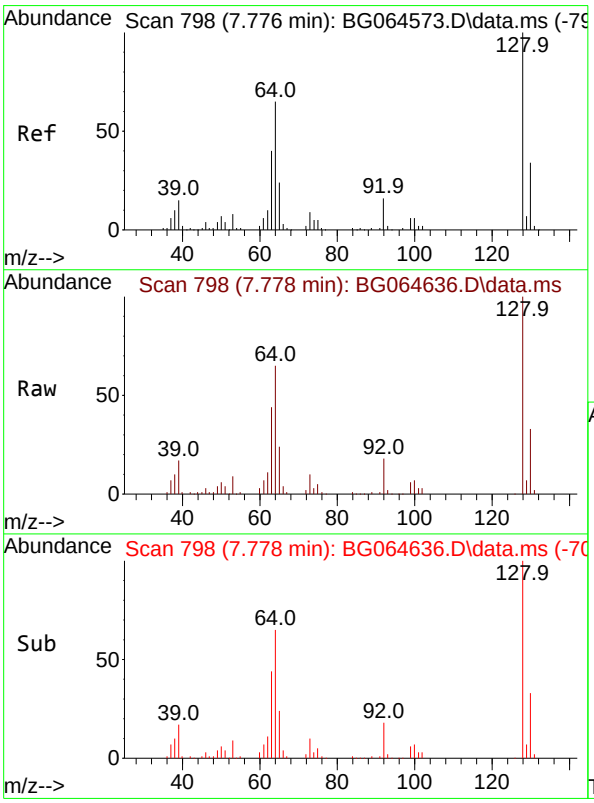
#7
Phenol-d6
Concen: 78.424 ng
RT: 7.355 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 208374

Ion	Ratio	Lower	Upper
99	100		
42	23.6	18.3	27.5
71	37.4	28.6	43.0

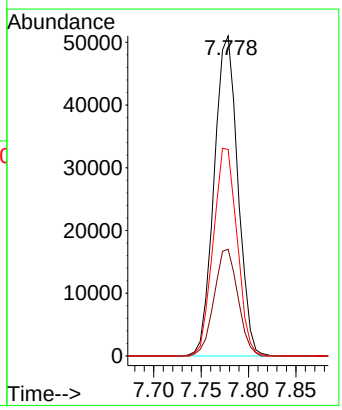


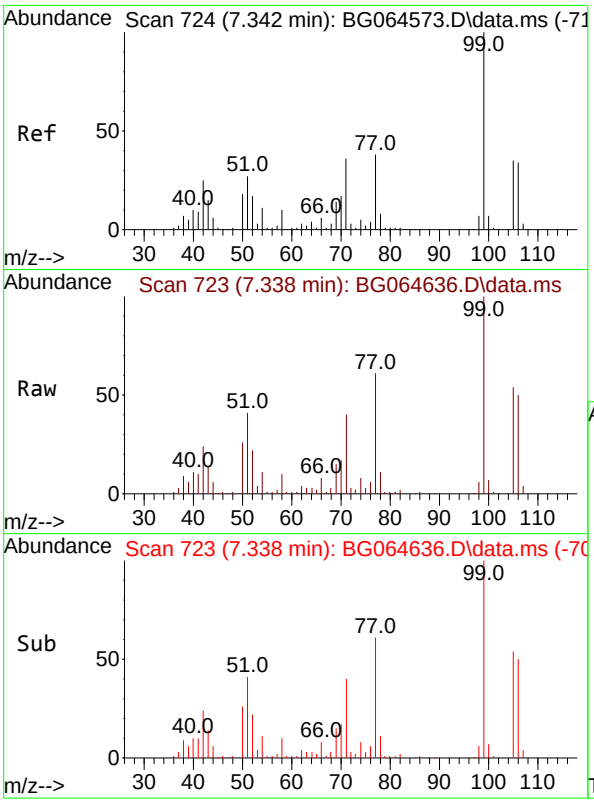


#8
2-Chlorophenol
Concen: 43.910 ng
RT: 7.778 min Scan# 798
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:128 Resp: 88994

Ion	Ratio	Lower	Upper
128	100		
130	33.4	13.5	53.5
64	64.6	45.2	85.2



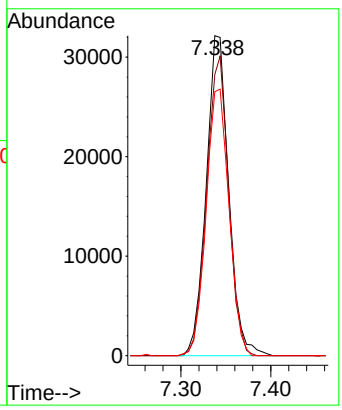


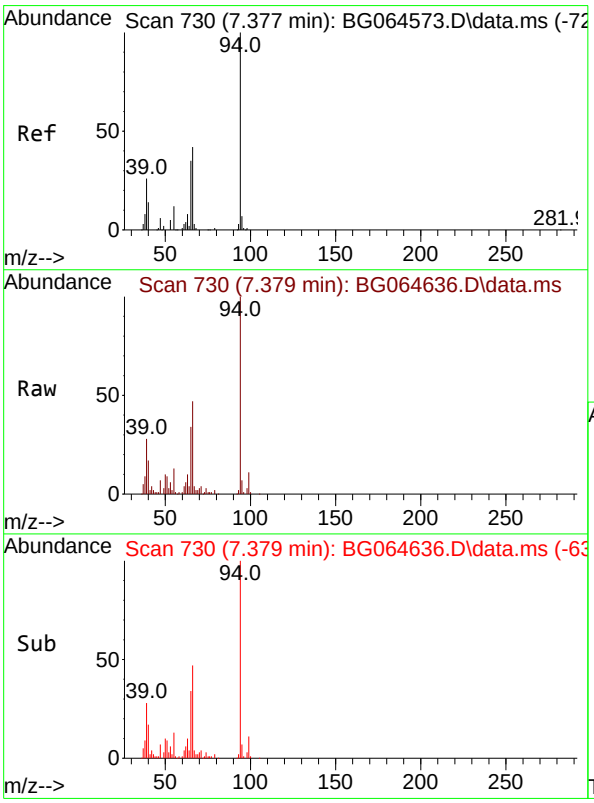
#9
Benzaldehyde
Concen: 38.596 ng
RT: 7.338 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 55986

Ion	Ratio	Lower	Upper
77	100		
105	87.9	72.9	112.9
106	82.5	70.8	110.8

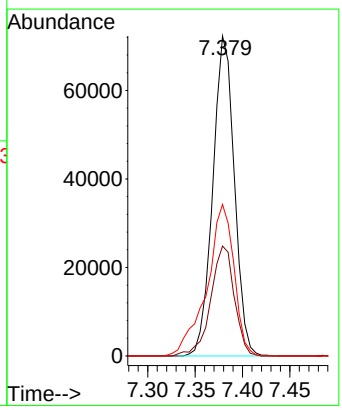


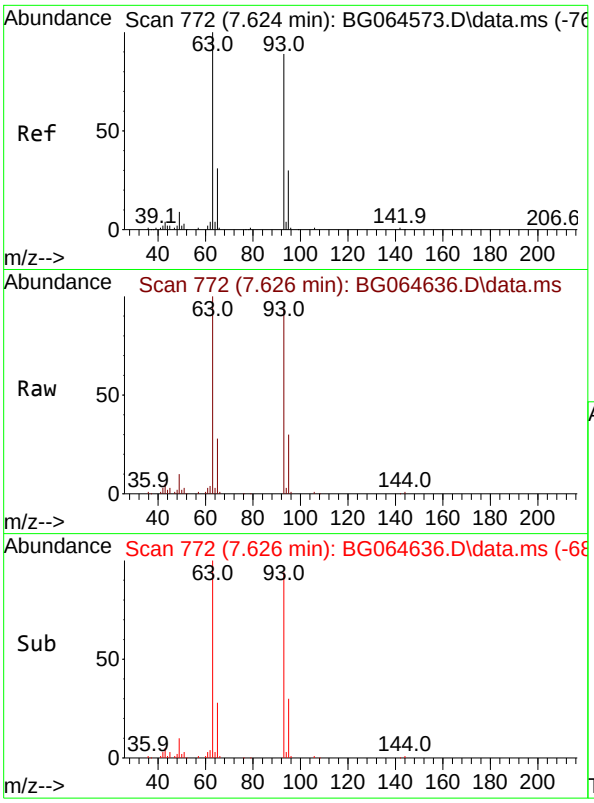


#10
Phenol
Concen: 38.953 ng
RT: 7.379 min Scan# 730
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion: 94 Resp: 114461

Ion	Ratio	Lower	Upper
94	100		
65	34.4	15.8	55.8
66	47.3	24.0	64.0



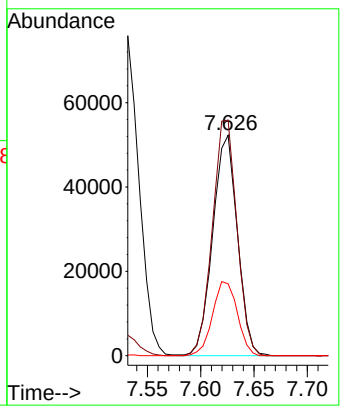


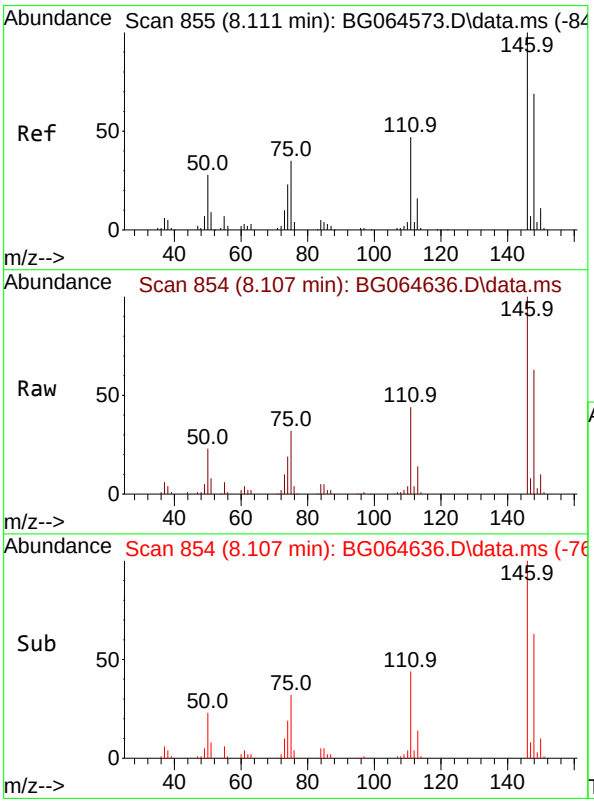
#11
bis(2-Chloroethyl)ether
Concen: 39.002 ng
RT: 7.626 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 84261

Ion	Ratio	Lower	Upper
93	100		
63	106.9	91.3	131.3
95	32.6	13.3	53.3

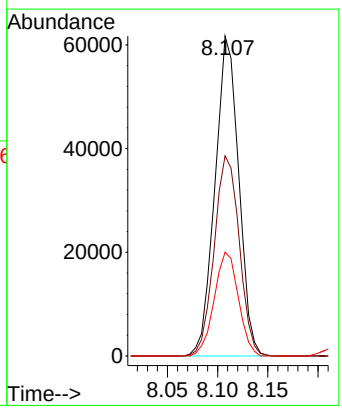


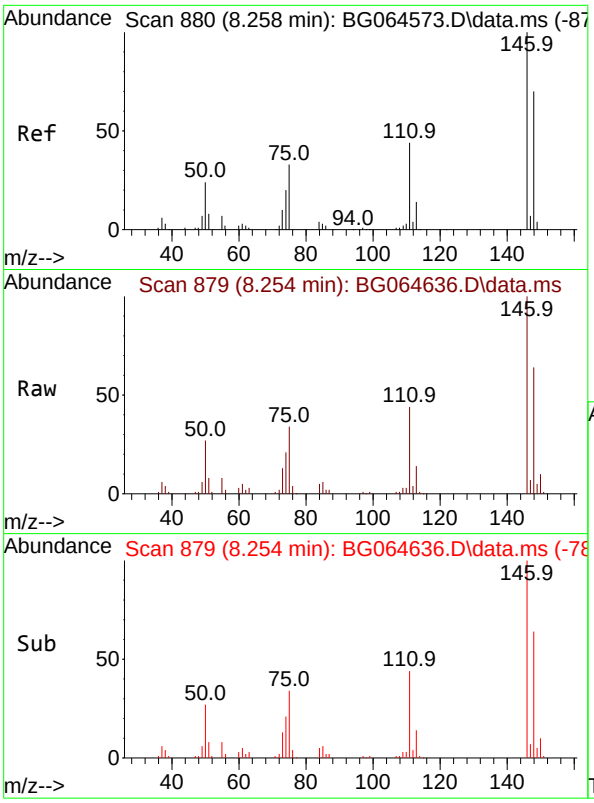


#12
1,3-Dichlorobenzene
Concen: 43.441 ng
RT: 8.107 min Scan# 854
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:146 Resp: 101335

Ion	Ratio	Lower	Upper
146	100		
148	62.6	55.3	82.9
75	32.5	28.2	42.2



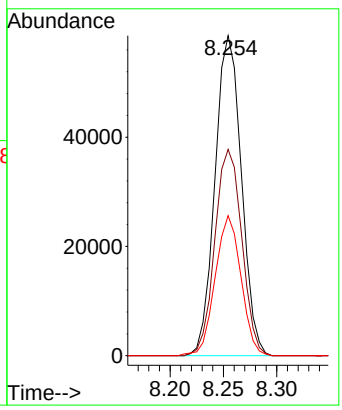


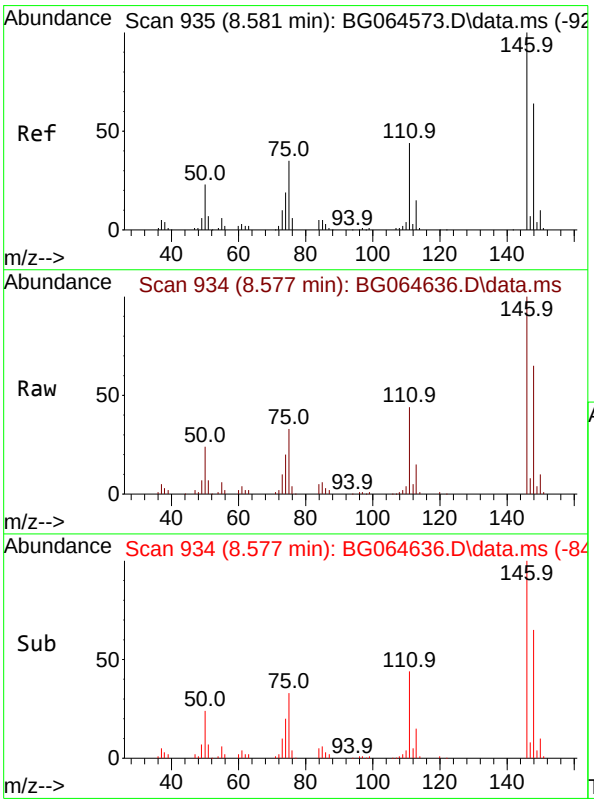
#13
1,4-Dichlorobenzene
Concen: 42.528 ng
RT: 8.254 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 100871

Ion	Ratio	Lower	Upper
146	100		
148	64.4	56.2	84.4
111	43.8	35.4	53.0

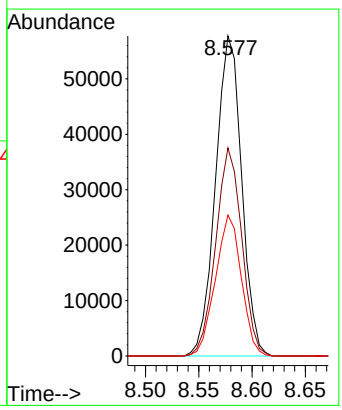


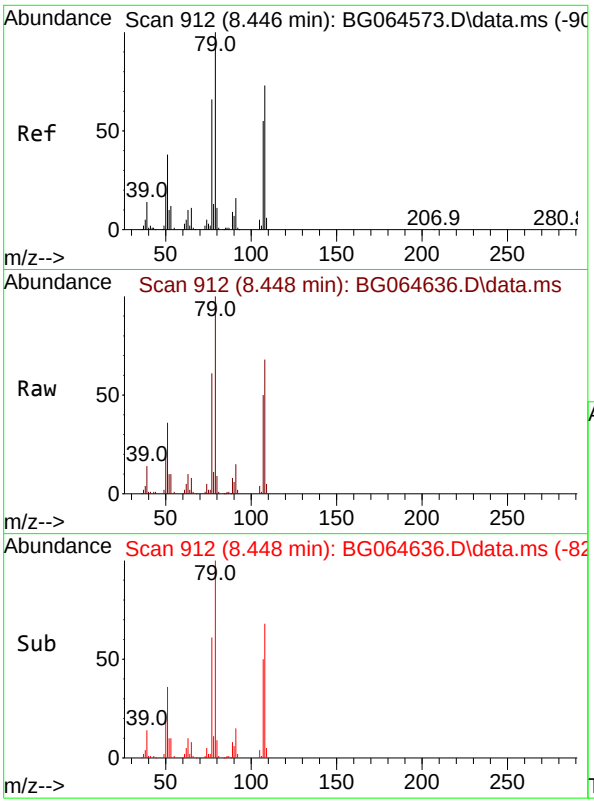


#14
1,2-Dichlorobenzene
Concen: 42.953 ng
RT: 8.577 min Scan# 934
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:146 Resp: 98266

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.5	77.3
111	44.0	35.0	52.6



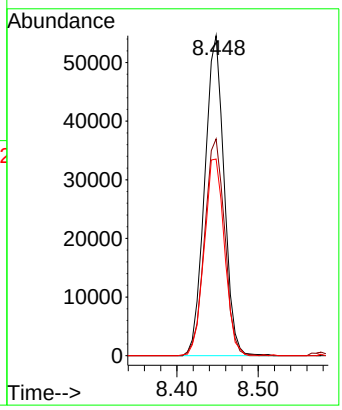


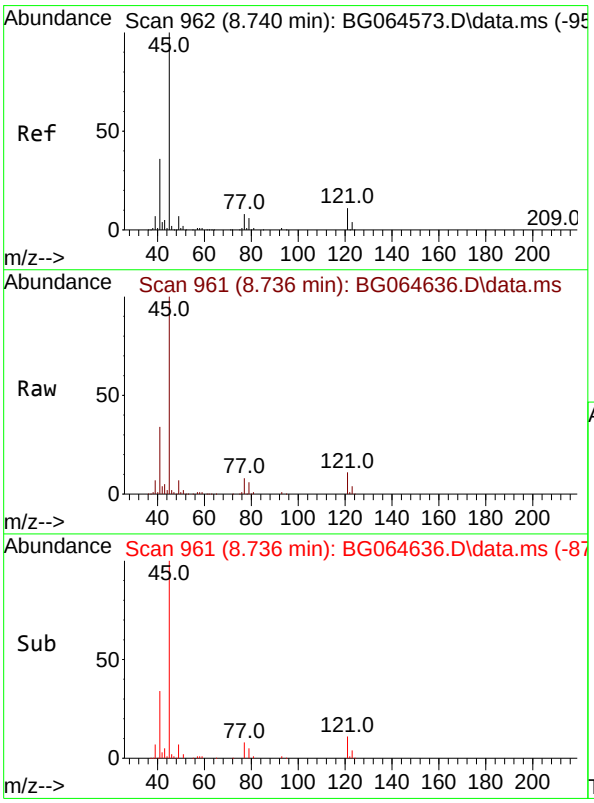
#15
Benzyl Alcohol
Concen: 41.237 ng
RT: 8.448 min Scan# 91
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 90352

Ion	Ratio	Lower	Upper
79	100		
108	67.8	58.1	87.1
77	61.5	52.8	79.2

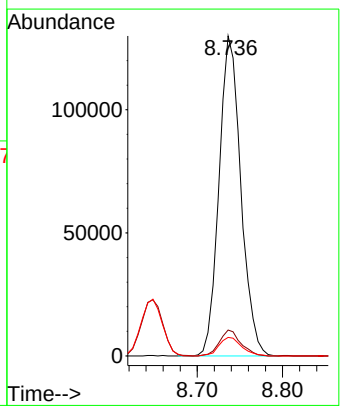


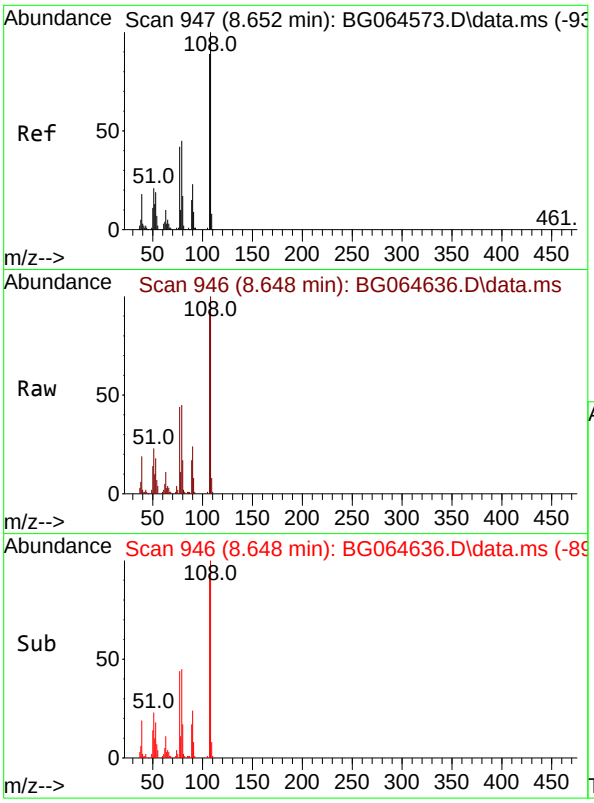


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.856 ng
RT: 8.736 min Scan# 961
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion: 45 Resp: 231528

Ion	Ratio	Lower	Upper
45	100		
77	8.1	0.0	28.5
79	5.8	0.0	25.6



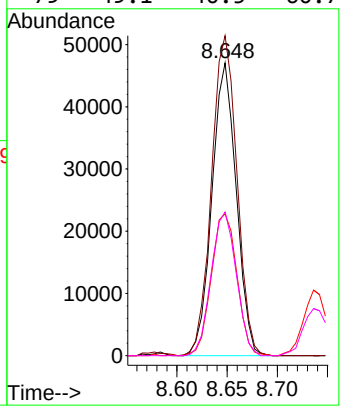


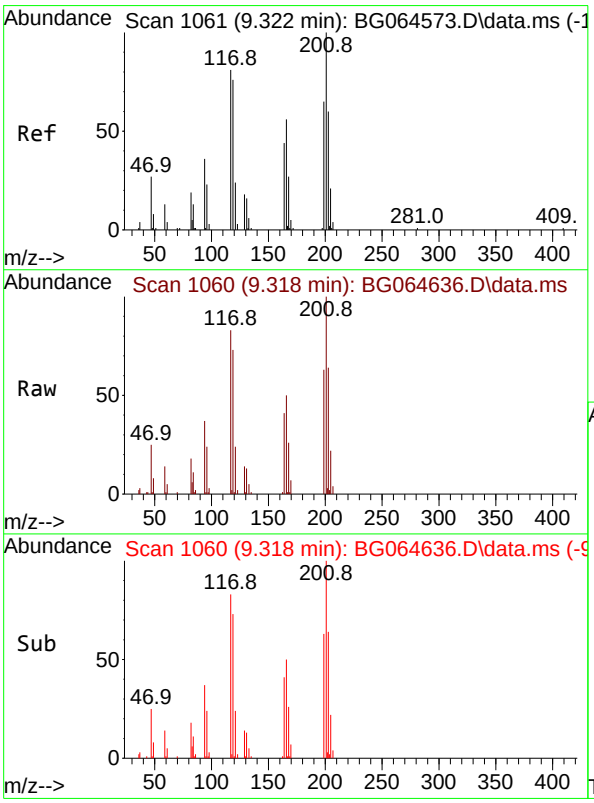
#17
2-Methylphenol
Concen: 40.671 ng
RT: 8.648 min Scan# 94
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 79347

Ion	Ratio	Lower	Upper
107	100		
108	109.3	90.0	135.0
77	48.4	37.8	56.8
79	49.1	40.5	60.7

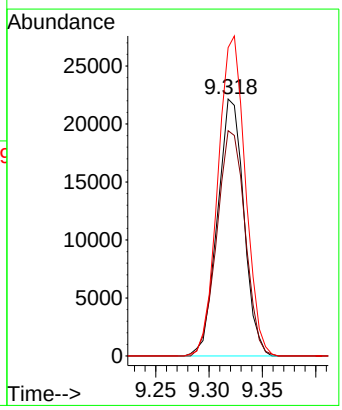


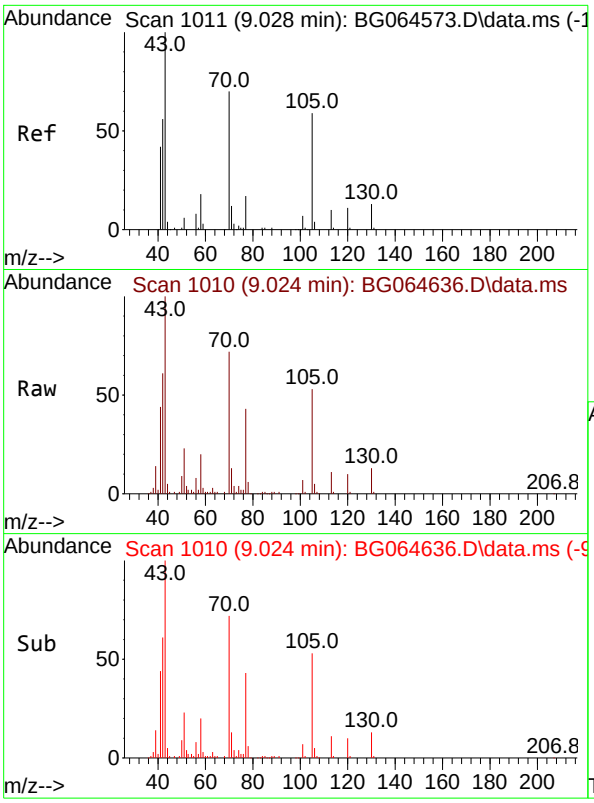


#18
Hexachloroethane
Concen: 45.739 ng
RT: 9.318 min Scan# 1060
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:117 Resp: 38071

Ion	Ratio	Lower	Upper
117	100		
119	87.7	75.4	113.2
201	120.0	99.2	148.8



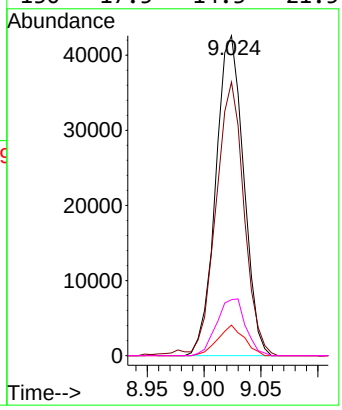


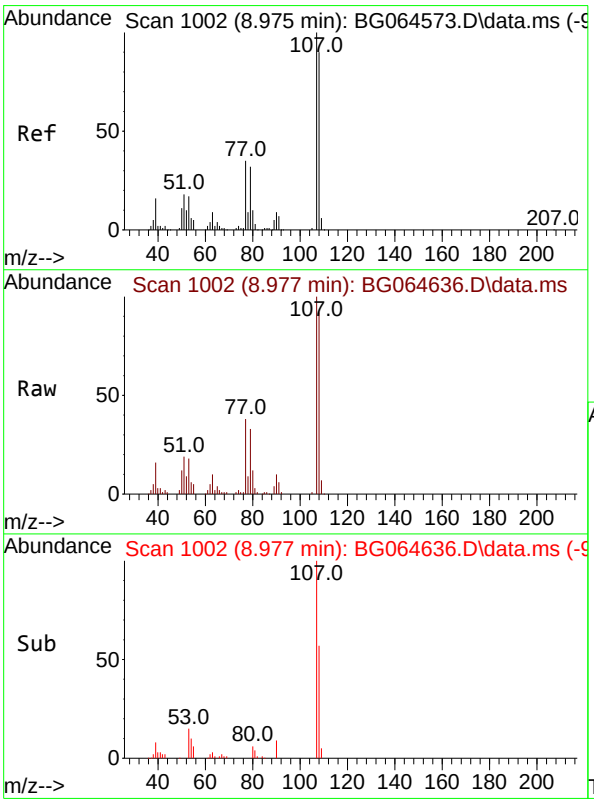
#19
n-Nitroso-di-n-propylamine
Concen: 39.522 ng
RT: 9.024 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 72573

Ion	Ratio	Lower	Upper
70	100		
42	85.5	65.2	97.8
101	9.6	7.9	11.9
130	17.5	14.3	21.5

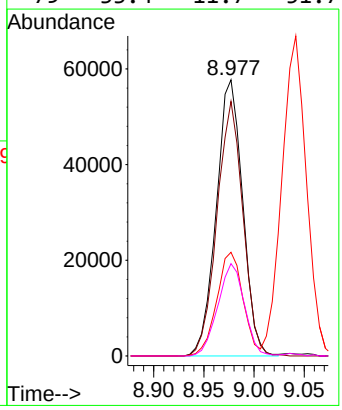


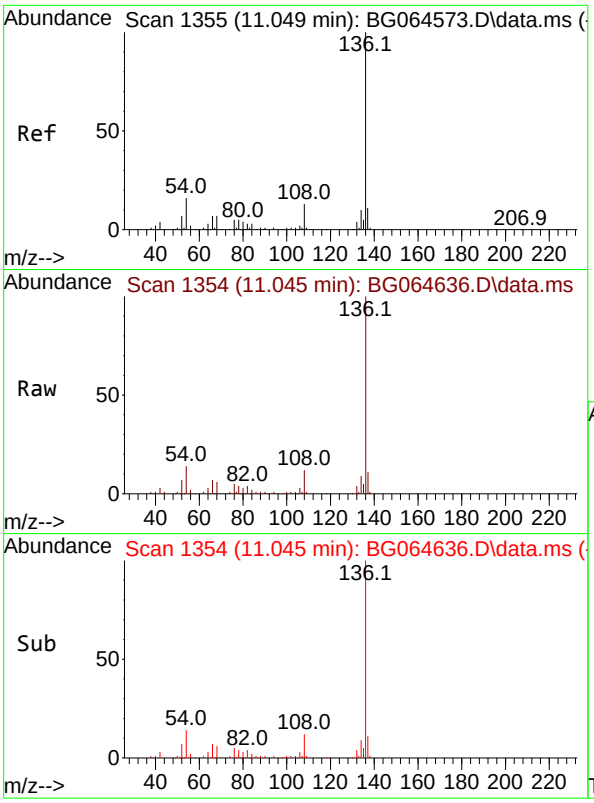


#20
3+4-Methylphenols
Concen: 38.381 ng
RT: 8.977 min Scan# 1002
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:107 Resp: 105306

Ion	Ratio	Lower	Upper
107	100		
108	92.2	70.3	110.3
77	37.6	14.6	54.6
79	33.4	11.7	51.7



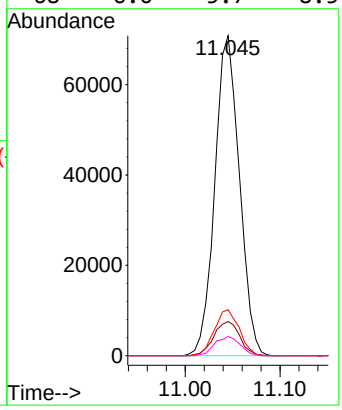


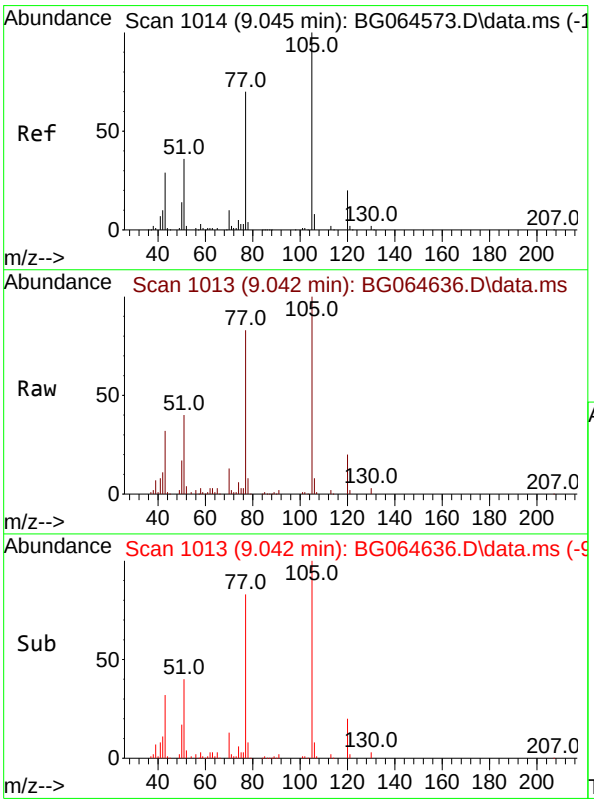
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 127691

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	14.4	12.6	19.0
68	6.0	5.7	8.5

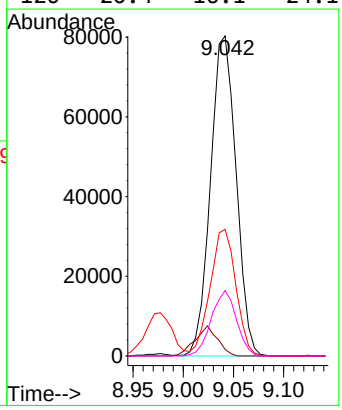


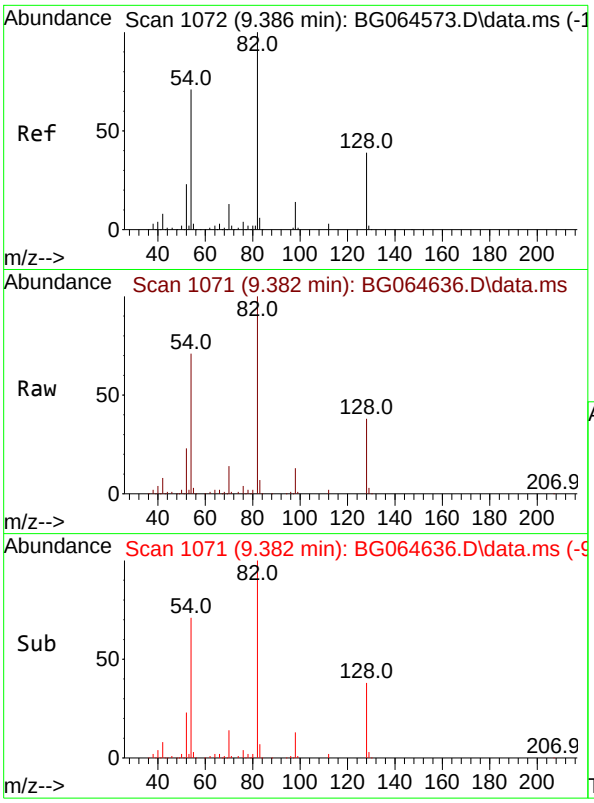


#22
Acetophenone
Concen: 40.856 ng
RT: 9.042 min Scan# 1013
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:105 Resp: 142610

Ion	Ratio	Lower	Upper
105	100		
71	2.1	1.5	2.3
51	39.6	33.7	50.5
120	20.4	16.1	24.1



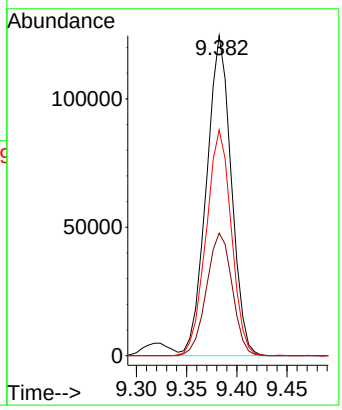


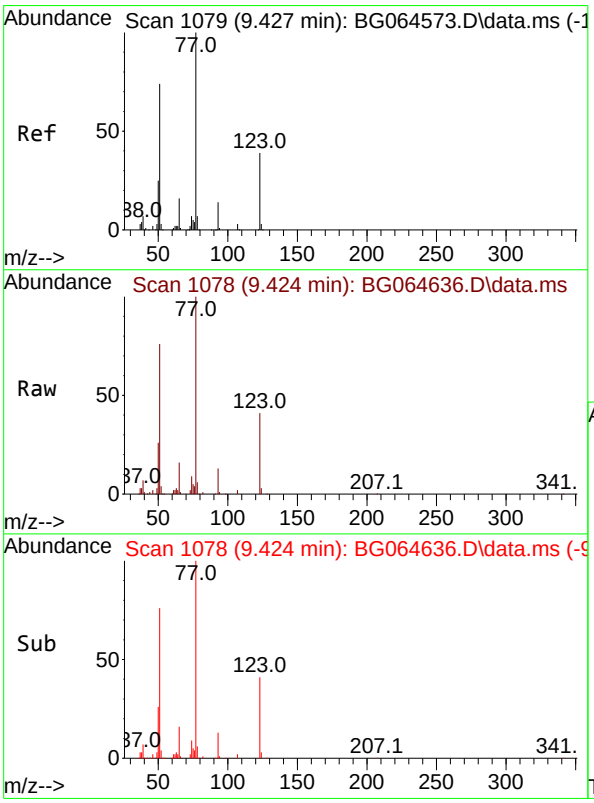
#23
Nitrobenzene-d5
Concen: 100.795 ng
RT: 9.382 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 214287

Ion	Ratio	Lower	Upper
82	100		
128	38.3	31.3	46.9
54	70.5	56.6	84.8

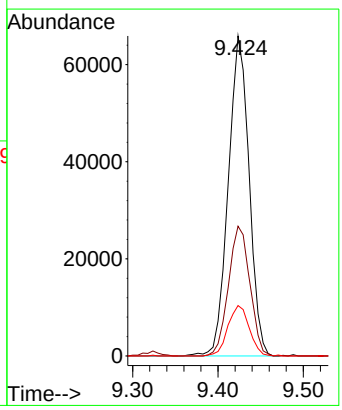


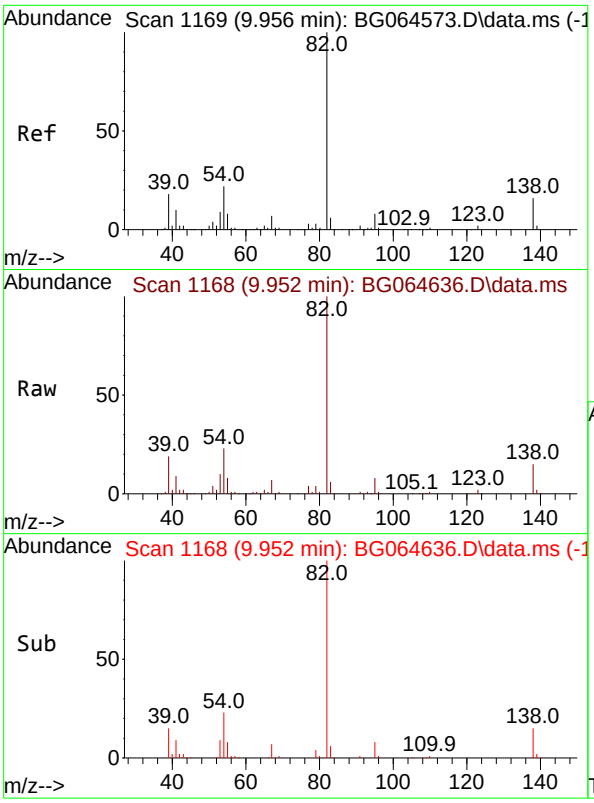


#24
Nitrobenzene
Concen: 48.375 ng
RT: 9.424 min Scan# 1078
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion: 77 Resp: 111858

Ion	Ratio	Lower	Upper
77	100		
123	40.6	31.0	46.6
65	15.7	12.7	19.1



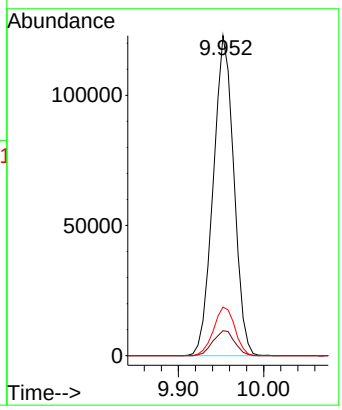


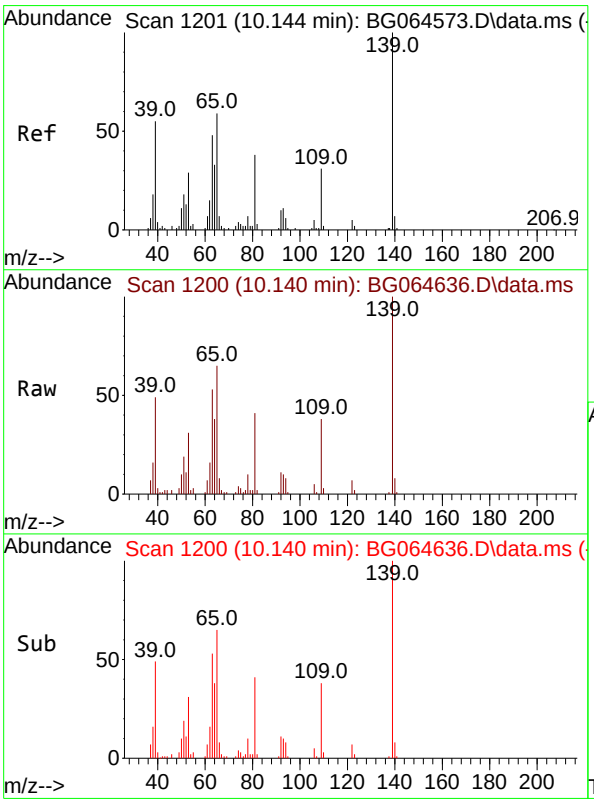
#25
Isophorone
Concen: 40.473 ng
RT: 9.952 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 206469

Ion	Ratio	Lower	Upper
82	100		
95	7.8	6.1	9.1
138	15.2	13.0	19.4

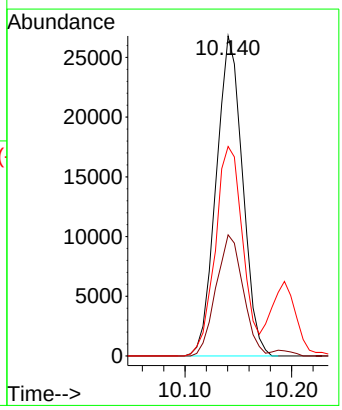


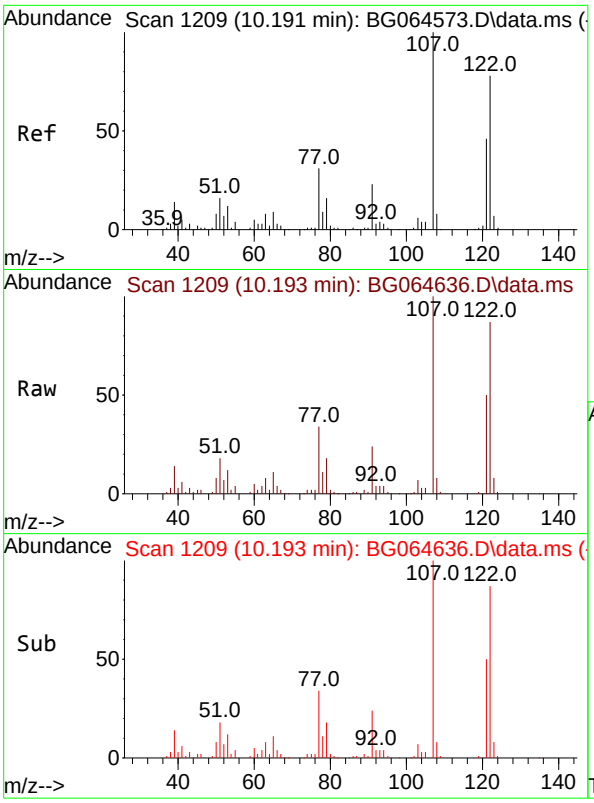


#26
2-Nitrophenol
Concen: 51.379 ng
RT: 10.140 min Scan# 1200
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:139 Resp: 46050

Ion	Ratio	Lower	Upper
139	100		
109	37.8	24.6	37.0#
65	65.4	47.5	71.3



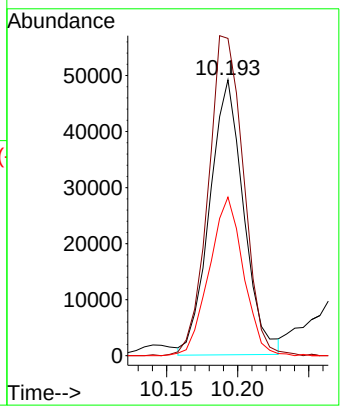


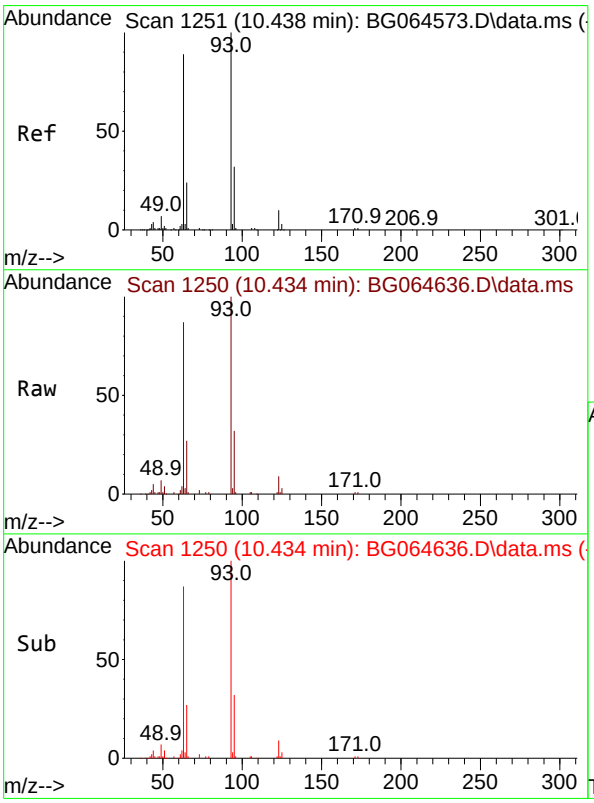
#27
2,4-Dimethylphenol
Concen: 43.090 ng
RT: 10.193 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 81767

Ion	Ratio	Lower	Upper
122	100		
107	115.0	103.0	154.4
121	57.5	47.8	71.8

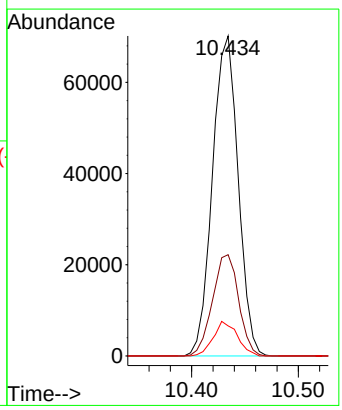


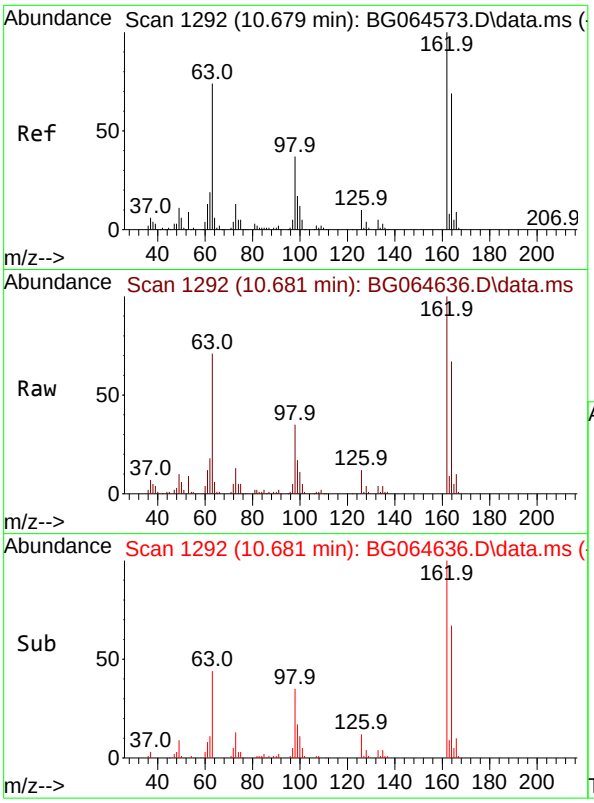


#28
bis(2-Chloroethoxy)methane
Concen: 40.406 ng
RT: 10.434 min Scan# 1250
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion: 93 Resp: 117360

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.4	38.2
123	9.4	8.4	12.6



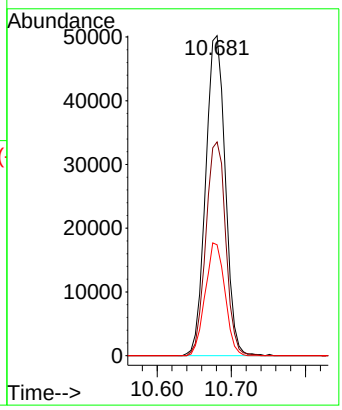


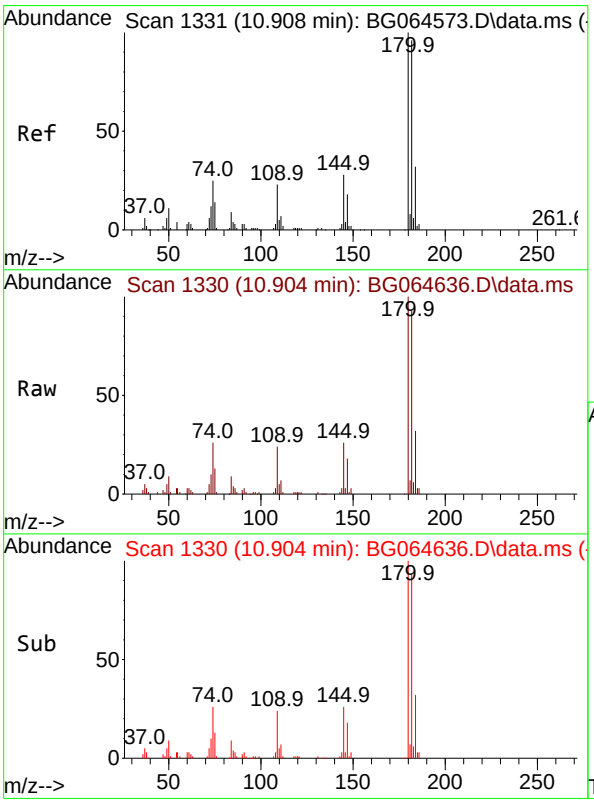
#29
2,4-Dichlorophenol
Concen: 45.182 ng
RT: 10.681 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 92269

Ion	Ratio	Lower	Upper
162	100		
164	66.8	48.7	88.7
98	34.7	16.9	56.9

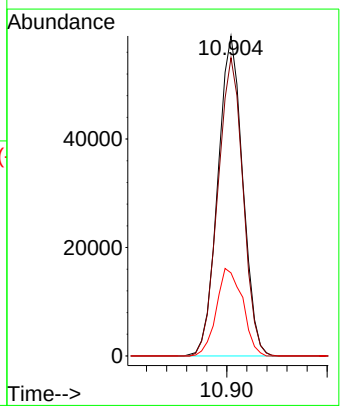


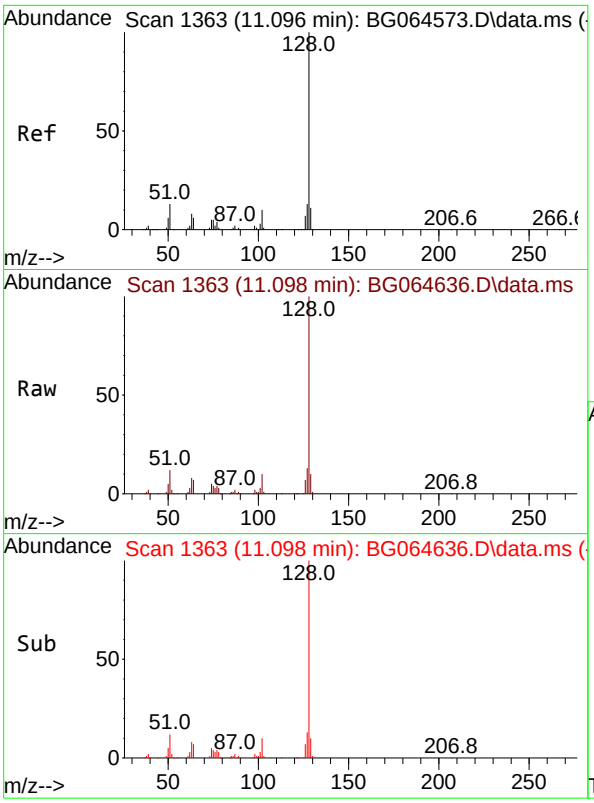


#30
1,2,4-Trichlorobenzene
Concen: 43.767 ng
RT: 10.904 min Scan# 1330
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:180 Resp: 101552

Ion	Ratio	Lower	Upper
180	100		
182	93.2	76.9	115.3
145	26.0	22.1	33.1



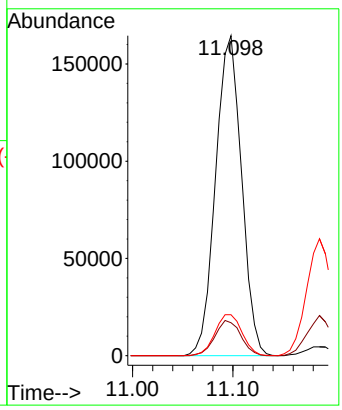


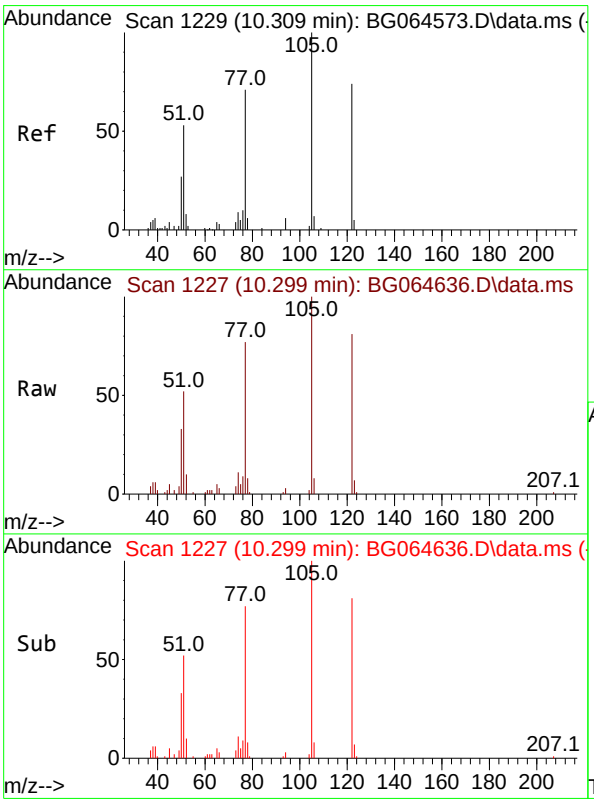
#31
Naphthalene
Concen: 41.755 ng
RT: 11.098 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 295608

Ion	Ratio	Lower	Upper
128	100		
129	10.3	8.8	13.2
127	12.8	10.6	15.8

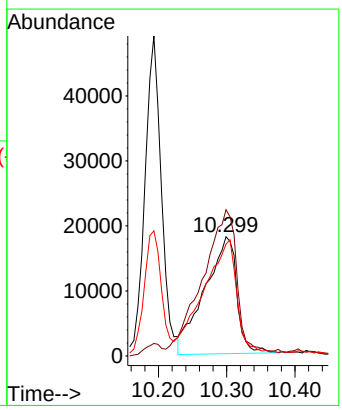


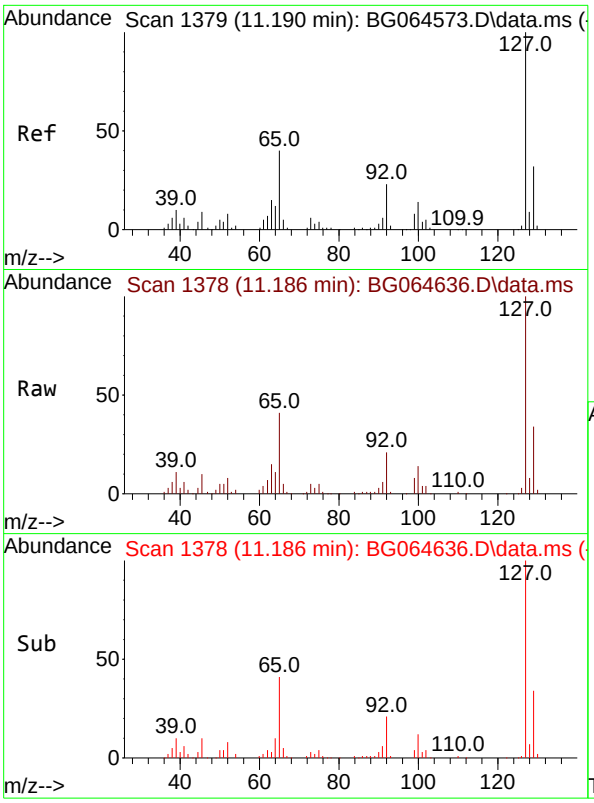


#32
Benzoic acid
Concen: 41.641 ng
RT: 10.299 min Scan# 1227
Delta R.T. -0.010 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:122 Resp: 58855

Ion	Ratio	Lower	Upper
122	100		
105	122.7	104.2	144.2
77	93.9	70.2	110.2



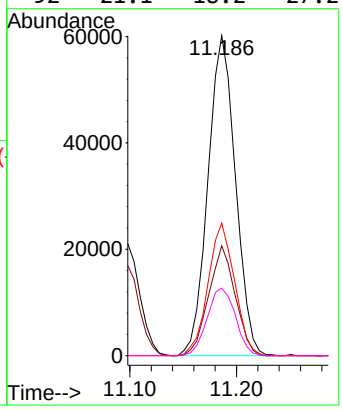


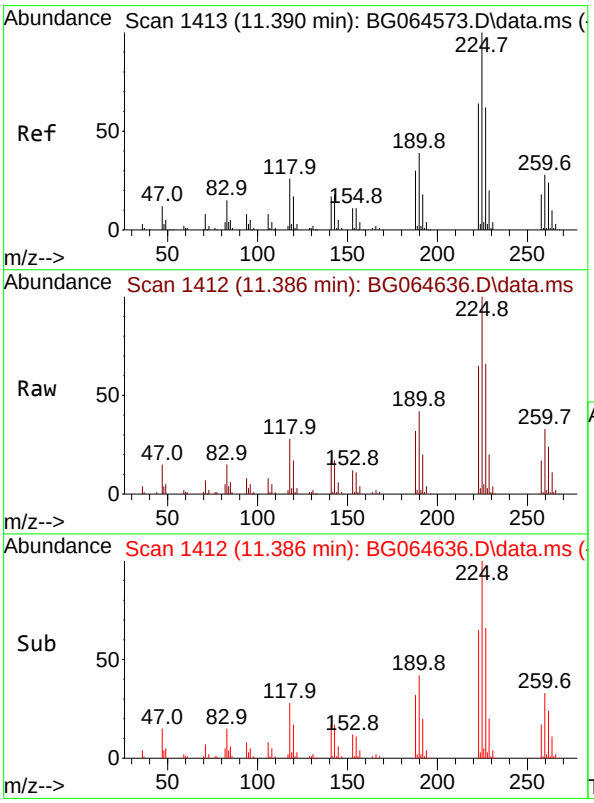
#33
4-Chloroaniline
Concen: 39.165 ng
RT: 11.186 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 107772

Ion	Ratio	Lower	Upper
127	100		
129	34.3	25.5	38.3
65	41.5	32.2	48.4
92	21.1	18.2	27.2

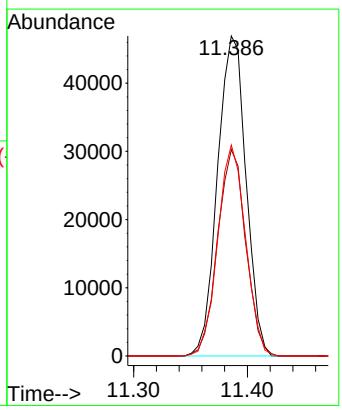


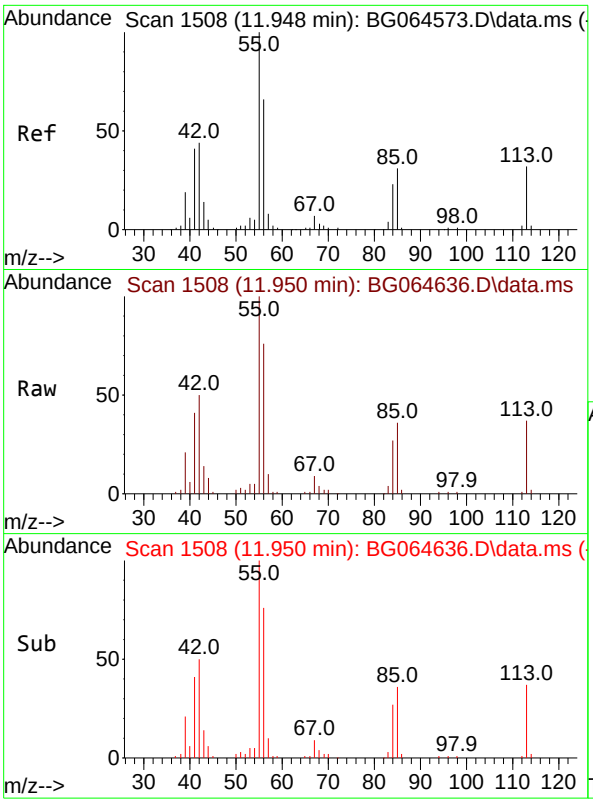


#34
Hexachlorobutadiene
Concen: 44.987 ng
RT: 11.386 min Scan# 1412
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:225 Resp: 81632

Ion	Ratio	Lower	Upper
225	100		
223	64.5	48.8	73.2
227	68.7	49.5	74.3



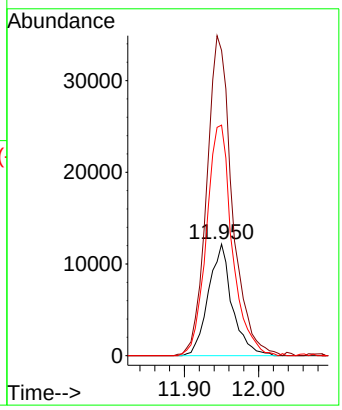


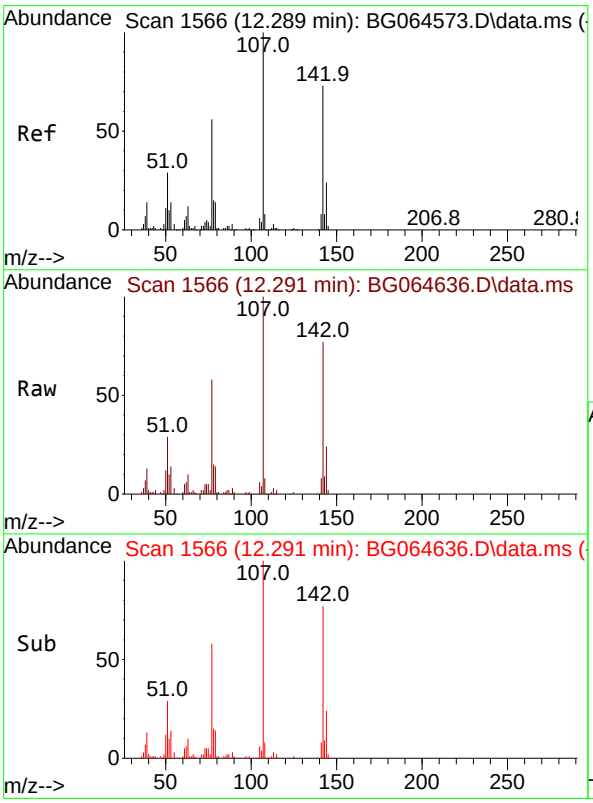
#35
Caprolactam
Concen: 34.554 ng
RT: 11.950 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 27064

Ion	Ratio	Lower	Upper
113	100		
55	273.8	290.1	330.1#
56	206.8	183.8	223.8

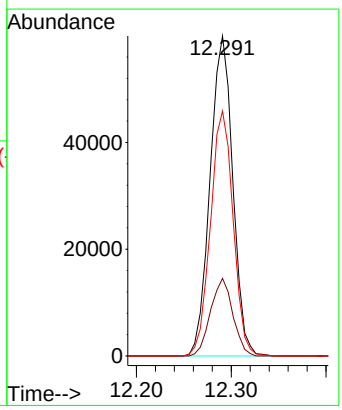


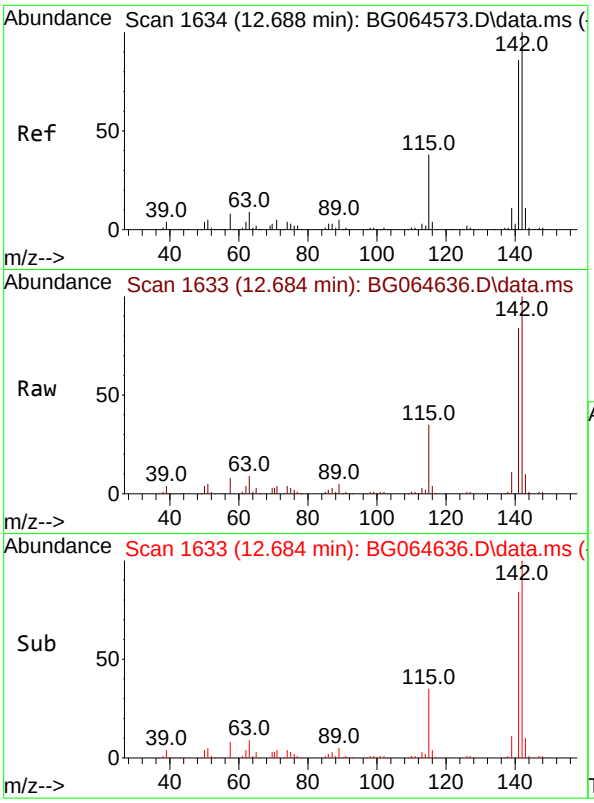


#36
4-Chloro-3-methylphenol
Concen: 40.557 ng
RT: 12.291 min Scan# 1566
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:107 Resp: 99554

Ion	Ratio	Lower	Upper
107	100		
144	24.3	19.1	28.7
142	76.5	58.6	87.8



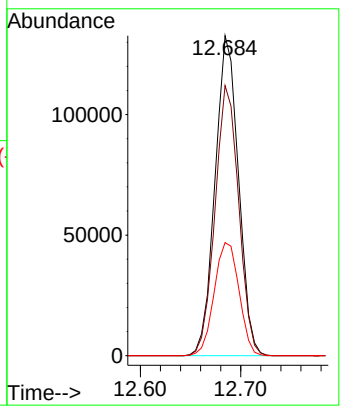


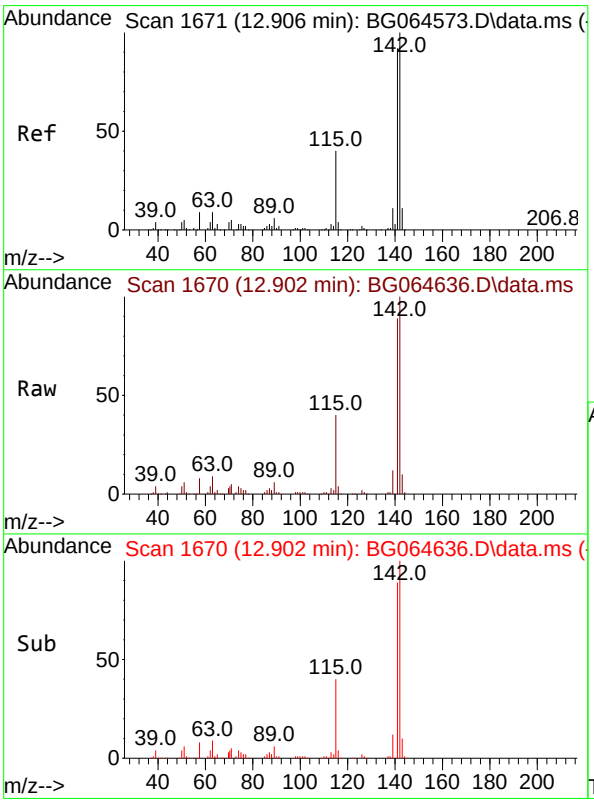
#37
2-Methylnaphthalene
Concen: 41.379 ng
RT: 12.684 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 215078

Ion	Ratio	Lower	Upper
142	100		
141	84.4	68.9	103.3
115	35.3	30.6	46.0

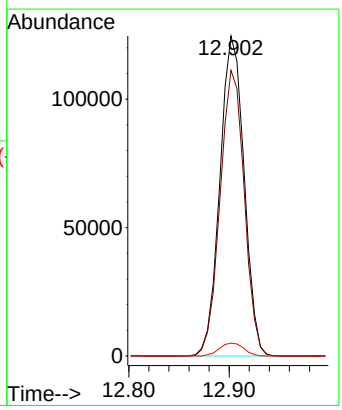


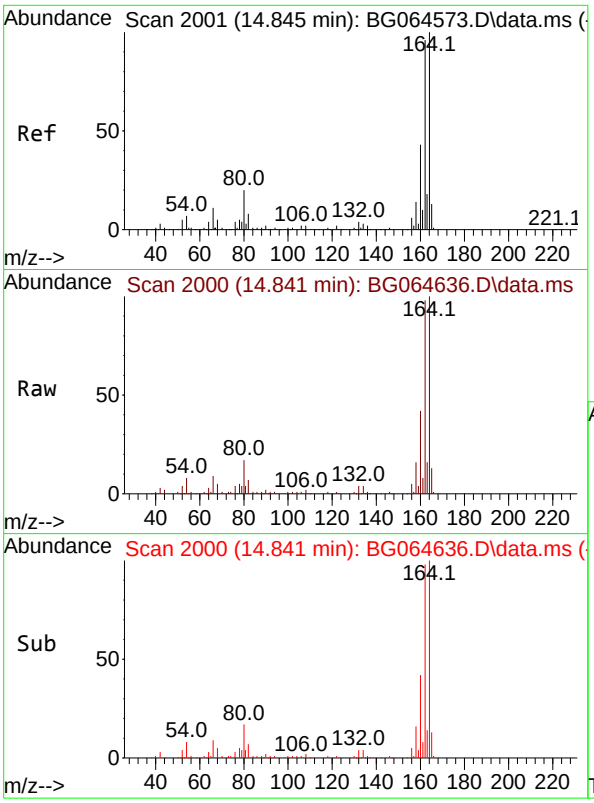


#38
1-Methylnaphthalene
Concen: 40.524 ng
RT: 12.902 min Scan# 1670
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:142 Resp: 208518

Ion	Ratio	Lower	Upper
142	100		
141	89.2	73.3	109.9
116	4.0	3.1	4.7



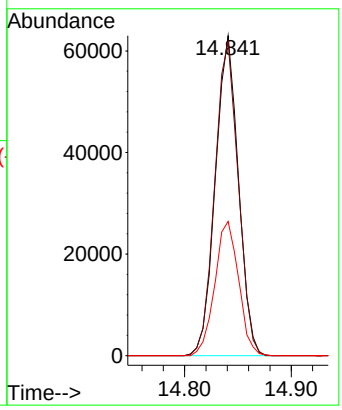


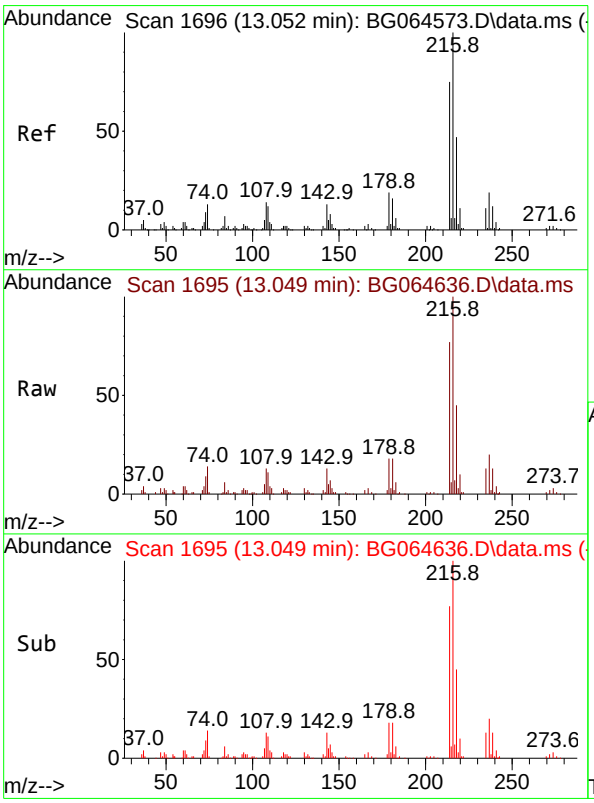
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.841 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 94503

Ion	Ratio	Lower	Upper
164	100		
162	98.1	77.0	115.6
160	42.0	34.4	51.6

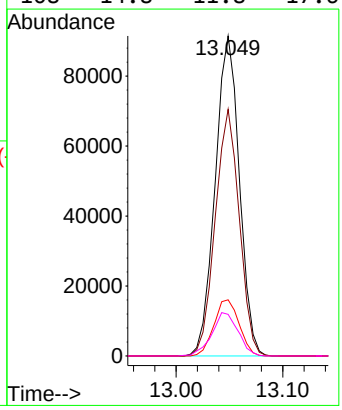


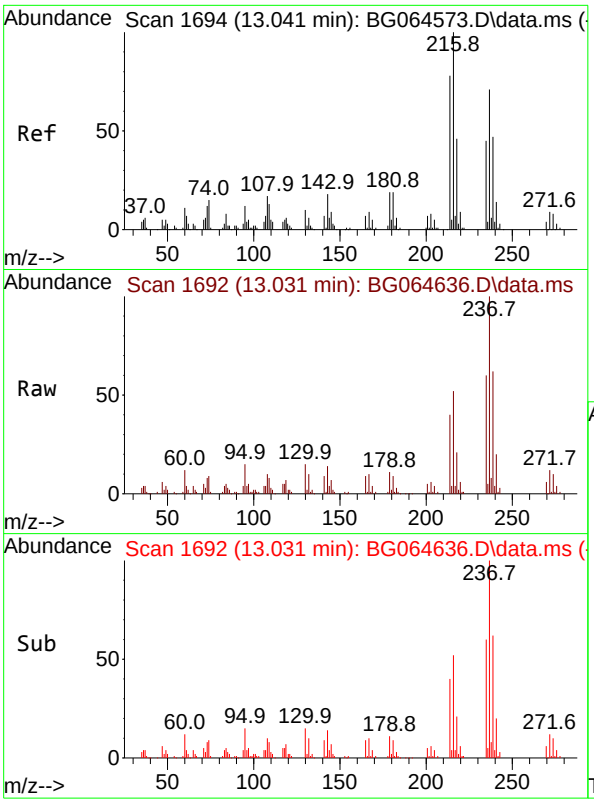


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.407 ng
RT: 13.049 min Scan# 1695
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:216 Resp: 144011

Ion	Ratio	Lower	Upper
216	100		
214	76.5	61.4	92.2
179	18.3	15.4	23.0
108	14.8	11.8	17.6



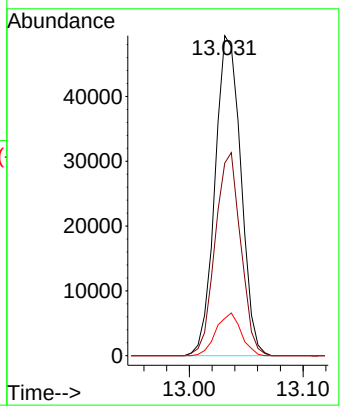


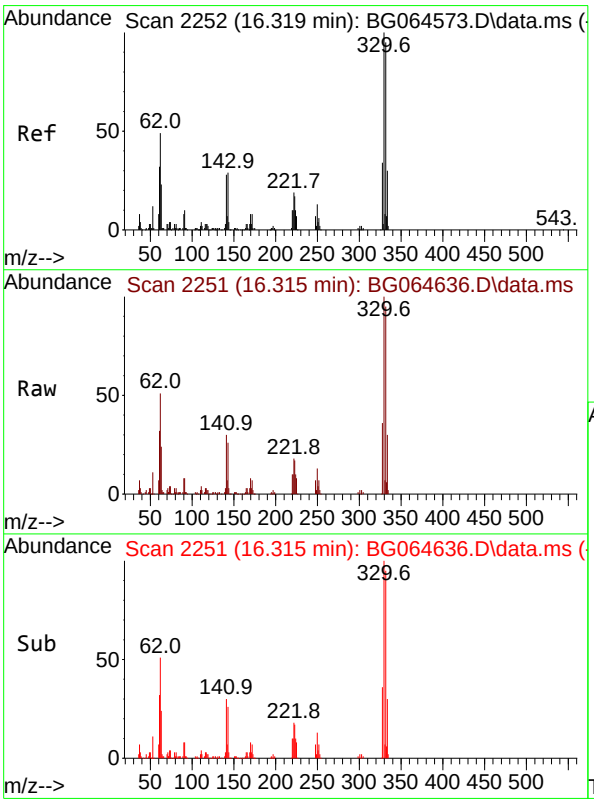
#41
Hexachlorocyclopentadiene
Concen: 54.673 ng
RT: 13.031 min Scan# 1
Delta R.T. -0.010 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 78048

Ion	Ratio	Lower	Upper
237	100		
235	60.2	44.1	84.1
272	11.6	0.0	32.4

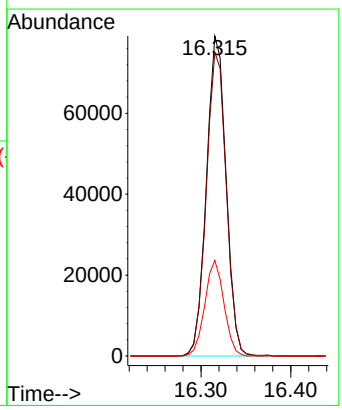


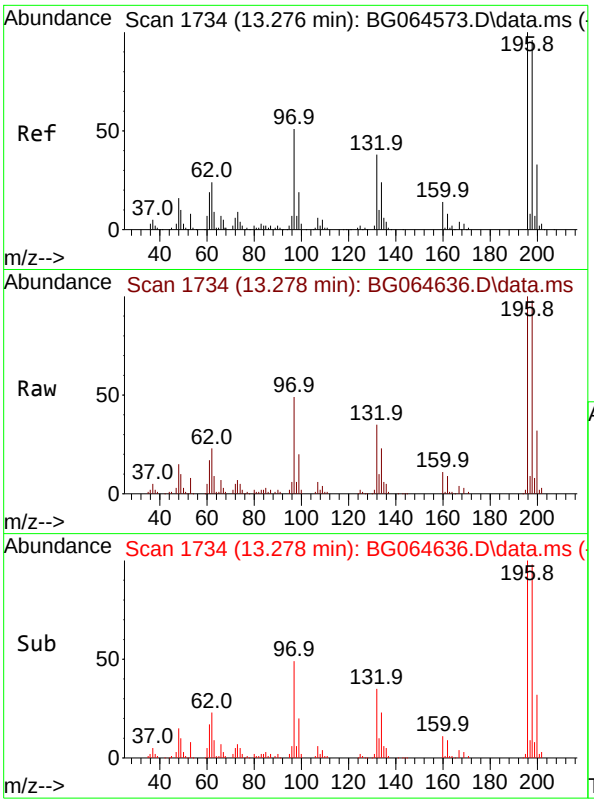


#42
2,4,6-Tribromophenol
Concen: 87.917 ng
RT: 16.315 min Scan# 2251
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:330 Resp: 119915

Ion	Ratio	Lower	Upper
330	100		
332	96.2	78.0	117.0
141	29.0	21.8	32.6



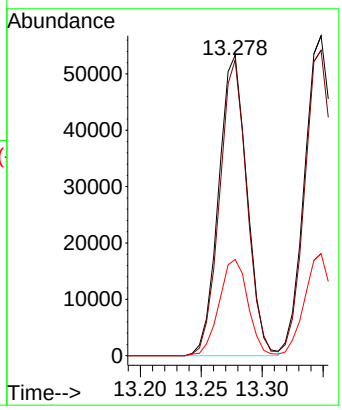


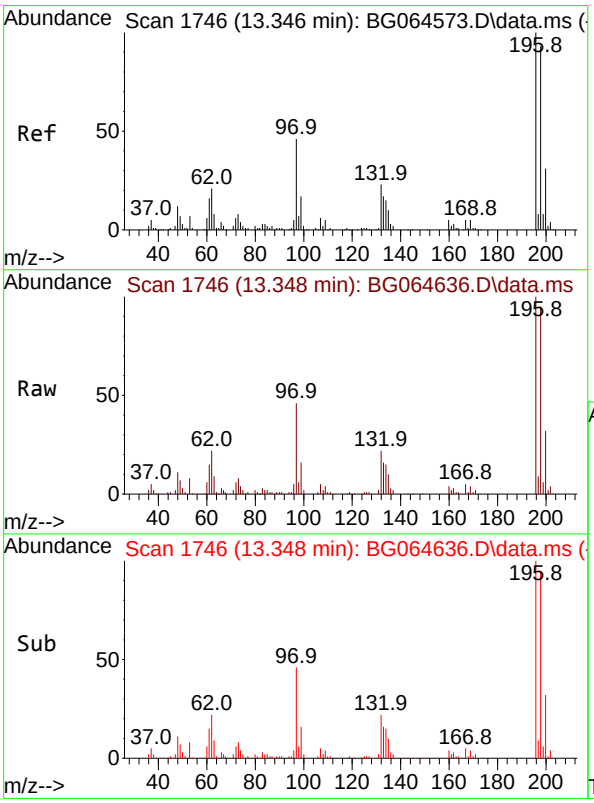
#43
2,4,6-Trichlorophenol
Concen: 47.604 ng
RT: 13.278 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 86362

Ion	Ratio	Lower	Upper
196	100		
198	98.4	76.6	115.0
200	32.0	26.0	39.0

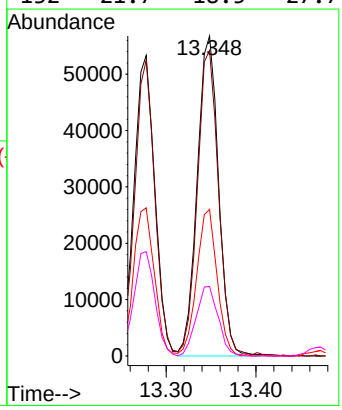


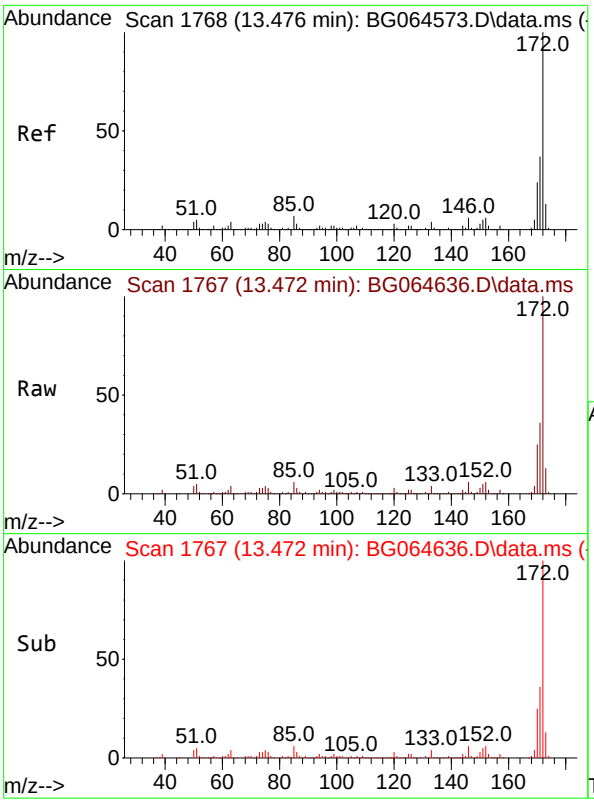


#44
2,4,5-Trichlorophenol
Concen: 44.690 ng
RT: 13.348 min Scan# 1746
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:196 Resp: 93561

Ion	Ratio	Lower	Upper
196	100		
198	95.5	74.2	111.4
97	45.8	37.0	55.6
132	21.7	18.5	27.7



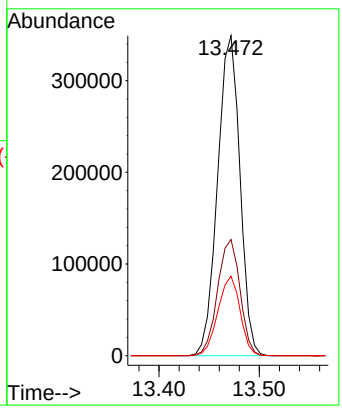


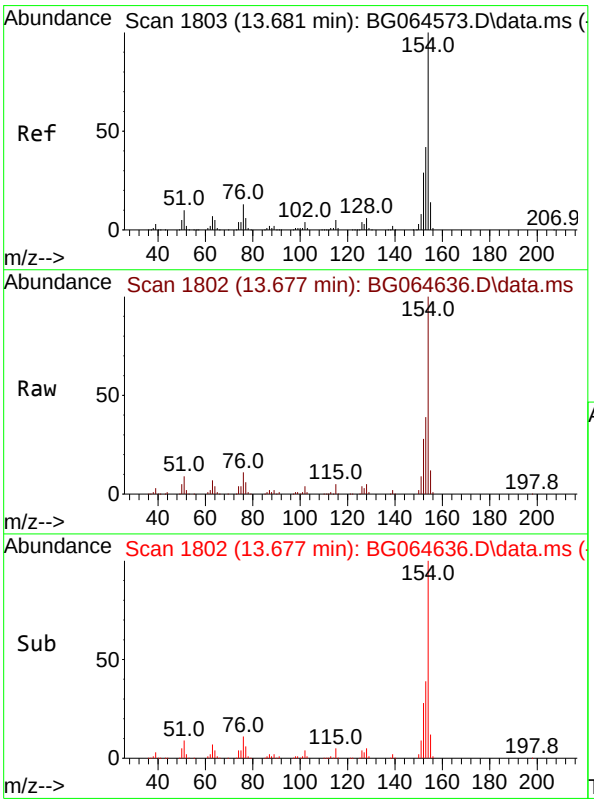
#45
2-Fluorobiphenyl
Concen: 86.520 ng
RT: 13.472 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 539428

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.9	19.1	28.7

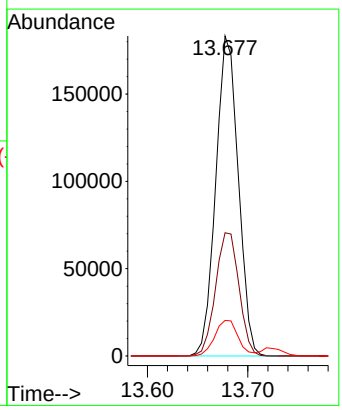


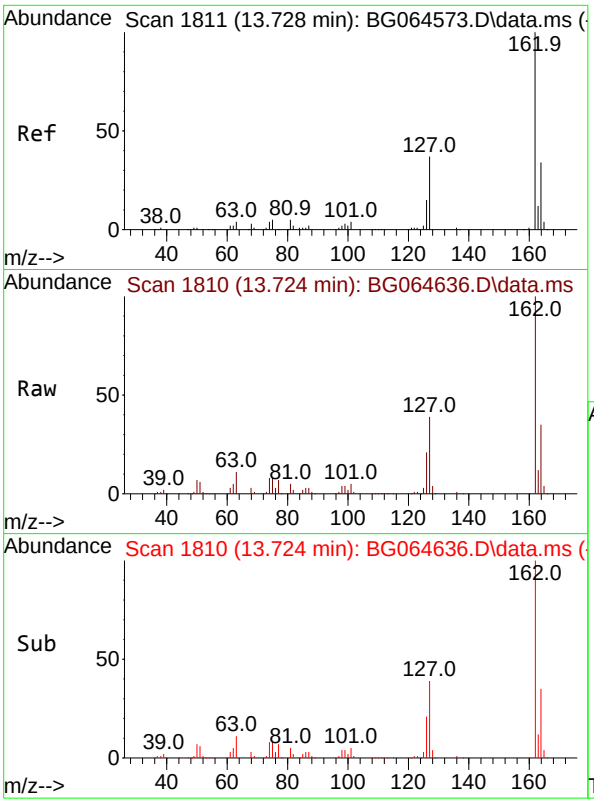


#46
1,1'-Biphenyl
Concen: 42.404 ng
RT: 13.677 min Scan# 1802
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:154 Resp: 284894

Ion	Ratio	Lower	Upper
154	100		
153	38.5	22.4	62.4
76	11.1	0.0	33.5



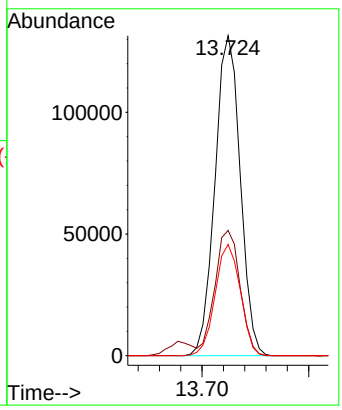


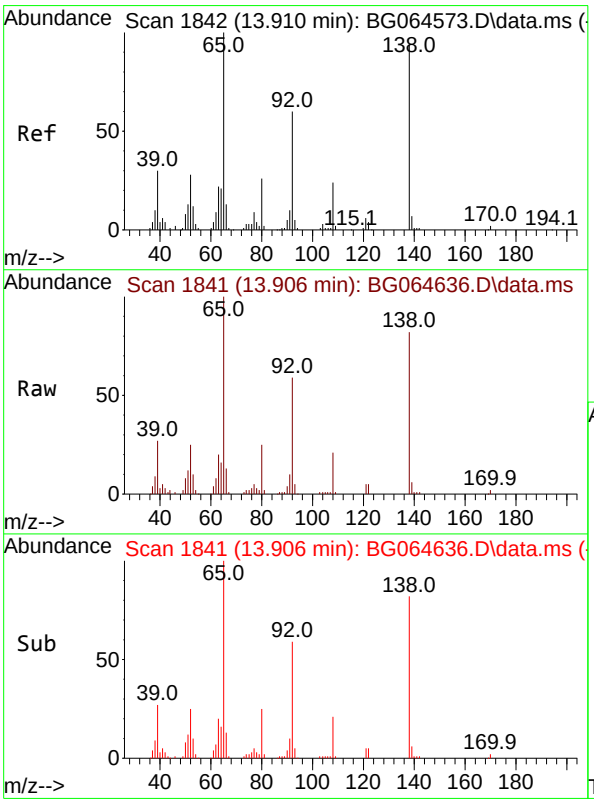
#47
2-Chloronaphthalene
Concen: 42.675 ng
RT: 13.724 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 216419

Ion	Ratio	Lower	Upper
162	100		
127	39.2	32.2	48.2
164	34.8	27.5	41.3

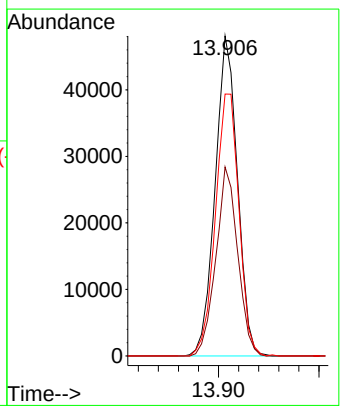


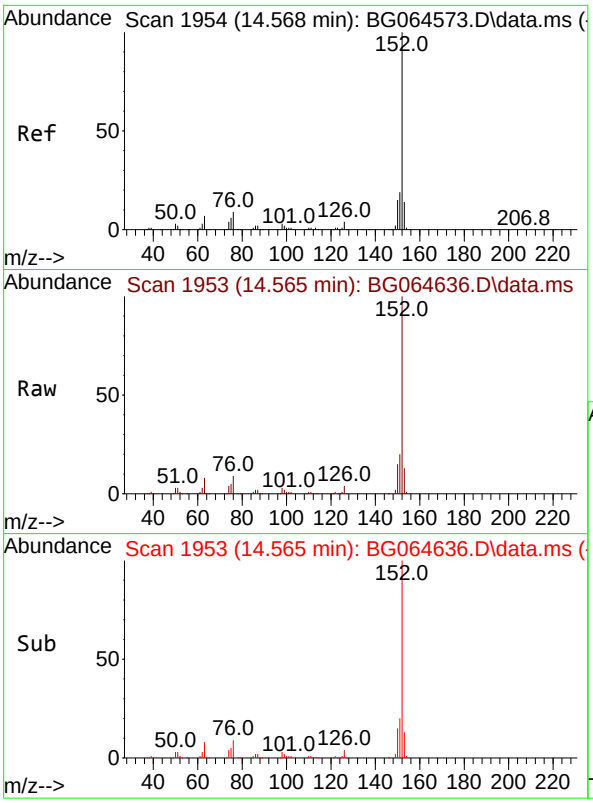


#48
2-Nitroaniline
Concen: 43.795 ng
RT: 13.906 min Scan# 1841
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion: 65 Resp: 74045

Ion	Ratio	Lower	Upper
65	100		
92	59.0	48.3	72.5
138	81.9	74.9	112.3



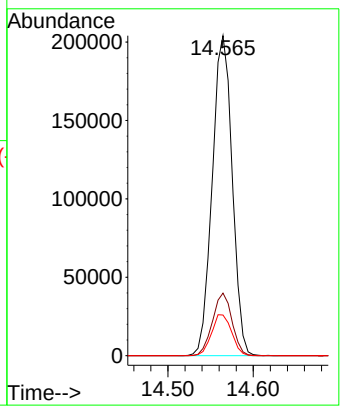


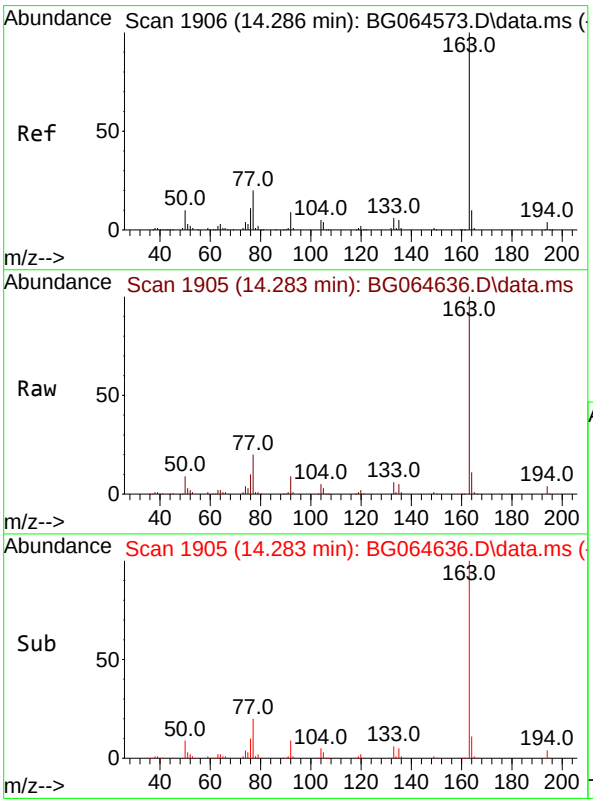
#49
Acenaphthylene
Concen: 41.484 ng
RT: 14.565 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 331834

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.2
153	12.7	11.0	16.4

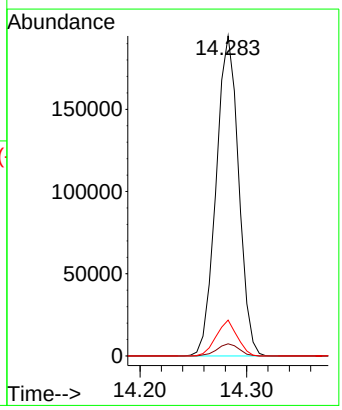


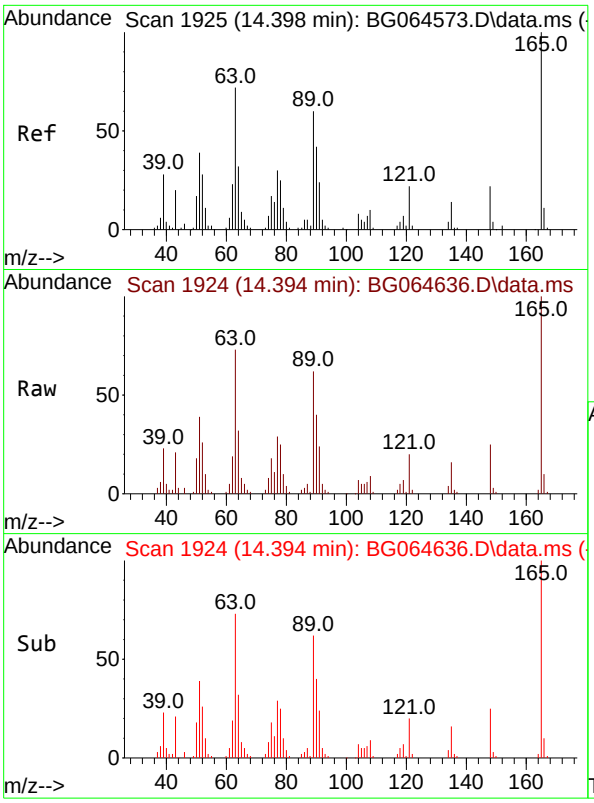


#50
Dimethylphthalate
Concen: 39.451 ng
RT: 14.283 min Scan# 1905
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:163 Resp: 285287

