



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

Cover Page

Order ID : Q3400

Project ID : NWIRP Northrup Grumman Site – Bethpage, NY

Client : ICE Service Group, Inc.

Lab Sample Number

Q3400-01

Client Sample Number

FRAC-TANK-0760450

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

Signature : _____

Date: 10/28/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

DATA REPORTING QUALIFIERS- ORGANIC

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3400

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Custody

✓

Were the samples received within hold time

✓

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

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: PRADIP PRAJAPATI

Date: 10/28/2025



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LAB CHRONICLE

OrderID:	Q3400	OrderDate:	10/20/2025 1:25:31 PM
Client:	ICE Service Group, Inc.	Project:	NWIRP Northrup Grumman Site – Bethpage, NY
Contact:	Dennis D. Morgan, II	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3400-01	FRAC-TANK-0760450	Water	SVOC-TCL BNA -20	8270E	10/20/25	10/22/25	10/27/25	10/20/25



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Hit Summary Sheet
SW-846

SDG No.: Q3400

Client: ICE Service Group, Inc.

Sample ID	Client ID	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID : FRAC-TANK-0760450								
Q3400-01	FRAC-TANK-0760450	WATER	Benzophenone	*	9.100	J	0	0 ug/L
Q3400-01	FRAC-TANK-0760450	WATER	n-Hexadecanoic acid	*	6.600	J	0	0 ug/L
Total Tics :					15.70			
Total Concentration:					15.70			



QC SUMMARY

Surrogate Summary

SW-846

SDG No.: Q3400

Client: ICE Service Group, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
							Low	High
PB170222BL	PB170222BL	2-Fluorophenol	150	162	108		19	119
		Phenol-d6	150	157	105		10	130
		Nitrobenzene-d5	100	96.1	96		44	120
		2-Fluorobiphenyl	100	93.5	94		44	119
		2,4,6-Tribromophenol	150	143	95		43	140
		Terphenyl-d14	100	94.1	94		50	134
PB170222BS	PB170222BS	2-Fluorophenol	150	124	82		19	119
		Phenol-d6	150	123	82		10	130
		Nitrobenzene-d5	100	83.3	83		44	120
		2-Fluorobiphenyl	100	80.1	80		44	119
		2,4,6-Tribromophenol	150	127	84		43	140
		Terphenyl-d14	100	82.9	83		50	134
PB170222BSD	PB170222BSD	2-Fluorophenol	150	145	97		19	119
		Phenol-d6	150	125	83		10	130
		Nitrobenzene-d5	100	88.5	88		44	120
		2-Fluorobiphenyl	100	79.8	80		44	119
		2,4,6-Tribromophenol	150	124	83		43	140
		Terphenyl-d14	100	83.4	83		50	134
Q3400-01	FRAC-TANK-0760450	2-Fluorophenol	150	88.7	59		19	119
		Phenol-d6	150	57.7	38		10	130
		Nitrobenzene-d5	100	100	100		44	120
		2-Fluorobiphenyl	100	84.6	85		44	119
		2,4,6-Tribromophenol	150	137	91		43	140
		Terphenyl-d14	100	68.9	69		50	134

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3400

Analytical Method:

8270E

Client: ICE Service Group, Inc.

DataFile:

BG064585.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170222BS	Benzaldehyde	50	13.2	ug/L	26				10	161	
	Phenol	50	40.8	ug/L	82				10	132	
	bis(2-Chloroethyl)ether	50	27.3	ug/L	55				43	118	
	2-Chlorophenol	50	41.9	ug/L	84				38	117	
	2-Methylphenol	50	39.5	ug/L	79				30	117	
	2,2-oxybis(1-Chloropropane)	50	32.0	ug/L	64				37	130	
	Acetophenone	50	42.0	ug/L	84				46	118	
	3+4-Methylphenols	50	34.8	ug/L	70				29	110	
	N-Nitroso-di-n-propylamine	50	33.2	ug/L	66				49	119	
	Hexachloroethane	50	32.7	ug/L	65				21	115	
	Nitrobenzene	50	40.6	ug/L	81				45	121	
	Isophorone	50	39.6	ug/L	79				42	124	
	2-Nitrophenol	50	35.3	ug/L	71				47	123	
	2,4-Dimethylphenol	50	48.9	ug/L	98				31	124	
	bis(2-Chloroethoxy)methane	50	40.2	ug/L	80				48	120	
	2,4-Dichlorophenol	50	44.8	ug/L	90				47	121	
	Naphthalene	50	39.3	ug/L	79				40	121	
	4-Chloroaniline	50	20.8	ug/L	42				33	117	
	Hexachlorobutadiene	50	39.1	ug/L	78				22	124	
	Caprolactam	50	39.1	ug/L	78				10	161	
	4-Chloro-3-methylphenol	50	42.4	ug/L	85				52	119	
	2-Methylnaphthalene	50	36.6	ug/L	73				40	121	
	Hexachlorocyclopentadiene	100	98.2	ug/L	98				10	155	
	2,4,6-Trichlorophenol	50	43.5	ug/L	87				50	125	
	2,4,5-Trichlorophenol	50	42.8	ug/L	86				53	123	
	1,1-Biphenyl	50	42.4	ug/L	85				49	115	
	2-Chloronaphthalene	50	39.3	ug/L	79				40	116	
	2-Nitroaniline	50	36.3	ug/L	73				55	127	
	Dimethylphthalate	50	39.8	ug/L	80				45	127	
	Acenaphthylene	50	45.0	ug/L	90				41	130	
	2,6-Dinitrotoluene	50	41.3	ug/L	83				57	124	
	3-Nitroaniline	50	29.3	ug/L	59				41	128	
	Acenaphthene	50	42.0	ug/L	84				47	122	
	2,4-Dinitrophenol	100	74.3	ug/L	74				23	143	
	4-Nitrophenol	100	82.7	ug/L	83				10	161	
	Dibenzofuran	50	39.8	ug/L	80				53	118	
	2,4-Dinitrotoluene	50	39.0	ug/L	78				57	128	
	Diethylphthalate	50	39.4	ug/L	79				56	125	
	4-Chlorophenyl-phenylether	50	40.0	ug/L	80				53	121	
	Fluorene	50	40.9	ug/L	82				52	124	
	4-Nitroaniline	50	42.1	ug/L	84				35	120	
	4,6-Dinitro-2-methylphenol	50	39.3	ug/L	79				44	137	
	N-Nitrosodiphenylamine	50	42.5	ug/L	85				51	123	
	4-Bromophenyl-phenylether	50	40.9	ug/L	82				55	124	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3400

Analytical Method:

8270E

Client: ICE Service Group, Inc.

DataFile:

BG064585.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	RPD		Limits		RPD
							Qual	Qual	Low	High	
PB170222BS	Hexachlorobenzene	50	41.1	ug/L	82				53	125	
	Atrazine	50	40.0	ug/L	80				44	142	
	Pentachlorophenol	100	84.1	ug/L	84				35	138	
	Phenanthrene	50	40.0	ug/L	80				59	120	
	Anthracene	50	40.2	ug/L	80				57	123	
	Carbazole	50	40.3	ug/L	81				60	122	
	Di-n-butylphthalate	50	39.0	ug/L	78				59	127	
	Fluoranthene	50	39.3	ug/L	79				57	128	
	Pyrene	50	39.9	ug/L	80				57	126	
	Butylbenzylphthalate	50	43.2	ug/L	86				53	134	
	3,3-Dichlorobenzidine	50	28.9	ug/L	58				27	129	
	Benzo(a)anthracene	50	40.9	ug/L	82				58	125	
	Chrysene	50	40.1	ug/L	80				59	123	
	bis(2-Ethylhexyl)phthalate	50	42.5	ug/L	85				55	135	
	Di-n-octyl phthalate	50	42.0	ug/L	84				51	140	
	Benzo(b)fluoranthene	50	42.5	ug/L	85				53	131	
	Benzo(k)fluoranthene	50	43.9	ug/L	88				57	129	
	Benzo(a)pyrene	50	44.1	ug/L	88				54	128	
	Indeno(1,2,3-cd)pyrene	50	42.0	ug/L	84				52	134	
	Dibenz(a,h)anthracene	50	43.2	ug/L	86				51	134	
	Benzo(g,h,i)perylene	50	42.0	ug/L	84				50	134	
	1,2,4,5-Tetrachlorobenzene	50	40.9	ug/L	82				35	121	
	1,4-Dioxane	50	30.8	ug/L	62		*		70	130	
	2,3,4,6-Tetrachlorophenol	50	45.3	ug/L	91				50	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3400

Analytical Method:

8270E

Client: ICE Service Group, Inc.

DataFile:

BG064586.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170222BSD	Benzaldehyde	50	13.3	ug/L	27	1			10	161	20
	Phenol	50	42.3	ug/L	85	4			10	132	20
	bis(2-Chloroethyl)ether	50	27.9	ug/L	56	2			43	118	20
	2-Chlorophenol	50	43.8	ug/L	88	4			38	117	20
	2-Methylphenol	50	42.1	ug/L	84	6			30	117	20
	2,2-oxybis(1-Chloropropane)	50	37.2	ug/L	74	15			37	130	20
	Acetophenone	50	42.8	ug/L	86	2			46	118	20
	3+4-Methylphenols	50	41.8	ug/L	84	18			29	110	20
	N-Nitroso-di-n-propylamine	50	41.1	ug/L	82	21		*	49	119	20
	Hexachloroethane	50	38.1	ug/L	76	15			21	115	20
	Nitrobenzene	50	42.1	ug/L	84	4			45	121	20
	Isophorone	50	40.0	ug/L	80	1			42	124	20
	2-Nitrophenol	50	37.9	ug/L	76	7			47	123	20
	2,4-Dimethylphenol	50	48.0	ug/L	96	2			31	124	20
	bis(2-Chloroethoxy)methane	50	40.8	ug/L	82	1			48	120	20
	2,4-Dichlorophenol	50	45.3	ug/L	91	1			47	121	20
	Naphthalene	50	39.5	ug/L	79	1			40	121	20
	4-Chloroaniline	50	21.6	ug/L	43	4			33	117	20
	Hexachlorobutadiene	50	39.0	ug/L	78	0			22	124	20
	Caprolactam	50	37.7	ug/L	75	4			10	161	20
	4-Chloro-3-methylphenol	50	42.9	ug/L	86	1			52	119	20
	2-Methylnaphthalene	50	36.6	ug/L	73	0			40	121	20
	Hexachlorocyclopentadiene	100	100	ug/L	100	2			10	155	20
	2,4,6-Trichlorophenol	50	43.7	ug/L	87	0			50	125	20
	2,4,5-Trichlorophenol	50	43.5	ug/L	87	2			53	123	20
	1,1-Biphenyl	50	42.1	ug/L	84	1			49	115	20
	2-Chloronaphthalene	50	39.3	ug/L	79	0			40	116	20
	2-Nitroaniline	50	38.1	ug/L	76	5			55	127	20
	Dimethylphthalate	50	39.2	ug/L	78	2			45	127	20
	Acenaphthylene	50	45.1	ug/L	90	0			41	130	20
	2,6-Dinitrotoluene	50	42.0	ug/L	84	2			57	124	20
	3-Nitroaniline	50	30.0	ug/L	60	2			41	128	20
	Acenaphthene	50	42.2	ug/L	84	0			47	122	20
	2,4-Dinitrophenol	100	75.2	ug/L	75	1			23	143	20
	4-Nitrophenol	100	82.1	ug/L	82	1			10	161	20
	Dibenzofuran	50	39.2	ug/L	78	2			53	118	20
	2,4-Dinitrotoluene	50	40.6	ug/L	81	4			57	128	20
	Diethylphthalate	50	38.5	ug/L	77	2			56	125	20
	4-Chlorophenyl-phenylether	50	39.4	ug/L	79	2			53	121	20
	Fluorene	50	40.2	ug/L	80	2			52	124	20
	4-Nitroaniline	50	39.9	ug/L	80	5			35	120	20
	4,6-Dinitro-2-methylphenol	50	40.8	ug/L	82	4			44	137	20
	N-Nitrosodiphenylamine	50	42.3	ug/L	85	0			51	123	20
	4-Bromophenyl-phenylether	50	40.9	ug/L	82	0			55	124	20

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3400

Analytical Method: 8270E

Client: ICE Service Group, Inc.

DataFile: BG064586.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB170222BSD	Hexachlorobenzene	50	41.3	ug/L	83	0			53	125	20
	Atrazine	50	39.8	ug/L	80	1			44	142	20
	Pentachlorophenol	100	86.5	ug/L	87	3			35	138	20
	Phenanthrene	50	40.5	ug/L	81	1			59	120	20
	Anthracene	50	40.0	ug/L	80	0			57	123	20
	Carbazole	50	40.0	ug/L	80	1			60	122	20
	Di-n-butylphthalate	50	38.6	ug/L	77	1			59	127	20
	Fluoranthene	50	38.8	ug/L	78	1			57	128	20
	Pyrene	50	39.9	ug/L	80	0			57	126	20
	Butylbenzylphthalate	50	44.0	ug/L	88	2			53	134	20
	3,3-Dichlorobenzidine	50	28.9	ug/L	58	0			27	129	20
	Benzo(a)anthracene	50	41.1	ug/L	82	0			58	125	20
	Chrysene	50	40.4	ug/L	81	1			59	123	20
	bis(2-Ethylhexyl)phthalate	50	42.9	ug/L	86	1			55	135	20
	Di-n-octyl phthalate	50	42.4	ug/L	85	1			51	140	20
	Benzo(b)fluoranthene	50	43.5	ug/L	87	2			53	131	20
	Benzo(k)fluoranthene	50	43.1	ug/L	86	2			57	129	20
	Benzo(a)pyrene	50	44.8	ug/L	90	2			54	128	20
	Indeno(1,2,3-cd)pyrene	50	42.7	ug/L	85	2			52	134	20
	Dibenz(a,h)anthracene	50	43.6	ug/L	87	1			51	134	20
	Benzo(g,h,i)perylene	50	42.7	ug/L	85	2			50	134	20
	1,2,4,5-Tetrachlorobenzene	50	41.9	ug/L	84	2			35	121	20
	1,4-Dioxane	50	34.3	ug/L	69	11	*		70	130	20
	2,3,4,6-Tetrachlorophenol	50	45.3	ug/L	91	0			50	128	20

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB170222BL

Lab Name: Alliance

Contract: ICES02

Lab Code: ACE

SDG NO.: Q3400

Lab File ID: BG064584.D

Lab Sample ID: PB170222BL

Instrument ID: BNA_G

Date Extracted: 10/22/2025

Matrix: (soil/water) Water

Date Analyzed: 10/27/2025

Level: (low/med) LOW

Time Analyzed: 12:38

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170222BS	PB170222BS	BG064585.D	10/27/2025
PB170222BSD	PB170222BSD	BG064586.D	10/27/2025
FRAC-TANK-0760450	Q3400-01	BG064593.D	10/27/2025

COMMENTS: _____



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: BG064568.D
Instrument ID: BNA_G

Contract: ICES02
SDG NO.: Q3400
DFTPP Injection Date: 10/24/2025
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
Lab Code: ACE
Lab File ID: BG064582.D
Instrument ID: BNA_G

Contract: ICES02
SDG NO.: Q3400
DFTPP Injection Date: 10/27/2025
DFTPP Injection Time: 11:16

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

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG064583.D	10/27/2025	11:57
PB170222BL	PB170222BL	BG064584.D	10/27/2025	12:38
PB170222BS	PB170222BS	BG064585.D	10/27/2025	13:19
PB170222BSD	PB170222BSD	BG064586.D	10/27/2025	14:00
FRAC-TANK-0760450	Q3400-01	BG064593.D	10/27/2025	18:47
SSTDCCC040EC	SSTDCCC040	BG064598.D	10/27/2025	22:11

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3400

Client ID : SSTDCCC040

Date Analyzed: 10/27/2025

Lab File ID: BG064583.D

Time Analyzed: 11:57

Instrument ID: BNA_G

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	39737	8.22	173874	11.05	136456	14.84
UPPER LIMIT	79474	8.72	347748	11.546	272912	15.342
LOWER LIMIT	19868.5	7.72	86937	10.546	68228	14.342
EPA SAMPLE NO.						
01 PB170222BL	45325	8.22	169145	11.04	133935	14.84
02 PB170222BS	45379	8.22	155959	11.05	125067	14.84
03 PB170222BSD	40304	8.22	162009	11.05	130466	14.84
04 FRAC-TANK-0760450	33849.5	8.22	134030	11.05	109277	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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3400

Client ID: SSTDCCC040

Date Analyzed: 10/27/2025

Lab File ID: BG064583.D

Time Analyzed: 11:57

Instrument ID: BNA_G

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	324576	17.58	347536	21.851	368889	25.194
UPPER LIMIT	649152	18.08	695072	22.351	737778	25.694
LOWER LIMIT	162288	17.08	173768	21.351	184445	24.694
EPA SAMPLE NO.						
01 PB170222BL	334609	17.58	371267	21.85	392267	25.19
02 PB170222BS	301008	17.58	321139	21.86	327874	25.19
03 PB170222BSD	304053	17.58	320700	21.85	326136	25.20
04 FRAC-TANK-0760450	262954	17.58	285454	21.85	310819	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

Report of Analysis

Client: ICE Service Group, Inc.	Date Collected: 10/20/25	
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Date Received: 10/20/25	
Client Sample ID: FRAC-TANK-0760450	SDG No.: Q3400	
Lab Sample ID: Q3400-01	Matrix: Water	
Analytical Method: 8270E	Level: LOW	% Solid: 0
Sample Wt/Vol: 990 mL	Final Vol: 1000 uL	Test: SVOC-TCL BNA -20
Prep Method :	Prep Date: 10/22/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	8.10	U	1	3.90	8.10	10.1	ug/L	10/27/25 18:47	PB170222
108-95-2	Phenol	4.00	U	1	0.92	4.00	5.10	ug/L	10/27/25 18:47	PB170222
111-44-4	bis(2-Chloroethyl)ether	4.00	U	1	0.82	4.00	5.10	ug/L	10/27/25 18:47	PB170222
95-57-8	2-Chlorophenol	4.00	U	1	0.59	4.00	5.10	ug/L	10/27/25 18:47	PB170222
95-48-7	2-Methylphenol	4.00	U	1	1.10	4.00	5.10	ug/L	10/27/25 18:47	PB170222
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1	1.30	4.00	5.10	ug/L	10/27/25 18:47	PB170222
98-86-2	Acetophenone	4.00	U	1	0.75	4.00	5.10	ug/L	10/27/25 18:47	PB170222
65794-96-9	3+4-Methylphenols	8.10	U	1	1.10	8.10	10.1	ug/L	10/27/25 18:47	PB170222
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1	1.40	2.50	2.50	ug/L	10/27/25 18:47	PB170222
67-72-1	Hexachloroethane	4.00	U	1	0.66	4.00	5.10	ug/L	10/27/25 18:47	PB170222
98-95-3	Nitrobenzene	4.00	U	1	0.77	4.00	5.10	ug/L	10/27/25 18:47	PB170222
78-59-1	Isophorone	4.00	U	1	0.76	4.00	5.10	ug/L	10/27/25 18:47	PB170222
88-75-5	2-Nitrophenol	4.00	U	1	1.80	4.00	5.10	ug/L	10/27/25 18:47	PB170222
105-67-9	2,4-Dimethylphenol	4.00	U	1	1.90	4.00	5.10	ug/L	10/27/25 18:47	PB170222
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	1	0.69	4.00	5.10	ug/L	10/27/25 18:47	PB170222
120-83-2	2,4-Dichlorophenol	4.00	U	1	0.53	4.00	5.10	ug/L	10/27/25 18:47	PB170222
91-20-3	Naphthalene	4.00	U	1	0.51	4.00	5.10	ug/L	10/27/25 18:47	PB170222
106-47-8	4-Chloroaniline	4.00	U	1	0.85	4.00	5.10	ug/L	10/27/25 18:47	PB170222
87-68-3	Hexachlorobutadiene	4.00	U	1	0.55	4.00	5.10	ug/L	10/27/25 18:47	PB170222
105-60-2	Caprolactam	8.10	U	1	1.10	8.10	10.1	ug/L	10/27/25 18:47	PB170222
59-50-7	4-Chloro-3-methylphenol	4.00	U	1	0.60	4.00	5.10	ug/L	10/27/25 18:47	PB170222
91-57-6	2-Methylnaphthalene	4.00	U	1	0.57	4.00	5.10	ug/L	10/27/25 18:47	PB170222
77-47-4	Hexachlorocyclopentadiene	8.10	U	1	3.70	8.10	10.1	ug/L	10/27/25 18:47	PB170222
88-06-2	2,4,6-Trichlorophenol	4.00	U	1	0.52	4.00	5.10	ug/L	10/27/25 18:47	PB170222
95-95-4	2,4,5-Trichlorophenol	4.00	U	1	0.63	4.00	5.10	ug/L	10/27/25 18:47	PB170222
92-52-4	1,1-Biphenyl	4.00	U	1	0.54	4.00	5.10	ug/L	10/27/25 18:47	PB170222
91-58-7	2-Chloronaphthalene	4.00	U	1	0.62	4.00	5.10	ug/L	10/27/25 18:47	PB170222
88-74-4	2-Nitroaniline	4.00	U	1	1.30	4.00	5.10	ug/L	10/27/25 18:47	PB170222
131-11-3	Dimethylphthalate	4.00	U	1	0.62	4.00	5.10	ug/L	10/27/25 18:47	PB170222
208-96-8	Acenaphthylene	4.00	U	1	0.76	4.00	5.10	ug/L	10/27/25 18:47	PB170222
606-20-2	2,6-Dinitrotoluene	4.00	U	1	0.93	4.00	5.10	ug/L	10/27/25 18:47	PB170222
99-09-2	3-Nitroaniline	4.00	U	1	1.10	4.00	5.10	ug/L	10/27/25 18:47	PB170222
83-32-9	Acenaphthene	4.00	U	1	0.56	4.00	5.10	ug/L	10/27/25 18:47	PB170222
51-28-5	2,4-Dinitrophenol	8.10	U	1	6.00	8.10	10.1	ug/L	10/27/25 18:47	PB170222
100-02-7	4-Nitrophenol	8.10	U	1	2.40	8.10	10.1	ug/L	10/27/25 18:47	PB170222
132-64-9	Dibenzofuran	4.00	U	1	0.62	4.00	5.10	ug/L	10/27/25 18:47	PB170222
121-14-2	2,4-Dinitrotoluene	4.00	U	1	1.20	4.00	5.10	ug/L	10/27/25 18:47	PB170222
84-66-2	Diethylphthalate	4.00	U	1	0.70	4.00	5.10	ug/L	10/27/25 18:47	PB170222
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	1	0.69	4.00	5.10	ug/L	10/27/25 18:47	PB170222
86-73-7	Fluorene	4.00	U	1	0.64	4.00	5.10	ug/L	10/27/25 18:47	PB170222
100-01-6	4-Nitroaniline	4.00	U	1	1.50	4.00	5.10	ug/L	10/27/25 18:47	PB170222
534-52-1	4,6-Dinitro-2-methylphenol	8.10	U	1	2.90	8.10	10.1	ug/L	10/27/25 18:47	PB170222

Report of Analysis

Client: ICE Service Group, Inc.	Date Collected: 10/20/25	
Project: NWIRP Northrup Grumman Site – Bethpage, NY	Date Received: 10/20/25	
Client Sample ID: FRAC-TANK-0760450	SDG No.: Q3400	
Lab Sample ID: Q3400-01	Matrix: Water	
Analytical Method: 8270E	Level: LOW	% Solid: 0
Sample Wt/Vol: 990 mL	Final Vol: 1000 uL	Test: SVOC-TCL BNA -20
Prep Method :	Prep Date: 10/22/25	

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	4.00	U	1	0.59	4.00	5.10	ug/L	10/27/25 18:47	PB170222
101-55-3	4-Bromophenyl-phenylether	4.00	U	1	0.40	4.00	5.10	ug/L	10/27/25 18:47	PB170222
118-74-1	Hexachlorobenzene	4.00	U	1	0.53	4.00	5.10	ug/L	10/27/25 18:47	PB170222
1912-24-9	Atrazine	4.00	U	1	1.00	4.00	5.10	ug/L	10/27/25 18:47	PB170222
87-86-5	Pentachlorophenol	8.10	U	1	1.60	8.10	10.1	ug/L	10/27/25 18:47	PB170222
85-01-8	Phenanthrene	4.00	U	1	0.51	4.00	5.10	ug/L	10/27/25 18:47	PB170222
120-12-7	Anthracene	4.00	U	1	0.62	4.00	5.10	ug/L	10/27/25 18:47	PB170222
86-74-8	Carbazole	4.00	U	1	0.73	4.00	5.10	ug/L	10/27/25 18:47	PB170222
84-74-2	Di-n-butylphthalate	4.00	U	1	1.20	4.00	5.10	ug/L	10/27/25 18:47	PB170222
206-44-0	Fluoranthene	4.00	U	1	0.83	4.00	5.10	ug/L	10/27/25 18:47	PB170222
129-00-0	Pyrene	4.00	U	1	0.51	4.00	5.10	ug/L	10/27/25 18:47	PB170222
85-68-7	Butylbenzylphthalate	4.00	U	1	1.90	4.00	5.10	ug/L	10/27/25 18:47	PB170222
91-94-1	3,3-Dichlorobenzidine	8.10	U	1	0.94	8.10	10.1	ug/L	10/27/25 18:47	PB170222
56-55-3	Benzo(a)anthracene	4.00	U	1	0.45	4.00	5.10	ug/L	10/27/25 18:47	PB170222
218-01-9	Chrysene	4.00	U	1	0.44	4.00	5.10	ug/L	10/27/25 18:47	PB170222
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1	1.60	4.00	5.10	ug/L	10/27/25 18:47	PB170222
117-84-0	Di-n-octyl phthalate	8.10	U	1	2.40	8.10	10.1	ug/L	10/27/25 18:47	PB170222
205-99-2	Benzo(b)fluoranthene	4.00	U	1	0.49	4.00	5.10	ug/L	10/27/25 18:47	PB170222
207-08-9	Benzo(k)fluoranthene	4.00	U	1	0.48	4.00	5.10	ug/L	10/27/25 18:47	PB170222
50-32-8	Benzo(a)pyrene	4.00	U	1	0.56	4.00	5.10	ug/L	10/27/25 18:47	PB170222
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	1	0.60	4.00	5.10	ug/L	10/27/25 18:47	PB170222
53-70-3	Dibenzo(a,h)anthracene	4.00	U	1	0.68	4.00	5.10	ug/L	10/27/25 18:47	PB170222
191-24-2	Benzo(g,h,i)perylene	4.00	U	1	0.70	4.00	5.10	ug/L	10/27/25 18:47	PB170222
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	1	0.53	4.00	5.10	ug/L	10/27/25 18:47	PB170222
123-91-1	1,4-Dioxane	4.00	UQ	1	1.00	4.00	5.10	ug/L	10/27/25 18:47	PB170222
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	1	0.73	4.00	5.10	ug/L	10/27/25 18:47	PB170222

SURROGATES

367-12-4	2-Fluorophenol	88.7		19 - 119	59%	SPK: 150
13127-88-3	Phenol-d6	57.7		10 - 130	38%	SPK: 150
4165-60-0	Nitrobenzene-d5	100		44 - 120	100%	SPK: 100
321-60-8	2-Fluorobiphenyl	84.6		44 - 119	85%	SPK: 100
118-79-6	2,4,6-Tribromophenol	137		43 - 140	91%	SPK: 150
1718-51-0	Terphenyl-d14	68.9		50 - 134	69%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	33800
1146-65-2	Naphthalene-d8	134000
15067-26-2	Acenaphthene-d10	109000
1517-22-2	Phenanthrene-d10	263000
1719-03-5	Chrysene-d12	285000
1520-96-3	Perylene-d12	311000

TENTATIVE IDENTIFIED COMPOUNDS

000119-61-9	Benzophenone	9.10	J	16.2	ug/L
000057-10-3	n-Hexadecanoic acid	6.60	J	18.5	ug/L



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

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/20/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/20/25
Client Sample ID:	FRAC-TANK-0760450	SDG No.:	Q3400
Lab Sample ID:	Q3400-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	990 mL	Test:	SVOC-TCL BNA -20
Prep Method :			
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/22/25		

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064593.D
Acq On : 27 Oct 2025 18:47
Operator : RC/JU
Sample : Q3400-01
Misc :
ALS Vial : 12 Sample Multiplier: 2

Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-0760450

Quant Time: Oct 29 16:07:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	67699	40.000	ng	0.00
21) Naphthalene-d8	11.046	136	268060	40.000	ng	0.00
39) Acenaphthene-d10	14.842	164	218553	40.000	ng	0.00
64) Phenanthrene-d10	17.580	188	525908	40.000	ng	0.00
76) Chrysene-d12	21.851	240	570907	40.000	ng	-0.01
86) Perylene-d12	25.194	264	621637	40.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.746	112	178966	88.744	ng	0.00
7) Phenol-d6	7.350	99	159770	57.736	ng	0.00
23) Nitrobenzene-d5	9.383	82	224133	100.440	ng	0.00
42) 2,4,6-Tribromophenol	16.316	330	215818	136.837	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	609771	84.580	ng	0.00
79) Terphenyl-d14	20.165	244	1042911	68.948	ng	-0.01

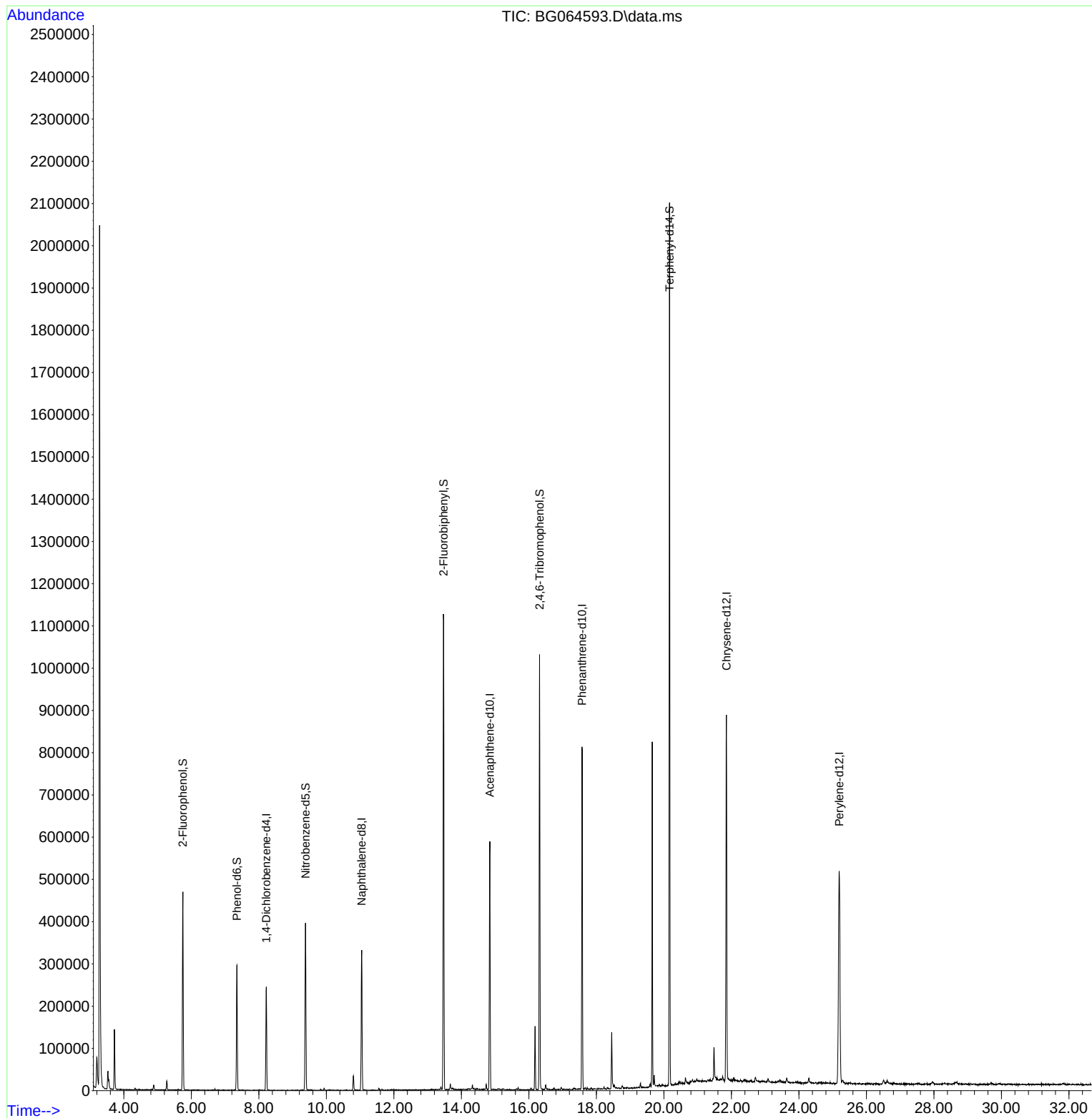
Target Compounds	Qvalue

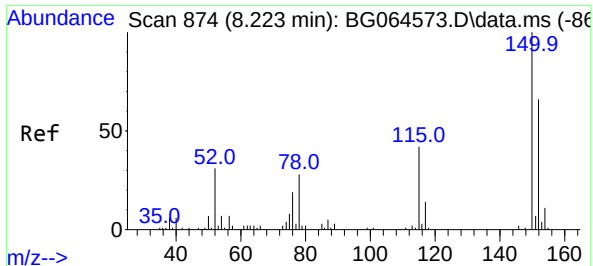
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064593.D
Acq On : 27 Oct 2025 18:47
Operator : RC/JU
Sample : Q3400-01
Misc :
ALS Vial : 12 Sample Multiplier: 2

Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-0760450

Quant Time: Oct 29 16:07:09 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

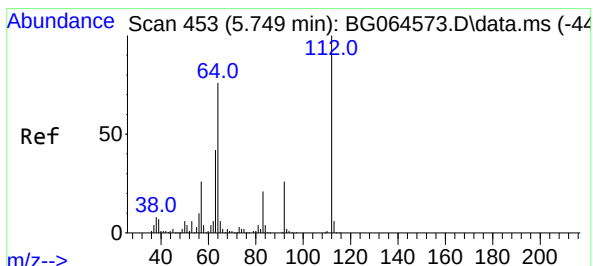
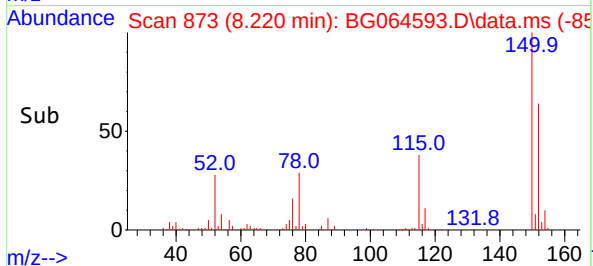
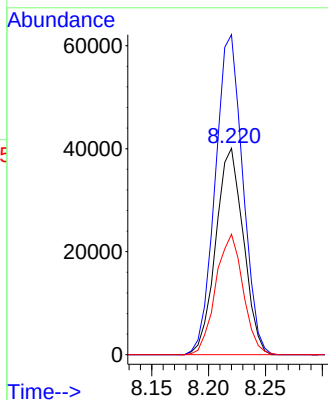
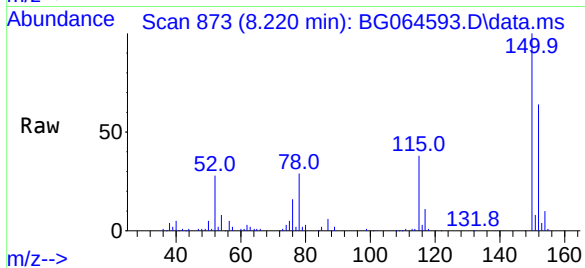




#1
1,4-Dichlorobenzene-d4
Concen: 40.000 ng
RT: 8.220 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

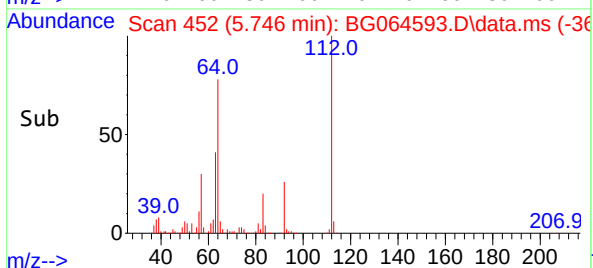
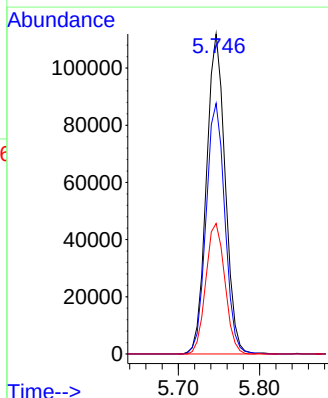
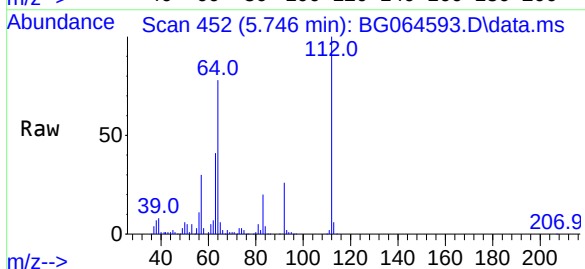
Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-0760450

Tgt Ion:152 Resp: 67699
Ion Ratio Lower Upper
152 100
150 155.1 122.2 183.4
115 58.4 50.8 76.2

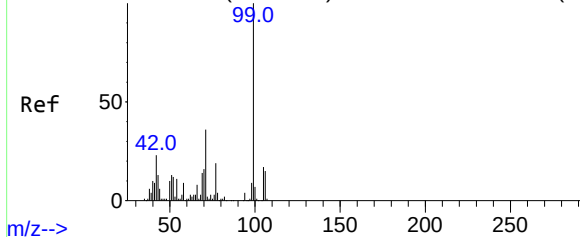


#5
2-Fluorophenol
Concen: 88.744 ng
RT: 5.746 min Scan# 452
Delta R.T. -0.001 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

Tgt Ion:112 Resp: 178966
Ion Ratio Lower Upper
112 100
64 78.3 60.7 91.1
63 40.8 33.4 50.0



Abundance Scan 726 (7.353 min): BG064573.D\data.ms (-71



#7

Phenol-d6

Concen: 57.736 ng

RT: 7.350 min Scan# 71

Delta R.T. -0.006 min

Lab File: BG064593.D

Acq: 27 Oct 2025 18:47

Instrument :

BNA_G

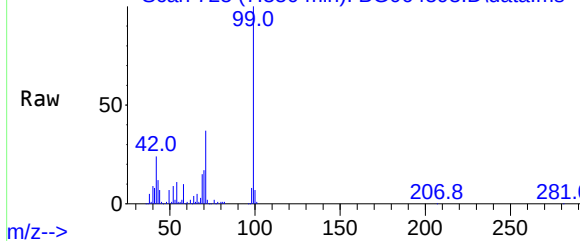
ClientSampleId :

FRAC-TANK-0760450

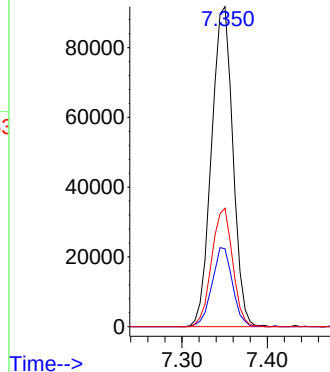
Tgt Ion: 99 Resp: 159770

Ion	Ratio	Lower	Upper
99	100		
42	24.3	18.3	27.5
71	37.0	28.6	43.0

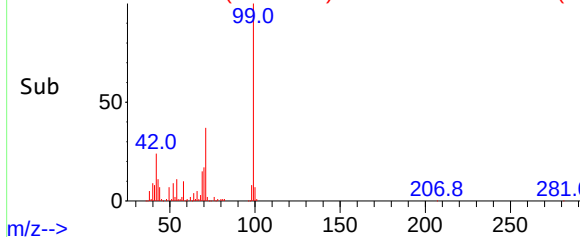
Abundance Scan 725 (7.350 min): BG064593.D\data.ms



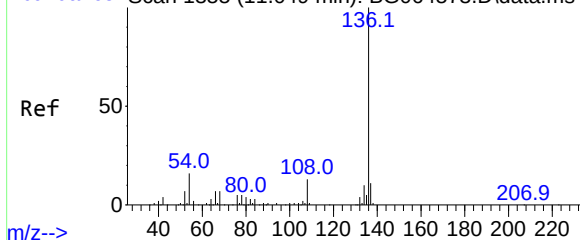
Abundance



Abundance Scan 725 (7.350 min): BG064593.D\data.ms (-63



Abundance Scan 1355 (11.049 min): BG064573.D\data.ms (-



#21

Naphthalene-d8

Concen: 40.000 ng

RT: 11.046 min Scan# 1354

Delta R.T. -0.006 min

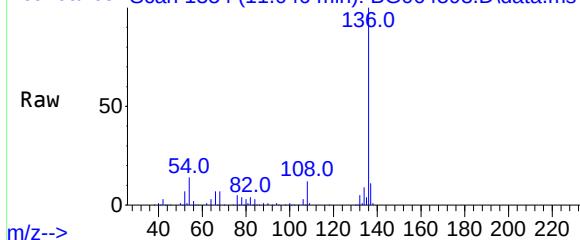
Lab File: BG064593.D

Acq: 27 Oct 2025 18:47

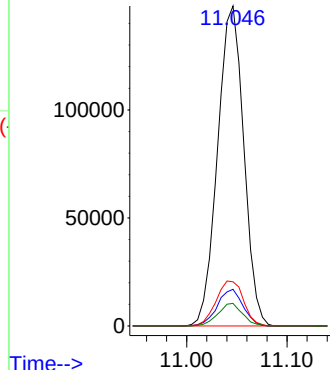
Tgt Ion: 136 Resp: 268060

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	13.8	12.6	19.0
68	7.0	5.7	8.5

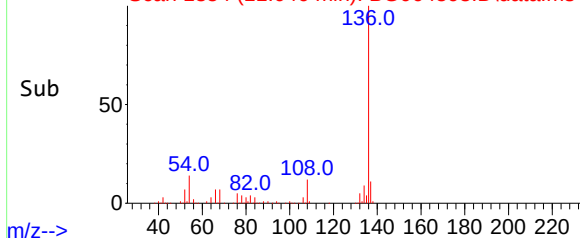
Abundance Scan 1354 (11.046 min): BG064593.D\data.ms

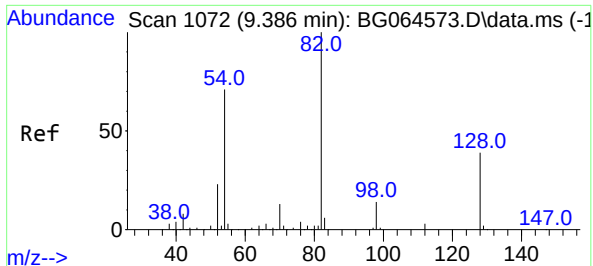


Abundance



Abundance Scan 1354 (11.046 min): BG064593.D\data.ms (-





#23

Nitrobenzene-d5

Concen: 100.440 ng

RT: 9.383 min Scan# 1072

Delta R.T. -0.007 min

Lab File: BG064593.D

Acq: 27 Oct 2025 18:47

Instrument :

BNA_G

ClientSampleId :

FRAC-TANK-0760450

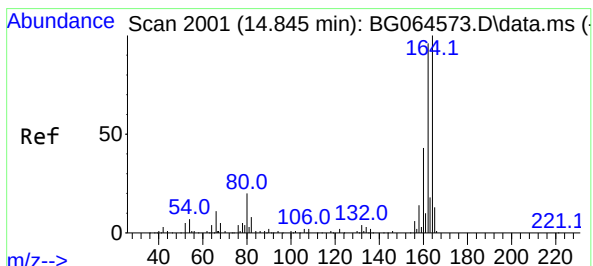
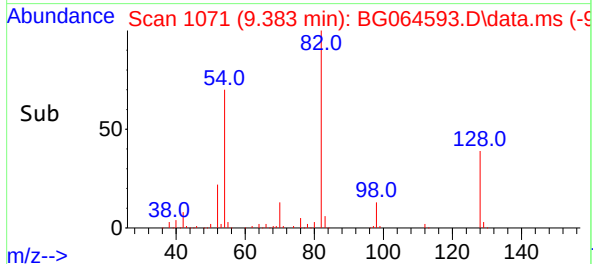
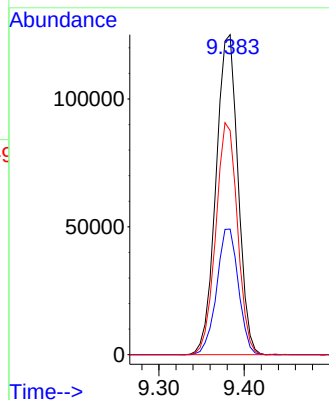
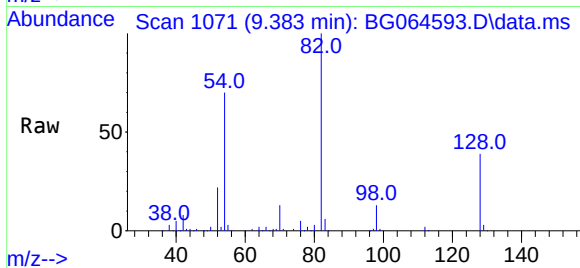
Tgt Ion: 82 Resp: 224133

Ion Ratio Lower Upper

82 100

128 39.2 31.3 46.9

54 70.0 56.6 84.8



#39

Acenaphthene-d10

Concen: 40.000 ng

RT: 14.842 min Scan# 2000

Delta R.T. -0.001 min

Lab File: BG064593.D

Acq: 27 Oct 2025 18:47

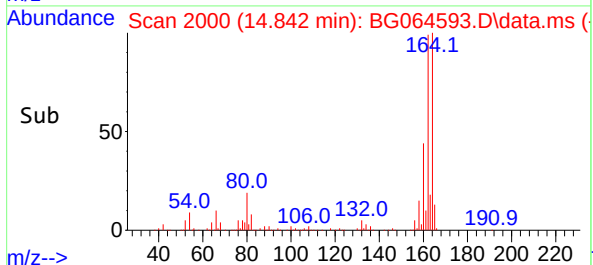
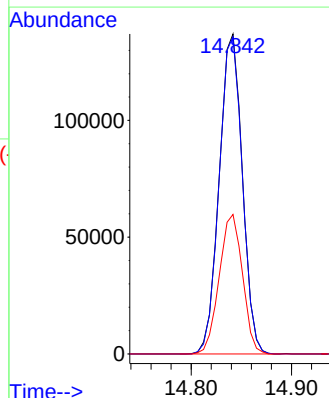
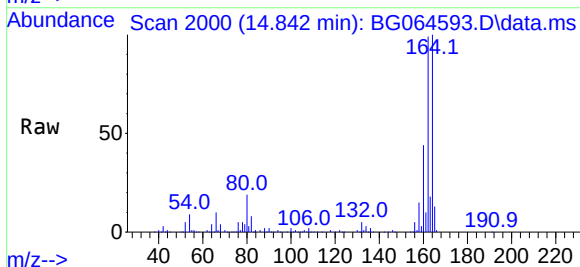
Tgt Ion:164 Resp: 218553

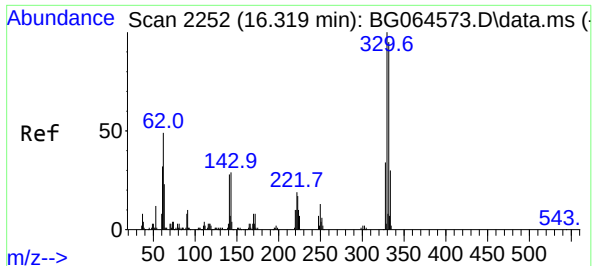
Ion Ratio Lower Upper

164 100

162 99.2 77.0 115.6

160 43.6 34.4 51.6

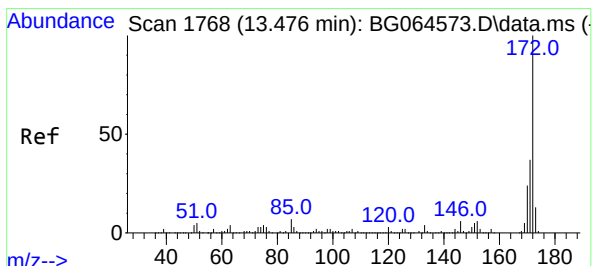
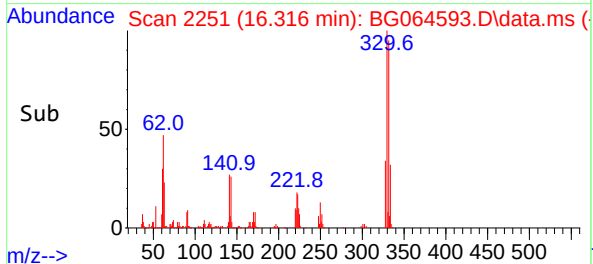
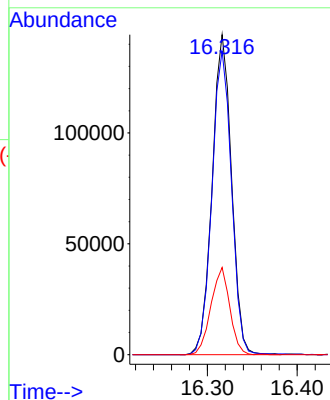
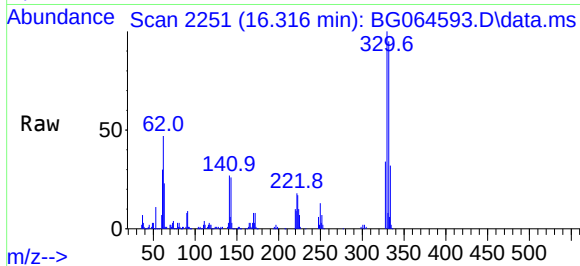




#42
2,4,6-Tribromophenol
Concen: 136.837 ng
RT: 16.316 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

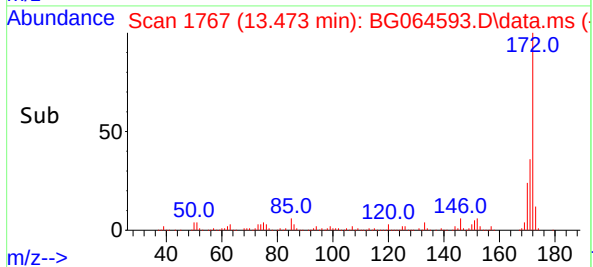
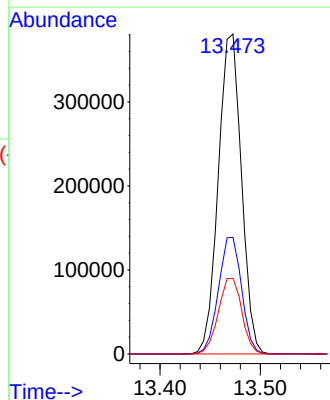
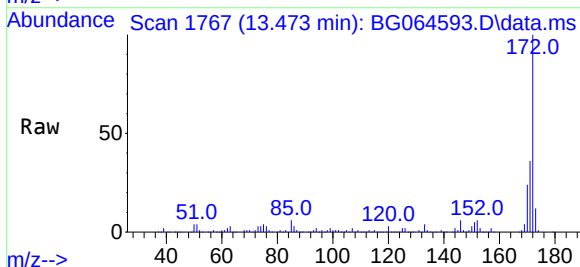
Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-0760450

Tgt Ion:330 Resp: 215818
Ion Ratio Lower Upper
330 100
332 95.7 78.0 117.0
141 26.5 21.8 32.6

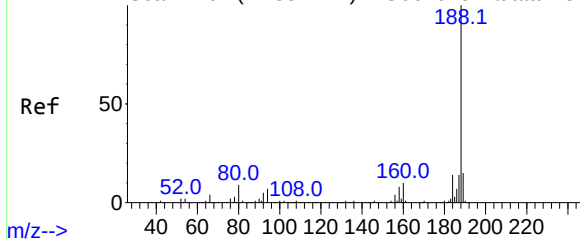


#45
2-Fluorobiphenyl
Concen: 84.580 ng
RT: 13.473 min Scan# 1767
Delta R.T. -0.006 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

Tgt Ion:172 Resp: 609771
Ion Ratio Lower Upper
172 100
171 36.5 29.4 44.0
170 23.7 19.1 28.7



Abundance Scan 2467 (17.582 min): BG064573.D\data.ms (

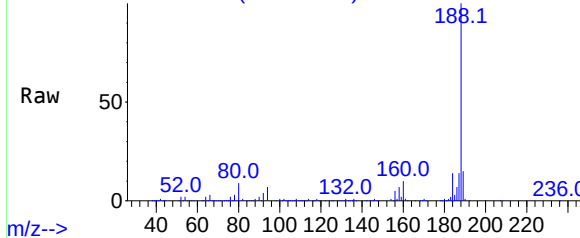


#64
Phenanthrene-d10
Concen: 40.000 ng
RT: 17.580 min Scan# 2467
Delta R.T. -0.000 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

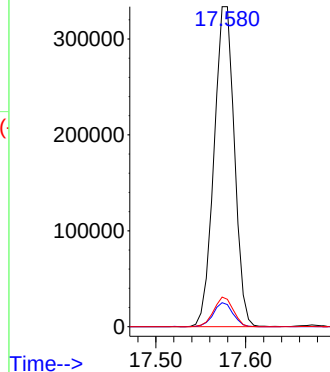
Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-0760450

Tgt Ion:188 Resp: 525908
Ion Ratio Lower Upper
188 100
94 6.9 5.7 8.5
80 8.5 6.8 10.2

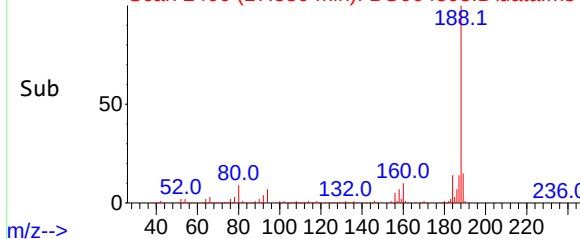
Abundance Scan 2466 (17.580 min): BG064593.D\data.ms



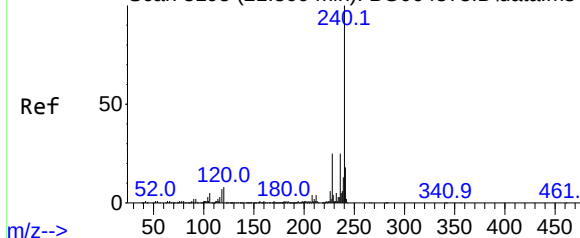
Abundance



Abundance Scan 2466 (17.580 min): BG064593.D\data.ms (



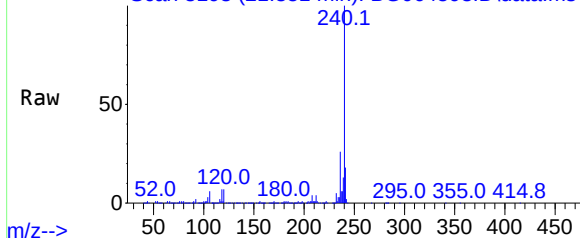
Abundance Scan 3195 (21.860 min): BG064573.D\data.ms (



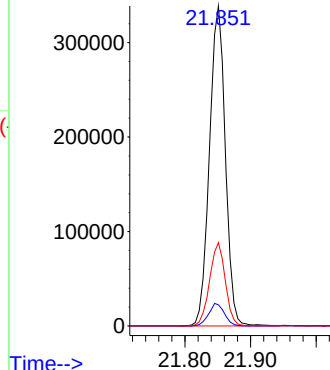
#76
Chrysene-d12
Concen: 40.000 ng
RT: 21.851 min Scan# 3193
Delta R.T. -0.012 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

Tgt Ion:240 Resp: 570907
Ion Ratio Lower Upper
240 100
120 6.6 6.5 9.7
236 26.1 20.2 30.2

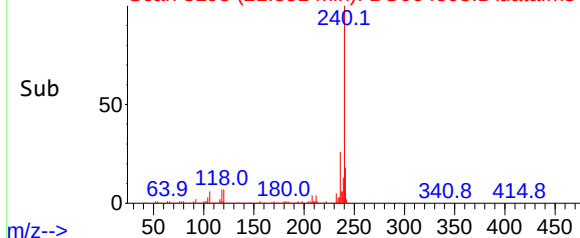
Abundance Scan 3193 (21.851 min): BG064593.D\data.ms

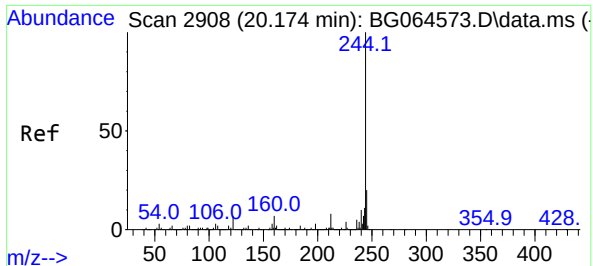


Abundance



Abundance Scan 3193 (21.851 min): BG064593.D\data.ms (

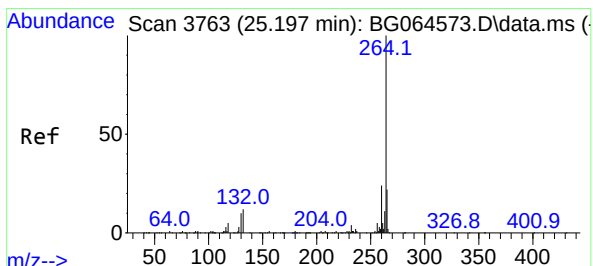
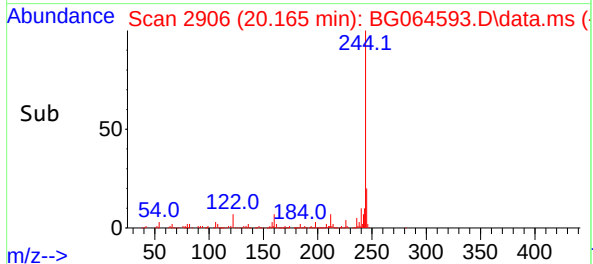
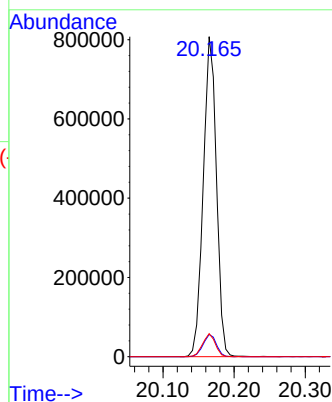
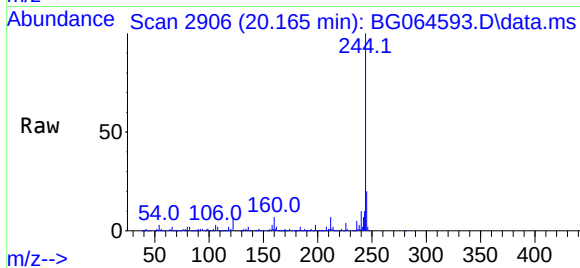




#79
Terphenyl-d14
Concen: 68.948 ng
RT: 20.165 min Scan# 2906
Delta R.T. -0.012 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

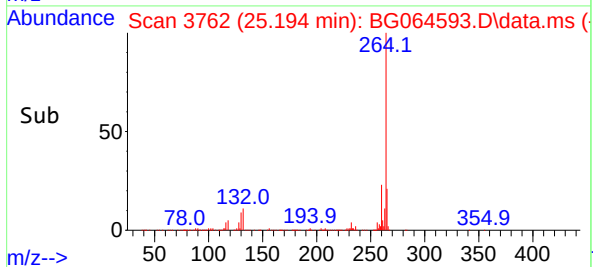
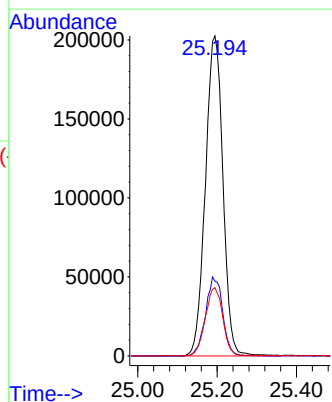
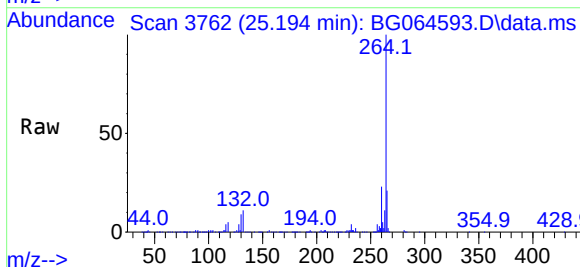
Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-0760450

Tgt Ion:244 Resp: 1042911
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 7.2 5.6 8.4



#86
Perylene-d12
Concen: 40.000 ng
RT: 25.194 min Scan# 3762
Delta R.T. -0.006 min
Lab File: BG064593.D
Acq: 27 Oct 2025 18:47

Tgt Ion:264 Resp: 621637
Ion Ratio Lower Upper
264 100
260 23.3 19.0 28.4
265 21.3 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064593.D
 Acq On : 27 Oct 2025 18:47
 Operator : RC/JU
 Sample : Q3400-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 2

Instrument :
 BNA_G
 ClientSampleId :
 FRAC-TANK-0760450

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

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

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

Signal : TIC: BG064593.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.196	12	18	26	rBV	71340	156758	4.86%	0.802%
2	3.279	26	32	48	rVB	2040088	3223068	100.00%	16.496%
3	3.526	69	74	77	rBV	42436	70267	2.18%	0.360%
4	3.719	102	107	118	rVB	142310	206292	6.40%	1.056%
5	5.271	366	371	378	rVB	21179	33645	1.04%	0.172%
6	5.746	445	452	463	rBV	469212	746593	23.16%	3.821%
7	7.350	717	725	735	rVB	296078	523281	16.24%	2.678%
8	8.220	866	873	880	rBV	244402	415734	12.90%	2.128%
9	9.377	1062	1070	1080	rBV	395272	720508	22.35%	3.688%
10	10.799	1306	1312	1323	rBV2	33971	58880	1.83%	0.301%
11	11.046	1346	1354	1362	rBV	331345	597956	18.55%	3.060%
12	13.467	1759	1766	1775	rVB	1126274	1804924	56.00%	9.238%
13	14.842	1992	2000	2007	rVB	588029	947931	29.41%	4.852%
14	16.181	2222	2228	2234	rBV	150504	212416	6.59%	1.087%
15	16.316	2244	2251	2263	rBV	1030124	1563885	48.52%	8.004%
16	17.574	2458	2465	2474	rVB2	810993	1275677	39.58%	6.529%
17	18.455	2609	2615	2623	rBV	134336	208079	6.46%	1.065%
18	19.654	2814	2819	2824	rBV	815794	924677	28.69%	4.733%
19	19.712	2825	2829	2835	rVB3	25451	32969	1.02%	0.169%
20	20.165	2900	2906	2913	rBV	2090467	2689211	83.44%	13.764%
21	21.481	3126	3130	3137	rBV	75145	118335	3.67%	0.606%
22	21.851	3185	3193	3201	rBV	865534	1474143	45.74%	7.545%
23	25.194	3750	3762	3773	rBV	501984	1533368	47.57%	7.848%

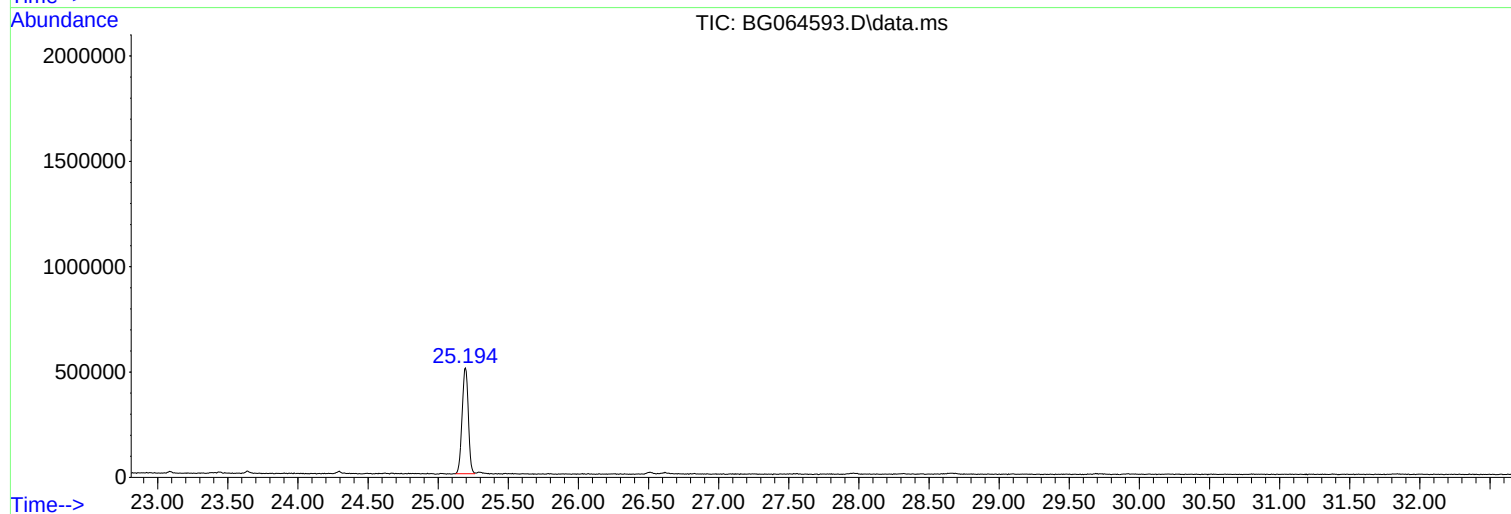
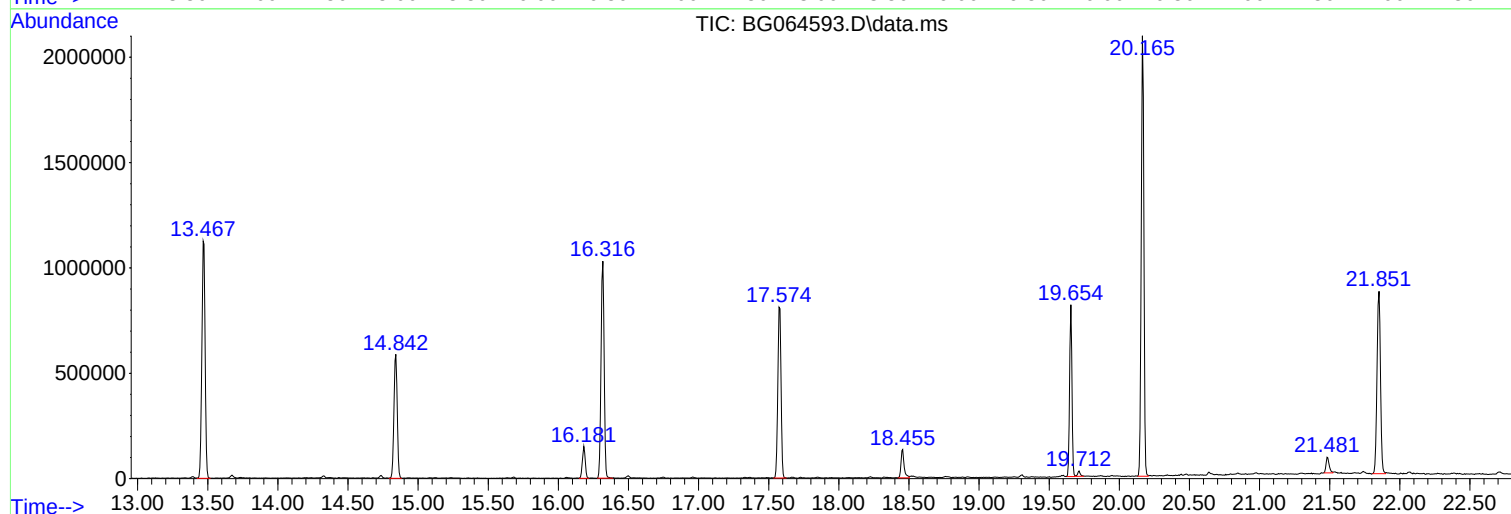
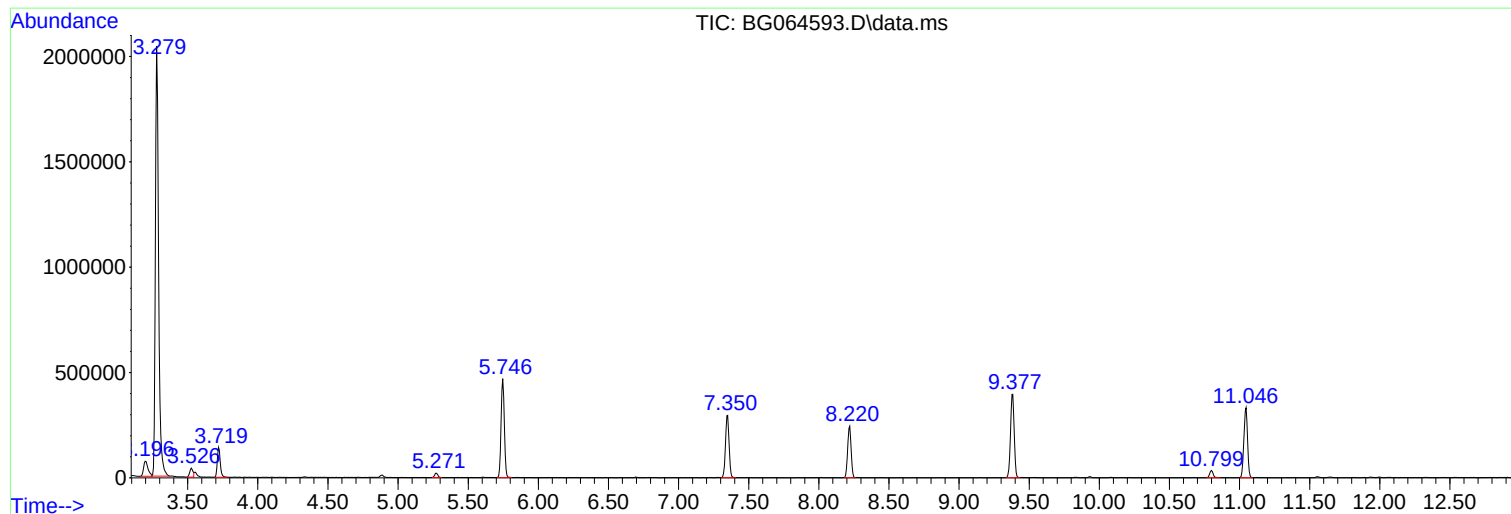
Sum of corrected areas: 19538597

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064593.D
Acq On : 27 Oct 2025 18:47
Operator : RC/JU
Sample : Q3400-01
Misc :
ALS Vial : 12 Sample Multiplier: 2

Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-0760450

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064593.D
Acq On : 27 Oct 2025 18:47
Operator : RC/JU
Sample : Q3400-01
Misc :
ALS Vial : 12 Sample Multiplier: 2

Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-0760450

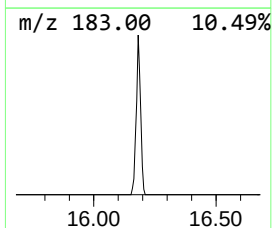
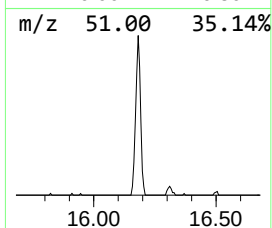
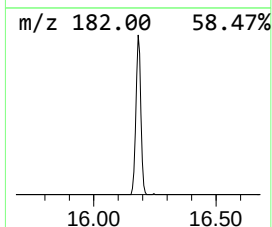
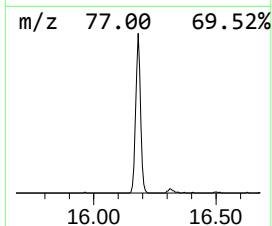
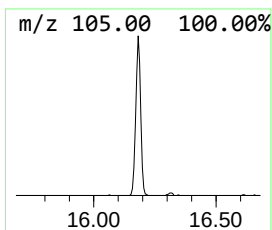
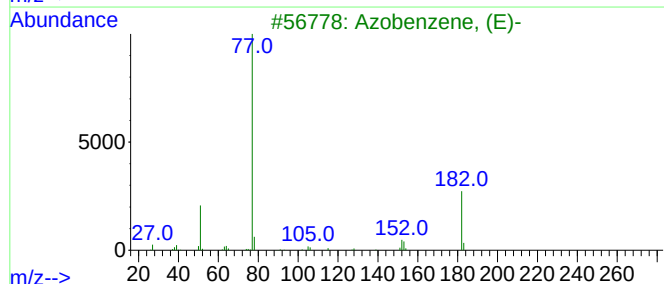
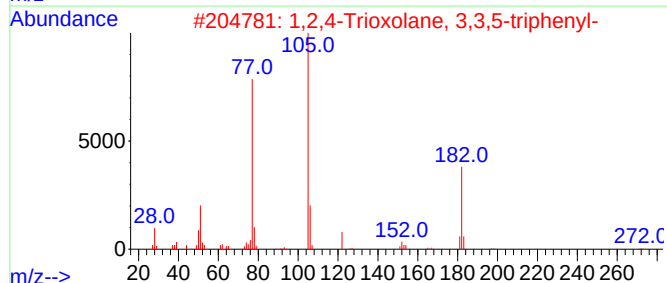
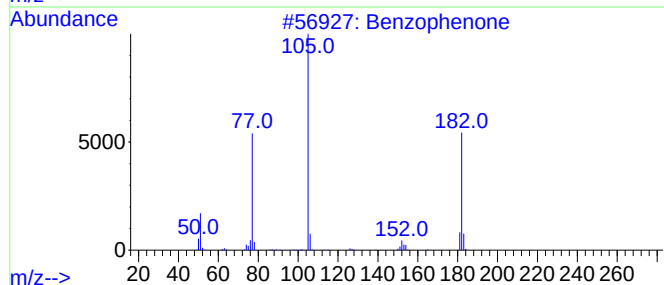
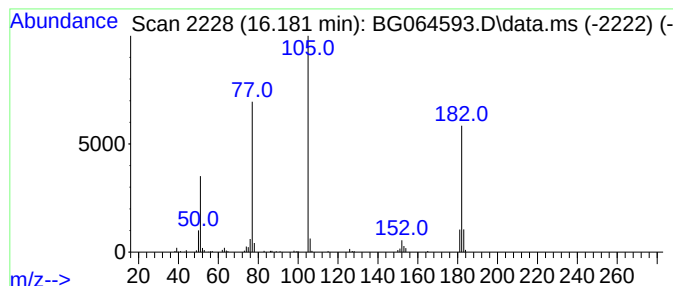
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.181	8.96 ng	212416	Acenaphthene-d10	14.842

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzophenone	182	C13H10O	000119-61-9	97
2			1,2,4-Trioxolane, 3,3,5-triphenyl-	304	C20H16O3	023246-12-0	72
3			Azobenzene, (E)-	182	C12H10N2	017082-12-1	53
4			1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	43
5			Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064593.D
Acq On : 27 Oct 2025 18:47
Operator : RC/JU
Sample : Q3400-01
Misc :
ALS Vial : 12 Sample Multiplier: 2

Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-0760450

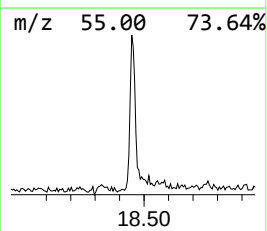
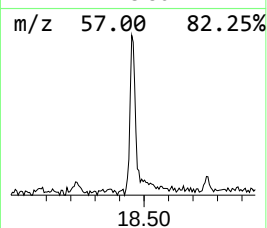
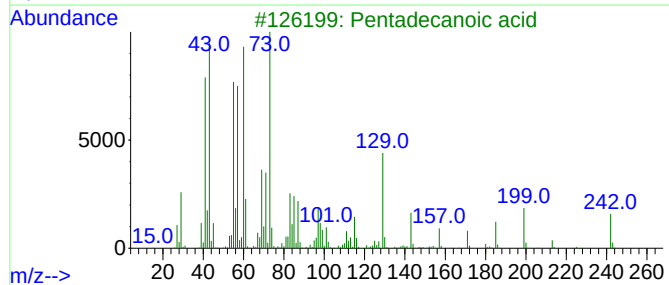
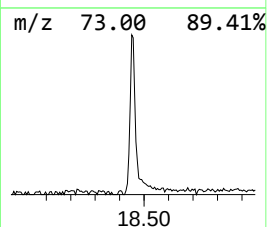
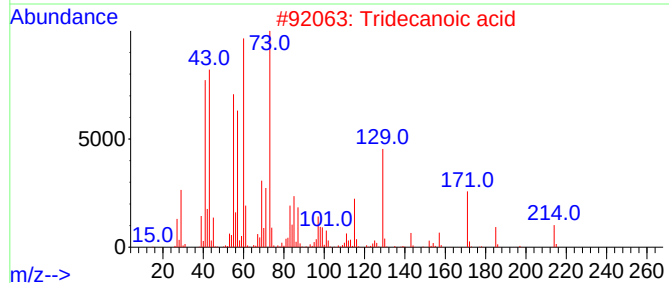
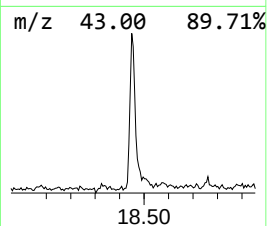
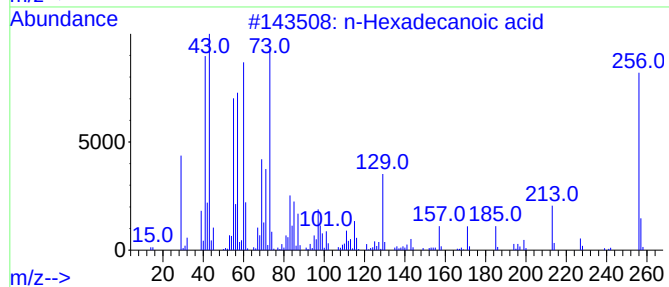
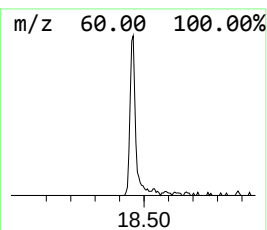
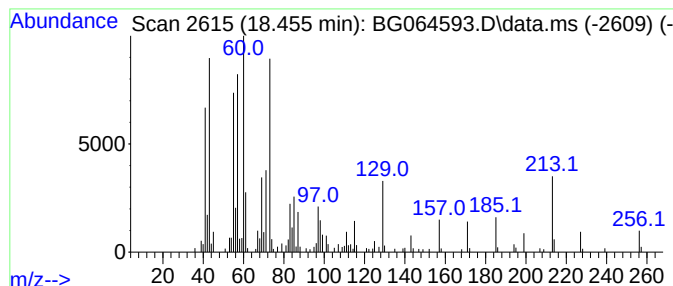
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.455	6.52 ng	208079	Phenanthrene-d10	17.580

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2			Tridecanoic acid	214	C13H26O2	000638-53-9	70
3			Pentadecanoic acid	242	C15H30O2	001002-84-2	68
4			8-Methylnonanoic acid	172	C10H20O2	005963-14-4	64
5			Tetradecanoic acid	228	C14H28O2	000544-63-8	59



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064593.D
Acq On : 27 Oct 2025 18:47
Operator : RC/JU
Sample : Q3400-01
Misc :
ALS Vial : 12 Sample Multiplier: 2

Instrument :
BNA_G
ClientSampleId :
FRAC-TANK-0760450

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzophenone	16.181	9.0	ng	212416	3	14.842	947931	20.0
n-Hexadecanoic ...	18.455	6.5	ng	208079	4	17.580	1275680	20.0



CALIBRATION SUMMARY



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: ICES02Lab Code: ACESDG No.: Q3400Instrument ID: BNA_GCalibration Date(s): 10/24/2025 10/24/2025Calibration Time(s): 09:00 15:32

LAB FILE ID:		RRF2.5 = BG064569.D			RRF005 = BG064570.D		RRF010 = BG064571.D	
		RRF020 = BG064572.D			RRF040 = BG064573.D		RRF060 = BG064574.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
2-Fluorophenol		1.098	1.207	1.155	1.292	1.318	1.192	7.1
Benzaldehyde			0.942	0.994	0.940	0.981	0.893	14.1
Phenol-d6		1.469	1.654	1.566	1.771	1.864	1.635	8.6
Phenol		1.665	1.820	1.748	1.944	2.027	1.808	7.4
bis(2-Chloroethyl) ether		2.203	2.320	2.131	2.386	2.440	2.225	7.3
2-Chlorophenol		1.051	1.207	1.197	1.373	1.461	1.247	10.6
2-Methylphenol		0.548	0.670	0.646	0.745	0.793	0.674	11.7
2,2-oxybis(1-Chloropropane)		3.421	3.604	3.396	3.733	3.802	3.487	6.7
Acetophenone		0.535	0.565	0.528	0.584	0.590	0.547	6.0
3+4-Methylphenols			1.652	1.581	1.818	1.895	1.688	8.0
n-Nitroso-di-n-propylamine	1.044	1.038	1.141	1.129	1.227	1.289	1.130	7.9
Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.403	0.333	17.0
Hexachloroethane		0.468	0.535	0.505	0.541	0.557	0.512	6.4
Nitrobenzene		0.274	0.312	0.344	0.410	0.438	0.362	15.6
Isophorone		0.751	0.796	0.771	0.869	0.891	0.799	7.2
2-Nitrophenol		0.076	0.095	0.110	0.137	0.152	0.121	23.2
2,4-Dimethylphenol		0.236	0.294	0.285	0.335	0.359	0.303	12.9
bis(2-Chloroethoxy) methane		0.452	0.464	0.443	0.490	0.493	0.455	6.5
2,4-Dichlorophenol		0.243	0.299	0.315	0.360	0.373	0.320	13.3
Naphthalene		1.083	1.144	1.084	1.177	1.201	1.109	6.0
4-Chloroaniline		0.390	0.456	0.411	0.459	0.486	0.431	8.3
Hexachlorobutadiene		0.266	0.291	0.282	0.299	0.306	0.284	5.3
Caprolactam			0.112	0.114	0.134	0.142	0.123	9.9
4-Chloro-3-methylphenol		0.323	0.381	0.361	0.426	0.454	0.384	11.2
2-Methylnaphthalene		0.764	0.858	0.797	0.865	0.888	0.814	6.7
Hexachlorocyclopentadiene			0.268	0.279	0.324	0.340	0.302	9.0
2,4,6-Trichlorophenol		0.294	0.333	0.375	0.423	0.456	0.384	14.4
2-Fluorobiphenyl		1.310	1.389	1.306	1.384	1.384	1.319	5.2
2,4,5-Trichlorophenol		0.339	0.425	0.439	0.484	0.517	0.443	12.5
1,1-Biphenyl		1.456	1.450	1.401	1.489	1.498	1.422	5.0
2-Chloronaphthalene		1.065	1.082	1.053	1.132	1.145	1.073	4.7
2-Nitroaniline		0.201	0.234	0.277	0.348	0.404	0.311	24.1
Dimethylphthalate		1.389	1.570	1.488	1.641	1.699	1.530	7.2
Acenaphthylene		1.667	1.726	1.647	1.786	1.827	1.693	5.3

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: ICES02Lab Code: ACESDG No.: Q3400Instrument ID: BNA_GCalibration Date(s): 10/24/2025 10/24/2025Calibration Time(s): 09:00 15:32

LAB FILE ID:		RRF2.5 = BG064569.D			RRF005 = BG064570.D		RRF010 = BG064571.D	
		RRF020 = BG064572.D			RRF040 = BG064573.D		RRF060 = BG064574.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
2,6-Dinitrotoluene		0.127	0.180	0.193	0.247	0.283	0.218	24.7
3-Nitroaniline		0.180	0.211	0.252	0.294	0.325	0.263	19.7
Acenaphthene		1.126	1.178	1.115	1.223	1.261	1.157	5.6
2,4-Dinitrophenol			0.086	0.110	0.137	0.165	0.132	22.1
4-Nitrophenol			0.191	0.213	0.261	0.283	0.244	14.4
Dibenzofuran		1.881	1.972	1.826	1.963	1.988	1.870	6.0
2,4-Dinitrotoluene		0.223	0.269	0.300	0.385	0.434	0.340	22.7
Diethylphthalate		1.417	1.645	1.514	1.657	1.718	1.563	7.1
4-Chlorophenyl-phenylether		0.800	0.864	0.792	0.866	0.888	0.820	6.4
Fluorene		1.471	1.559	1.426	1.531	1.549	1.460	6.4
4-Nitroaniline		0.194	0.252	0.286	0.327	0.355	0.293	18.6
4,6-Dinitro-2-methylphenol			0.055	0.064	0.083	0.097	0.079	21.0
n-Nitrosodiphenylamine		0.510	0.551	0.525	0.583	0.594	0.540	6.8
2,4,6-Tribromophenol		0.221	0.266	0.272	0.318	0.346	0.289	14.0
4-Bromophenyl-phenylether		0.218	0.236	0.230	0.258	0.264	0.237	7.3
Hexachlorobenzene		0.254	0.266	0.262	0.292	0.302	0.270	7.0
Atrazine		0.215	0.227	0.249	0.245	0.261	0.232	8.3
Pentachlorophenol			0.132	0.152	0.180	0.199	0.169	13.9
Phenanthrene		1.084	1.133	1.073	1.162	1.179	1.094	6.2
Anthracene		1.087	1.144	1.101	1.187	1.204	1.113	6.2
Carbazole		0.982	1.037	0.982	1.031	1.028	0.981	5.9
Di-n-butylphthalate		1.011	1.156	1.179	1.240	1.198	1.135	7.1
Fluoranthene		1.385	1.463	1.380	1.440	1.403	1.370	5.9
Pyrene		1.287	1.331	1.284	1.411	1.406	1.307	6.2
Terphenyl-d14		1.074	1.120	1.066	1.142	1.102	1.060	7.2
Butylbenzylphthalate		0.284	0.359	0.388	0.450	0.467	0.395	15.4
3,3-Dichlorobenzidine			0.418	0.428	0.477	0.486	0.443	6.9
Benzo (a) anthracene		1.294	1.355	1.292	1.416	1.430	1.326	5.7
Chrysene		1.249	1.291	1.229	1.344	1.359	1.262	5.8
Bis (2-ethylhexyl) phthalate		0.484	0.555	0.581	0.671	0.667	0.590	11.0
Di-n-octyl phthalate			0.871	0.932	1.087	1.117	0.995	9.3
Benzo (b) fluoranthene		1.138	1.246	1.169	1.322	1.353	1.226	6.8
Benzo (k) fluoranthene		1.175	1.260	1.206	1.285	1.364	1.227	6.5
Benzo (a) pyrene		1.061	1.144	1.093	1.202	1.246	1.127	6.4
Indeno (1,2,3-cd) pyrene		1.383	1.491	1.410	1.568	1.642	1.471	6.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: ICES02Lab Code: ACESDG No.: Q3400Instrument ID: BNA_GCalibration Date(s): 10/24/2025 10/24/2025Calibration Time(s): 09:00 15:32

LAB FILE ID:		RRF2.5 = BG064569.D			RRF005 = BG064570.D		RRF010 = BG064571.D	
		RRF020 = BG064572.D			RRF040 = BG064573.D		RRF060 = BG064574.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF060	RRF	% RSD
Dibenzo(a,h)anthracene		1.120	1.223	1.158	1.268	1.324	1.195	6.5
Benzo(g,h,i)perylene		1.383	1.491	1.410	1.568	1.642	1.471	6.8
1,2,4,5-Tetrachlorobenzene		0.657	0.684	0.648	0.702	0.717	0.671	4.6
1,4-Dioxane		0.570	0.581	0.524	0.525	0.559	0.528	8.8
2,3,4,6-Tetrachlorophenol		0.312	0.385	0.402	0.466	0.508	0.424	15.0

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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

Calibration Files

2.5 =BG064569.D 5 =BG064570.D 10 =BG064571.D 20 =BG064572.D 40 =BG064573.D 50 =BG064576.D 60 =BG064574.D 80 =BG064575.D

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

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

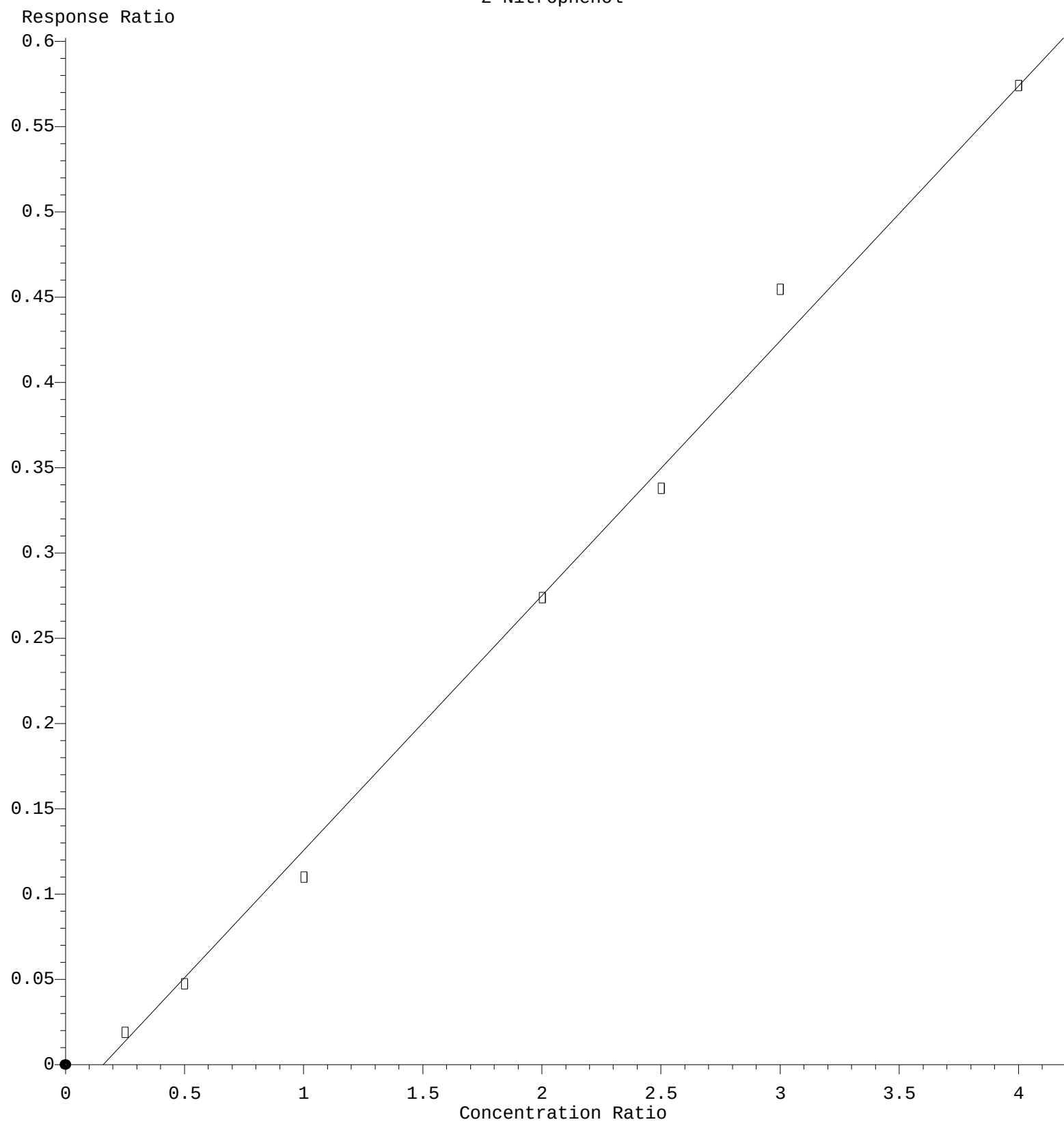
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.657	0.684	0.648	0.702	0.633	0.717	0.657	0.671	4.55	
41) P	Hexachlorocycl...	0.268	0.279	0.324	0.297	0.340	0.305	0.302		8.97	
42) S	2,4,6-Tribromo...	0.221	0.266	0.272	0.318	0.292	0.346	0.306	0.289	14.04	
43) C	2,4,6-Trichlor...	0.294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

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

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

(#) = Out of Range

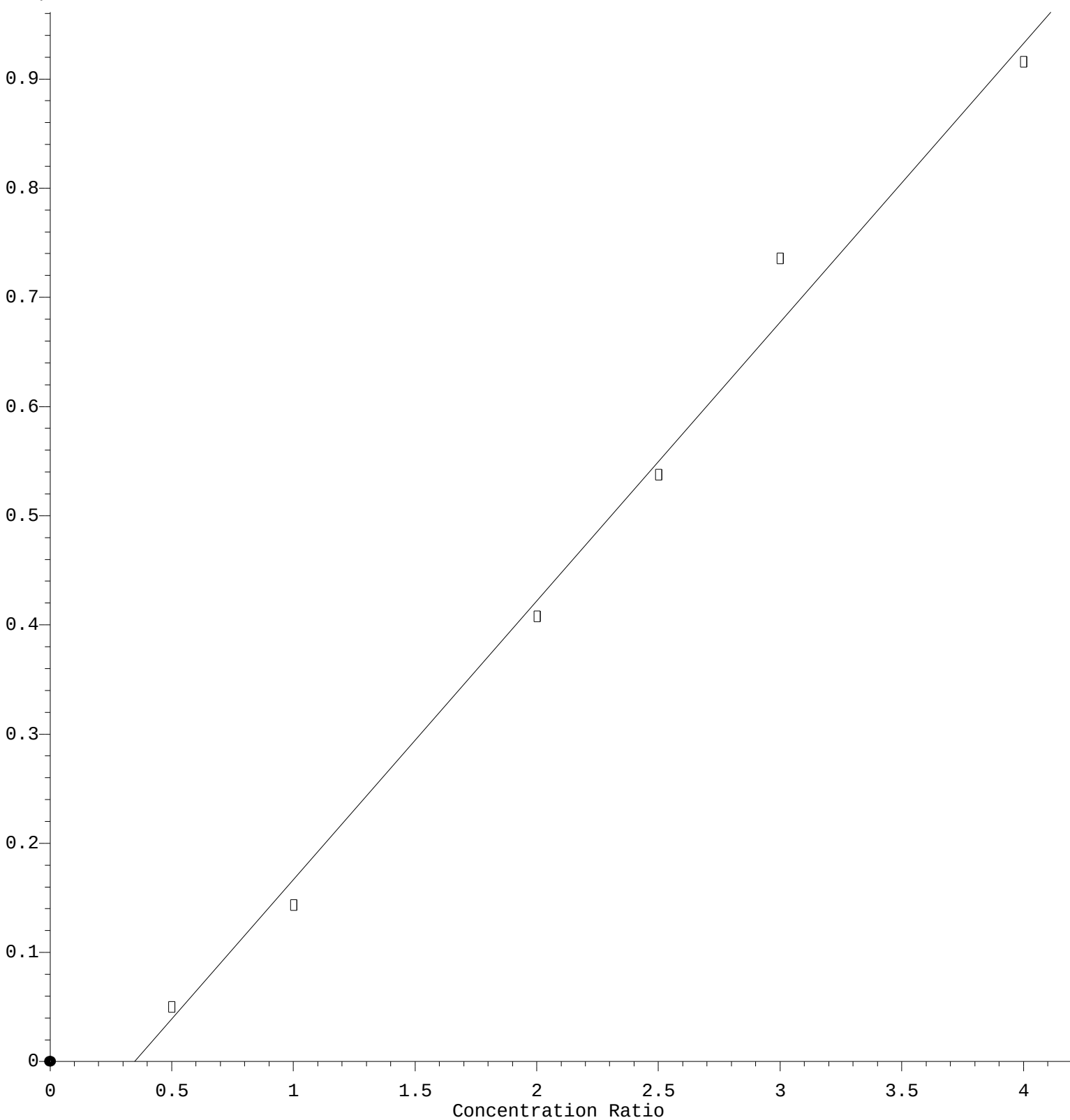
2-Nitrophenol



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

Benzoic acid

Response Ratio



$$\text{Response} = 2.554\text{e-}001 * \text{Amt} - 8.844\text{e-}002$$

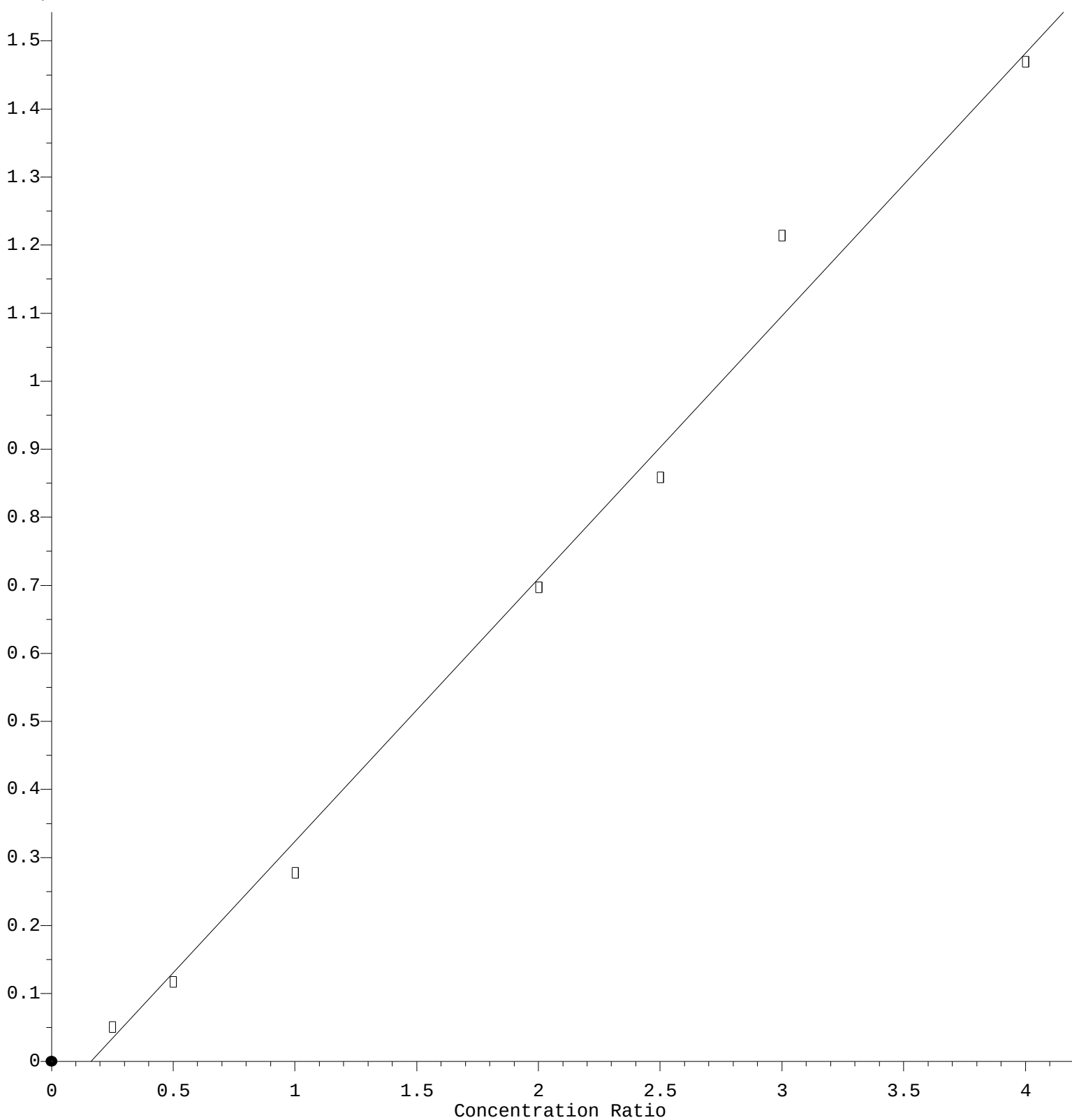
Coef of Det (r^2) = 0.993384 Curve Fit: wlr(1/a)

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

Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

2-Nitroaniline

Response Ratio



$$\text{Response} = 3.863\text{e-}001 * \text{Amt} - 6.228\text{e-}002$$

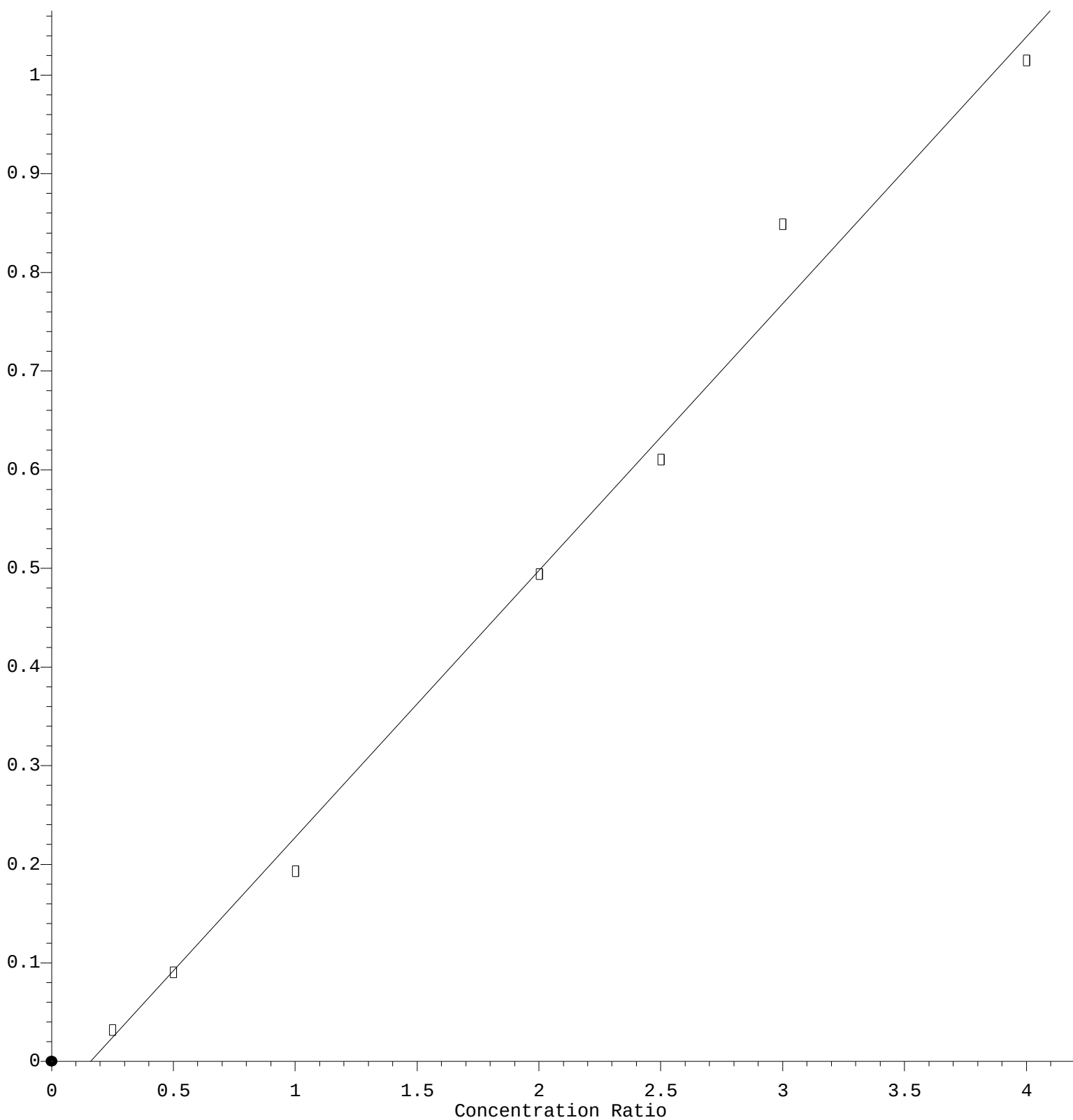
Coef of Det (r^2) = 0.991893 Curve Fit: wlr(1/a)

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

Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

2,6-Dinitrotoluene

Response Ratio



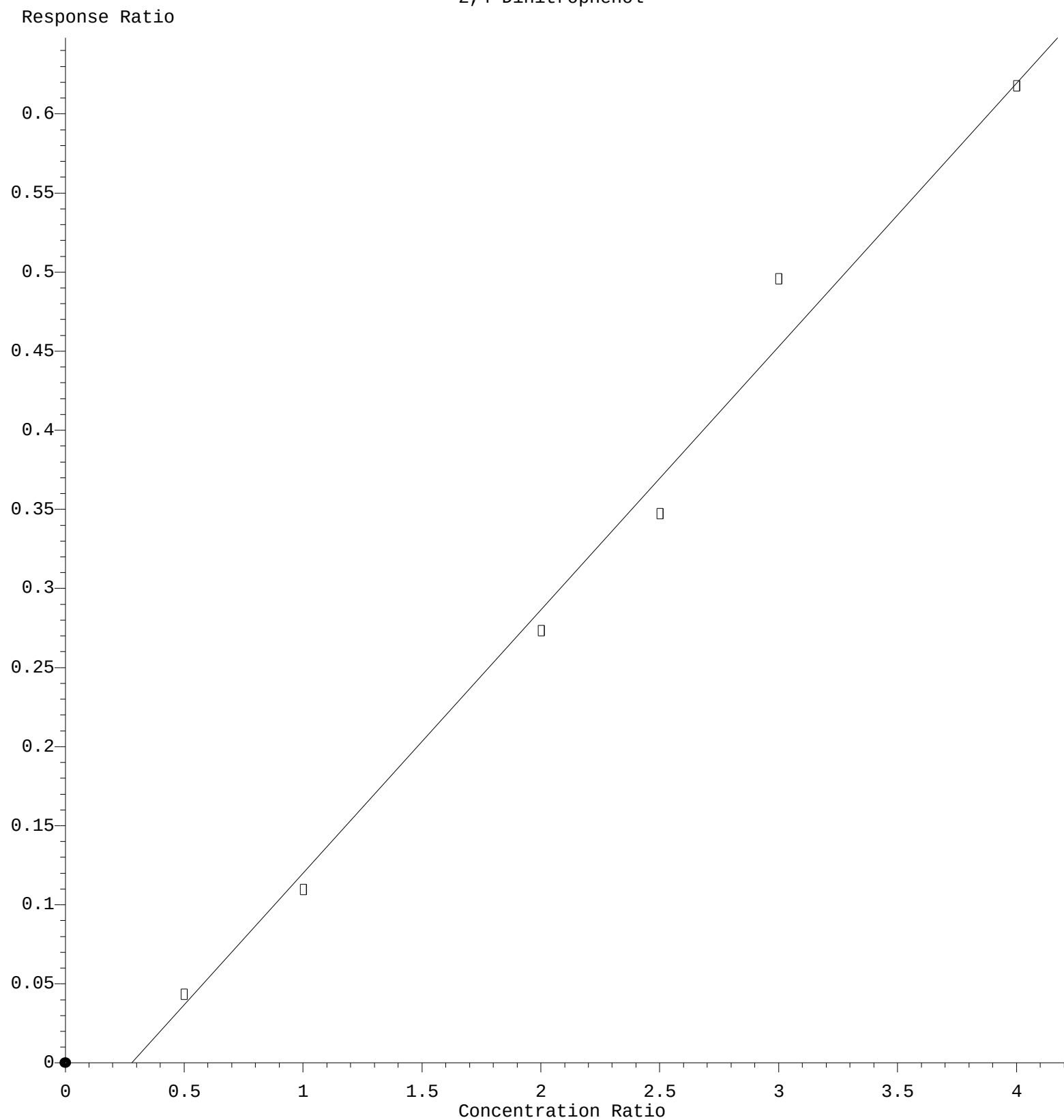
$$\text{Response} = 2.705\text{e-}001 * \text{Amt} - 4.319\text{e-}002$$

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

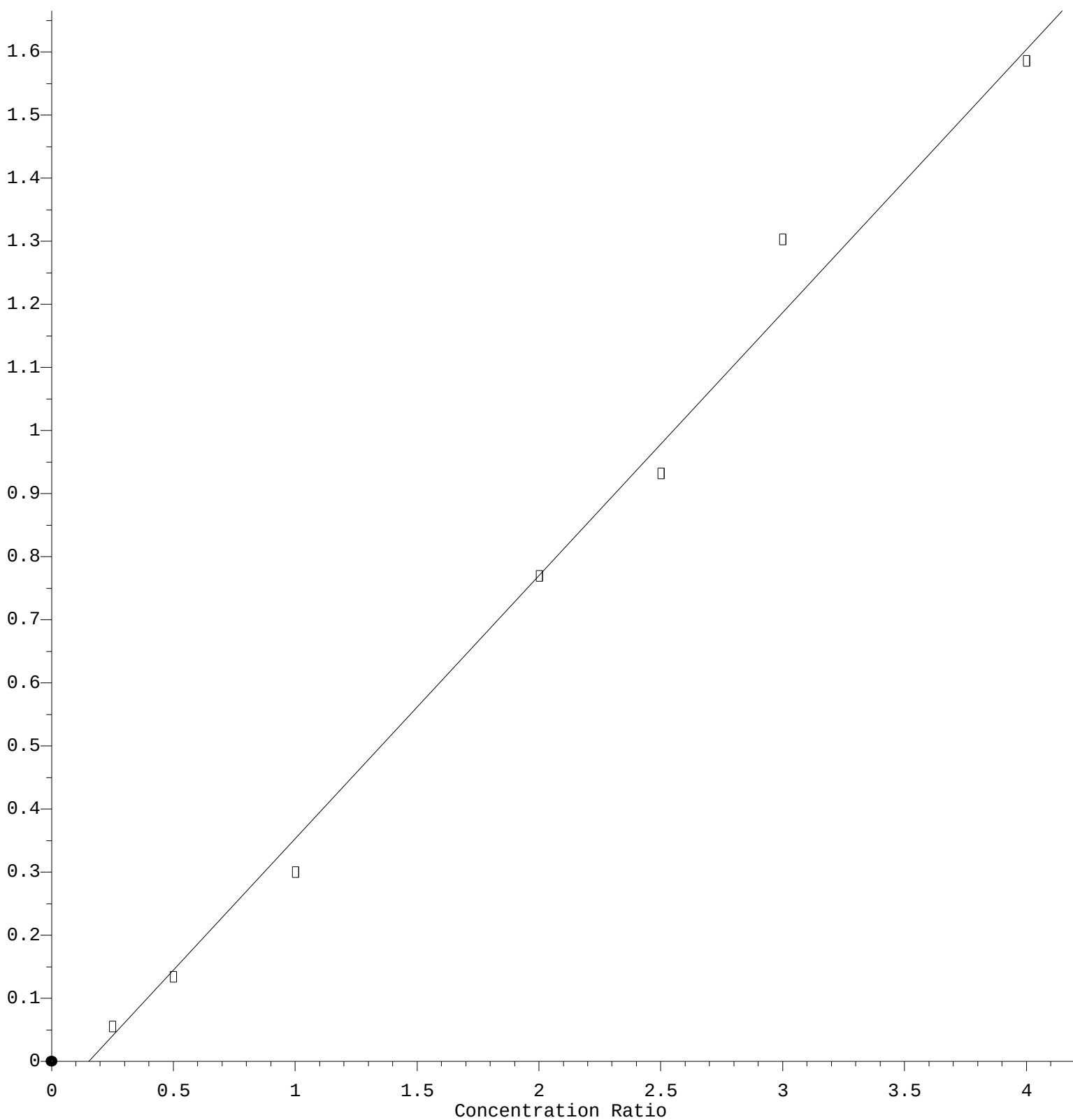
2,4-Dinitrophenol



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

2,4-Dinitrotoluene

Response Ratio



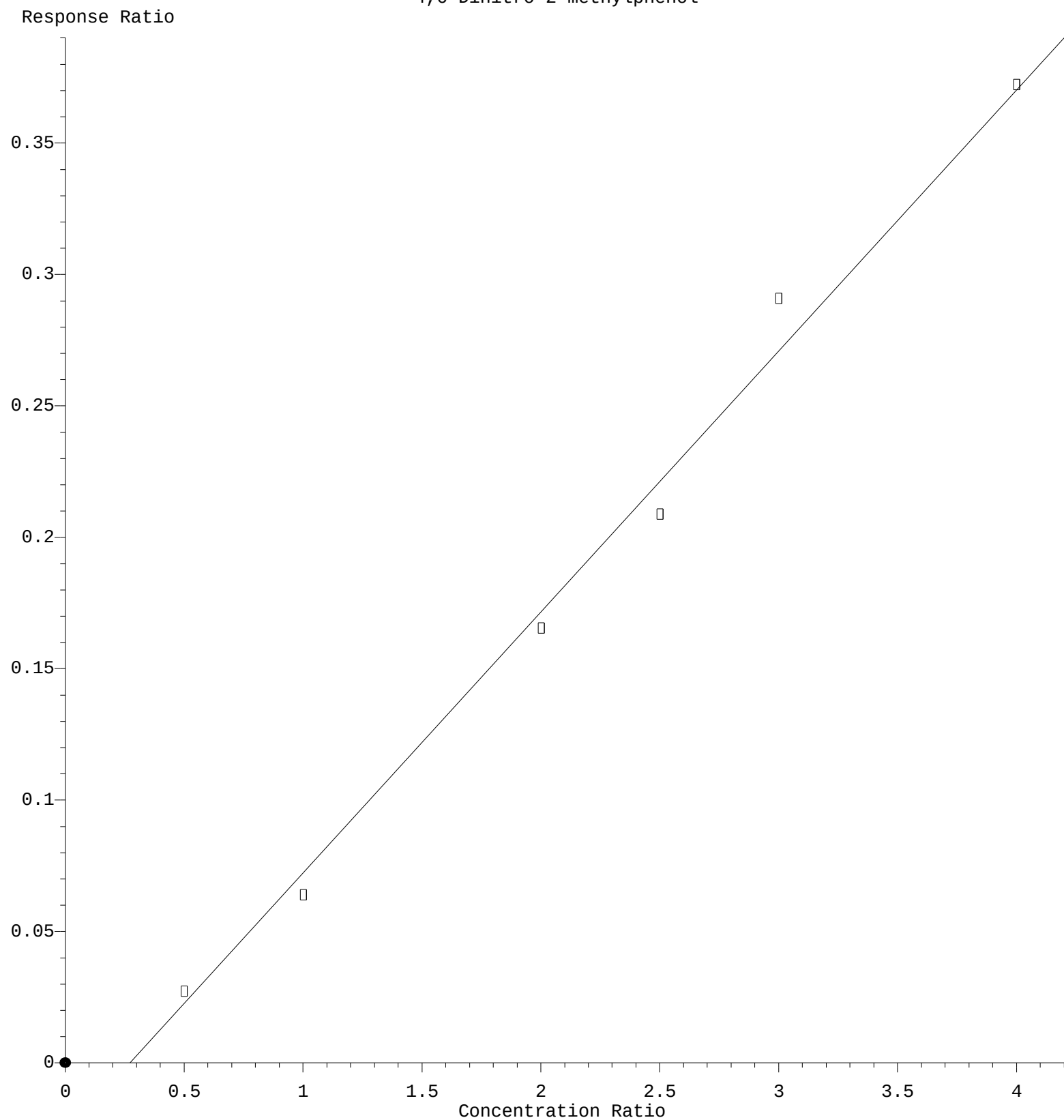
$$\text{Response} = 4.169\text{e-}001 * \text{Amt} - 6.360\text{e-}002$$

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

4,6-Dinitro-2-methylphenol



Response = $9.922 \times 10^{-2} \times \text{Amt} - 2.692 \times 10^{-2}$
 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

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

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

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

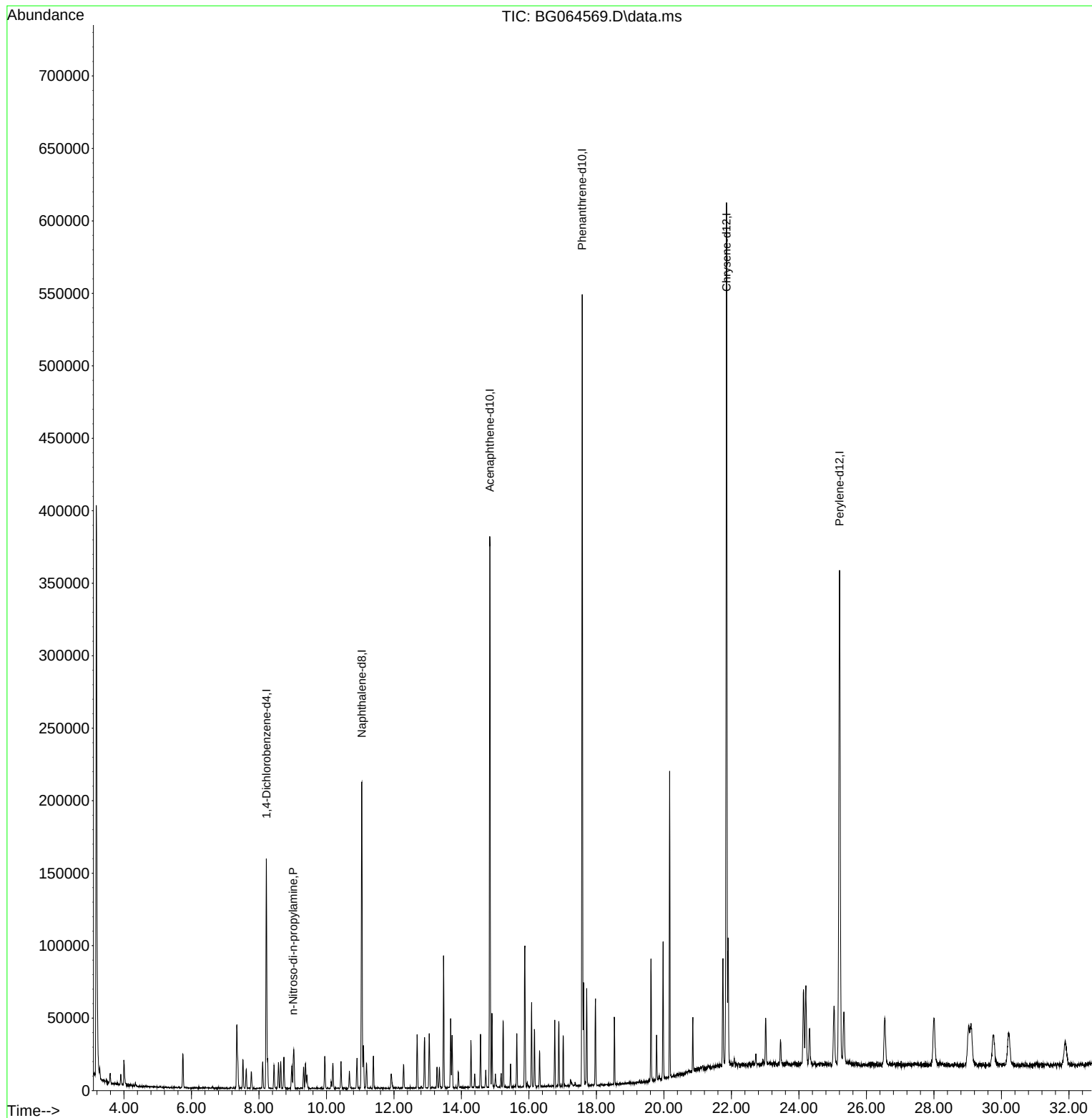
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	43718	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	174680	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	136814	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	341404	20.000	ng	0.00
76) Chrysene-d12	21.854	240	378586	20.000	ng	0.00
86) Perylene-d12	25.203	264	398350	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.016	70	5707	2.310	ng	# 90

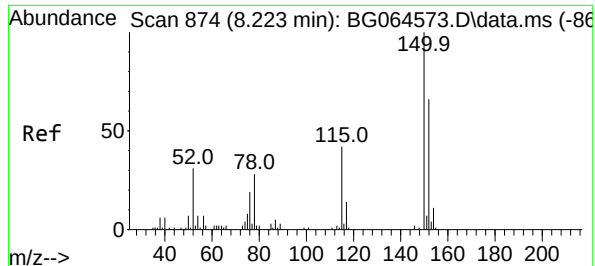
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

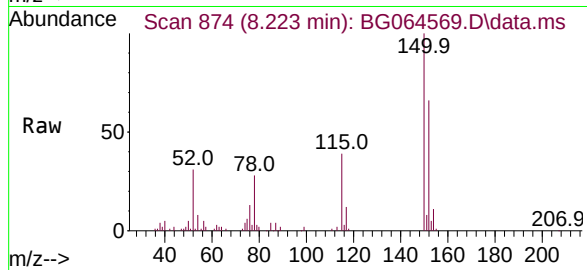
Quant Time: Oct 24 17:10:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



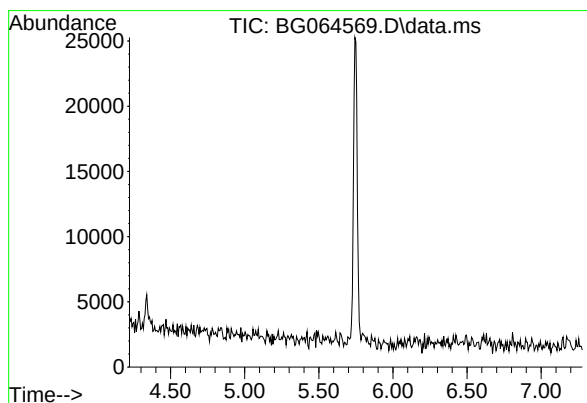
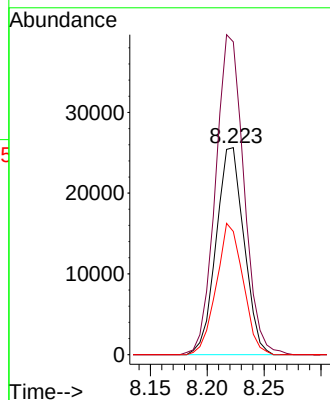
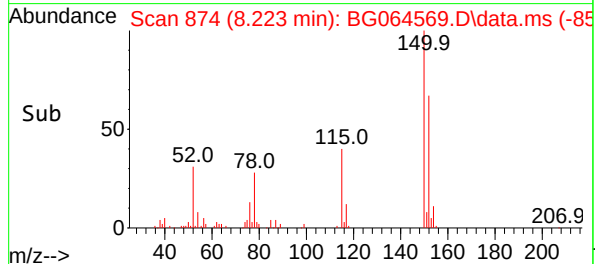


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 81
Delta R.T. 0.002 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5



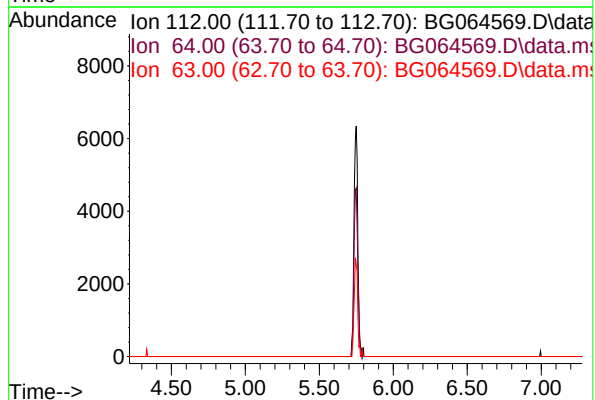
Tgt Ion:152 Resp: 43718
Ion Ratio Lower Upper
152 100
150 151.2 122.2 183.4
115 59.5 50.8 76.2

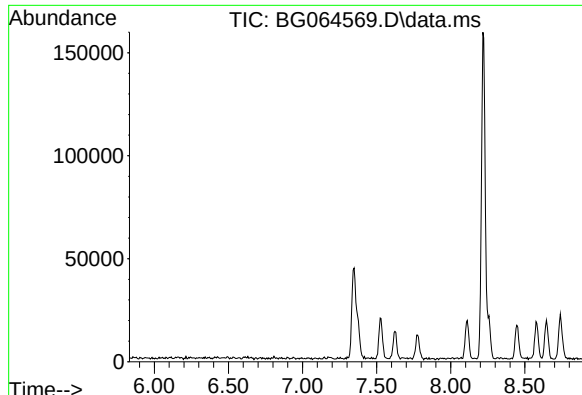


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.75 min

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

Tgt Ion: 112
Sig Exp Ratio
112 100
64 75.9
63 41.7





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 7.36 min

Lab File: BG064569.D

Acq: 24 Oct 2025 9:00

Instrument :

BNA_G

ClientSampleId :

SSTDICC2.5

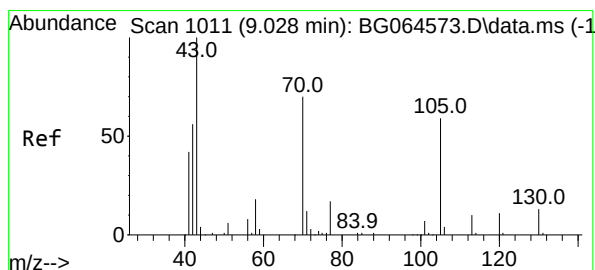
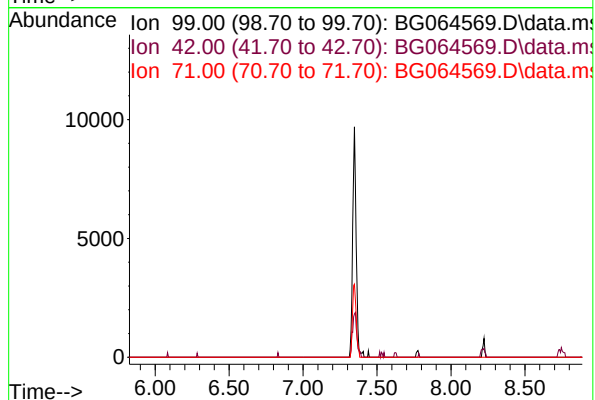
Tgt Ion: 99

Sig Exp Ratio

99 100

42 22.9

71 35.8



#19

n-Nitroso-di-n-propylamine

Concen: 2.310 ng

RT: 9.016 min Scan# 1009

Delta R.T. -0.015 min

Lab File: BG064569.D

Acq: 24 Oct 2025 9:00

Tgt Ion: 70 Resp: 5707

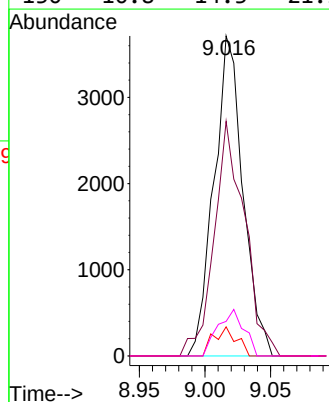
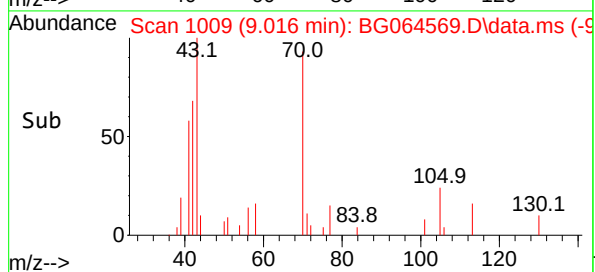
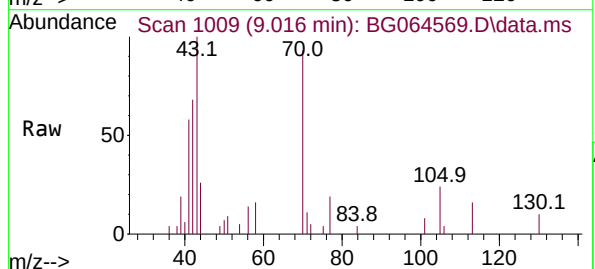
Ion Ratio Lower Upper

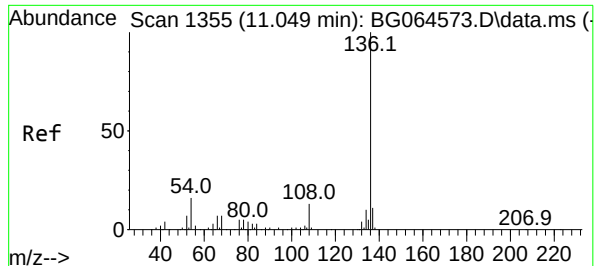
70 100

42 73.3 65.2 97.8

101 9.1 7.9 11.9

130 10.8 14.3 21.5#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.049 min Scan# 1355

Delta R.T. -0.004 min

Lab File: BG064569.D

Acq: 24 Oct 2025 9:00

Instrument :

BNA_G

ClientSampleId :

SSTDICC2.5

Tgt Ion:136 Resp: 174680

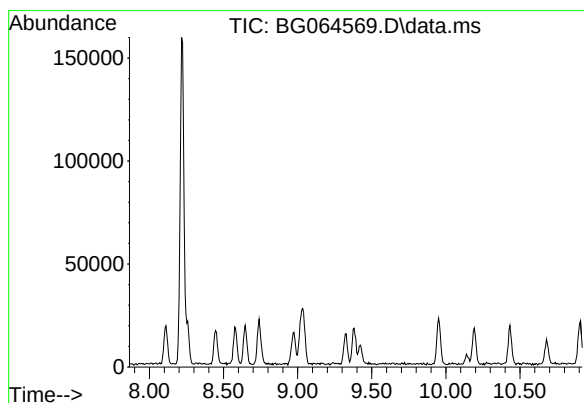
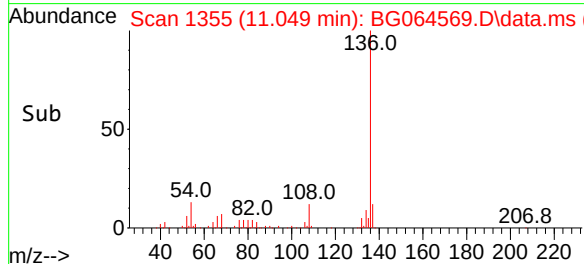
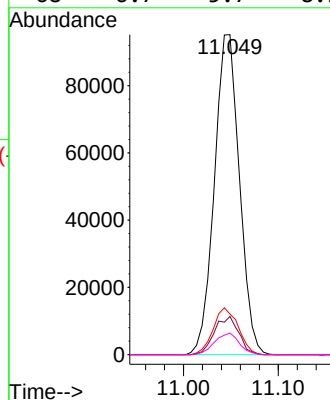
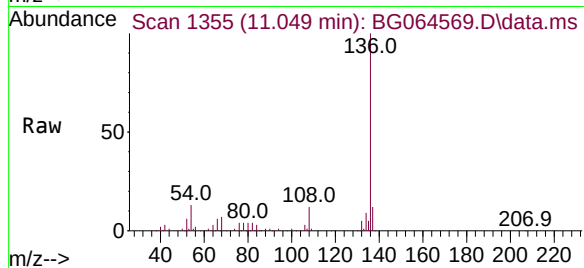
Ion Ratio Lower Upper

136 100

137 11.9 9.2 13.8

54 12.7 12.6 19.0

68 6.7 5.7 8.5



#23

Nitrobenzene-d5

Concen: 0.000 ng

Expected RT: 9.39 min

Lab File: BG064569.D

Acq: 24 Oct 2025 9:00

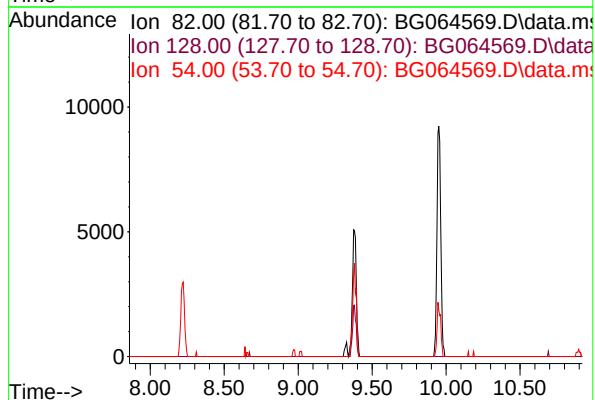
Tgt Ion: 82

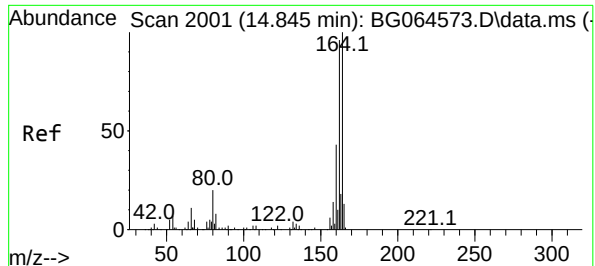
Sig Exp Ratio

82 100

128 39.1

54 70.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.839 min Scan# 20

Delta R.T. -0.004 min

Lab File: BG064569.D

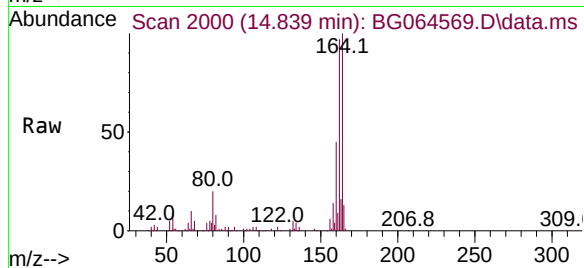
Acq: 24 Oct 2025 9:00

Instrument :

BNA_G

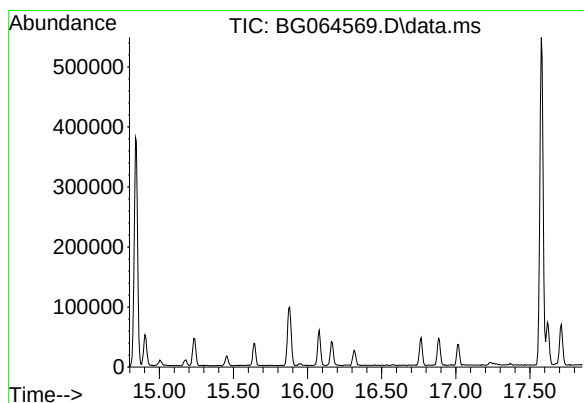
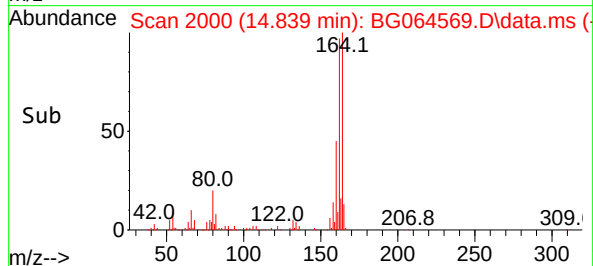
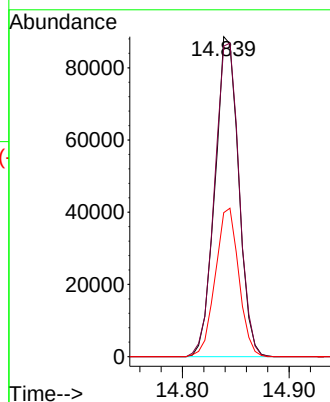
ClientSampleId :

SSTDICC2.5



Tgt Ion:164 Resp: 136814

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



#42

2,4,6-Tribromophenol

Concen: 0.000 ng

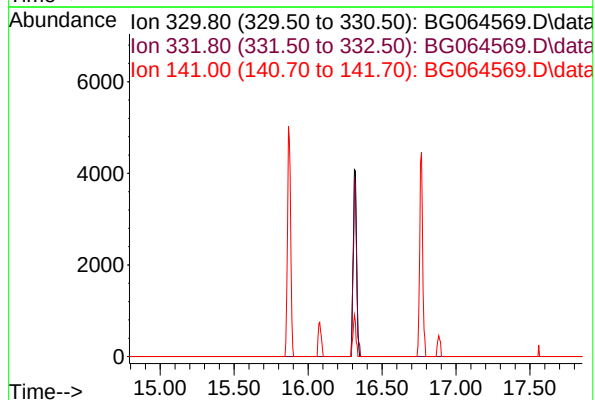
Expected RT: 16.32 min

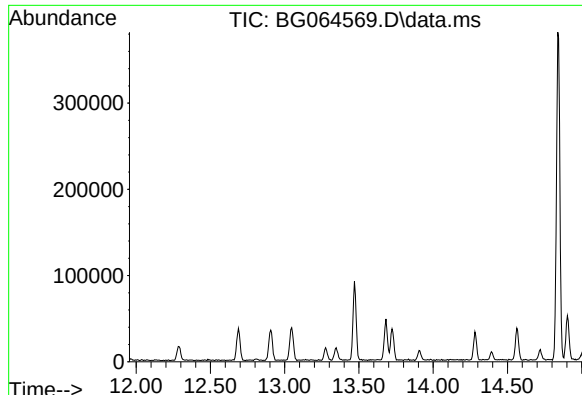
Lab File: BG064569.D

Acq: 24 Oct 2025 9:00

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.5
141	27.2





#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 13.48 min

Lab File: BG064569.D

Acq: 24 Oct 2025 9:00

Instrument :

BNA_G

ClientSampleId :

SSTDICC2.5

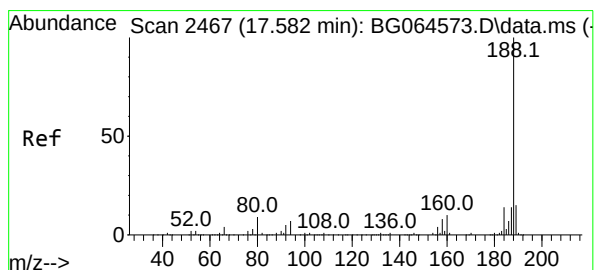
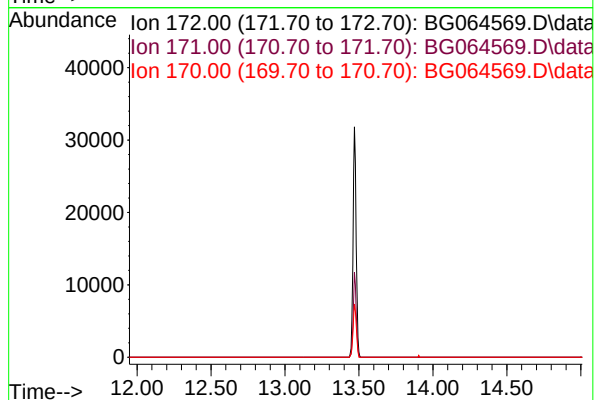
Tgt Ion: 172

Sig Exp Ratio

172 100

171 36.7

170 23.9



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.577 min Scan# 2466

Delta R.T. -0.003 min

Lab File: BG064569.D

Acq: 24 Oct 2025 9:00

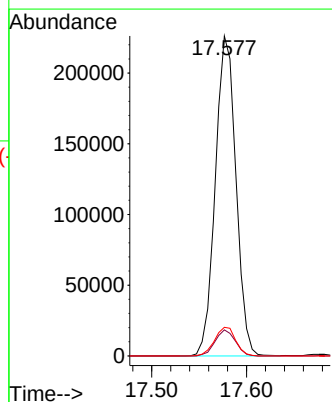
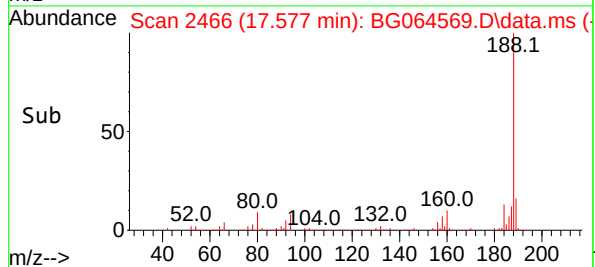
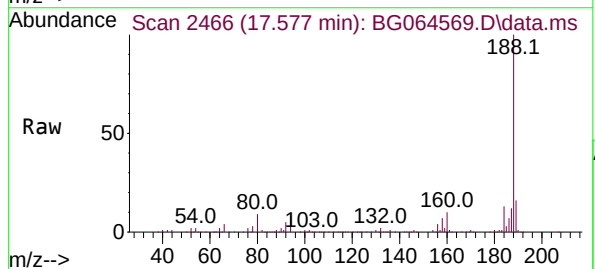
Tgt Ion:188 Resp: 341404

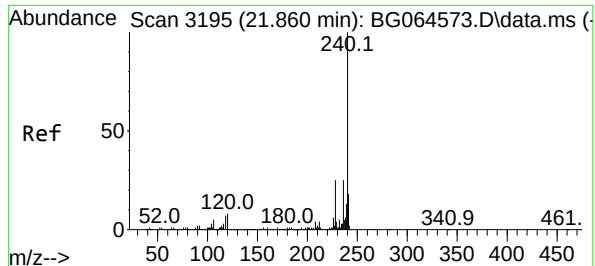
Ion Ratio Lower Upper

188 100

94 8.1 5.7 8.5

80 8.9 6.8 10.2

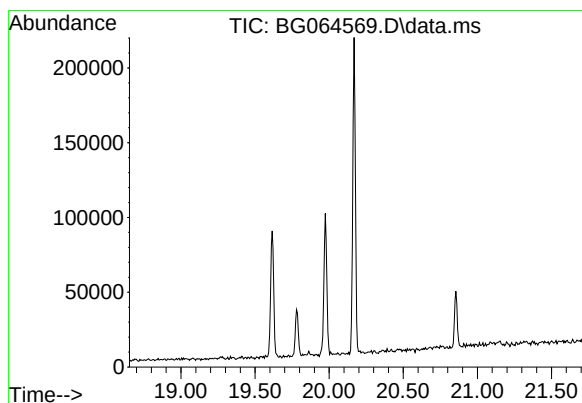
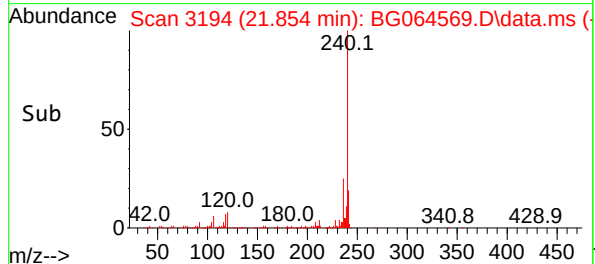
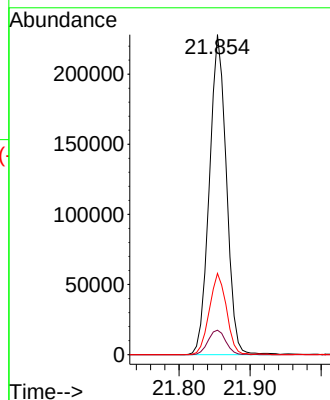
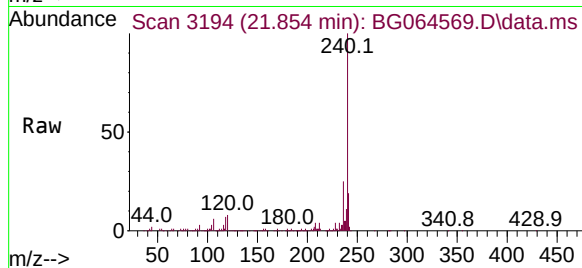




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

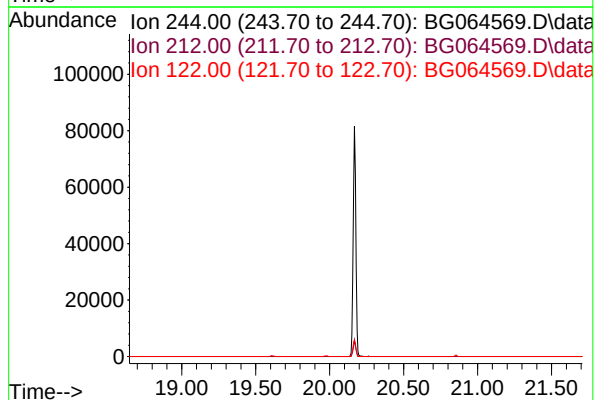
Tgt Ion:240 Resp: 378586
Ion Ratio Lower Upper
240 100
120 7.6 6.5 9.7
236 25.4 20.2 30.2

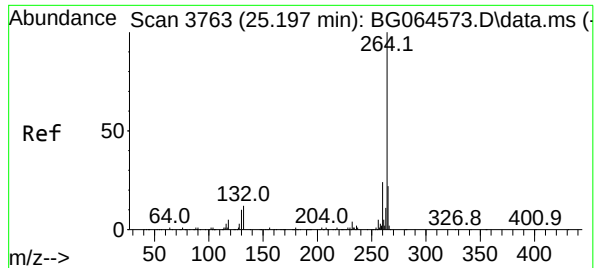


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 20.18 min

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

Tgt Ion: 244
Sig Exp Ratio
244 100
212 7.6
122 7.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.203 min Scan# 31

Delta R.T. 0.002 min

Lab File: BG064569.D

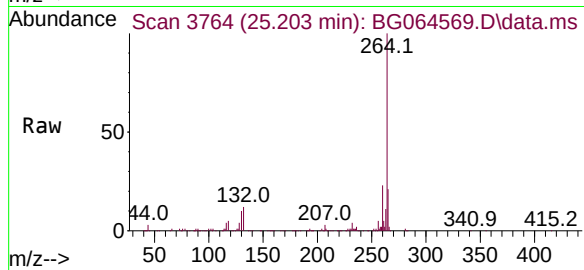
Acq: 24 Oct 2025 9:00

Instrument :

BNA_G

ClientSampleId :

SSTDICC2.5



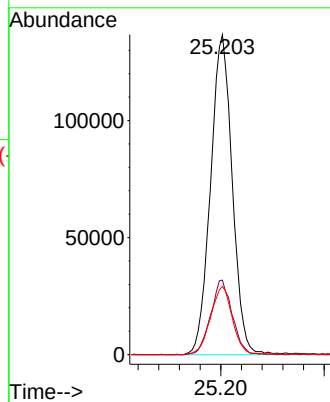
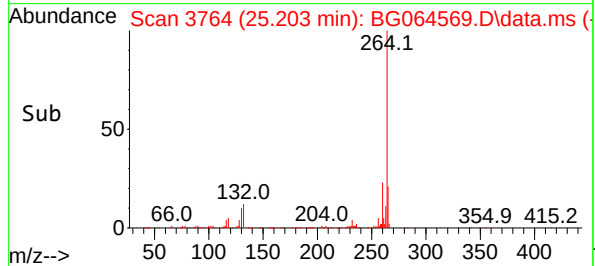
Tgt Ion:264 Resp: 398350

Ion Ratio Lower Upper

264 100

260 23.3 19.0 28.4

265 21.3 17.6 26.4



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 :Jagrut
 Upadhyay

10/27/2025

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.219	152	40837	20.000	ng	0.00
21) Naphthalene-d8	11.045	136	168287	20.000	ng	# 0.00
39) Acenaphthene-d10	14.840	164	131387	20.000	ng	0.00
64) Phenanthrene-d10	17.578	188	331372	20.000	ng	0.00
76) Chrysene-d12	21.856	240	381389	20.000	ng	0.00
86) Perylene-d12	25.199	264	401350	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.745	112	22421	9.216	ng	0.00
7) Phenol-d6	7.349	99	30003	8.987	ng	0.00
23) Nitrobenzene-d5	9.382	82	20097	7.173	ng	0.00
42) 2,4,6-Tribromophenol	16.315	330	14514	7.654	ng	0.00
45) 2-Fluorobiphenyl	13.471	172	86089	9.932	ng	0.00
79) Terphenyl-d14	20.169	244	204719	10.130	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.589	88	5823	5.406	ng	95
3) Pyridine	4.000	79	16637	5.143	ng	89
6) Aniline	7.525	93	22494	4.952	ng	98
8) 2-Chlorophenol	7.778	128	10732	4.214	ng	96
10) Phenol	7.373	94	16995	4.603	ng	96
11) bis(2-Chloroethyl)ether	7.525	93	22494	4.952	ng	96
12) 1,3-Dichlorobenzene	8.113	146	14650	4.998	ng	93
13) 1,4-Dichlorobenzene	8.260	146	14611m	4.903	ng	
14) 1,2-Dichlorobenzene	8.583	146	13994	4.868	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.736	45	34925	4.905	ng	97
17) 2-Methylphenol	8.442	107	5591	4.063	ng	92
18) Hexachloroethane	9.329	117	4773	4.564	ng	97
19) n-Nitroso-di-n-propyla...	9.024	70	10596	4.592	ng	92
22) Acetophenone	9.035	105	22505	4.892	ng	# 92
24) Nitrobenzene	9.423	77	11526	3.782	ng	# 95
25) Isophorone	9.946	82	31609	4.701	ng	# 93
26) 2-Nitrophenol	10.140	139	3186	5.664	ng	99
27) 2,4-Dimethylphenol	10.193	122	9925	3.891	ng	92
28) bis(2-Chloroethoxy)met...	10.434	93	18999	4.963	ng	95
29) 2,4-Dichlorophenol	10.680	162	10223	3.798	ng	89
30) 1,2,4-Trichlorobenzene	10.904	180	14238	4.656	ng	97
31) Naphthalene	11.098	128	45559	4.883	ng	98
33) 4-Chloroaniline	11.186	127	16429	4.530	ng	93
34) Hexachlorobutadiene	11.391	225	11212	4.688	ng	95
36) 4-Chloro-3-methylphenol	12.290	107	13604	4.205	ng	94
37) 2-Methylnaphthalene	12.690	142	32129	4.690	ng	97
38) 1-Methylnaphthalene	12.901	142	33515m	4.972	ng	
40) 1,2,4,5-Tetrachloroben...	13.048	216	21576	4.893	ng	99
43) 2,4,6-Trichlorophenol	13.277	196	9650	3.826	ng	93
44) 2,4,5-Trichlorophenol	13.342	196	11151	3.831	ng	# 91
46) 1,1'-Biphenyl	13.683	154	47840	5.122	ng	95
47) 2-Chloronaphthalene	13.724	162	34977	4.961	ng	96
48) 2-Nitroaniline	13.906	65	6601	5.826	ng	87
49) Acenaphthylene	14.564	152	54748	4.923	ng	98
50) Dimethylphthalate	14.282	163	45639	4.540	ng	98
51) 2,6-Dinitrotoluene	14.394	165	4161	5.535	ng	# 91

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 :Jagrut
 Upadhyay

10/27/2025

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

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

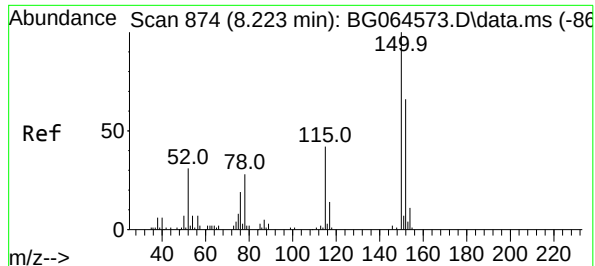
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Reviewed By :Rahul Chayli

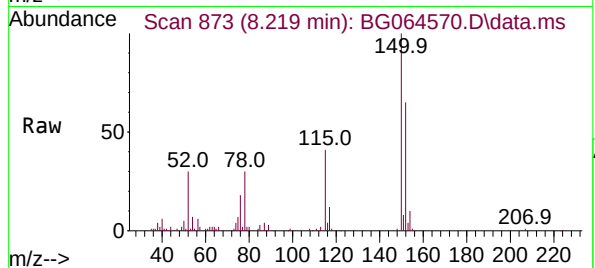
10/27/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



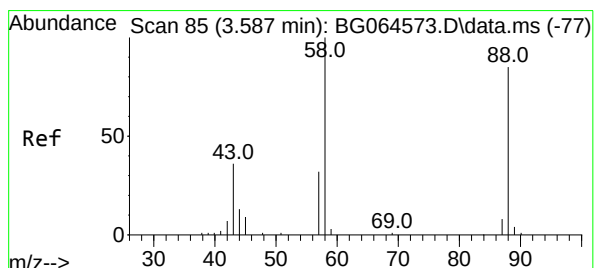
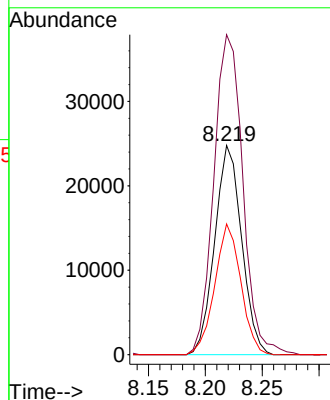
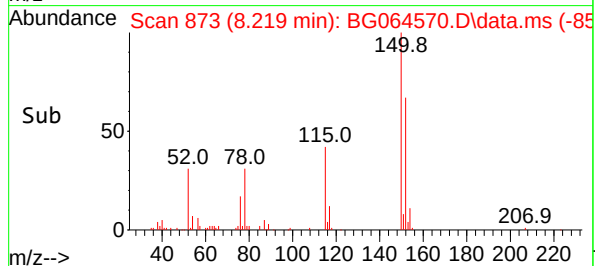
Tgt Ion:152 Resp: 4083
Ion Ratio Lower Upper
152 100
150 153.0 122.2 183.4
115 62.5 50.8 76.2

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Reviewed By :Rahul
Chavli

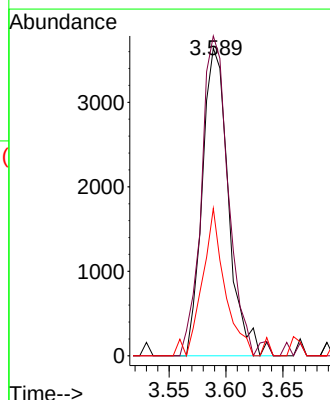
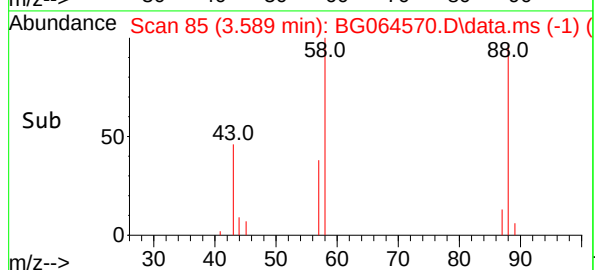
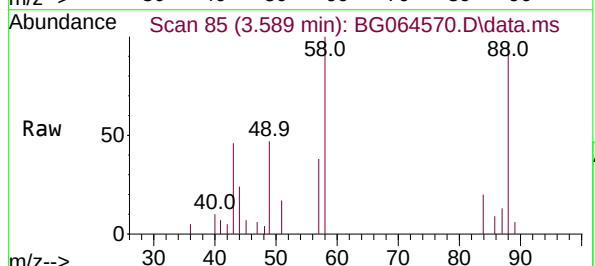
10/27/2025
Supervised By :Jagrut
Upadhyay

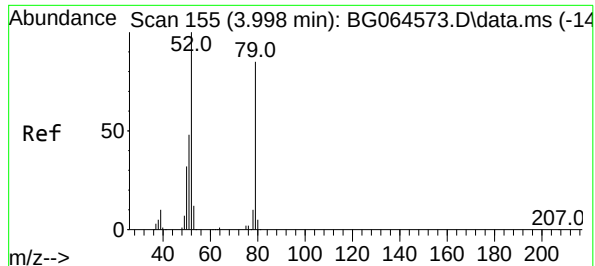
10/27/2025



#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

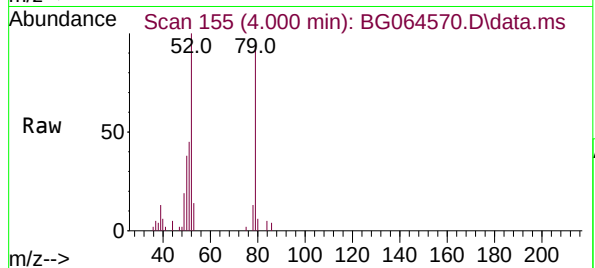
Tgt Ion: 88 Resp: 5823
Ion Ratio Lower Upper
88 100
58 108.0 92.4 138.6
43 41.6 33.0 49.6





#3
Pyridine
Concen: 5.143 ng
RT: 4.000 min Scan# 11
Delta R.T. 0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



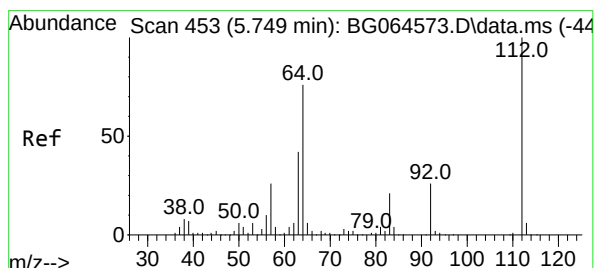
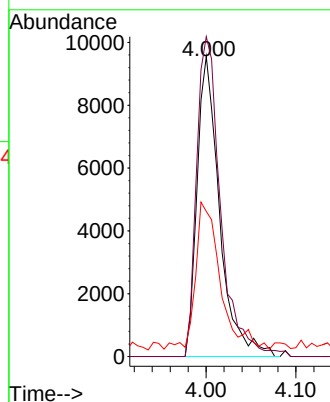
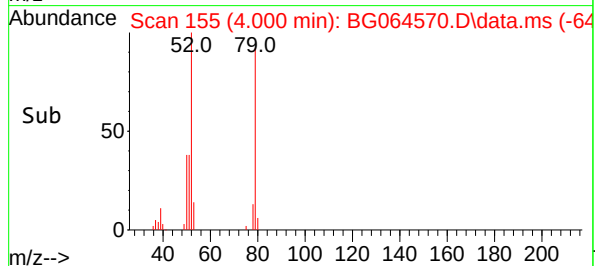
Tgt Ion: 79 Resp: 1663
Ion Ratio Lower Upper
79 100
52 106.6 94.2 141.2
51 48.4 46.1 69.1

Manual Integrations
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Reviewed By :Rahul
Chavli

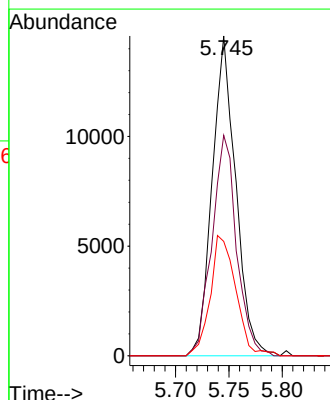
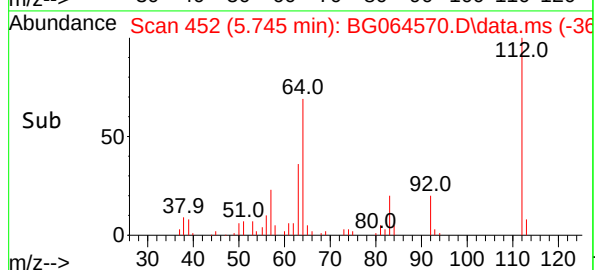
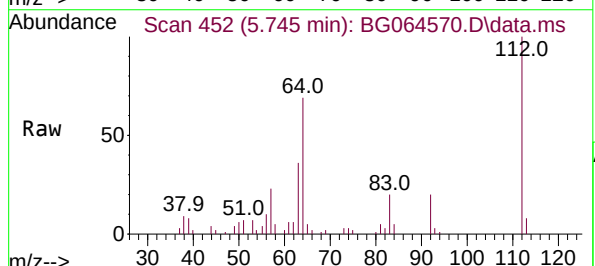
10/27/2025
Supervised By :Jagrut
Upadhyay

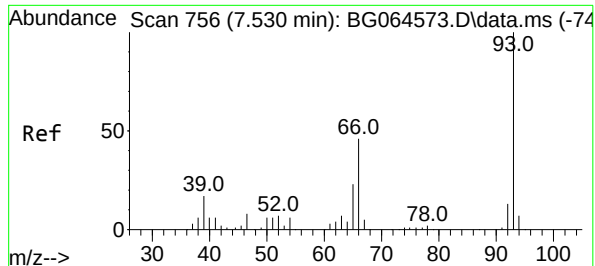
10/27/2025



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

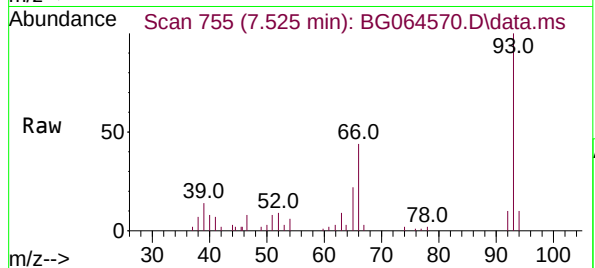
Tgt Ion:112 Resp: 22421
Ion Ratio Lower Upper
112 100
64 68.9 60.7 91.1
63 35.8 33.4 50.0





#6
Aniline
Concen: 4.952 ng
RT: 7.525 min Scan# 71
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



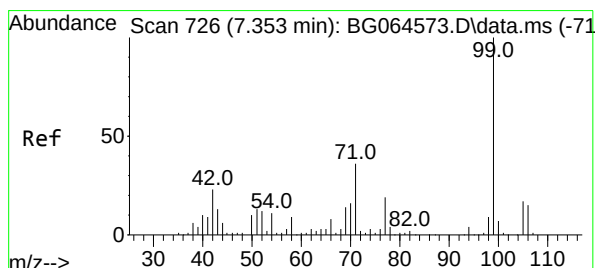
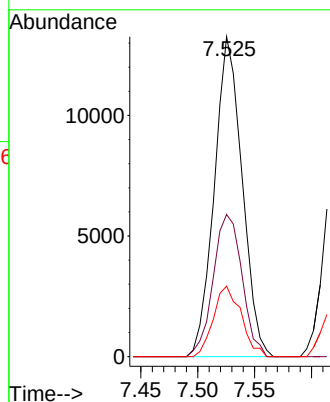
Tgt Ion: 93 Resp: 22494
Ion Ratio Lower Upper
93 100
66 44.4 37.0 55.6
65 22.0 18.3 27.5

Manual Integrations
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Reviewed By :Rahul
Chavli

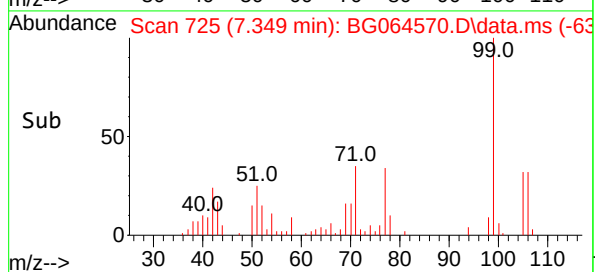
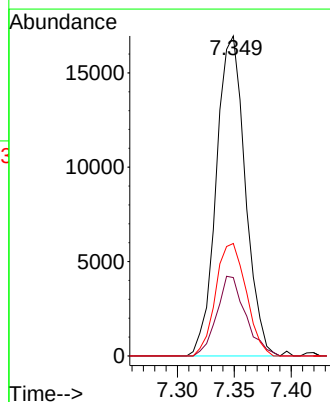
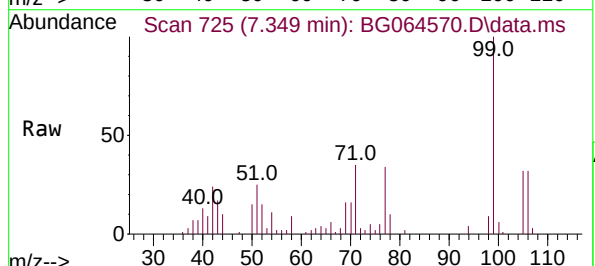
10/27/2025
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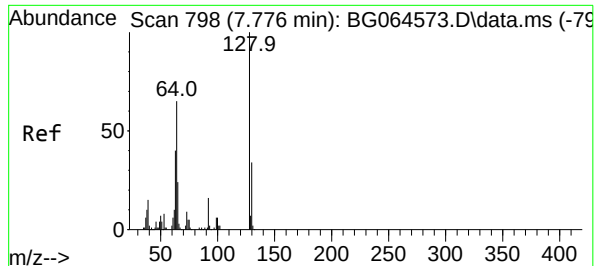
10/27/2025



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

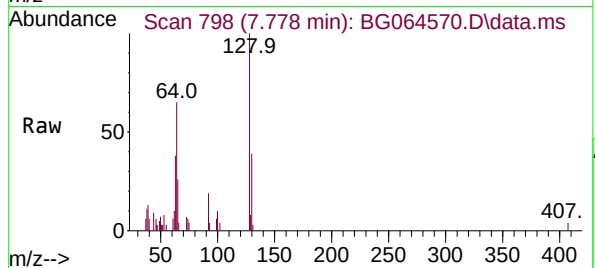
Tgt Ion: 99 Resp: 30003
Ion Ratio Lower Upper
99 100
42 24.5 18.3 27.5
71 35.1 28.6 43.0





#8
2-Chlorophenol
Concen: 4.214 ng
RT: 7.778 min Scan# 798
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



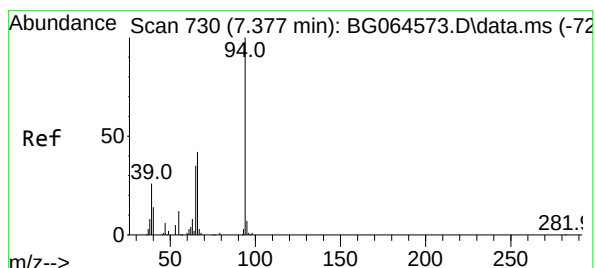
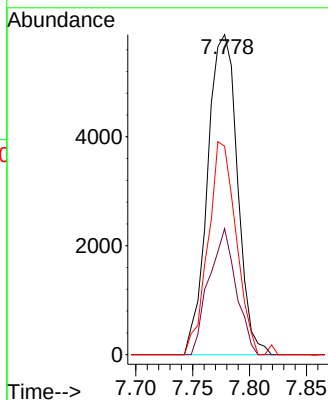
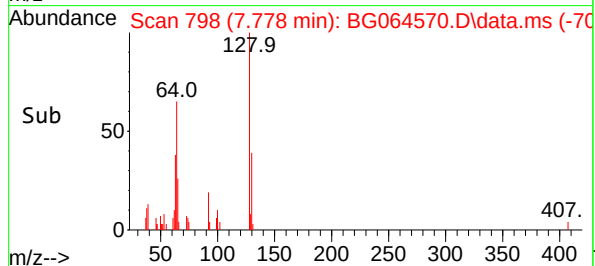
Tgt Ion: 128 Resp: 10732
Ion Ratio Lower Upper
128 100
130 39.4 13.5 53.5
64 65.2 45.2 85.2

Manual Integrations
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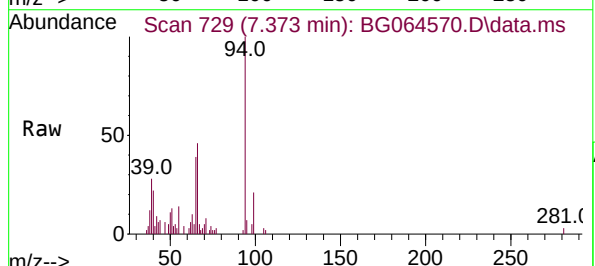
Reviewed By :Rahul
Chavli

10/27/2025
Supervised By :Jagrut
Upadhyay

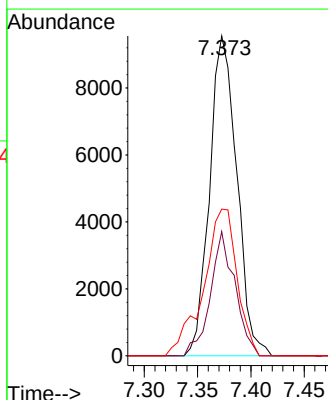
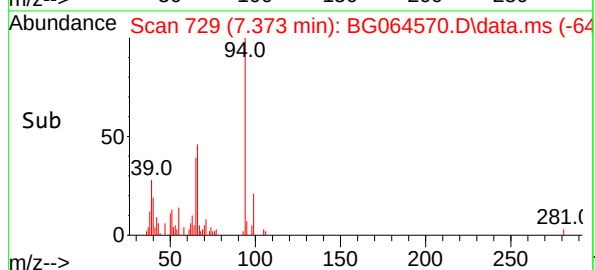
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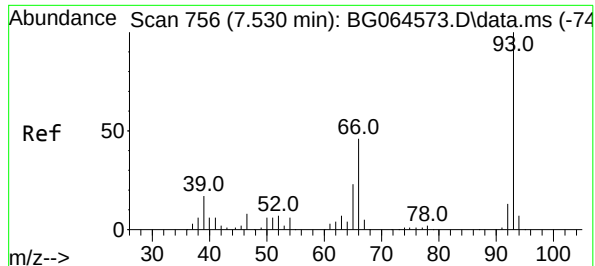


#10
Phenol
Concen: 4.603 ng
RT: 7.373 min Scan# 729
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41



Tgt Ion: 94 Resp: 16995
Ion Ratio Lower Upper
94 100
65 38.8 15.8 55.8
66 45.9 24.0 64.0





#11
bis(2-Chloroethyl)ether
Concen: 4.952 ng
RT: 7.525 min Scan# 755
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

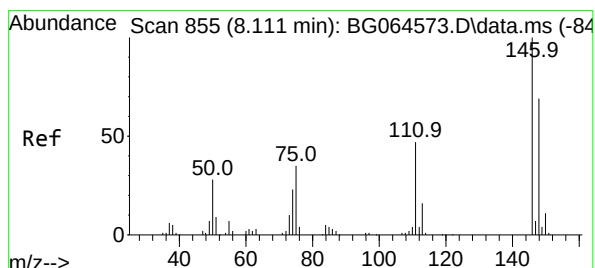
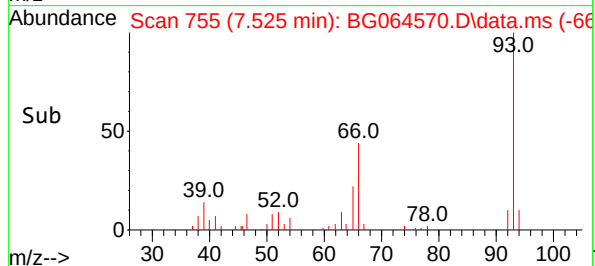
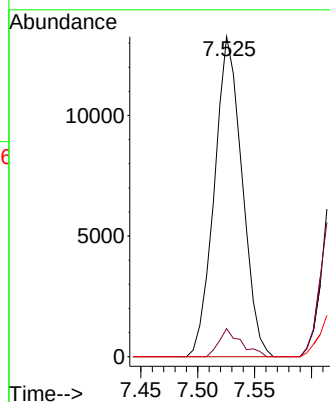
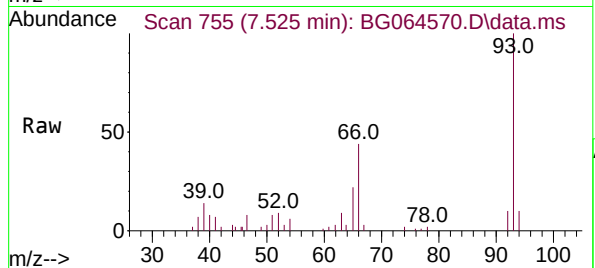
Tgt Ion: 93 Resp: 22494
Ion Ratio Lower Upper
93 100
63 8.7 0.0 27.4
95 0.0 0.0 20.2

Manual Integrations
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Reviewed By :Rahul
Chavli

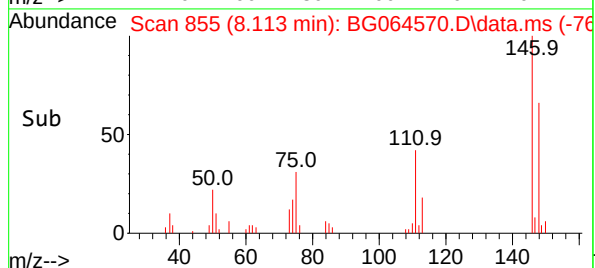
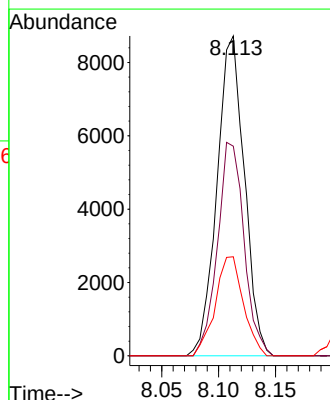
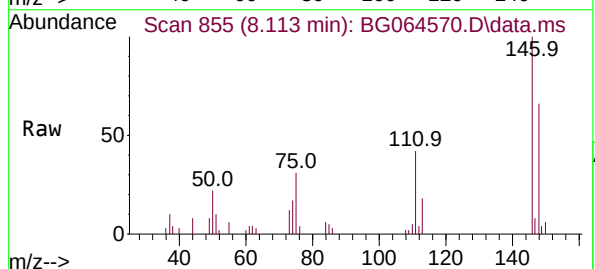
10/27/2025
Supervised By :Jagrut
Upadhyay

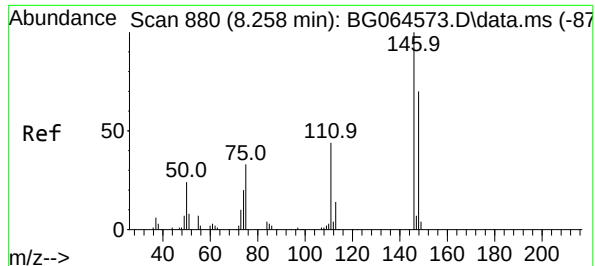
10/27/2025



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

Tgt Ion:146 Resp: 14650
Ion Ratio Lower Upper
146 100
148 64.6 55.3 82.9
75 28.7 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 4.903 ng m

RT: 8.260 min Scan# 880

Delta R.T. 0.004 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

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

Manual Integrations

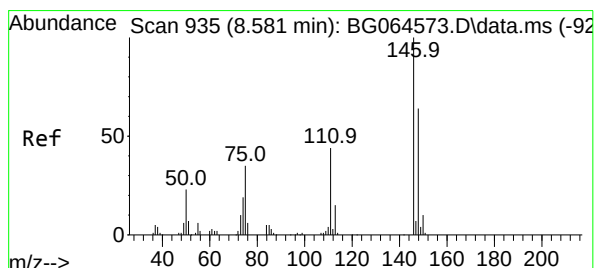
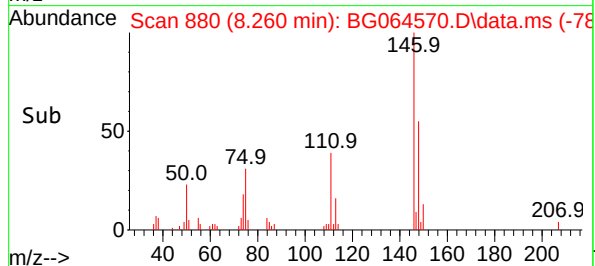
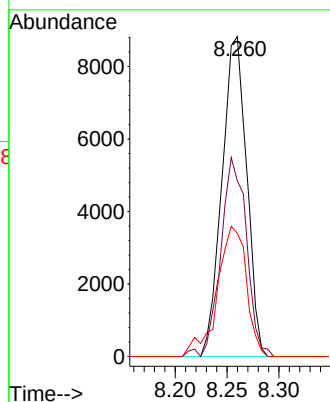
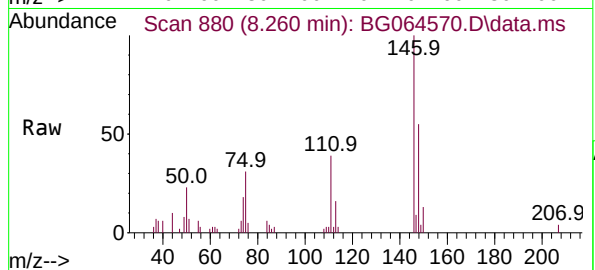
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Reviewed By :Rahul
Chavli

10/27/2025

Supervised By :Jagrut
Upadhyay

10/27/2025



#14

1,2-Dichlorobenzene

Concen: 4.868 ng

RT: 8.583 min Scan# 935

Delta R.T. 0.004 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

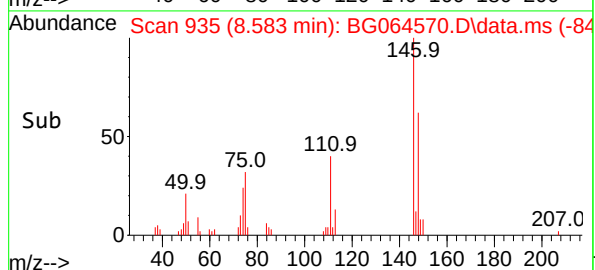
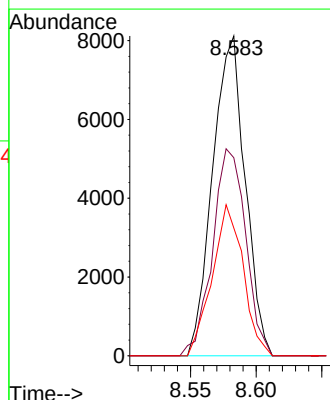
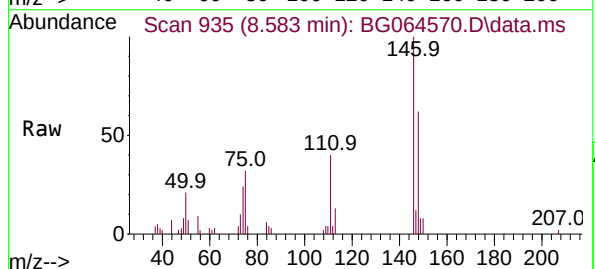
Tgt Ion:146 Resp: 13994

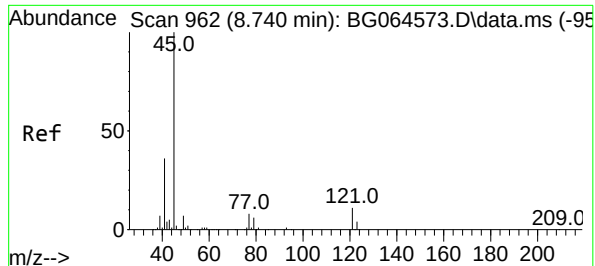
Ion Ratio Lower Upper

146 100

148 61.9 51.5 77.3

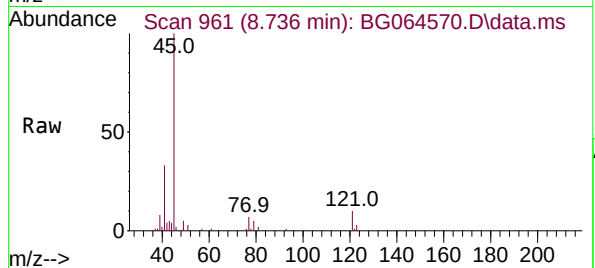
111 40.0 35.0 52.6





#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.905 ng
RT: 8.736 min Scan# 90
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



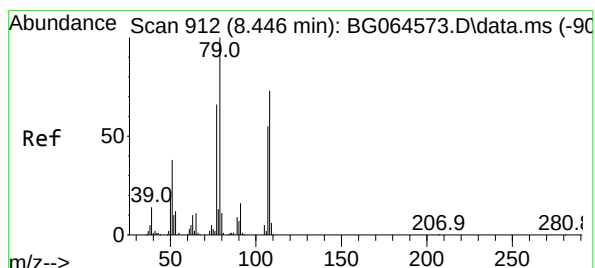
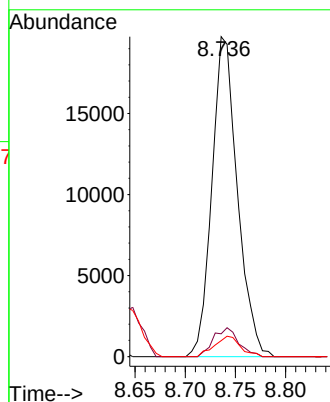
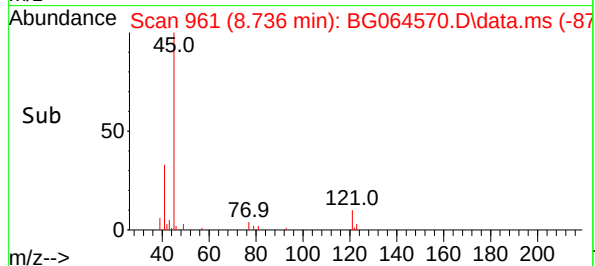
Tgt Ion: 45 Resp: 34925
Ion Ratio Lower Upper
45 100
77 7.1 0.0 28.5
79 5.0 0.0 25.6

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Chavli

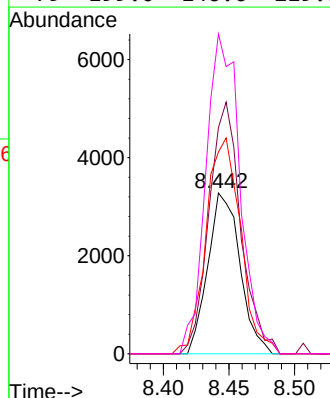
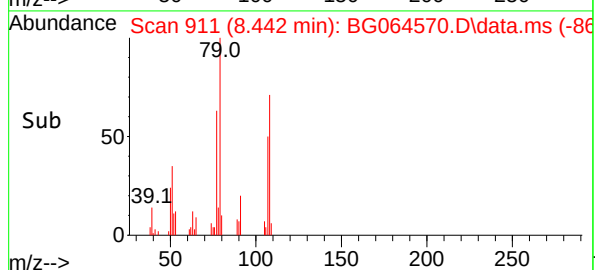
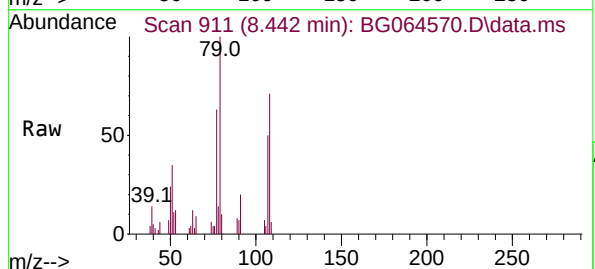
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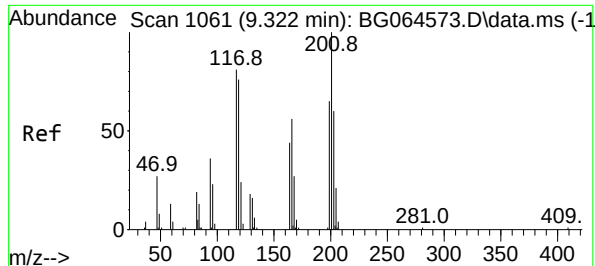
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#17
2-Methylphenol
Concen: 4.063 ng
RT: 8.442 min Scan# 911
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:107 Resp: 5591
Ion Ratio Lower Upper
107 100
108 140.7 106.4 159.6
77 125.5 96.7 145.1
79 199.0 146.6 219.8





#18

Hexachloroethane

Concen: 4.564 ng

RT: 9.329 min Scan# 1061

Delta R.T. 0.004 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

Tgt Ion:117 Resp: 4773

Ion Ratio Lower Upper

117 100

119 88.0 75.4 113.2

201 124.2 99.2 148.8

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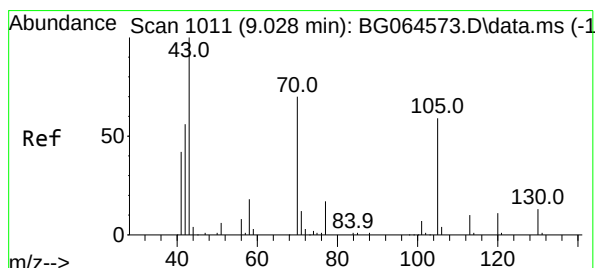
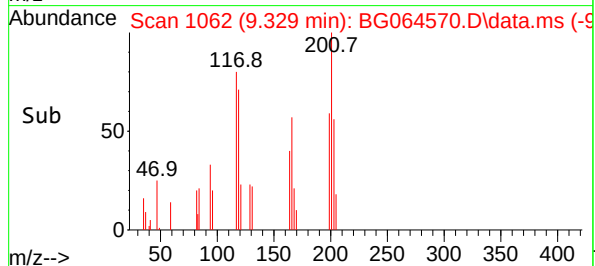
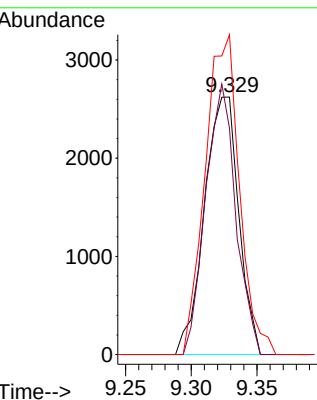
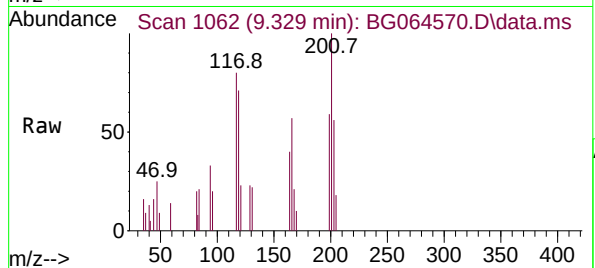
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Reviewed By :Rahul
Chavli

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Supervised By :Jagrut
Upadhyay

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#19

n-Nitroso-di-n-propylamine

Concen: 4.592 ng

RT: 9.024 min Scan# 1010

Delta R.T. -0.008 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Tgt Ion: 70 Resp: 10596

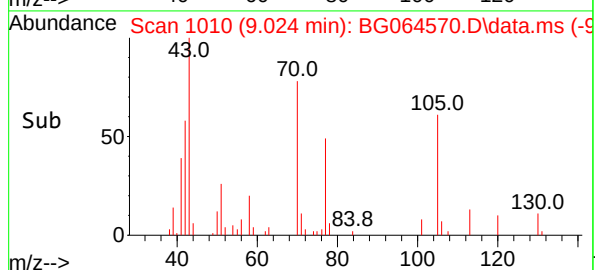
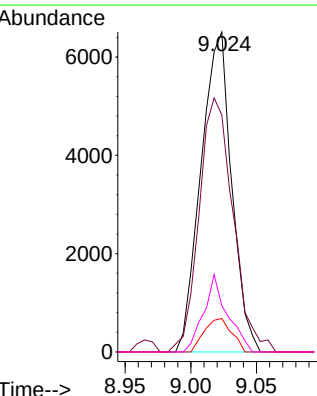
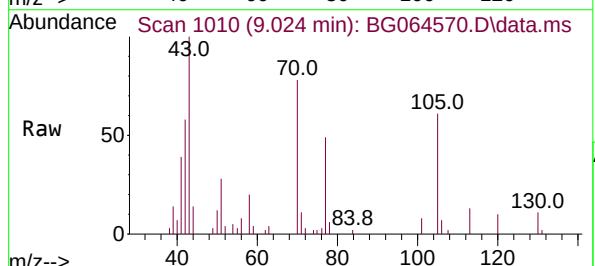
Ion Ratio Lower Upper

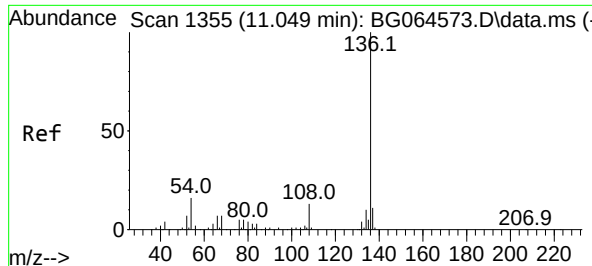
70 100

42 74.1 65.2 97.8

101 10.4 7.9 11.9

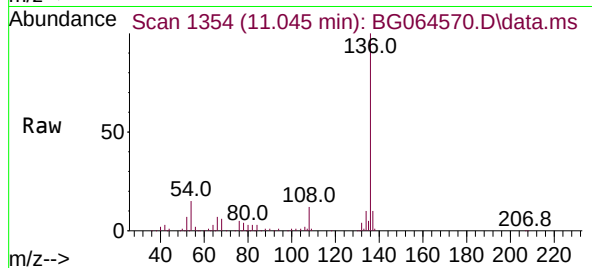
130 14.5 14.3 21.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1355
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



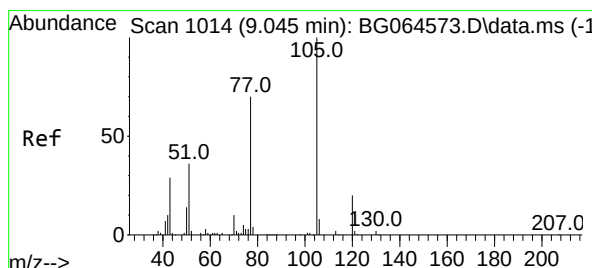
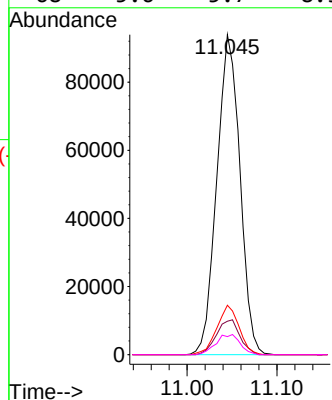
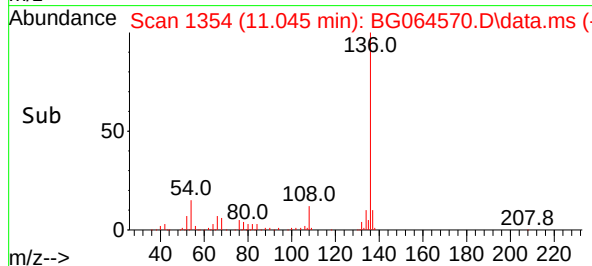
Tgt Ion:136 Resp: 16828
Ion Ratio Lower Upper
136 100
137 10.4 9.2 13.8
54 15.4 12.6 19.0
68 5.6 5.7 8.5#

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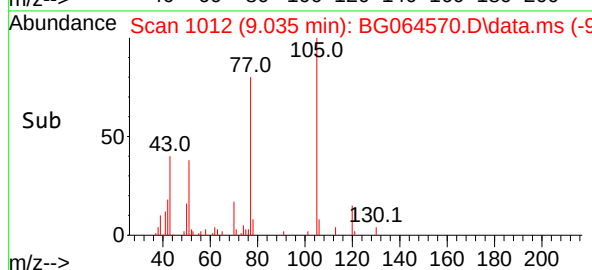
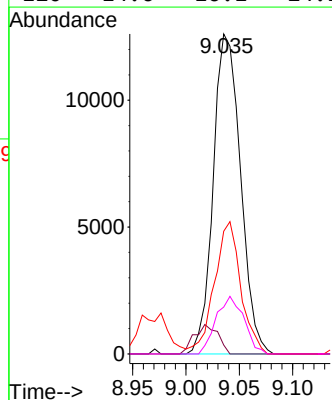
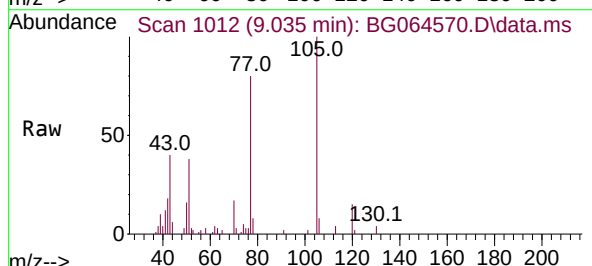
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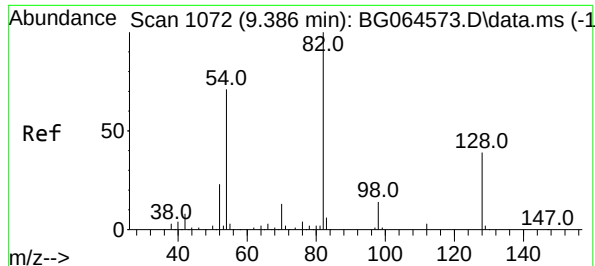
10/27/2025



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

Tgt Ion:105 Resp: 22505
Ion Ratio Lower Upper
105 100
71 2.8 1.5 2.3#
51 38.4 33.7 50.5
120 14.6 16.1 24.1#





#23

Nitrobenzene-d5

Concen: 7.173 ng

RT: 9.382 min Scan# 1072

Delta R.T. -0.008 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

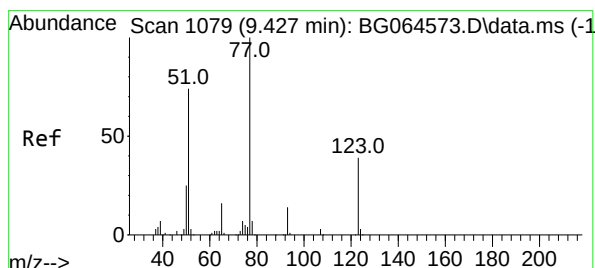
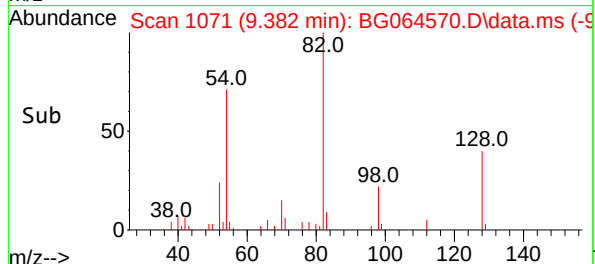
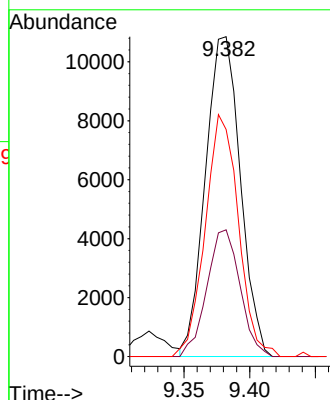
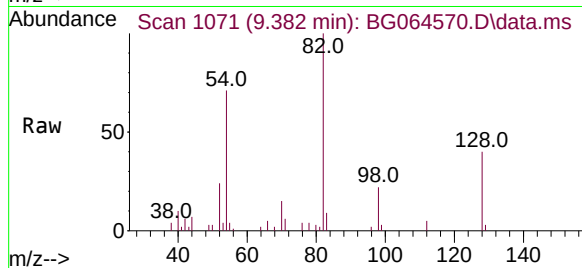
ClientSampleId :

SSTDICC005

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

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#24

Nitrobenzene

Concen: 3.782 ng

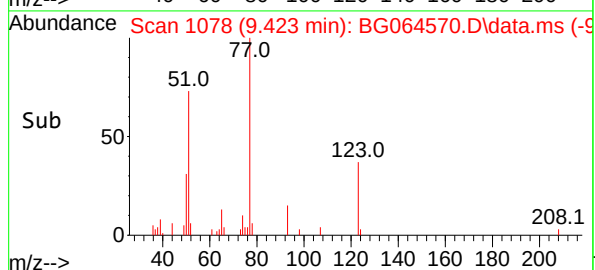
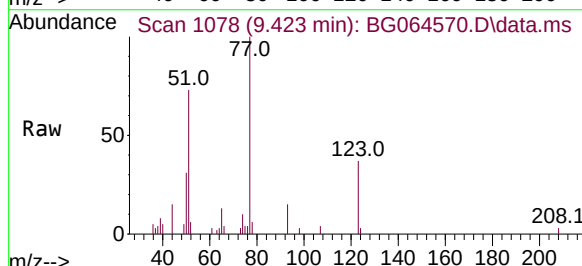
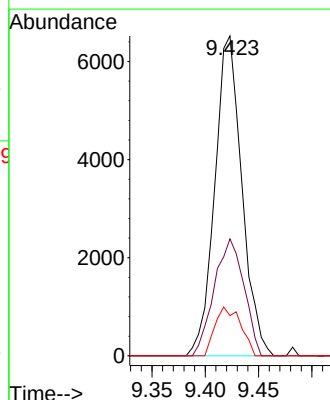
RT: 9.423 min Scan# 1078

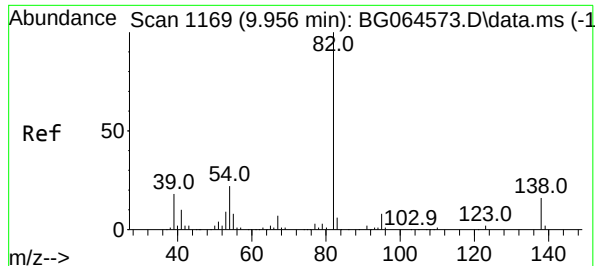
Delta R.T. -0.008 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Tgt Ion: 77	Resp: 11526
Ion Ratio	Lower Upper
77 100	
123 36.6	31.0 46.6
65 12.6	12.7 19.1





#25
Isophorone
Concen: 4.701 ng
RT: 9.946 min Scan# 1169
Delta R.T. -0.020 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

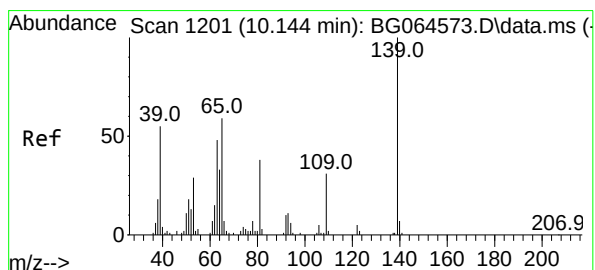
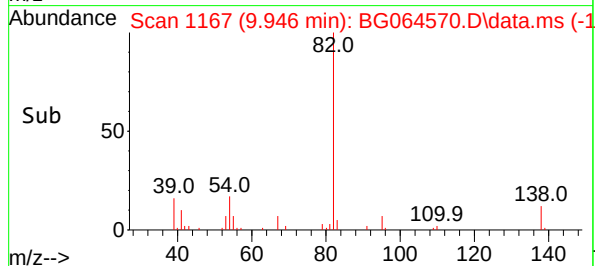
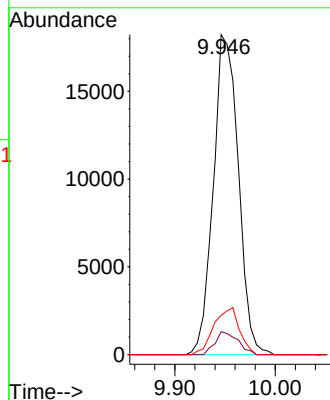
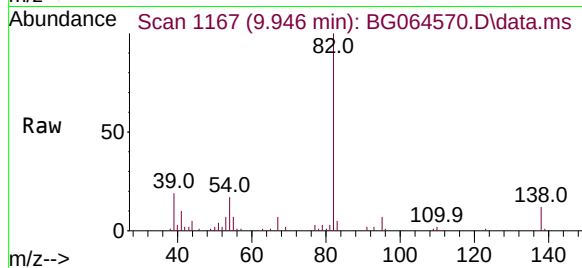
Tgt Ion: 82 Resp: 31609
Ion Ratio Lower Upper
82 100
95 7.2 6.1 9.1
138 12.3 13.0 19.4

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Chavli

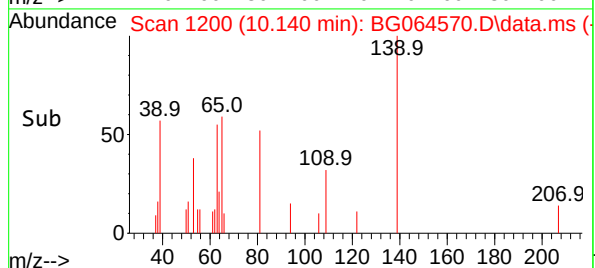
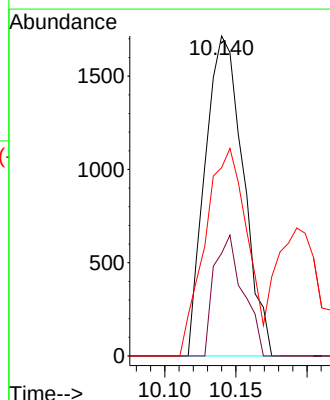
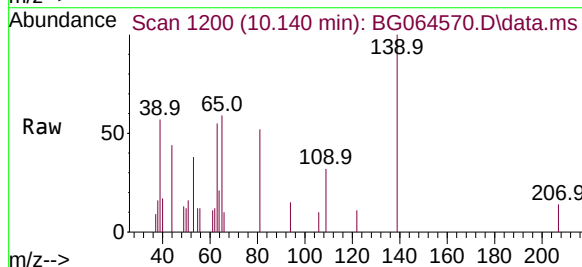
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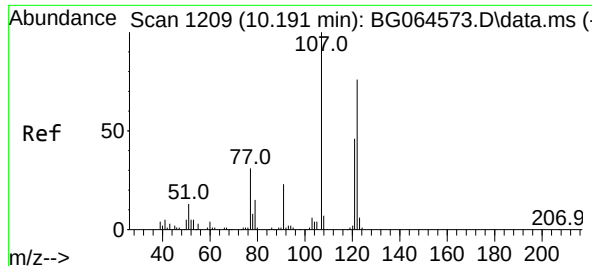
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#26
2-Nitrophenol
Concen: 5.664 ng
RT: 10.140 min Scan# 1200
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:139 Resp: 3186
Ion Ratio Lower Upper
139 100
109 32.1 24.6 37.0
65 58.9 47.5 71.3





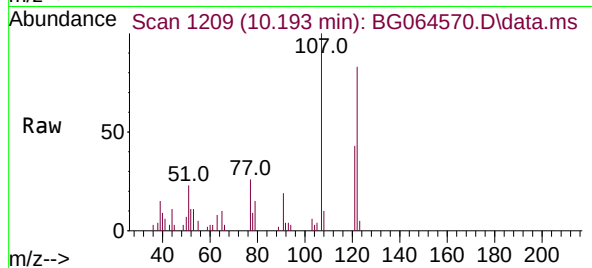
#27
2,4-Dimethylphenol
Concen: 3.891 ng
RT: 10.193 min Scan# 1209
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005



Tgt Ion:122 Resp: 9925
Ion Ratio Lower Upper
122 100
107 121.0 103.0 154.4
121 51.7 47.8 71.8

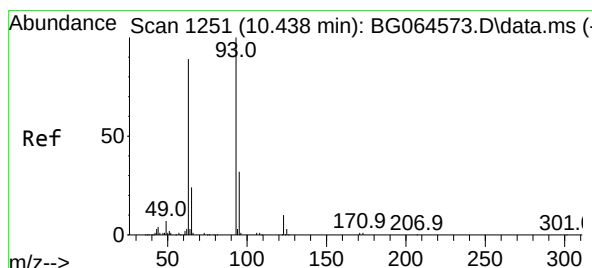
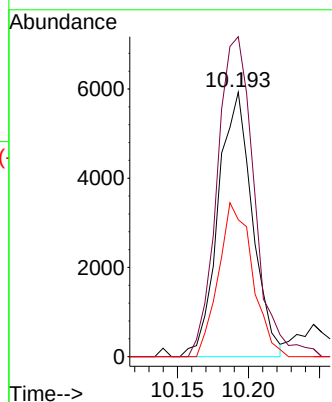
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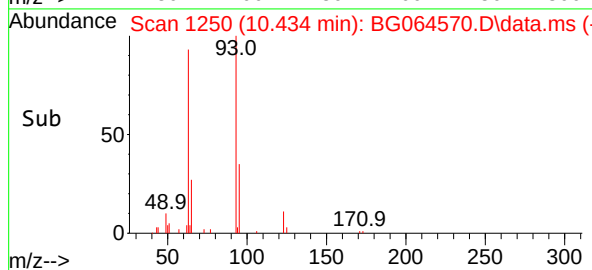
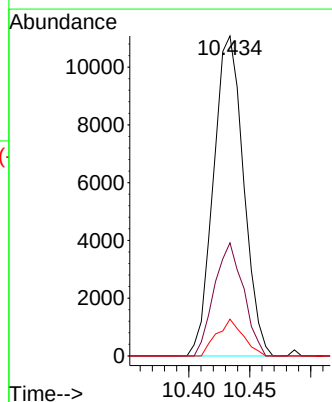
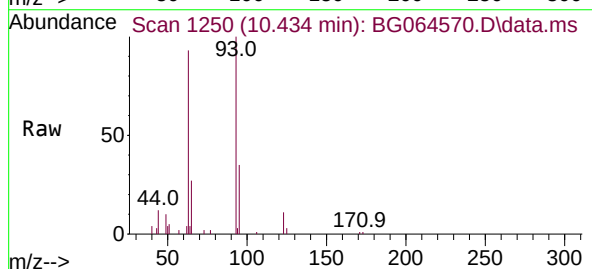
Supervised By :Jagrut
Upadhyay

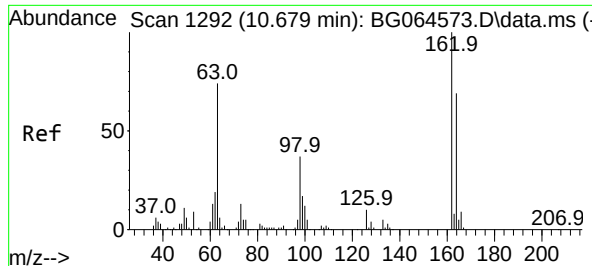
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#28
bis(2-Chloroethoxy)methane
Concen: 4.963 ng
RT: 10.434 min Scan# 1250
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 18999
Ion Ratio Lower Upper
93 100
95 35.3 25.4 38.2
123 11.5 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 3.798 ng

RT: 10.680 min Scan# 1292

Delta R.T. -0.002 min

Lab File: BG064570.D

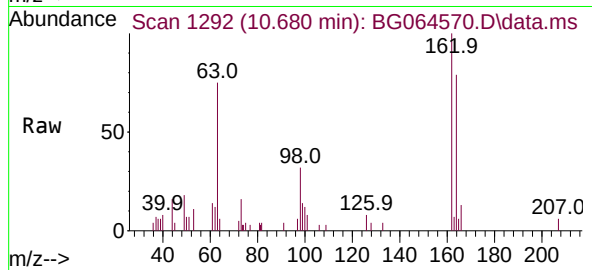
Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005



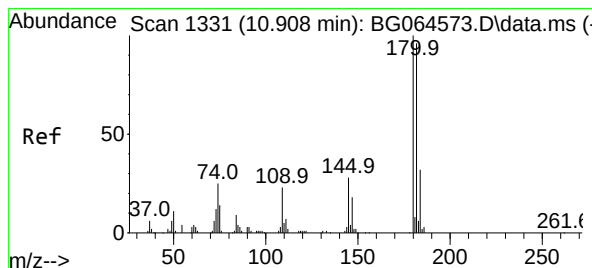
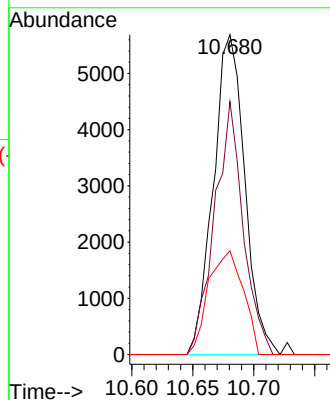
Tgt Ion:	162	Resp:	10223
Ion Ratio	Lower	Upper	
162	100		
164	79.1	48.7	88.7
98	32.4	16.9	56.9

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Upadhyay

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#30

1,2,4-Trichlorobenzene

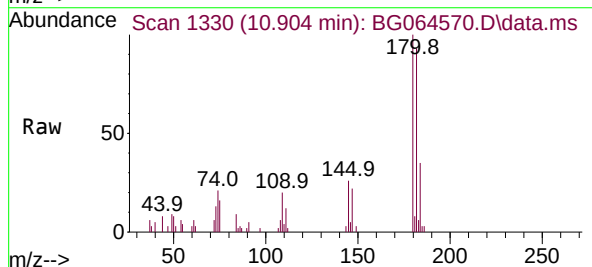
Concen: 4.656 ng

RT: 10.904 min Scan# 1330

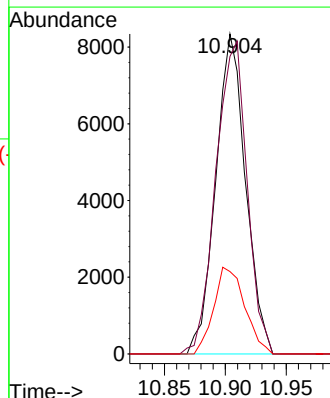
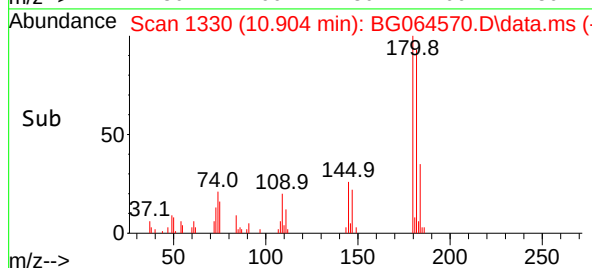
Delta R.T. -0.002 min

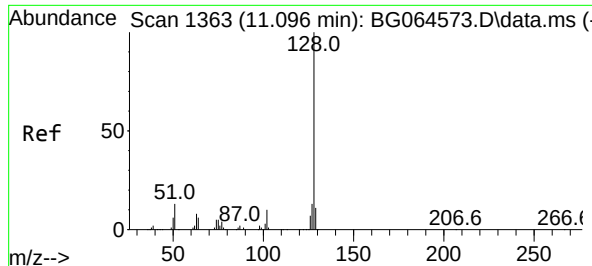
Lab File: BG064570.D

Acq: 24 Oct 2025 9:41



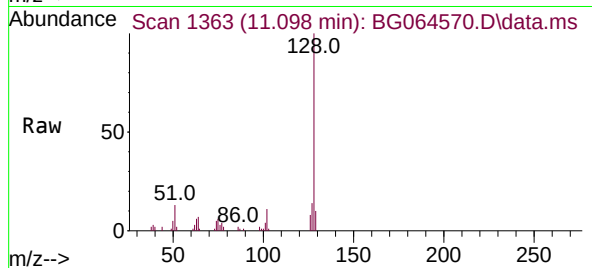
Tgt Ion:	180	Resp:	14238
Ion Ratio	Lower	Upper	
180	100		
182	92.9	76.9	115.3
145	25.7	22.1	33.1





#31
Naphthalene
Concen: 4.883 ng
RT: 11.098 min Scan# 1363
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



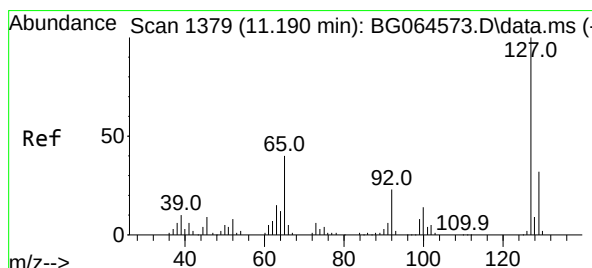
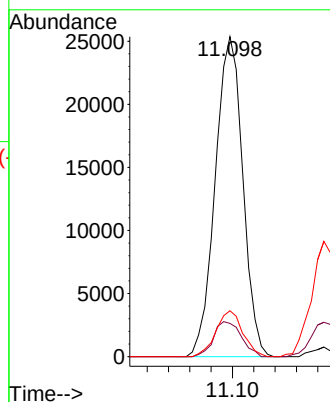
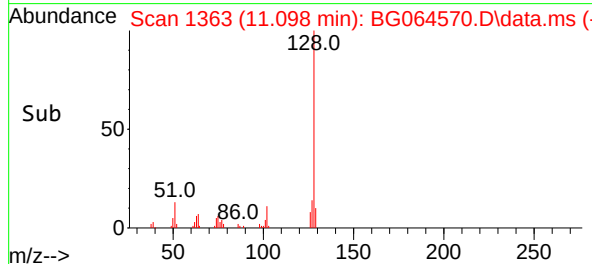
Tgt Ion:128 Resp: 45559
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 14.3 10.6 15.8

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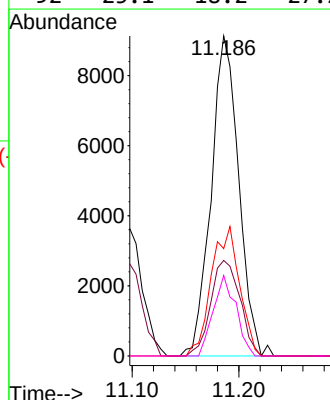
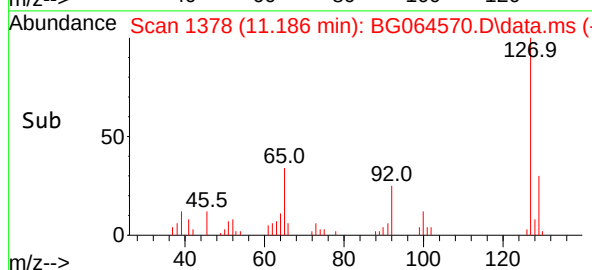
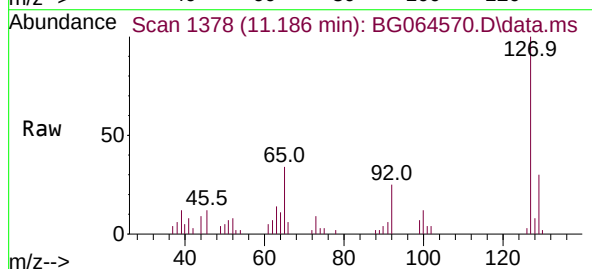
10/27/2025
Supervised By :Jagrut
Upadhyay

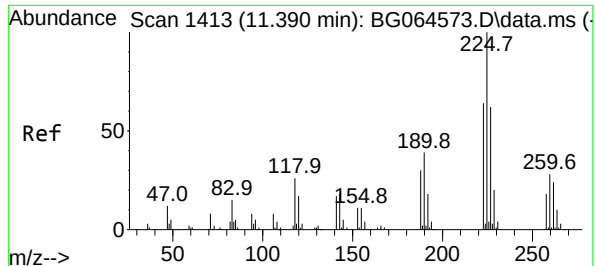
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#33
4-Chloroaniline
Concen: 4.530 ng
RT: 11.186 min Scan# 1378
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

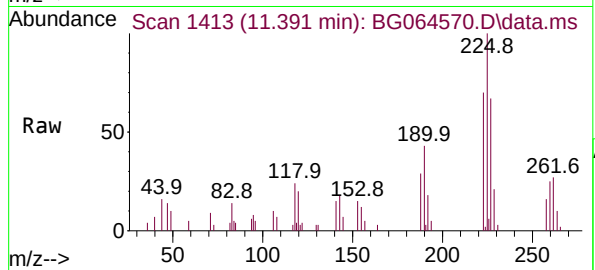
Tgt Ion:127 Resp: 16429
Ion Ratio Lower Upper
127 100
129 29.8 25.5 38.3
65 33.5 32.2 48.4
92 25.1 18.2 27.2





#34
Hexachlorobutadiene
Concen: 4.688 ng
RT: 11.391 min Scan# 1413
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



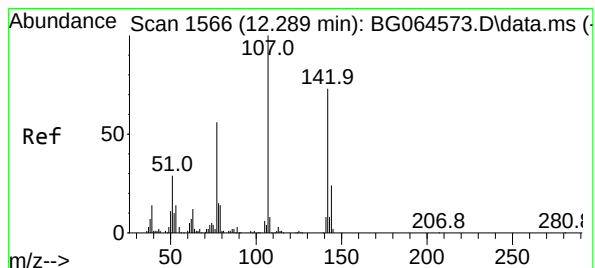
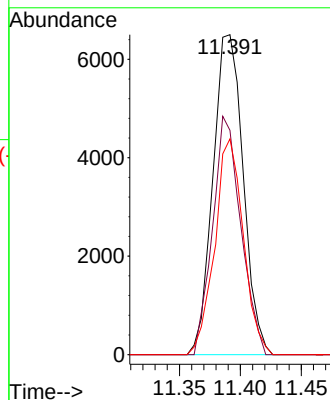
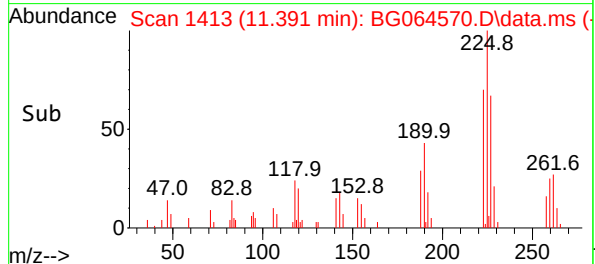
Tgt Ion:225 Resp: 11212
Ion Ratio Lower Upper
225 100
223 66.4 48.8 73.2
227 63.9 49.5 74.3

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Chavli

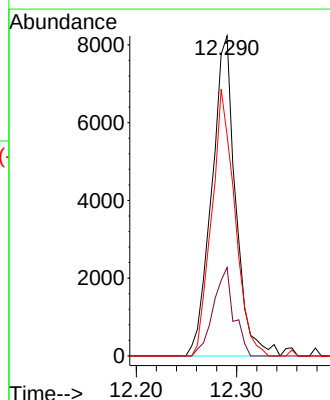
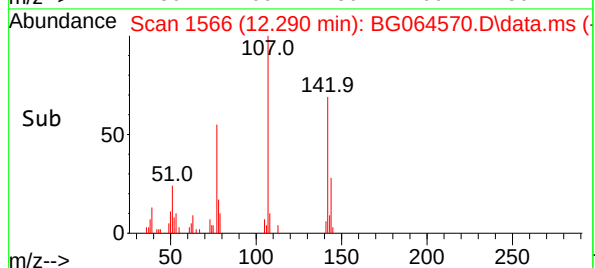
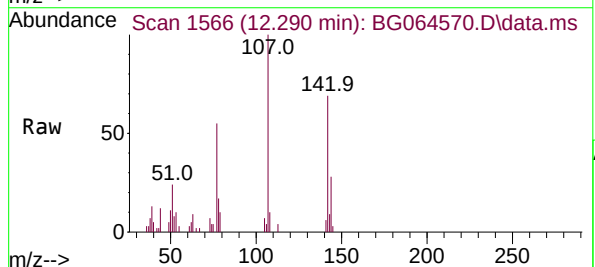
10/27/2025
Supervised By :Jagrut
Upadhyay

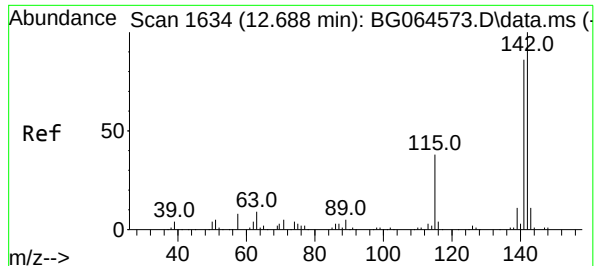
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#36
4-Chloro-3-methylphenol
Concen: 4.205 ng
RT: 12.290 min Scan# 1566
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:107 Resp: 13604
Ion Ratio Lower Upper
107 100
144 27.6 19.1 28.7
142 68.9 58.6 87.8





#37
2-Methylnaphthalene
Concen: 4.690 ng
RT: 12.690 min Scan# 1634
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

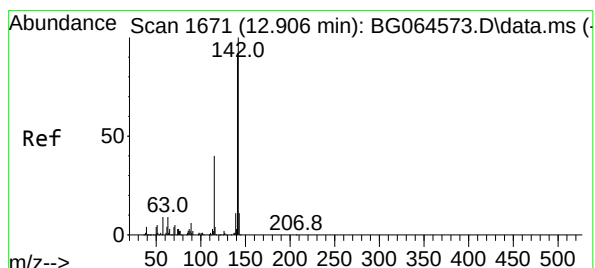
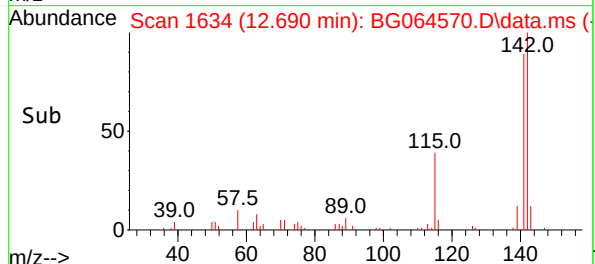
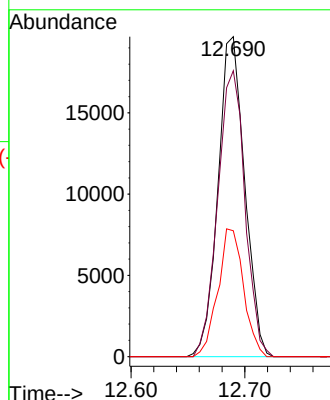
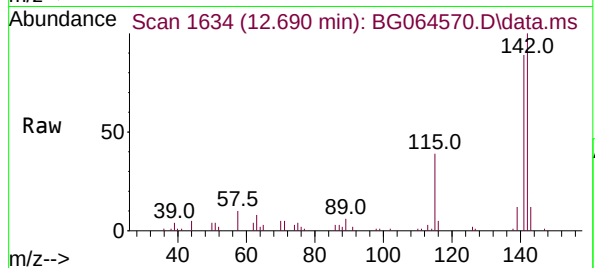
Tgt Ion:142 Resp: 32129
Ion Ratio Lower Upper
142 100
141 89.3 68.9 103.3
115 39.3 30.6 46.0

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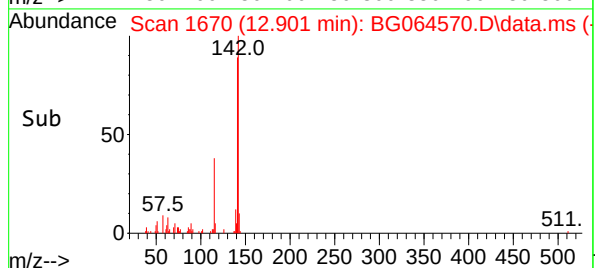
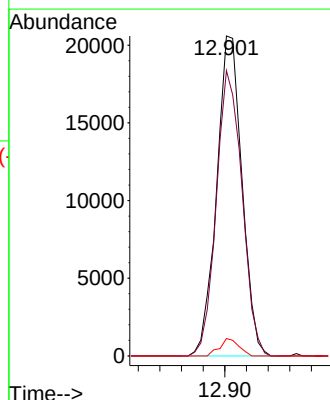
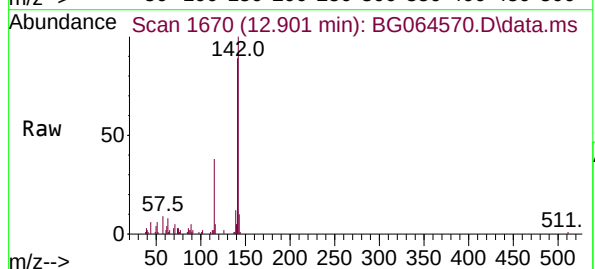
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Supervised By :Jagrut
Upadhyay

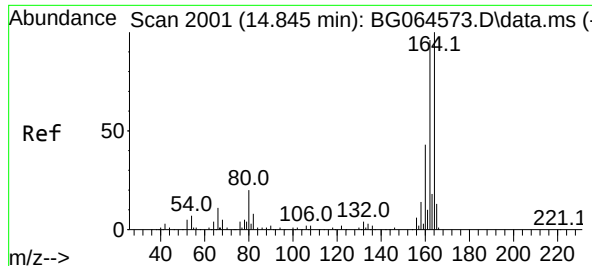
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#38
1-Methylnaphthalene
Concen: 4.972 ng m
RT: 12.901 min Scan# 1670
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:142 Resp: 33515
Ion Ratio Lower Upper
142 100
141 89.1 73.3 109.9
116 5.4 3.1 4.7#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.840 min Scan# 2001

Delta R.T. -0.002 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

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

Manual Integrations

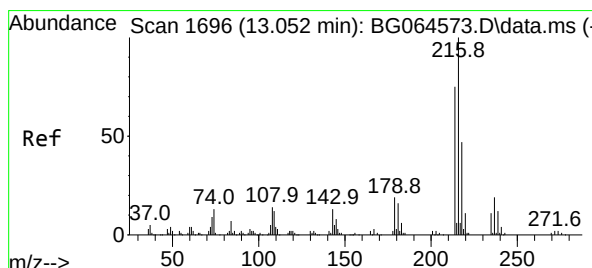
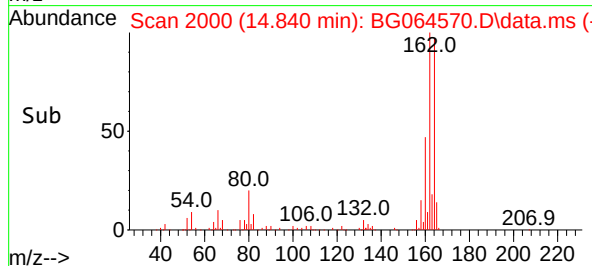
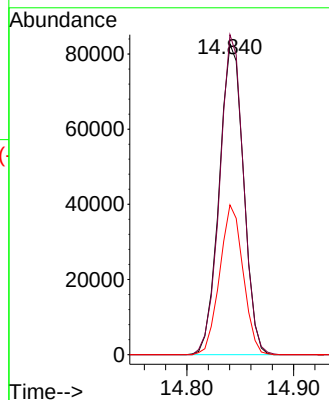
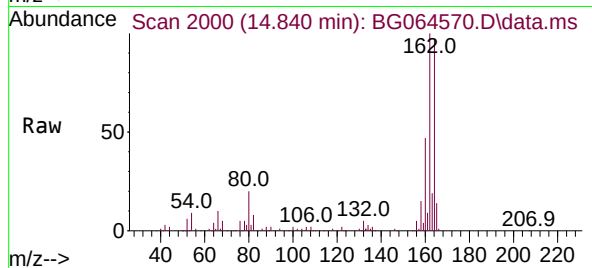
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Reviewed By :Rahul
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Upadhyay

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 4.893 ng

RT: 13.048 min Scan# 1695

Delta R.T. -0.008 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Tgt Ion:216 Resp: 21576

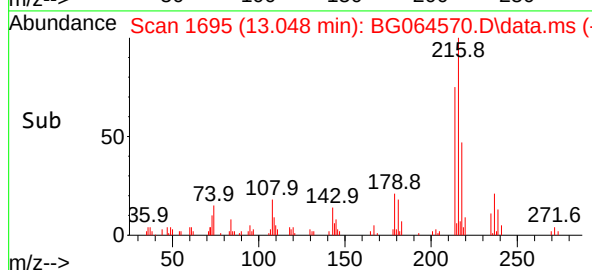
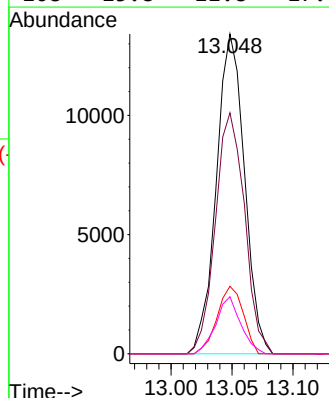
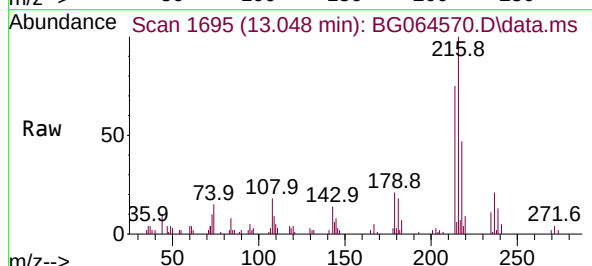
Ion Ratio Lower Upper