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.8	4.2
164	11.2	7.7	11.5



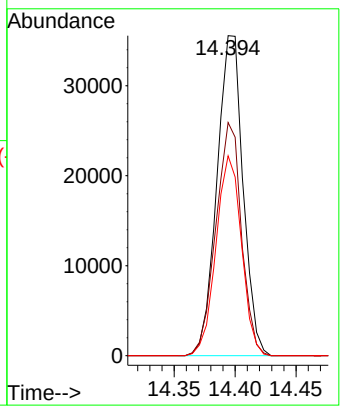


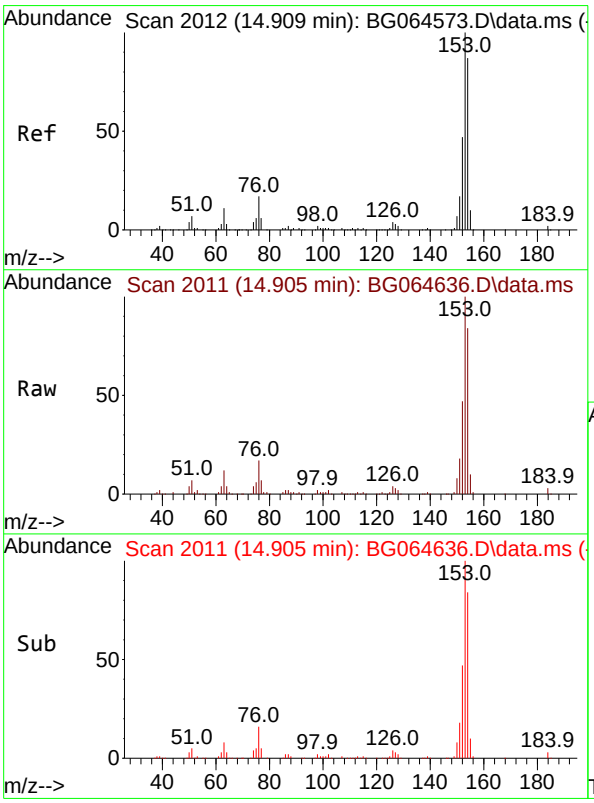
#51
2,6-Dinitrotoluene
Concen: 44.784 ng
RT: 14.394 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 53162

Ion	Ratio	Lower	Upper
165	100		
63	72.8	57.4	86.0
89	62.5	47.8	71.8

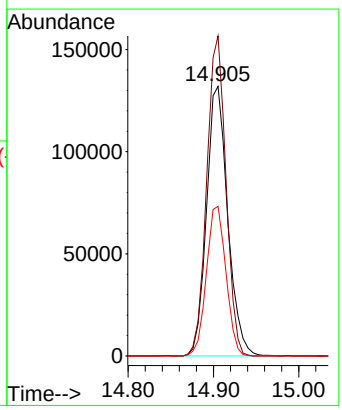


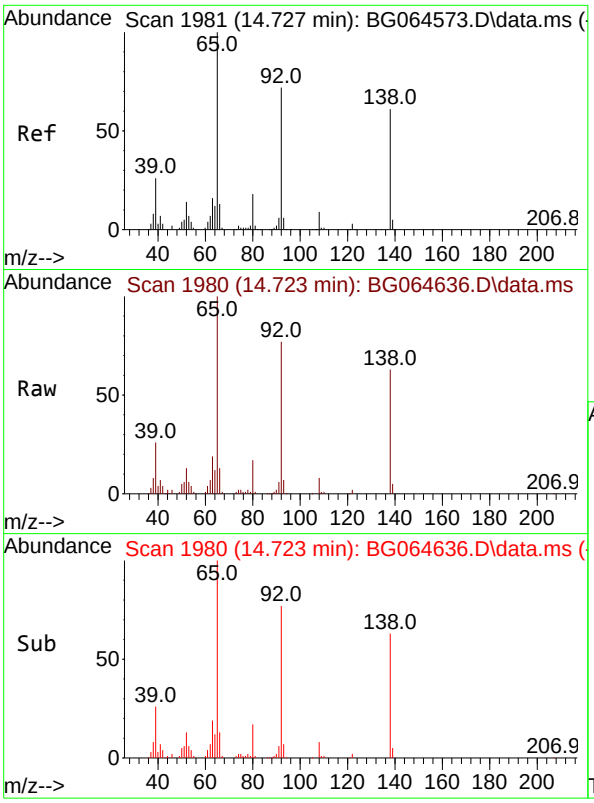


#52
Acenaphthene
Concen: 41.683 ng
RT: 14.905 min Scan# 2011
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:154 Resp: 227801

Ion	Ratio	Lower	Upper
154	100		
153	118.7	92.2	138.4
152	55.5	43.2	64.8



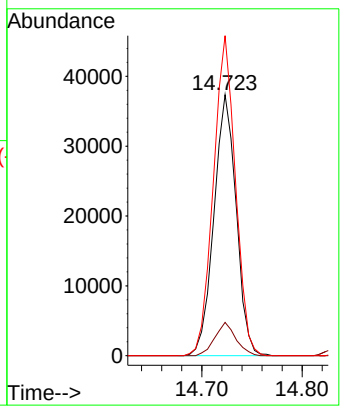


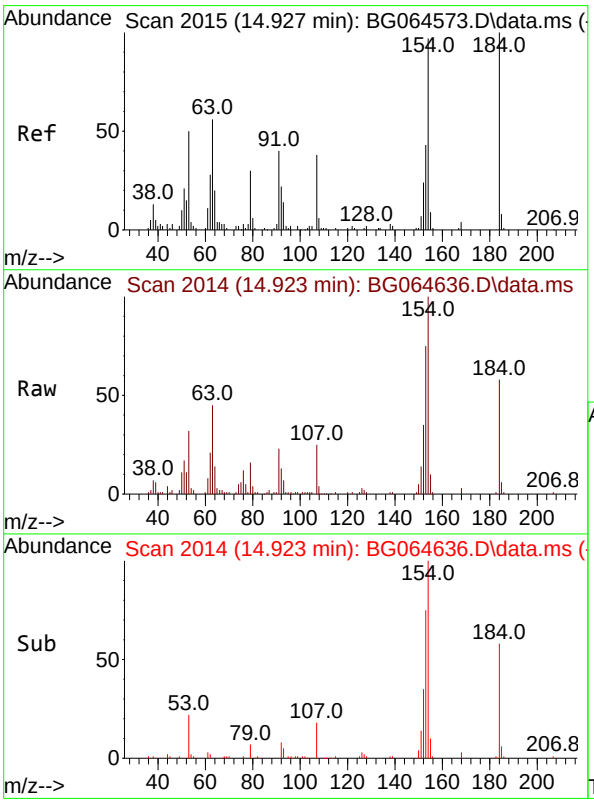
#53
3-Nitroaniline
Concen: 46.309 ng
RT: 14.723 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 57551

Ion	Ratio	Lower	Upper
138	100		
108	12.8	11.4	17.0
92	122.7	95.3	142.9

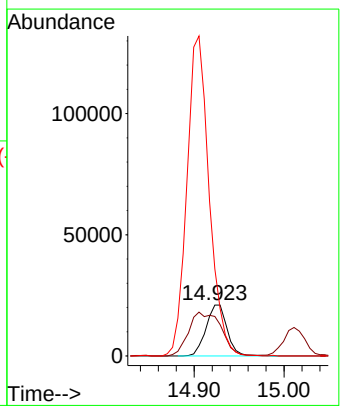


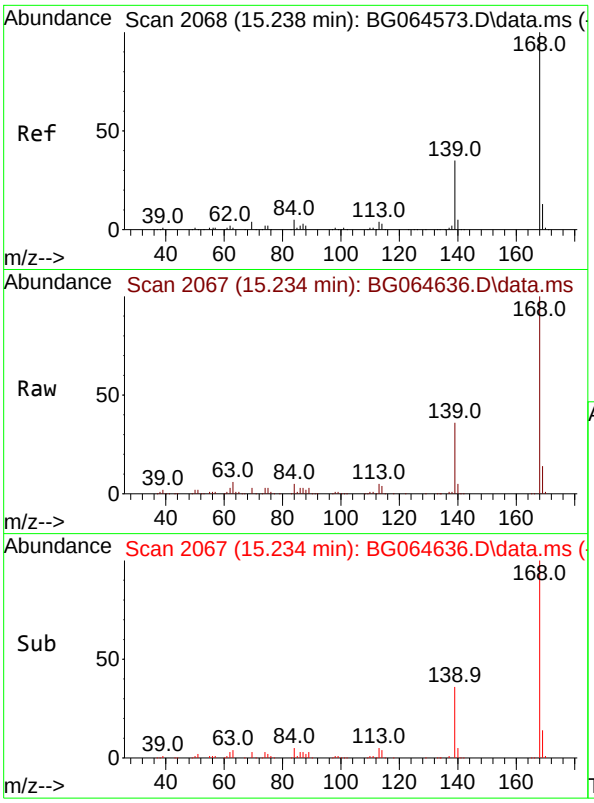


#54
2,4-Dinitrophenol
Concen: 48.950 ng
RT: 14.923 min Scan# 2014
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:184 Resp: 34138

Ion	Ratio	Lower	Upper
184	100		
63	77.8	56.6	85.0
154	171.2	158.6	238.0



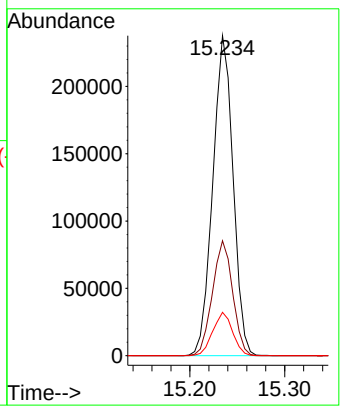


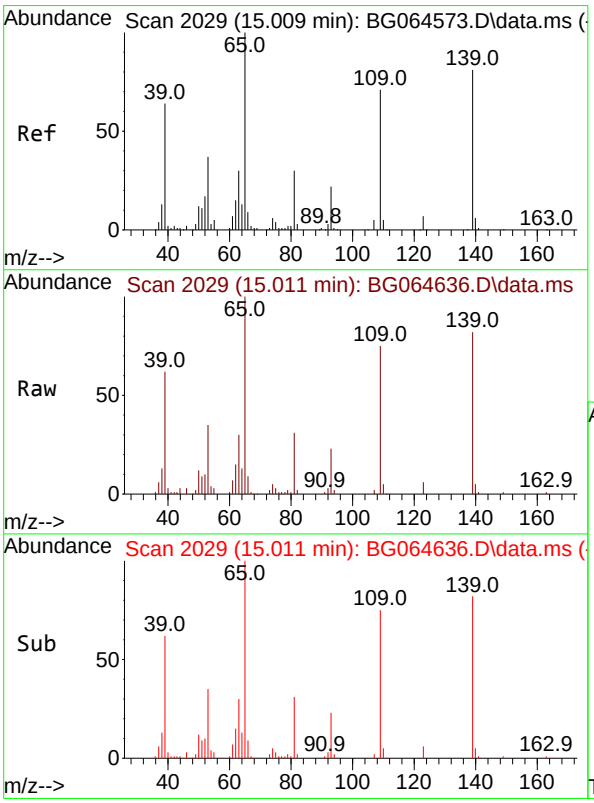
#55
Dibenzofuran
Concen: 39.980 ng
RT: 15.234 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 353239

Ion	Ratio	Lower	Upper
168	100		
139	35.9	27.8	41.8
169	13.5	10.3	15.5

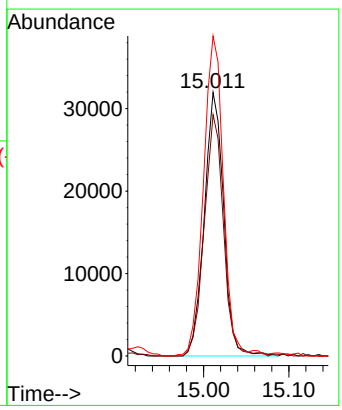


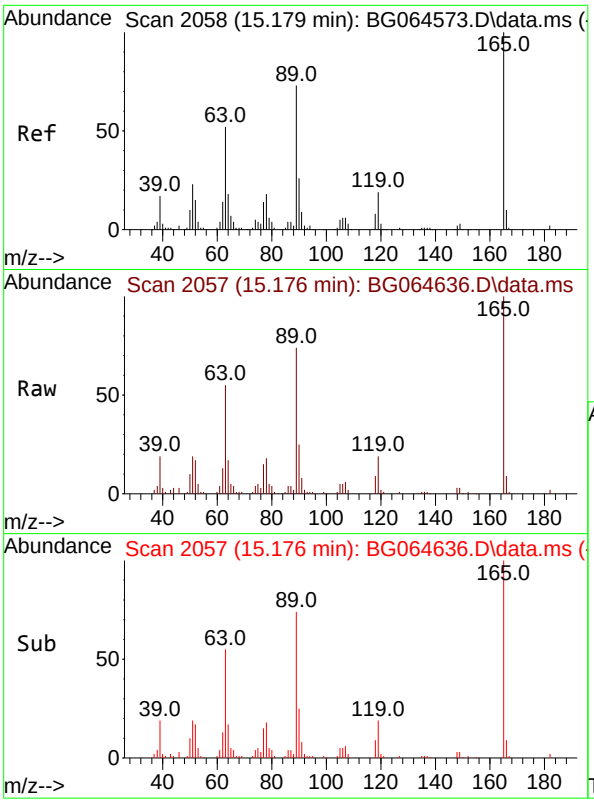


#56
4-Nitrophenol
Concen: 43.812 ng
RT: 15.011 min Scan# 2029
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:139 Resp: 50480

Ion	Ratio	Lower	Upper
139	100		
109	91.6	67.8	107.8
65	121.5	103.7	143.7



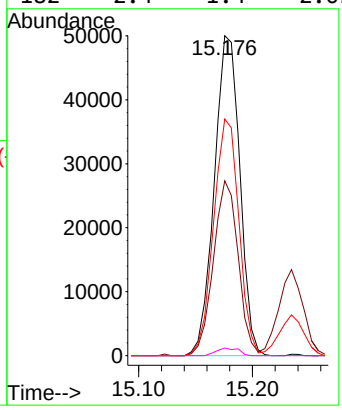


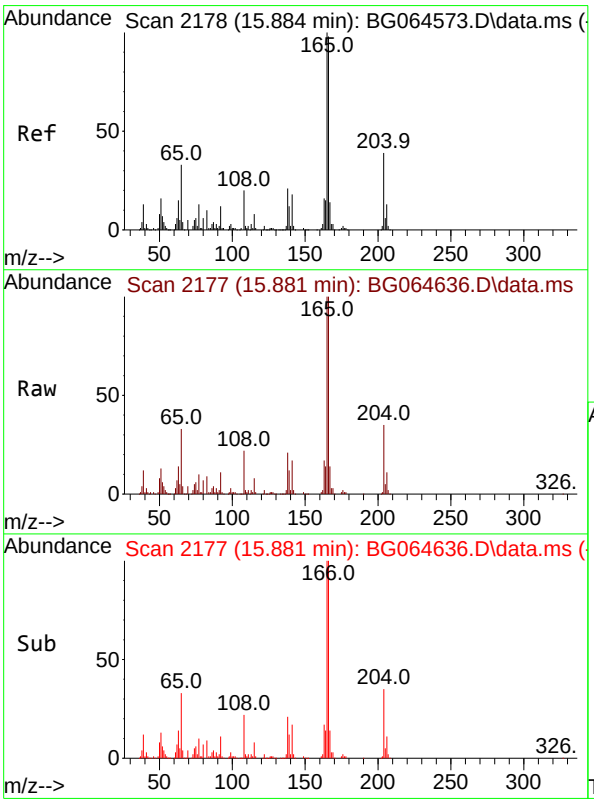
#57
2,4-Dinitrotoluene
Concen: 42.716 ng
RT: 15.176 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 78142

Ion	Ratio	Lower	Upper
165	100		
63	54.6	41.8	62.8
89	73.9	58.1	87.1
182	2.4	1.4	2.0#

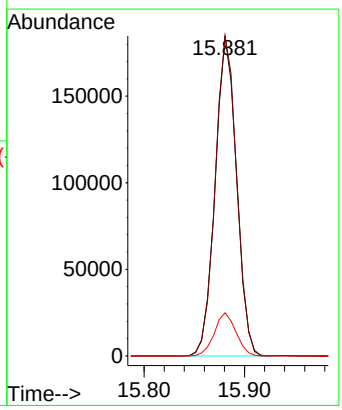


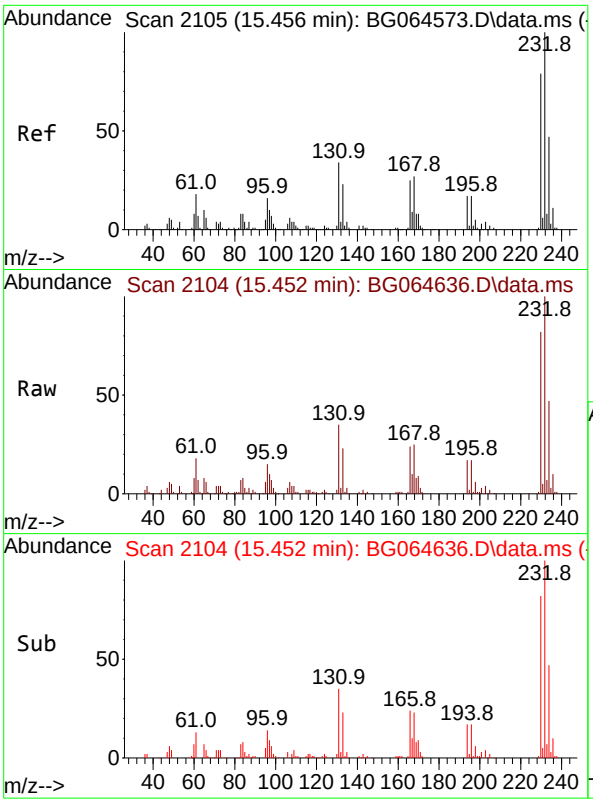


#58
Fluorene
Concen: 39.487 ng
RT: 15.881 min Scan# 2177
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:166 Resp: 272466

Ion	Ratio	Lower	Upper
166	100		
165	100.3	81.5	122.3
167	13.6	11.4	17.0



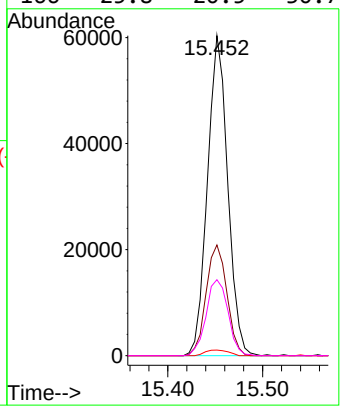


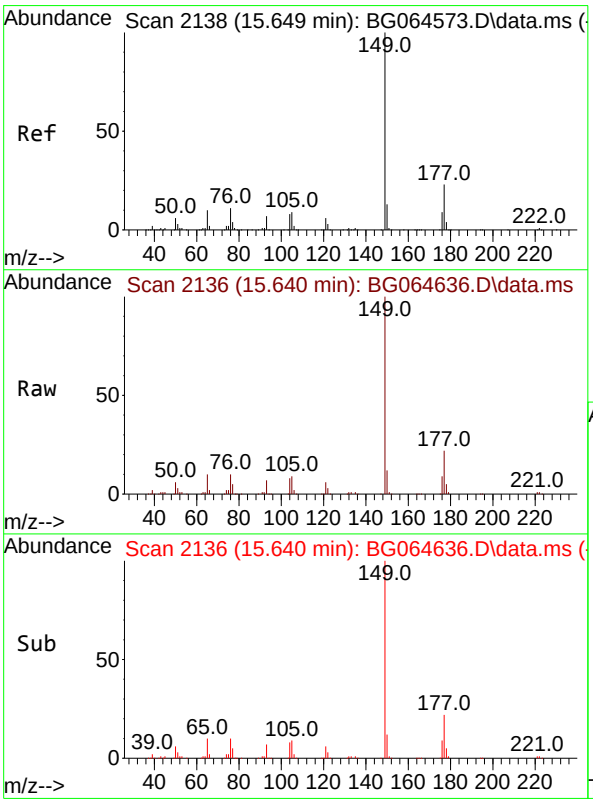
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.655 ng
RT: 15.452 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 89397

Ion	Ratio	Lower	Upper
232	100		
131	35.5	26.7	40.1
130	2.0	1.6	2.4
166	25.8	20.5	30.7

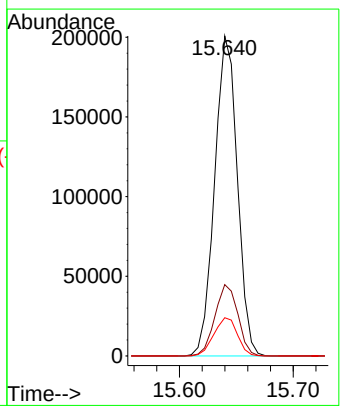


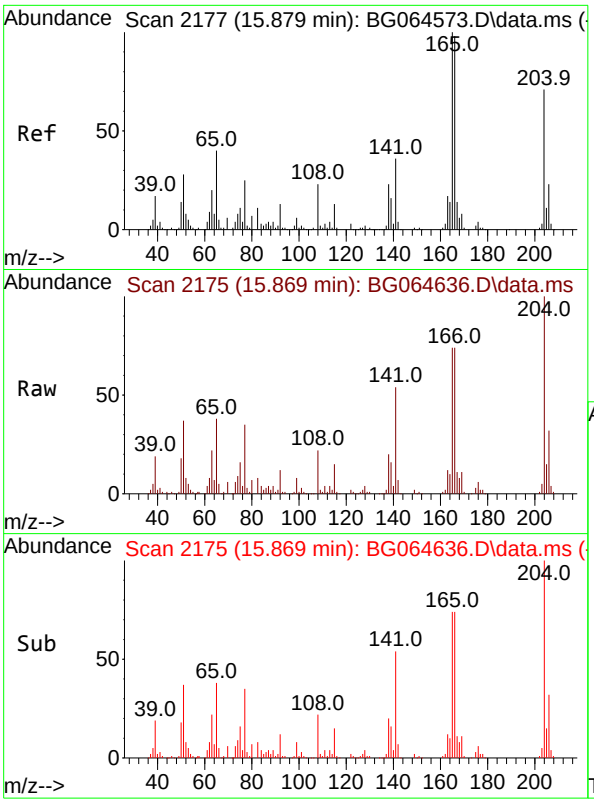


#60
Diethylphthalate
Concen: 37.738 ng
RT: 15.640 min Scan# 2136
Delta R.T. -0.010 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:149 Resp: 278640

Ion	Ratio	Lower	Upper
149	100		
177	22.3	18.0	27.0
150	12.0	10.2	15.4



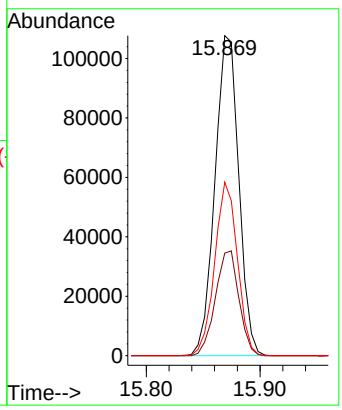


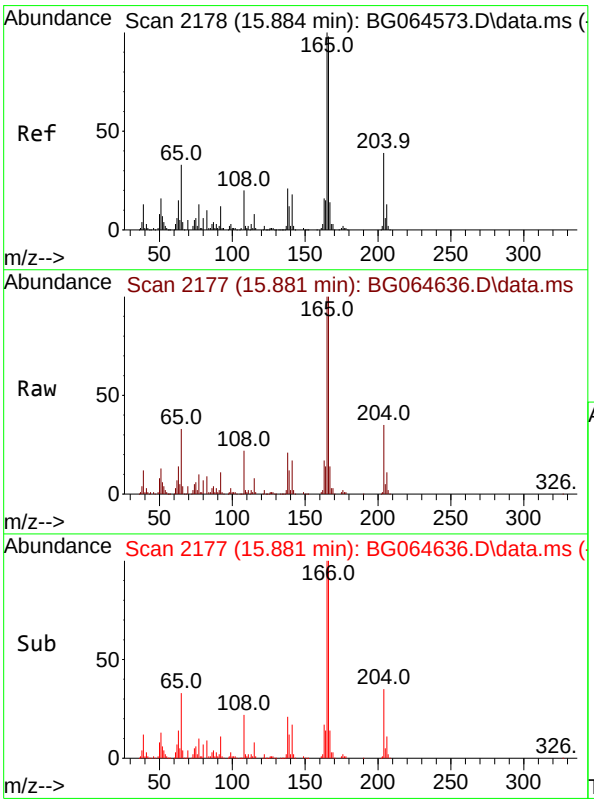
#61
4-Chlorophenyl-phenylether
Concen: 40.558 ng
RT: 15.869 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 157055

Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.6	38.4
141	54.2	40.6	60.8

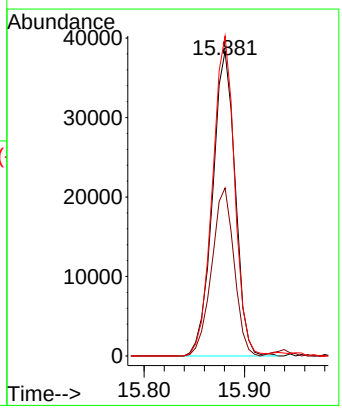


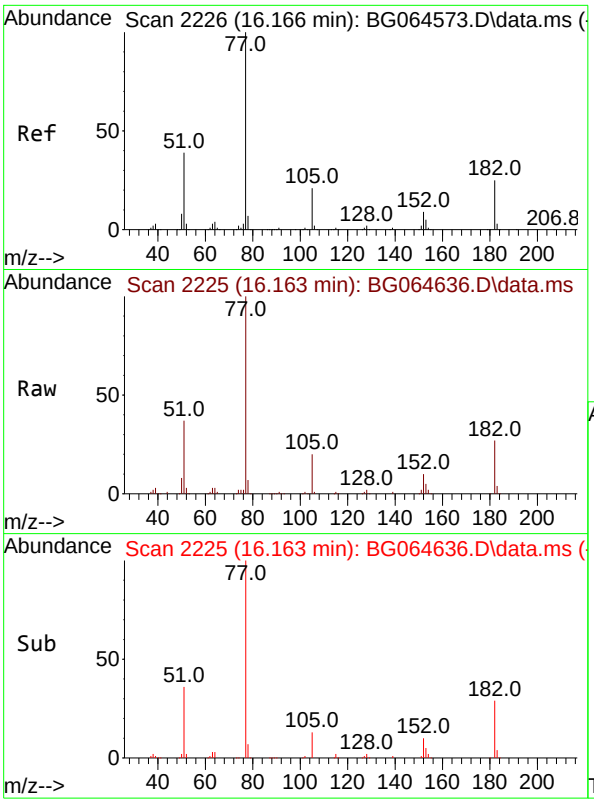


#62
4-Nitroaniline
Concen: 43.493 ng
RT: 15.881 min Scan# 2177
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:138 Resp: 60132

Ion	Ratio	Lower	Upper
138	100		
92	55.2	36.1	76.1
108	105.1	75.6	115.6



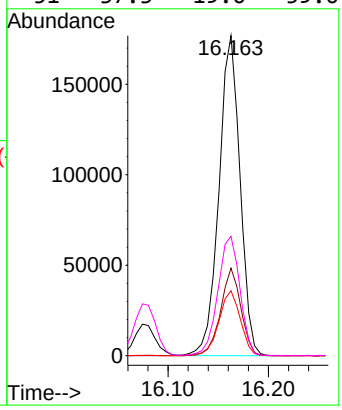


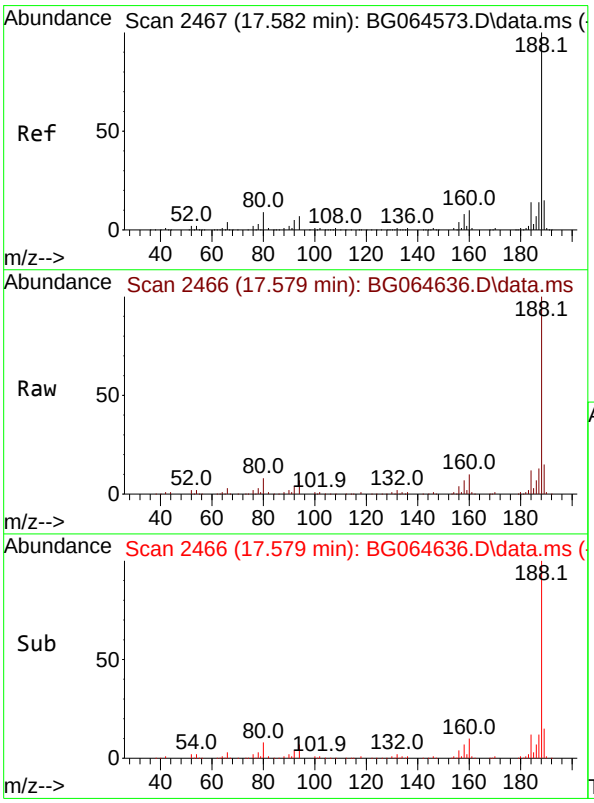
#63
Azobenzene
Concen: 38.024 ng
RT: 16.163 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 257601

Ion	Ratio	Lower	Upper
77	100		
182	27.4	4.9	44.9
105	20.3	1.3	41.3
51	37.3	19.0	59.0

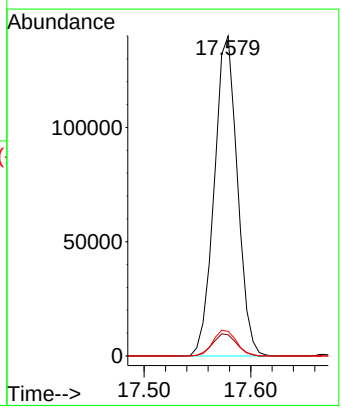


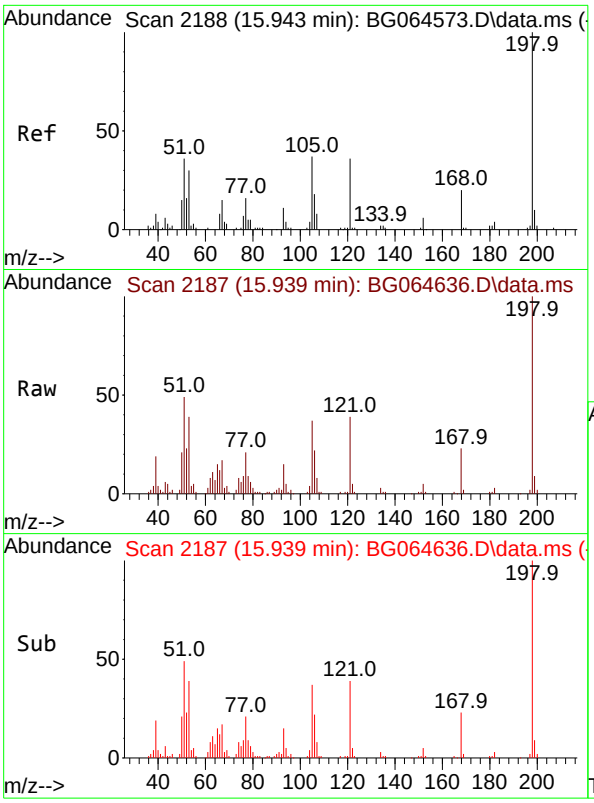


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.579 min Scan# 2466
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:188 Resp: 210658

Ion	Ratio	Lower	Upper
188	100		
94	6.6	5.7	8.5
80	7.7	6.8	10.2



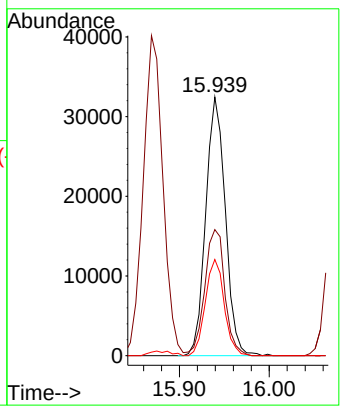


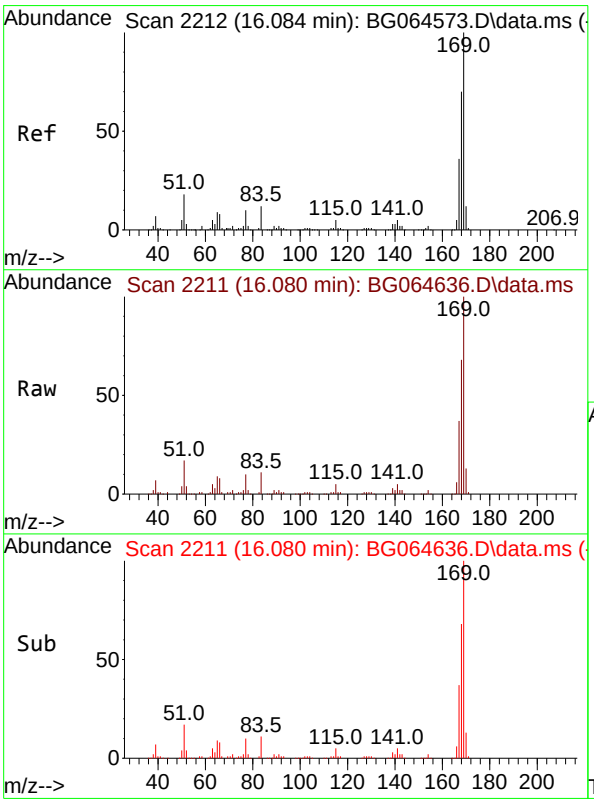
#65
4,6-Dinitro-2-methylphenol
Concen: 52.445 ng
RT: 15.939 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 49140

Ion	Ratio	Lower	Upper
198	100		
51	48.8	24.7	64.7
105	37.2	18.0	58.0

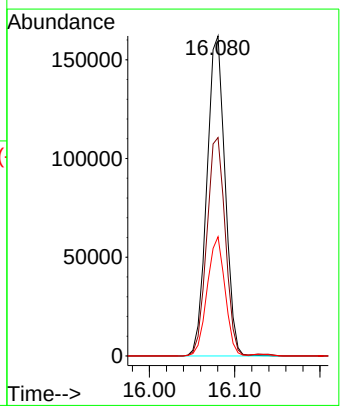


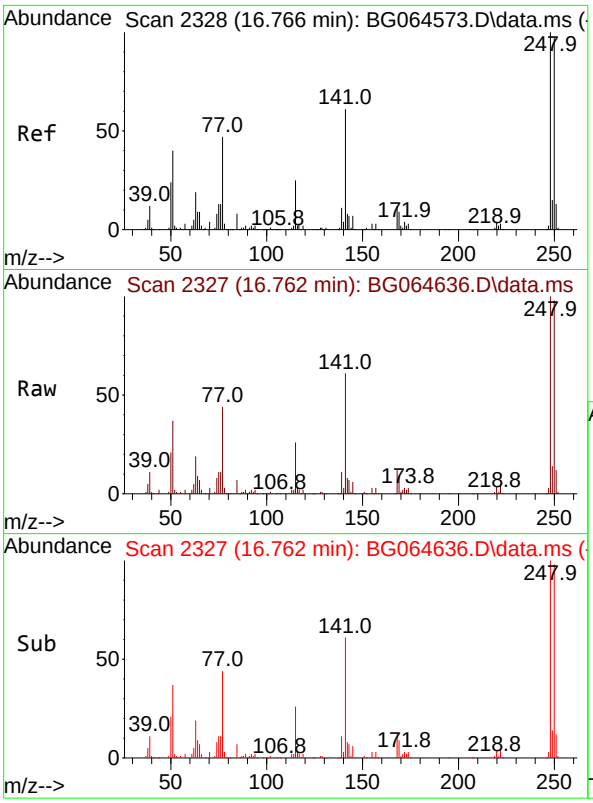


#66
n-Nitrosodiphenylamine
Concen: 42.108 ng
RT: 16.080 min Scan# 2211
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:169 Resp: 239610

Ion	Ratio	Lower	Upper
169	100		
168	68.2	56.3	84.5
167	37.2	29.0	43.6



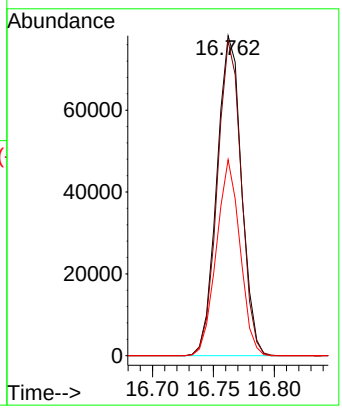


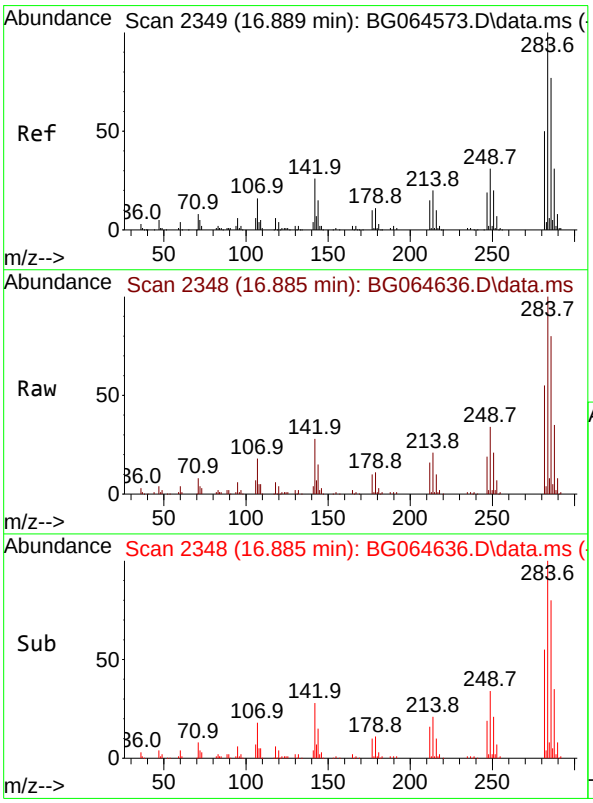
#67
4-Bromophenyl-phenylether
Concen: 44.024 ng
RT: 16.762 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 109900

Ion	Ratio	Lower	Upper
248	100		
250	98.3	77.7	116.5
141	61.2	48.6	72.8

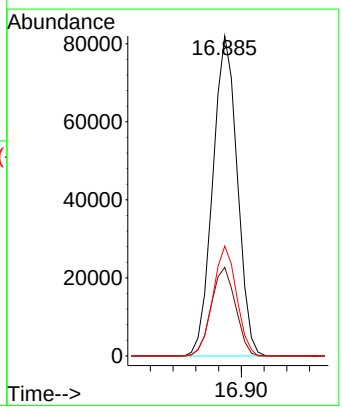


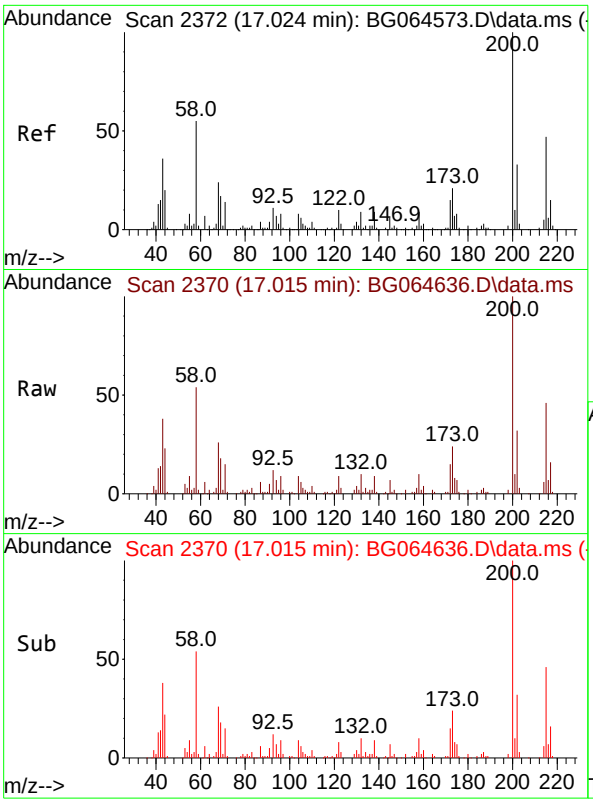


#68
Hexachlorobenzene
Concen: 43.121 ng
RT: 16.885 min Scan# 2348
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:284 Resp: 122806

Ion	Ratio	Lower	Upper
284	100		
142	27.7	21.0	31.6
249	34.3	24.9	37.3



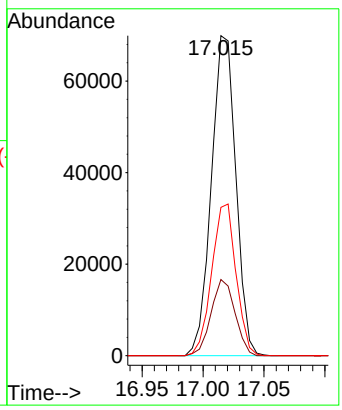


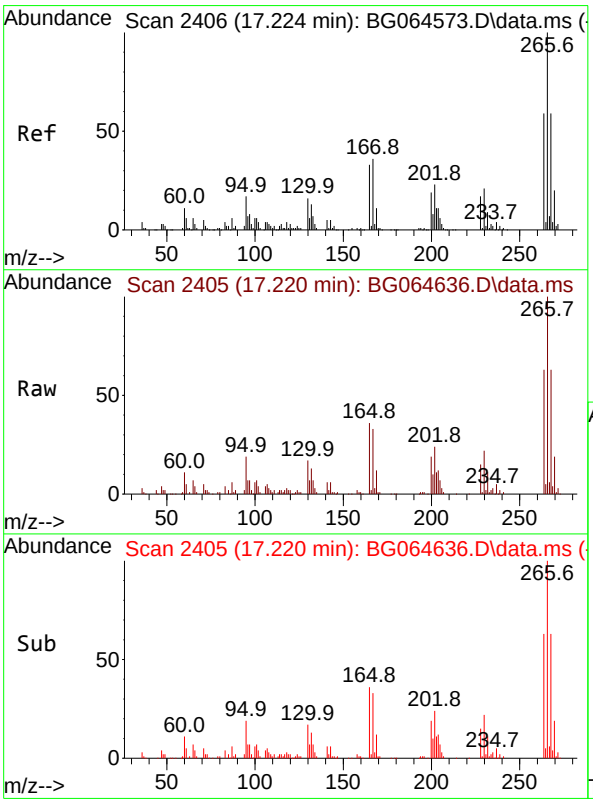
#69
Atrazine
Concen: 39.893 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 97691

Ion	Ratio	Lower	Upper
200	100		
173	23.8	0.9	40.9
215	46.3	27.0	67.0

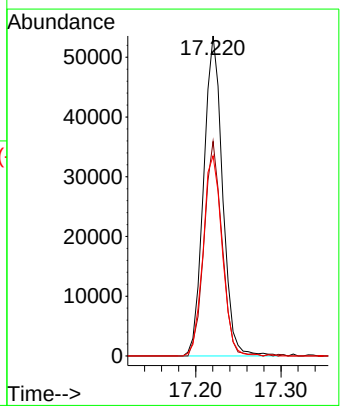


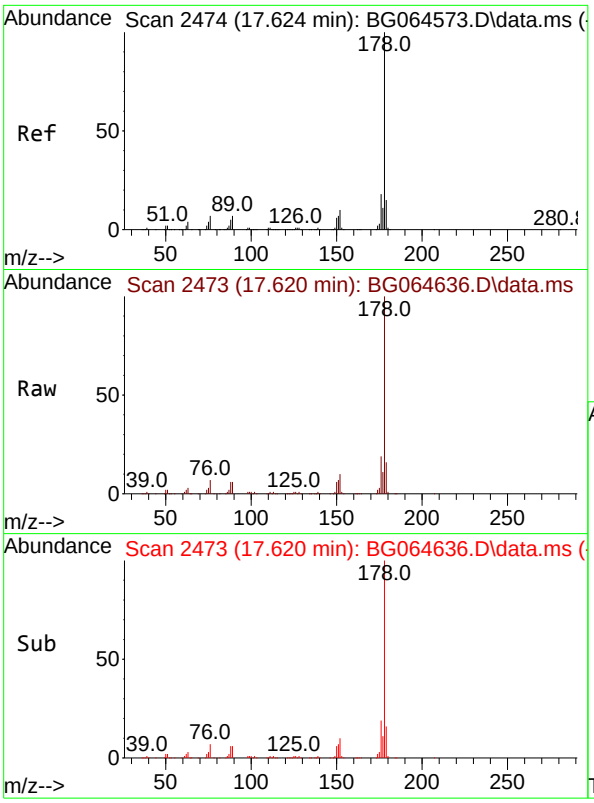


#70
Pentachlorophenol
Concen: 46.367 ng
RT: 17.220 min Scan# 2405
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:266 Resp: 82346

Ion	Ratio	Lower	Upper
266	100		
268	67.0	50.3	75.5
264	67.1	47.3	70.9



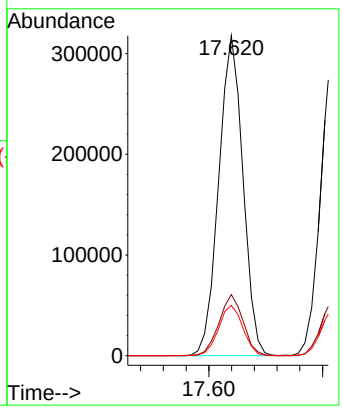


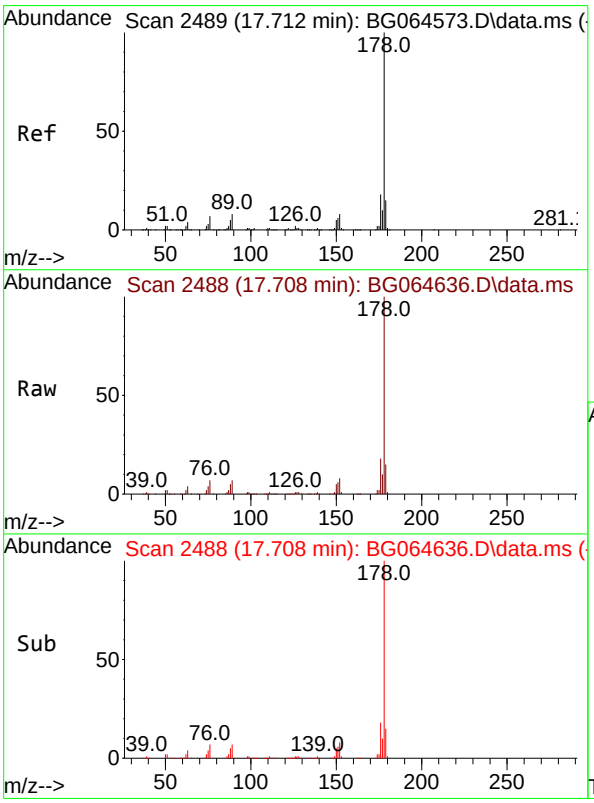
#71
Phenanthrene
Concen: 40.749 ng
RT: 17.620 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 469425

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.7	22.1
179	15.7	12.2	18.4

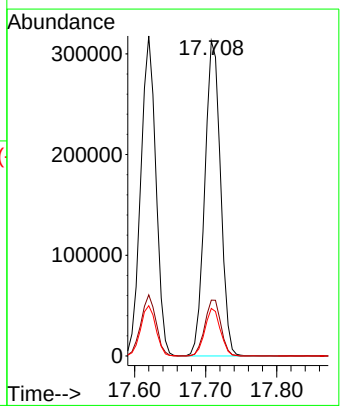


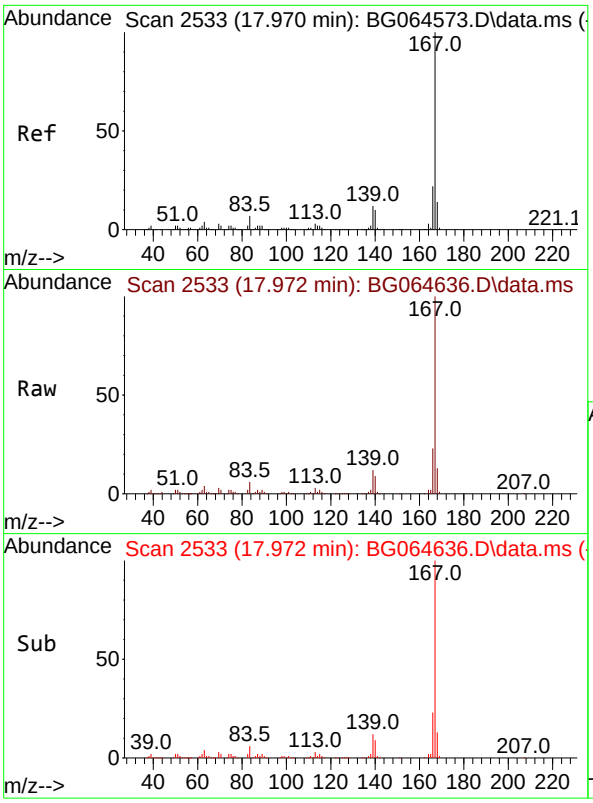


#72
Anthracene
Concen: 41.136 ng
RT: 17.708 min Scan# 2488
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:178 Resp: 482051

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.4	21.6
179	15.1	12.4	18.6



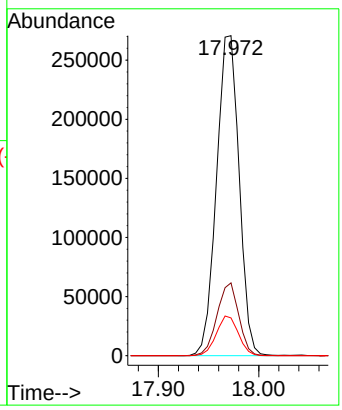


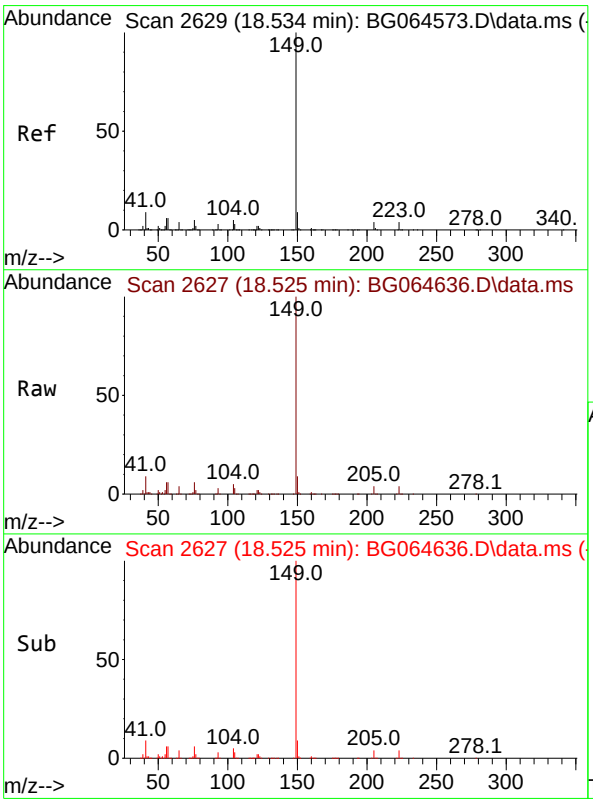
#73
Carbazole
Concen: 40.999 ng
RT: 17.972 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 423668

Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.9	26.9
139	11.8	9.7	14.5

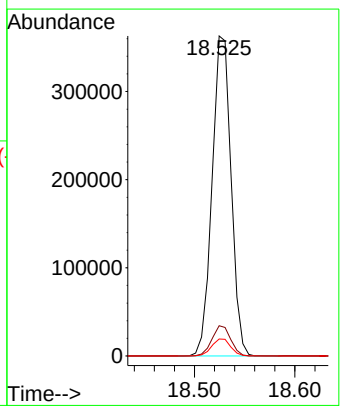


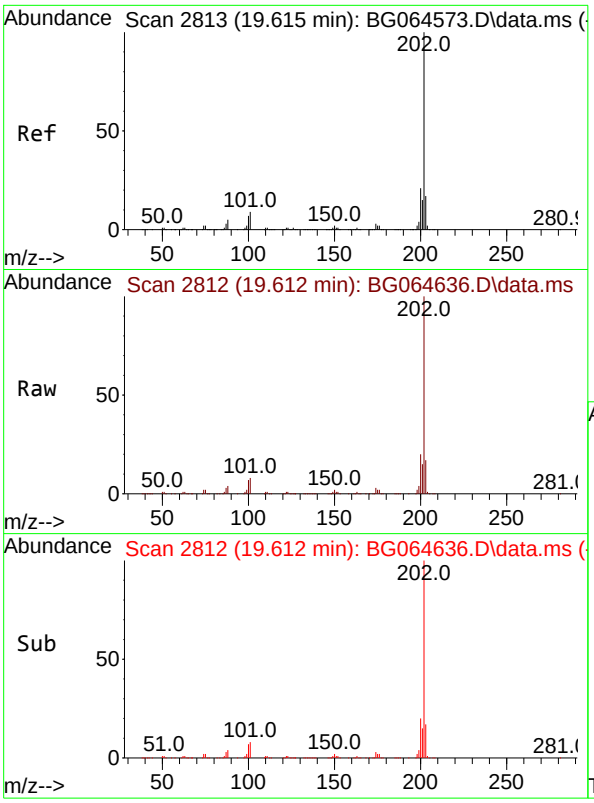


#74
Di-n-butylphthalate
Concen: 39.860 ng
RT: 18.525 min Scan# 2627
Delta R.T. -0.010 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:149 Resp: 476308

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.0	10.6
104	5.3	4.1	6.1



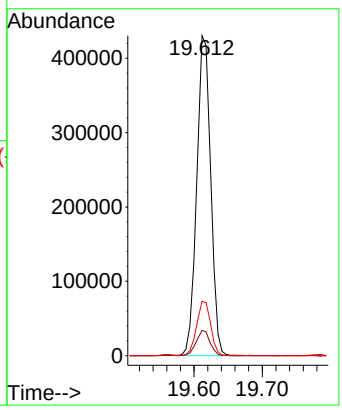


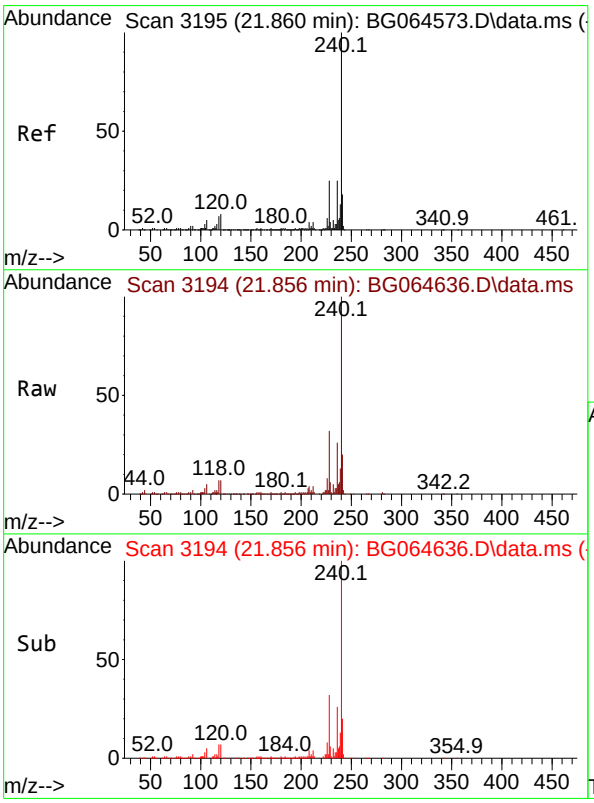
#75
Fluoranthene
Concen: 42.360 ng
RT: 19.612 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 611318

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.7
203	17.0	0.0	37.0

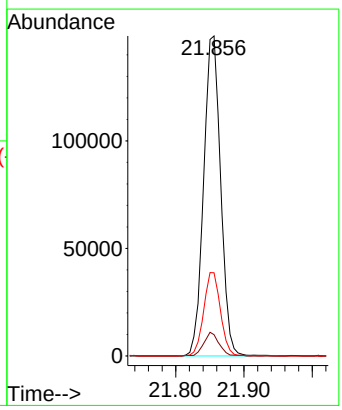


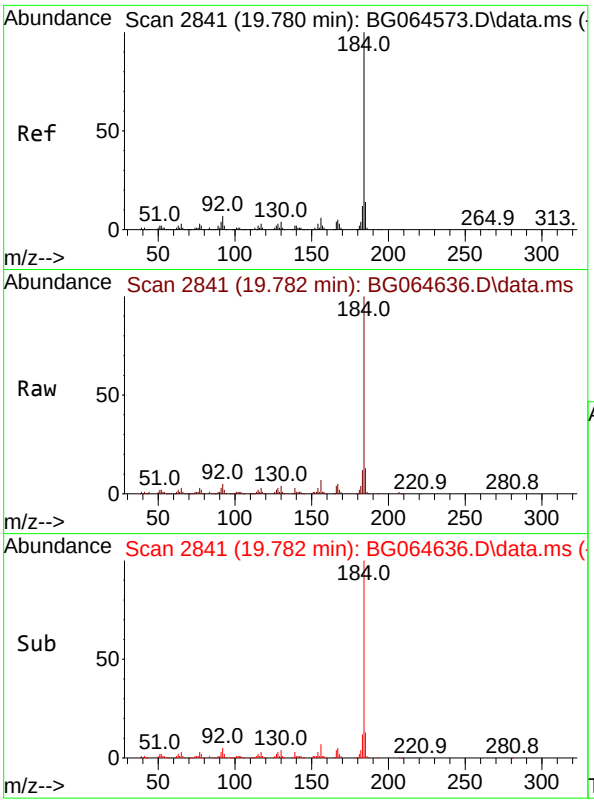


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.856 min Scan# 3194
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:240 Resp: 257813

Ion	Ratio	Lower	Upper
240	100		
120	6.6	6.5	9.7
236	26.0	20.2	30.2



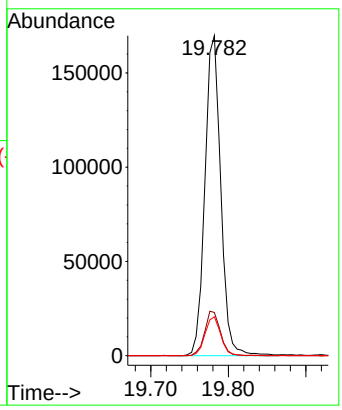


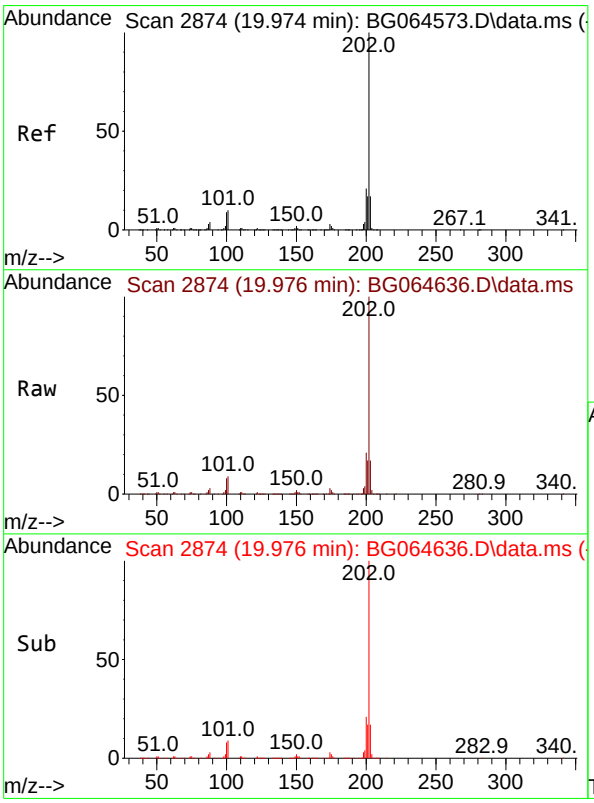
#77
Benzidine
Concen: 41.721 ng
RT: 19.782 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 240984

Ion	Ratio	Lower	Upper
184	100		
185	13.5	11.4	17.2
183	12.2	9.4	14.2

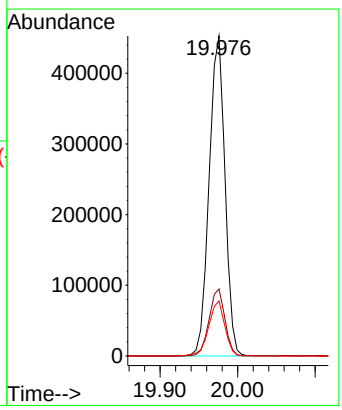


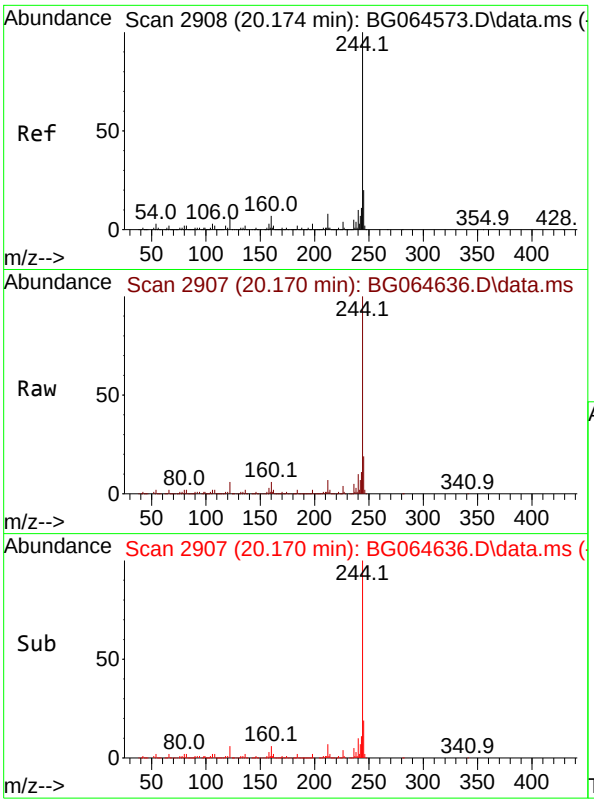


#78
Pyrene
Concen: 38.182 ng
RT: 19.976 min Scan# 2874
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:202 Resp: 643136

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4
203	17.2	13.8	20.6



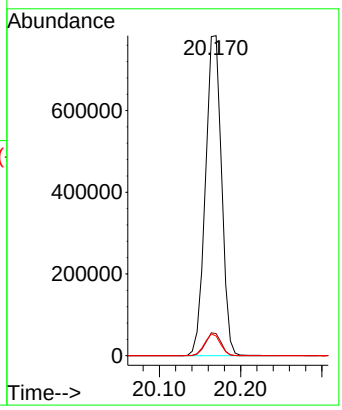


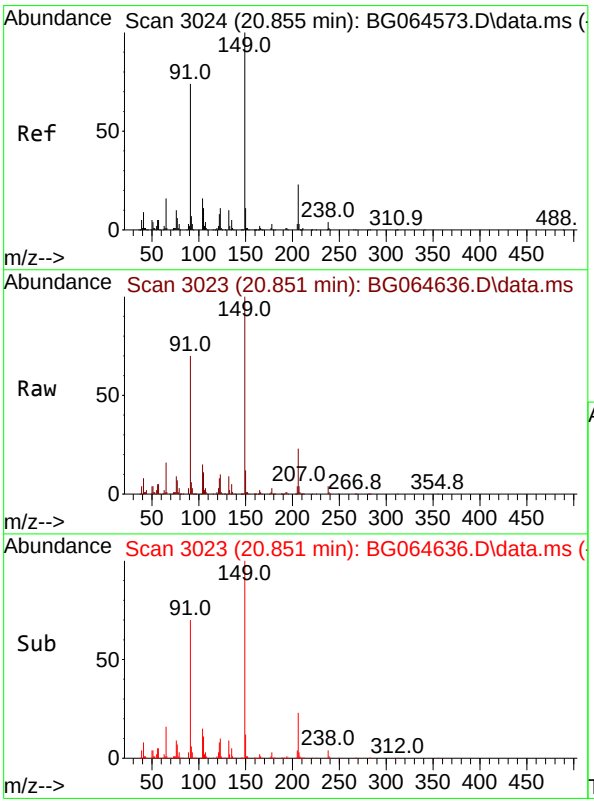
#79
Terphenyl-d14
Concen: 78.718 ng
RT: 20.170 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1075391

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

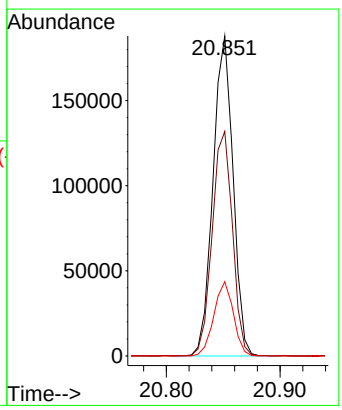


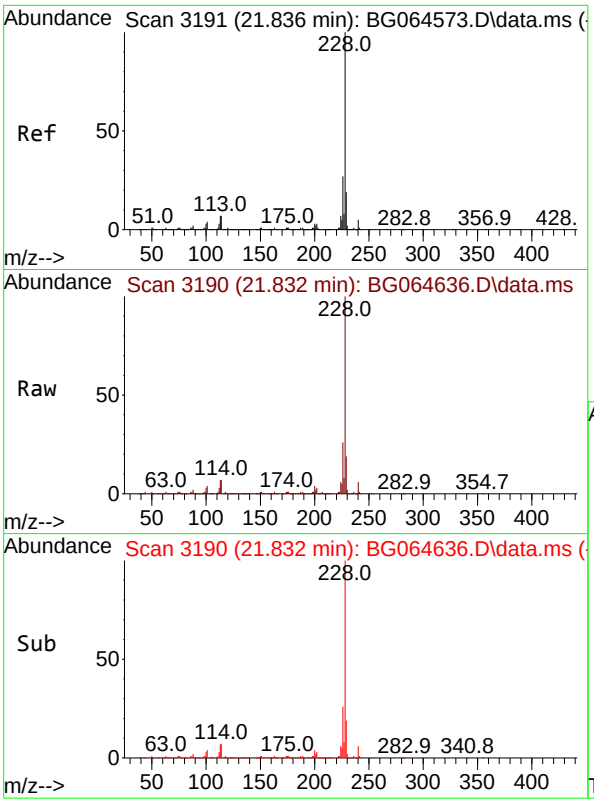


#80
Butylbenzylphthalate
Concen: 45.114 ng
RT: 20.851 min Scan# 3023
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:149 Resp: 229670

Ion	Ratio	Lower	Upper
149	100		
91	70.1	59.2	88.8
206	23.2	18.1	27.1



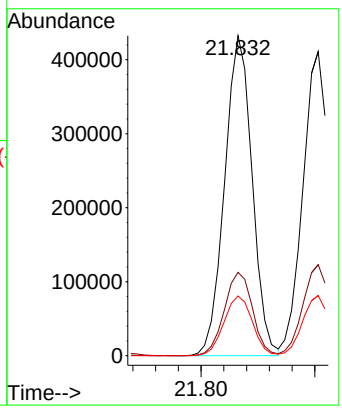


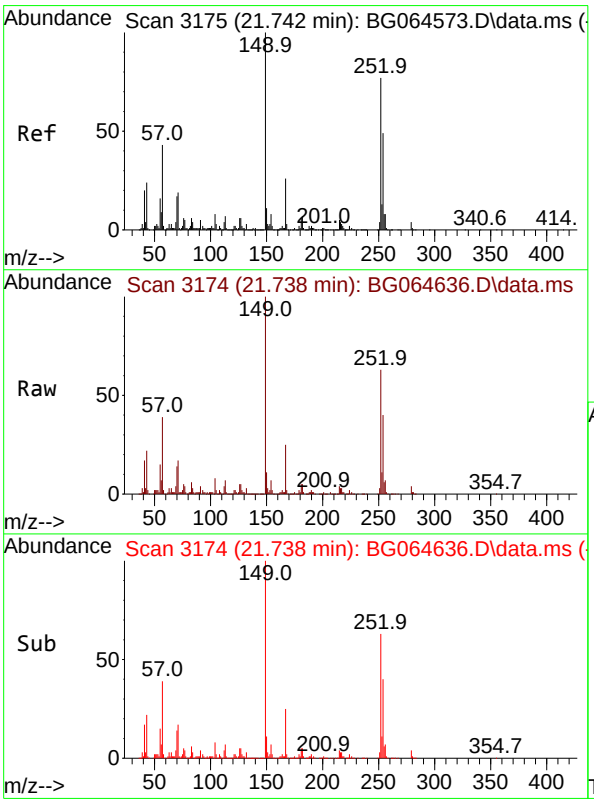
#81
Benzo(a)anthracene
Concen: 42.521 ng
RT: 21.832 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 726865

Ion	Ratio	Lower	Upper
228	100		
226	26.1	21.9	32.9
229	18.6	15.6	23.4

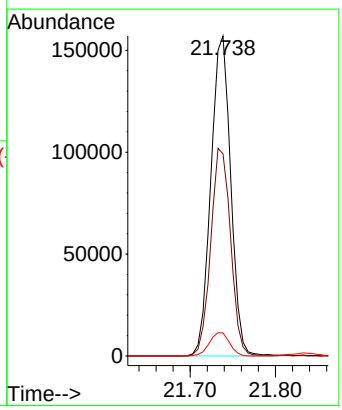


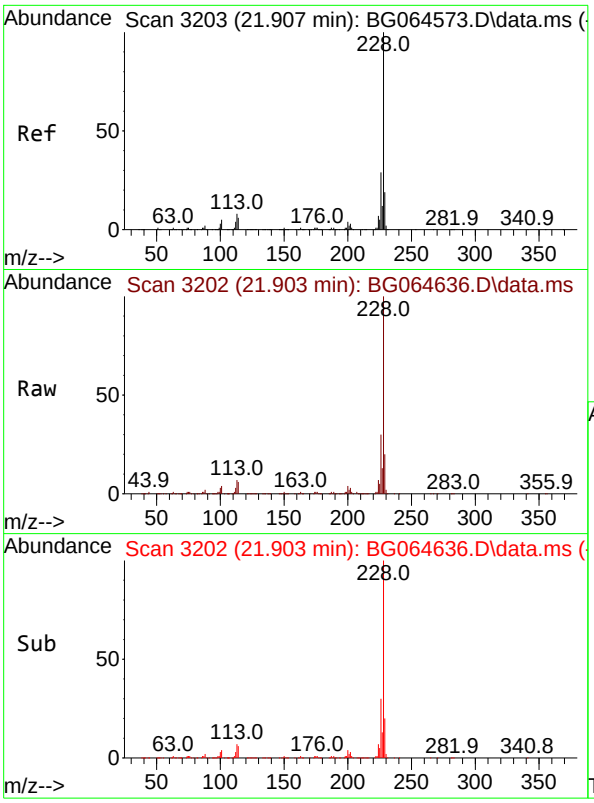


#82
3,3'-Dichlorobenzidine
Concen: 44.521 ng
RT: 21.738 min Scan# 3174
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:252 Resp: 254141

Ion	Ratio	Lower	Upper
252	100		
254	63.1	50.8	76.2
126	7.2	5.8	8.6



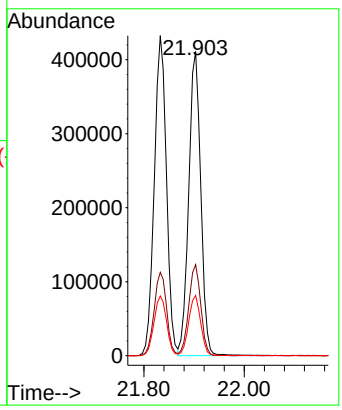


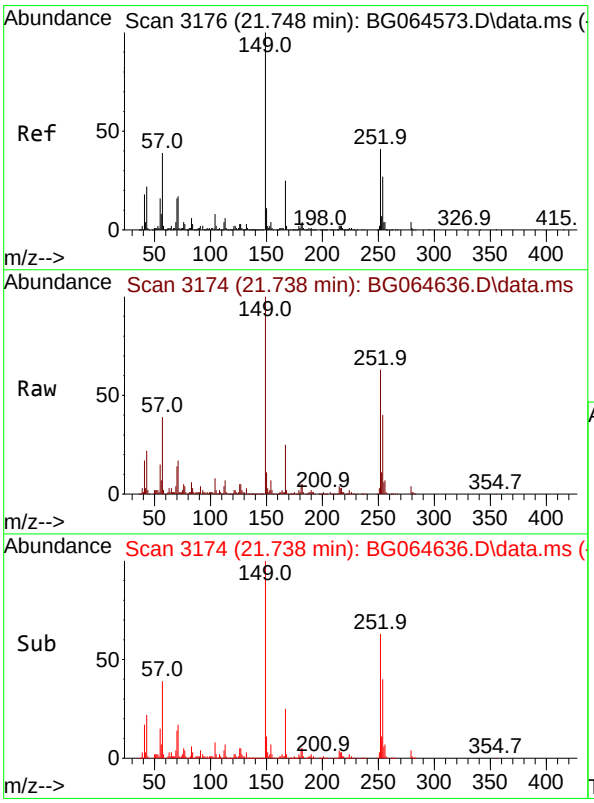
#83
Chrysene
Concen: 41.987 ng
RT: 21.903 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 682939

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.3	34.9
229	19.8	15.2	22.8

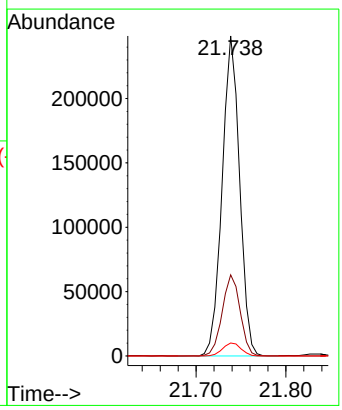


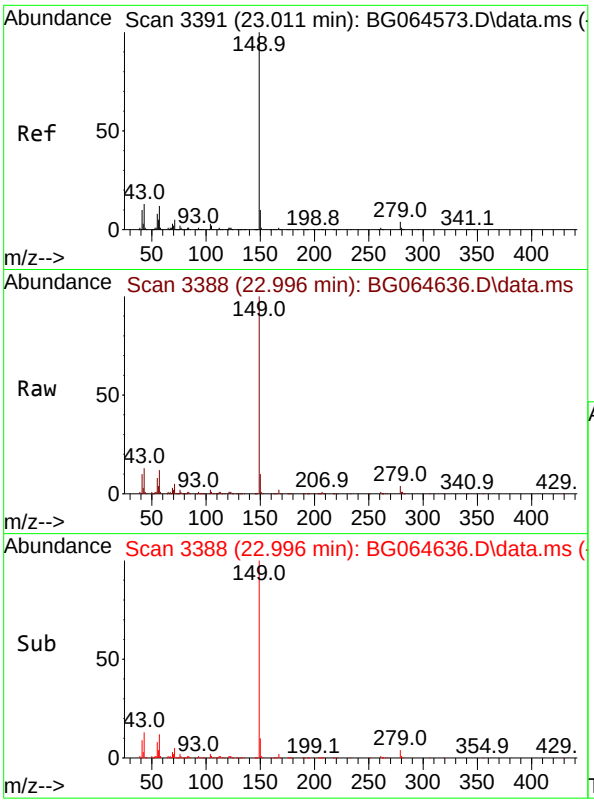


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.177 ng
RT: 21.738 min Scan# 3174
Delta R.T. -0.010 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:149 Resp: 336059

Ion	Ratio	Lower	Upper
149	100		
167	25.4	20.0	30.0
279	4.0	3.1	4.7



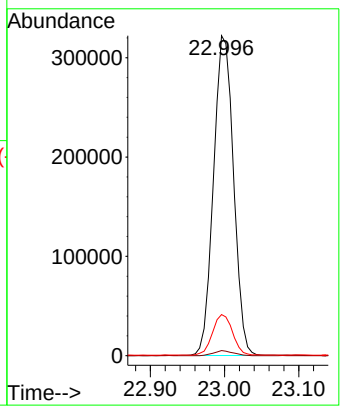


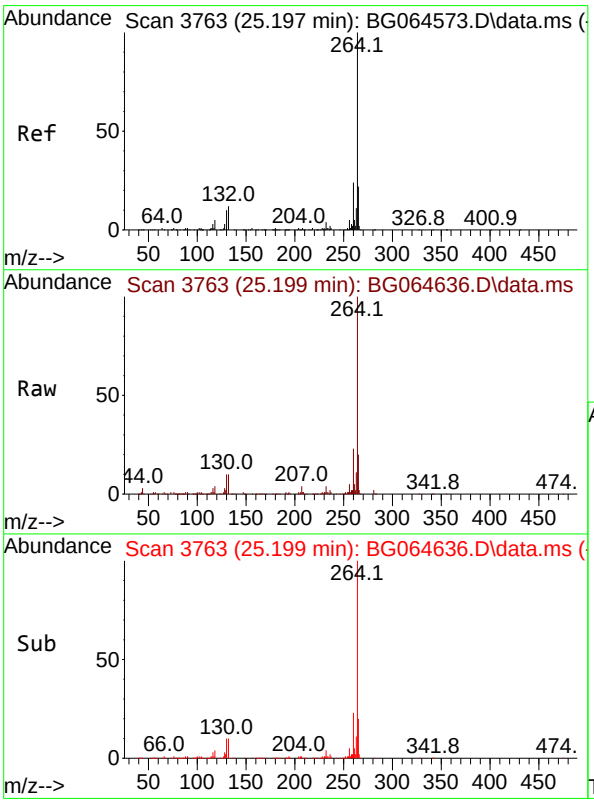
#85
Di-n-octyl phthalate
Concen: 47.074 ng
RT: 22.996 min Scan# 3
Delta R.T. -0.016 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 603742

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.6	10.8	16.2

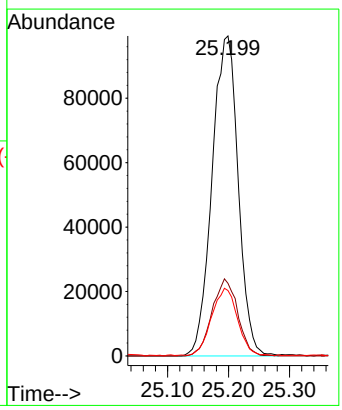


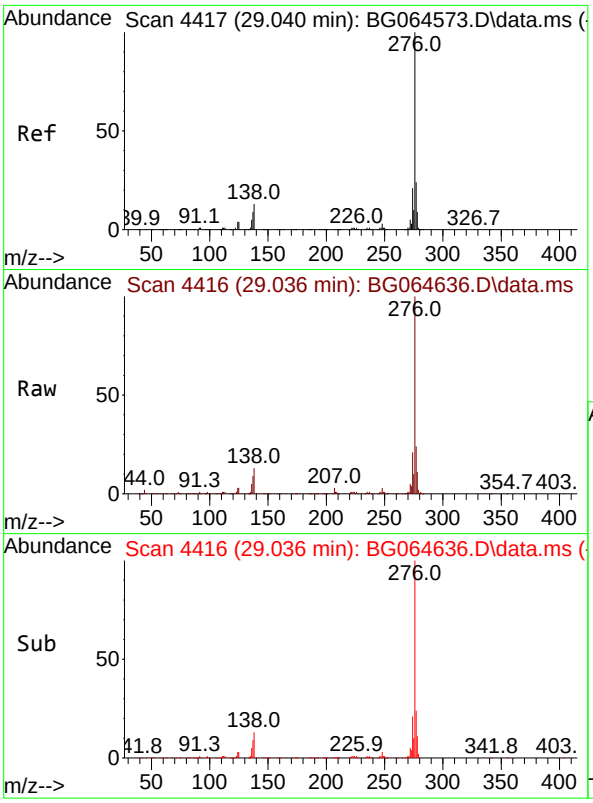


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.199 min Scan# 3763
Delta R.T. 0.002 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:264 Resp: 295961

Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.0	28.4
265	20.5	17.6	26.4



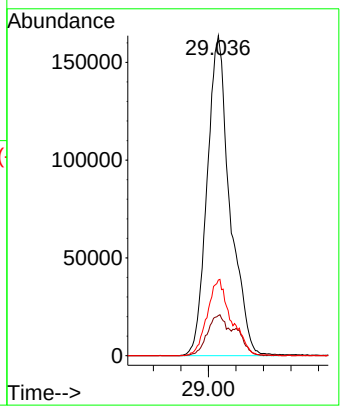


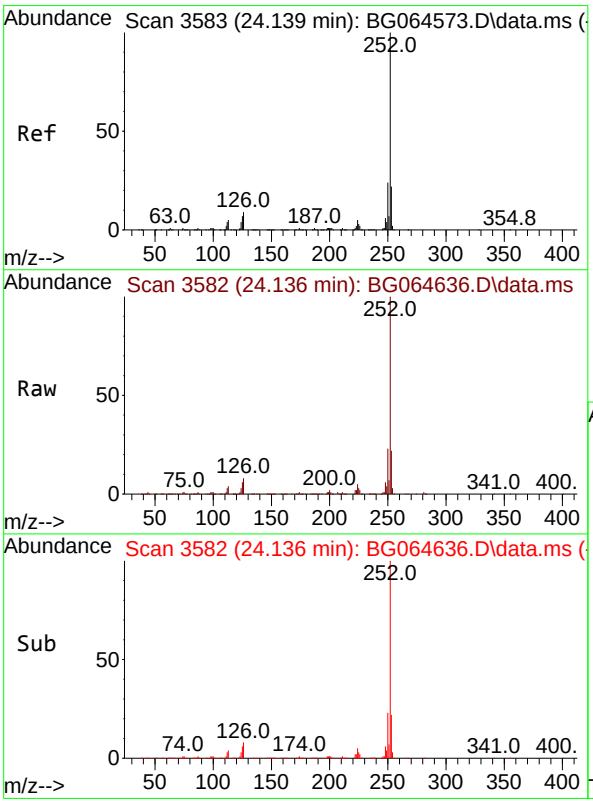
#87
Indeno(1,2,3-cd)pyrene
Concen: 43.313 ng
RT: 29.036 min Scan# 44
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 943017

Ion	Ratio	Lower	Upper
276	100		
138	11.3	10.8	16.2
277	25.0	20.1	30.1

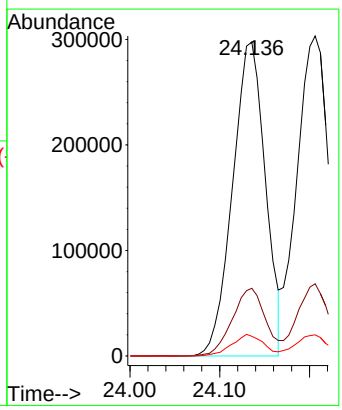


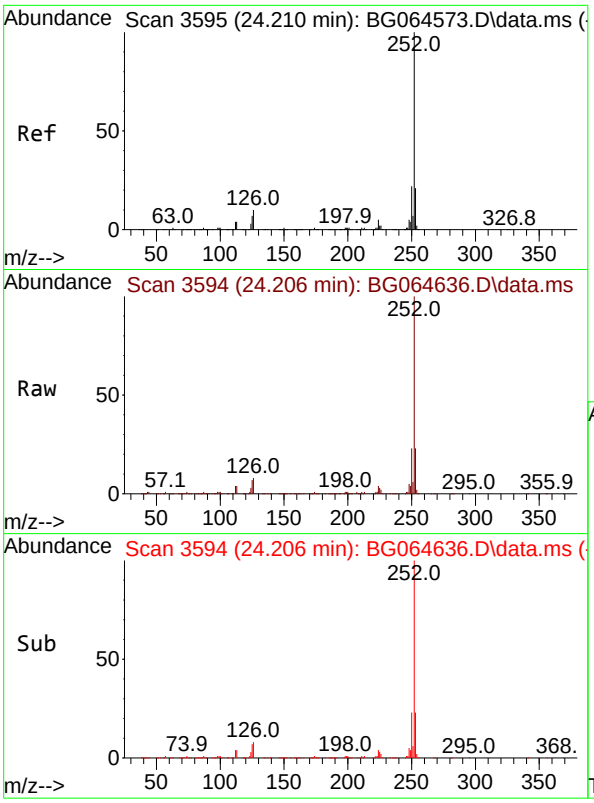


#88
Benzo(b)fluoranthene
Concen: 41.496 ng
RT: 24.136 min Scan# 3582
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:252 Resp: 753080

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	6.3	5.6	8.4



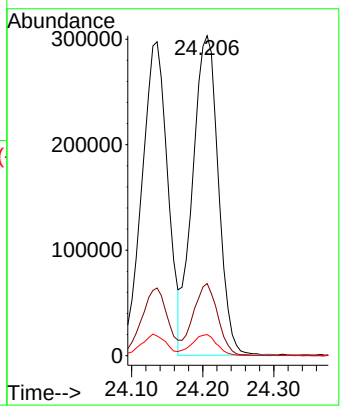


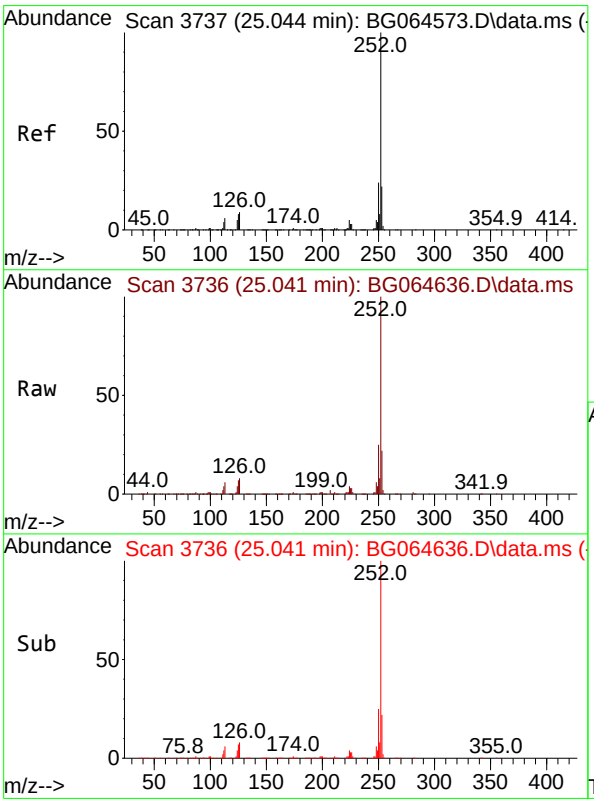
#89
Benzo(k)fluoranthene
Concen: 41.889 ng
RT: 24.206 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 760727

Ion	Ratio	Lower	Upper
252	100		
253	22.5	16.8	25.2
125	6.6	5.4	8.0

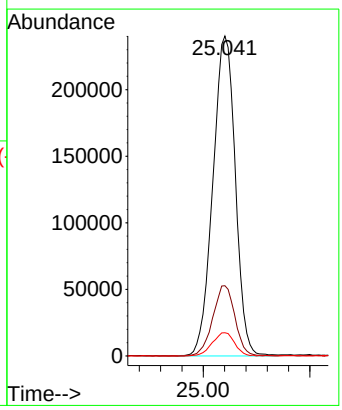


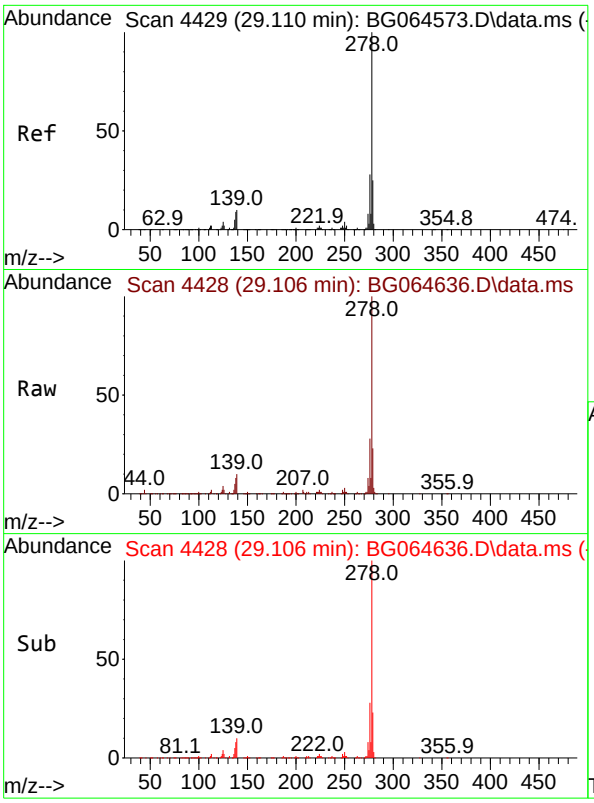


#90
Benzo(a)pyrene
Concen: 42.211 ng
RT: 25.041 min Scan# 3736
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:252 Resp: 704164

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	7.3	6.1	9.1



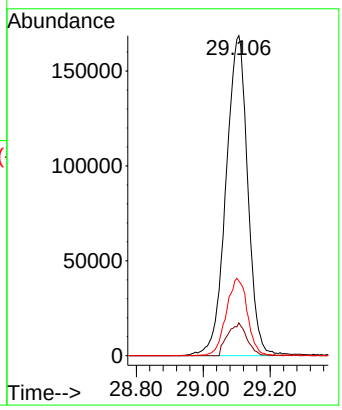


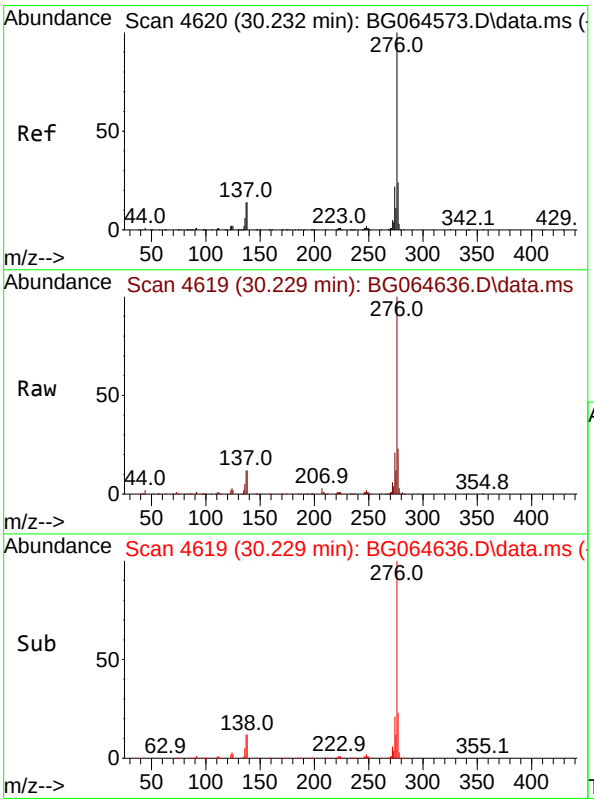
#91
Dibenzo(a,h)anthracene
Concen: 42.934 ng
RT: 29.106 min Scan# 44
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 759427

Ion	Ratio	Lower	Upper
278	100		
139	10.3	8.0	12.0
279	23.3	19.8	29.6

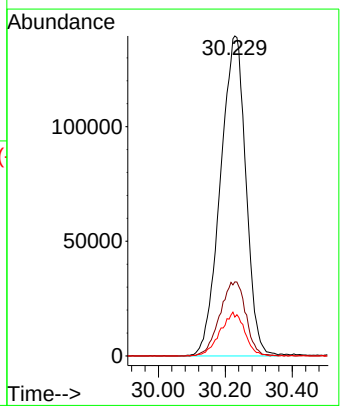




#92
Benzo(g,h,i)perylene
Concen: 43.547 ng
RT: 30.229 min Scan# 4619
Delta R.T. -0.004 min
Lab File: BG064636.D
Acq: 30 Oct 2025 11:36

Tgt Ion:276 Resp: 735814

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.1	28.7
138	12.2	11.3	16.9



Sample Results: **BG064636.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064636.D
Acq On : 30 Oct 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 04:21:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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	81	0.00
2		1,4-Dioxane	0.528	0.546	-3.4	84	0.00
3		Pyridine	1.584	1.626	-2.7	79	0.00
4		n-Nitrosodimethylamine	0.850	0.877	-3.2	79	0.00
5	S	2-Fluorophenol	1.192	1.233	-3.4	77	0.00
6		Aniline	2.225	2.102	5.5	71	0.00
7	S	Phenol-d6	1.635	1.603	2.0	73	0.00
8		2-Chlorophenol	1.247	1.369	-9.8	81	0.00
9		Benzaldehyde	0.893	0.861	3.6	74	0.00
10	C	Phenol	1.808	1.761	2.6	73	0.00
11		bis(2-Chloroethyl)ether	1.329	1.296	2.5	76	0.00
12		1,3-Dichlorobenzene	1.435	1.559	-8.6	83	0.00
13	C	1,4-Dichlorobenzene	1.460	1.552	-6.3	82	0.00
14		1,2-Dichlorobenzene	1.408	1.512	-7.4	82	0.00
15		Benzyl Alcohol	1.348	1.390	-3.1	79	0.00
16		2,2'-oxybis(1-Chloropropane	3.487	3.562	-2.2	77	0.00
17		2-Methylphenol	1.201	1.221	-1.7	78	0.00
18		Hexachloroethane	0.512	0.586	-14.5	88	0.00
19	P	n-Nitroso-di-n-propylamine	1.130	1.116	1.2	74	0.00
20		3+4-Methylphenols	1.688	1.620	4.0	72	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	77	0.00
22		Acetophenone	0.547	0.558	-2.0	74	0.00
23	S	Nitrobenzene-d5	0.333	0.420	-26.1#	86	0.00
24		Nitrobenzene	0.362	0.438	-21.0	83	0.00
25		Isophorone	0.799	0.808	-1.1	72	0.00
26	C	2-Nitrophenol	0.121	0.180	-48.8#	102	0.00
27		2,4-Dimethylphenol	0.297	0.320	-7.7	74	0.00
28		bis(2-Chloroethoxy)methane	0.455	0.460	-1.1	73	0.00
29	C	2,4-Dichlorophenol	0.320	0.361	-12.8	78	0.00
30		1,2,4-Trichlorobenzene	0.363	0.398	-9.6	79	0.00
31		Naphthalene	1.109	1.158	-4.4	76	0.00
32		Benzoic acid	0.207	0.230	-11.1	80	-0.01
33		4-Chloroaniline	0.431	0.422	2.1	71	0.00
34	C	Hexachlorobutadiene	0.284	0.320	-12.7	83	0.00
35		Caprolactam	0.123	0.106	13.8	61	0.00
36	C	4-Chloro-3-methylphenol	0.384	0.390	-1.6	71	0.00
37		2-Methylnaphthalene	0.814	0.842	-3.4	75	0.00
38		1-Methylnaphthalene	0.806	0.816	-1.2	74	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	72	0.00
40		1,2,4,5-Tetrachlorobenzene	0.671	0.762	-13.6	79	0.00
41	P	Hexachlorocyclopentadiene	0.302	0.413	-36.8#	92	0.00
42	S	2,4,6-Tribromophenol	0.289	0.317	-9.7	72	0.00
43	C	2,4,6-Trichlorophenol	0.384	0.457	-19.0	78	0.00
44		2,4,5-Trichlorophenol	0.443	0.495	-11.7	74	0.00
45	S	2-Fluorobiphenyl	1.319	1.427	-8.2	75	0.00
46		1,1'-Biphenyl	1.422	1.507	-6.0	73	0.00
47		2-Chloronaphthalene	1.073	1.145	-6.7	73	0.00

Sample Results: **BG064636.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064636.D
Acq On : 30 Oct 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 04:21:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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	0.392	-26.0#	81	0.00
49		Acenaphthylene	1.693	1.756	-3.7	71	0.00
50		Dimethylphthalate	1.530	1.509	1.4	67	0.00
51		2,6-Dinitrotoluene	0.218	0.281	-28.9#	82	0.00
52	C	Acenaphthene	1.157	1.205	-4.1	71	0.00
53		3-Nitroaniline	0.263	0.304	-15.6	75	0.00
54	P	2,4-Dinitrophenol	0.132	0.181	-37.1#	96	0.00
55		Dibenzofuran	1.870	1.869	0.1	69	0.00
56	P	4-Nitrophenol	0.244	0.267	-9.4	74	0.00
57		2,4-Dinitrotoluene	0.340	0.413	-21.5	78	0.00
58		Fluorene	1.460	1.442	1.2	68	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.473	-11.6	73	0.00
60		Diethylphthalate	1.563	1.474	5.7	64	0.00
61		4-Chlorophenyl-phenylether	0.820	0.831	-1.3	69	0.00
62		4-Nitroaniline	0.293	0.318	-8.5	70	0.00
63		Azobenzene	1.434	1.363	5.0	64	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	67	0.00
65		4,6-Dinitro-2-methylphenol	0.079	0.117	-48.1#	95	0.00
66	c	n-Nitrosodiphenylamine	0.540	0.569	-5.4	66	0.00
67		4-Bromophenyl-phenylether	0.237	0.261	-10.1	68	0.00
68		Hexachlorobenzene	0.270	0.291	-7.8	67	0.00
69		Atrazine	0.232	0.232	0.0	64	0.00
70	C	Pentachlorophenol	0.169	0.195	-15.4	73	0.00
71		Phenanthrene	1.094	1.114	-1.8	64	0.00
72		Anthracene	1.113	1.144	-2.8	65	0.00
73		Carbazole	0.981	1.006	-2.5	66	0.00
74		Di-n-butylphthalate	1.134	1.131	0.3	61	0.00
75	C	Fluoranthene	1.370	1.451	-5.9	68	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	77	0.00
77		Benzidine	0.448	0.467	-4.2	74	0.00
78		Pyrene	1.307	1.247	4.6	68	0.00
79	S	Terphenyl-d14	1.060	1.043	1.6	71	0.00
80		Butylbenzylphthalate	0.395	0.445	-12.7	77	0.00
81		Benzo(a)anthracene	1.326	1.410	-6.3	77	0.00
82		3,3'-Dichlorobenzidine	0.443	0.493	-11.3	80	0.00
83		Chrysene	1.262	1.324	-4.9	76	0.00
84		Bis(2-ethylhexyl)phthalate	0.590	0.652	-10.5	75	0.00
85	c	Di-n-octyl phthalate	0.995	1.171	-17.7	83	-0.02
86	I	Perylene-d12	1.000	1.000	0.0	84	0.00
87		Indeno(1,2,3-cd)pyrene	1.471	1.593	-8.3	86	0.00
88		Benzo(b)fluoranthene	1.226	1.272	-3.8	81	0.00
89		Benzo(k)fluoranthene	1.227	1.285	-4.7	84	0.00
90	C	Benzo(a)pyrene	1.127	1.190	-5.6	84	0.00
91		Dibenzo(a,h)anthracene	1.195	1.283	-7.4	85	0.00
92		Benzo(g,h,i)perylene	1.142	1.243	-8.8	86	0.00