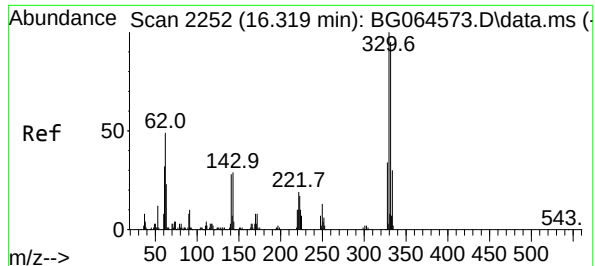
216 100

214 78.0 61.4 92.2

179 19.5 15.4 23.0

108 15.8 11.8 17.6





#42

2,4,6-Tribromophenol

Concen: 7.654 ng

RT: 16.315 min Scan# 21

Delta R.T. -0.008 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

Tgt Ion:330 Resp: 14514
Ion Ratio Lower Upper
330 100
332 95.3 78.0 117.0
141 25.5 21.8 32.6

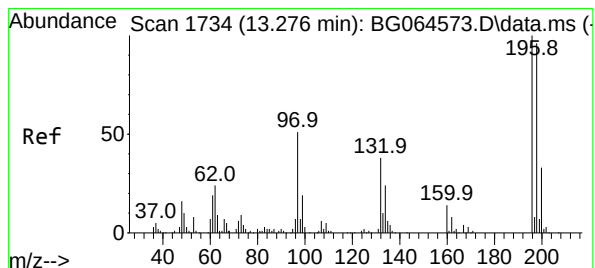
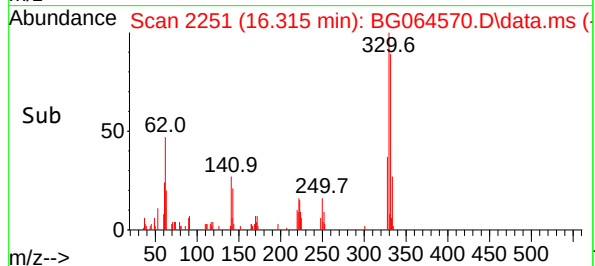
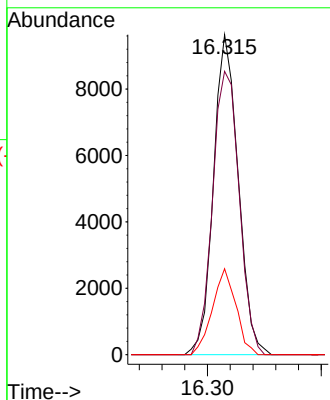
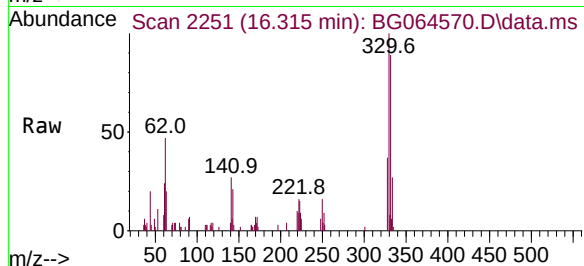
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Reviewed By :Rahul
Chavli

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#43

2,4,6-Trichlorophenol

Concen: 3.826 ng

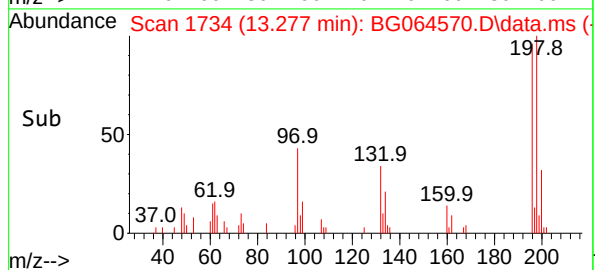
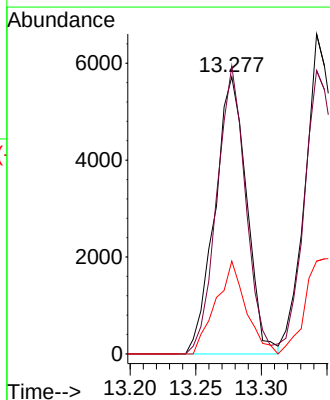
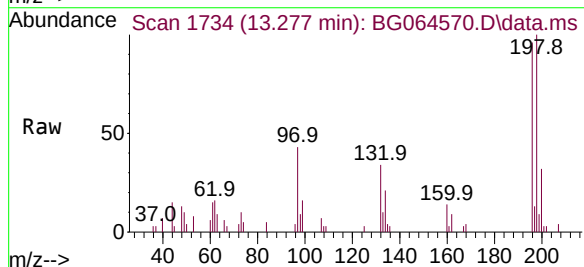
RT: 13.277 min Scan# 1734

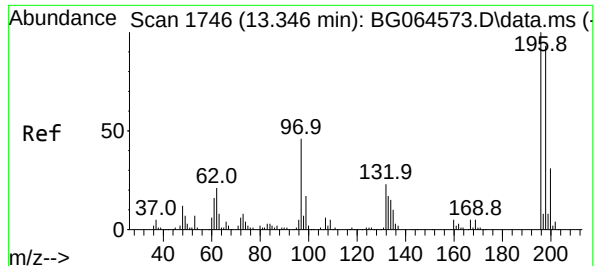
Delta R.T. -0.002 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

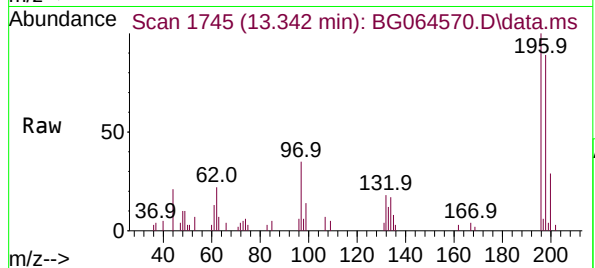
Tgt Ion:196 Resp: 9650
Ion Ratio Lower Upper
196 100
198 103.9 76.6 115.0
200 33.5 26.0 39.0





#44
2,4,5-Trichlorophenol
Concen: 3.831 ng
RT: 13.342 min Scan# 1746
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



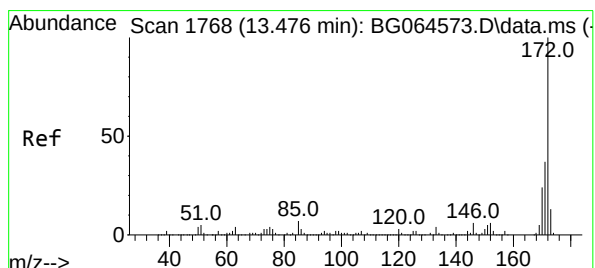
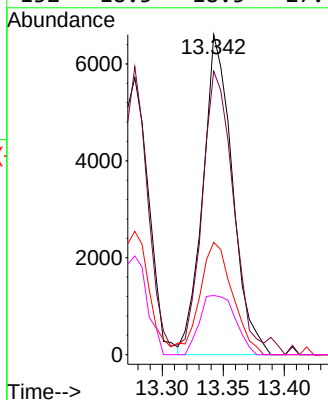
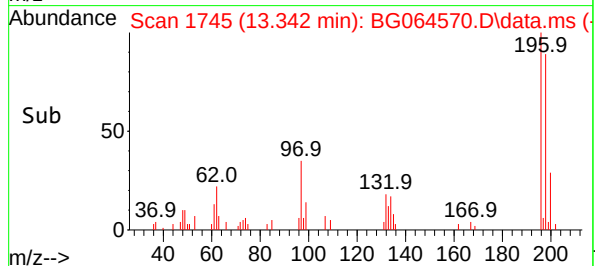
Tgt Ion:196 Resp: 1115
Ion Ratio Lower Upper
196 100
198 88.6 74.2 111.4
97 35.1 37.0 55.6
132 18.5 18.5 27.7

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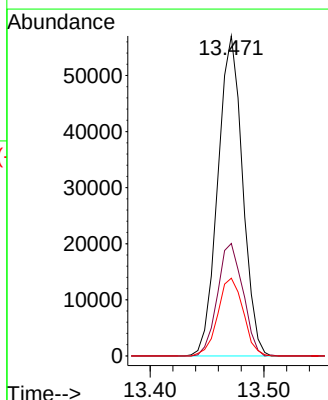
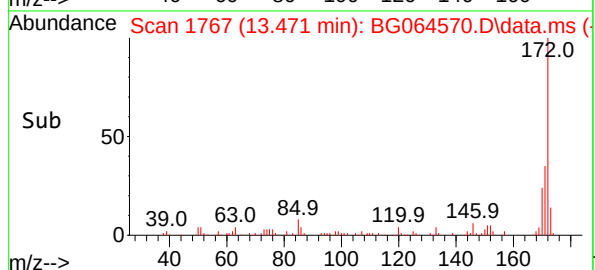
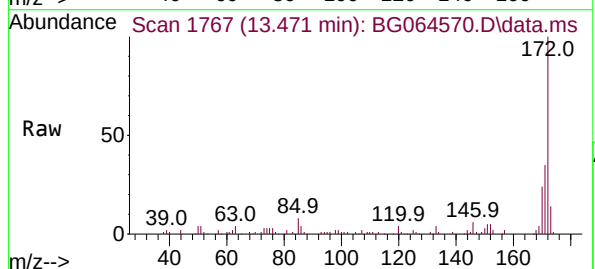
10/27/2025
Supervised By :Jagrut
Upadhyay

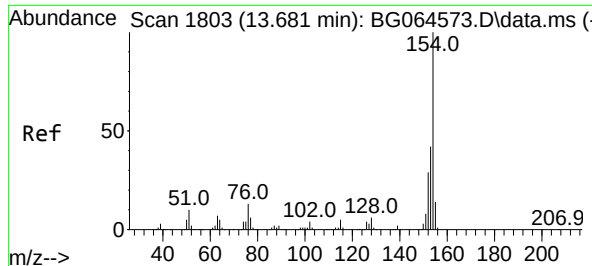
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#45
2-Fluorobiphenyl
Concen: 9.932 ng
RT: 13.471 min Scan# 1767
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:172 Resp: 86089
Ion Ratio Lower Upper
172 100
171 35.1 29.4 44.0
170 24.3 19.1 28.7





#46

1,1'-Biphenyl

Concen: 5.122 ng

RT: 13.683 min Scan# 1803

Delta R.T. -0.002 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

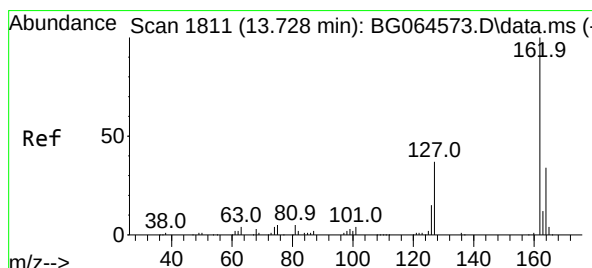
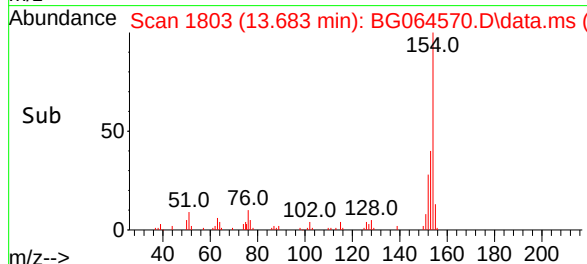
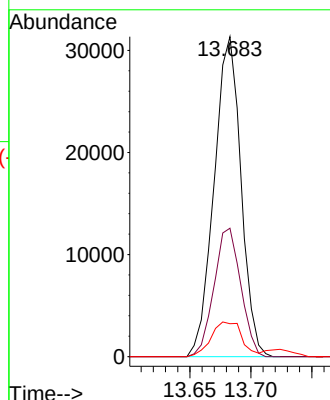
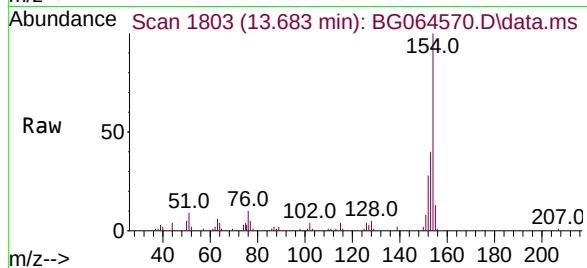
ClientSampleId :

SSTDICC005

Tgt Ion:154	Resp:	47840
Ion Ratio	Lower	Upper
154	100	
153	40.1	22.4 62.4
76	10.3	0.0 33.5

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#47

2-Chloronaphthalene

Concen: 4.961 ng

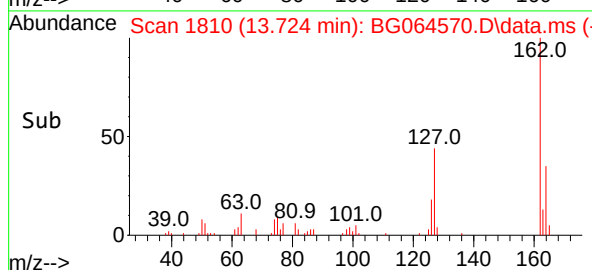
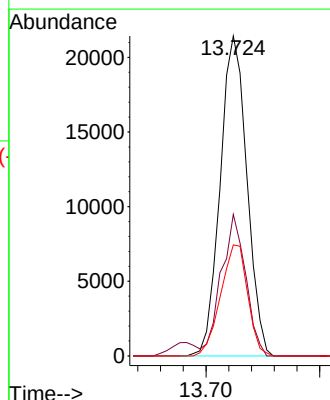
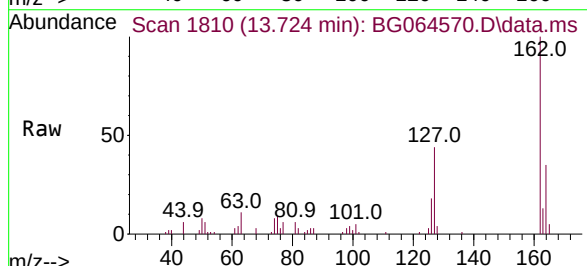
RT: 13.724 min Scan# 1810

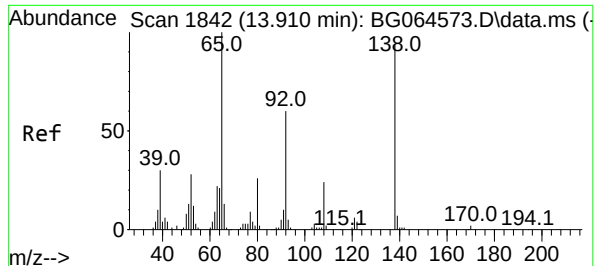
Delta R.T. -0.008 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Tgt Ion:162	Resp:	34977
Ion Ratio	Lower	Upper
162	100	
127	44.2	32.2 48.2
164	34.7	27.5 41.3





#48

2-Nitroaniline

Concen: 5.826 ng

RT: 13.906 min Scan# 1842

Delta R.T. -0.008 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

Tgt Ion: 65 Resp: 660

Ion Ratio Lower Upper

65 100

92 52.8 48.3 72.5

138 79.6 74.9 112.3

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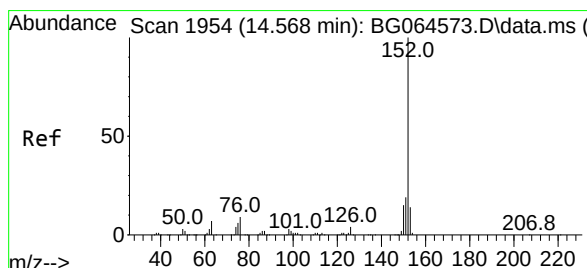
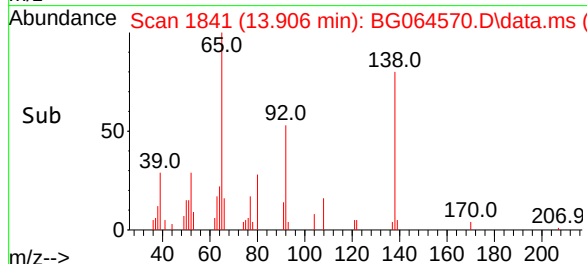
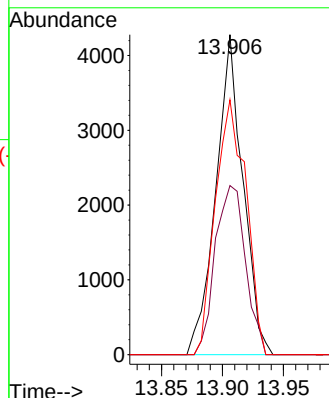
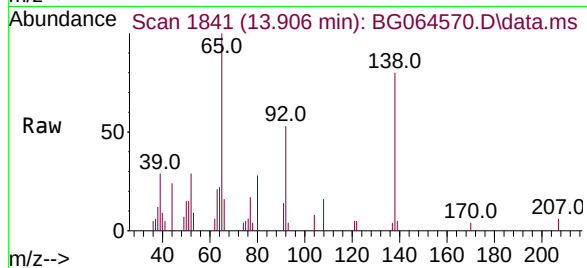
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Reviewed By :Rahul
Chavli

10/27/2025

Supervised By :Jagrut
Upadhyay

10/27/2025



#49

Acenaphthylene

Concen: 4.923 ng

RT: 14.564 min Scan# 1953

Delta R.T. -0.002 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

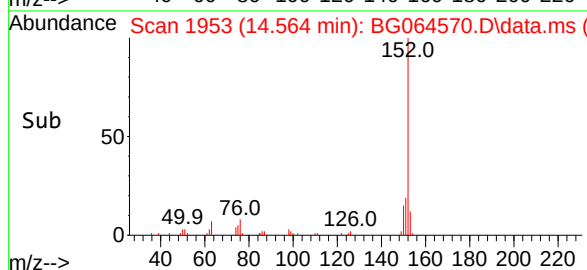
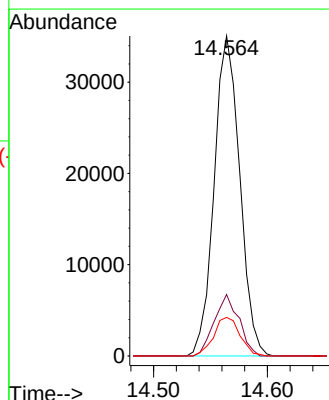
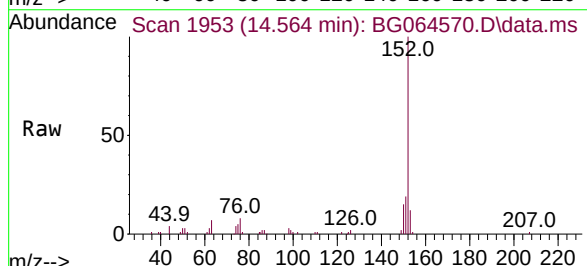
Tgt Ion:152 Resp: 54748

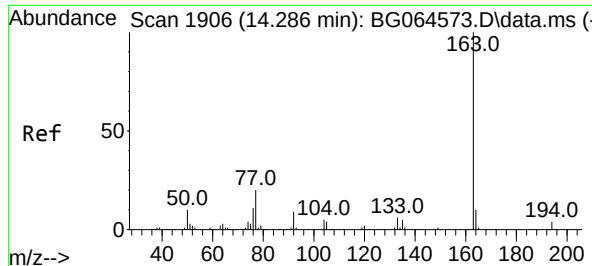
Ion Ratio Lower Upper

152 100

151 19.2 15.4 23.2

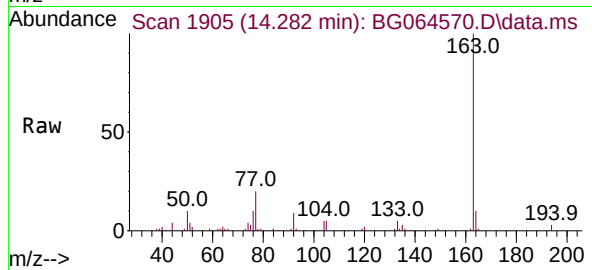
153 12.0 11.0 16.4





#50
Dimethylphthalate
Concen: 4.540 ng
RT: 14.282 min Scan# 1906
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



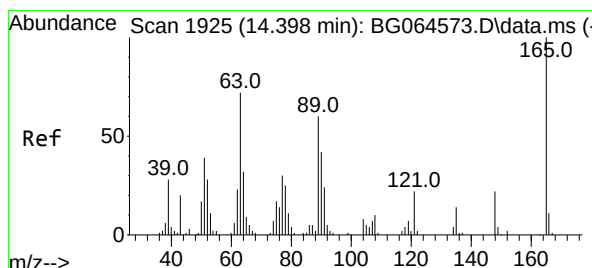
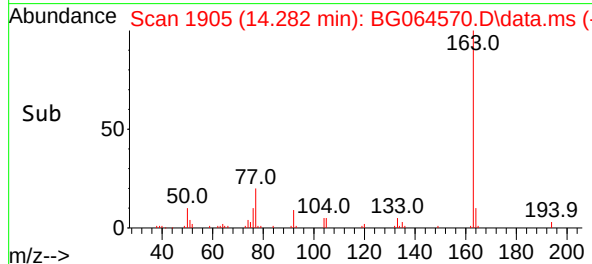
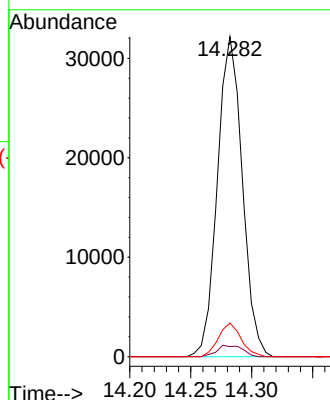
Tgt Ion:163 Resp: 45639
Ion Ratio Lower Upper
163 100
194 3.1 2.8 4.2
164 10.5 7.7 11.5

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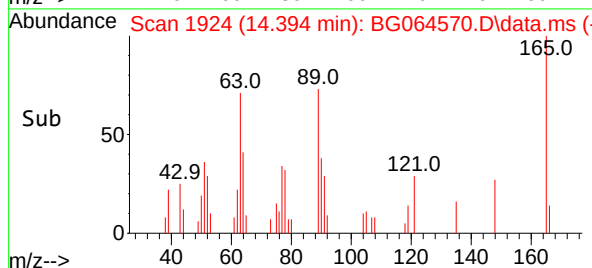
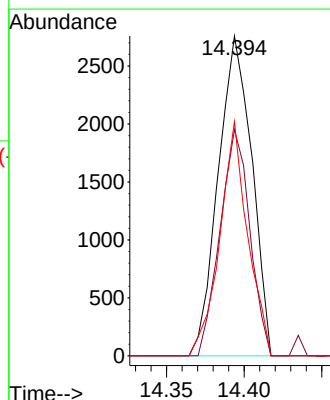
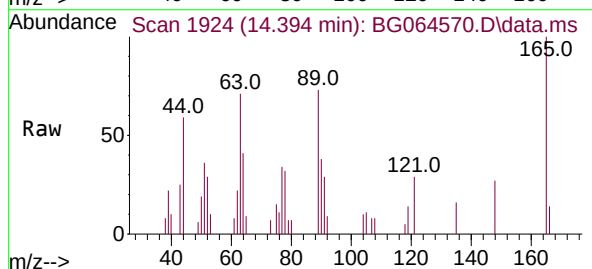
10/27/2025
Supervised By :Jagrut
Upadhyay

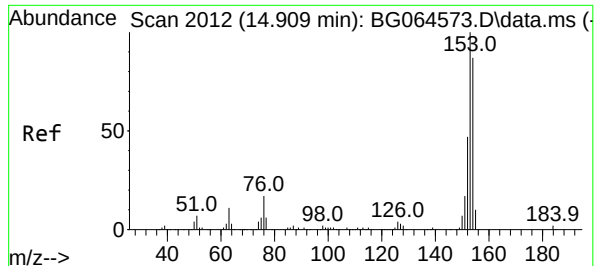
10/27/2025



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

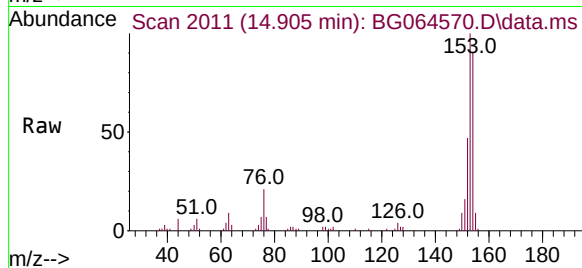
Tgt Ion:165 Resp: 4161
Ion Ratio Lower Upper
165 100
63 70.7 57.4 86.0
89 73.2 47.8 71.8#





#52
Acenaphthene
Concen: 4.867 ng
RT: 14.905 min Scan# 2012
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



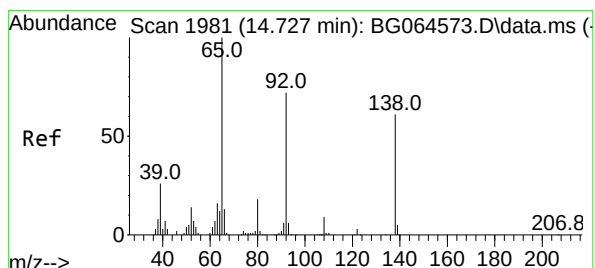
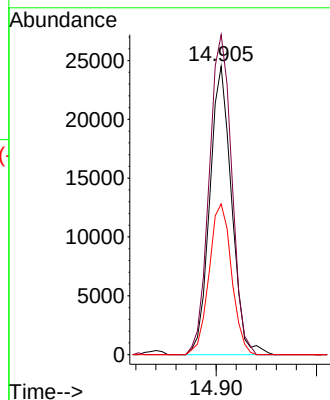
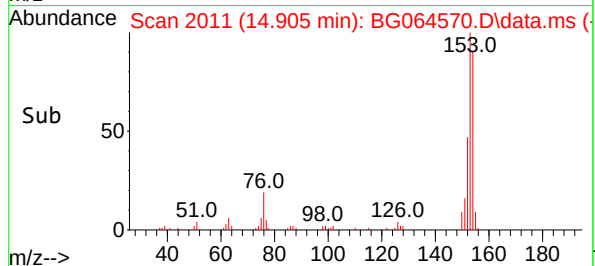
Tgt Ion:154 Resp: 36982
Ion Ratio Lower Upper
154 100
153 111.0 92.2 138.4
152 52.2 43.2 64.8

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Chavli

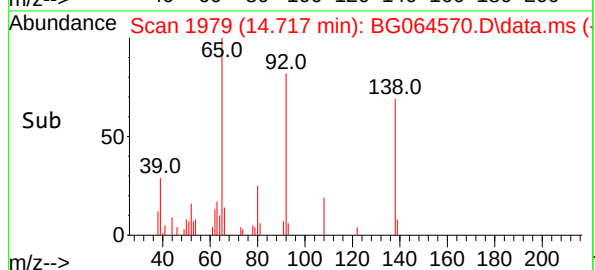
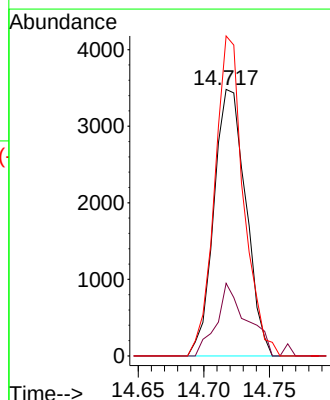
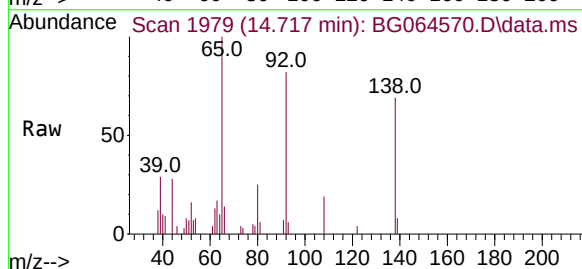
10/27/2025
Supervised By :Jagrut
Upadhyay

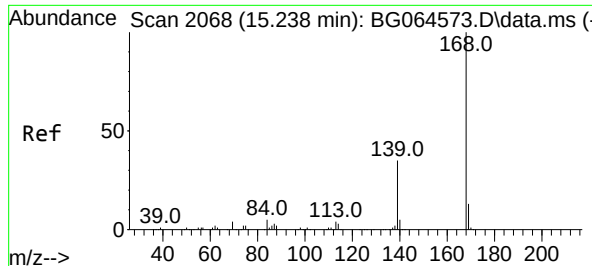
10/27/2025



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

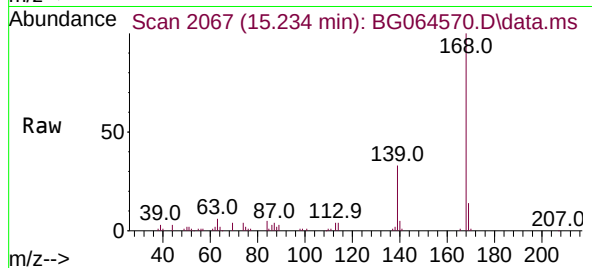
Tgt Ion:138 Resp: 5903
Ion Ratio Lower Upper
138 100
108 27.2 11.4 17.0#
92 120.0 95.3 142.9





#55
Dibenzenofuran
Concen: 5.029 ng
RT: 15.234 min Scan# 2068
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



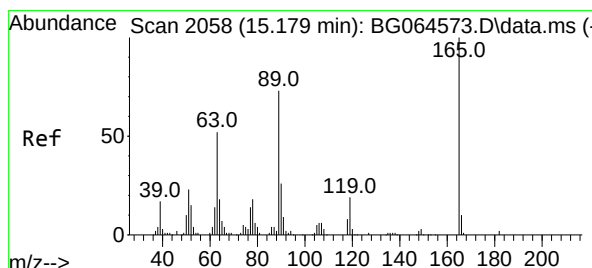
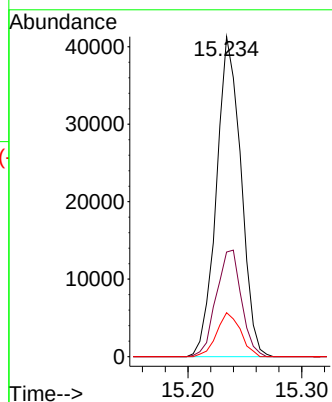
Tgt Ion:168 Resp: 61779
Ion Ratio Lower Upper
168 100
139 32.7 27.8 41.8
169 13.7 10.3 15.5

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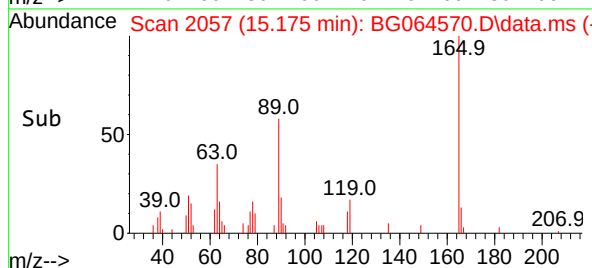
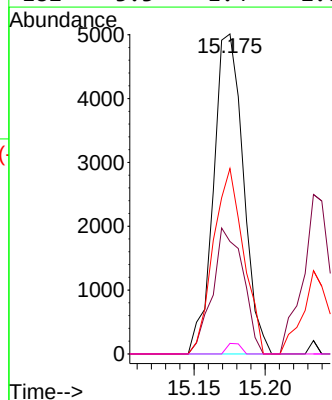
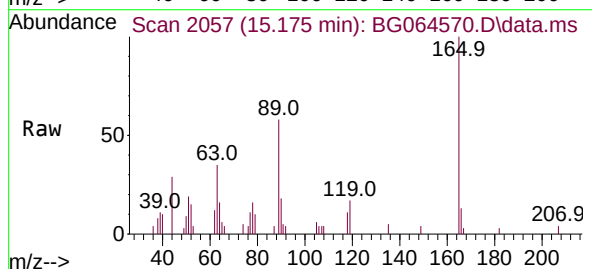
10/27/2025
Supervised By :Jagrut
Upadhyay

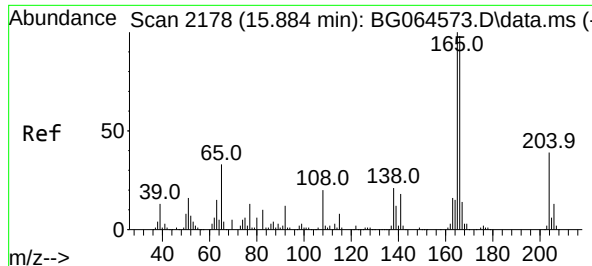
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#57
2,4-Dinitrotoluene
Concen: 5.721 ng
RT: 15.175 min Scan# 2057
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:165 Resp: 7312
Ion Ratio Lower Upper
165 100
63 35.1 41.8 62.8#
89 57.9 58.1 87.1#
182 3.3 1.4 2.0#





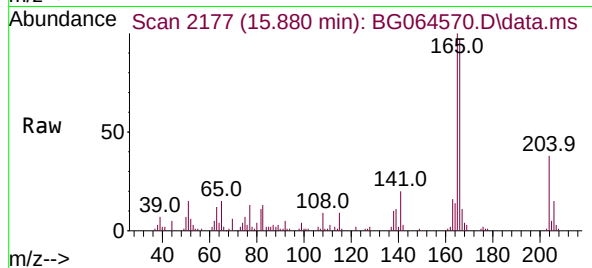
#58
Fluorene
Concen: 5.035 ng
RT: 15.880 min Scan# 2178
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005



Tgt Ion:166 Resp: 48305
Ion Ratio Lower Upper
166 100
165 103.5 81.5 122.3
167 11.6 11.4 17.0

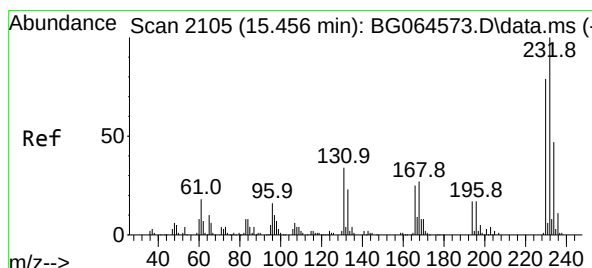
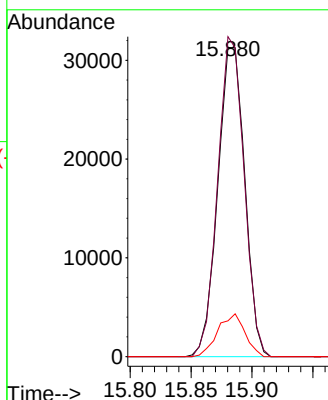
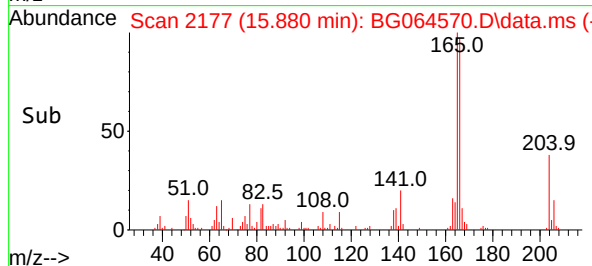
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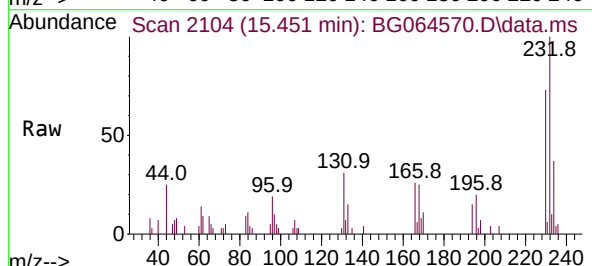
10/27/2025

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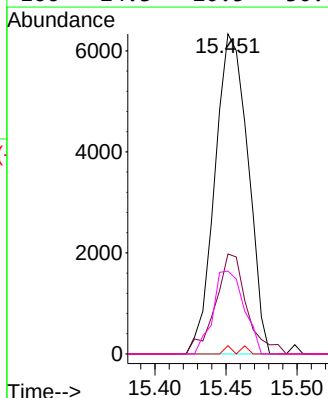
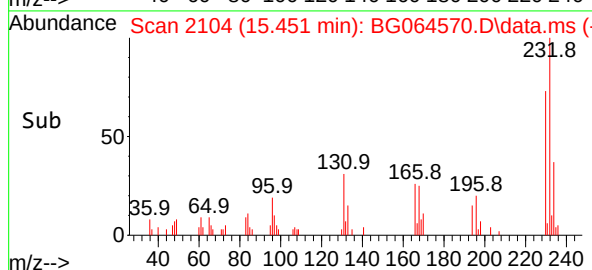
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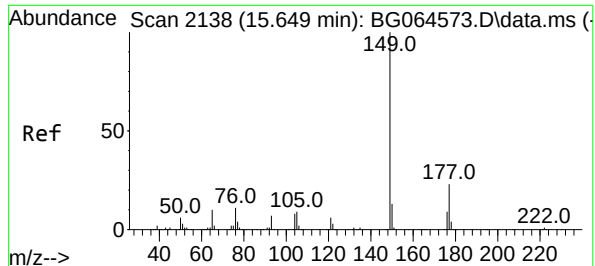


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.679 ng
RT: 15.451 min Scan# 2104
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41



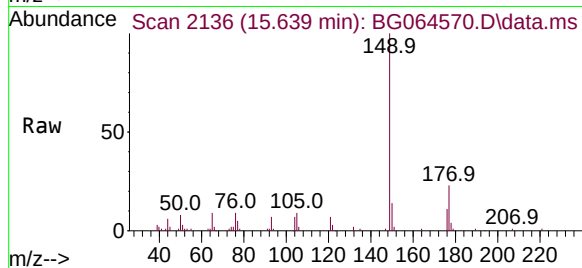
Tgt Ion:232 Resp: 10241
Ion Ratio Lower Upper
232 100
131 29.7 26.7 40.1
130 1.1 1.6 2.4#
166 24.3 20.5 30.7





#60
Diethylphthalate
Concen: 4.533 ng
RT: 15.639 min Scan# 2138
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



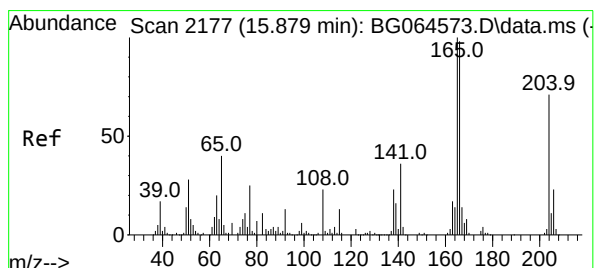
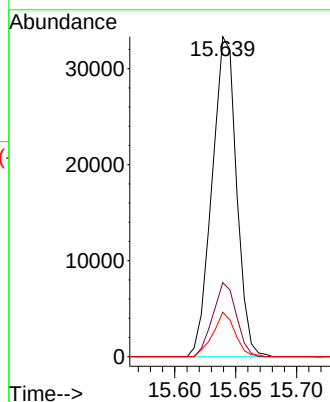
Tgt Ion:149 Resp: 46534
Ion Ratio Lower Upper
149 100
177 23.1 18.0 27.0
150 13.9 10.2 15.4

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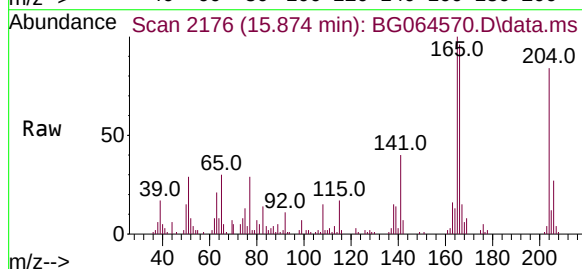
Reviewed By :Rahul
Chavli

10/27/2025
Supervised By :Jagrut
Upadhyay

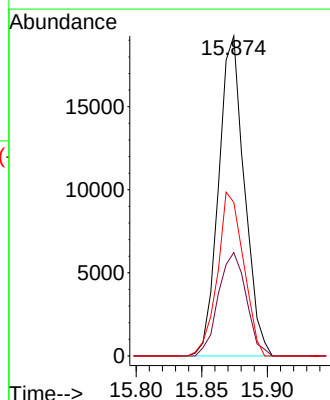
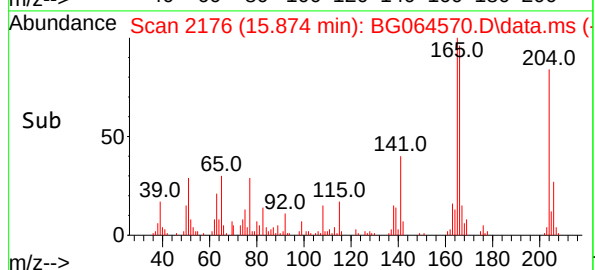
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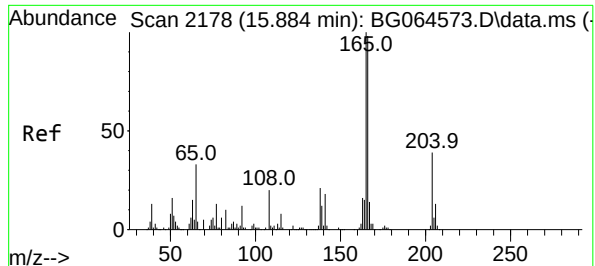


#61
4-Chlorophenyl-phenylether
Concen: 4.880 ng
RT: 15.874 min Scan# 2176
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41



Tgt Ion:204 Resp: 26270
Ion Ratio Lower Upper
204 100
206 32.3 25.6 38.4
141 48.0 40.6 60.8





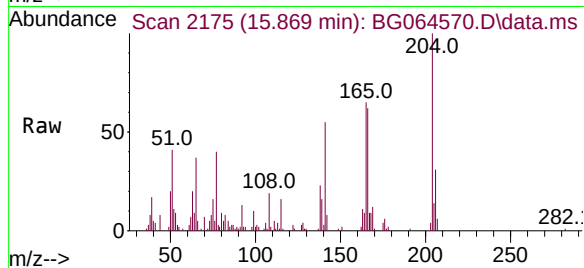
#62
4-Nitroaniline
Concen: 3.321 ng
RT: 15.869 min Scan# 2175
Delta R.T. -0.025 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005



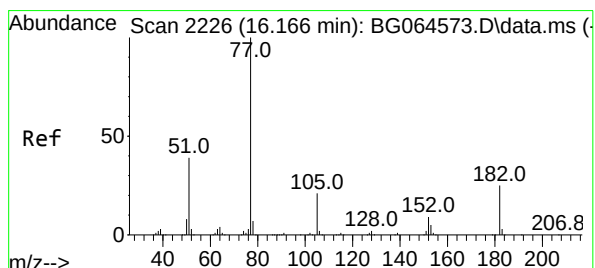
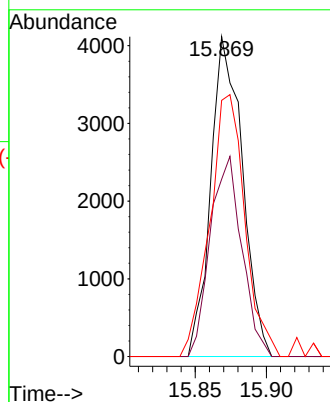
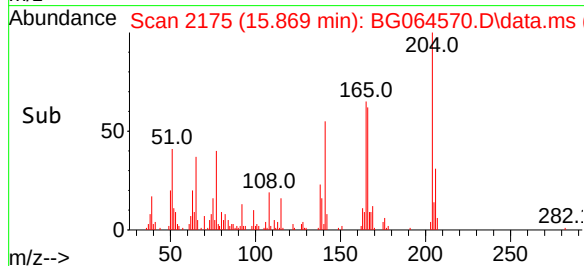
Tgt Ion:138 Resp: 6383
Ion Ratio Lower Upper
138 100
92 55.4 36.1 76.1
108 80.1 75.6 115.6

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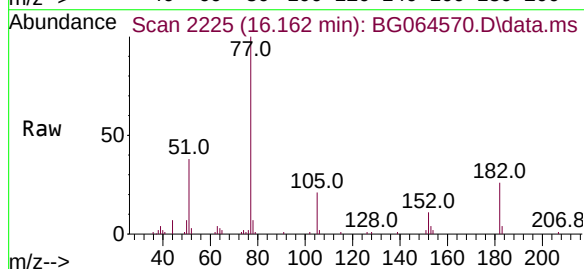
10/27/2025

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Upadhyay

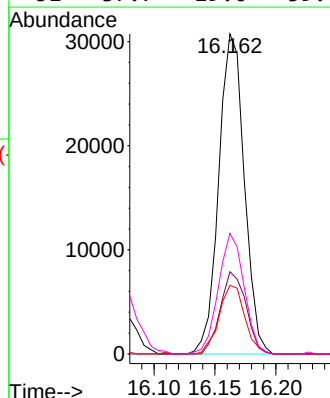
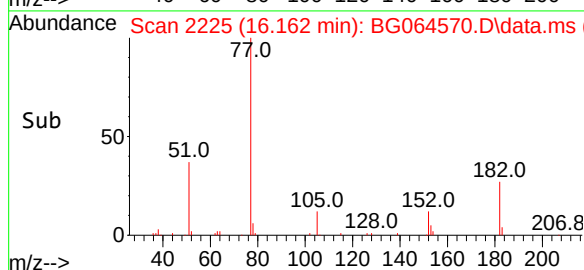
10/27/2025

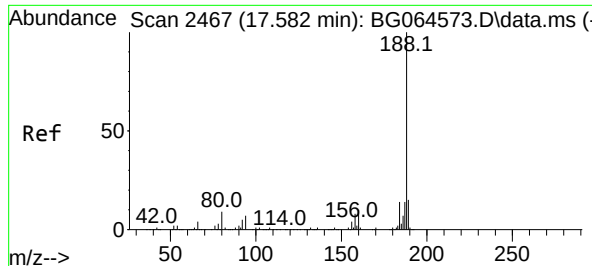


#63
Azobenzene
Concen: 4.749 ng
RT: 16.162 min Scan# 2225
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41



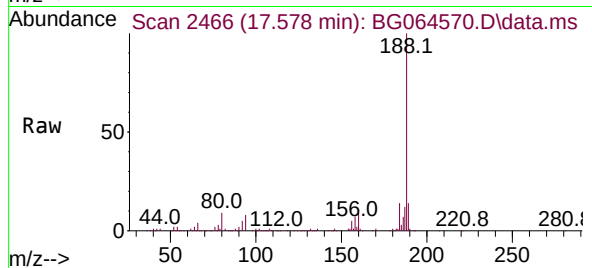
Tgt Ion: 77 Resp: 44729
Ion Ratio Lower Upper
77 100
182 25.7 4.9 44.9
105 21.4 1.3 41.3
51 37.7 19.0 59.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 2467
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



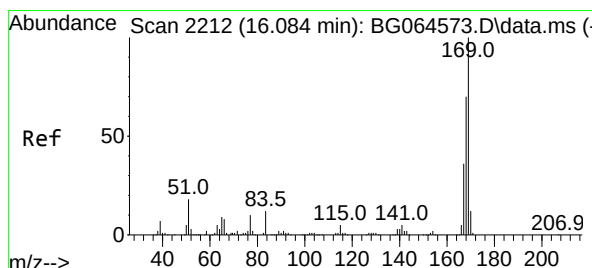
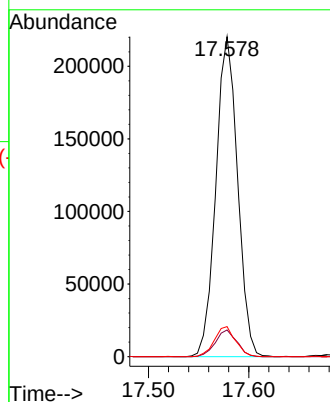
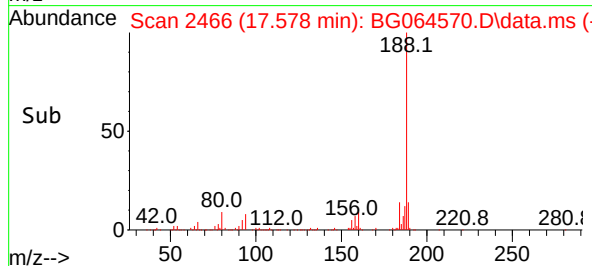
Tgt Ion:188 Resp: 331372
Ion Ratio Lower Upper
188 100
94 8.3 5.7 8.5
80 9.4 6.8 10.2

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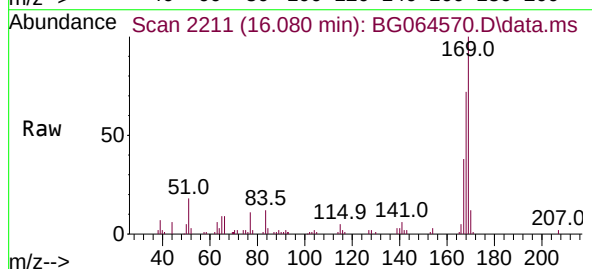
Reviewed By :Rahul
Chavli

10/27/2025
Supervised By :Jagrut
Upadhyay

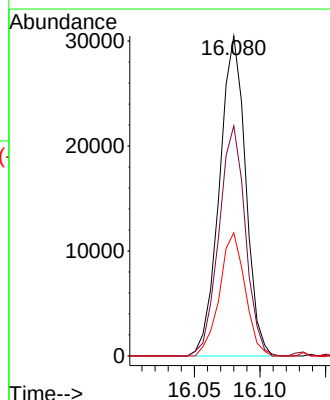
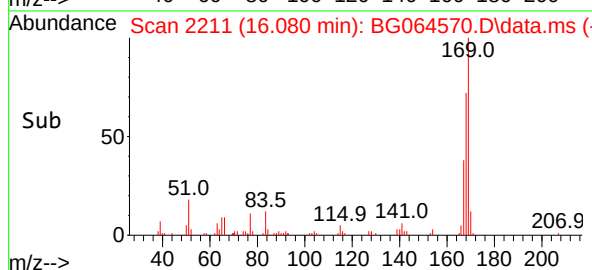
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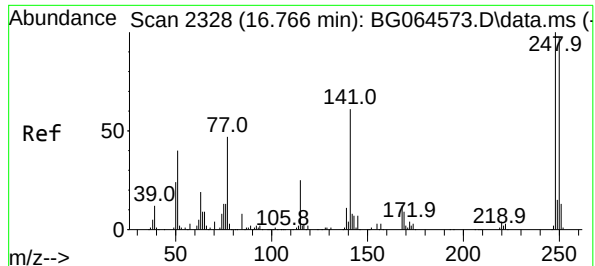


#66
n-Nitrosodiphenylamine
Concen: 4.725 ng
RT: 16.080 min Scan# 2211
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41



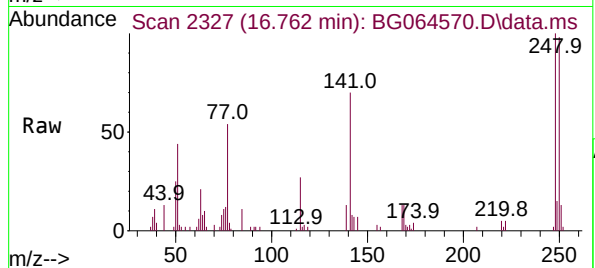
Tgt Ion:169 Resp: 42291
Ion Ratio Lower Upper
169 100
168 71.9 56.3 84.5
167 38.5 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 4.600 ng
RT: 16.762 min Scan# 2328
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



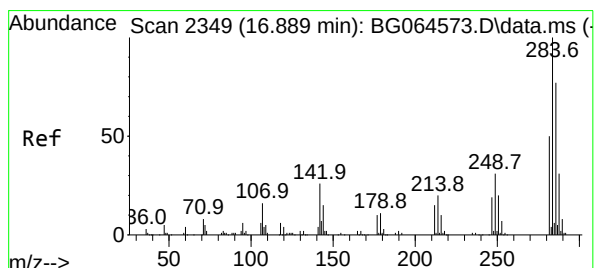
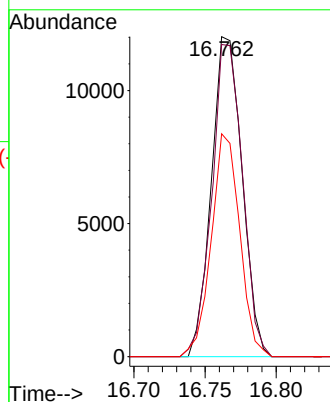
Tgt Ion:248 Resp: 18064
Ion Ratio Lower Upper
248 100
250 97.5 77.7 116.5
141 69.6 48.6 72.8

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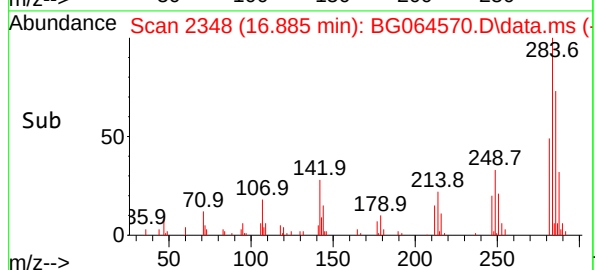
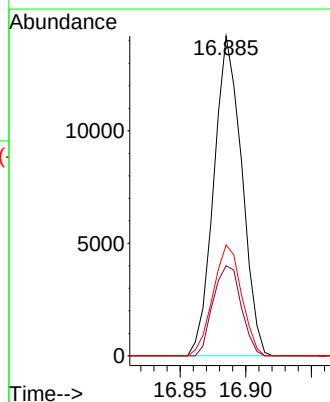
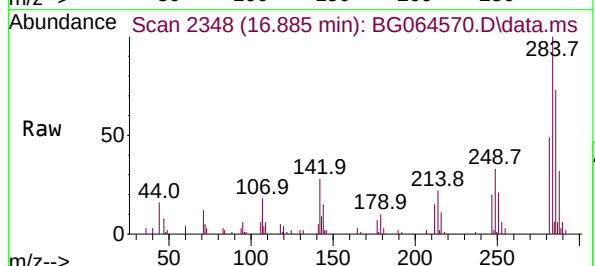
10/27/2025
Supervised By :Jagrut
Upadhyay

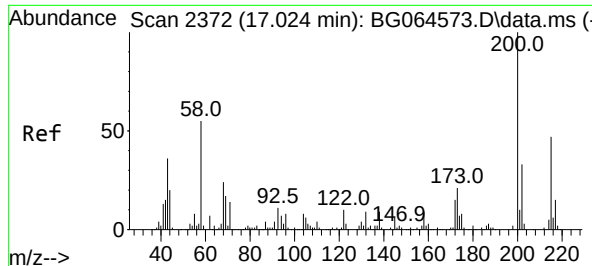
10/27/2025



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

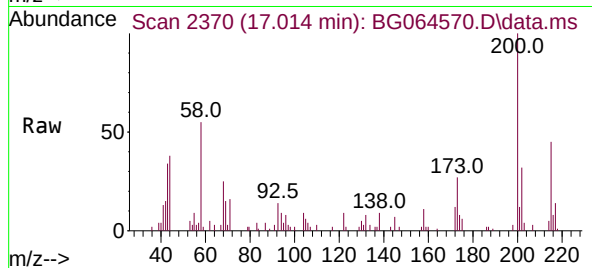
Tgt Ion:284 Resp: 21076
Ion Ratio Lower Upper
284 100
142 28.2 21.0 31.6
249 34.7 24.9 37.3





#69
 Atrazine
 Concen: 4.616 ng
 RT: 17.014 min Scan# 2470
 Delta R.T. -0.014 min
 Lab File: BG064570.D
 Acq: 24 Oct 2025 9:41

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC005



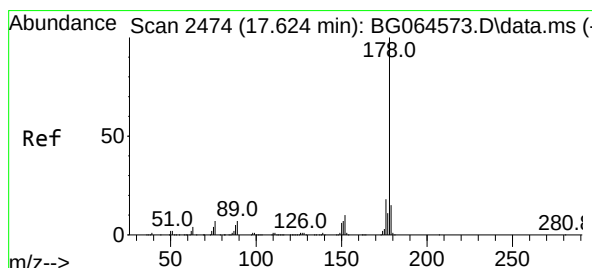
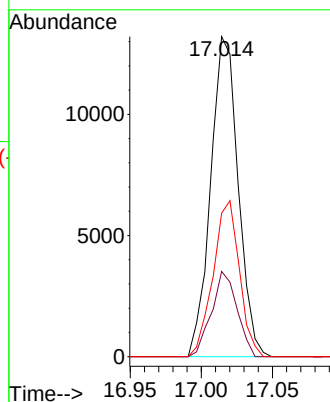
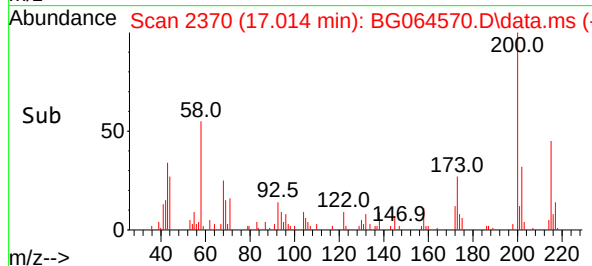
Tgt Ion:200 Resp: 17783
 Ion Ratio Lower Upper
 200 100
 173 26.6 0.9 40.9
 215 44.8 27.0 67.0

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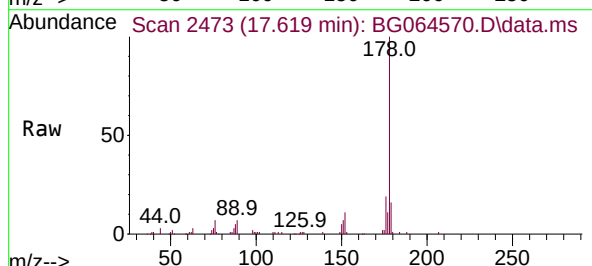
Reviewed By :Rahul
 Chavli

10/27/2025
 Supervised By :Jagrut
 Upadhyay

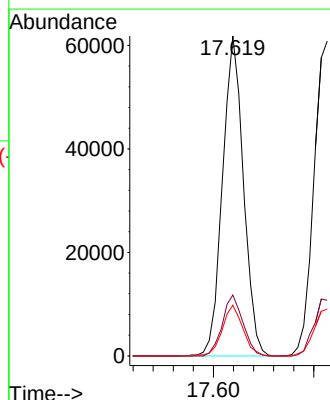
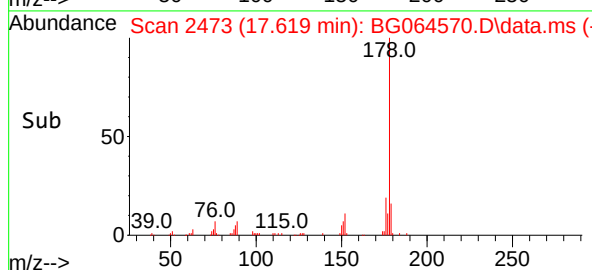
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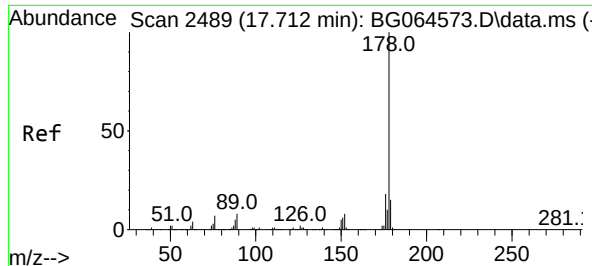


#71
 Phenanthrene
 Concen: 4.954 ng
 RT: 17.619 min Scan# 2473
 Delta R.T. -0.008 min
 Lab File: BG064570.D
 Acq: 24 Oct 2025 9:41



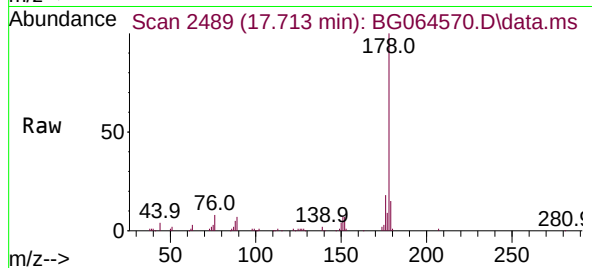
Tgt Ion:178 Resp: 89771
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.7 22.1
 179 15.8 12.2 18.4





#72
Anthracene
Concen: 4.886 ng
RT: 17.713 min Scan# 2489
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



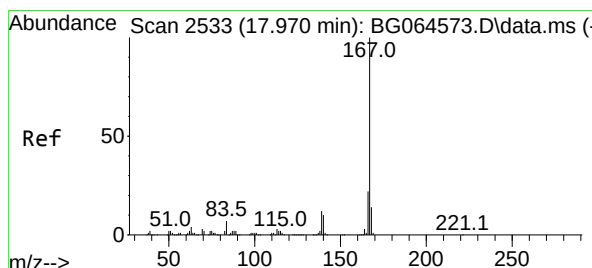
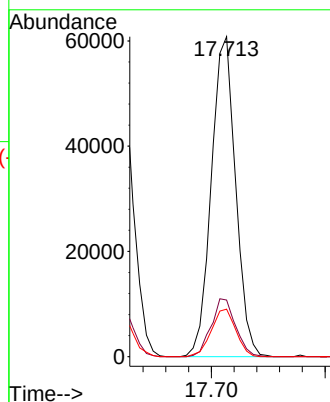
Tgt Ion:178 Resp: 90063
Ion Ratio Lower Upper
178 100
176 17.7 14.4 21.6
179 14.8 12.4 18.6

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Reviewed By :Rahul
Chavli

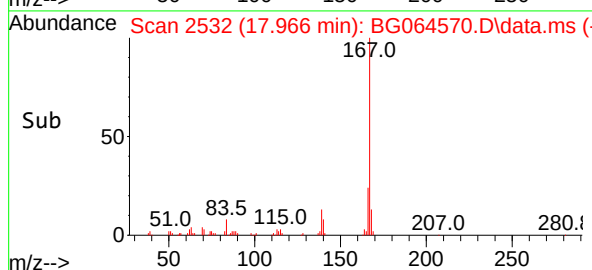
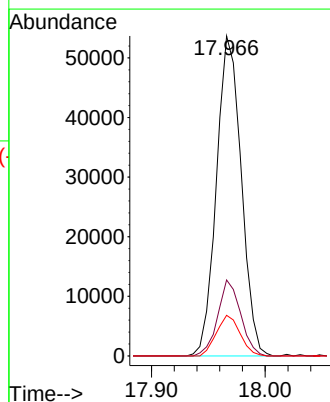
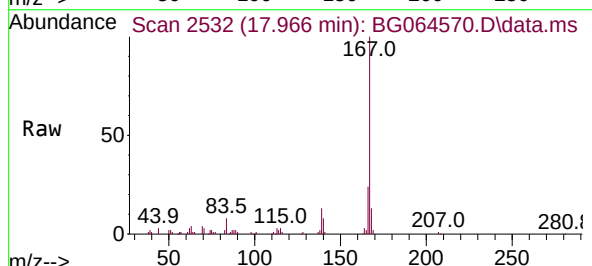
10/27/2025
Supervised By :Jagrut
Upadhyay

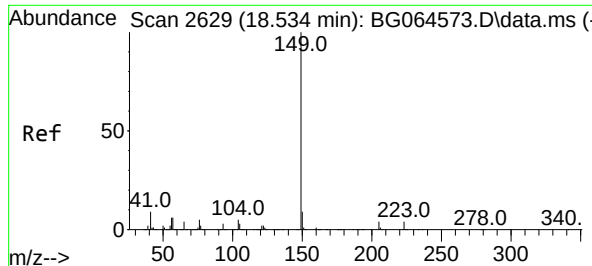
10/27/2025



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

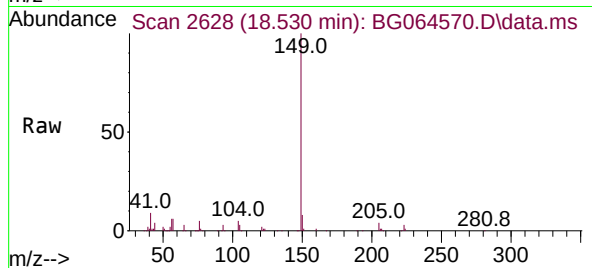
Tgt Ion:167 Resp: 81350
Ion Ratio Lower Upper
167 100
166 23.7 17.9 26.9
139 12.7 9.7 14.5





#74
Di-n-butylphthalate
Concen: 4.454 ng
RT: 18.530 min Scan# 2629
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



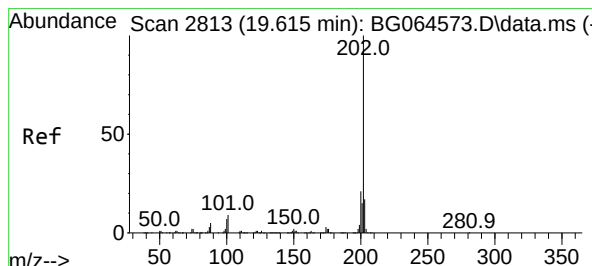
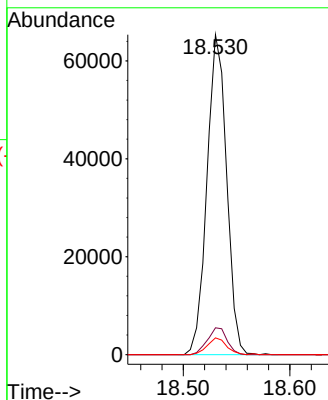
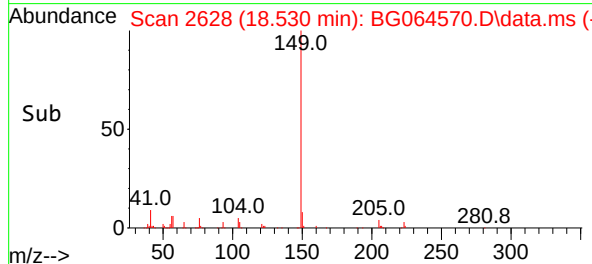
Tgt Ion:149 Resp: 83713
Ion Ratio Lower Upper
149 100
150 8.4 7.0 10.6
104 5.2 4.1 6.1

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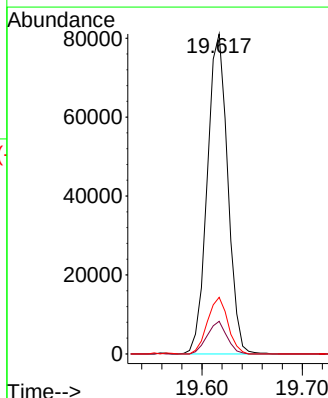
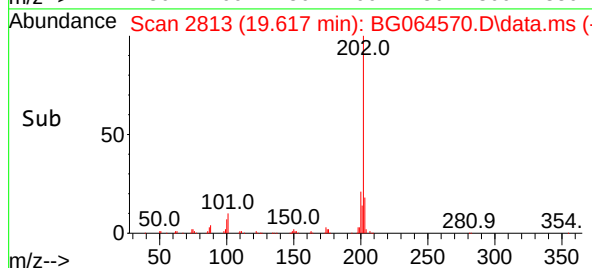
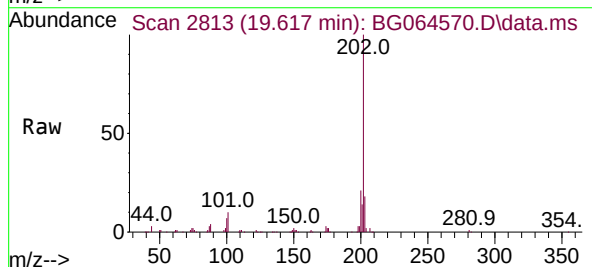
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Supervised By :Jagrut
Upadhyay

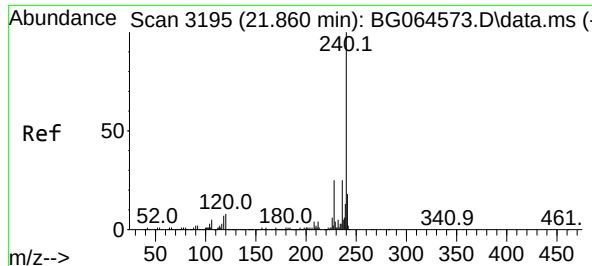
10/27/2025



#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

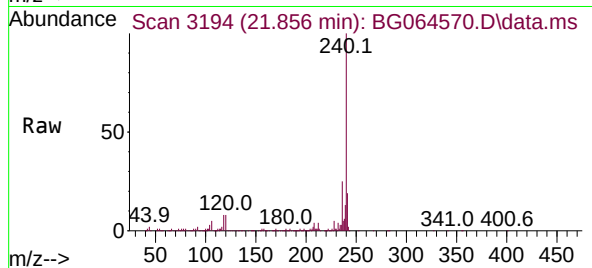
Tgt Ion:202 Resp: 114724
Ion Ratio Lower Upper
202 100
101 10.2 0.0 28.7
203 17.7 0.0 37.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.856 min Scan# 3195
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



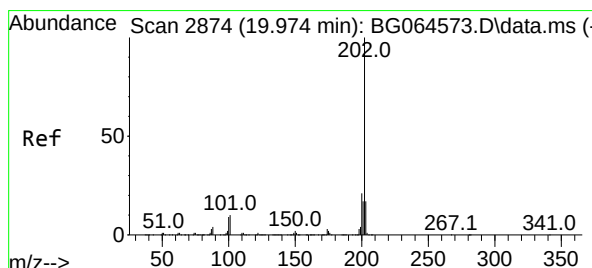
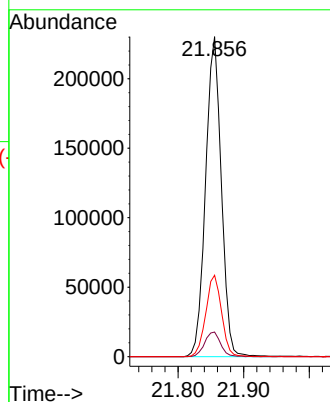
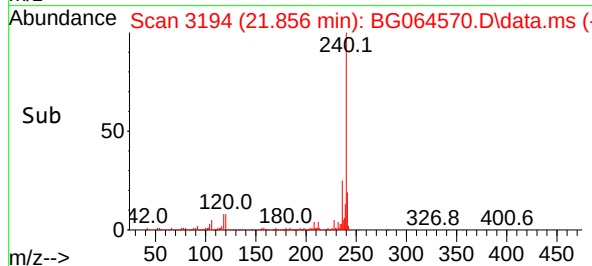
Tgt Ion:240 Resp: 381389
Ion Ratio Lower Upper
240 100
120 7.7 6.5 9.7
236 25.4 20.2 30.2

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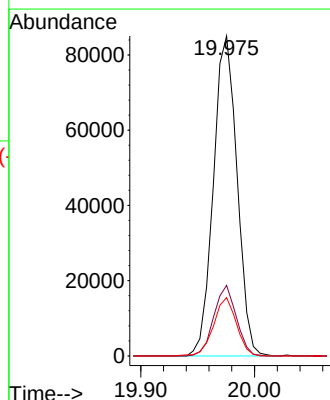
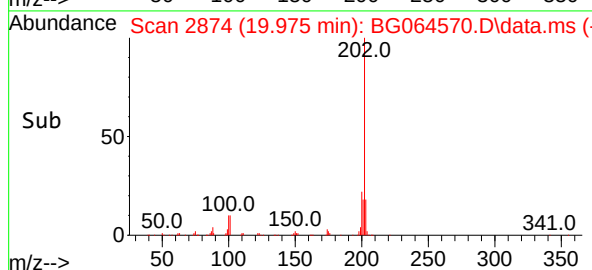
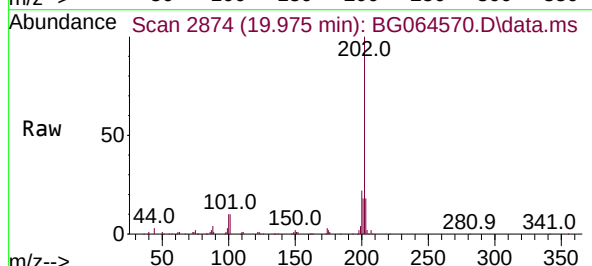
10/27/2025
Supervised By :Jagrut
Upadhyay

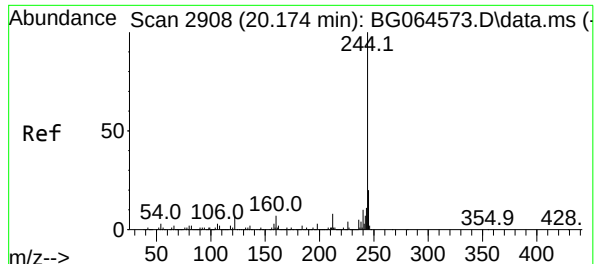
10/27/2025



#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

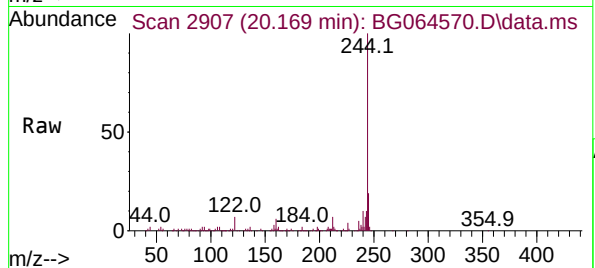
Tgt Ion:202 Resp: 122676
Ion Ratio Lower Upper
202 100
200 22.0 17.0 25.4
203 18.2 13.8 20.6





#79
 Terphenyl-d14
 Concen: 10.130 ng
 RT: 20.169 min Scan# 2907
 Delta R.T. -0.008 min
 Lab File: BG064570.D
 Acq: 24 Oct 2025 9:41

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC005



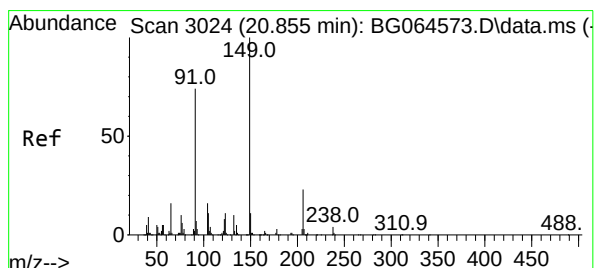
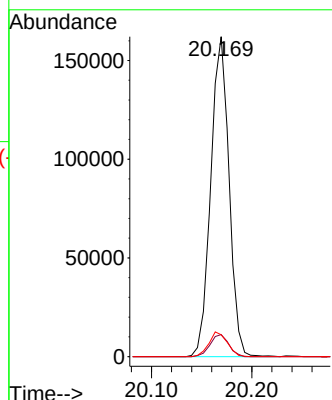
Tgt Ion:244 Resp: 204719
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 6.8 5.6 8.4

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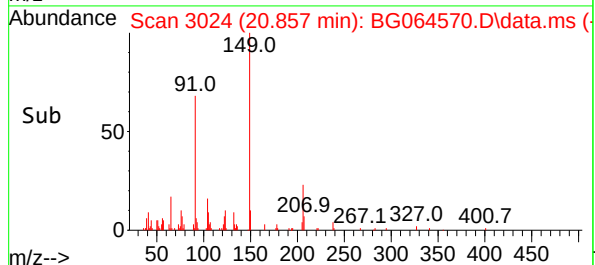
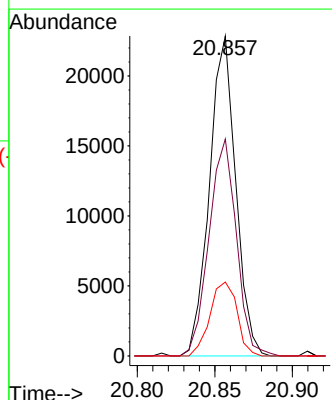
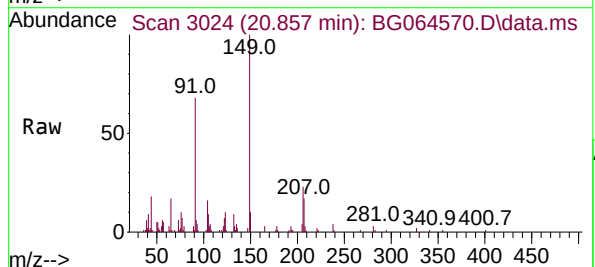
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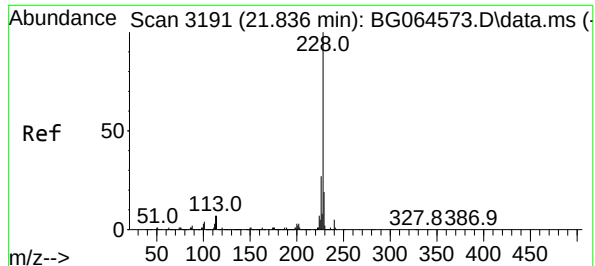
10/27/2025



#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

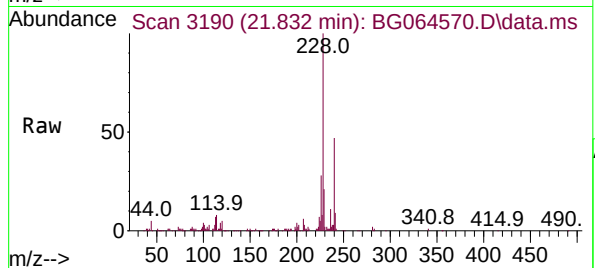
Tgt Ion:149 Resp: 27072
 Ion Ratio Lower Upper
 149 100
 91 67.8 59.2 88.8
 206 23.1 18.1 27.1





#81
Benzo(a)anthracene
Concen: 4.878 ng
RT: 21.832 min Scan# 3190
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



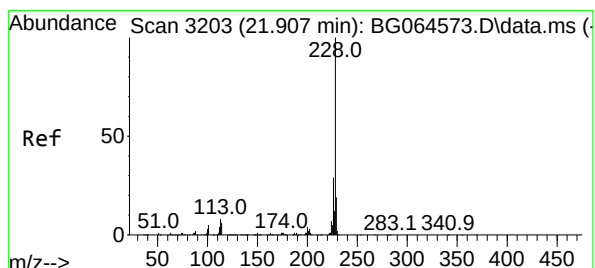
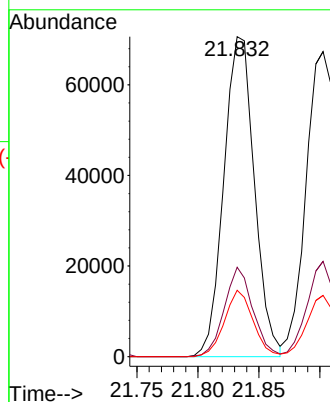
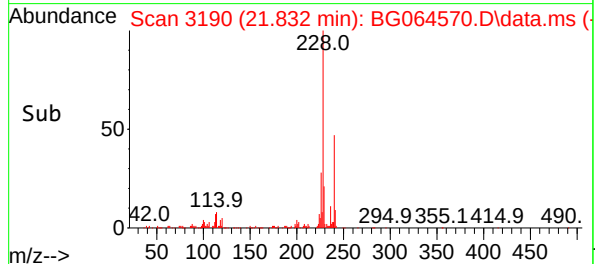
Tgt Ion:228 Resp: 123345
Ion Ratio Lower Upper
228 100
226 27.9 21.9 32.9
229 20.7 15.6 23.4

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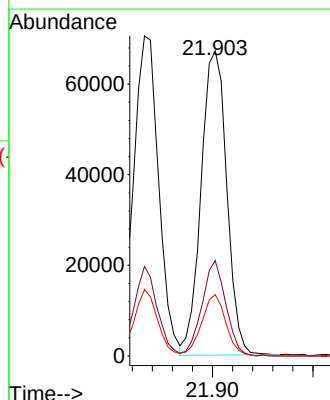
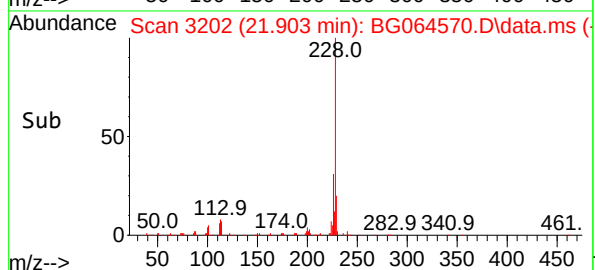
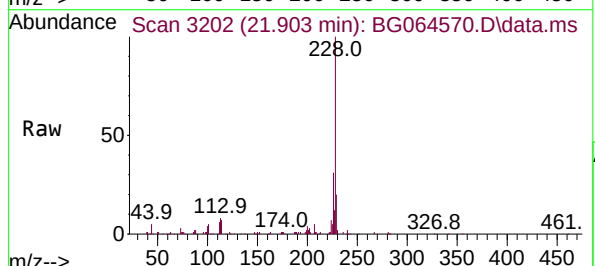
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Upadhyay

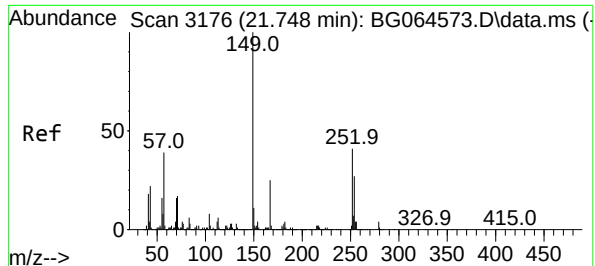
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#83
Chrysene
Concen: 4.949 ng
RT: 21.903 min Scan# 3202
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

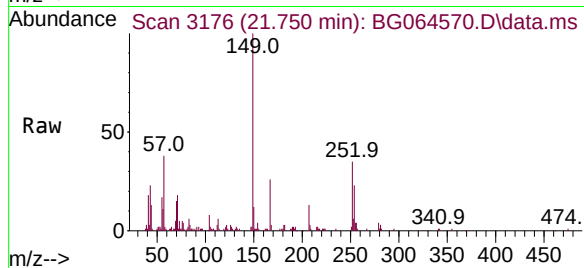
Tgt Ion:228 Resp: 119080
Ion Ratio Lower Upper
228 100
226 31.2 23.3 34.9
229 20.1 15.2 22.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.098 ng
RT: 21.750 min Scan# 3176
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :
BNA_G
ClientSampleId :
SSTDICC005



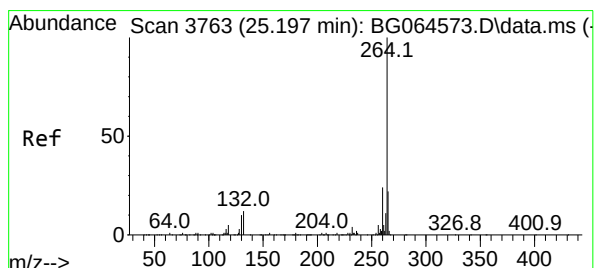
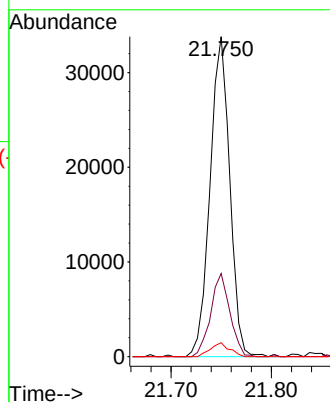
Tgt Ion:149 Resp: 46117
Ion Ratio Lower Upper
149 100
167 26.0 20.0 30.0
279 4.3 3.1 4.7

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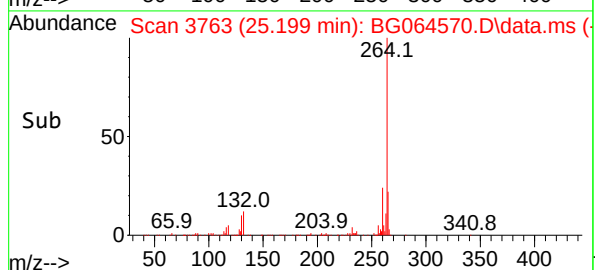
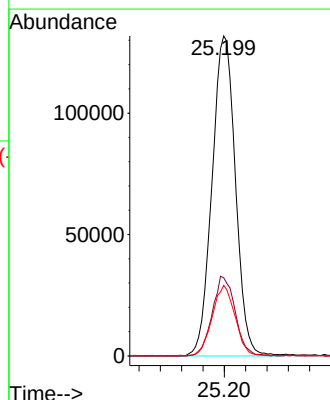
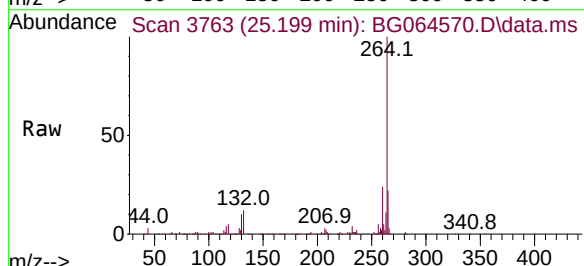
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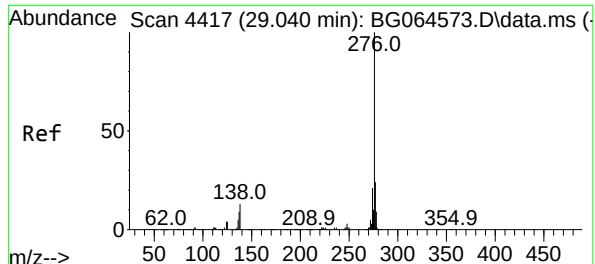
10/27/2025



#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





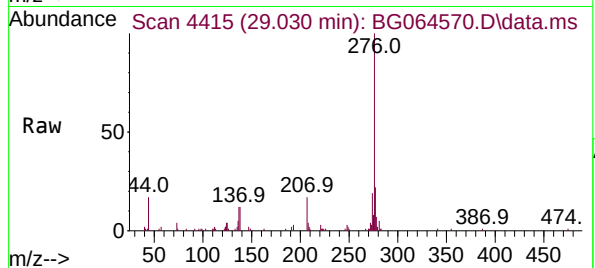
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.700 ng
RT: 29.030 min Scan# 4417
Delta R.T. -0.031 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

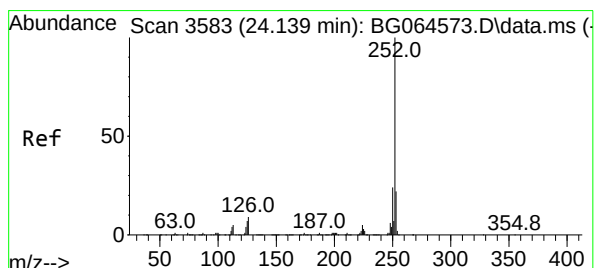
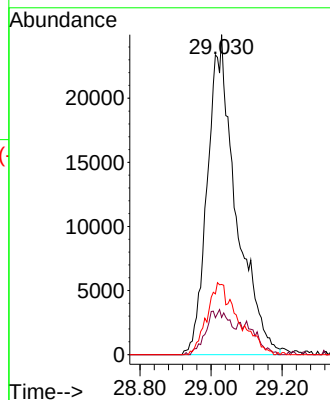
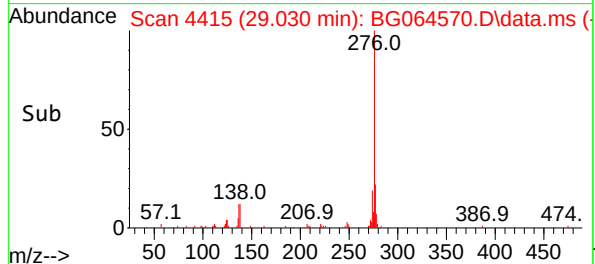
SSTDICC005



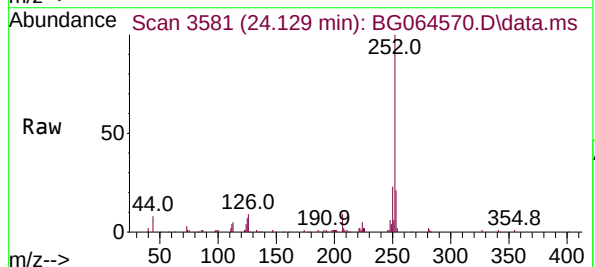
Tgt Ion:276 Resp: 138758
Ion Ratio Lower Upper
276 100
138 0.0 10.8 16.2
277 24.6 20.1 30.1

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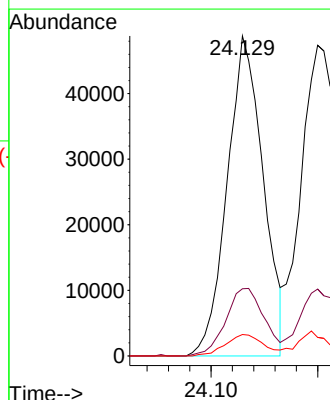
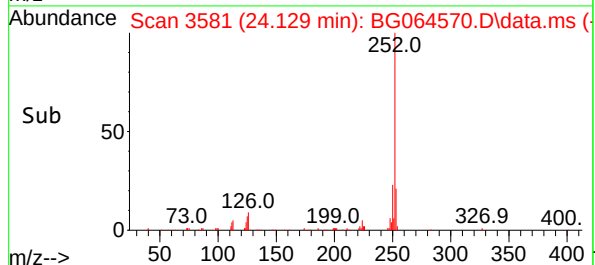
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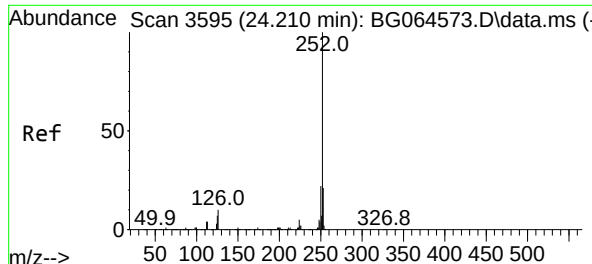


#88
Benzo(b)fluoranthene
Concen: 4.640 ng
RT: 24.129 min Scan# 3581
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41



Tgt Ion:252 Resp: 114203
Ion Ratio Lower Upper
252 100
253 21.0 17.8 26.8
125 6.7 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 4.787 ng

RT: 24.200 min Scan# 3595

Delta R.T. -0.019 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

Tgt Ion:252 Resp: 117893
Ion Ratio Lower Upper
252 100
253 21.5 16.8 25.2
125 6.0 5.4 8.0

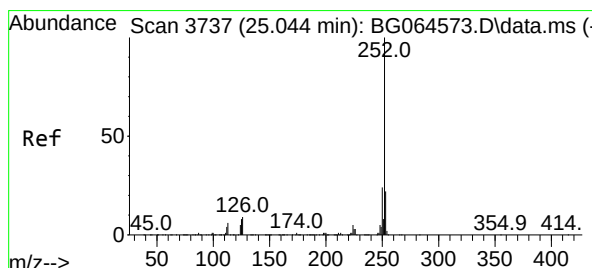
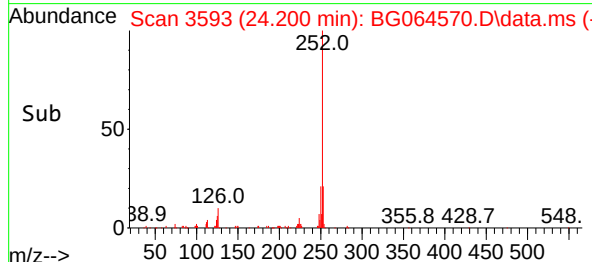
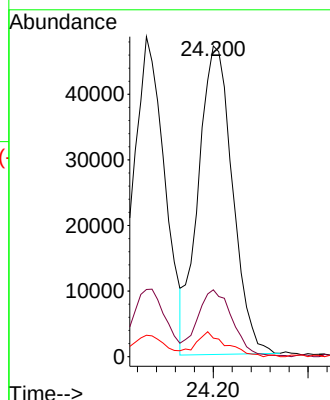
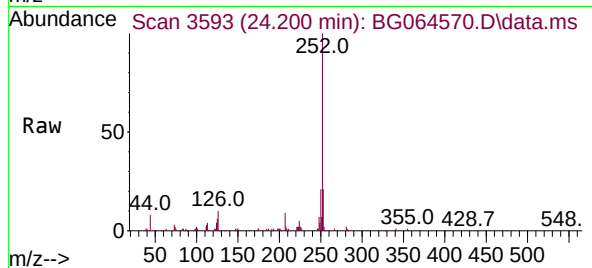
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#90

Benzo(a)pyrene

Concen: 4.704 ng

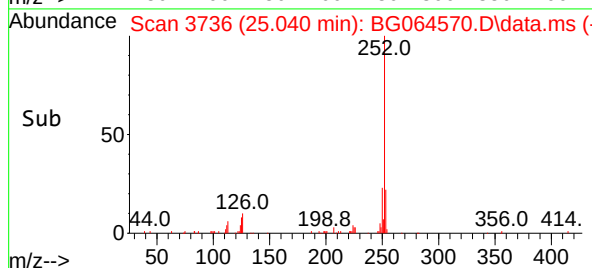
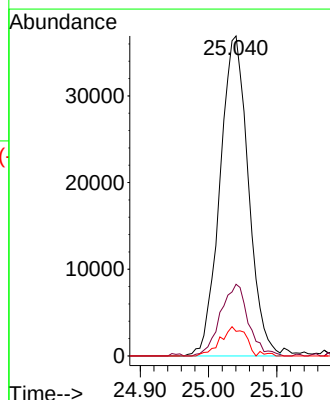
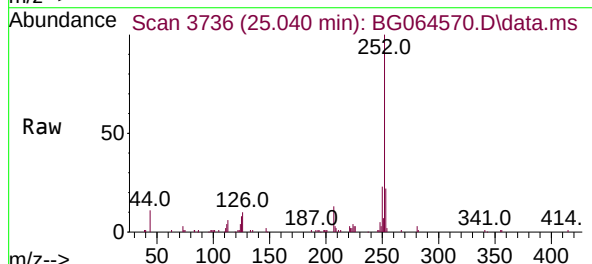
RT: 25.040 min Scan# 3736

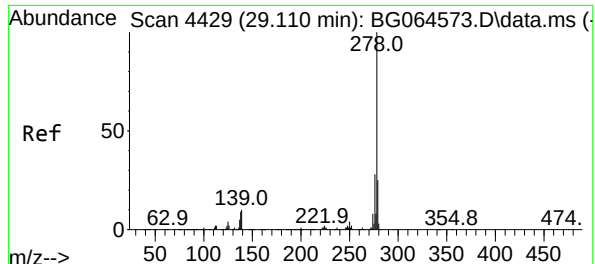
Delta R.T. -0.020 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Tgt Ion:252 Resp: 106414
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 7.7 6.1 9.1





#91

Dibenzo(a,h)anthracene

Concen: 4.686 ng

RT: 29.100 min Scan# 4429

Delta R.T. -0.037 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

Instrument :

BNA_G

ClientSampleId :

SSTDICC005

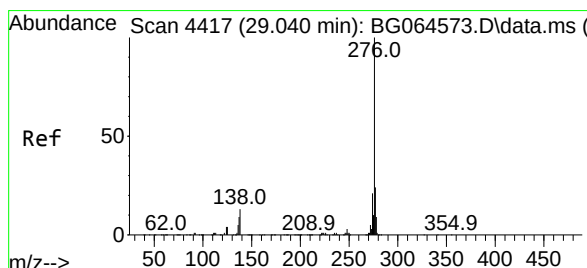
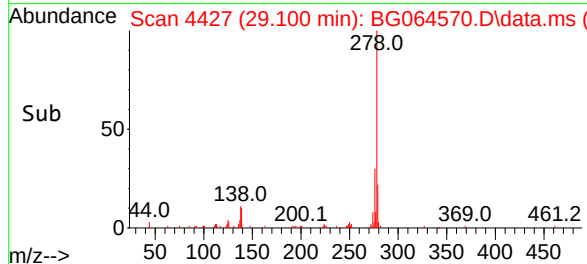
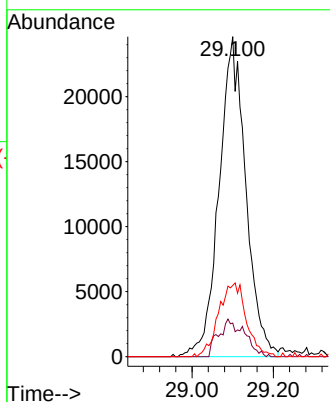
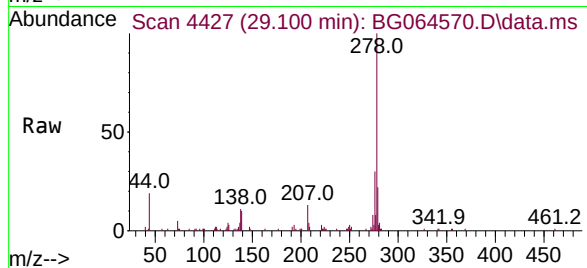
Tgt Ion	Ratio	Lower	Upper
278	100		
139	10.5	8.0	12.0
279	22.2	19.8	29.6

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Upadhyay

10/27/2025



#92

Benzo(g,h,i)perylene

Concen: 4.700 ng

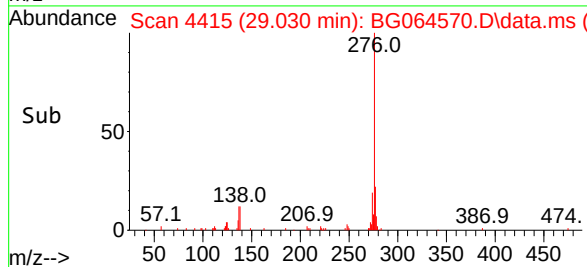
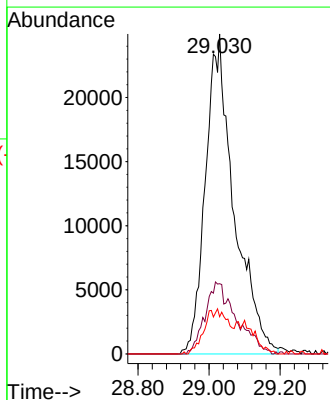
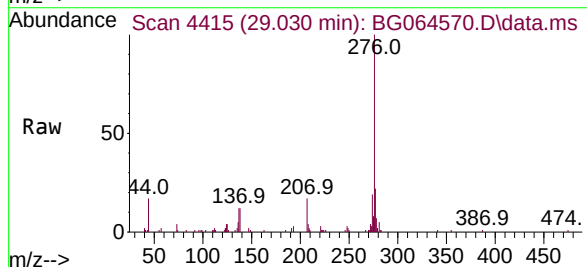
RT: 29.030 min Scan# 4415

Delta R.T. -0.031 min

Lab File: BG064570.D

Acq: 24 Oct 2025 9:41

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



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

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Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:10:56 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.218	152	36324	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	151627	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	117618	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	300549	20.000	ng	0.00
76) Chrysene-d12	21.855	240	343958	20.000	ng	0.00
86) Perylene-d12	25.198	264	354939	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	43837	20.257	ng	0.00
7) Phenol-d6	7.348	99	60084	20.233	ng	0.00
23) Nitrobenzene-d5	9.381	82	43376	17.182	ng	0.00
42) 2,4,6-Tribromophenol	16.314	330	31236	18.400	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	163340	21.050	ng	0.00
79) Terphenyl-d14	20.168	244	385094	21.129	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.588	88	10545	11.006	ng	97
3) Pyridine	3.999	79	29199	10.148	ng	95
4) n-Nitrosodimethylamine	3.905	42	16561	10.733	ng	# 92
6) Aniline	7.530	93	42134	10.427	ng	97
8) 2-Chlorophenol	7.777	128	21922	9.678	ng	96
9) Benzaldehyde	7.342	77	17117	10.558	ng	94
10) Phenol	7.372	94	33058	10.066	ng	87
11) bis(2-Chloroethyl)ether	7.530	93	42134	10.427	ng	100
12) 1,3-Dichlorobenzene	8.112	146	27537	10.562	ng	98
13) 1,4-Dichlorobenzene	8.253	146	28081	10.593	ng	91
14) 1,2-Dichlorobenzene	8.576	146	27577	10.785	ng	96
15) Benzyl Alcohol	8.447	79	23263	9.500	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.741	45	65452	10.334	ng	97
17) 2-Methylphenol	8.441	107	12176	9.947	ng	91
18) Hexachloroethane	9.322	117	9723	10.452	ng	93
19) n-Nitroso-di-n-propyla...	9.017	70	20724	10.098	ng	# 98
20) 3+4-Methylphenols	8.970	107	30009	9.786	ng	95
22) Acetophenone	9.040	105	42851	10.338	ng	# 93
24) Nitrobenzene	9.422	77	23618	8.602	ng	98
25) Isophorone	9.951	82	60347	9.962	ng	98
26) 2-Nitrophenol	10.139	139	7208	9.491	ng	# 91
27) 2,4-Dimethylphenol	10.192	122	22259	9.685	ng	96
28) bis(2-Chloroethoxy)met...	10.433	93	35170	10.197	ng	98
29) 2,4-Dichlorophenol	10.680	162	22643	9.338	ng	94
30) 1,2,4-Trichlorobenzene	10.903	180	27947	10.143	ng	93
31) Naphthalene	11.097	128	86750	10.319	ng	99
32) Benzoic acid	10.245	122	7890m	11.001	ng	
33) 4-Chloroaniline	11.185	127	34581	10.583	ng	97
34) Hexachlorobutadiene	11.390	225	22099	10.256	ng	95
35) Caprolactam	11.931	113	8521	9.162	ng	92
36) 4-Chloro-3-methylphenol	12.289	107	28904	9.916	ng	98
37) 2-Methylnaphthalene	12.689	142	65070	10.543	ng	95
38) 1-Methylnaphthalene	12.906	142	64384	10.601	ng	95
40) 1,2,4,5-Tetrachloroben...	13.053	216	40253	10.197	ng	98
41) Hexachlorocyclopentadiene	13.036	237	15733	8.855	ng	97
43) 2,4,6-Trichlorophenol	13.276	196	19584	8.673	ng	91

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 :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:10:56 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

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

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

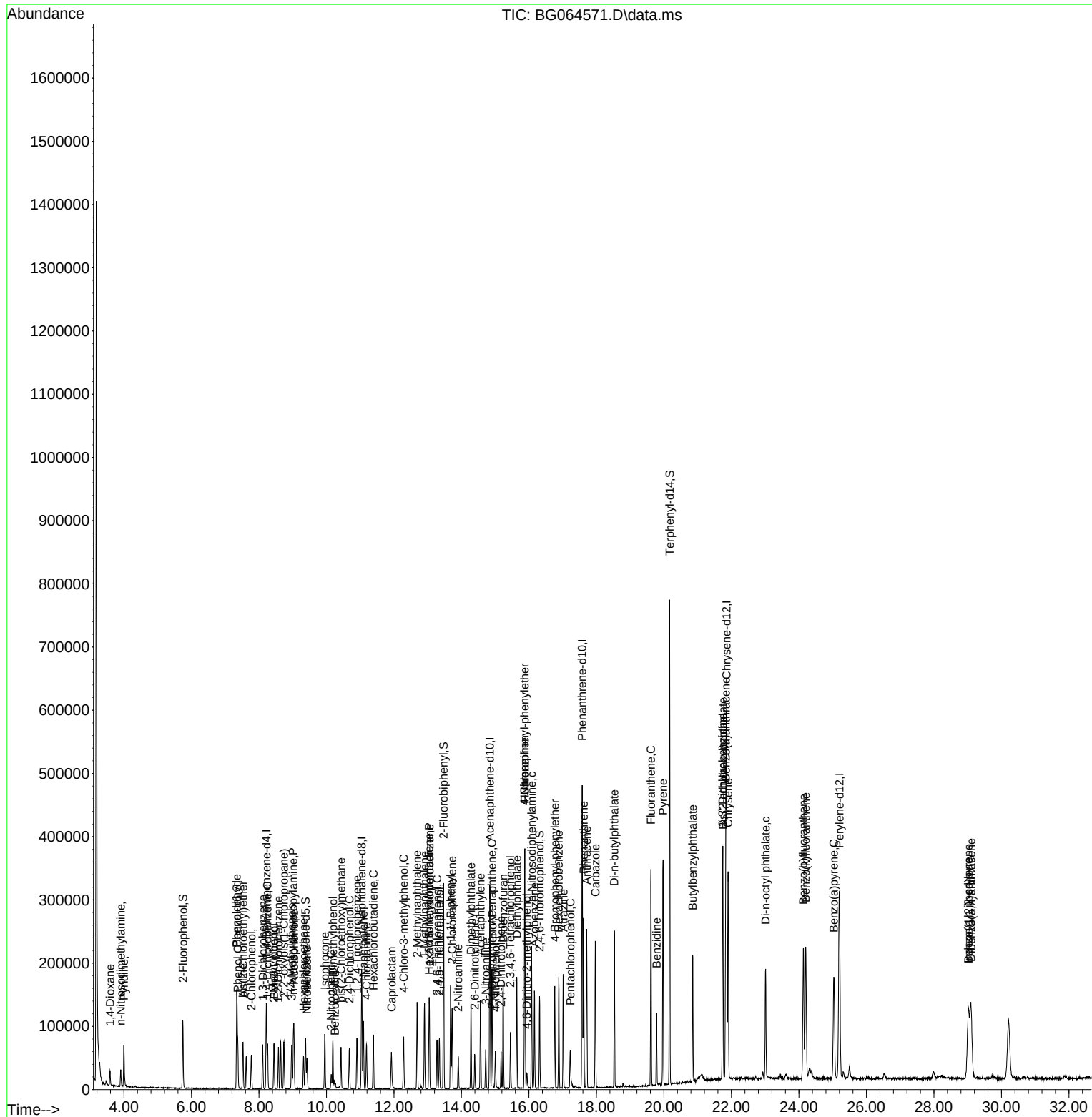

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Acq On    : 24 Oct 2025  11:02  
Operator  : RC/JU  
Sample    : SSTDICC010  
Misc      :  
ALS Vial  : 4    Sample Multiplier: 1
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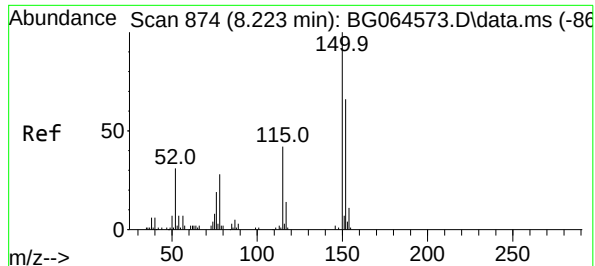
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BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

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

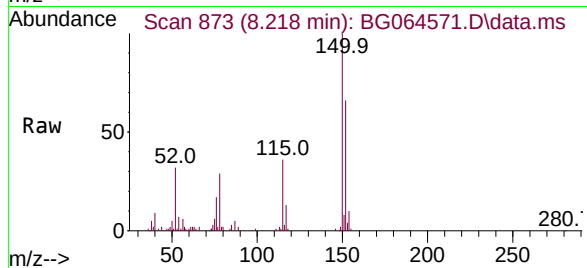
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

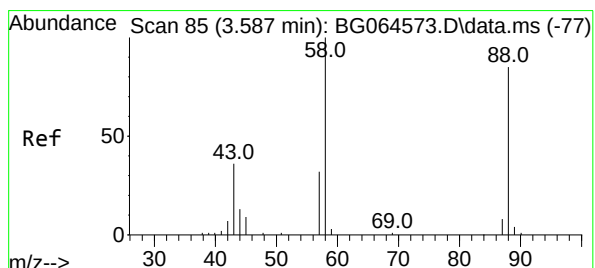
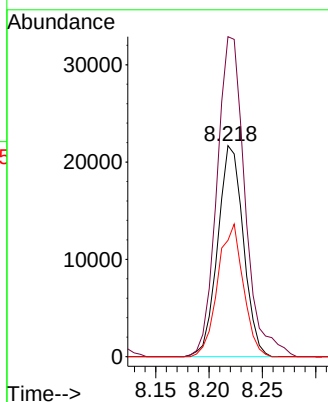
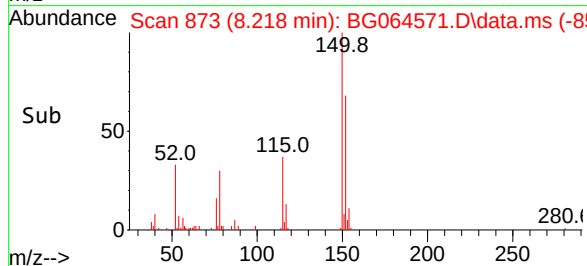
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:152 Resp: 36324
Ion Ratio Lower Upper
152 100
150 151.7 122.2 183.4
115 55.1 50.8 76.2

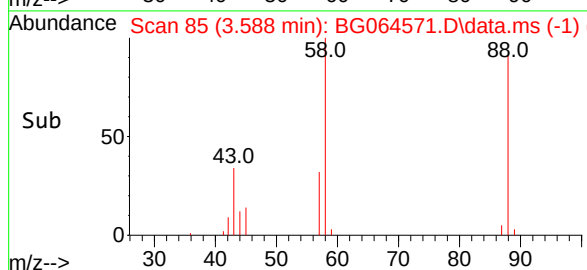
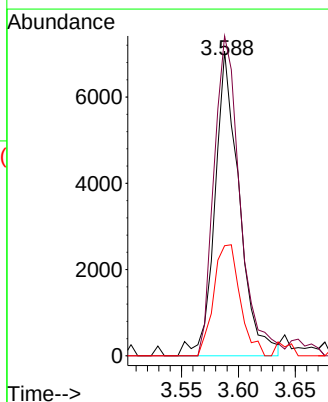
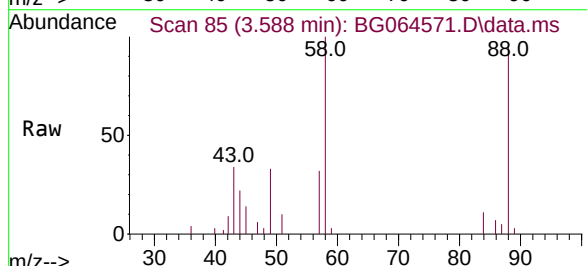
Manual Integrations
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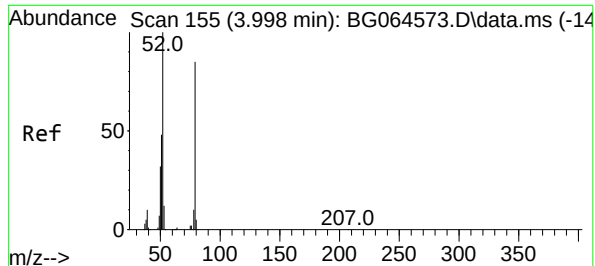
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

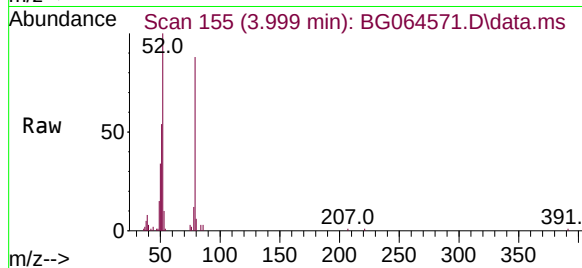
Tgt Ion: 88 Resp: 10545
Ion Ratio Lower Upper
88 100
58 112.0 92.4 138.6
43 39.4 33.0 49.6





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

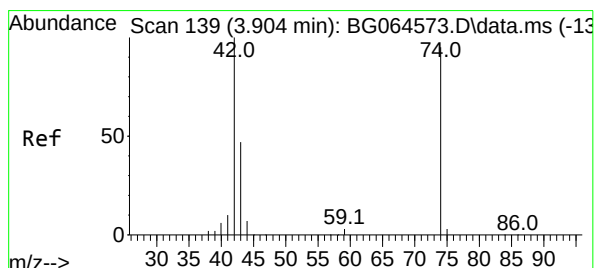
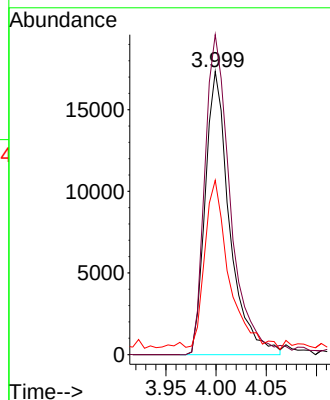
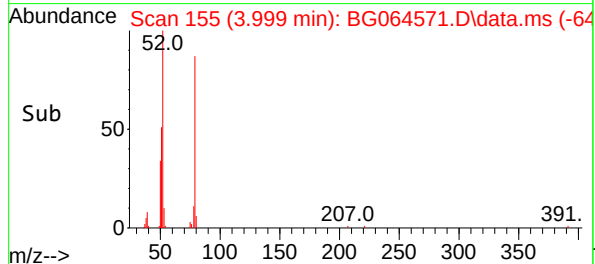
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion: 79 Resp: 29199
Ion Ratio Lower Upper
79 100
52 113.0 94.2 141.2
51 61.6 46.1 69.1

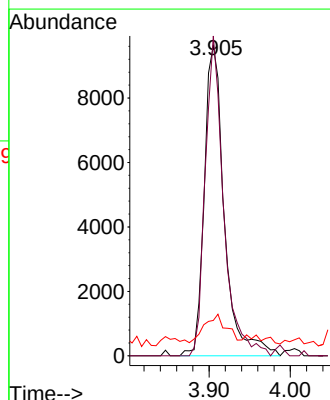
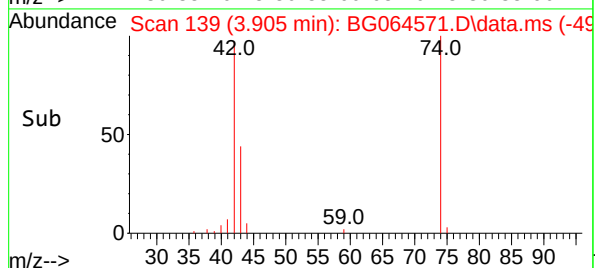
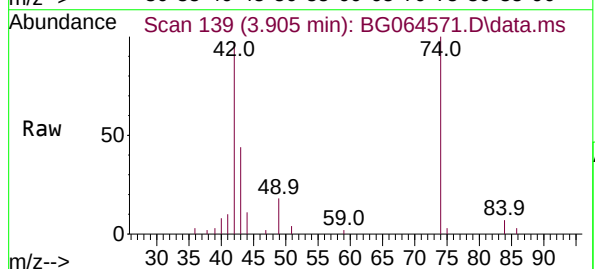
Manual Integrations
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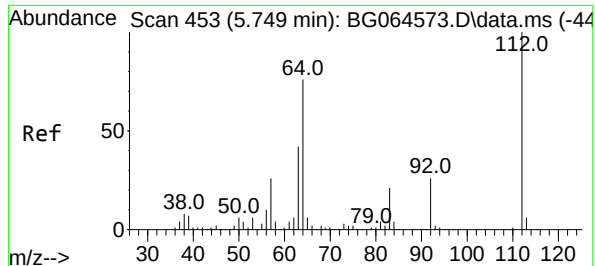
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

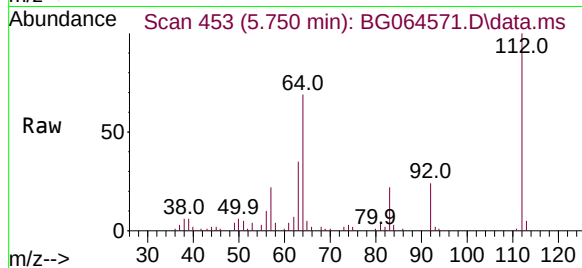
Tgt Ion: 42 Resp: 16561
Ion Ratio Lower Upper
42 100
74 103.1 76.1 114.1
44 11.4 6.3 9.5#





#5
2-Fluorophenol
Concen: 20.257 ng
RT: 5.750 min Scan# 453
Delta R.T. 0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

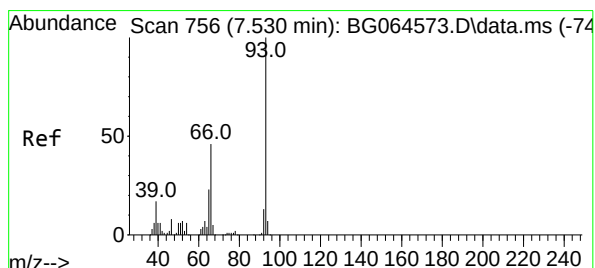
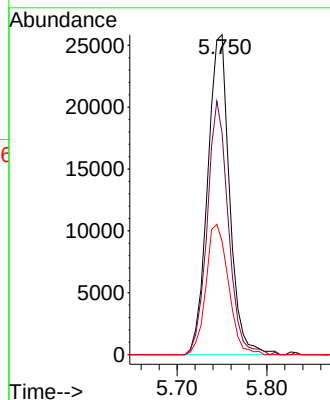
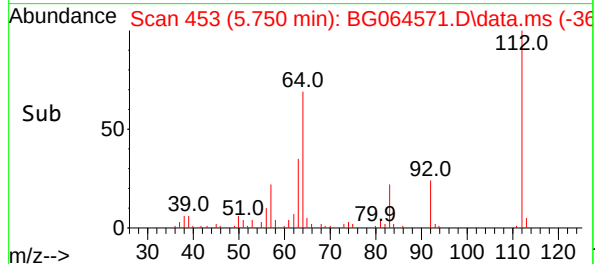
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



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

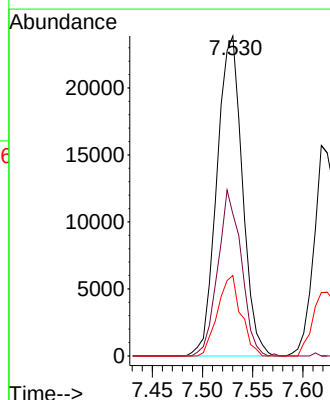
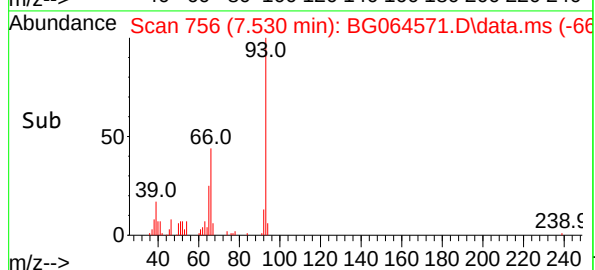
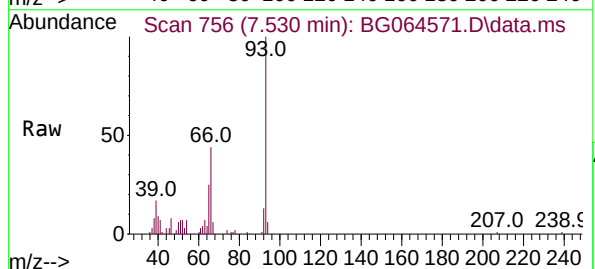
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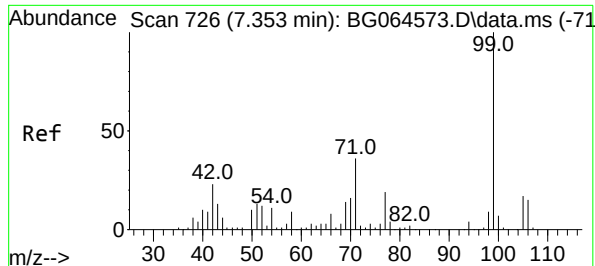
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion: 93 Resp: 42134
Ion Ratio Lower Upper
93 100
66 44.4 37.0 55.6
65 25.1 18.3 27.5





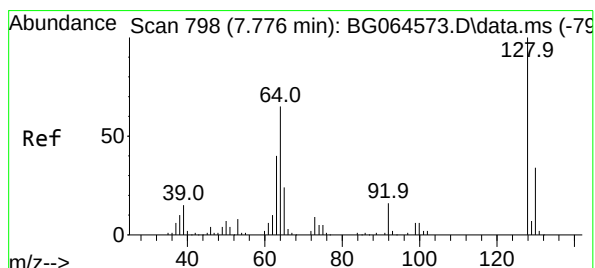
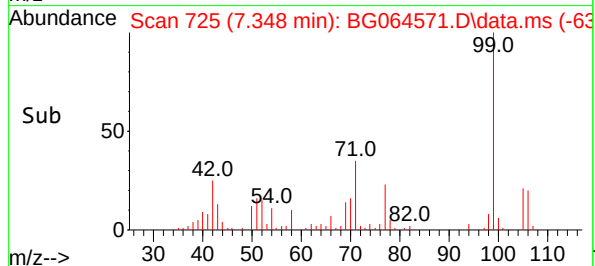
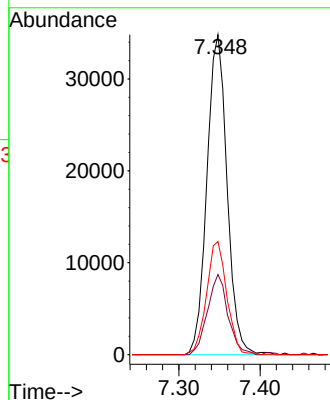
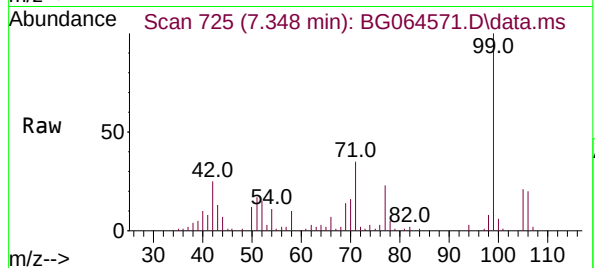
#7
Phenol-d6
Concen: 20.233 ng
RT: 7.348 min Scan# 71
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 60084
Ion Ratio Lower Upper
99 100
42 25.0 18.3 27.5
71 35.3 28.6 43.0

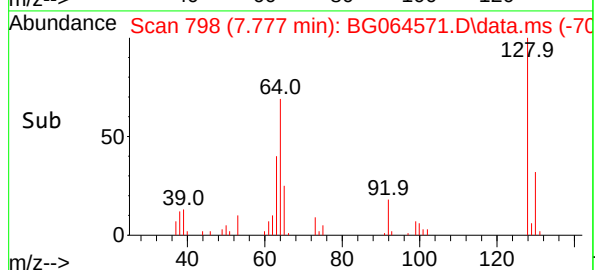
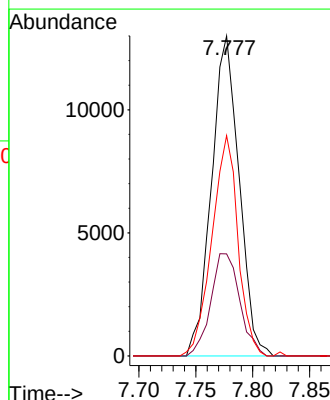
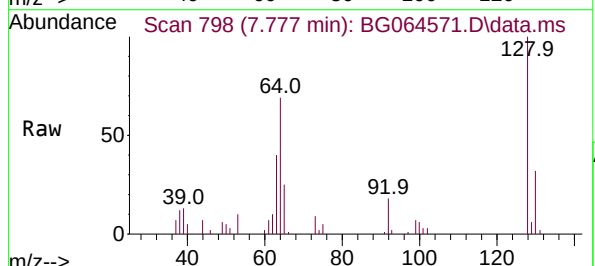
Manual Integrations
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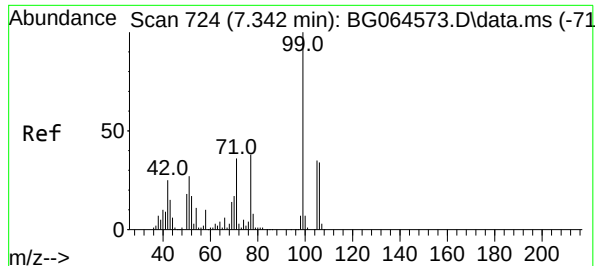
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:128 Resp: 21922
Ion Ratio Lower Upper
128 100
130 31.9 13.5 53.5
64 68.8 45.2 85.2





#9

Benzaldehyde

Concen: 10.558 ng

RT: 7.342 min Scan# 711

Delta R.T. 0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion: 77 Resp: 1711

Ion Ratio Lower Upper

77 100

105 96.5 72.9 112.9

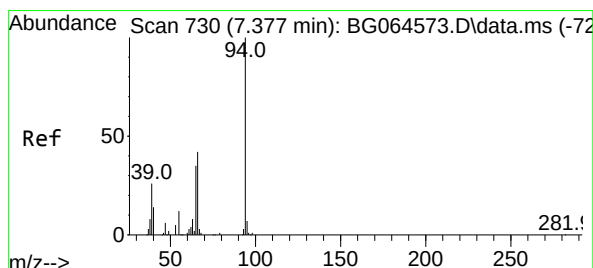
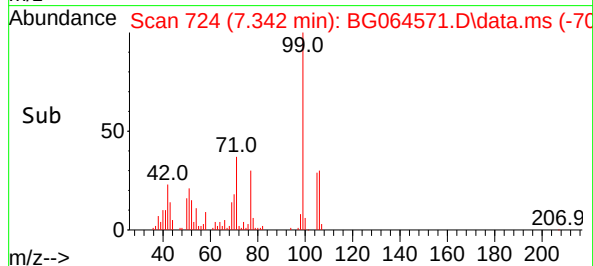
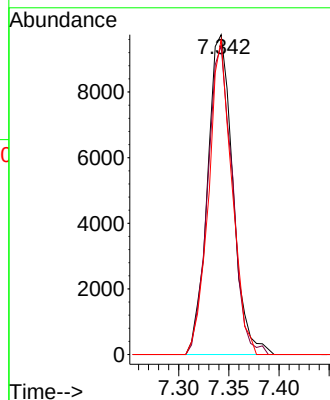
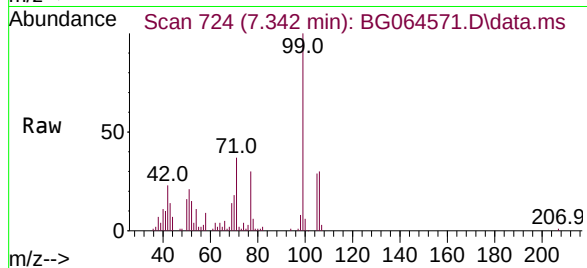
106 98.4 70.8 110.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#10

Phenol

Concen: 10.066 ng

RT: 7.372 min Scan# 729

Delta R.T. -0.015 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

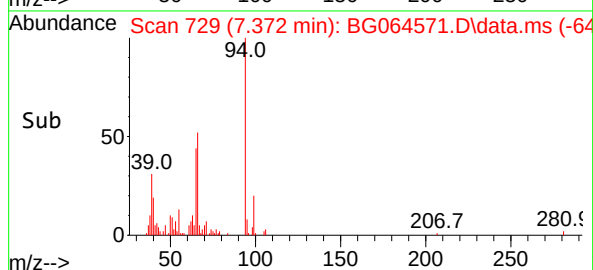
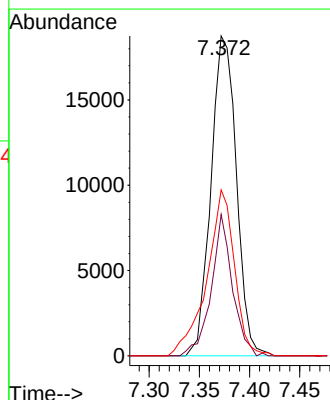
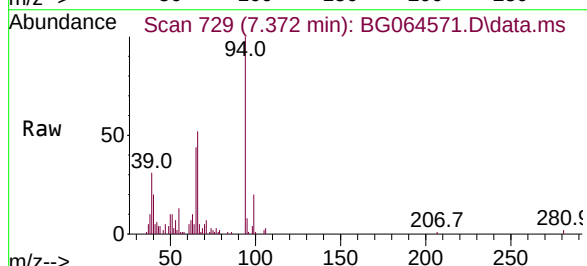
Tgt Ion: 94 Resp: 33058

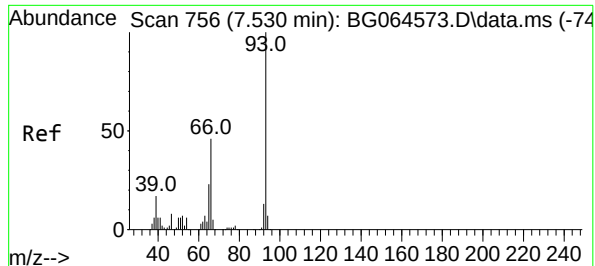
Ion Ratio Lower Upper

94 100

65 44.2 15.8 55.8

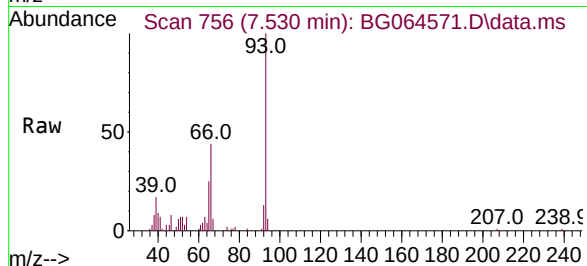
66 51.9 24.0 64.0





#11
bis(2-Chloroethyl)ether
Concen: 10.427 ng
RT: 7.530 min Scan# 756
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

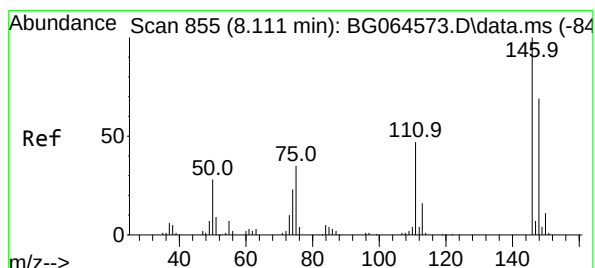
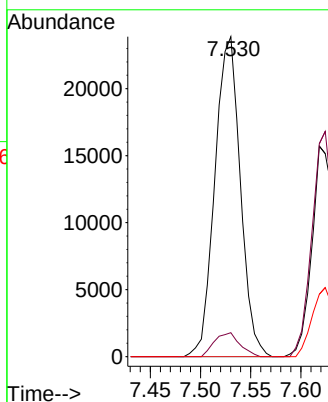
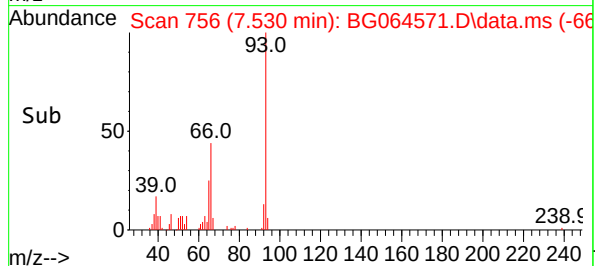
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion: 93 Resp: 42134
Ion Ratio Lower Upper
93 100
63 7.5 0.0 27.4
95 0.0 0.0 20.2

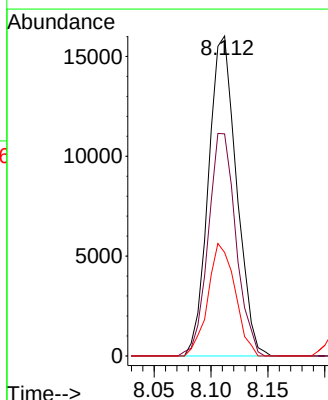
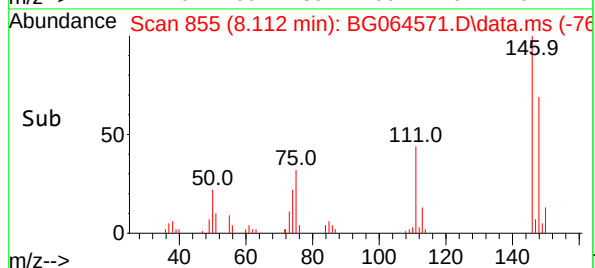
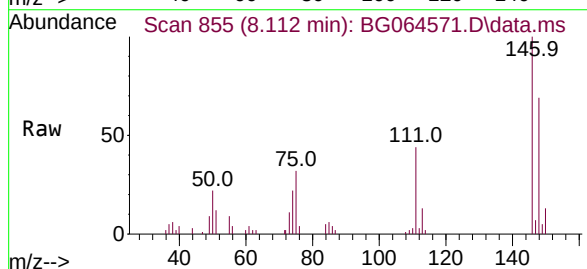
Manual Integrations
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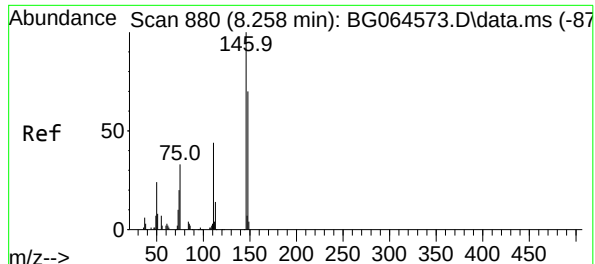
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:146 Resp: 27537
Ion Ratio Lower Upper
146 100
148 69.4 55.3 82.9
75 32.3 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 10.593 ng

RT: 8.253 min Scan# 81

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion:146 Resp: 2808

Ion Ratio Lower Upper

146 100

148 62.8 56.2 84.4

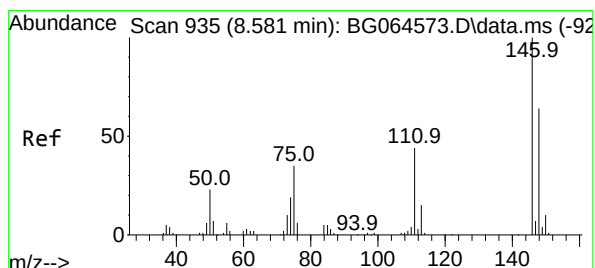
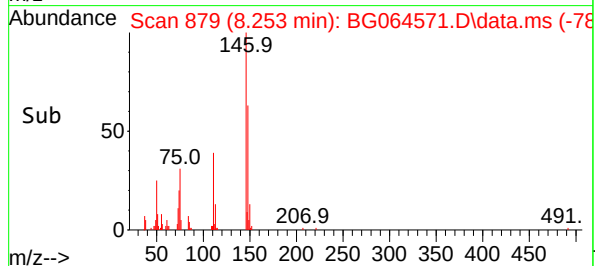
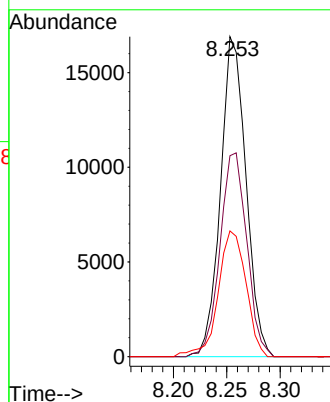
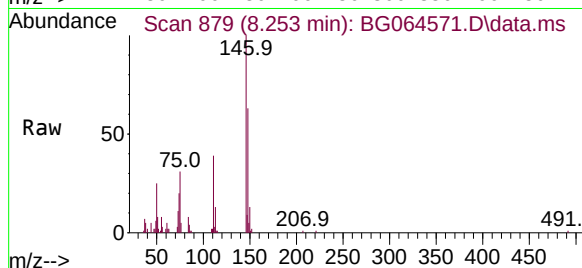
111 39.3 35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#14

1,2-Dichlorobenzene

Concen: 10.785 ng

RT: 8.576 min Scan# 934

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

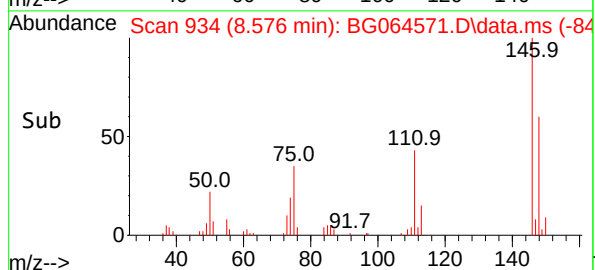
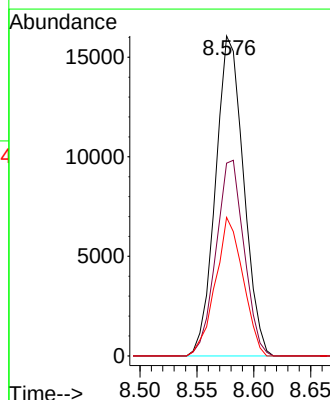
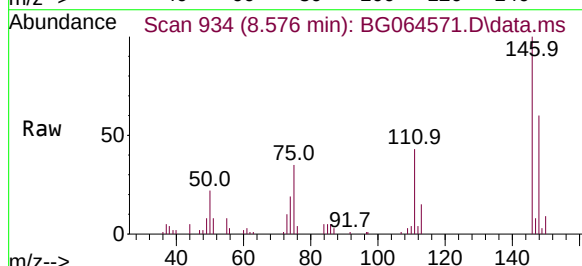
Tgt Ion:146 Resp: 27577

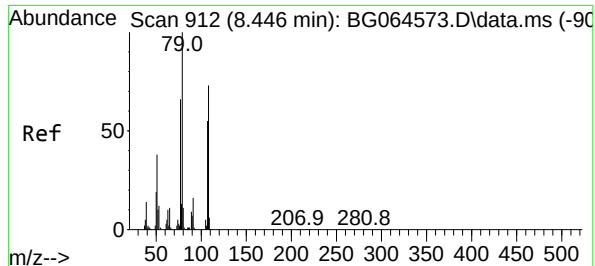
Ion Ratio Lower Upper

146 100

148 60.2 51.5 77.3

111 43.3 35.0 52.6





#15

Benzyl Alcohol

Concen: 9.500 ng

RT: 8.447 min Scan# 912

Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion: 79 Resp: 23263

Ion Ratio Lower Upper

79 100

108 76.3 58.1 87.1

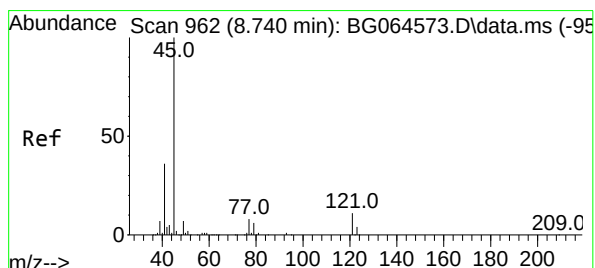
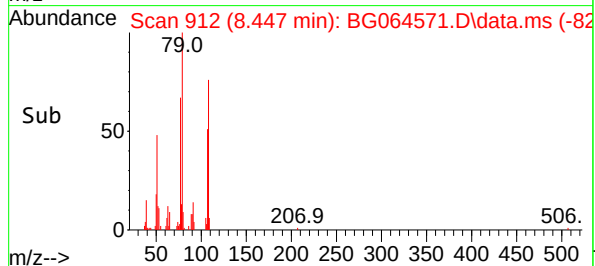
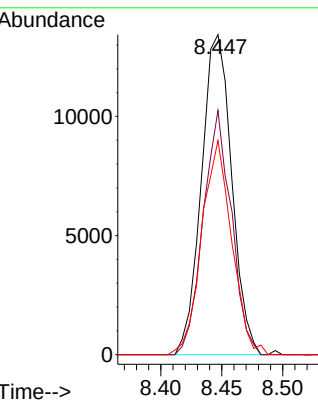
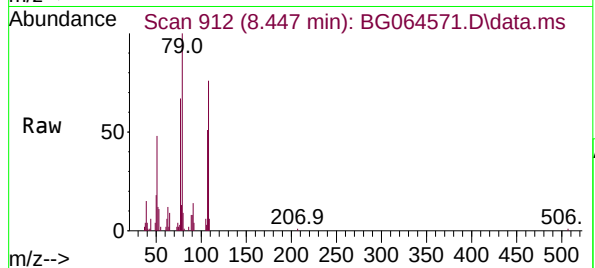
77 66.9 52.8 79.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.334 ng

RT: 8.741 min Scan# 962

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

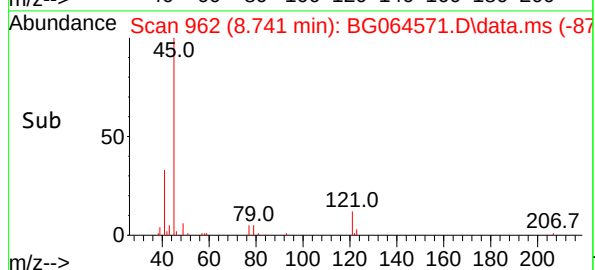
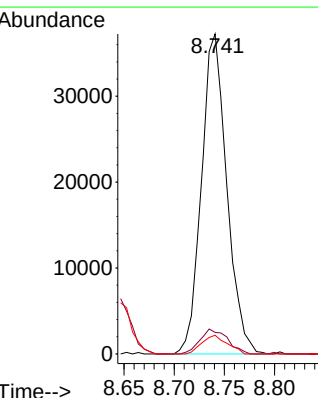
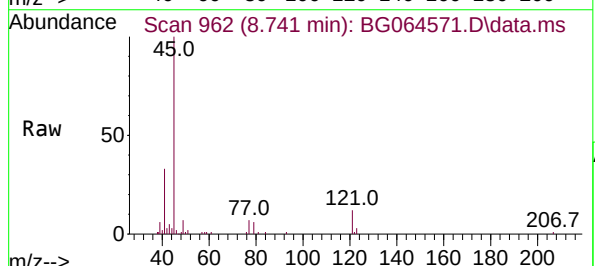
Tgt Ion: 45 Resp: 65452

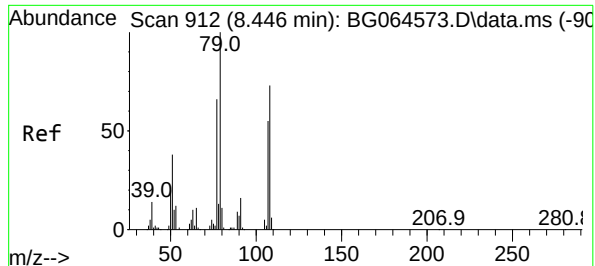
Ion Ratio Lower Upper

45 100

77 6.7 0.0 28.5

79 5.8 0.0 25.6





#17

2-Methylphenol

Concen: 9.947 ng

RT: 8.441 min Scan# 911

Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion:107 Resp: 12176

Ion Ratio Lower Upper

107 100

108 117.1 106.4 159.6

77 105.6 96.7 145.1

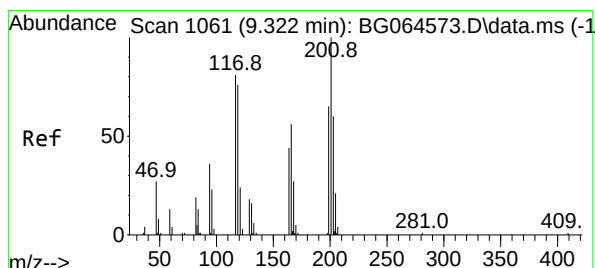
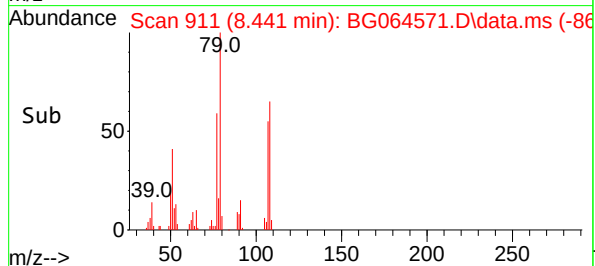
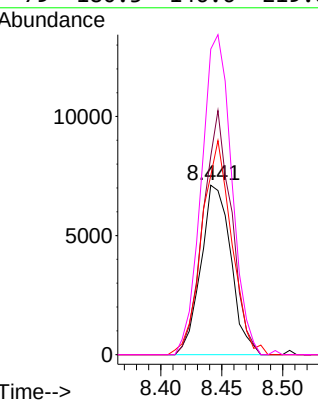
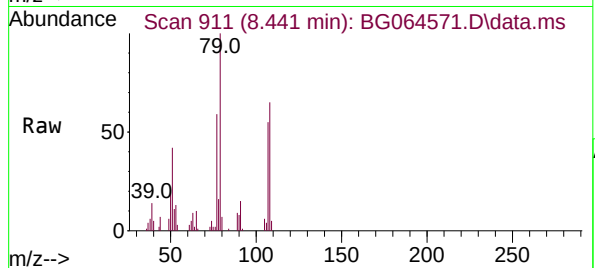
79 180.3 146.6 219.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#18

Hexachloroethane

Concen: 10.452 ng

RT: 9.322 min Scan# 1061

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

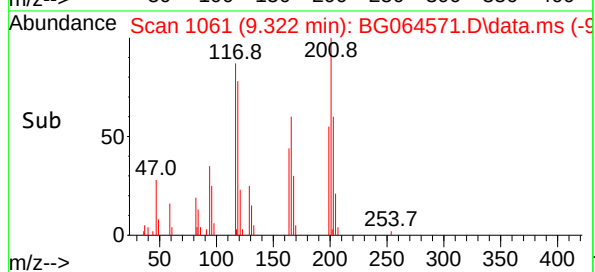
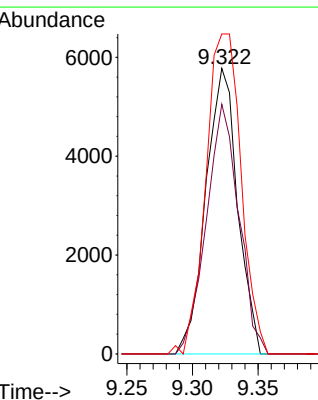
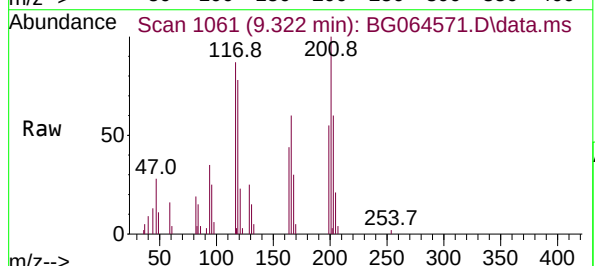
Tgt Ion:117 Resp: 9723

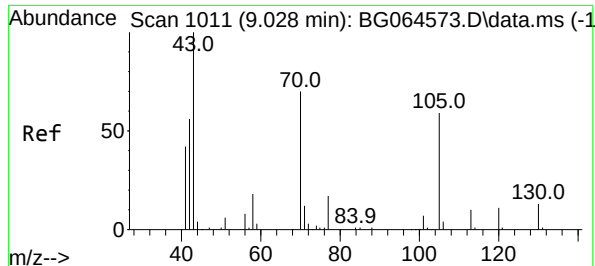
Ion Ratio Lower Upper

117 100

119 87.5 75.4 113.2

201 115.2 99.2 148.8





#19

n-Nitroso-di-n-propylamine

Concen: 10.098 ng

RT: 9.017 min Scan# 1009

Delta R.T. -0.015 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion: 70 Resp: 20724

Ion Ratio Lower Upper

70 100

42 80.3 65.2 97.8

101 7.6 7.9 11.9

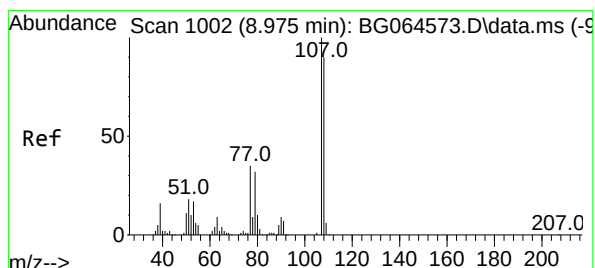
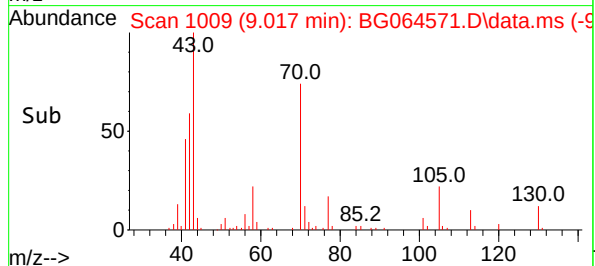
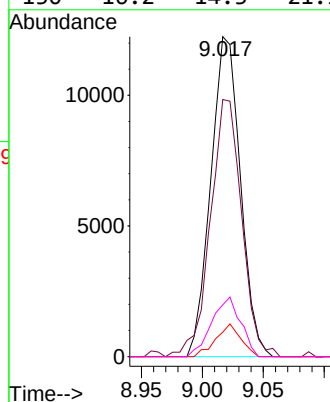
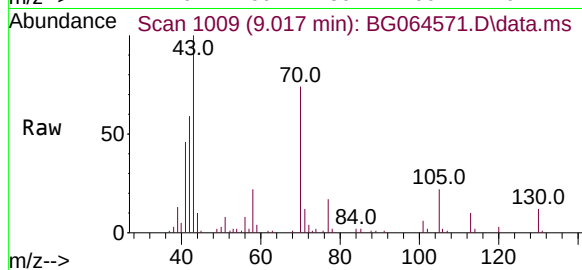
130 16.2 14.3 21.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#20

3+4-Methylphenols

Concen: 9.786 ng

RT: 8.970 min Scan# 1001

Delta R.T. -0.015 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Tgt Ion:107 Resp: 30009

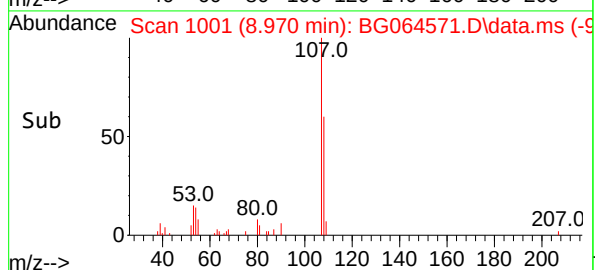
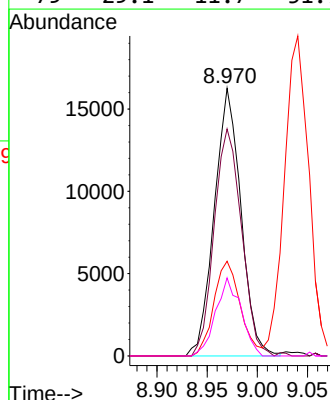
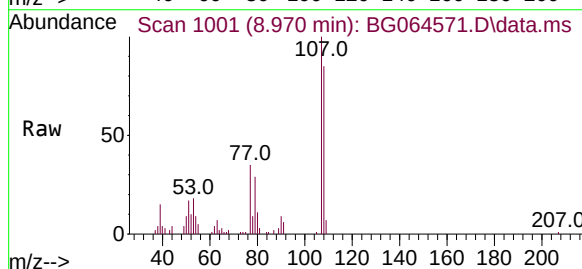
Ion Ratio Lower Upper

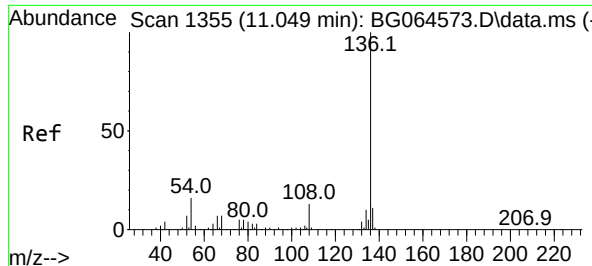
107 100

108 84.8 70.3 110.3

77 35.4 14.6 54.6

79 29.1 11.7 51.7





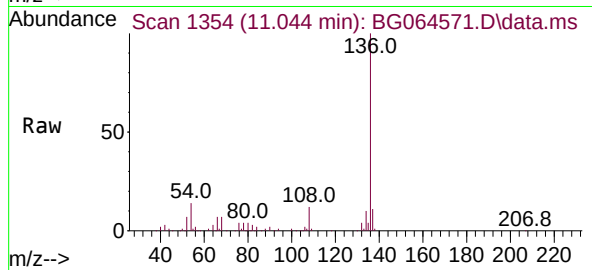
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1355
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

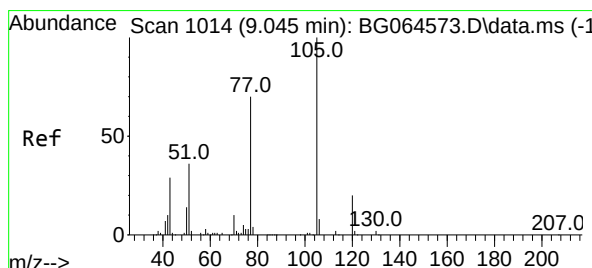
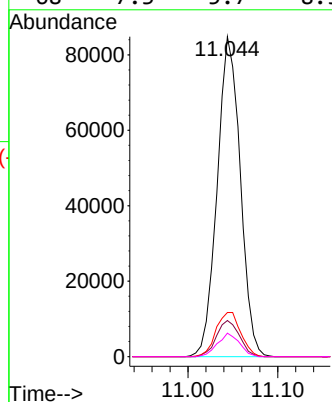
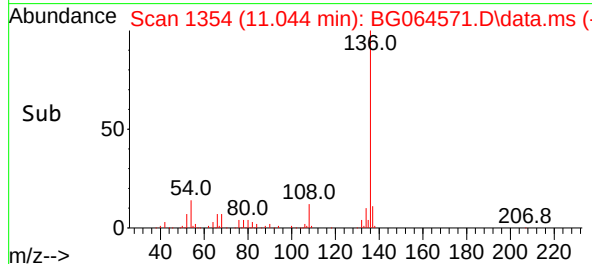


Tgt Ion:136 Resp: 151627
Ion Ratio Lower Upper
136 100
137 11.3 9.2 13.8
54 13.8 12.6 19.0
68 7.3 5.7 8.5

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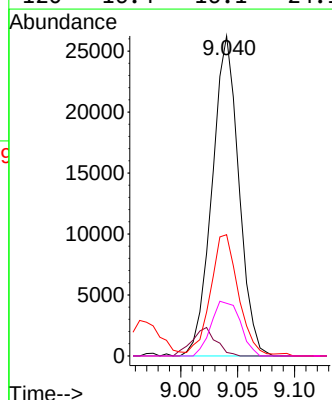
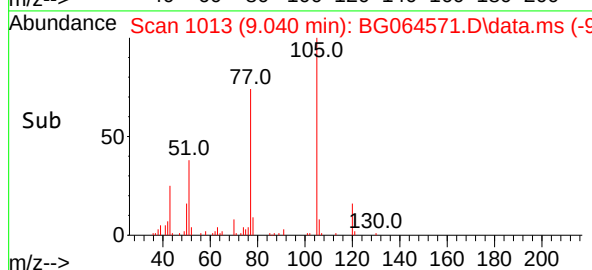
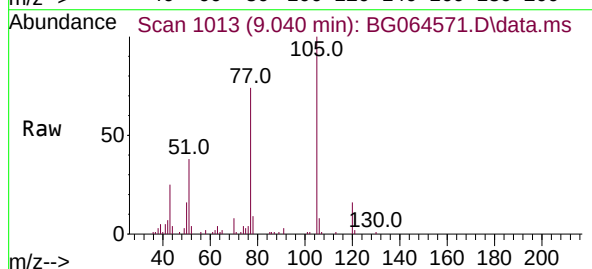
APPROVED

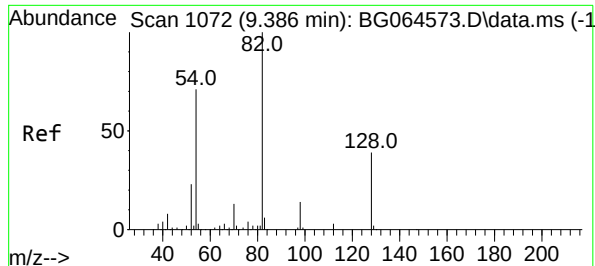
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:105 Resp: 42851
Ion Ratio Lower Upper
105 100
71 1.1 1.5 2.3#
51 37.9 33.7 50.5
120 16.4 16.1 24.1





#23

Nitrobenzene-d5

Concen: 17.182 ng

RT: 9.381 min Scan# 1072

Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion: 82 Resp: 43376

Ion Ratio Lower Upper

82 100

128 37.2 31.3 46.9

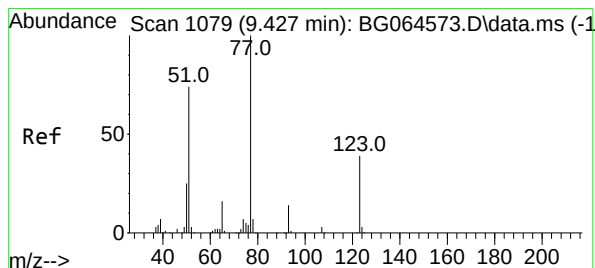
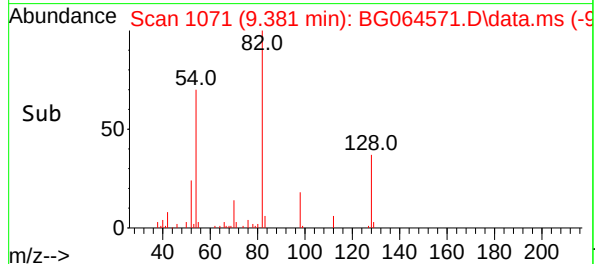
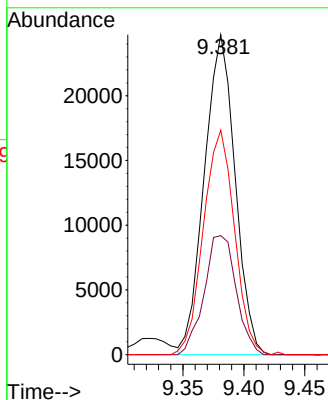
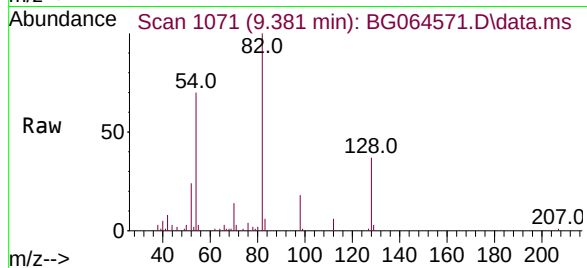
54 70.1 56.6 84.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#24

Nitrobenzene

Concen: 8.602 ng

RT: 9.422 min Scan# 1078

Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

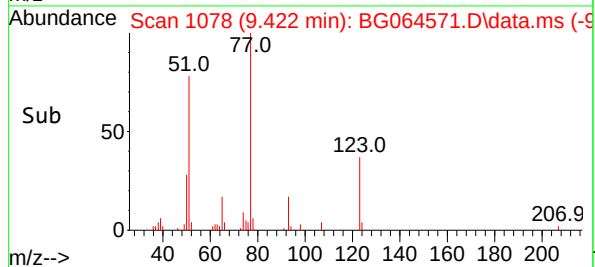
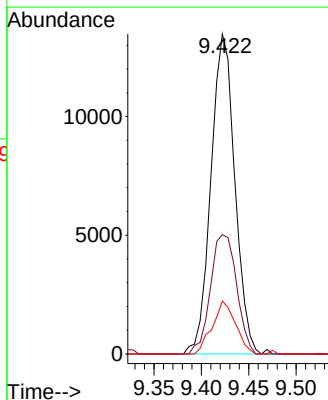
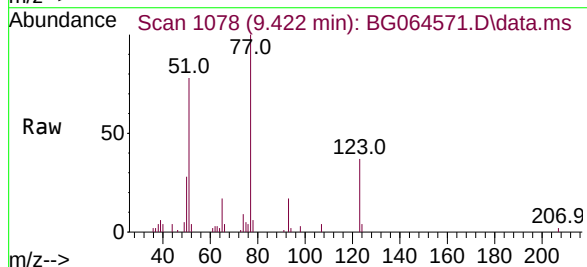
Tgt Ion: 77 Resp: 23618

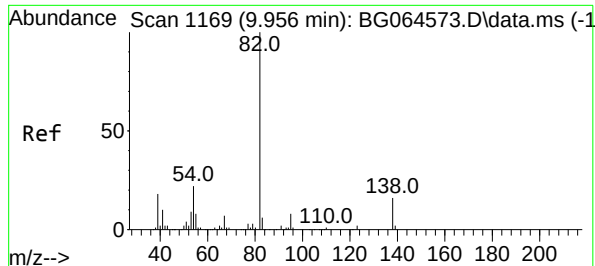
Ion Ratio Lower Upper

77 100

123 37.3 31.0 46.6

65 16.5 12.7 19.1





#25

Isophorone

Concen: 9.962 ng

RT: 9.951 min Scan# 1168

Delta R.T. -0.015 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

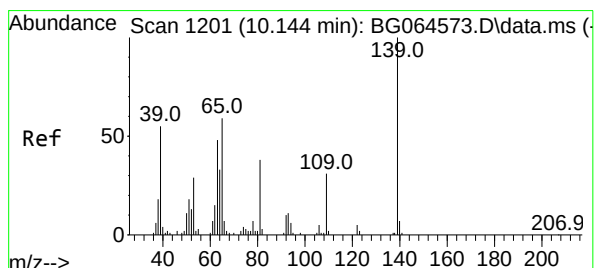
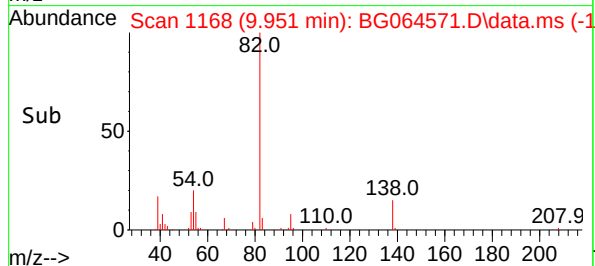
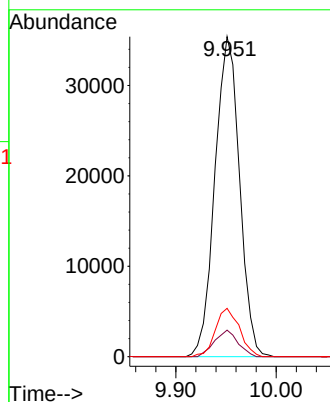
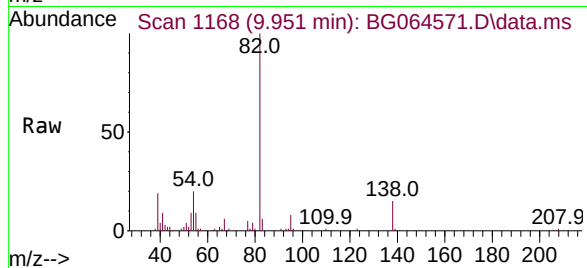
Tgt Ion:	82	Resp:	6034
Ion	Ratio	Lower	Upper
82	100		
95	8.3	6.1	9.1
138	15.1	13.0	19.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#26

2-Nitrophenol

Concen: 9.491 ng

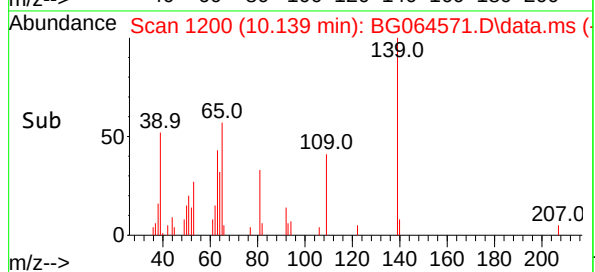
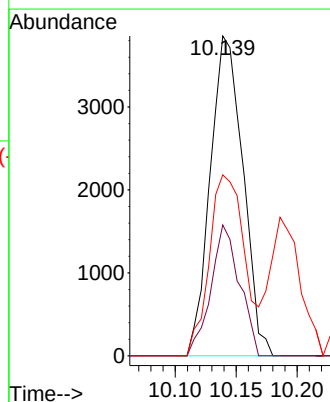
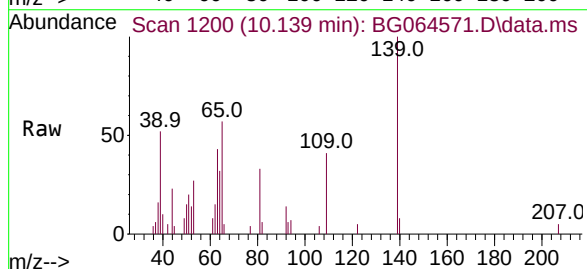
RT: 10.139 min Scan# 1200

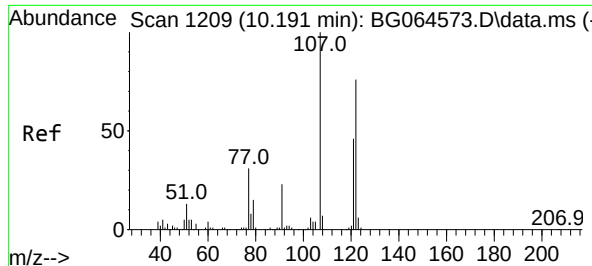
Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

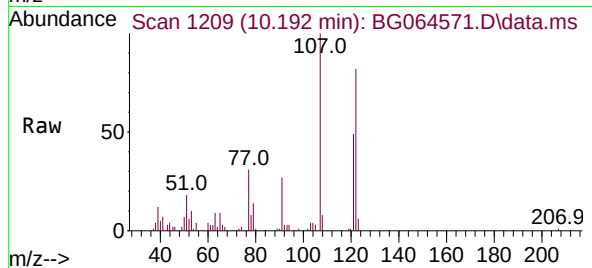
Tgt Ion:	139	Resp:	7208
Ion	Ratio	Lower	Upper
139	100		
109	40.9	24.6	37.0
65	56.6	47.5	71.3





#27
2,4-Dimethylphenol
Concen: 9.685 ng
RT: 10.192 min Scan# 1209
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

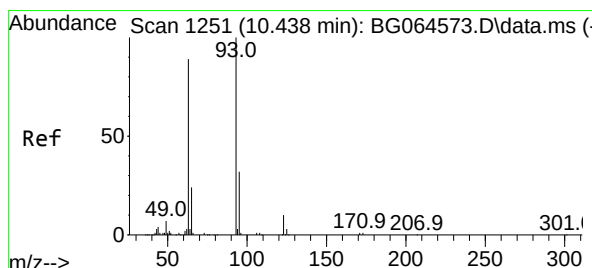
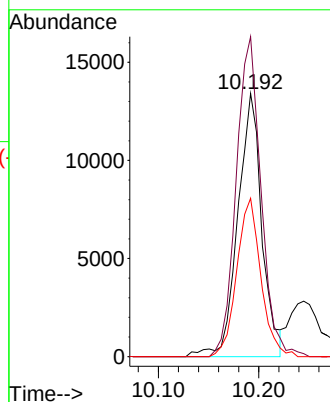
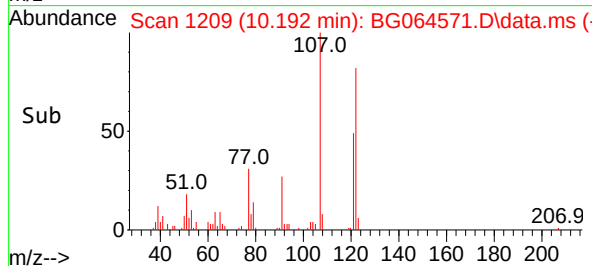
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:122 Resp: 22259
Ion Ratio Lower Upper
122 100
107 121.6 103.0 154.4
121 60.2 47.8 71.8

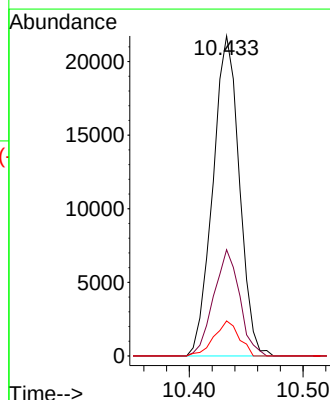
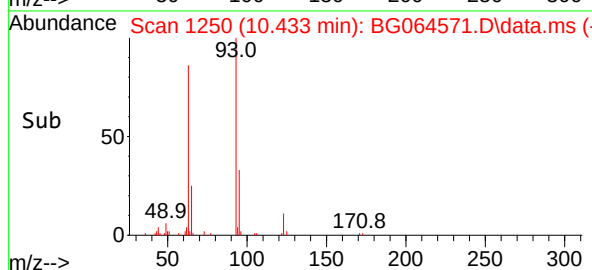
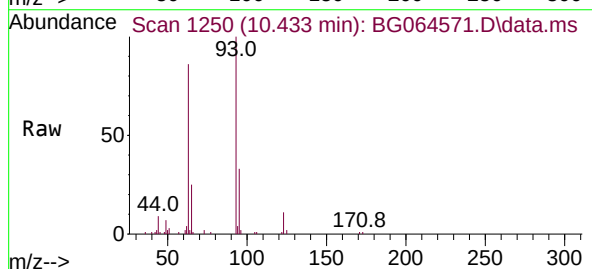
Manual Integrations
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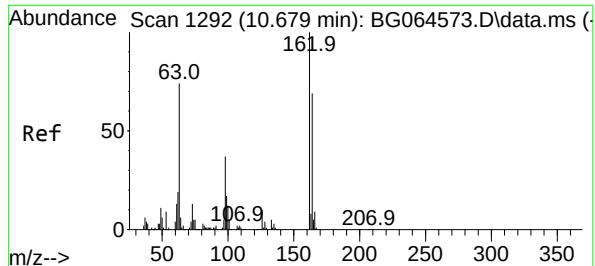
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion: 93 Resp: 35170
Ion Ratio Lower Upper
93 100
95 33.2 25.4 38.2
123 11.0 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 9.338 ng

RT: 10.680 min Scan# 1292

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion:162 Resp: 22643

Ion Ratio Lower Upper

162 100

164 64.0 48.7 88.7

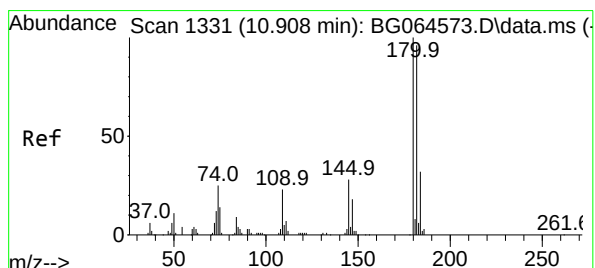
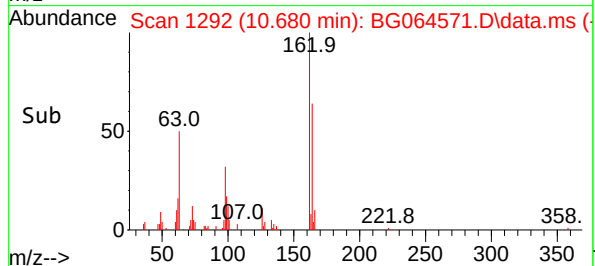
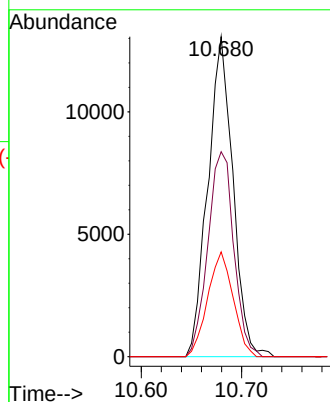
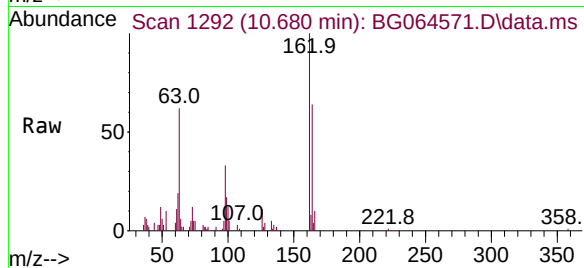
98 32.7 16.9 56.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#30

1,2,4-Trichlorobenzene

Concen: 10.143 ng

RT: 10.903 min Scan# 1330

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

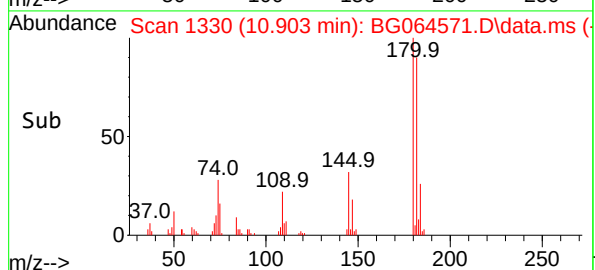
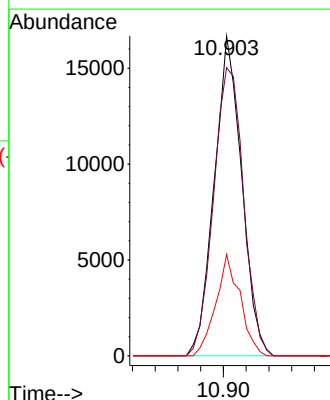
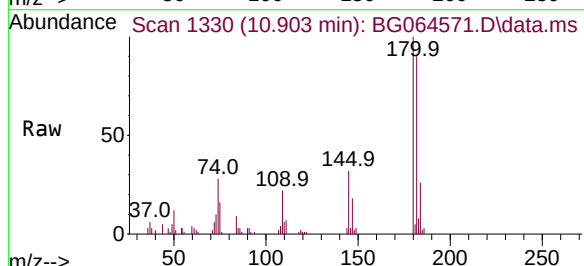
Tgt Ion:180 Resp: 27947

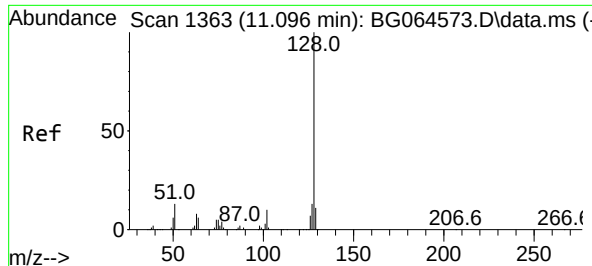
Ion Ratio Lower Upper

180 100

182 90.1 76.9 115.3

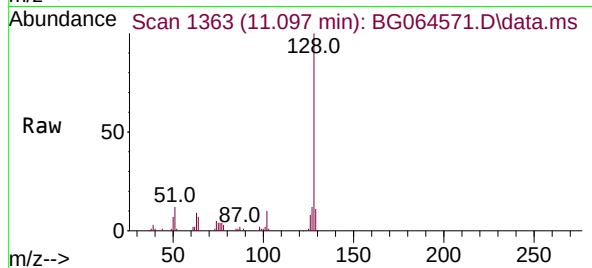
145 31.7 22.1 33.1





#31
Naphthalene
Concen: 10.319 ng
RT: 11.097 min Scan# 1363
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

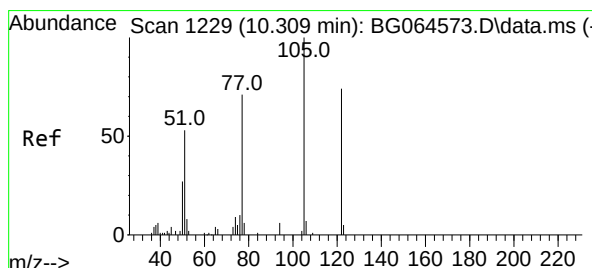
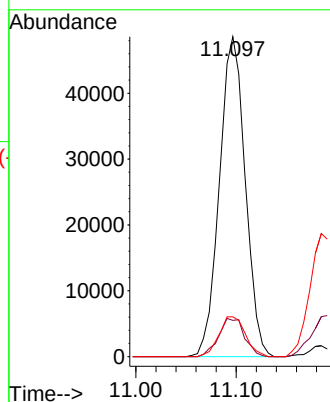
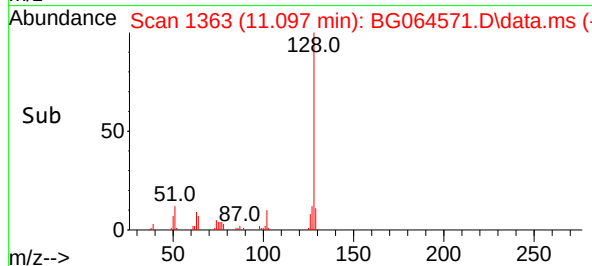
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:128 Resp: 86750
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 12.4 10.6 15.8

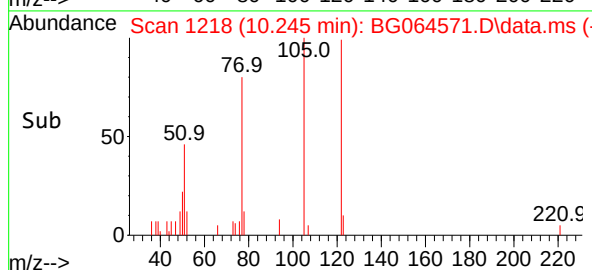
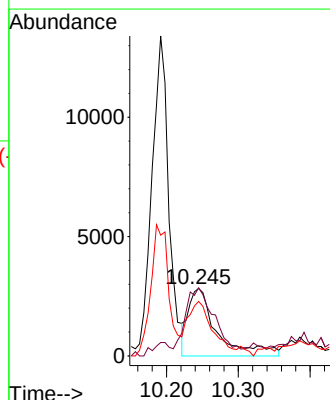
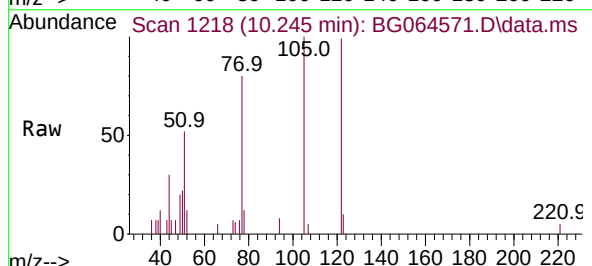
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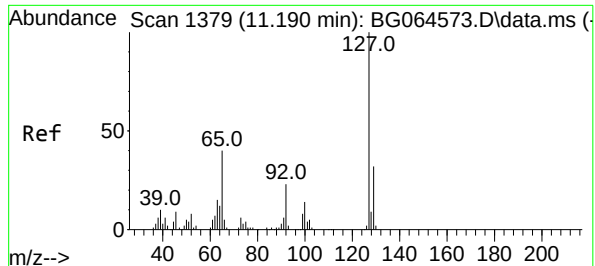
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:122 Resp: 7890
Ion Ratio Lower Upper
122 100
105 100.8 104.2 144.2#
77 80.6 70.2 110.2





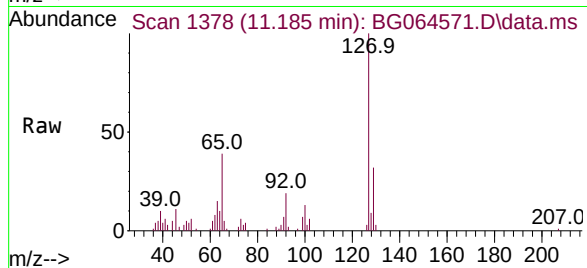
#33
4-Chloroaniline
Concen: 10.583 ng
RT: 11.185 min Scan# 1379
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

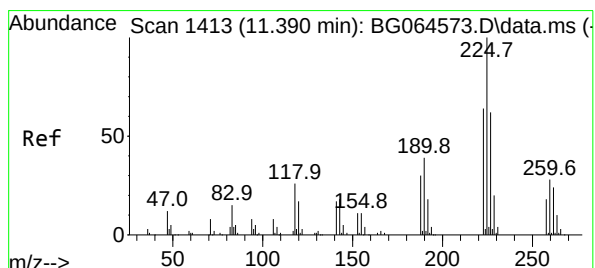
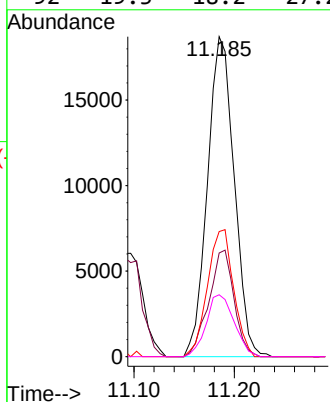
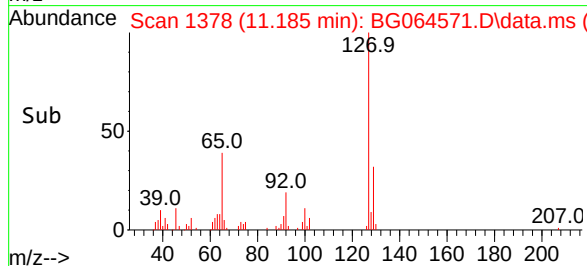


Tgt Ion:127 Resp: 34581
Ion Ratio Lower Upper
127 100
129 32.4 25.5 38.3
65 39.1 32.2 48.4
92 19.3 18.2 27.2

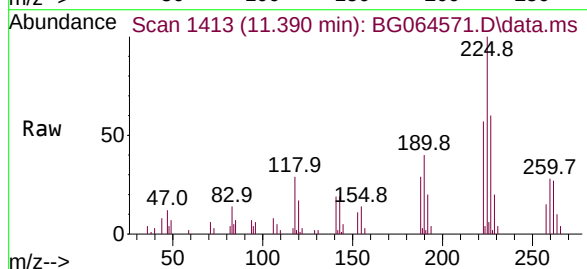
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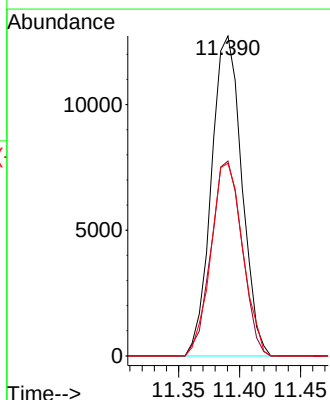
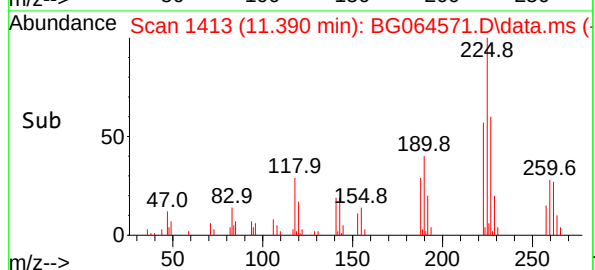
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

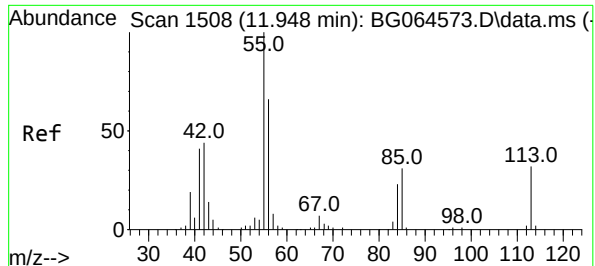


#34
Hexachlorobutadiene
Concen: 10.256 ng
RT: 11.390 min Scan# 1413
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02



Tgt Ion:225 Resp: 22099
Ion Ratio Lower Upper
225 100
223 57.6 48.8 73.2
227 57.0 49.5 74.3





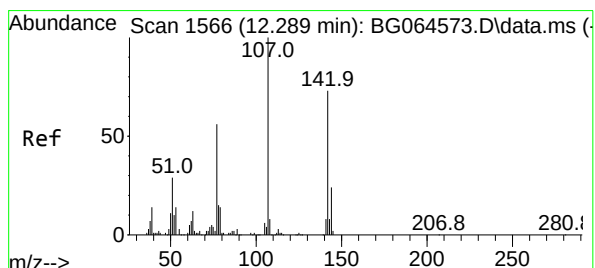
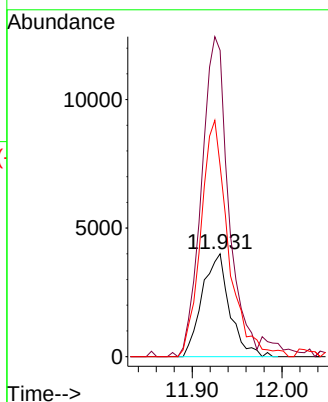
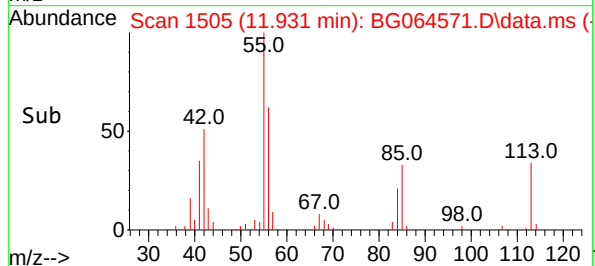
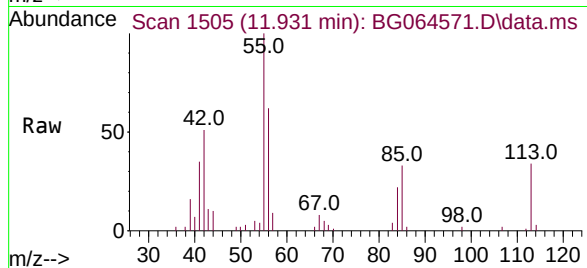
#35
Caprolactam
Concen: 9.162 ng
RT: 11.931 min Scan# 11
Delta R.T. -0.044 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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

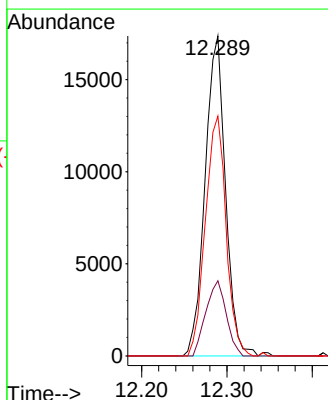
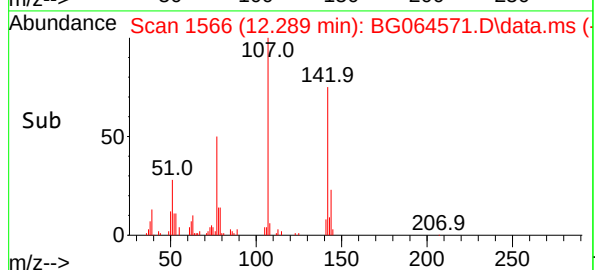
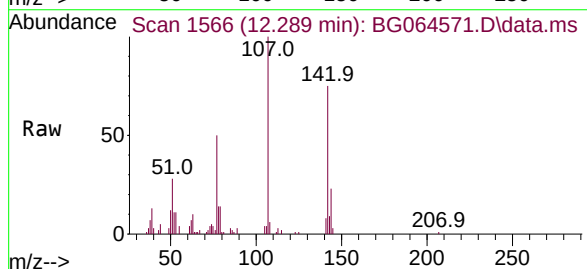
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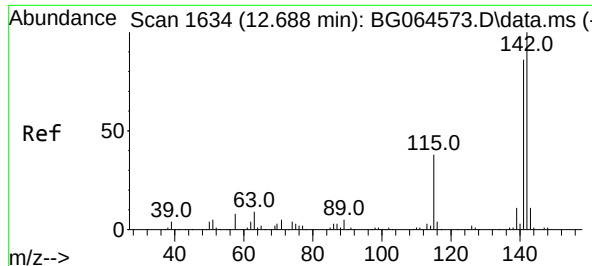
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

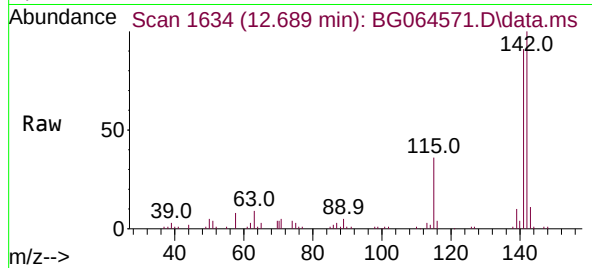
Tgt Ion:107 Resp: 28904
Ion Ratio Lower Upper
107 100
144 23.5 19.1 28.7
142 74.9 58.6 87.8





#37
2-Methylnaphthalene
Concen: 10.543 ng
RT: 12.689 min Scan# 1634
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

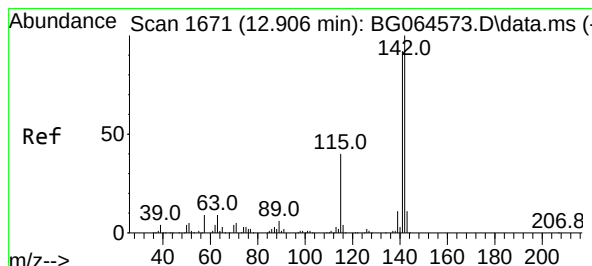
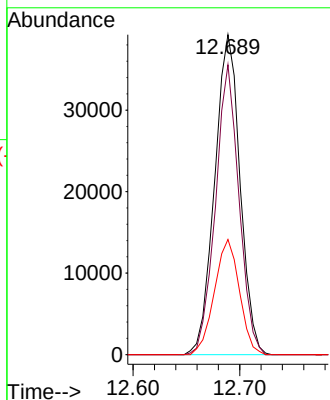
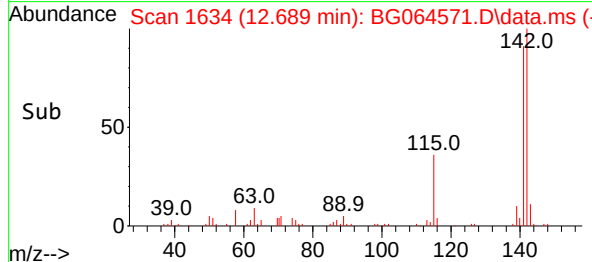
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



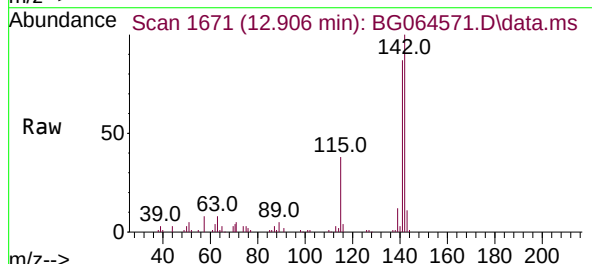
Tgt Ion:142 Resp: 65070
Ion Ratio Lower Upper
142 100
141 90.6 68.9 103.3
115 36.0 30.6 46.0

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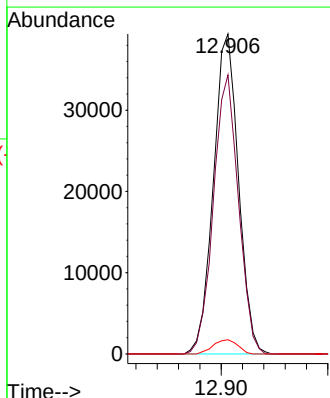
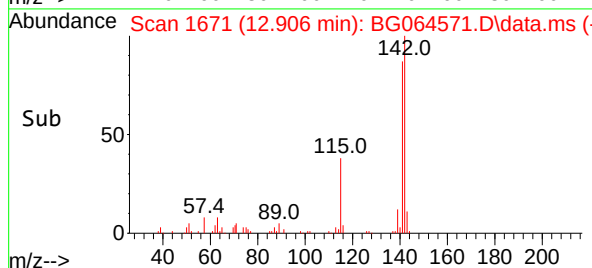
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

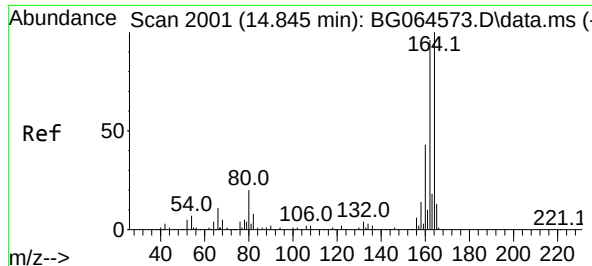


#38
1-Methylnaphthalene
Concen: 10.601 ng
RT: 12.906 min Scan# 1671
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02



Tgt Ion:142 Resp: 64384
Ion Ratio Lower Upper
142 100
141 87.2 73.3 109.9
116 4.4 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.839 min Scan# 2000

Delta R.T. -0.003 min

Lab File: BG064571.D

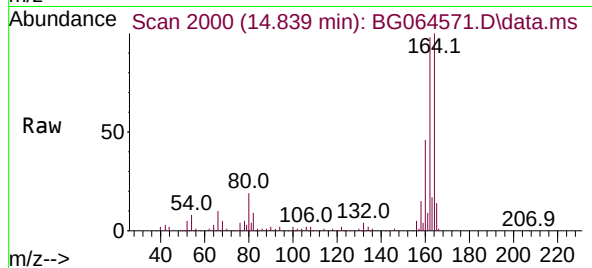
Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010



Tgt Ion:164 Resp: 117618

Ion Ratio Lower Upper

164 100

162 98.4 77.0 115.6

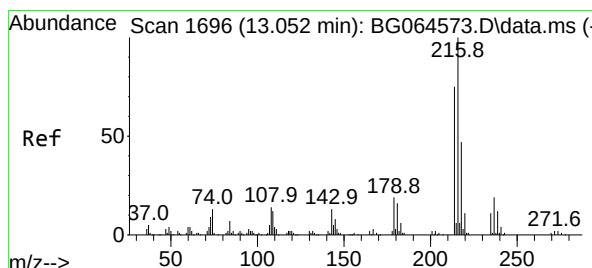
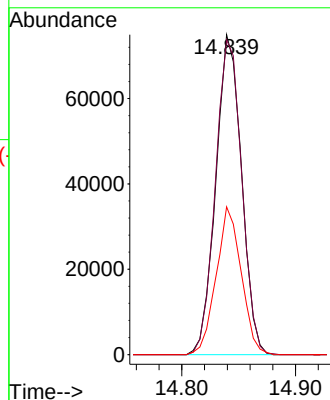
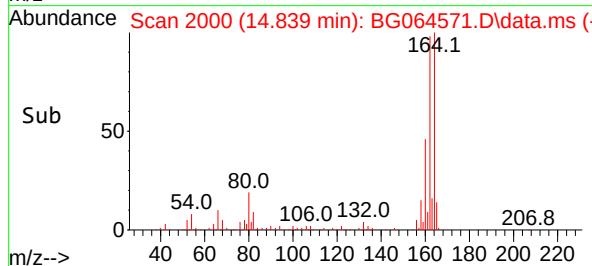
160 46.2 34.4 51.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 10.197 ng

RT: 13.053 min Scan# 1696

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Tgt Ion:216 Resp: 40253

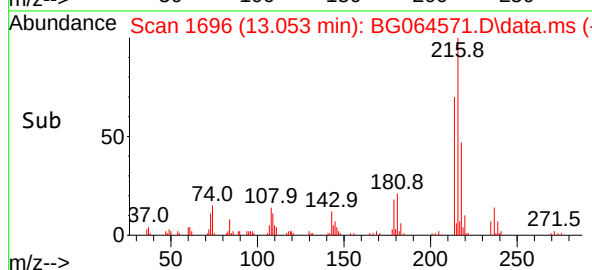
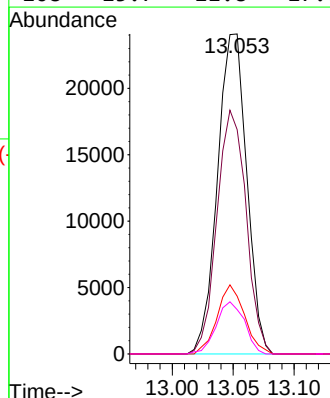
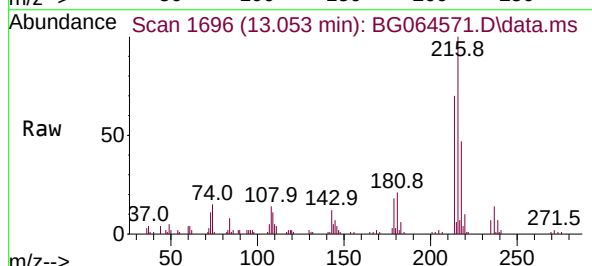
Ion Ratio Lower Upper

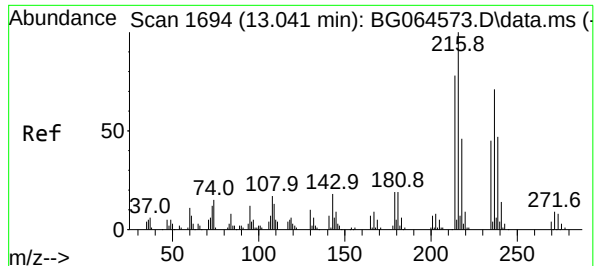
216 100

214 75.7 61.4 92.2

179 20.2 15.4 23.0

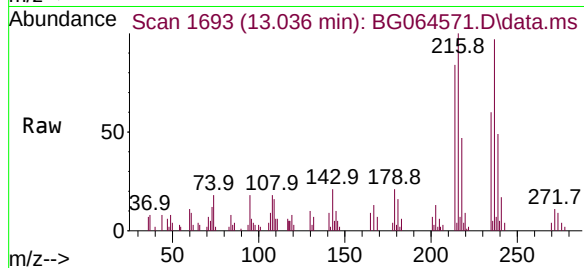
108 15.7 11.8 17.6





#41
Hexachlorocyclopentadiene
Concen: 8.855 ng
RT: 13.036 min Scan# 1693
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

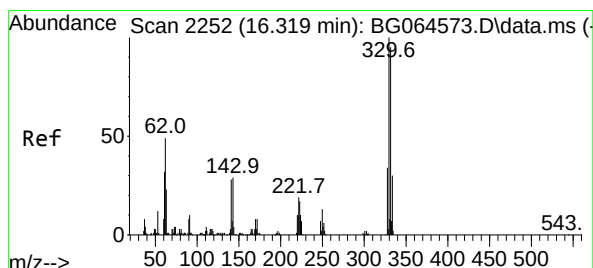
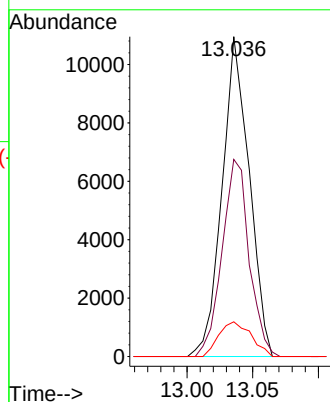
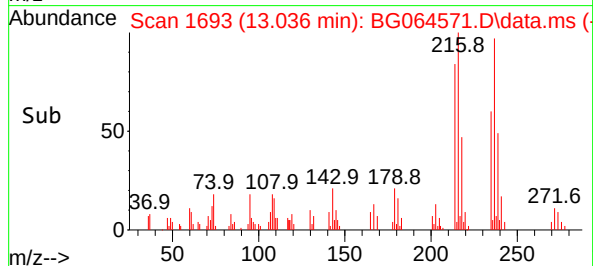
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:237 Resp: 15733
Ion Ratio Lower Upper
237 100
235 61.6 44.1 84.1
272 10.9 0.0 32.4

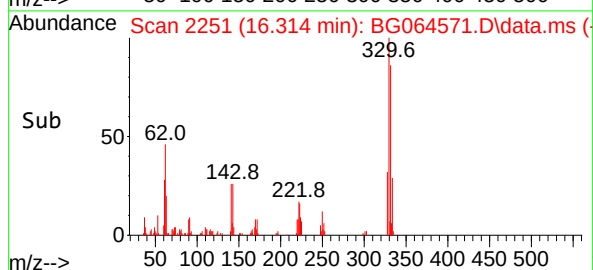
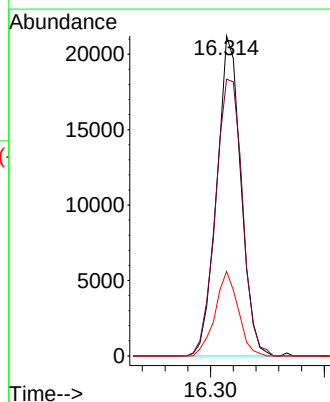
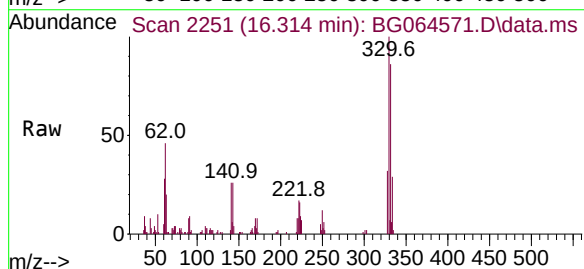
Manual Integrations
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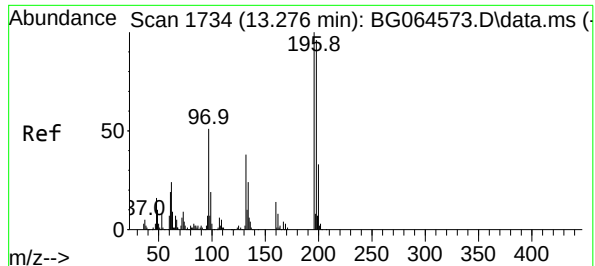
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:330 Resp: 31236
Ion Ratio Lower Upper
330 100
332 96.5 78.0 117.0
141 25.2 21.8 32.6





#43

2,4,6-Trichlorophenol

Concen: 8.673 ng

RT: 13.276 min Scan# 1734

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

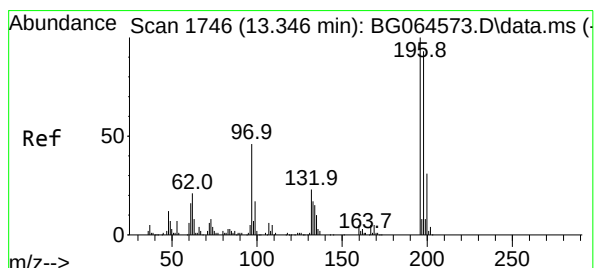
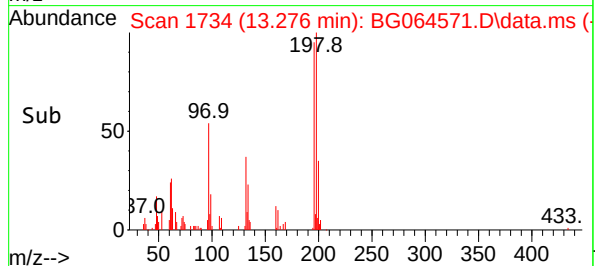
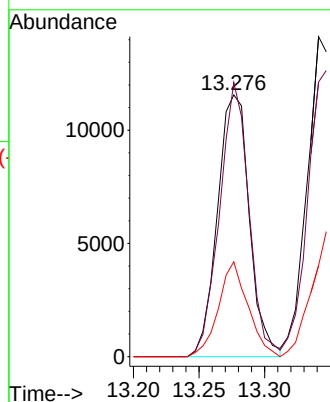
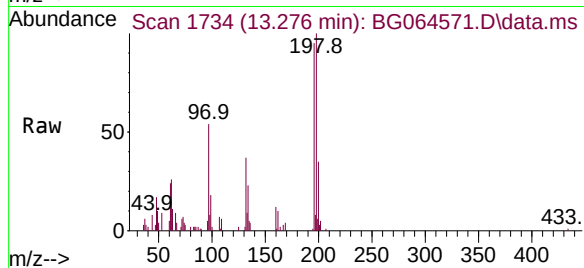
Tgt Ion:	196	Resp:	19584
Ion	Ratio	Lower	Upper
196	100		
198	104.8	76.6	115.0
200	36.2	26.0	39.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#44

2,4,5-Trichlorophenol

Concen: 9.584 ng

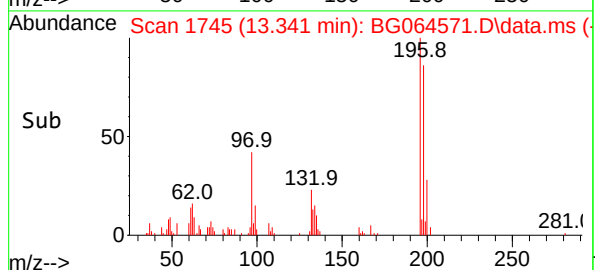
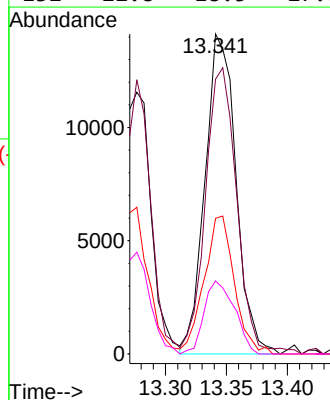
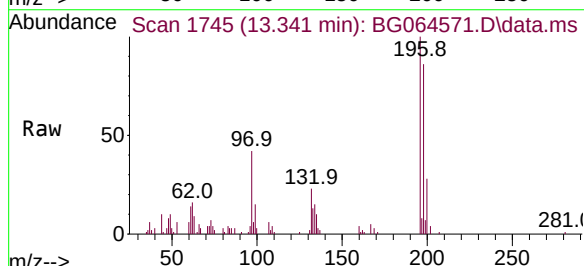
RT: 13.341 min Scan# 1745

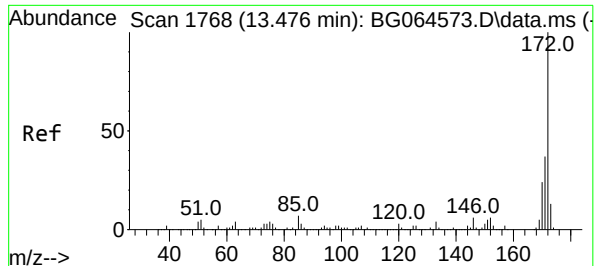
Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

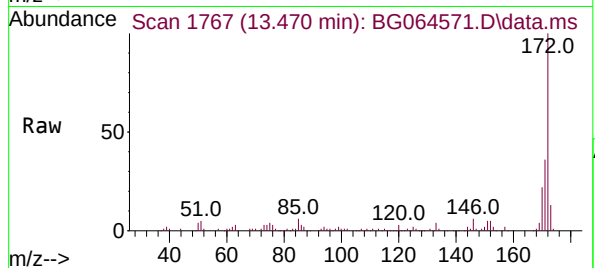
Tgt Ion:	196	Resp:	24973
Ion	Ratio	Lower	Upper
196	100		
198	85.8	74.2	111.4
97	42.4	37.0	55.6
132	22.8	18.5	27.7





#45
2-Fluorobiphenyl
Concen: 21.050 ng
RT: 13.470 min Scan# 1768
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

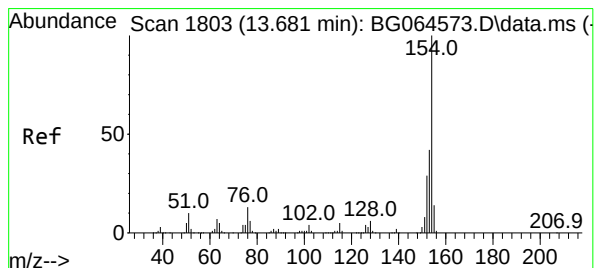
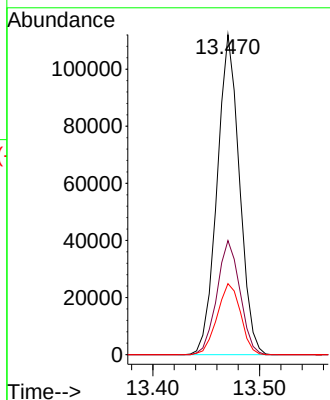
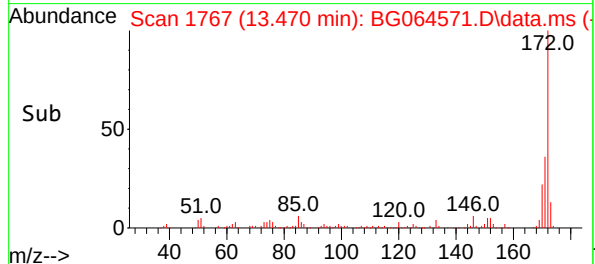
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:172 Resp: 163340
Ion Ratio Lower Upper
172 100
171 35.6 29.4 44.0
170 22.2 19.1 28.7

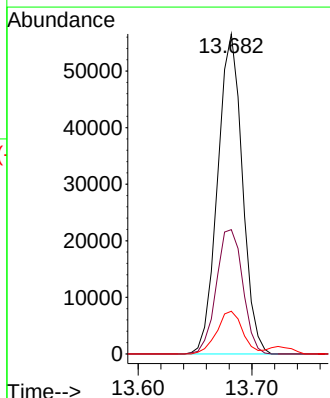
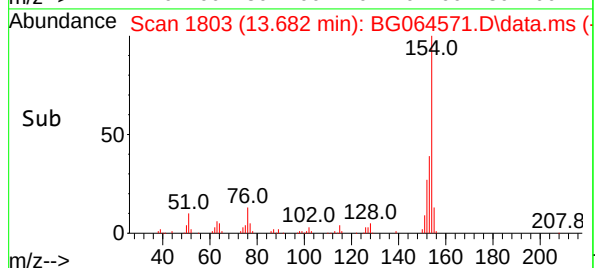
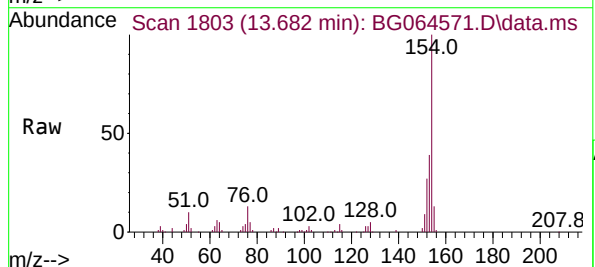
Manual Integrations
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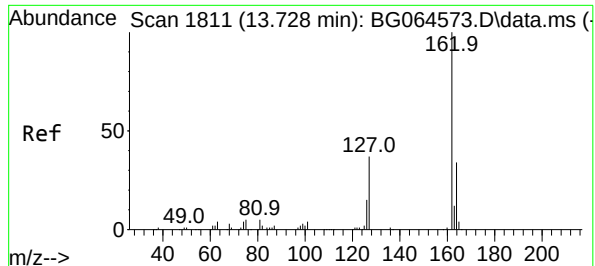
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:154 Resp: 85287
Ion Ratio Lower Upper
154 100
153 38.8 22.4 62.4
76 13.3 0.0 33.5





#47

2-Chloronaphthalene

Concen: 10.081 ng

RT: 13.723 min Scan# 1811

Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion:162 Resp: 6363

Ion Ratio Lower Upper

162 100

127 41.2 32.2 48.2

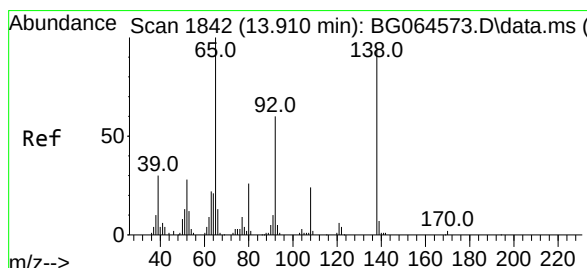
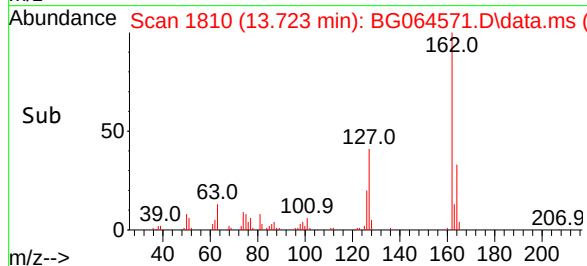
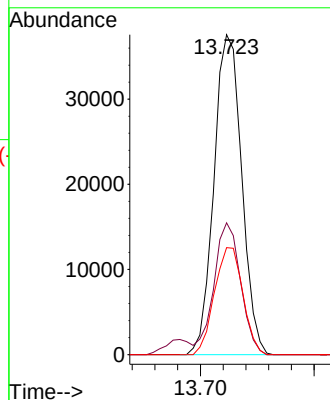
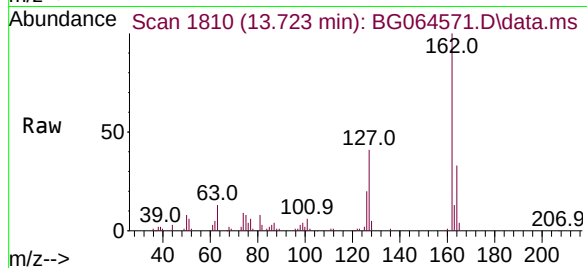
164 33.4 27.5 41.3

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#48

2-Nitroaniline

Concen: 9.284 ng

RT: 13.905 min Scan# 1841

Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

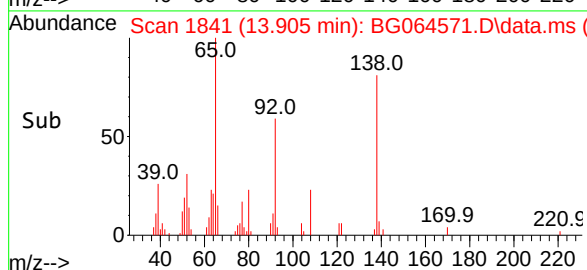
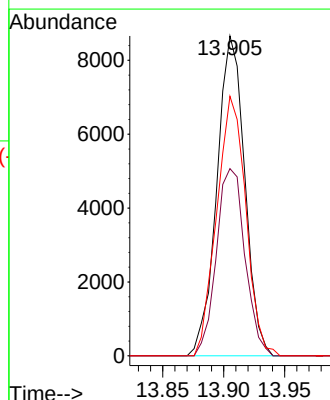
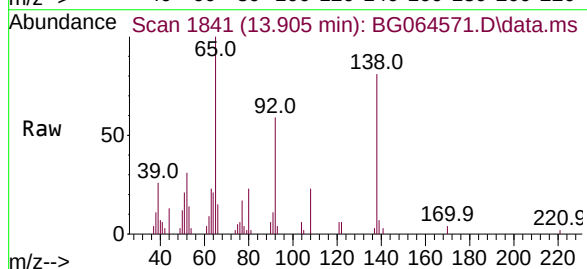
Tgt Ion: 65 Resp: 13764

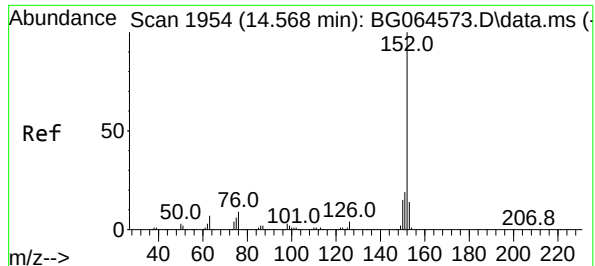
Ion Ratio Lower Upper

65 100

92 58.5 48.3 72.5

138 81.1 74.9 112.3





#49

Acenaphthylene

Concen: 10.198 ng

RT: 14.563 min Scan# 1954

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion:152 Resp: 101526

Ion Ratio Lower Upper

152 100

151 19.3 15.4 23.2

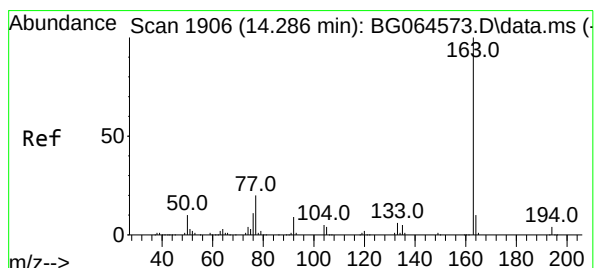
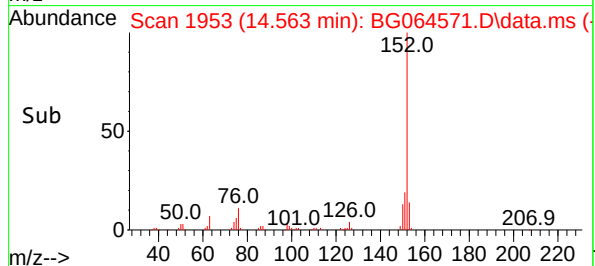
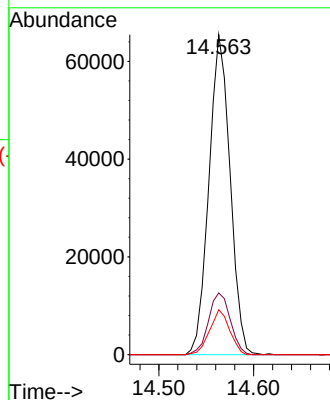
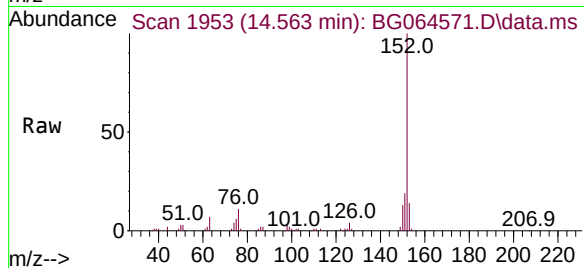
153 14.0 11.0 16.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#50

Dimethylphthalate

Concen: 10.256 ng

RT: 14.281 min Scan# 1905

Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

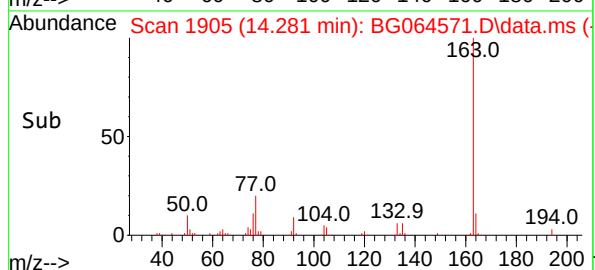
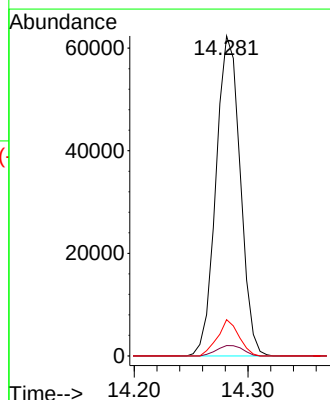
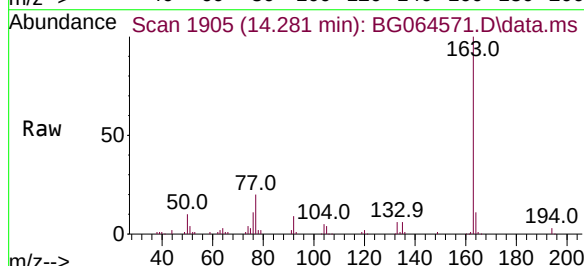
Tgt Ion:163 Resp: 92308

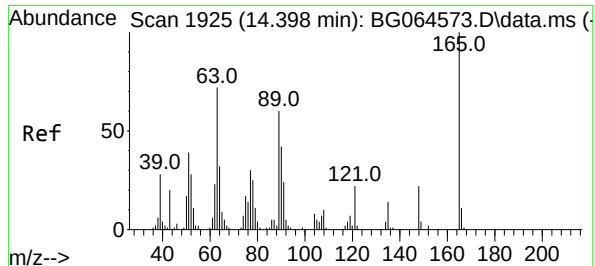
Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

164 11.3 7.7 11.5





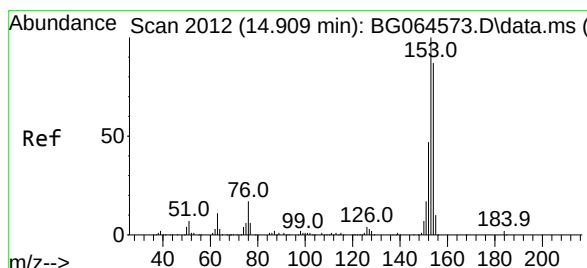
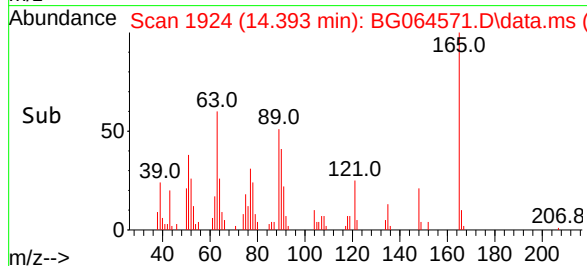
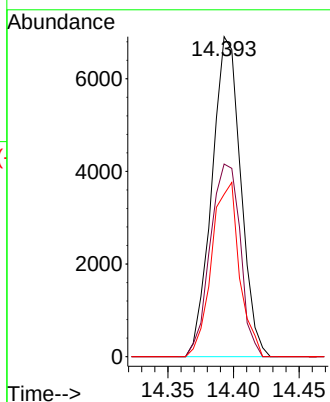
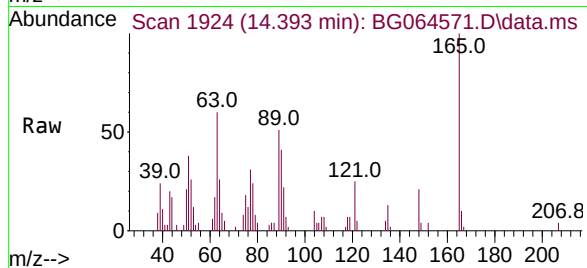
#51
2,6-Dinitrotoluene
Concen: 9.857 ng
RT: 14.393 min Scan# 1925
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 1060
Ion Ratio Lower Upper
165 100
63 60.2 57.4 86.0
89 50.8 47.8 71.8

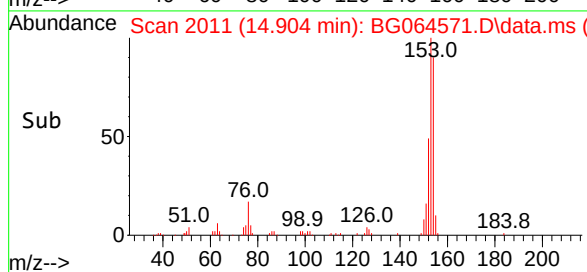
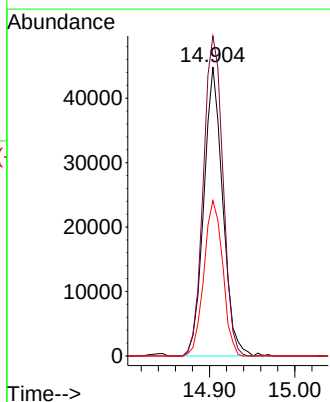
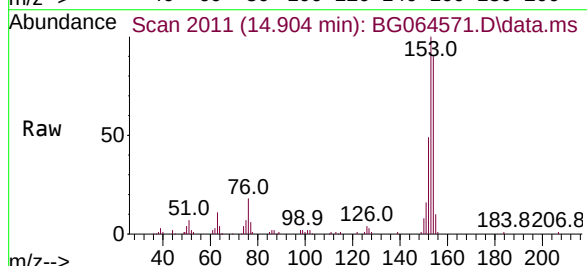
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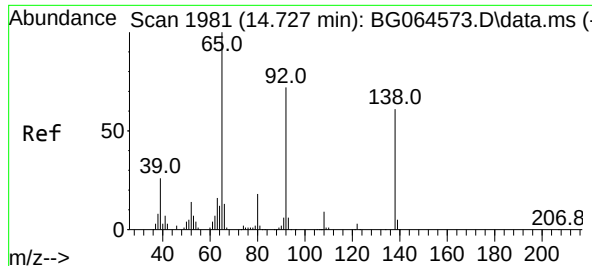
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

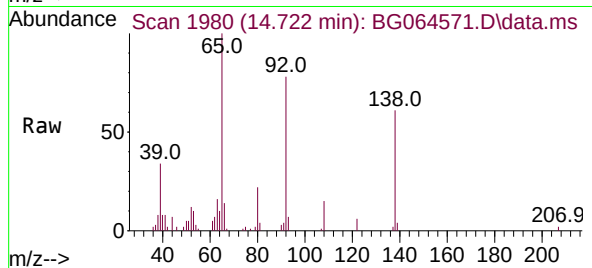
Tgt Ion:154 Resp: 69273
Ion Ratio Lower Upper
154 100
153 110.8 92.2 138.4
152 53.8 43.2 64.8





#53
3-Nitroaniline
Concen: 8.026 ng
RT: 14.722 min Scan# 1981
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

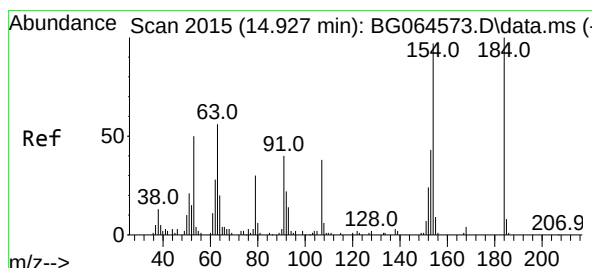
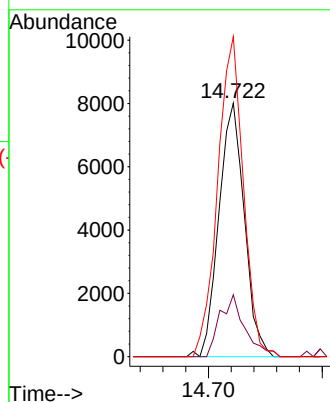
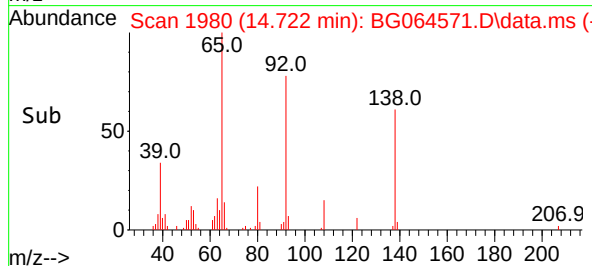
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:138 Resp: 12414
Ion Ratio Lower Upper
138 100
108 24.4 11.4 17.0#
92 126.2 95.3 142.9

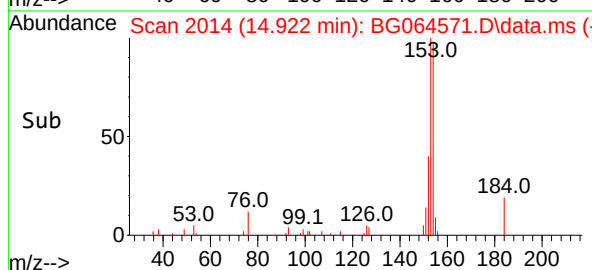
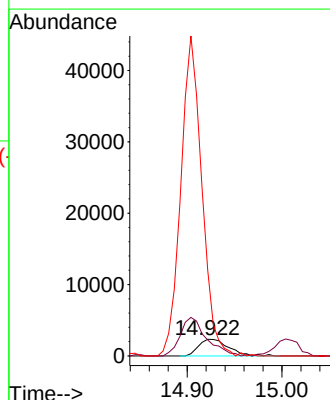
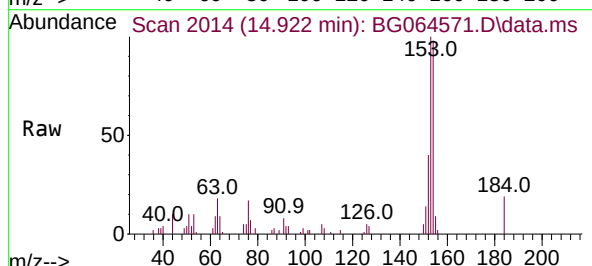
Manual Integrations
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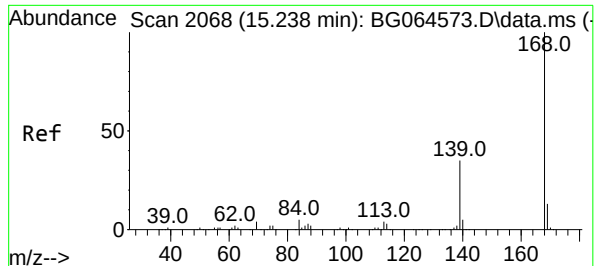
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

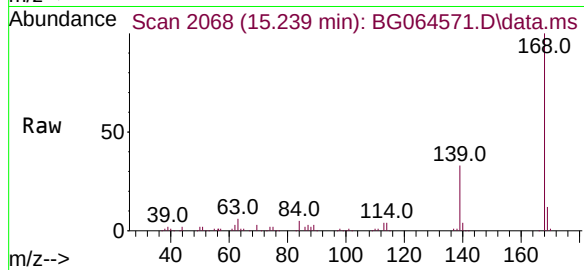
Tgt Ion:184 Resp: 5082
Ion Ratio Lower Upper
184 100
63 95.9 56.6 85.0#
154 514.8 158.6 238.0#