Sample Results: **BG064636.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064636.D
Acq On : 30 Oct 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 04:21:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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: **BG064636.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064636.D
Acq On : 30 Oct 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 04:21:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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	81	0.00
2		1,4-Dioxane	40.000	41.400	-3.5	84	0.00
3		Pyridine	40.000	41.054	-2.6	79	0.00
4		n-Nitrosodimethylamine	40.000	41.282	-3.2	79	0.00
5	S	2-Fluorophenol	80.000	82.805	-3.5	77	0.00
6		Aniline	40.000	37.797	5.5	71	0.00
7	S	Phenol-d6	80.000	78.424	2.0	73	0.00
8		2-Chlorophenol	40.000	43.910	-9.8	81	0.00
9		Benzaldehyde	40.000	38.596	3.5	74	0.00
10	C	Phenol	40.000	38.953	2.6	73	0.00
11		bis(2-Chloroethyl)ether	40.000	39.002	2.5	76	0.00
12		1,3-Dichlorobenzene	40.000	43.441	-8.6	83	0.00
13	C	1,4-Dichlorobenzene	40.000	42.528	-6.3	82	0.00
14		1,2-Dichlorobenzene	40.000	42.953	-7.4	82	0.00
15		Benzyl Alcohol	40.000	41.237	-3.1	79	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.856	-2.1	77	0.00
17		2-Methylphenol	40.000	40.671	-1.7	78	0.00
18		Hexachloroethane	40.000	45.739	-14.3	88	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.522	1.2	74	0.00
20		3+4-Methylphenols	40.000	38.381	4.0	72	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	77	0.00
22		Acetophenone	40.000	40.856	-2.1	74	0.00
23	S	Nitrobenzene-d5	80.000	100.795	-26.0#	86	0.00
24		Nitrobenzene	40.000	48.375	-20.9	83	0.00
25		Isophorone	40.000	40.473	-1.2	72	0.00
26	C	2-Nitrophenol	40.000	51.379	-28.4#	102	0.00
27		2,4-Dimethylphenol	40.000	43.090	-7.7	74	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.406	-1.0	73	0.00
29	C	2,4-Dichlorophenol	40.000	45.182	-13.0	78	0.00
30		1,2,4-Trichlorobenzene	40.000	43.767	-9.4	79	0.00
31		Naphthalene	40.000	41.755	-4.4	76	0.00
32		Benzoic acid	40.000	41.641	-4.1	80	-0.01
33		4-Chloroaniline	40.000	39.165	2.1	71	0.00
34	C	Hexachlorobutadiene	40.000	44.987	-12.5	83	0.00
35		Caprolactam	40.000	34.554	13.6	61	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.557	-1.4	71	0.00
37		2-Methylnaphthalene	40.000	41.379	-3.4	75	0.00
38		1-Methylnaphthalene	40.000	40.524	-1.3	74	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	72	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	45.407	-13.5	79	0.00
41	P	Hexachlorocyclopentadiene	40.000	54.673	-36.7#	92	0.00
42	S	2,4,6-Tribromophenol	80.000	87.917	-9.9	72	0.00
43	C	2,4,6-Trichlorophenol	40.000	47.604	-19.0	78	0.00
44		2,4,5-Trichlorophenol	40.000	44.690	-11.7	74	0.00
45	S	2-Fluorobiphenyl	80.000	86.520	-8.1	75	0.00
46		1,1'-Biphenyl	40.000	42.404	-6.0	73	0.00
47		2-Chloronaphthalene	40.000	42.675	-6.7	73	0.00

Sample Results: **BG064636.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064636.D
Acq On : 30 Oct 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 04:21:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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	43.795	-9.5	81	0.00
49		Acenaphthylene	40.000	41.484	-3.7	71	0.00
50		Dimethylphthalate	40.000	39.451	1.4	67	0.00
51		2,6-Dinitrotoluene	40.000	44.784	-12.0	82	0.00
52	C	Acenaphthene	40.000	41.683	-4.2	71	0.00
53		3-Nitroaniline	40.000	46.309	-15.8	75	0.00
54	P	2,4-Dinitrophenol	40.000	48.950	-22.4	96	0.00
55		Dibenzofuran	40.000	39.980	0.1	69	0.00
56	P	4-Nitrophenol	40.000	43.812	-9.5	74	0.00
57		2,4-Dinitrotoluene	40.000	42.716	-6.8	78	0.00
58		Fluorene	40.000	39.487	1.3	68	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	44.655	-11.6	73	0.00
60		Diethylphthalate	40.000	37.738	5.7	64	0.00
61		4-Chlorophenyl-phenylether	40.000	40.558	-1.4	69	0.00
62		4-Nitroaniline	40.000	43.493	-8.7	70	0.00
63		Azobenzene	40.000	38.024	4.9	64	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	67	0.00
65		4,6-Dinitro-2-methylphenol	40.000	52.445	-31.1#	95	0.00
66	c	n-Nitrosodiphenylamine	40.000	42.108	-5.3	66	0.00
67		4-Bromophenyl-phenylether	40.000	44.024	-10.1	68	0.00
68		Hexachlorobenzene	40.000	43.121	-7.8	67	0.00
69		Atrazine	40.000	39.893	0.3	64	0.00
70	C	Pentachlorophenol	40.000	46.367	-15.9	73	0.00
71		Phenanthrene	40.000	40.749	-1.9	64	0.00
72		Anthracene	40.000	41.136	-2.8	65	0.00
73		Carbazole	40.000	40.999	-2.5	66	0.00
74		Di-n-butylphthalate	40.000	39.860	0.4	61	0.00
75	C	Fluoranthene	40.000	42.360	-5.9	68	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	77	0.00
77		Benzidine	40.000	41.721	-4.3	74	0.00
78		Pyrene	40.000	38.182	4.5	68	0.00
79	S	Terphenyl-d14	80.000	78.718	1.6	71	0.00
80		Butylbenzylphthalate	40.000	45.114	-12.8	77	0.00
81		Benzo(a)anthracene	40.000	42.521	-6.3	77	0.00
82		3,3'-Dichlorobenzidine	40.000	44.521	-11.3	80	0.00
83		Chrysene	40.000	41.987	-5.0	76	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.177	-10.4	75	0.00
85	c	Di-n-octyl phthalate	40.000	47.074	-17.7	83	-0.02
86	I	Perylene-d12	20.000	20.000	0.0	84	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	43.313	-8.3	86	0.00
88		Benzo(b)fluoranthene	40.000	41.496	-3.7	81	0.00
89		Benzo(k)fluoranthene	40.000	41.889	-4.7	84	0.00
90	C	Benzo(a)pyrene	40.000	42.211	-5.5	84	0.00
91		Dibenzo(a,h)anthracene	40.000	42.934	-7.3	85	0.00
92		Benzo(g,h,i)perylene	40.000	43.547	-8.9	86	0.00

Sample Results: **BG064636.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064636.D
Acq On : 30 Oct 2025 11:36
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Nov 04 04:21:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 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

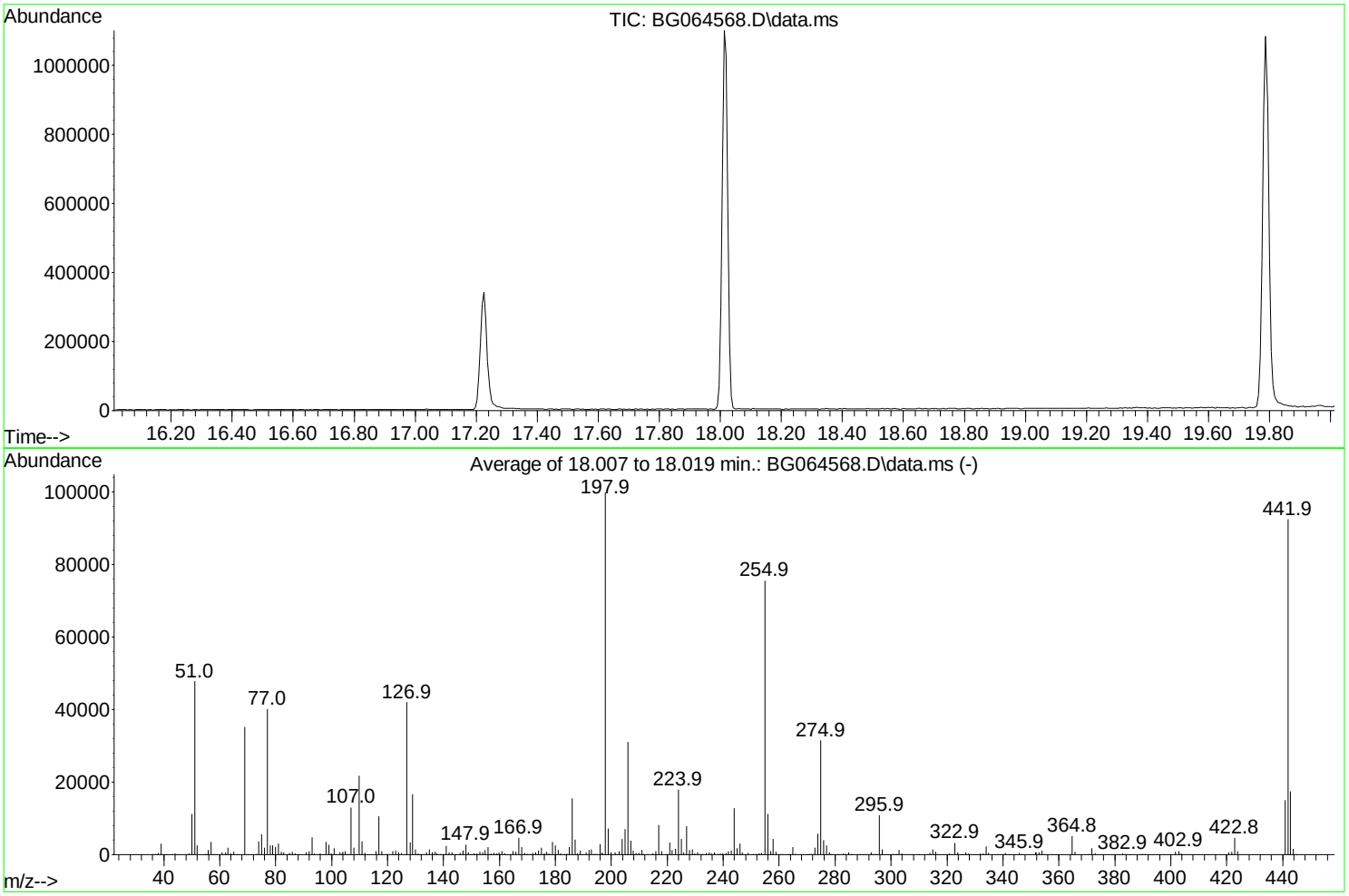
Sample Results: **BG064568.D**

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

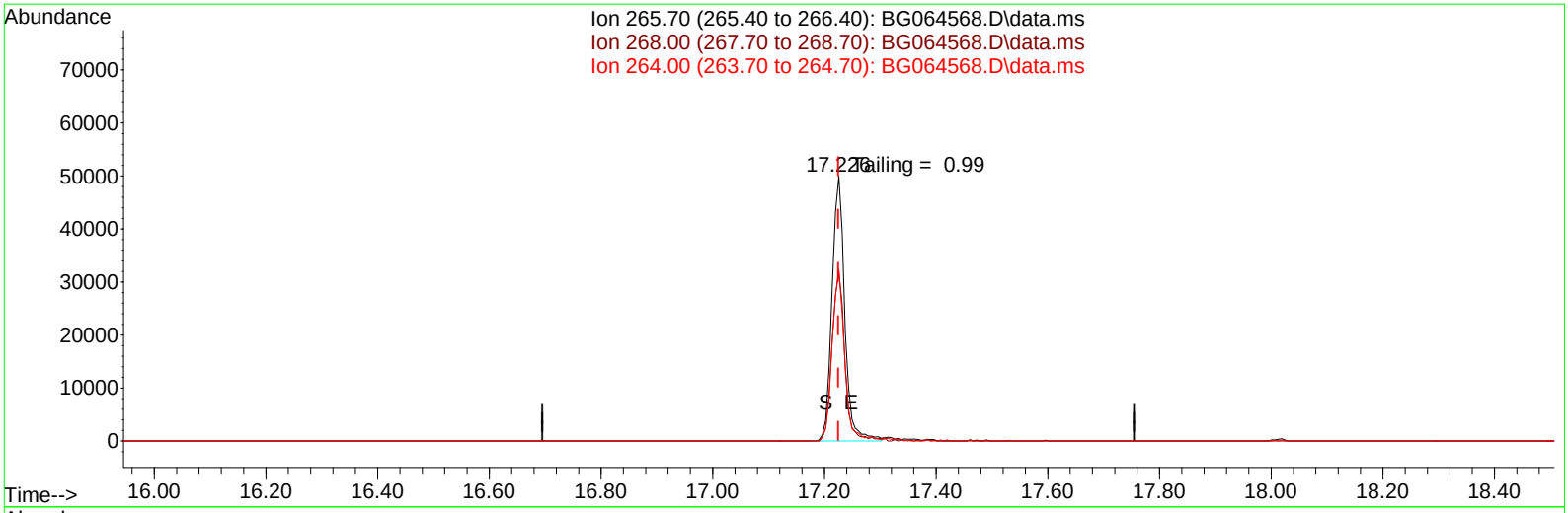
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	35203	PASS
70	69	0.00	2	0.2	70	PASS
197	198	0.00	2	0.4	428	PASS
198	198	100	100	100.0	99864	PASS
199	198	5	9	7.2	7222	PASS
365	198	1	100	5.1	5094	PASS
441	443	0.01	150	86.3	15073	PASS
442	442	100	100	100.0	92525	PASS
443	442	15	24	18.9	17468	PASS

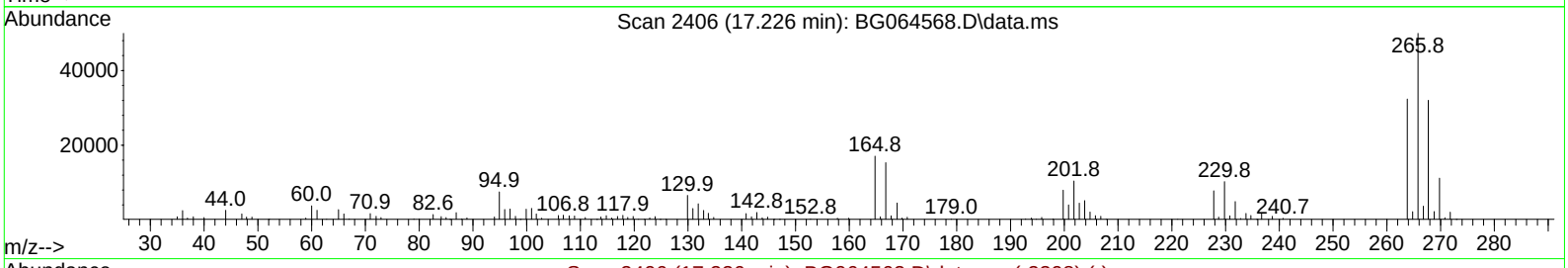
Sample Results: **BG064568.D**

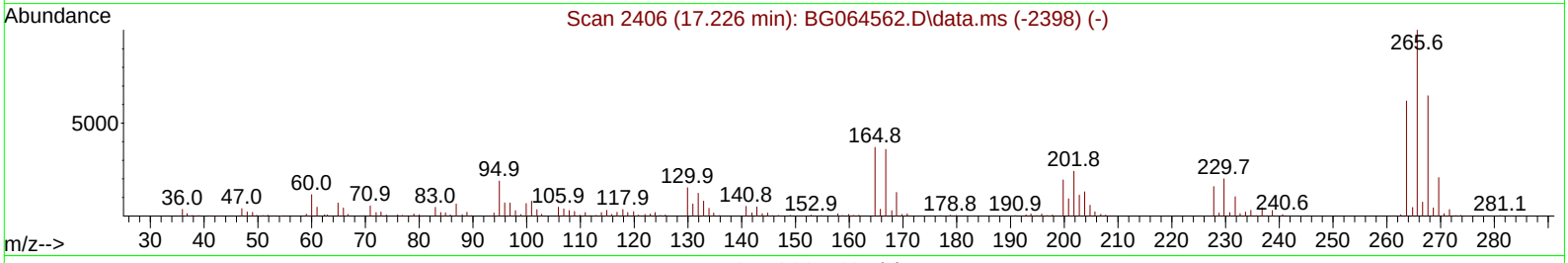
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

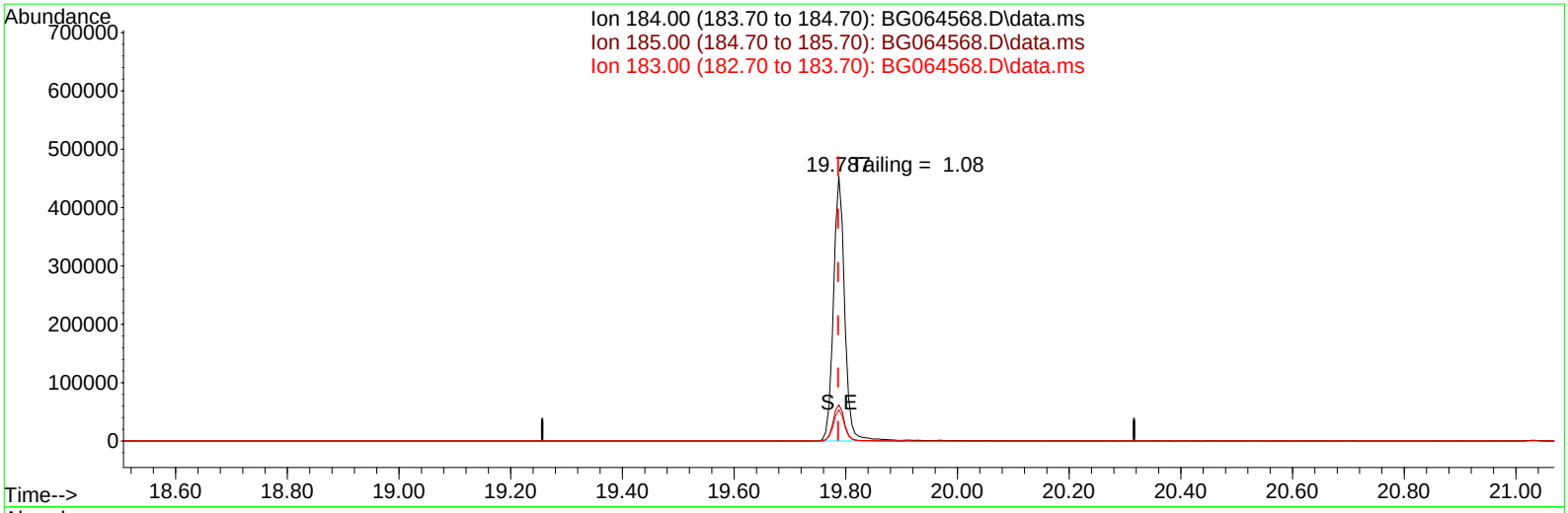
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	69.10	64.11
264.00	61.90	64.80
0.00	0.00	0.00

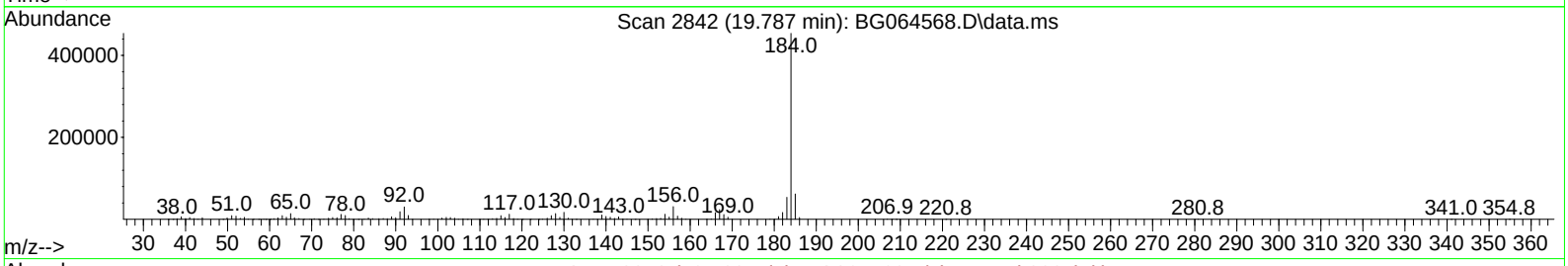
Sample Results: **BG064568.D**

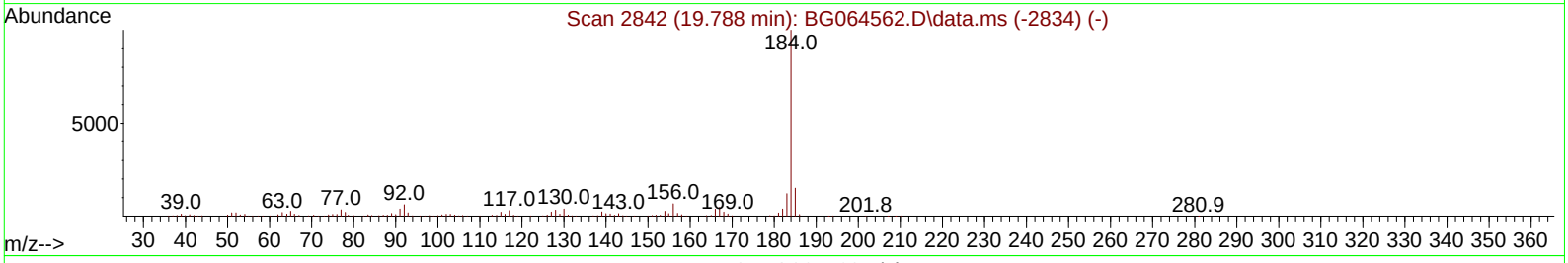
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

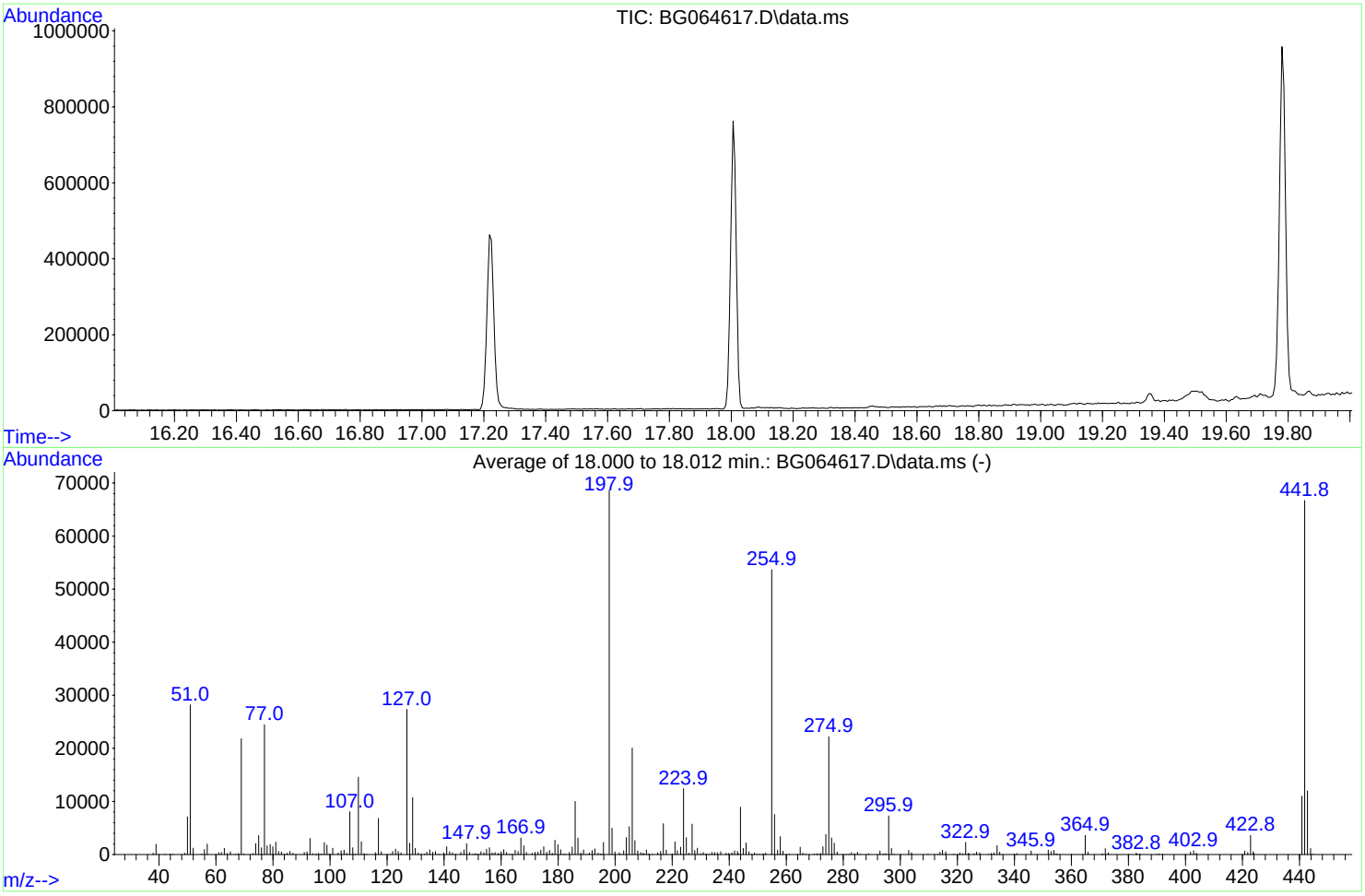
Sample Results: **BG064617.D**

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

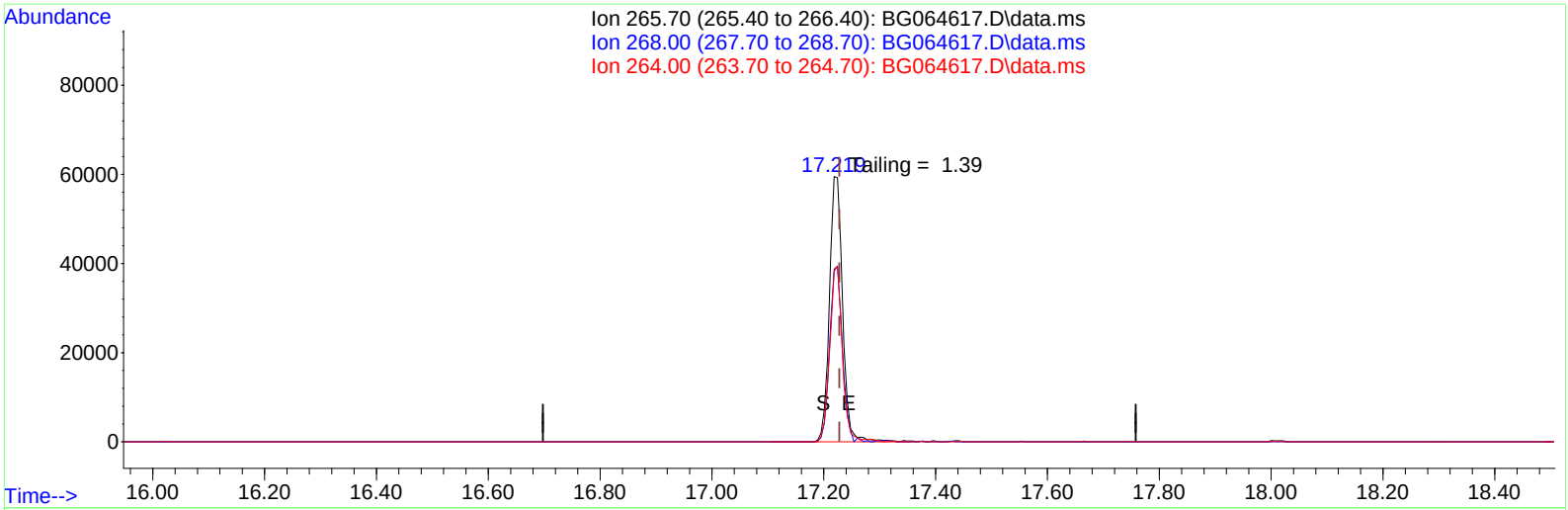
Instrument :
BNA_G
ClientSampleId :
DFTPP

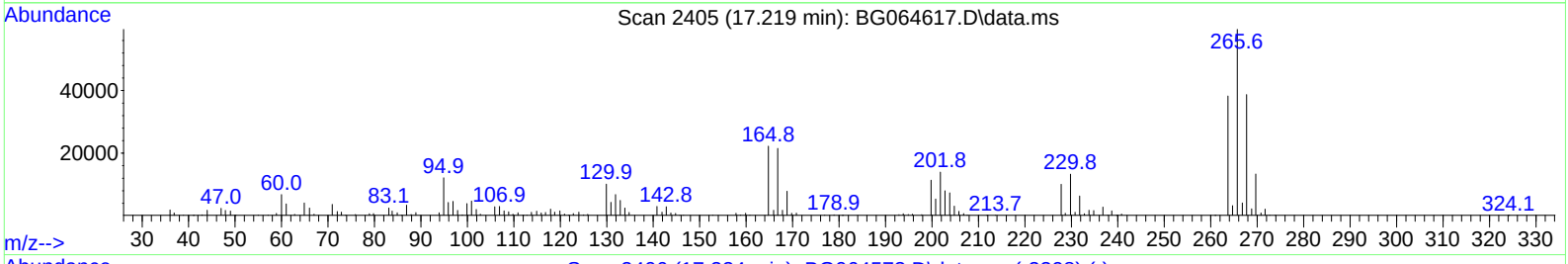
Sample Results: **BG064617.D**

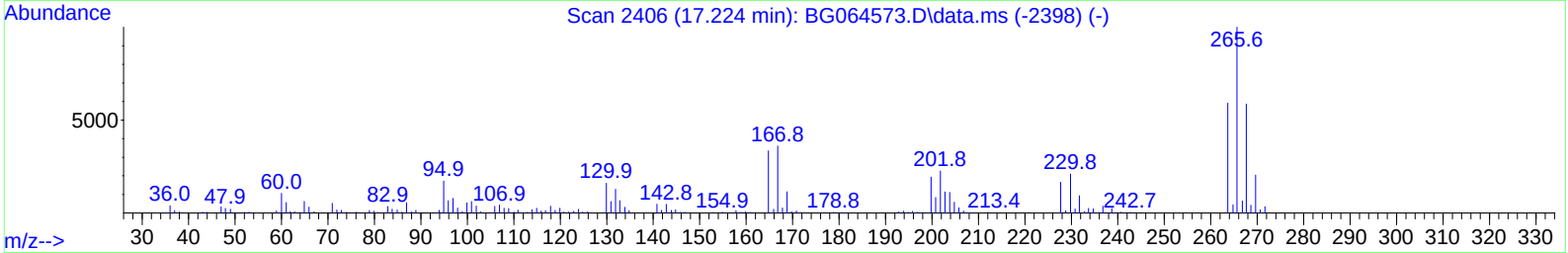
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064617.D
Acq On : 29 Oct 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

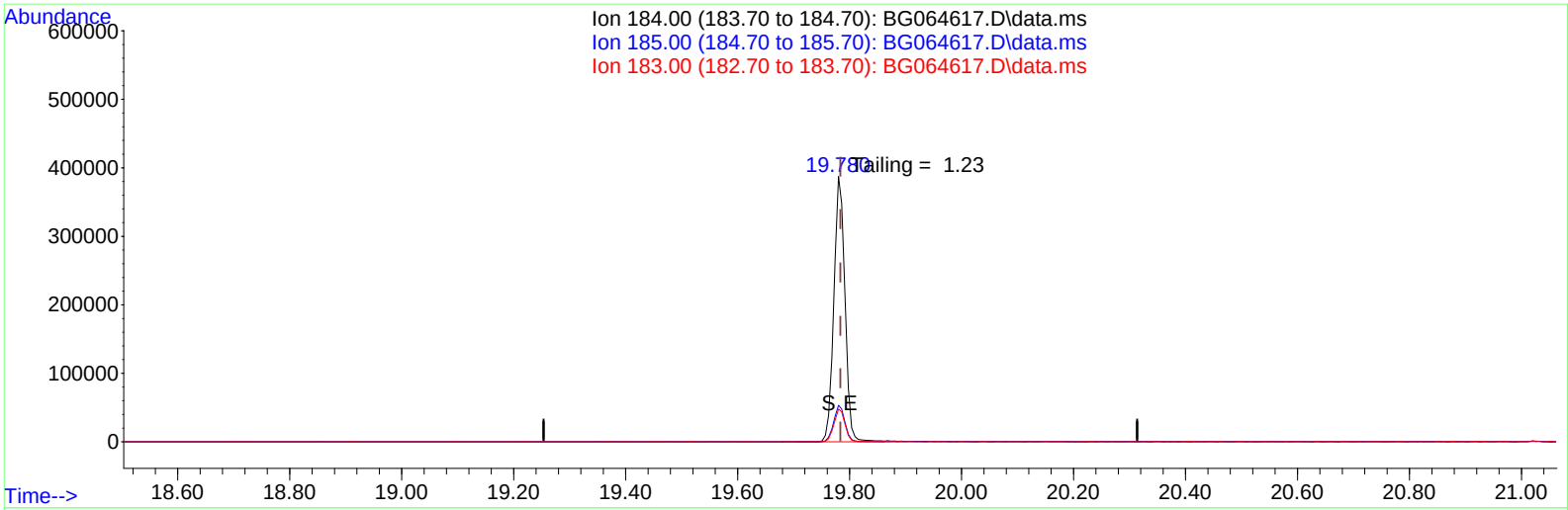
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.90	65.04
264.00	59.10	69.72
0.00	0.00	0.00

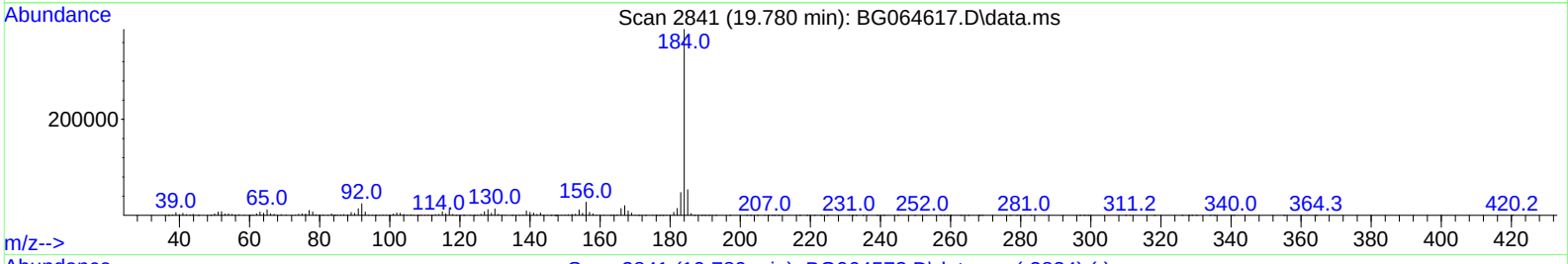
Sample Results: **BG064617.D**

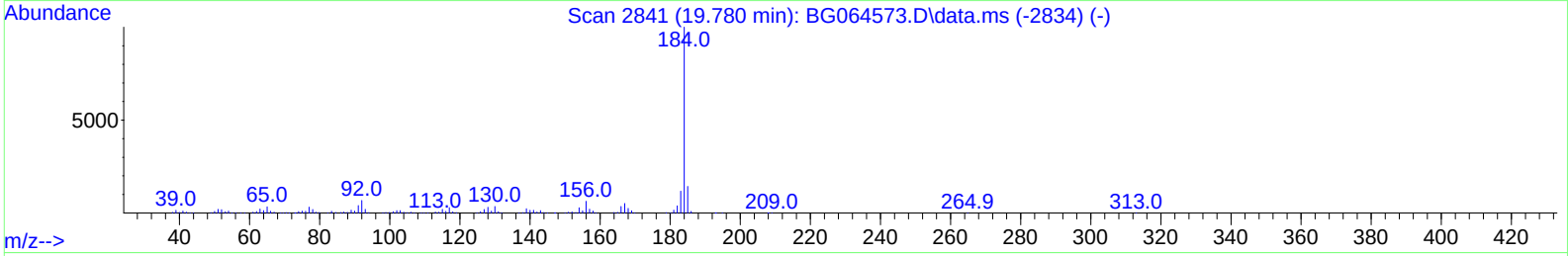
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102925\
Data File : BG064617.D
Acq On : 29 Oct 2025 10:41
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

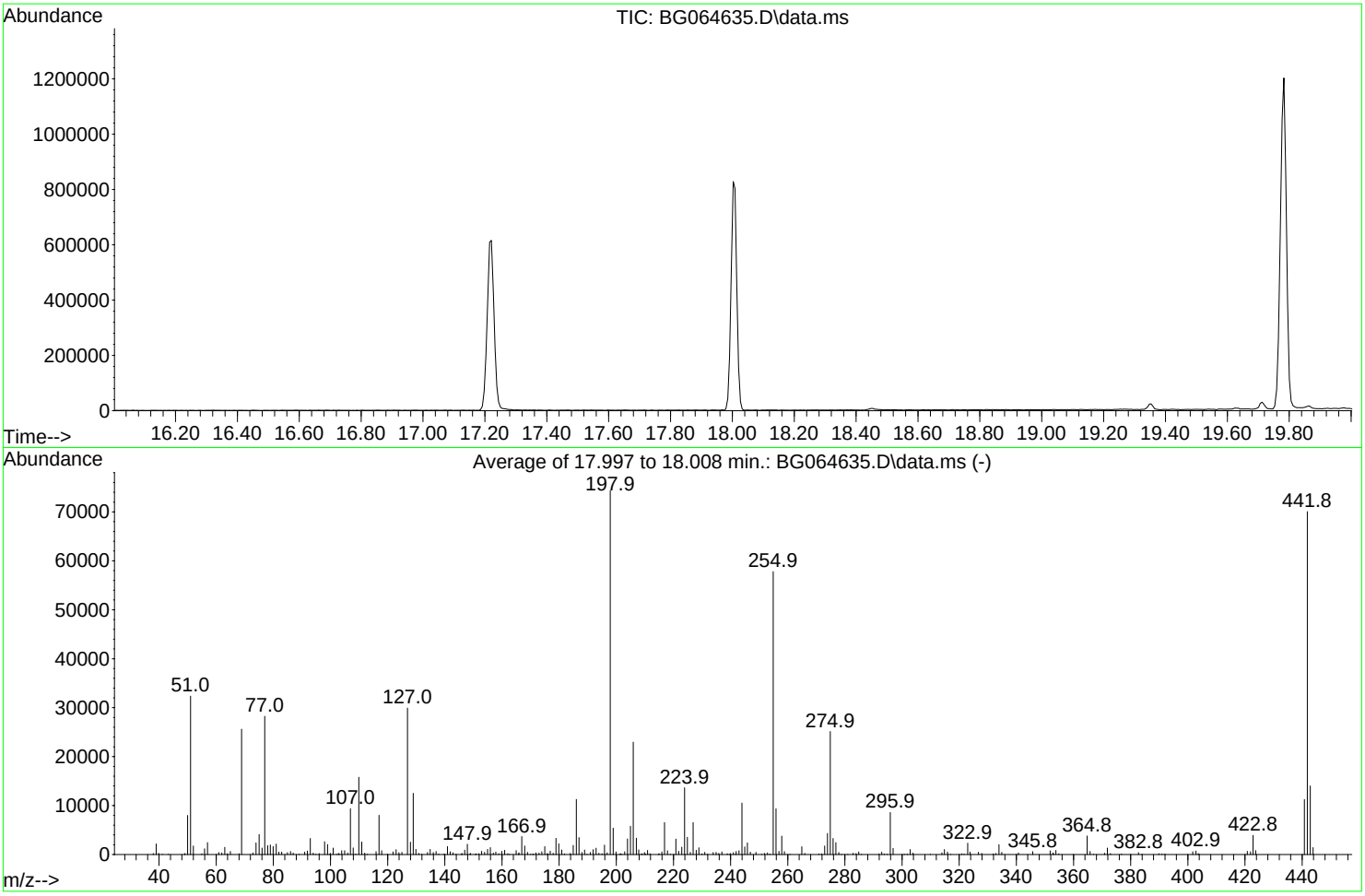
Sample Results: **BG064635.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064635.D
Acq On : 30 Oct 2025 10:55
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 2537, 2538, 2539; Background Corrected with Scan 2531

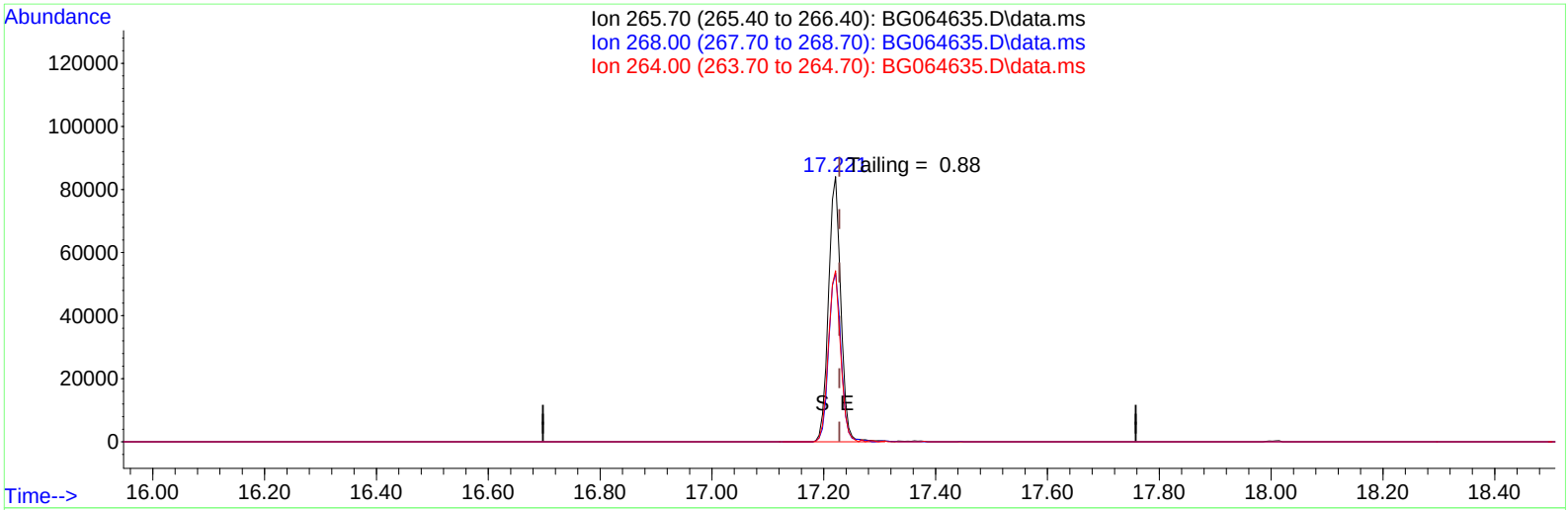
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.7	175	PASS
69	69	100	100	100.0	25608	PASS
70	69	0.00	2	0.0	0	PASS
197	198	0.00	2	0.5	368	PASS
198	198	100	100	100.0	74355	PASS
199	198	5	9	7.3	5401	PASS
365	198	1	100	5.1	3813	PASS
441	443	0.01	150	80.3	11250	PASS
442	442	100	100	100.0	70075	PASS
443	442	15	24	20.0	14011	PASS

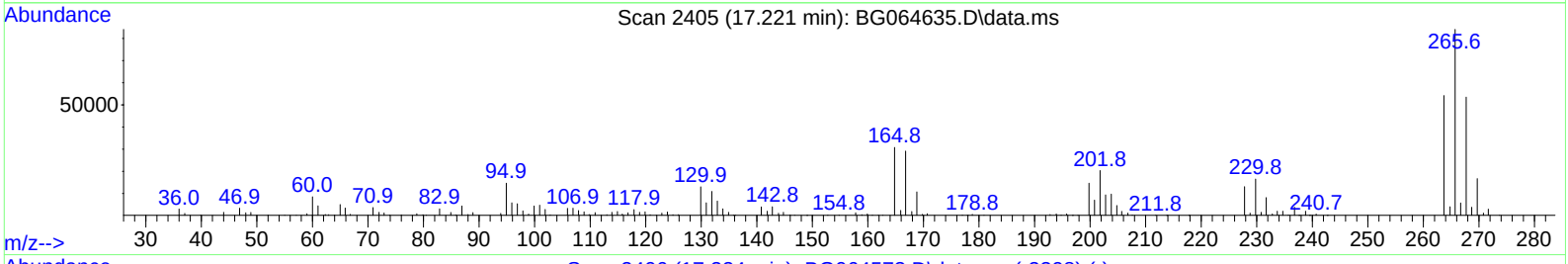
Sample Results: **BG064635.D**

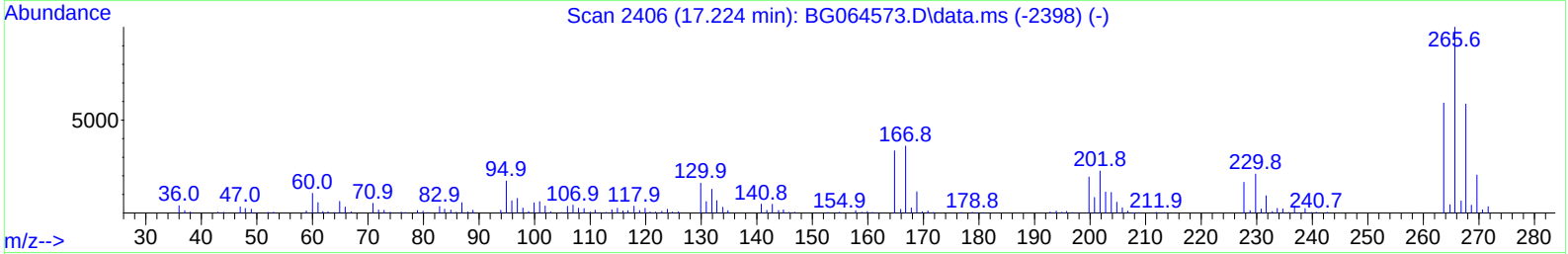
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064635.D
Acq On : 30 Oct 2025 10:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 30 11:34:51 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: BG064635.D\data.ms

(70) Pentachlorophenol (C)

17.221min (-0.007) 25561.00 ng

response 128648

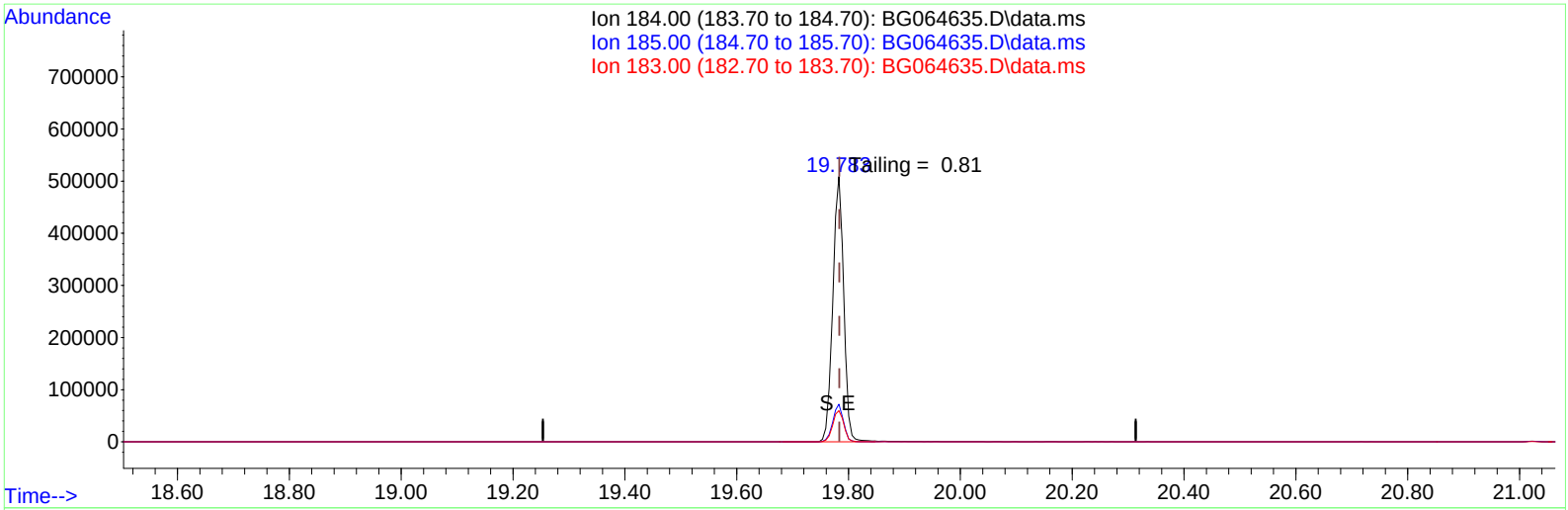
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.90	68.13
264.00	59.10	64.51
0.00	0.00	0.00

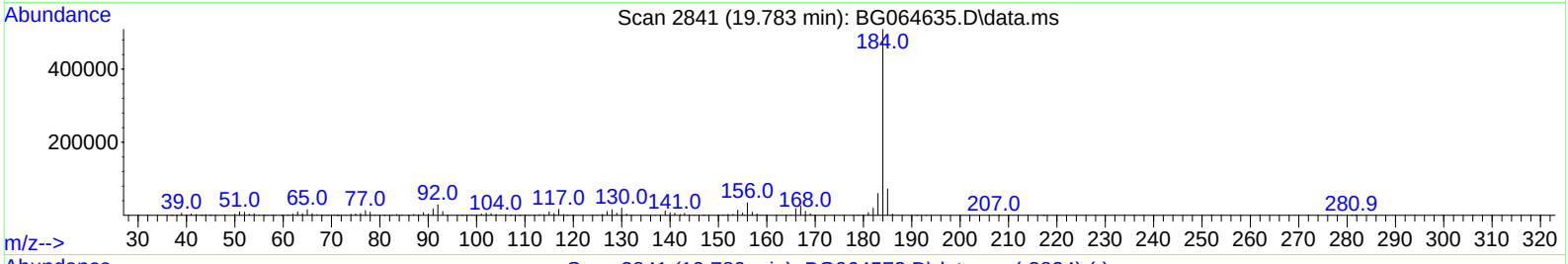
Sample Results: **BG064635.D**

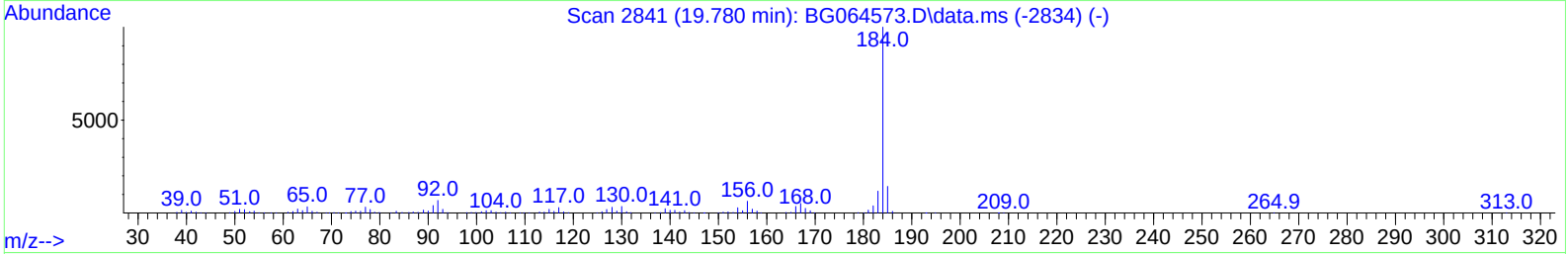
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064635.D
Acq On : 30 Oct 2025 10:55
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 30 11:34:51 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: BG064635.D\data.ms

(77) Benzidine

19.783min (-0.001) 0.00 ng

response 690984

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.22
183.00	11.80	11.74
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/30/2025	BNA_G	BG064635.D
Compound Name	**Response**	**Retention Time**
DDT	367195	21.023
DDD	3406	20.576
DDE	398	20.077
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
3804	370999	1.03

Instrument :
BNA_G
ClientSampleId :
DFTPP

Raw Data: **BG064637.D**

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

Report of Analysis

Client:	LiRo Engineers, Inc.			Date Collected:	
Project:	RFK Bridge RMB-Randall Island			Date Received:	
Client Sample ID:	PB170286BL			SDG No.:	Q3468
Lab Sample ID:	PB170286BL			Matrix:	Water
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	SVOCMS Group1
Prep Method :	3510C	Prep Date:	10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
208-96-8	Acenaphthylene	5.00	U	1	0.75	5.00	ug/L	10/30/25 12:17	PB170286
83-32-9	Acenaphthene	5.00	U	1	0.55	5.00	ug/L	10/30/25 12:17	PB170286
86-73-7	Fluorene	5.00	U	1	0.63	5.00	ug/L	10/30/25 12:17	PB170286
85-01-8	Phenanthrene	5.00	U	1	0.50	5.00	ug/L	10/30/25 12:17	PB170286
120-12-7	Anthracene	5.00	U	1	0.61	5.00	ug/L	10/30/25 12:17	PB170286
206-44-0	Fluoranthene	5.00	U	1	0.82	5.00	ug/L	10/30/25 12:17	PB170286
129-00-0	Pyrene	5.00	U	1	0.50	5.00	ug/L	10/30/25 12:17	PB170286
56-55-3	Benzo(a)anthracene	5.00	U	1	0.45	5.00	ug/L	10/30/25 12:17	PB170286
218-01-9	Chrysene	5.00	U	1	0.44	5.00	ug/L	10/30/25 12:17	PB170286
205-99-2	Benzo(b)fluoranthene	5.00	U	1	0.49	5.00	ug/L	10/30/25 12:17	PB170286
207-08-9	Benzo(k)fluoranthene	5.00	U	1	0.48	5.00	ug/L	10/30/25 12:17	PB170286
50-32-8	Benzo(a)pyrene	5.00	U	1	0.55	5.00	ug/L	10/30/25 12:17	PB170286
193-39-5	Indeno(1,2,3-cd)pyrene	5.00	U	1	0.59	5.00	ug/L	10/30/25 12:17	PB170286
53-70-3	Dibenzo(a,h)anthracene	5.00	U	1	0.67	5.00	ug/L	10/30/25 12:17	PB170286
191-24-2	Benzo(g,h,i)perylene	5.00	U	1	0.69	5.00	ug/L	10/30/25 12:17	PB170286
SURROGATES									
4165-60-0	Nitrobenzene-d5	102			67 - 132	102%	SPK: 100		
321-60-8	2-Fluorobiphenyl	87.4			52 - 132	87%	SPK: 100		
1718-51-0	Terphenyl-d14	79.4			42 - 152	79%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	25100							
1146-65-2	Naphthalene-d8	99200							
15067-26-2	Acenaphthene-d10	73700							
1517-22-2	Phenanthrene-d10	192000							
1719-03-5	Chrysene-d12	261000							
1520-96-3	Perylene-d12	303000							

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: **BG064637.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064637.D
Acq On : 30 Oct 2025 12:17
Operator : RC/JU
Sample : PB170286BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170286BL

Quant Time: Oct 30 12:52:23 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

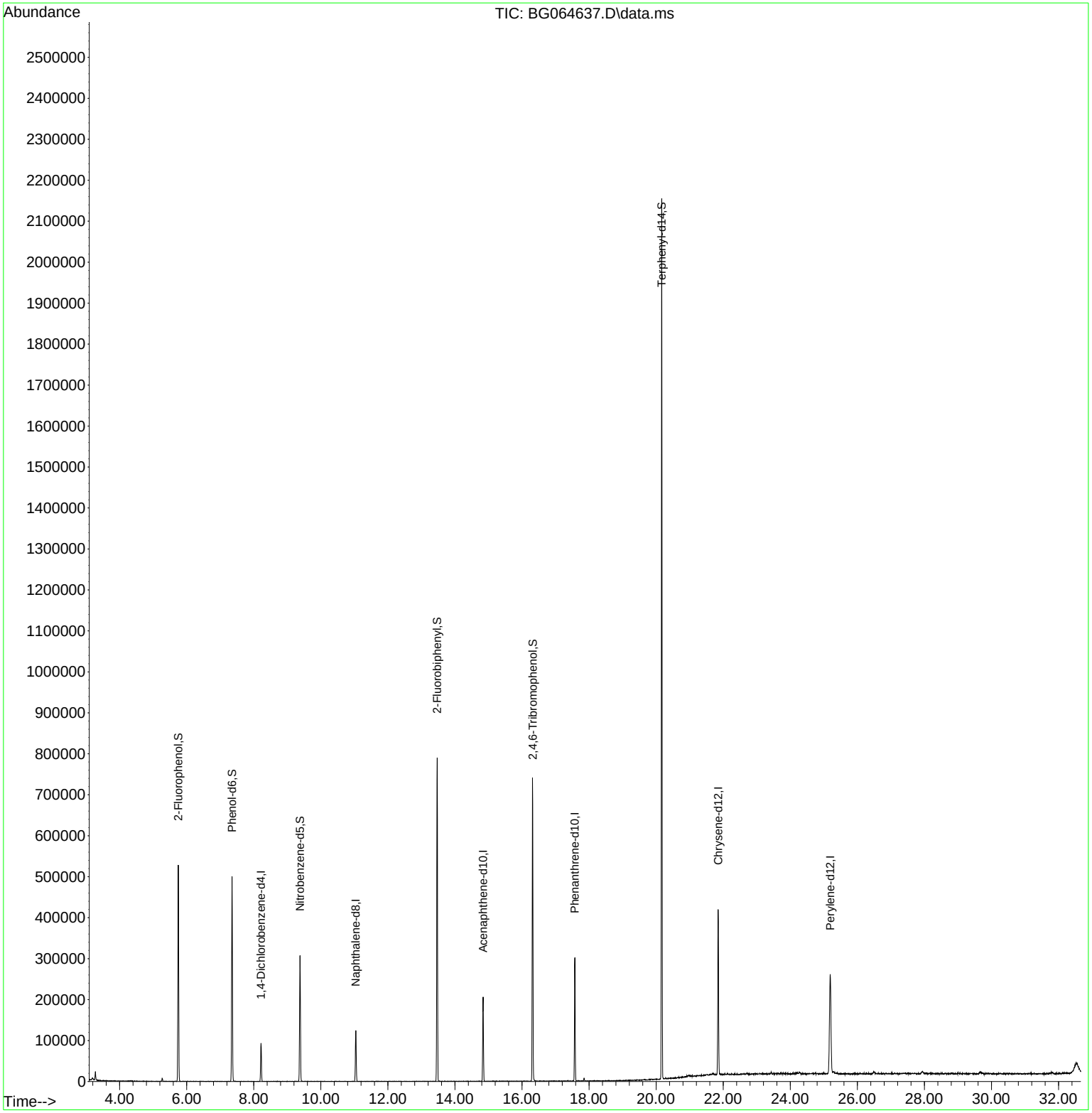
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	25136	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	99198	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	73729	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	191571	20.000	ng	0.00
76) Chrysene-d12	21.848	240	261407	20.000	ng	-0.02
86) Perylene-d12	25.191	264	302809	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	198539	132.577	ng	0.00
7) Phenol-d6	7.353	99	259688	126.373	ng	0.00
23) Nitrobenzene-d5	9.380	82	168217	101.852	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	157646	148.145	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	425146	87.403	ng	0.00
79) Terphenyl-d14	20.168	244	1099593	79.383	ng	0.00
Target Compounds						Qvalue

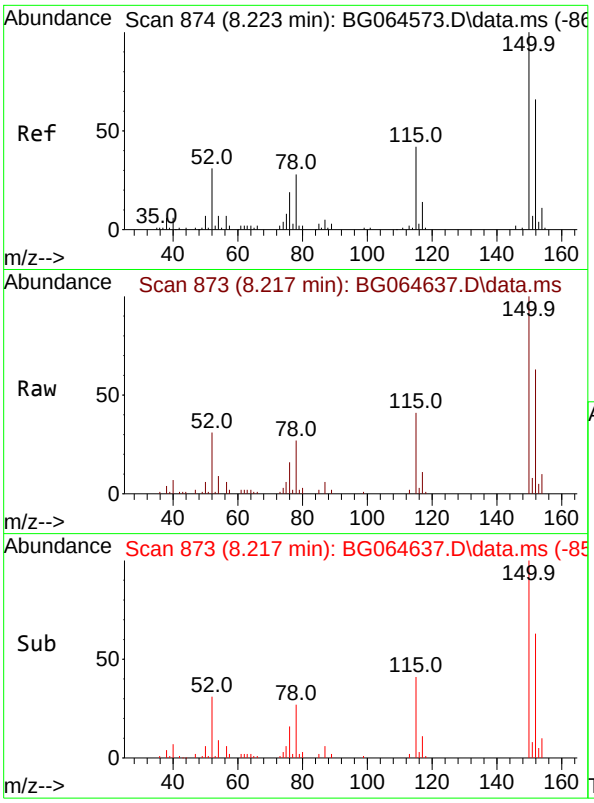
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064637.D
Acq On : 30 Oct 2025 12:17
Operator : RC/JU
Sample : PB170286BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170286BL

Quant Time: Oct 30 12:52:23 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



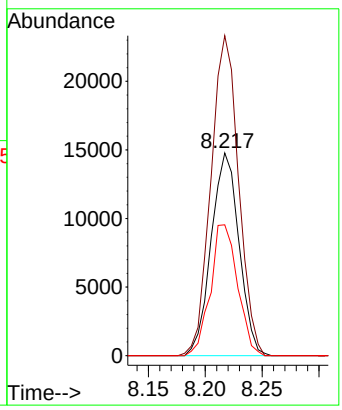


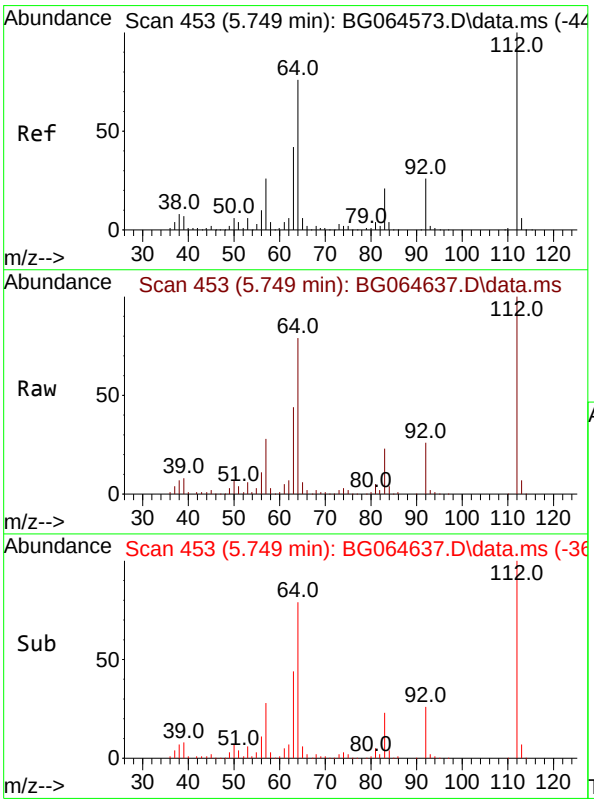
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064637.D
Acq: 30 Oct 2025 12:17

Instrument :
BNA_G
ClientSampleId :
PB170286BL

Tgt Ion:152 Resp: 25136

Ion	Ratio	Lower	Upper
152	100		
150	157.9	122.2	183.4
115	64.6	50.8	76.2

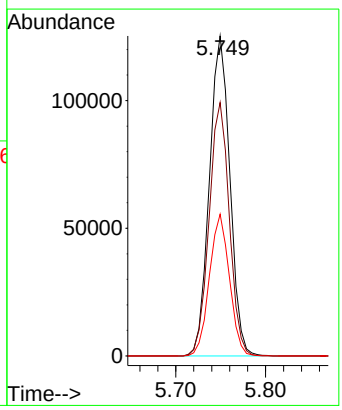


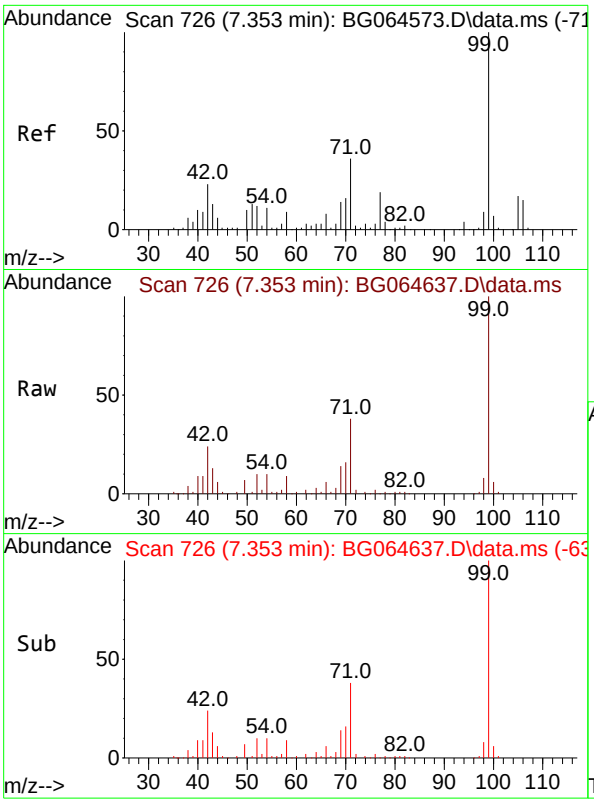


#5
2-Fluorophenol
Concen: 132.577 ng
RT: 5.749 min Scan# 453
Delta R.T. 0.002 min
Lab File: BG064637.D
Acq: 30 Oct 2025 12:17

Tgt Ion:112 Resp: 198539

Ion	Ratio	Lower	Upper
112	100		
64	79.2	60.7	91.1
63	44.3	33.4	50.0



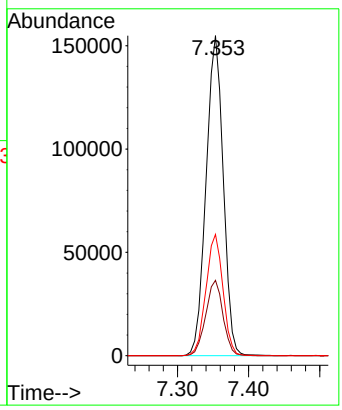


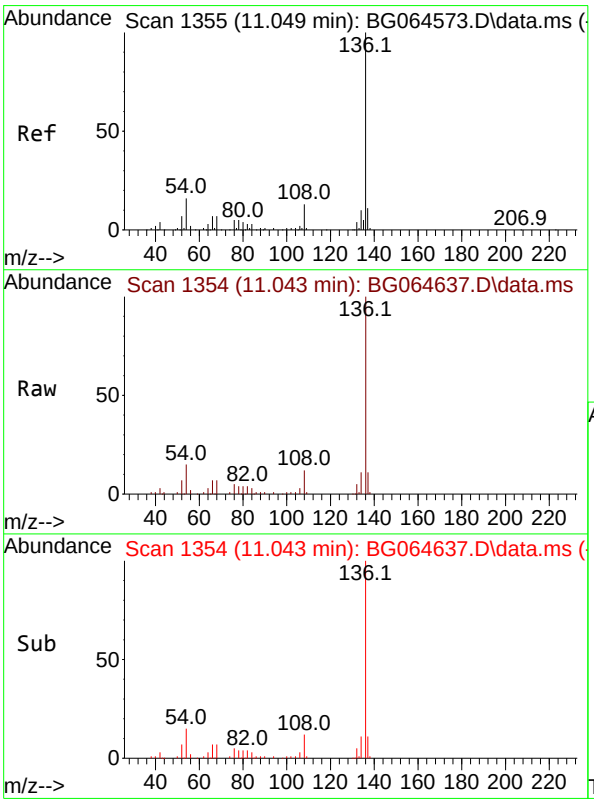
#7
Phenol-d6
Concen: 126.373 ng
RT: 7.353 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064637.D
Acq: 30 Oct 2025 12:17

Instrument :
BNA_G
ClientSampleId :
PB170286BL

Tgt Ion: 99 Resp: 259688

Ion	Ratio	Lower	Upper
99	100		
42	23.5	18.3	27.5
71	37.9	28.6	43.0

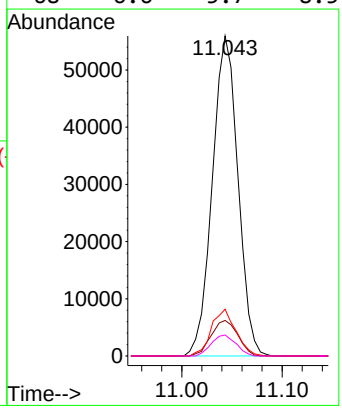


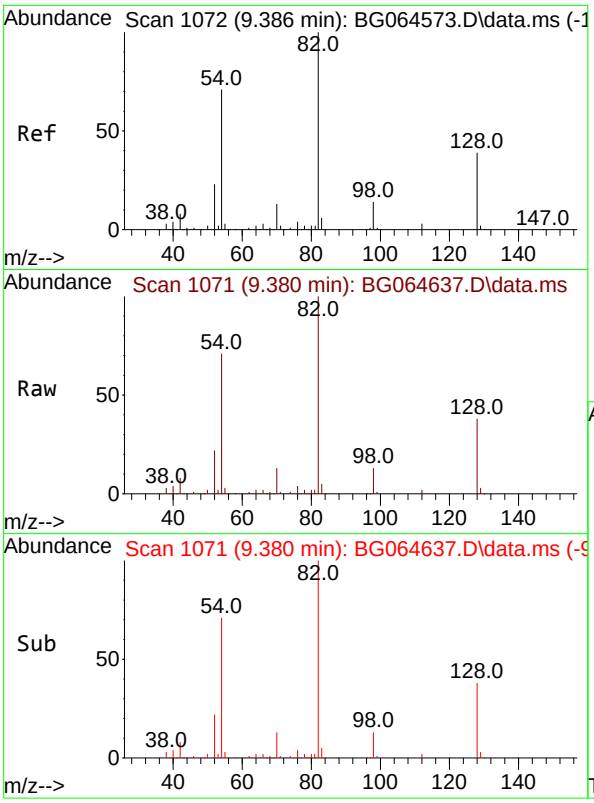


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1354
Delta R.T. -0.009 min
Lab File: BG064637.D
Acq: 30 Oct 2025 12:17

Tgt Ion:136 Resp: 99198

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	14.6	12.6	19.0
68	6.6	5.7	8.5



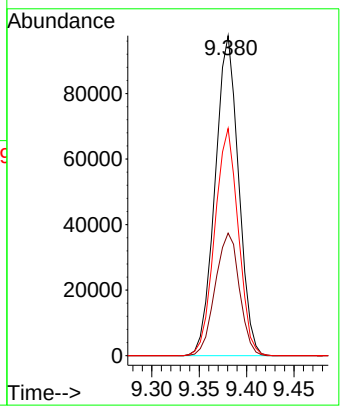


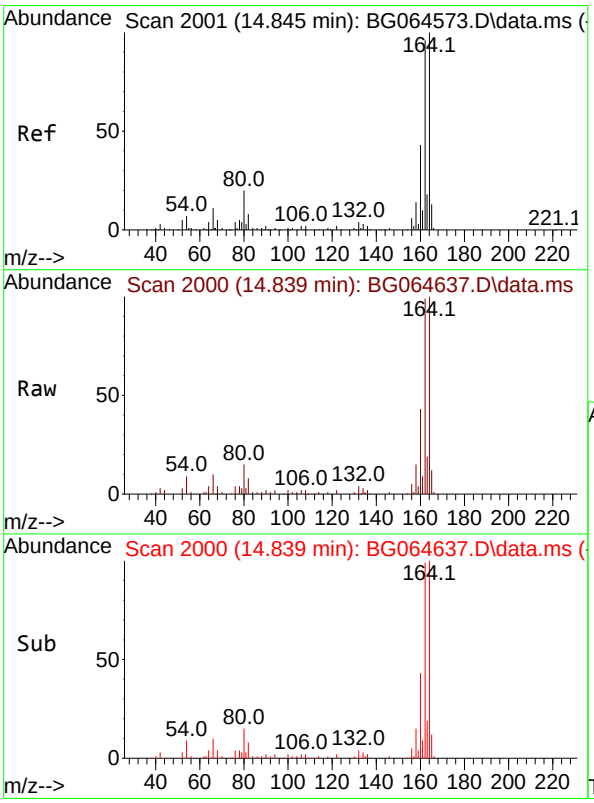
#23
Nitrobenzene-d5
Concen: 101.852 ng
RT: 9.380 min Scan# 1(
Delta R.T. -0.010 min
Lab File: BG064637.D
Acq: 30 Oct 2025 12:17

Instrument :
BNA_G
ClientSampleId :
PB170286BL

Tgt Ion: 82 Resp: 168217

Ion	Ratio	Lower	Upper
82	100		
128	38.3	31.3	46.9
54	71.0	56.6	84.8

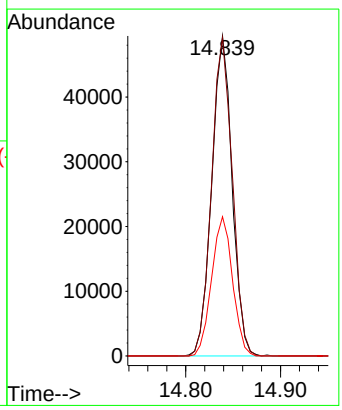


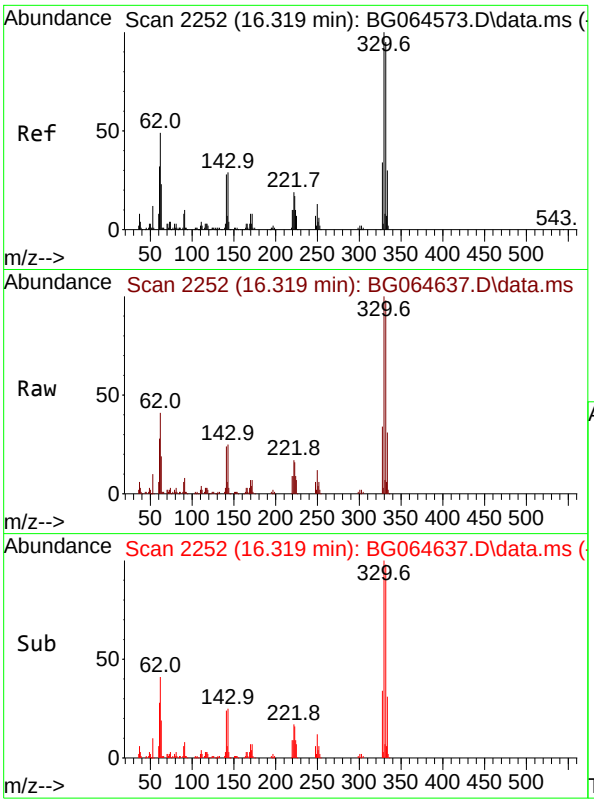


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.003 min
Lab File: BG064637.D
Acq: 30 Oct 2025 12:17

Tgt Ion:164 Resp: 73729

Ion	Ratio	Lower	Upper
164	100		
162	99.5	77.0	115.6
160	43.5	34.4	51.6



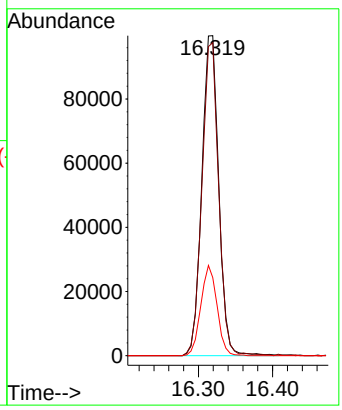


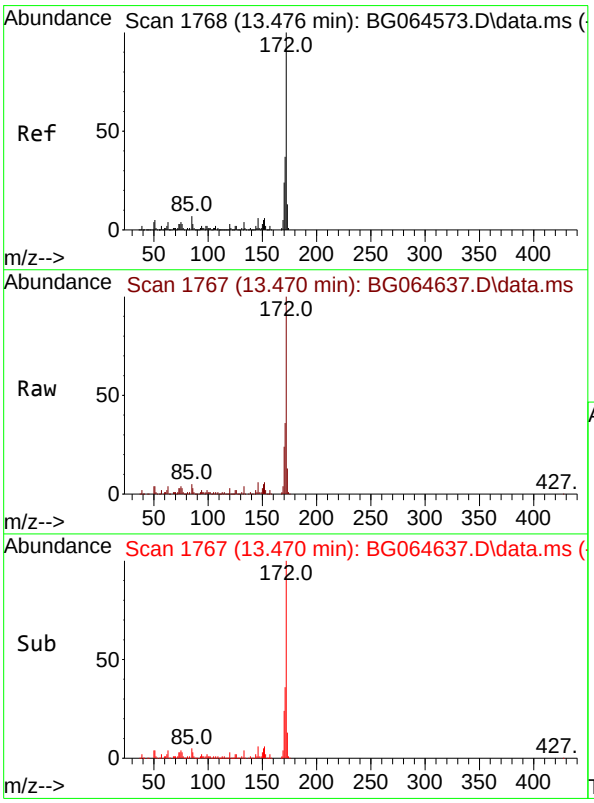
#42
2,4,6-Tribromophenol
Concen: 148.145 ng
RT: 16.319 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064637.D
Acq: 30 Oct 2025 12:17

Instrument :
BNA_G
ClientSampleId :
PB170286BL

Tgt Ion:330 Resp: 157646

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.0	117.0
141	27.0	21.8	32.6

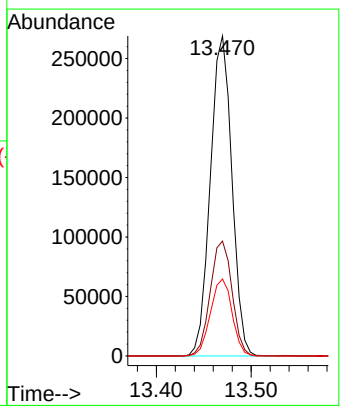


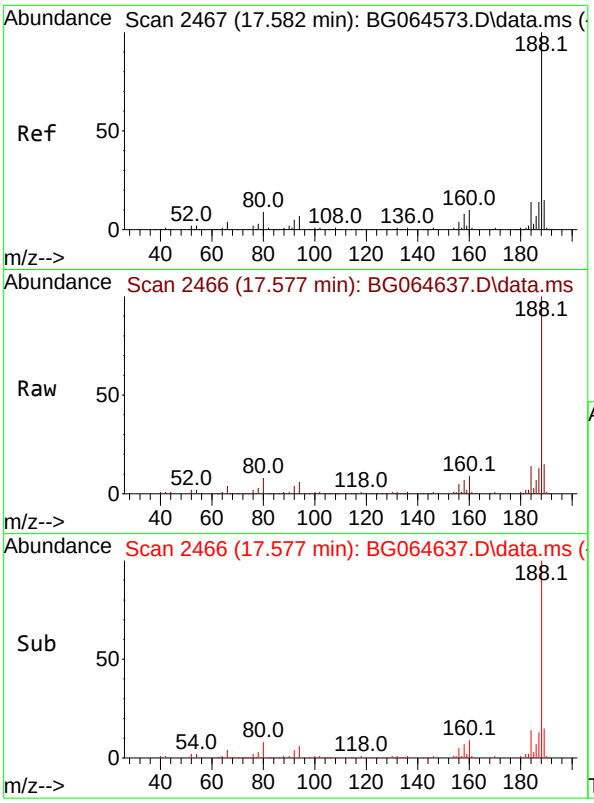


#45
2-Fluorobiphenyl
Concen: 87.403 ng
RT: 13.470 min Scan# 1767
Delta R.T. -0.009 min
Lab File: BG064637.D
Acq: 30 Oct 2025 12:17

Tgt Ion:172 Resp: 425146

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.4	44.0
170	24.0	19.1	28.7



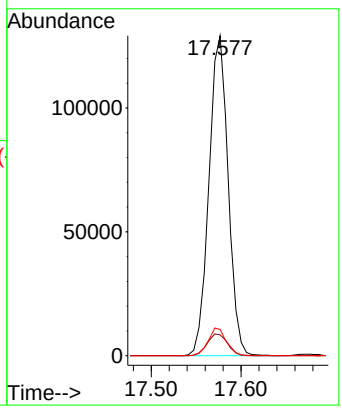


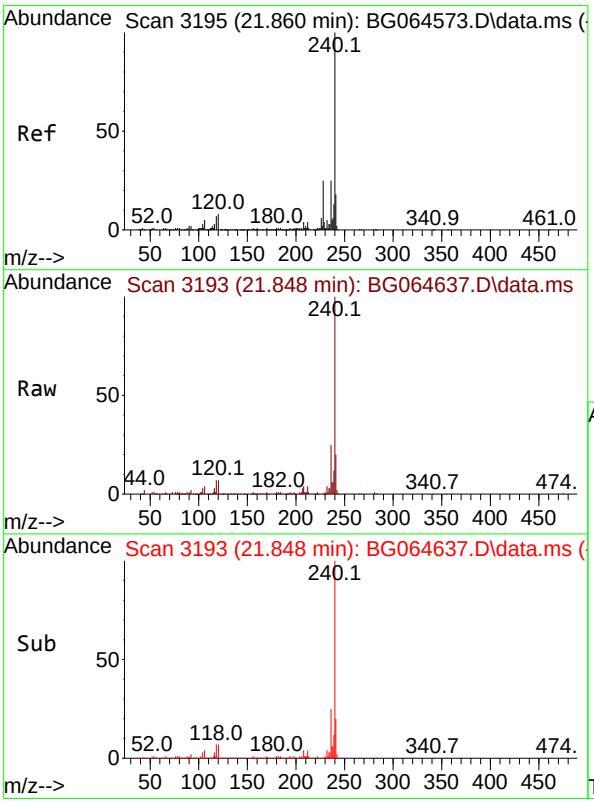
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064637.D
Acq: 30 Oct 2025 12:17

Instrument :
BNA_G
ClientSampleId :
PB170286BL

Tgt Ion:188 Resp: 191571

Ion	Ratio	Lower	Upper
188	100		
94	6.5	5.7	8.5
80	8.2	6.8	10.2

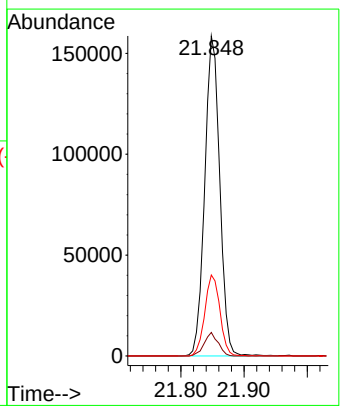


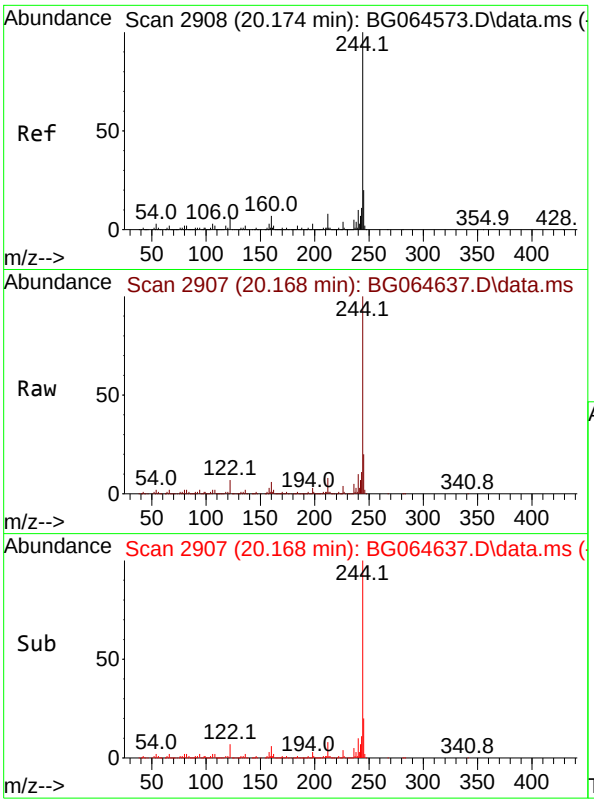


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.015 min
Lab File: BG064637.D
Acq: 30 Oct 2025 12:17

Tgt Ion:240 Resp: 261407

Ion	Ratio	Lower	Upper
240	100		
120	7.4	6.5	9.7
236	25.3	20.2	30.2



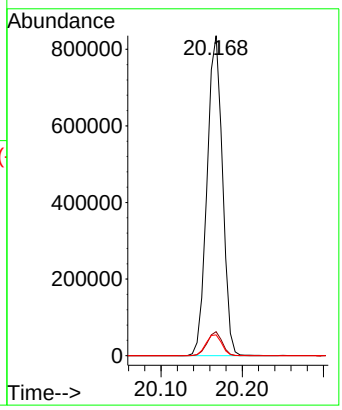


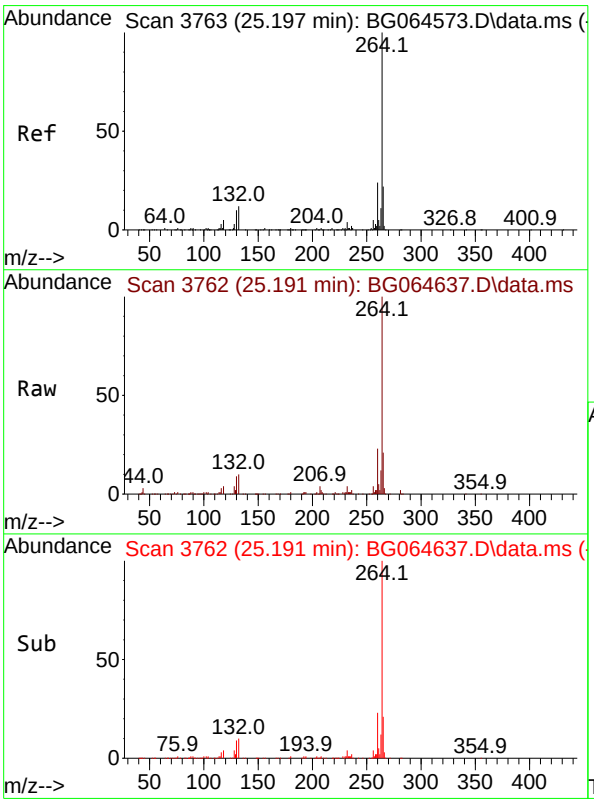
#79
Terphenyl-d14
Concen: 79.383 ng
RT: 20.168 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064637.D
Acq: 30 Oct 2025 12:17

Instrument :
BNA_G
ClientSampleId :
PB170286BL

Tgt Ion:244 Resp: 1099593

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.1	9.1
122	6.5	5.6	8.4

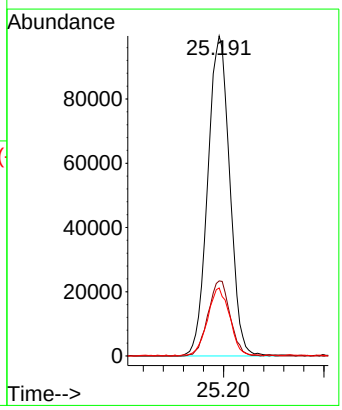




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.191 min Scan# 3762
Delta R.T. -0.009 min
Lab File: BG064637.D
Acq: 30 Oct 2025 12:17

Tgt Ion:264 Resp: 302809

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.4
265	21.2	17.6	26.4



Raw Data: **BG064638.D**

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

Report of Analysis

Client:	LiRo Engineers, Inc.			Date Collected:	
Project:	RFK Bridge RMB-Randall Island			Date Received:	
Client Sample ID:	PB170286BS			SDG No.:	Q3468
Lab Sample ID:	PB170286BS			Matrix:	Water
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	SVOCMS Group1
Prep Method :	3510C	Prep Date:	10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
208-96-8	Acenaphthylene	44.6		1	0.75	5.00	ug/L	10/30/25 12:58	PB170286
83-32-9	Acenaphthene	45.1		1	0.55	5.00	ug/L	10/30/25 12:58	PB170286
86-73-7	Fluorene	41.0		1	0.63	5.00	ug/L	10/30/25 12:58	PB170286
85-01-8	Phenanthrene	40.4		1	0.50	5.00	ug/L	10/30/25 12:58	PB170286
120-12-7	Anthracene	40.2		1	0.61	5.00	ug/L	10/30/25 12:58	PB170286
206-44-0	Fluoranthene	41.6		1	0.82	5.00	ug/L	10/30/25 12:58	PB170286
129-00-0	Pyrene	38.0		1	0.50	5.00	ug/L	10/30/25 12:58	PB170286
56-55-3	Benzo(a)anthracene	40.7		1	0.45	5.00	ug/L	10/30/25 12:58	PB170286
218-01-9	Chrysene	40.2		1	0.44	5.00	ug/L	10/30/25 12:58	PB170286
205-99-2	Benzo(b)fluoranthene	43.3		1	0.49	5.00	ug/L	10/30/25 12:58	PB170286
207-08-9	Benzo(k)fluoranthene	43.1		1	0.48	5.00	ug/L	10/30/25 12:58	PB170286
50-32-8	Benzo(a)pyrene	45.1		1	0.55	5.00	ug/L	10/30/25 12:58	PB170286
193-39-5	Indeno(1,2,3-cd)pyrene	43.3		1	0.59	5.00	ug/L	10/30/25 12:58	PB170286
53-70-3	Dibenzo(a,h)anthracene	43.7		1	0.67	5.00	ug/L	10/30/25 12:58	PB170286
191-24-2	Benzo(g,h,i)perylene	45.2		1	0.69	5.00	ug/L	10/30/25 12:58	PB170286
SURROGATES									
4165-60-0	Nitrobenzene-d5	93.9			67 - 132	94%	SPK: 100		
321-60-8	2-Fluorobiphenyl	79.9			52 - 132	80%	SPK: 100		
1718-51-0	Terphenyl-d14	79.5			42 - 152	79%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	30800							
1146-65-2	Naphthalene-d8	125000							
15067-26-2	Acenaphthene-d10	97000							
1517-22-2	Phenanthrene-d10	243000							
1719-03-5	Chrysene-d12	288000							
1520-96-3	Perylene-d12	302000							

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\BG103025\
Data File : BG064638.D
Acq On : 30 Oct 2025 12:58
Operator : RC/JU
Sample : PB170286BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 04 04:23:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170286BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

Supervised By :mohammad ahmed
11/05/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	30784	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	124677	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	97021	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	242858	20.000	ng	0.00
76) Chrysene-d12	21.854	240	288177	20.000	ng	0.00
86) Perylene-d12	25.197	264	302049	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	222225	121.168	ng	0.00
7) Phenol-d6	7.359	99	293062	116.449	ng	0.00
23) Nitrobenzene-d5	9.380	82	194877	93.881	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	201434	143.850	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	511406	79.896	ng	0.00
79) Terphenyl-d14	20.168	244	1213413	79.462	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.581	88	24696	30.415	ng	92
3) Pyridine	3.987	79	71577	29.354	ng	95
4) n-Nitrosodimethylamine	3.898	42	50644	38.730	ng	92
6) Aniline	7.529	93	88719	25.907	ng	96
8) 2-Chlorophenol	7.776	128	83962	43.738	ng	96
9) Benzaldehyde	7.336	77	15716	11.439	ng	98
10) Phenol	7.383	94	108355	38.932	ng	94
11) bis(2-Chloroethyl)ether	7.623	93	73434	35.887	ng	94
12) 1,3-Dichlorobenzene	8.111	146	86606	39.198	ng	94
13) 1,4-Dichlorobenzene	8.252	146	85572	38.090	ng	97
14) 1,2-Dichlorobenzene	8.575	146	83239	38.414	ng	95
15) Benzyl Alcohol	8.446	79	82132	39.576	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.746	45	192190	35.806	ng	99
17) 2-Methylphenol	8.646	107	75352	40.777	ng	95
18) Hexachloroethane	9.321	117	32047	40.649	ng	95
19) n-Nitroso-di-n-propyla...	9.022	70	66214	38.070	ng	97
20) 3+4-Methylphenols	8.975	107	101160	38.927	ng	98
22) Acetophenone	9.039	105	138177	40.543	ng	97
24) Nitrobenzene	9.421	77	99054	43.873	ng	99
25) Isophorone	9.950	82	184933	37.128	ng	98
26) 2-Nitrophenol	10.144	139	41607	47.778	ng	90
27) 2,4-Dimethylphenol	10.191	122	83626	45.136	ng	96
28) bis(2-Chloroethoxy)met...	10.432	93	108016	38.088	ng	97
29) 2,4-Dichlorophenol	10.679	162	88062	44.165	ng	95
30) 1,2,4-Trichlorobenzene	10.902	180	95114	41.983	ng	99
31) Naphthalene	11.096	128	262425	37.964	ng	100
32) Benzoic acid	10.309	122	63329	45.241	ng	96
33) 4-Chloroaniline	11.184	127	52856	19.673	ng	97
34) Hexachlorobutadiene	11.390	225	72053	40.668	ng	94
35) Caprolactam	11.942	113	29879m	39.070	ng	
36) 4-Chloro-3-methylphenol	12.289	107	100287	41.843	ng	99
37) 2-Methylnaphthalene	12.688	142	175641	34.608	ng	99
38) 1-Methylnaphthalene	12.906	142	188034	37.426	ng	92
40) 1,2,4,5-Tetrachloroben...	13.052	216	140180	43.052	ng	99
41) Hexachlorocyclopentadiene	13.035	237	172388	117.624	ng	100
43) 2,4,6-Trichlorophenol	13.276	196	87768	47.123	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064638.D
Acq On : 30 Oct 2025 12:58
Operator : RC/JU
Sample : PB170286BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 04 04:23:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170286BS

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
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11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	96559	44.925	ng		96
46) 1,1'-Biphenyl	13.681	154	291306	42.233	ng		97
47) 2-Chloronaphthalene	13.722	162	204969	39.368	ng		100
48) 2-Nitroaniline	13.910	65	79131	45.457	ng		94
49) Acenaphthylene	14.568	152	366587	44.639	ng		99
50) Dimethylphthalate	14.286	163	300984	40.542	ng		99
51) 2,6-Dinitrotoluene	14.398	165	61387	49.972	ng		99
52) Acenaphthene	14.903	154	253184	45.125	ng		96
53) 3-Nitroaniline	14.721	138	42706	33.472	ng		94
54) 2,4-Dinitrophenol	14.927	184	83799	109.290	ng	#	43
55) Dibenzofuran	15.238	168	366959	40.455	ng		99
56) 4-Nitrophenol	15.021	139	113344	95.819	ng		90
57) 2,4-Dinitrotoluene	15.179	165	91677	48.378	ng	#	100
58) Fluorene	15.884	166	290135	40.956	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.455	232	102856	50.044	ng		99
60) Diethylphthalate	15.644	149	302705	39.933	ng		98
61) 4-Chlorophenyl-phenyle...	15.873	204	161828	40.706	ng		97
62) 4-Nitroaniline	15.884	138	67726	47.714	ng		94
63) Azobenzene	16.161	77	278632	40.061	ng		100
65) 4,6-Dinitro-2-methylph...	15.943	198	57652	53.276	ng		94
66) n-Nitrosodiphenylamine	16.078	169	272742	41.575	ng		98
67) 4-Bromophenyl-phenylether	16.766	248	119558	41.543	ng		99
68) Hexachlorobenzene	16.889	284	137259	41.805	ng		95
69) Atrazine	17.018	200	118963	42.139	ng		96
70) Pentachlorophenol	17.224	266	191995	93.775	ng		97
71) Phenanthrene	17.618	178	536917	40.428	ng		99
72) Anthracene	17.712	178	543314	40.216	ng		100
73) Carbazole	17.970	167	491851	41.286	ng		99
74) Di-n-butylphthalate	18.528	149	543306	39.438	ng		99
75) Fluoranthene	19.615	202	691810	41.581	ng		98
77) Benzidine	19.780	184	165366	25.613	ng		99
78) Pyrene	19.974	202	715895	38.023	ng		99
80) Butylbenzylphthalate	20.849	149	246800	43.371	ng		95
81) Benzo(a)anthracene	21.830	228	777040	40.666	ng		99
82) 3,3'-Dichlorobenzidine	21.736	252	194405	30.468	ng		99
83) Chrysene	21.901	228	730189	40.161	ng		98
84) Bis(2-ethylhexyl)phtha...	21.742	149	364913	42.916	ng		99
85) Di-n-octyl phthalate	23.000	149	638034	44.506	ng		98
87) Indeno(1,2,3-cd)pyrene	29.028	276	962160	43.302	ng	#	96
88) Benzo(b)fluoranthene	24.134	252	801805	43.290	ng		99
89) Benzo(k)fluoranthene	24.204	252	798213	43.067	ng		99
90) Benzo(a)pyrene	25.044	252	768387	45.132	ng		98
91) Dibenzo(a,h)anthracene	29.104	278	789221	43.720	ng		97
92) Benzo(g,h,i)perylene	30.232	276	779694	45.214	ng		97

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064638.D
Acq On : 30 Oct 2025 12:58
Operator : RC/JU
Sample : PB170286BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 04 04:23:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170286BS