#55
Dibenzenofuran
Concen: 10.548 ng
RT: 15.239 min Scan# 2068
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

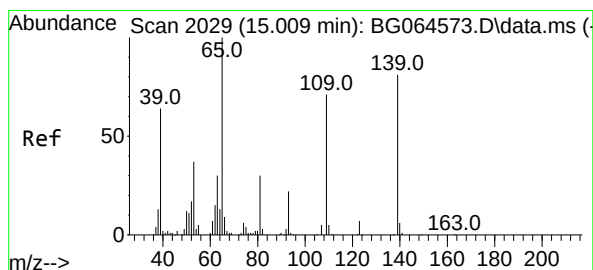
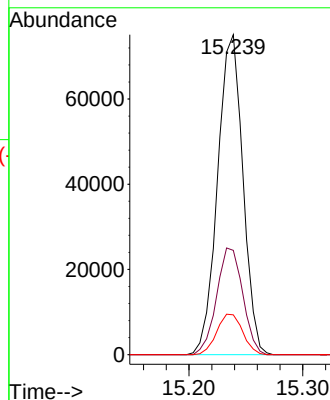
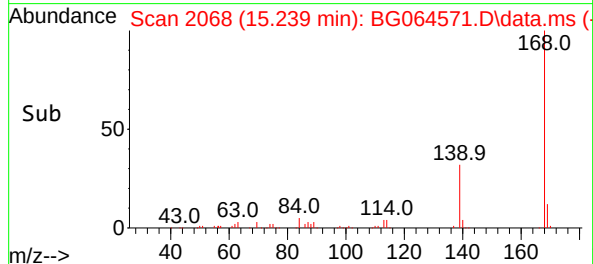
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



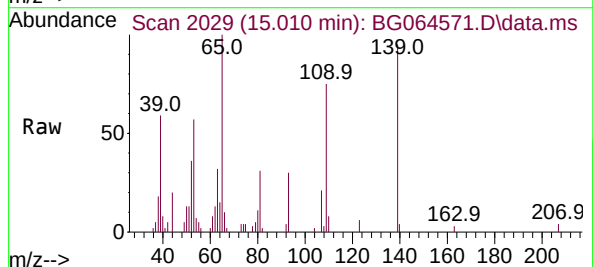
Tgt Ion:168 Resp: 115990
Ion Ratio Lower Upper
168 100
139 32.6 27.8 41.8
169 12.4 10.3 15.5

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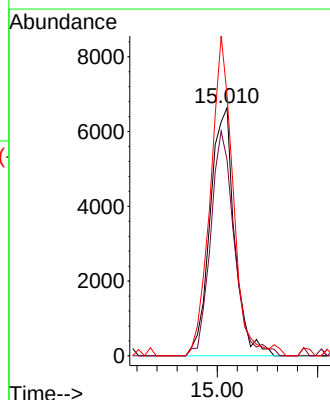
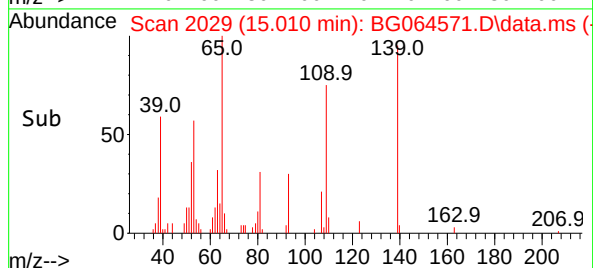
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

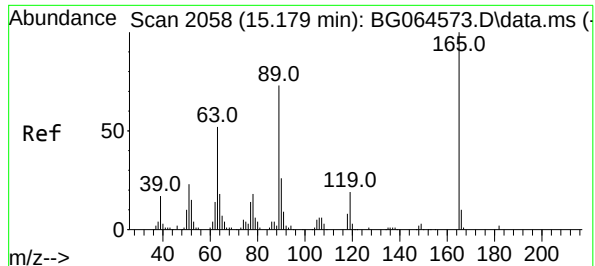


#56
4-Nitrophenol
Concen: 7.815 ng
RT: 15.010 min Scan# 2029
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02



Tgt Ion:139 Resp: 11207
Ion Ratio Lower Upper
139 100
109 78.9 67.8 107.8
65 105.0 103.7 143.7





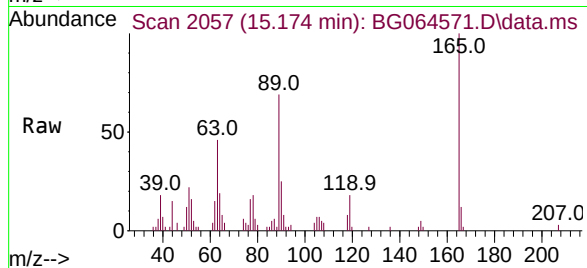
#57
2,4-Dinitrotoluene
Concen: 9.494 ng
RT: 15.174 min Scan# 2057
Delta R.T. -0.015 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

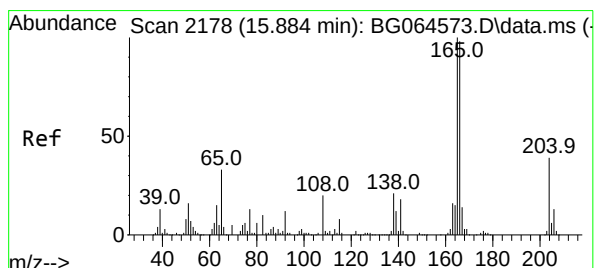
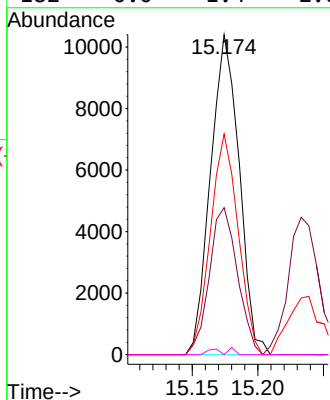
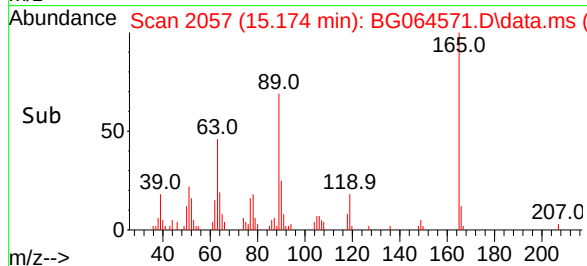


Tgt Ion	Ratio	Lower	Upper
165	100		
63	45.9	41.8	62.8
89	68.9	58.1	87.1
182	0.0	1.4	2.0

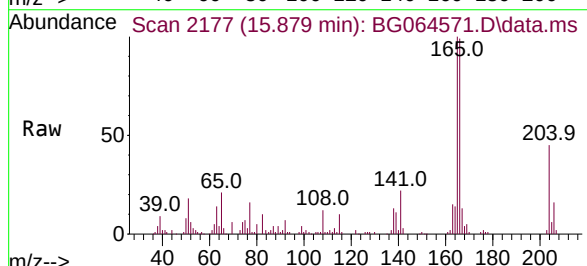
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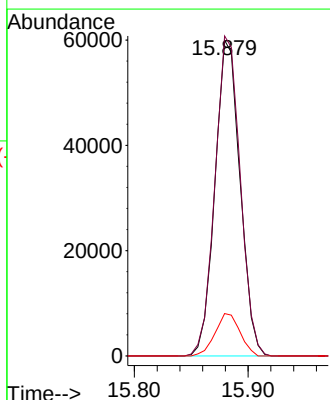
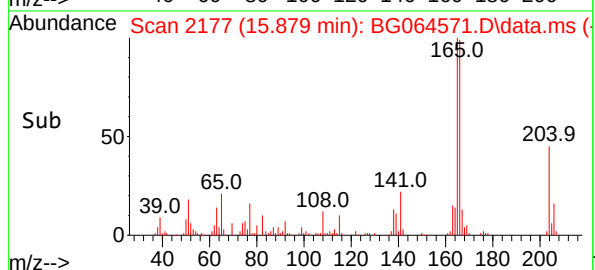
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

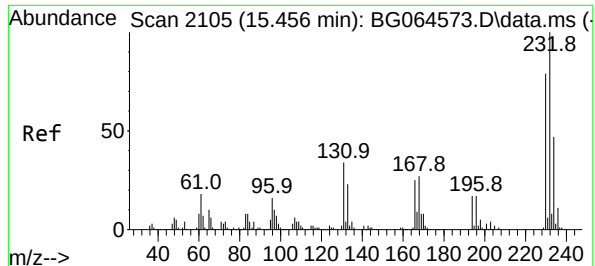


#58
Fluorene
Concen: 10.679 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02



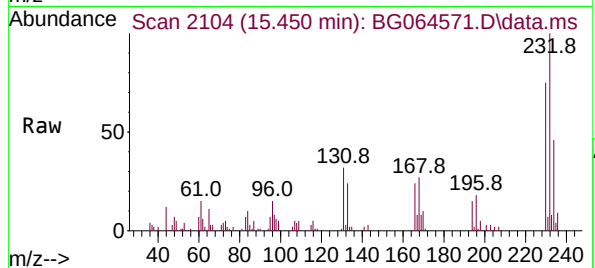
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.4	81.5	122.3
167	13.4	11.4	17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.088 ng
RT: 15.450 min Scan# 2104
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

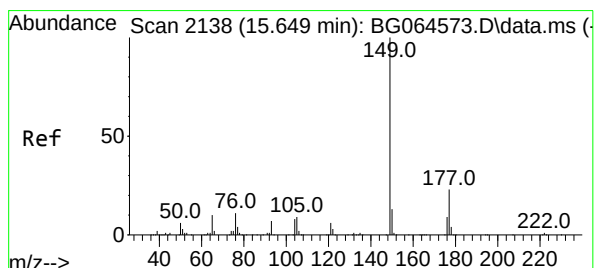
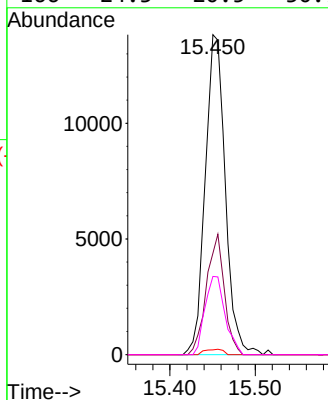
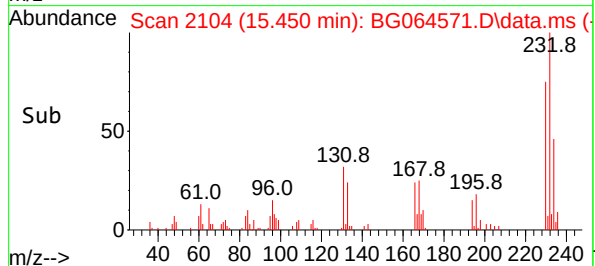
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:232 Resp: 22645
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

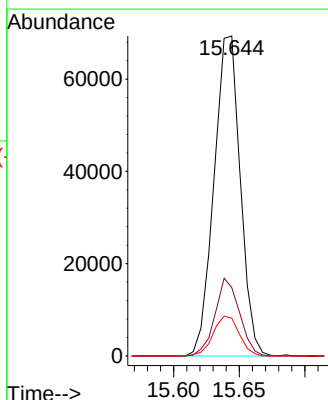
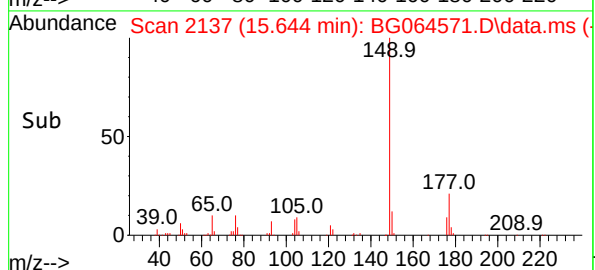
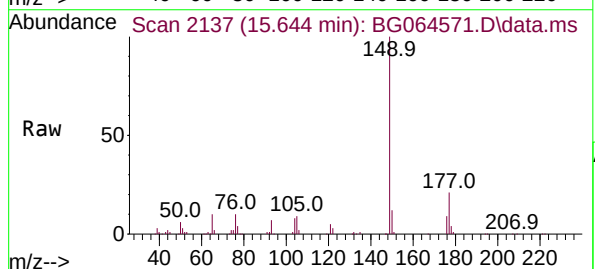
Manual Integrations
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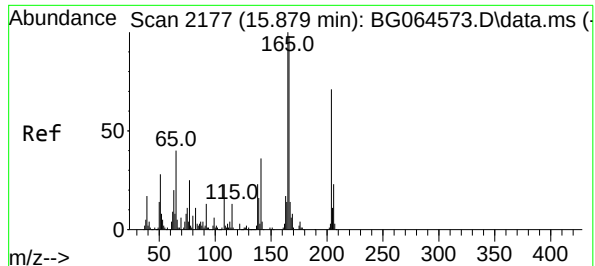
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:149 Resp: 96719
Ion Ratio Lower Upper
149 100
177 21.3 18.0 27.0
150 11.8 10.2 15.4





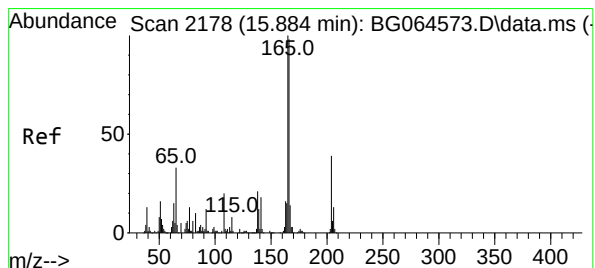
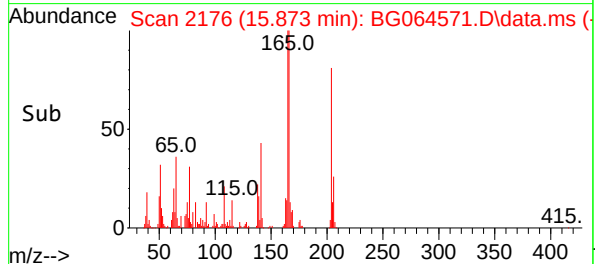
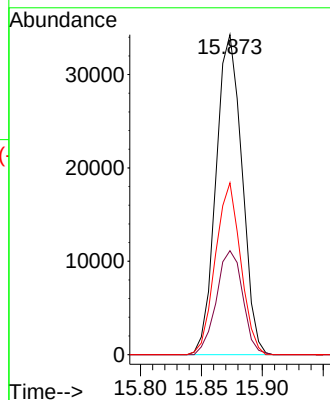
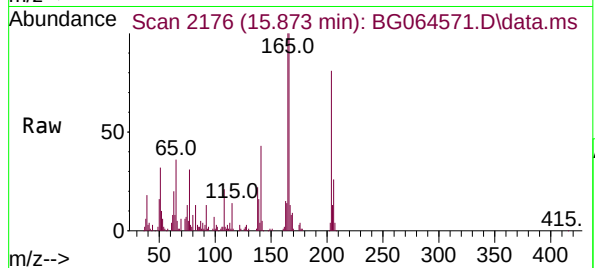
#61
4-Chlorophenyl-phenylether
Concen: 10.544 ng
RT: 15.873 min Scan# 2176
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 50818
Ion Ratio Lower Upper
204 100
206 32.5 25.6 38.4
141 53.7 40.6 60.8

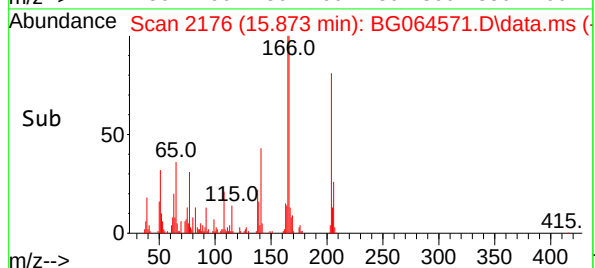
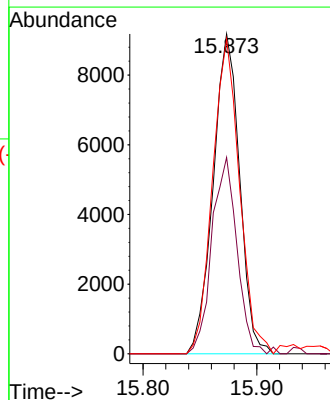
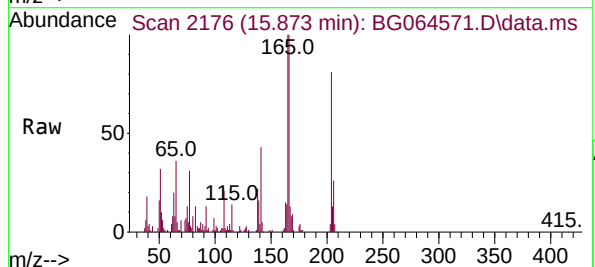
Manual Integrations
APPROVED

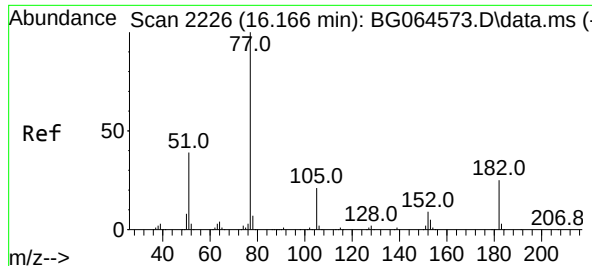
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:138 Resp: 14819
Ion Ratio Lower Upper
138 100
92 61.4 36.1 76.1
108 98.5 75.6 115.6





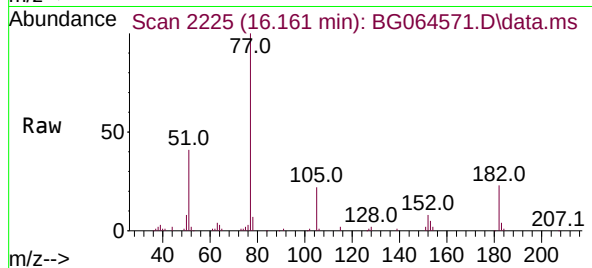
#63
Azobenzene
Concen: 10.489 ng
RT: 16.161 min Scan# 2226
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

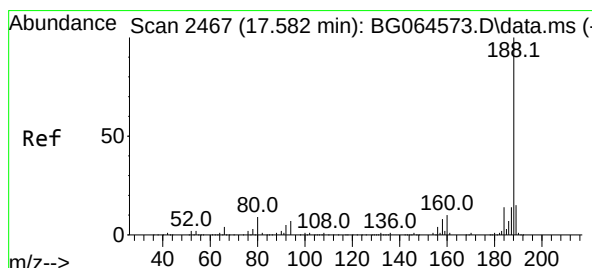
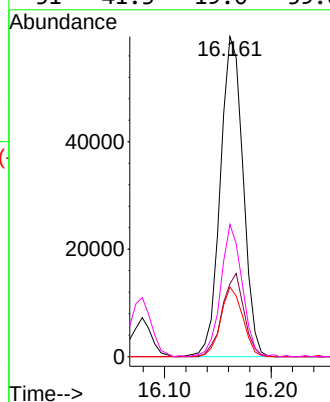
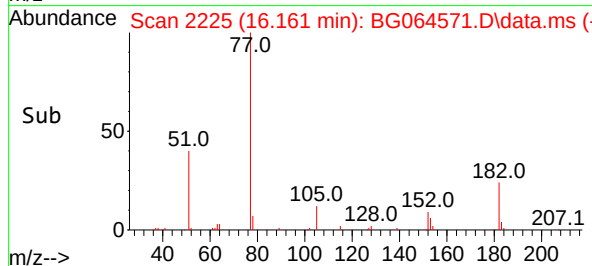


Tgt Ion: 77 Resp: 8844
Ion Ratio Lower Upper
77 100
182 22.8 4.9 44.9
105 21.7 1.3 41.3
51 41.3 19.0 59.0

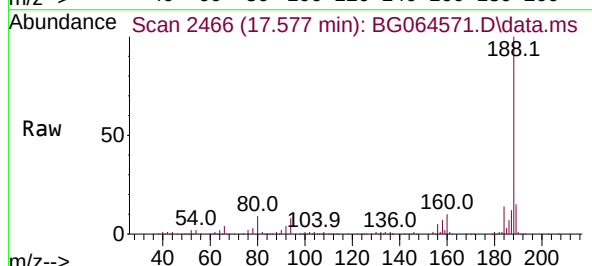
Manual Integrations

APPROVED

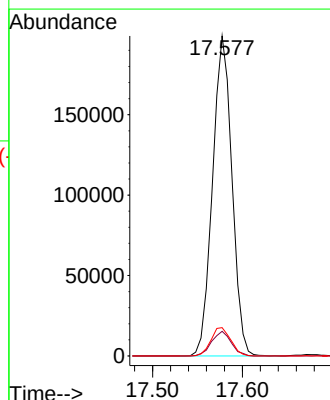
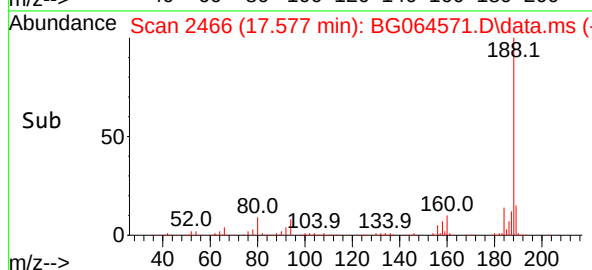
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

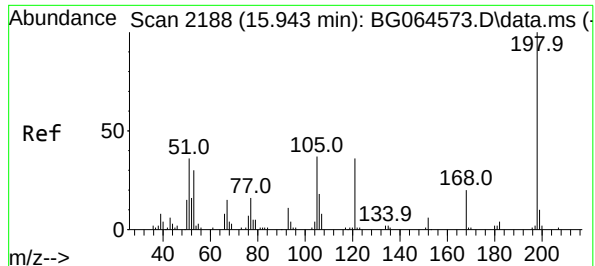


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02



Tgt Ion:188 Resp: 300549
Ion Ratio Lower Upper
188 100
94 7.7 5.7 8.5
80 8.8 6.8 10.2





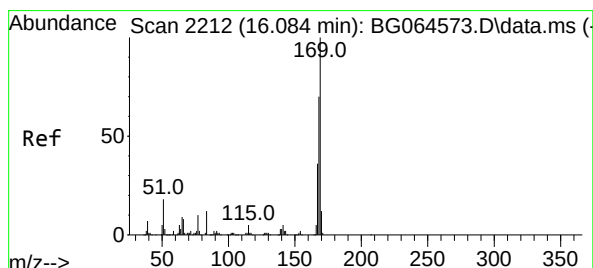
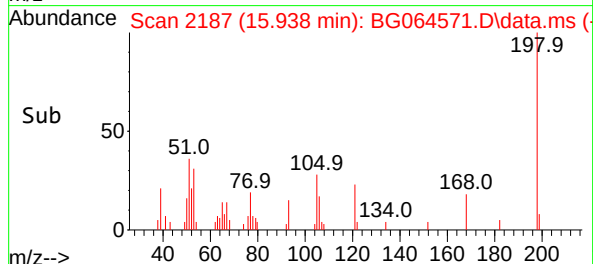
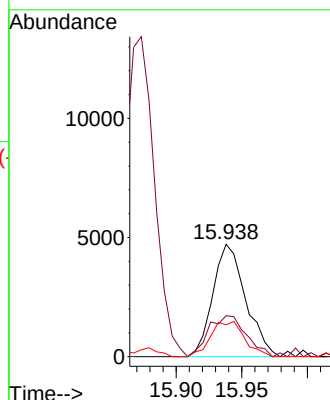
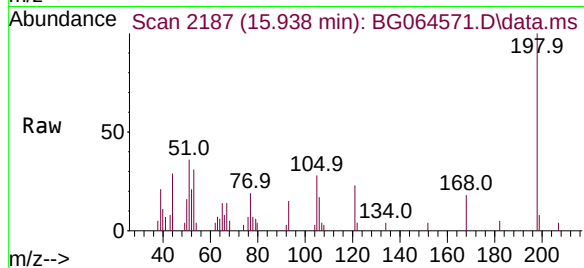
#65
4,6-Dinitro-2-methylphenol
Concen: 10.919 ng
RT: 15.938 min Scan# 2188
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 8190
Ion Ratio Lower Upper
198 100
51 36.4 24.7 64.7
105 28.3 18.0 58.0

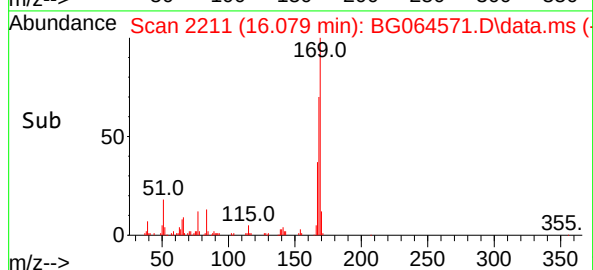
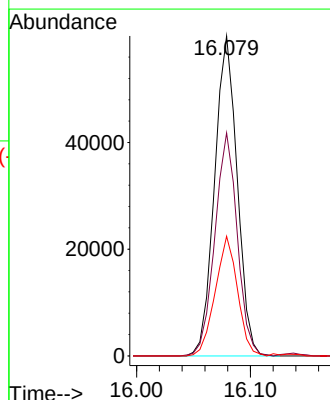
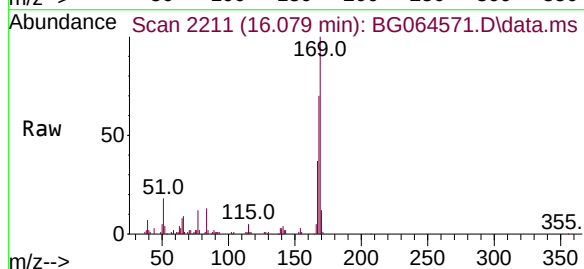
Manual Integrations
APPROVED

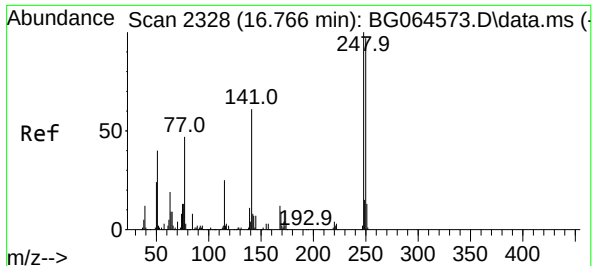
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

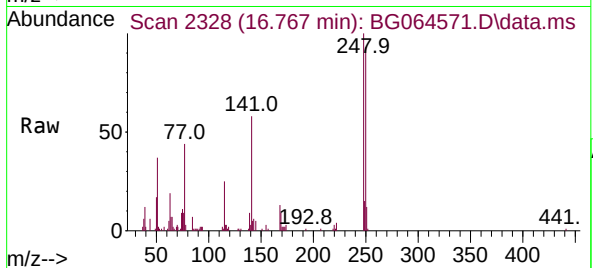
Tgt Ion:169 Resp: 82787
Ion Ratio Lower Upper
169 100
168 69.7 56.3 84.5
167 37.4 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 9.949 ng
RT: 16.767 min Scan# 2328
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

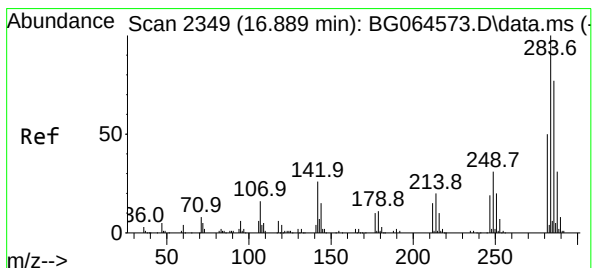
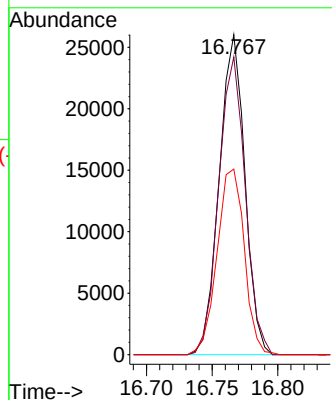
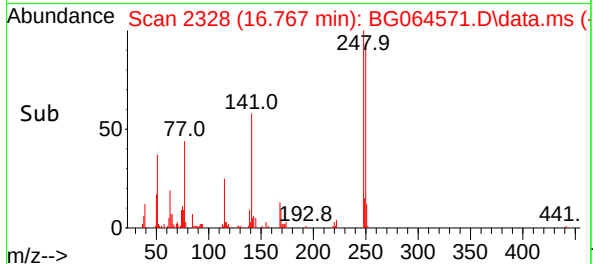
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



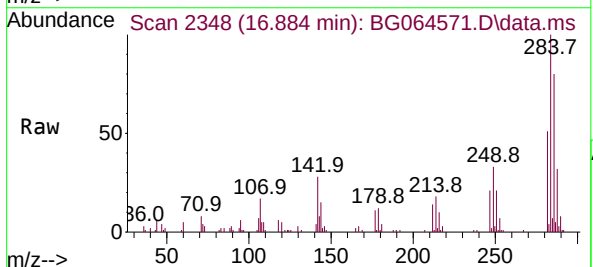
Tgt Ion:248 Resp: 35433
Ion Ratio Lower Upper
248 100
250 93.0 77.7 116.5
141 58.0 48.6 72.8

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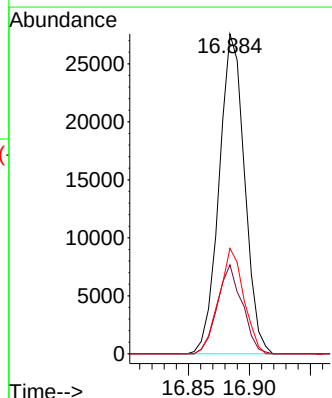
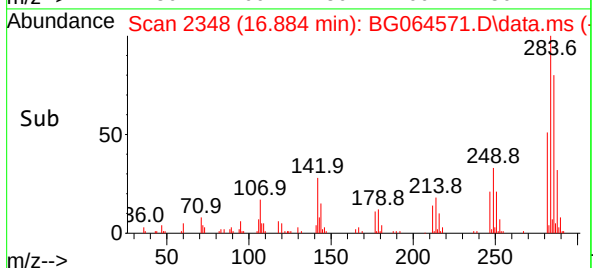
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

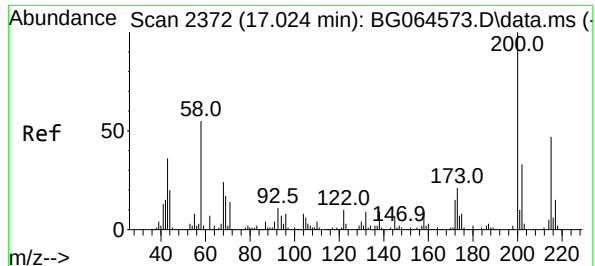


#68
Hexachlorobenzene
Concen: 9.838 ng
RT: 16.884 min Scan# 2348
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02



Tgt Ion:284 Resp: 39975
Ion Ratio Lower Upper
284 100
142 27.8 21.0 31.6
249 35.9 24.9 37.3





#69

Atrazine

Concen: 9.785 ng

RT: 17.019 min Scan# 2371

Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion:200 Resp: 34185

Ion Ratio Lower Upper

200 100

173 20.7 0.9 40.9

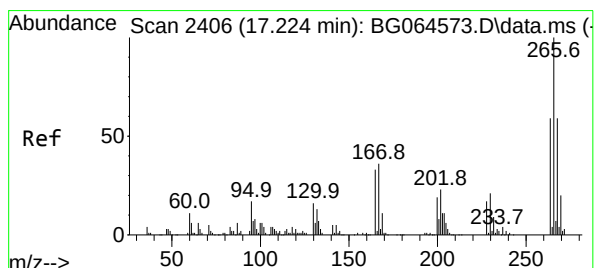
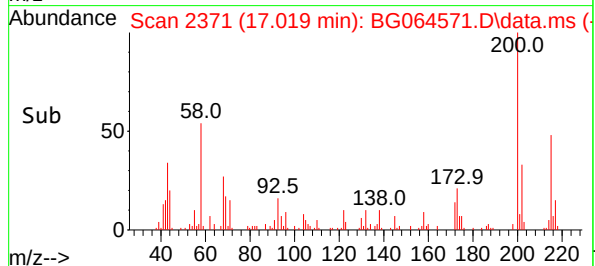
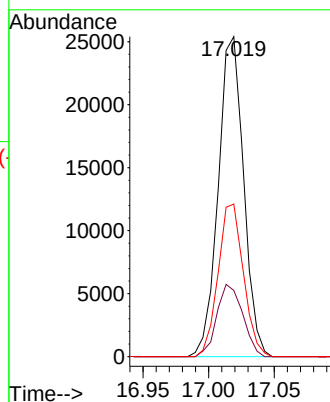
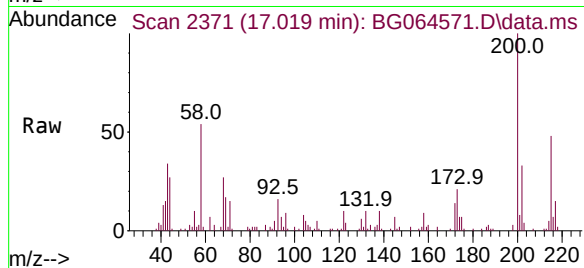
215 47.7 27.0 67.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#70

Pentachlorophenol

Concen: 7.838 ng

RT: 17.225 min Scan# 2406

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

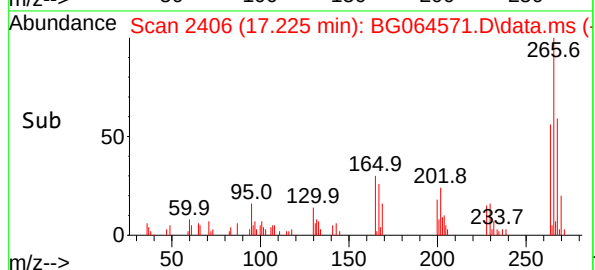
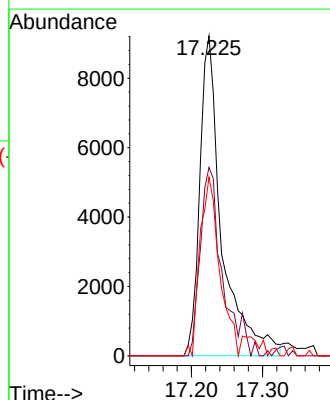
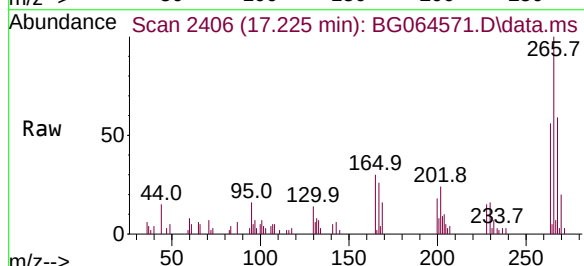
Tgt Ion:266 Resp: 19859

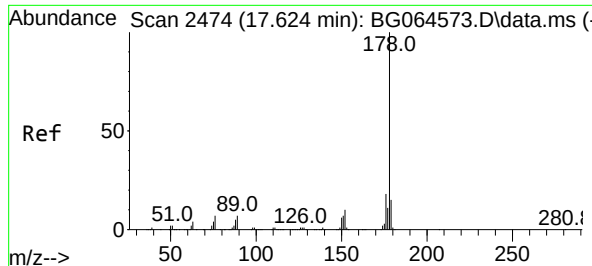
Ion Ratio Lower Upper

266 100

268 58.9 50.3 75.5

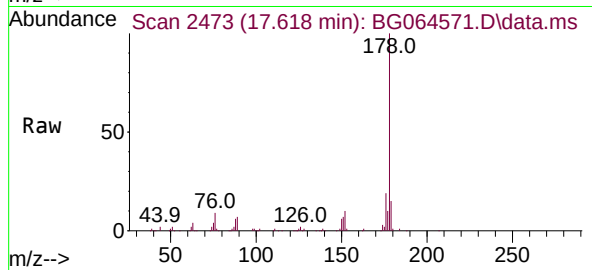
264 61.2 47.3 70.9





#71
Phenanthrene
Concen: 10.361 ng
RT: 17.618 min Scan# 2473
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

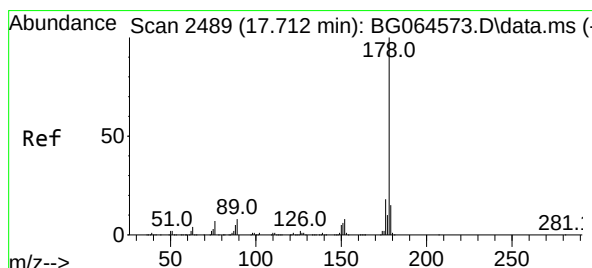
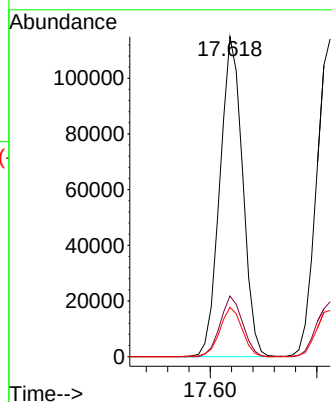
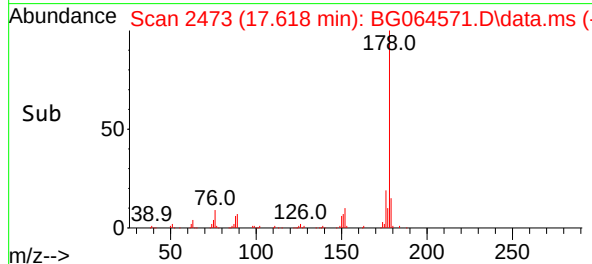
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



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

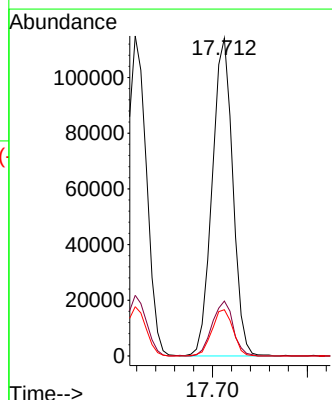
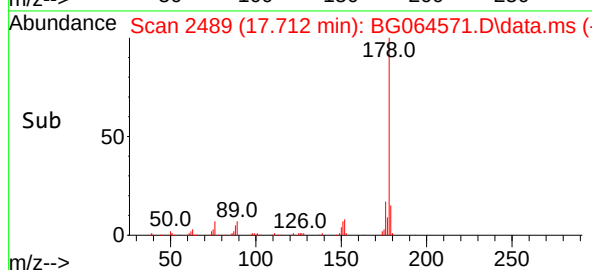
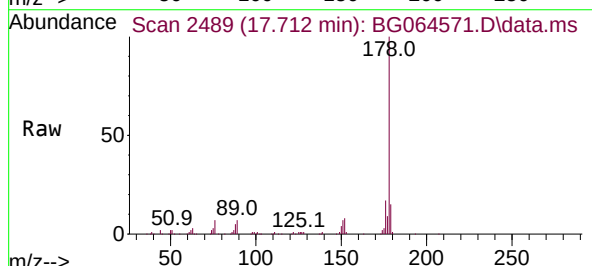
Manual Integrations
APPROVED

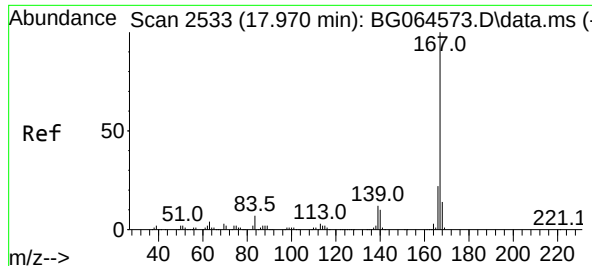
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

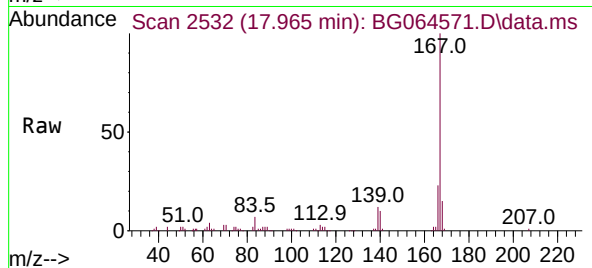
Tgt Ion:178 Resp: 171860
Ion Ratio Lower Upper
178 100
176 17.2 14.4 21.6
179 14.5 12.4 18.6





#73
Carbazole
Concen: 10.575 ng
RT: 17.965 min Scan# 2533
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

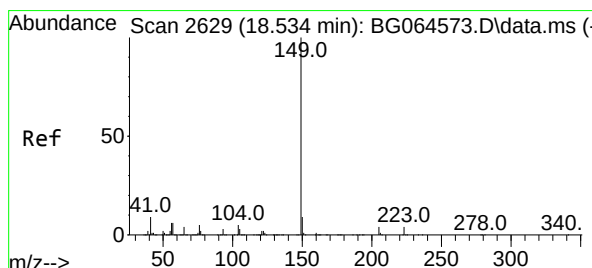
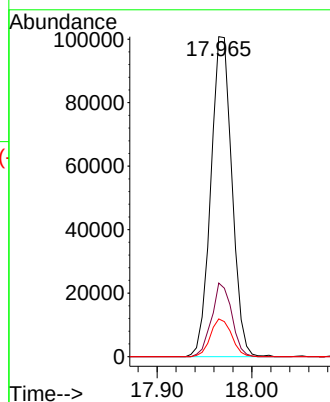
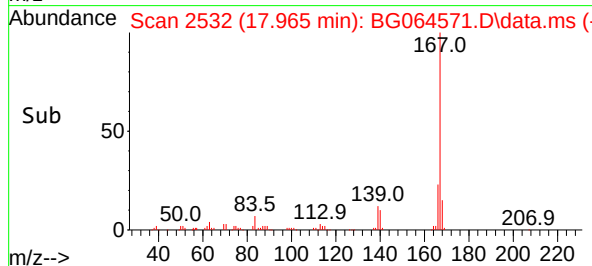
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:167 Resp: 155907
Ion Ratio Lower Upper
167 100
166 23.0 17.9 26.9
139 11.8 9.7 14.5

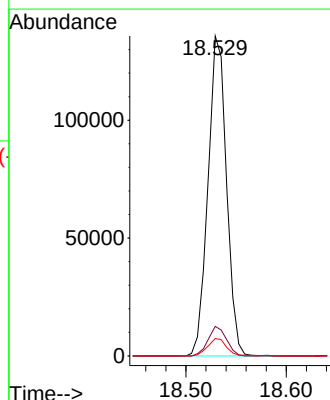
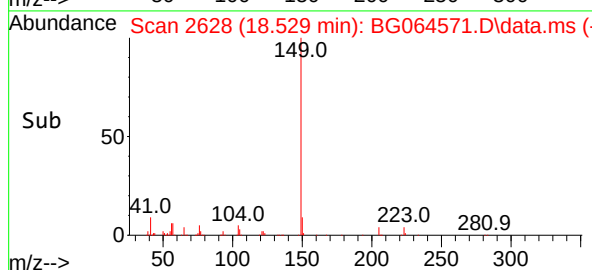
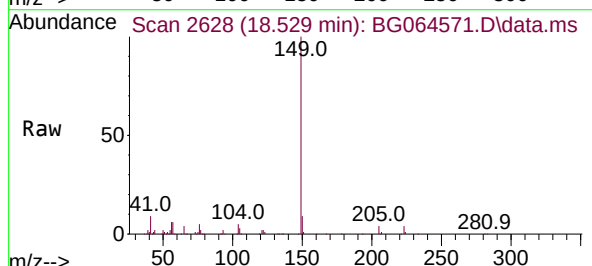
Manual Integrations
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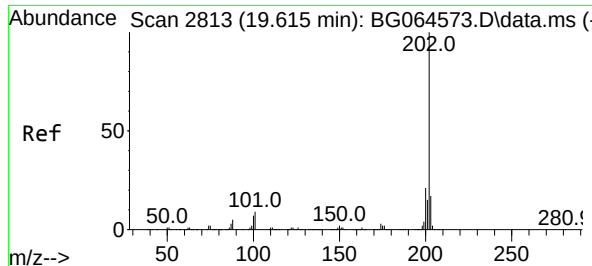
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

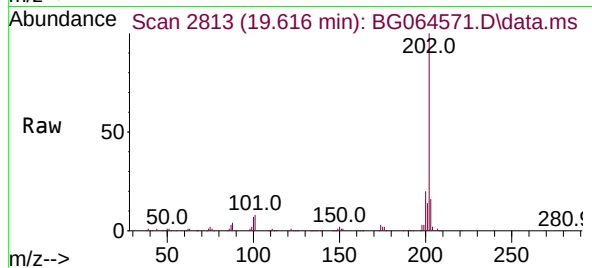
Tgt Ion:149 Resp: 173716
Ion Ratio Lower Upper
149 100
150 9.2 7.0 10.6
104 5.5 4.1 6.1





#75
Fluoranthene
Concen: 10.677 ng
RT: 19.616 min Scan# 2813
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

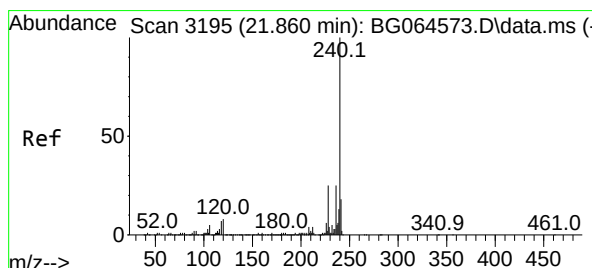
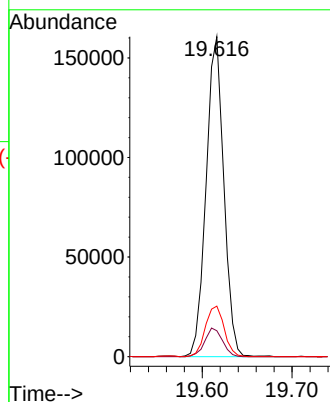
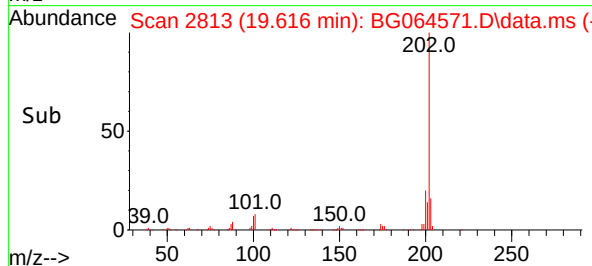
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



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

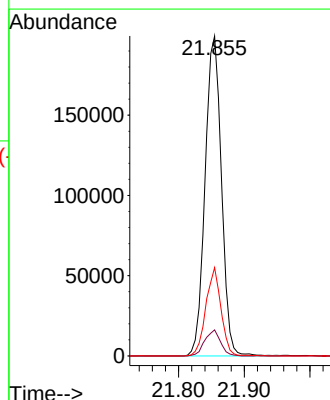
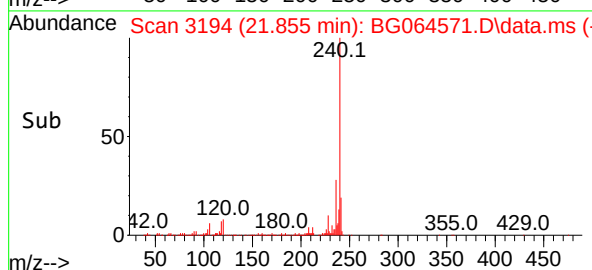
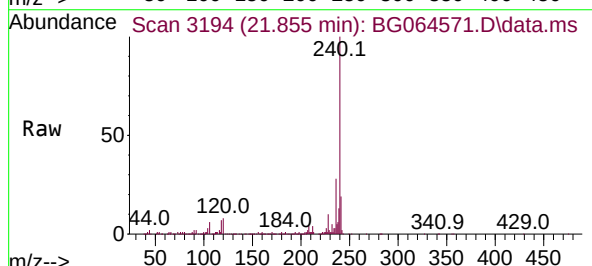
Manual Integrations
APPROVED

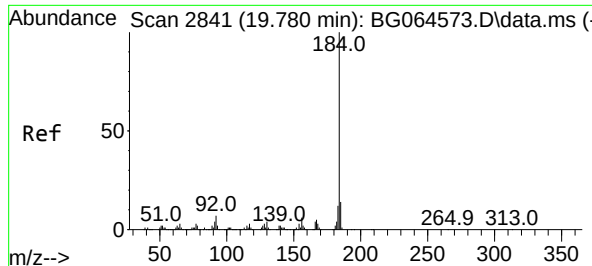
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

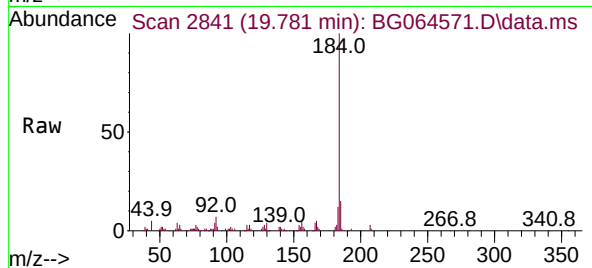
Tgt Ion:240 Resp: 343958
Ion Ratio Lower Upper
240 100
120 8.1 6.5 9.7
236 27.6 20.2 30.2





#77
Benzidine
Concen: 8.750 ng
RT: 19.781 min Scan# 2841
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

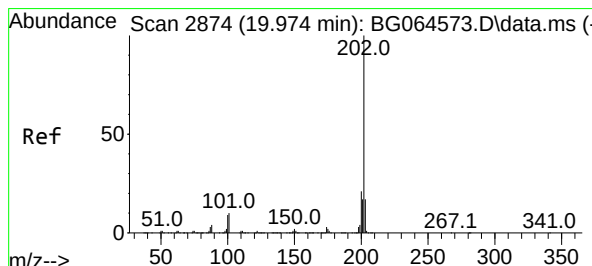
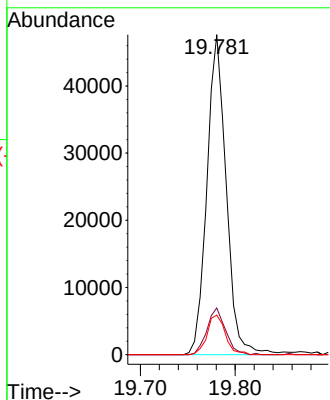
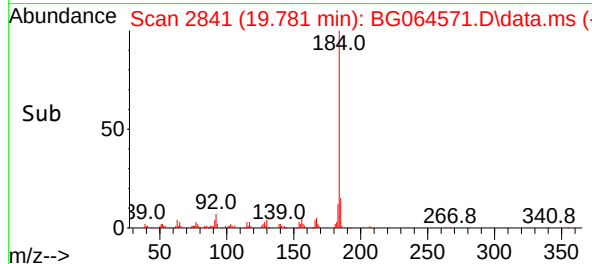
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:184 Resp: 67427
Ion Ratio Lower Upper
184 100
185 14.6 11.4 17.2
183 12.3 9.4 14.2

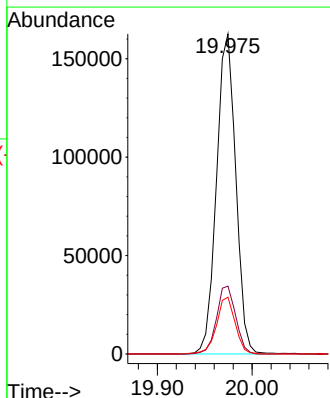
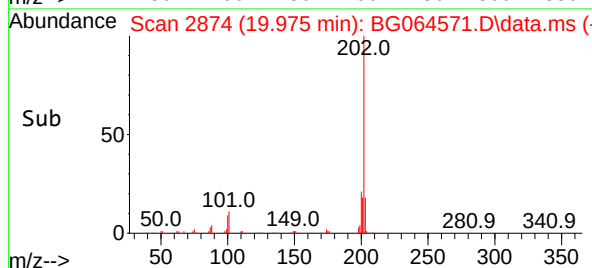
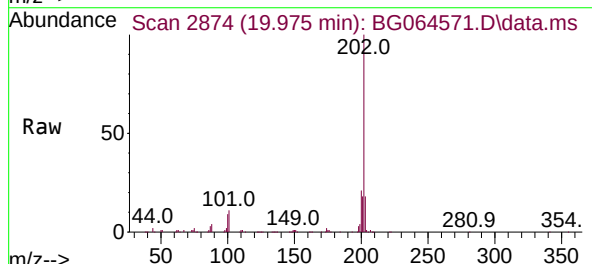
Manual Integrations
APPROVED

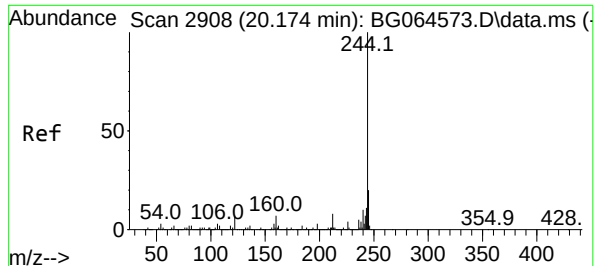
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

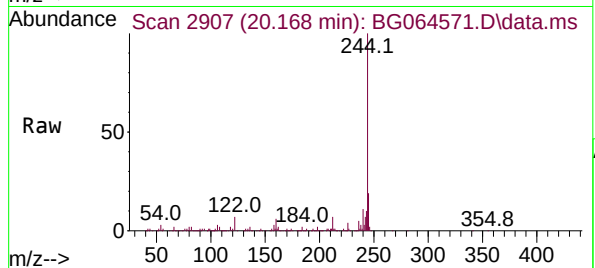
Tgt Ion:202 Resp: 228905
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.7 13.8 20.6





#79
Terphenyl-d14
Concen: 21.129 ng
RT: 20.168 min Scan# 2907
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

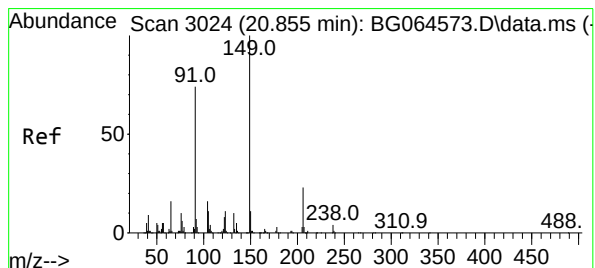
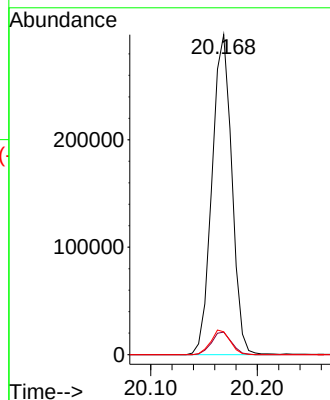
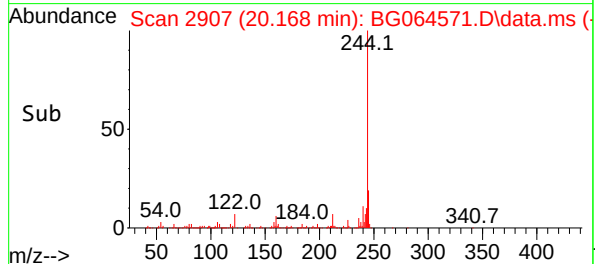
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:244 Resp: 385094
Ion Ratio Lower Upper
244 100
212 7.0 6.1 9.1
122 7.2 5.6 8.4

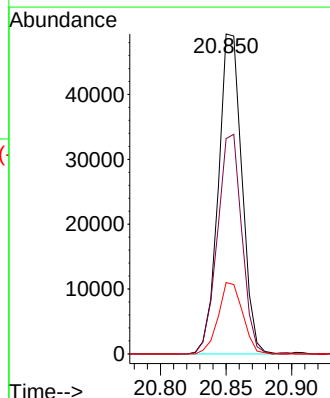
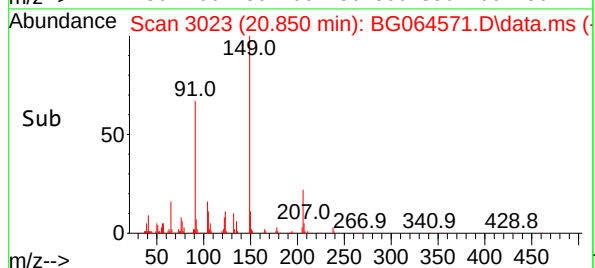
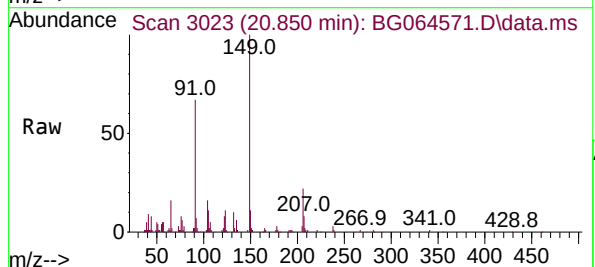
Manual Integrations
APPROVED

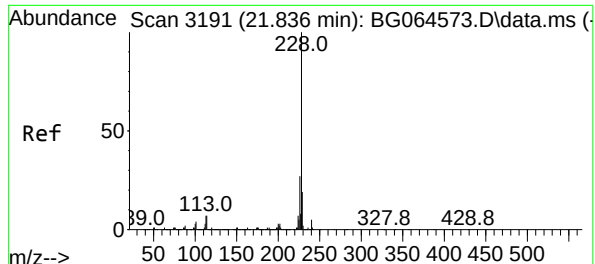
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:149 Resp: 61669
Ion Ratio Lower Upper
149 100
91 67.3 59.2 88.8
206 22.3 18.1 27.1





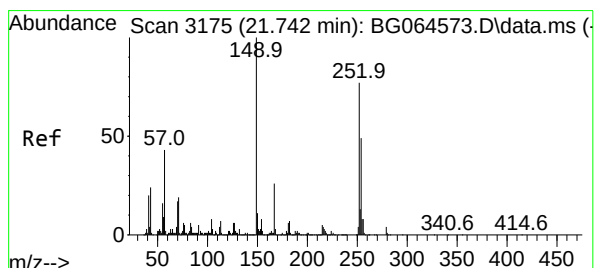
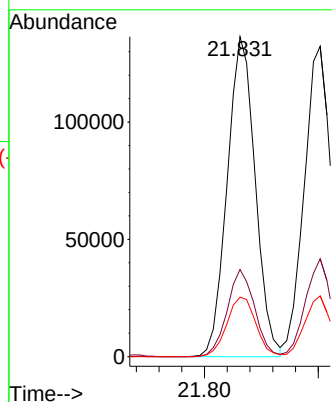
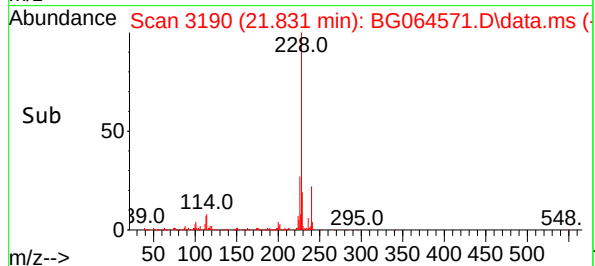
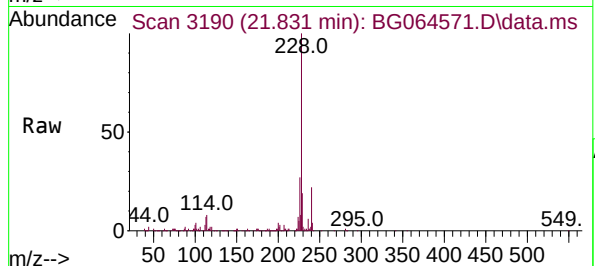
#81
Benzo(a)anthracene
Concen: 10.219 ng
RT: 21.831 min Scan# 3191
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

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

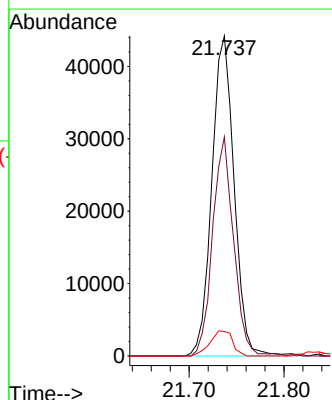
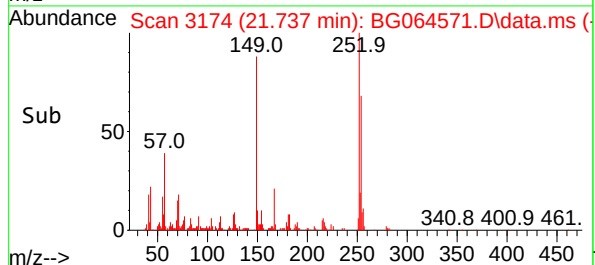
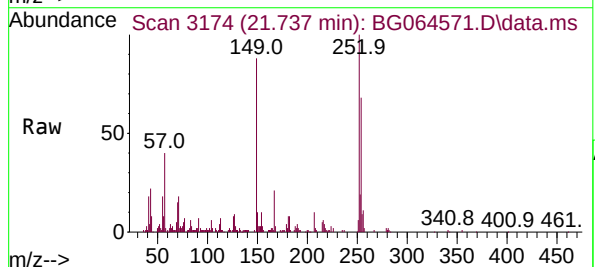
Manual Integrations
APPROVED

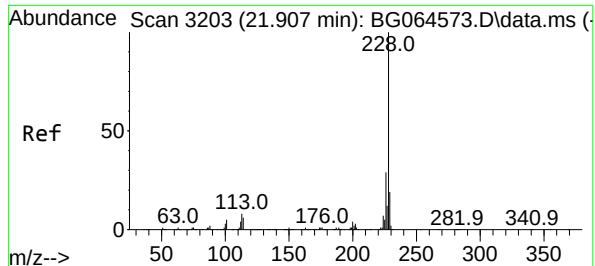
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:252 Resp: 71951
Ion Ratio Lower Upper
252 100
254 68.4 50.8 76.2
126 7.6 5.8 8.6





#83

Chrysene

Concen: 10.231 ng

RT: 21.902 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion:228 Resp: 222018

Ion Ratio Lower Upper

228 100

226 31.5 23.3 34.9

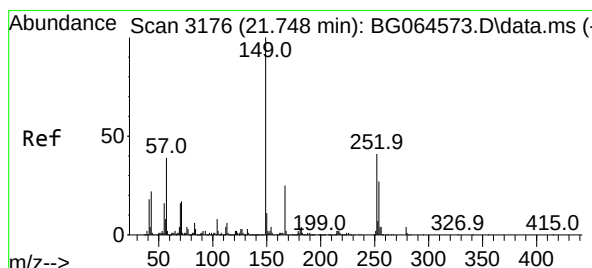
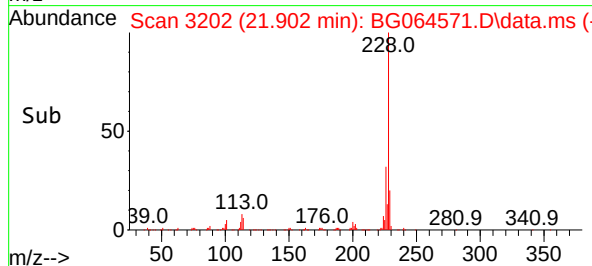
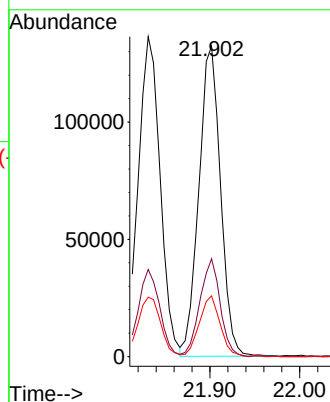
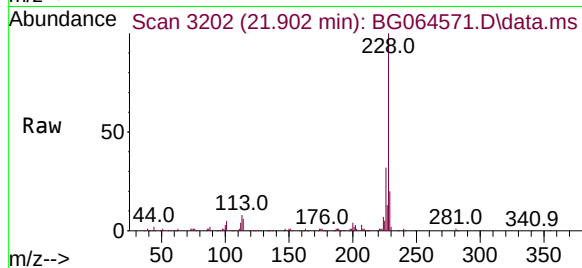
229 19.6 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 9.410 ng

RT: 21.749 min Scan# 3176

Delta R.T. -0.003 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

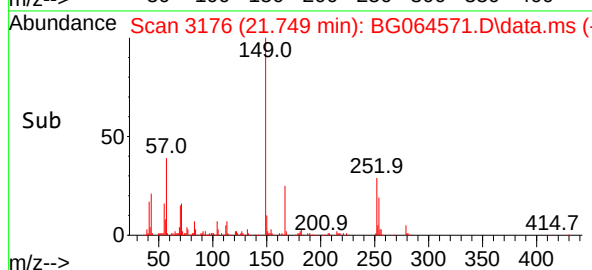
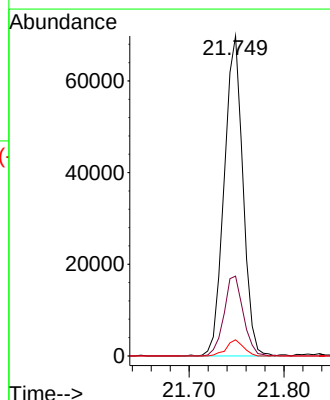
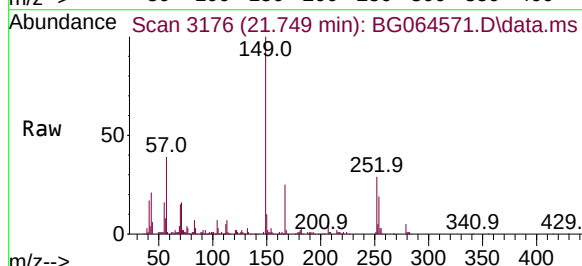
Tgt Ion:149 Resp: 95500

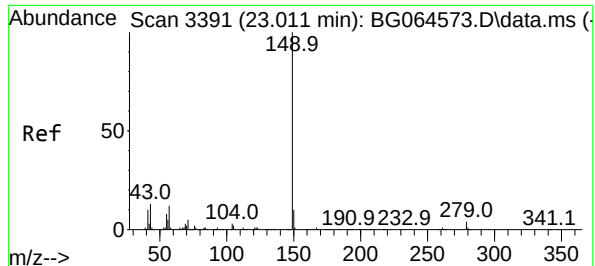
Ion Ratio Lower Upper

149 100

167 24.9 20.0 30.0

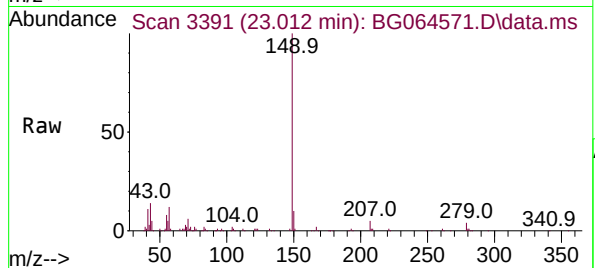
279 5.0 3.1 4.7#





#85
Di-n-octyl phthalate
Concen: 8.759 ng
RT: 23.012 min Scan# 3391
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

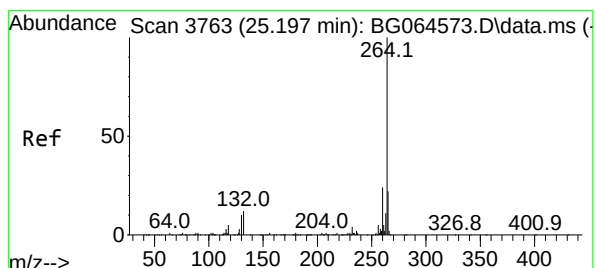
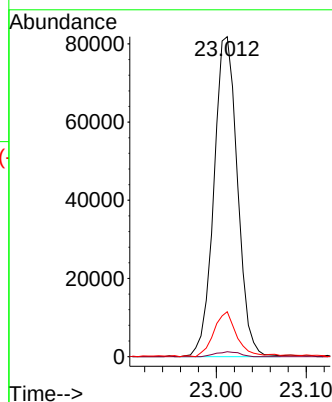
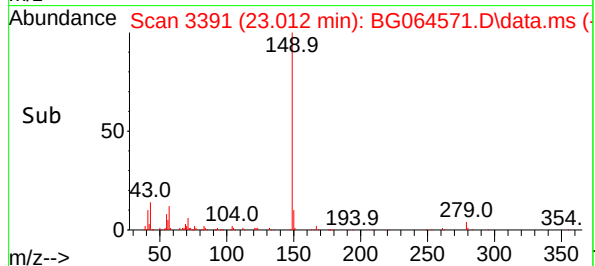
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion:149 Resp: 149872
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.9 10.8 16.2

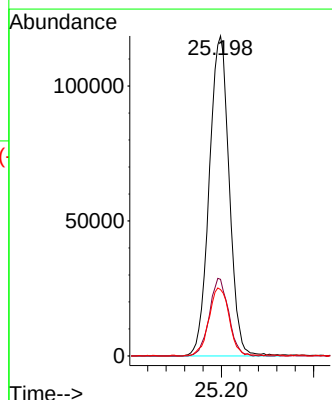
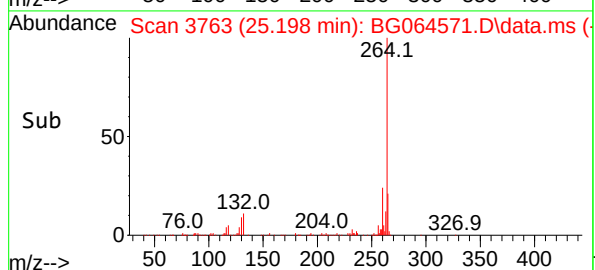
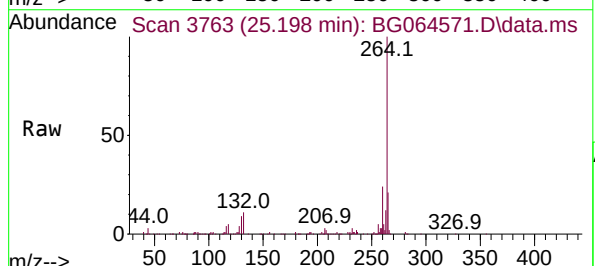
Manual Integrations
APPROVED

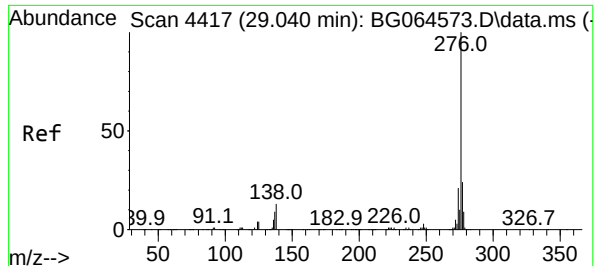
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

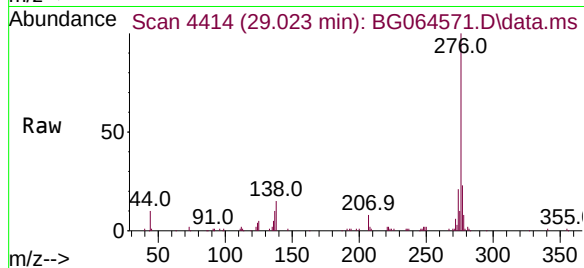
Tgt Ion:264 Resp: 354939
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 20.7 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 10.132 ng
RT: 29.023 min Scan# 4417
Delta R.T. -0.038 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

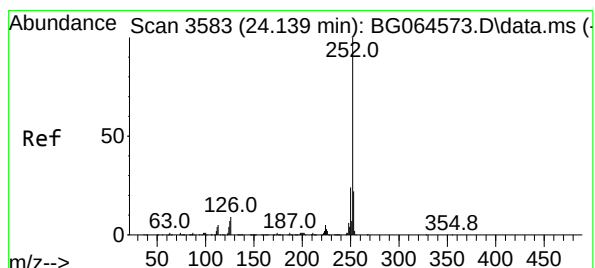
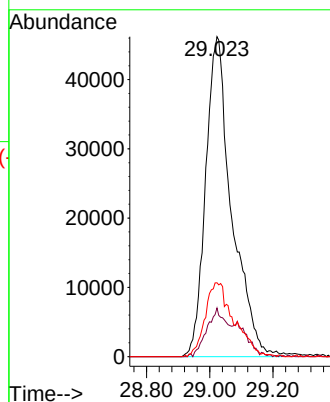
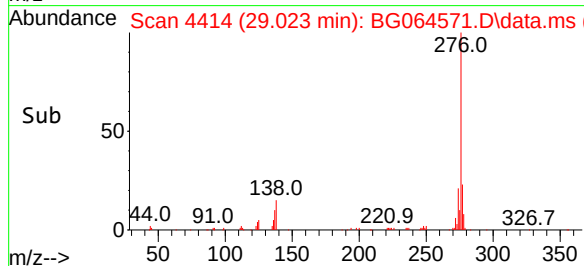
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



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

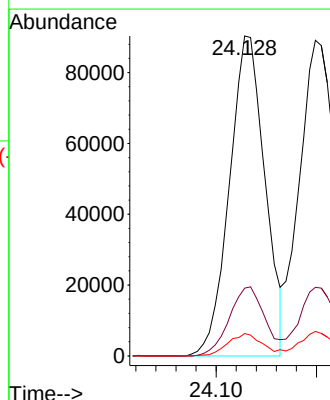
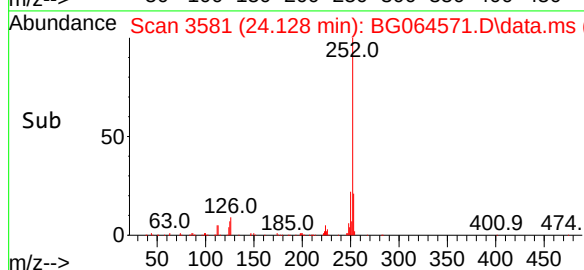
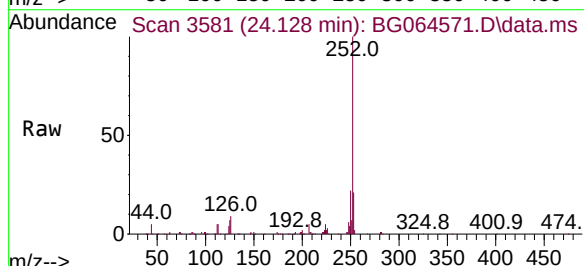
Manual Integrations
APPROVED

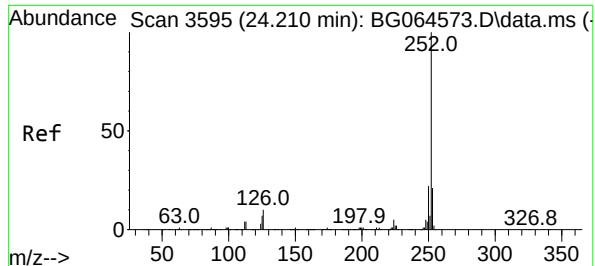
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion: 252 Resp: 221197
Ion Ratio Lower Upper
252 100
253 21.2 17.8 26.8
125 7.0 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 10.270 ng

RT: 24.199 min Scan# 31

Delta R.T. -0.020 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

Instrument :

BNA_G

ClientSampleId :

SSTDICC010

Tgt Ion:252 Resp: 223674

Ion Ratio Lower Upper

252 100

253 21.7 16.8 25.2

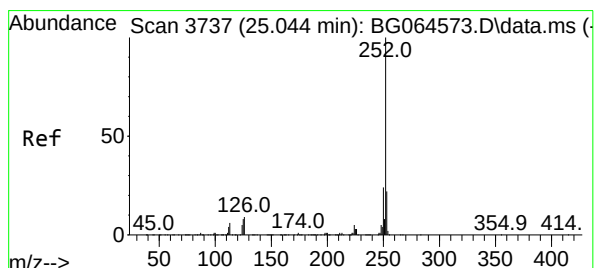
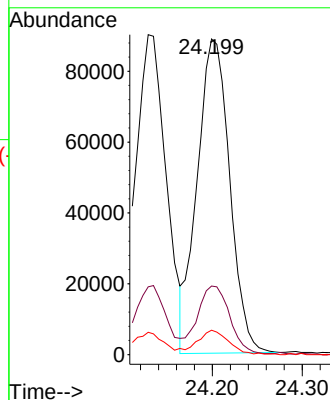
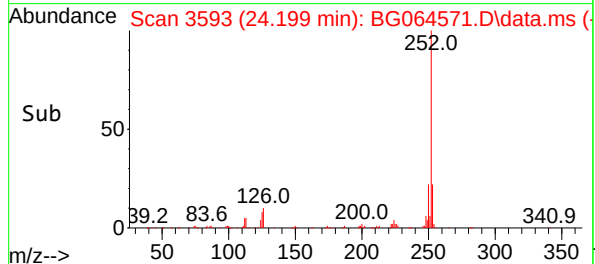
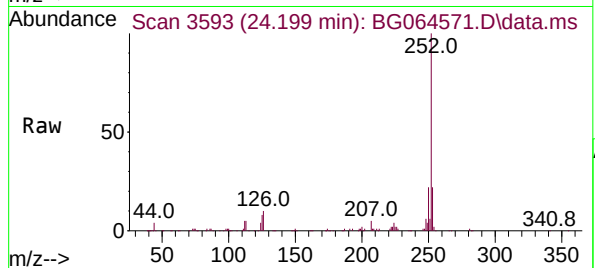
125 7.7 5.4 8.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#90

Benzo(a)pyrene

Concen: 10.146 ng

RT: 25.033 min Scan# 3735

Delta R.T. -0.026 min

Lab File: BG064571.D

Acq: 24 Oct 2025 11:02

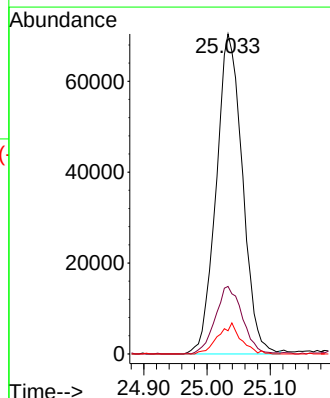
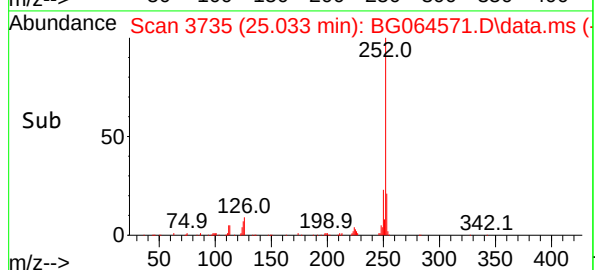
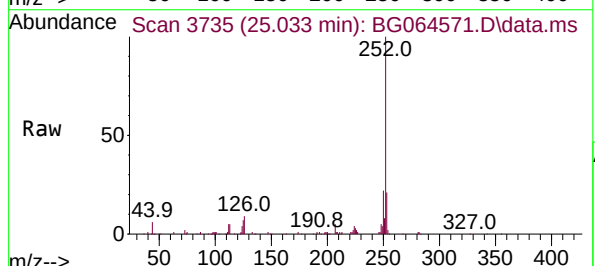
Tgt Ion:252 Resp: 202985

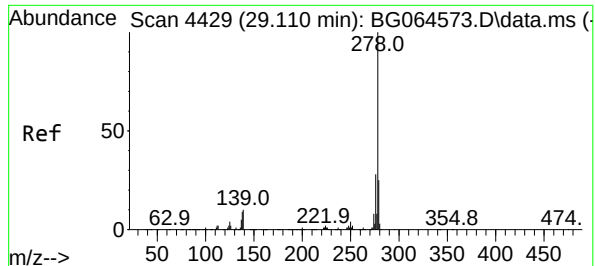
Ion Ratio Lower Upper

252 100

253 21.1 17.6 26.4

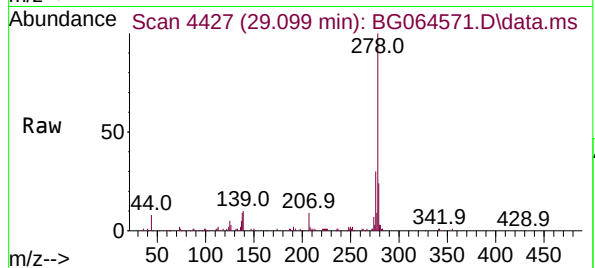
125 7.2 6.1 9.1





#91
Dibenzo(a,h)anthracene
Concen: 10.235 ng
RT: 29.099 min Scan# 4429
Delta R.T. -0.038 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

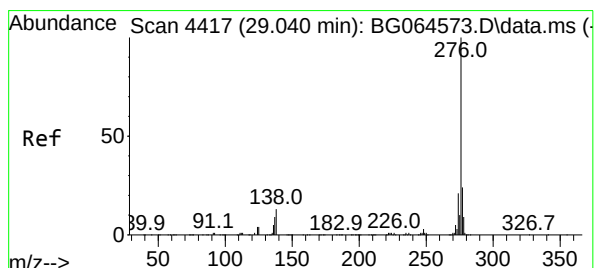
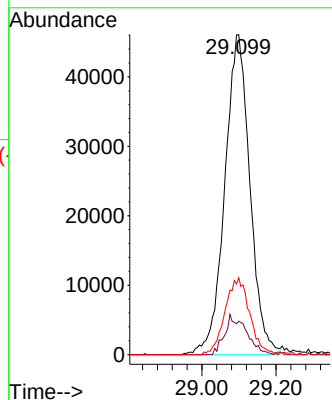
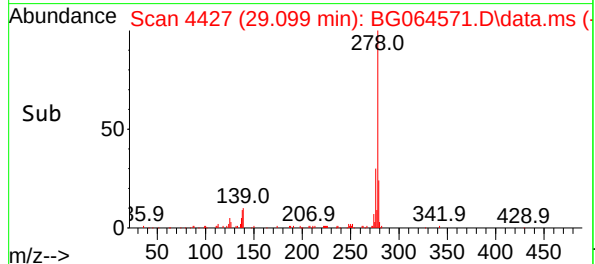
Instrument :
BNA_G
ClientSampleId :
SSTDICC010



Tgt Ion: 278 Resp: 217114
Ion Ratio Lower Upper
278 100
139 10.4 8.0 12.0
279 24.0 19.8 29.6

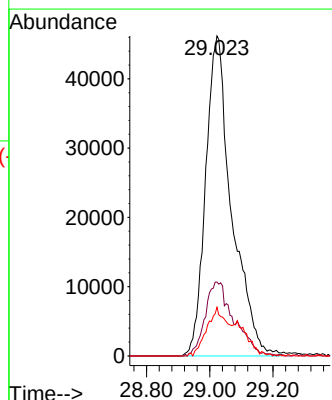
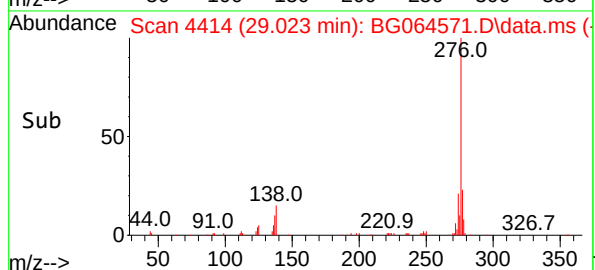
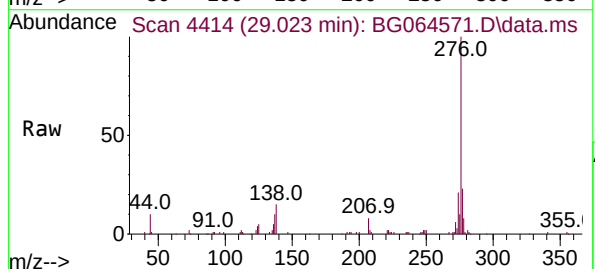
Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion: 276 Resp: 264547
Ion Ratio Lower Upper
276 100
277 23.1 19.2 28.8
138 15.2 10.7 16.1



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

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:03 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	46818	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	192551	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	147520	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	357228	20.000	ng	0.00
76) Chrysene-d12	21.854	240	408574	20.000	ng	0.00
86) Perylene-d12	25.198	264	430370	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.744	112	108123	38.764	ng	0.00
7) Phenol-d6	7.348	99	146608	38.304	ng	0.00
23) Nitrobenzene-d5	9.381	82	121107	37.777	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	80231	37.682	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	385251	39.584	ng	0.00
79) Terphenyl-d14	20.168	244	870741	40.219	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.588	88	24533	19.867	ng	99
3) Pyridine	3.999	79	72660	19.593	ng	96
4) n-Nitrosodimethylamine	3.905	42	37799	19.007	ng	# 90
6) Aniline	7.530	93	99762	19.155	ng	99
8) 2-Chlorophenol	7.777	128	56018	19.187	ng	93
9) Benzaldehyde	7.342	77	46540	22.273	ng	97
10) Phenol	7.377	94	81849	19.337	ng	97
11) bis(2-Chloroethyl)ether	7.530	93	99762	19.155	ng	97
12) 1,3-Dichlorobenzene	8.112	146	65241	19.415	ng	99
13) 1,4-Dichlorobenzene	8.259	146	67506	19.758	ng	94
14) 1,2-Dichlorobenzene	8.582	146	63867	19.380	ng	99
15) Benzyl Alcohol	8.447	79	59123	18.732	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.740	45	158985	19.476	ng	97
17) 2-Methylphenol	8.447	107	30239	19.167	ng	94
18) Hexachloroethane	9.322	117	23663	19.735	ng	97
19) n-Nitroso-di-n-propyla...	9.022	70	52857	19.982	ng	# 94
20) 3+4-Methylphenols	8.969	107	74026	18.730	ng	94
22) Acetophenone	9.040	105	101737	19.328	ng	96
24) Nitrobenzene	9.422	77	66292	19.012	ng	95
25) Isophorone	9.951	82	148388	19.290	ng	98
26) 2-Nitrophenol	10.145	139	21166	17.837	ng	92
27) 2,4-Dimethylphenol	10.192	122	54972	18.834	ng	90
28) bis(2-Chloroethoxy)met...	10.432	93	85225	19.458	ng	97
29) 2,4-Dichlorophenol	10.679	162	60695	19.710	ng	96
30) 1,2,4-Trichlorobenzene	10.908	180	67078	19.171	ng	97
31) Naphthalene	11.096	128	208734	19.552	ng	99
32) Benzoic acid	10.274	122	27545m	18.129	ng	
33) 4-Chloroaniline	11.190	127	79067	19.055	ng	96
34) Hexachlorobutadiene	11.390	225	54233	19.820	ng	98
35) Caprolactam	11.931	113	22010	18.635	ng	93
36) 4-Chloro-3-methylphenol	12.289	107	69582	18.798	ng	92
37) 2-Methylnaphthalene	12.689	142	153445	19.577	ng	97
38) 1-Methylnaphthalene	12.906	142	149456	19.379	ng	97
40) 1,2,4,5-Tetrachloroben...	13.053	216	95653	19.320	ng	99
41) Hexachlorocyclopentadiene	13.035	237	41178	18.479	ng	97
43) 2,4,6-Trichlorophenol	13.276	196	55295	19.525	ng	95

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

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:03 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

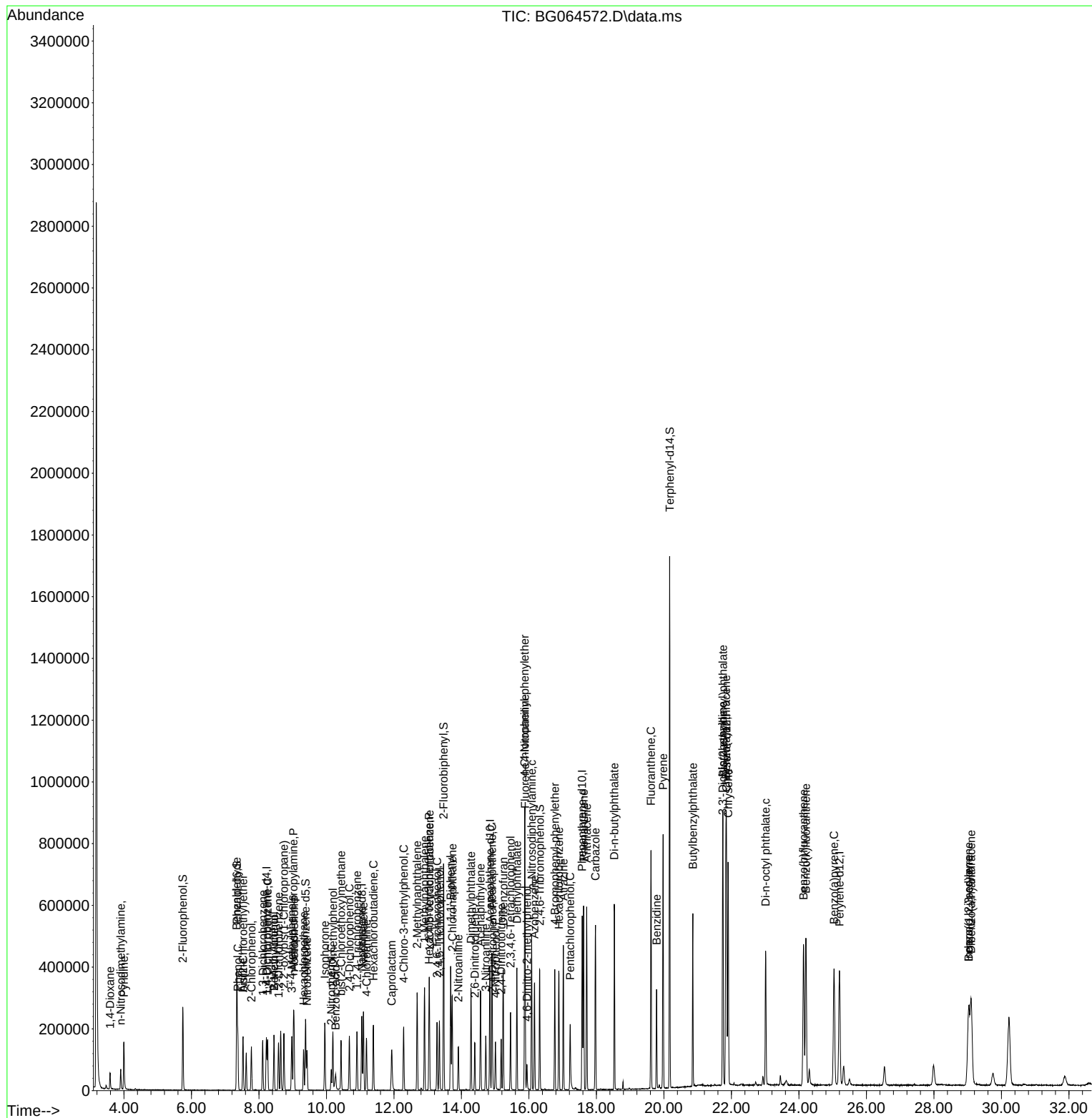
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.347	196	64753	19.814	ng	93
46) 1,1'-Biphenyl	13.682	154	206656	19.705	ng	94
47) 2-Chloronaphthalene	13.729	162	155356	19.625	ng	99
48) 2-Nitroaniline	13.911	65	40854	17.565	ng	98
49) Acenaphthylene	14.563	152	242914	19.454	ng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

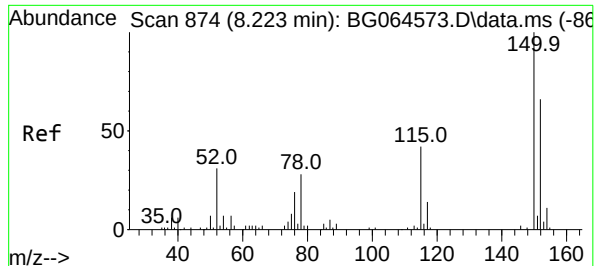
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Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

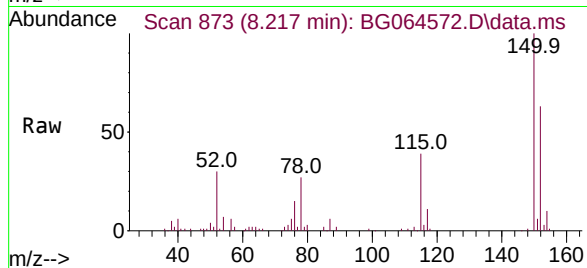
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jaagrut Upadhyay 10/27/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

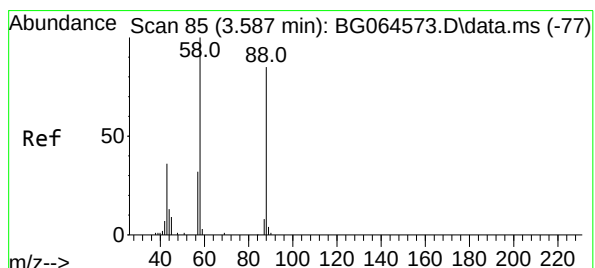
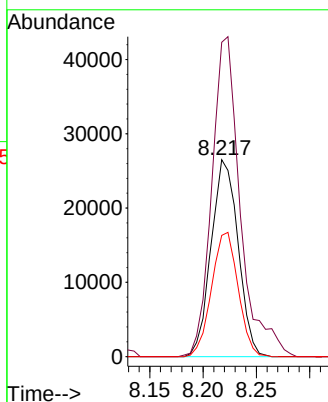
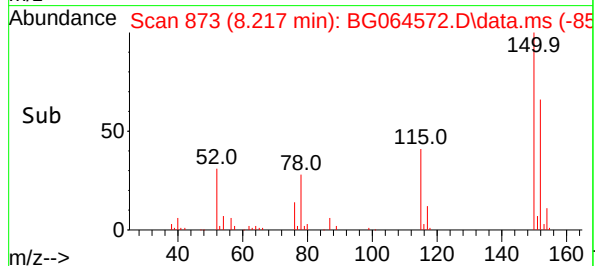
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:152 Resp: 46818
Ion Ratio Lower Upper
152 100
150 159.6 122.2 183.4
115 61.5 50.8 76.2

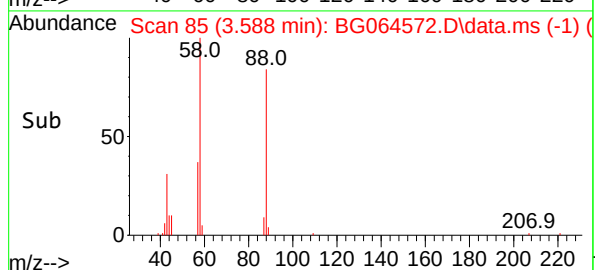
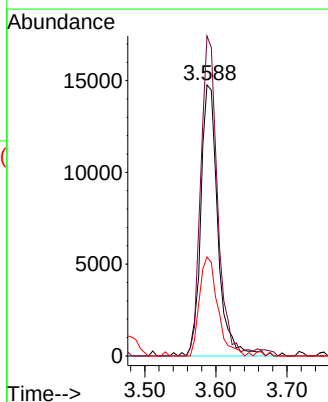
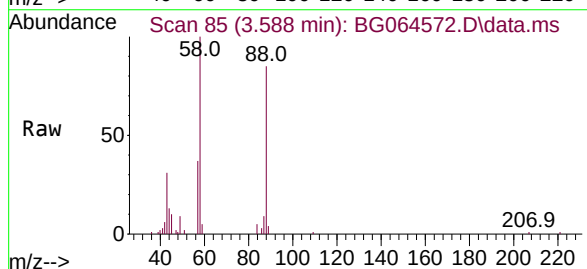
Manual Integrations
APPROVED

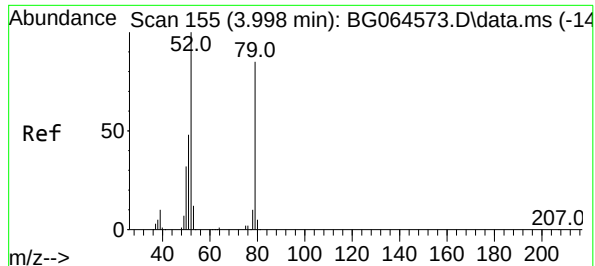
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

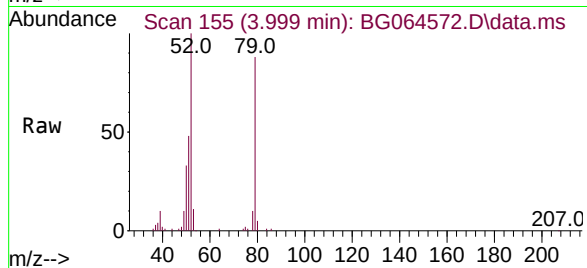
Tgt Ion: 88 Resp: 24533
Ion Ratio Lower Upper
88 100
58 114.9 92.4 138.6
43 38.9 33.0 49.6





#3
Pyridine
Concen: 19.593 ng
RT: 3.999 min Scan# 11
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

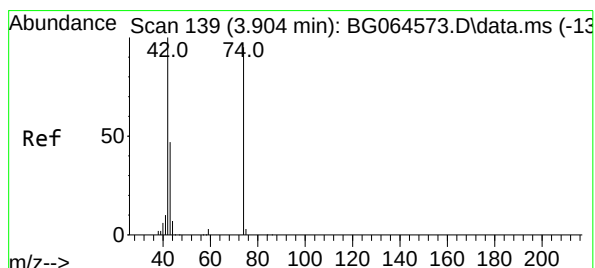
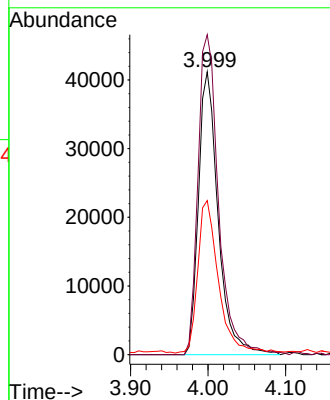
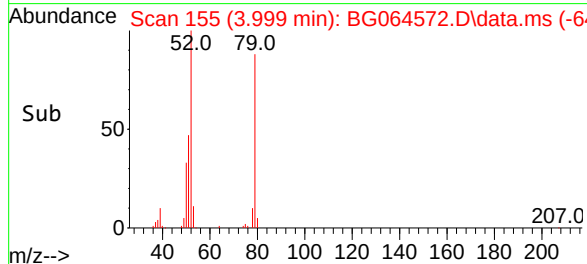
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion: 79 Resp: 72660
Ion Ratio Lower Upper
79 100
52 113.1 94.2 141.2
51 54.4 46.1 69.1

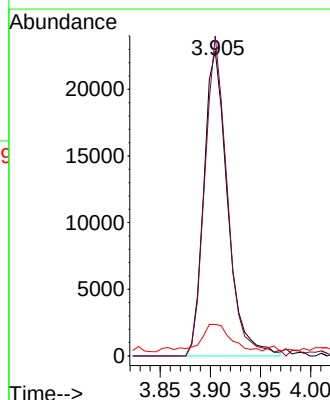
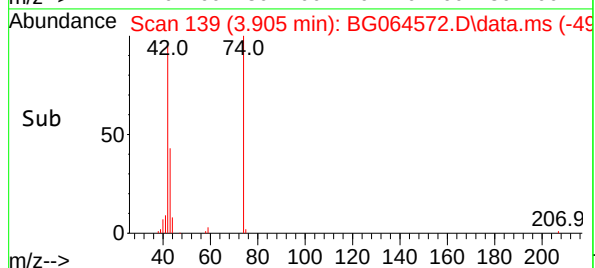
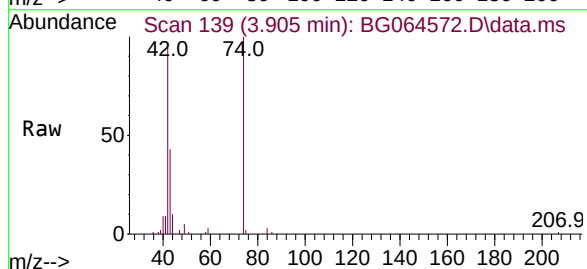
Manual Integrations
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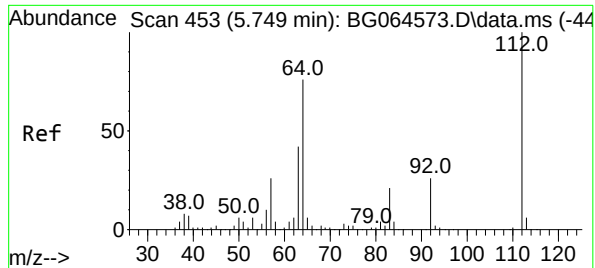
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

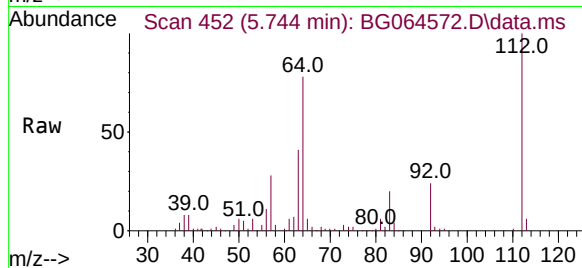
Tgt Ion: 42 Resp: 37799
Ion Ratio Lower Upper
42 100
74 105.0 76.1 114.1
44 10.3 6.3 9.5#





#5
2-Fluorophenol
Concen: 38.764 ng
RT: 5.744 min Scan# 452
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

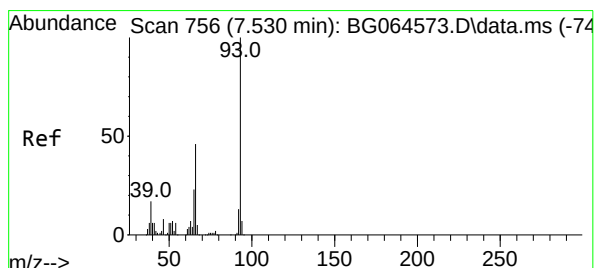
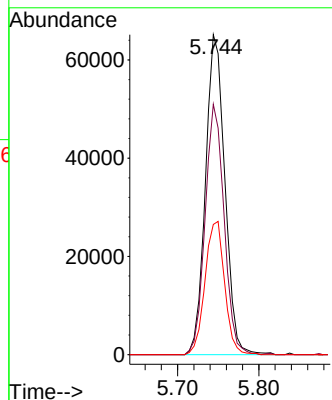
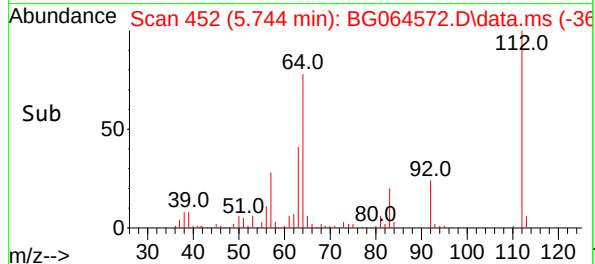
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion: 112 Resp: 108123
Ion Ratio Lower Upper
112 100
64 78.2 60.7 91.1
63 40.7 33.4 50.0

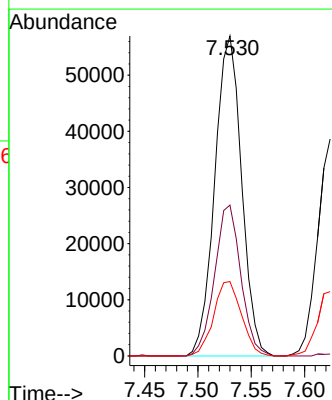
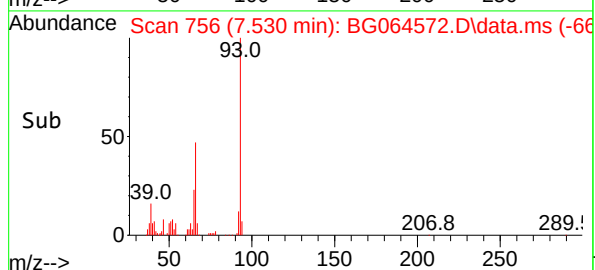
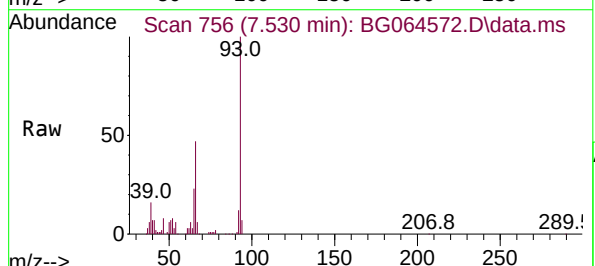
Manual Integrations
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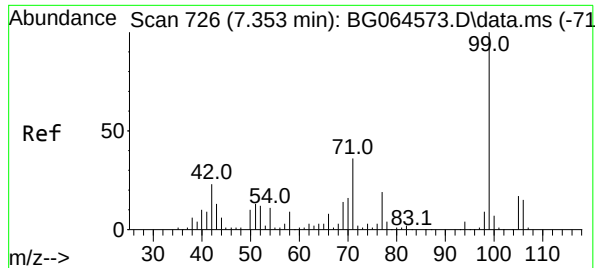
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion: 93 Resp: 99762
Ion Ratio Lower Upper
93 100
66 47.2 37.0 55.6
65 23.2 18.3 27.5





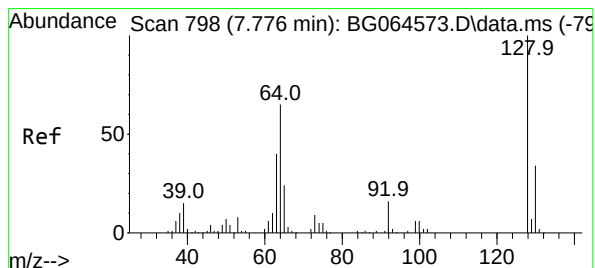
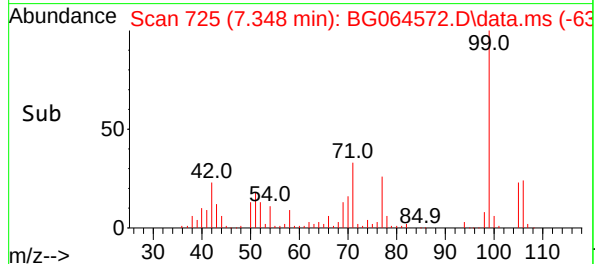
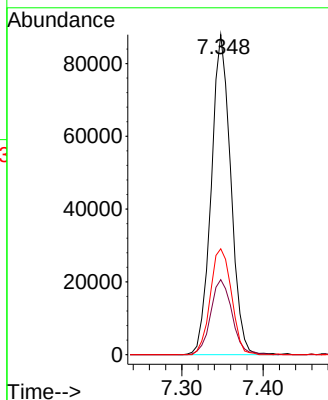
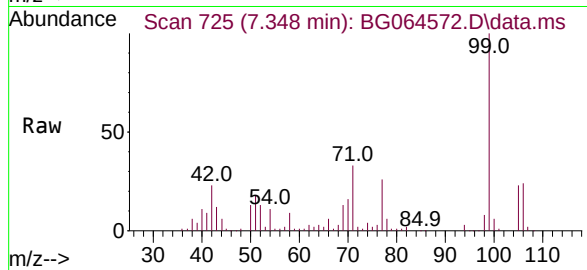
#7
Phenol-d6
Concen: 38.304 ng
RT: 7.348 min Scan# 725
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 146608
Ion Ratio Lower Upper
99 100
42 23.4 18.3 27.5
71 33.1 28.6 43.0

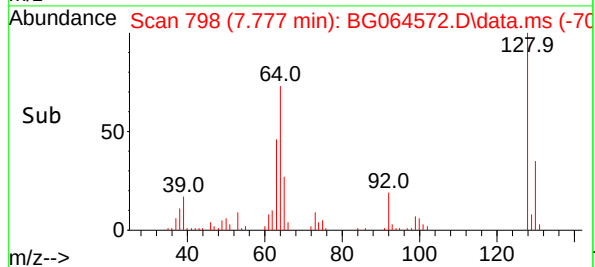
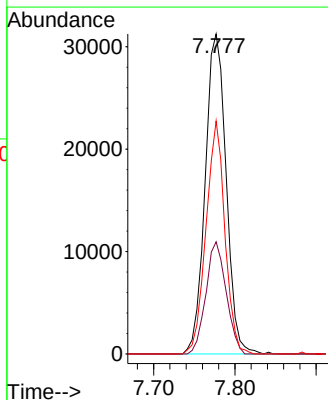
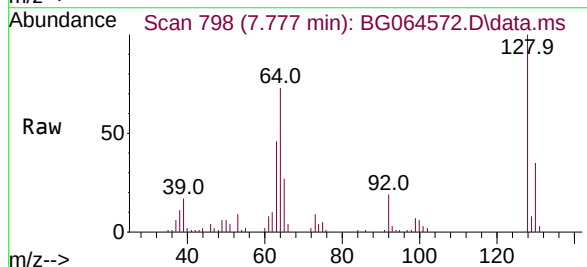
Manual Integrations
APPROVED

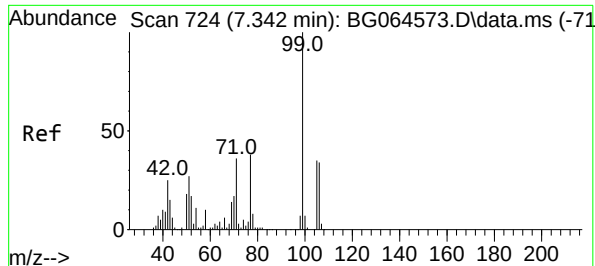
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

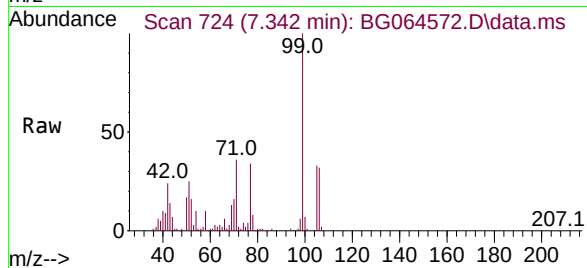
Tgt Ion:128 Resp: 56018
Ion Ratio Lower Upper
128 100
130 35.0 13.5 53.5
64 72.8 45.2 85.2





#9
Benzaldehyde
Concen: 22.273 ng
RT: 7.342 min Scan# 71
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

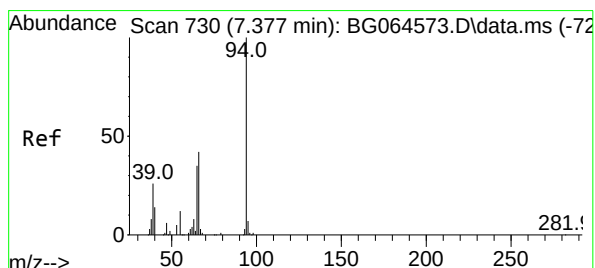
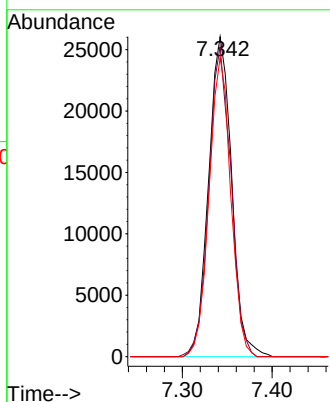
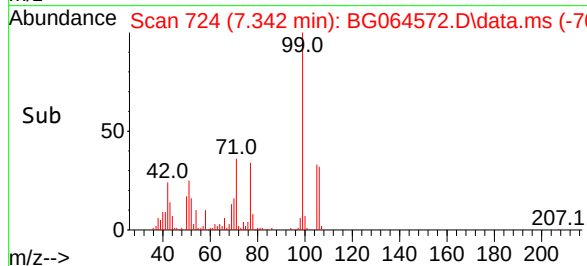
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BNA_G
ClientSampleId :
SSTDICC020



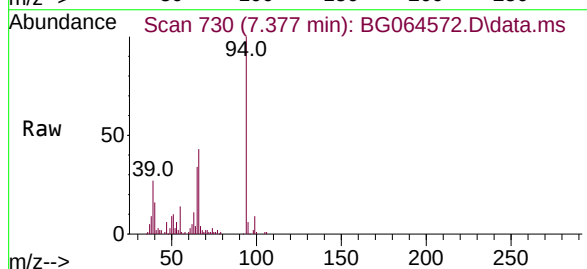
Tgt Ion: 77 Resp: 46540
Ion Ratio Lower Upper
77 100
105 96.8 72.9 112.9
106 93.4 70.8 110.8

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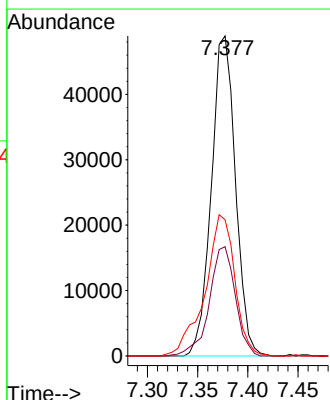
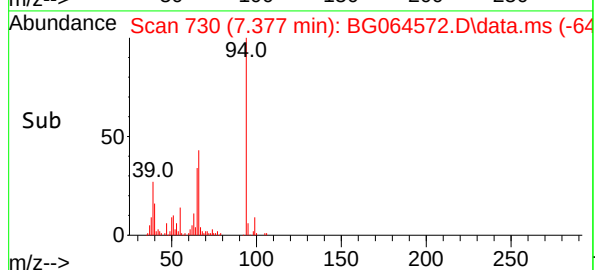
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