Manual Integrations APPROVED

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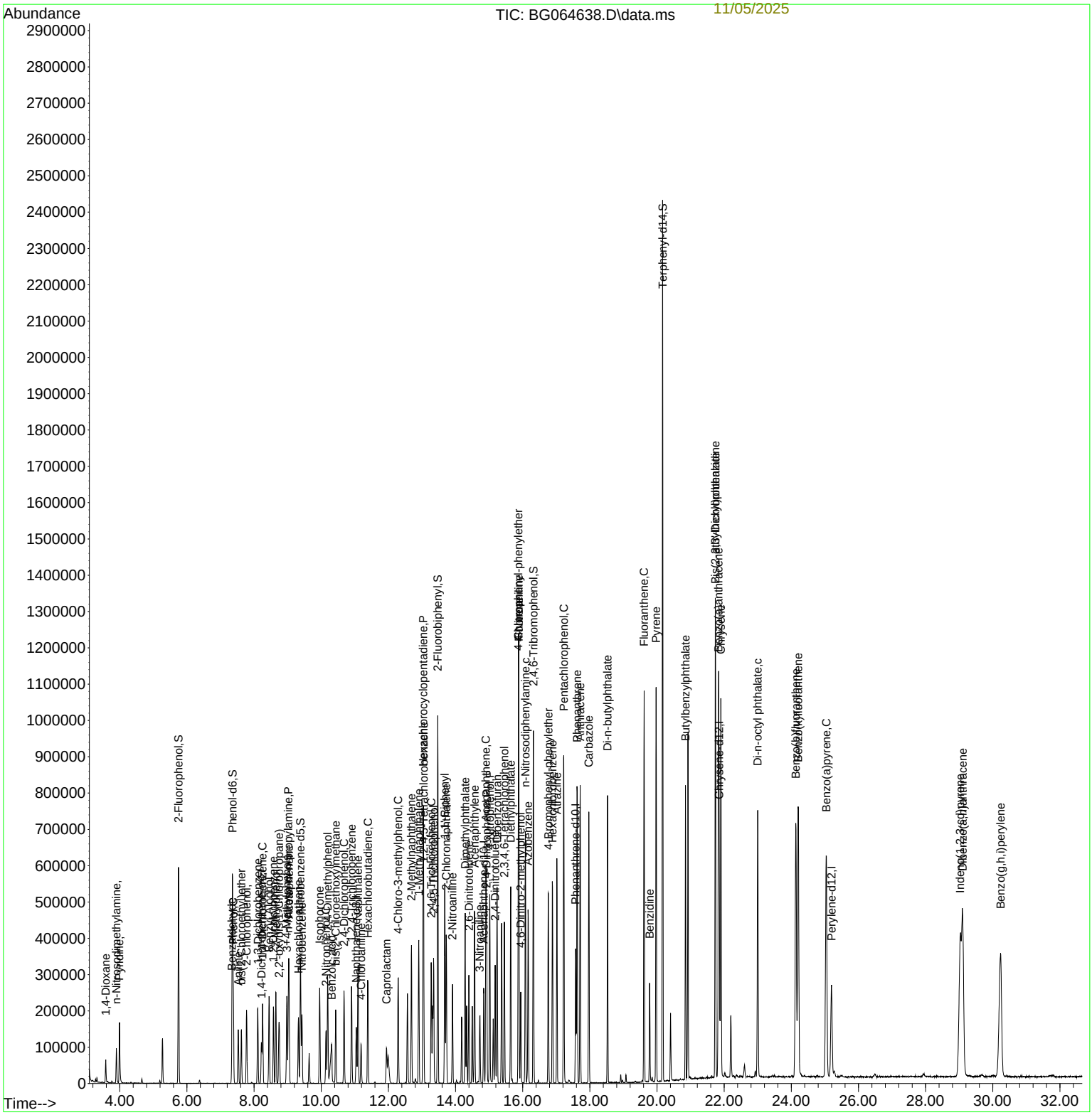
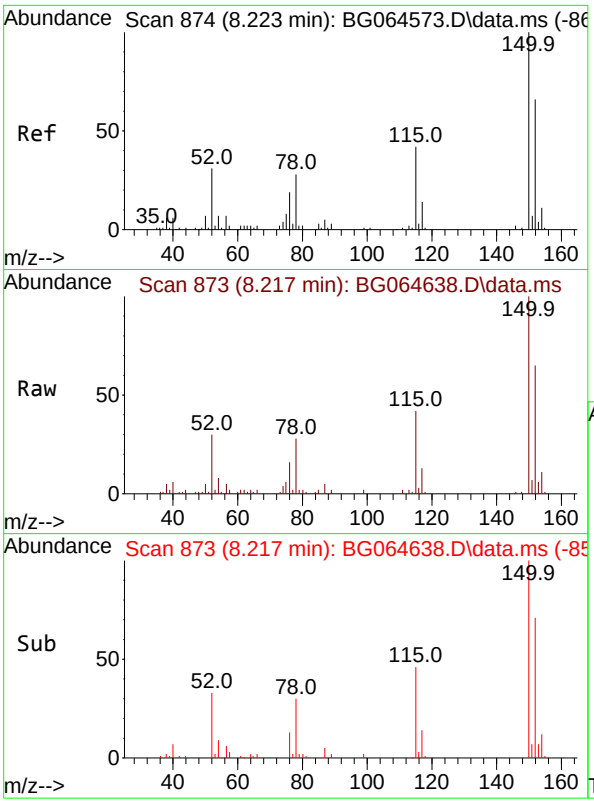
11/05/2025

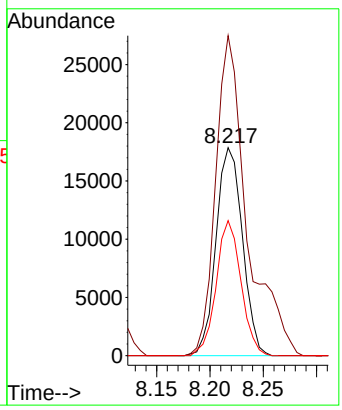




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 8
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:152 Resp: 3078

Ion	Ratio	Lower	Upper
152	100		
150	153.8	122.2	183.4
115	64.9	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
PB170286BS

Manual Integrations
APPROVED

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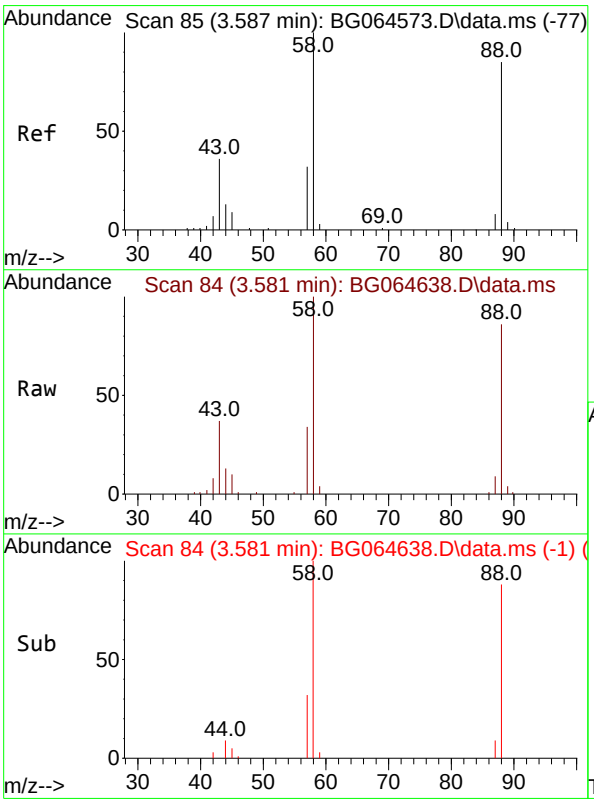
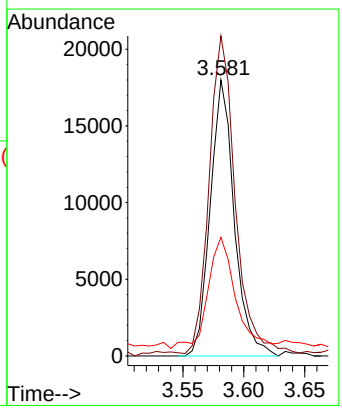
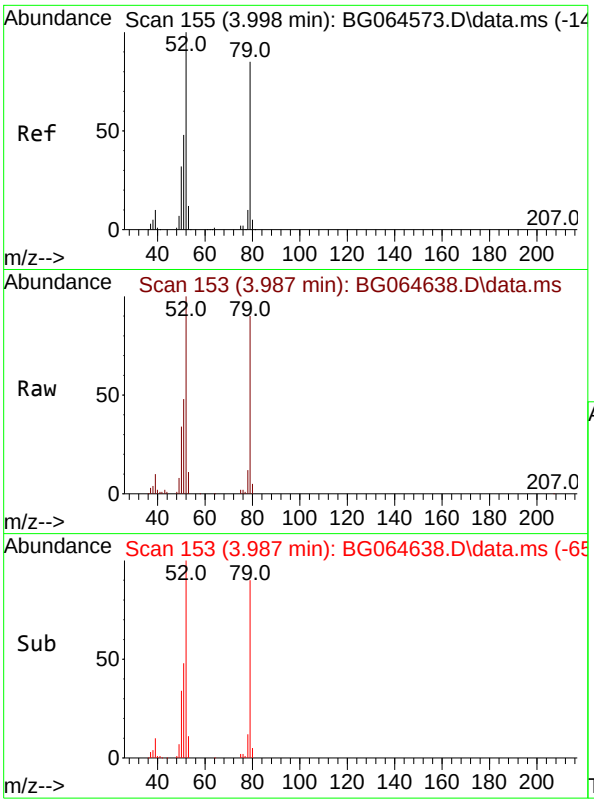


#2
1,4-Dioxane
Concen: 30.415 ng
RT: 3.581 min Scan# 84
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion: 88 Resp: 24696

Ion	Ratio	Lower	Upper
88	100		
58	123.6	92.4	138.6
43	46.2	33.0	49.6

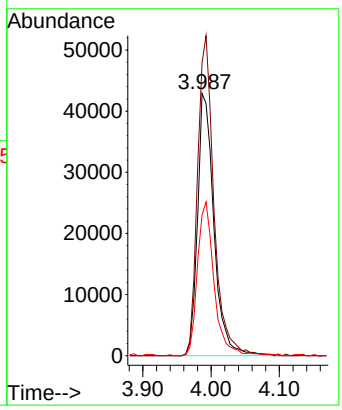




#3
Pyridine
Concen: 29.354 ng
RT: 3.987 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion: 79 Resp: 7157

Ion	Ratio	Lower	Upper
79	100		
52	111.6	94.2	141.2
51	53.7	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
PB170286BS

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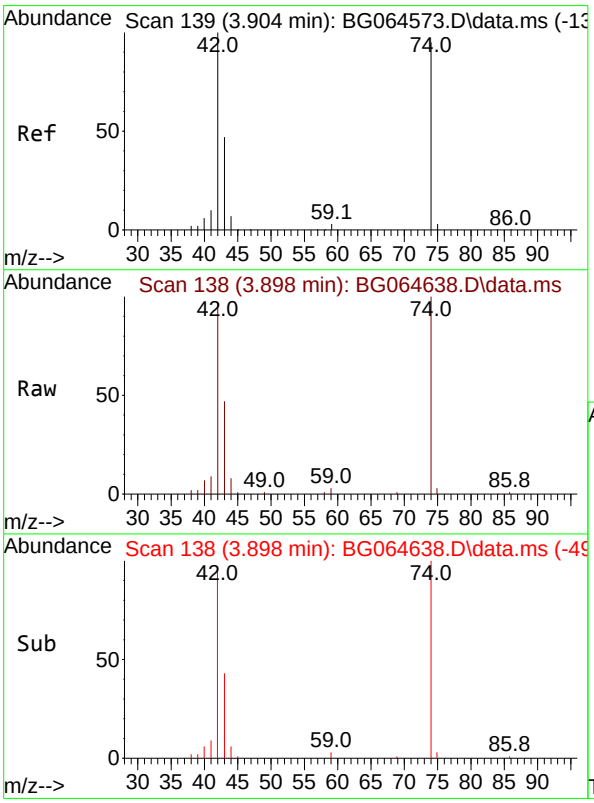
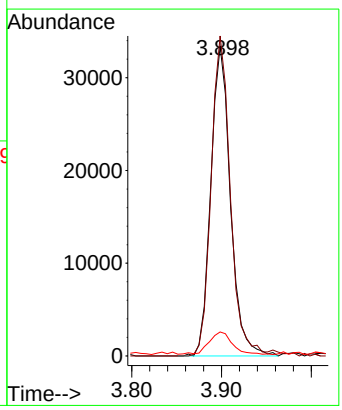
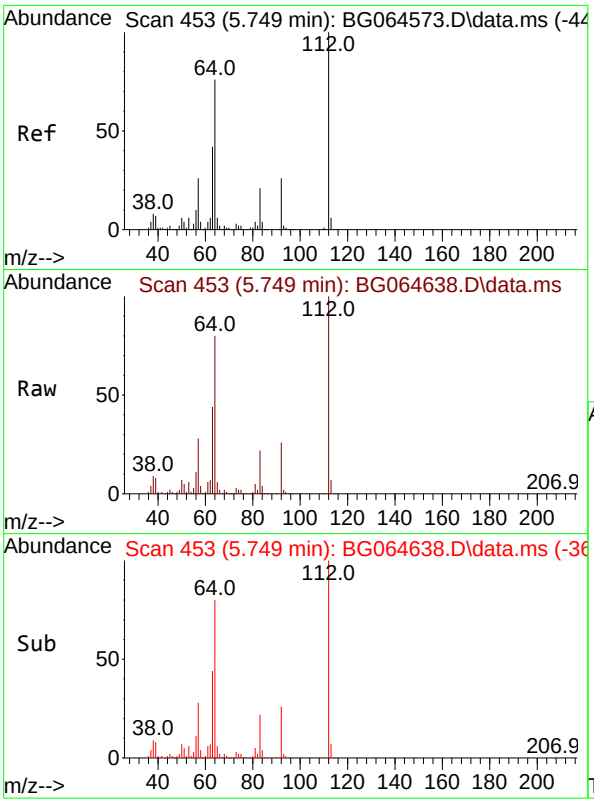


#4
n-Nitrosodimethylamine
Concen: 38.730 ng
RT: 3.898 min Scan# 138
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion: 42 Resp: 50644

Ion	Ratio	Lower	Upper
42	100		
74	103.3	76.1	114.1
44	7.8	6.3	9.5

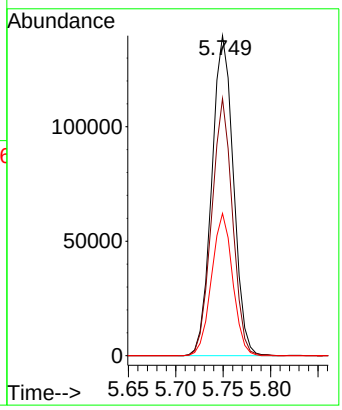




#5
2-Fluorophenol
Concen: 121.168 ng
RT: 5.749 min Scan# 4
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:112 Resp: 22222

Ion	Ratio	Lower	Upper
112	100		
64	80.3	60.7	91.1
63	44.4	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
PB170286BS

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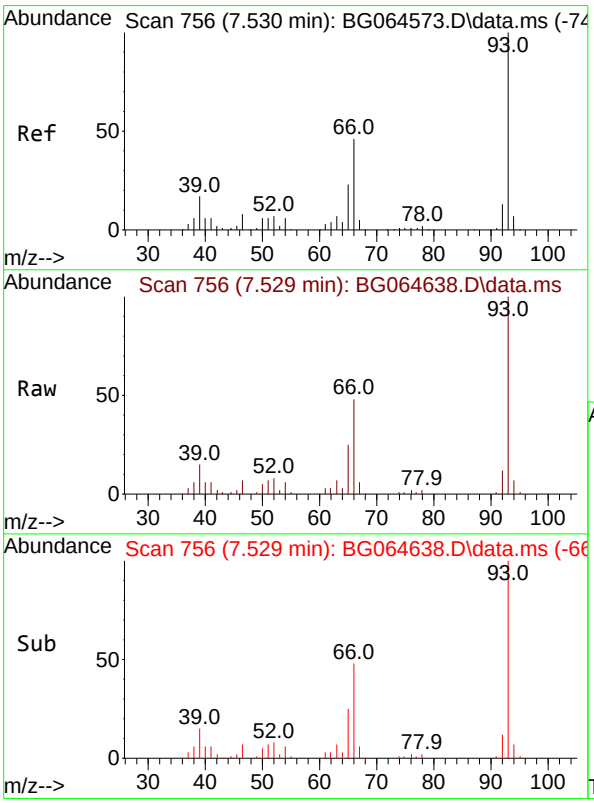
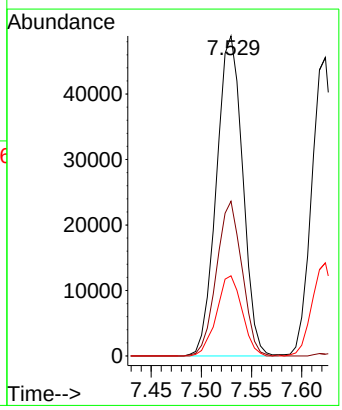
11/05/2025

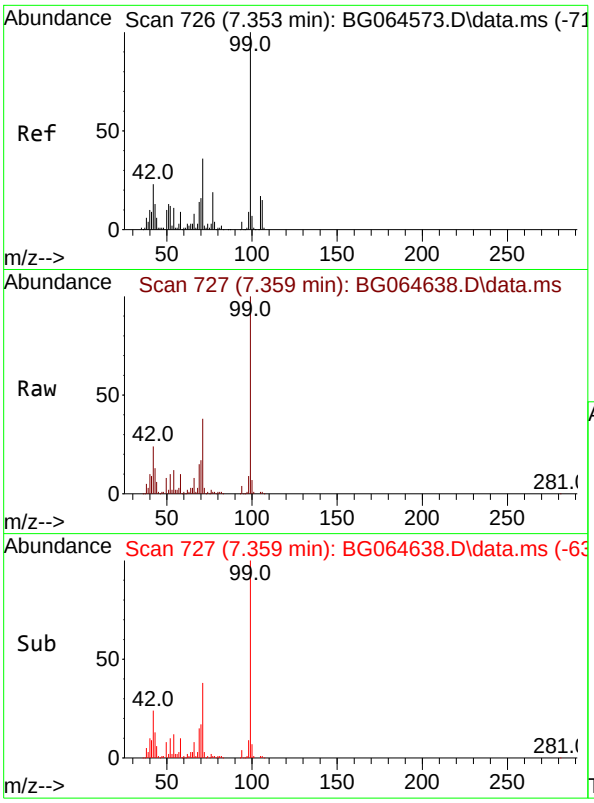


#6
Aniline
Concen: 25.907 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion: 93 Resp: 88719

Ion	Ratio	Lower	Upper
93	100		
66	48.3	37.0	55.6
65	25.1	18.3	27.5

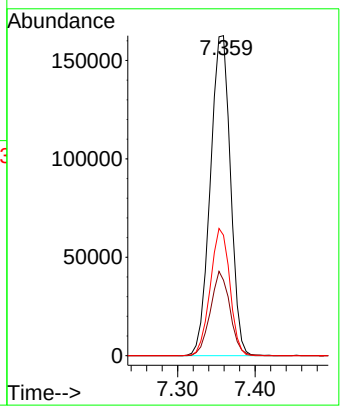




#7
Phenol-d6
Concen: 116.449 ng
RT: 7.359 min Scan# 7
Delta R.T. 0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion: 99 Resp: 29306

Ion	Ratio	Lower	Upper
99	100		
42	23.6	18.3	27.5
71	37.6	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
PB170286BS

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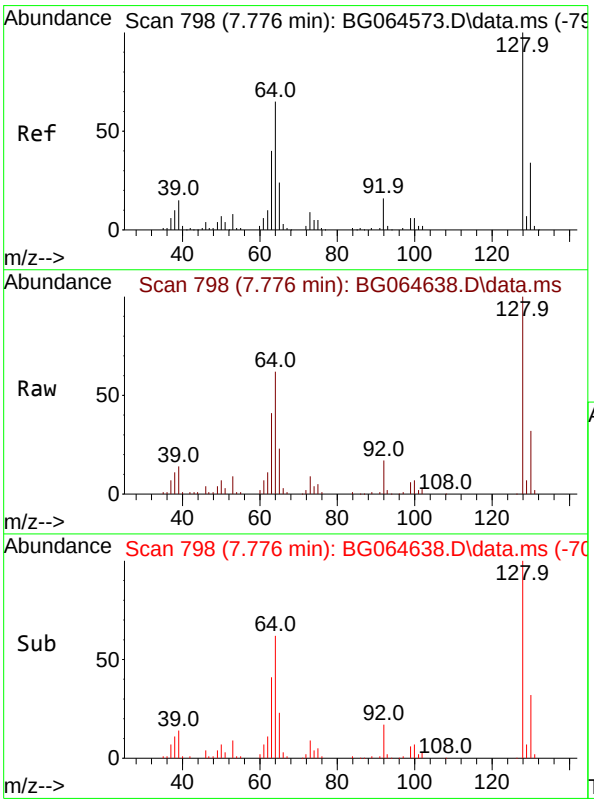
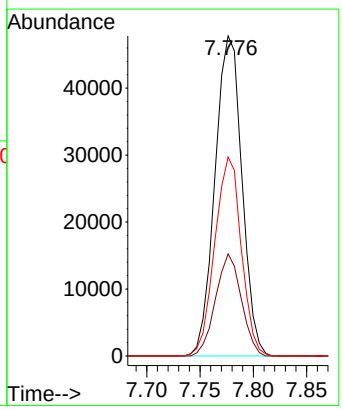
11/05/2025

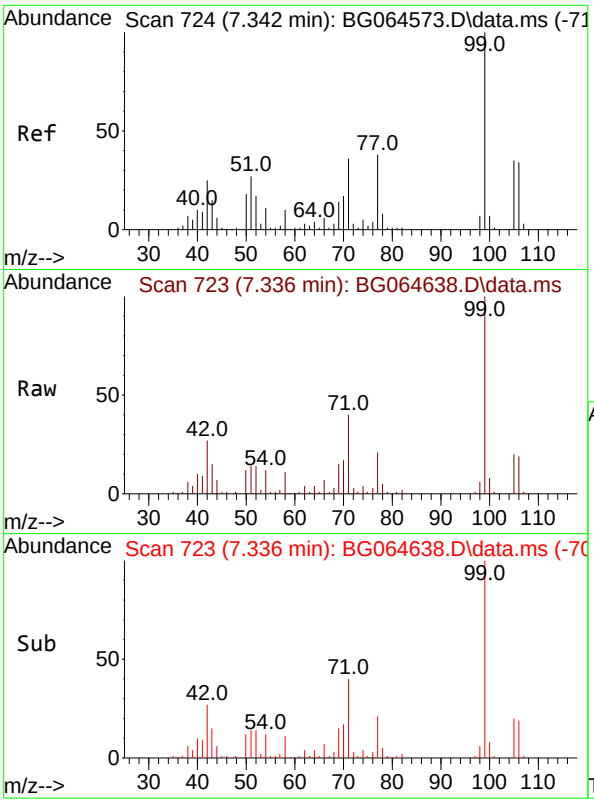


#8
2-Chlorophenol
Concen: 43.738 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:128 Resp: 83962

Ion	Ratio	Lower	Upper
128	100		
130	31.9	13.5	53.5
64	62.1	45.2	85.2

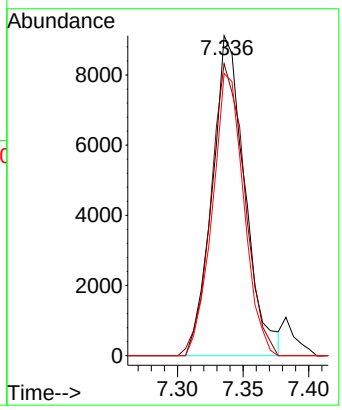




#9
Benzaldehyde
Concen: 11.439 ng
RT: 7.336 min Scan# 7
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion: 77 Resp: 1571

Ion	Ratio	Lower	Upper
77	100		
105	91.3	72.9	112.9
106	88.1	70.8	110.8



Instrument :
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ClientSampleId :
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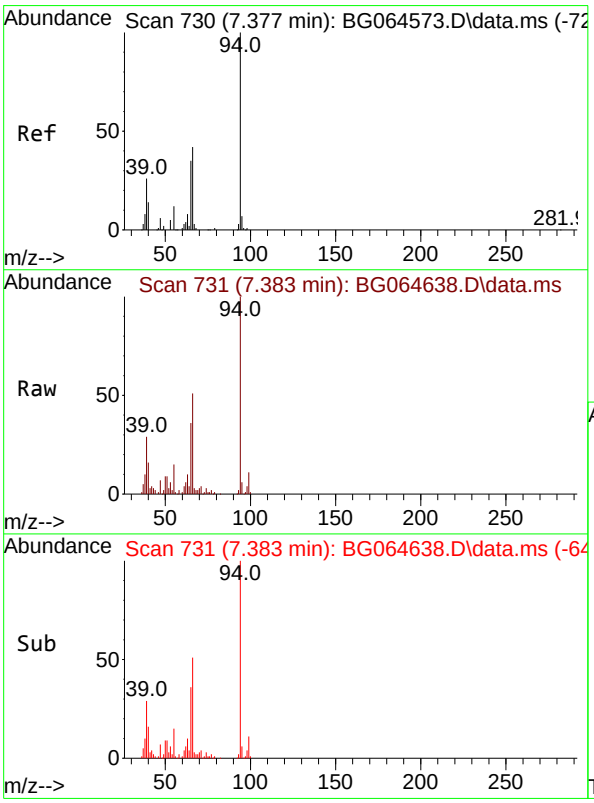
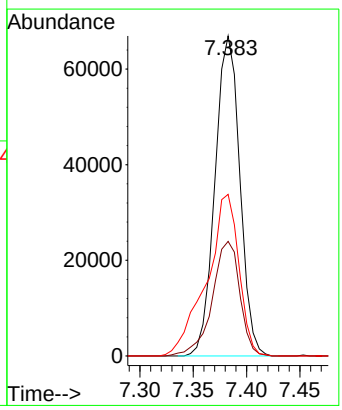
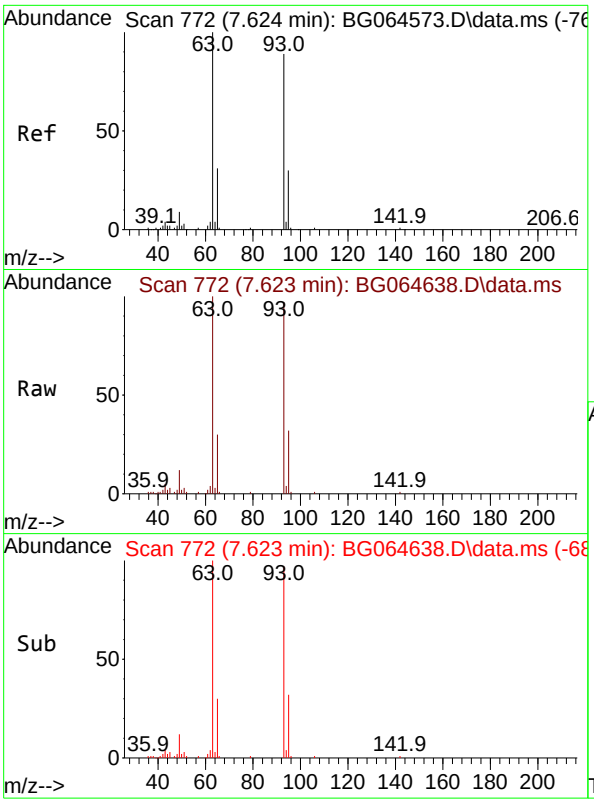


#10
Phenol
Concen: 38.932 ng
RT: 7.383 min Scan# 731
Delta R.T. 0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion: 94 Resp: 108355

Ion	Ratio	Lower	Upper
94	100		
65	35.8	15.8	55.8
66	50.5	24.0	64.0

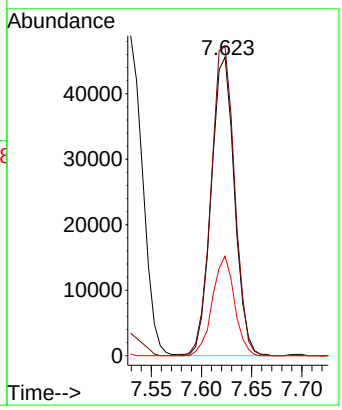




#11
bis(2-Chloroethyl)ether
Concen: 35.887 ng
RT: 7.623 min Scan# 7
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion: 93 Resp: 7343

Ion	Ratio	Lower	Upper
93	100		
63	103.5	91.3	131.3
95	33.3	13.3	53.3



Instrument :
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ClientSampleId :
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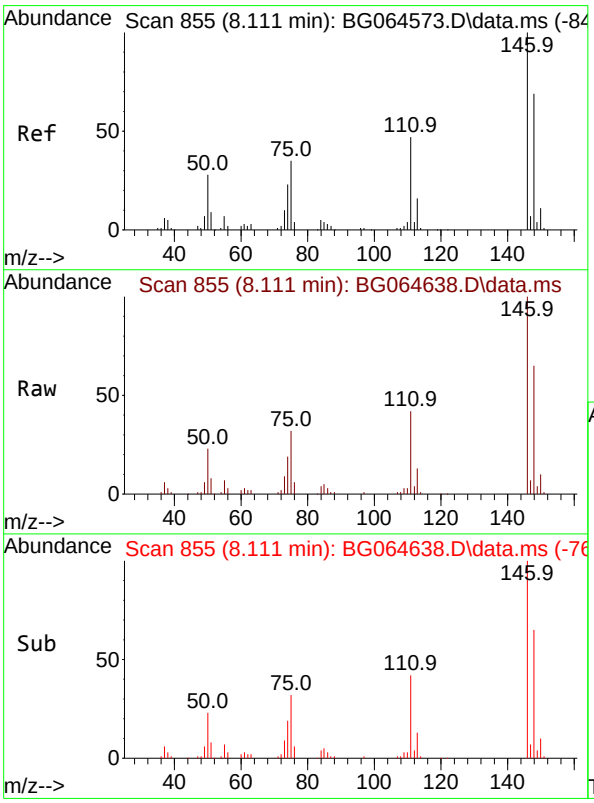
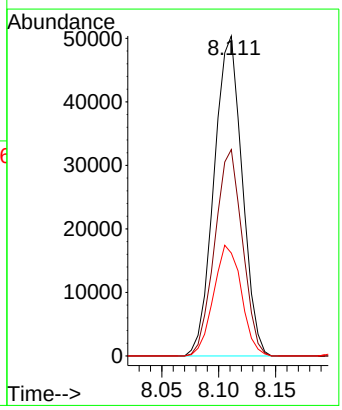
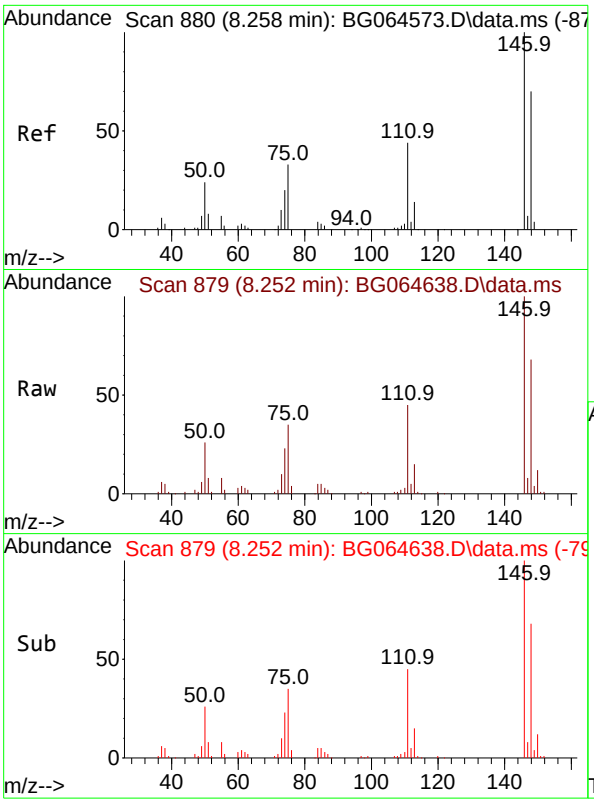


#12
1,3-Dichlorobenzene
Concen: 39.198 ng
RT: 8.111 min Scan# 855
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:146 Resp: 86606

Ion	Ratio	Lower	Upper
146	100		
148	64.5	55.3	82.9
75	32.1	28.2	42.2

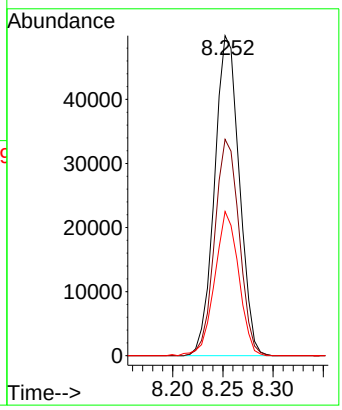




#13
1,4-Dichlorobenzene
Concen: 38.090 ng
RT: 8.252 min Scan# 8
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:146 Resp: 8557

Ion	Ratio	Lower	Upper
146	100		
148	67.6	56.2	84.4
111	45.0	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
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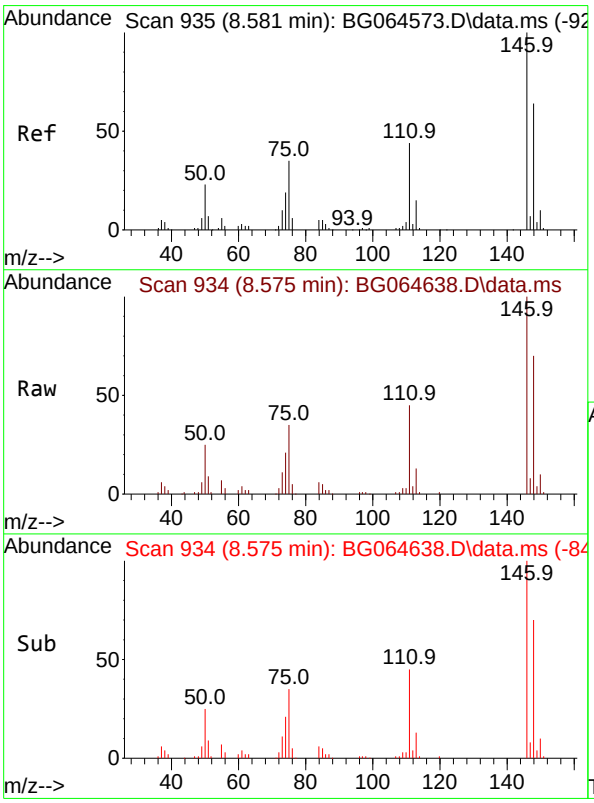
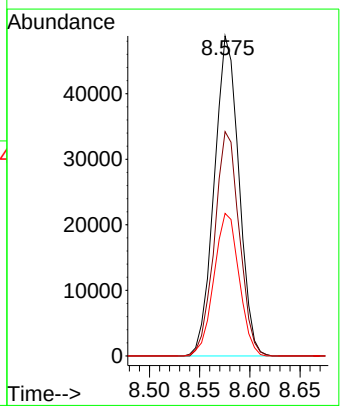
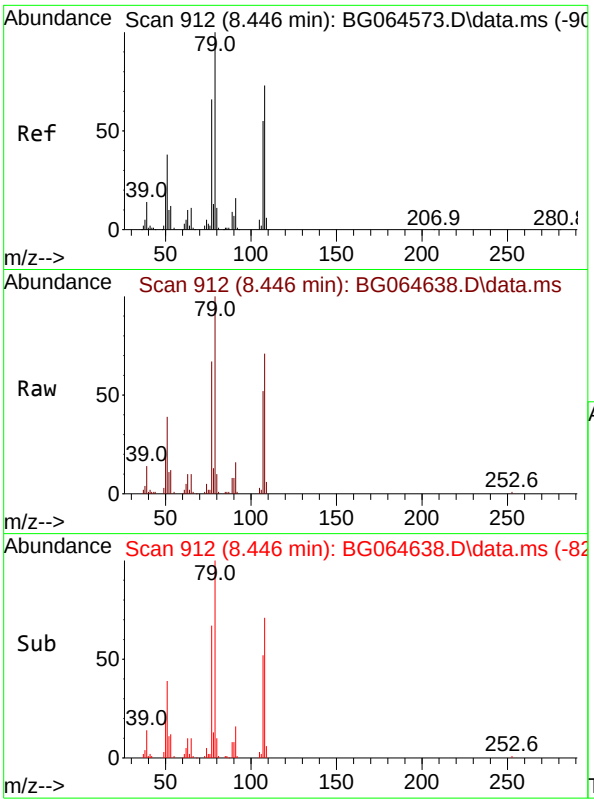


#14
1,2-Dichlorobenzene
Concen: 38.414 ng
RT: 8.575 min Scan# 934
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:146 Resp: 83239

Ion	Ratio	Lower	Upper
146	100		
148	70.1	51.5	77.3
111	44.5	35.0	52.6

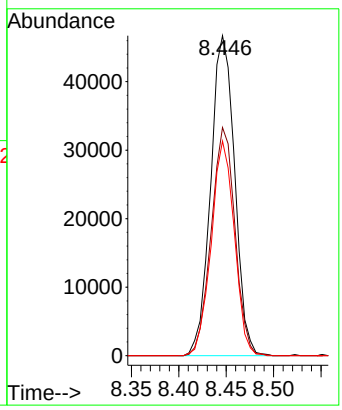




#15
Benzyl Alcohol
Concen: 39.576 ng
RT: 8.446 min Scan# 91
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion: 79 Resp: 8213

Ion	Ratio	Lower	Upper
79	100		
108	71.3	58.1	87.1
77	67.0	52.8	79.2



Instrument :
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ClientSampleId :
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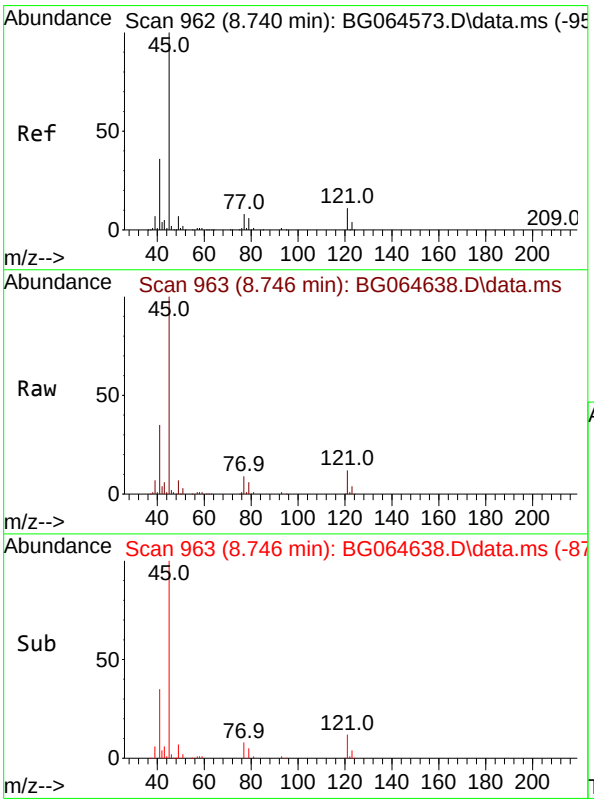
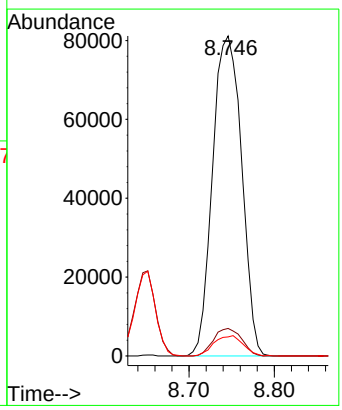
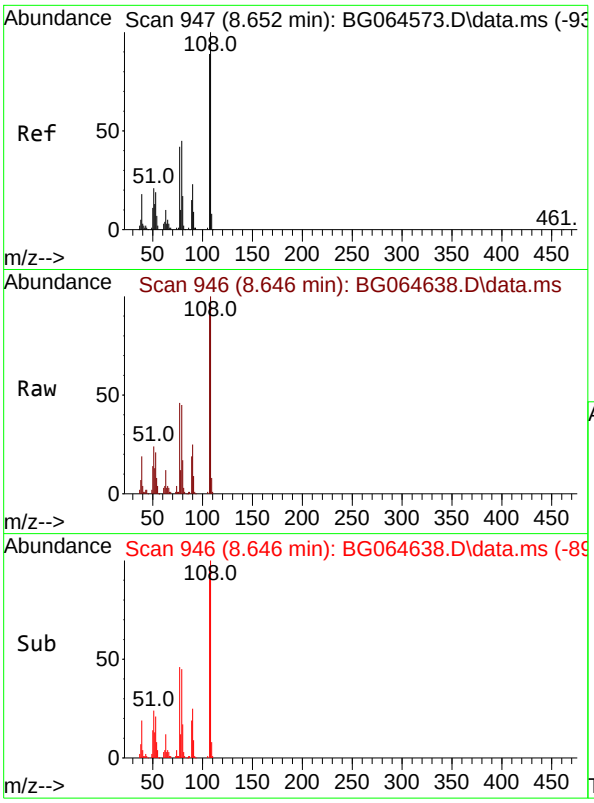


#16
2,2'-oxybis(1-Chloropropane)
Concen: 35.806 ng
RT: 8.746 min Scan# 963
Delta R.T. 0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion: 45 Resp: 192190

Ion	Ratio	Lower	Upper
45	100		
77	8.6	0.0	28.5
79	6.0	0.0	25.6

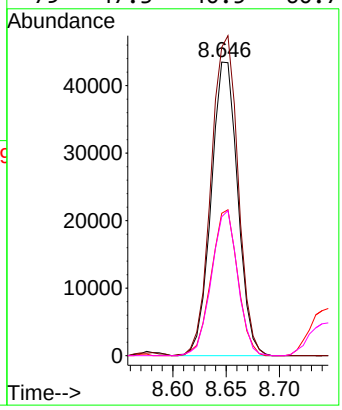




#17
2-Methylphenol
Concen: 40.777 ng
RT: 8.646 min Scan# 94
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:107 Resp: 7535

Ion	Ratio	Lower	Upper
107	100		
108	105.0	90.0	135.0
77	48.5	37.8	56.8
79	47.3	40.5	60.7



Instrument :
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ClientSampleId :
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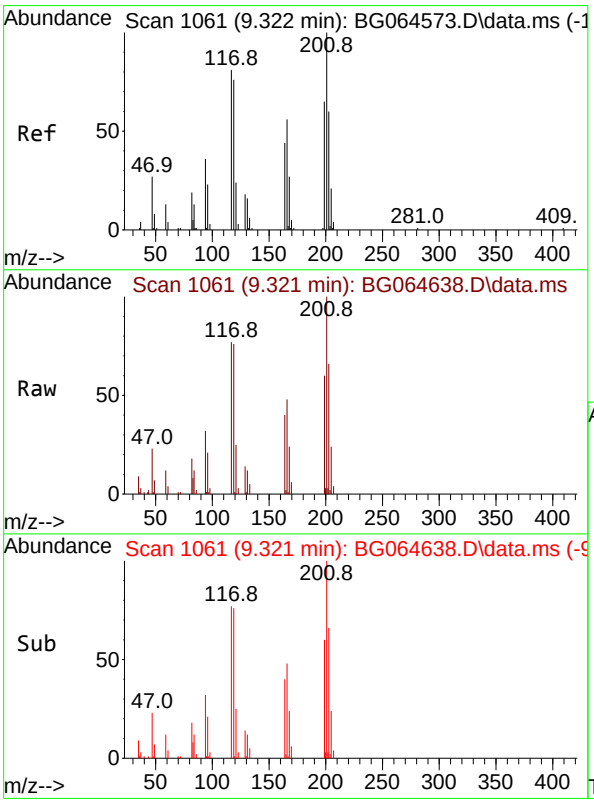
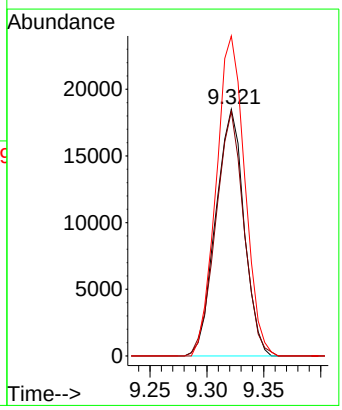
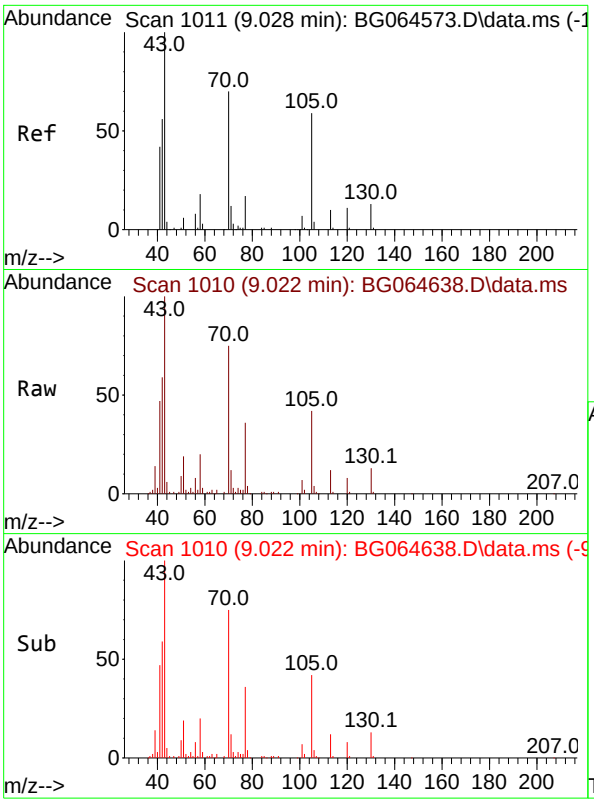


#18
Hexachloroethane
Concen: 40.649 ng
RT: 9.321 min Scan# 1061
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:117 Resp: 32047

Ion	Ratio	Lower	Upper
117	100		
119	99.9	75.4	113.2
201	129.7	99.2	148.8

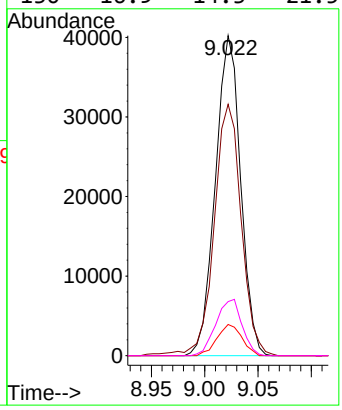




#19
n-Nitroso-di-n-propylamine
Concen: 38.070 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion: 70 Resp: 6621

Ion	Ratio	Lower	Upper
70	100		
42	78.5	65.2	97.8
101	9.8	7.9	11.9
130	16.9	14.3	21.5



Instrument :
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ClientSampleId :
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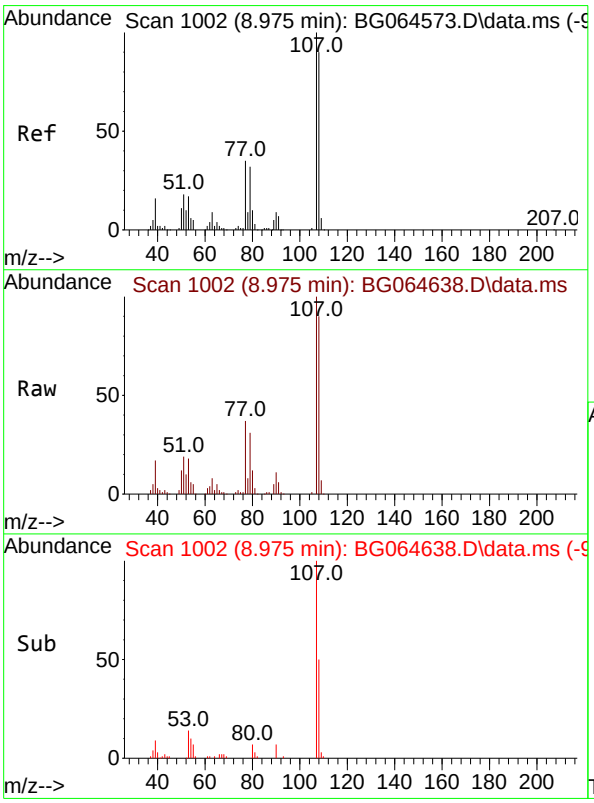
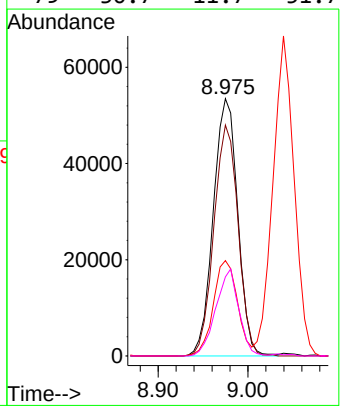
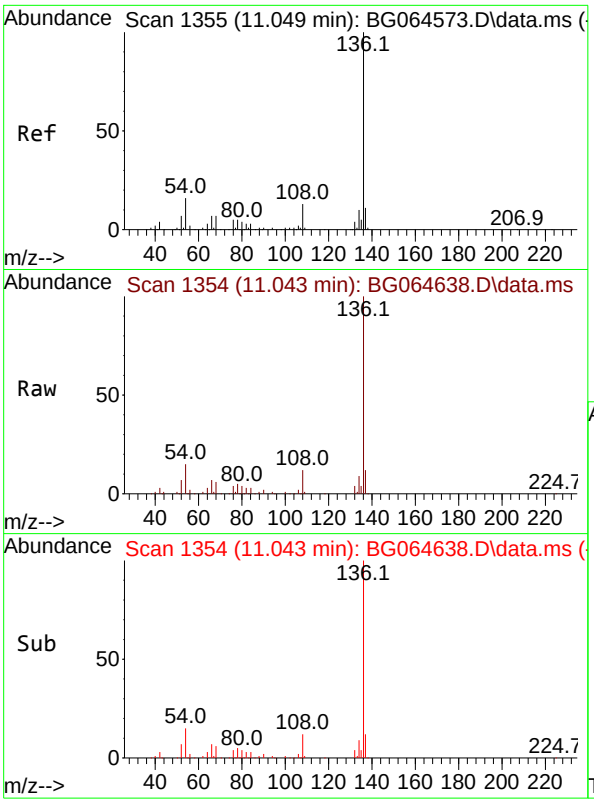


#20
3+4-Methylphenols
Concen: 38.927 ng
RT: 8.975 min Scan# 1002
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:107 Resp: 101160

Ion	Ratio	Lower	Upper
107	100		
108	89.7	70.3	110.3
77	37.0	14.6	54.6
79	30.7	11.7	51.7

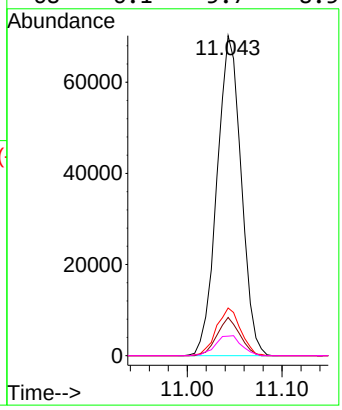




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:136 Resp: 12467

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	14.9	12.6	19.0
68	6.1	5.7	8.5



Instrument :
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ClientSampleId :
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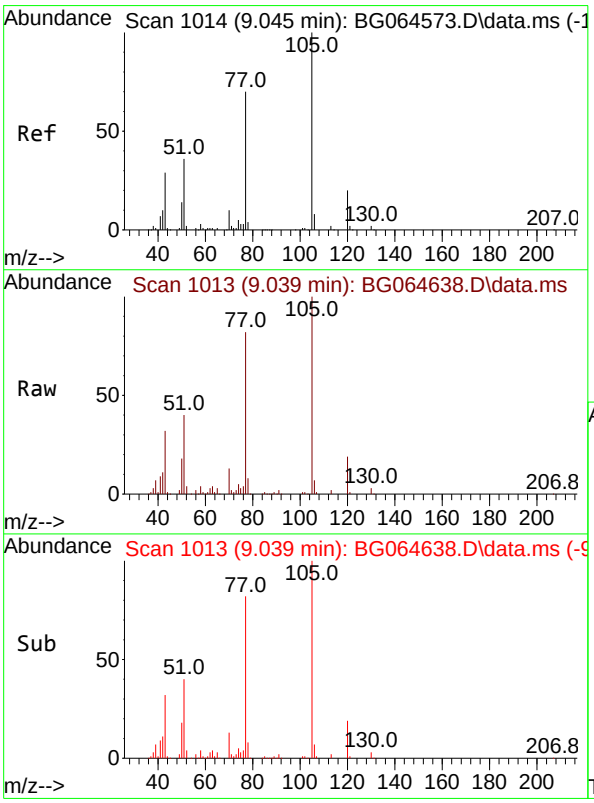
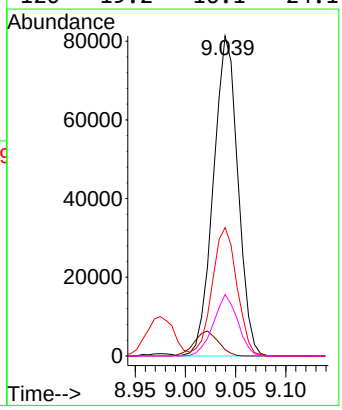
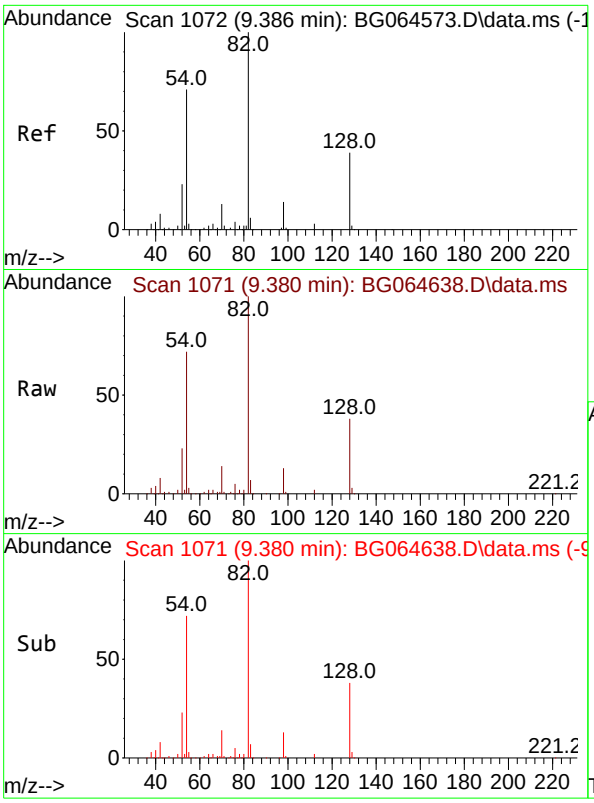


#22
Acetophenone
Concen: 40.543 ng
RT: 9.039 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:105 Resp: 138177

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.5	2.3
51	40.1	33.7	50.5
120	19.2	16.1	24.1

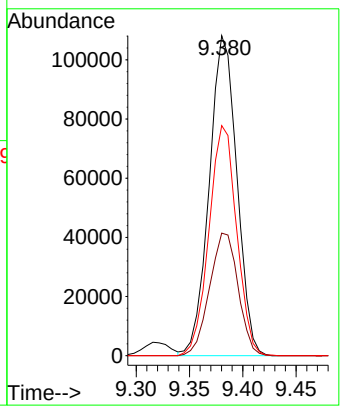




#23
Nitrobenzene-d5
Concen: 93.881 ng
RT: 9.380 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion: 82 Resp: 19487

Ion	Ratio	Lower	Upper
82	100		
128	38.3	31.3	46.9
54	71.9	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
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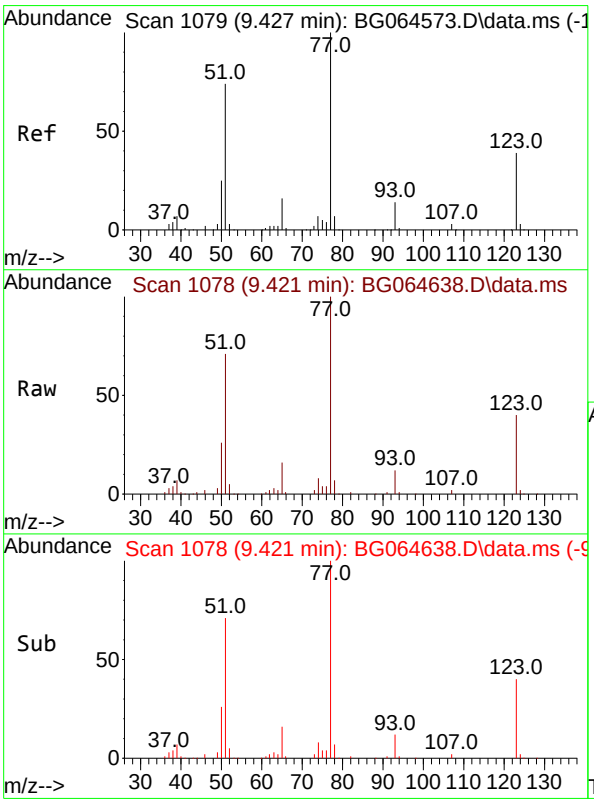
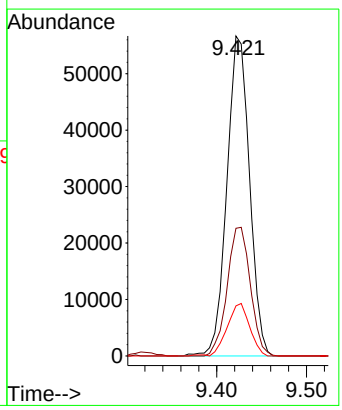
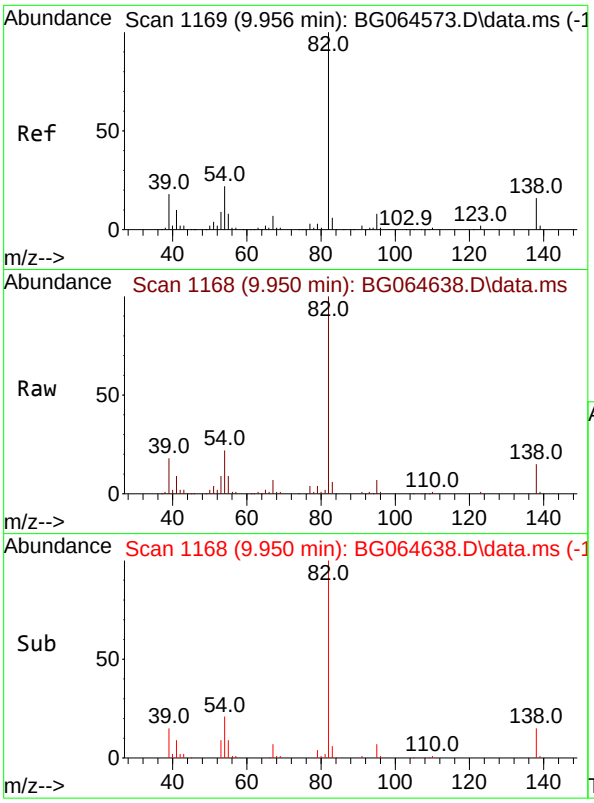


#24
Nitrobenzene
Concen: 43.873 ng
RT: 9.421 min Scan# 1078
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion: 77 Resp: 99054

Ion	Ratio	Lower	Upper
77	100		
123	39.9	31.0	46.6
65	15.6	12.7	19.1

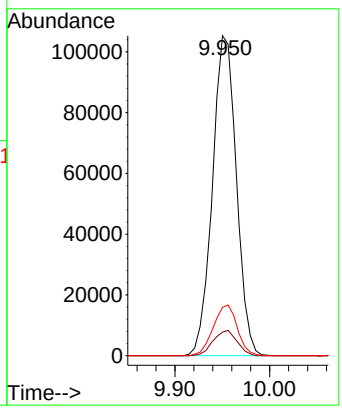




#25
Isophorone
Concen: 37.128 ng
RT: 9.950 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion: 82 Resp: 18493

Ion	Ratio	Lower	Upper
82	100		
95	7.4	6.1	9.1
138	15.1	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
PB170286BS

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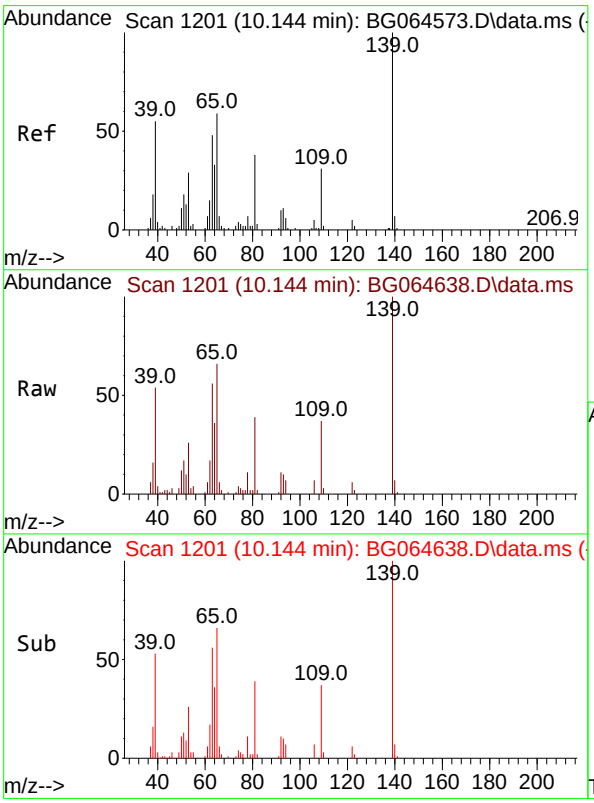
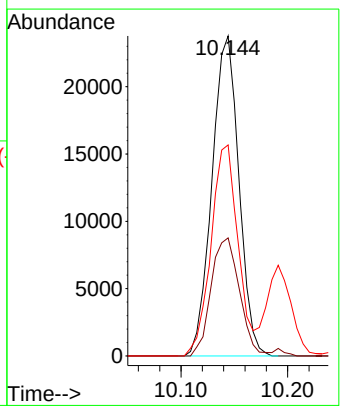
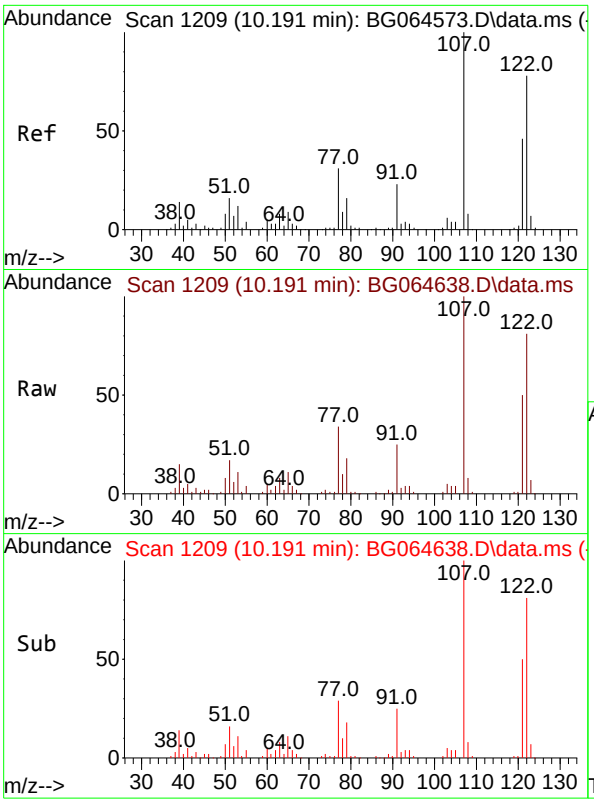


#26
2-Nitrophenol
Concen: 47.778 ng
RT: 10.144 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:139 Resp: 41607

Ion	Ratio	Lower	Upper
139	100		
109	36.9	24.6	37.0
65	66.0	47.5	71.3

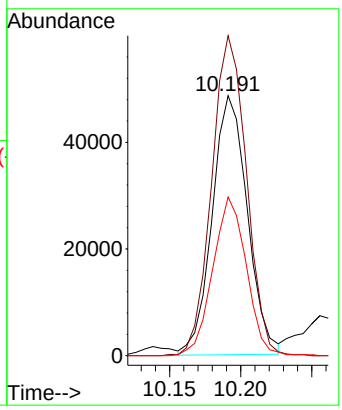




#27
2,4-Dimethylphenol
Concen: 45.136 ng
RT: 10.191 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:122 Resp: 8362

Ion	Ratio	Lower	Upper
122	100		
107	123.1	103.0	154.4
121	61.1	47.8	71.8



Instrument :
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ClientSampleId :
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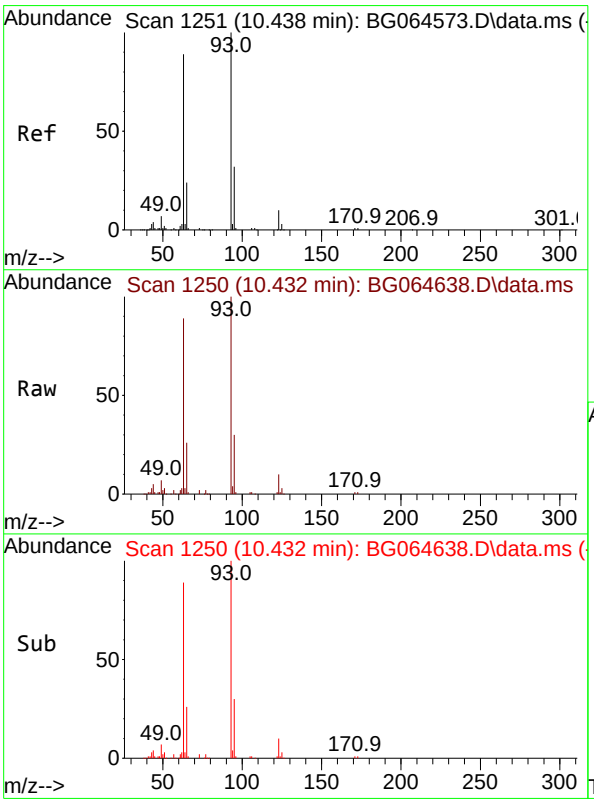
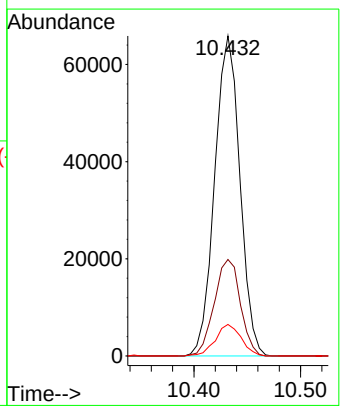
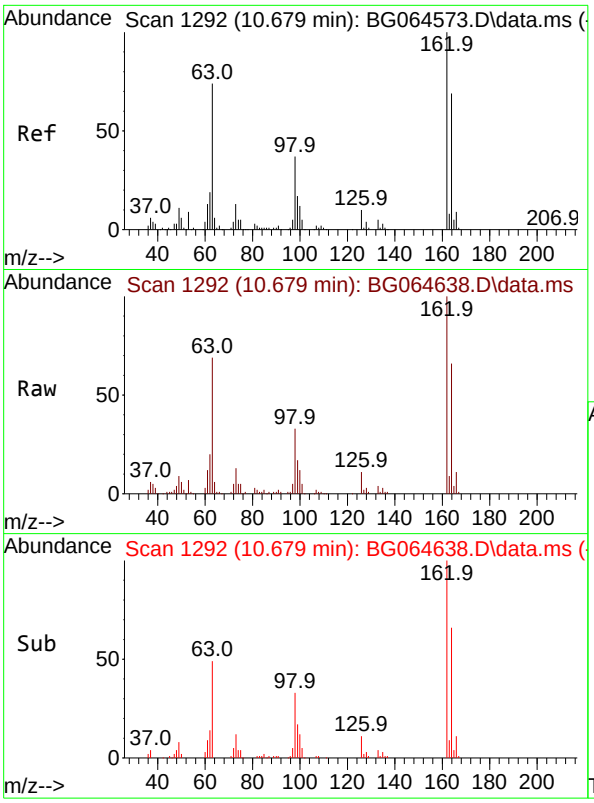


#28
bis(2-Chloroethoxy)methane
Concen: 38.088 ng
RT: 10.432 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion: 93 Resp: 108016

Ion	Ratio	Lower	Upper
93	100		
95	30.1	25.4	38.2
123	9.9	8.4	12.6

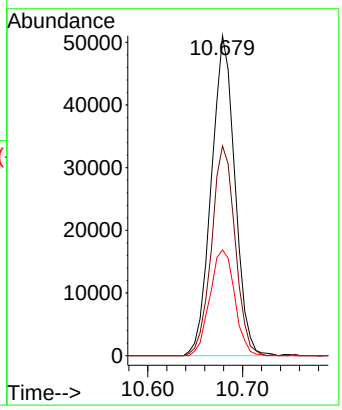




#29
2,4-Dichlorophenol
Concen: 44.165 ng
RT: 10.679 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:162 Resp: 8806

Ion	Ratio	Lower	Upper
162	100		
164	65.6	48.7	88.7
98	33.1	16.9	56.9



Instrument :
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ClientSampleId :
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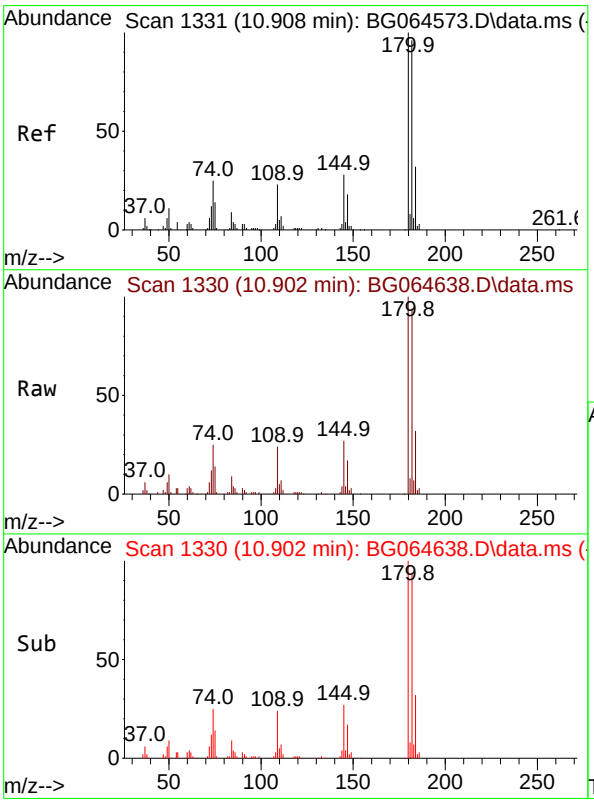
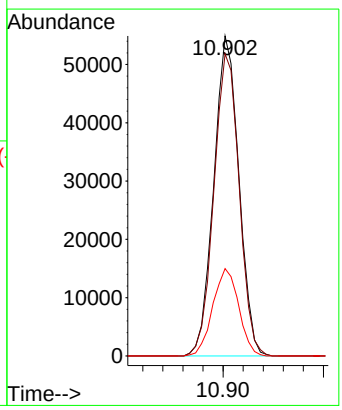
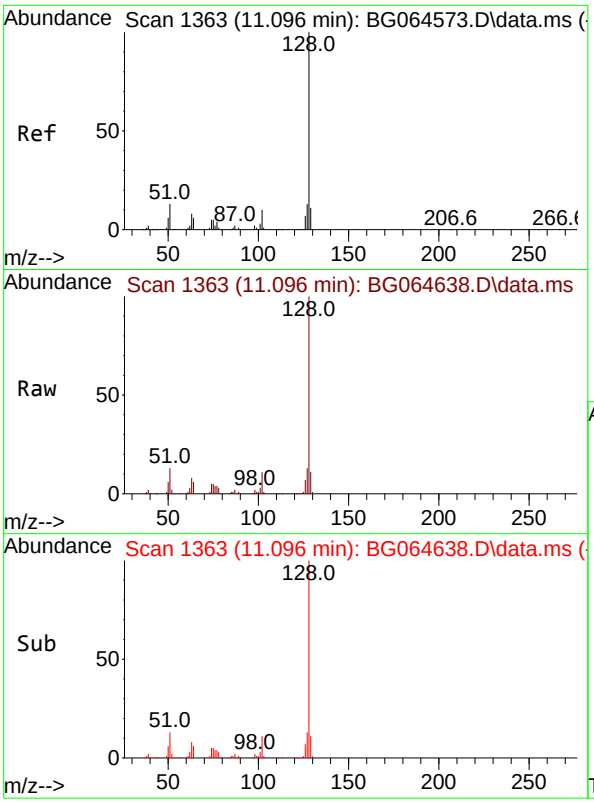


#30
1,2,4-Trichlorobenzene
Concen: 41.983 ng
RT: 10.902 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:180 Resp: 95114

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.9	115.3
145	27.3	22.1	33.1

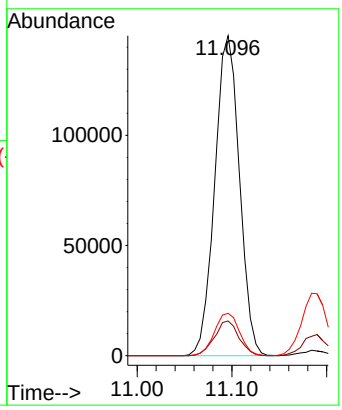




#31
Naphthalene
Concen: 37.964 ng
RT: 11.096 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:128 Resp: 26242

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.3	10.6	15.8



Instrument :
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ClientSampleId :
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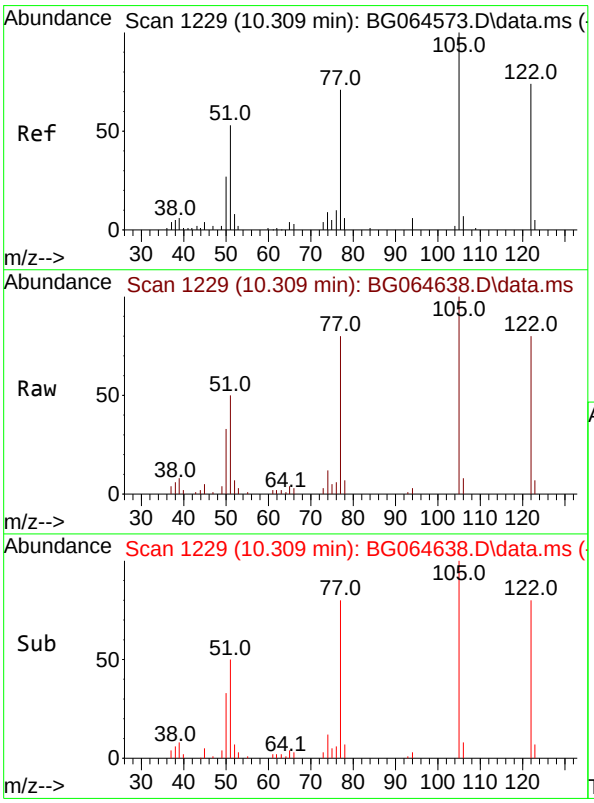
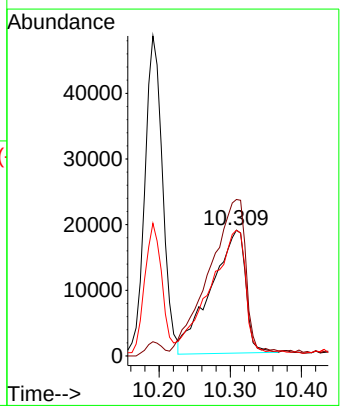
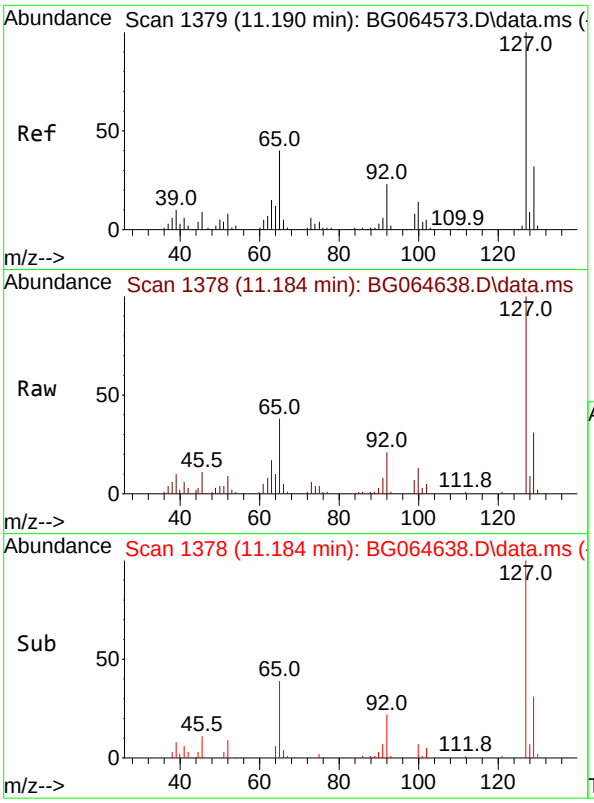


#32
Benzoic acid
Concen: 45.241 ng
RT: 10.309 min Scan# 1229
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:122 Resp: 63329

Ion	Ratio	Lower	Upper
122	100		
105	124.4	104.2	144.2
77	100.0	70.2	110.2

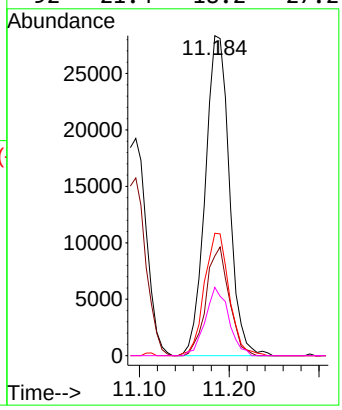




#33
4-Chloroaniline
Concen: 19.673 ng
RT: 11.184 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:127 Resp: 5285

Ion	Ratio	Lower	Upper
127	100		
129	31.1	25.5	38.3
65	38.2	32.2	48.4
92	21.4	18.2	27.2



Instrument :
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ClientSampleId :
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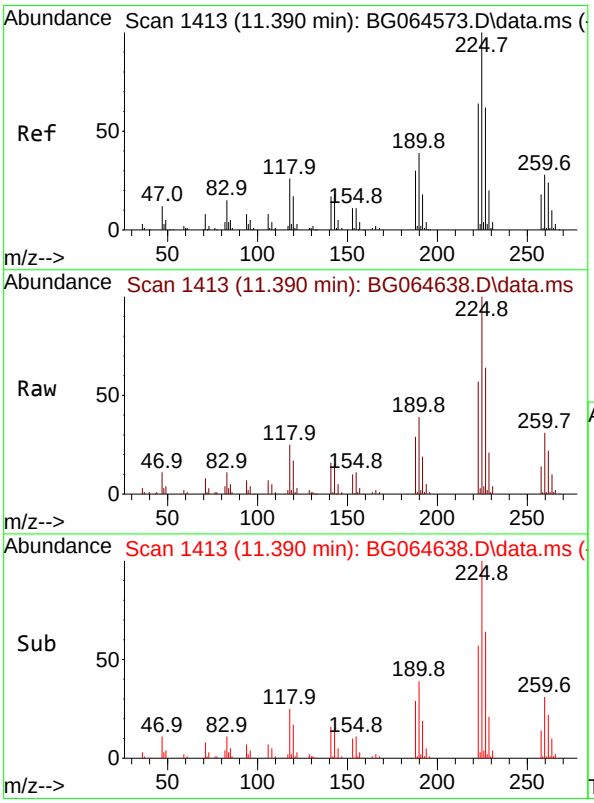
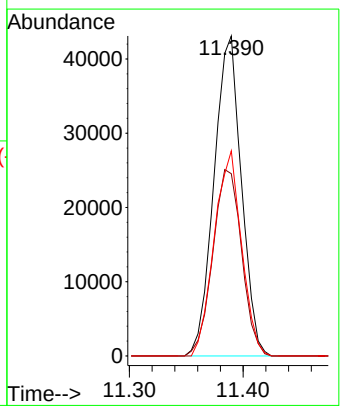
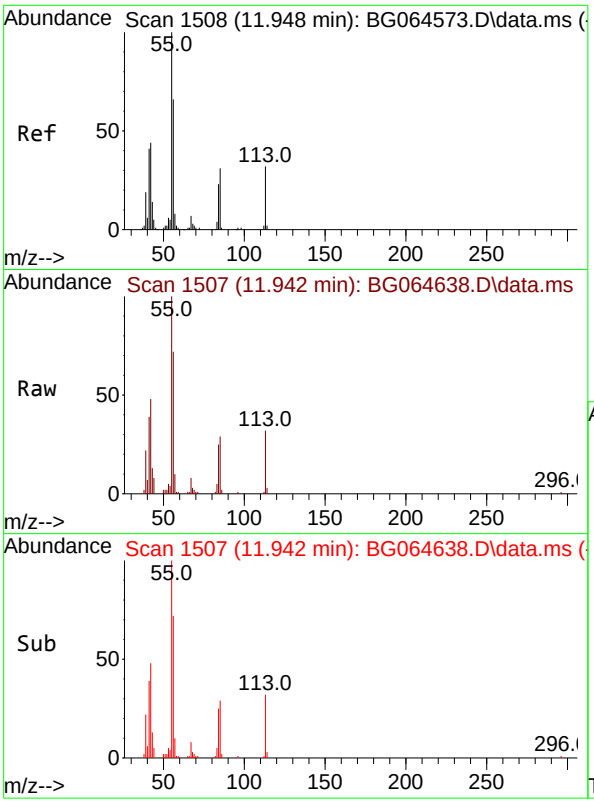


#34
Hexachlorobutadiene
Concen: 40.668 ng
RT: 11.390 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:225 Resp: 72053

Ion	Ratio	Lower	Upper
225	100		
223	57.0	48.8	73.2
227	66.5	49.5	74.3

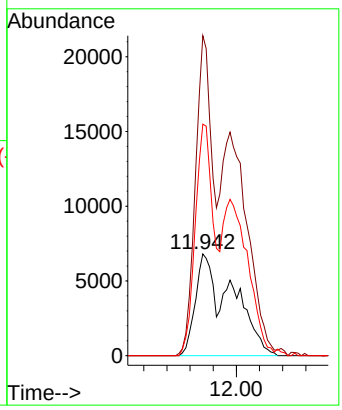




#35
Caprolactam
Concen: 39.070 ng m
RT: 11.942 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:113 Resp: 2987

Ion	Ratio	Lower	Upper
113	100		
55	314.2	290.1	330.1
56	227.3	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
PB170286BS

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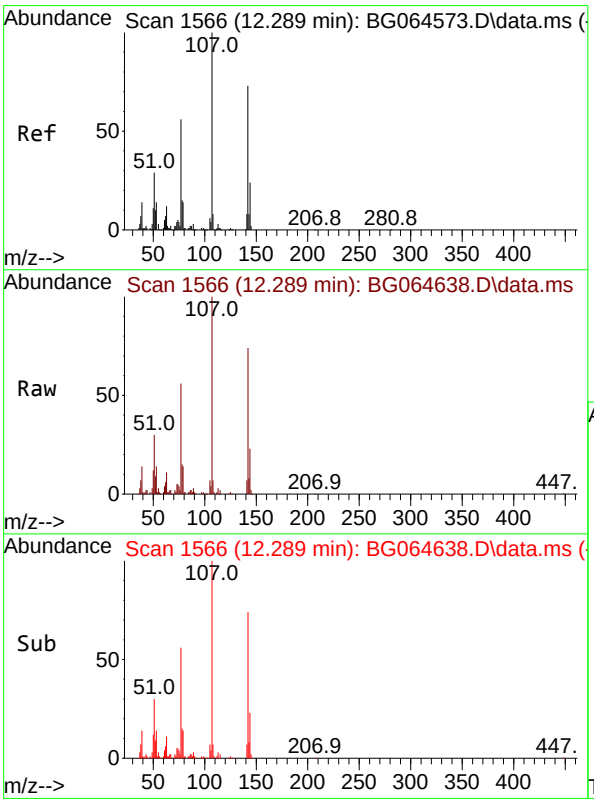
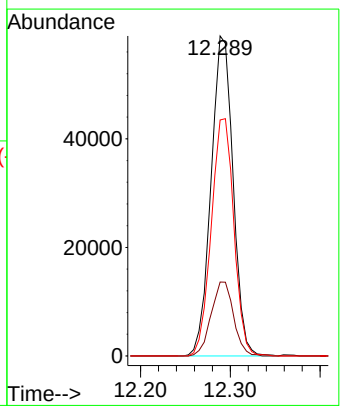
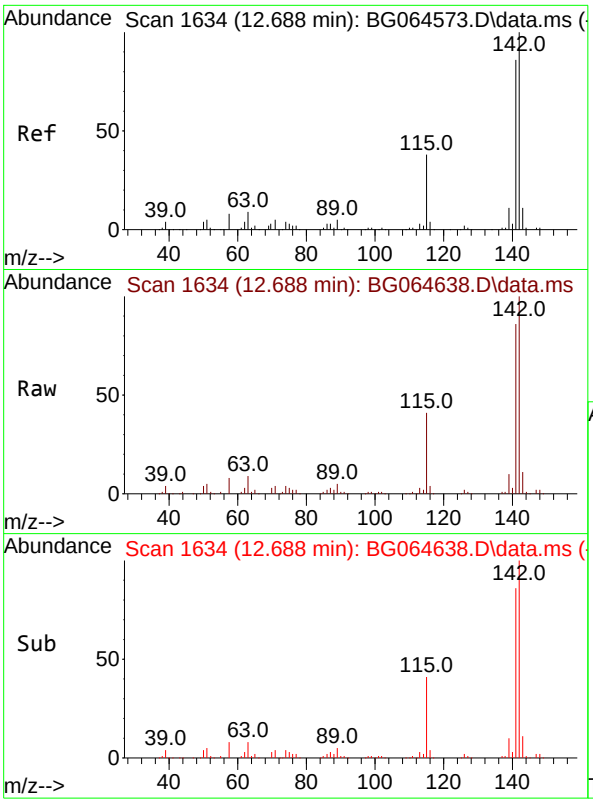


#36
4-Chloro-3-methylphenol
Concen: 41.843 ng
RT: 12.289 min Scan# 1566
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:107 Resp: 100287

Ion	Ratio	Lower	Upper
107	100		
144	23.1	19.1	28.7
142	73.7	58.6	87.8

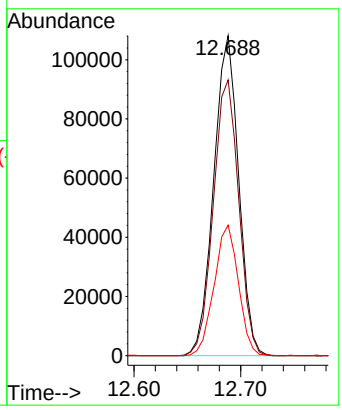




#37
2-Methylnaphthalene
Concen: 34.608 ng
RT: 12.688 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:142 Resp: 17564

Ion	Ratio	Lower	Upper
142	100		
141	86.2	68.9	103.3
115	40.8	30.6	46.0



Instrument :
BNA_G
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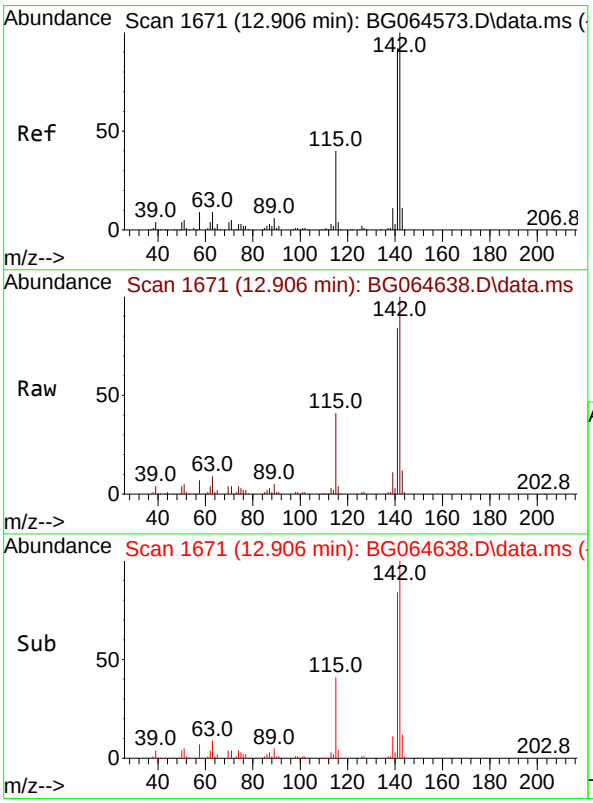
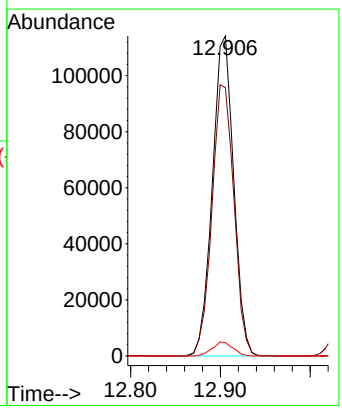
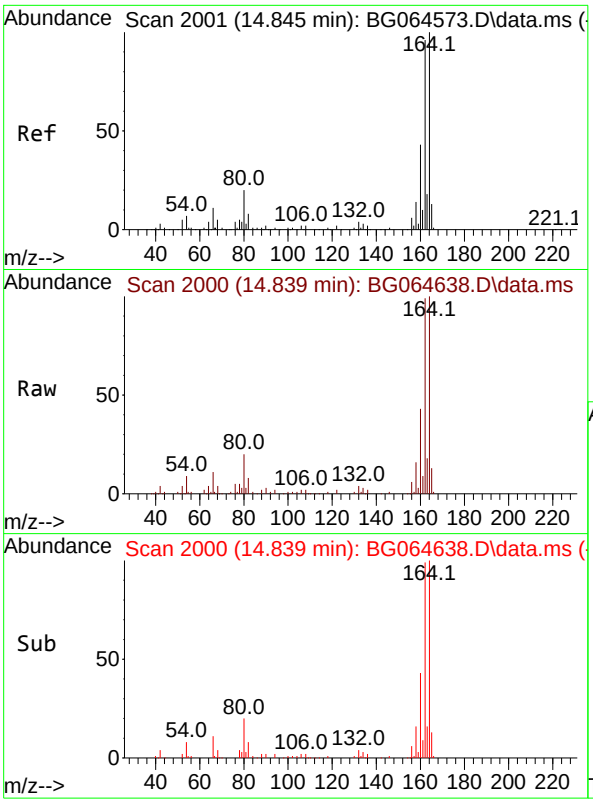


#38
1-Methylnaphthalene
Concen: 37.426 ng
RT: 12.906 min Scan# 1671
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:142 Resp: 188034

Ion	Ratio	Lower	Upper
142	100		
141	83.9	73.3	109.9
116	4.4	3.1	4.7

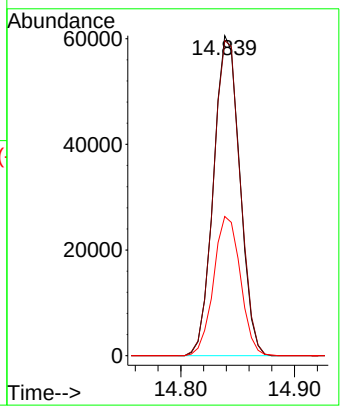




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:164 Resp: 9702

Ion	Ratio	Lower	Upper
164	100		
162	98.5	77.0	115.6
160	43.5	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
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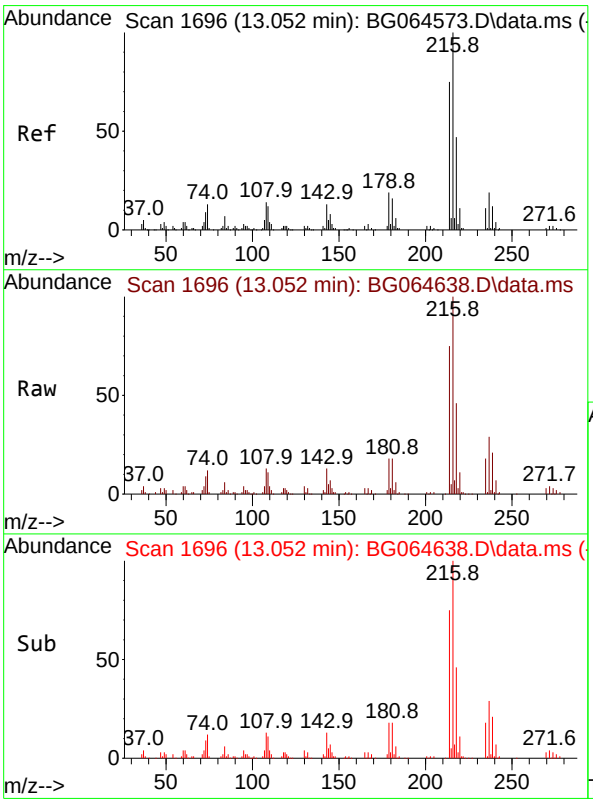
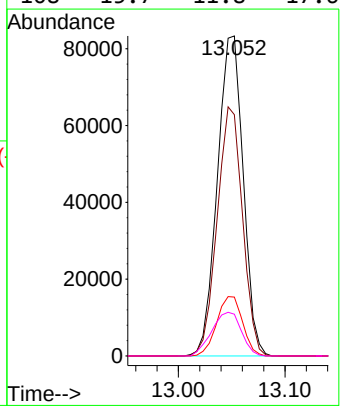
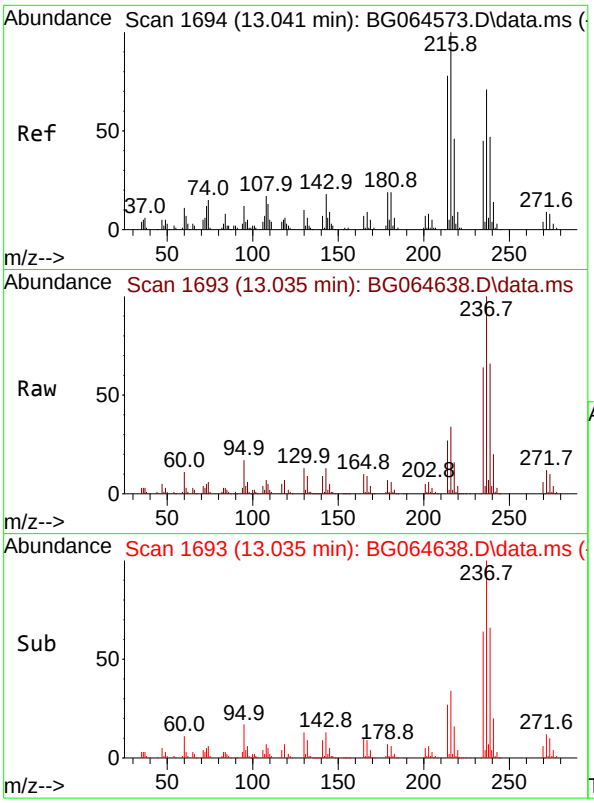


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.052 ng
RT: 13.052 min Scan# 1696
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:216 Resp: 140180

Ion	Ratio	Lower	Upper
216	100		
214	76.4	61.4	92.2
179	18.6	15.4	23.0
108	15.7	11.8	17.6

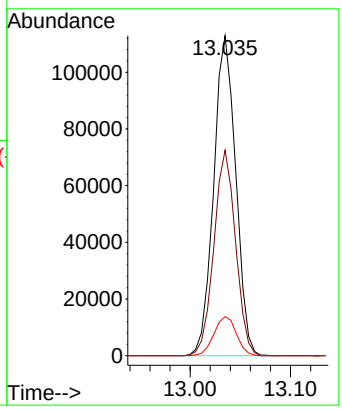




#41
Hexachlorocyclopentadiene
Concen: 117.624 ng
RT: 13.035 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:237 Resp: 17238

Ion	Ratio	Lower	Upper
237	100		
235	64.2	44.1	84.1
272	12.2	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
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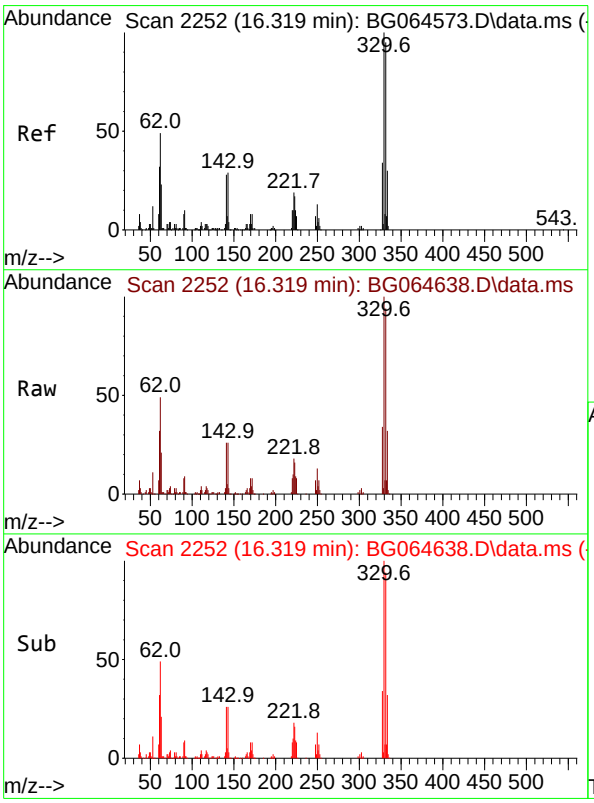
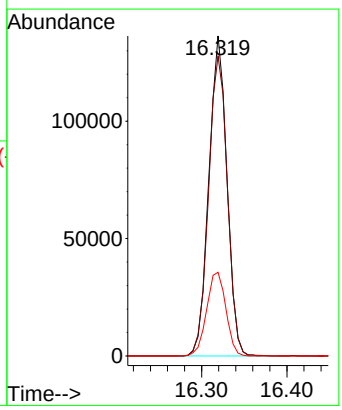
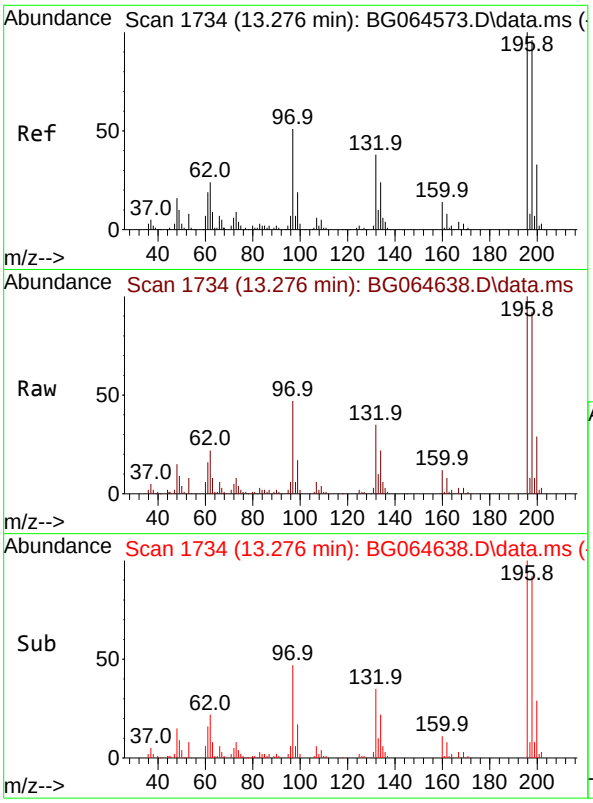