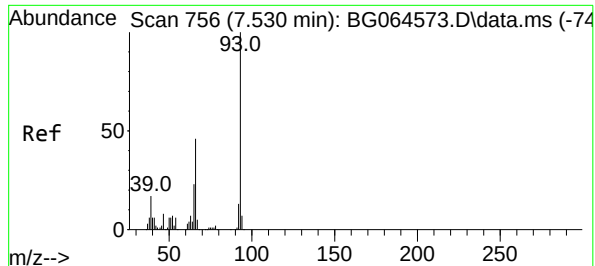


#10
Phenol
Concen: 19.337 ng
RT: 7.377 min Scan# 730
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



Tgt Ion: 94 Resp: 81849
Ion Ratio Lower Upper
94 100
65 34.1 15.8 55.8
66 42.5 24.0 64.0





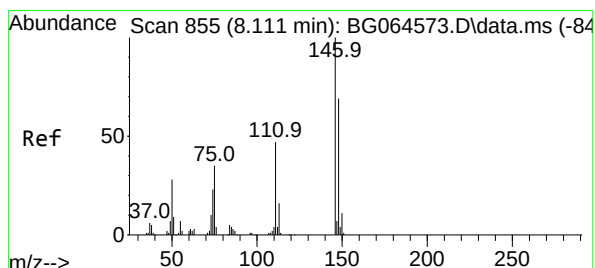
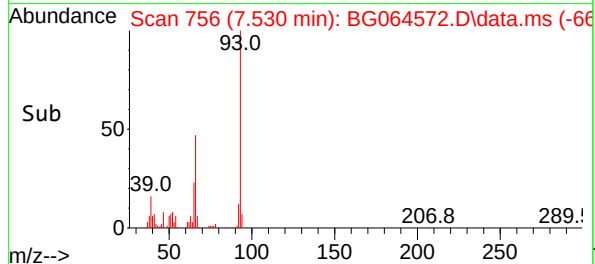
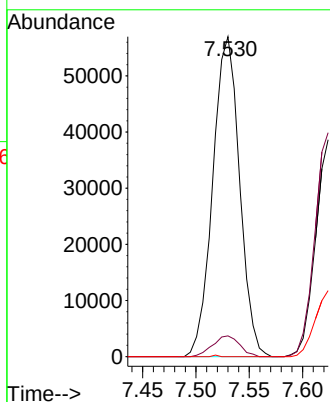
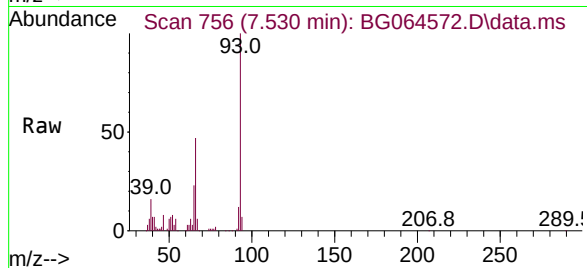
#11
bis(2-Chloroethyl)ether
Concen: 19.155 ng
RT: 7.530 min Scan# 756
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 99762
Ion Ratio Lower Upper
93 100
63 6.5 0.0 27.4
95 0.0 0.0 20.2

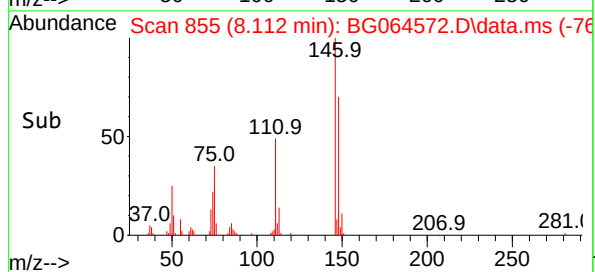
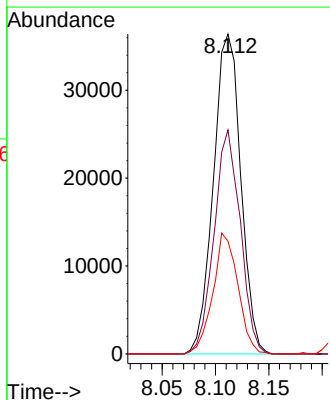
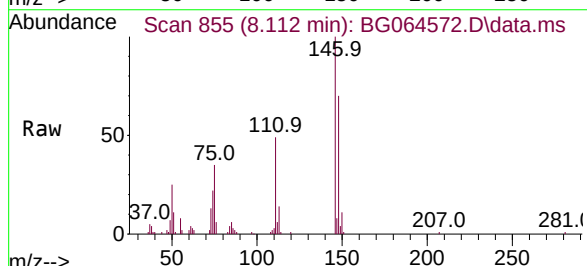
Manual Integrations
APPROVED

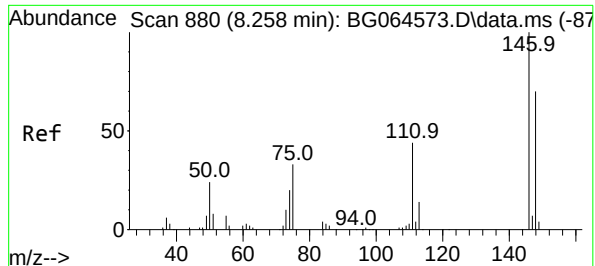
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:146 Resp: 65241
Ion Ratio Lower Upper
146 100
148 70.0 55.3 82.9
75 35.2 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 19.758 ng

RT: 8.259 min Scan# 880

Delta R.T. 0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion:146 Resp: 67506

Ion Ratio Lower Upper

146 100

148 62.4 56.2 84.4

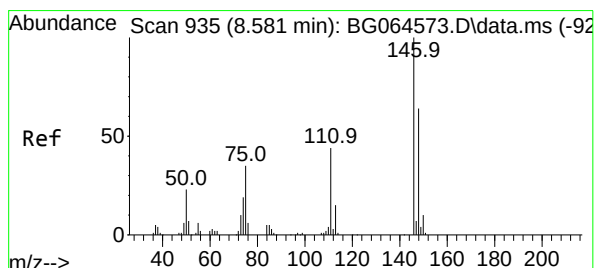
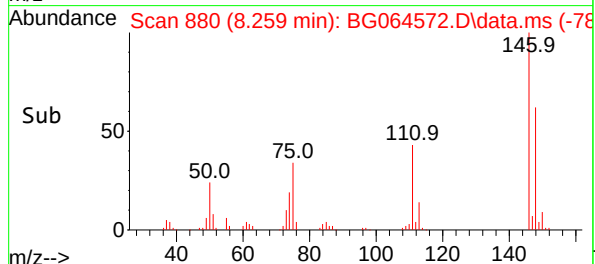
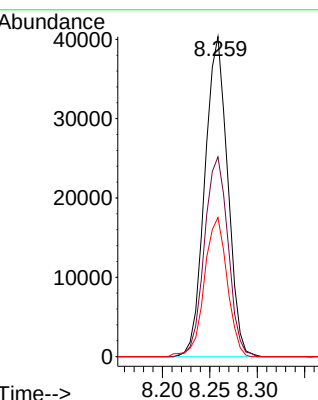
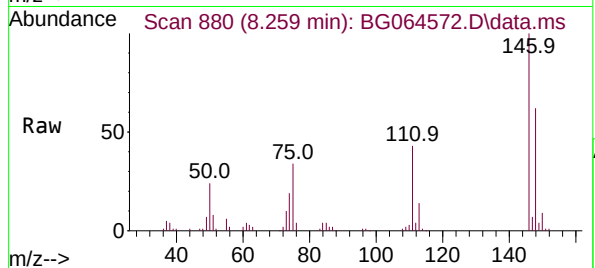
111 43.5 35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#14

1,2-Dichlorobenzene

Concen: 19.380 ng

RT: 8.582 min Scan# 935

Delta R.T. 0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

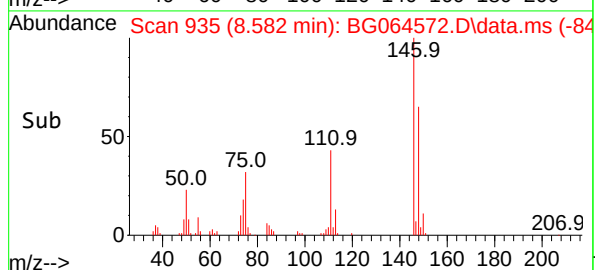
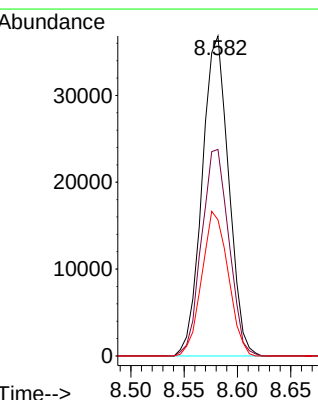
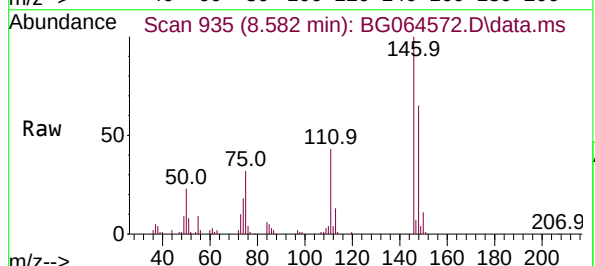
Tgt Ion:146 Resp: 63867

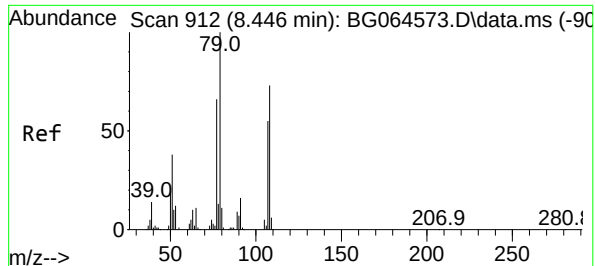
Ion Ratio Lower Upper

146 100

148 64.5 51.5 77.3

111 42.5 35.0 52.6





#15

Benzyl Alcohol

Concen: 18.732 ng

RT: 8.447 min Scan# 912

Delta R.T. -0.009 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion: 79 Resp: 59123

Ion Ratio Lower Upper

79 100

108 70.4 58.1 87.1

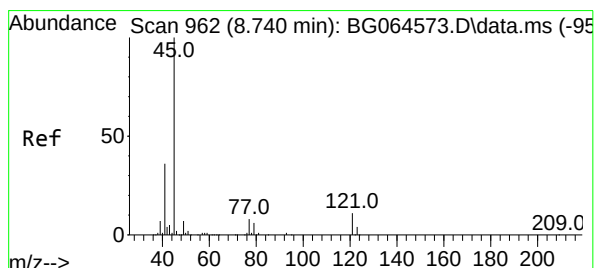
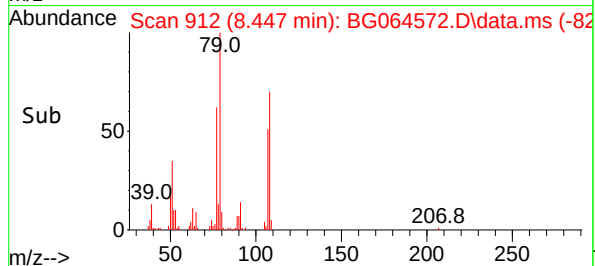
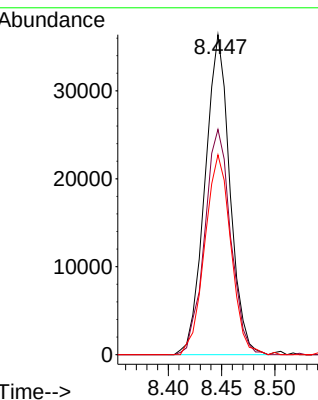
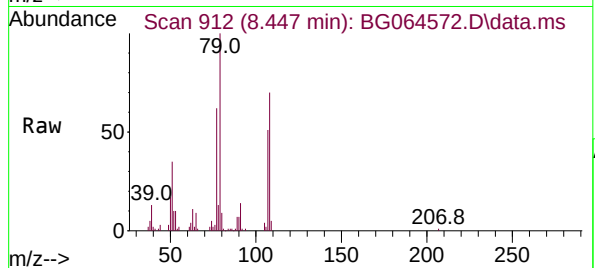
77 62.4 52.8 79.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 19.476 ng

RT: 8.740 min Scan# 962

Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

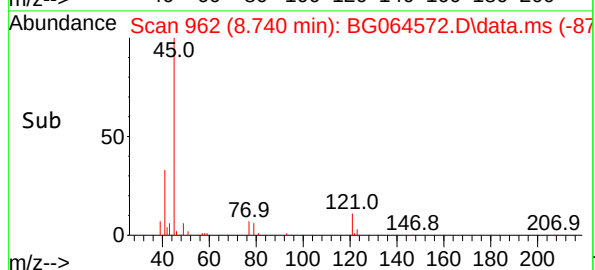
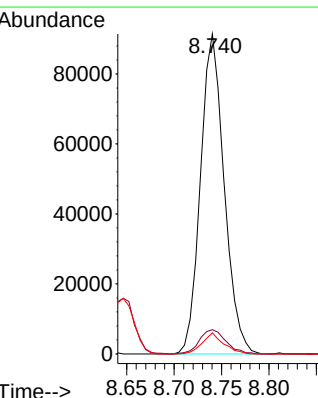
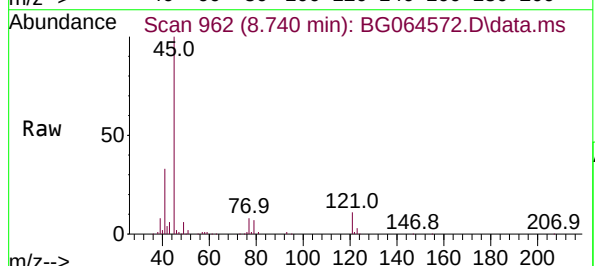
Tgt Ion: 45 Resp: 158985

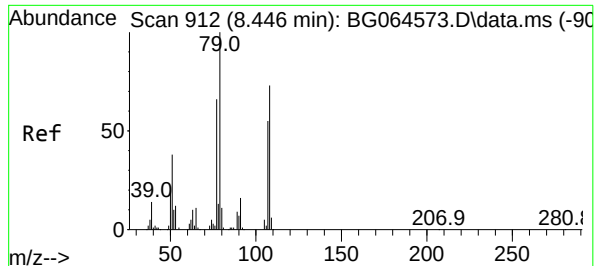
Ion Ratio Lower Upper

45 100

77 7.6 0.0 28.5

79 6.6 0.0 25.6





#17

2-Methylphenol

Concen: 19.167 ng

RT: 8.447 min Scan# 912

Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion:107 Resp: 30239

Ion Ratio Lower Upper

107 100

108 138.3 106.4 159.6

77 122.7 96.7 145.1

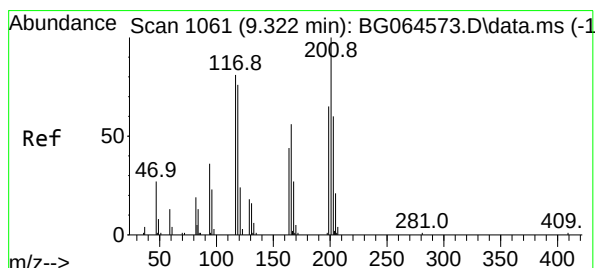
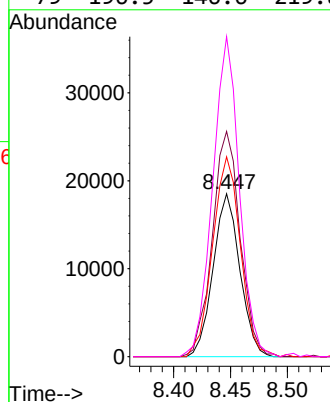
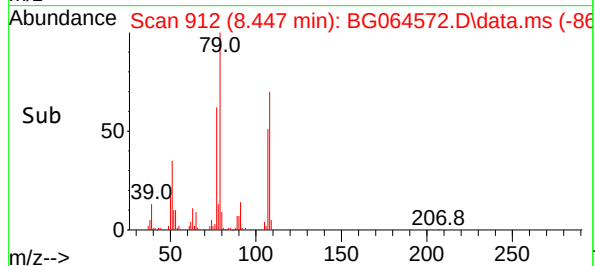
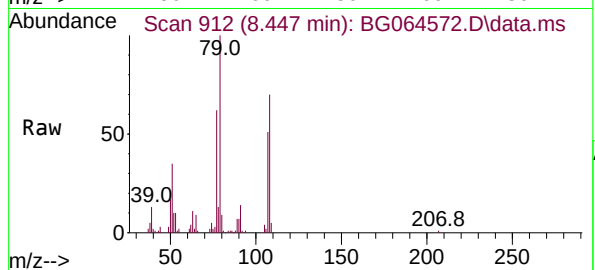
79 196.5 146.6 219.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#18

Hexachloroethane

Concen: 19.735 ng

RT: 9.322 min Scan# 1061

Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

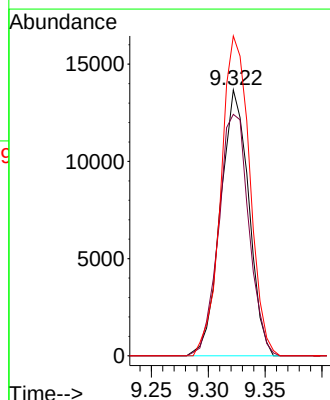
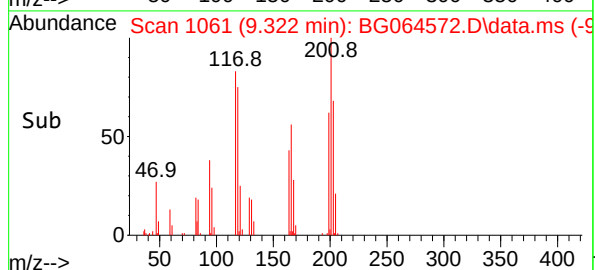
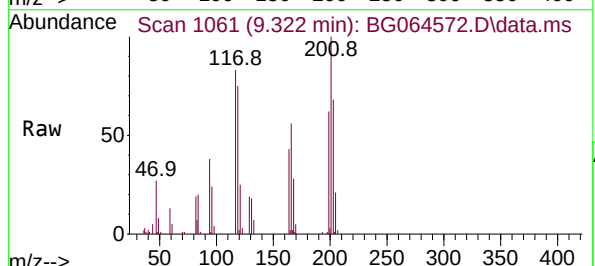
Tgt Ion:117 Resp: 23663

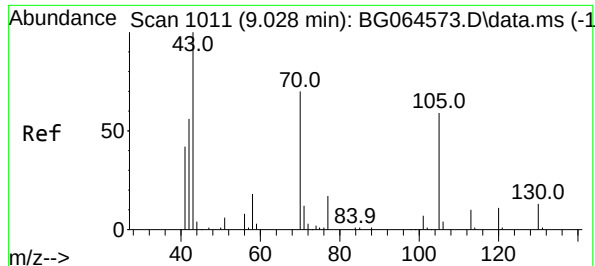
Ion Ratio Lower Upper

117 100

119 90.8 75.4 113.2

201 120.3 99.2 148.8





#19

n-Nitroso-di-n-propylamine

Concen: 19.982 ng

RT: 9.022 min Scan# 10

Delta R.T. -0.009 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

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

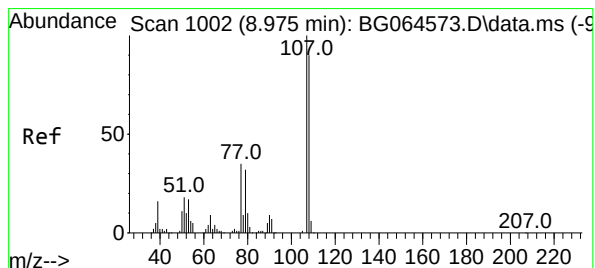
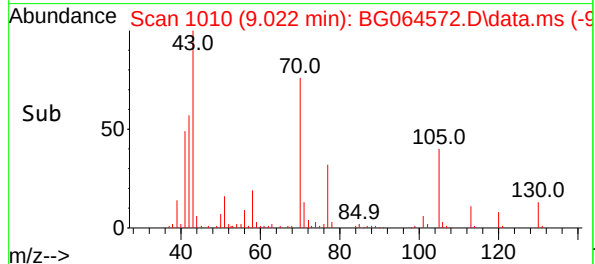
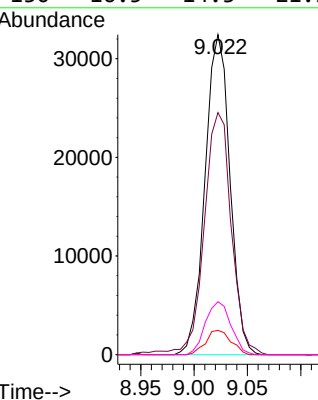
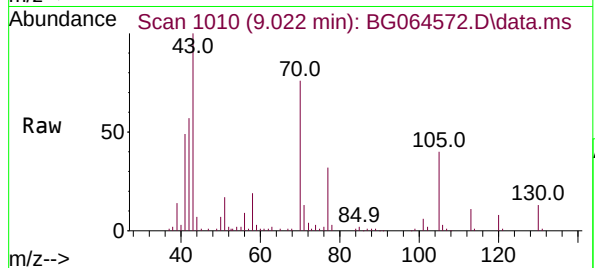
130 16.5 14.3 21.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#20

3+4-Methylphenols

Concen: 18.730 ng

RT: 8.969 min Scan# 1001

Delta R.T. -0.015 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Tgt Ion:107 Resp: 74026

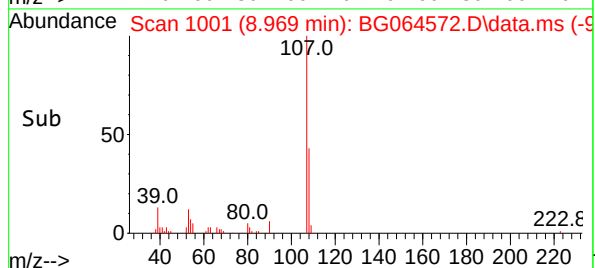
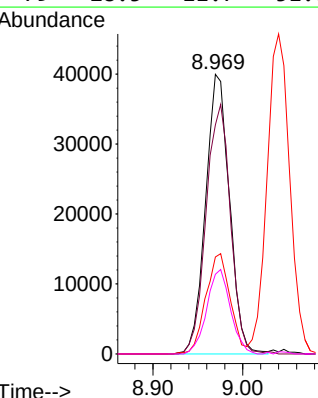
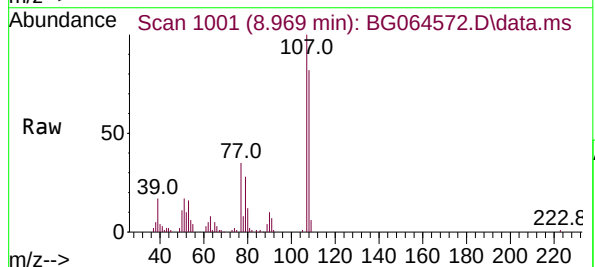
Ion Ratio Lower Upper

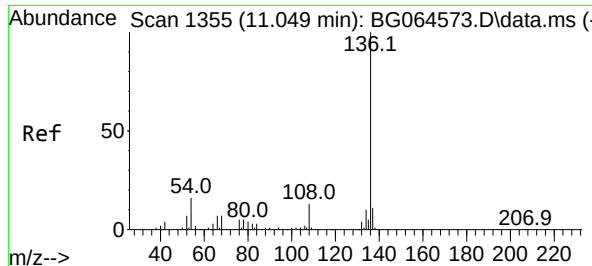
107 100

108 81.9 70.3 110.3

77 34.6 14.6 54.6

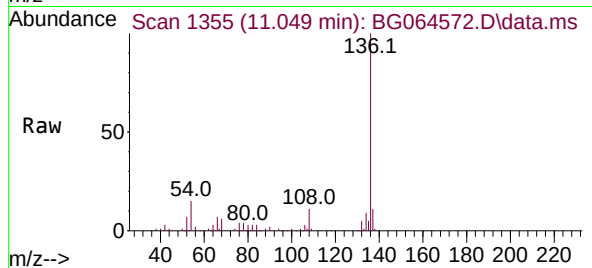
79 28.5 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1355
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

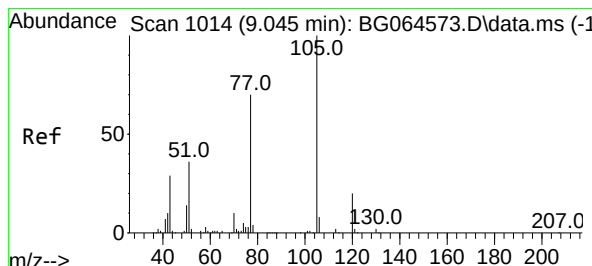
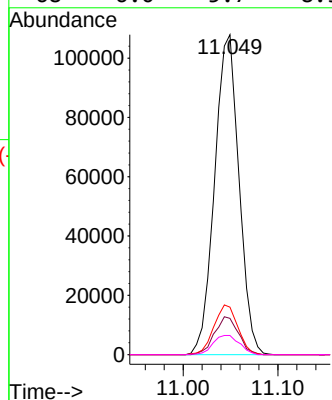
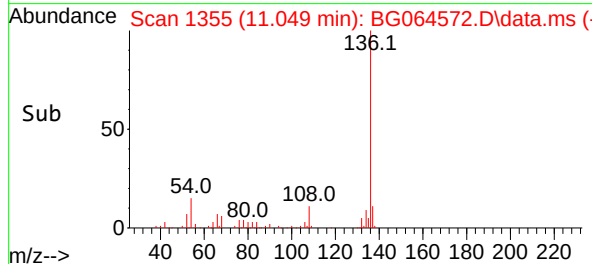
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



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

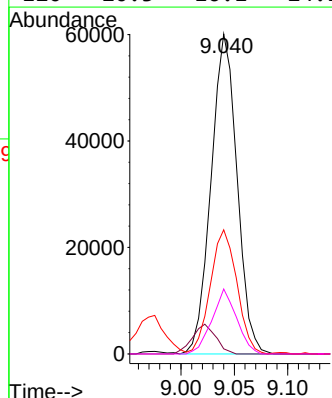
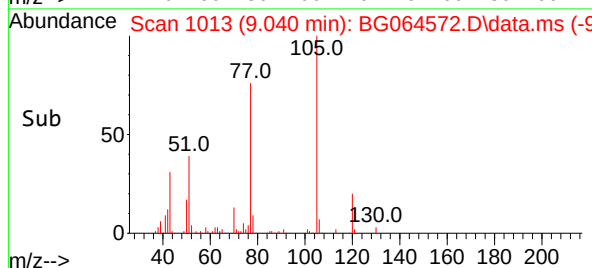
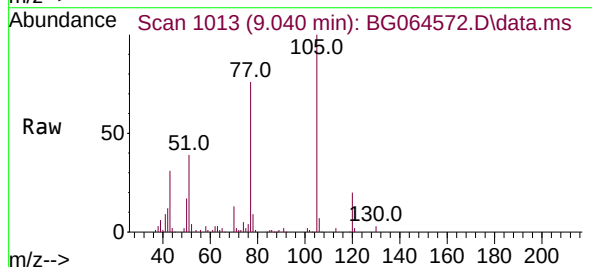
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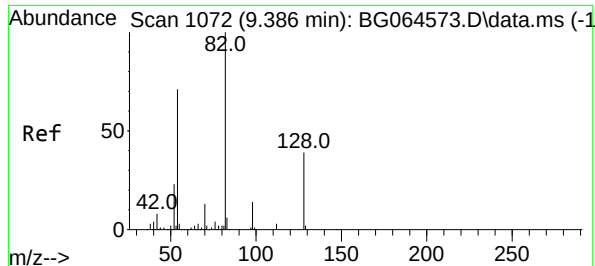
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:105 Resp: 101737
Ion Ratio Lower Upper
105 100
71 1.6 1.5 2.3
51 38.8 33.7 50.5
120 20.3 16.1 24.1





#23

Nitrobenzene-d5

Concen: 37.777 ng

RT: 9.381 min Scan# 1071

Delta R.T. -0.009 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion: 82 Resp: 121107

Ion Ratio Lower Upper

82 100

128 39.2 31.3 46.9

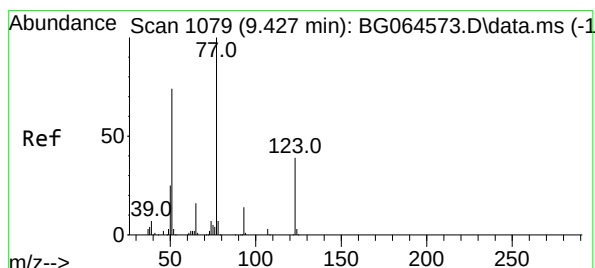
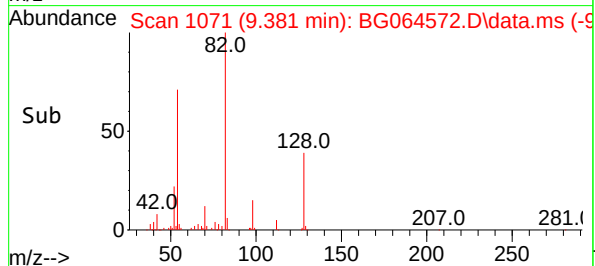
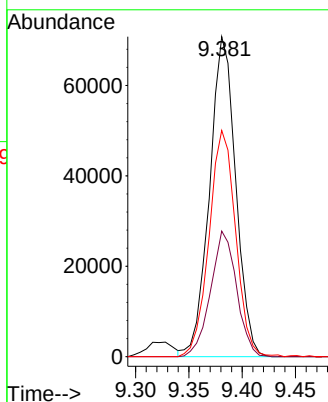
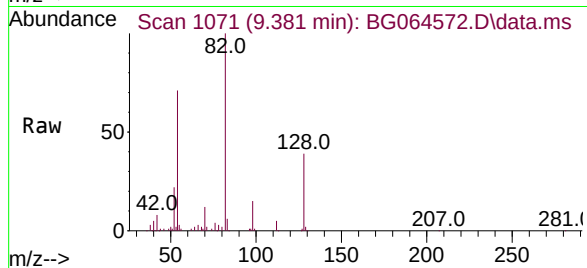
54 70.7 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#24

Nitrobenzene

Concen: 19.012 ng

RT: 9.422 min Scan# 1078

Delta R.T. -0.009 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

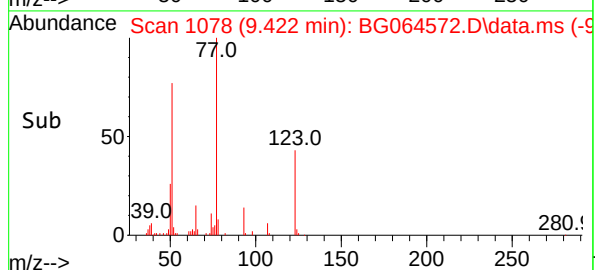
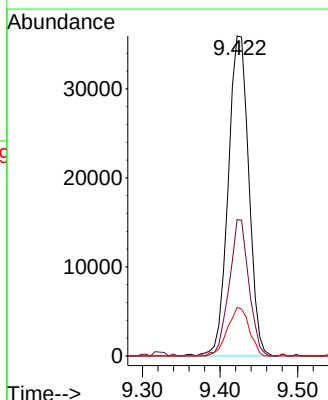
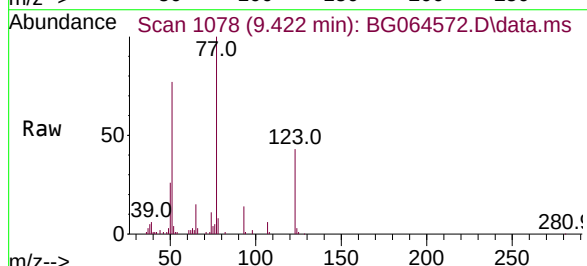
Tgt Ion: 77 Resp: 66292

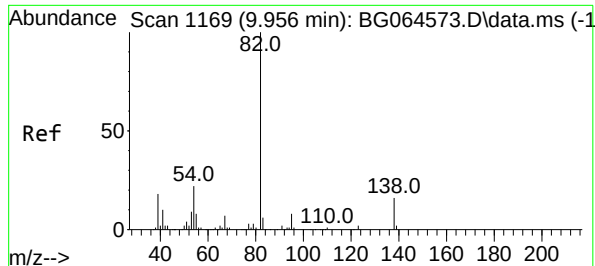
Ion Ratio Lower Upper

77 100

123 42.6 31.0 46.6

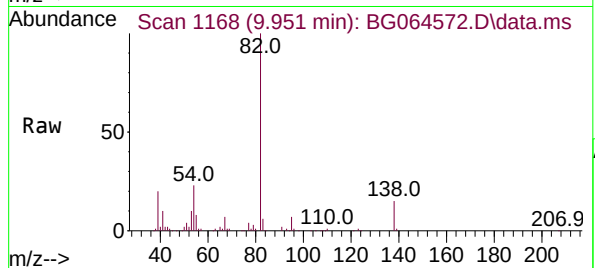
65 15.1 12.7 19.1





#25
Isophorone
Concen: 19.290 ng
RT: 9.951 min Scan# 1168
Delta R.T. -0.015 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

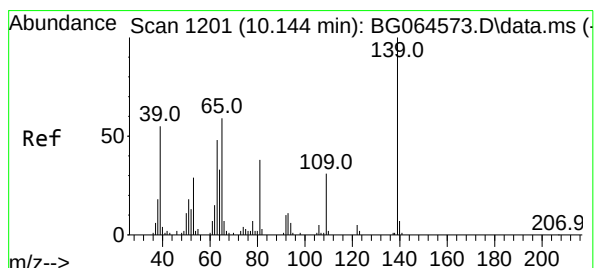
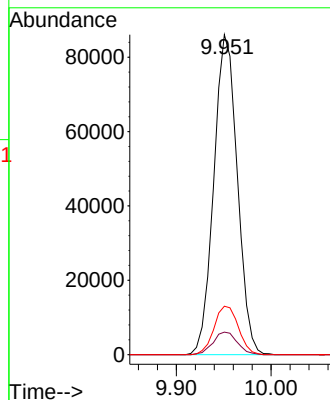
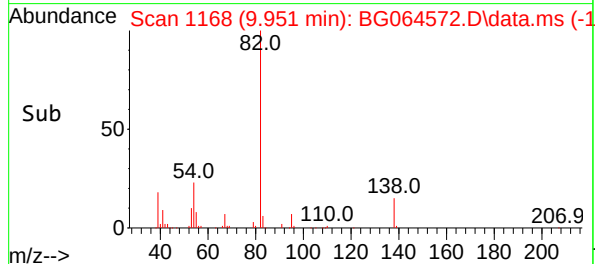
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion: 82 Resp: 148388
Ion Ratio Lower Upper
82 100
95 7.0 6.1 9.1
138 15.1 13.0 19.4

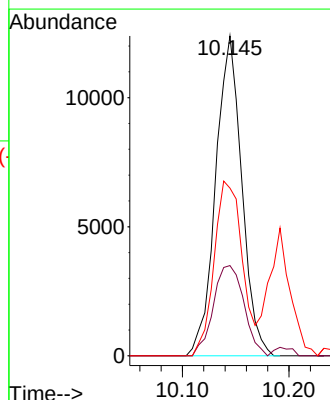
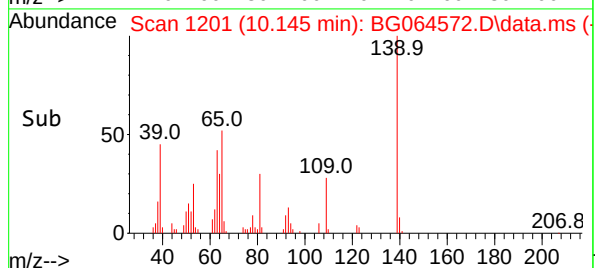
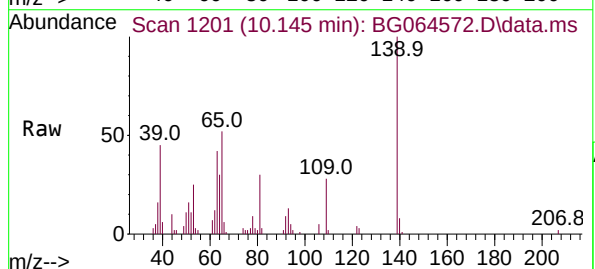
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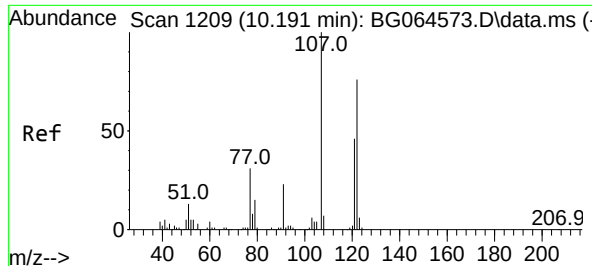
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:139 Resp: 21166
Ion Ratio Lower Upper
139 100
109 28.2 24.6 37.0
65 52.4 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 18.834 ng

RT: 10.192 min Scan# 1209

Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

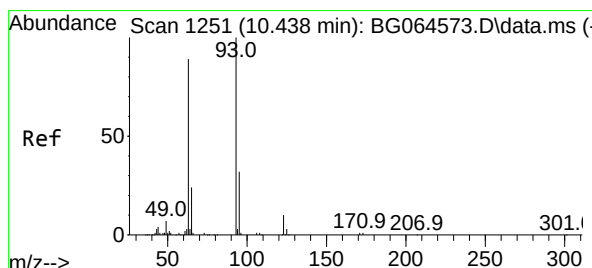
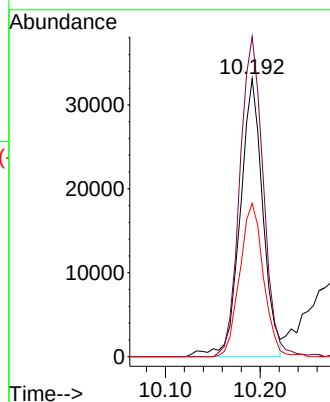
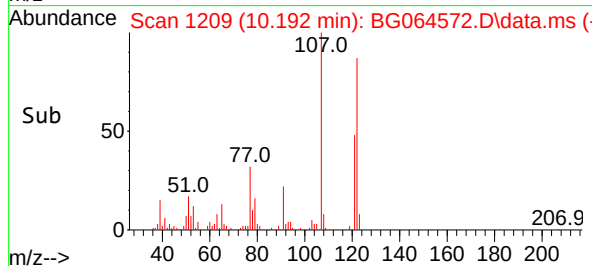
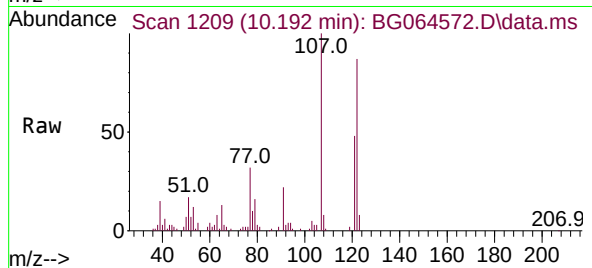
SSTDICC020

Tgt Ion:122 Resp: 54972
Ion Ratio Lower Upper
122 100
107 115.2 103.0 154.4
121 55.1 47.8 71.8

Manual Integrations

APPROVED

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



#28

bis(2-Chloroethoxy)methane

Concen: 19.458 ng

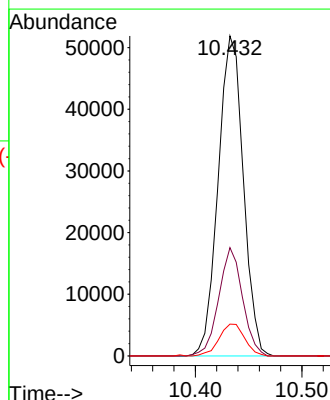
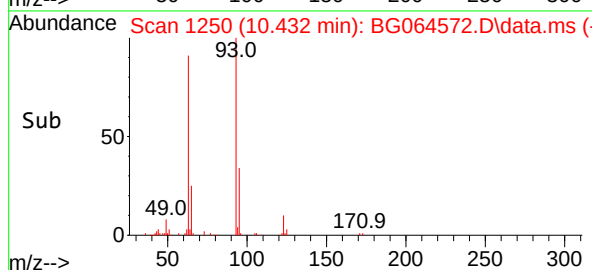
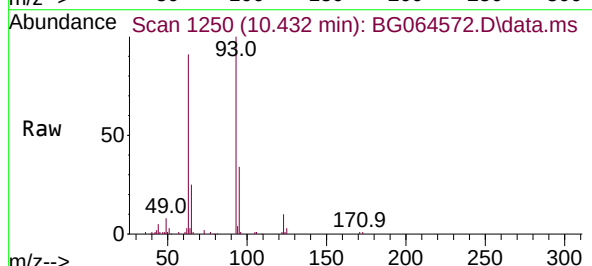
RT: 10.432 min Scan# 1250

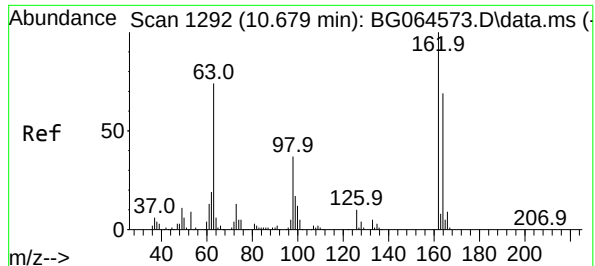
Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Tgt Ion: 93 Resp: 85225
Ion Ratio Lower Upper
93 100
95 33.8 25.4 38.2
123 9.9 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 19.710 ng

RT: 10.679 min Scan# 1292

Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

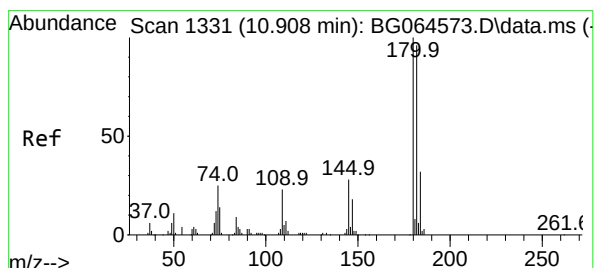
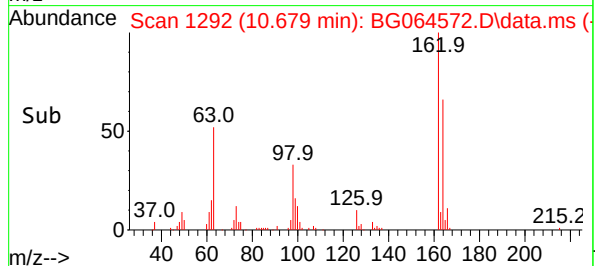
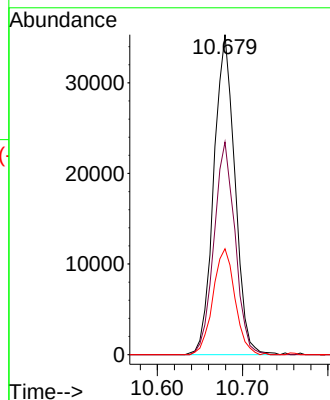
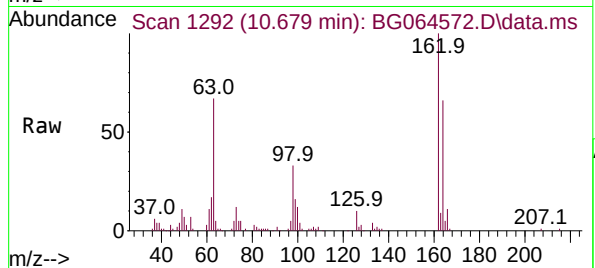
Tgt Ion:	162	Resp:	60695
Ion Ratio	Lower	Upper	
162	100		
164	66.4	48.7	88.7
98	33.1	16.9	56.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#30

1,2,4-Trichlorobenzene

Concen: 19.171 ng

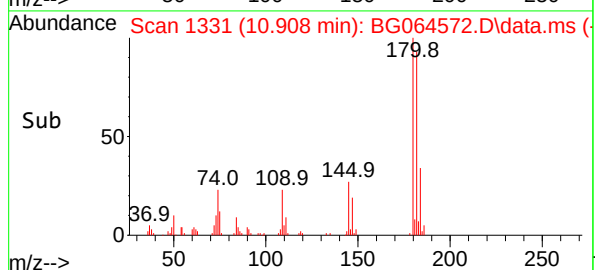
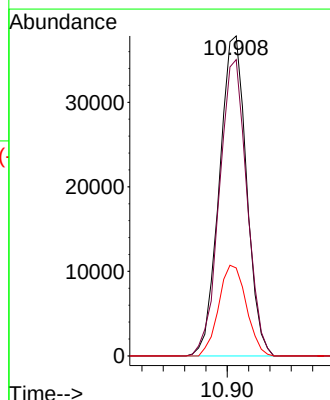
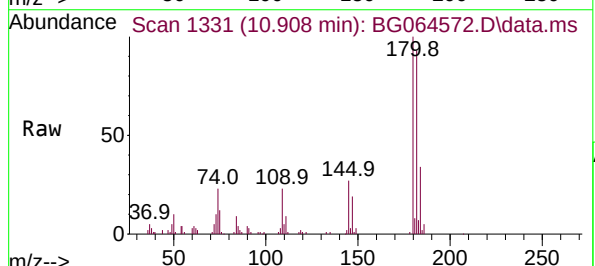
RT: 10.908 min Scan# 1331

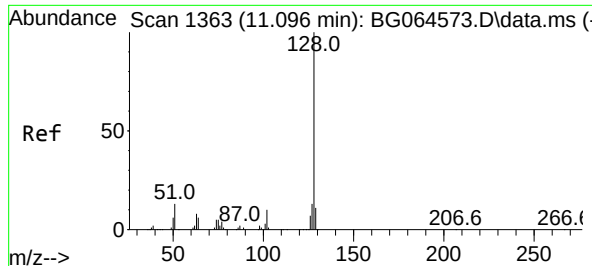
Delta R.T. 0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

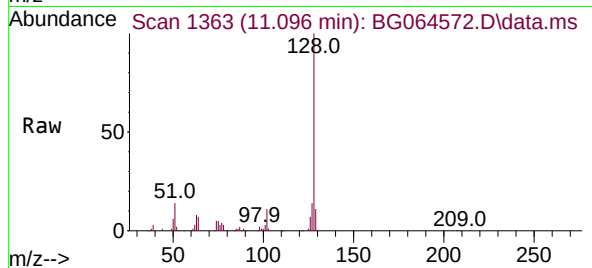
Tgt Ion:	180	Resp:	67078
Ion Ratio	Lower	Upper	
180	100		
182	92.6	76.9	115.3
145	27.5	22.1	33.1





#31
Naphthalene
Concen: 19.552 ng
RT: 11.096 min Scan# 1363
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

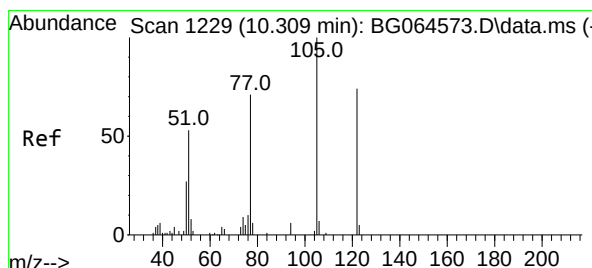
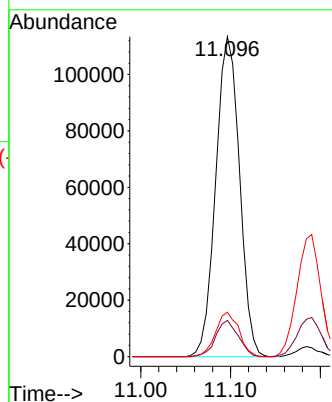
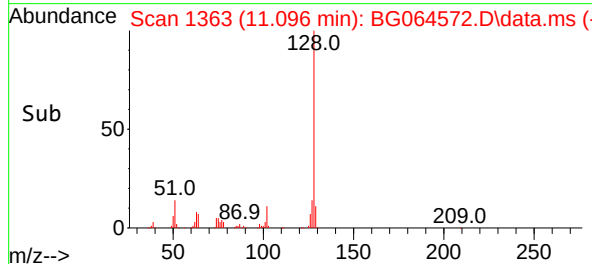
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:128 Resp: 208734
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.9 10.6 15.8

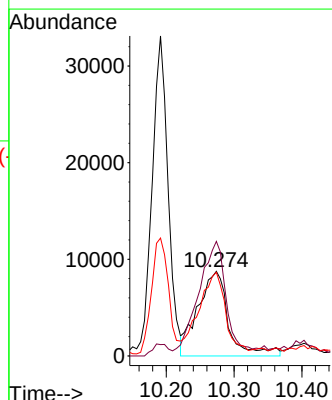
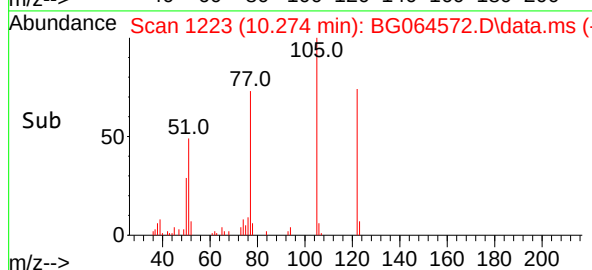
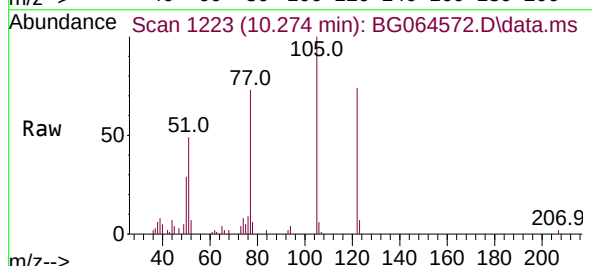
Manual Integrations
APPROVED

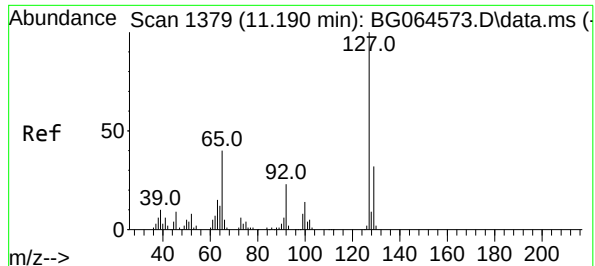
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

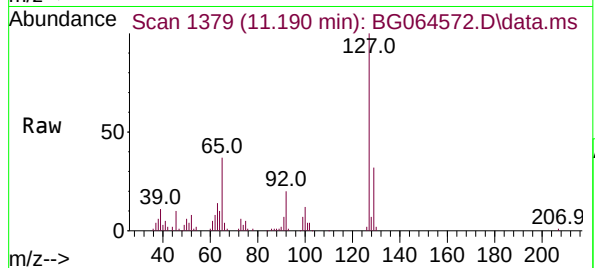
Tgt Ion:122 Resp: 27545
Ion Ratio Lower Upper
122 100
105 135.4 104.2 144.2
77 99.0 70.2 110.2





#33
4-Chloroaniline
Concen: 19.055 ng
RT: 11.190 min Scan# 1379
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

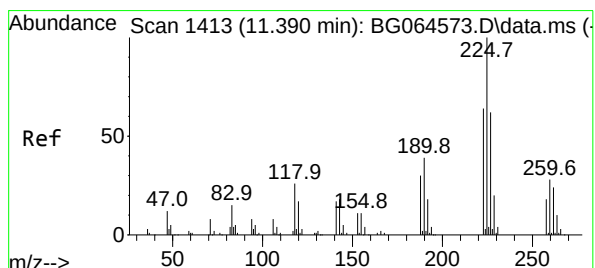
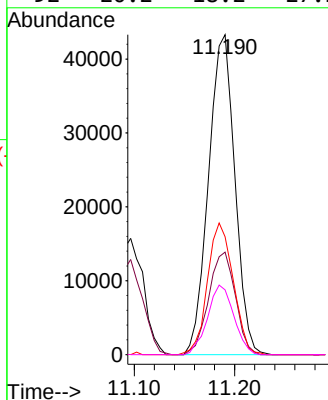
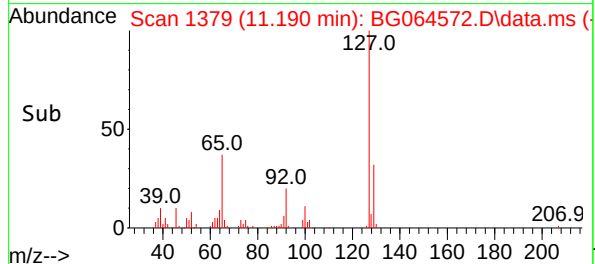
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



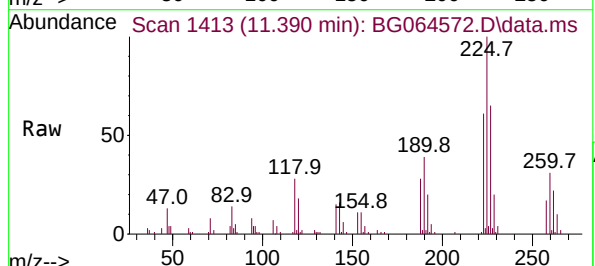
Tgt Ion:127 Resp: 79062
Ion Ratio Lower Upper
127 100
129 32.0 25.5 38.3
65 36.8 32.2 48.4
92 20.2 18.2 27.2

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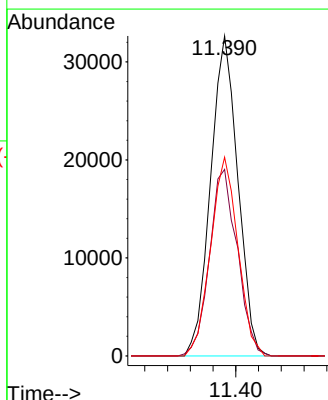
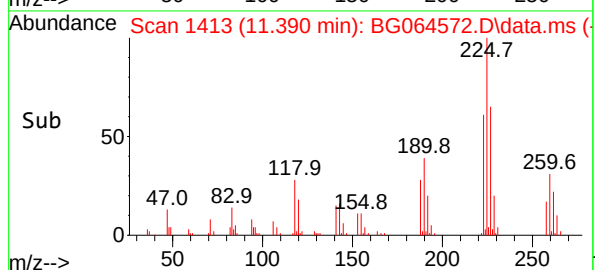
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

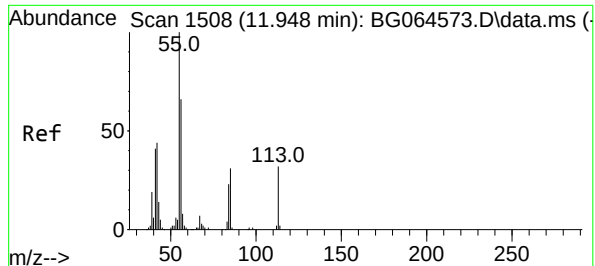


#34
Hexachlorobutadiene
Concen: 19.820 ng
RT: 11.390 min Scan# 1413
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



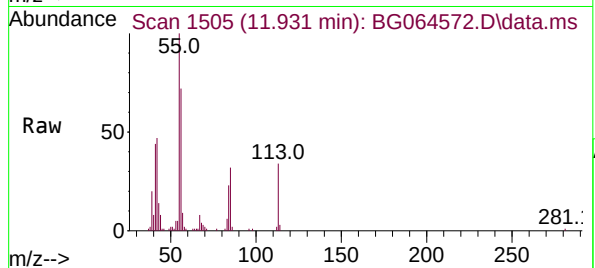
Tgt Ion:225 Resp: 54233
Ion Ratio Lower Upper
225 100
223 58.3 48.8 73.2
227 62.1 49.5 74.3





#35
Caprolactam
Concen: 18.635 ng
RT: 11.931 min Scan# 1505
Delta R.T. -0.044 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

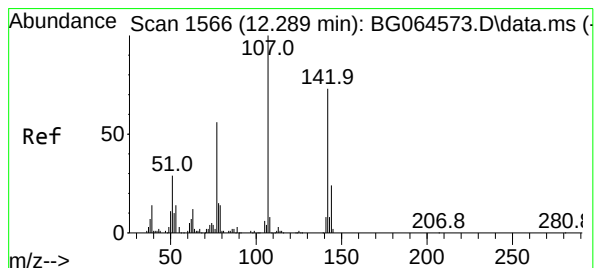
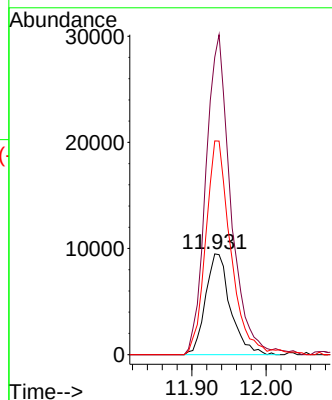
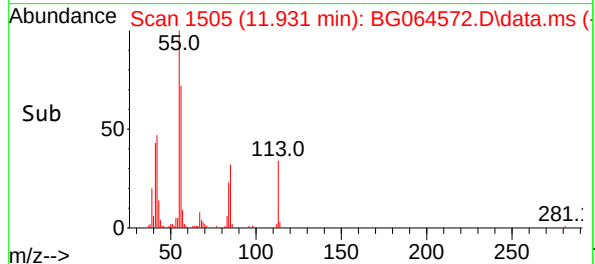
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:113 Resp: 22010
Ion Ratio Lower Upper
113 100
55 295.5 290.1 330.1
56 212.3 183.8 223.8

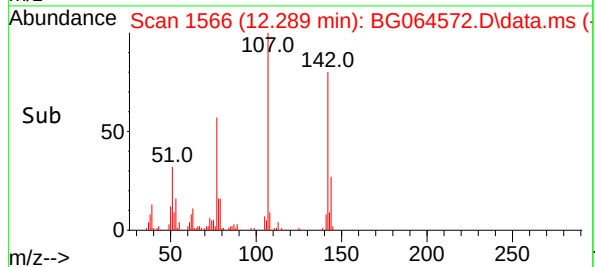
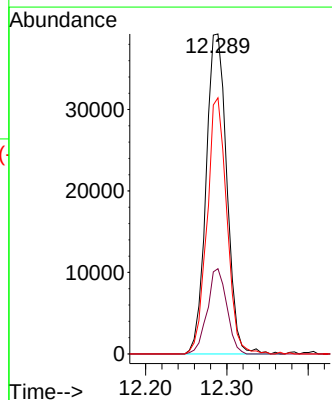
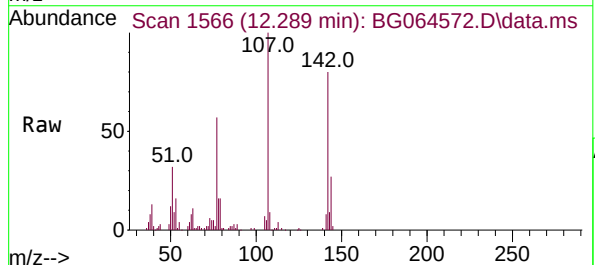
Manual Integrations
APPROVED

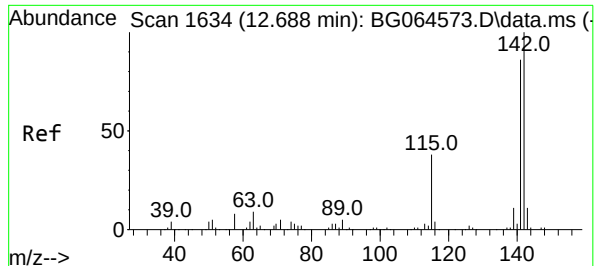
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

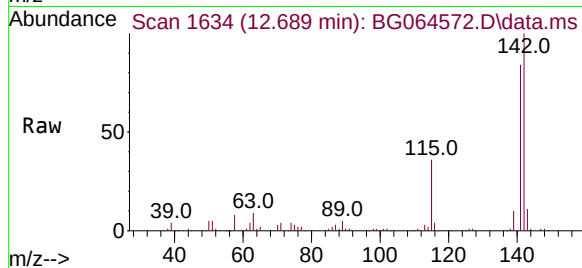
Tgt Ion:107 Resp: 69582
Ion Ratio Lower Upper
107 100
144 26.6 19.1 28.7
142 80.0 58.6 87.8





#37
2-Methylnaphthalene
Concen: 19.577 ng
RT: 12.689 min Scan# 1634
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

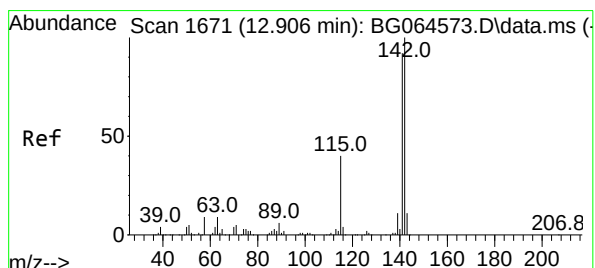
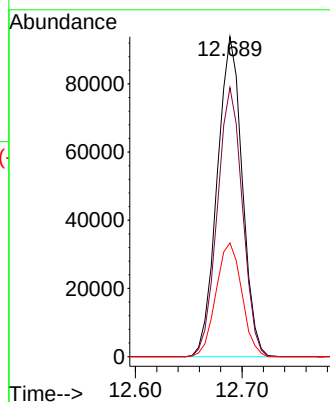
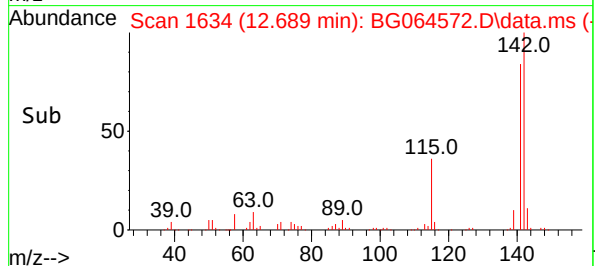
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



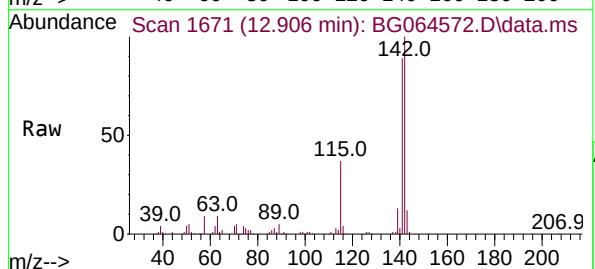
Tgt Ion:142 Resp: 153445
Ion Ratio Lower Upper
142 100
141 84.1 68.9 103.3
115 35.5 30.6 46.0

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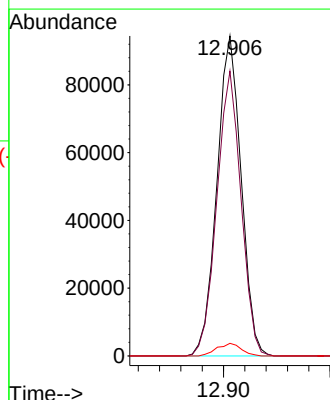
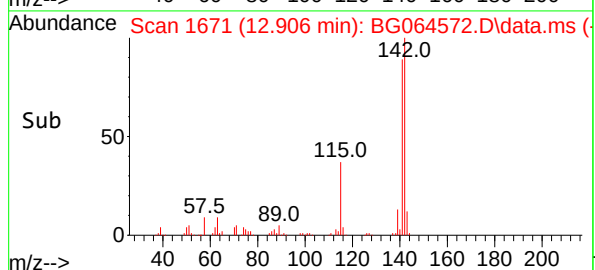
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

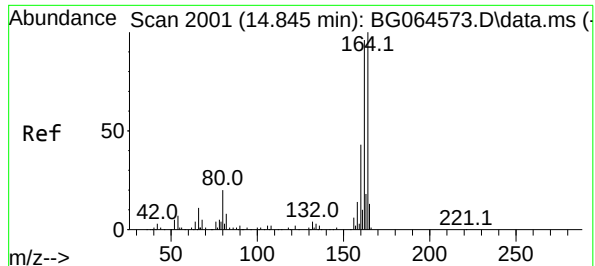


#38
1-Methylnaphthalene
Concen: 19.379 ng
RT: 12.906 min Scan# 1671
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



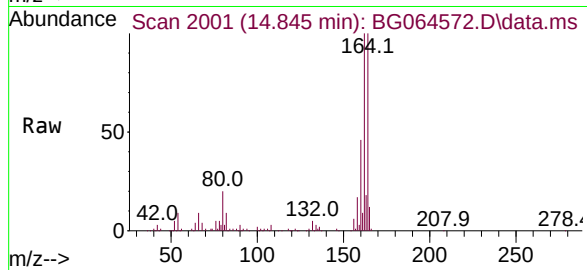
Tgt Ion:142 Resp: 149456
Ion Ratio Lower Upper
142 100
141 89.0 73.3 109.9
116 3.9 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 2001
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

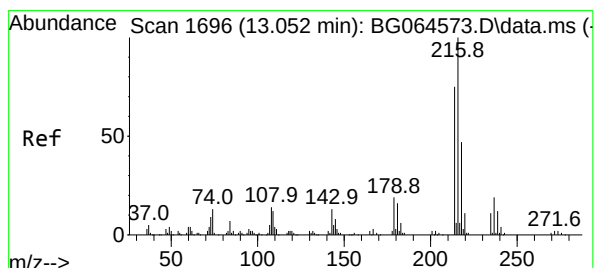
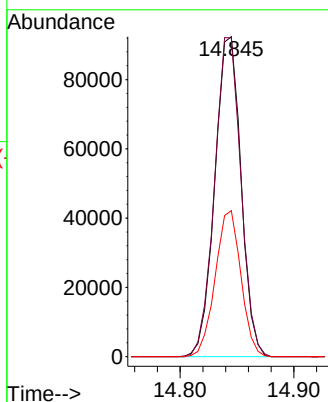
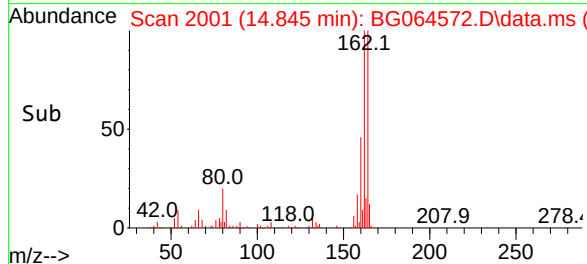
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



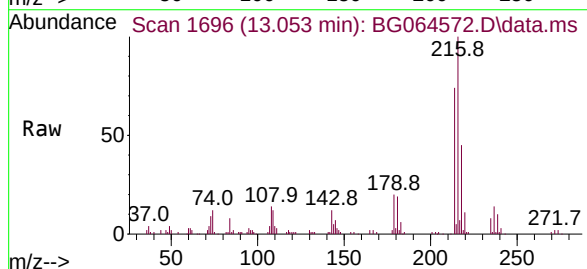
Tgt Ion:164 Resp: 147520
Ion Ratio Lower Upper
164 100
162 99.6 77.0 115.6
160 45.6 34.4 51.6

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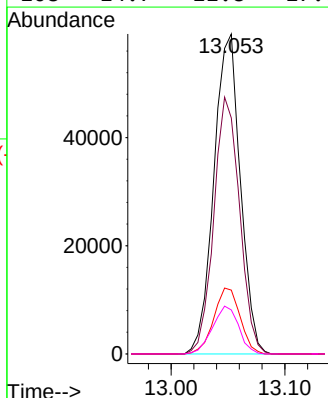
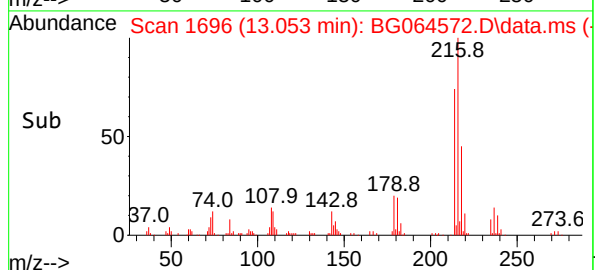
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

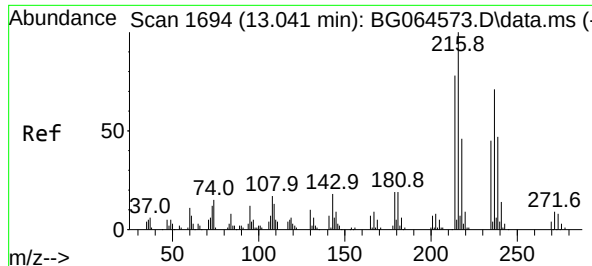


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.320 ng
RT: 13.053 min Scan# 1696
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



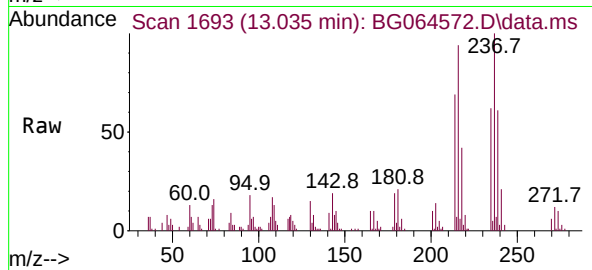
Tgt Ion:216 Resp: 95653
Ion Ratio Lower Upper
216 100
214 78.1 61.4 92.2
179 20.4 15.4 23.0
108 14.7 11.8 17.6





#41
Hexachlorocyclopentadiene
Concen: 18.479 ng
RT: 13.035 min Scan# 1693
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

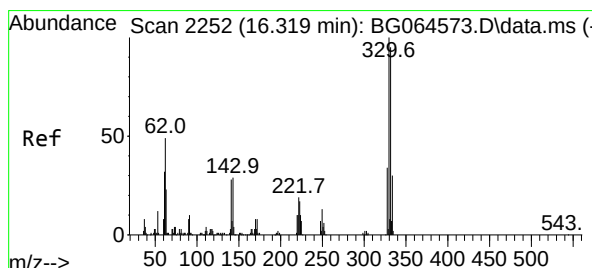
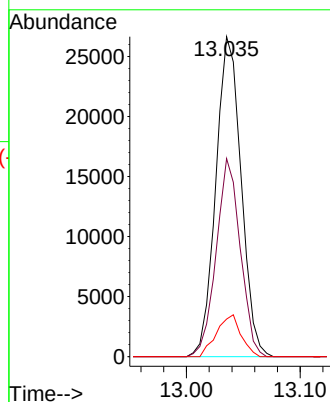
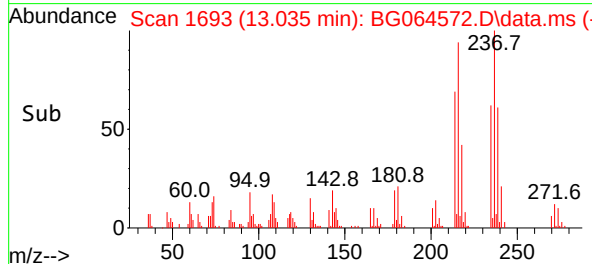
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:237 Resp: 41178
Ion Ratio Lower Upper
237 100
235 61.9 44.1 84.1
272 11.7 0.0 32.4

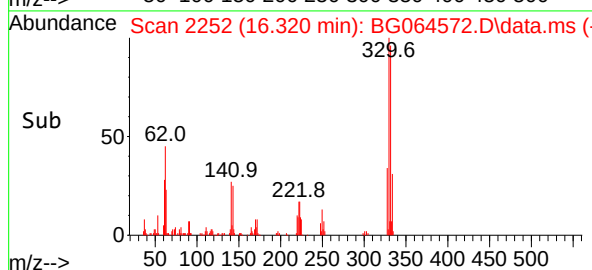
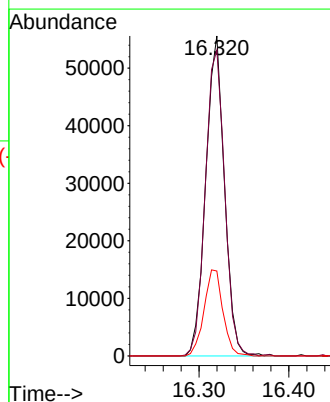
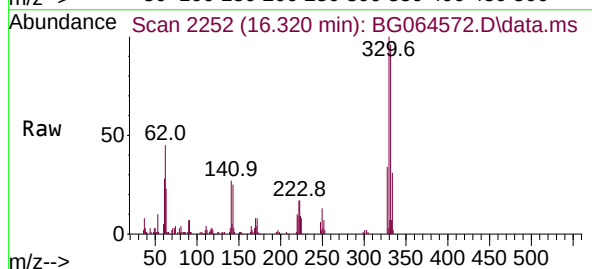
Manual Integrations
APPROVED

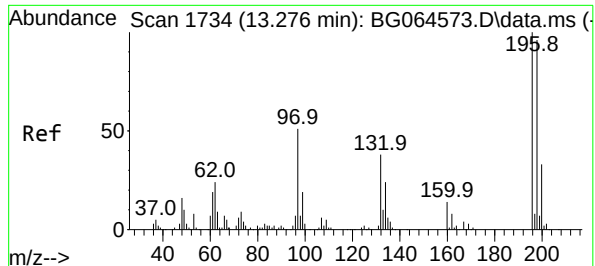
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

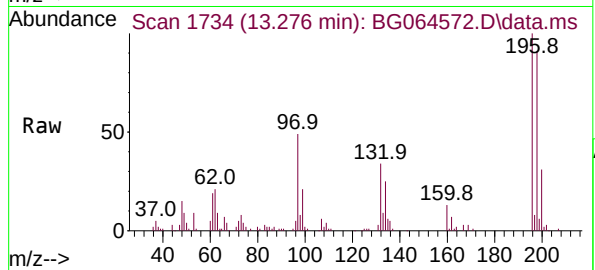
Tgt Ion:330 Resp: 80231
Ion Ratio Lower Upper
330 100
332 99.2 78.0 117.0
141 27.2 21.8 32.6





#43
2,4,6-Trichlorophenol
Concen: 19.525 ng
RT: 13.276 min Scan# 1734
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

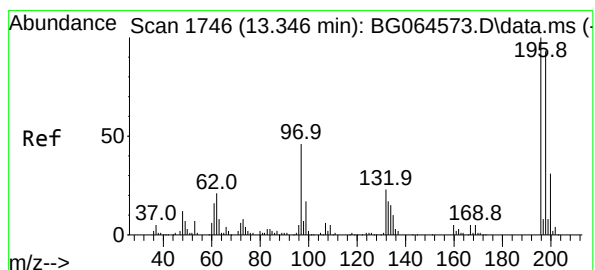
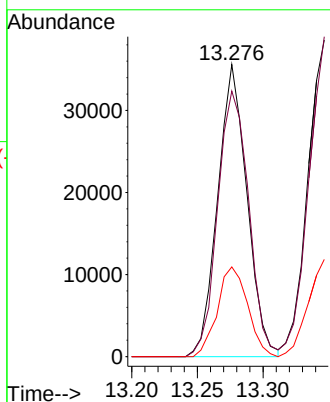
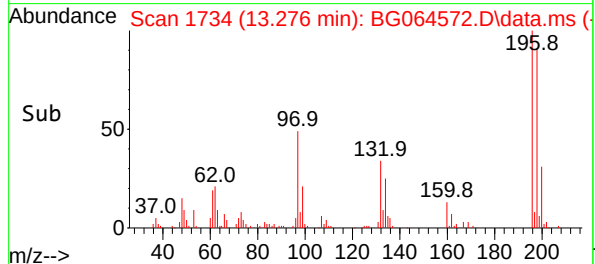
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:196 Resp: 55295
Ion Ratio Lower Upper
196 100
198 90.9 76.6 115.0
200 30.7 26.0 39.0

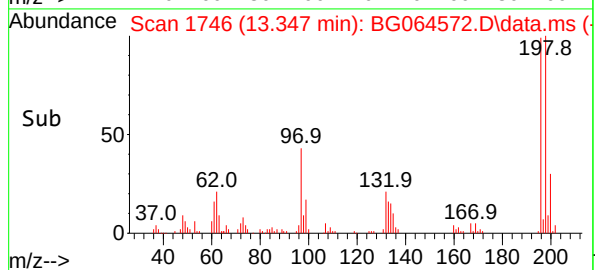
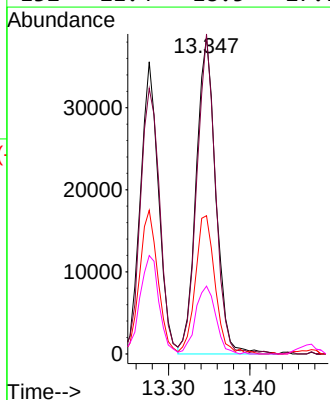
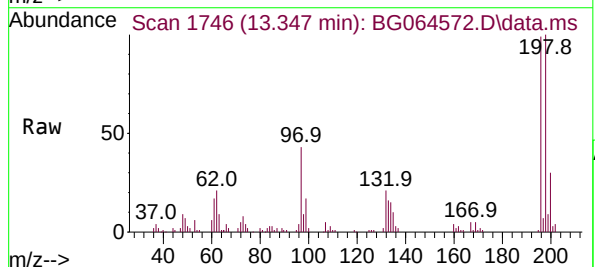
Manual Integrations
APPROVED

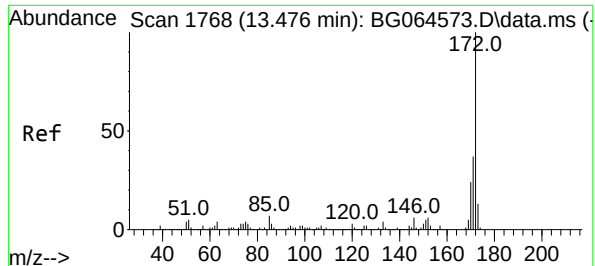
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

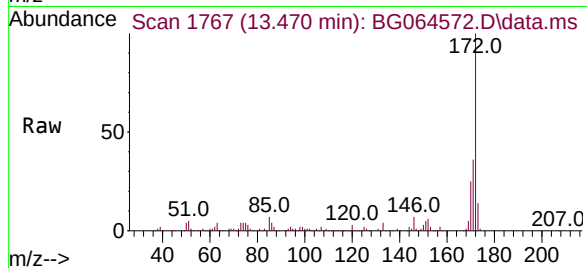
Tgt Ion:196 Resp: 64753
Ion Ratio Lower Upper
196 100
198 101.1 74.2 111.4
97 43.6 37.0 55.6
132 21.4 18.5 27.7





#45
2-Fluorobiphenyl
Concen: 39.584 ng
RT: 13.470 min Scan# 1768
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

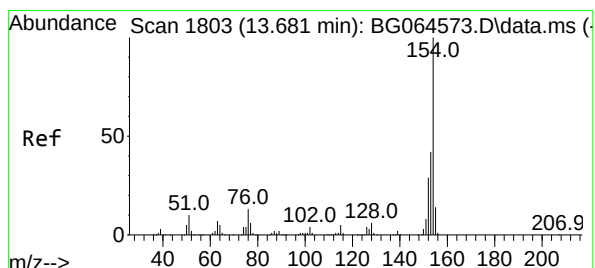
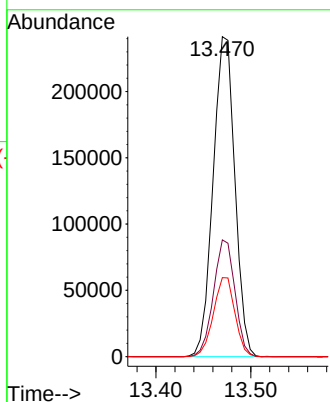
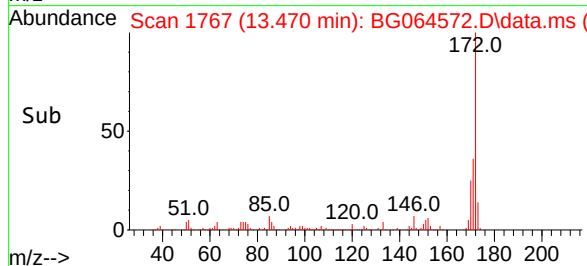
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



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

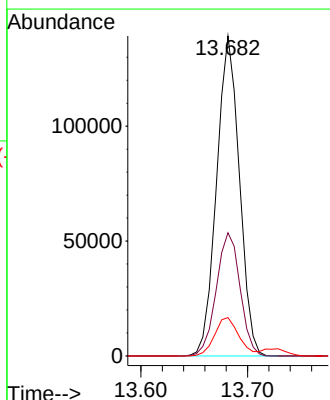
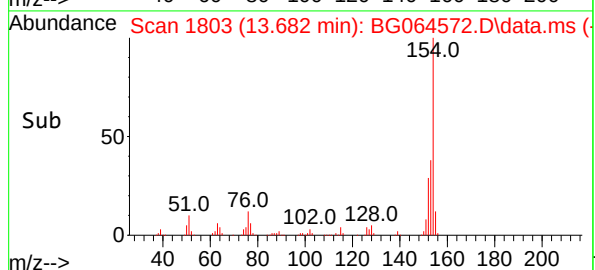
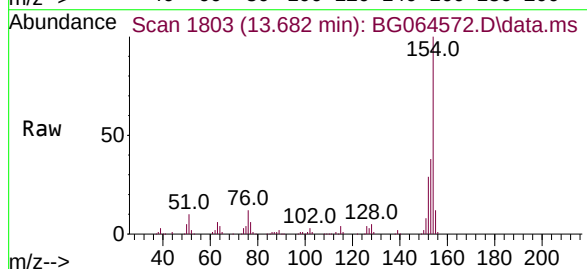
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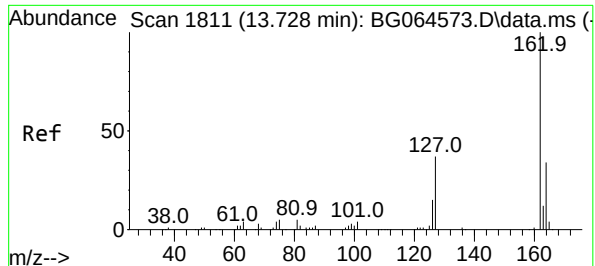
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:154 Resp: 206656
Ion Ratio Lower Upper
154 100
153 38.5 22.4 62.4
76 12.0 0.0 33.5





#47

2-Chloronaphthalene

Concen: 19.625 ng

RT: 13.729 min Scan# 1811

Delta R.T. -0.003 min

Lab File: BG064572.D

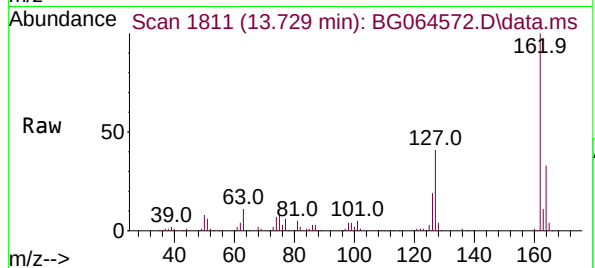
Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020



Tgt Ion:162 Resp: 155356

Ion Ratio Lower Upper

162 100

127 40.6 32.2 48.2

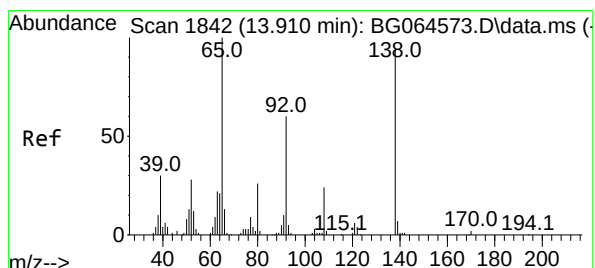
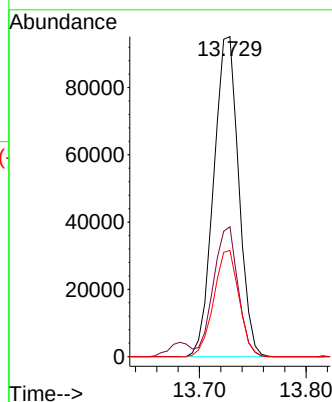
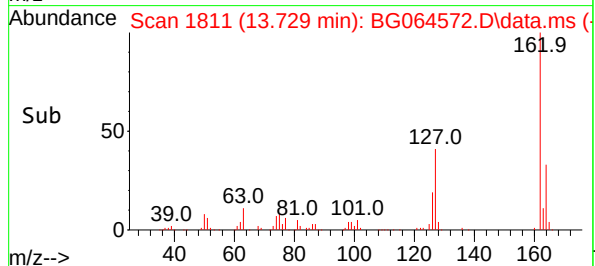
164 33.2 27.5 41.3

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#48

2-Nitroaniline

Concen: 17.565 ng

RT: 13.911 min Scan# 1842

Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

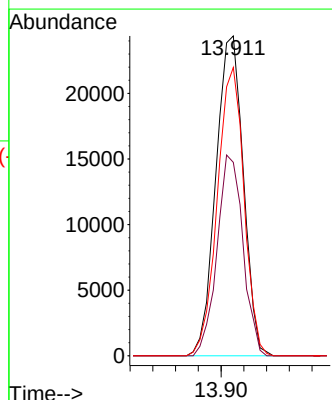
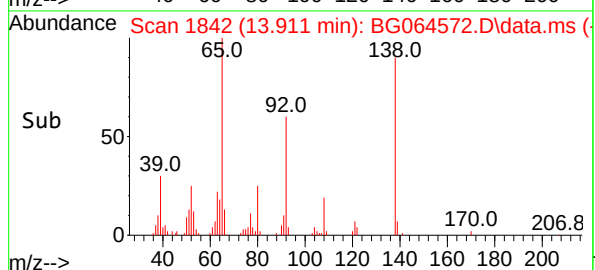
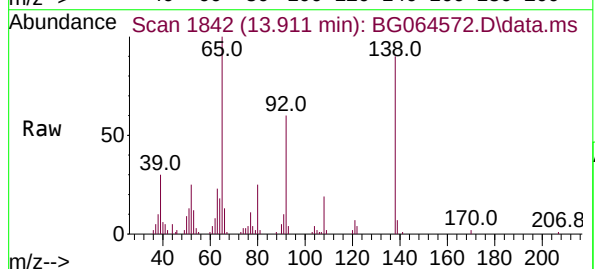
Tgt Ion: 65 Resp: 40854

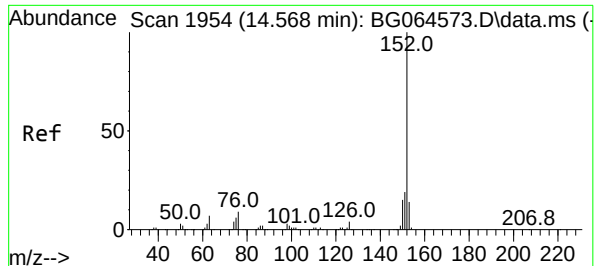
Ion Ratio Lower Upper

65 100

92 60.5 48.3 72.5

138 90.1 74.9 112.3





#49

Acenaphthylene

Concen: 19.454 ng

RT: 14.563 min Scan# 1954

Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion:152 Resp: 242914

Ion Ratio Lower Upper

152 100

151 18.6 15.4 23.2

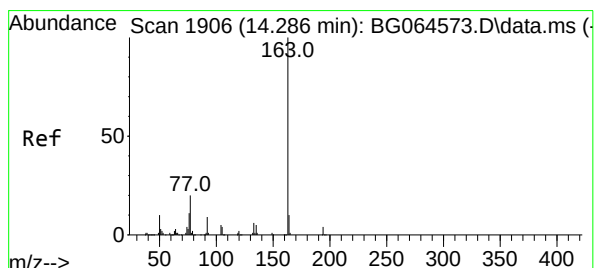
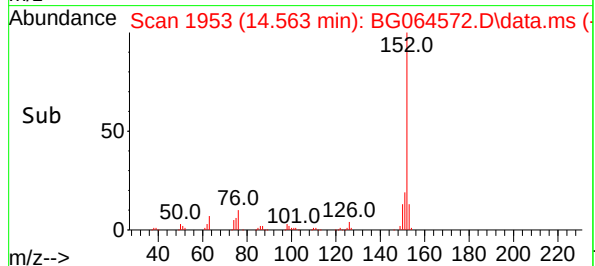
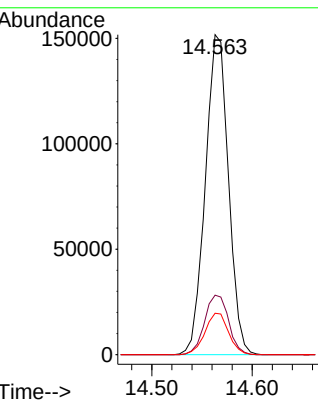
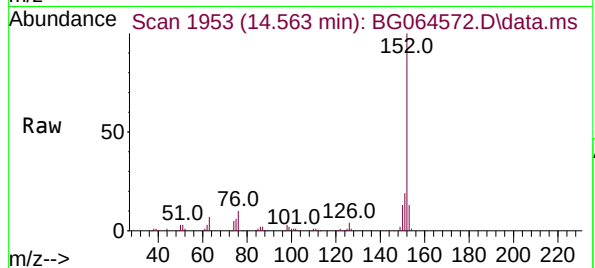
153 12.9 11.0 16.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#50

Dimethylphthalate

Concen: 19.452 ng

RT: 14.281 min Scan# 1905

Delta R.T. -0.009 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

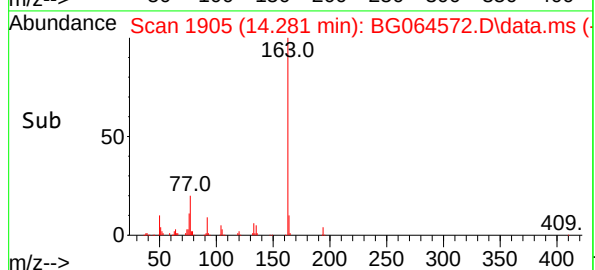
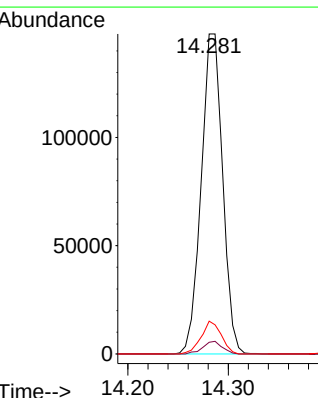
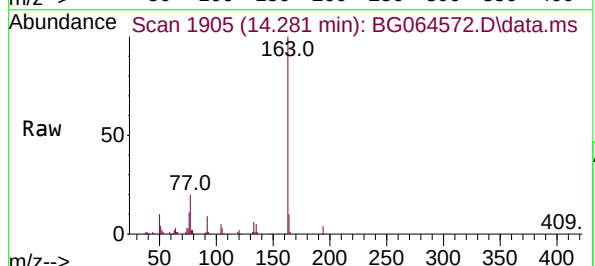
Tgt Ion:163 Resp: 219575

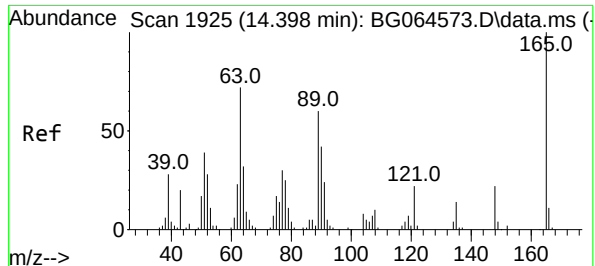
Ion Ratio Lower Upper

163 100

194 3.6 2.8 4.2

164 10.2 7.7 11.5





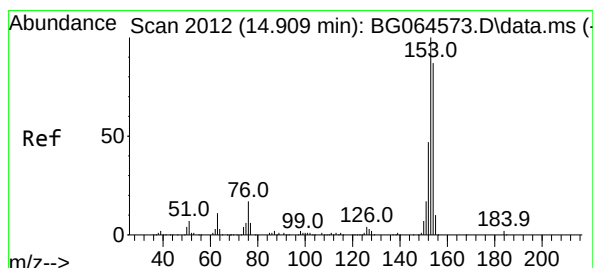
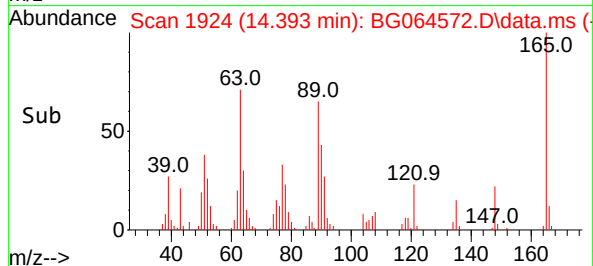
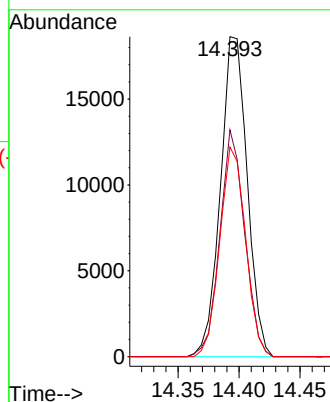
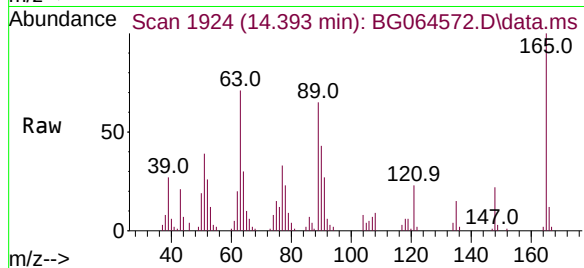
#51
2,6-Dinitrotoluene
Concen: 17.440 ng
RT: 14.393 min Scan# 1925
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

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

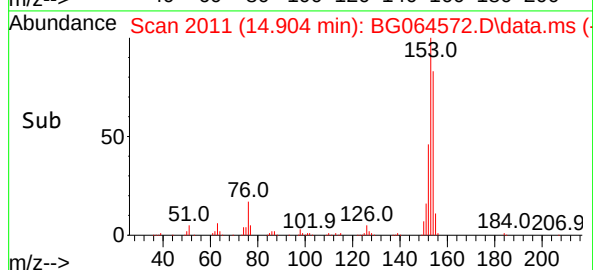
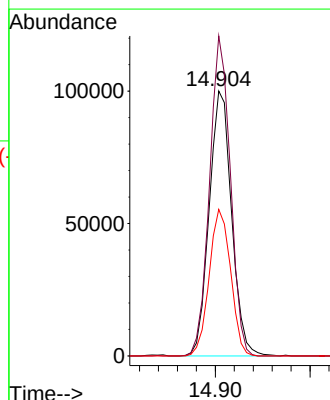
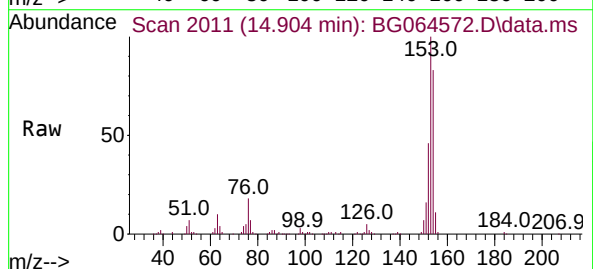
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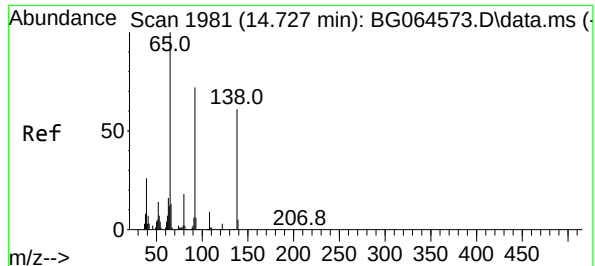
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:154 Resp: 164542
Ion Ratio Lower Upper
154 100
153 120.8 92.2 138.4
152 55.3 43.2 64.8





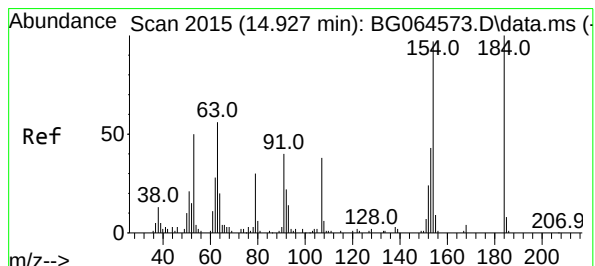
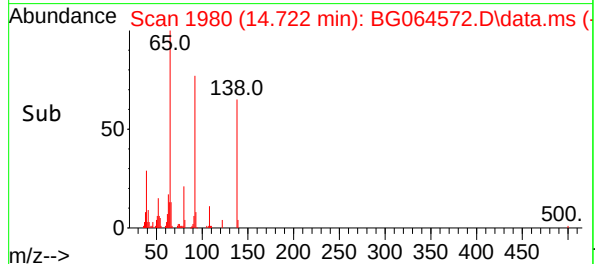
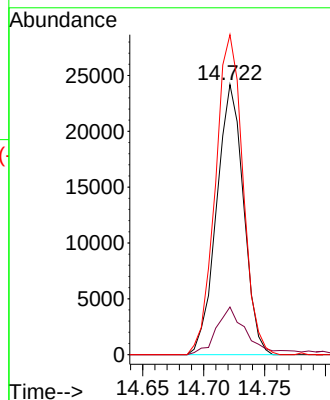
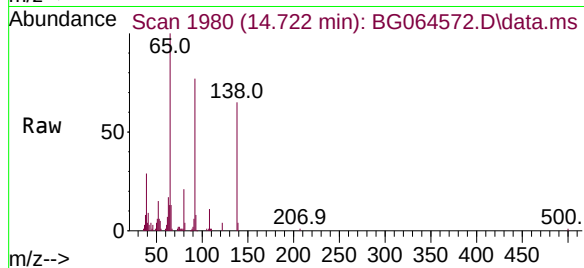
#53
3-Nitroaniline
Concen: 19.193 ng
RT: 14.722 min Scan# 1981
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 37234
Ion Ratio Lower Upper
138 100
108 17.6 11.4 17.0
92 118.5 95.3 142.9

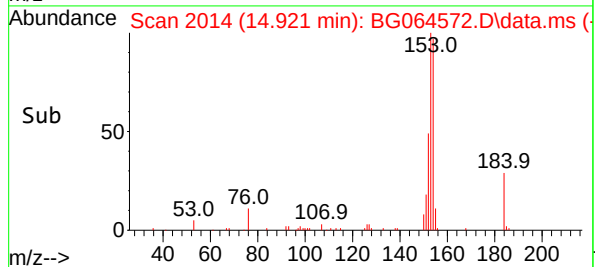
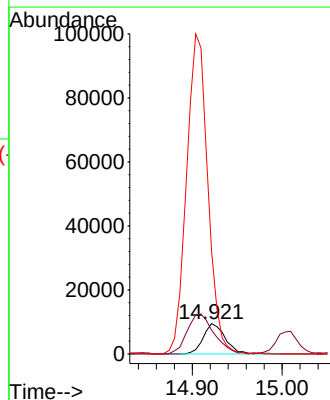
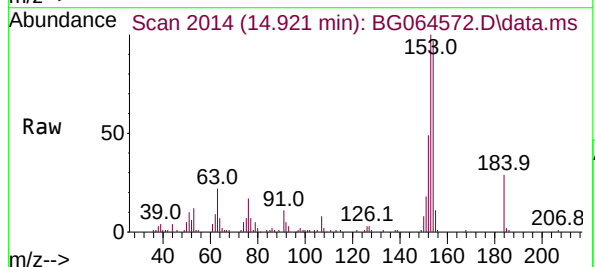
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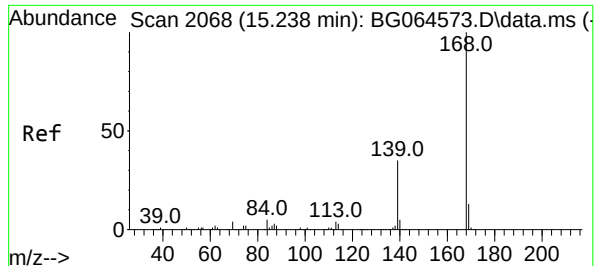
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:184 Resp: 16182
Ion Ratio Lower Upper
184 100
63 78.3 56.6 85.0
154 339.0 158.6 238.0#





#55

Dibenzenofuran

Concen: 19.534 ng

RT: 15.239 min Scan# 2068

Delta R.T. -0.003 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion:168 Resp: 269419

Ion Ratio Lower Upper

168 100

139 36.1 27.8 41.8

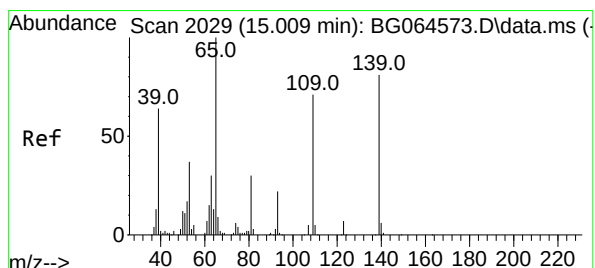
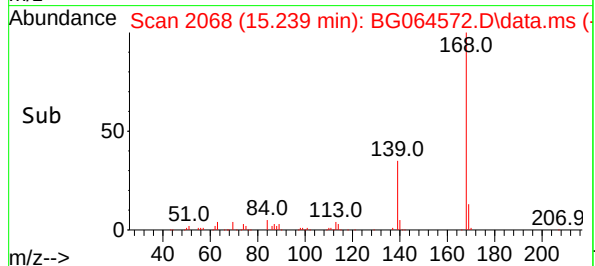
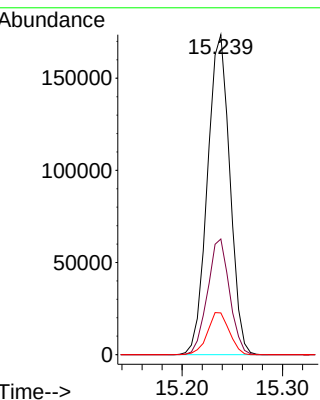
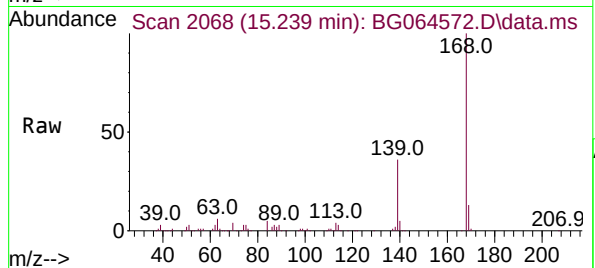
169 13.0 10.3 15.5

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#56

4-Nitrophenol

Concen: 17.439 ng

RT: 15.009 min Scan# 2029

Delta R.T. -0.009 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

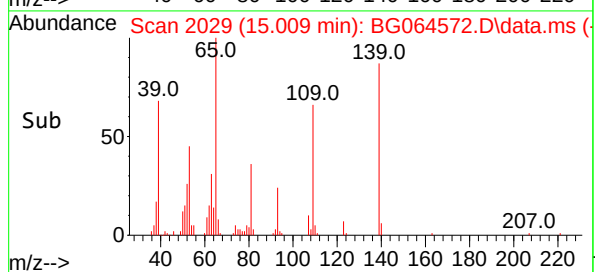
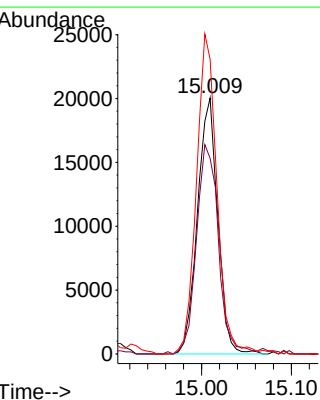
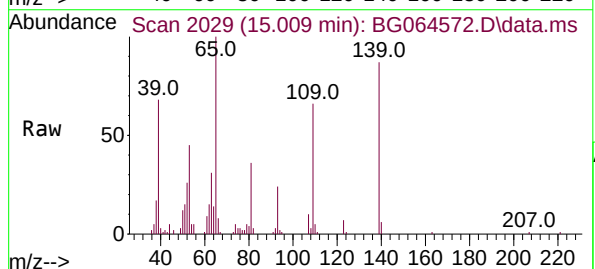
Tgt Ion:139 Resp: 31366

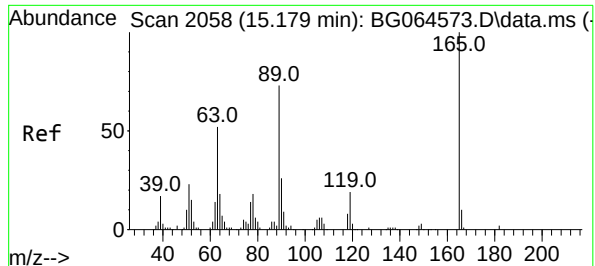
Ion Ratio Lower Upper

139 100

109 76.4 67.8 107.8

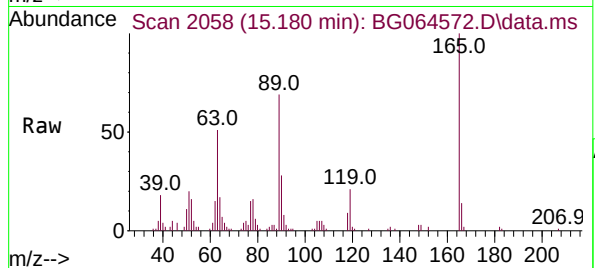
65 115.0 103.7 143.7





#57
2,4-Dinitrotoluene
Concen: 17.427 ng
RT: 15.180 min Scan# 2058
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

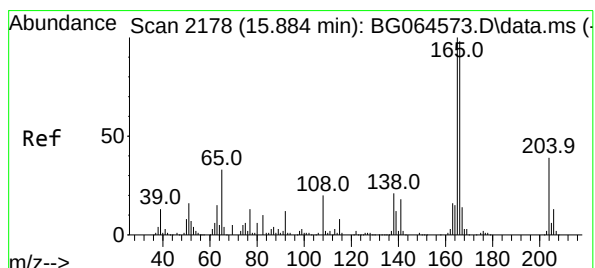
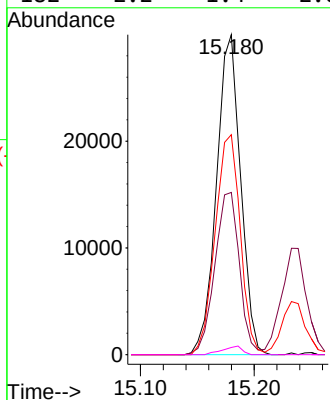
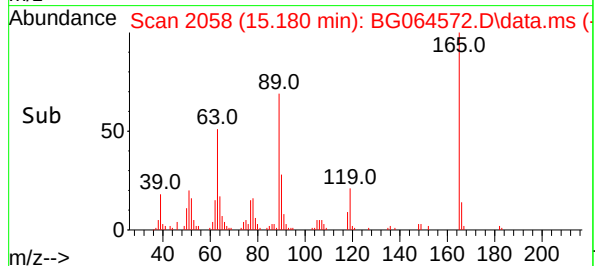
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:165 Resp: 44209
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#

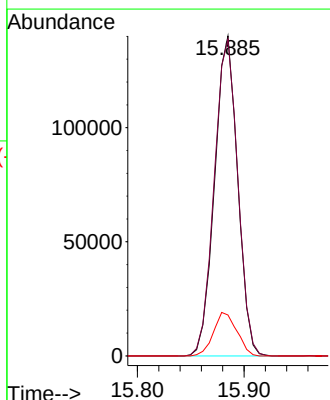
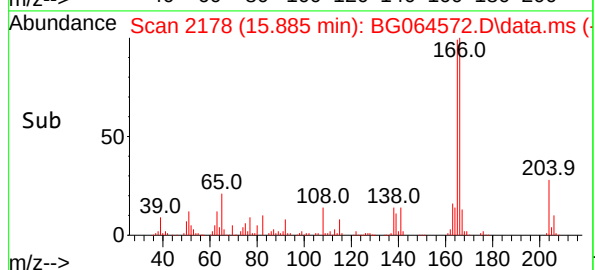
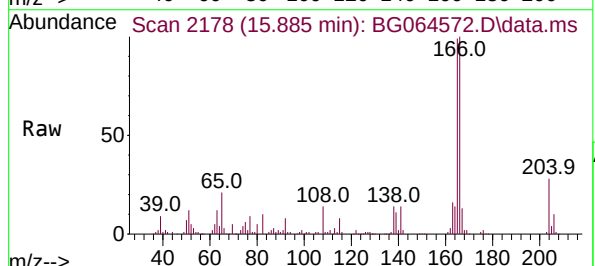
Manual Integrations
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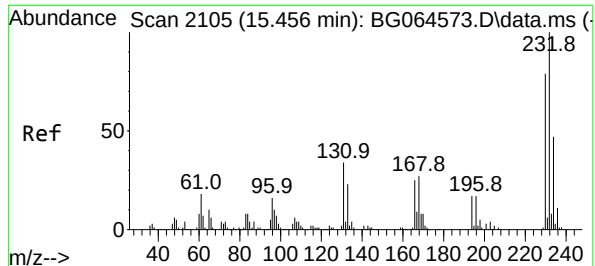
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

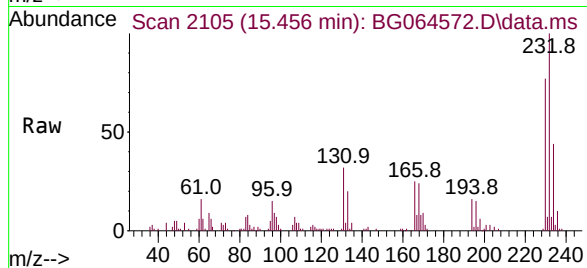
Tgt Ion:166 Resp: 210426
Ion Ratio Lower Upper
166 100
165 99.0 81.5 122.3
167 12.8 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 18.980 ng
RT: 15.456 min Scan# 2105
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

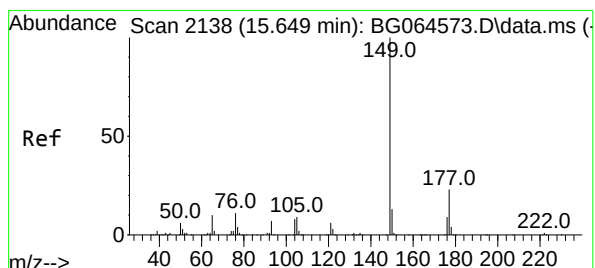
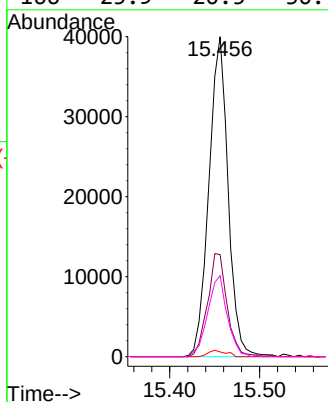
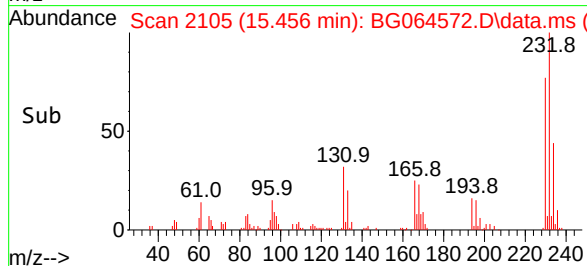
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



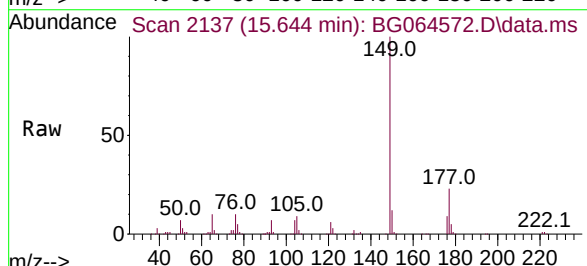
Tgt Ion:232 Resp: 59314
Ion Ratio Lower Upper
232 100
131 32.5 26.7 40.1
130 1.8 1.6 2.4
166 25.9 20.5 30.7

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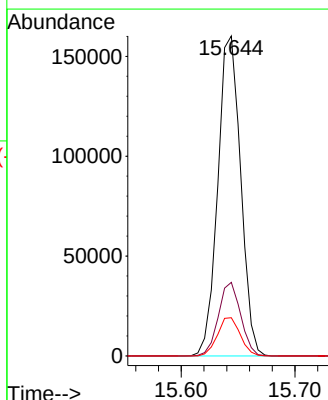
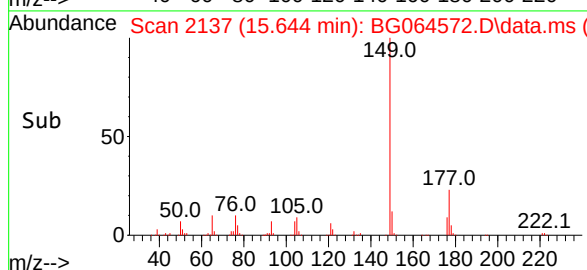
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

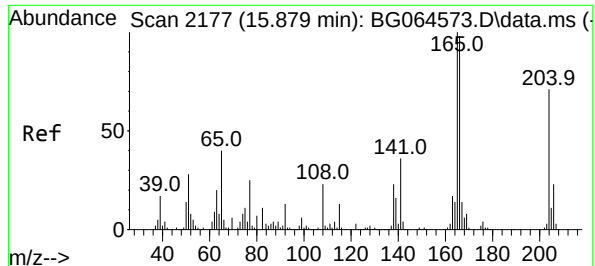


#60
Diethylphthalate
Concen: 19.382 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



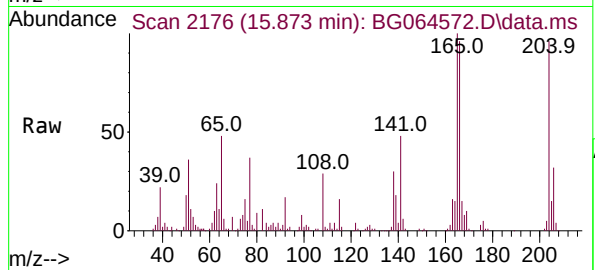
Tgt Ion:149 Resp: 223398
Ion Ratio Lower Upper
149 100
177 23.0 18.0 27.0
150 11.9 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 19.333 ng
RT: 15.873 min Scan# 2176
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