#42
2,4,6-Tribromophenol
Concen: 143.850 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:330 Resp: 201434

Ion	Ratio	Lower	Upper
330	100		
332	97.2	78.0	117.0
141	27.8	21.8	32.6

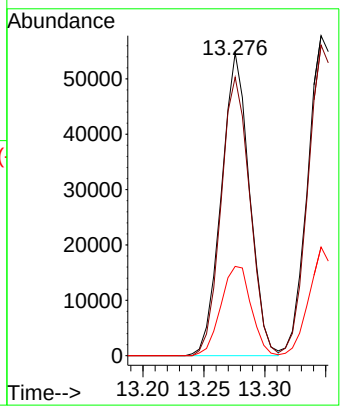




#43
2,4,6-Trichlorophenol
Concen: 47.123 ng
RT: 13.276 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:196 Resp: 8776

Ion	Ratio	Lower	Upper
196	100		
198	91.9	76.6	115.0
200	29.5	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
PB170286BS

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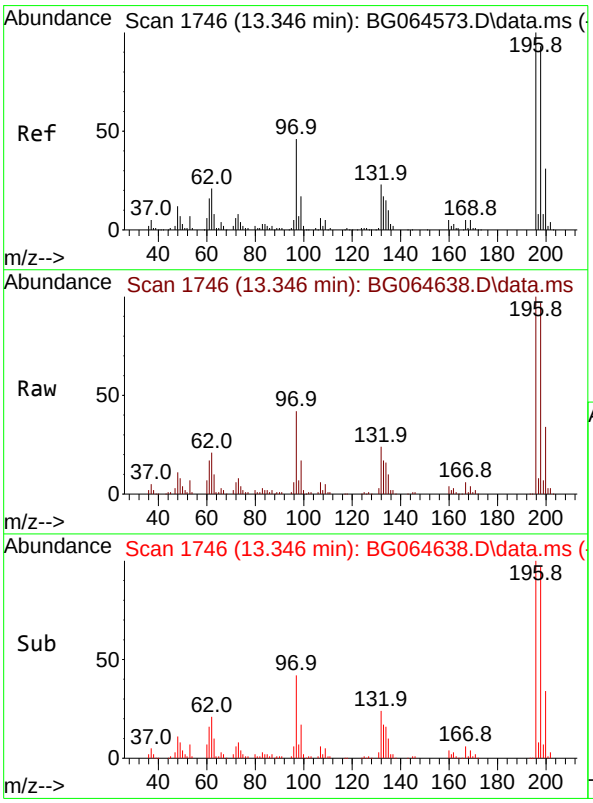
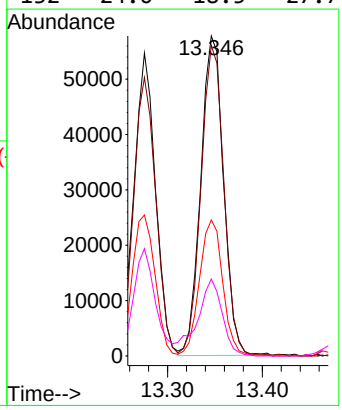
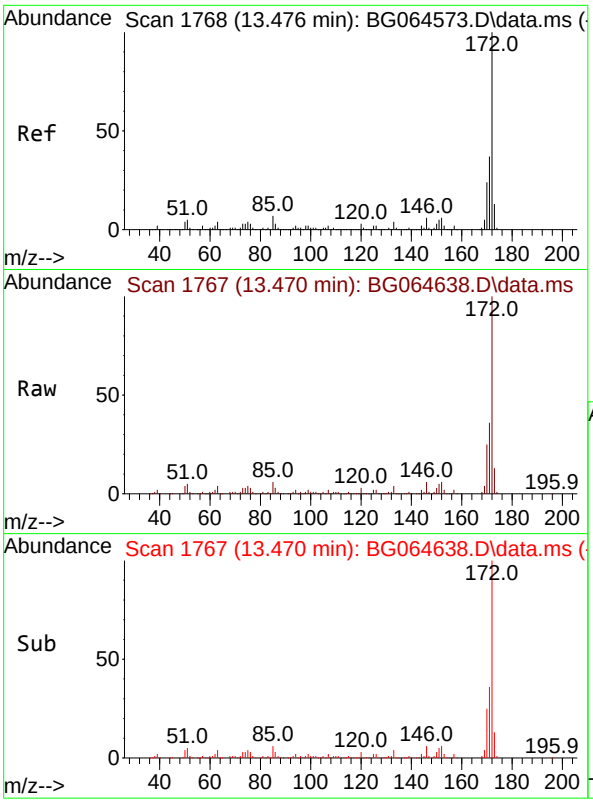


#44
2,4,5-Trichlorophenol
Concen: 44.925 ng
RT: 13.346 min Scan# 1746
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:196 Resp: 96559

Ion	Ratio	Lower	Upper
196	100		
198	97.1	74.2	111.4
97	42.5	37.0	55.6
132	24.0	18.5	27.7

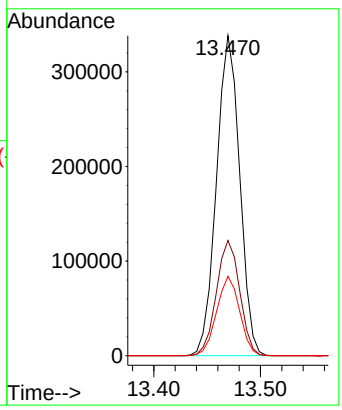




#45
2-Fluorobiphenyl
Concen: 79.896 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:172 Resp: 51140

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.0
170	24.8	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
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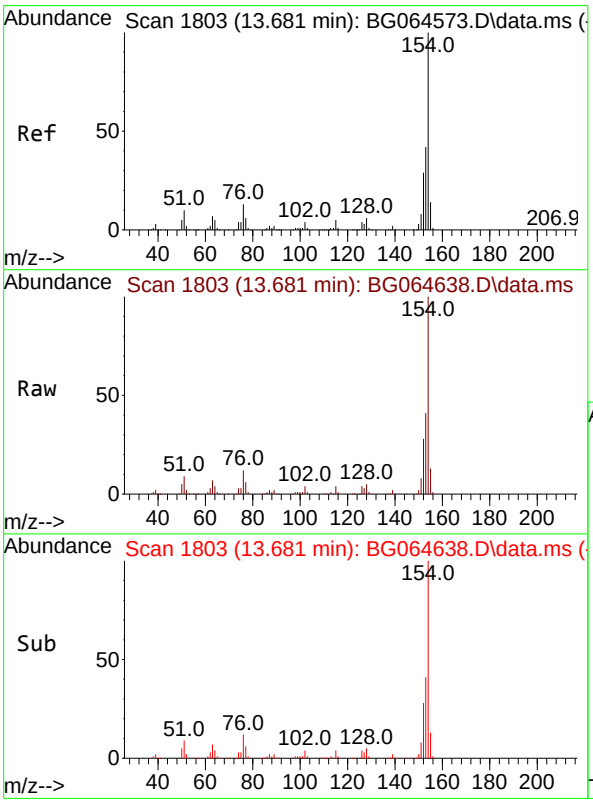
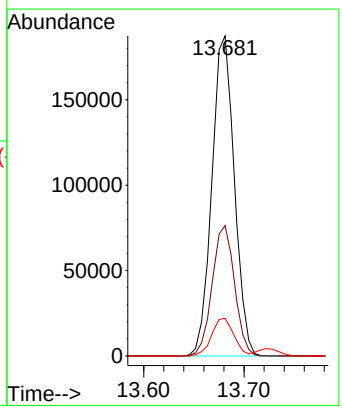
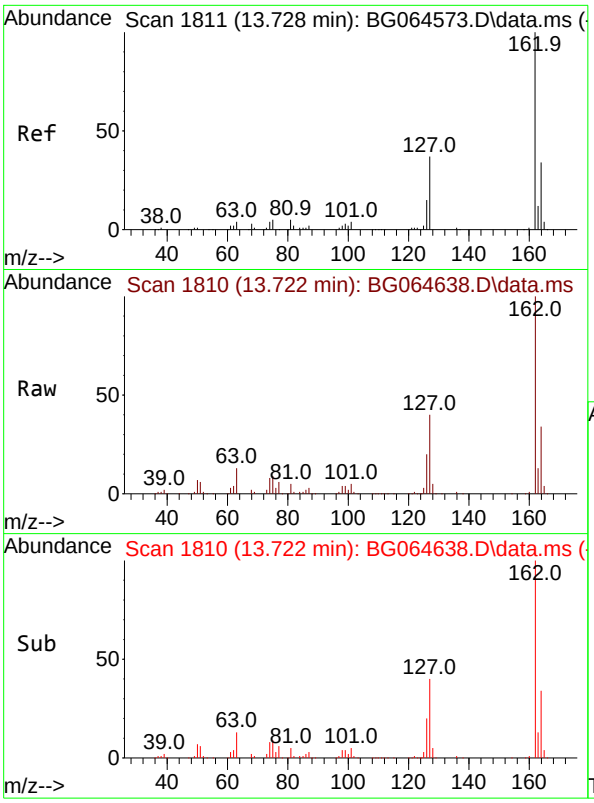


#46
1,1'-Biphenyl
Concen: 42.233 ng
RT: 13.681 min Scan# 1803
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:154 Resp: 291306

Ion	Ratio	Lower	Upper
154	100		
153	40.7	22.4	62.4
76	11.8	0.0	33.5

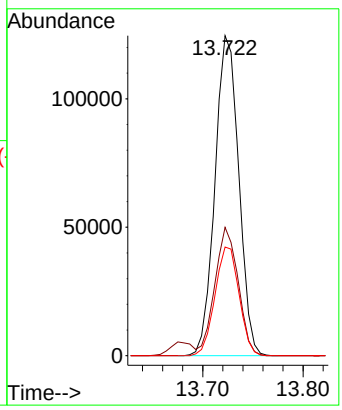




#47
2-Chloronaphthalene
Concen: 39.368 ng
RT: 13.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:162 Resp: 20496

Ion	Ratio	Lower	Upper
162	100		
127	40.1	32.2	48.2
164	33.9	27.5	41.3



Instrument :
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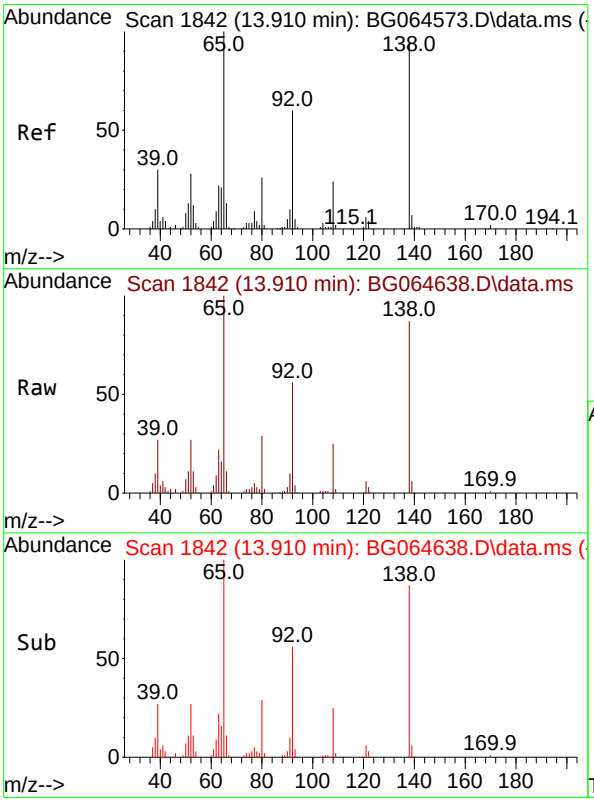
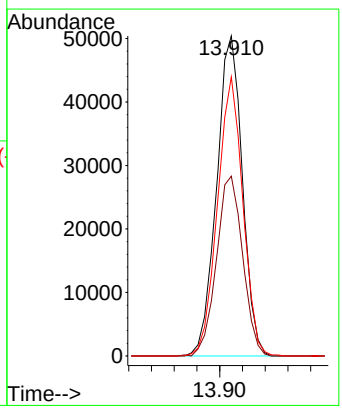
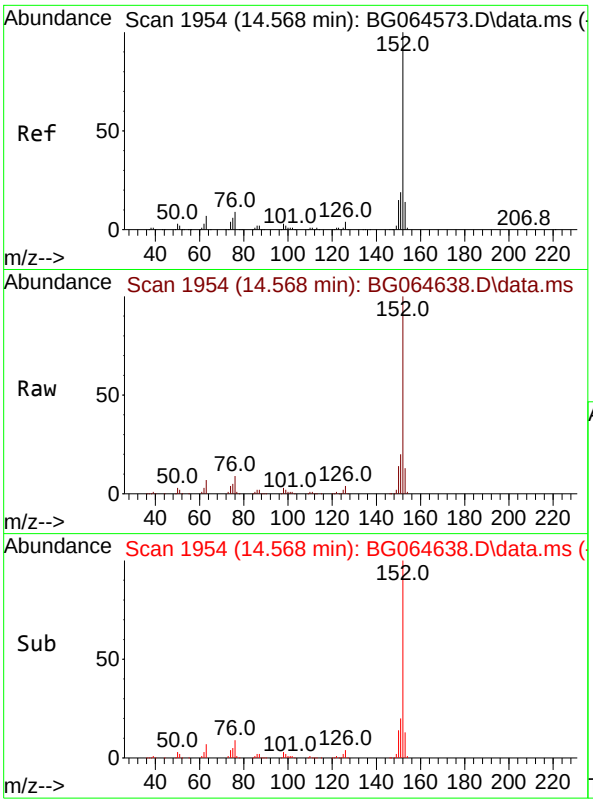


#48
2-Nitroaniline
Concen: 45.457 ng
RT: 13.910 min Scan# 1842
Delta R.T. 0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion: 65 Resp: 79131

Ion	Ratio	Lower	Upper
65	100		
92	56.2	48.3	72.5
138	87.2	74.9	112.3

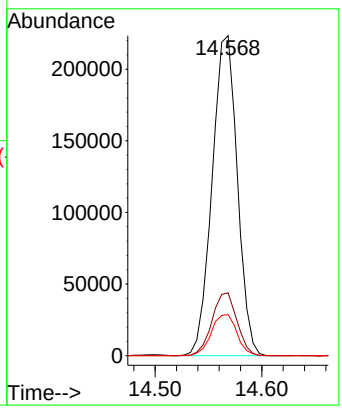




#49
Acenaphthylene
Concen: 44.639 ng
RT: 14.568 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:152 Resp: 36658

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	12.9	11.0	16.4



Instrument :
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ClientSampleId :
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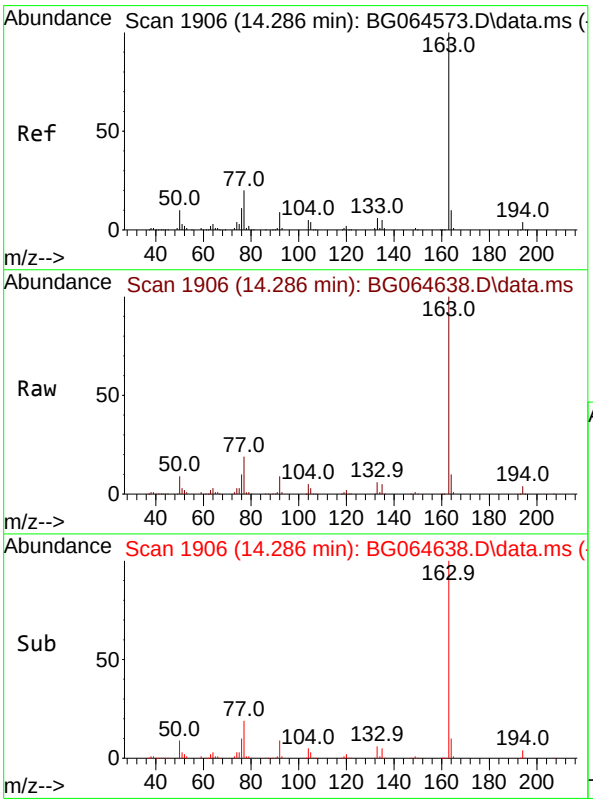
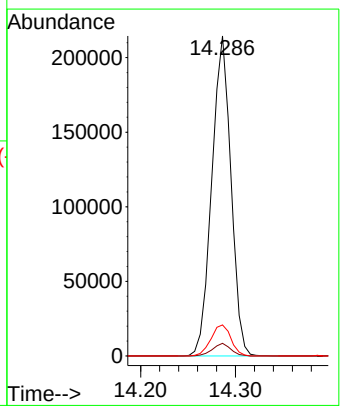
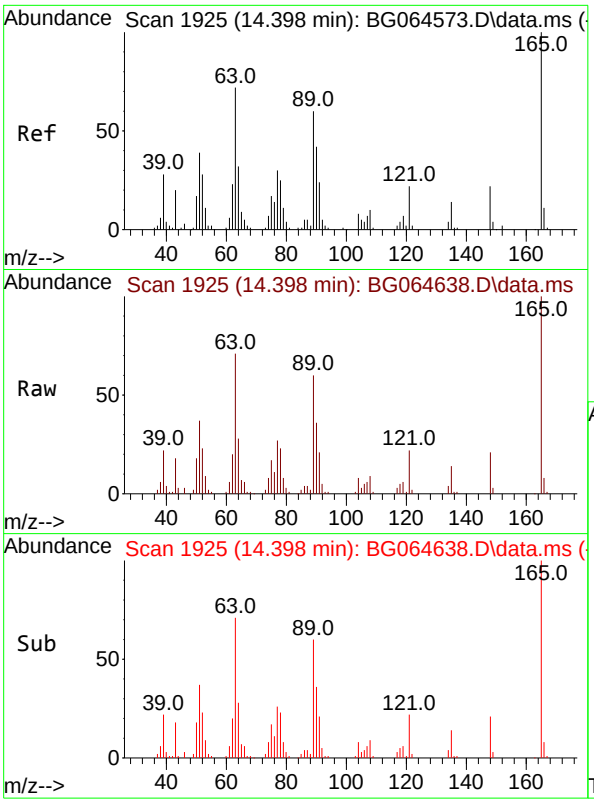


#50
Dimethylphthalate
Concen: 40.542 ng
RT: 14.286 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:163 Resp: 300984

Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.8	4.2
164	9.7	7.7	11.5

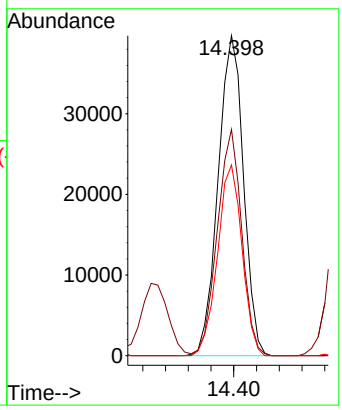




#51
2,6-Dinitrotoluene
Concen: 49.972 ng
RT: 14.398 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:165 Resp: 6138

Ion	Ratio	Lower	Upper
165	100		
63	70.7	57.4	86.0
89	59.6	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
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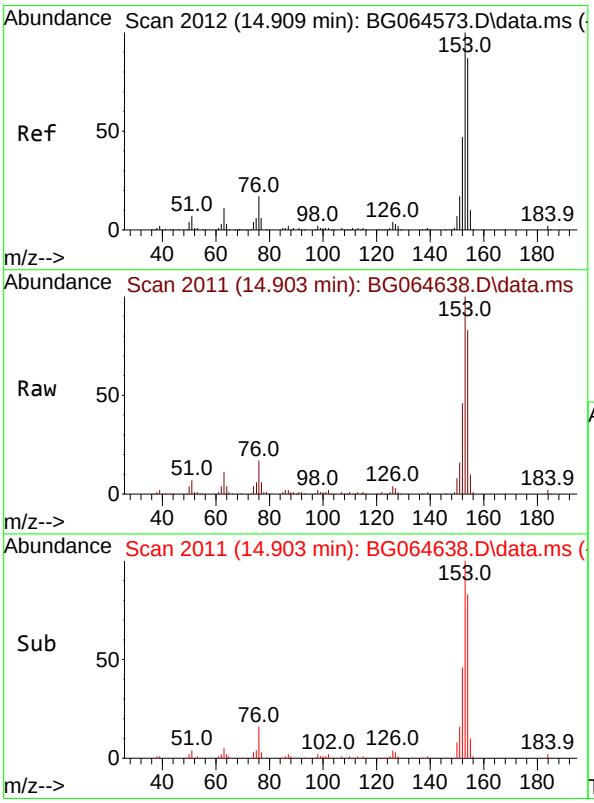
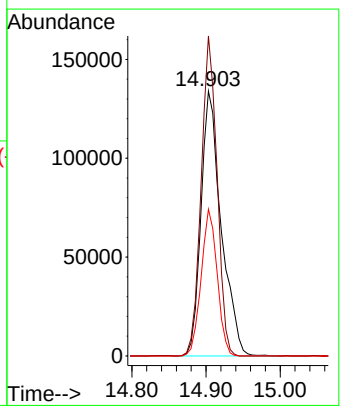
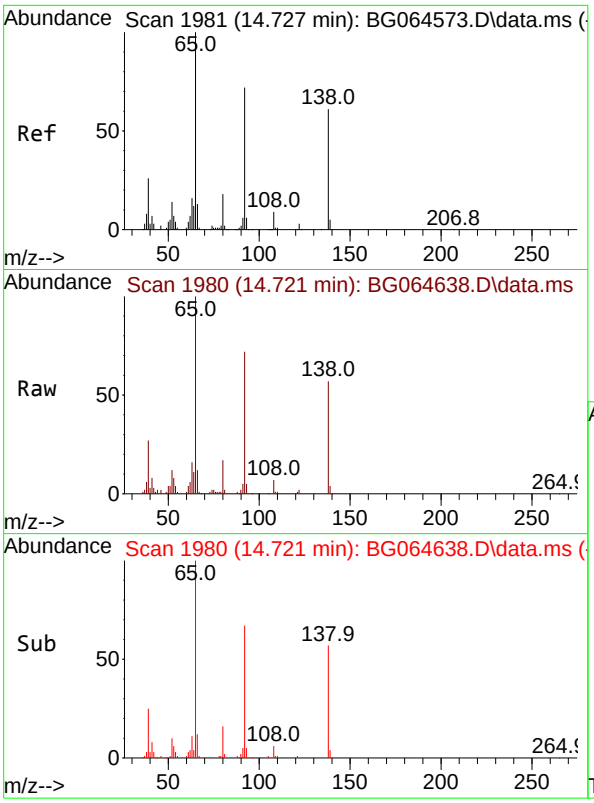


#52
Acenaphthene
Concen: 45.125 ng
RT: 14.903 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:154 Resp: 253184

Ion	Ratio	Lower	Upper
154	100		
153	120.8	92.2	138.4
152	55.4	43.2	64.8

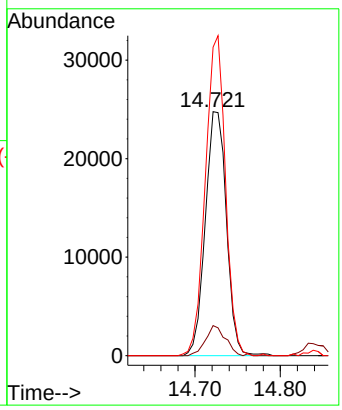




#53
3-Nitroaniline
Concen: 33.472 ng
RT: 14.721 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:138 Resp: 4270

Ion	Ratio	Lower	Upper
138	100		
108	12.3	11.4	17.0
92	126.5	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
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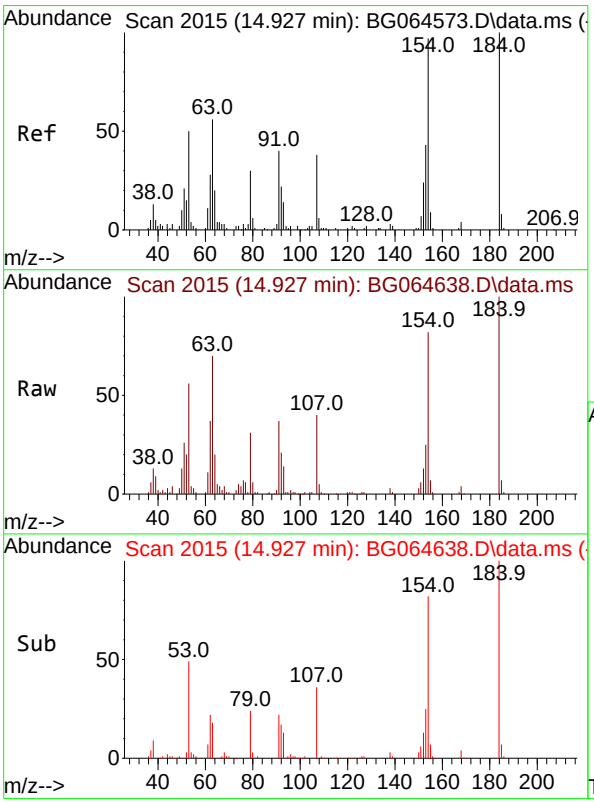
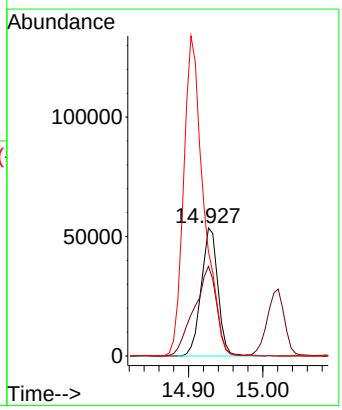
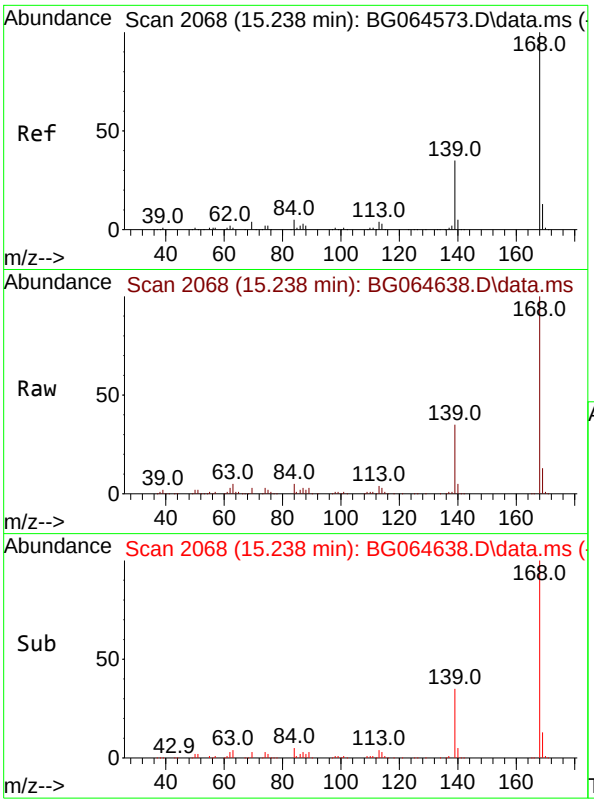


#54
2,4-Dinitrophenol
Concen: 109.290 ng
RT: 14.927 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:184 Resp: 83799

Ion	Ratio	Lower	Upper
184	100		
63	70.0	56.6	85.0
154	81.6	158.6	238.0#

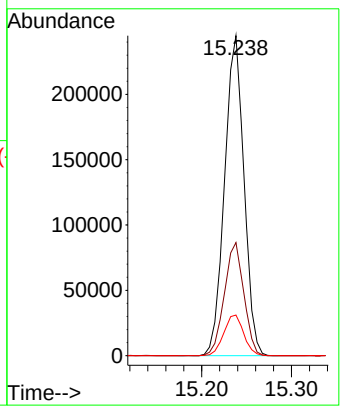




#55
Dibenzofuran
Concen: 40.455 ng
RT: 15.238 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:168 Resp: 36695

Ion	Ratio	Lower	Upper
168	100		
139	35.4	27.8	41.8
169	12.7	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
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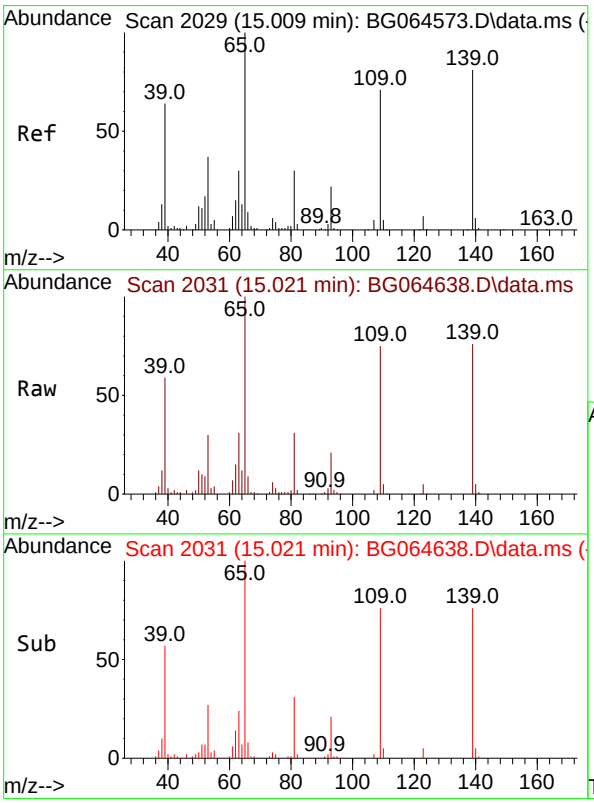
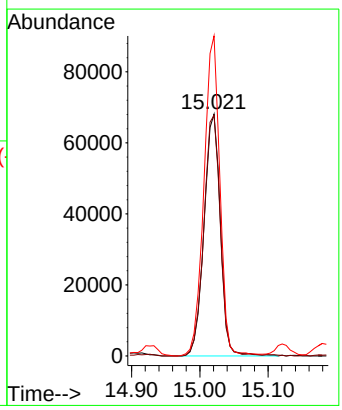
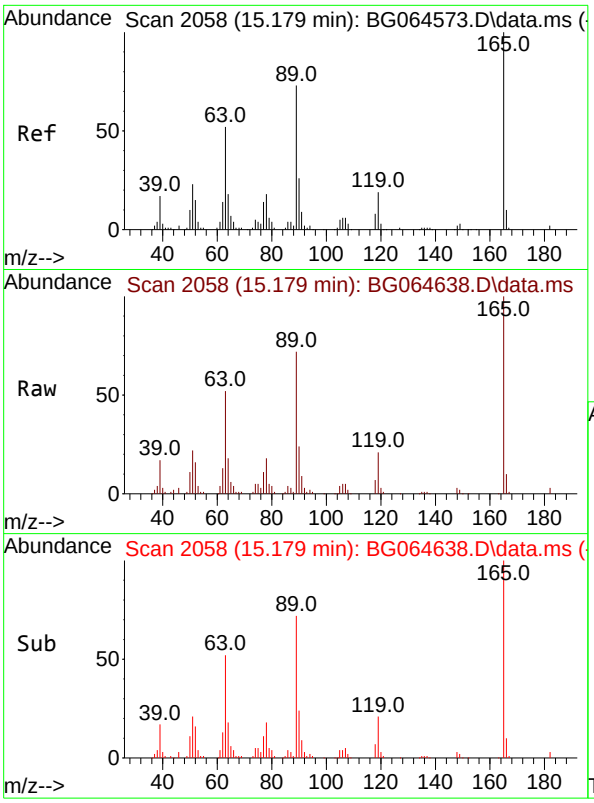


#56
4-Nitrophenol
Concen: 95.819 ng
RT: 15.021 min Scan# 2031
Delta R.T. 0.012 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:139 Resp: 113344

Ion	Ratio	Lower	Upper
139	100		
109	99.6	67.8	107.8
65	132.4	103.7	143.7

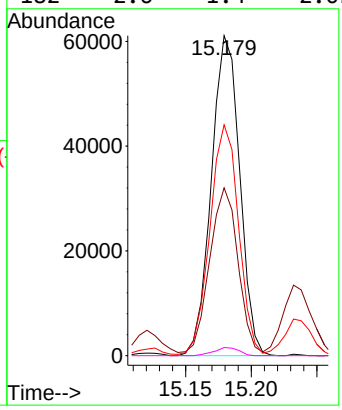




#57
2,4-Dinitrotoluene
Concen: 48.378 ng
RT: 15.179 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:165 Resp: 9167

Ion	Ratio	Lower	Upper
165	100		
63	52.4	41.8	62.8
89	72.1	58.1	87.1
182	2.6	1.4	2.0#



Instrument :
BNA_G
ClientSampleId :
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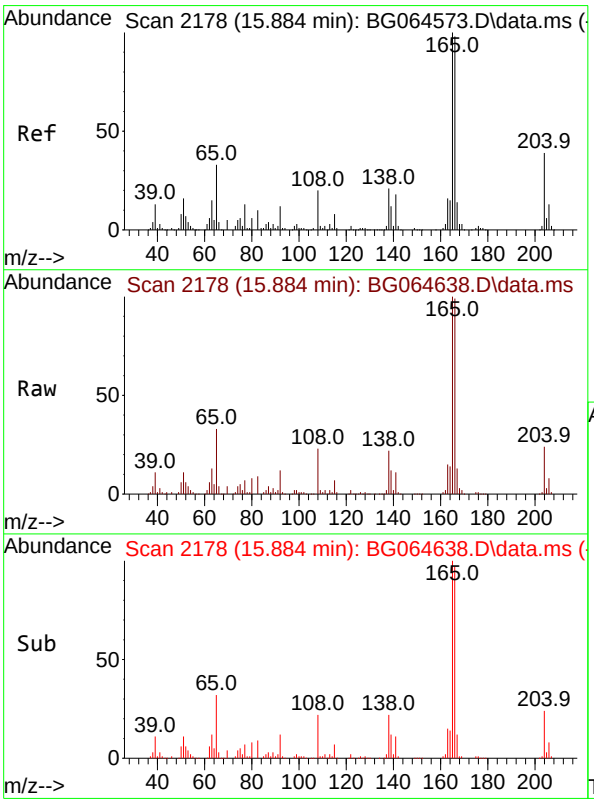
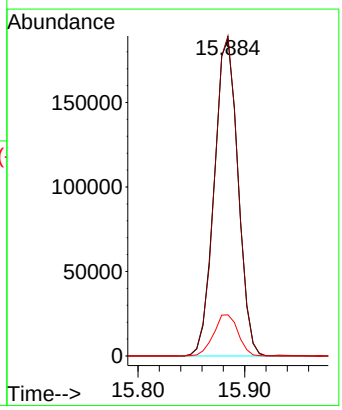
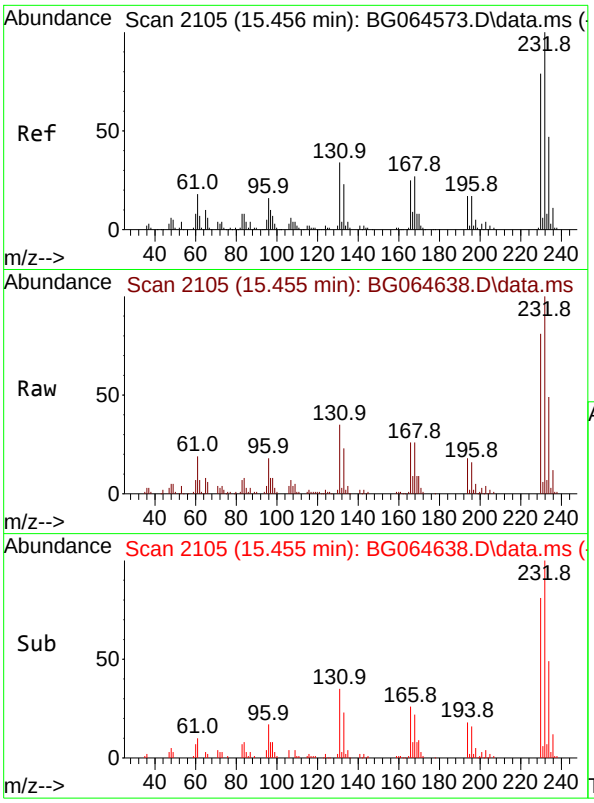


#58
Fluorene
Concen: 40.956 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:166 Resp: 290135

Ion	Ratio	Lower	Upper
166	100		
165	101.0	81.5	122.3
167	13.0	11.4	17.0

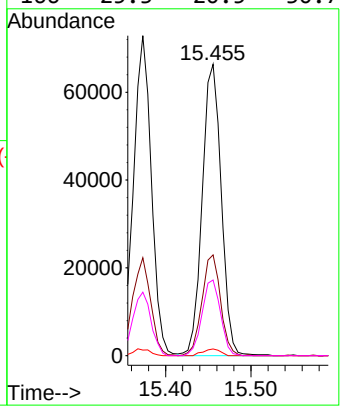




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.044 ng
RT: 15.455 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:232 Resp: 10285

Ion	Ratio	Lower	Upper
232	100		
131	33.9	26.7	40.1
130	2.1	1.6	2.4
166	25.3	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
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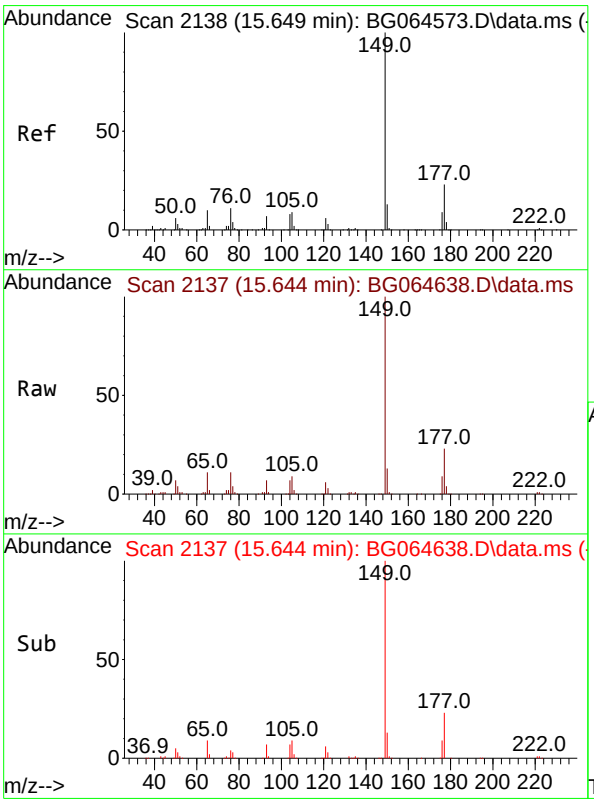
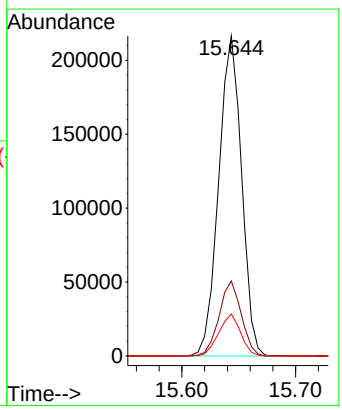
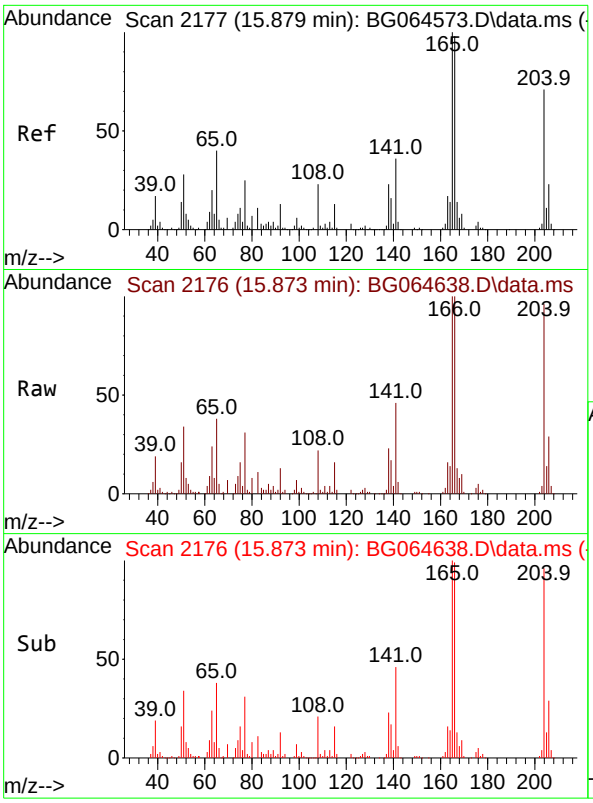


#60
Diethylphthalate
Concen: 39.933 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:149 Resp: 302705

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.0	27.0
150	13.1	10.2	15.4

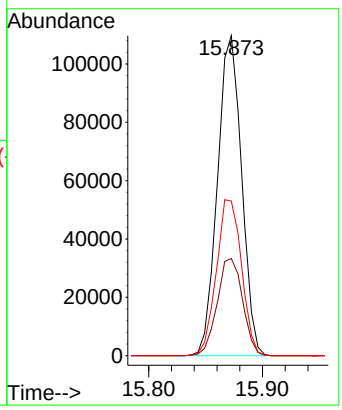




#61
4-Chlorophenyl-phenylether
Concen: 40.706 ng
RT: 15.873 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:204 Resp: 16182

Ion	Ratio	Lower	Upper
204	100		
206	30.4	25.6	38.4
141	48.3	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
PB170286BS

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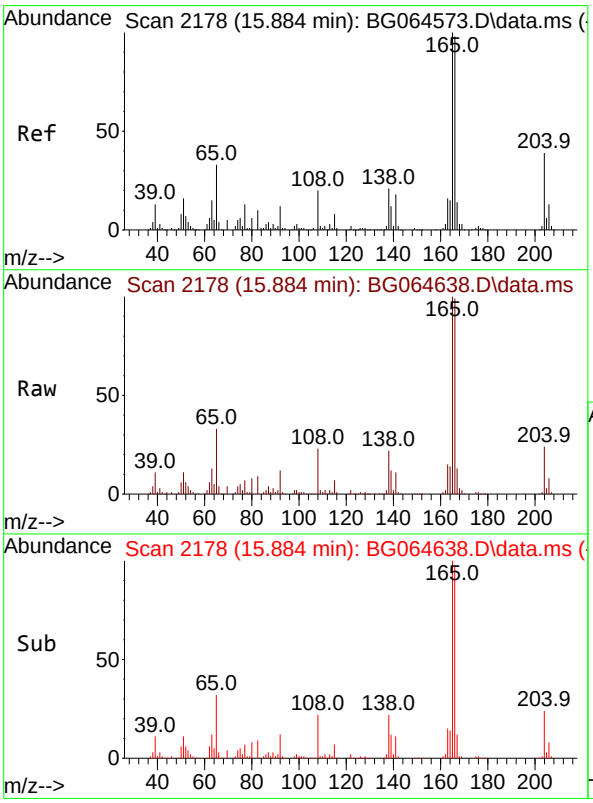
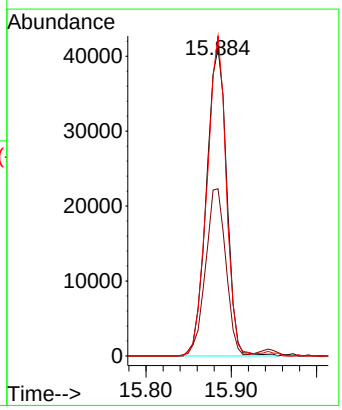
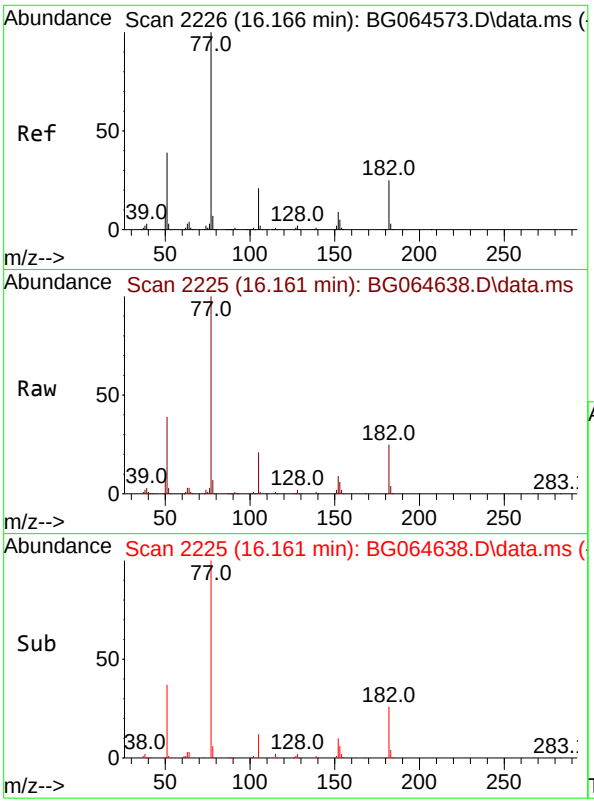


#62
4-Nitroaniline
Concen: 47.714 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:138 Resp: 67726

Ion	Ratio	Lower	Upper
138	100		
92	54.3	36.1	76.1
108	103.9	75.6	115.6

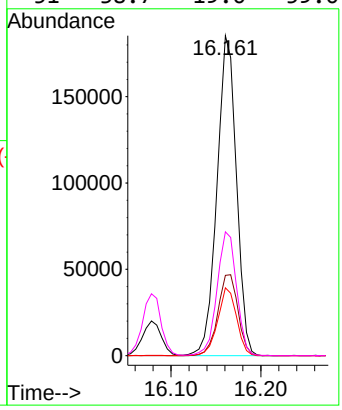




#63
Azobenzene
Concen: 40.061 ng
RT: 16.161 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion: 77 Resp: 27863

Ion	Ratio	Lower	Upper
77	100		
182	25.1	4.9	44.9
105	21.2	1.3	41.3
51	38.7	19.0	59.0



Instrument :
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ClientSampleId :
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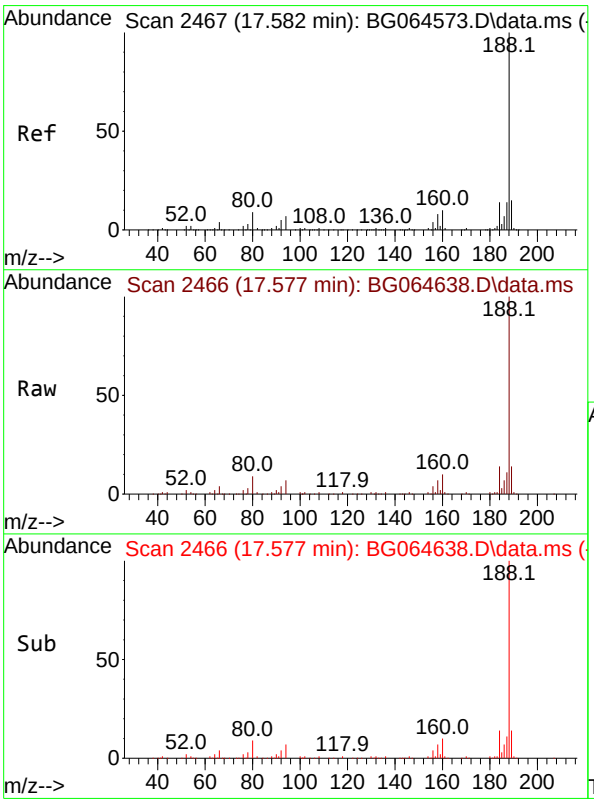
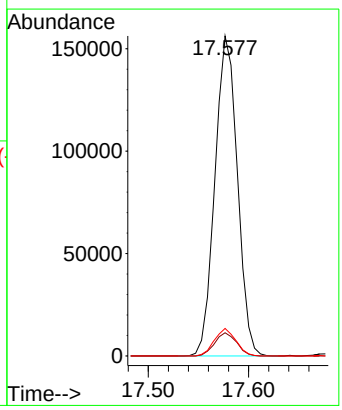
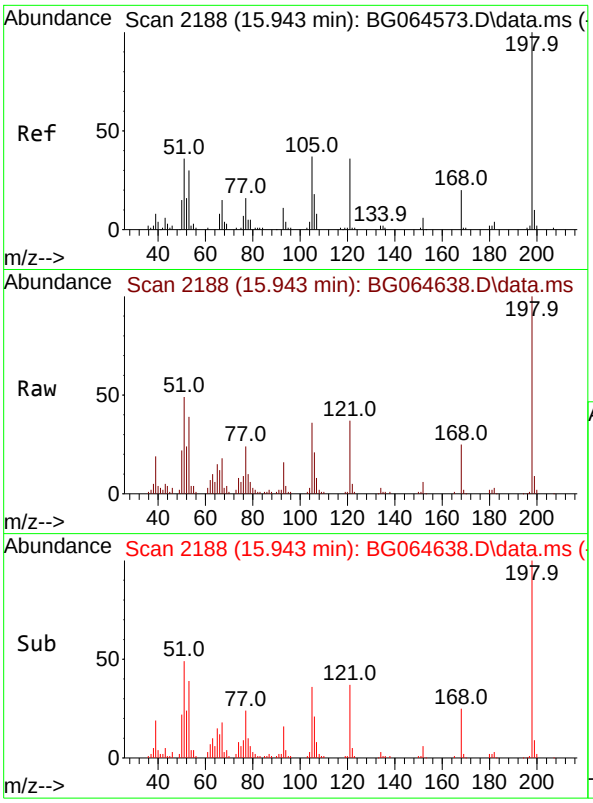


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:188 Resp: 242858

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.7	8.5
80	8.6	6.8	10.2

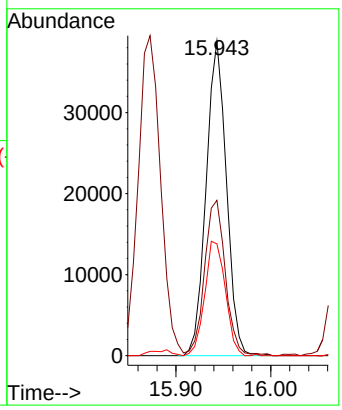




#65
4,6-Dinitro-2-methylphenol
Concen: 53.276 ng
RT: 15.943 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:198 Resp: 5765

Ion	Ratio	Lower	Upper
198	100		
51	49.4	24.7	64.7
105	35.5	18.0	58.0



Instrument :
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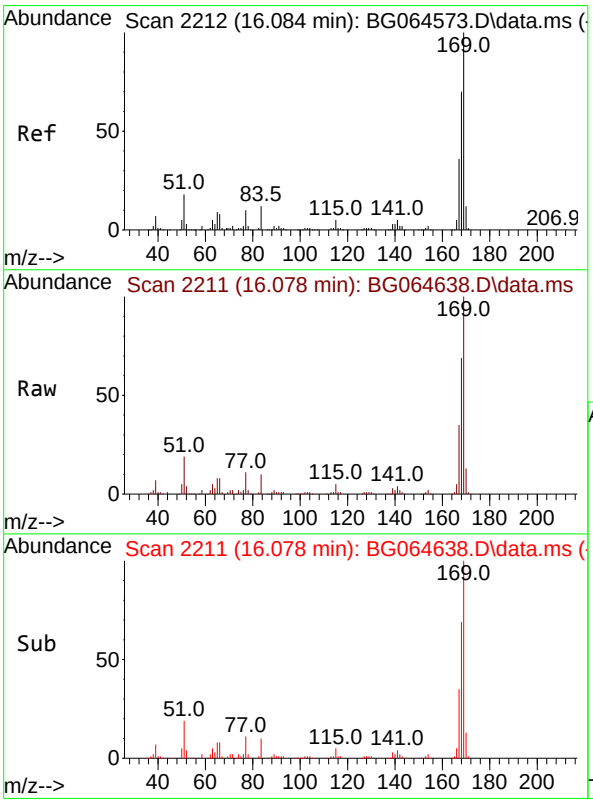
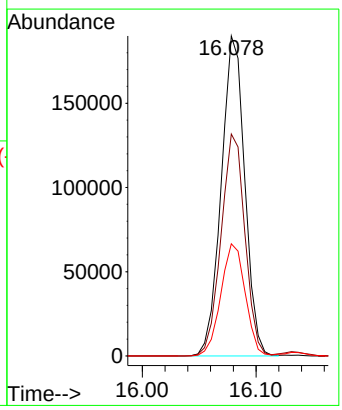
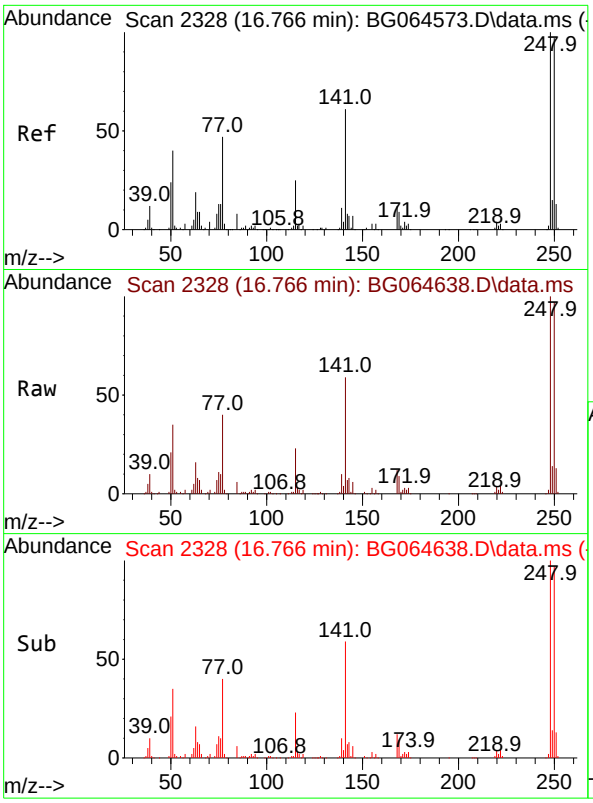


#66
n-Nitrosodiphenylamine
Concen: 41.575 ng
RT: 16.078 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:169 Resp: 272742

Ion	Ratio	Lower	Upper
169	100		
168	69.3	56.3	84.5
167	35.1	29.0	43.6

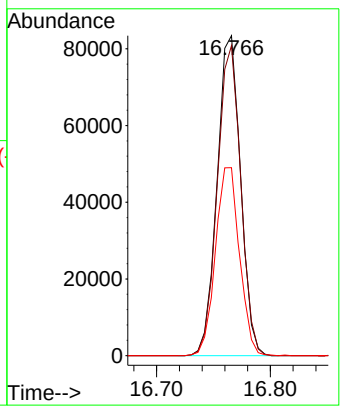




#67
4-Bromophenyl-phenylether
Concen: 41.543 ng
RT: 16.766 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:248 Resp: 11955

Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.7	116.5
141	58.8	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
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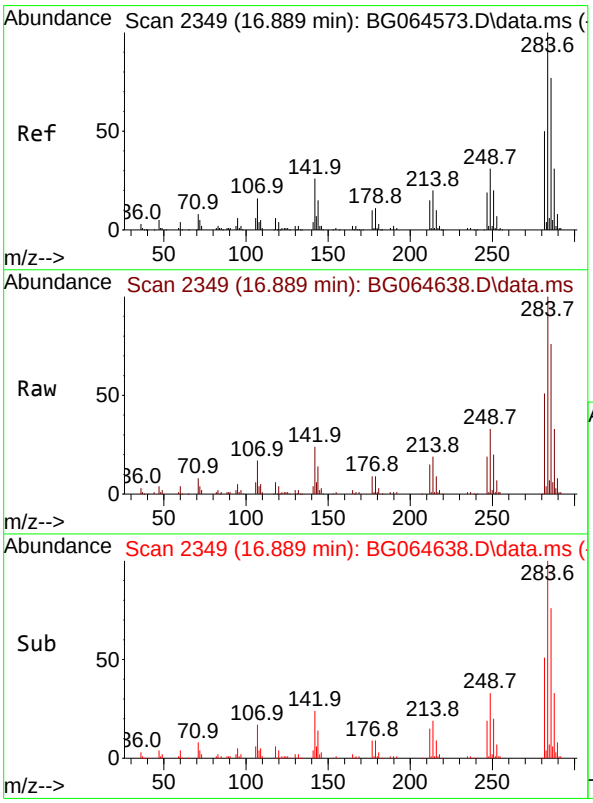
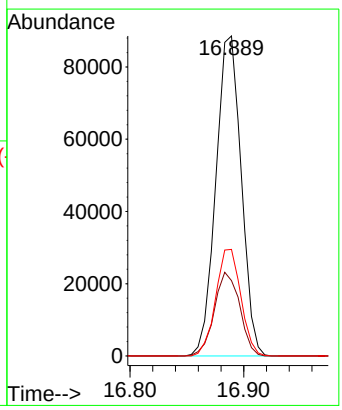
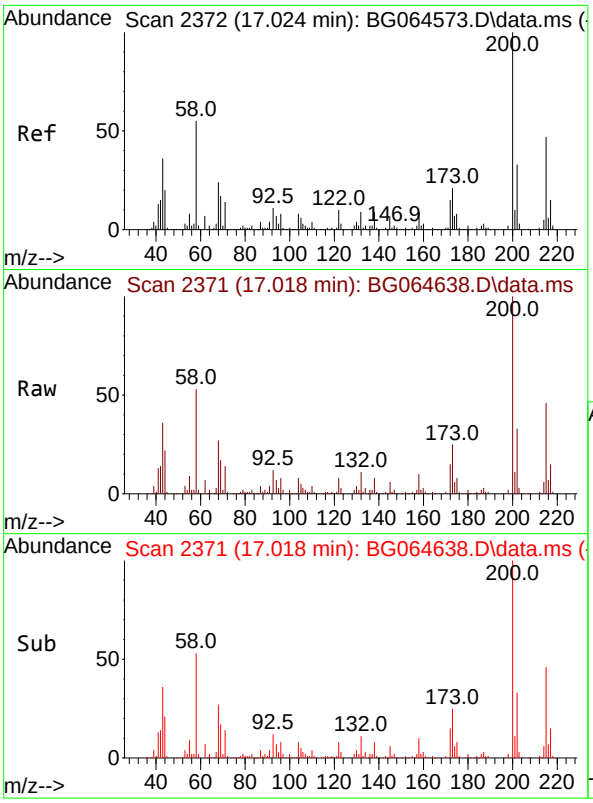


#68
Hexachlorobenzene
Concen: 41.805 ng
RT: 16.889 min Scan# 2349
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:284 Resp: 137259

Ion	Ratio	Lower	Upper
284	100		
142	23.5	21.0	31.6
249	33.3	24.9	37.3

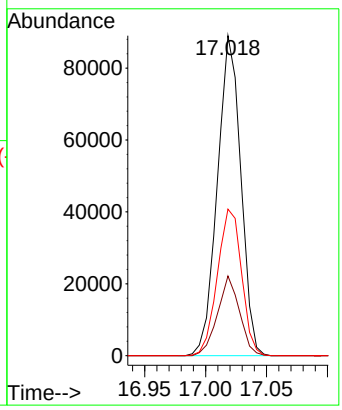




#69
Atrazine
Concen: 42.139 ng
RT: 17.018 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:200 Resp: 11896

Ion	Ratio	Lower	Upper
200	100		
173	24.9	0.9	40.9
215	45.8	27.0	67.0



Instrument :
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ClientSampleId :
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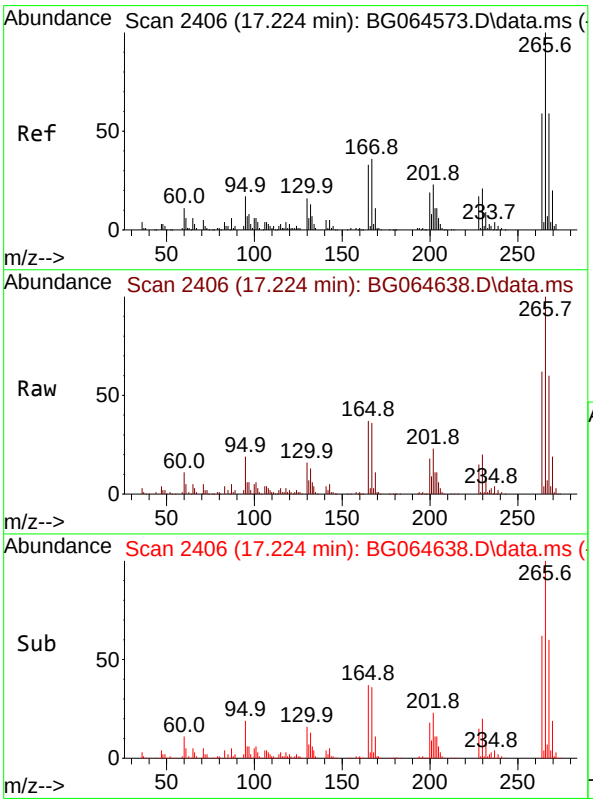
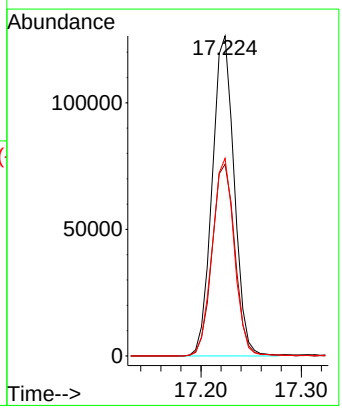
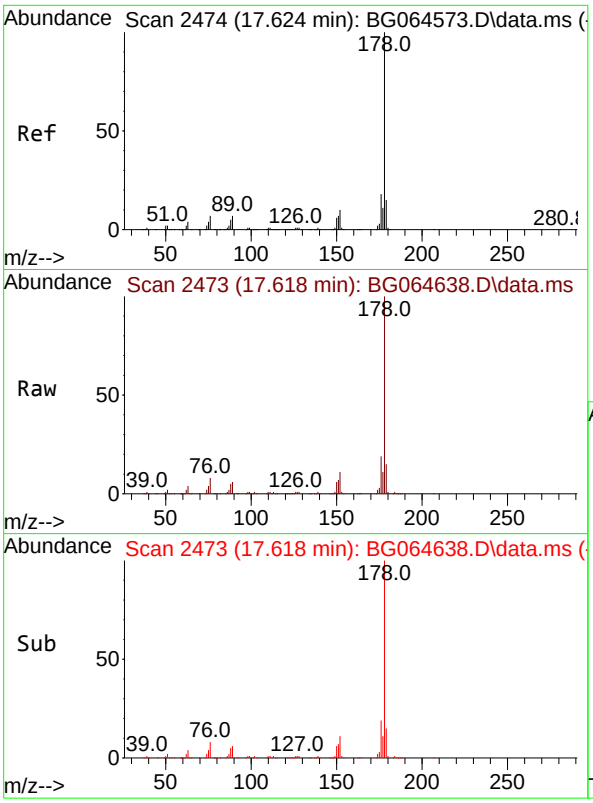


#70
Pentachlorophenol
Concen: 93.775 ng
RT: 17.224 min Scan# 2406
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:266 Resp: 191995

Ion	Ratio	Lower	Upper
266	100		
268	64.1	50.3	75.5
264	61.8	47.3	70.9

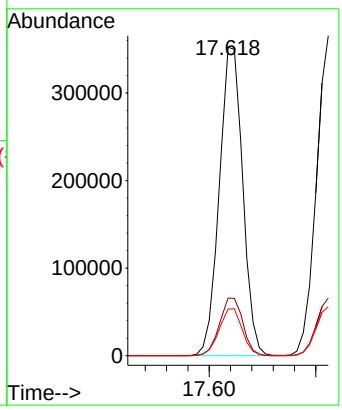




#71
Phenanthrene
Concen: 40.428 ng
RT: 17.618 min Scan# 24
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:178 Resp: 53691

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.1	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
PB170286BS

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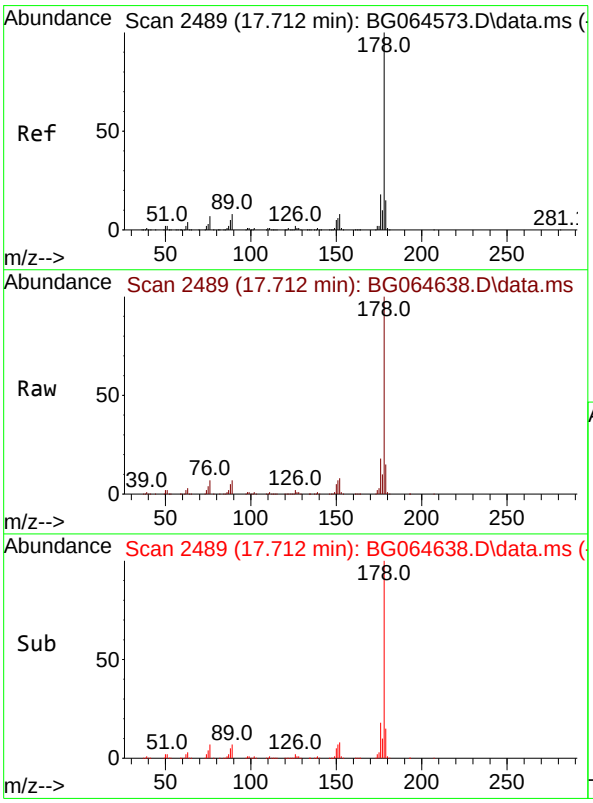
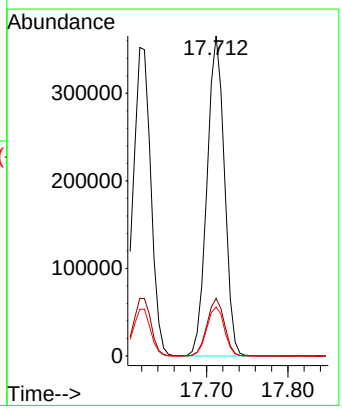
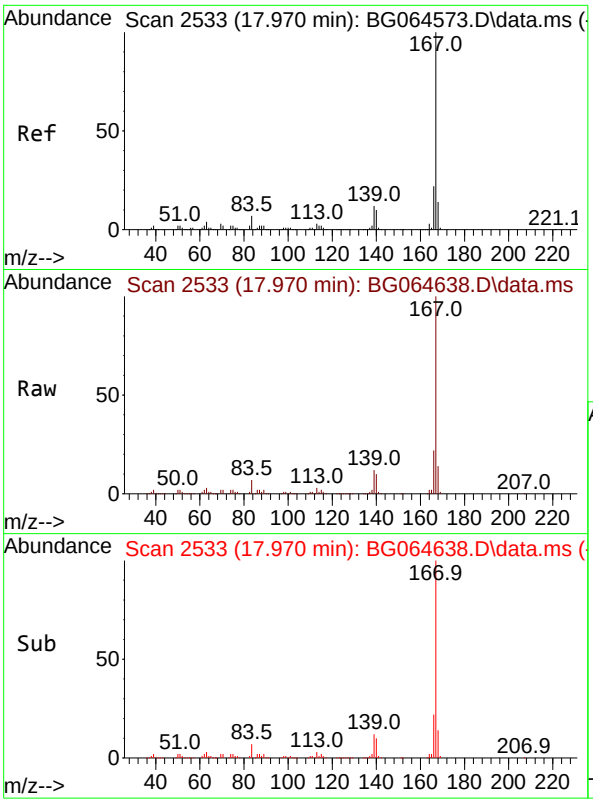


#72
Anthracene
Concen: 40.216 ng
RT: 17.712 min Scan# 2489
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:178 Resp: 543314

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.4	21.6
179	15.3	12.4	18.6

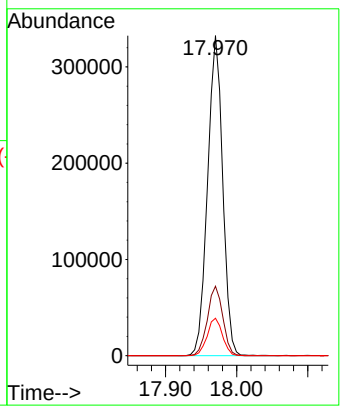




#73
Carbazole
Concen: 41.286 ng
RT: 17.970 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:167 Resp: 49185

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.9	26.9
139	11.7	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
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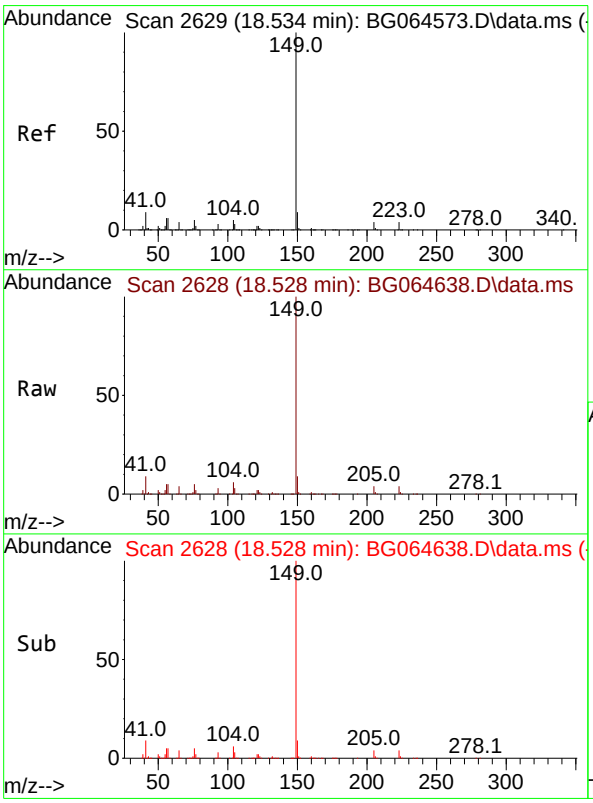
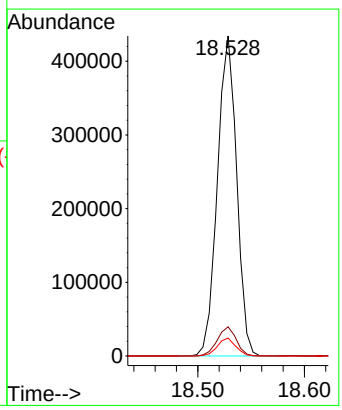
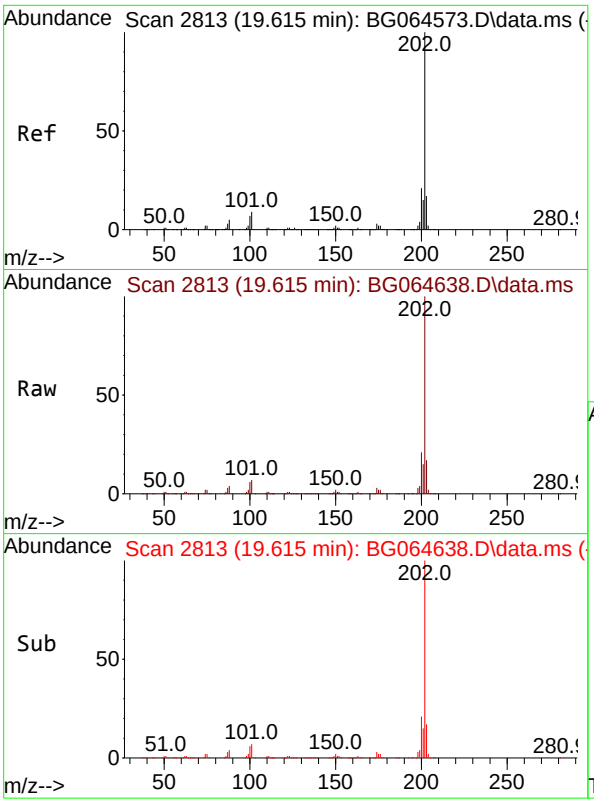


#74
Di-n-butylphthalate
Concen: 39.438 ng
RT: 18.528 min Scan# 2628
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:149 Resp: 543306

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.0	10.6
104	5.6	4.1	6.1

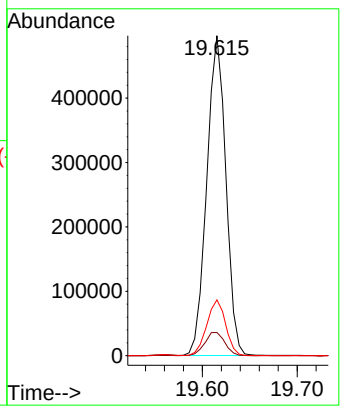




#75
Fluoranthene
Concen: 41.581 ng
RT: 19.615 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:202 Resp: 69181

Ion	Ratio	Lower	Upper
202	100		
101	7.3	0.0	28.7
203	17.4	0.0	37.0



Instrument :
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ClientSampleId :
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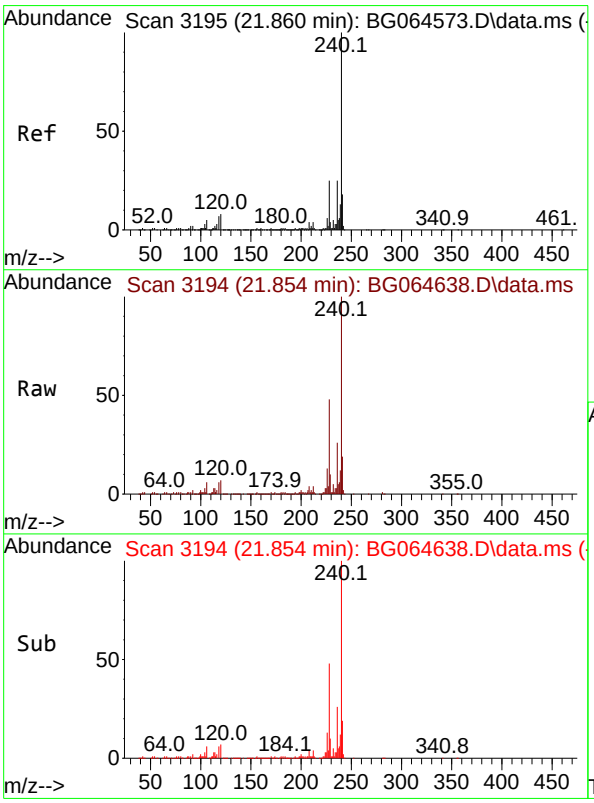
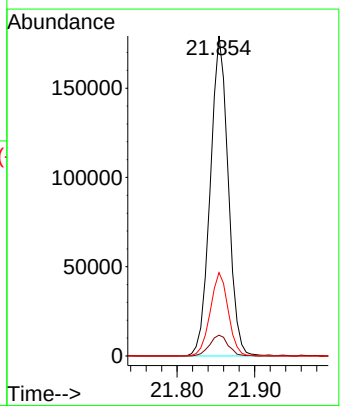
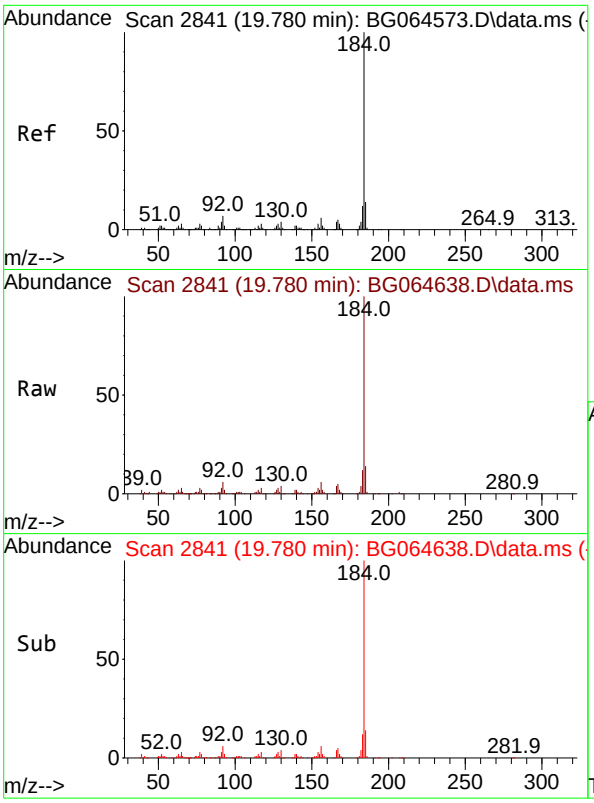


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3194
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:240 Resp: 288177

Ion	Ratio	Lower	Upper
240	100		
120	6.5	6.5	9.7
236	26.1	20.2	30.2

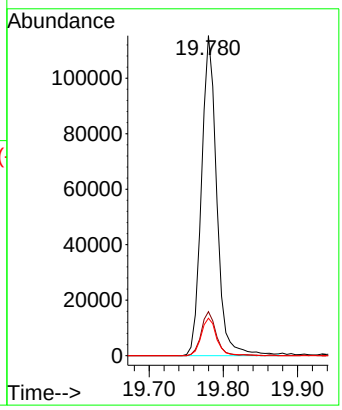




#77
Benzidine
Concen: 25.613 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:184 Resp: 16536

Ion	Ratio	Lower	Upper
184	100		
185	13.8	11.4	17.2
183	11.7	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
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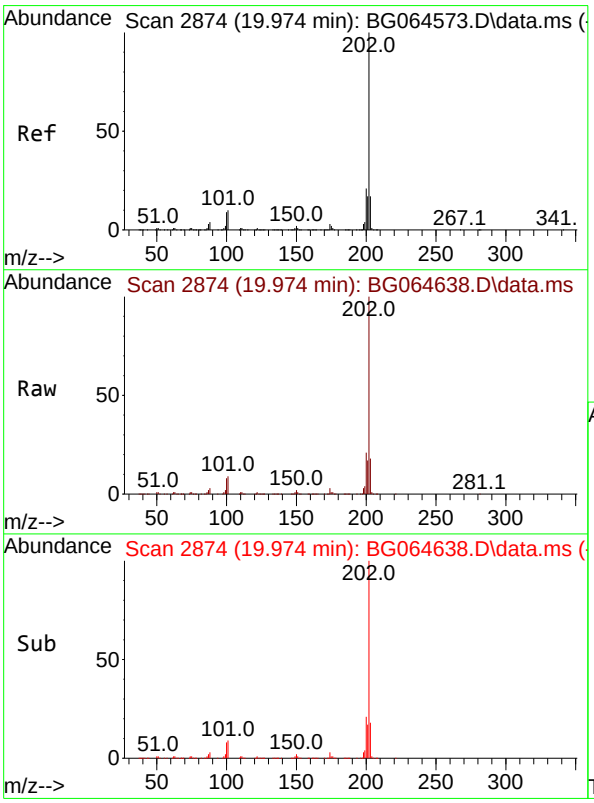
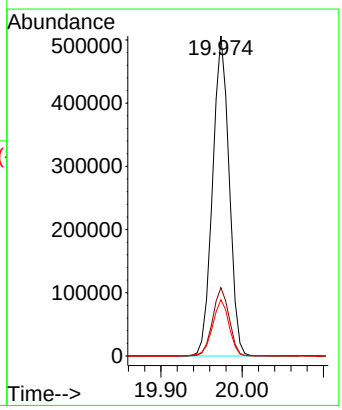
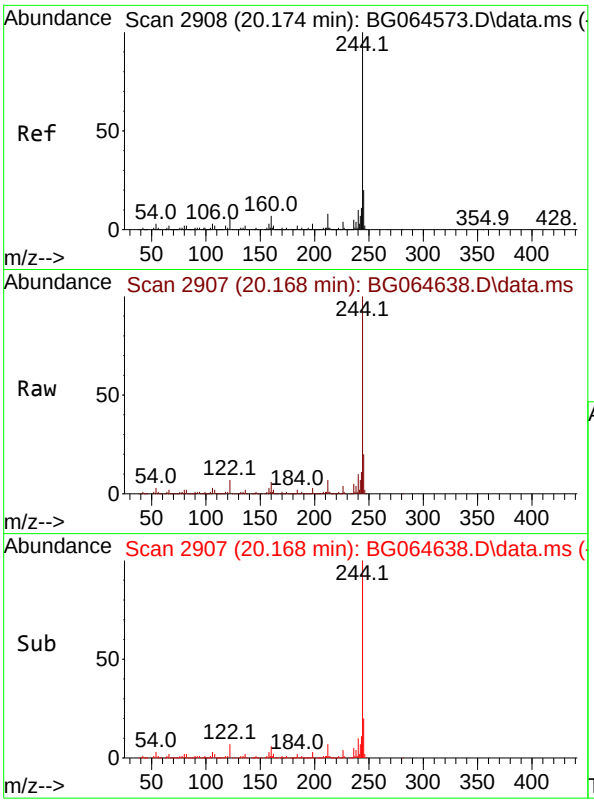


#78
Pyrene
Concen: 38.023 ng
RT: 19.974 min Scan# 2874
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:202 Resp: 715895

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	17.6	13.8	20.6

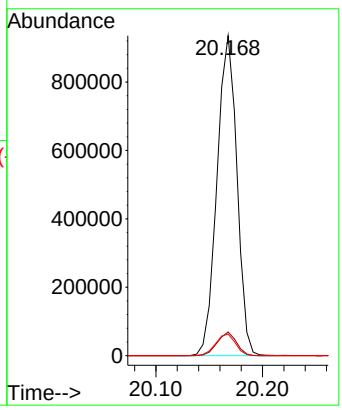




#79
Terphenyl-d14
Concen: 79.462 ng
RT: 20.168 min Scan# 2
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:244 Resp: 121341

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.1	9.1
122	6.8	5.6	8.4

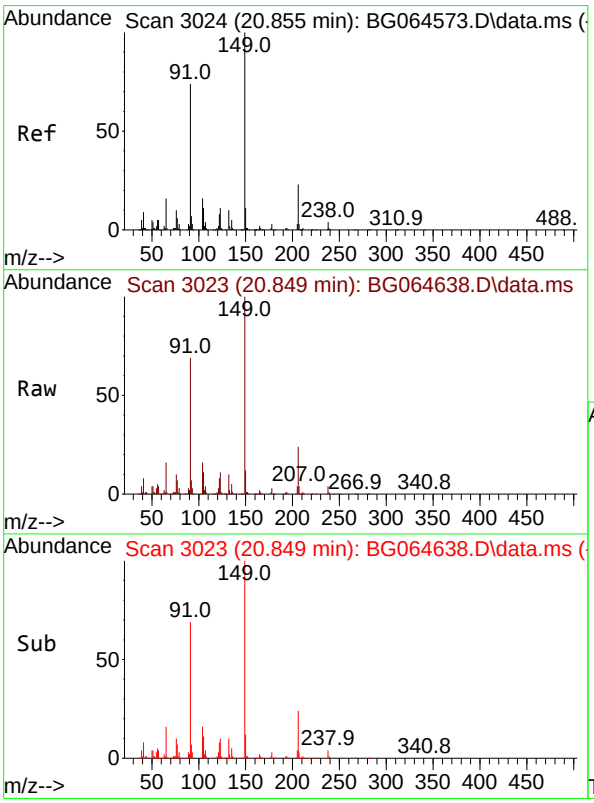


Instrument :
BNA_G
ClientSampleId :
PB170286BS

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

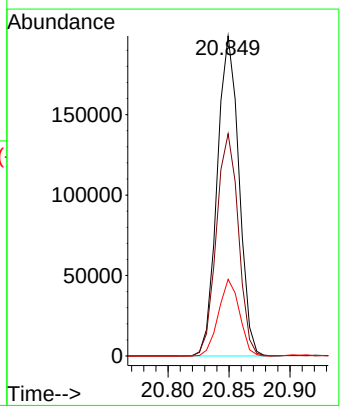
Supervised By :mohammad ahmed
11/05/2025

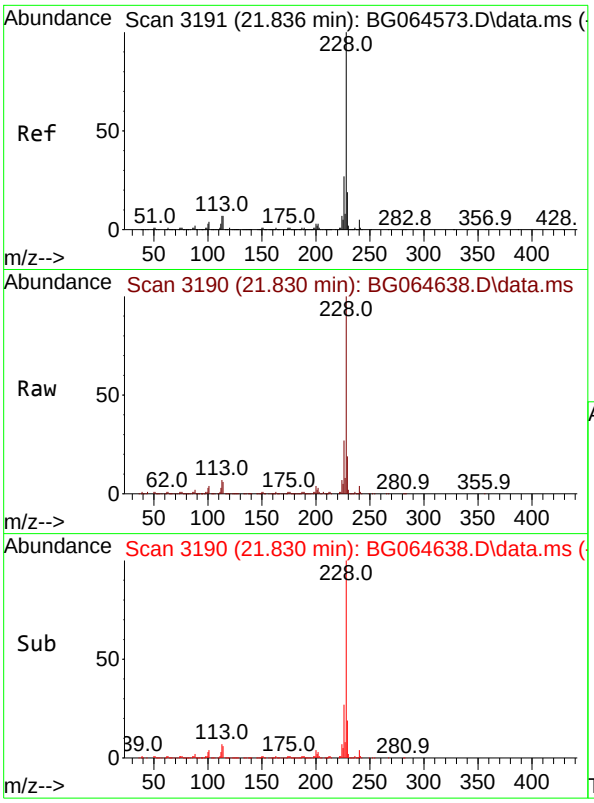


#80
Butylbenzylphthalate
Concen: 43.371 ng
RT: 20.849 min Scan# 3023
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:149 Resp: 246800

Ion	Ratio	Lower	Upper
149	100		
91	69.4	59.2	88.8
206	23.9	18.1	27.1

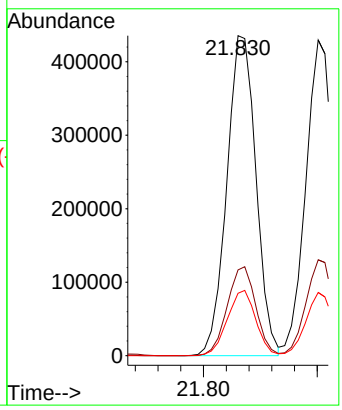




#81
Benzo(a)anthracene
Concen: 40.666 ng
RT: 21.830 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:228 Resp: 77704

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.9	32.9
229	19.5	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
PB170286BS

Manual Integrations
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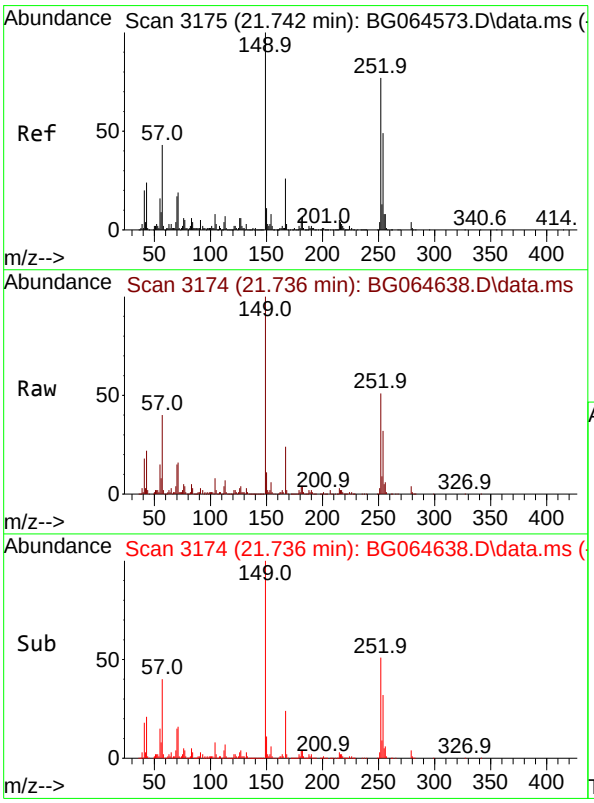
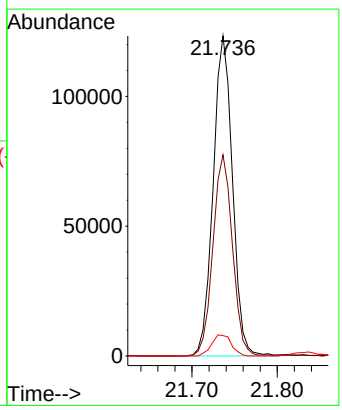
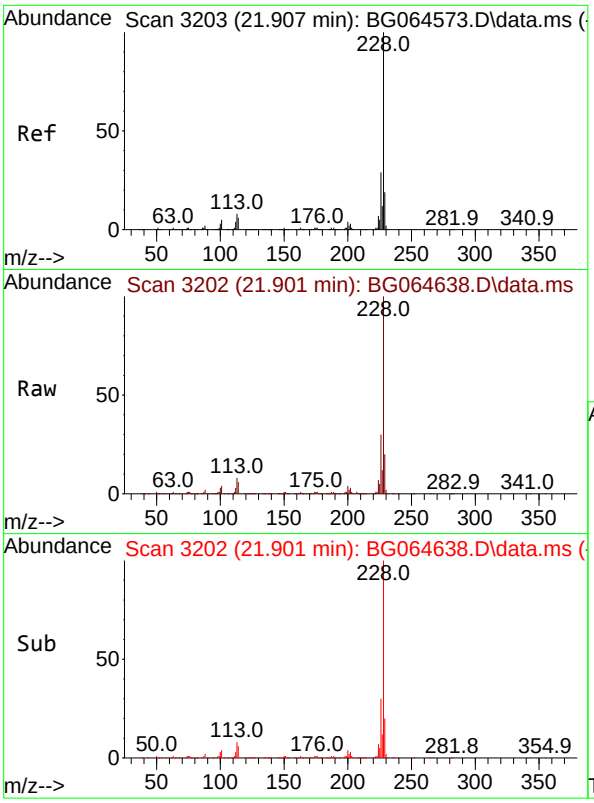


#82
3,3'-Dichlorobenzidine
Concen: 30.468 ng
RT: 21.736 min Scan# 3174
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:252 Resp: 194405

Ion	Ratio	Lower	Upper
252	100		
254	62.9	50.8	76.2
126	6.3	5.8	8.6

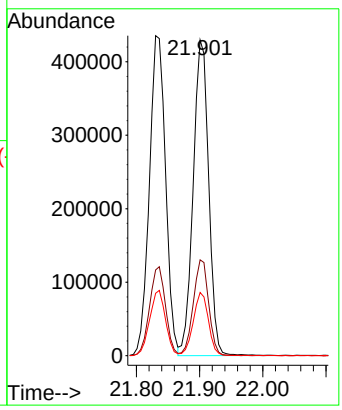




#83
Chrysene
Concen: 40.161 ng
RT: 21.901 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:228 Resp: 73018

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.3	34.9
229	20.0	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
PB170286BS

Manual Integrations
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Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

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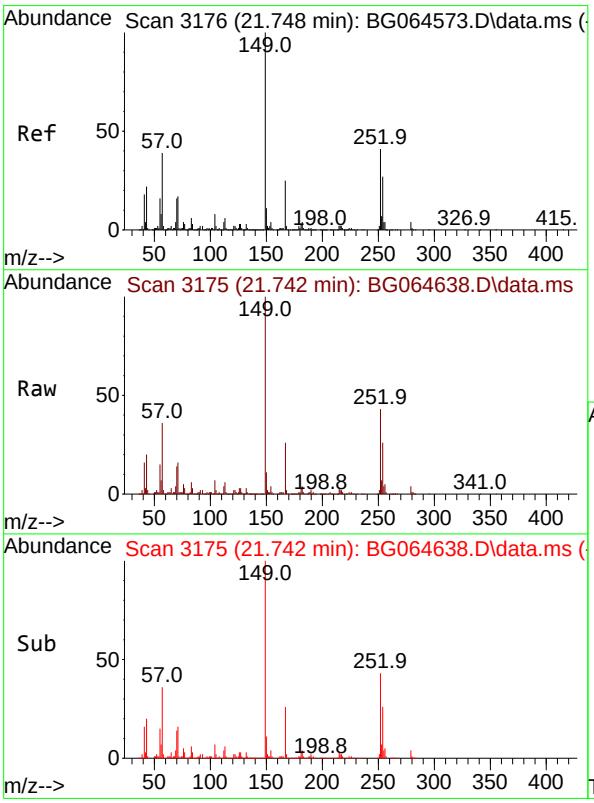
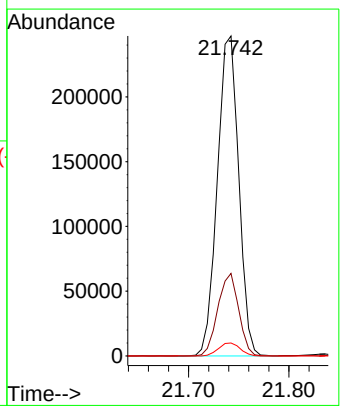
11/05/2025

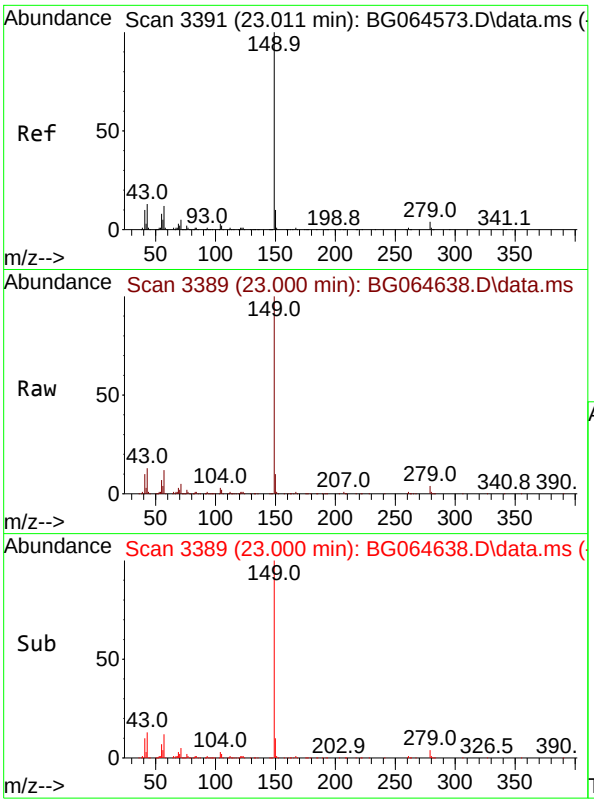


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.916 ng
RT: 21.742 min Scan# 3175
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:149 Resp: 364913

Ion	Ratio	Lower	Upper
149	100		
167	25.8	20.0	30.0
279	4.1	3.1	4.7

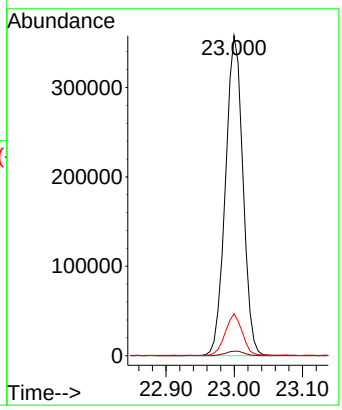




#85
Di-n-octyl phthalate
Concen: 44.506 ng
RT: 23.000 min Scan# 3
Delta R.T. -0.012 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:149 Resp: 63803

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.7	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
PB170286BS

Manual Integrations
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Reviewed By :Jagrut Upadhyay 11/04/2025
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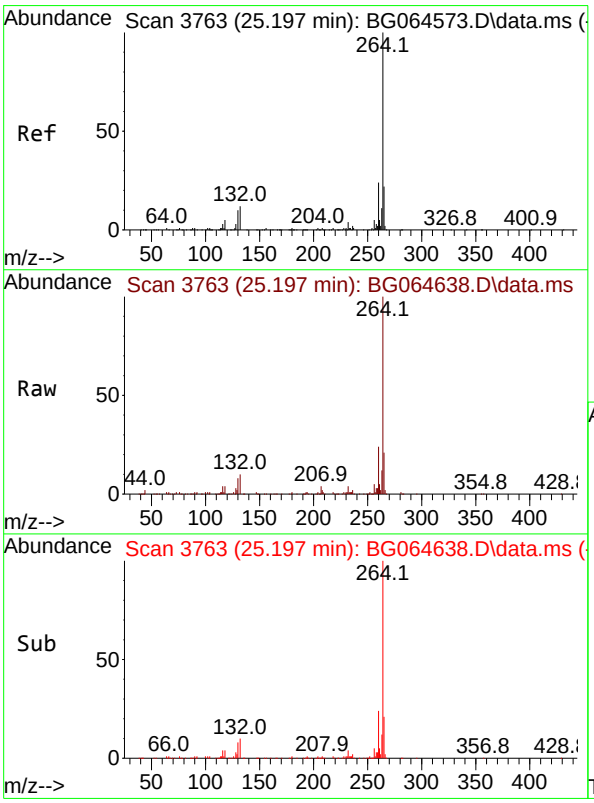
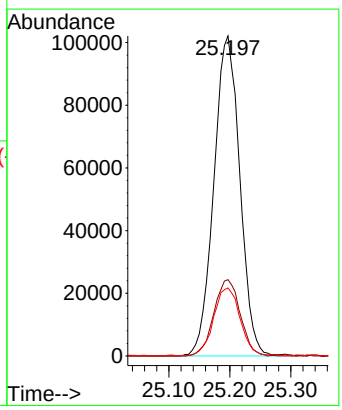
11/05/2025

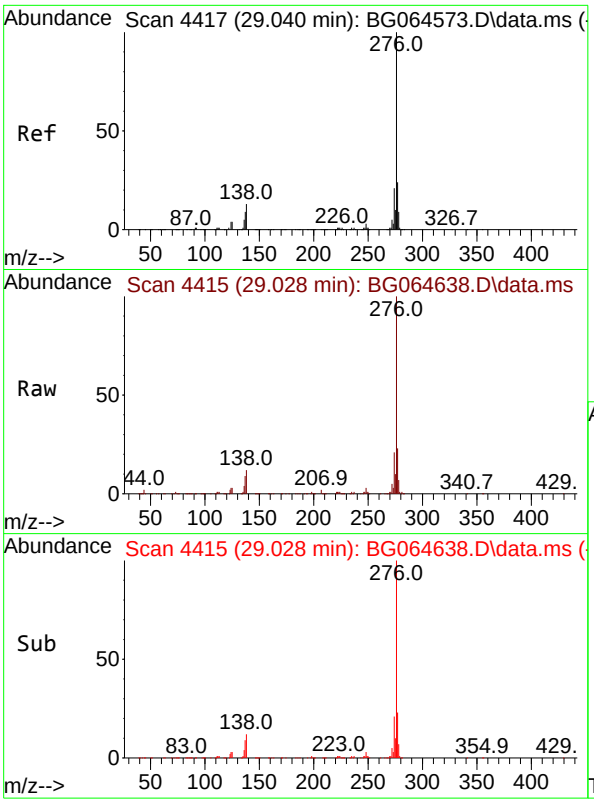


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.197 min Scan# 3763
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:264 Resp: 302049

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.2	17.6	26.4

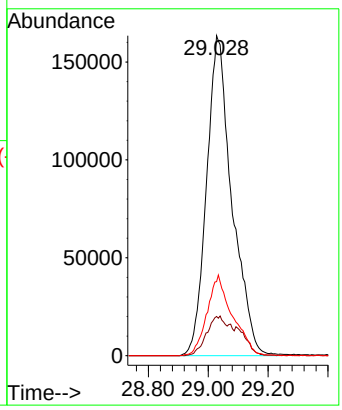




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.302 ng
RT: 29.028 min Scan# 4
Delta R.T. -0.012 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:276 Resp: 96216

Ion	Ratio	Lower	Upper
276	100		
138	9.2	10.8	16.2
277	25.2	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
PB170286BS

Manual Integrations
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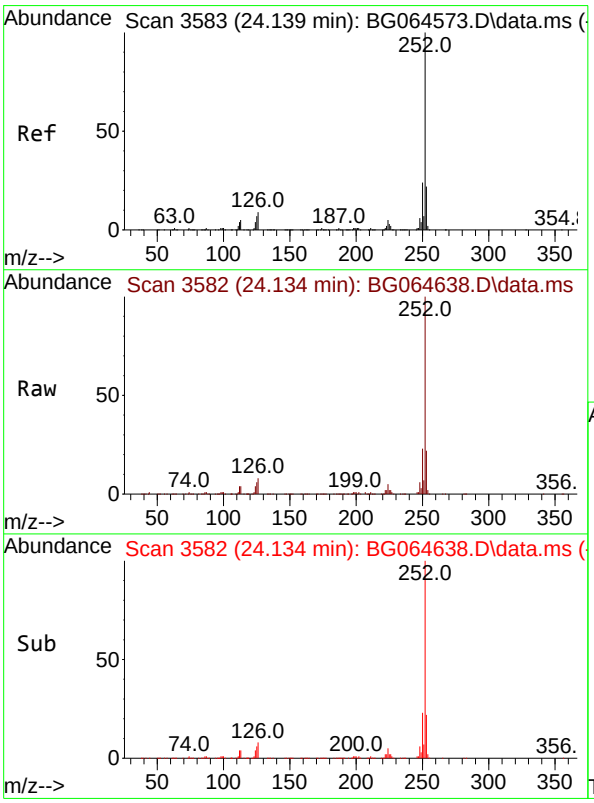
Supervised By :mohammad ahmed 11/05/2025

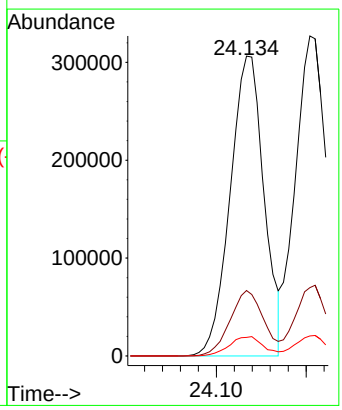
Supervised By :mohammad ahmed
11/05/2025

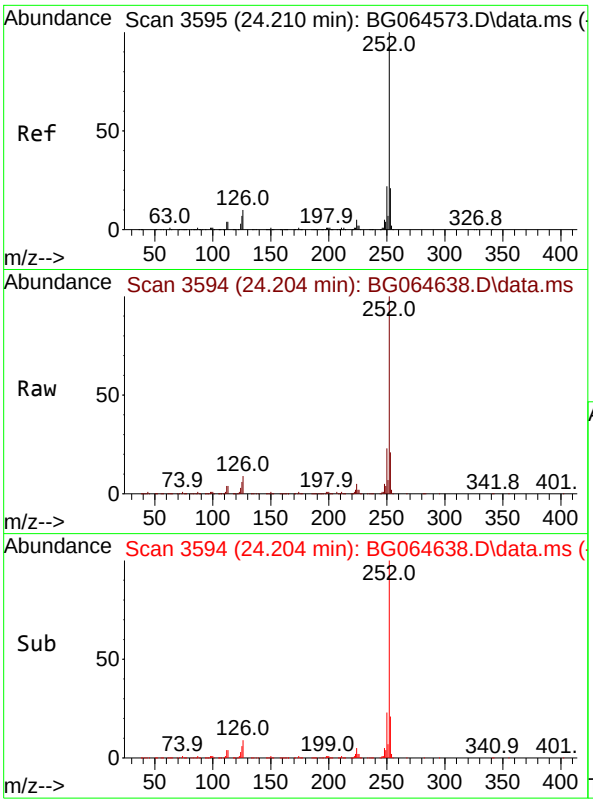


#88
Benzo(b)fluoranthene
Concen: 43.290 ng
RT: 24.134 min Scan# 3582
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:252 Resp: 801805

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	6.2	5.6	8.4

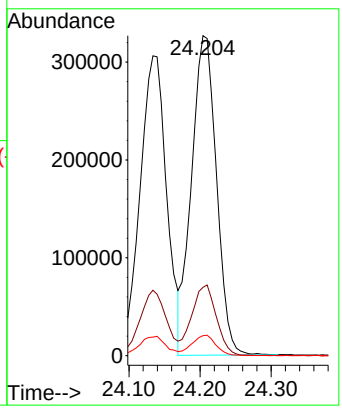




#89
Benzo(k)fluoranthene
Concen: 43.067 ng
RT: 24.204 min Scan# 3
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:252 Resp: 79821

Ion	Ratio	Lower	Upper
252	100		
253	21.4	16.8	25.2
125	6.3	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
PB170286BS

Manual Integrations
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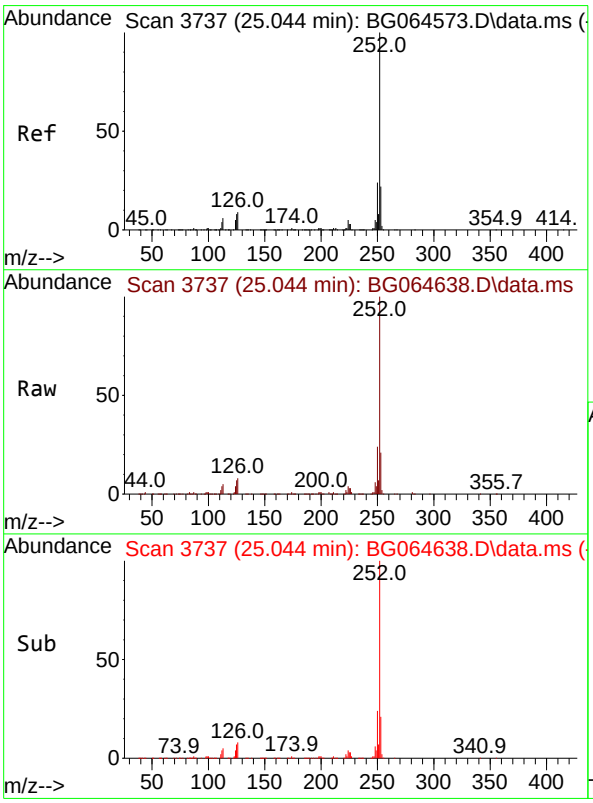
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

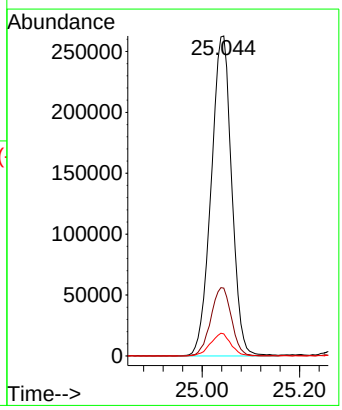
Supervised By :mohammad ahmed
11/05/2025

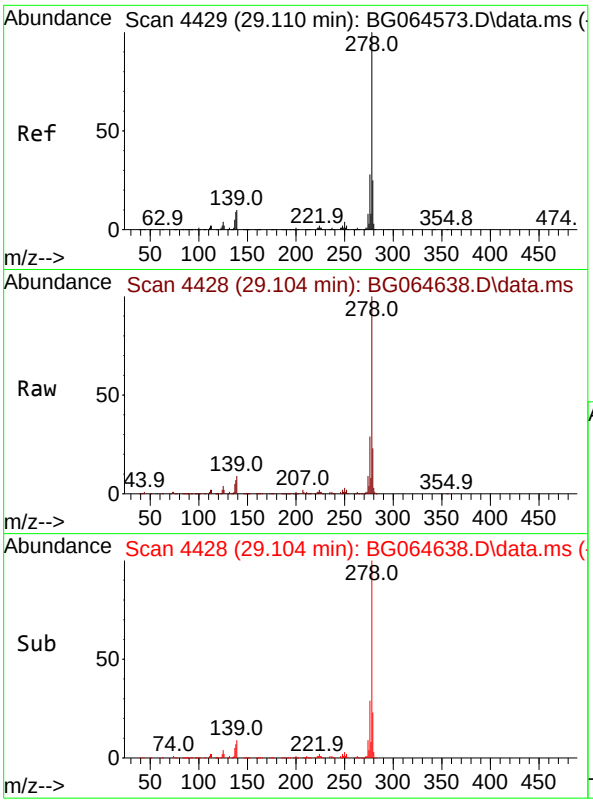


#90
Benzo(a)pyrene
Concen: 45.132 ng
RT: 25.044 min Scan# 3737
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:252 Resp: 768387

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.6	26.4
125	6.9	6.1	9.1

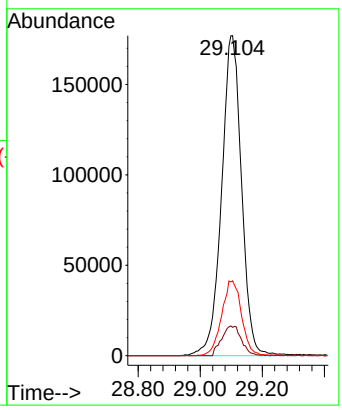




#91
Dibenzo(a,h)anthracene
Concen: 43.720 ng
RT: 29.104 min Scan# 44
Delta R.T. -0.006 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:278 Resp: 78922

Ion	Ratio	Lower	Upper
278	100		
139	8.8	8.0	12.0
279	23.4	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
PB170286BS

Manual Integrations
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Reviewed By :Jagrut Upadhyay 11/04/2025
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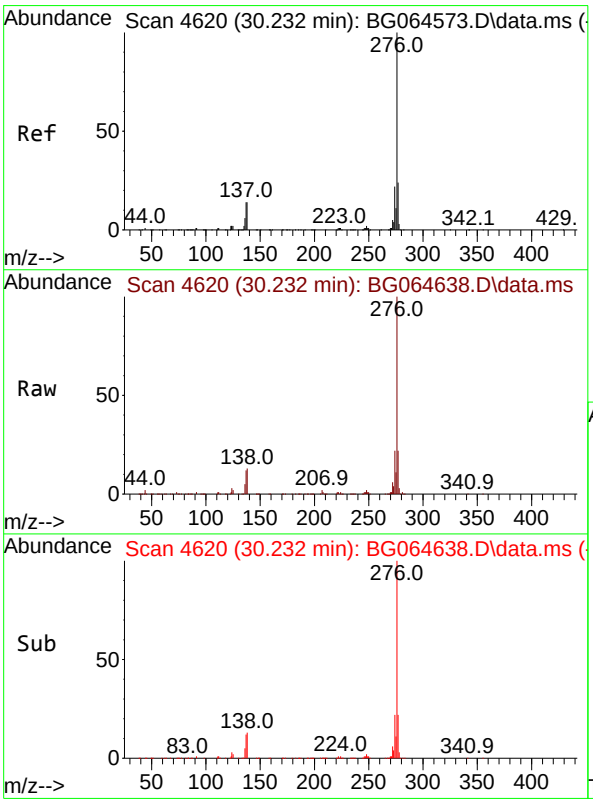
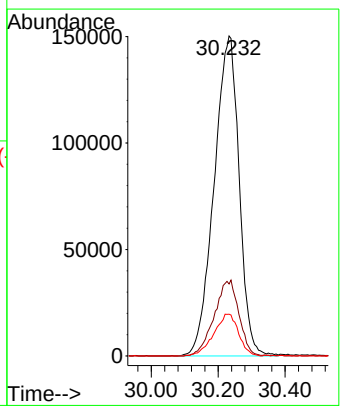
11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 45.214 ng
RT: 30.232 min Scan# 4620
Delta R.T. -0.000 min
Lab File: BG064638.D
Acq: 30 Oct 2025 12:58

Tgt Ion:276 Resp: 779694

Ion	Ratio	Lower	Upper
276	100		
277	22.5	19.1	28.7
138	13.1	11.3	16.9



Raw Data: **BG064639.D**

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

Report of Analysis

Client:	LiRo Engineers, Inc.			Date Collected:	
Project:	RFK Bridge RMB-Randall Island			Date Received:	
Client Sample ID:	PB170286BSD			SDG No.:	Q3468
Lab Sample ID:	PB170286BSD			Matrix:	Water
Analytical Method:	8270E	Level:	LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol:	1000 uL	Test:	SVOCMS Group1
Prep Method :	3510C	Prep Date:	10/28/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
208-96-8	Acenaphthylene	44.5		1	0.75	5.00	ug/L	10/30/25 13:39	PB170286
83-32-9	Acenaphthene	45.3		1	0.55	5.00	ug/L	10/30/25 13:39	PB170286
86-73-7	Fluorene	40.0		1	0.63	5.00	ug/L	10/30/25 13:39	PB170286
85-01-8	Phenanthrene	40.3		1	0.50	5.00	ug/L	10/30/25 13:39	PB170286
120-12-7	Anthracene	40.1		1	0.61	5.00	ug/L	10/30/25 13:39	PB170286
206-44-0	Fluoranthene	41.3		1	0.82	5.00	ug/L	10/30/25 13:39	PB170286
129-00-0	Pyrene	37.9		1	0.50	5.00	ug/L	10/30/25 13:39	PB170286
56-55-3	Benzo(a)anthracene	40.7		1	0.45	5.00	ug/L	10/30/25 13:39	PB170286
218-01-9	Chrysene	40.5		1	0.44	5.00	ug/L	10/30/25 13:39	PB170286
205-99-2	Benzo(b)fluoranthene	43.9		1	0.49	5.00	ug/L	10/30/25 13:39	PB170286
207-08-9	Benzo(k)fluoranthene	43.0		1	0.48	5.00	ug/L	10/30/25 13:39	PB170286
50-32-8	Benzo(a)pyrene	44.8		1	0.55	5.00	ug/L	10/30/25 13:39	PB170286
193-39-5	Indeno(1,2,3-cd)pyrene	43.3		1	0.59	5.00	ug/L	10/30/25 13:39	PB170286
53-70-3	Dibenzo(a,h)anthracene	44.4		1	0.67	5.00	ug/L	10/30/25 13:39	PB170286
191-24-2	Benzo(g,h,i)perylene	44.6		1	0.69	5.00	ug/L	10/30/25 13:39	PB170286
SURROGATES									
4165-60-0	Nitrobenzene-d5	97.0			67 - 132	97%	SPK: 100		
321-60-8	2-Fluorobiphenyl	79.8			52 - 132	80%	SPK: 100		
1718-51-0	Terphenyl-d14	80.6			42 - 152	81%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	30200							
1146-65-2	Naphthalene-d8	122000							
15067-26-2	Acenaphthene-d10	101000							
1517-22-2	Phenanthrene-d10	246000							
1719-03-5	Chrysene-d12	289000							
1520-96-3	Perylene-d12	302000							

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: **BG064639.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064639.D
Acq On : 30 Oct 2025 13:39
Operator : RC/JU
Sample : PB170286BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 04 04:25:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170286BSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.218	152	30191	20.000	ng		0.00
21) Naphthalene-d8	11.044	136	121649	20.000	ng		0.00
39) Acenaphthene-d10	14.839	164	100532	20.000	ng		0.00
64) Phenanthrene-d10	17.577	188	246375	20.000	ng		0.00
76) Chrysene-d12	21.855	240	288758	20.000	ng		0.00
86) Perylene-d12	25.192	264	302411	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.750	112	220132	122.384	ng		0.00
7) Phenol-d6	7.354	99	301103	121.994	ng		0.00
23) Nitrobenzene-d5	9.381	82	196502	97.020	ng		0.00
42) 2,4,6-Tribromophenol	16.320	330	207601	143.076	ng		0.00
45) 2-Fluorobiphenyl	13.470	172	529120	79.777	ng		0.00
79) Terphenyl-d14	20.168	244	1233810	80.635	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.582	88	25147	31.579	ng		92
3) Pyridine	3.987	79	72694	30.398	ng		98
4) n-Nitrosodimethylamine	3.899	42	52092	40.620	ng		98
6) Aniline	7.530	93	87639	26.094	ng		97
8) 2-Chlorophenol	7.777	128	80216	42.607	ng		98
9) Benzaldehyde	7.336	77	17308	12.845	ng		88
10) Phenol	7.383	94	110417	40.452	ng		94
11) bis(2-Chloroethyl)ether	7.618	93	73580	36.664	ng		98
12) 1,3-Dichlorobenzene	8.106	146	83501	38.535	ng		100
13) 1,4-Dichlorobenzene	8.253	146	86307	39.171	ng		98
14) 1,2-Dichlorobenzene	8.576	146	87499	41.173	ng		98
15) Benzyl Alcohol	8.447	79	85819	42.165	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.740	45	194319	36.913	ng		98
17) 2-Methylphenol	8.652	107	75318	41.559	ng		95
18) Hexachloroethane	9.316	117	32767	42.378	ng		94
19) n-Nitroso-di-n-propyla...	9.022	70	68699	40.275	ng		99
20) 3+4-Methylphenols	8.975	107	103473	40.599	ng		96
22) Acetophenone	9.040	105	141859	42.659	ng		94
24) Nitrobenzene	9.422	77	99379	45.113	ng		93
25) Isophorone	9.951	82	189958	39.086	ng		98
26) 2-Nitrophenol	10.145	139	43956	51.473	ng	#	94
27) 2,4-Dimethylphenol	10.192	122	86068	47.610	ng		98
28) bis(2-Chloroethoxy)met...	10.433	93	109620	39.615	ng		99
29) 2,4-Dichlorophenol	10.679	162	89329	45.915	ng		98
30) 1,2,4-Trichlorobenzene	10.903	180	98058	44.360	ng		99
31) Naphthalene	11.097	128	265592	39.378	ng		98
32) Benzoic acid	10.309	122	68669	49.533	ng		94
33) 4-Chloroaniline	11.191	127	55506	21.173	ng		97
34) Hexachlorobutadiene	11.384	225	74494	43.092	ng		96
35) Caprolactam	11.943	113	30084m	40.317	ng		
36) 4-Chloro-3-methylphenol	12.289	107	102058	43.642	ng		99
37) 2-Methylnaphthalene	12.689	142	180411	36.433	ng		98
38) 1-Methylnaphthalene	12.900	142	192239	39.215	ng		92
40) 1,2,4,5-Tetrachloroben...	13.047	216	142310	42.179	ng		99
41) Hexachlorocyclopentadiene	13.035	237	175492	115.560	ng		98
43) 2,4,6-Trichlorophenol	13.276	196	89394	46.320	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064639.D
Acq On : 30 Oct 2025 13:39
Operator : RC/JU
Sample : PB170286BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 04 04:25:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170286BSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.347	196	100082	44.938	ng		99
46) 1,1'-Biphenyl	13.682	154	293305	41.038	ng		98
47) 2-Chloronaphthalene	13.723	162	209827	38.894	ng		97
48) 2-Nitroaniline	13.911	65	82776	45.859	ng		91
49) Acenaphthylene	14.563	152	378803	44.515	ng		98
50) Dimethylphthalate	14.287	163	308978	40.165	ng		98
51) 2,6-Dinitrotoluene	14.399	165	62233	48.961	ng		98
52) Acenaphthene	14.904	154	263186	45.269	ng		98
53) 3-Nitroaniline	14.722	138	43752	33.095	ng		99
54) 2,4-Dinitrophenol	14.927	184	87034	109.532	ng	#	48
55) Dibenzofuran	15.239	168	373821	39.772	ng		99
56) 4-Nitrophenol	15.021	139	117470	95.838	ng		95
57) 2,4-Dinitrotoluene	15.180	165	93928	47.869	ng	#	100
58) Fluorene	15.885	166	293455	39.978	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.456	232	106145	49.841	ng		99
60) Diethylphthalate	15.644	149	304241	38.734	ng		98
61) 4-Chlorophenyl-phenyle...	15.873	204	165276	40.121	ng		98
62) 4-Nitroaniline	15.885	138	69573	47.304	ng		94
63) Azobenzene	16.161	77	277544	38.511	ng		97
65) 4,6-Dinitro-2-methylph...	15.944	198	60745	55.123	ng		95
66) n-Nitrosodiphenylamine	16.079	169	278158	41.795	ng		98
67) 4-Bromophenyl-phenylether	16.766	248	120639	41.320	ng		98
68) Hexachlorobenzene	16.890	284	137499	41.281	ng		96
69) Atrazine	17.019	200	120979	42.241	ng		94
70) Pentachlorophenol	17.225	266	193782	93.297	ng		89
71) Phenanthrene	17.618	178	542808	40.288	ng		99
72) Anthracene	17.712	178	549560	40.098	ng		99
73) Carbazole	17.971	167	499007	41.289	ng		100
74) Di-n-butylphthalate	18.529	149	547593	39.182	ng		99
75) Fluoranthene	19.616	202	696333	41.256	ng		98
77) Benzidine	19.780	184	166962	25.808	ng		99
78) Pyrene	19.974	202	715626	37.932	ng		99
80) Butylbenzylphthalate	20.850	149	246906	43.302	ng		100
81) Benzo(a)anthracene	21.831	228	779257	40.700	ng		100
82) 3,3'-Dichlorobenzidine	21.737	252	198719	31.081	ng		97
83) Chrysene	21.901	228	737890	40.503	ng		99
84) Bis(2-ethylhexyl)phtha...	21.737	149	360268	42.284	ng		100
85) Di-n-octyl phthalate	23.000	149	636901	44.338	ng		98
87) Indeno(1,2,3-cd)pyrene	29.028	276	964238	43.344	ng	#	97
88) Benzo(b)fluoranthene	24.134	252	814847	43.942	ng		100
89) Benzo(k)fluoranthene	24.205	252	798463	43.029	ng		99
90) Benzo(a)pyrene	25.039	252	763198	44.774	ng		99
91) Dibenzo(a,h)anthracene	29.099	278	802843	44.421	ng		99
92) Benzo(g,h,i)perylene	30.221	276	770738	44.641	ng		98

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

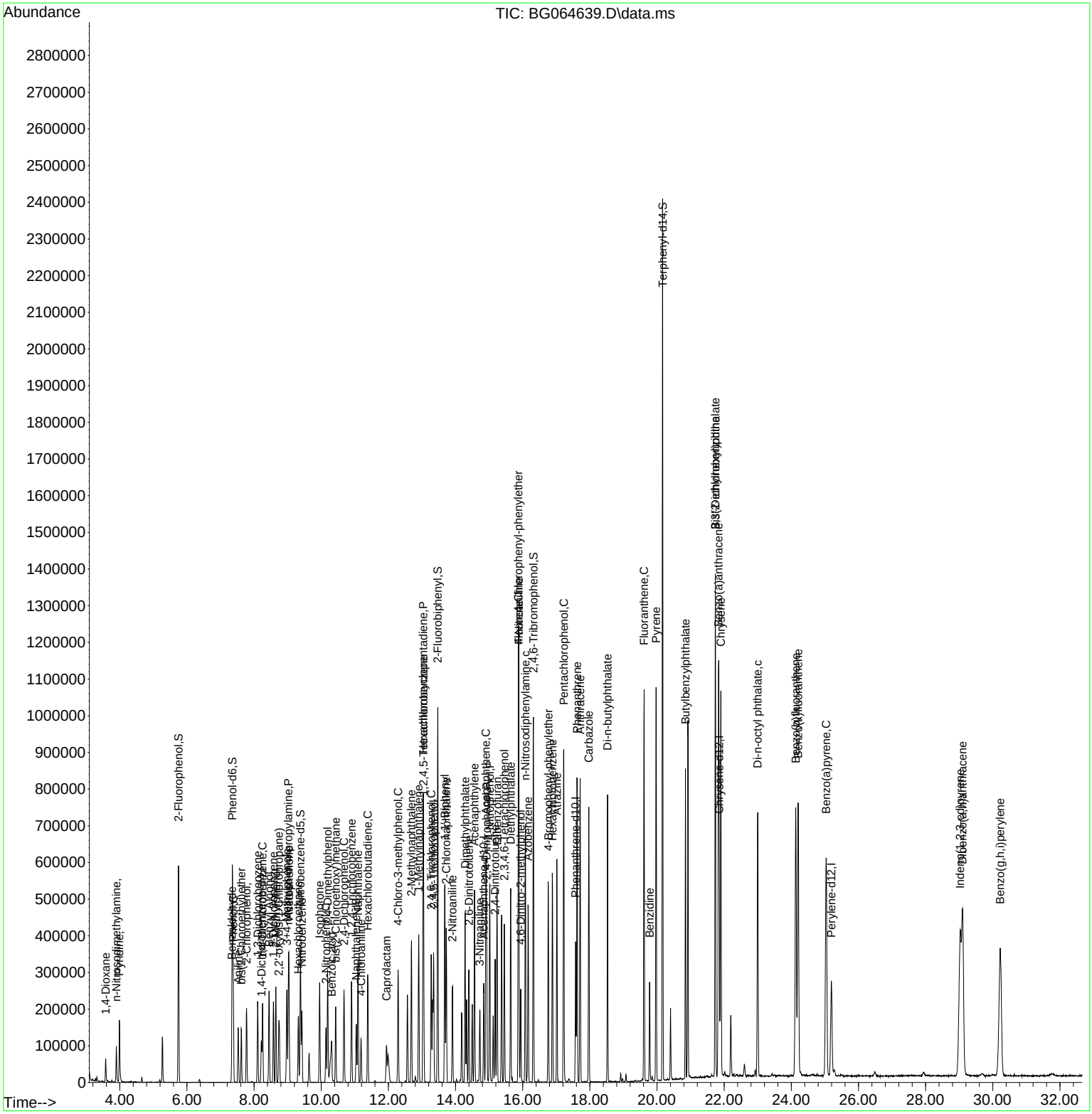
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG103025\
Data File : BG064639.D
Acq On : 30 Oct 2025 13:39
Operator : RC/JU
Sample : PB170286BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

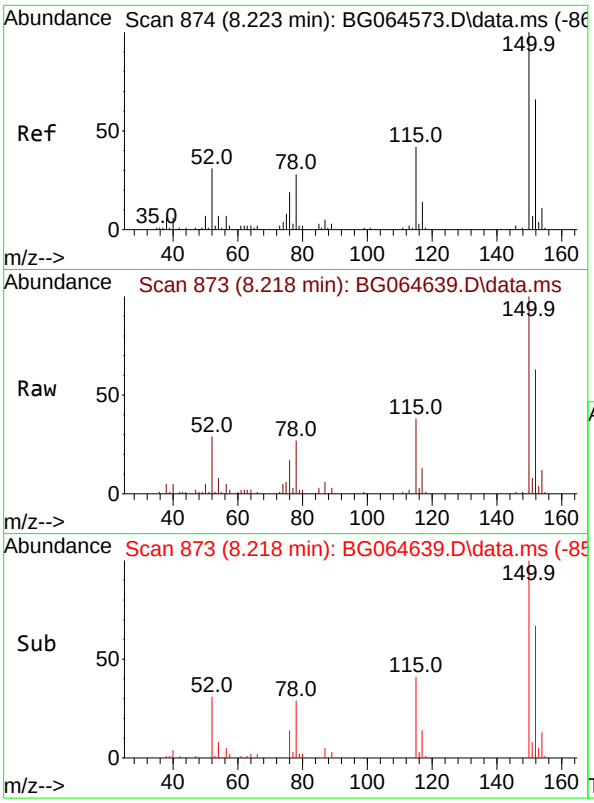
Quant Time: Nov 04 04:25:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Nov 03 18:16:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB170286BSD

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

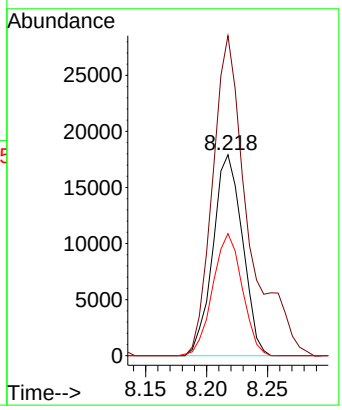




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:152 Resp: 3019

Ion	Ratio	Lower	Upper
152	100		
150	159.2	122.2	183.4
115	60.7	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
PB170286BSD

Manual Integrations
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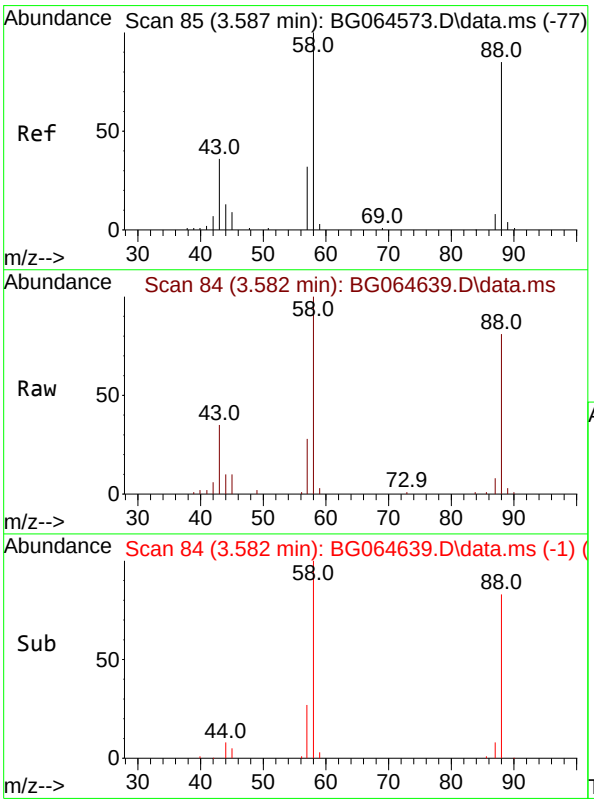
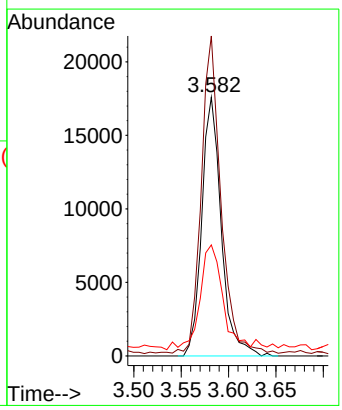
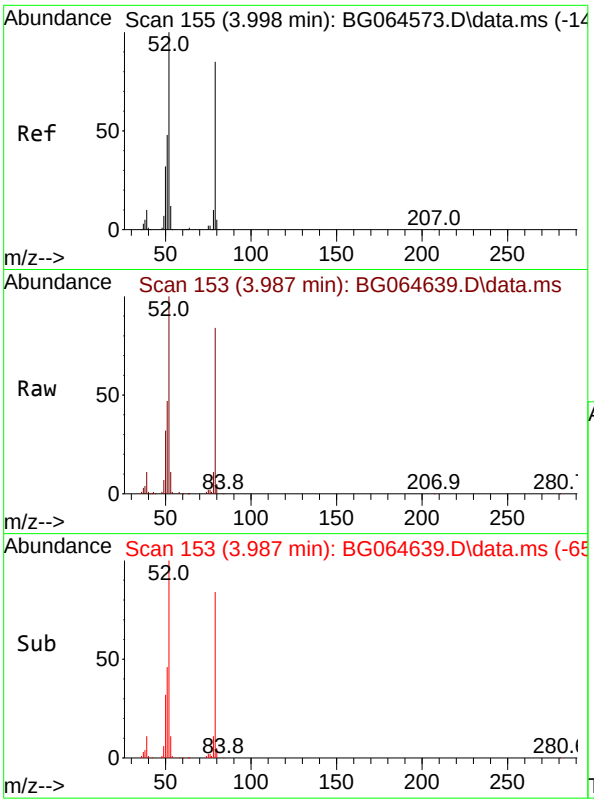


#2
1,4-Dioxane
Concen: 31.579 ng
RT: 3.582 min Scan# 84
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion: 88 Resp: 25147

Ion	Ratio	Lower	Upper
88	100		
58	122.9	92.4	138.6
43	47.6	33.0	49.6

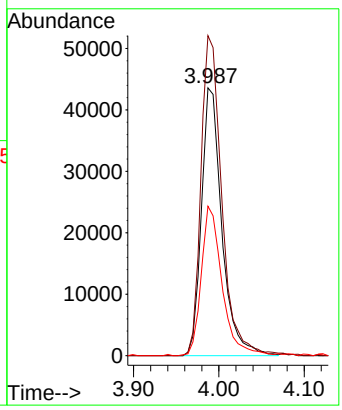




#3
Pyridine
Concen: 30.398 ng
RT: 3.987 min Scan# 1
Delta R.T. -0.011 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion: 79 Resp: 7269

Ion	Ratio	Lower	Upper
79	100		
52	119.5	94.2	141.2
51	55.8	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
PB170286BSD

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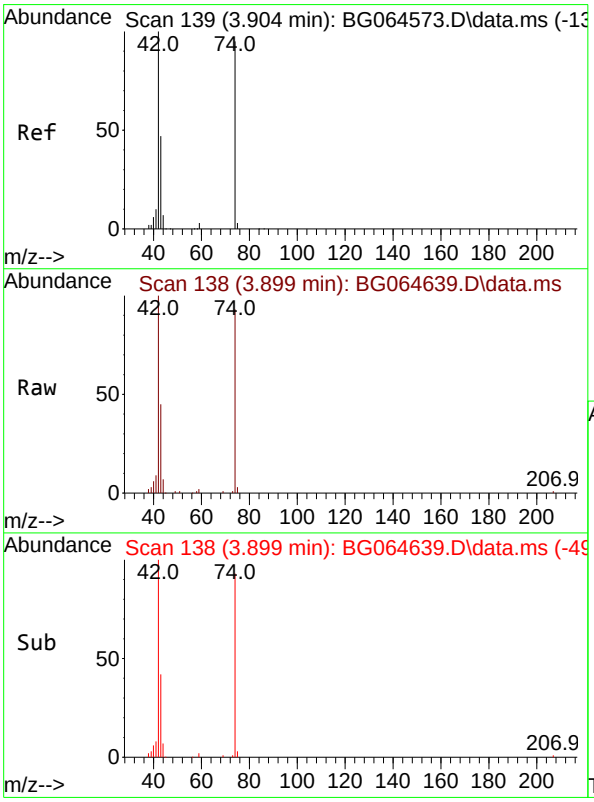
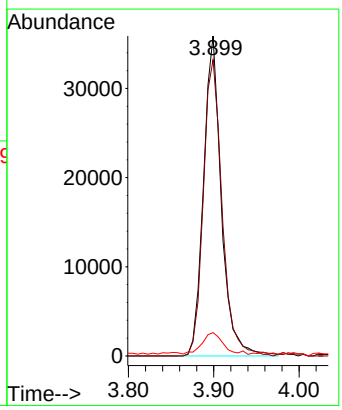
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

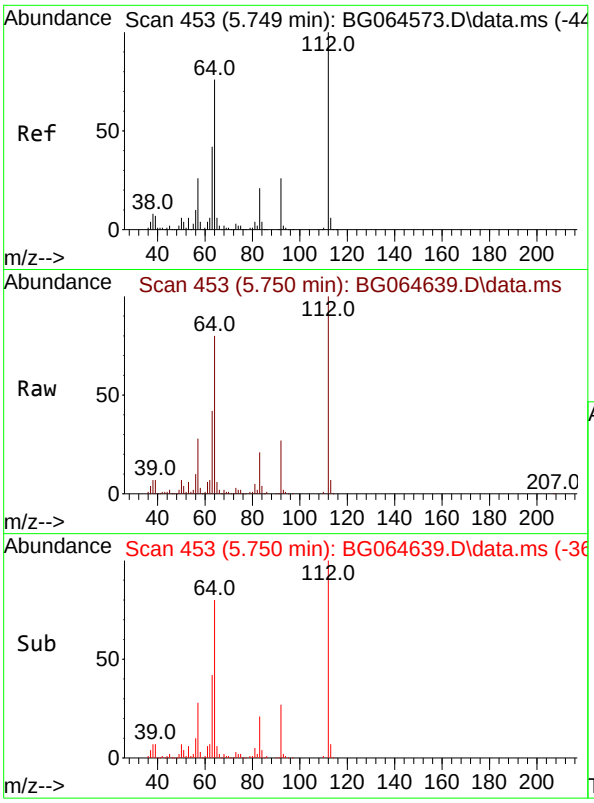


#4
n-Nitrosodimethylamine
Concen: 40.620 ng
RT: 3.899 min Scan# 138
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion: 42 Resp: 52092

Ion	Ratio	Lower	Upper
42	100		
74	92.6	76.1	114.1
44	7.3	6.3	9.5





#5
2-Fluorophenol
Concen: 122.384 ng
RT: 5.750 min Scan# 4
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:112 Resp: 22013

Ion	Ratio	Lower	Upper
112	100		
64	80.2	60.7	91.1
63	41.7	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
PB170286BSD

Manual Integrations
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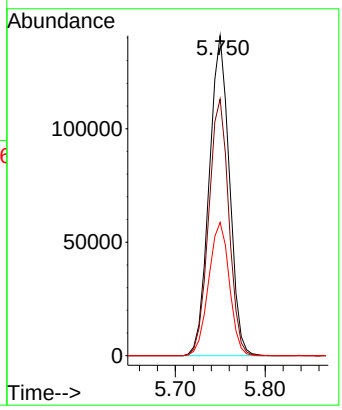
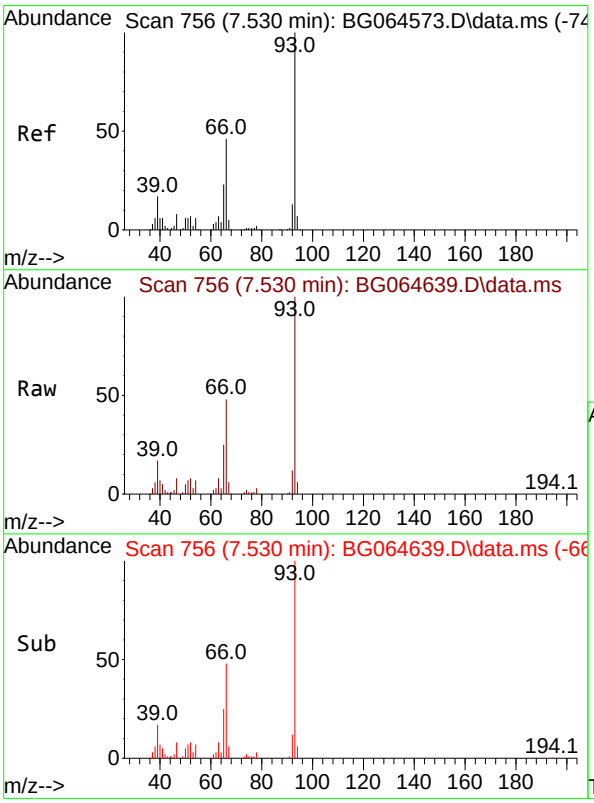
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

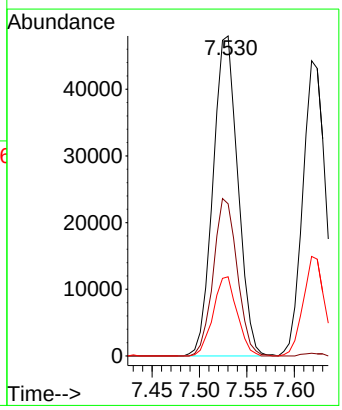


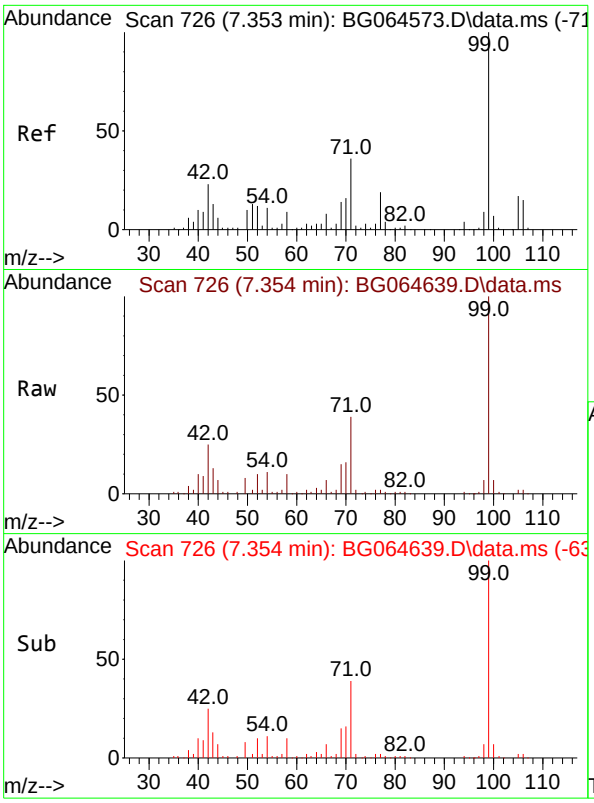


#6
Aniline
Concen: 26.094 ng
RT: 7.530 min Scan# 756
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion: 93 Resp: 87639

Ion	Ratio	Lower	Upper
93	100		
66	47.6	37.0	55.6
65	24.7	18.3	27.5

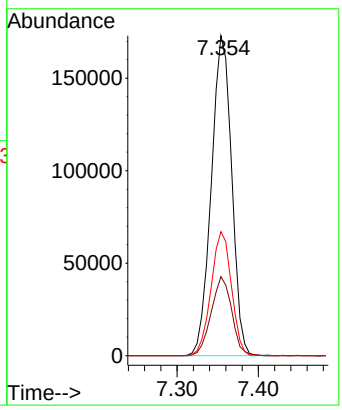




#7
Phenol-d6
Concen: 121.994 ng
RT: 7.354 min Scan# 7
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion: 99 Resp: 30110

Ion	Ratio	Lower	Upper
99	100		
42	24.7	18.3	27.5
71	38.8	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
PB170286BSD

Manual Integrations
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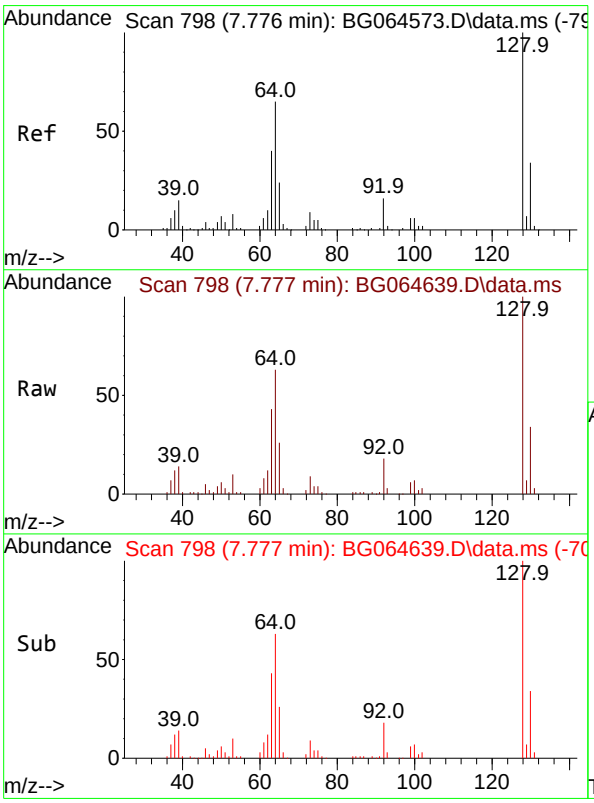
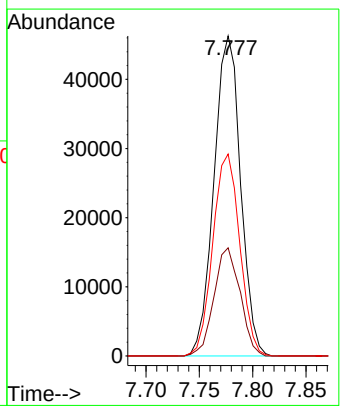
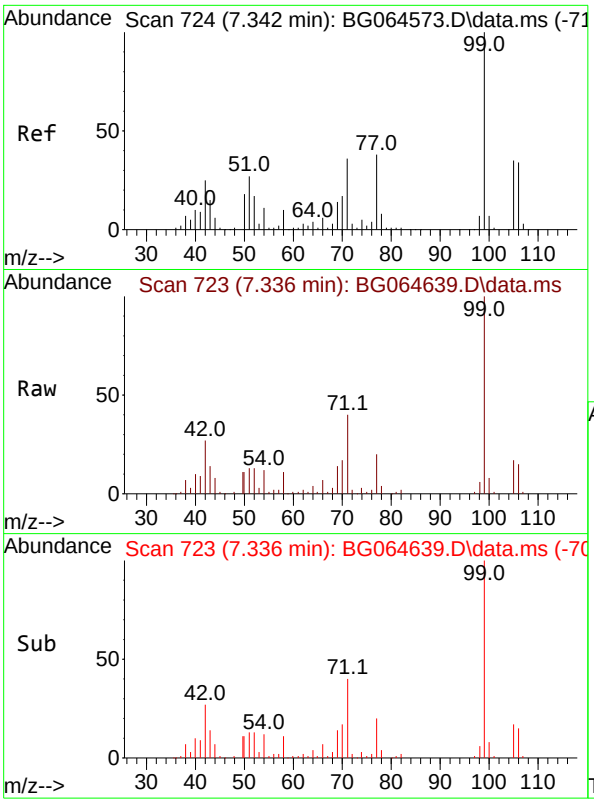


#8
2-Chlorophenol
Concen: 42.607 ng
RT: 7.777 min Scan# 798
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:128 Resp: 80216

Ion	Ratio	Lower	Upper
128	100		
130	33.8	13.5	53.5
64	63.1	45.2	85.2

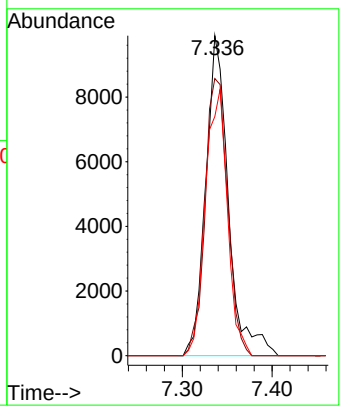




#9
Benzaldehyde
Concen: 12.845 ng
RT: 7.336 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion: 77 Resp: 1730

Ion	Ratio	Lower	Upper
77	100		
105	86.6	72.9	112.9
106	74.8	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
PB170286BSD

Manual Integrations
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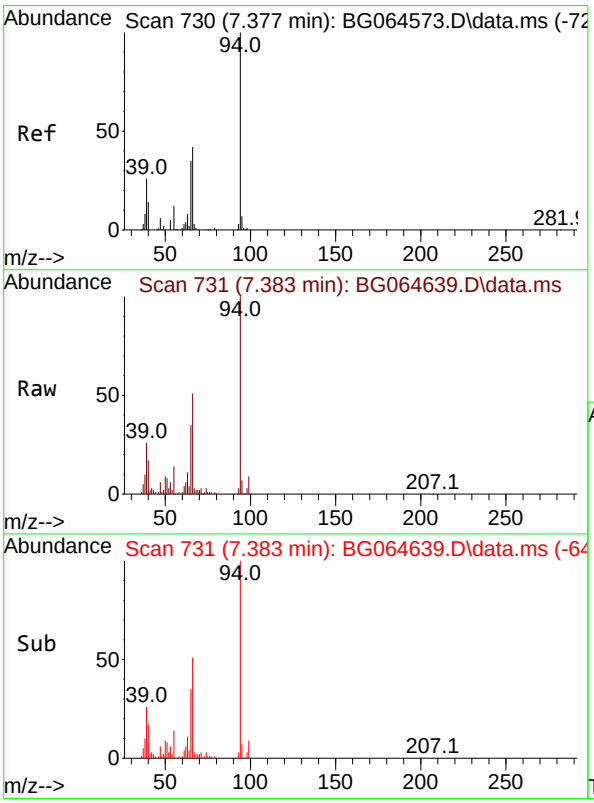
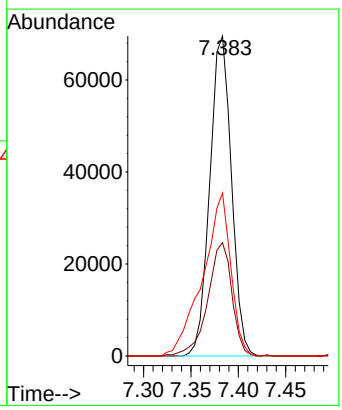
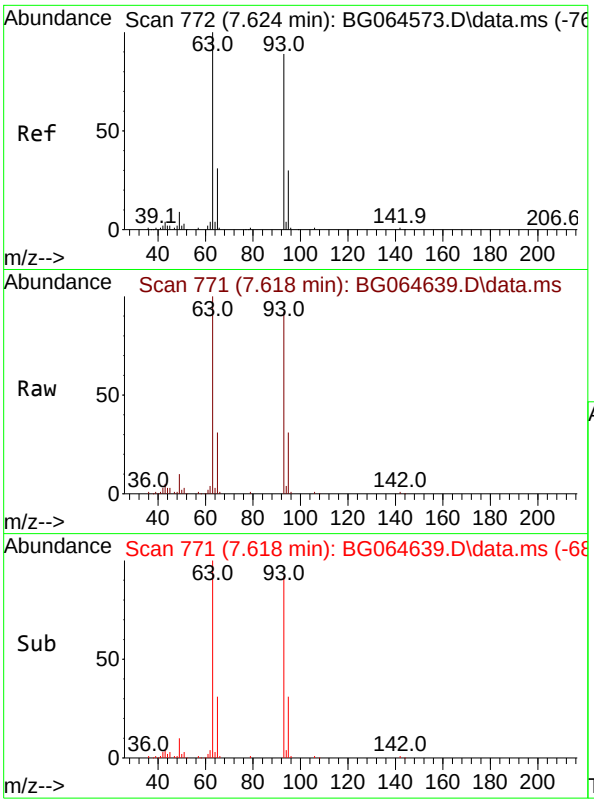


#10
Phenol
Concen: 40.452 ng
RT: 7.383 min Scan# 731
Delta R.T. 0.006 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion: 94 Resp: 110417

Ion	Ratio	Lower	Upper
94	100		
65	35.4	15.8	55.8
66	50.9	24.0	64.0





#11
bis(2-Chloroethyl)ether
Concen: 36.664 ng
RT: 7.618 min Scan# 7
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion: 93 Resp: 7358

Ion	Ratio	Lower	Upper
93	100		
63	108.3	91.3	131.3
95	33.3	13.3	53.3

Instrument :
BNA_G
ClientSampleId :
PB170286BSD

Manual Integrations
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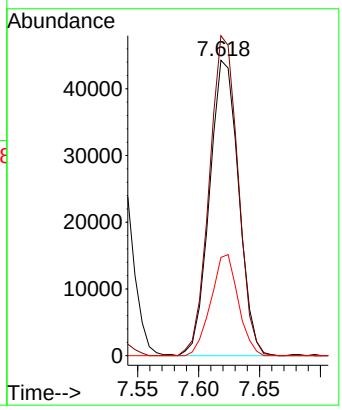
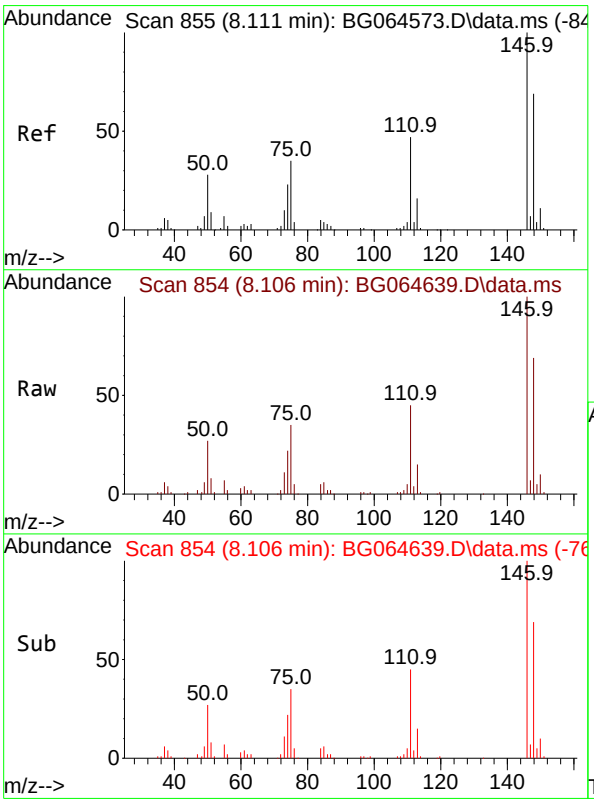
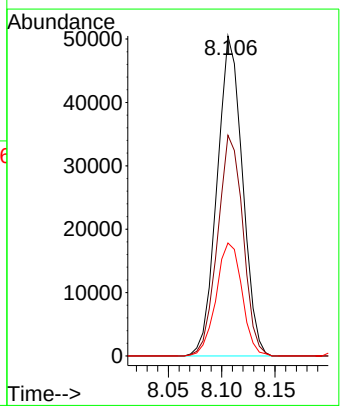


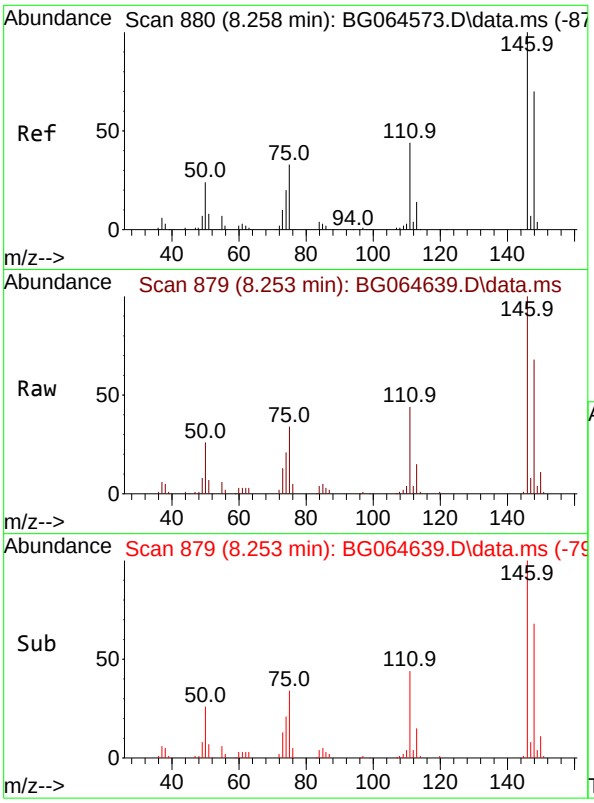


#12
1,3-Dichlorobenzene
Concen: 38.535 ng
RT: 8.106 min Scan# 854
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:146 Resp: 83501

Ion	Ratio	Lower	Upper
146	100		
148	68.9	55.3	82.9
75	35.3	28.2	42.2





#13
1,4-Dichlorobenzene
Concen: 39.171 ng
RT: 8.253 min Scan# 8
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:146 Resp: 8630

Ion	Ratio	Lower	Upper
146	100		
148	67.7	56.2	84.4
111	44.0	35.4	53.0

Instrument :
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ClientSampleId :
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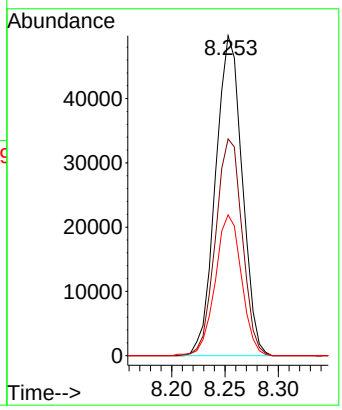
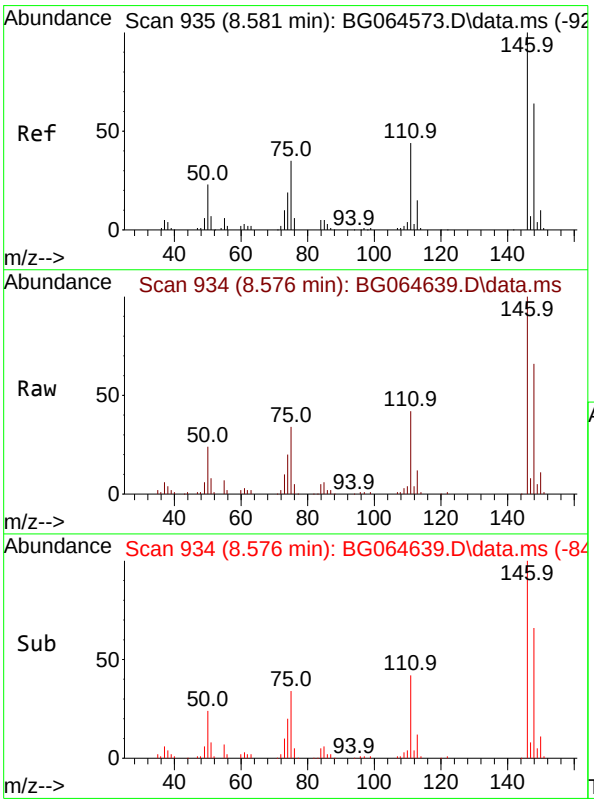
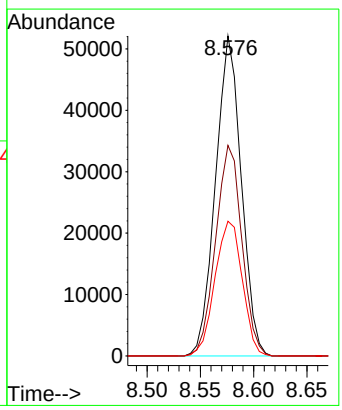


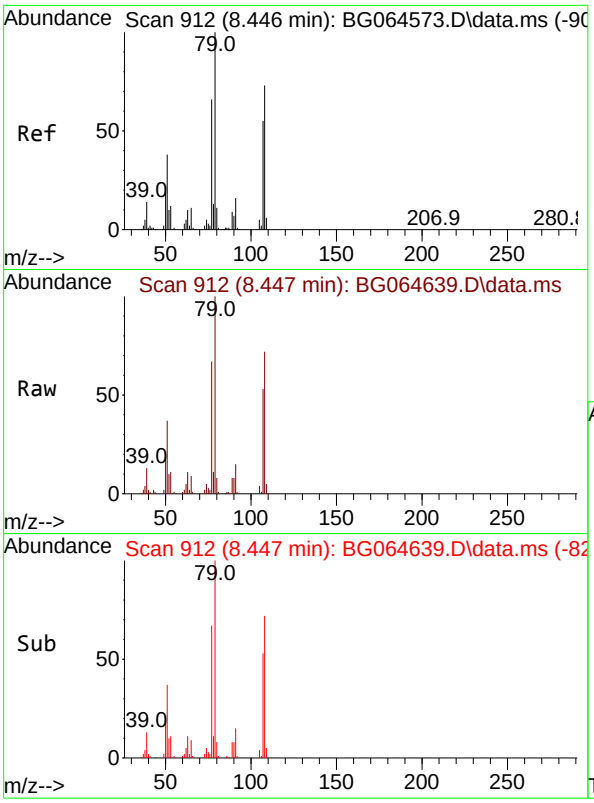


#14
1,2-Dichlorobenzene
Concen: 41.173 ng
RT: 8.576 min Scan# 934
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:146 Resp: 87499

Ion	Ratio	Lower	Upper
146	100		
148	65.8	51.5	77.3
111	42.1	35.0	52.6

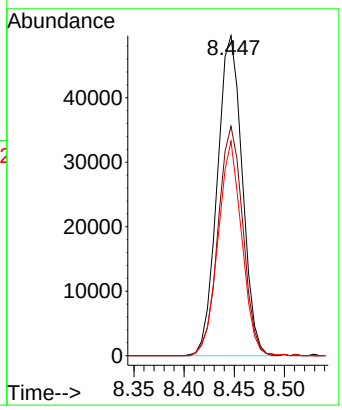




#15
Benzyl Alcohol
Concen: 42.165 ng
RT: 8.447 min Scan# 9
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion: 79 Resp: 8581

Ion	Ratio	Lower	Upper
79	100		
108	71.7	58.1	87.1
77	67.0	52.8	79.2



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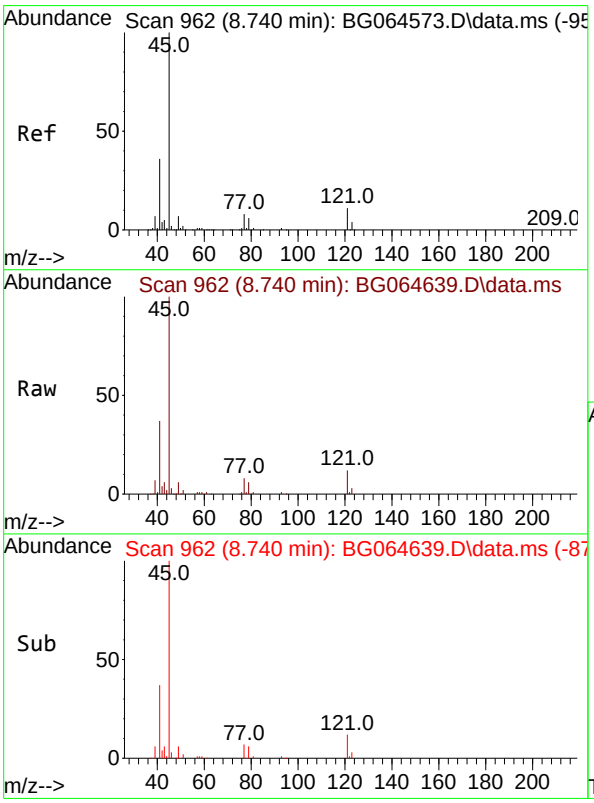
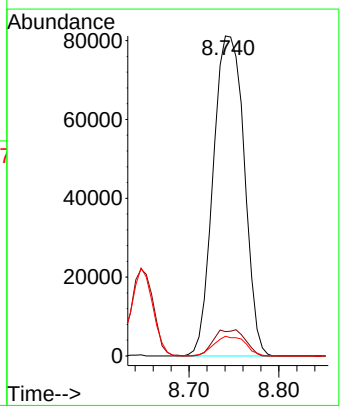
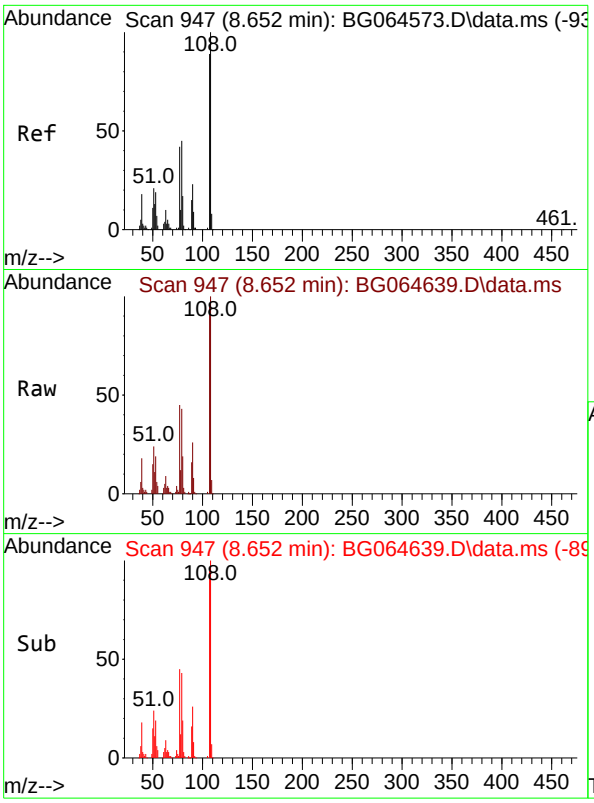


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.913 ng
RT: 8.740 min Scan# 962
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion: 45 Resp: 194319

Ion	Ratio	Lower	Upper
45	100		
77	7.6	0.0	28.5
79	6.2	0.0	25.6

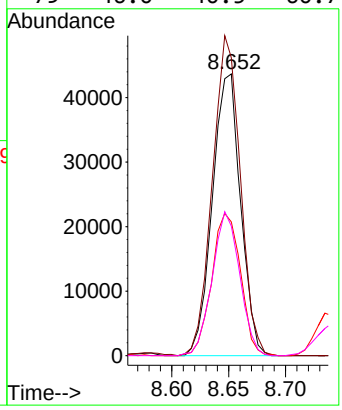




#17
2-Methylphenol
Concen: 41.559 ng
RT: 8.652 min Scan# 94
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:107 Resp: 7531

Ion	Ratio	Lower	Upper
107	100		
108	105.8	90.0	135.0
77	47.5	37.8	56.8
79	46.0	40.5	60.7



Instrument :
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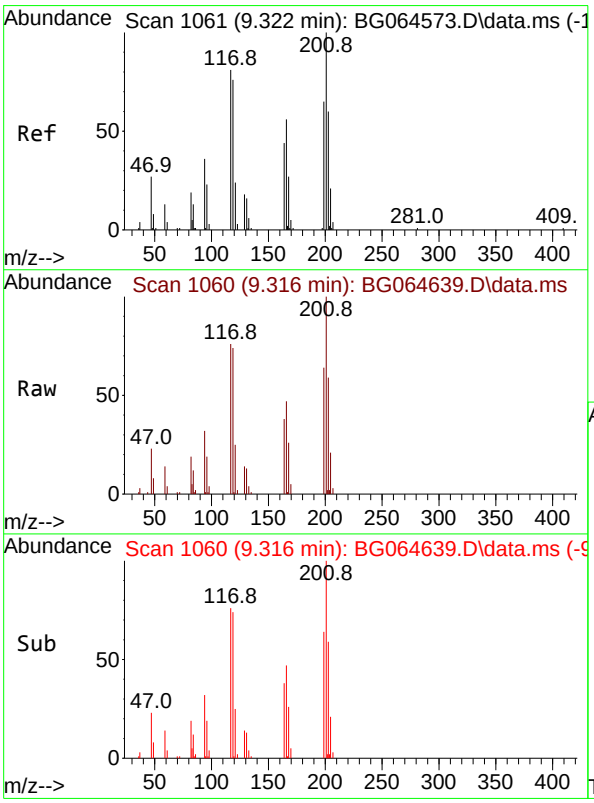
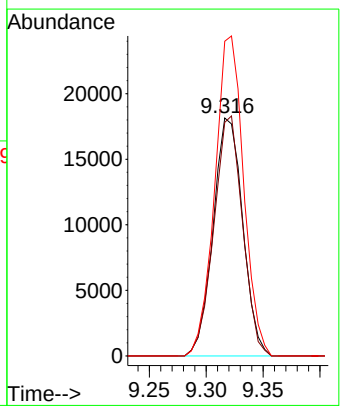
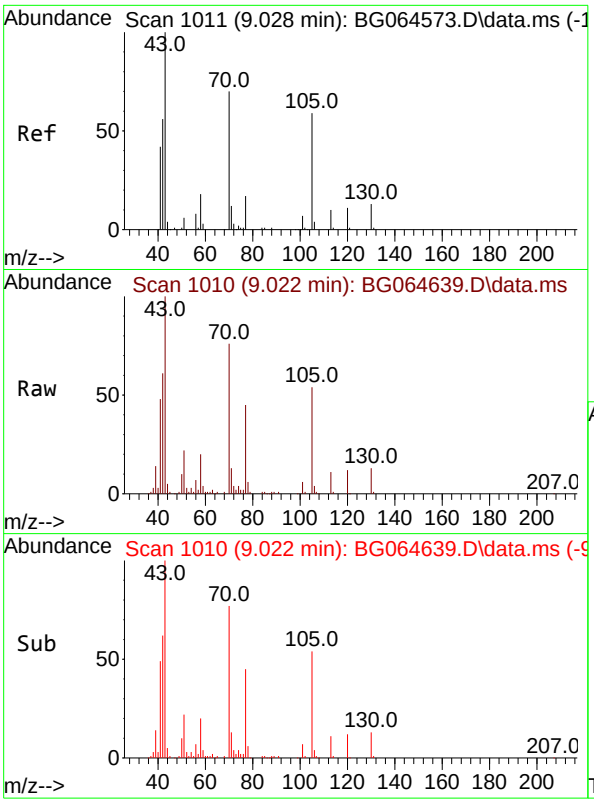


#18
Hexachloroethane
Concen: 42.378 ng
RT: 9.316 min Scan# 1060
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:117 Resp: 32767

Ion	Ratio	Lower	Upper
117	100		
119	99.2	75.4	113.2
201	132.3	99.2	148.8





#19
n-Nitroso-di-n-propylamine
Concen: 40.275 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion: 70 Resp: 6869

Ion	Ratio	Lower	Upper
70	100		
42	80.6	65.2	97.8
101	8.5	7.9	11.9
130	17.4	14.3	21.5

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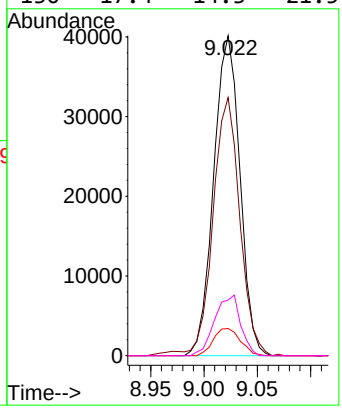
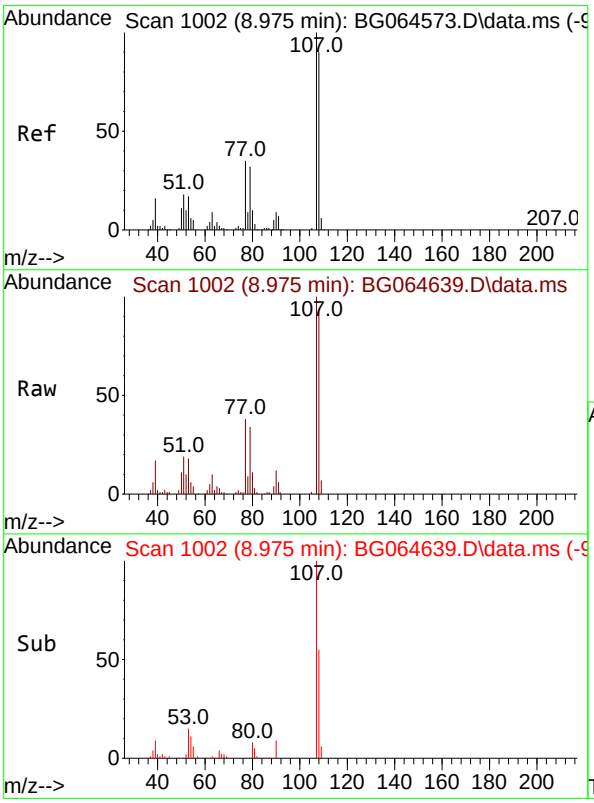
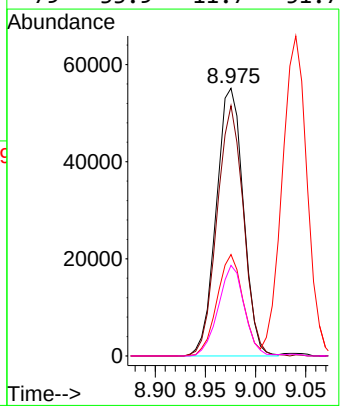


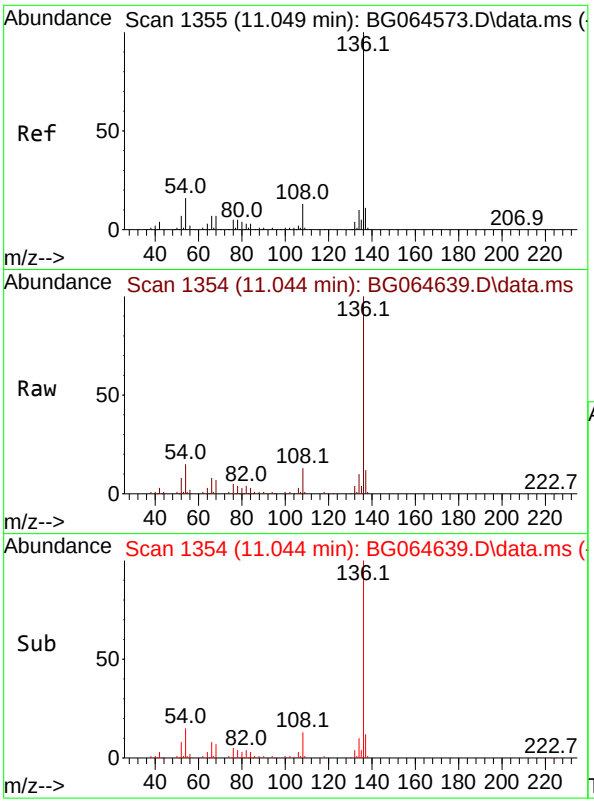


#20
3+4-Methylphenols
Concen: 40.599 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:107 Resp: 103473

Ion	Ratio	Lower	Upper
107	100		
108	93.5	70.3	110.3
77	37.9	14.6	54.6
79	33.9	11.7	51.7

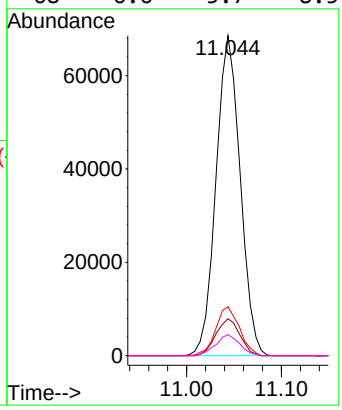




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:136 Resp: 12164

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	16.2	12.6	19.0
68	6.6	5.7	8.5



Instrument :
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ClientSampleId :
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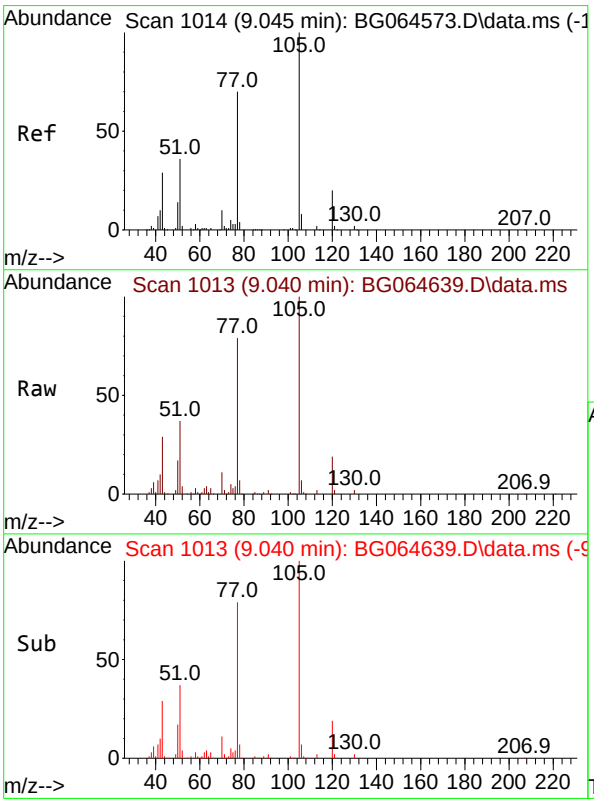
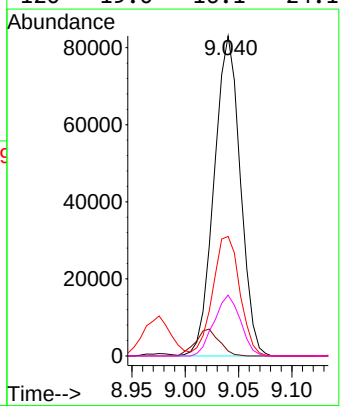
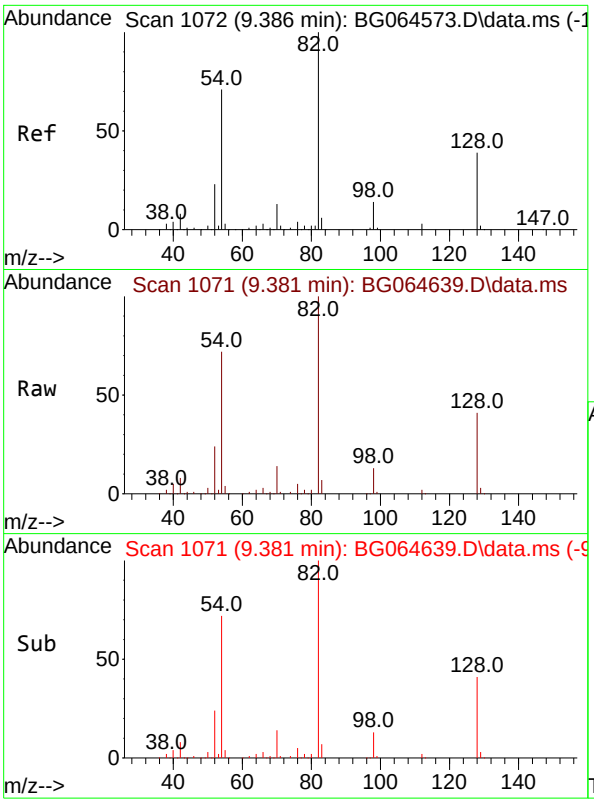


#22
Acetophenone
Concen: 42.659 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:105 Resp: 141859

Ion	Ratio	Lower	Upper
105	100		
71	1.5	1.5	2.3
51	37.3	33.7	50.5
120	19.0	16.1	24.1

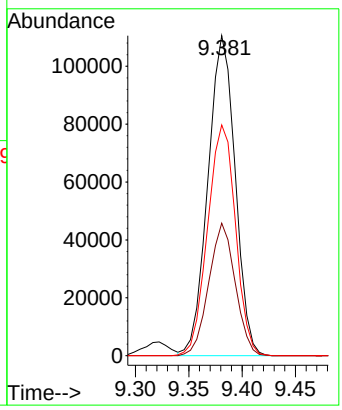




#23
Nitrobenzene-d5
Concen: 97.020 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion: 82 Resp: 19650

Ion	Ratio	Lower	Upper
82	100		
128	41.4	31.3	46.9
54	72.1	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
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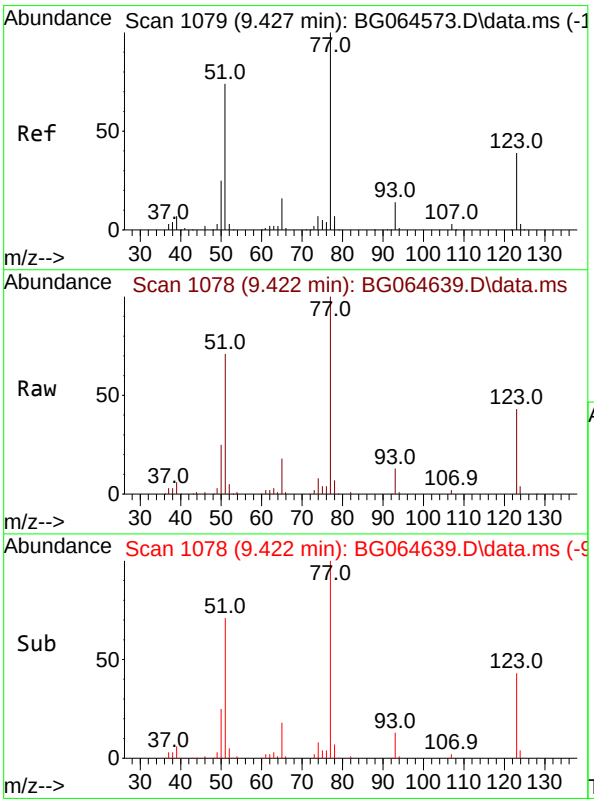
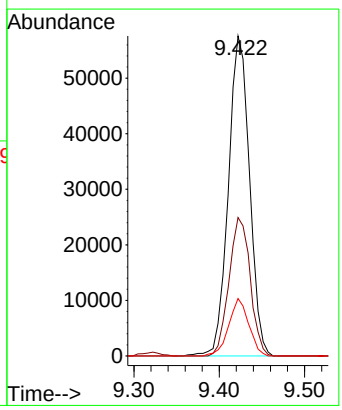
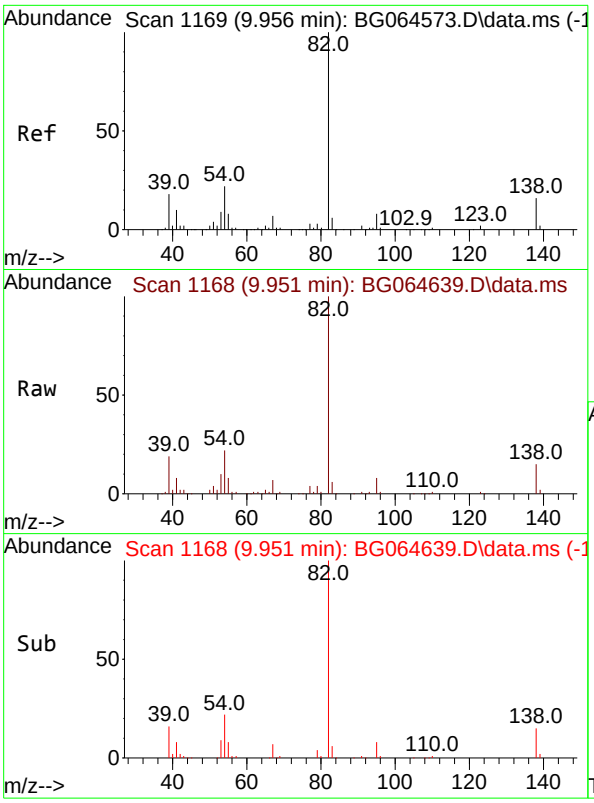


#24
Nitrobenzene
Concen: 45.113 ng
RT: 9.422 min Scan# 1078
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion: 77 Resp: 99379

Ion	Ratio	Lower	Upper
77	100		
123	43.2	31.0	46.6
65	18.0	12.7	19.1

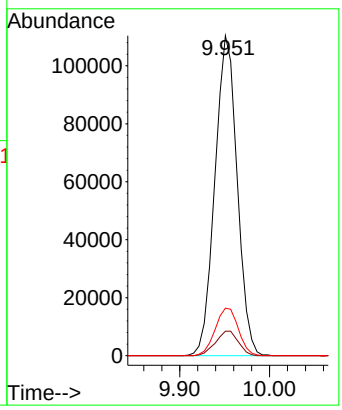




#25
Isophorone
Concen: 39.086 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion: 82 Resp: 18995

Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.1	9.1
138	14.9	13.0	19.4



Instrument :
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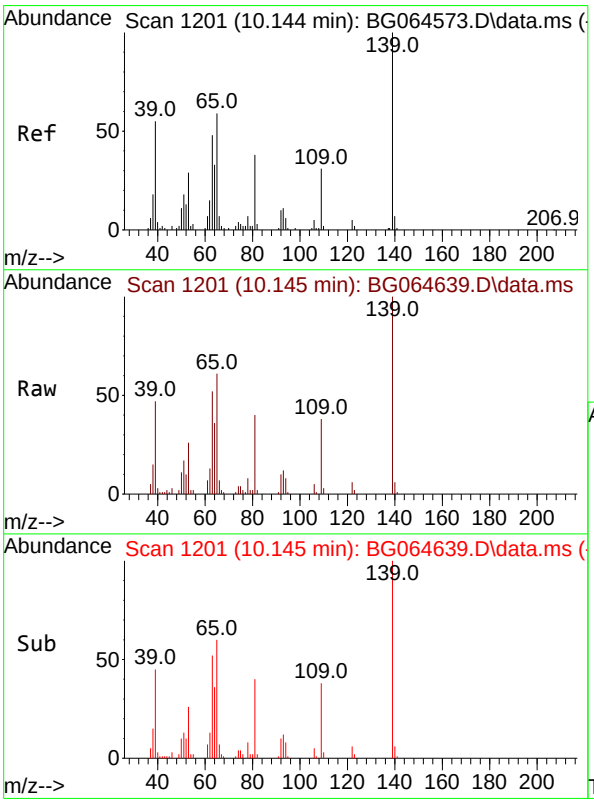
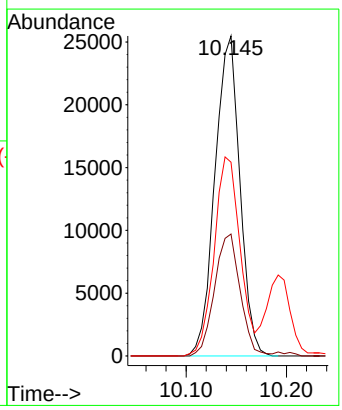
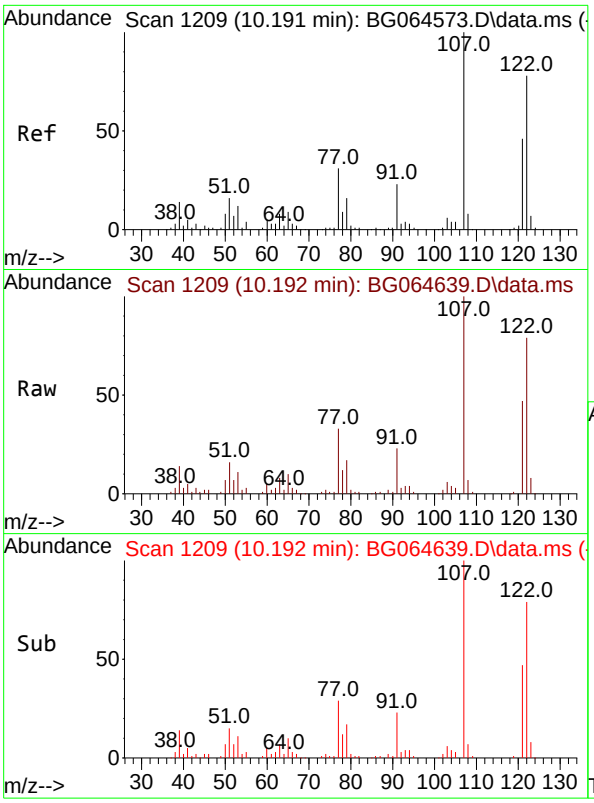


#26
2-Nitrophenol
Concen: 51.473 ng
RT: 10.145 min Scan# 1201
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:139 Resp: 43956

Ion	Ratio	Lower	Upper
139	100		
109	38.1	24.6	37.0#
65	60.6	47.5	71.3

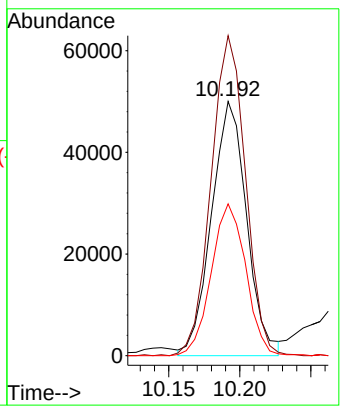




#27
2,4-Dimethylphenol
Concen: 47.610 ng
RT: 10.192 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:122 Resp: 8606

Ion	Ratio	Lower	Upper
122	100		
107	125.8	103.0	154.4
121	59.7	47.8	71.8



Instrument :
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ClientSampleId :
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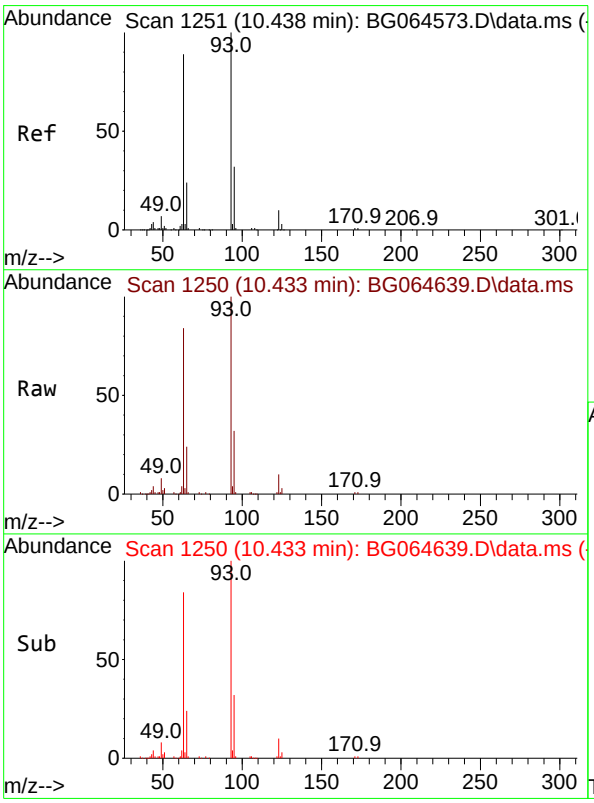
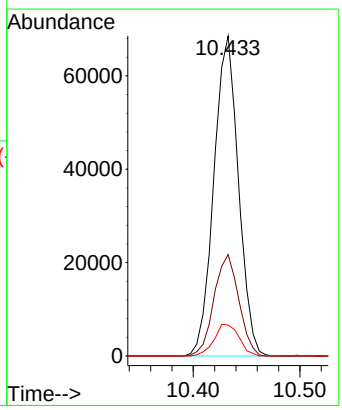
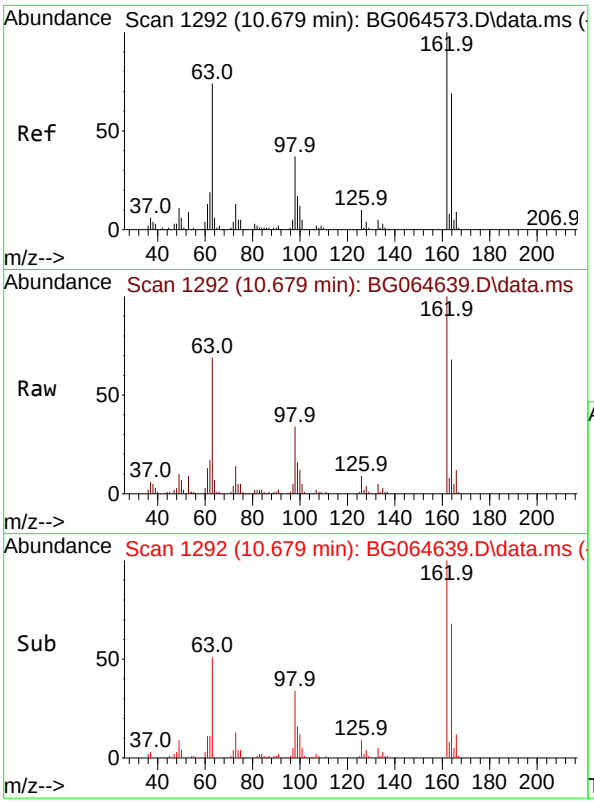


#28
bis(2-Chloroethoxy)methane
Concen: 39.615 ng
RT: 10.433 min Scan# 1250
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion: 93 Resp: 109620

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.4	38.2
123	9.6	8.4	12.6

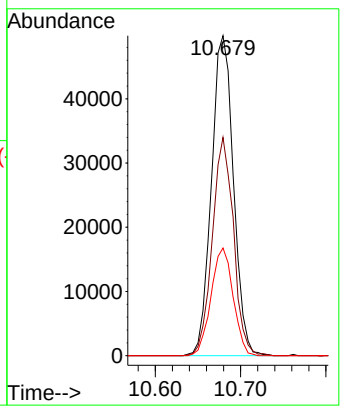




#29
2,4-Dichlorophenol
Concen: 45.915 ng
RT: 10.679 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:162 Resp: 8932

Ion	Ratio	Lower	Upper
162	100		
164	68.2	48.7	88.7
98	33.7	16.9	56.9



Instrument :
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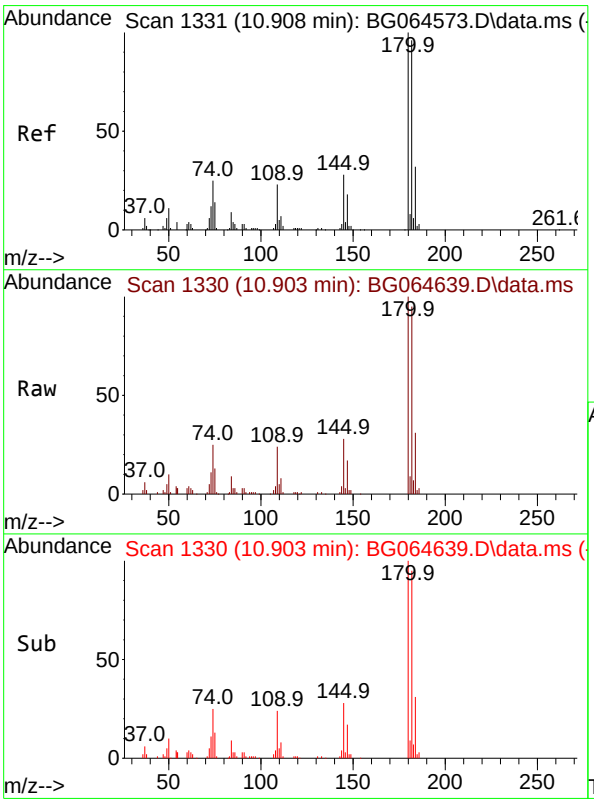
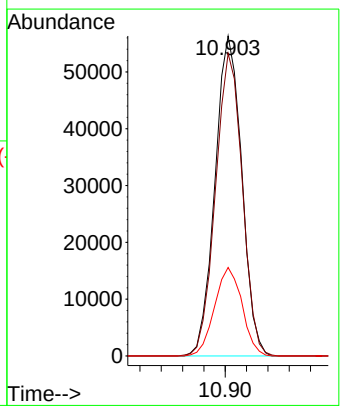
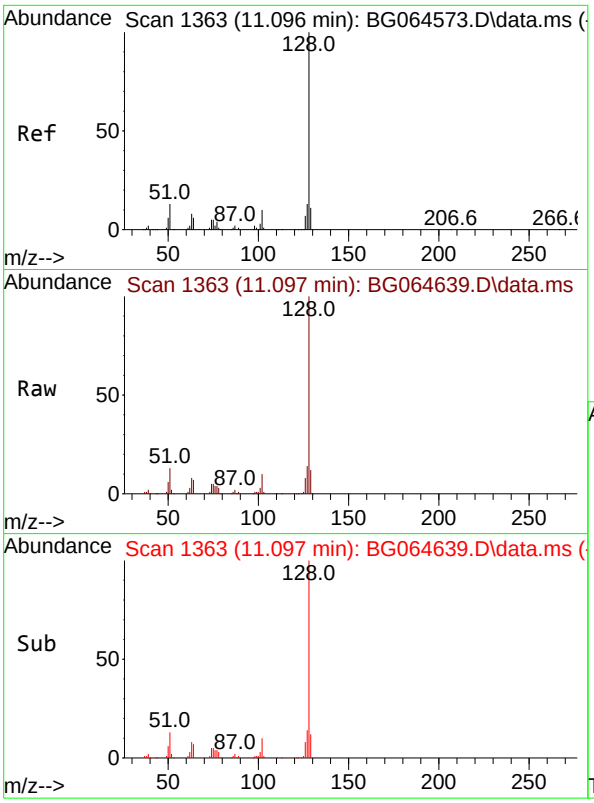


#30
1,2,4-Trichlorobenzene
Concen: 44.360 ng
RT: 10.903 min Scan# 1330
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:180 Resp: 98058

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.9	115.3
145	27.6	22.1	33.1





#31
Naphthalene
Concen: 39.378 ng
RT: 11.097 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:128 Resp: 26559

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.8	13.2
127	14.2	10.6	15.8

Instrument :
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ClientSampleId :
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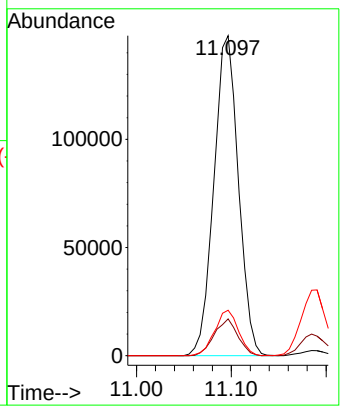
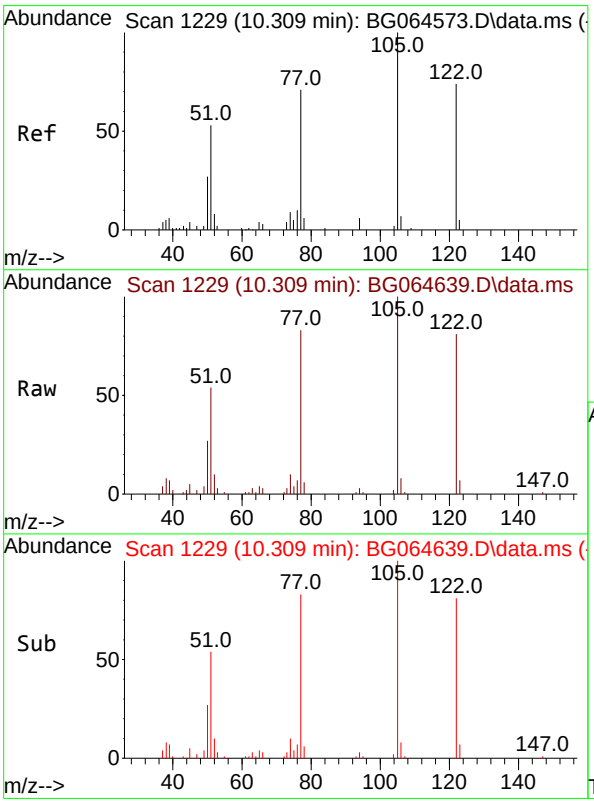
Supervised By :mohammad ahmed 11/05/2025