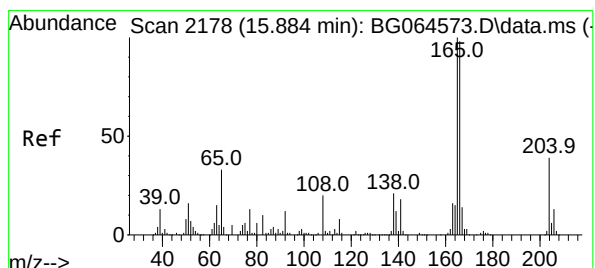
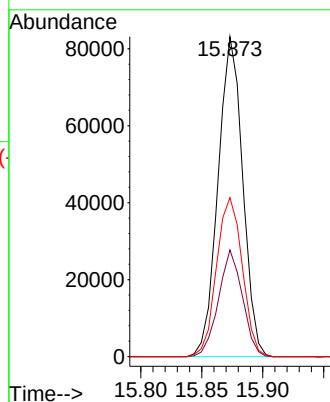
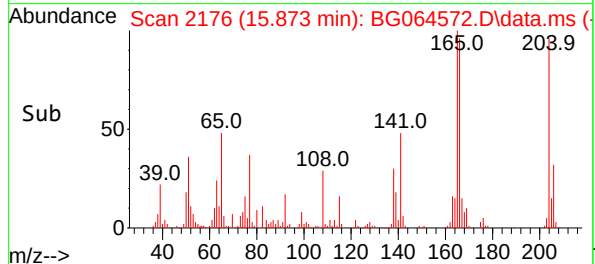
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



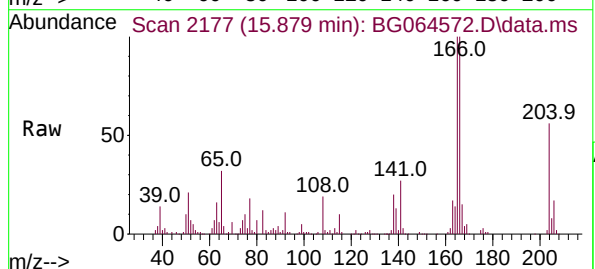
Tgt Ion:204 Resp: 11686
Ion Ratio Lower Upper
204 100
206 33.3 25.6 38.4
141 49.7 40.6 60.8

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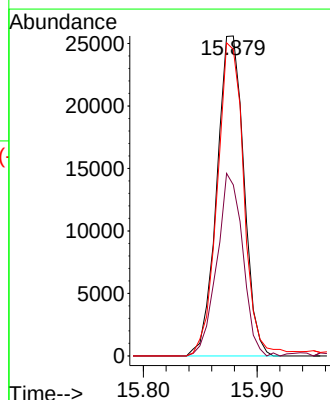
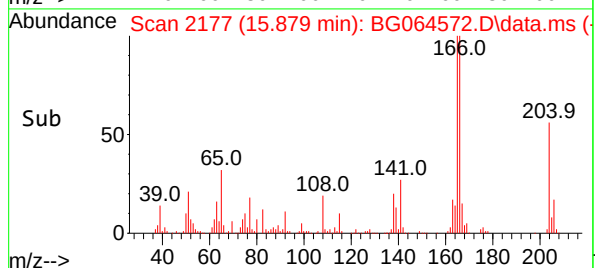
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

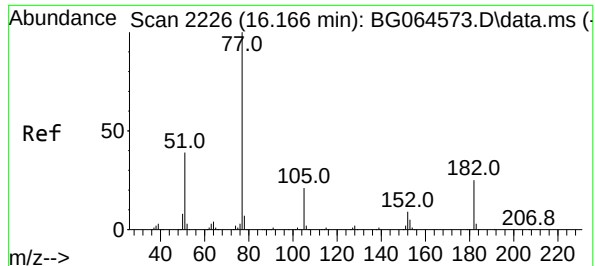


#62
4-Nitroaniline
Concen: 19.582 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.015 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



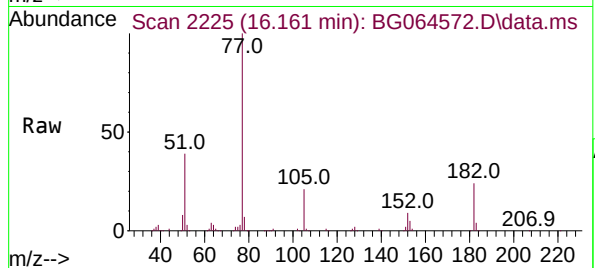
Tgt Ion:138 Resp: 42261
Ion Ratio Lower Upper
138 100
92 53.4 36.1 76.1
108 95.8 75.6 115.6





#63
Azobenzene
Concen: 19.205 ng
RT: 16.161 min Scan# 2226
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

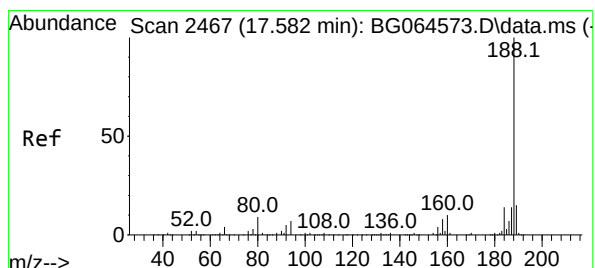
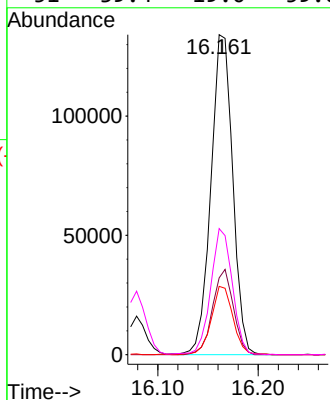
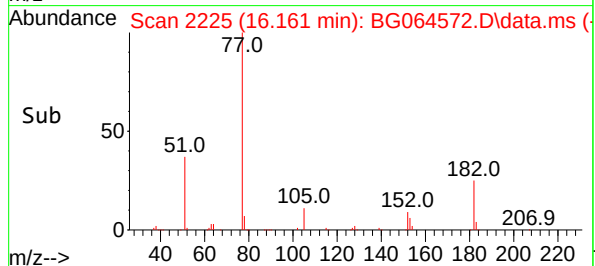
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



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

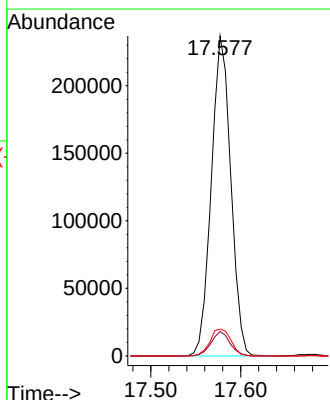
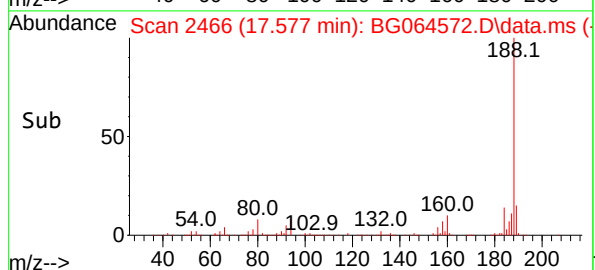
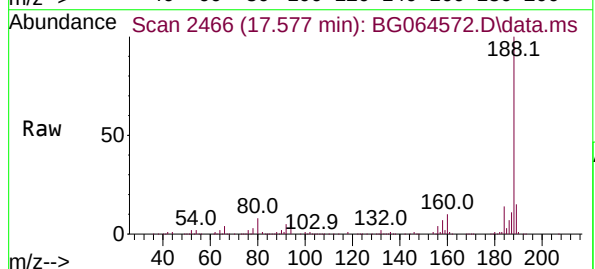
Manual Integrations
APPROVED

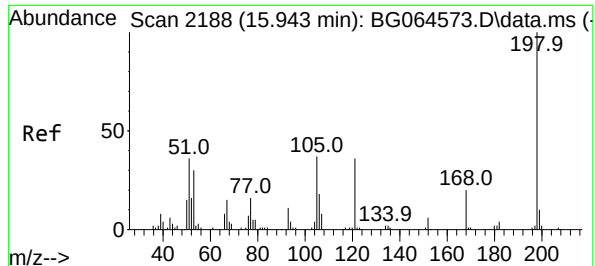
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:188 Resp: 357228
Ion Ratio Lower Upper
188 100
94 7.6 5.7 8.5
80 8.4 6.8 10.2





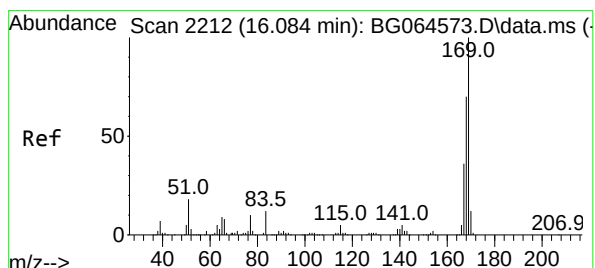
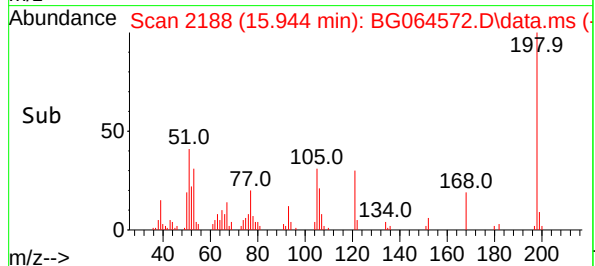
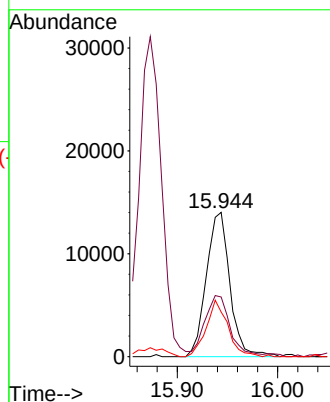
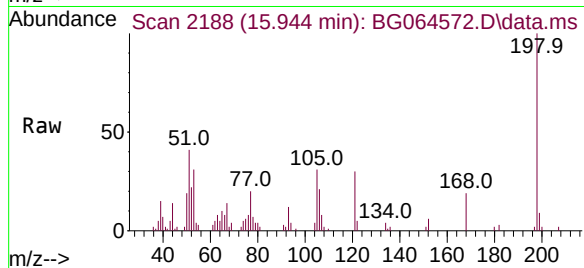
#65
4,6-Dinitro-2-methylphenol
Concen: 18.316 ng
RT: 15.944 min Scan# 2188
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 22843
Ion Ratio Lower Upper
198 100
51 41.3 24.7 64.7
105 30.8 18.0 58.0

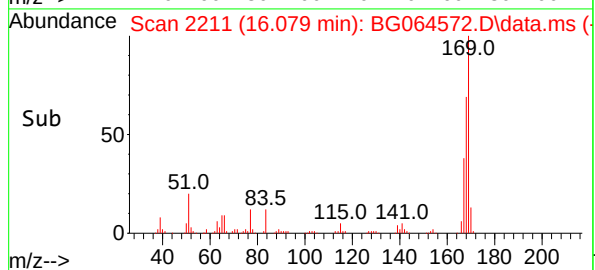
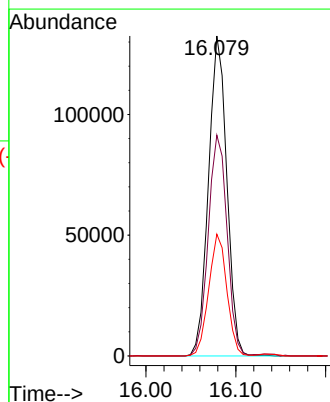
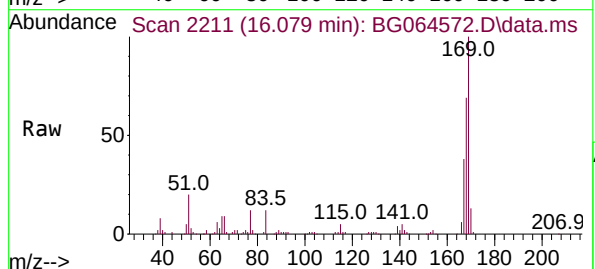
Manual Integrations
APPROVED

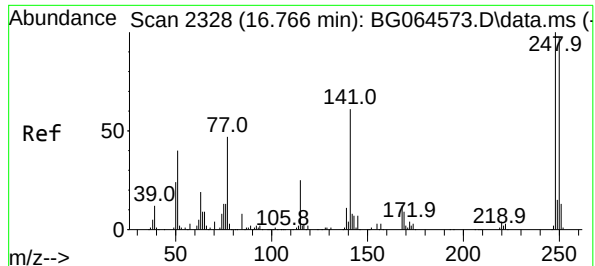
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

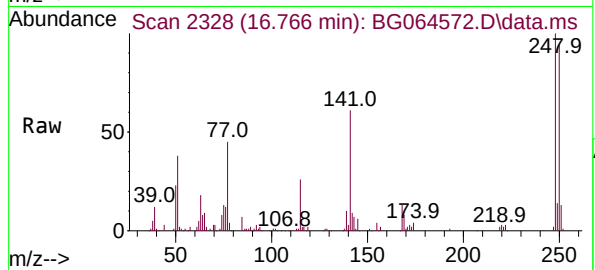
Tgt Ion:169 Resp: 187560
Ion Ratio Lower Upper
169 100
168 69.0 56.3 84.5
167 38.0 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 19.444 ng
RT: 16.766 min Scan# 2328
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

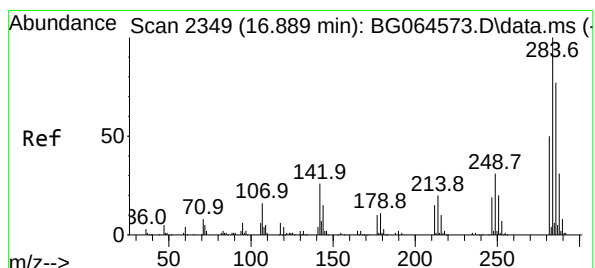
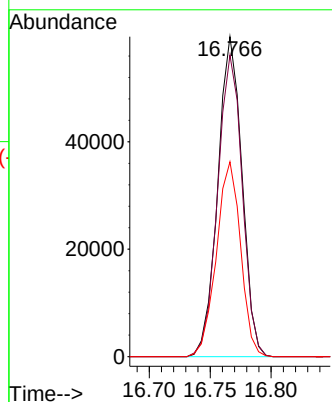
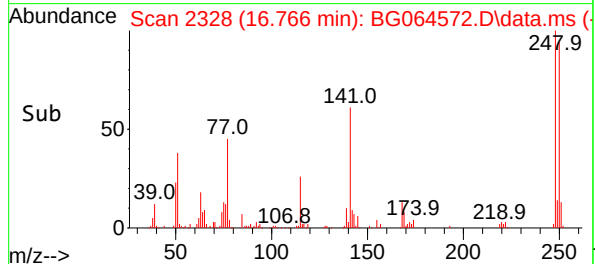
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



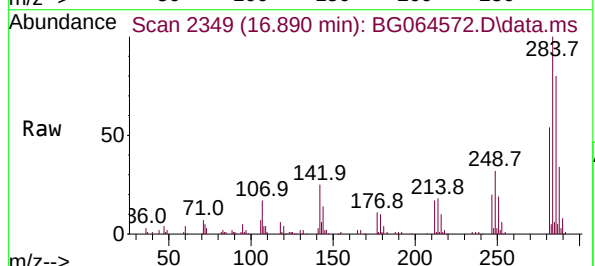
Tgt Ion:248 Resp: 82311
Ion Ratio Lower Upper
248 100
250 94.2 77.7 116.5
141 60.9 48.6 72.8

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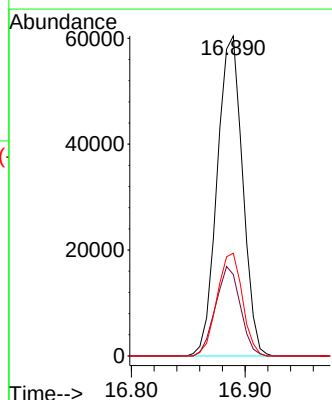
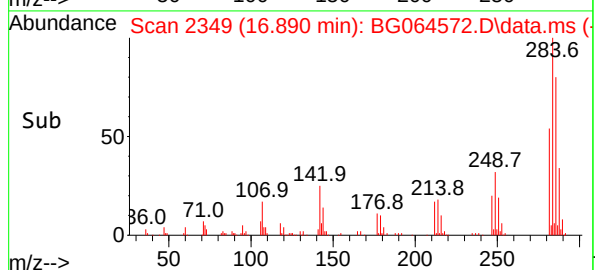
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

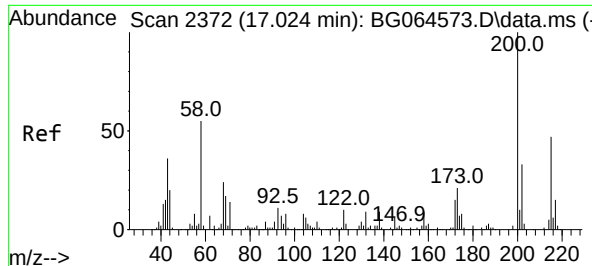


#68
Hexachlorobenzene
Concen: 19.391 ng
RT: 16.890 min Scan# 2349
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



Tgt Ion:284 Resp: 93647
Ion Ratio Lower Upper
284 100
142 25.4 21.0 31.6
249 34.6 24.9 37.3





#69

Atrazine

Concen: 21.392 ng

RT: 17.019 min Scan# 2371

Delta R.T. -0.009 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion:200 Resp: 88832

Ion Ratio Lower Upper

200 100

173 24.1 0.9 40.9

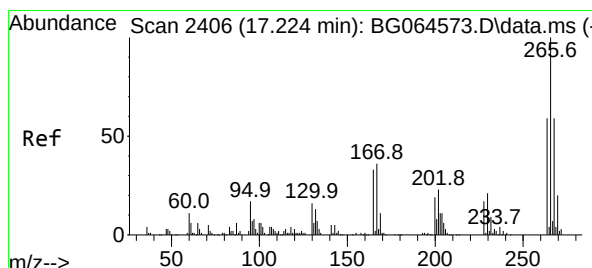
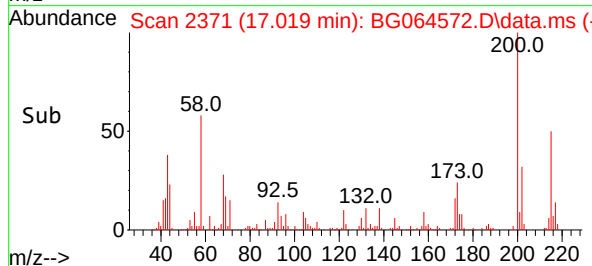
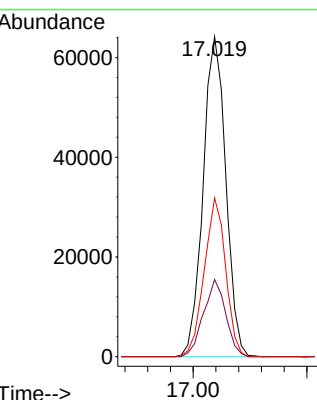
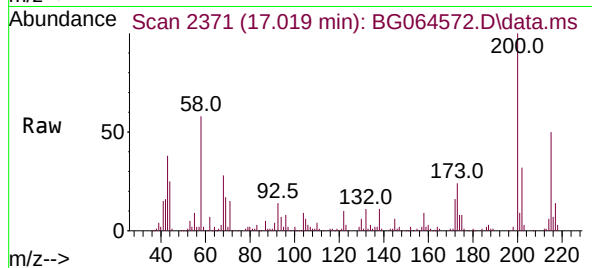
215 49.6 27.0 67.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#70

Pentachlorophenol

Concen: 18.022 ng

RT: 17.219 min Scan# 2405

Delta R.T. -0.009 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

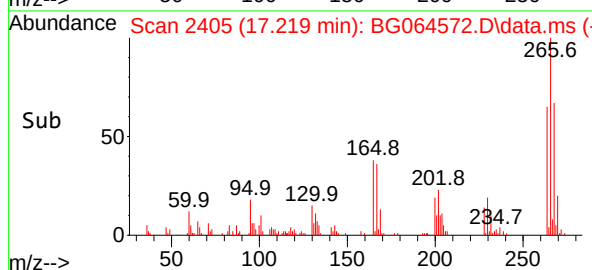
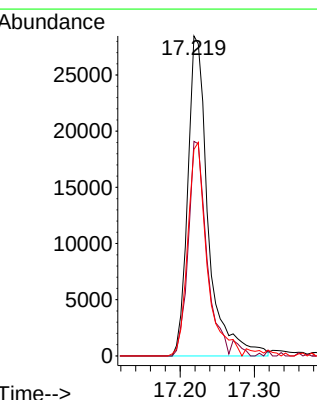
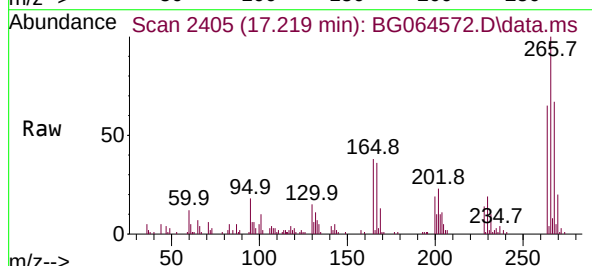
Tgt Ion:266 Resp: 54275

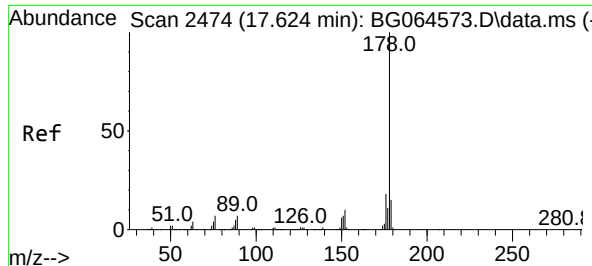
Ion Ratio Lower Upper

266 100

268 71.7 50.3 75.5

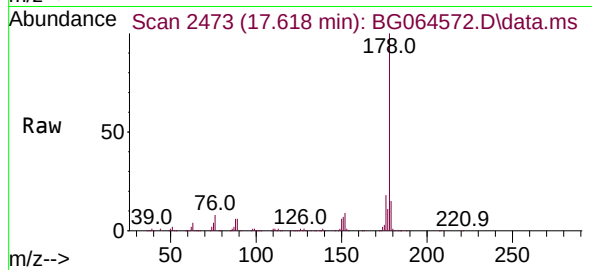
264 68.9 47.3 70.9





#71
Phenanthrene
Concen: 19.624 ng
RT: 17.618 min Scan# 2473
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

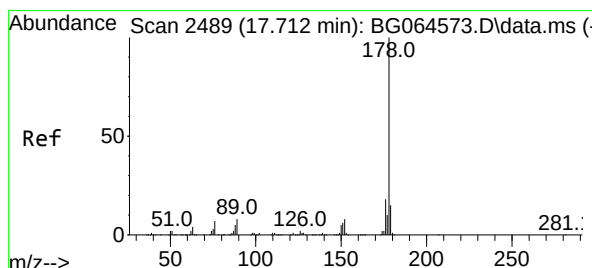
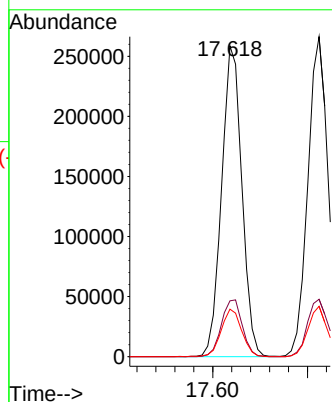
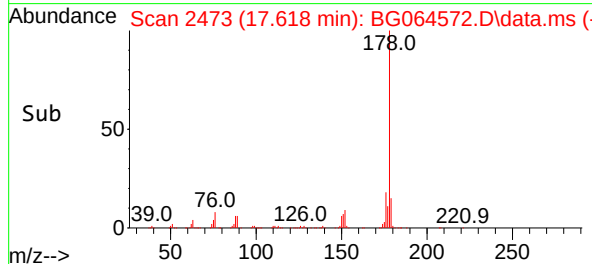
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



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

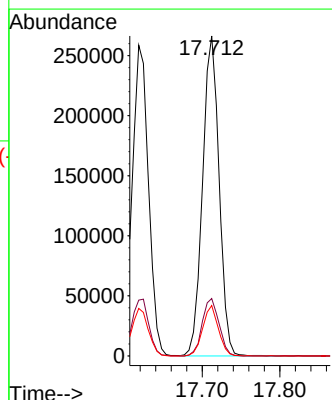
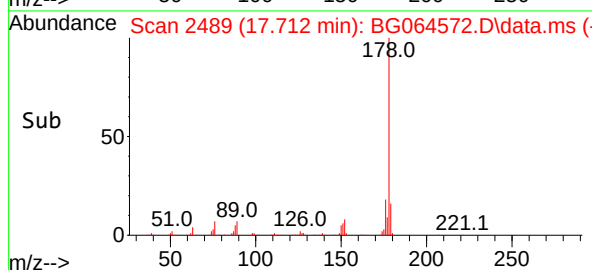
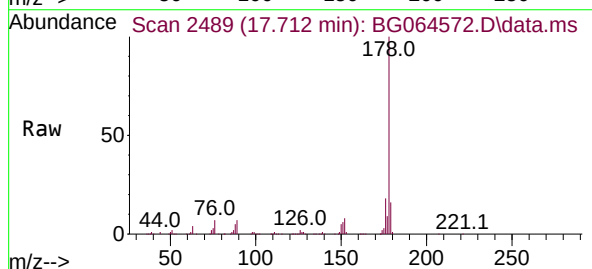
Manual Integrations
APPROVED

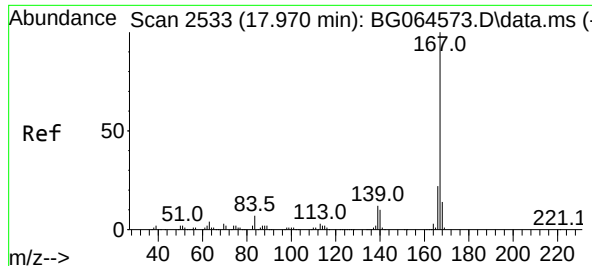
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:178 Resp: 393312
Ion Ratio Lower Upper
178 100
176 17.9 14.4 21.6
179 15.7 12.4 18.6





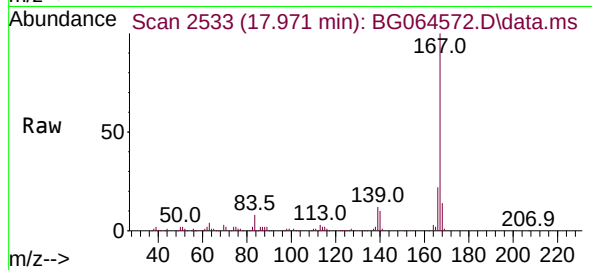
#73
Carbazole
Concen: 20.014 ng
RT: 17.971 min Scan# 2533
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

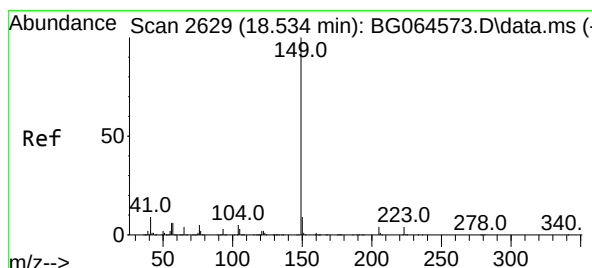
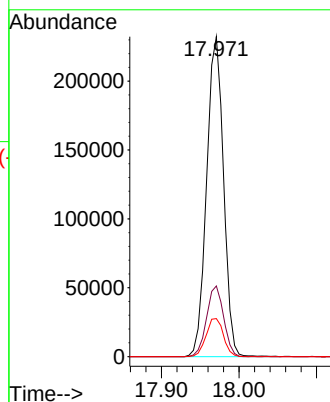
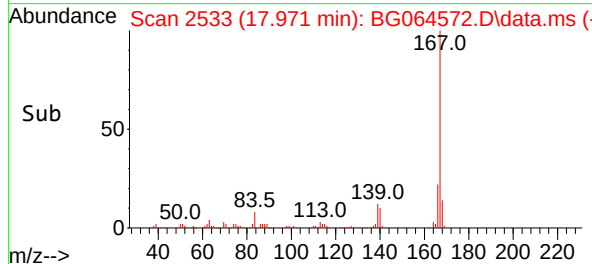


Tgt Ion:167 Resp: 350722
Ion Ratio Lower Upper
167 100
166 22.1 17.9 26.9
139 11.9 9.7 14.5

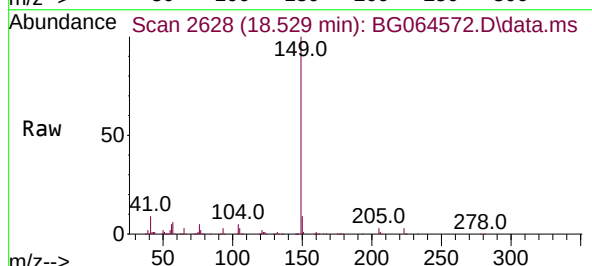
Manual Integrations

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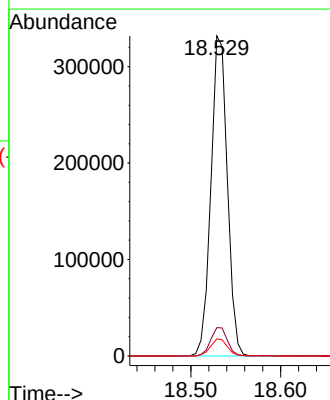
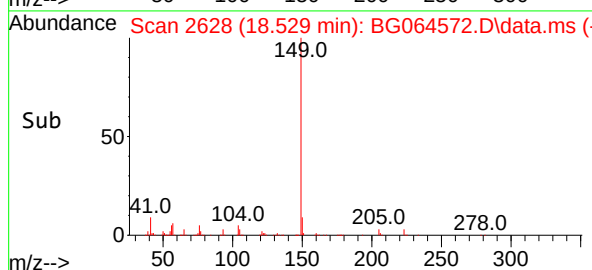
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

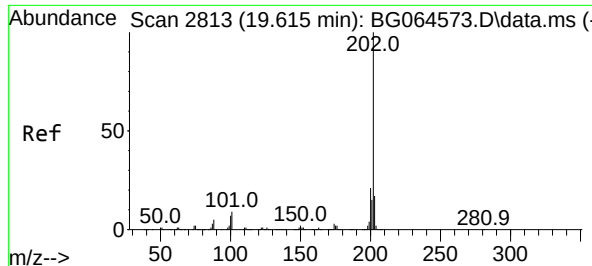


#74
Di-n-butylphthalate
Concen: 20.788 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



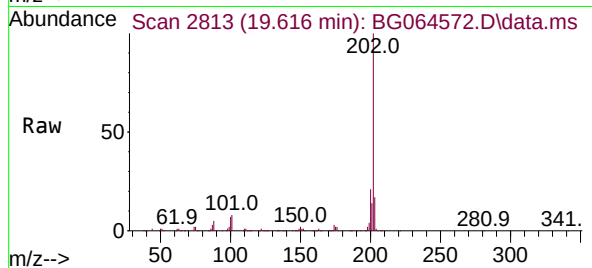
Tgt Ion:149 Resp: 421239
Ion Ratio Lower Upper
149 100
150 8.8 7.0 10.6
104 5.4 4.1 6.1





#75
Fluoranthene
Concen: 20.142 ng
RT: 19.616 min Scan# 2813
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

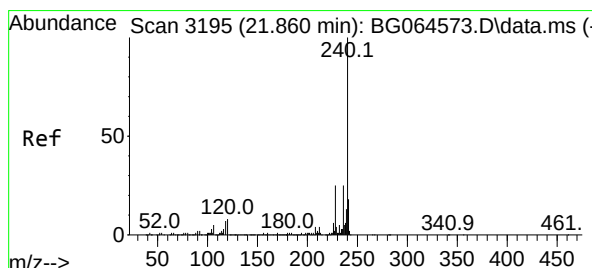
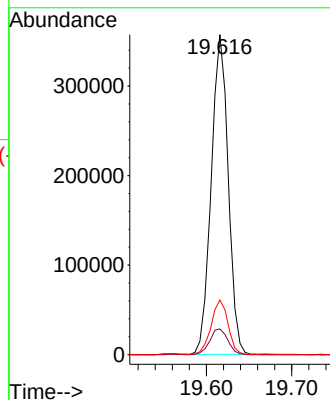
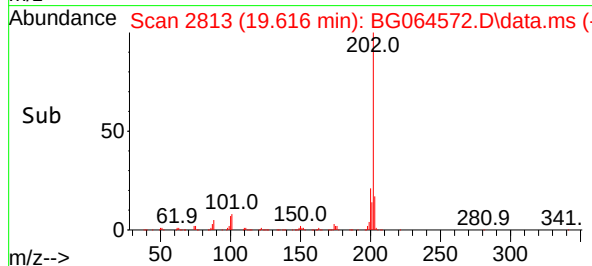
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:202 Resp: 492924
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.7
203 17.0 0.0 37.0

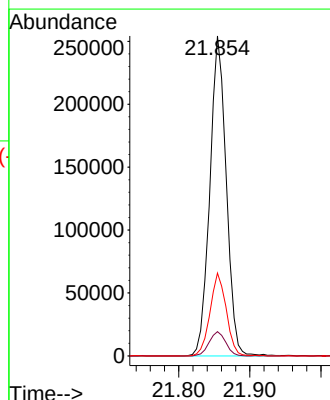
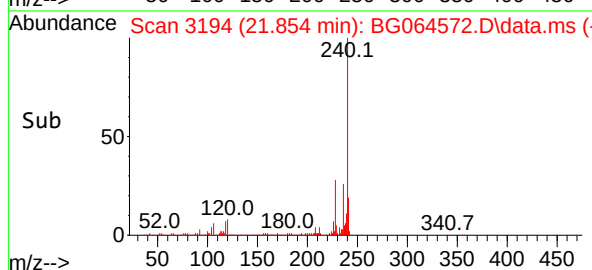
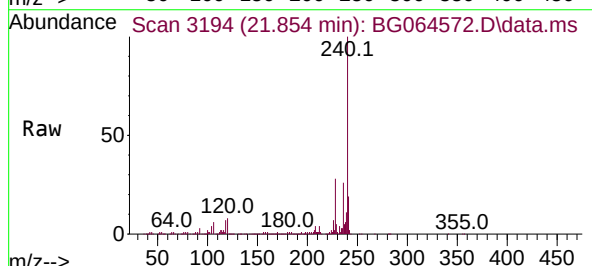
Manual Integrations
APPROVED

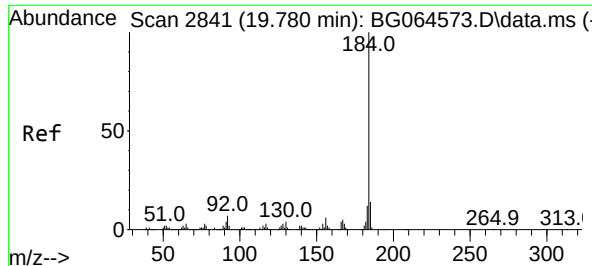
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

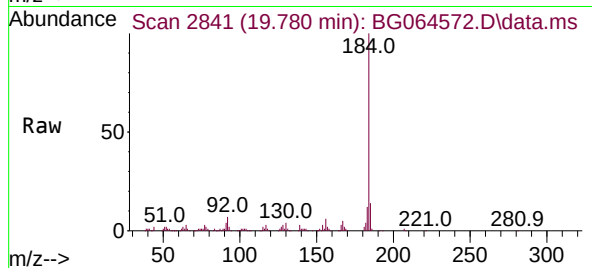
Tgt Ion:240 Resp: 408574
Ion Ratio Lower Upper
240 100
120 7.6 6.5 9.7
236 25.9 20.2 30.2





#77
Benzidine
Concen: 21.201 ng
RT: 19.780 min Scan# 2841
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

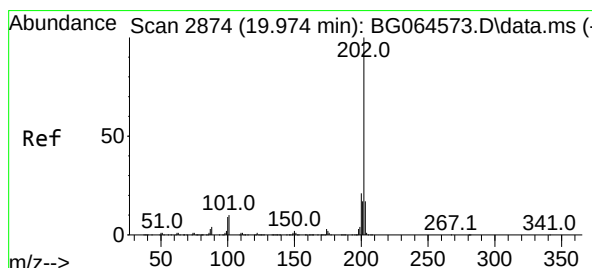
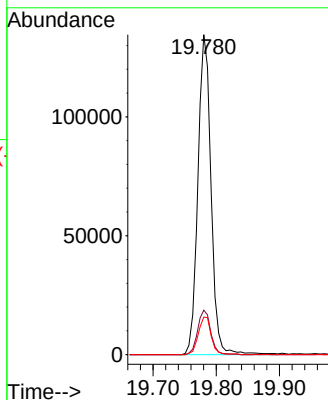
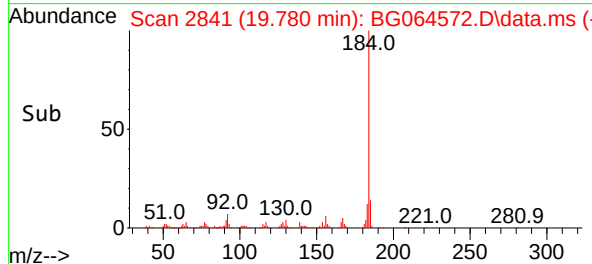
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:184 Resp: 194070
Ion Ratio Lower Upper
184 100
185 13.9 11.4 17.2
183 11.7 9.4 14.2

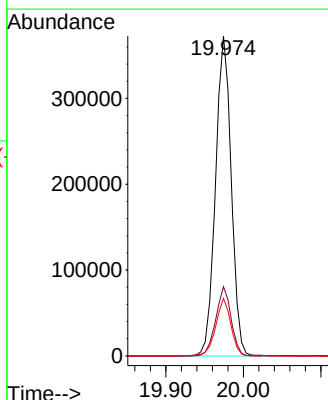
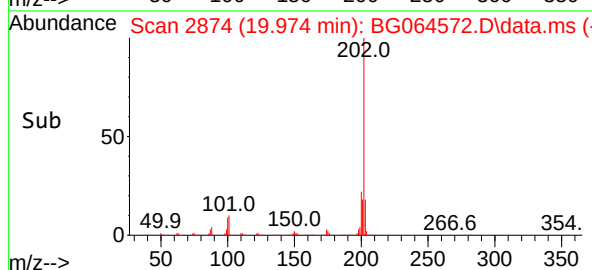
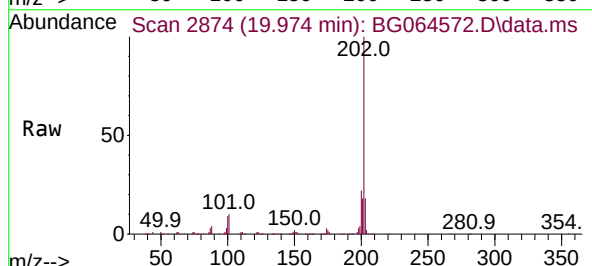
Manual Integrations
APPROVED

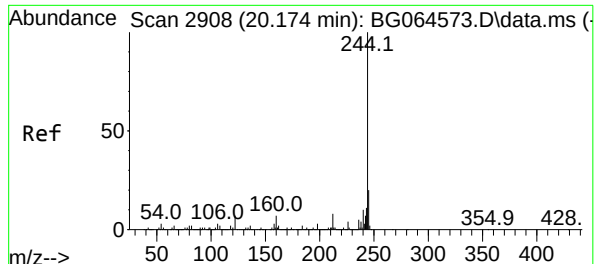
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

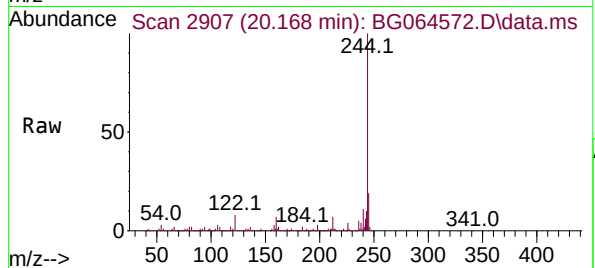
Tgt Ion:202 Resp: 524431
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.4
203 18.0 13.8 20.6





#79
Terphenyl-d14
Concen: 40.219 ng
RT: 20.168 min Scan# 2907
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

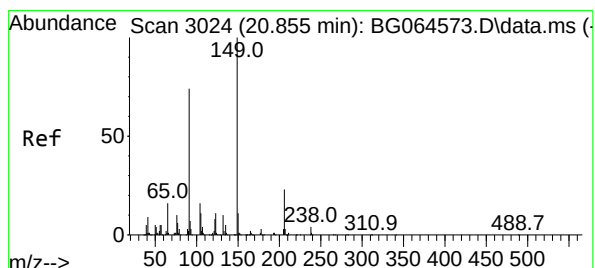
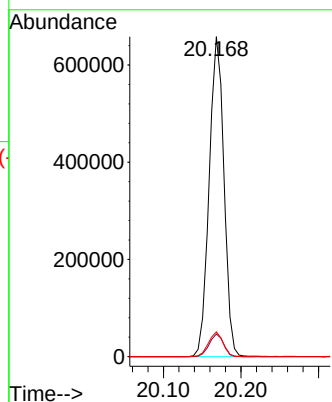
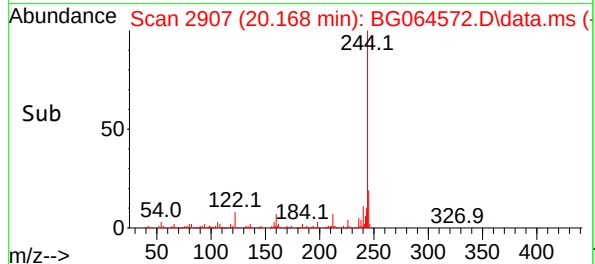
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:244 Resp: 870741
Ion Ratio Lower Upper
244 100
212 7.1 6.1 9.1
122 7.7 5.6 8.4

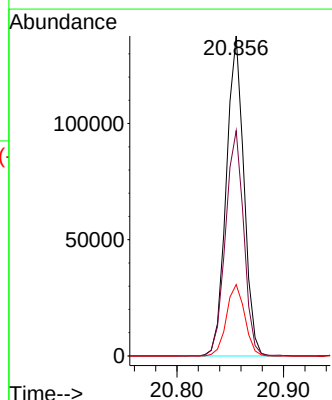
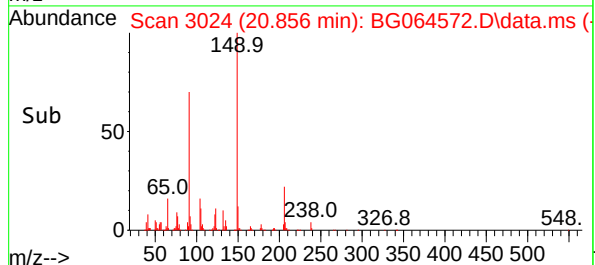
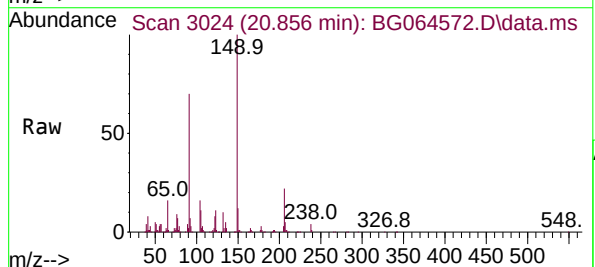
Manual Integrations
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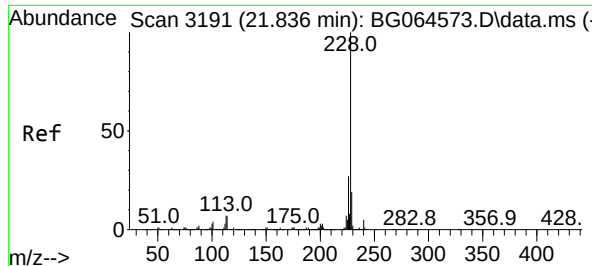
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

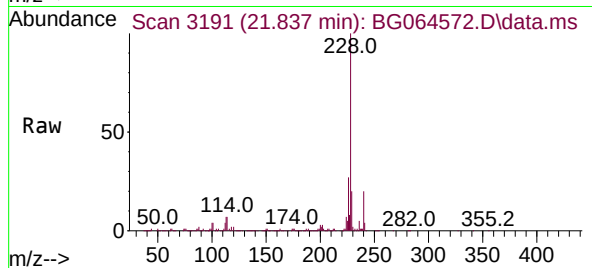
Tgt Ion:149 Resp: 158394
Ion Ratio Lower Upper
149 100
91 70.4 59.2 88.8
206 22.3 18.1 27.1





#81
Benzo(a)anthracene
Concen: 19.490 ng
RT: 21.837 min Scan# 3191
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

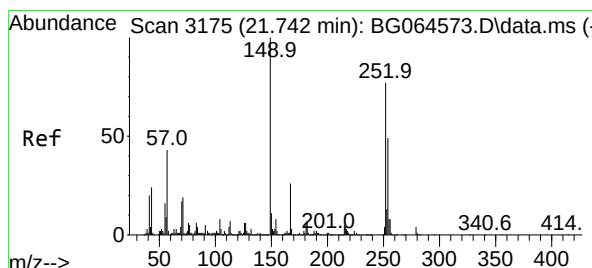
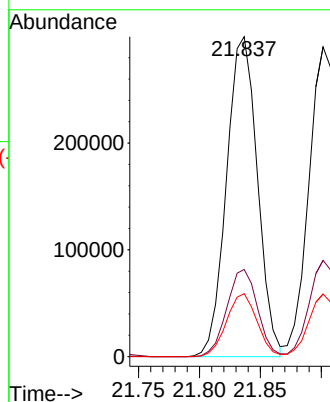
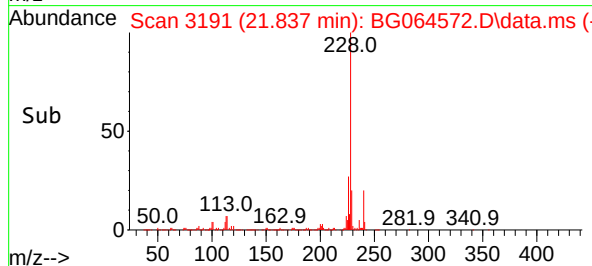
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 528009
Ion Ratio Lower Upper
228 100
226 27.2 21.9 32.9
229 19.7 15.6 23.4

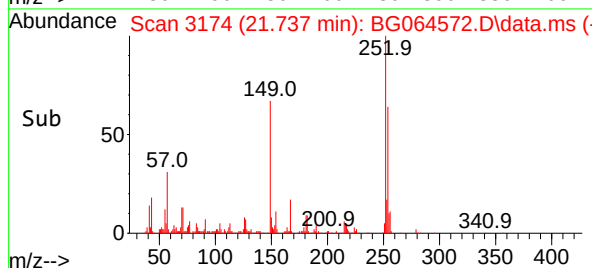
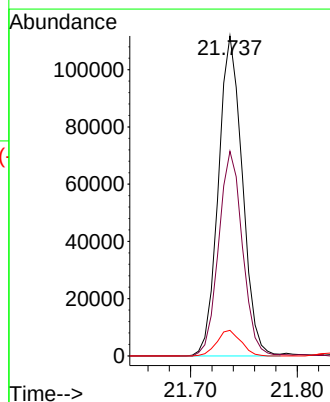
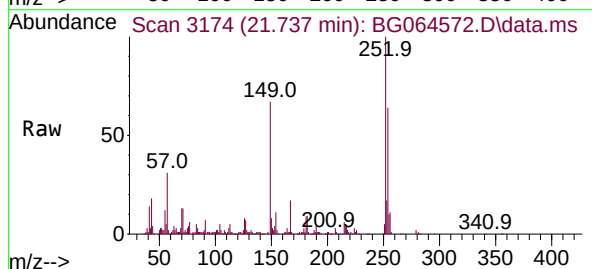
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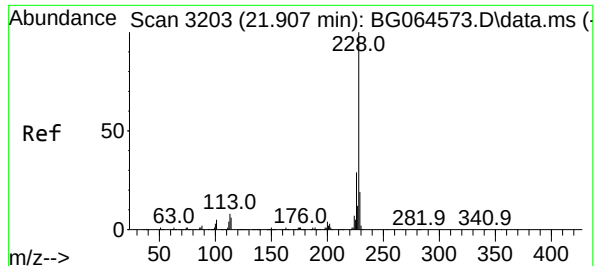
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

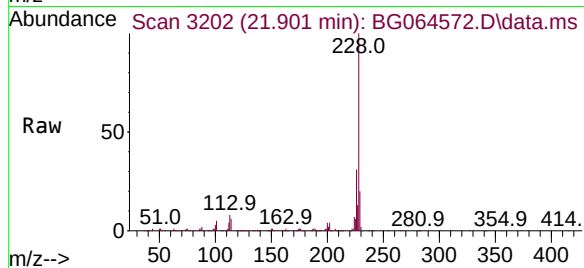
Tgt Ion:252 Resp: 174803
Ion Ratio Lower Upper
252 100
254 63.9 50.8 76.2
126 8.0 5.8 8.6





#83
Chrysene
Concen: 19.479 ng
RT: 21.901 min Scan# 3176
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

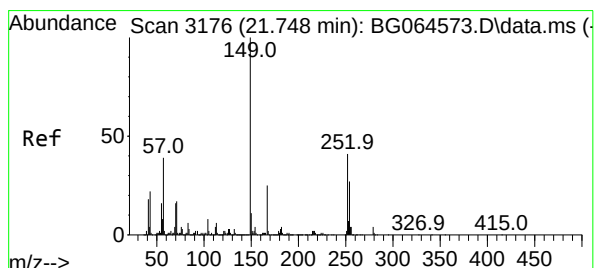
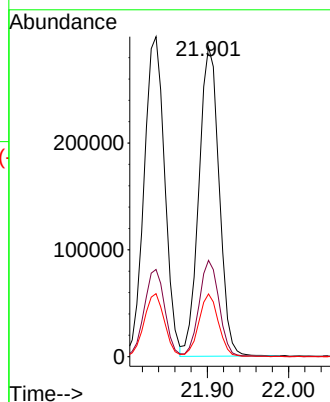
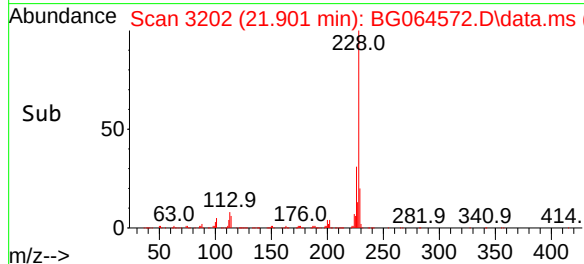
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 502125
Ion Ratio Lower Upper
228 100
226 31.1 23.3 34.9
229 20.2 15.2 22.8

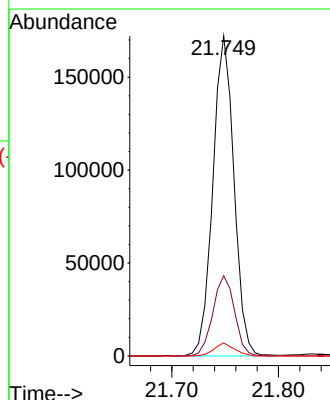
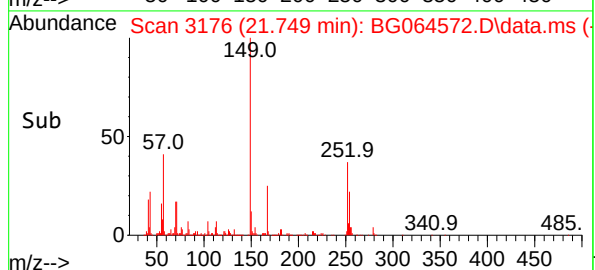
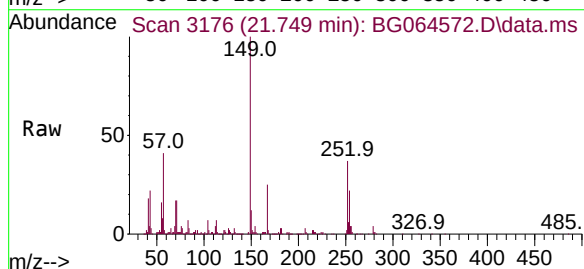
Manual Integrations
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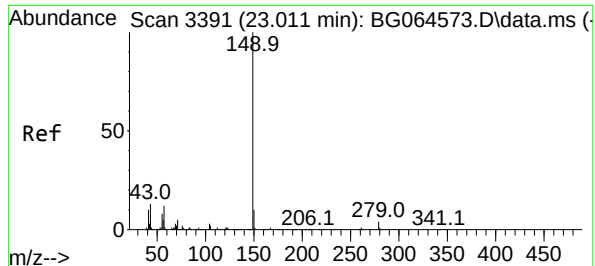
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

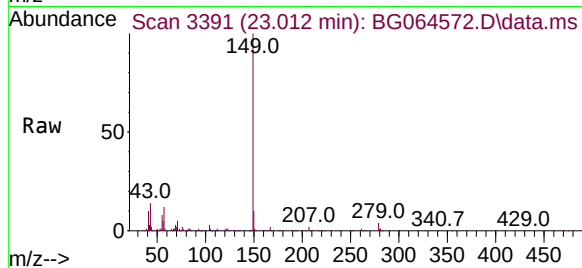
Tgt Ion:149 Resp: 237524
Ion Ratio Lower Upper
149 100
167 25.0 20.0 30.0
279 4.1 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 18.740 ng
RT: 23.012 min Scan# 3391
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

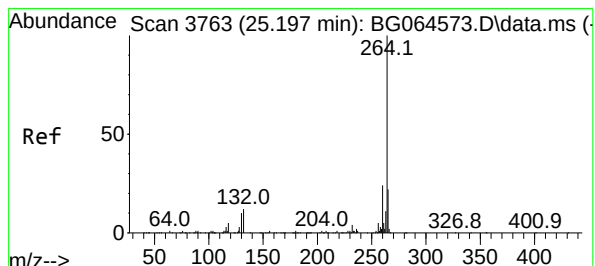
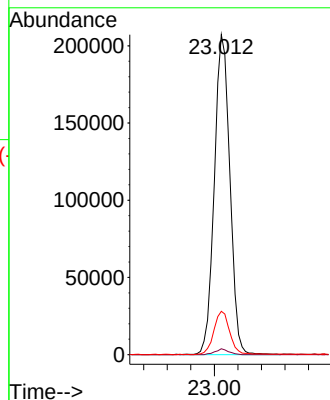
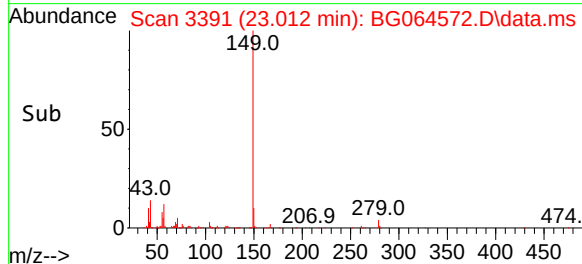
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



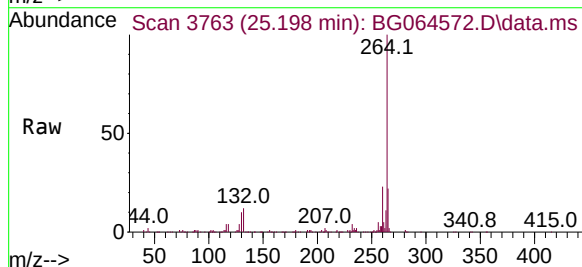
Tgt Ion:149 Resp: 380895
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 14.0 10.8 16.2

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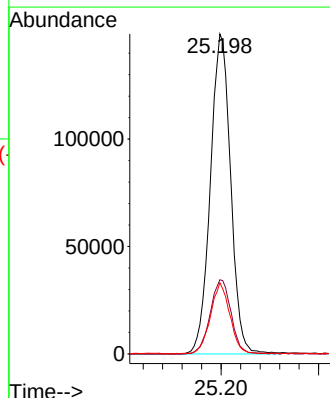
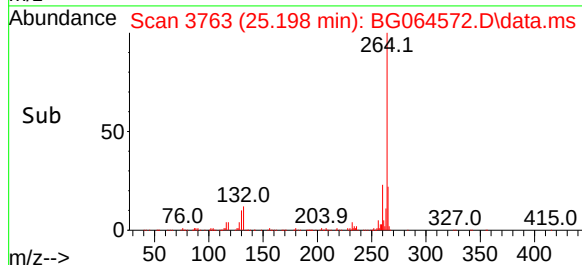
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

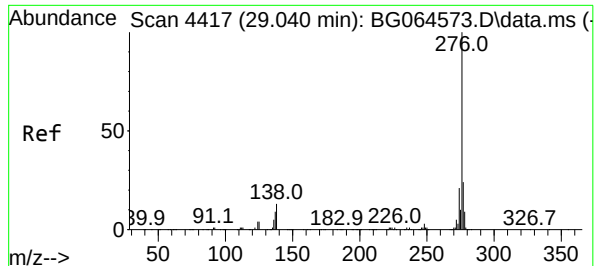


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3763
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23



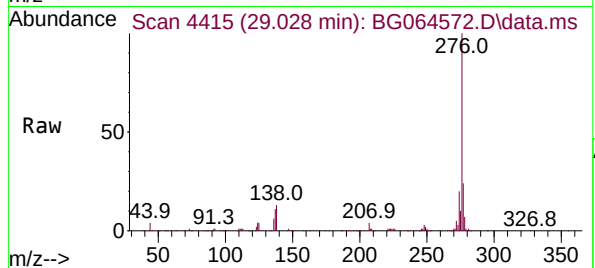
Tgt Ion:264 Resp: 430370
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.4
265 22.2 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 19.163 ng
RT: 29.028 min Scan# 4417
Delta R.T. -0.032 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

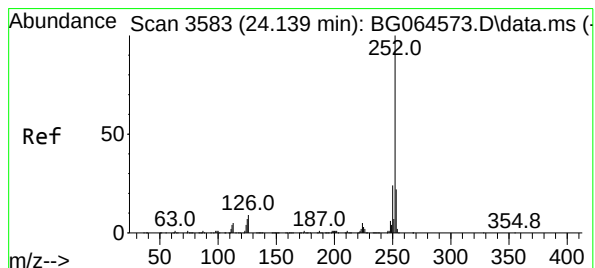
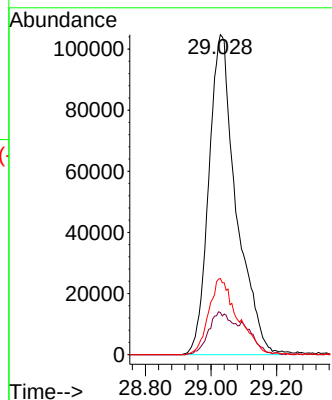
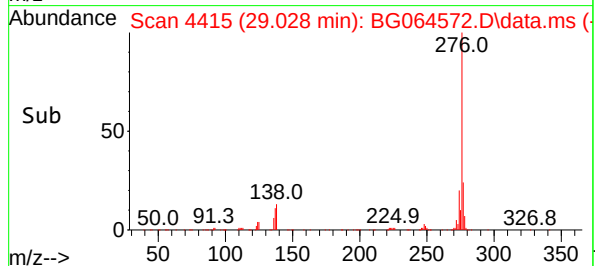
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:276 Resp: 606702
Ion Ratio Lower Upper
276 100
138 12.0 10.8 16.2
277 25.1 20.1 30.1

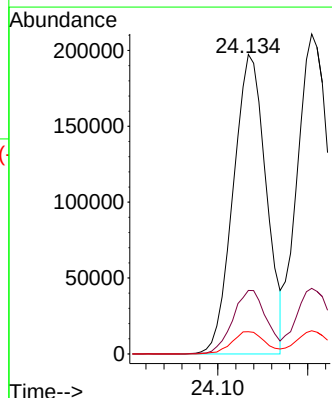
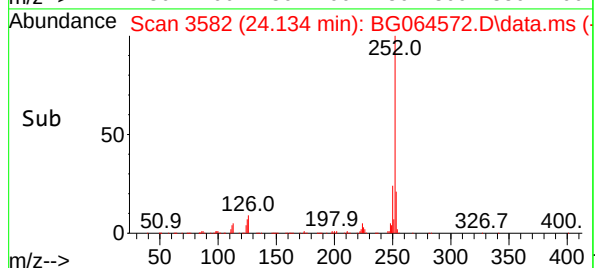
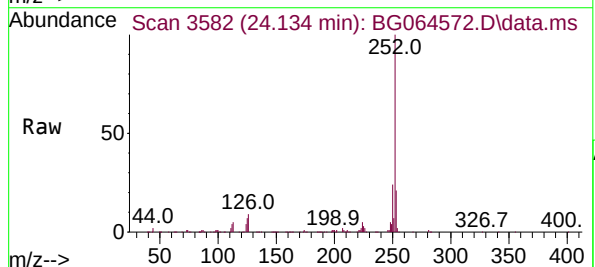
Manual Integrations
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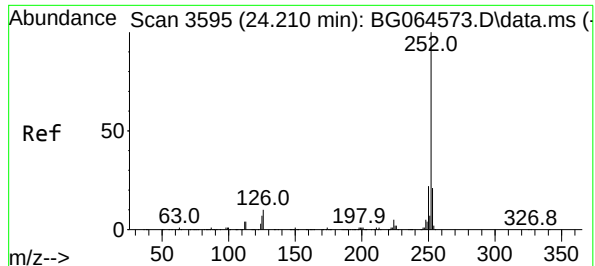
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:252 Resp: 503145
Ion Ratio Lower Upper
252 100
253 21.2 17.8 26.8
125 7.4 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 19.650 ng

RT: 24.205 min Scan# 3594

Delta R.T. -0.015 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

Instrument :

BNA_G

ClientSampleId :

SSTDICC020

Tgt Ion:252 Resp: 518915

Ion Ratio Lower Upper

252 100

253 20.5 16.8 25.2

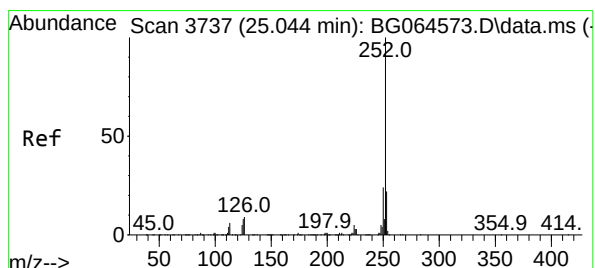
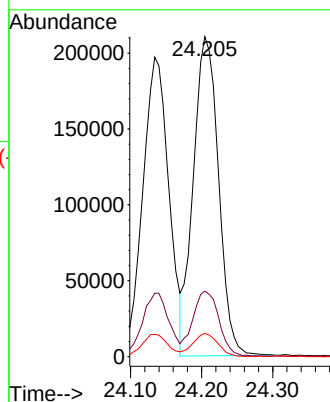
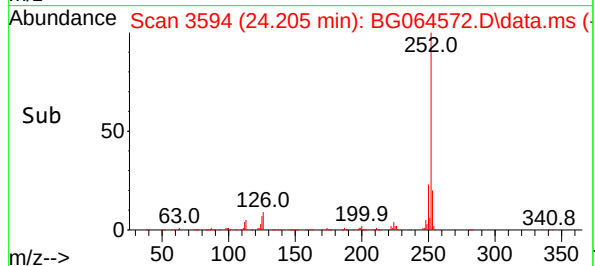
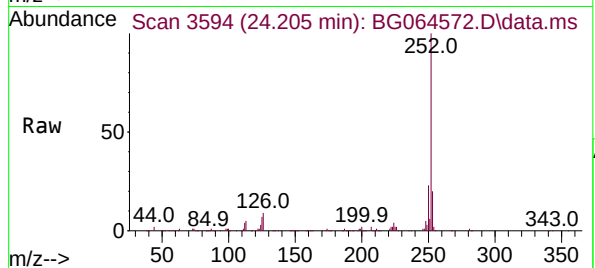
125 7.2 5.4 8.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#90

Benzo(a)pyrene

Concen: 19.398 ng

RT: 25.039 min Scan# 3736

Delta R.T. -0.021 min

Lab File: BG064572.D

Acq: 24 Oct 2025 12:23

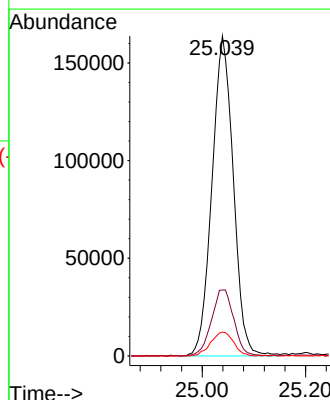
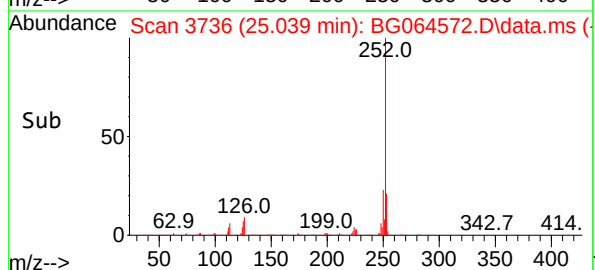
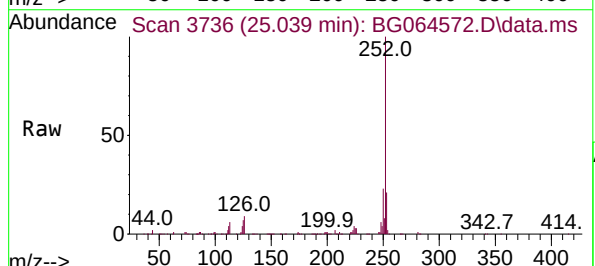
Tgt Ion:252 Resp: 470556

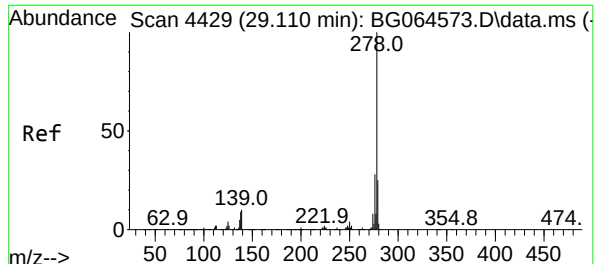
Ion Ratio Lower Upper

252 100

253 20.6 17.6 26.4

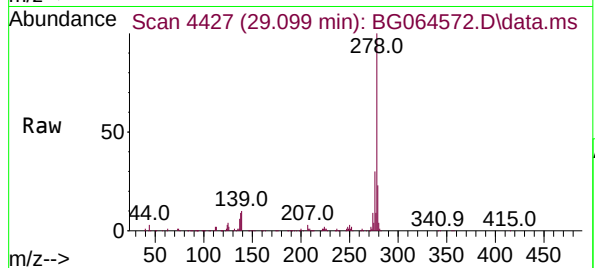
125 7.4 6.1 9.1





#91
Dibenzo(a,h)anthracene
Concen: 19.377 ng
RT: 29.099 min Scan# 4429
Delta R.T. -0.038 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

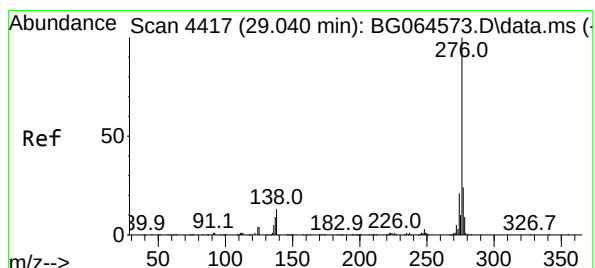
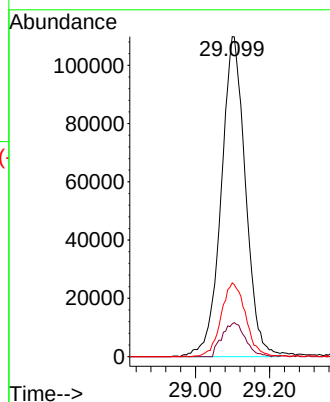
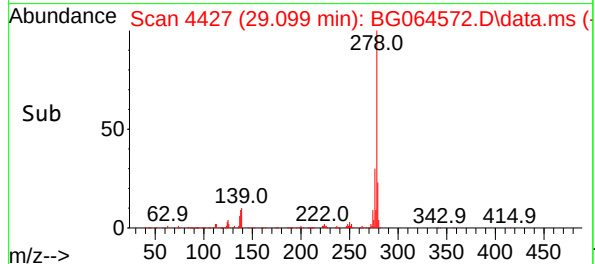
Instrument :
BNA_G
ClientSampleId :
SSTDICC020



Tgt Ion:278 Resp: 498395
Ion Ratio Lower Upper
278 100
139 10.2 8.0 12.0
279 23.0 19.8 29.6

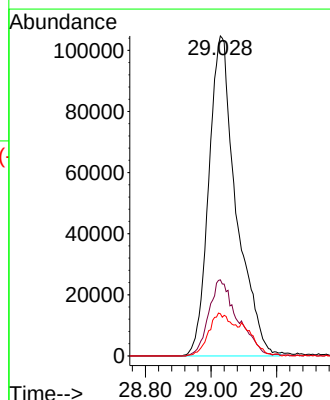
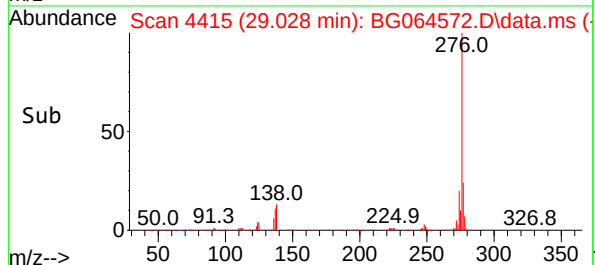
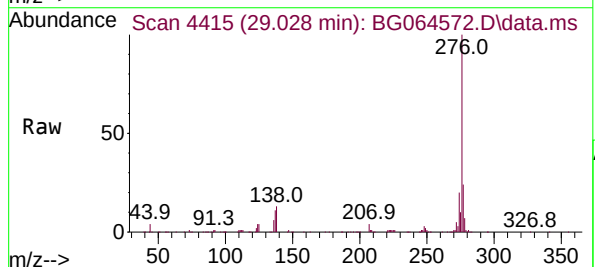
Manual Integrations
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Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

Tgt Ion:276 Resp: 606702
Ion Ratio Lower Upper
276 100
277 23.8 19.2 28.8
138 13.2 10.7 16.1



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 :Jagrut Upadhyay 10/27/2025

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	40195	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	164795	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	130542	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	313311	20.000	ng	0.00
76) Chrysene-d12	21.860	240	332834	20.000	ng	0.00
86) Perylene-d12	25.197	264	350897	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	207807	86.778	ng	0.00
7) Phenol-d6	7.353	99	284694	86.638	ng	0.00
23) Nitrobenzene-d5	9.386	82	248341	90.513	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	165976	88.092	ng	0.00
45) 2-Fluorobiphenyl	13.476	172	722477	83.888	ng	0.00
79) Terphenyl-d14	20.174	244	1521028	86.242	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.587	88	42215	39.818	ng	100
3) Pyridine	3.998	79	134153	42.136	ng	100
4) n-Nitrosodimethylamine	3.904	42	72367	42.385	ng	100
6) Aniline	7.530	93	191799	42.894	ng	100
8) 2-Chlorophenol	7.776	128	110414	44.051	ng	100
9) Benzaldehyde	7.342	77	75557	42.117	ng	100
10) Phenol	7.377	94	156259	42.998	ng	100
11) bis(2-Chloroethyl)ether	7.530	93	191799	42.894	ng	100
12) 1,3-Dichlorobenzene	8.111	146	122224	42.367	ng	100
13) 1,4-Dichlorobenzene	8.258	146	123314	42.038	ng	100
14) 1,2-Dichlorobenzene	8.581	146	119228	42.140	ng	100
15) Benzyl Alcohol	8.446	79	114526	42.265	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.740	45	300095	42.819	ng	100
17) 2-Methylphenol	8.446	107	59910	44.231	ng	100
18) Hexachloroethane	9.322	117	43488	42.246	ng	100
19) n-Nitroso-di-n-propyla...	9.028	70	98647	43.438	ng	100
20) 3+4-Methylphenols	8.975	107	146177	43.080	ng	100
22) Acetophenone	9.045	105	192583	42.750	ng	100
24) Nitrobenzene	9.427	77	135107	45.274	ng	100
25) Isophorone	9.956	82	286439	43.507	ng	100
26) 2-Nitrophenol	10.144	139	45134	39.772	ng	100
27) 2,4-Dimethylphenol	10.191	122	110518	44.243	ng	100
28) bis(2-Chloroethoxy)met...	10.438	93	161449	43.070	ng	100
29) 2,4-Dichlorophenol	10.679	162	118669	45.026	ng	100
30) 1,2,4-Trichlorobenzene	10.908	180	128902	43.046	ng	100
31) Naphthalene	11.096	128	388032	42.469	ng	100
32) Benzoic acid	10.309	122	72661m	41.457	ng	
33) 4-Chloroaniline	11.190	127	151231	42.585	ng	100
34) Hexachlorobutadiene	11.390	225	98683	42.139	ng	100
35) Caprolactam	11.948	113	44205	43.731	ng	100
36) 4-Chloro-3-methylphenol	12.289	107	140272	44.278	ng	100
37) 2-Methylnaphthalene	12.688	142	285089	42.499	ng	100
38) 1-Methylnaphthalene	12.906	142	281256	42.611	ng	100
40) 1,2,4,5-Tetrachloroben...	13.052	216	183376	41.856	ng	100
41) Hexachlorocyclopentadiene	13.041	237	84505	42.853	ng	100
43) 2,4,6-Trichlorophenol	13.276	196	110509	44.097	ng	100

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 :Jagrut Upadhyay 10/27/2025

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

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

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

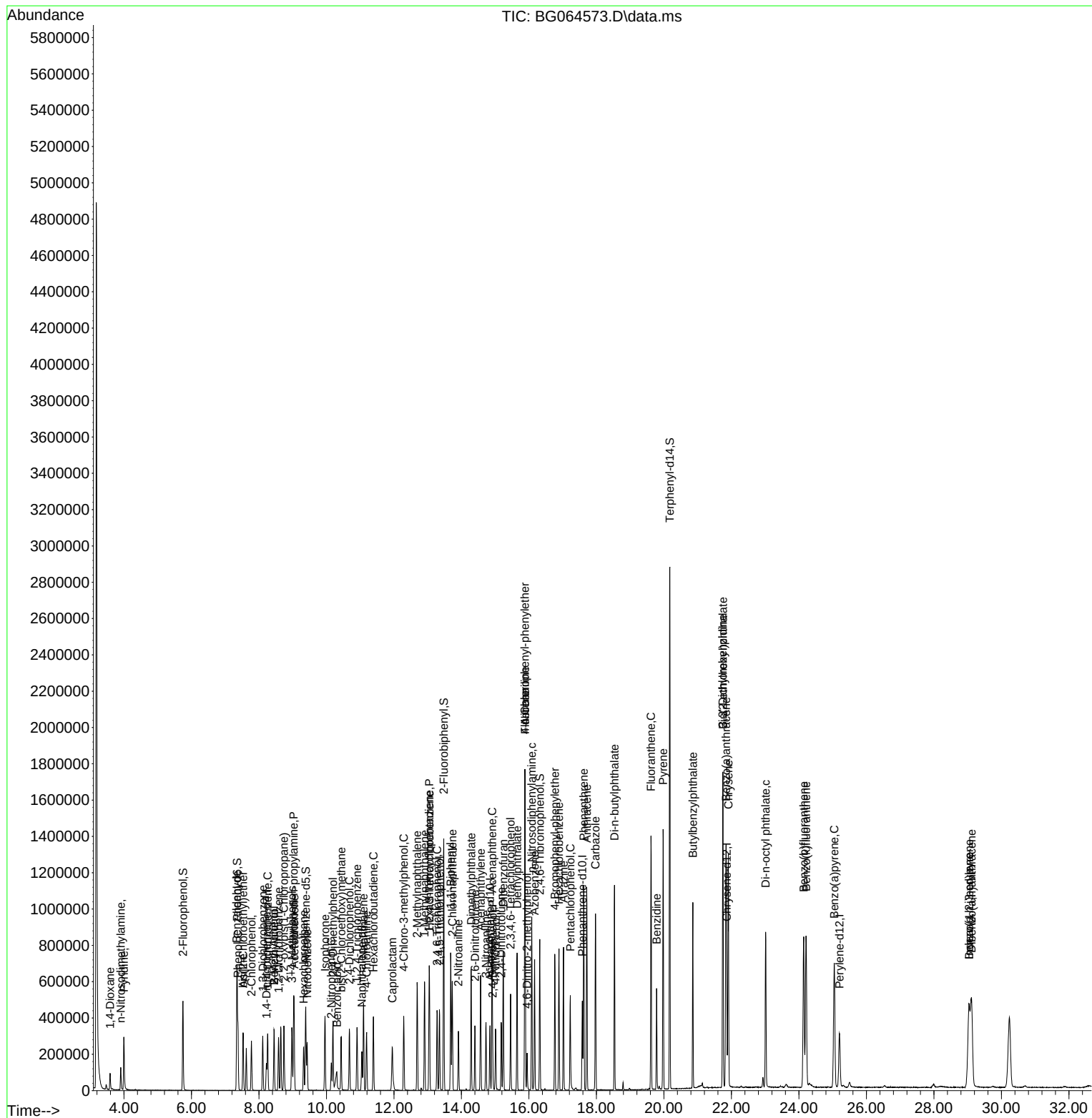
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Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

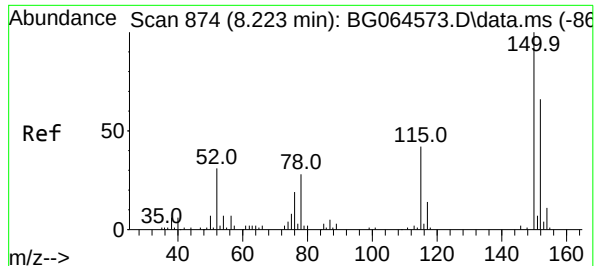
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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

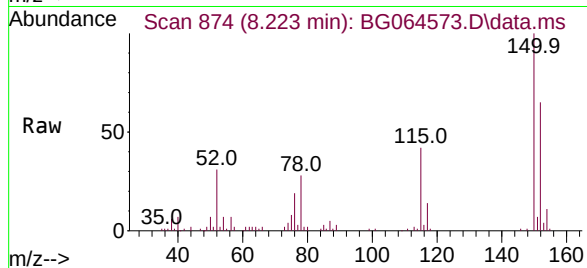
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 874
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

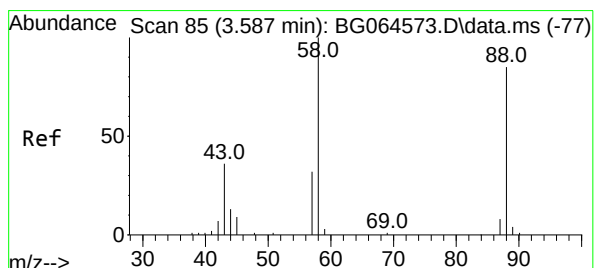
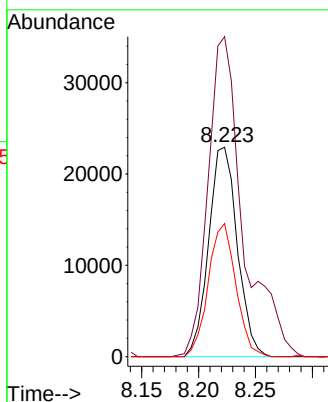
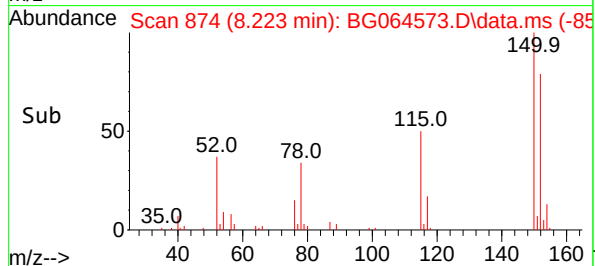
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion: 152 Resp: 40195
Ion Ratio Lower Upper
152 100
150 152.8 122.2 183.4
115 63.5 50.8 76.2

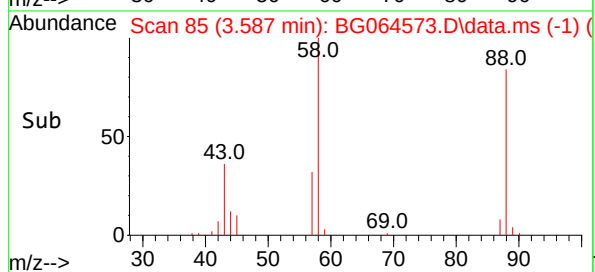
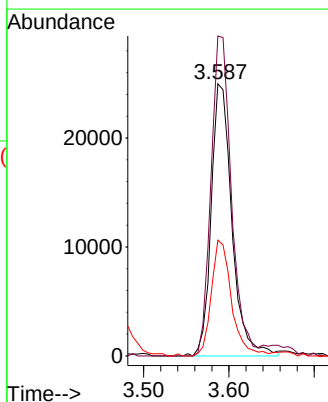
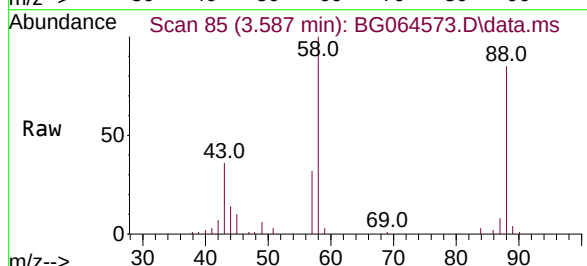
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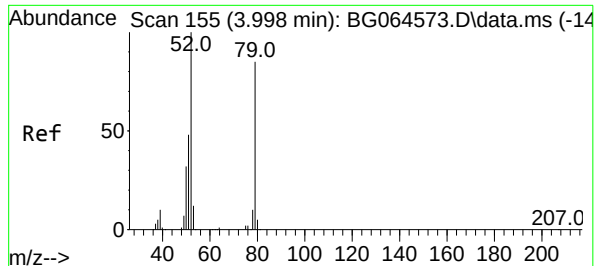
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



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

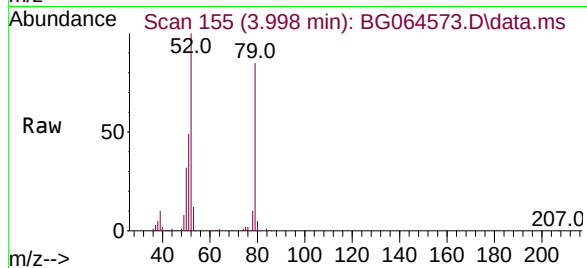
Tgt Ion: 88 Resp: 42215
Ion Ratio Lower Upper
88 100
58 115.5 92.4 138.6
43 41.3 33.0 49.6





#3
Pyridine
Concen: 42.136 ng
RT: 3.998 min Scan# 155
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

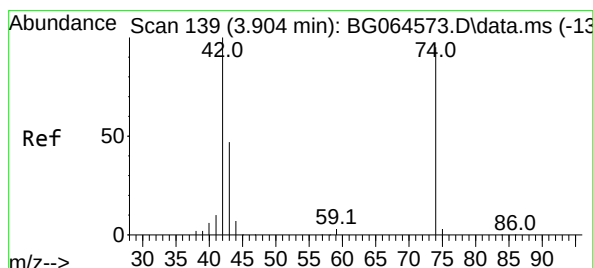
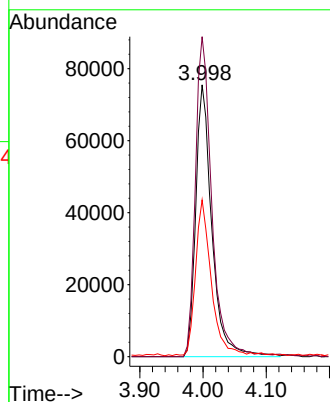
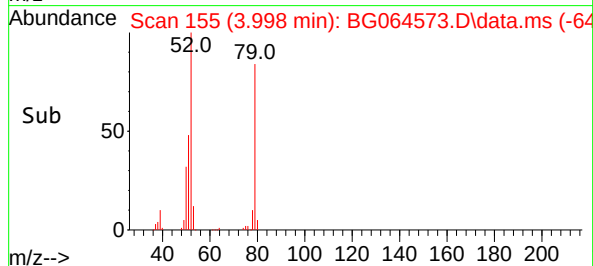
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion: 79 Resp: 134153
Ion Ratio Lower Upper
79 100
52 117.7 94.2 141.2
51 57.6 46.1 69.1

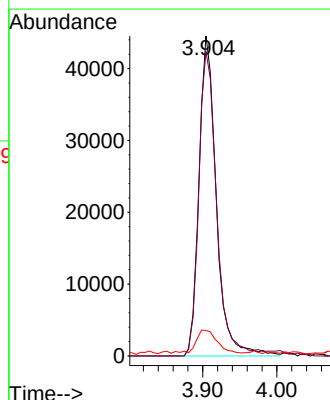
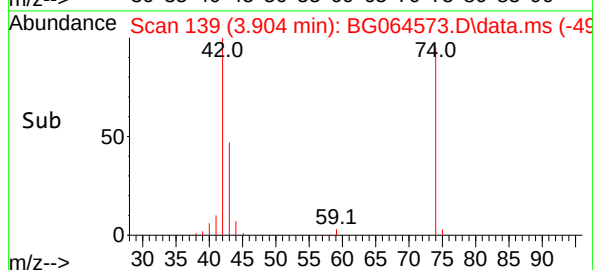
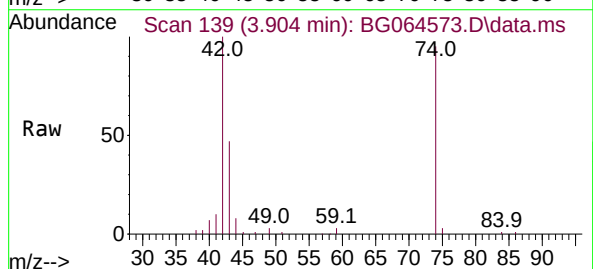
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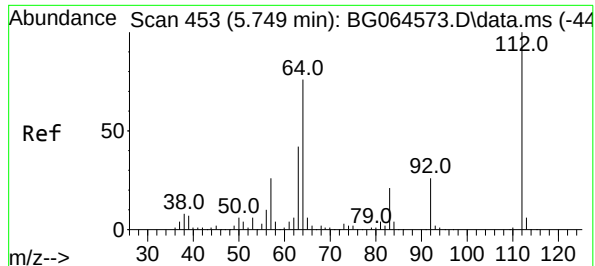
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#4
n-Nitrosodimethylamine
Concen: 42.385 ng
RT: 3.904 min Scan# 139
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 42 Resp: 72367
Ion Ratio Lower Upper
42 100
74 95.1 76.1 114.1
44 7.9 6.3 9.5





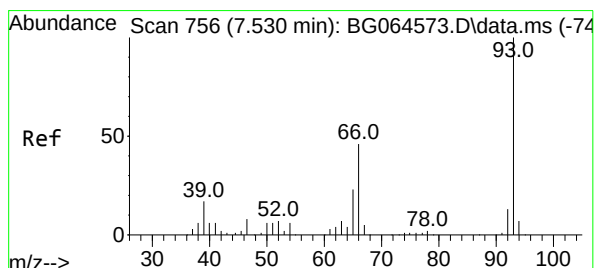
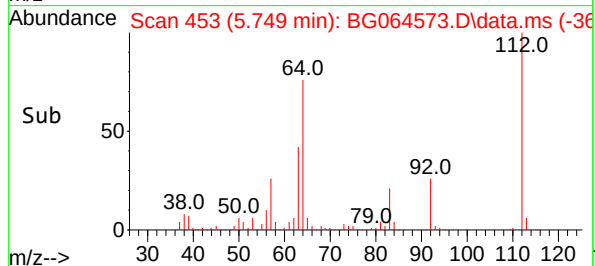
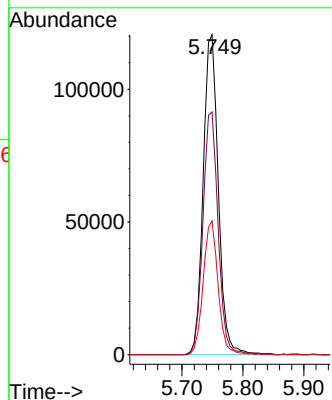
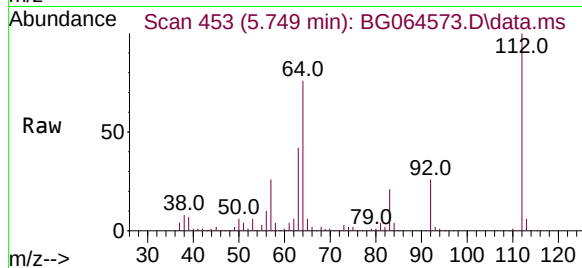
#5
2-Fluorophenol
Concen: 86.778 ng
RT: 5.749 min Scan# 453
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 207807
Ion Ratio Lower Upper
112 100
64 75.9 60.7 91.1
63 41.7 33.4 50.0

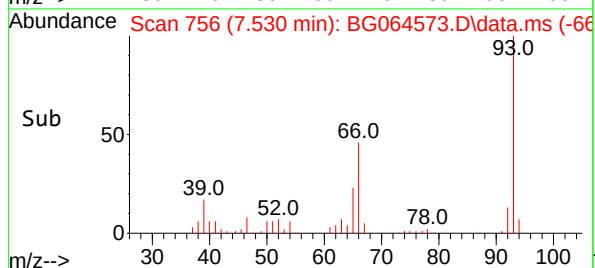
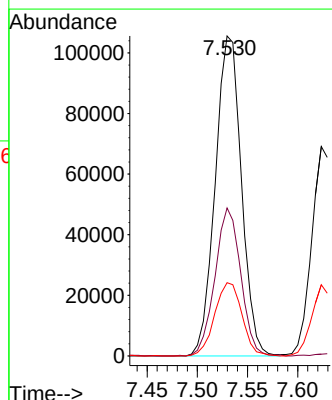
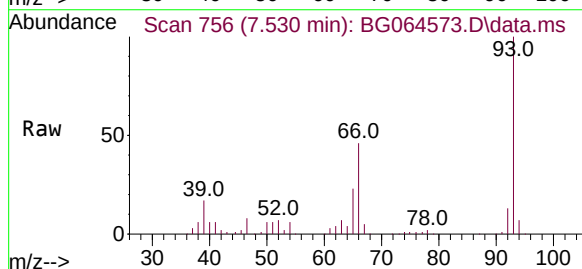
Manual Integrations
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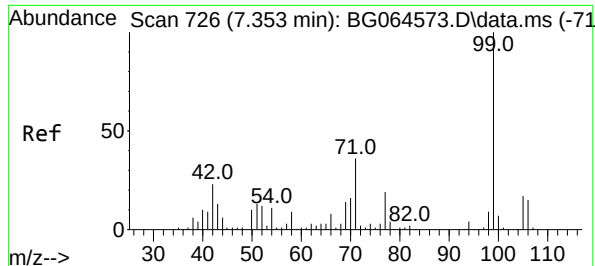
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#6
Aniline
Concen: 42.894 ng
RT: 7.530 min Scan# 756
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

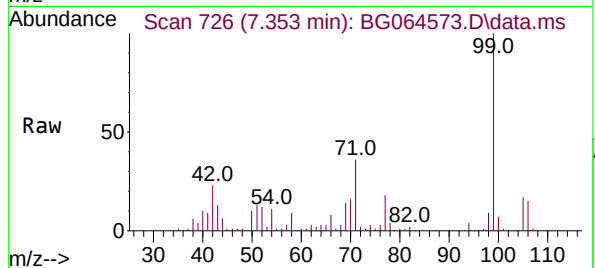
Tgt Ion: 93 Resp: 191799
Ion Ratio Lower Upper
93 100
66 46.3 37.0 55.6
65 22.9 18.3 27.5





#7
Phenol-d6
Concen: 86.638 ng
RT: 7.353 min Scan# 726
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

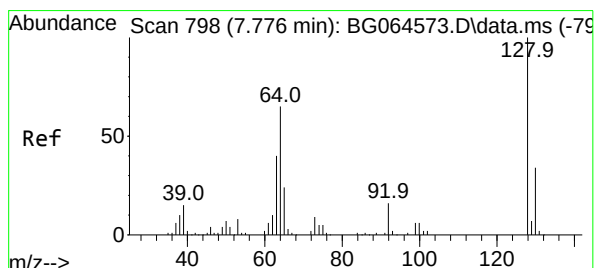
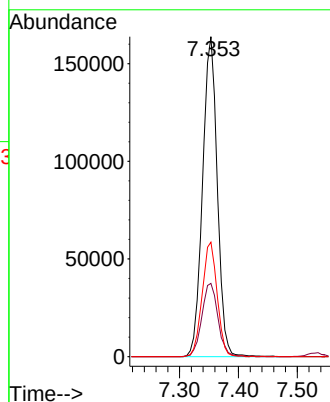
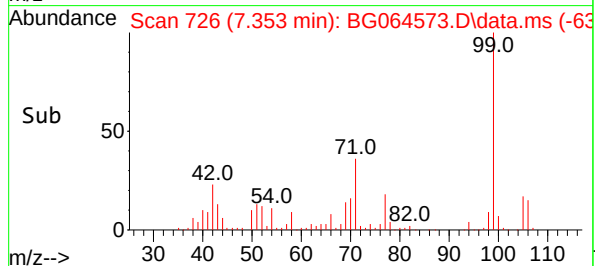
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion: 99 Resp: 284694
Ion Ratio Lower Upper
99 100
42 22.9 18.3 27.5
71 35.8 28.6 43.0

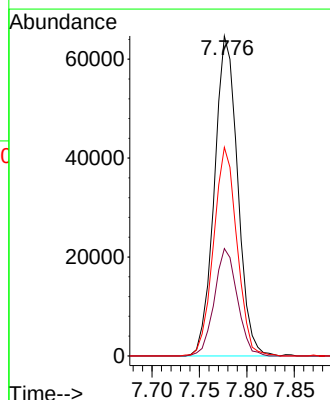
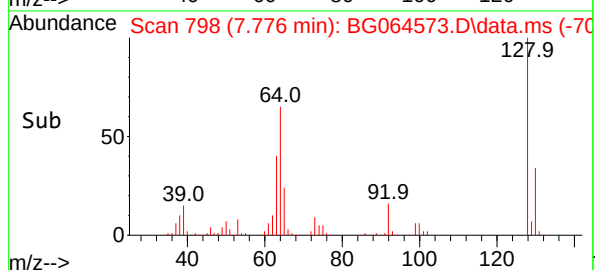
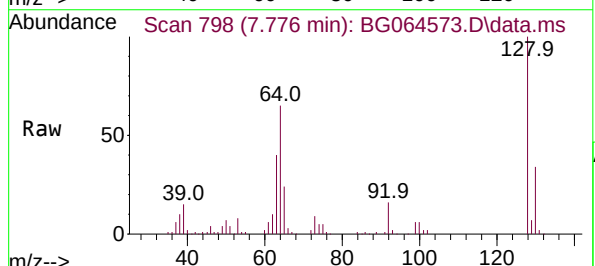
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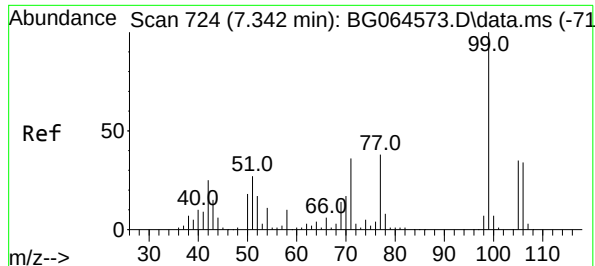
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#8
2-Chlorophenol
Concen: 44.051 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

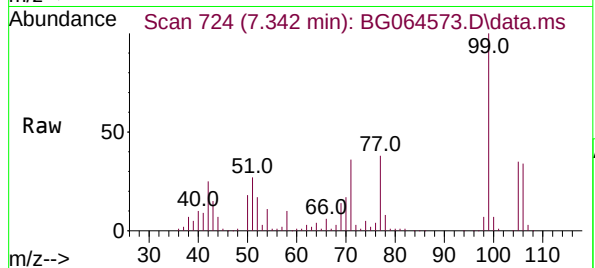
Tgt Ion:128 Resp: 110414
Ion Ratio Lower Upper
128 100
130 33.5 13.5 53.5
64 65.2 45.2 85.2





#9
Benzaldehyde
Concen: 42.117 ng
RT: 7.342 min Scan# 71
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

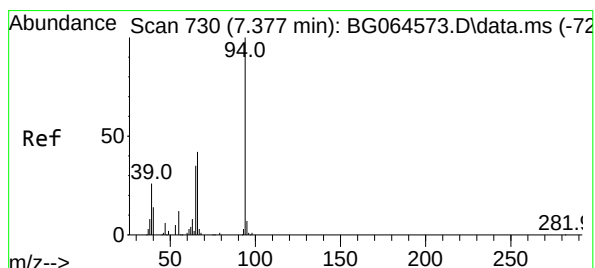
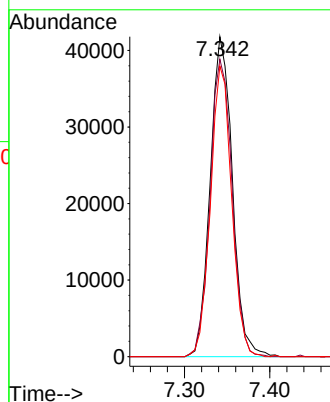
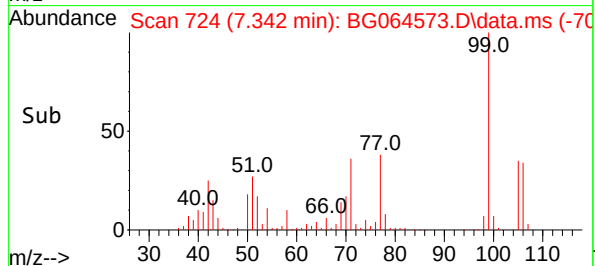
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



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

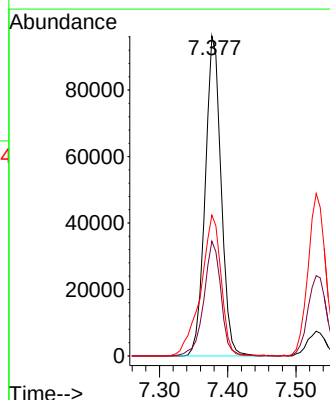
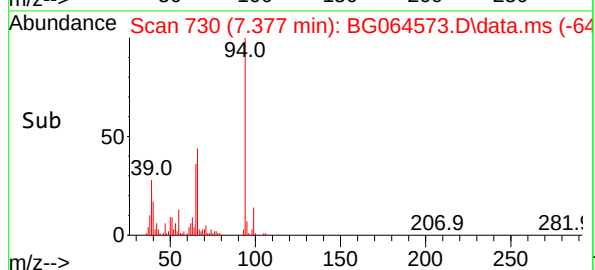
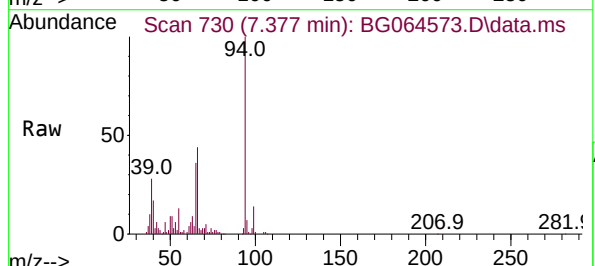
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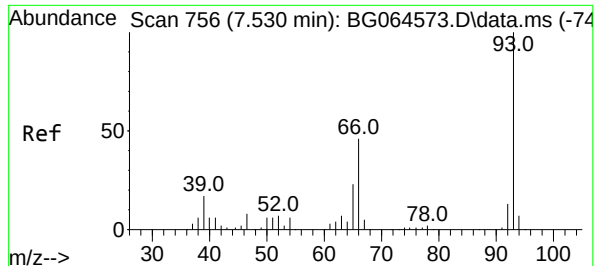
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#10
Phenol
Concen: 42.998 ng
RT: 7.377 min Scan# 730
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 94 Resp: 156259
Ion Ratio Lower Upper
94 100
65 35.8 15.8 55.8
66 44.0 24.0 64.0





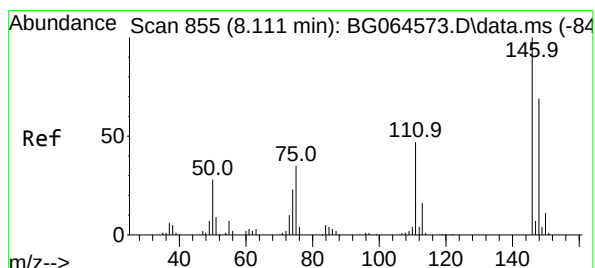
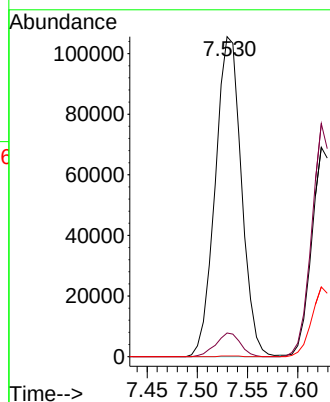
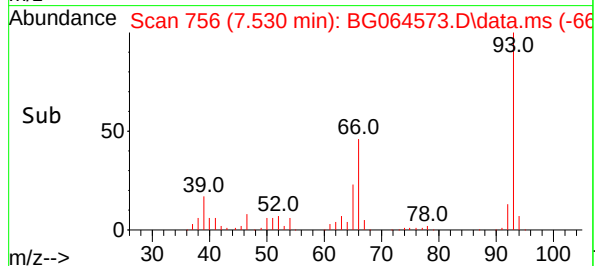
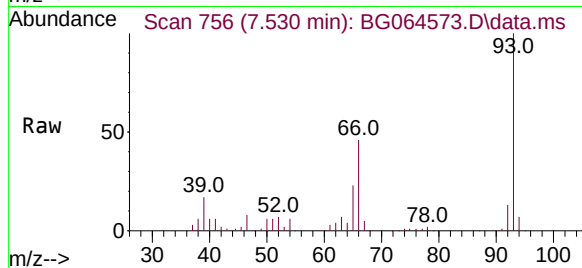
#11
bis(2-Chloroethyl)ether
Concen: 42.894 ng
RT: 7.530 min Scan# 756
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 191799
Ion Ratio Lower Upper
93 100
63 7.4 0.0 27.4
95 0.2 0.0 20.2

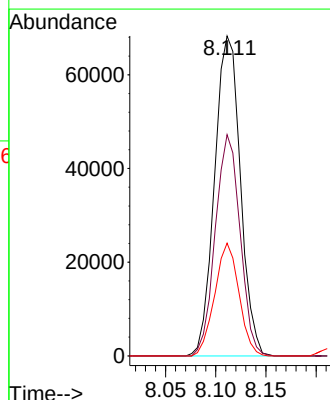
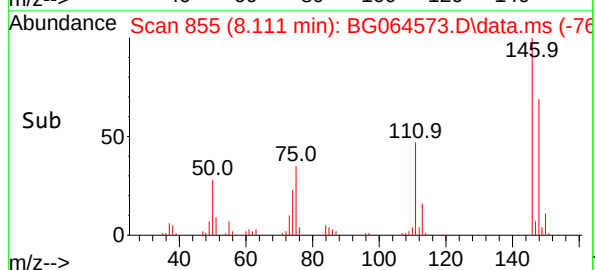
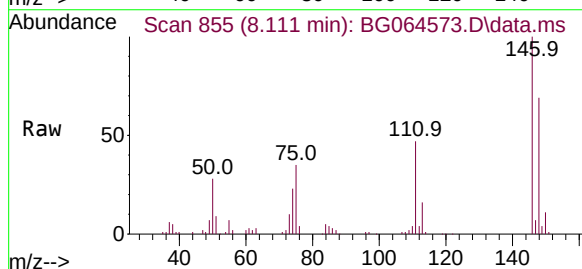
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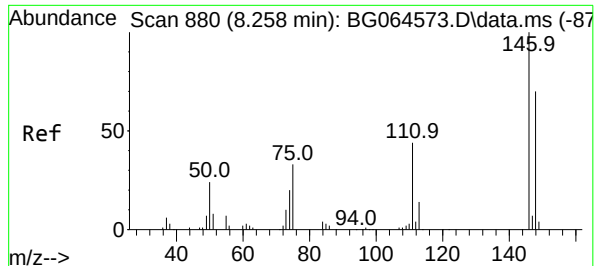
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#12
1,3-Dichlorobenzene
Concen: 42.367 ng
RT: 8.111 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:146 Resp: 122224
Ion Ratio Lower Upper
146 100
148 69.1 55.3 82.9
75 35.2 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 42.038 ng

RT: 8.258 min Scan# 880

Delta R.T. 0.002 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:146 Resp: 123314

Ion Ratio Lower Upper

146 100

148 70.3 56.2 84.4

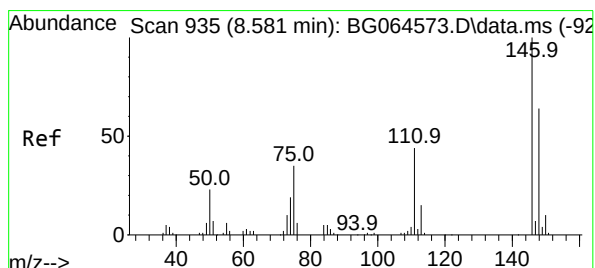
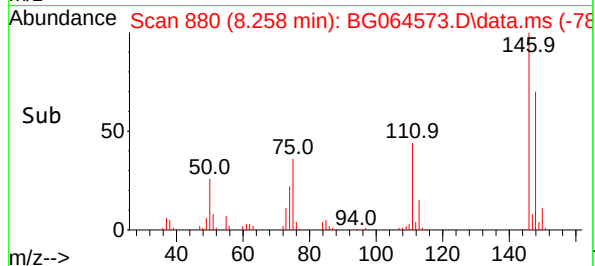
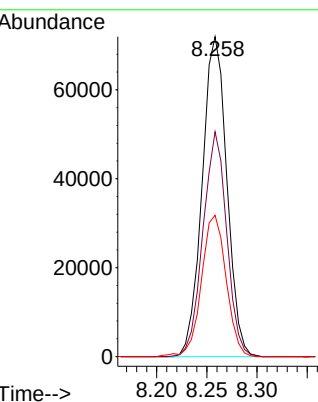
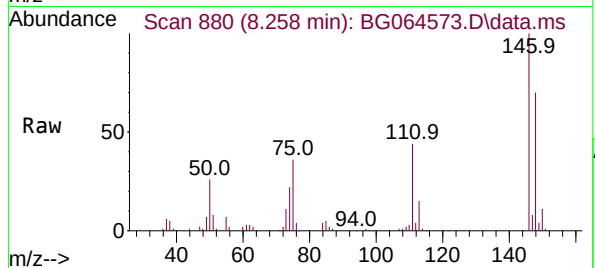
111 44.2 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#14

1,2-Dichlorobenzene

Concen: 42.140 ng

RT: 8.581 min Scan# 935

Delta R.T. 0.002 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

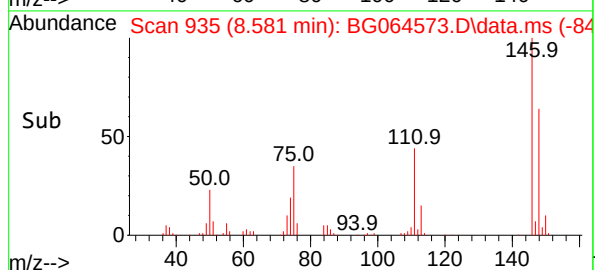
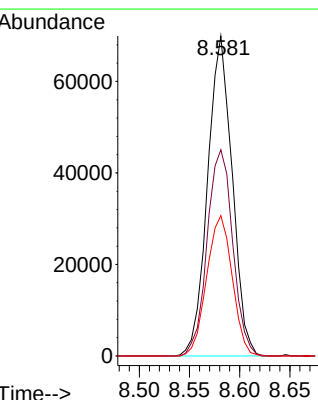
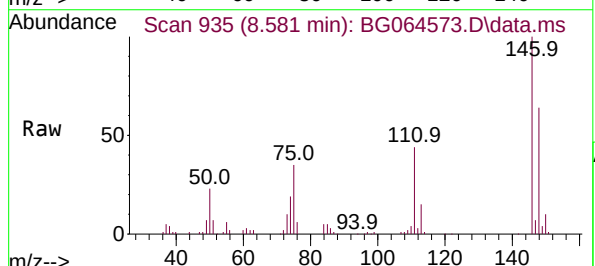
Tgt Ion:146 Resp: 119228

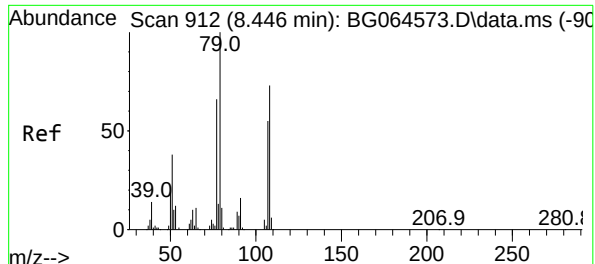
Ion Ratio Lower Upper

146 100

148 64.4 51.5 77.3

111 43.8 35.0 52.6





#15

Benzyl Alcohol

Concen: 42.265 ng

RT: 8.446 min Scan# 912

Delta R.T. -0.009 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion: 79 Resp: 114526

Ion Ratio Lower Upper

79 100

108 72.6 58.1 87.1

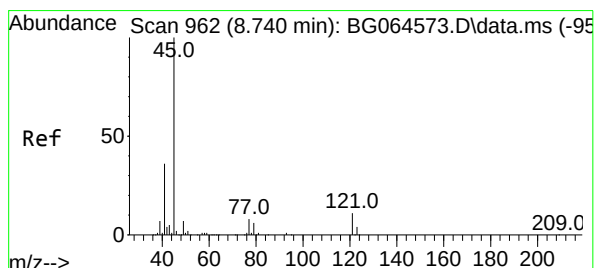
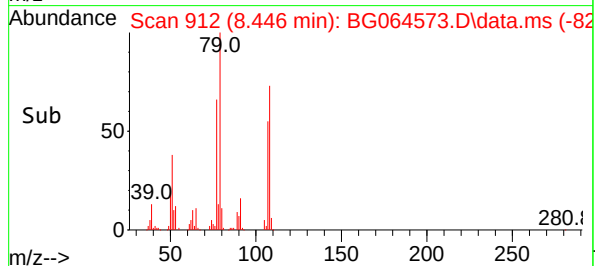
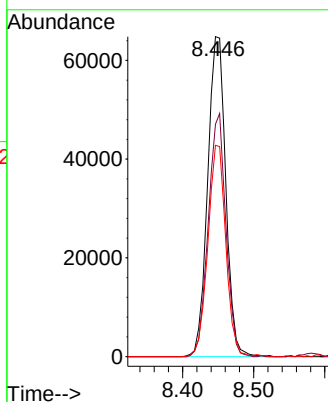
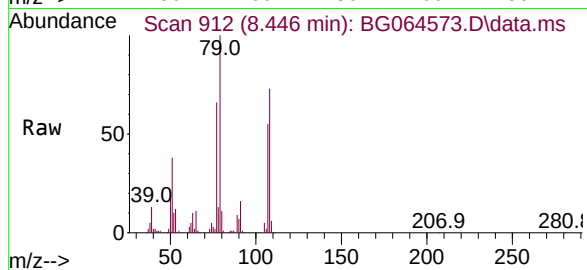
77 66.0 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 42.819 ng

RT: 8.740 min Scan# 962

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

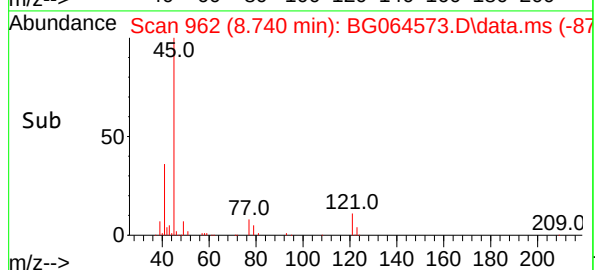
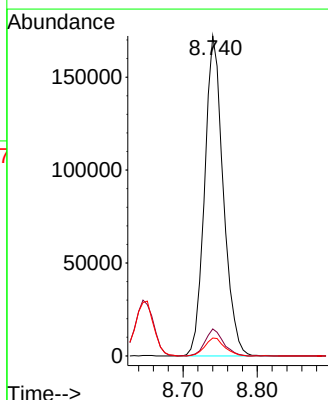
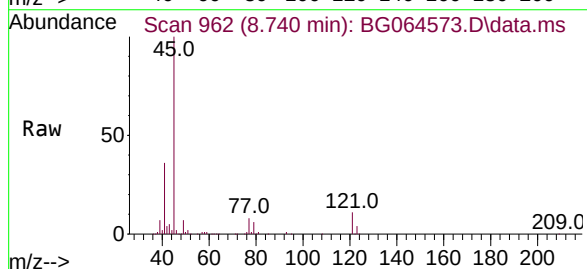
Tgt Ion: 45 Resp: 300095