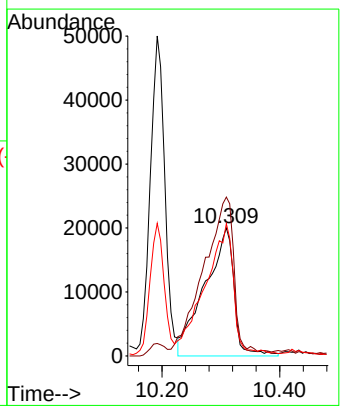


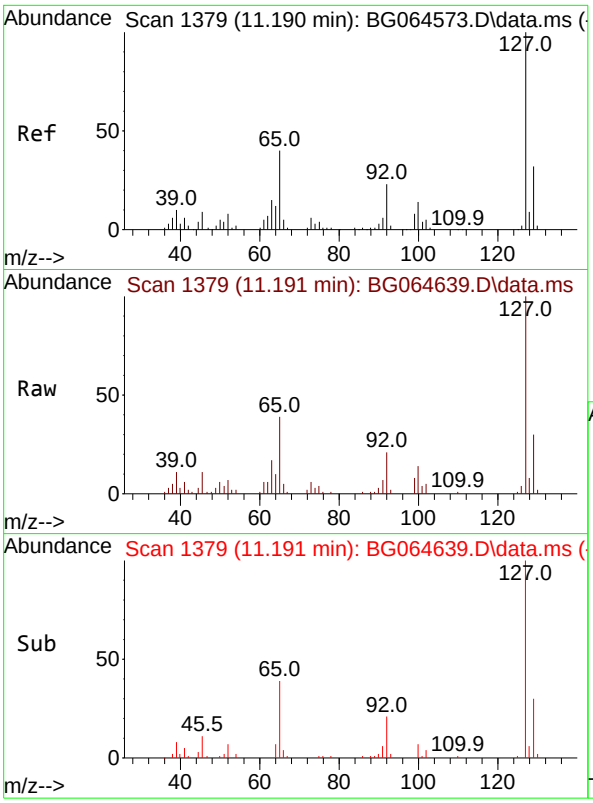


#32
Benzoic acid
Concen: 49.533 ng
RT: 10.309 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:122 Resp: 68669

Ion	Ratio	Lower	Upper
122	100		
105	124.1	104.2	144.2
77	103.4	70.2	110.2

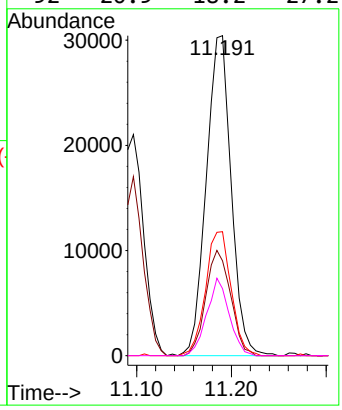




#33
4-Chloroaniline
Concen: 21.173 ng
RT: 11.191 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:127 Resp: 5550

Ion	Ratio	Lower	Upper
127	100		
129	29.7	25.5	38.3
65	38.8	32.2	48.4
92	20.9	18.2	27.2



Instrument :
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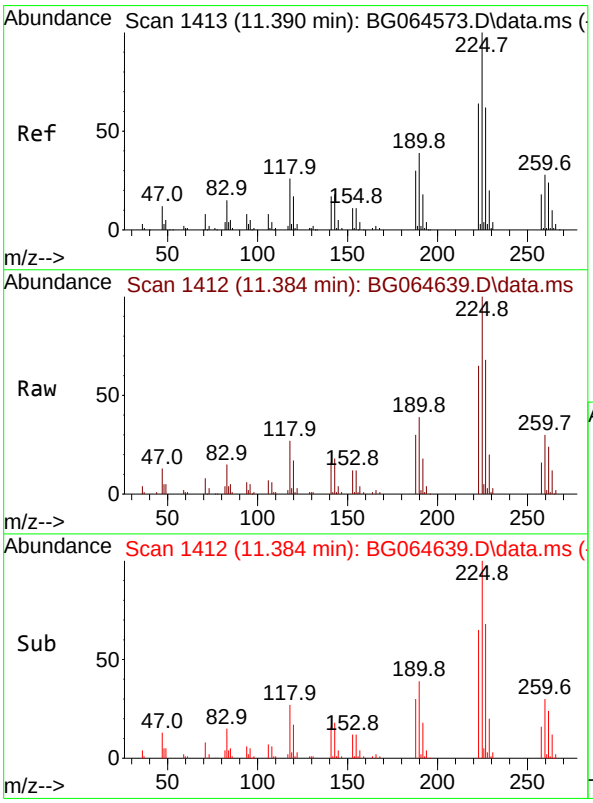
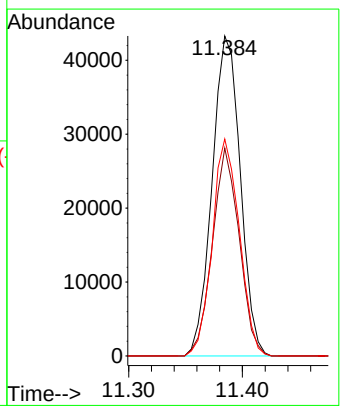
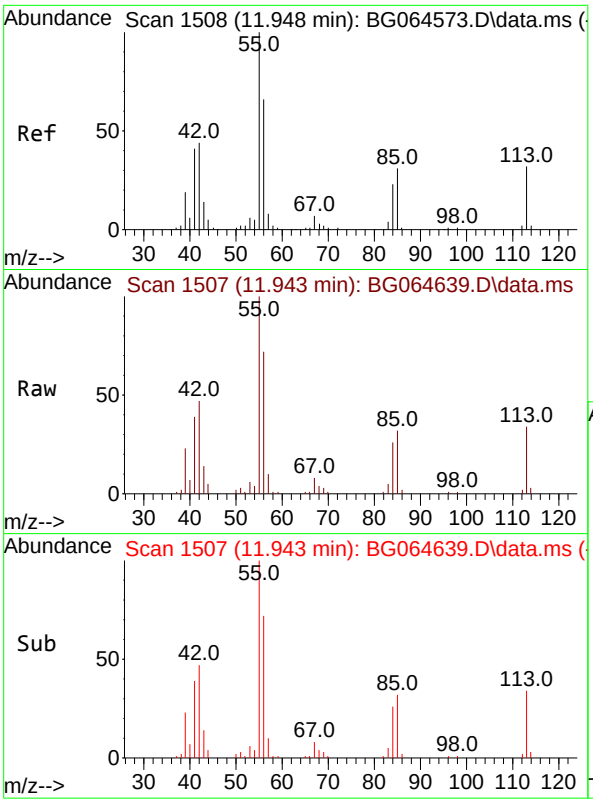


#34
Hexachlorobutadiene
Concen: 43.092 ng
RT: 11.384 min Scan# 1412
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:225 Resp: 74494

Ion	Ratio	Lower	Upper
225	100		
223	62.0	48.8	73.2
227	67.3	49.5	74.3

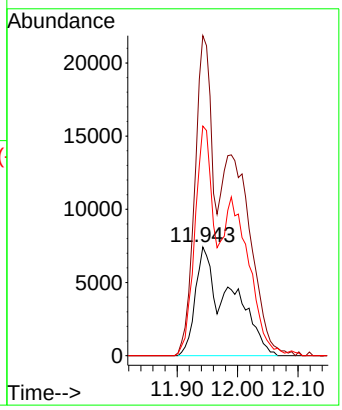




#35
Caprolactam
Concen: 40.317 ng m
RT: 11.943 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:113 Resp: 3008

Ion	Ratio	Lower	Upper
113	100		
55	294.5	290.1	330.1
56	211.4	183.8	223.8



Instrument :
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ClientSampleId :
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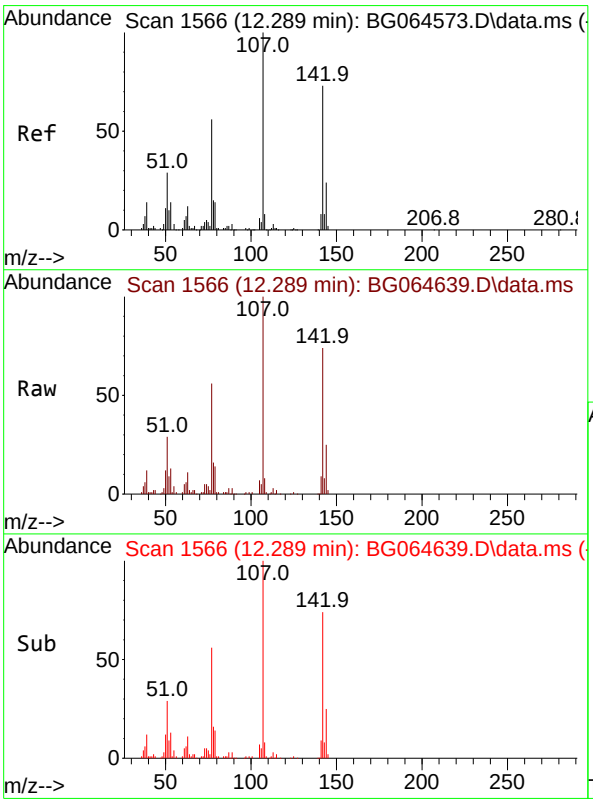
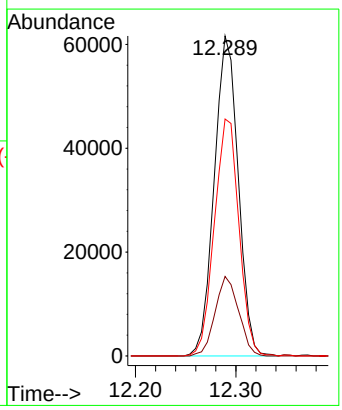
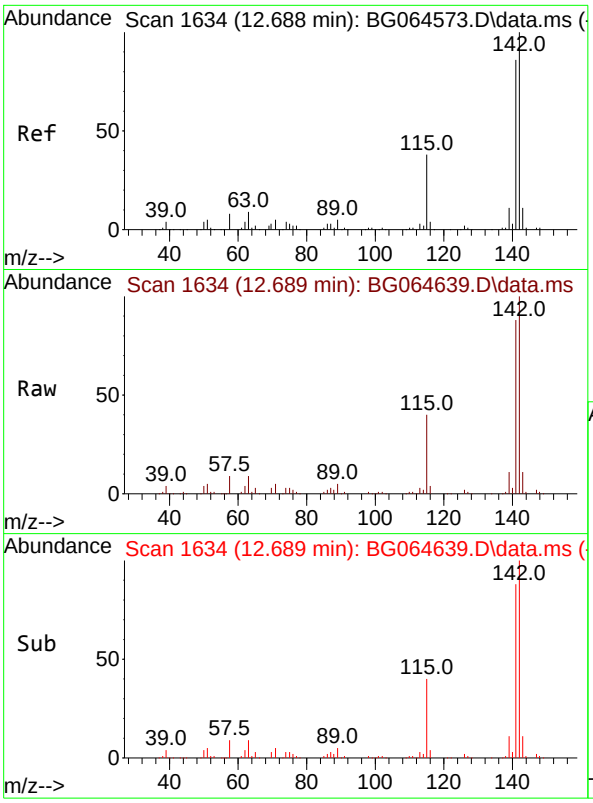


#36
4-Chloro-3-methylphenol
Concen: 43.642 ng
RT: 12.289 min Scan# 1566
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:107 Resp: 102058

Ion	Ratio	Lower	Upper
107	100		
144	24.8	19.1	28.7
142	74.1	58.6	87.8

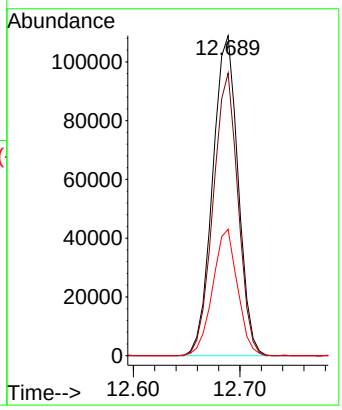




#37
2-Methylnaphthalene
Concen: 36.433 ng
RT: 12.689 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:142 Resp: 18041

Ion	Ratio	Lower	Upper
142	100		
141	88.3	68.9	103.3
115	39.5	30.6	46.0



Instrument :
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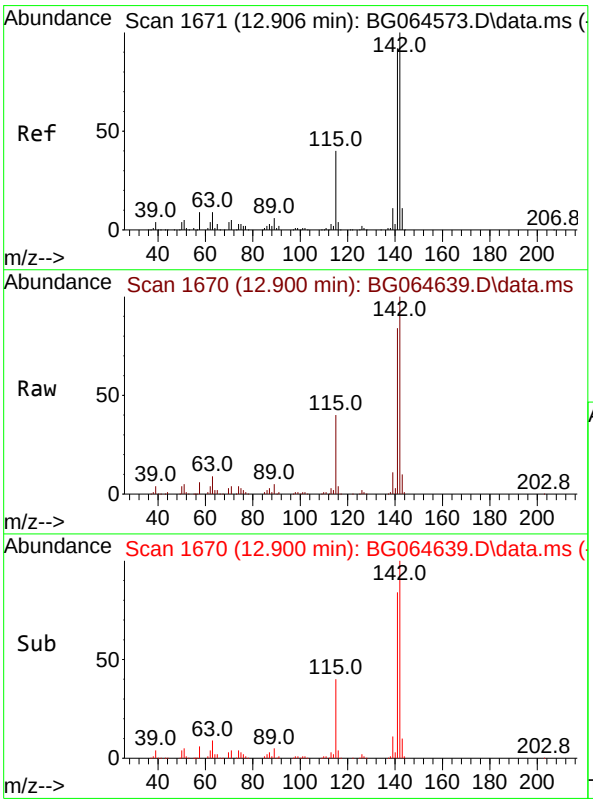
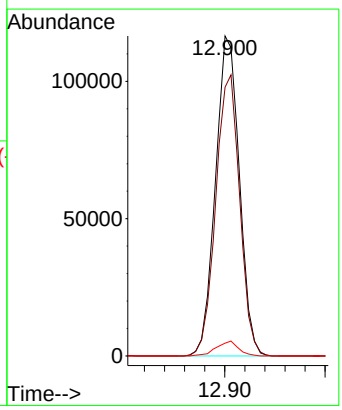
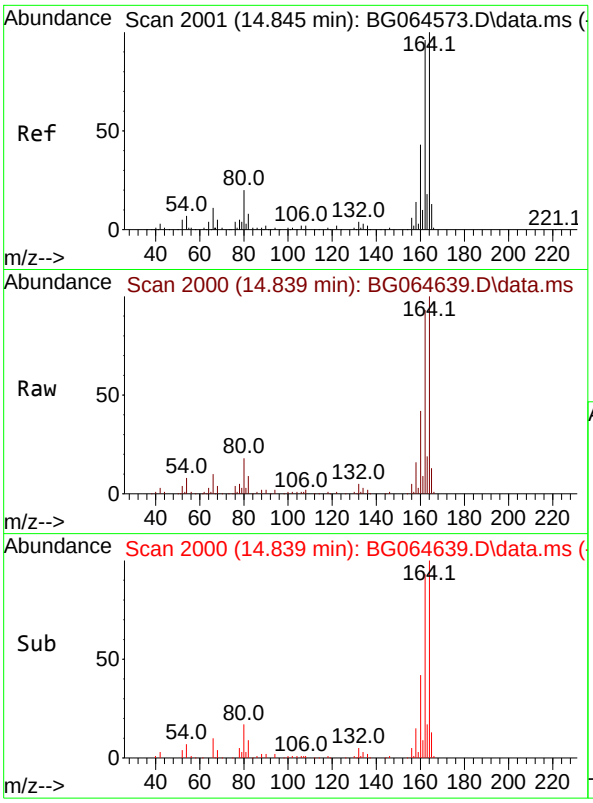


#38
1-Methylnaphthalene
Concen: 39.215 ng
RT: 12.900 min Scan# 1670
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:142 Resp: 192239

Ion	Ratio	Lower	Upper
142	100		
141	84.0	73.3	109.9
116	4.0	3.1	4.7

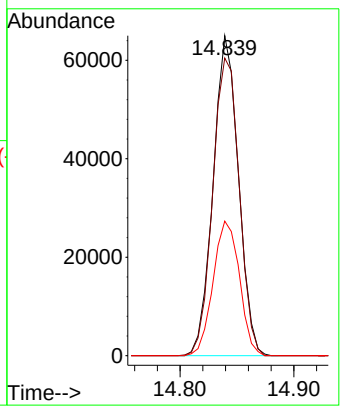




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:164 Resp: 10053

Ion	Ratio	Lower	Upper
164	100		
162	93.0	77.0	115.6
160	42.0	34.4	51.6



Instrument :
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ClientSampleId :
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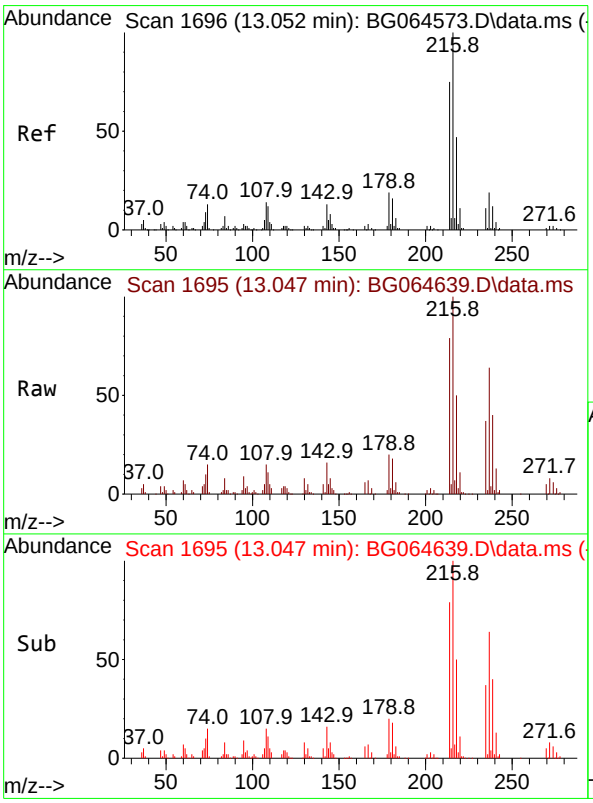
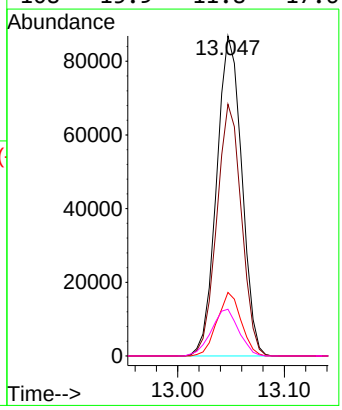
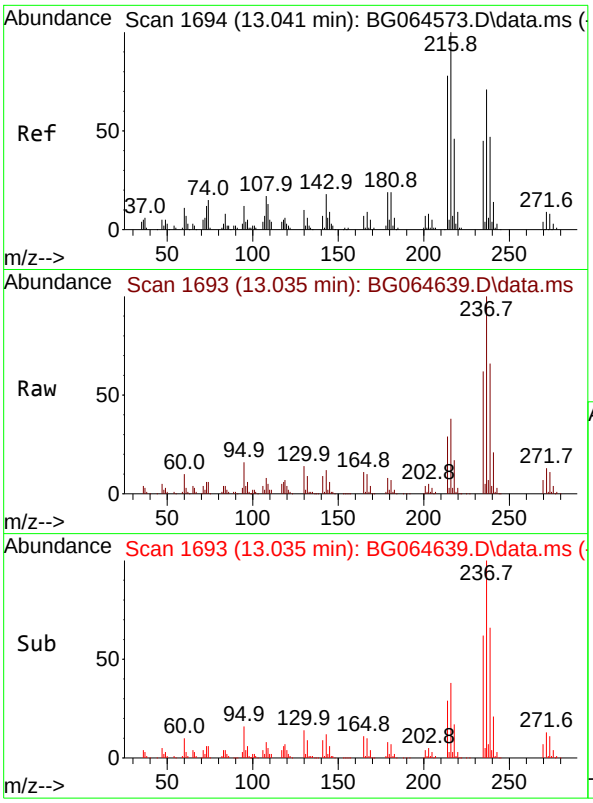


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.179 ng
RT: 13.047 min Scan# 1695
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:216 Resp: 142310

Ion	Ratio	Lower	Upper
216	100		
214	77.2	61.4	92.2
179	18.9	15.4	23.0
108	15.9	11.8	17.6





#41
Hexachlorocyclopentadiene
Concen: 115.560 ng
RT: 13.035 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Instrument :
BNA_G
ClientSampleId :
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Tgt Ion:237 Resp: 17549

Ion	Ratio	Lower	Upper
237	100		
235	62.4	44.1	84.1
272	12.7	0.0	32.4

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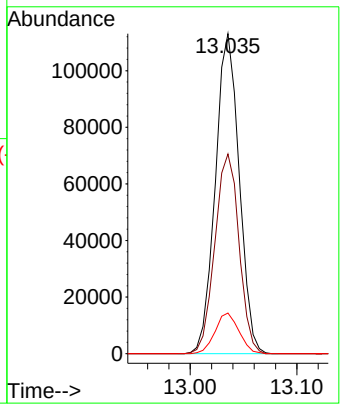
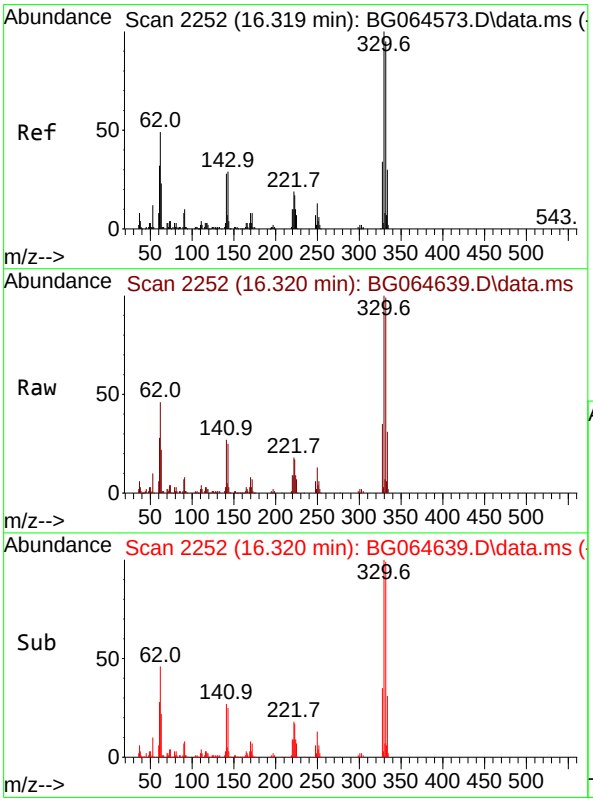
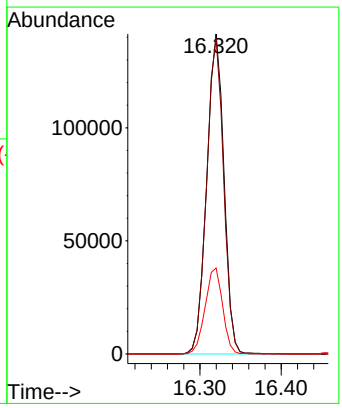


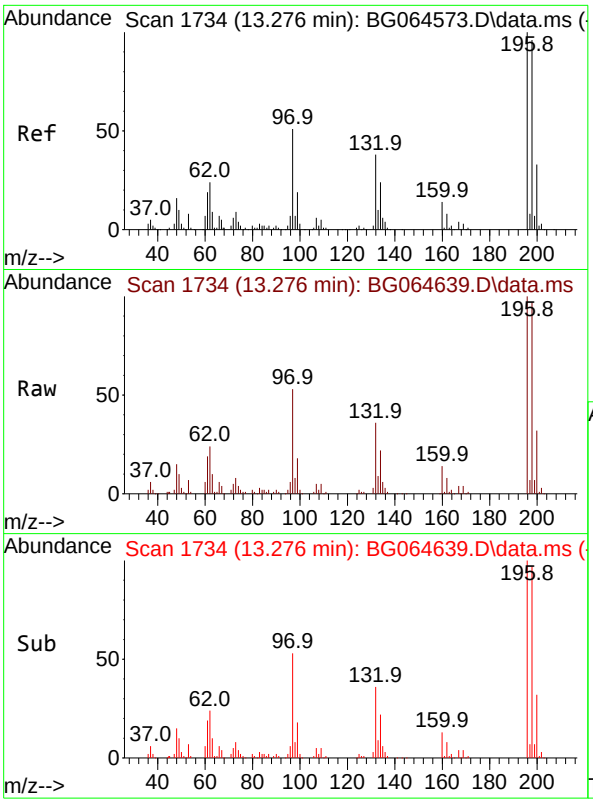


#42
2,4,6-Tribromophenol
Concen: 143.076 ng
RT: 16.320 min Scan# 2252
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:330 Resp: 207601

Ion	Ratio	Lower	Upper
330	100		
332	97.7	78.0	117.0
141	27.3	21.8	32.6

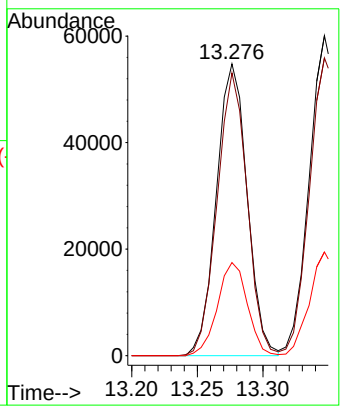




#43
2,4,6-Trichlorophenol
Concen: 46.320 ng
RT: 13.276 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:196 Resp: 8939

Ion	Ratio	Lower	Upper
196	100		
198	96.9	76.6	115.0
200	31.9	26.0	39.0



Instrument :
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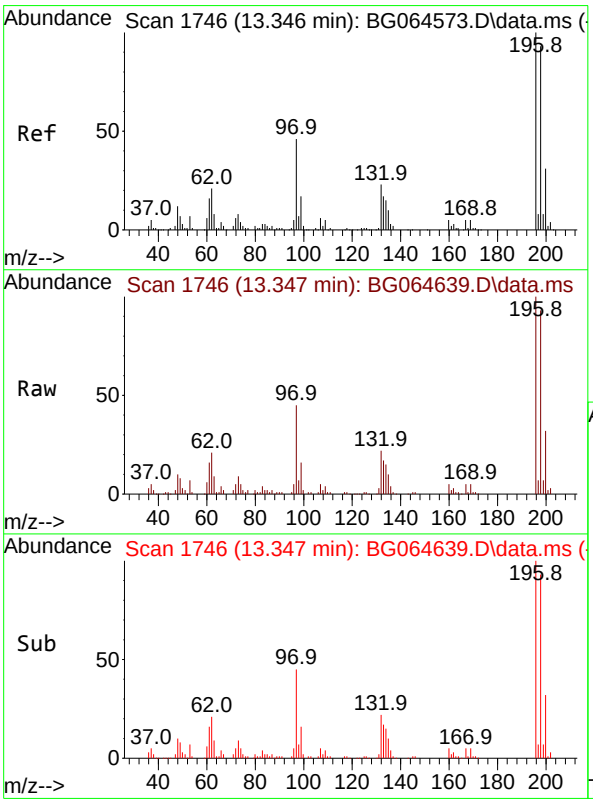
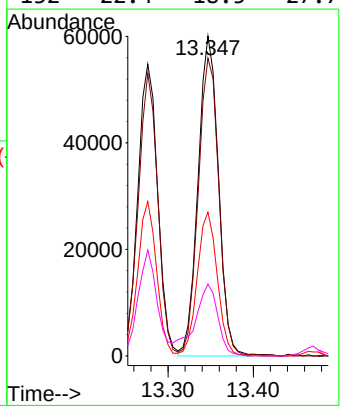
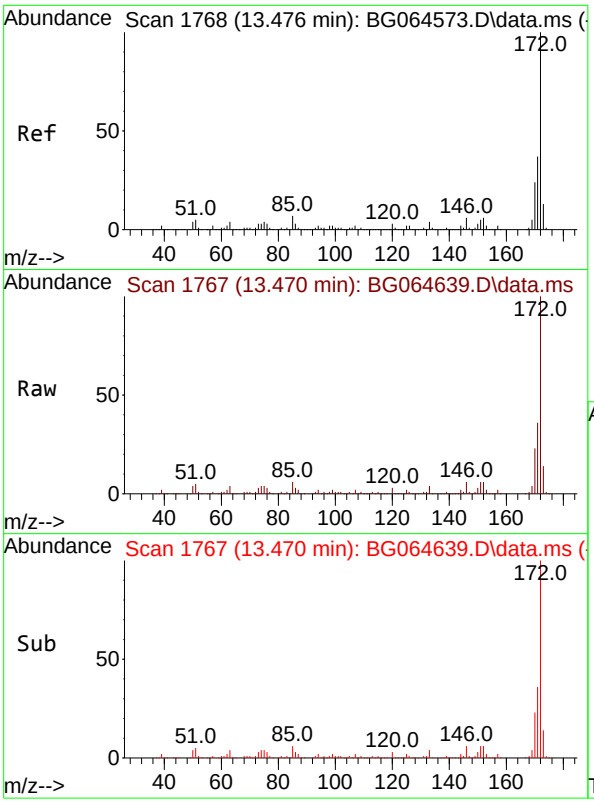


#44
2,4,5-Trichlorophenol
Concen: 44.938 ng
RT: 13.347 min Scan# 1746
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:196 Resp: 100082

Ion	Ratio	Lower	Upper
196	100		
198	93.1	74.2	111.4
97	45.0	37.0	55.6
132	22.4	18.5	27.7

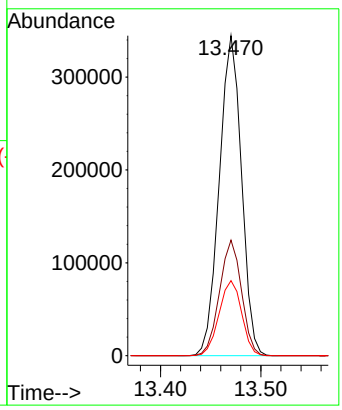




#45
2-Fluorobiphenyl
Concen: 79.777 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:172 Resp: 52912

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	23.5	19.1	28.7



Instrument :
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ClientSampleId :
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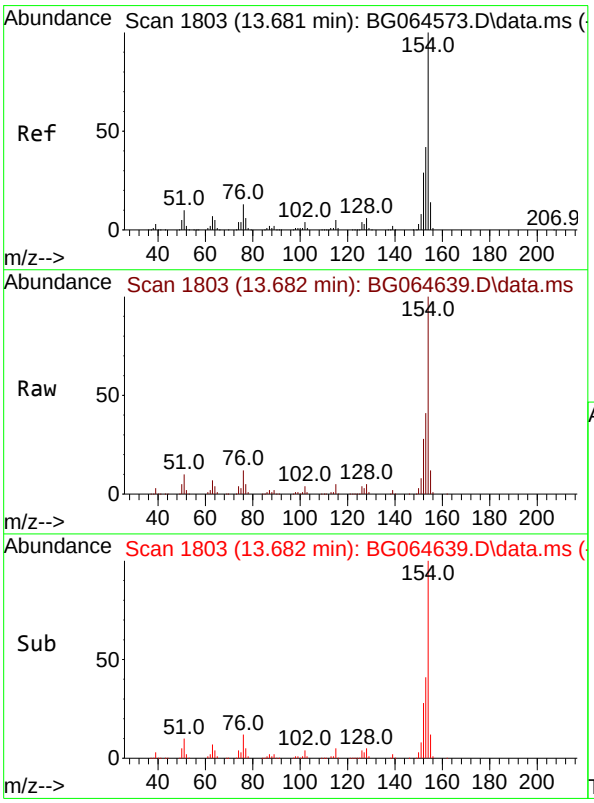
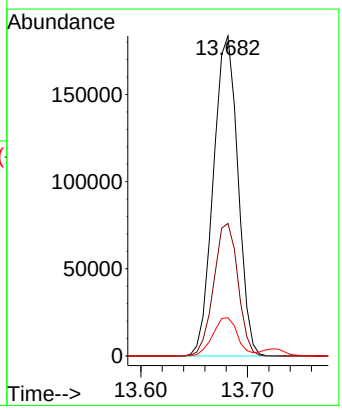
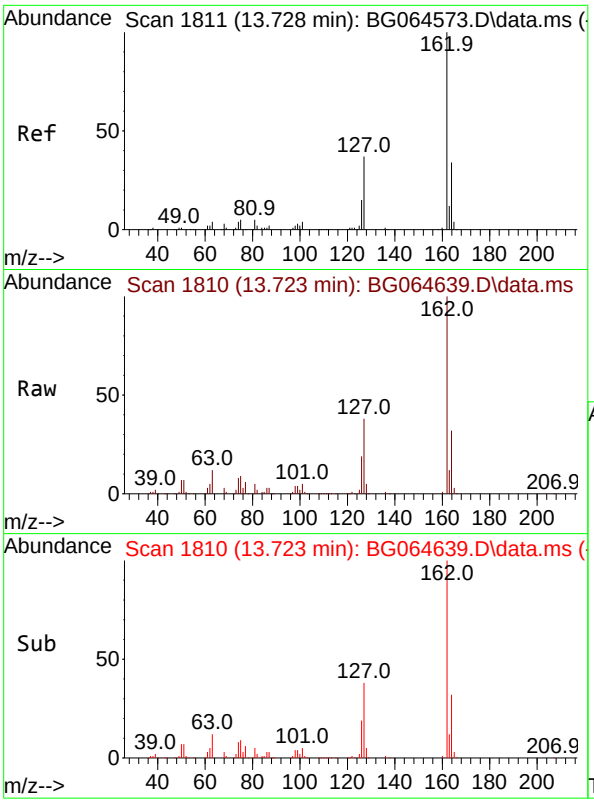


#46
1,1'-Biphenyl
Concen: 41.038 ng
RT: 13.682 min Scan# 1803
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:154 Resp: 293305

Ion	Ratio	Lower	Upper
154	100		
153	41.4	22.4	62.4
76	12.0	0.0	33.5

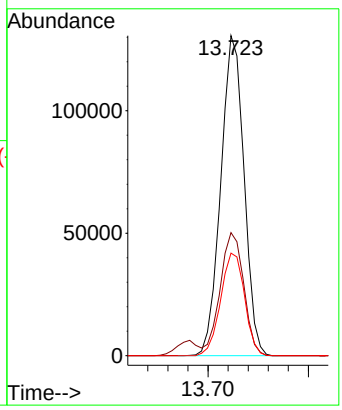




#47
2-Chloronaphthalene
Concen: 38.894 ng
RT: 13.723 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:162 Resp: 20982

Ion	Ratio	Lower	Upper
162	100		
127	38.5	32.2	48.2
164	32.0	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
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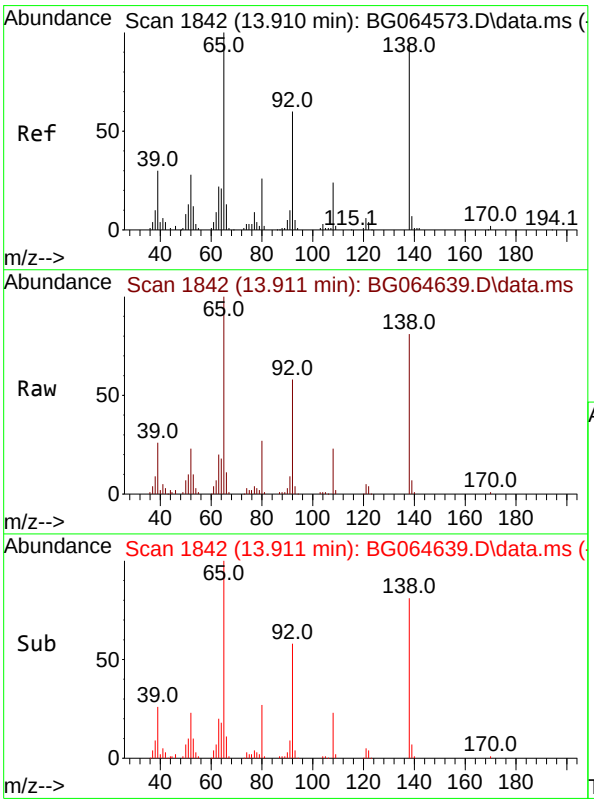
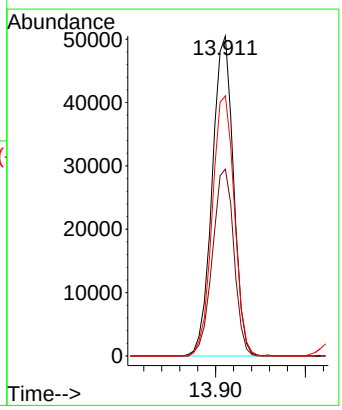
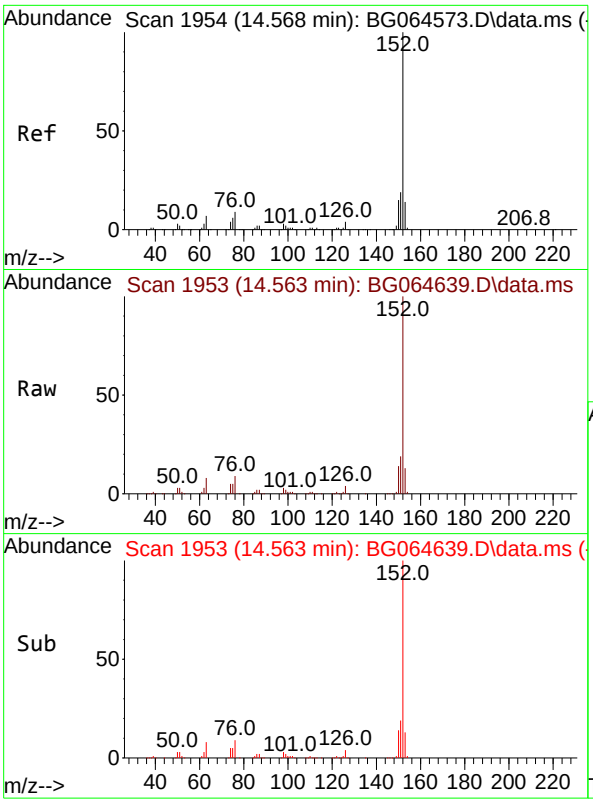


#48
2-Nitroaniline
Concen: 45.859 ng
RT: 13.911 min Scan# 1842
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion: 65 Resp: 82776

Ion	Ratio	Lower	Upper
65	100		
92	58.4	48.3	72.5
138	81.3	74.9	112.3





#49
Acenaphthylene
Concen: 44.515 ng
RT: 14.563 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:152 Resp: 37880

Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.4	23.2
153	12.6	11.0	16.4

Instrument :
BNA_G
ClientSampleId :
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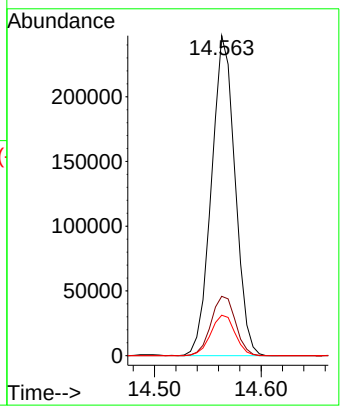
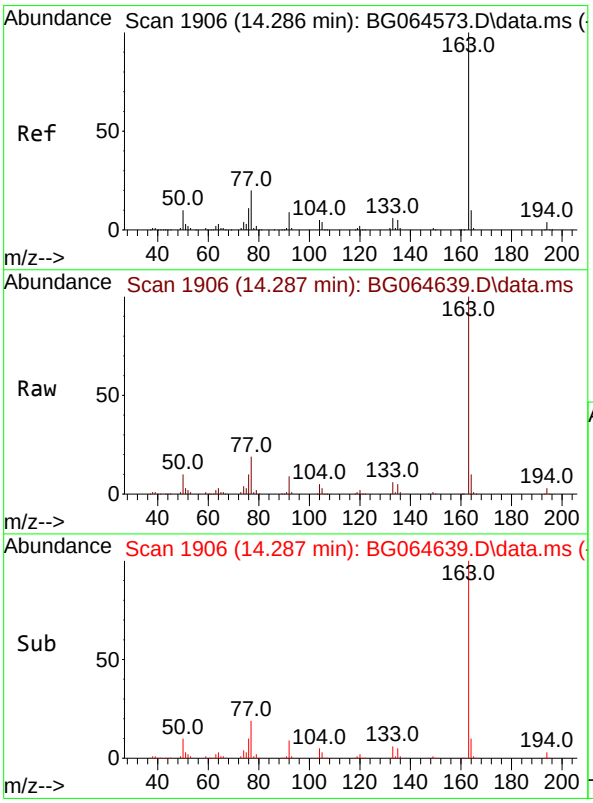
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

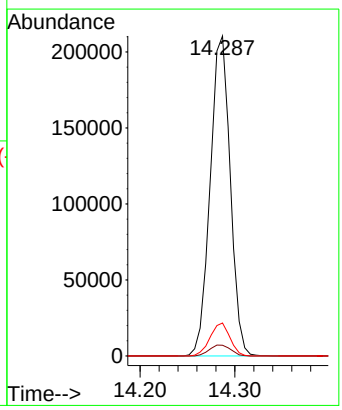


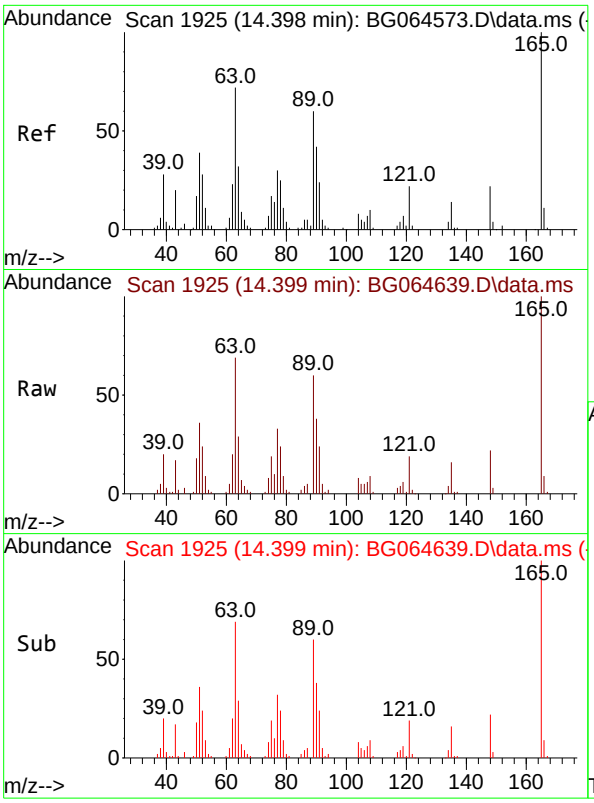


#50
Dimethylphthalate
Concen: 40.165 ng
RT: 14.287 min Scan# 1906
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:163 Resp: 308978

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	10.3	7.7	11.5

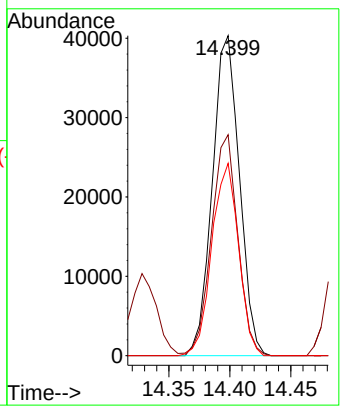




#51
2,6-Dinitrotoluene
Concen: 48.961 ng
RT: 14.399 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:165 Resp: 6223

Ion	Ratio	Lower	Upper
165	100		
63	69.0	57.4	86.0
89	60.1	47.8	71.8



Instrument :
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ClientSampleId :
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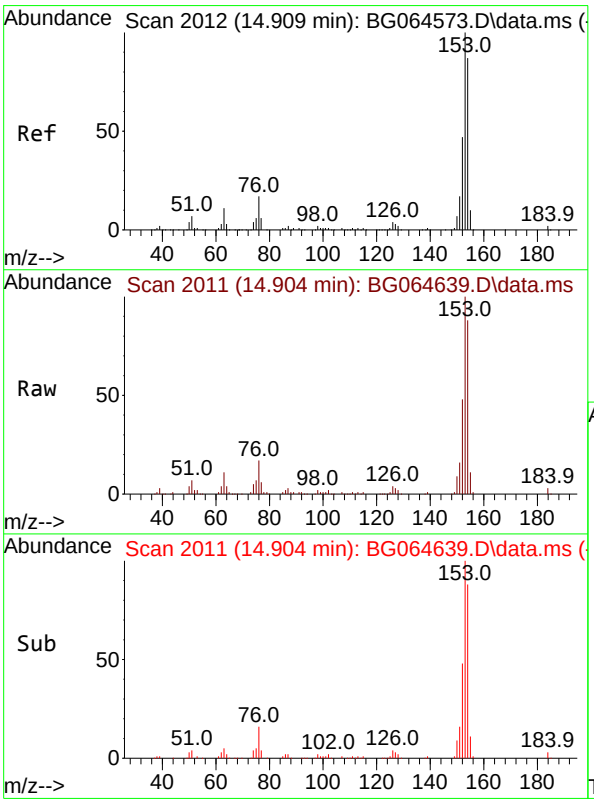
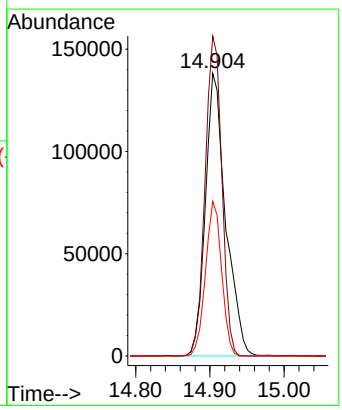
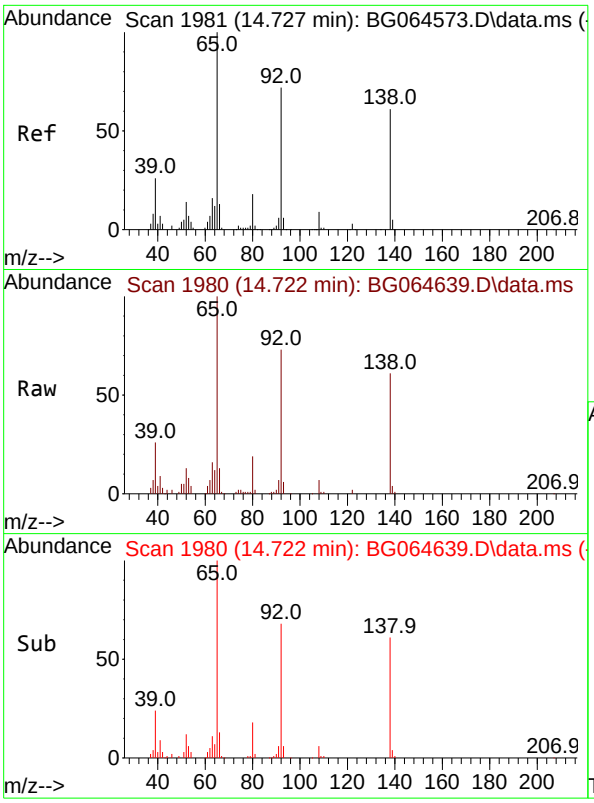


#52
Acenaphthene
Concen: 45.269 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:154 Resp: 263186

Ion	Ratio	Lower	Upper
154	100		
153	113.2	92.2	138.4
152	54.7	43.2	64.8





#53
3-Nitroaniline
Concen: 33.095 ng
RT: 14.722 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:138 Resp: 4375

Ion	Ratio	Lower	Upper
138	100		
108	12.0	11.4	17.0
92	119.8	95.3	142.9

Instrument :
BNA_G
ClientSampleId :
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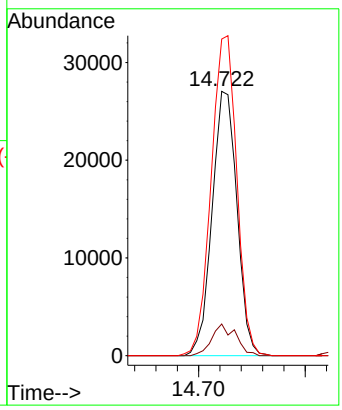
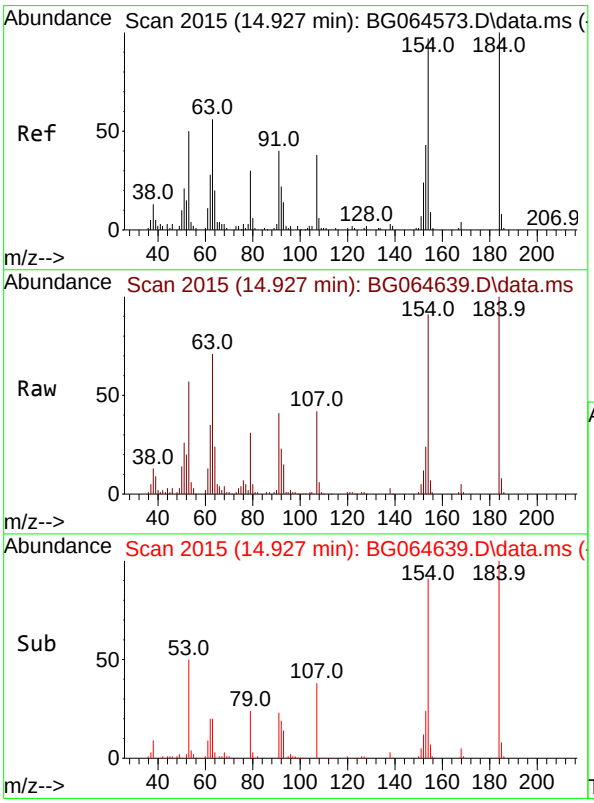
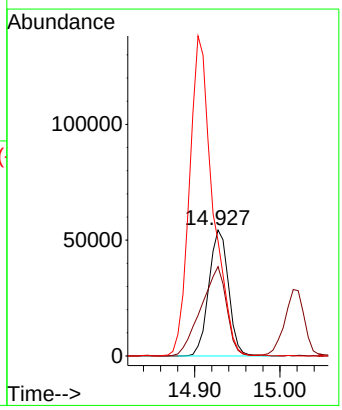


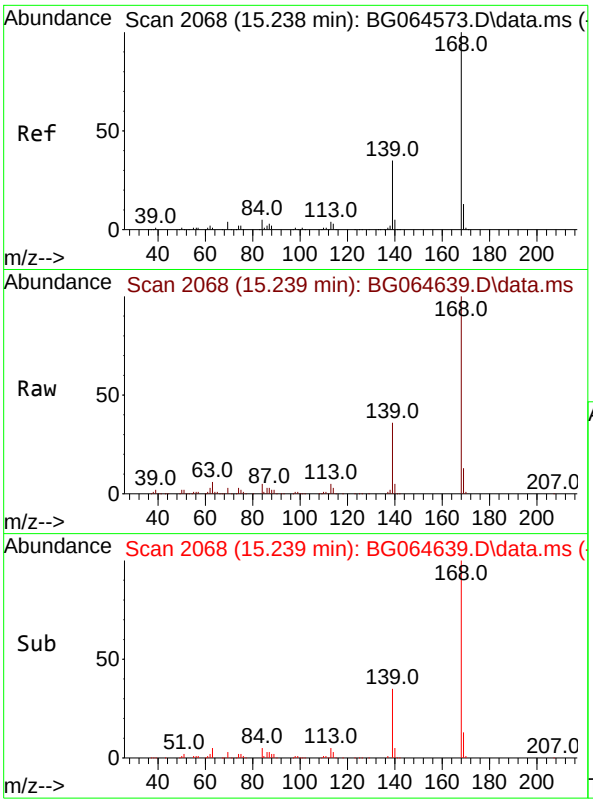


#54
2,4-Dinitrophenol
Concen: 109.532 ng
RT: 14.927 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:184 Resp: 87034

Ion	Ratio	Lower	Upper
184	100		
63	70.8	56.6	85.0
154	91.4	158.6	238.0#

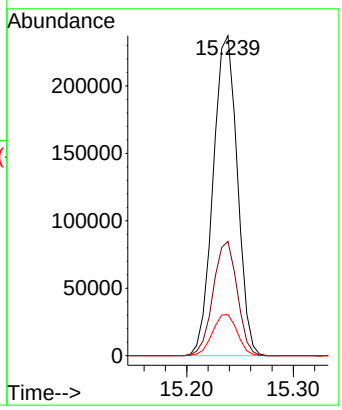




#55
Dibenzofuran
Concen: 39.772 ng
RT: 15.239 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:168 Resp: 37382

Ion	Ratio	Lower	Upper
168	100		
139	35.7	27.8	41.8
169	12.9	10.3	15.5



Instrument :
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ClientSampleId :
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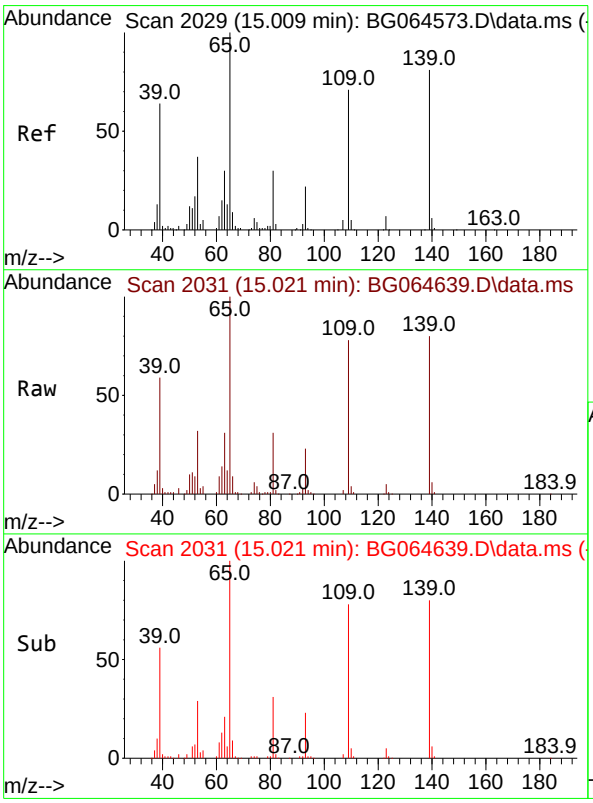
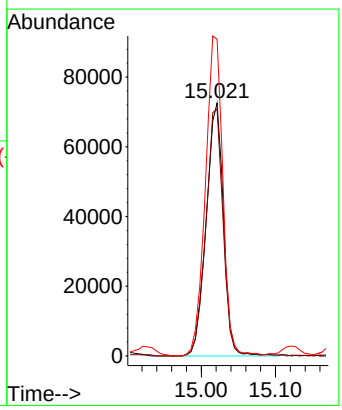
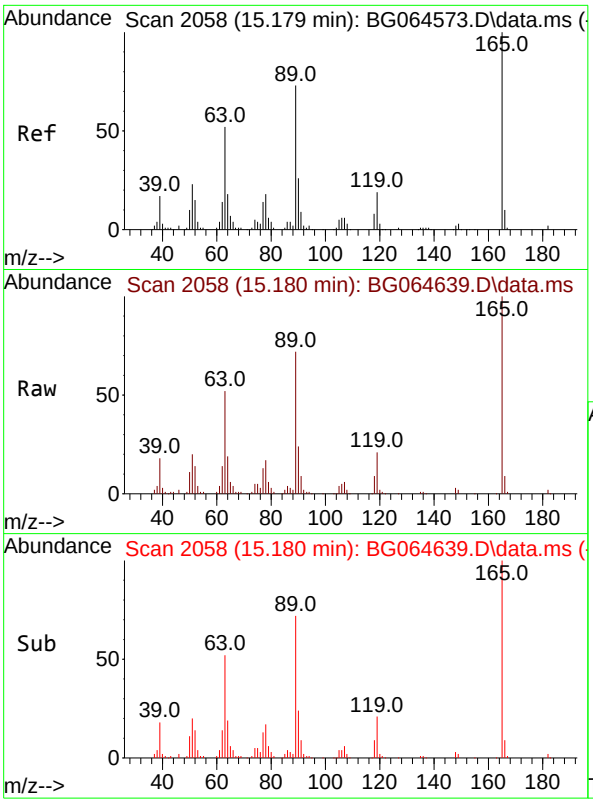


#56
4-Nitrophenol
Concen: 95.838 ng
RT: 15.021 min Scan# 2031
Delta R.T. 0.012 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:139 Resp: 117470

Ion	Ratio	Lower	Upper
139	100		
109	97.6	67.8	107.8
65	125.4	103.7	143.7

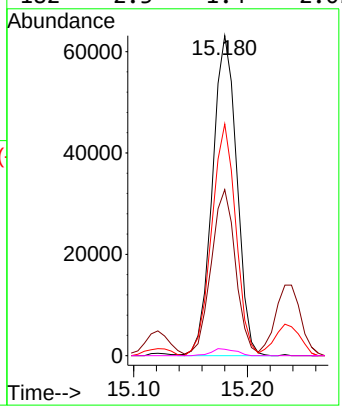




#57
2,4-Dinitrotoluene
Concen: 47.869 ng
RT: 15.180 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:165 Resp: 9392

Ion	Ratio	Lower	Upper
165	100		
63	51.9	41.8	62.8
89	72.4	58.1	87.1
182	2.3	1.4	2.0#



Instrument :
BNA_G
ClientSampleId :
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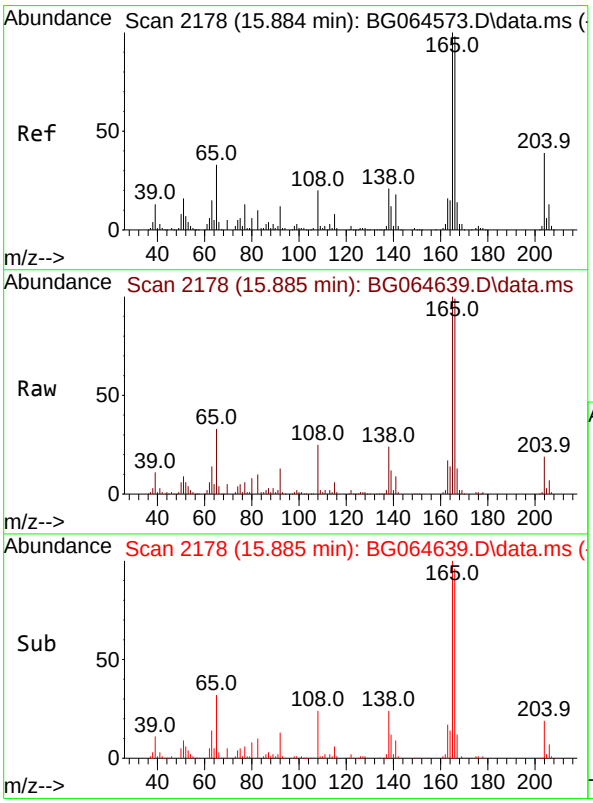
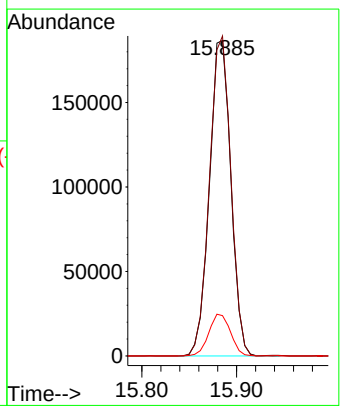
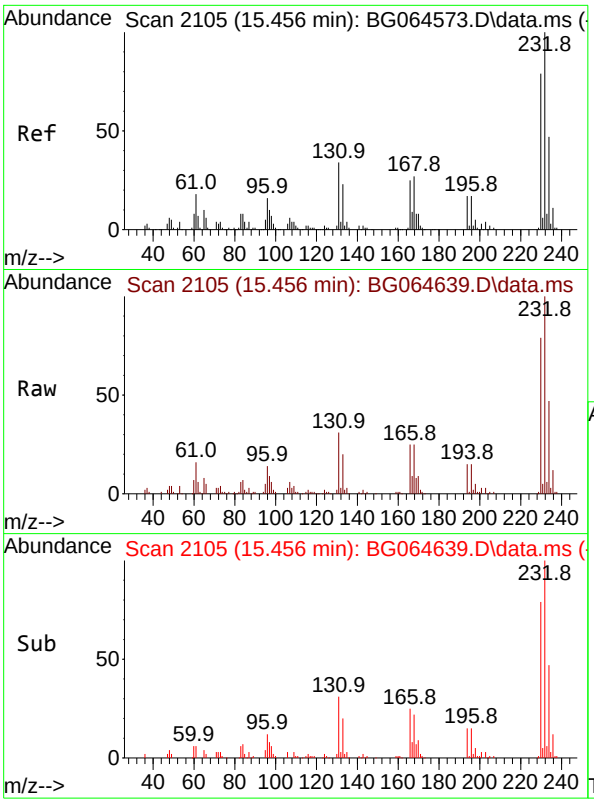


#58
Fluorene
Concen: 39.978 ng
RT: 15.885 min Scan# 2178
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:166 Resp: 293455

Ion	Ratio	Lower	Upper
166	100		
165	101.4	81.5	122.3
167	12.8	11.4	17.0

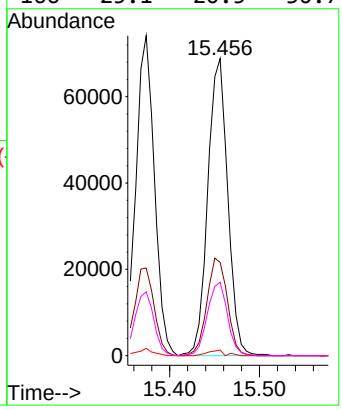




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.841 ng
RT: 15.456 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:232 Resp: 10614

Ion	Ratio	Lower	Upper
232	100		
131	33.7	26.7	40.1
130	1.6	1.6	2.4
166	25.1	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
PB170286BSD

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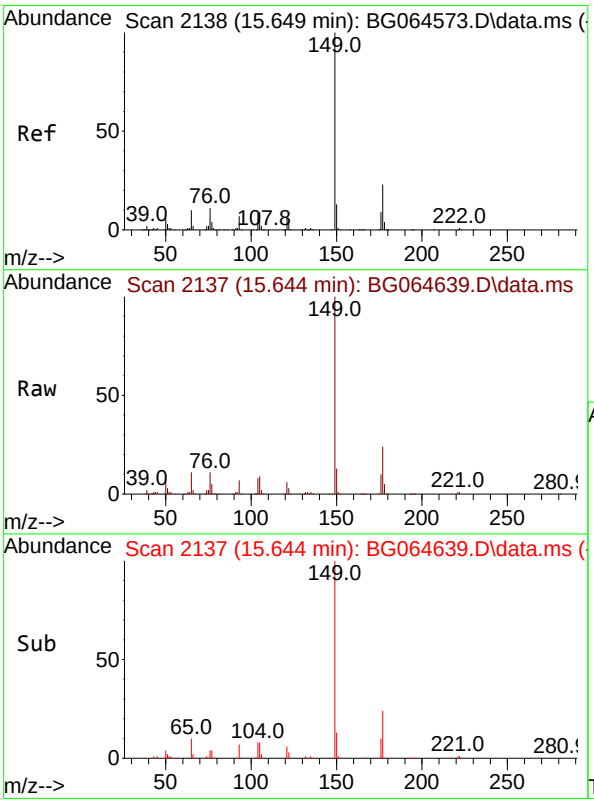
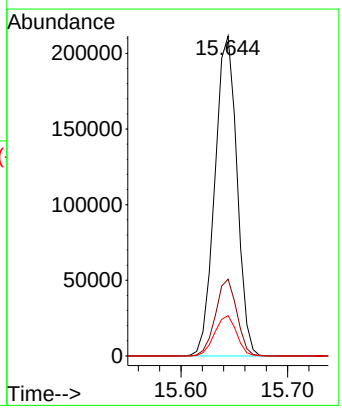
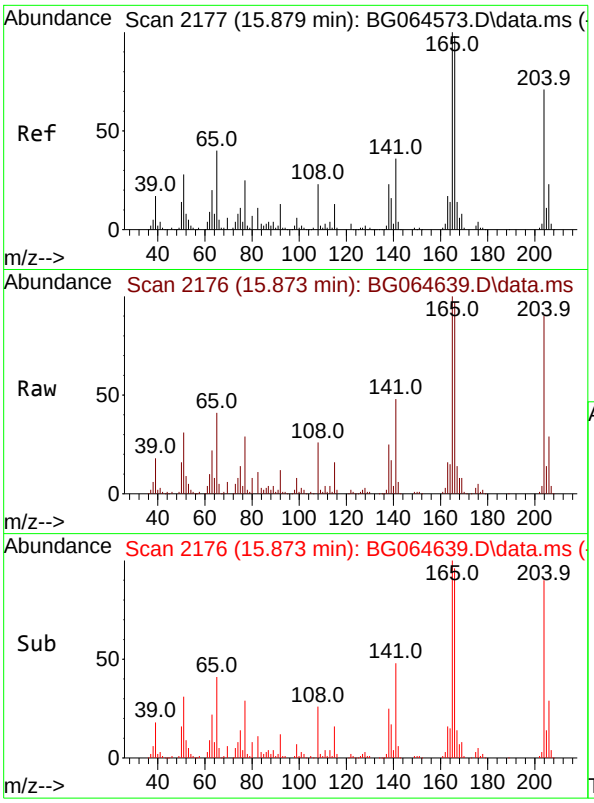


#60
Diethylphthalate
Concen: 38.734 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:149 Resp: 304241

Ion	Ratio	Lower	Upper
149	100		
177	24.0	18.0	27.0
150	12.6	10.2	15.4

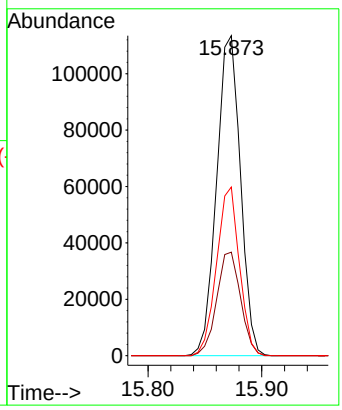




#61
4-Chlorophenyl-phenylether
Concen: 40.121 ng
RT: 15.873 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:204 Resp: 16527

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.6	38.4
141	52.7	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
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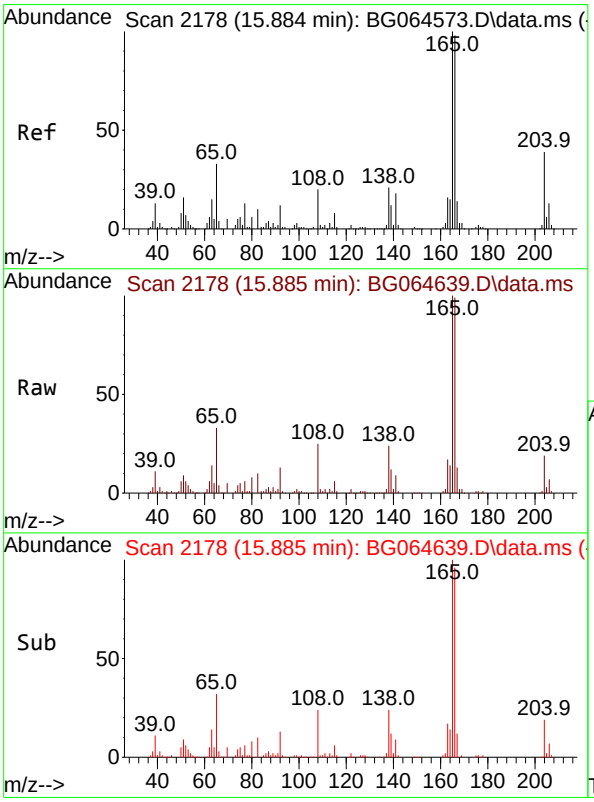
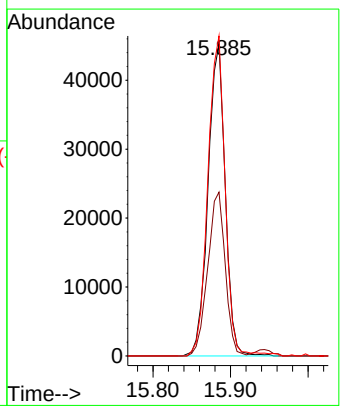
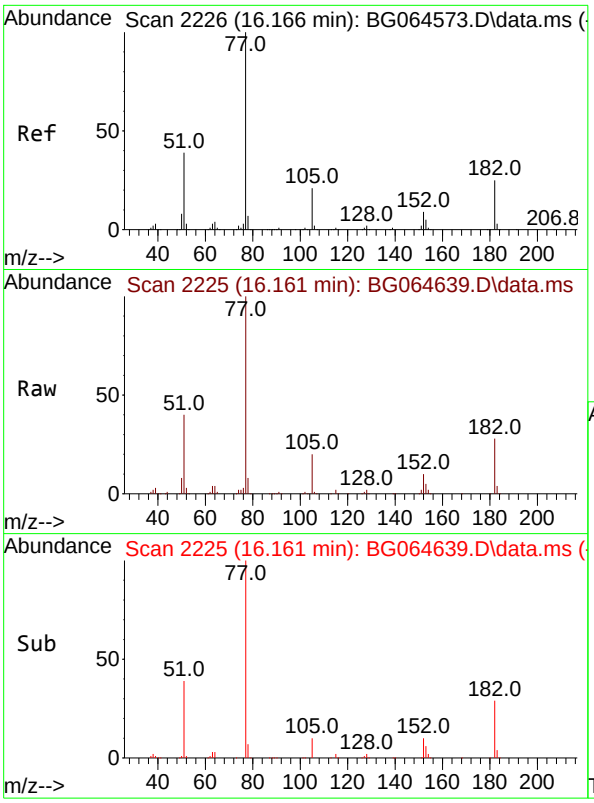


#62
4-Nitroaniline
Concen: 47.304 ng
RT: 15.885 min Scan# 2178
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:138 Resp: 69573

Ion	Ratio	Lower	Upper
138	100		
92	52.5	36.1	76.1
108	102.5	75.6	115.6

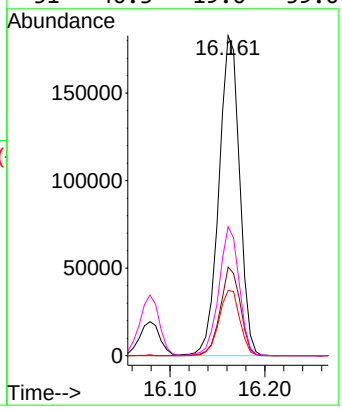




#63
Azobenzene
Concen: 38.511 ng
RT: 16.161 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion: 77 Resp: 27754

Ion	Ratio	Lower	Upper
77	100		
182	27.7	4.9	44.9
105	20.4	1.3	41.3
51	40.3	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
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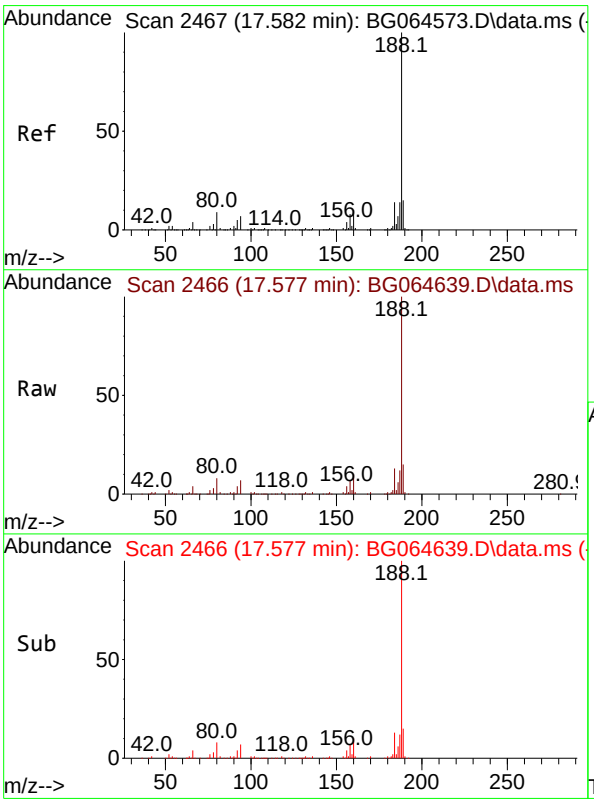
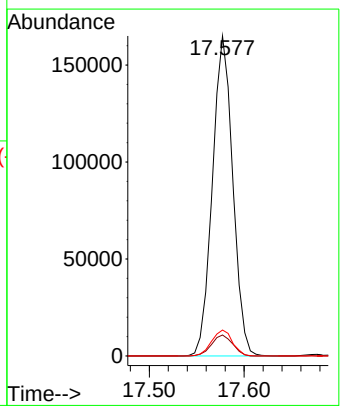
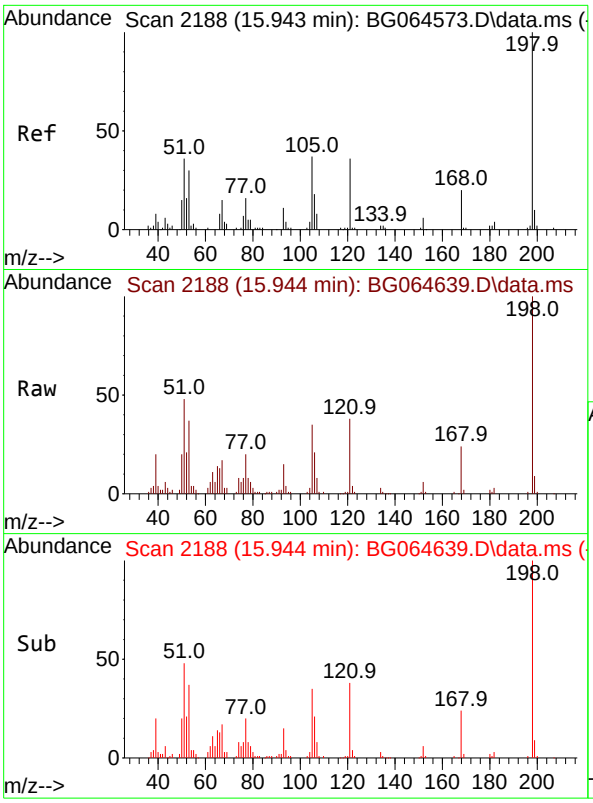


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:188 Resp: 246375

Ion	Ratio	Lower	Upper
188	100		
94	6.6	5.7	8.5
80	8.1	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 55.123 ng
RT: 15.944 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:198 Resp: 6074

Ion	Ratio	Lower	Upper
198	100		
51	47.9	24.7	64.7
105	35.0	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
PB170286BSD

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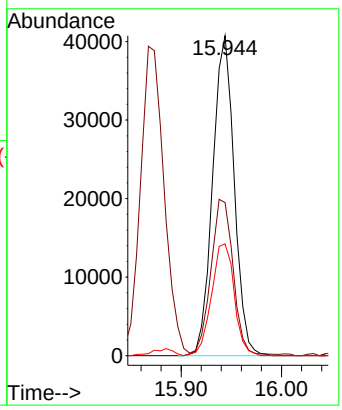
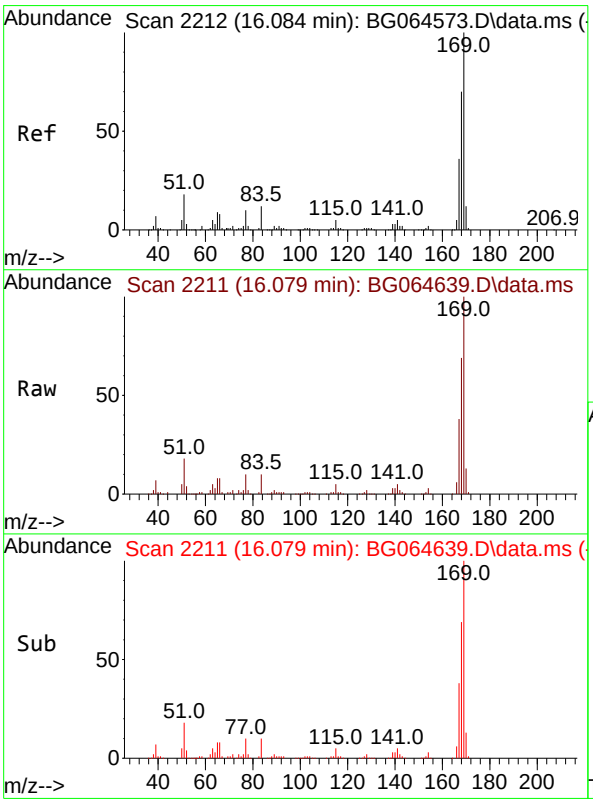
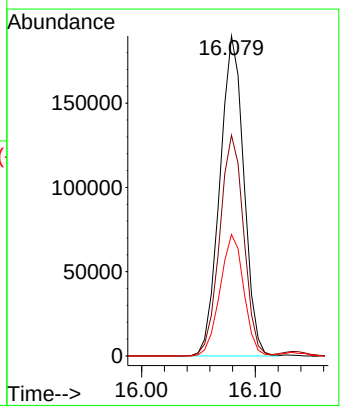


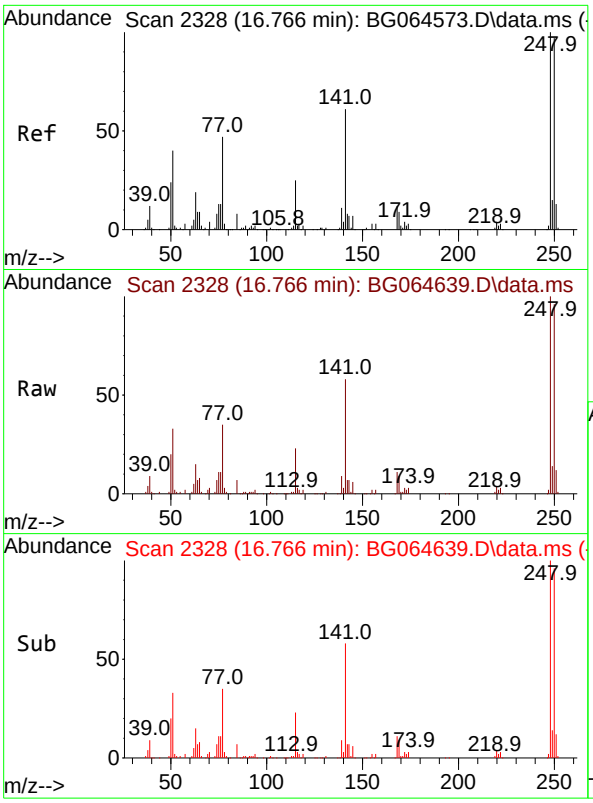


#66
n-Nitrosodiphenylamine
Concen: 41.795 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:169 Resp: 278158

Ion	Ratio	Lower	Upper
169	100		
168	69.0	56.3	84.5
167	37.9	29.0	43.6

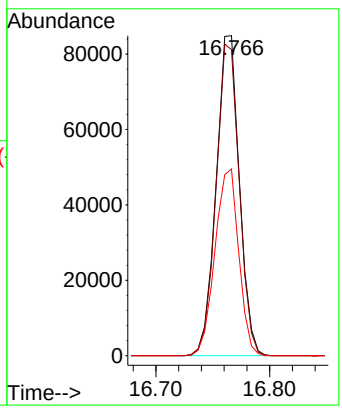




#67
4-Bromophenyl-phenylether
Concen: 41.320 ng
RT: 16.766 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:248 Resp: 12063

Ion	Ratio	Lower	Upper
248	100		
250	95.7	77.7	116.5
141	58.3	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
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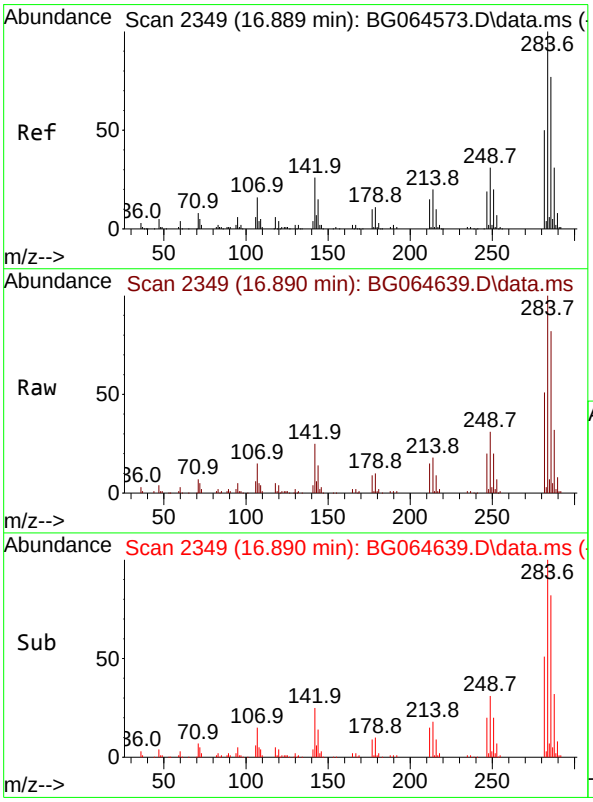
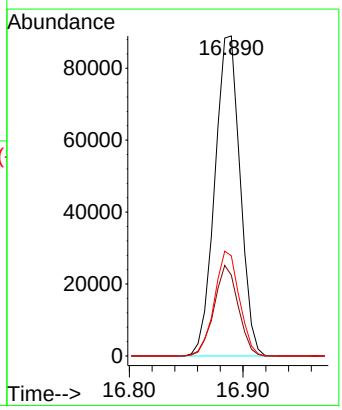
Supervised By :mohammad ahmed 11/05/2025

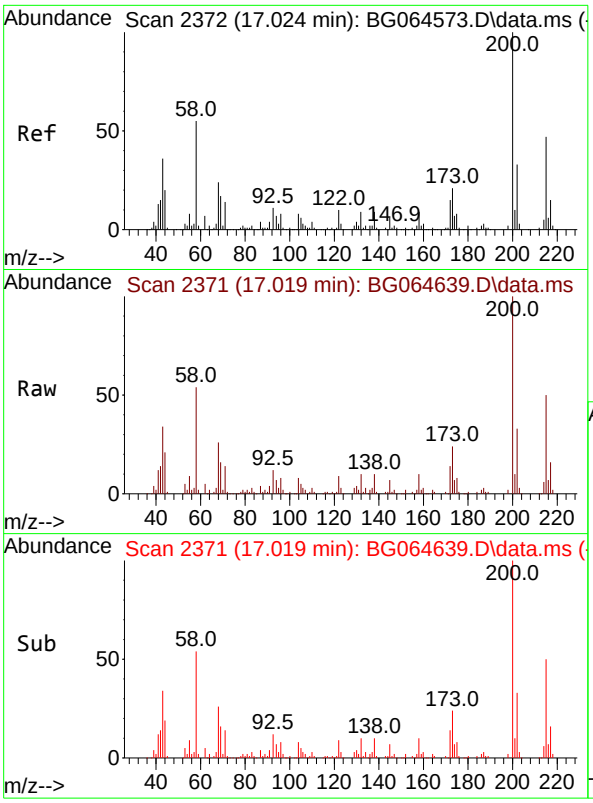


#68
Hexachlorobenzene
Concen: 41.281 ng
RT: 16.890 min Scan# 2349
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:284 Resp: 137499

Ion	Ratio	Lower	Upper
284	100		
142	25.2	21.0	31.6
249	33.9	24.9	37.3

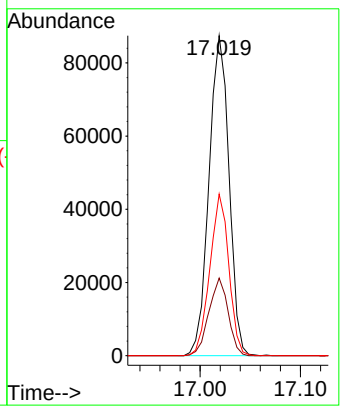




#69
Atrazine
Concen: 42.241 ng
RT: 17.019 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:200 Resp: 12097

Ion	Ratio	Lower	Upper
200	100		
173	24.3	0.9	40.9
215	50.5	27.0	67.0



Instrument :
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ClientSampleId :
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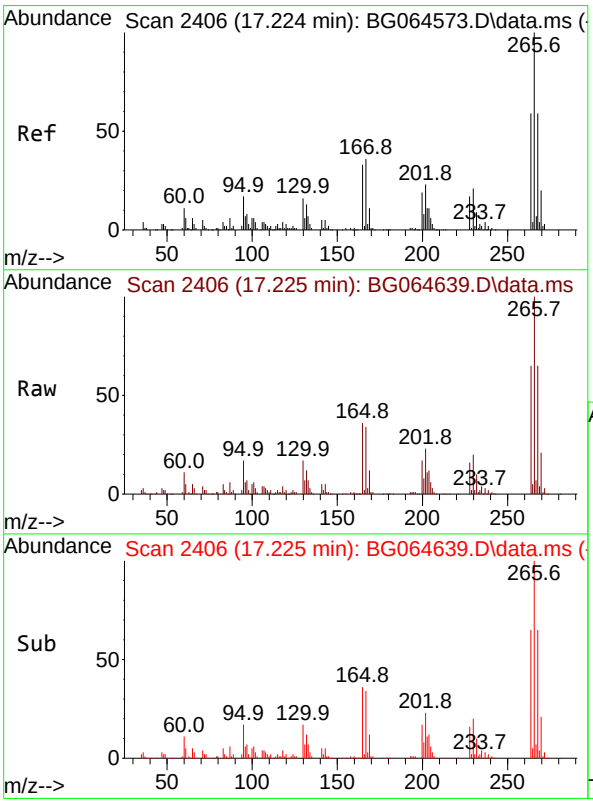
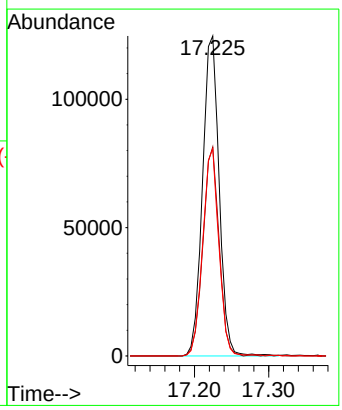
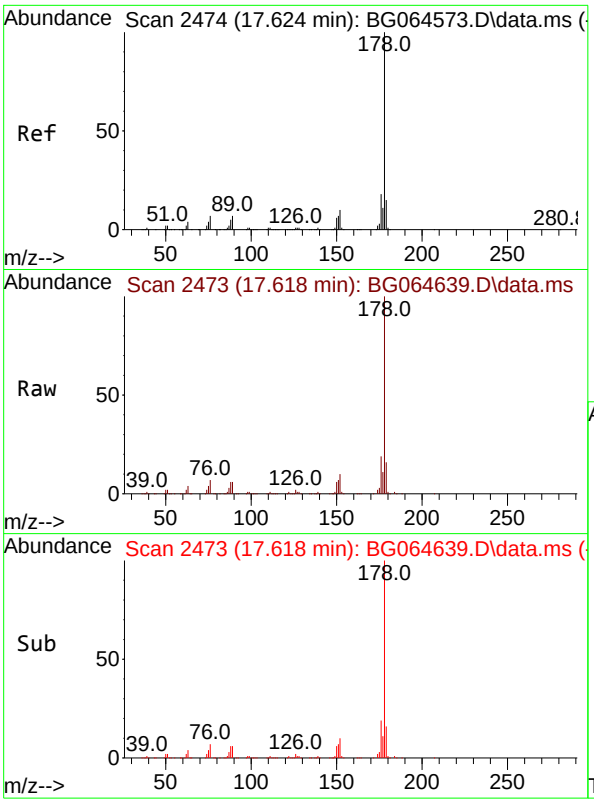


#70
Pentachlorophenol
Concen: 93.297 ng
RT: 17.225 min Scan# 2406
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:266 Resp: 193782

Ion	Ratio	Lower	Upper
266	100		
268	69.3	50.3	75.5
264	69.6	47.3	70.9

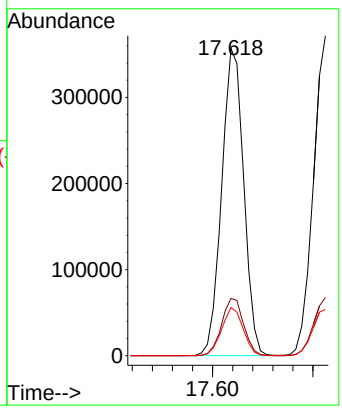




#71
Phenanthrene
Concen: 40.288 ng
RT: 17.618 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:178 Resp: 54280

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.7	12.2	18.4



Instrument :
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ClientSampleId :
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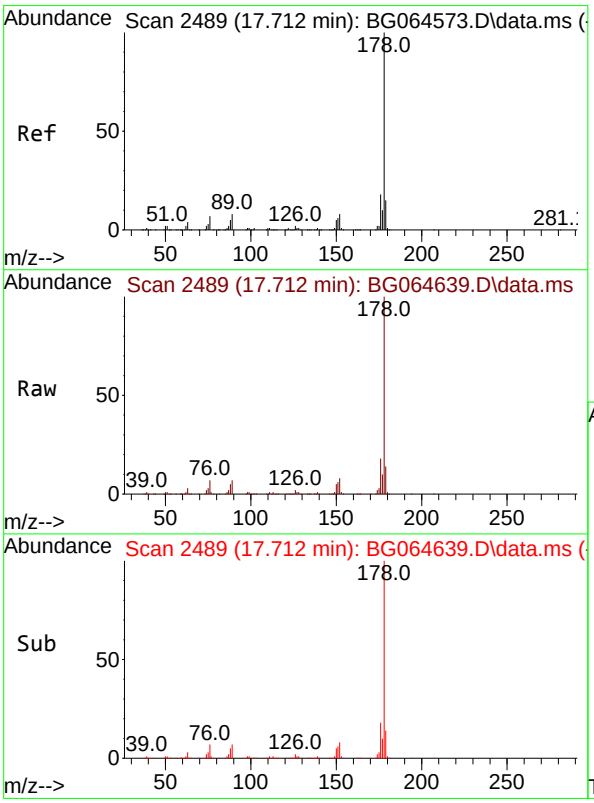
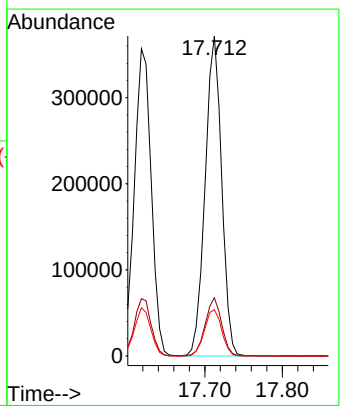
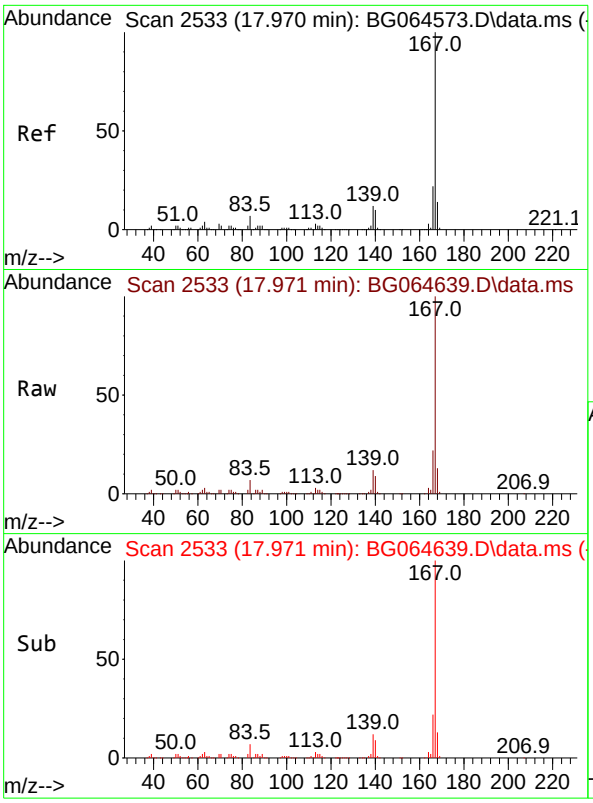


#72
Anthracene
Concen: 40.098 ng
RT: 17.712 min Scan# 2489
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:178 Resp: 549560

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.4	21.6
179	14.5	12.4	18.6

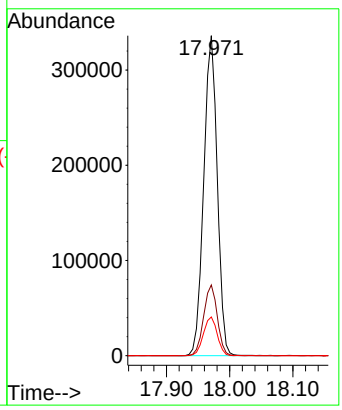




#73
Carbazole
Concen: 41.289 ng
RT: 17.971 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:167 Resp: 49900

Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.9	26.9
139	12.1	9.7	14.5



Instrument :
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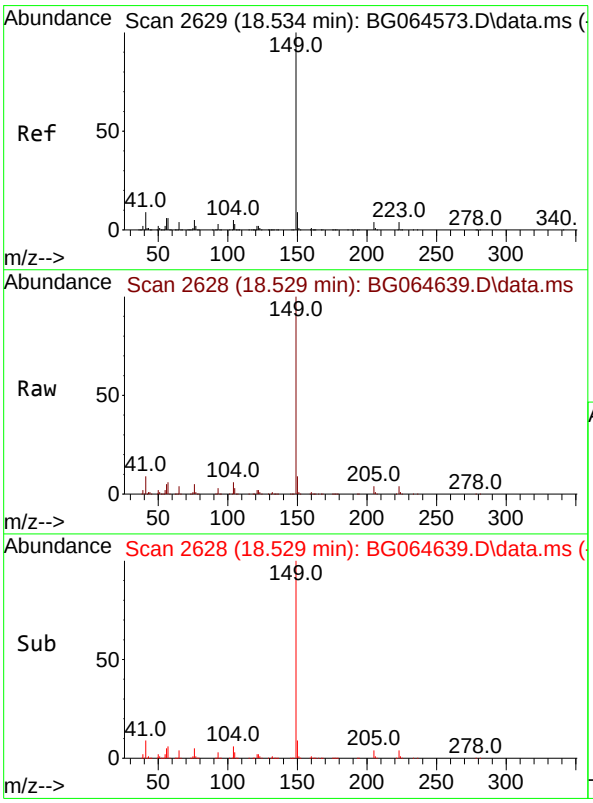
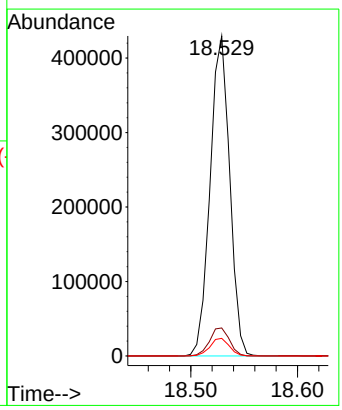
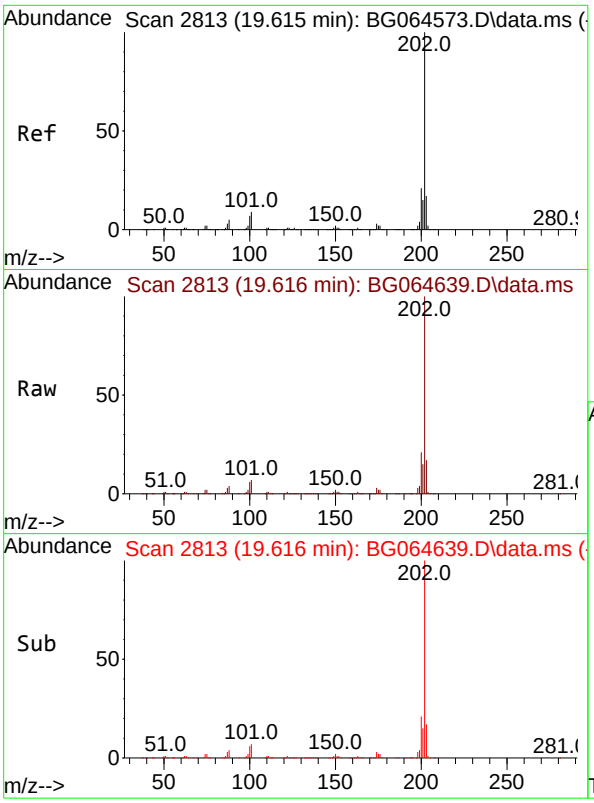


#74
Di-n-butylphthalate
Concen: 39.182 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:149 Resp: 547593

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.5	4.1	6.1

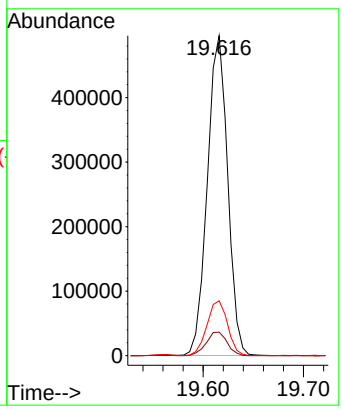




#75
Fluoranthene
Concen: 41.256 ng
RT: 19.616 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:202 Resp: 69633

Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	28.7
203	17.2	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
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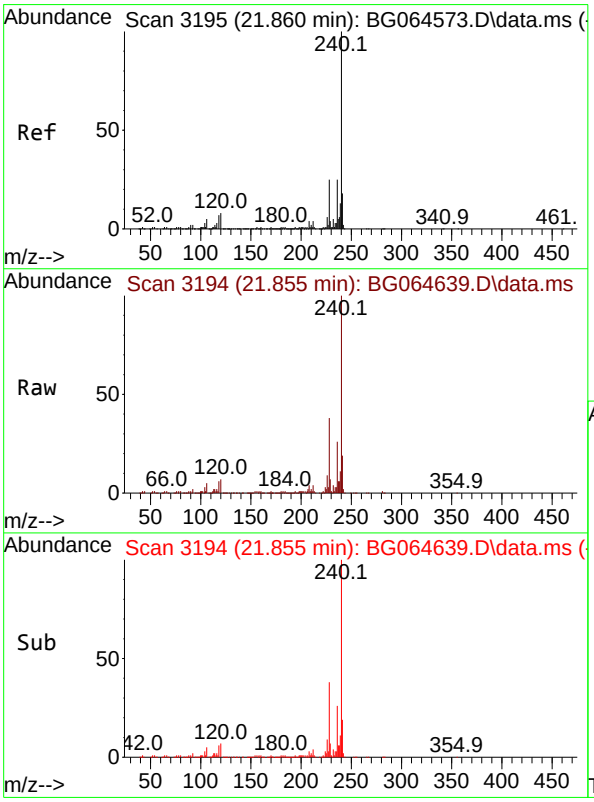
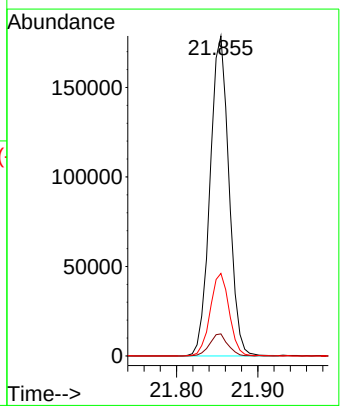
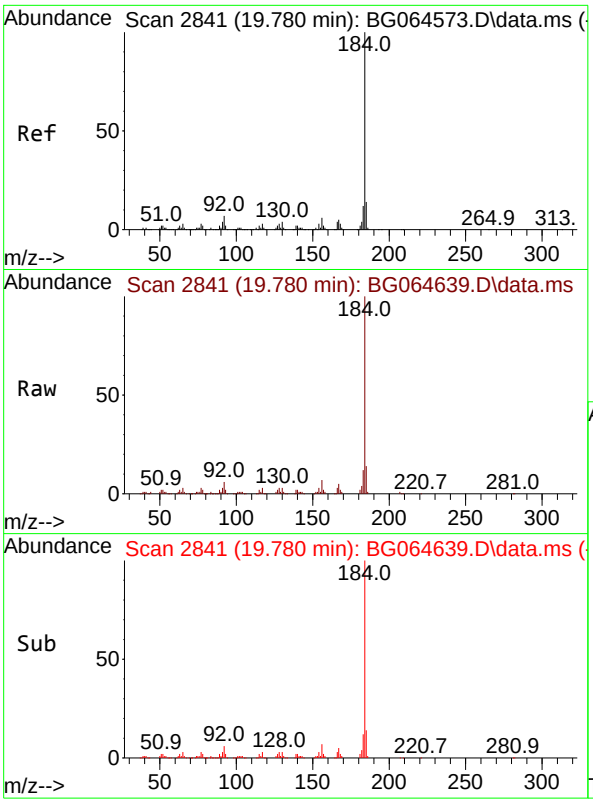


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.855 min Scan# 3194
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:240 Resp: 288758

Ion	Ratio	Lower	Upper
240	100		
120	6.9	6.5	9.7
236	25.8	20.2	30.2

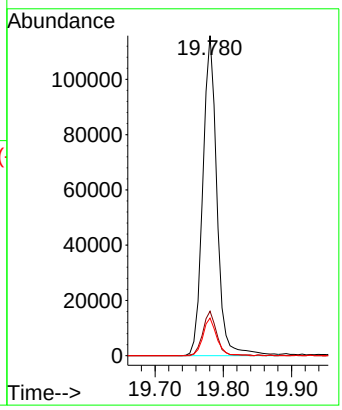




#77
Benzidine
Concen: 25.808 ng
RT: 19.780 min Scan# 2
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:184 Resp: 16696

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



Instrument :
BNA_G
ClientSampleId :
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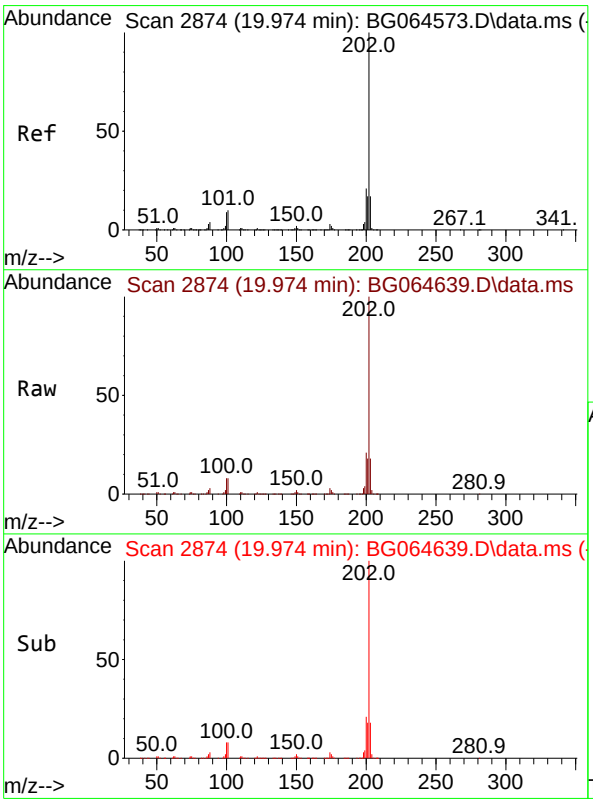
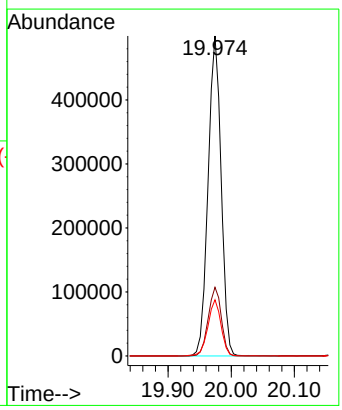
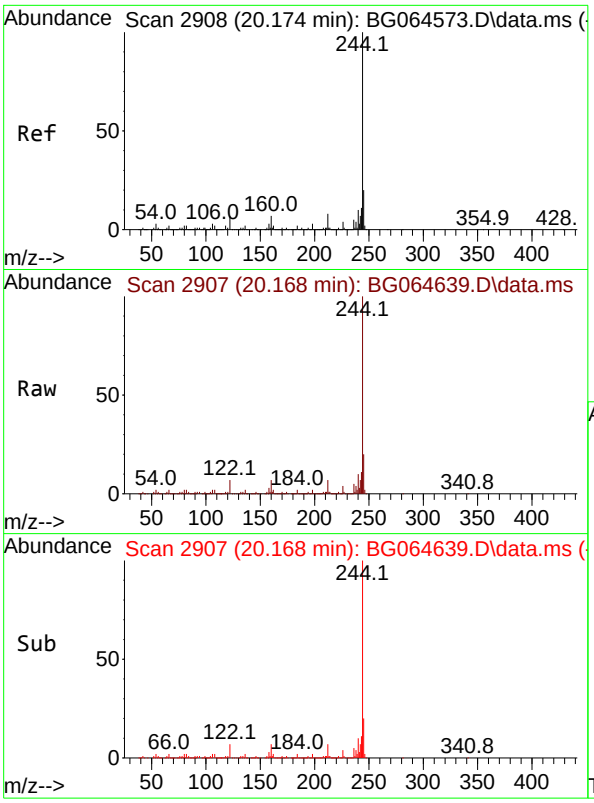


#78
Pyrene
Concen: 37.932 ng
RT: 19.974 min Scan# 2874
Delta R.T. 0.001 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:202 Resp: 715626

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.4
203	17.5	13.8	20.6

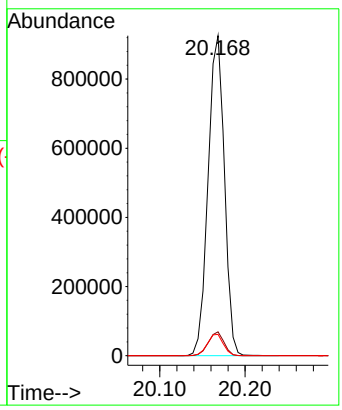




#79
Terphenyl-d14
Concen: 80.635 ng
RT: 20.168 min Scan# 2
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:244 Resp: 123381

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.1	9.1
122	6.6	5.6	8.4



Instrument :
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ClientSampleId :
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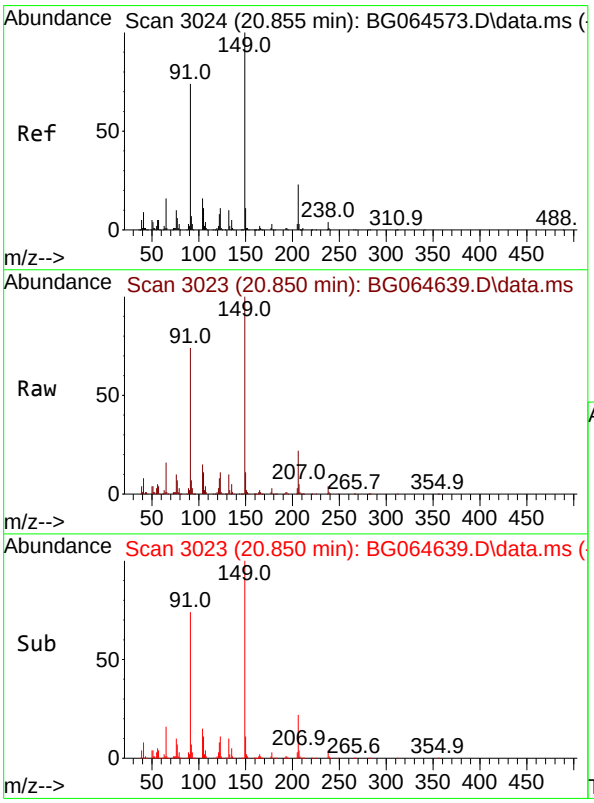
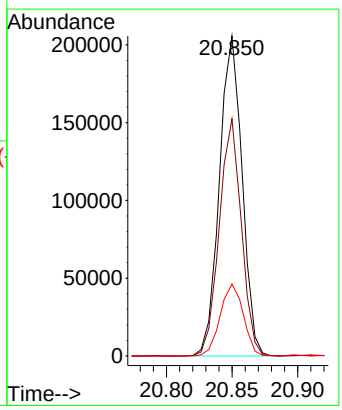
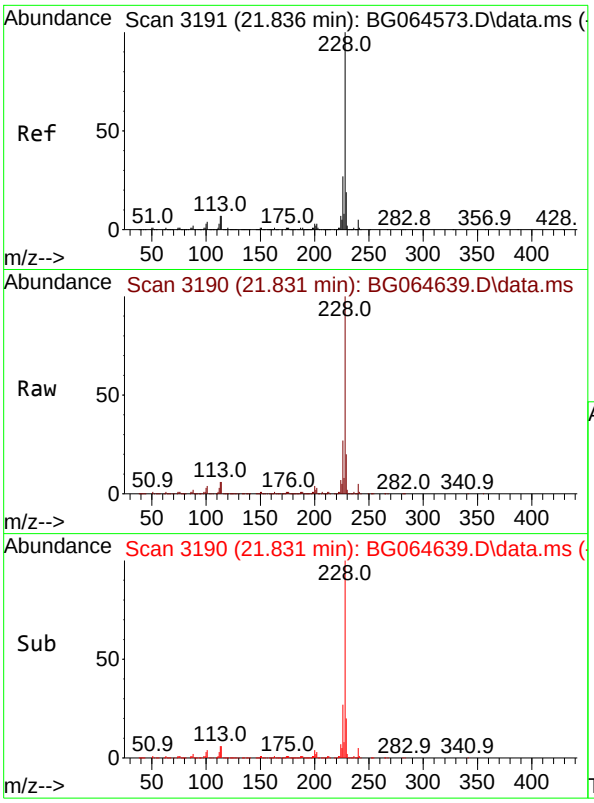


#80
Butylbenzylphthalate
Concen: 43.302 ng
RT: 20.850 min Scan# 3023
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:149 Resp: 246906

Ion	Ratio	Lower	Upper
149	100		
91	74.0	59.2	88.8
206	22.5	18.1	27.1





#81
Benzo(a)anthracene
Concen: 40.700 ng
RT: 21.831 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:228 Resp: 77925

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	19.9	15.6	23.4

Instrument :
BNA_G
ClientSampleId :
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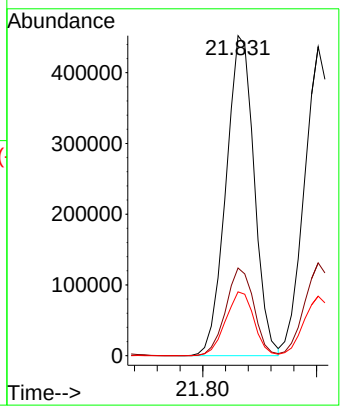
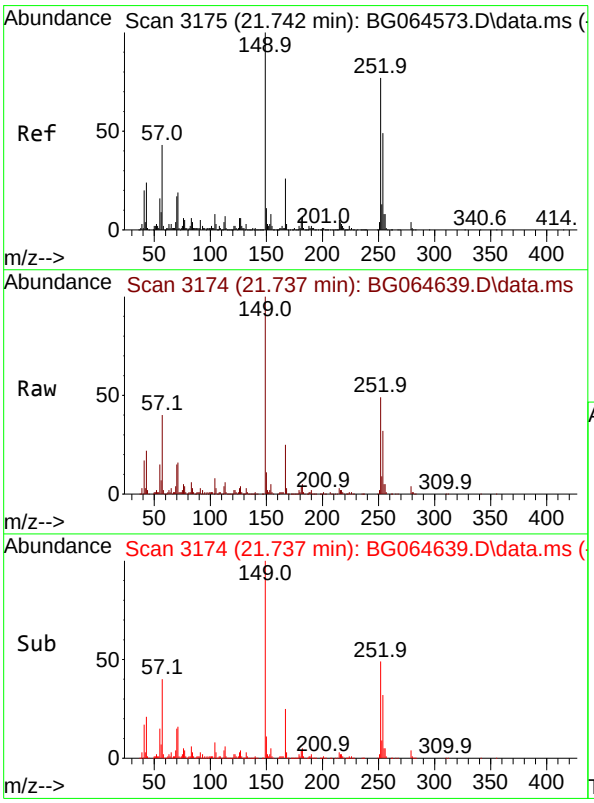
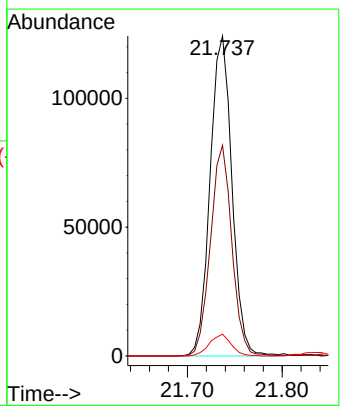


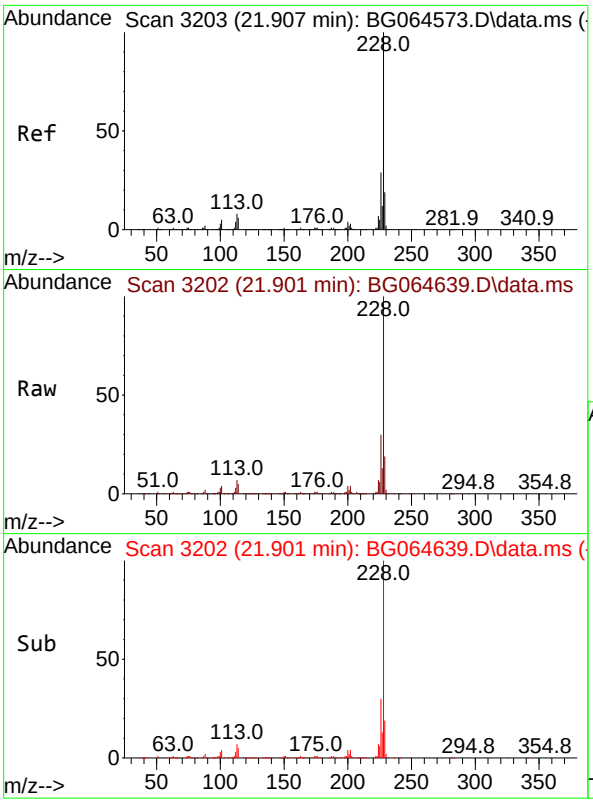


#82
3,3'-Dichlorobenzidine
Concen: 31.081 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:252 Resp: 198719

Ion	Ratio	Lower	Upper
252	100		
254	65.9	50.8	76.2
126	6.8	5.8	8.6

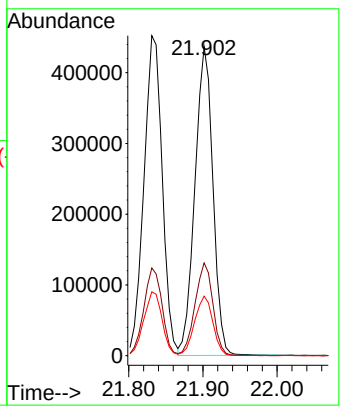




#83
Chrysene
Concen: 40.503 ng
RT: 21.901 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:228 Resp: 73789

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.3	34.9
229	19.3	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
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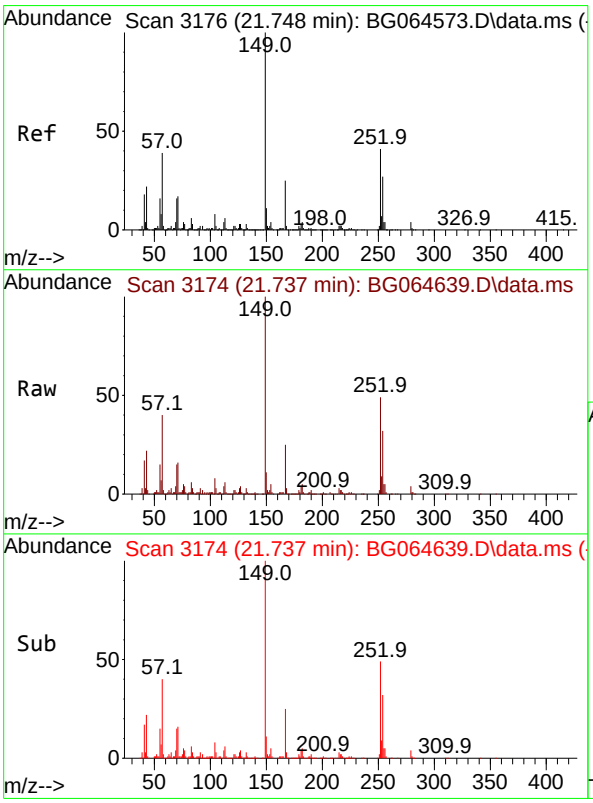
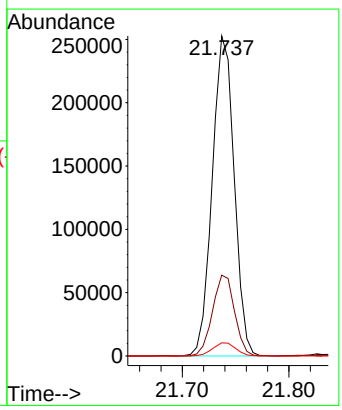
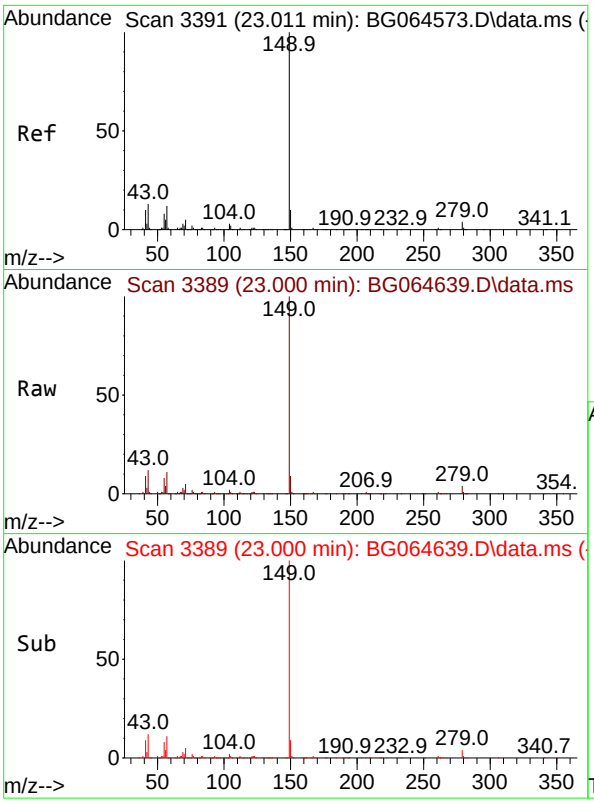


#84
Bis(2-ethylhexyl)phthalate
Concen: 42.284 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.011 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:149 Resp: 360268

Ion	Ratio	Lower	Upper
149	100		
167	25.2	20.0	30.0
279	4.1	3.1	4.7

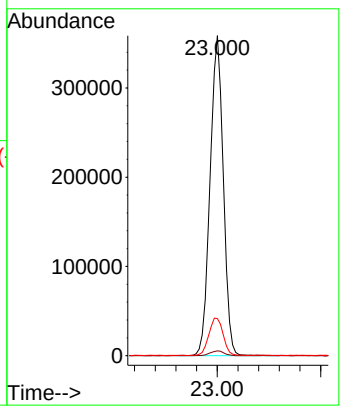




#85
Di-n-octyl phthalate
Concen: 44.338 ng
RT: 23.000 min Scan# 3
Delta R.T. -0.011 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:149 Resp: 63690

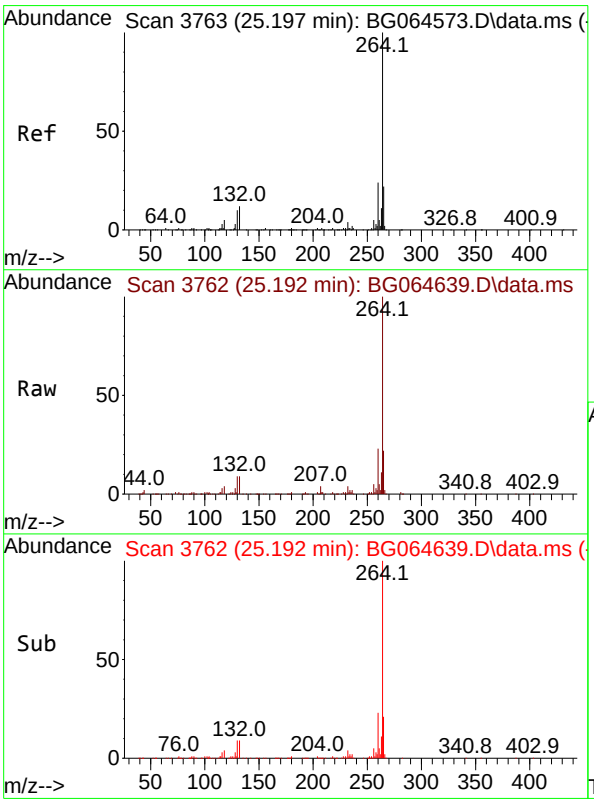
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	12.6	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
PB170286BSD

Manual Integrations
APPROVED

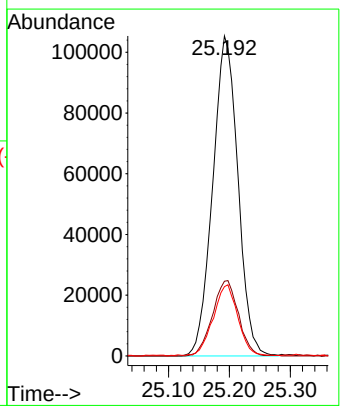
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

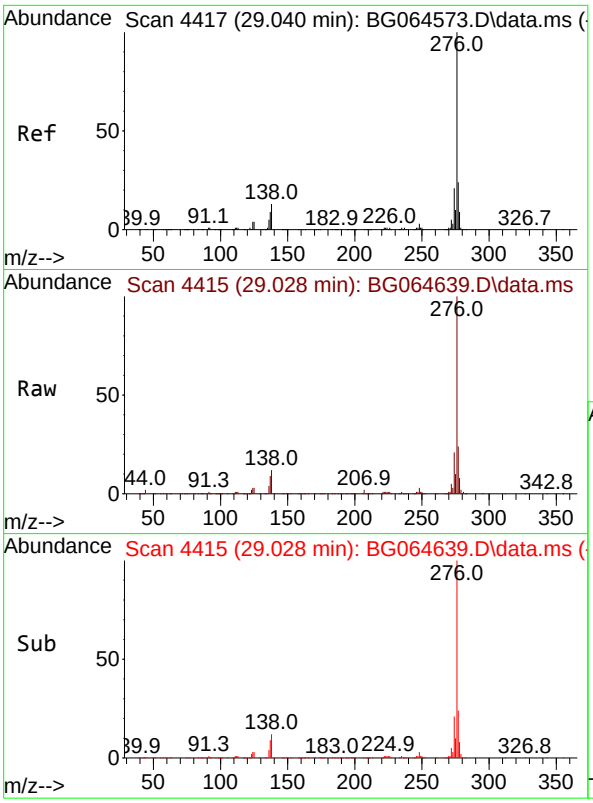


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.192 min Scan# 3762
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:264 Resp: 302411

Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.0	28.4
265	21.7	17.6	26.4

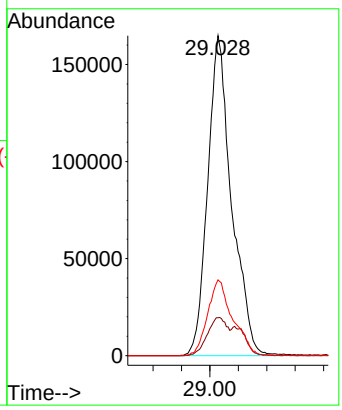




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.344 ng
RT: 29.028 min Scan# 44
Delta R.T. -0.011 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:276 Resp: 96423

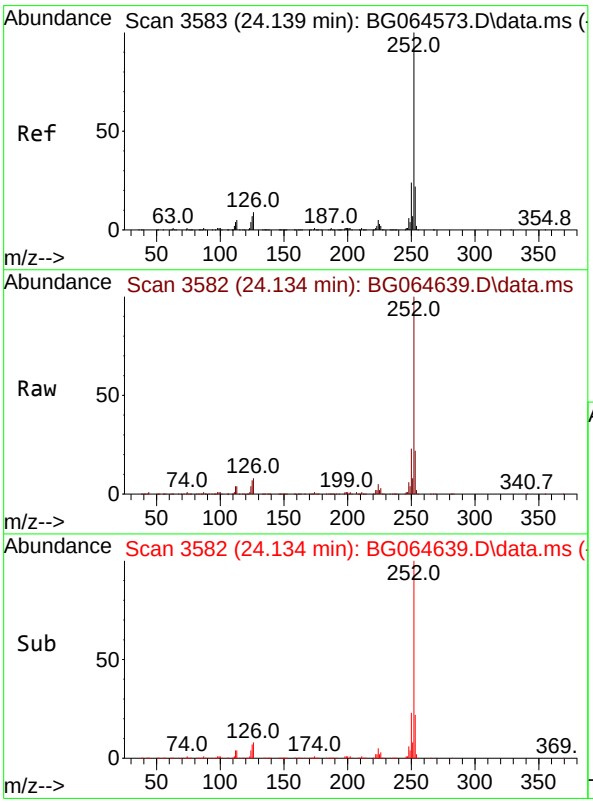
Ion	Ratio	Lower	Upper
276	100		
138	10.0	10.8	16.2
277	24.9	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
PB170286BSD

Manual Integrations
APPROVED

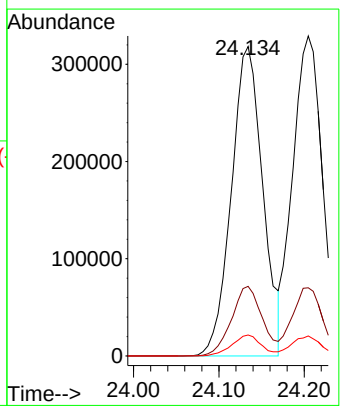
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

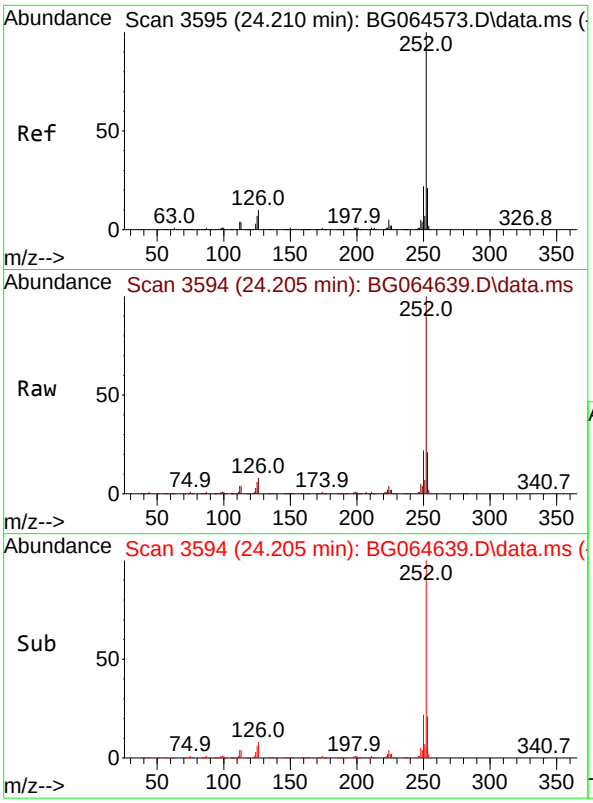


#88
Benzo(b)fluoranthene
Concen: 43.942 ng
RT: 24.134 min Scan# 3582
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:252 Resp: 814847

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	6.8	5.6	8.4

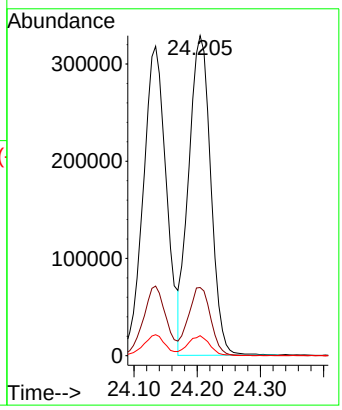




#89
Benzo(k)fluoranthene
Concen: 43.029 ng
RT: 24.205 min Scan# 3
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:252 Resp: 79846

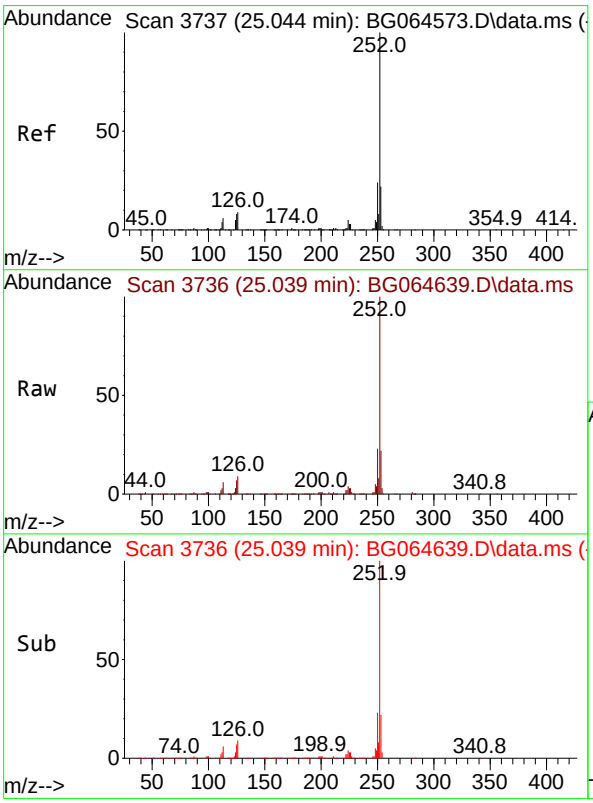
Ion	Ratio	Lower	Upper
252	100		
253	21.3	16.8	25.2
125	6.3	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
PB170286BSD

Manual Integrations
APPROVED

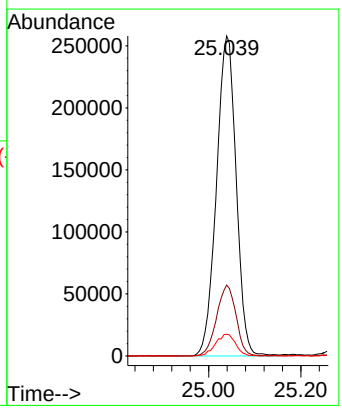
Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

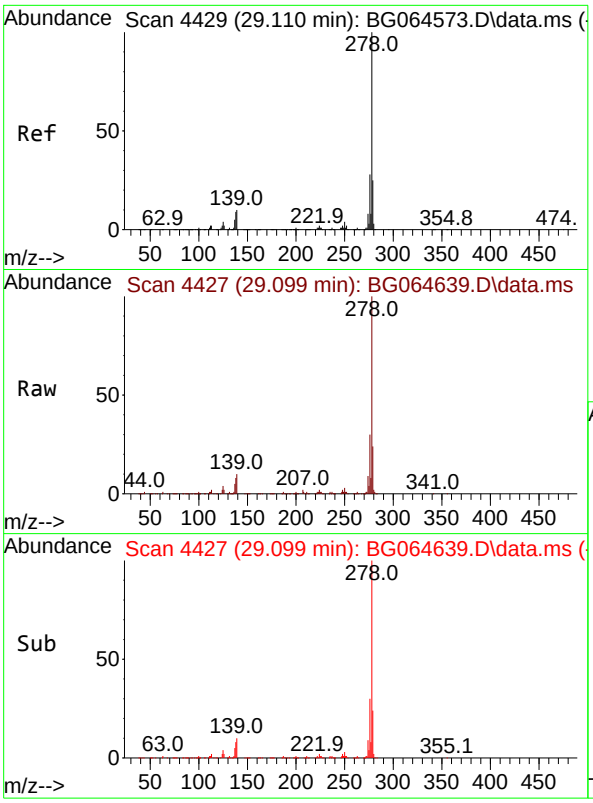


#90
Benzo(a)pyrene
Concen: 44.774 ng
RT: 25.039 min Scan# 3736
Delta R.T. -0.005 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:252 Resp: 763198

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	6.8	6.1	9.1





#91
Dibenzo(a,h)anthracene
Concen: 44.421 ng
RT: 29.099 min Scan# 4
Delta R.T. -0.011 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

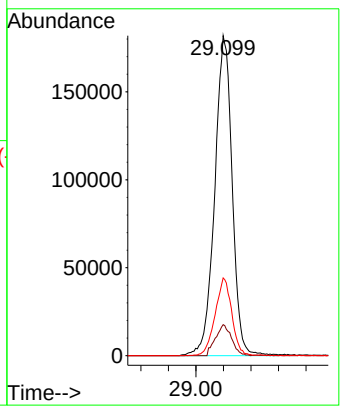
Tgt Ion:278 Resp: 80284

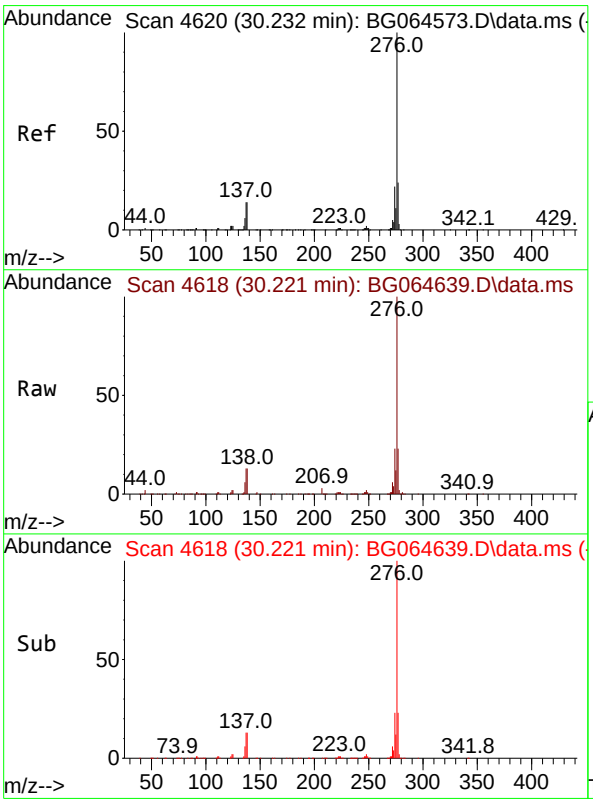
Ion	Ratio	Lower	Upper
278	100		
139	9.7	8.0	12.0
279	24.3	19.8	29.6

Instrument :
BNA_G
ClientSampleId :
PB170286BSD

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/04/2025
Supervised By :mohammad ahmed 11/05/2025

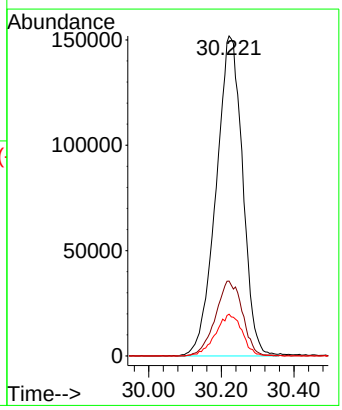




#92
Benzo(g,h,i)perylene
Concen: 44.641 ng
RT: 30.221 min Scan# 4618
Delta R.T. -0.011 min
Lab File: BG064639.D
Acq: 30 Oct 2025 13:39

Tgt Ion:276 Resp: 770738

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.1	28.7
138	13.0	11.3	16.9



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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	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC005	BG064570.D	1-Methylnaphthalene	rahul	10/27/2025 8:32:20 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC010	BG064571.D	Benzoic acid	rahul	10/27/2025 8:32:22 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC020	BG064572.D	Benzoic acid	rahul	10/27/2025 8:32:28 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICCC040	BG064573.D	Benzoic acid	rahul	10/27/2025 8:33:01 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC060	BG064574.D	Benzoic acid	Jagrut	11/4/2025 3:47:57 PM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC080	BG064575.D	Benzoic acid	Jagrut	11/4/2025 3:48:00 PM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software
SSTDICC050	BG064576.D	Benzoic acid	rahul	10/27/2025 8:33:12 AM	mohammad	11/5/2025 12:11:16 AM	Peak Integrated by Software

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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
Q3468-01	BG064629.D	1-Methylnaphthalene	rahul	10/30/2025 8:49:58 AM	mohammad	11/5/2025 12:11:38 AM	Peak Integrated by Software
Q3468-02	BG064630.D	1-Methylnaphthalene	rahul	10/30/2025 8:50:01 AM	mohammad	11/5/2025 12:11:38 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BG103025	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170286BS	BG064638.D	Caprolactam	Jagrut	11/4/2025 3:53:35 PM	mohammad	11/5/2025 12:11:43 AM	Peak Integrated by Software
PB170286BSD	BG064639.D	Caprolactam	Jagrut	11/4/2025 3:53:38 PM	mohammad	11/5/2025 12:11:43 AM	Peak Integrated by Software

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	mohammad	Supervise On	11/5/2025 12:11:16 AM				
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
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

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	mohammad	Supervise On	11/5/2025 12:11:38 AM				
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

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Fax : 908 789 8922

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG103025

Review By	rahul	Review On	10/30/2025 4:42:36 PM				
Supervise By	mohammad	Supervise On	11/5/2025 12:11:43 AM				
SubDirectory	BG103025	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	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064635.D	30 Oct 2025 10:55	RC/JU	Ok
2	SSTDCCC040	BG064636.D	30 Oct 2025 11:36	RC/JU	Ok
3	PB170286BL	BG064637.D	30 Oct 2025 12:17	RC/JU	Ok
4	PB170286BS	BG064638.D	30 Oct 2025 12:58	RC/JU	Ok,M
5	PB170286BSD	BG064639.D	30 Oct 2025 13:39	RC/JU	Ok,M
6	PB170306BL	BG064640.D	30 Oct 2025 14:20	RC/JU	Ok
7	PB170306BS	BG064641.D	30 Oct 2025 15:00	RC/JU	Ok,M
8	PB170323BL	BG064642.D	30 Oct 2025 15:41	RC/JU	Ok
9	PB170323BS	BG064643.D	30 Oct 2025 16:23	RC/JU	Not Ok
10	PB170295TB	BG064644.D	30 Oct 2025 17:04	RC/JU	Ok
11	Q3477-02	BG064645.D	30 Oct 2025 17:48	RC/JU	Ok
12	Q3477-02MS	BG064646.D	30 Oct 2025 18:29	RC/JU	Ok,M
13	Q3477-02MSD	BG064647.D	30 Oct 2025 19:10	RC/JU	Ok,M
14	Q3480-02	BG064648.D	30 Oct 2025 19:51	RC/JU	Ok
15	Q3482-01	BG064649.D	30 Oct 2025 20:32	RC/JU	Ok
16	Q3482-03	BG064650.D	30 Oct 2025 21:13	RC/JU	Ok
17	Q3488-06	BG064651.D	30 Oct 2025 21:54	RC/JU	Ok
18	Q3482-05	BG064652.D	30 Oct 2025 22:35	RC/JU	Ok

M : Manual Integration

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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	mohammad	Supervise On	11/5/2025 12:11:16 AM		
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	Compound #32 kept on QR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064573.D	24 Oct 2025 13:03	Compound #26,48,51,54,57,65 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
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

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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	mohammad	Supervise On	11/5/2025 12:11:38 AM		
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

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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	mohammad	Supervise On	11/5/2025 12:11:38 AM		
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

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG103025

Review By	rahul	Review On	10/30/2025 4:42:36 PM		
Supervise By	mohammad	Supervise On	11/5/2025 12:11:43 AM		
SubDirectory	BG103025	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	S13181,10ul/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	BG064635.D	30 Oct 2025 10:55		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064636.D	30 Oct 2025 11:36		RC/JU	Ok
3	PB170286BL	PB170286BL	BG064637.D	30 Oct 2025 12:17		RC/JU	Ok
4	PB170286BS	PB170286BS	BG064638.D	30 Oct 2025 12:58		RC/JU	Ok,M
5	PB170286BSD	PB170286BSD	BG064639.D	30 Oct 2025 13:39		RC/JU	Ok,M
6	PB170306BL	PB170306BL	BG064640.D	30 Oct 2025 14:20		RC/JU	Ok
7	PB170306BS	PB170306BS	BG064641.D	30 Oct 2025 15:00		RC/JU	Ok,M
8	PB170323BL	PB170323BL	BG064642.D	30 Oct 2025 15:41		RC/JU	Ok
9	PB170323BS	PB170323BS	BG064643.D	30 Oct 2025 16:23	I S Low & therefore Recoveries failed	RC/JU	Not Ok
10	PB170295TB	PB170295TB	BG064644.D	30 Oct 2025 17:04		RC/JU	Ok
11	Q3477-02	SOUTH-MAHWAH-SOI	BG064645.D	30 Oct 2025 17:48		RC/JU	Ok
12	Q3477-02MS	SOUTH-MAHWAH-SOI	BG064646.D	30 Oct 2025 18:29		RC/JU	Ok,M
13	Q3477-02MSD	SOUTH-MAHWAH-SOI	BG064647.D	30 Oct 2025 19:10		RC/JU	Ok,M
14	Q3480-02	RT3449	BG064648.D	30 Oct 2025 19:51		RC/JU	Ok
15	Q3482-01	WC-1	BG064649.D	30 Oct 2025 20:32		RC/JU	Ok
16	Q3482-03	WC-3	BG064650.D	30 Oct 2025 21:13		RC/JU	Ok
17	Q3488-06	MOO-25-0311-0313	BG064651.D	30 Oct 2025 21:54		RC/JU	Ok

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Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG103025

Review By	rahul	Review On	10/30/2025 4:42:36 PM		
Supervise By	mohammad	Supervise On	11/5/2025 12:11:43 AM		
SubDirectory	BG103025	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	S13181,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3482-05	WC-5	BG064652.D	30 Oct 2025 22:35		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170286

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3953

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 10/28/2025

Extraction Start Time : 08:50

Extraction End Date : 10/28/2025

Extraction End Time : 13:50

Concentration By: EH

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
Methylene Chloride	N/A	E3980
Baked Na2SO4	N/A	EP2655
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

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

KD Bath ID: WATER BATH-1

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/28/25	RS (Ext lab)	JH/ SVOC
13:55	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170286

Analytical Method: M3510C,3580A-Extraction SVOC-21 **Concentration Date:** 10/28/2025

Sample ID	Client Sample ID	Test	g /(mL)	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170286BL	SBLK286	SVOCMS Group1	1000	6	RUPESH	ritesh	1			SEP-1
PB170286BS	SLCS286	SVOCMS Group1	1000	6	RUPESH	ritesh	1			2
PB170286BSD	SLCSD286	SVOCMS Group1	1000	6	RUPESH	ritesh	1			3
Q3434-02	PR132-WC2-20251022	SVOC-TCL BNA -20	880	6	RUPESH	ritesh	1	F		4
Q3468-01	MW-06	SVOCMS Group1	980	6	RUPESH	ritesh	1	E		5
Q3468-02	MW-08	SVOCMS Group1	990	6	RUPESH	ritesh	1	E		6
Q3468-03	MW-10	SVOCMS Group1	970	6	RUPESH	ritesh	1	E		7
Q3468-04	MW-11	SVOCMS Group1	990	6	RUPESH	ritesh	1	E		8
Q3468-05	MW-13	SVOCMS Group1	1000	6	RUPESH	ritesh	1	E		9
Q3468-06	MW-12	SVOCMS Group1	950	12	RUPESH	ritesh	1	E		10

RS 10/28

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

170286
8:50

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3468 **WorkList ID :** 192726 **Department :** Extraction **Date :** 10-28-2025 08:42:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3434-02	PR132-WC2-20251022	Water	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D41	10/22/2025	8270E
Q3468-01	MW-06	Water	SVOCMS Group1	Cool 4 deg C	LIRO01	D41	10/23/2025	8270E
Q3468-02	MW-08	Water	SVOCMS Group1	Cool 4 deg C	LIRO01	D41	10/23/2025	8270E
Q3468-03	MW-10	Water	SVOCMS Group1	Cool 4 deg C	LIRO01	D41	10/23/2025	8270E
Q3468-04	MW-11	Water	SVOCMS Group1	Cool 4 deg C	LIRO01	D41	10/23/2025	8270E
Q3468-05	MW-13	Water	SVOCMS Group1	Cool 4 deg C	LIRO01	D41	10/23/2025	8270E
Q3468-06	MW-12	Water	SVOCMS Group1	Cool 4 deg C	LIRO01	D41	10/23/2025	8270E

Date/Time 10/28/25 8:45
Raw Sample Received by: RS (Ext-Lab)
Raw Sample Relinquished by:

Date/Time 10/28/25 9:15
Raw Sample Received by:
Raw Sample Relinquished by: RS (Ext-Lab)

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Prep Standard - Chemical Standard Summary

Order ID : Q3468

Test : SVOCMS Group1

Prepbatch ID : PB170286,

Sequence ID/Qc Batch ID: BF102925,BG102925,BG103025,

Standard ID :
EP2609,EP2610,EP2655,SP6856,SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864,SP6865,SP6869,SP6871,SP6872,SP6875,

Chemical ID :
10ul/1000ul sample,E3657,E3875,E3932,E3954,E3965,E3973,E3980,M6157,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,S13180,S13181,S13207,S13214,S13233,S13239,S13240,S13241,S13242,S13243,S13244,S13269,W3112,

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2609	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
314	1.1 H2SO4 SOLN	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2655	10/24/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 10/24/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

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

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SVOC STANDARD PREPARATION LOG

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

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

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SVOC STANDARD PREPARATION LOG

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

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

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SVOC STANDARD PREPARATION LOG

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

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

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SVOC STANDARD PREPARATION LOG

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

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

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SVOC STANDARD PREPARATION LOG

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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	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

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

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SVOC STANDARD PREPARATION LOG

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.	PC19510-5 / Sodium Hydroxide Pellets 2.5 Kg, Pk of 4	23B1556310	12/31/2025	12/04/2023 / Rajesh	12/01/2023 / Rajesh	E3657

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	07/28/2026	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-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-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25C1262005	04/16/2026	09/15/2025 / Riteshkumar	09/15/2025 / Riteshkumar	E3973

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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	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 #
Seidler Chemical	BA-9673-33 / Sulfuric Acid, Instra-Analyzed (cs/6c2.5L)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

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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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

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	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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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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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	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	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	03/31/2031	/	06/02/2025 / anahy	S13181

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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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

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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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

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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)

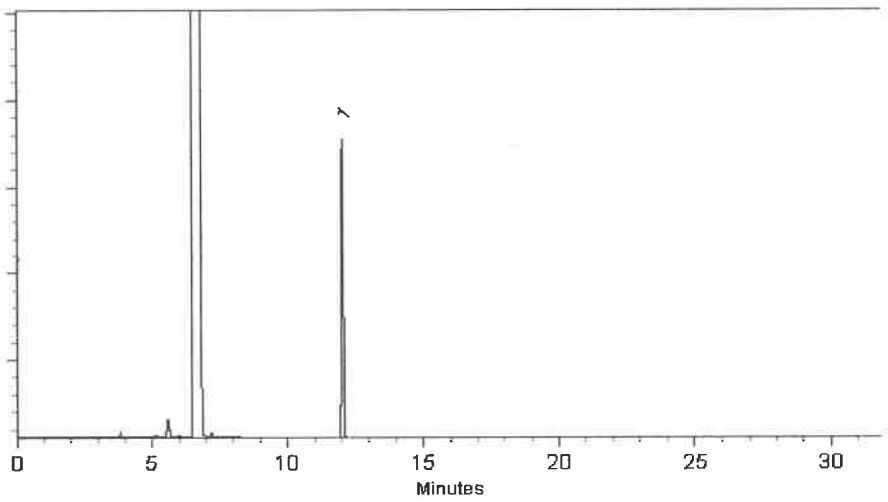
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

VWR®

Certificate of Analysis

Sodium Hydroxide (Pellets)

Material: 0583
Grade: ACS GRADE
Batch Number: 23B1556310

Chemical Formula: NaOH
Molecular Weight: 40
CAS #: 1310-73-2
Appearance:

Pellets

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	<= 0.005 %	<0.005 %	PASS
Chloride	<= 0.005 %	0.002 %	PASS
Heavy Metals	<= 0.002 %	<0.002 %	PASS
Iron	<= 0.001 %	<0.001 %	PASS
Magnesium	<= 0.002 %	<0.002 %	PASS
Mercury	<= 0.1 ppm	<0.1 ppm	PASS
Nickel	<= 0.001 %	<0.001 %	PASS
Nitrogen Compounds	<= 0.001 %	<0.001 %	PASS
Phosphate	<= 0.001 %	<0.001 %	PASS
Potassium	<= 0.02 %	<0.02 %	PASS
Purity	>= 97.0 %	99.2 %	PASS
Sodium Carbonate	<= 1.0 %	0.5 %	PASS
Sulfate	<= 0.003 %	<0.003 %	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

This document has been electronically produced and is valid without a signature.

Leona Edwardson, Quality Control Sr. Manager - Solon
VWR Chemicals, LLC.
28600 Fountain Parkway, Solon OH 44139 USA

Additional Information

Analysis may have been rounded to significant digits in specification limits.

Product meets analytical specifications of the grades listed.

E 3657	E 3659
E 3654	E 3660

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

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

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor | J.T.Baker

M615 MB

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS - Assay (H_2SO_4)	95.0 - 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS - Color (APHA)	<= 10	5
ACS - Residue after Ignition	<= 3 ppm	<1 ppm
ACS - Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities - Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities - Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities - Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities - Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities - Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities - Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities - Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities - Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities - Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities - Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities - Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities - Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities - Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities - Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities - Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities - Silver (Ag)	<= 1.0 ppb	<1.0 ppb

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

J Croak

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

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

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Certificate #3222.01

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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.

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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Reference Material Producer
Certificate #3222.01

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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. : 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.)

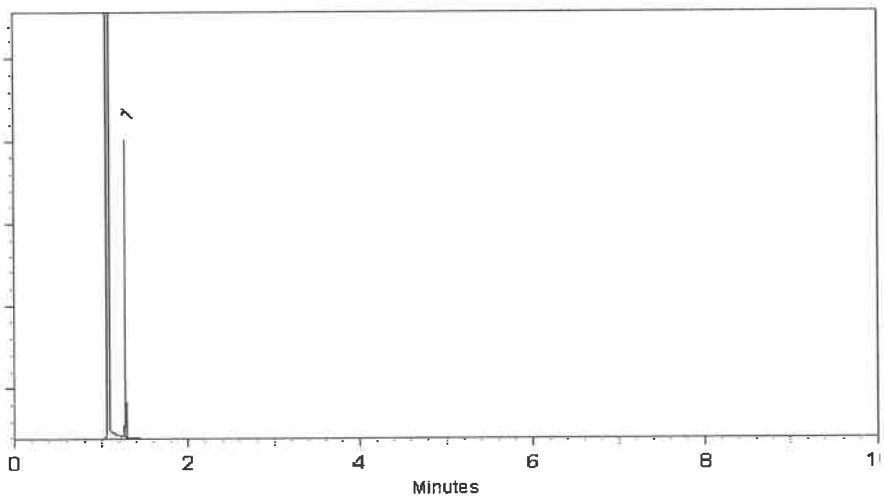
Inj. Temp:
250°C

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.
- 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

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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. : 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.)

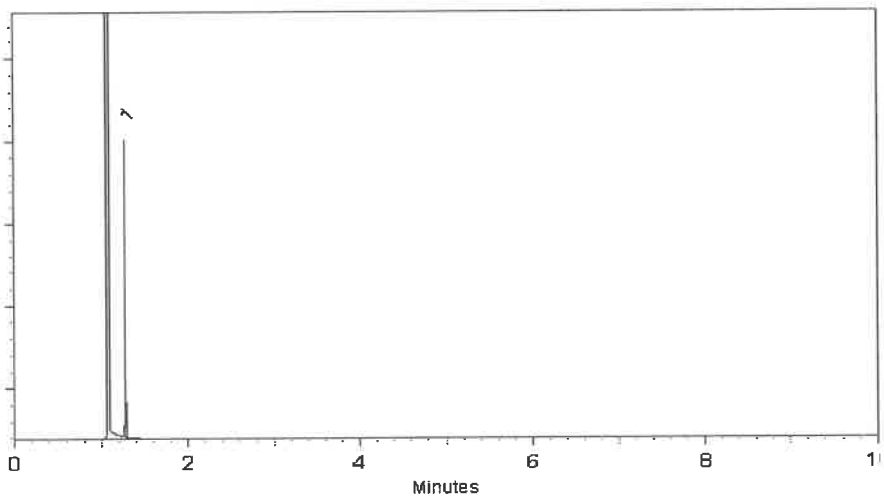
Inj. Temp:
250°C

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.
- 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. : 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.)

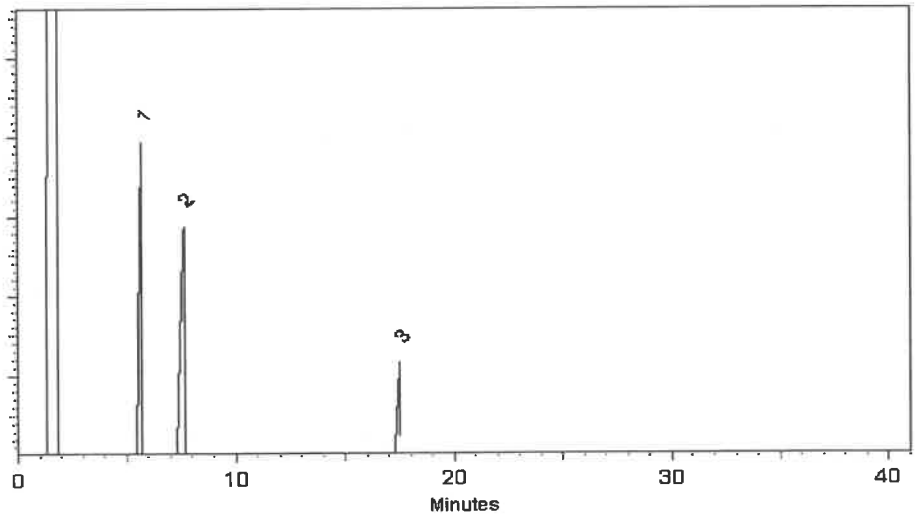
Inj. Temp:
250°C

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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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.)

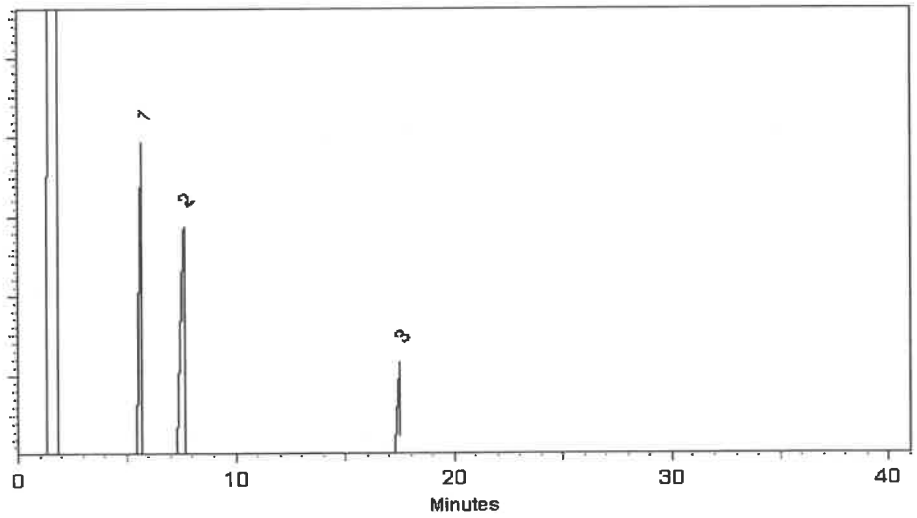
Inj. Temp:
250°C

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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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. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

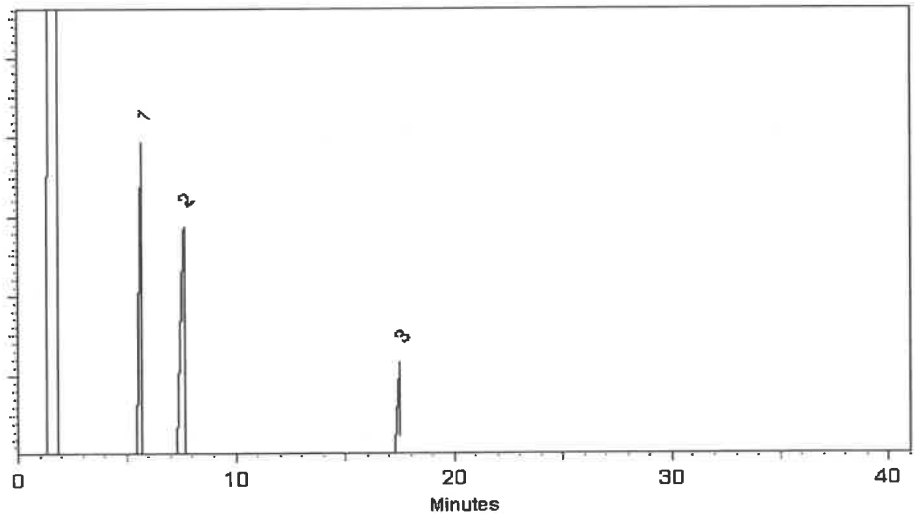
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

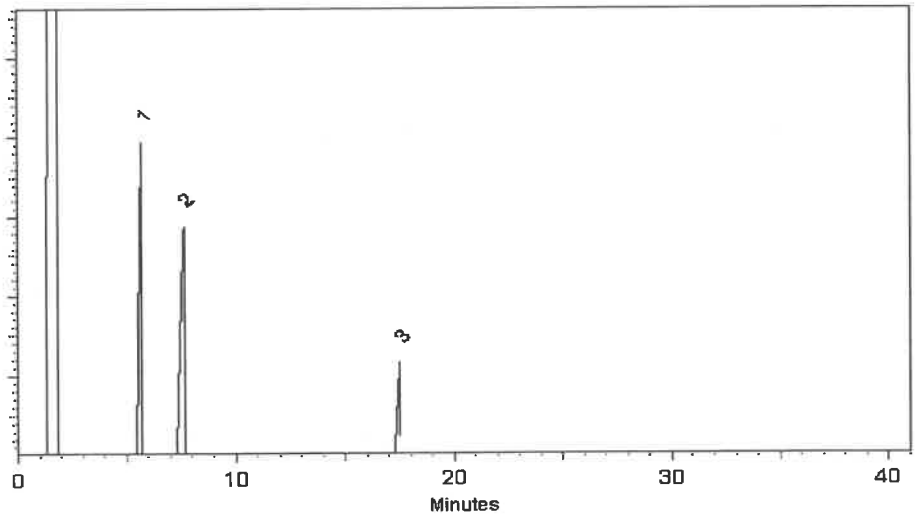
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



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Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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.)

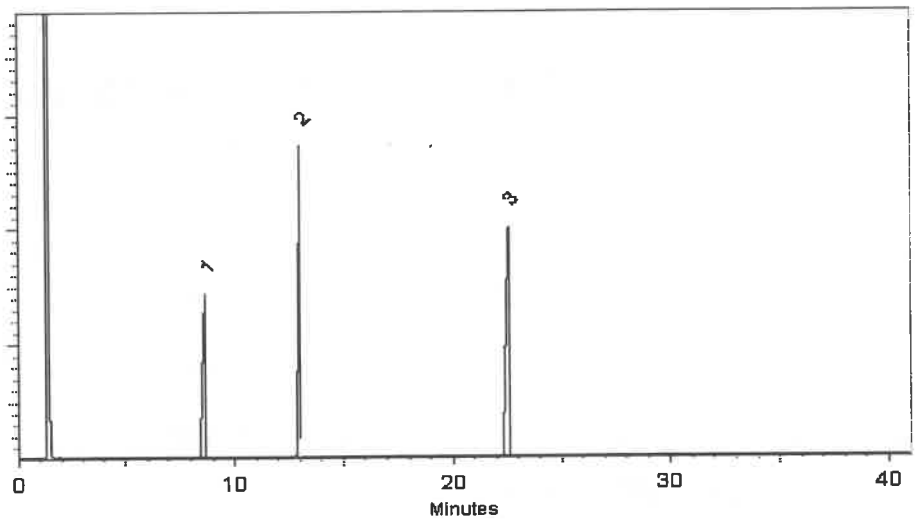
Inj. Temp:
250°C

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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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.)

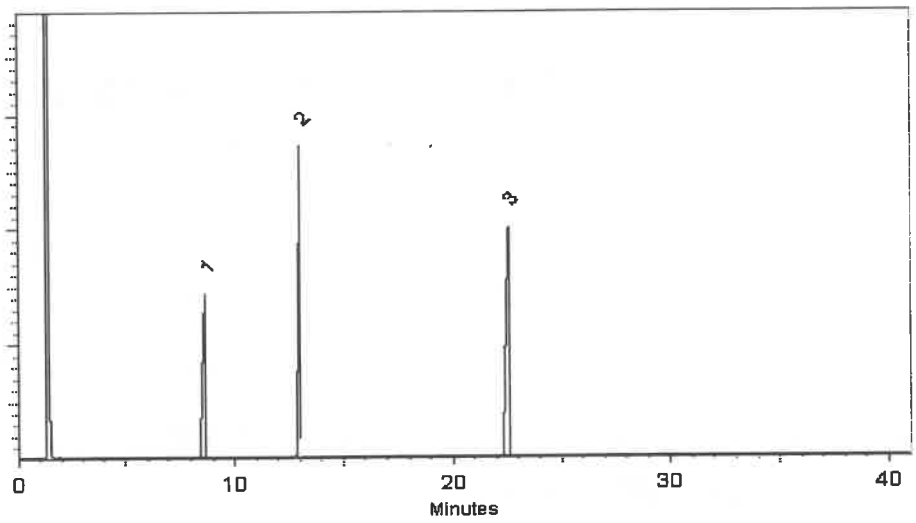
Inj. Temp:
250°C

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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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.)

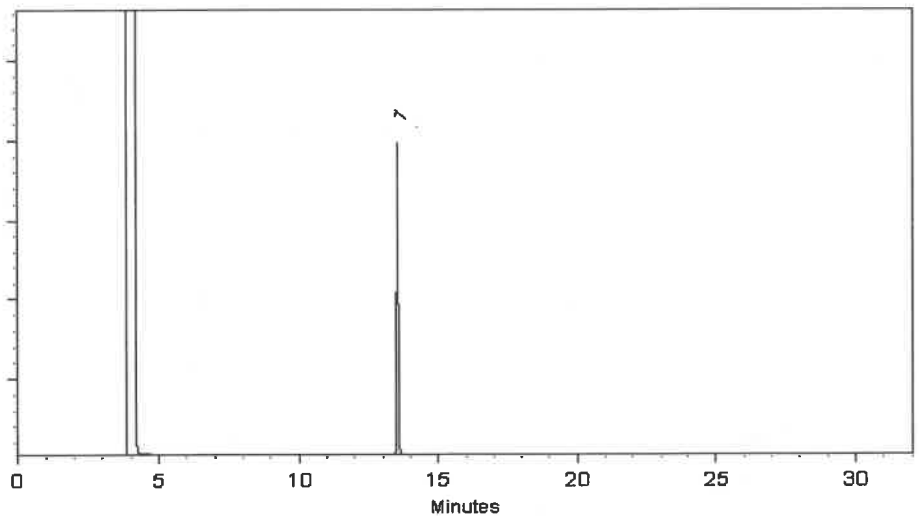
Inj. Temp:
200°C

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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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.

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.)

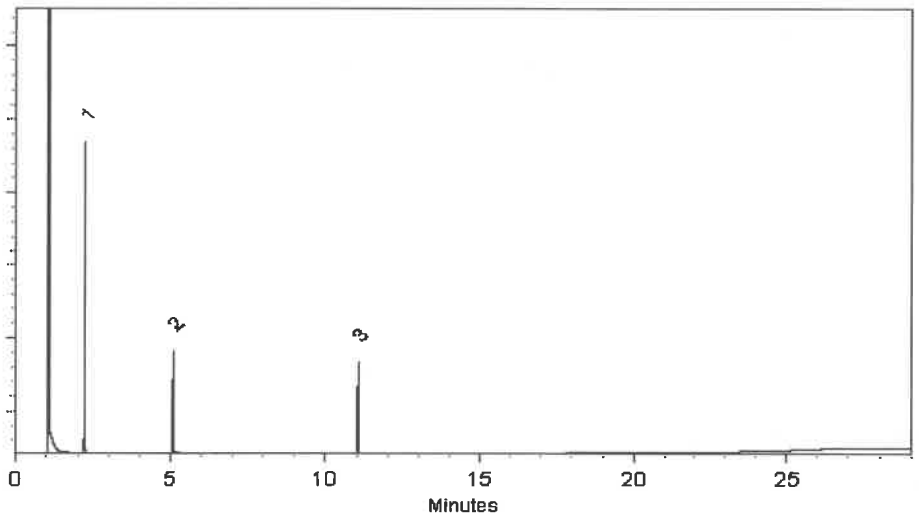
Inj. Temp:
250°C

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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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.

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.)

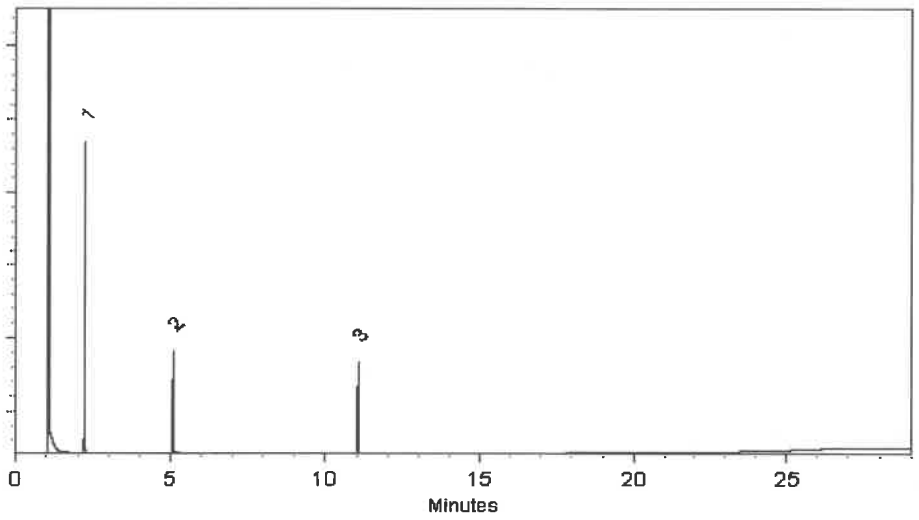
Inj. Temp:
250°C

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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110 Benner Circle
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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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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
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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

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- 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.
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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Manufacturing Notes:

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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
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5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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Manufacturing Notes:

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Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

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Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

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Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

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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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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.
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- Purity values are rounded to the nearest whole number.

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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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.
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Purity Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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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.

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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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ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

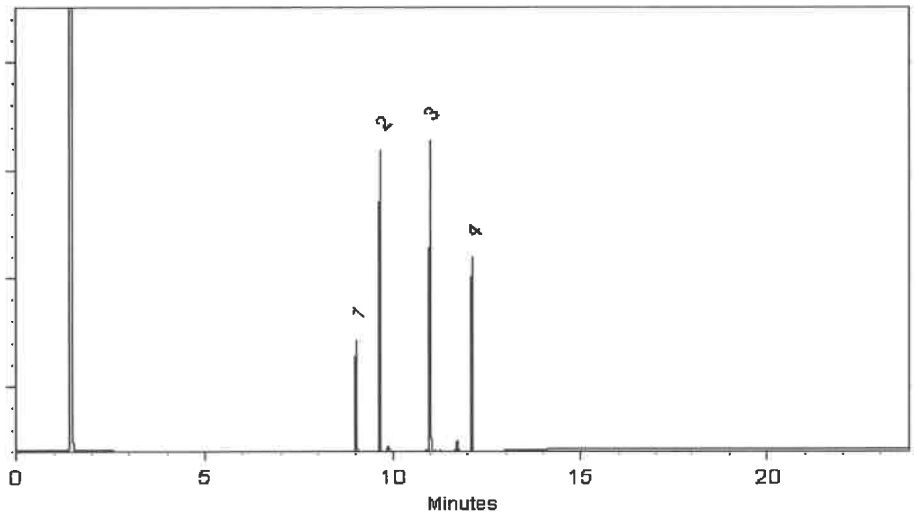
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.

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AR-1539 Certificate Number
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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

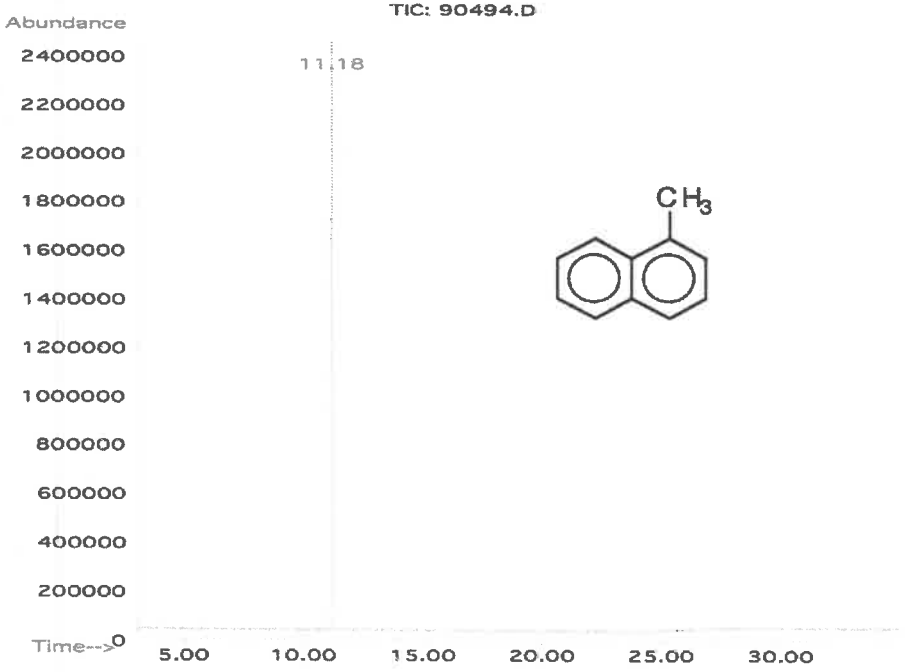
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

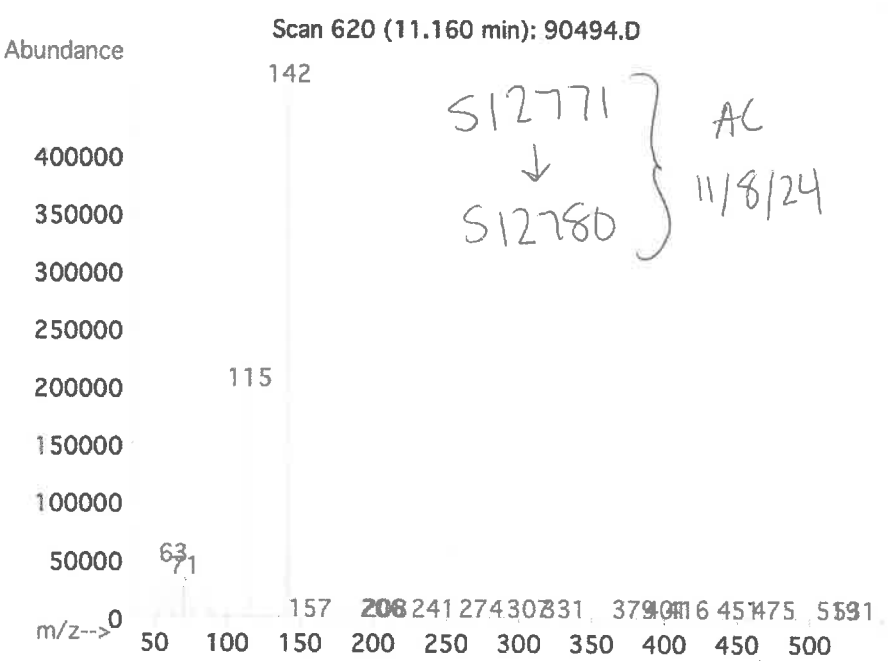
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

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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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.)

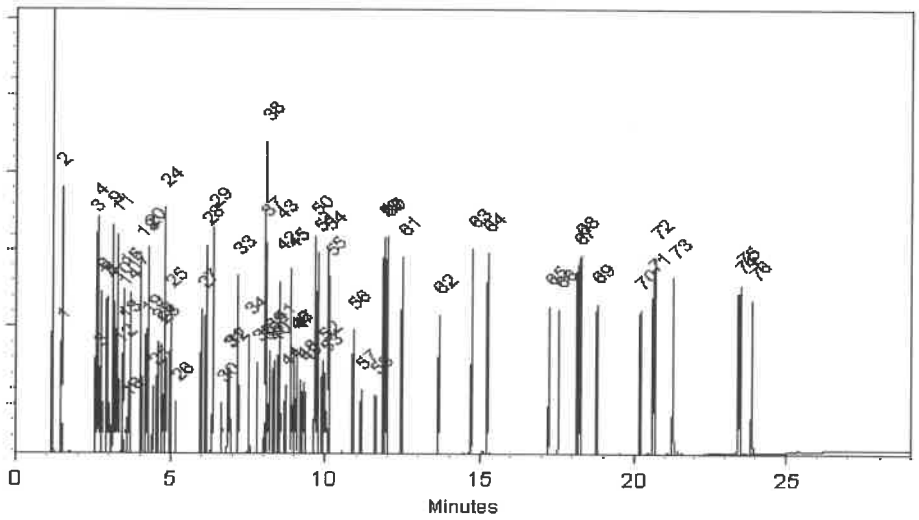
Inj. Temp:
250°C

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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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.)

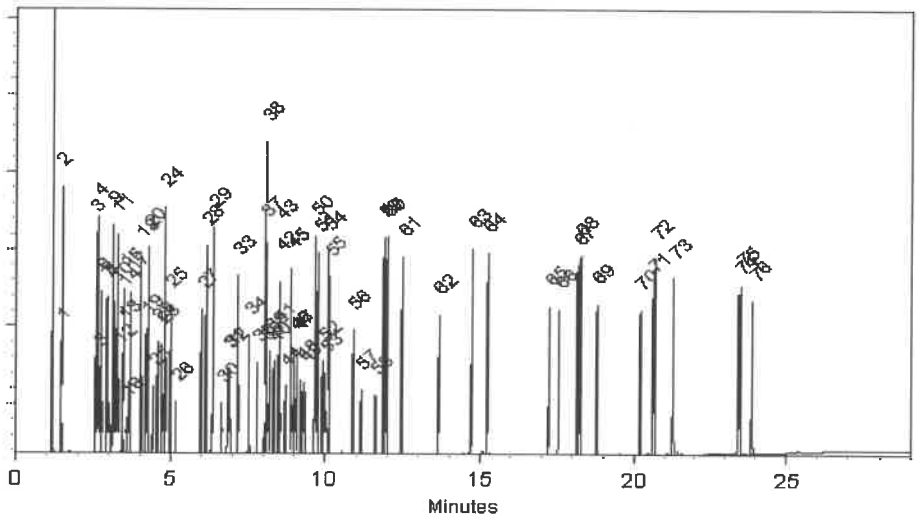
Inj. Temp:
250°C

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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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.)

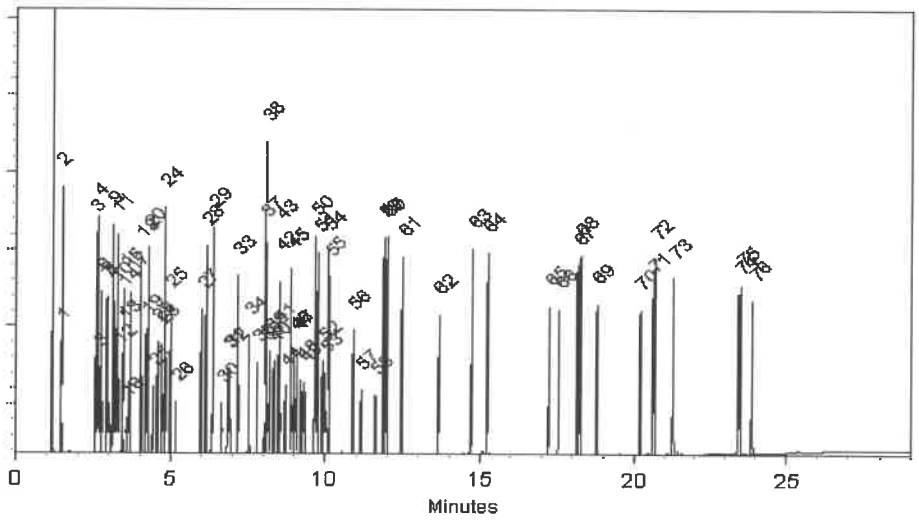
Inj. Temp:
250°C

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.)

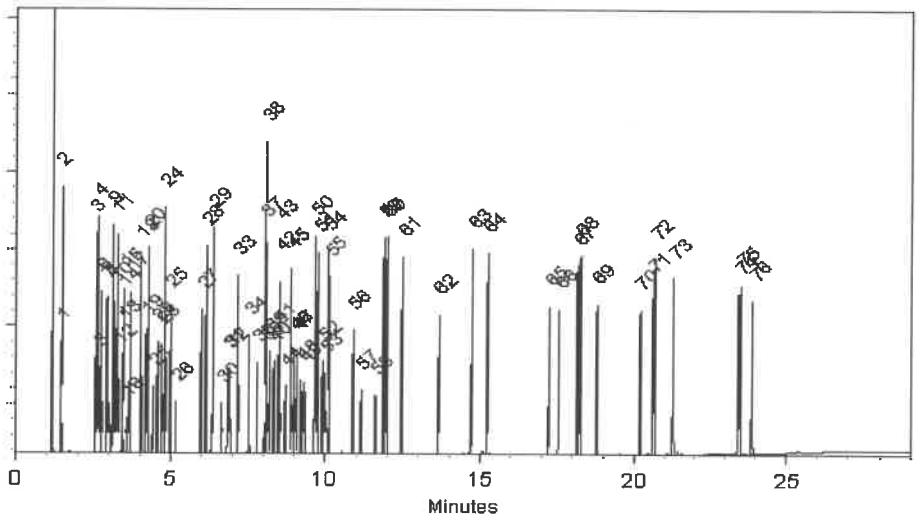
Inj. Temp:
250°C

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.)

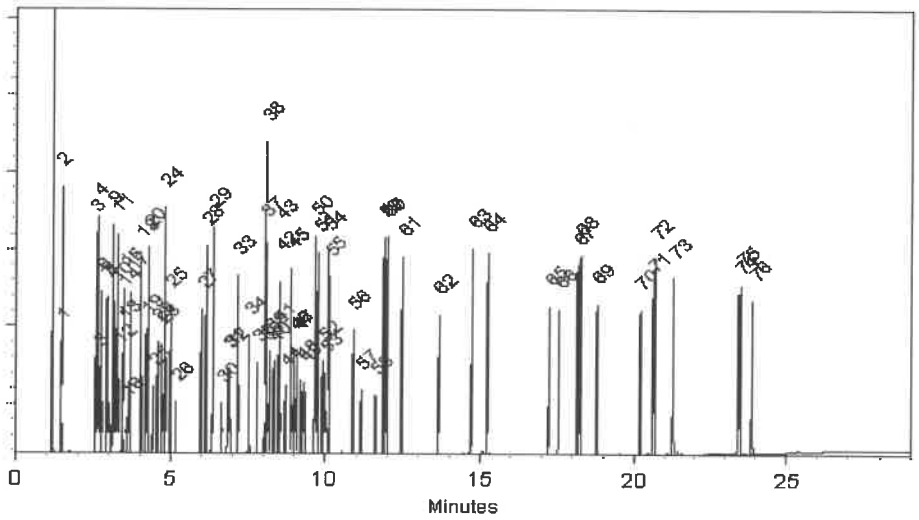
Inj. Temp:
250°C

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.)

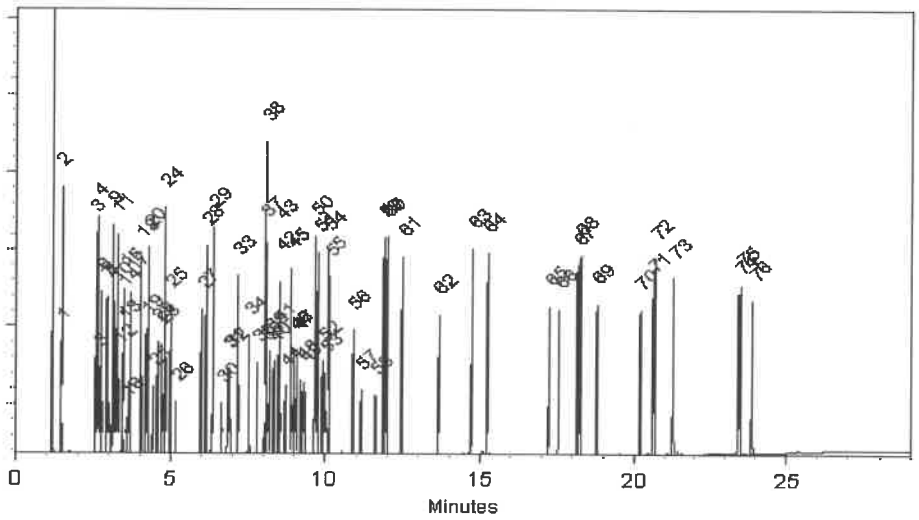
Inj. Temp:
250°C

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

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

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.)

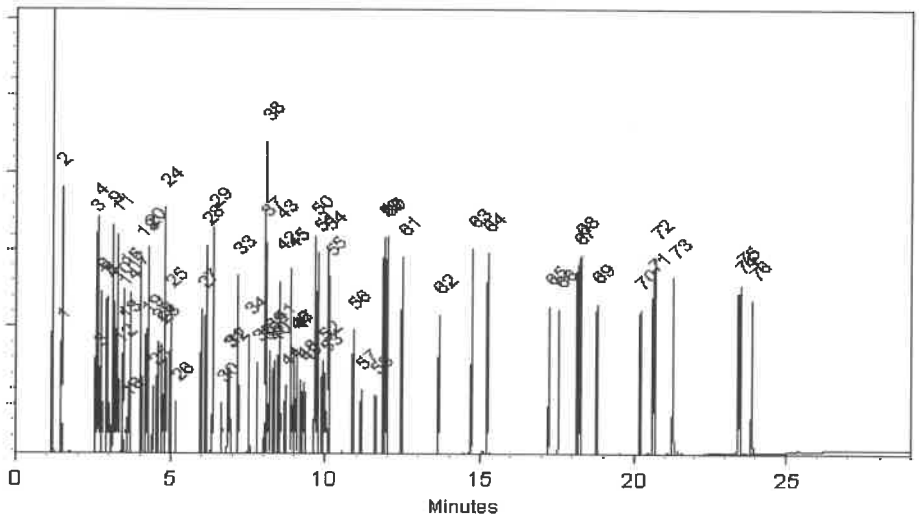
Inj. Temp:
250°C

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

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

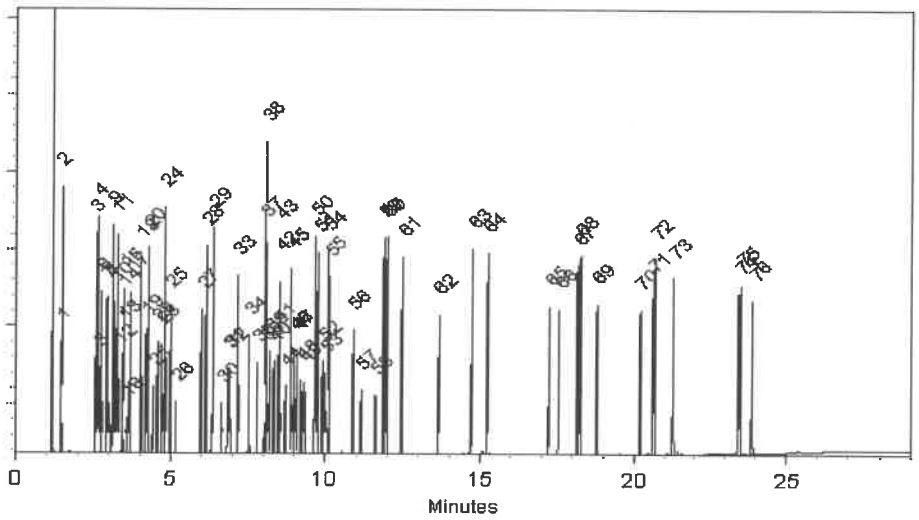
Inj. Temp:
250°C

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

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

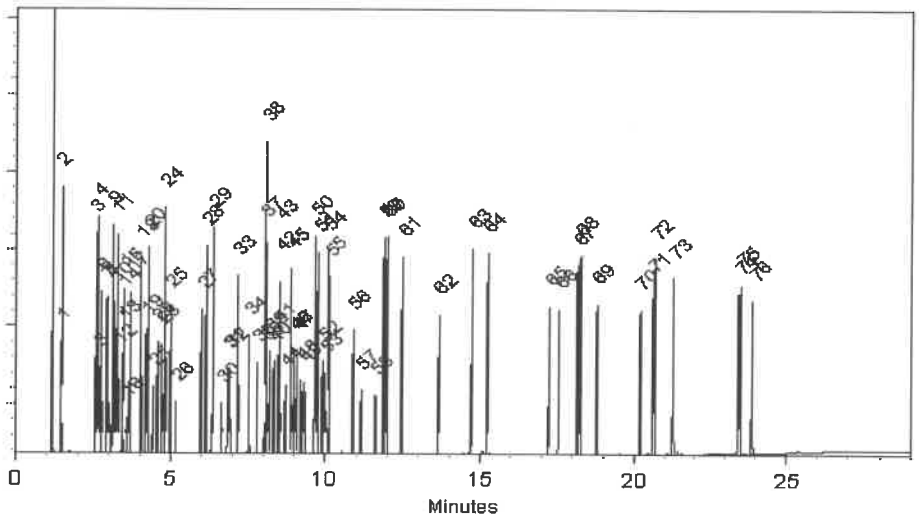
Inj. Temp:
250°C

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

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. : 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.)

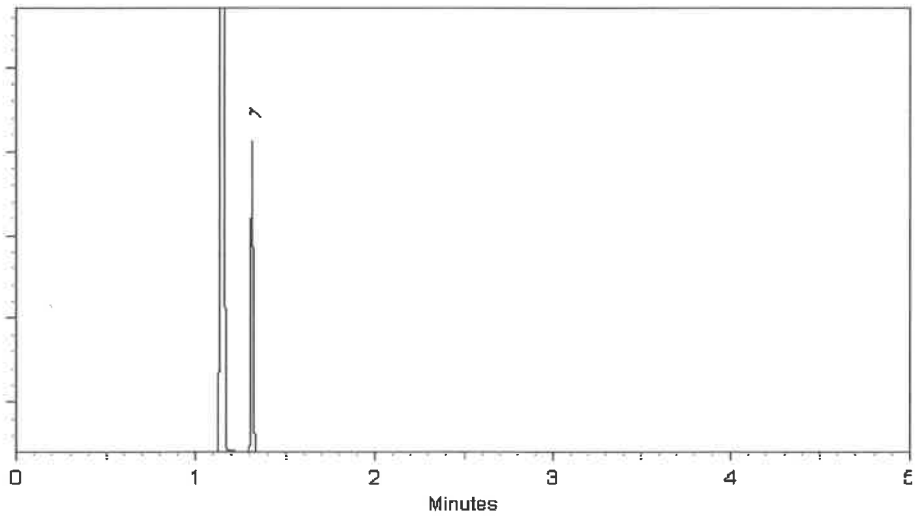
Inj. Temp:
250°C

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

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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.)

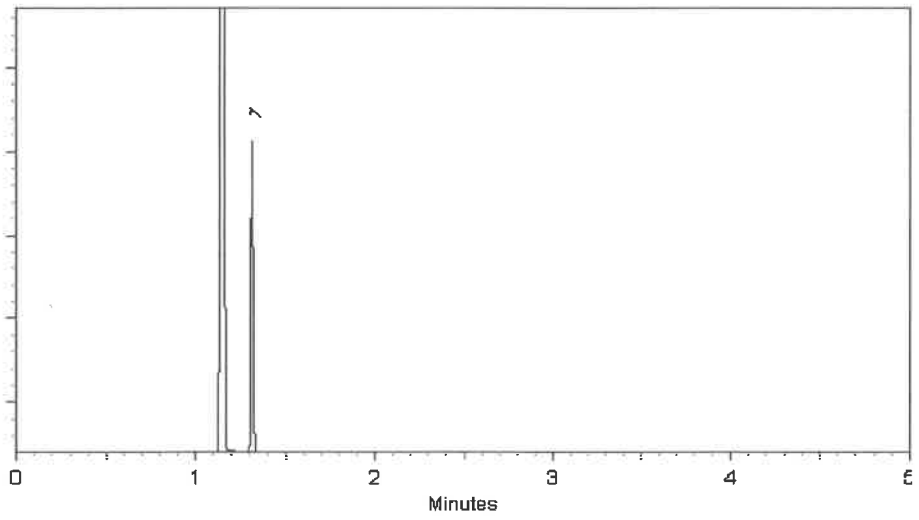
Inj. Temp:
250°C

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

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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. : 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.)

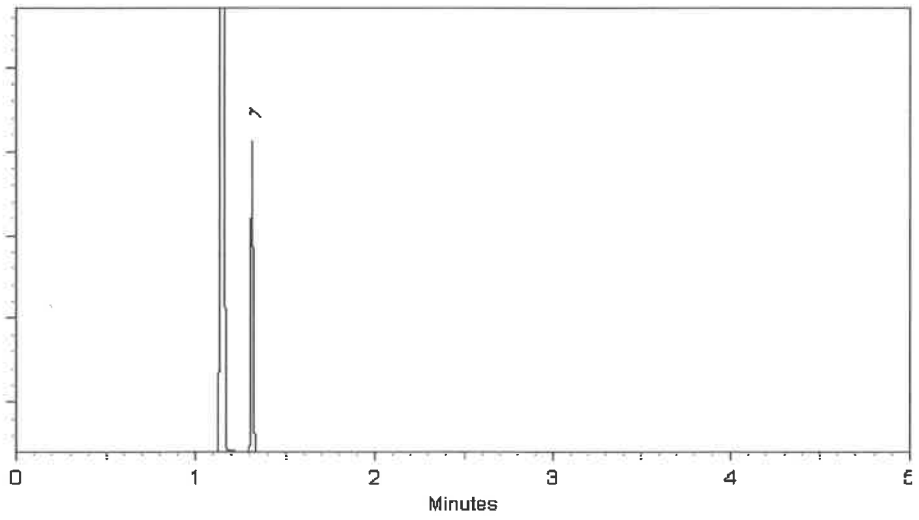
Inj. Temp:
250°C

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

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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. : 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

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** 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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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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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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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

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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. : 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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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. : 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.)

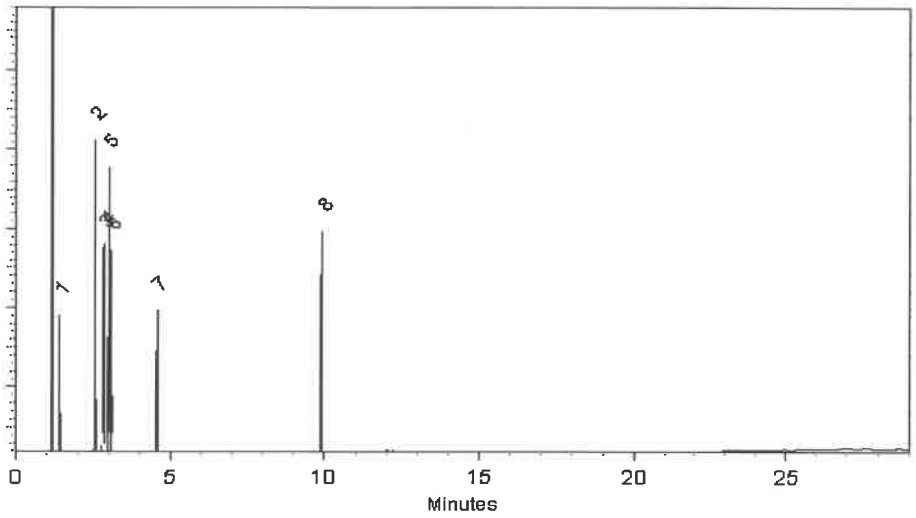
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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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

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** 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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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.:** 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
Registered Quality System
Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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. : 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%

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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

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
Registered Quality System
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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

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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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.
QUOTE NO. Q3468
COC Number 2046865

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Lira Environmental Inc.
ADDRESS: 690 Delaware Avenue
CITY Buffalo STATE: NY ZIP: 14209
ATTENTION: Martin Wesolowski
PHONE: 716-970-4273 FAX: 716-882-9640

CLIENT PROJECT INFORMATION

PROJECT NAME: RMB, RFK Bridge Randalls Island
PROJECT NO.: RMB-2023 LOCATION: NY
PROJECT MANAGER: Martin Wesolowski
e-mail: wesolowski@lira.com
PHONE: 716 970 9640 FAX: 716 882 9640

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

❑ Level 1 (Results Only) ❑ Level 4 (QC + Full Raw Data)
❑ Level 2 (Results + QC) ❑ NJ Reduced ❑ US EPA CLP
❑ Level 3 (Results + QC + Raw Data) ❑ NYS ASP A ❑ NYS ASP B
❑ Other _____
❑ EDD FORMAT _____

ANALYSIS

1. CP-51 VOC's
2. CP-51 SVOC's
3. Tables 2 & 3
4.
5.
6.
7.
8.
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
1.	MW-06	GW		X	10/23/25	11:40	5	X	X	X						
2.	MW-08	GW		X		10:30	5	X	X	X						
3.	MW-10	GW		X		12:15	5	X	X	X						
4.	MW-11	GW		X		12:55	5	X	X	X						
5.	MW-13	GW		X		9:15	5	X	X	X						
6.	MW-12	GW		X	↓	13:30	5	X	X	X						
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:	DATE/TIME:
1.	10-24-25 1647	1.	10-24-25 1647
2.	DATE/TIME:	2.	
3.	10-24-25 1944	3.	

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 2.1 °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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3468 LIRO01
Client Name : LiRo Engineers, Inc.
Client Contact : Martin Wesolowski
Invoice Name : LiRo Engineers, Inc.
Invoice Contact : Martin Wesolowski

Order Date : 10/27/2025 11:00:00 AM
Project Name : RFK Bridge RMB-Randall
Receive DateTime : 10/25/4025 7:44:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP A
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3468-01	MW-06	Water	10/23/2025	11:40					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3468-02	MW-08	Water	10/23/2025	10:30					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3468-03	MW-10	Water	10/23/2025	12:15					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3468-04	MW-11	Water	10/23/2025	12:55					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3468-05	MW-13	Water	10/23/2025	09:15					
					VOCMS Group1		8260-Low		10 Bus. Days
Q3468-06	MW-12	Water	10/23/2025	13:30					
					VOCMS Group1		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3468 LIRO01
Client Name : LiRo Engineers, Inc.
Client Contact : Martin Wesolowski
Invoice Name : LiRo Engineers, Inc.
Invoice Contact : Martin Wesolowski

Order Date : 10/27/2025 11:00:00 AM
Project Name : RFK Bridge RMB-Randall
Receive DateTime : 10/27/4025 7:44:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP A
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By :
Date / Time : 10/27/25 1150

Received By :
Date / Time : 10/27/25 12:25

Storage Area : VOA Refridgerator Room