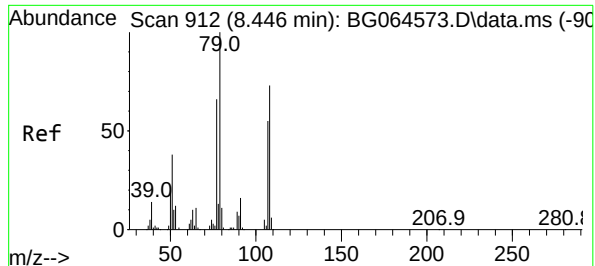
Ion Ratio Lower Upper

45 100

77 8.5 0.0 28.5

79 5.6 0.0 25.6





#17

2-Methylphenol

Concen: 44.231 ng

RT: 8.446 min Scan# 912

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:107 Resp: 59910

Ion Ratio Lower Upper

107 100

108 133.0 106.4 159.6

77 120.9 96.7 145.1

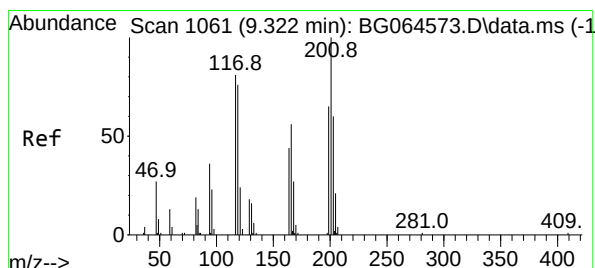
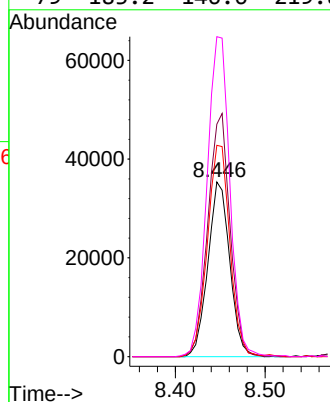
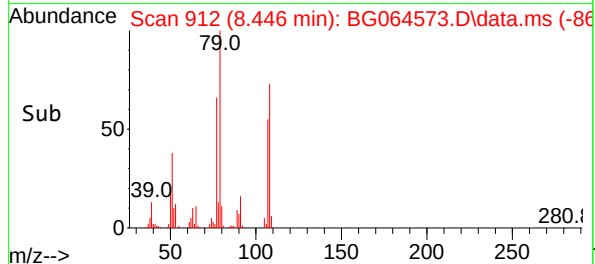
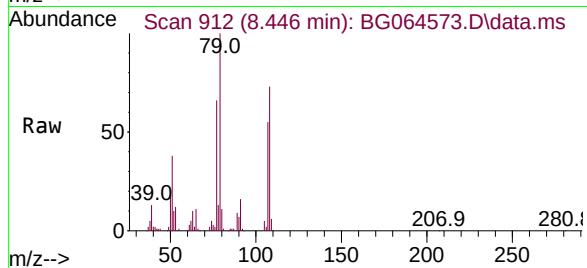
79 183.2 146.6 219.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#18

Hexachloroethane

Concen: 42.246 ng

RT: 9.322 min Scan# 1061

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

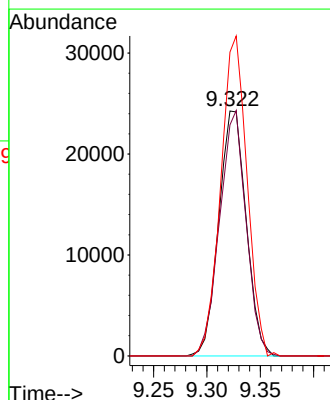
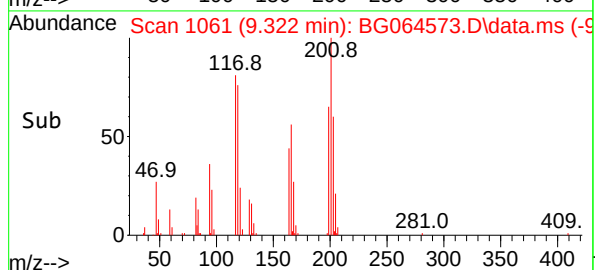
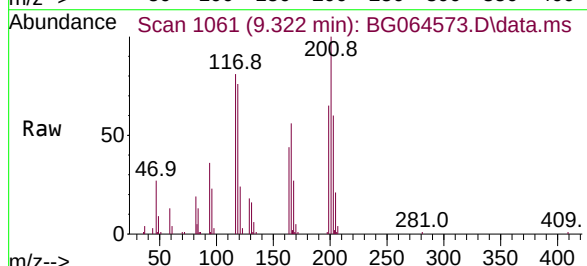
Tgt Ion:117 Resp: 43488

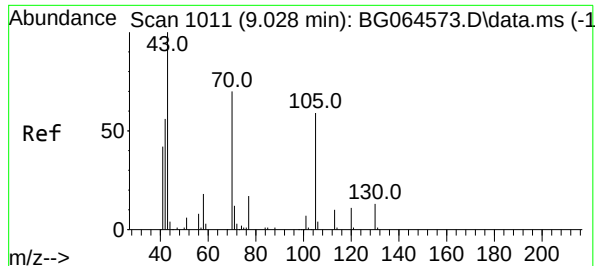
Ion Ratio Lower Upper

117 100

119 94.3 75.4 113.2

201 124.0 99.2 148.8





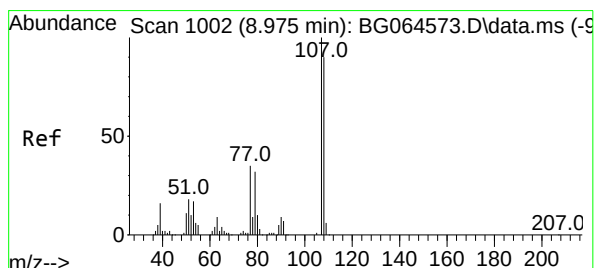
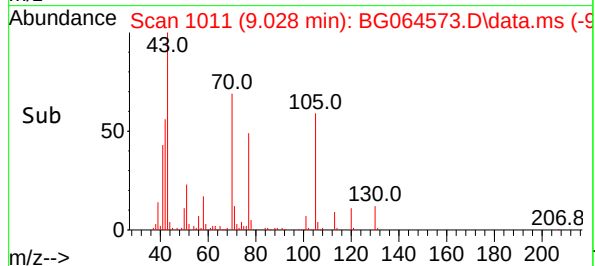
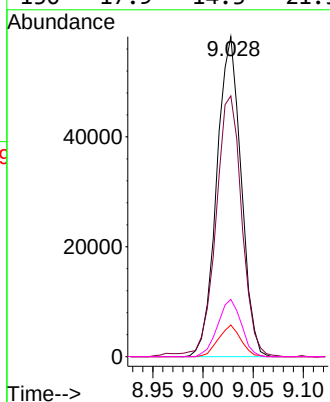
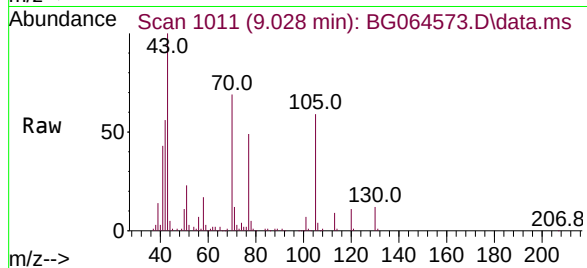
#19
n-Nitroso-di-n-propylamine
Concen: 43.438 ng
RT: 9.028 min Scan# 1011
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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

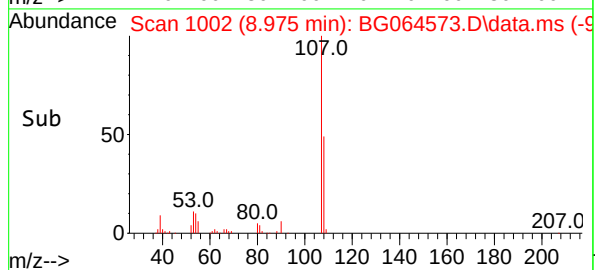
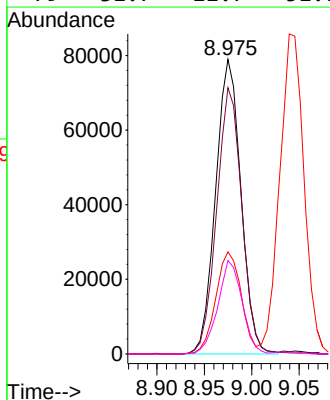
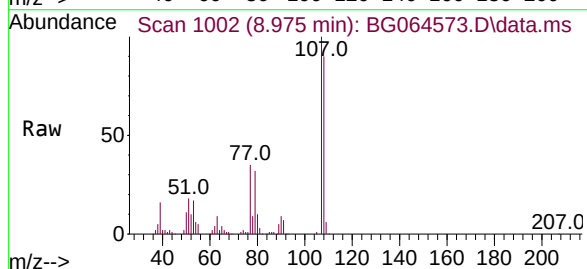
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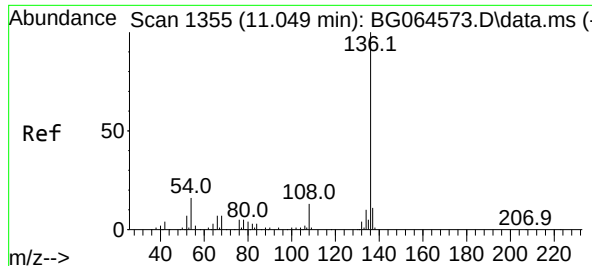
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#20
3+4-Methylphenols
Concen: 43.080 ng
RT: 8.975 min Scan# 1002
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

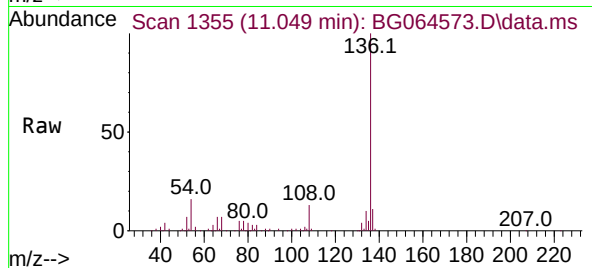
Tgt Ion:107 Resp: 146177
Ion Ratio Lower Upper
107 100
108 90.3 70.3 110.3
77 34.6 14.6 54.6
79 31.7 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1355
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

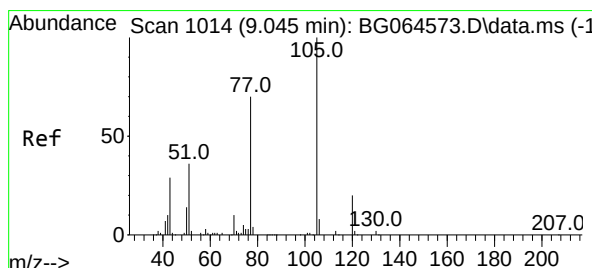
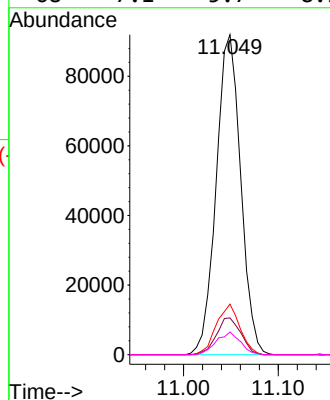
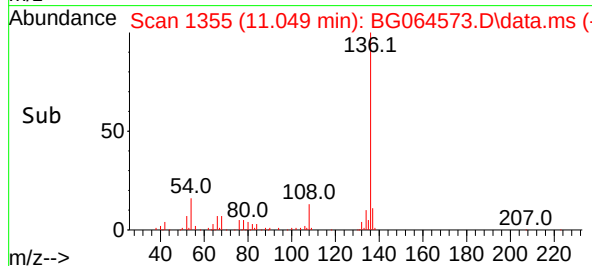
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:136 Resp: 164795
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

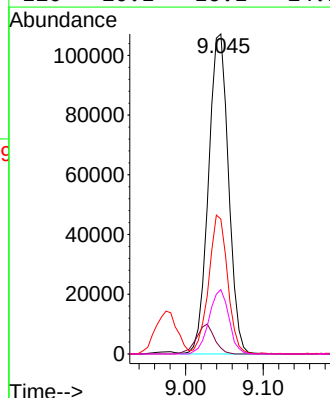
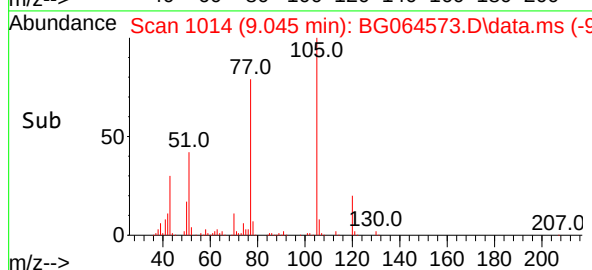
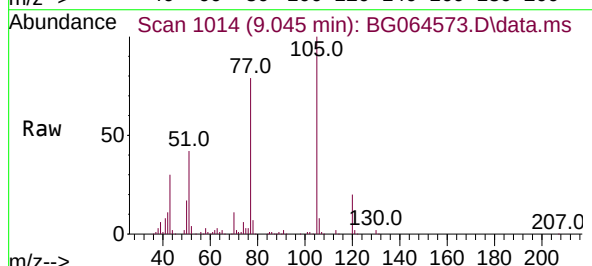
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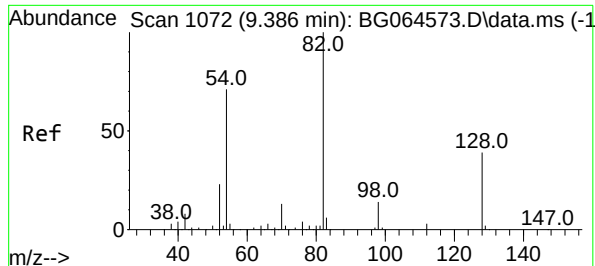
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#22
Acetophenone
Concen: 42.750 ng
RT: 9.045 min Scan# 1014
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:105 Resp: 192583
Ion Ratio Lower Upper
105 100
71 1.9 1.5 2.3
51 42.1 33.7 50.5
120 20.1 16.1 24.1





#23

Nitrobenzene-d5

Concen: 90.513 ng

RT: 9.386 min Scan# 1072

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 24834

Ion Ratio Lower Upper

82 100

128 39.1 31.3 46.9

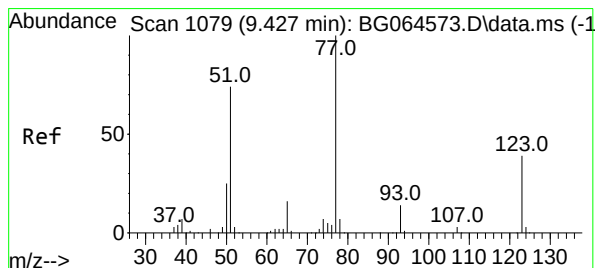
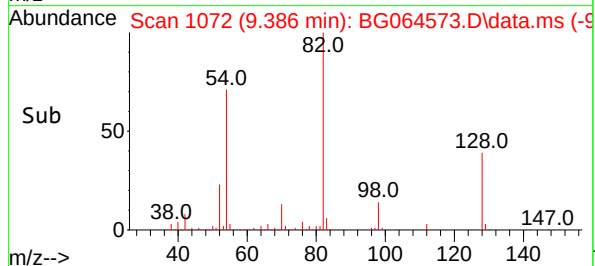
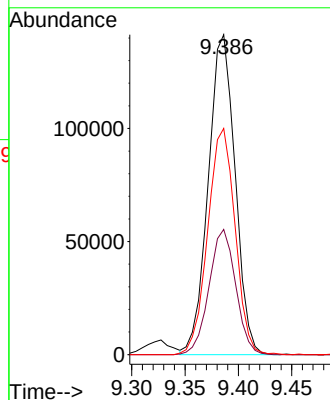
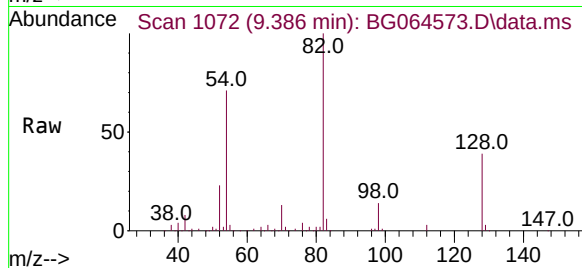
54 70.7 56.6 84.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#24

Nitrobenzene

Concen: 45.274 ng

RT: 9.427 min Scan# 1079

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

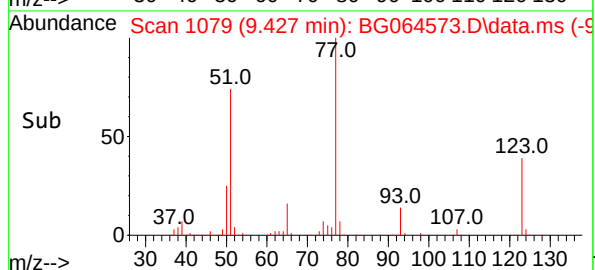
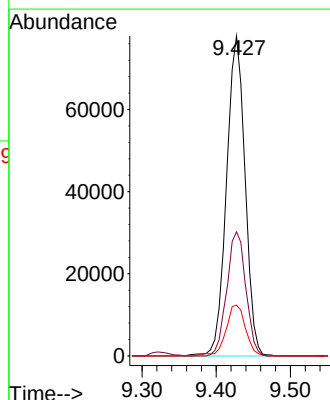
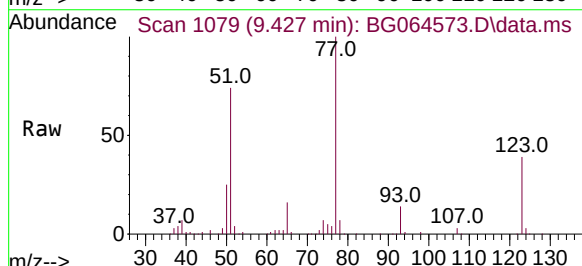
Tgt Ion: 77 Resp: 135107

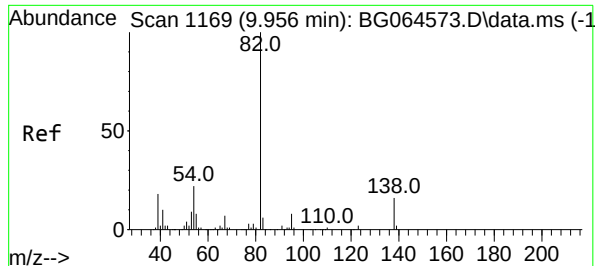
Ion Ratio Lower Upper

77 100

123 38.8 31.0 46.6

65 15.9 12.7 19.1





#25

Isophorone

Concen: 43.507 ng

RT: 9.956 min Scan# 1169

Delta R.T. -0.010 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion: 82 Resp: 286439

Ion Ratio Lower Upper

82 100

95 7.6 6.1 9.1

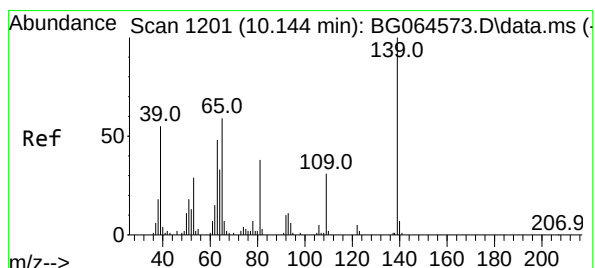
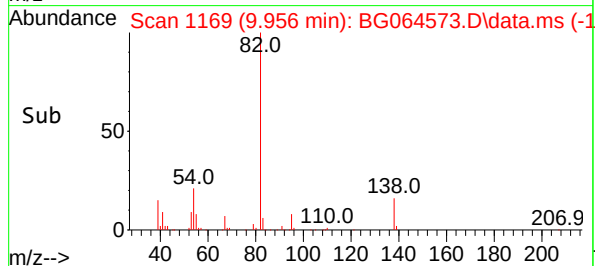
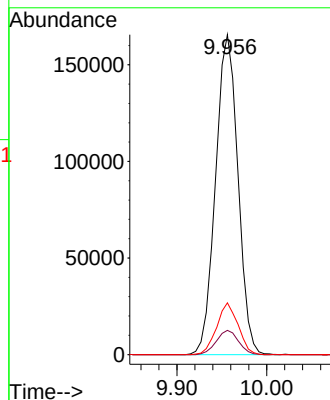
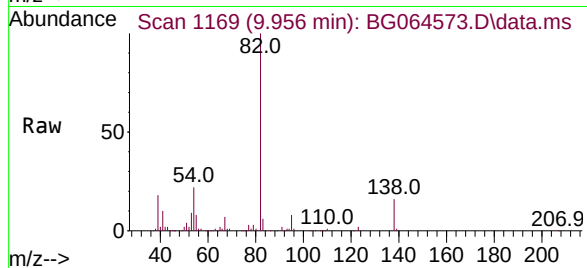
138 16.2 13.0 19.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#26

2-Nitrophenol

Concen: 39.772 ng

RT: 10.144 min Scan# 1201

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

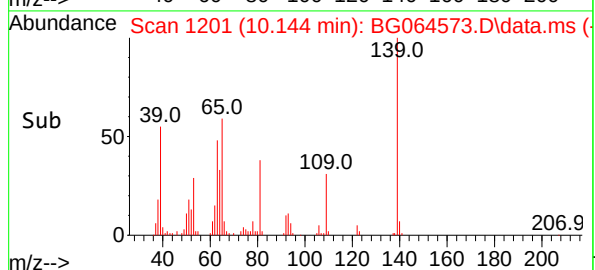
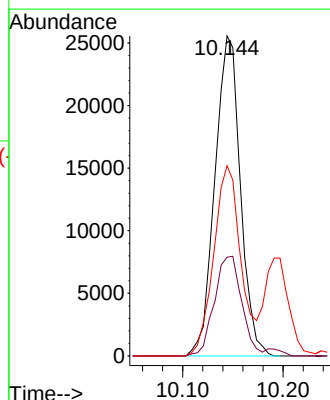
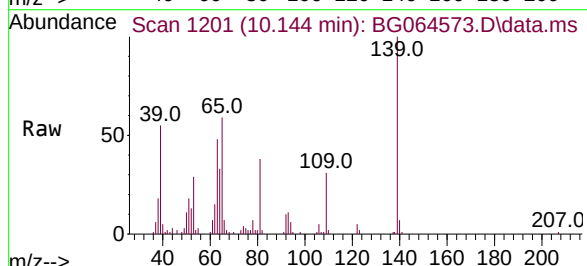
Tgt Ion:139 Resp: 45134

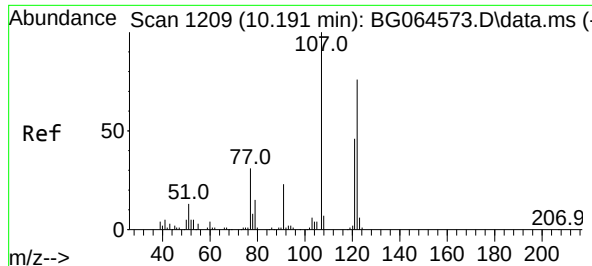
Ion Ratio Lower Upper

139 100

109 30.8 24.6 37.0

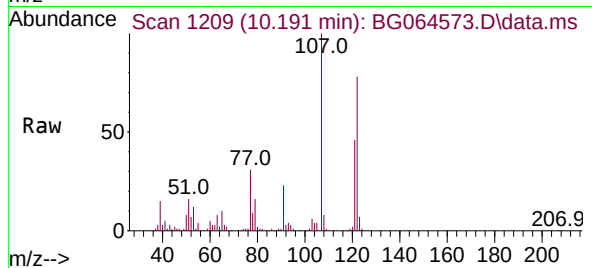
65 59.4 47.5 71.3





#27
2,4-Dimethylphenol
Concen: 44.243 ng
RT: 10.191 min Scan# 1209
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

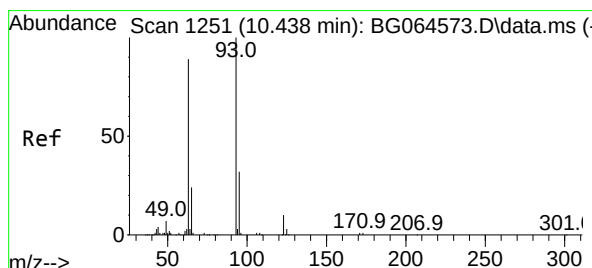
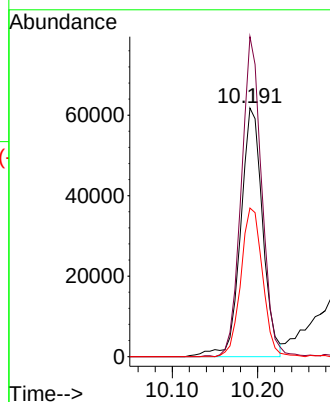
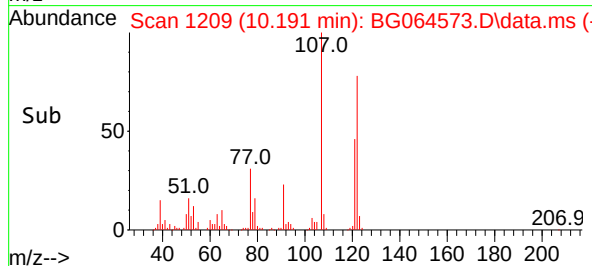
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:122 Resp: 110518
Ion Ratio Lower Upper
122 100
107 128.7 103.0 154.4
121 59.8 47.8 71.8

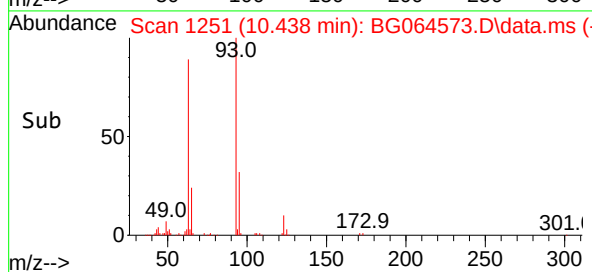
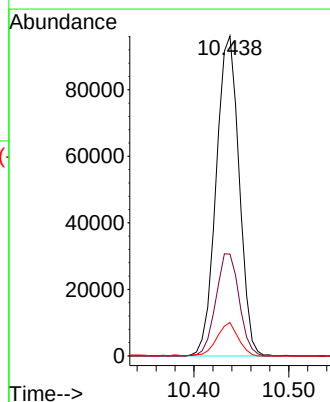
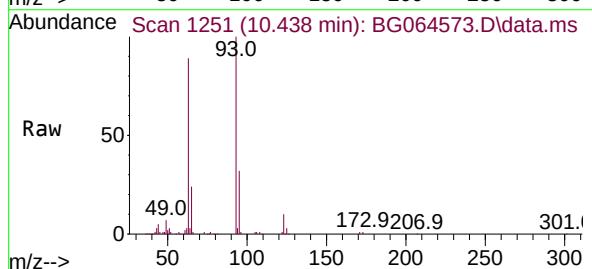
Manual Integrations
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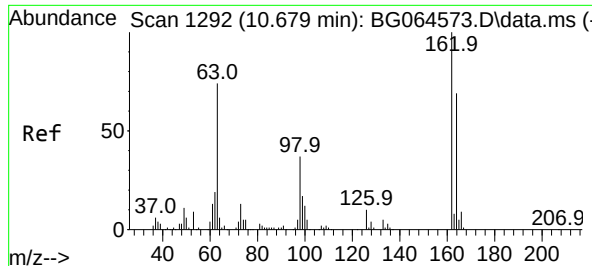
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#28
bis(2-Chloroethoxy)methane
Concen: 43.070 ng
RT: 10.438 min Scan# 1251
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 93 Resp: 161449
Ion Ratio Lower Upper
93 100
95 31.8 25.4 38.2
123 10.5 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 45.026 ng

RT: 10.679 min Scan# 1292

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:162 Resp: 118669

Ion Ratio Lower Upper

162 100

164 68.7 48.7 88.7

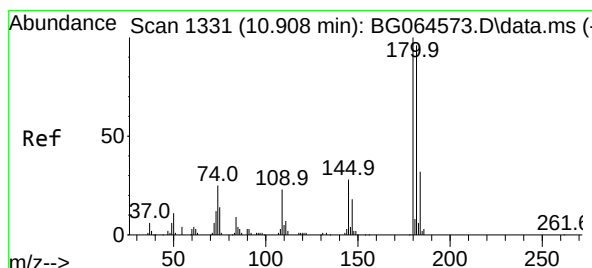
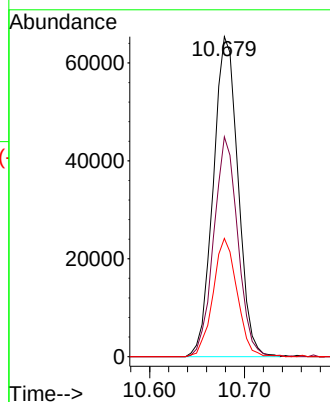
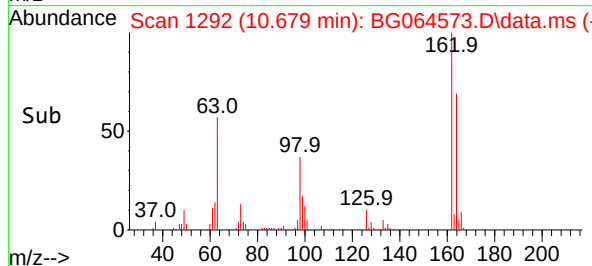
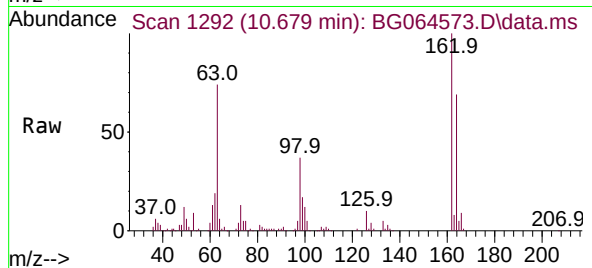
98 36.9 16.9 56.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#30

1,2,4-Trichlorobenzene

Concen: 43.046 ng

RT: 10.908 min Scan# 1331

Delta R.T. 0.002 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

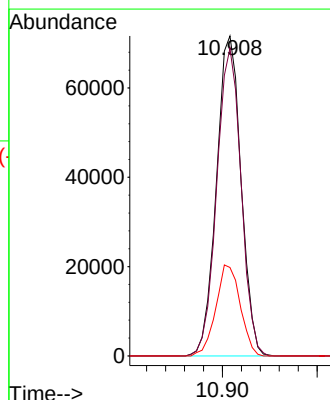
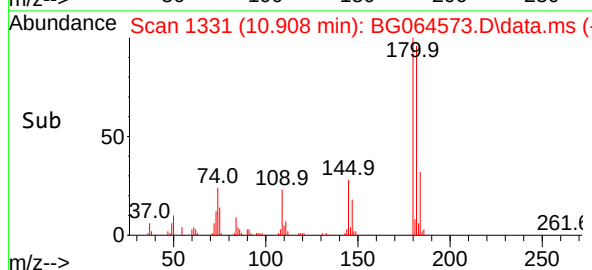
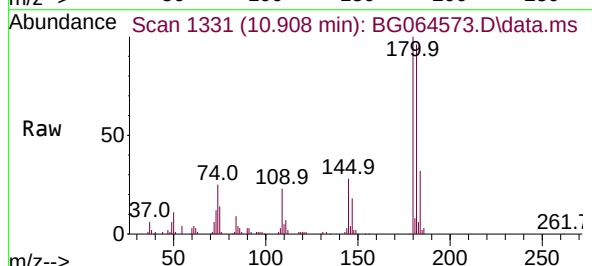
Tgt Ion:180 Resp: 128902

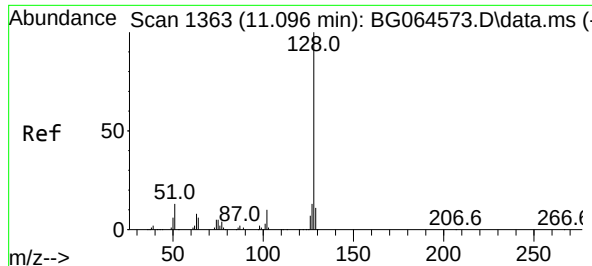
Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

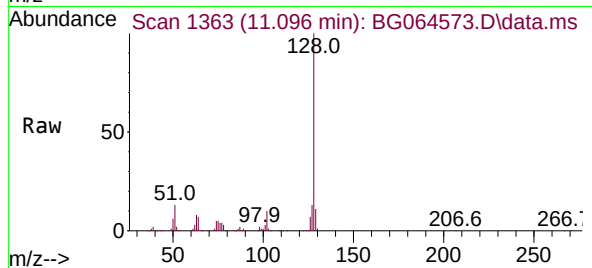
145 27.6 22.1 33.1





#31
Naphthalene
Concen: 42.469 ng
RT: 11.096 min Scan# 1363
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

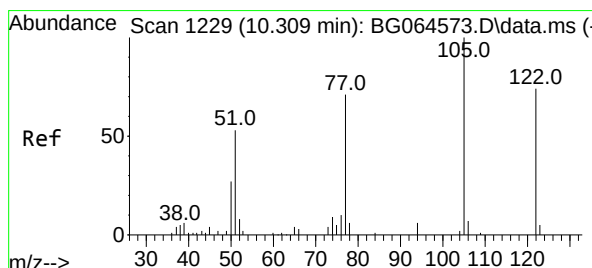
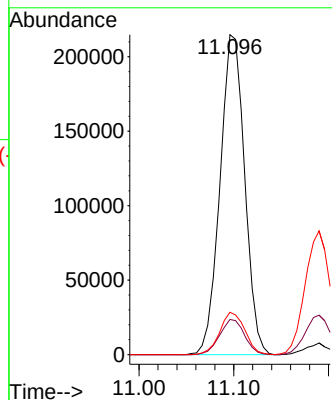
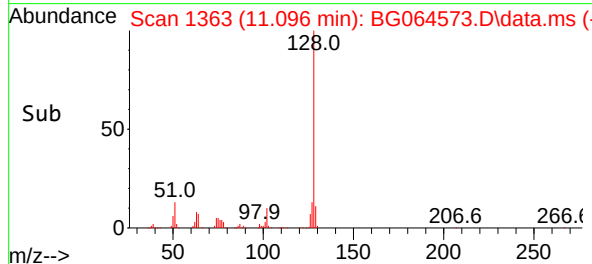
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:128 Resp: 388032
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.2 10.6 15.8

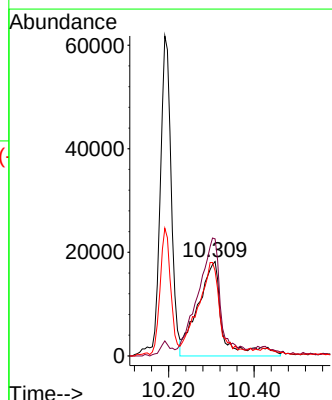
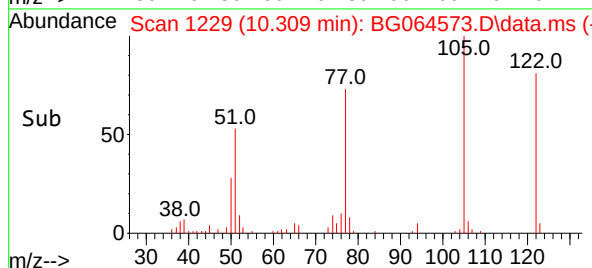
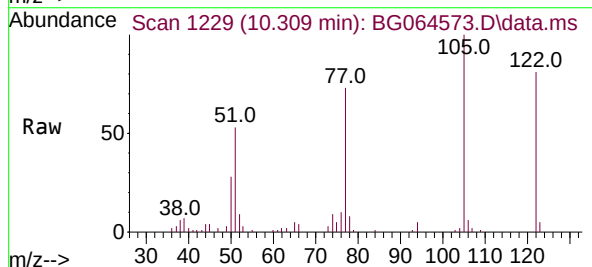
Manual Integrations
APPROVED

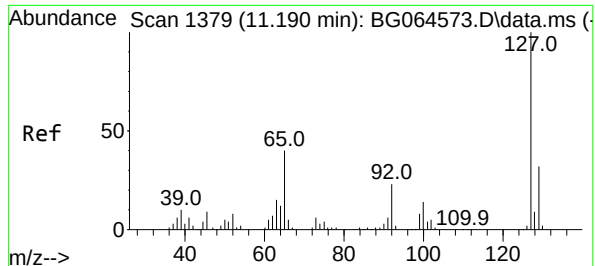
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#32
Benzoic acid
Concen: 41.457 ng m
RT: 10.309 min Scan# 1229
Delta R.T. -0.033 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

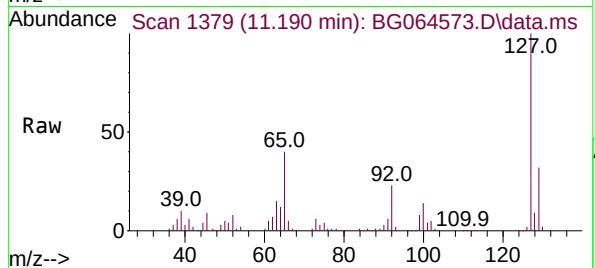
Tgt Ion:122 Resp: 72661
Ion Ratio Lower Upper
122 100
105 124.2 104.2 144.2
77 90.2 70.2 110.2





#33
4-Chloroaniline
Concen: 42.585 ng
RT: 11.190 min Scan# 1379
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

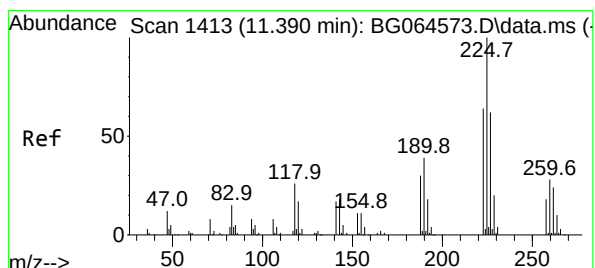
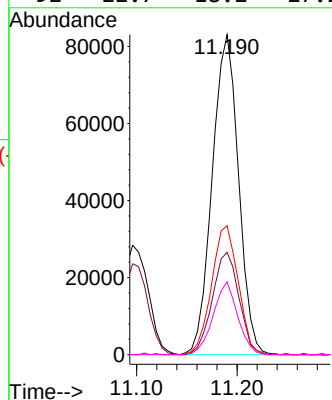
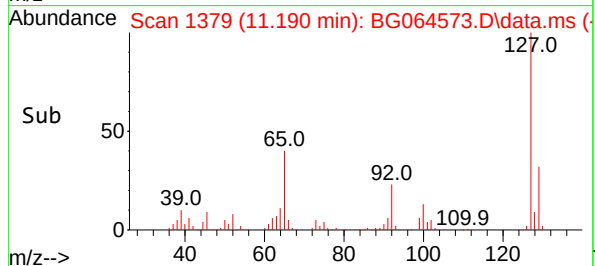
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:127 Resp: 151231
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

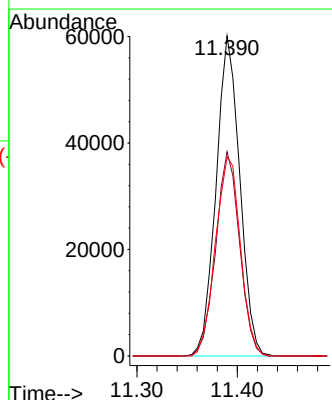
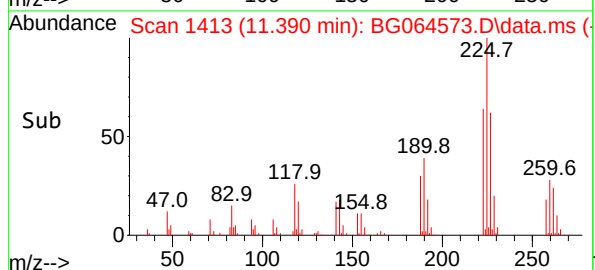
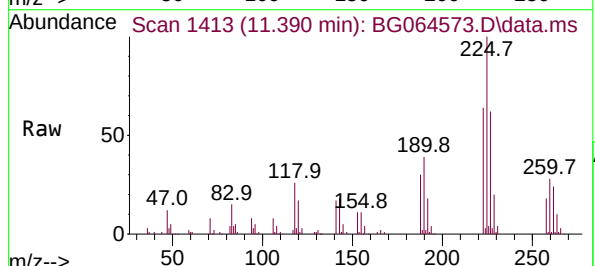
Manual Integrations
APPROVED

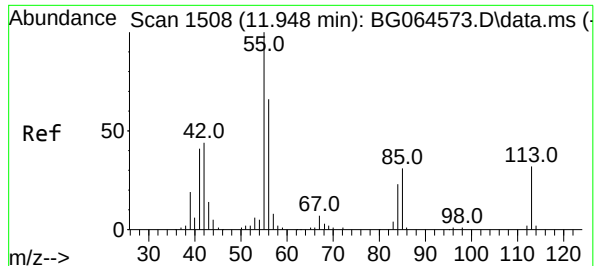
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#34
Hexachlorobutadiene
Concen: 42.139 ng
RT: 11.390 min Scan# 1413
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

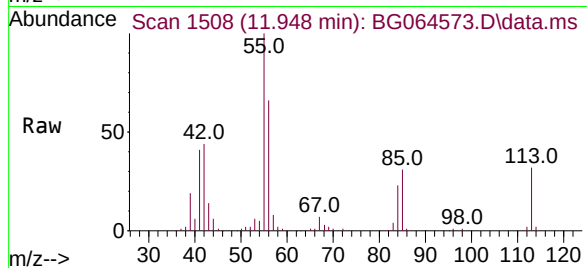
Tgt Ion:225 Resp: 98683
Ion Ratio Lower Upper
225 100
223 61.0 48.8 73.2
227 61.9 49.5 74.3





#35
Caprolactam
Concen: 43.731 ng
RT: 11.948 min Scan# 1508
Delta R.T. -0.027 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

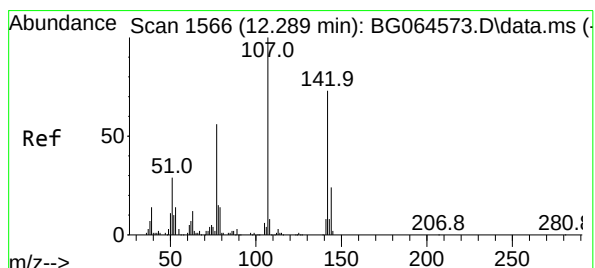
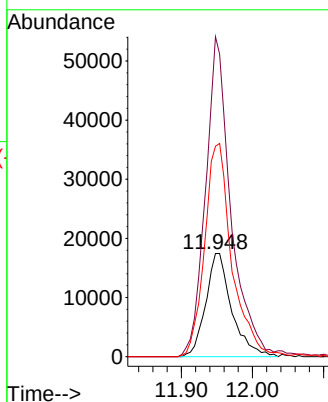
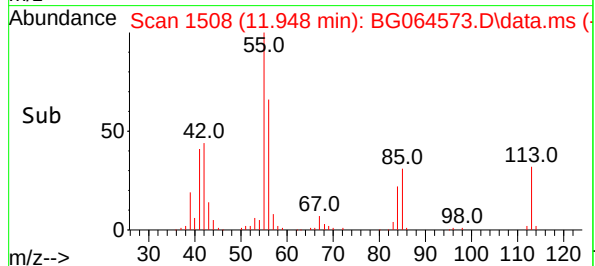
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:113 Resp: 44205
Ion Ratio Lower Upper
113 100
55 310.1 290.1 330.1
56 203.8 183.8 223.8

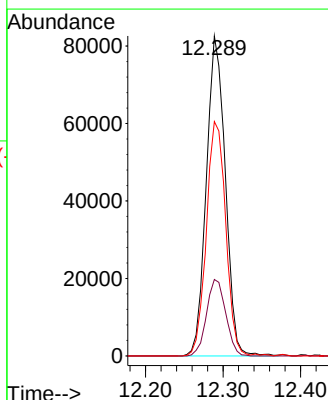
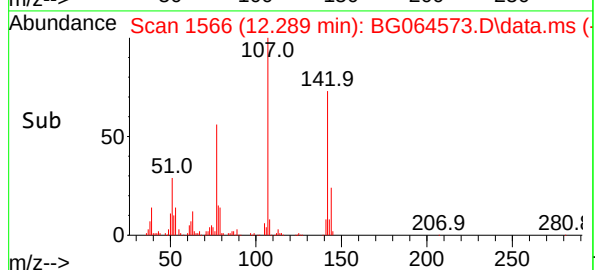
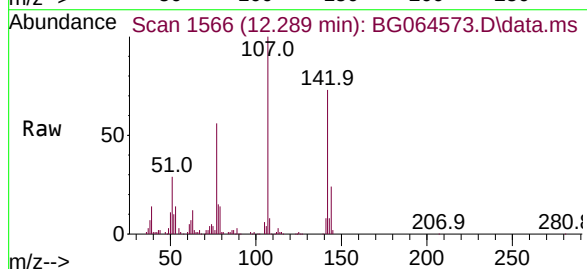
Manual Integrations
APPROVED

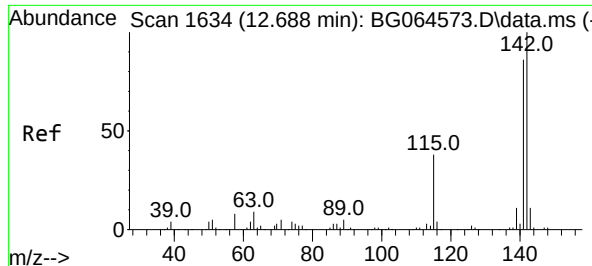
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#36
4-Chloro-3-methylphenol
Concen: 44.278 ng
RT: 12.289 min Scan# 1566
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

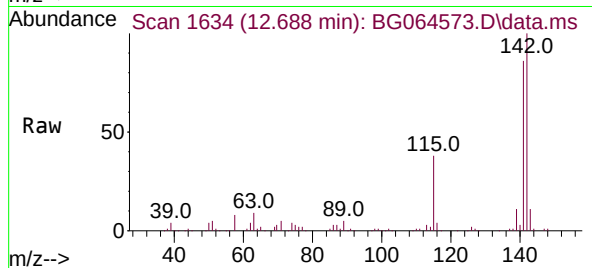
Tgt Ion:107 Resp: 140272
Ion Ratio Lower Upper
107 100
144 23.9 19.1 28.7
142 73.2 58.6 87.8





#37
2-Methylnaphthalene
Concen: 42.499 ng
RT: 12.688 min Scan# 1634
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

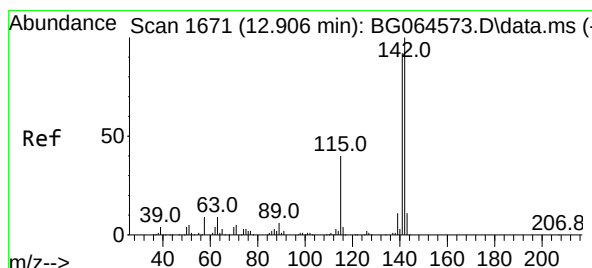
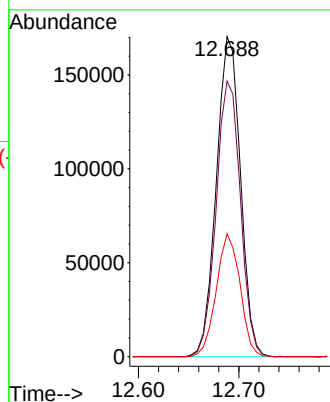
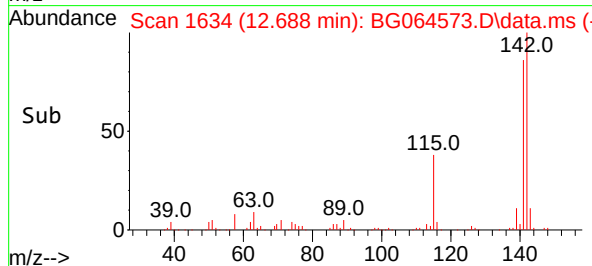
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



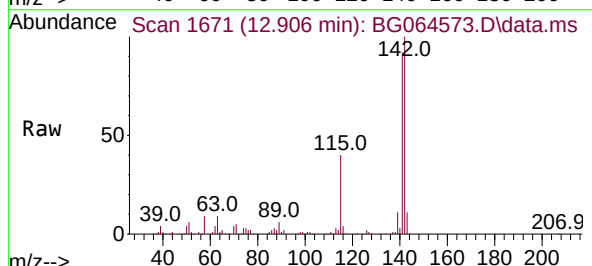
Tgt Ion:142 Resp: 285089
Ion Ratio Lower Upper
142 100
141 86.1 68.9 103.3
115 38.3 30.6 46.0

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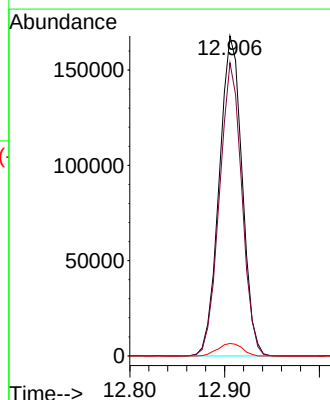
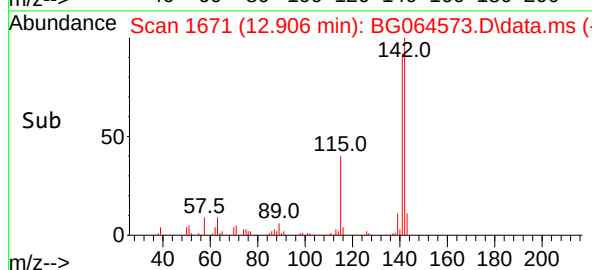
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

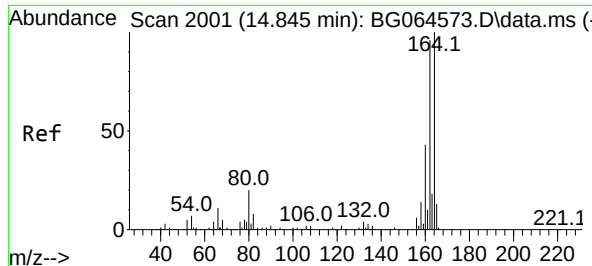


#38
1-Methylnaphthalene
Concen: 42.611 ng
RT: 12.906 min Scan# 1671
Delta R.T. -0.003 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03



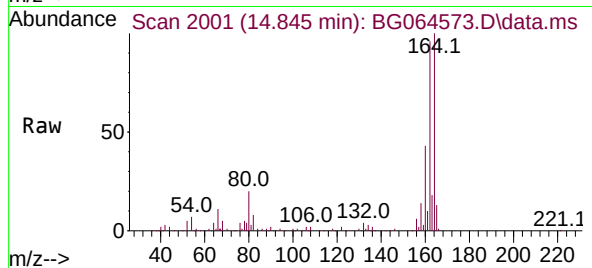
Tgt Ion:142 Resp: 281256
Ion Ratio Lower Upper
142 100
141 91.6 73.3 109.9
116 3.9 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 2001
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

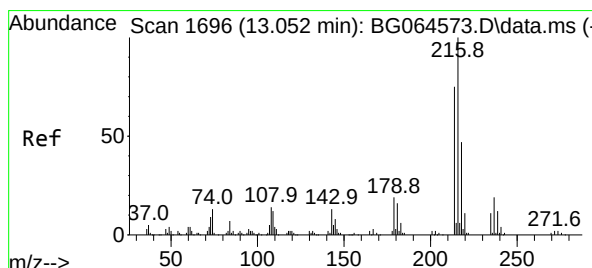
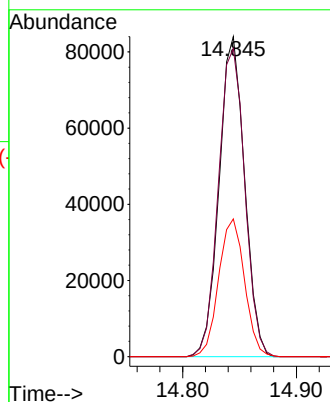
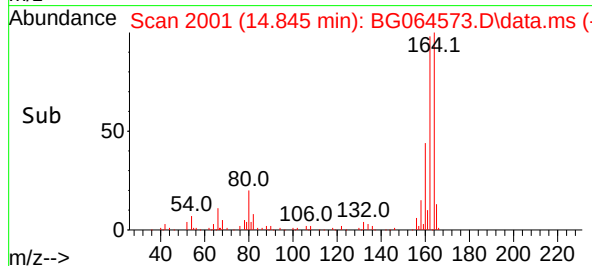
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



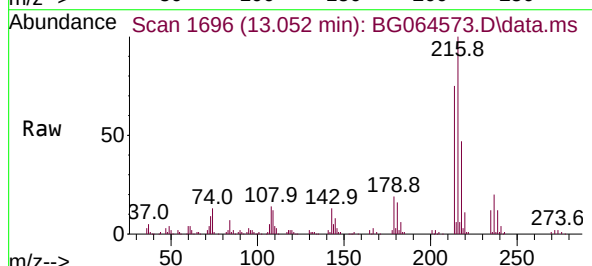
Tgt Ion:164 Resp: 130542
Ion Ratio Lower Upper
164 100
162 96.3 77.0 115.6
160 43.0 34.4 51.6

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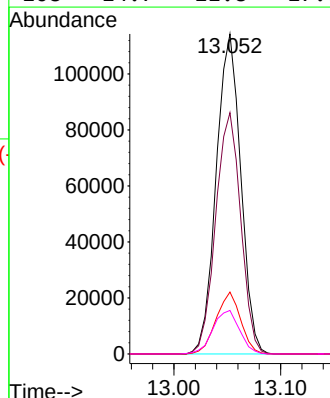
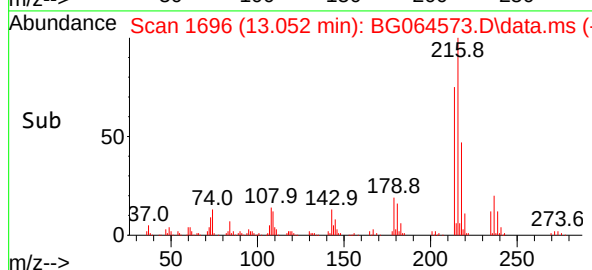
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

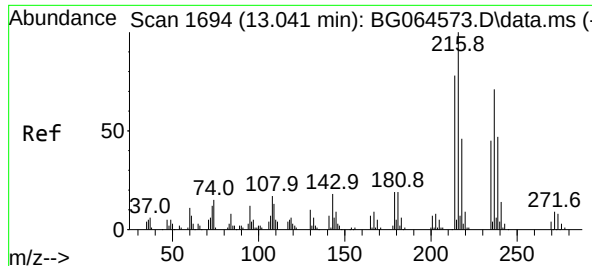


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.856 ng
RT: 13.052 min Scan# 1696
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03



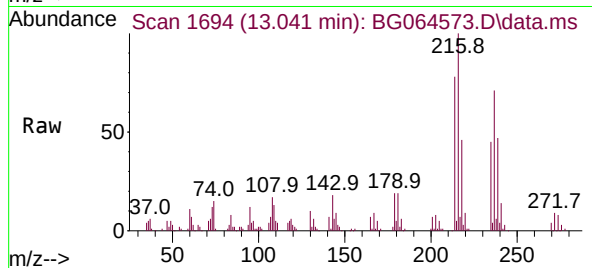
Tgt Ion:216 Resp: 183376
Ion Ratio Lower Upper
216 100
214 76.8 61.4 92.2
179 19.2 15.4 23.0
108 14.7 11.8 17.6





#41
Hexachlorocyclopentadiene
Concen: 42.853 ng
RT: 13.041 min Scan# 1694
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

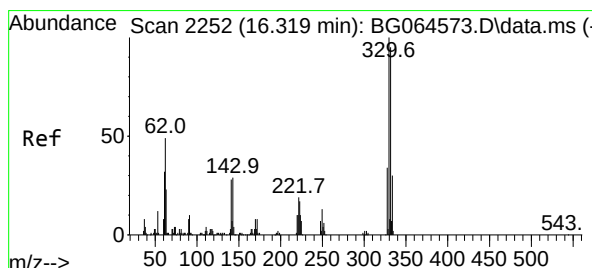
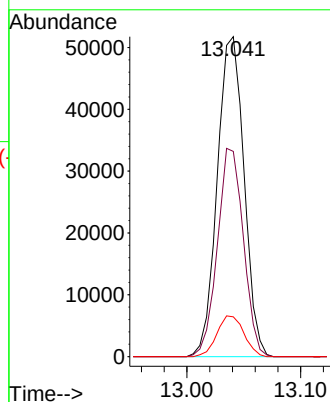
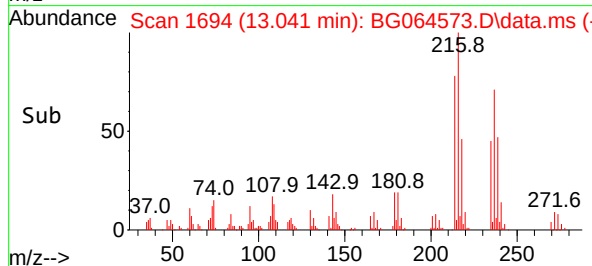
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



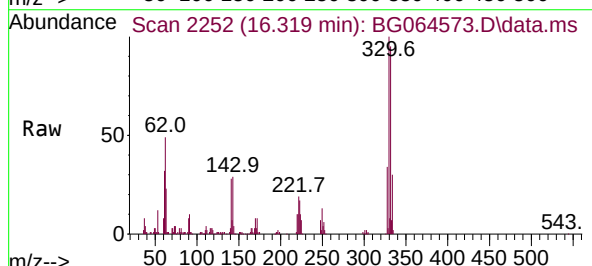
Tgt Ion:237 Resp: 84505
Ion Ratio Lower Upper
237 100
235 64.1 44.1 84.1
272 12.4 0.0 32.4

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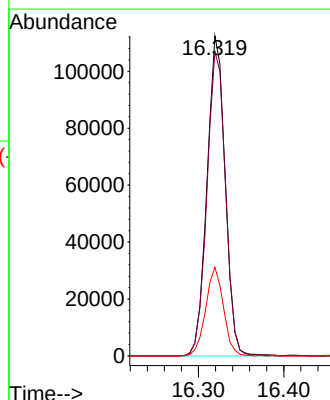
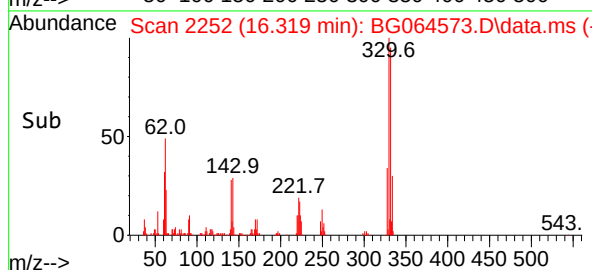
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

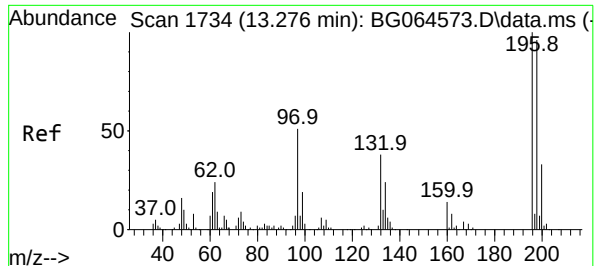


#42
2,4,6-Tribromophenol
Concen: 88.092 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03



Tgt Ion:330 Resp: 165976
Ion Ratio Lower Upper
330 100
332 97.5 78.0 117.0
141 27.2 21.8 32.6





#43

2,4,6-Trichlorophenol

Concen: 44.097 ng

RT: 13.276 min Scan# 1734

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:196 Resp: 110509

Ion Ratio Lower Upper

196 100

198 95.8 76.6 115.0

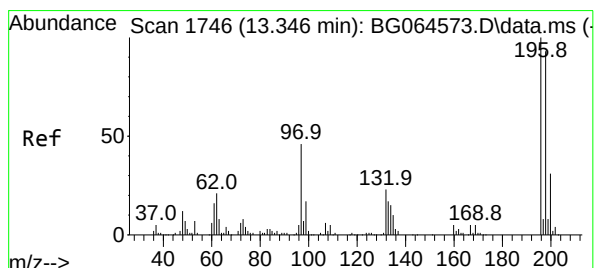
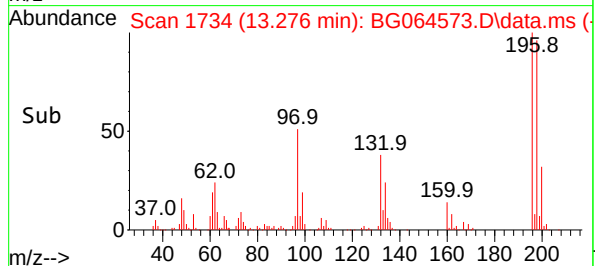
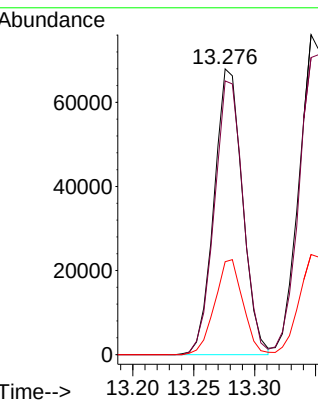
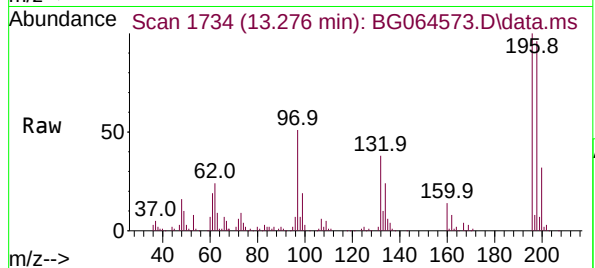
200 32.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#44

2,4,5-Trichlorophenol

Concen: 43.694 ng

RT: 13.346 min Scan# 1746

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Tgt Ion:196 Resp: 126360

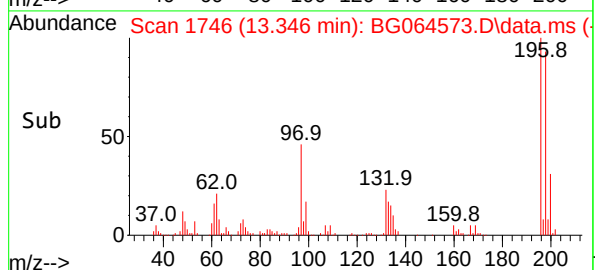
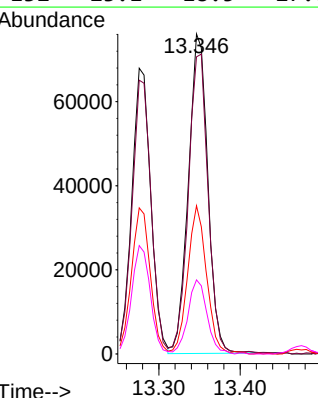
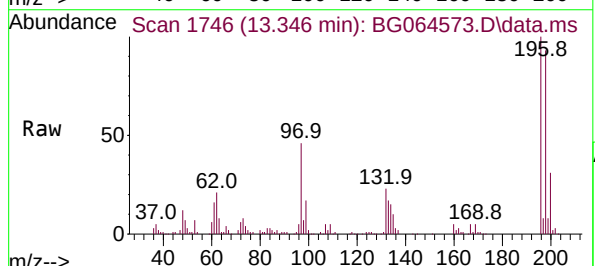
Ion Ratio Lower Upper

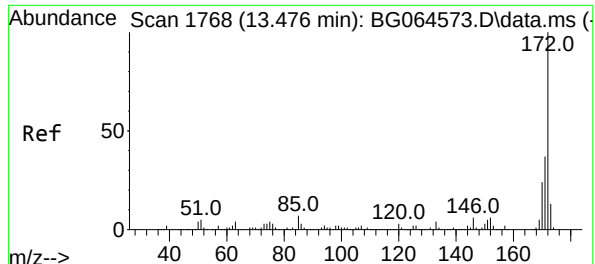
196 100

198 92.8 74.2 111.4

97 46.3 37.0 55.6

132 23.1 18.5 27.7





#45

2-Fluorobiphenyl

Concen: 83.888 ng

RT: 13.476 min Scan# 1768

Delta R.T. -0.003 min

Lab File: BG064573.D

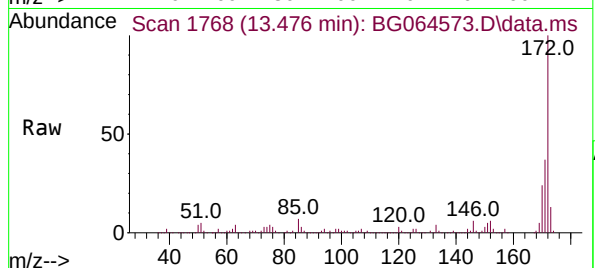
Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040



Tgt Ion:172 Resp: 722472

Ion Ratio Lower Upper

172 100

171 36.7 29.4 44.0

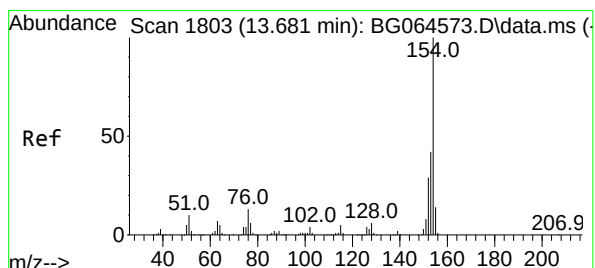
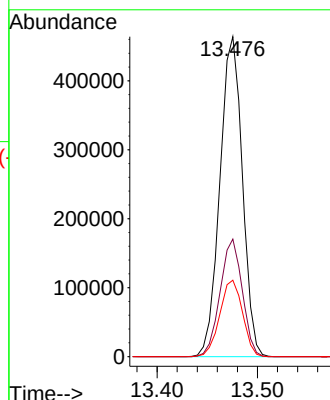
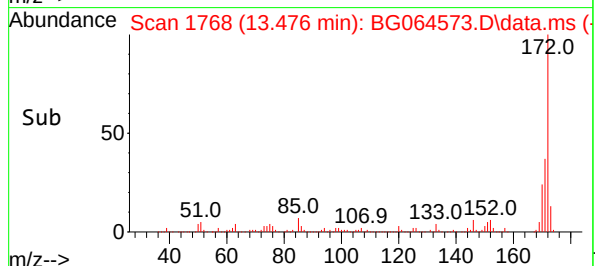
170 23.9 19.1 28.7

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#46

1,1'-Biphenyl

Concen: 41.885 ng

RT: 13.681 min Scan# 1803

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

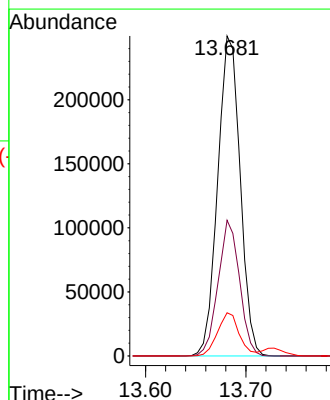
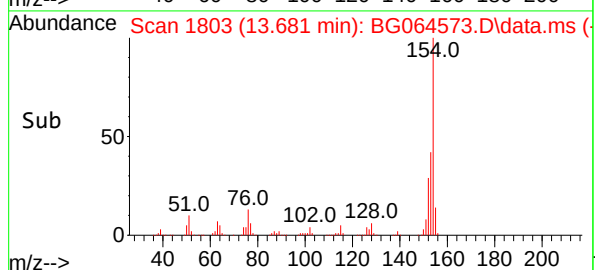
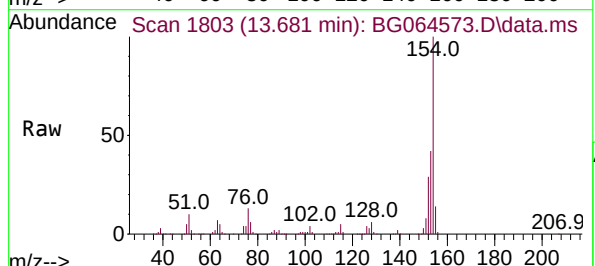
Tgt Ion:154 Resp: 388718

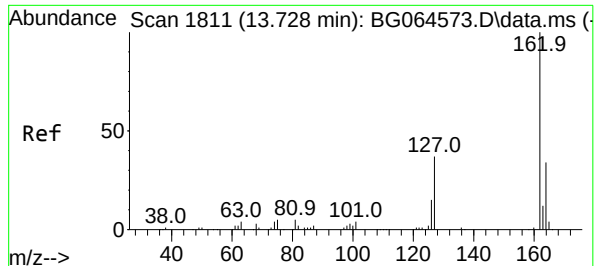
Ion Ratio Lower Upper

154 100

153 42.4 22.4 62.4

76 13.5 0.0 33.5





#47

2-Chloronaphthalene

Concen: 42.182 ng

RT: 13.728 min Scan# 1811

Delta R.T. -0.004 min

Lab File: BG064573.D

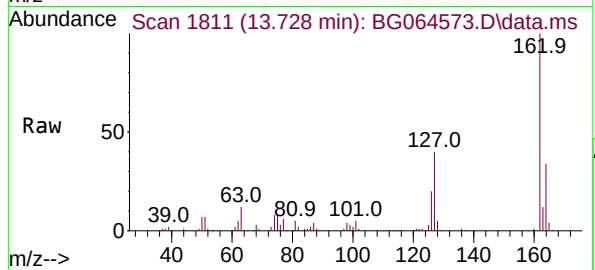
Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040



Tgt Ion:162 Resp: 295501

Ion Ratio Lower Upper

162 100

127 40.2 32.2 48.2

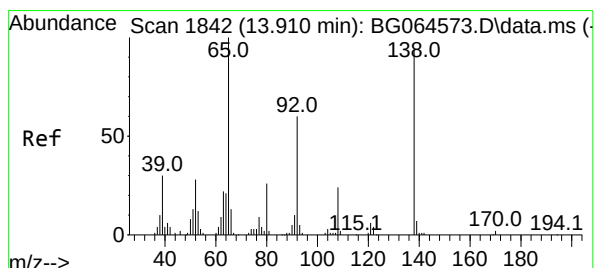
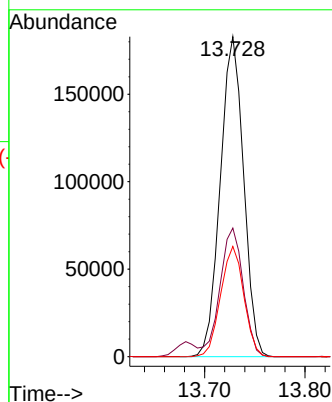
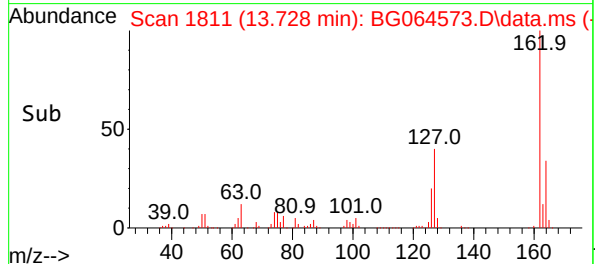
164 34.4 27.5 41.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#48

2-Nitroaniline

Concen: 39.303 ng

RT: 13.910 min Scan# 1842

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

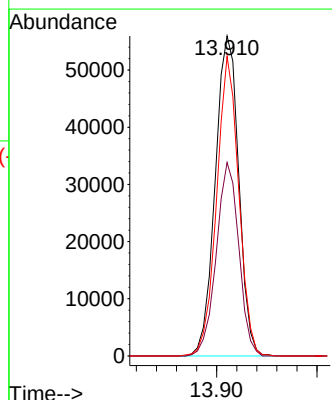
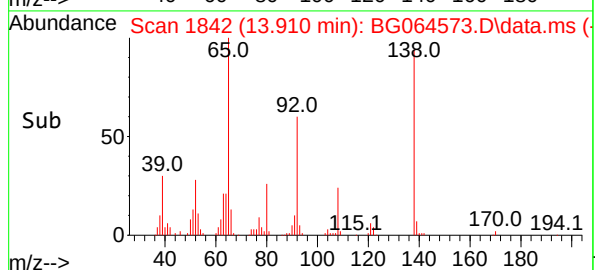
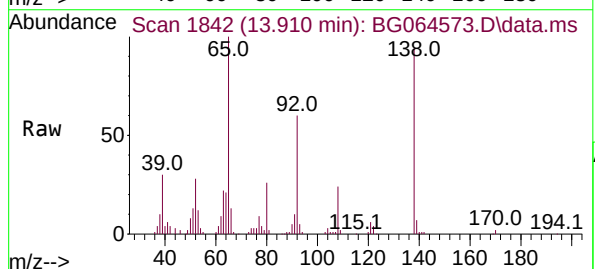
Tgt Ion: 65 Resp: 90958

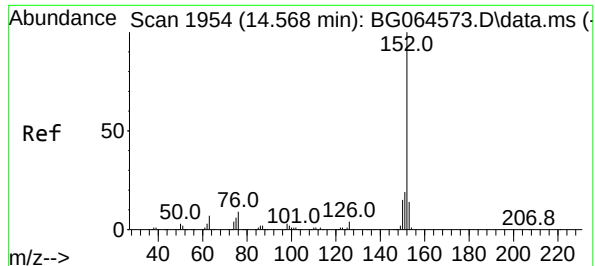
Ion Ratio Lower Upper

65 100

92 60.4 48.3 72.5

138 93.6 74.9 112.3





#49

Acenaphthylene

Concen: 42.209 ng

RT: 14.568 min Scan# 1954

Delta R.T. 0.002 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:152 Resp: 466393

Ion Ratio Lower Upper

152 100

151 19.3 15.4 23.2

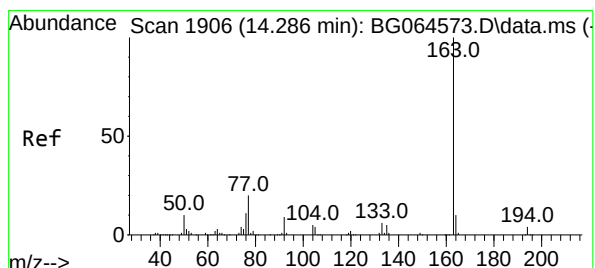
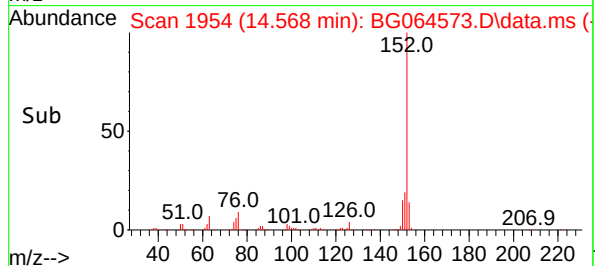
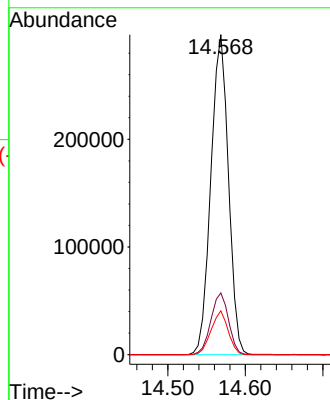
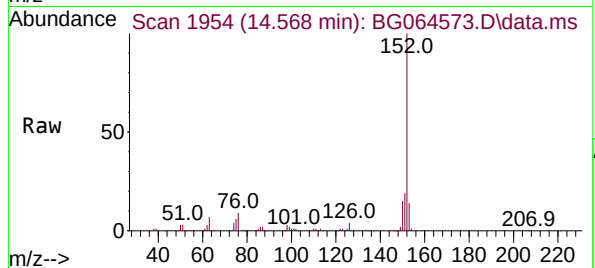
153 13.7 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#50

Dimethylphthalate

Concen: 42.894 ng

RT: 14.286 min Scan# 1906

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

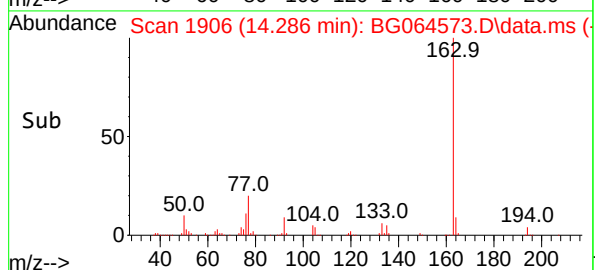
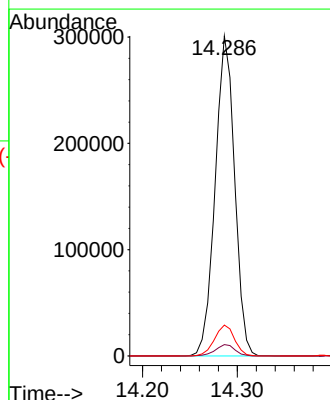
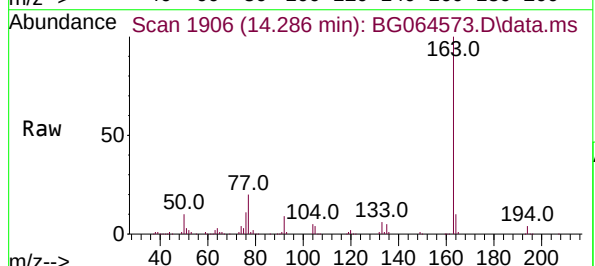
Tgt Ion:163 Resp: 428475

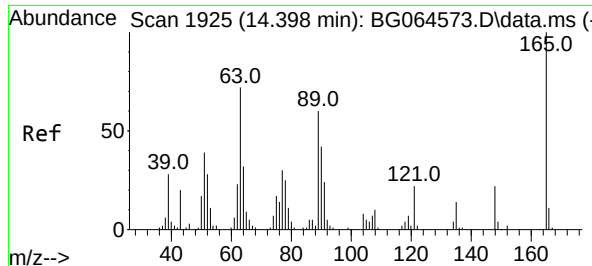
Ion Ratio Lower Upper

163 100

194 3.5 2.8 4.2

164 9.6 7.7 11.5





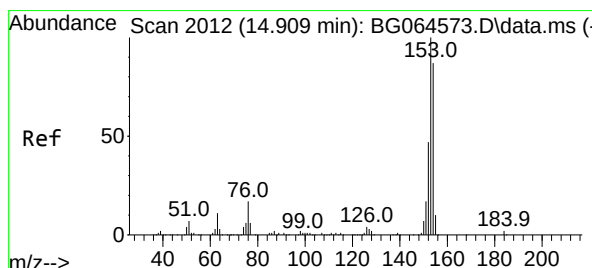
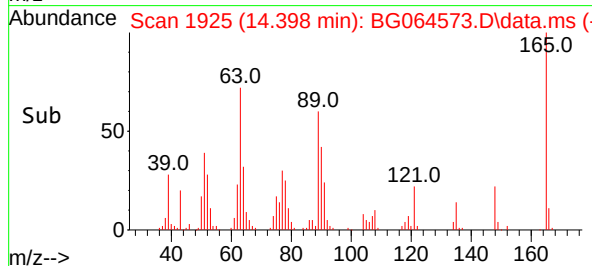
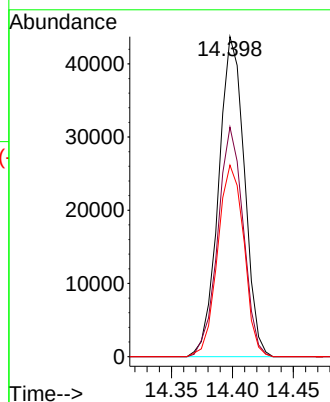
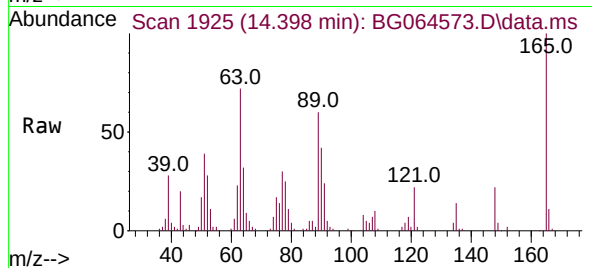
#51
2,6-Dinitrotoluene
Concen: 39.696 ng
RT: 14.398 min Scan# 1925
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 64452
Ion Ratio Lower Upper
165 100
63 71.7 57.4 86.0
89 59.8 47.8 71.8

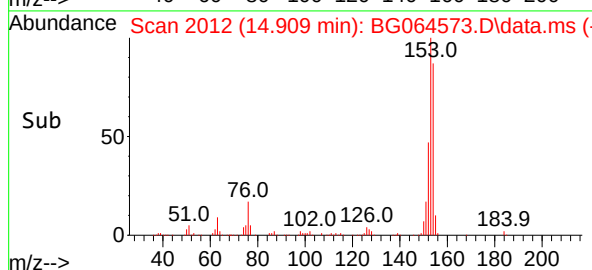
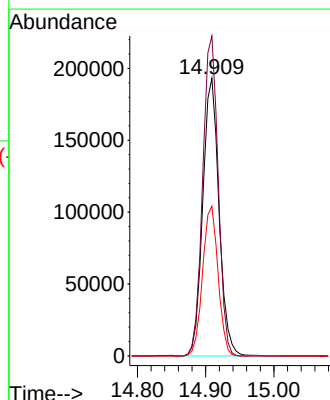
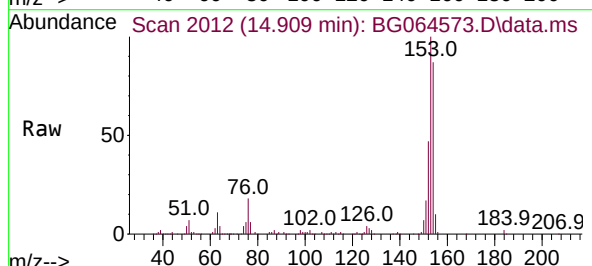
Manual Integrations
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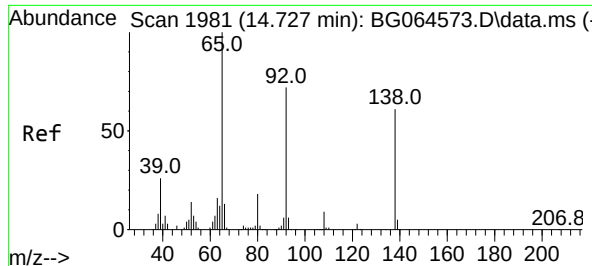
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#52
Acenaphthene
Concen: 42.289 ng
RT: 14.909 min Scan# 2012
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:154 Resp: 319250
Ion Ratio Lower Upper
154 100
153 115.3 92.2 138.4
152 54.0 43.2 64.8





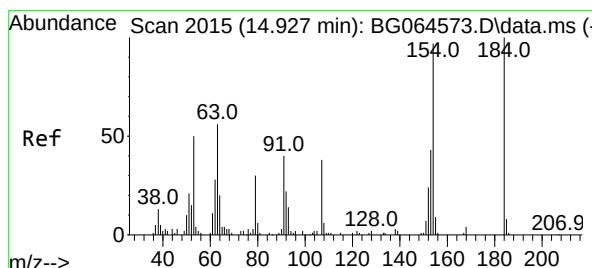
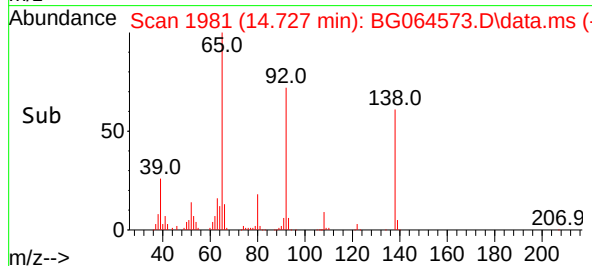
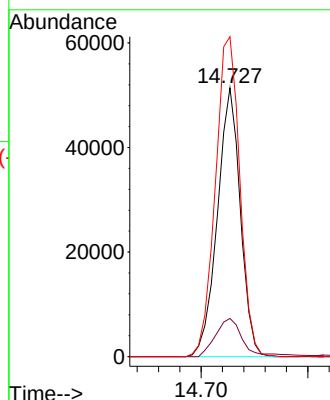
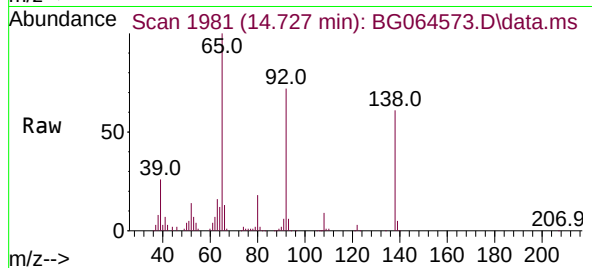
#53
3-Nitroaniline
Concen: 44.762 ng
RT: 14.727 min Scan# 1981
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

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

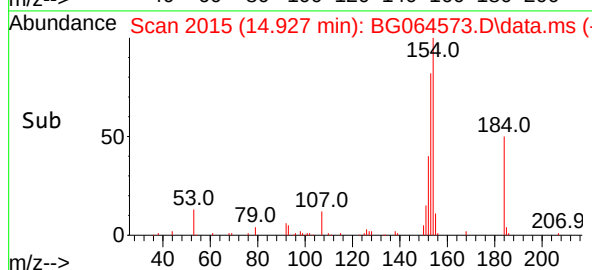
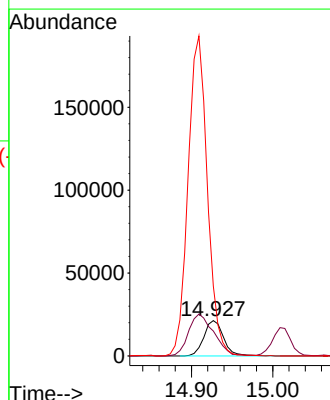
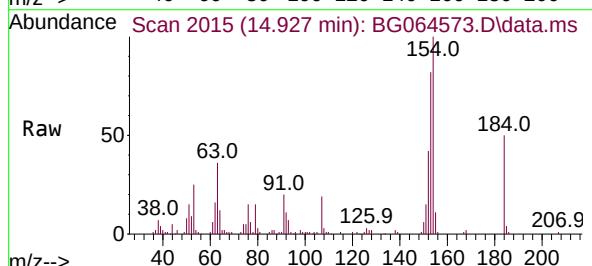
Manual Integrations
APPROVED

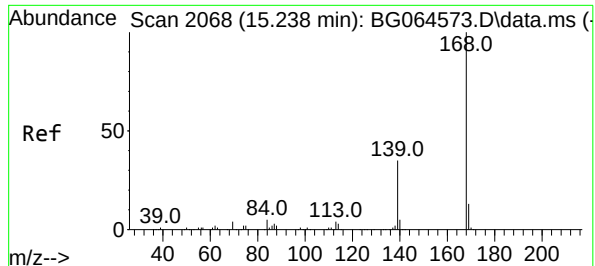
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#54
2,4-Dinitrophenol
Concen: 38.390 ng
RT: 14.927 min Scan# 2015
Delta R.T. -0.003 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:184 Resp: 35677
Ion Ratio Lower Upper
184 100
63 70.8 56.6 85.0
154 198.3 158.6 238.0





#55

Dibenzenofuran

Concen: 41.995 ng

RT: 15.238 min Scan# 2068

Delta R.T. -0.004 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:168 Resp: 51254

Ion Ratio Lower Upper

168 100

139 34.8 27.8 41.8

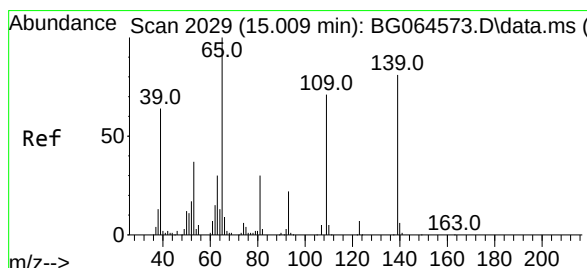
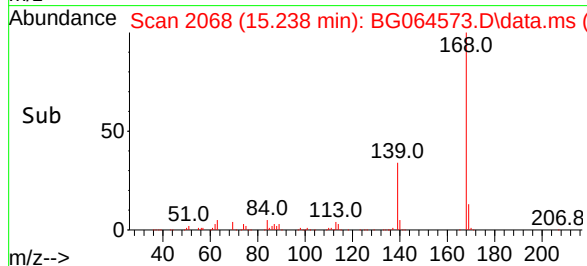
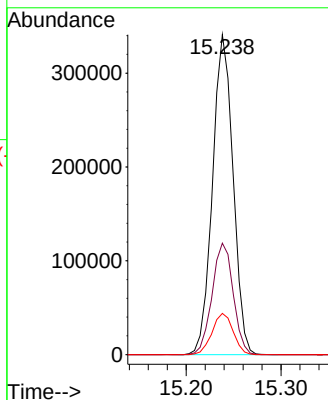
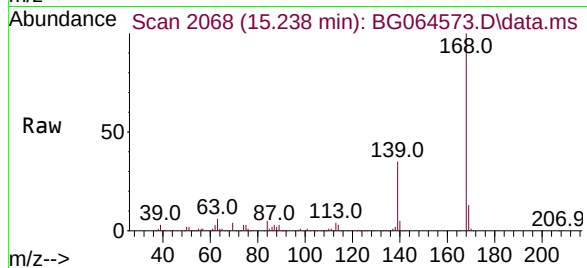
169 12.9 10.3 15.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#56

4-Nitrophenol

Concen: 42.765 ng

RT: 15.009 min Scan# 2029

Delta R.T. -0.009 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

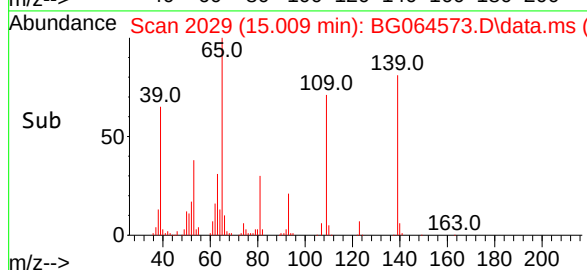
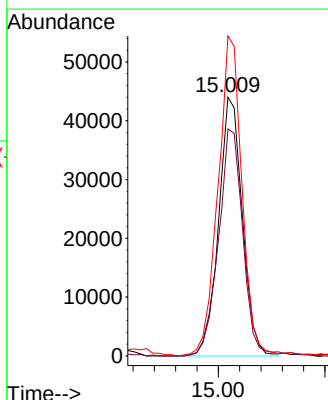
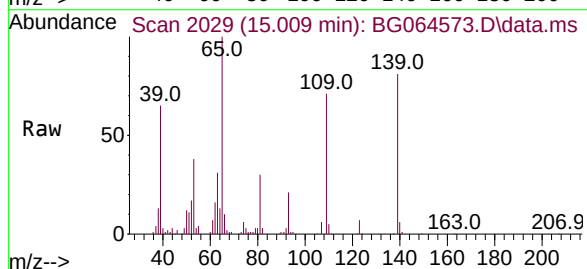
Tgt Ion:139 Resp: 68064

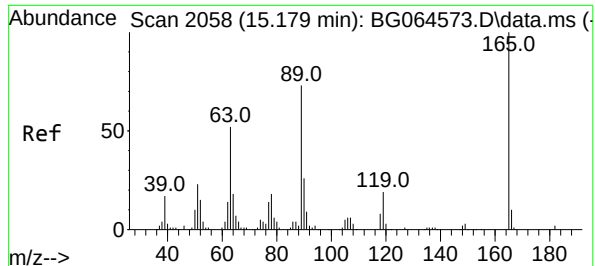
Ion Ratio Lower Upper

139 100

109 87.8 67.8 107.8

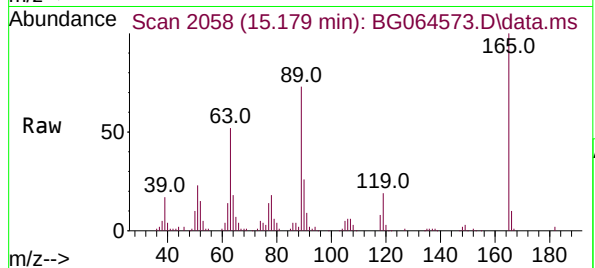
65 123.7 103.7 143.7





#57
2,4-Dinitrotoluene
Concen: 39.962 ng
RT: 15.179 min Scan# 2058
Delta R.T. -0.010 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

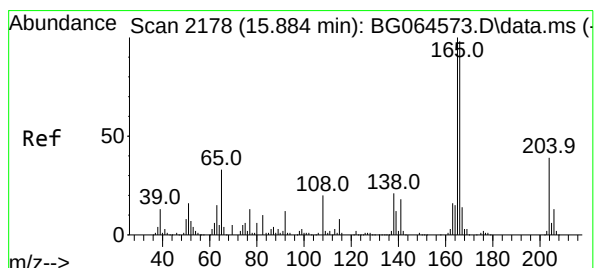
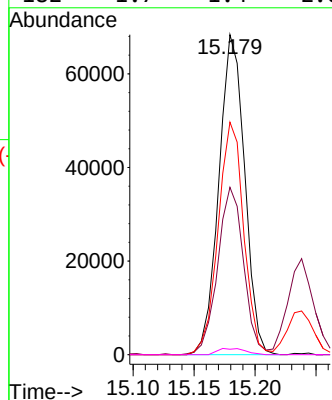
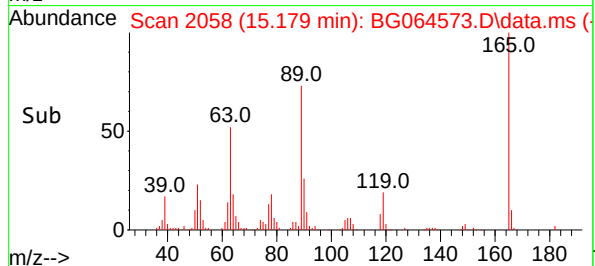
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:165 Resp: 100448
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

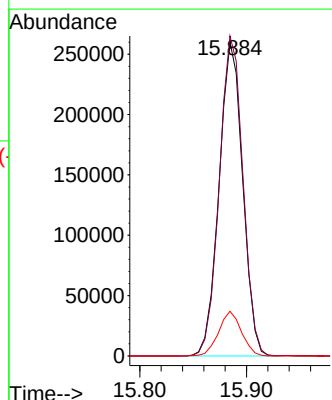
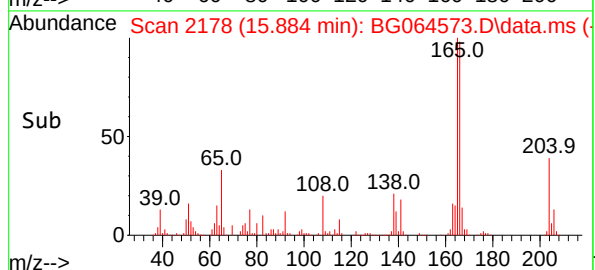
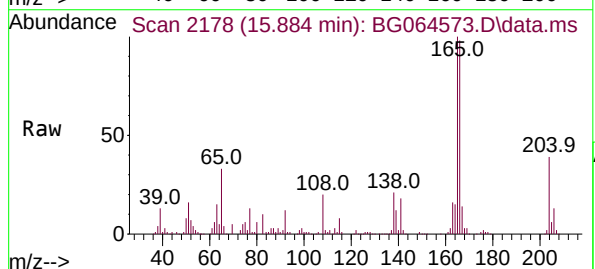
Manual Integrations
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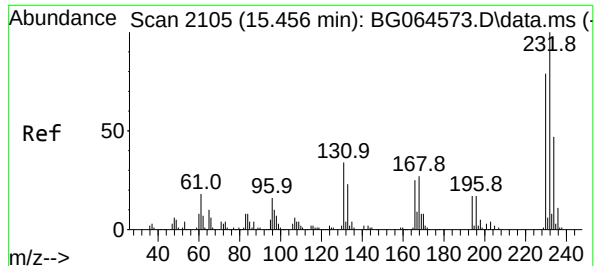
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#58
Fluorene
Concen: 41.939 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

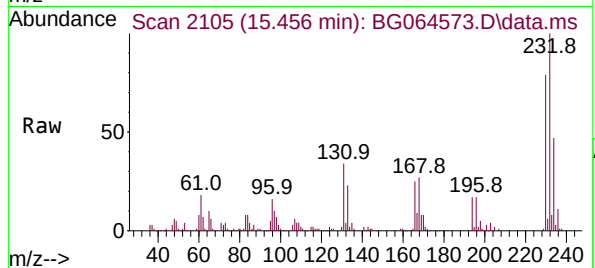
Tgt Ion:166 Resp: 399745
Ion Ratio Lower Upper
166 100
165 101.9 81.5 122.3
167 14.2 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 44.030 ng
RT: 15.456 min Scan# 2105
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

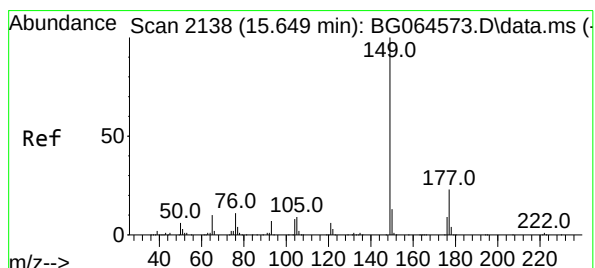
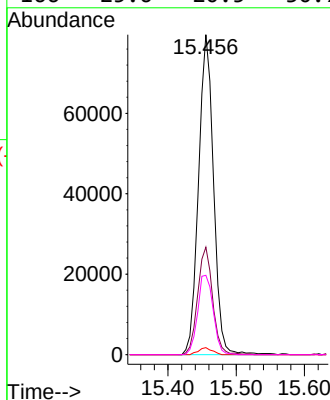
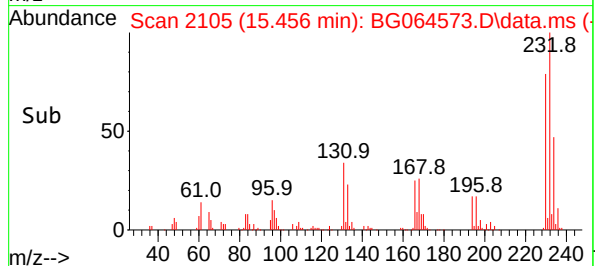
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



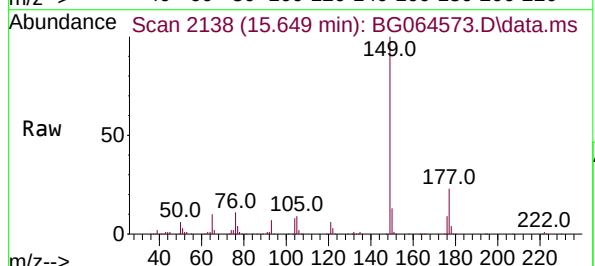
Tgt Ion:232 Resp: 121762
Ion Ratio Lower Upper
232 100
131 33.4 26.7 40.1
130 2.0 1.6 2.4
166 25.6 20.5 30.7

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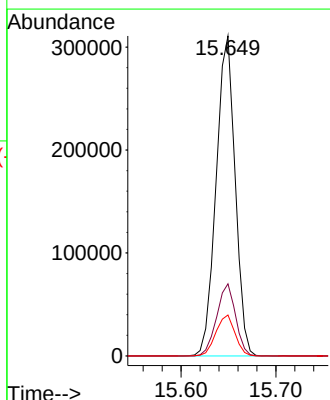
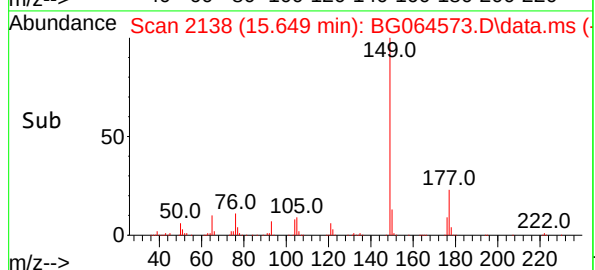
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

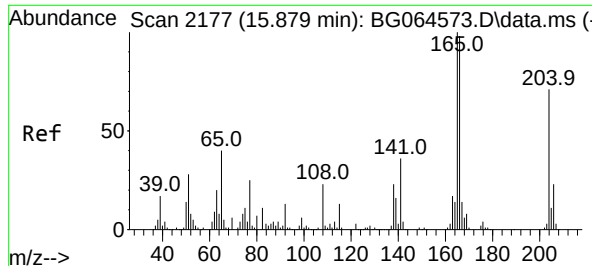


#60
Diethylphthalate
Concen: 42.412 ng
RT: 15.649 min Scan# 2138
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03



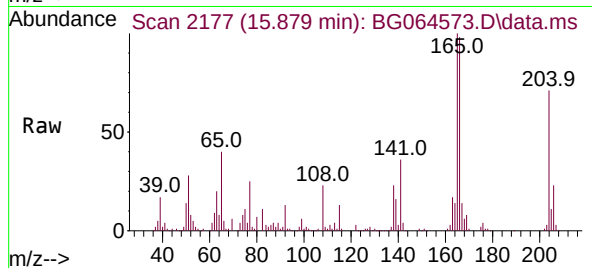
Tgt Ion:149 Resp: 432571
Ion Ratio Lower Upper
149 100
177 22.5 18.0 27.0
150 12.8 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 42.270 ng
RT: 15.879 min Scan# 2177
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

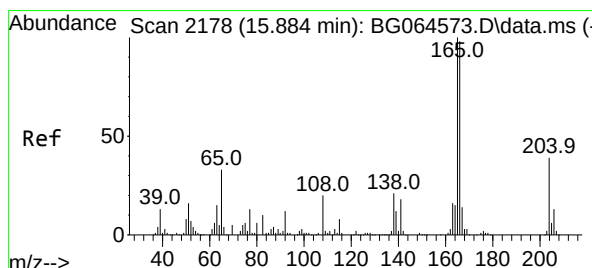
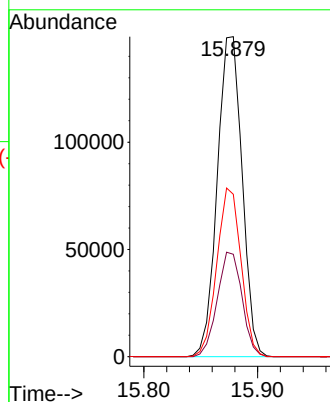
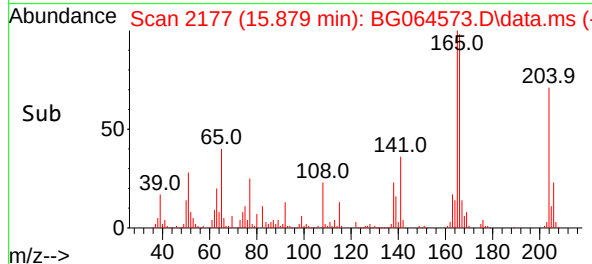
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:204 Resp: 226104
Ion Ratio Lower Upper
204 100
206 32.0 25.6 38.4
141 50.7 40.6 60.8

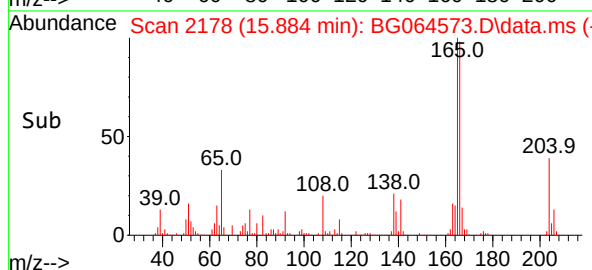
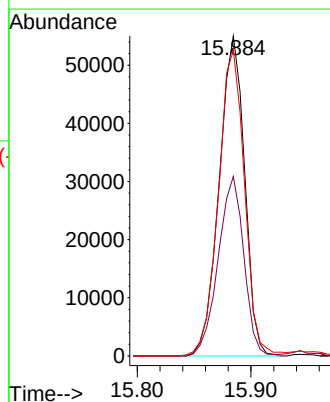
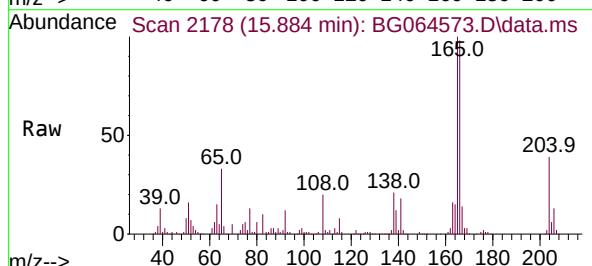
Manual Integrations
APPROVED

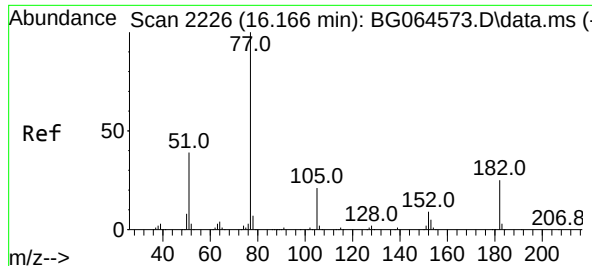
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#62
4-Nitroaniline
Concen: 44.662 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

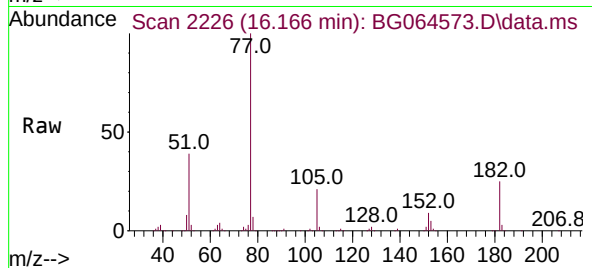
Tgt Ion:138 Resp: 85297
Ion Ratio Lower Upper
138 100
92 56.1 36.1 76.1
108 95.6 75.6 115.6





#63
Azobenzene
Concen: 42.922 ng
RT: 16.166 min Scan# 2226
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

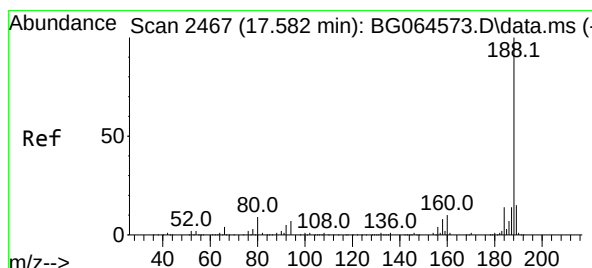
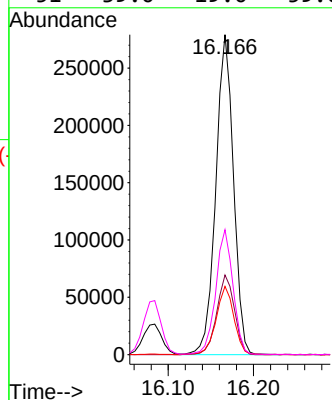
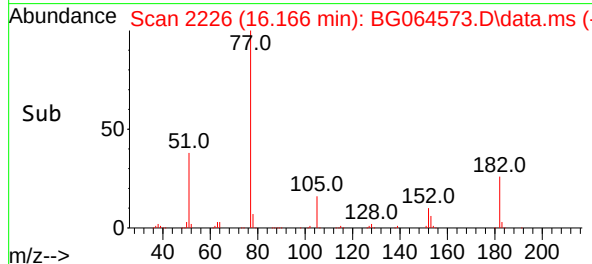
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion: 77 Resp: 401676
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

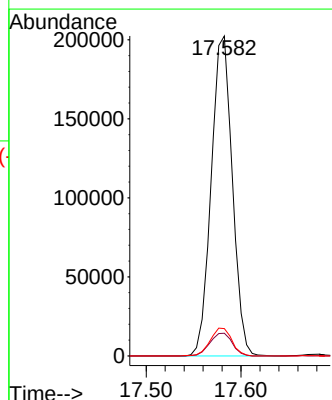
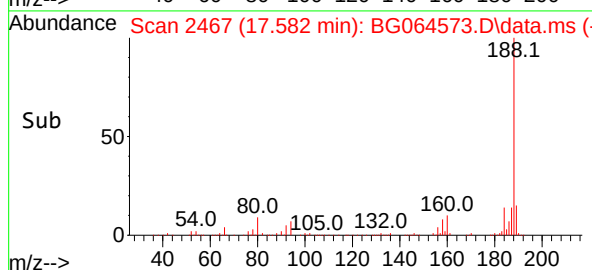
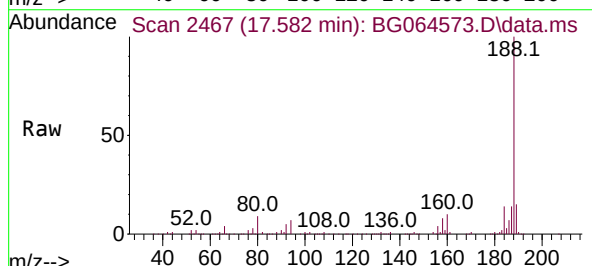
Manual Integrations
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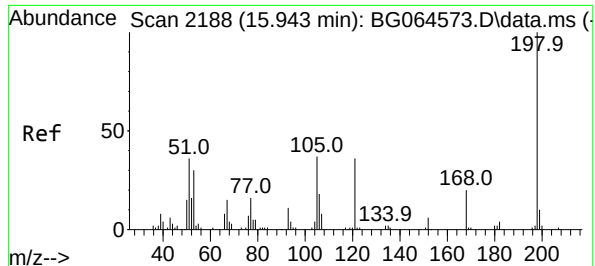
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.582 min Scan# 2467
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:188 Resp: 313311
Ion Ratio Lower Upper
188 100
94 7.1 5.7 8.5
80 8.5 6.8 10.2





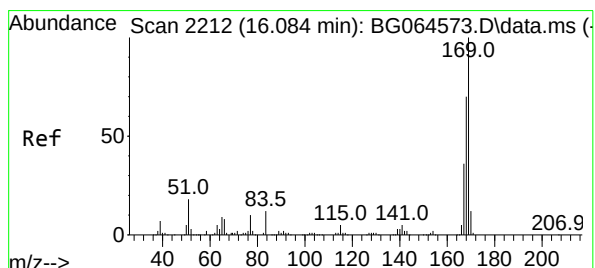
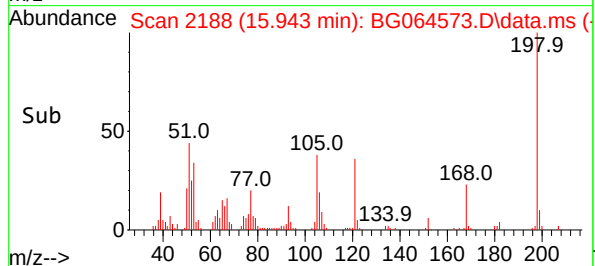
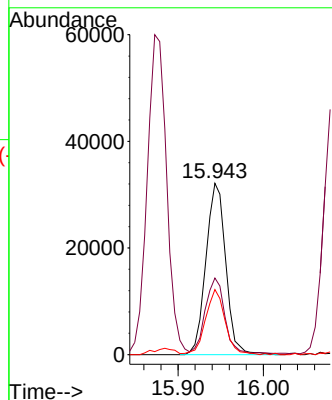
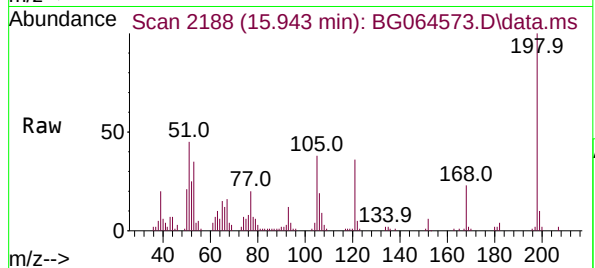
#65
4,6-Dinitro-2-methylphenol
Concen: 38.770 ng
RT: 15.943 min Scan# 2188
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 51829
Ion Ratio Lower Upper
198 100
51 44.7 24.7 64.7
105 38.0 18.0 58.0

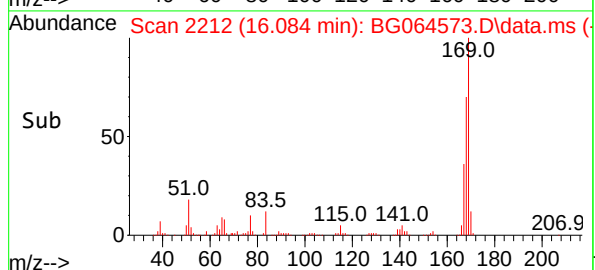
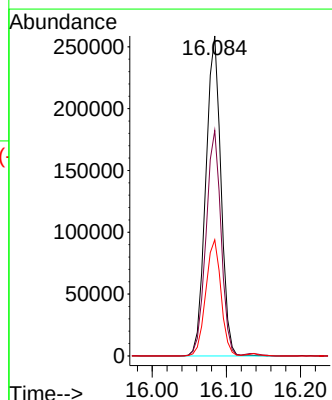
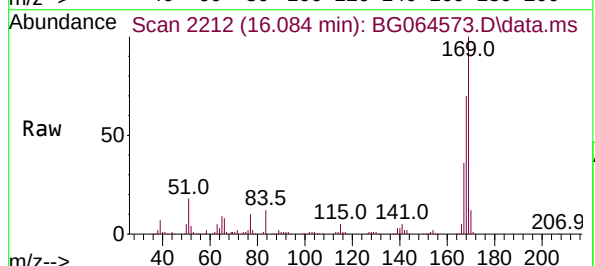
Manual Integrations
APPROVED

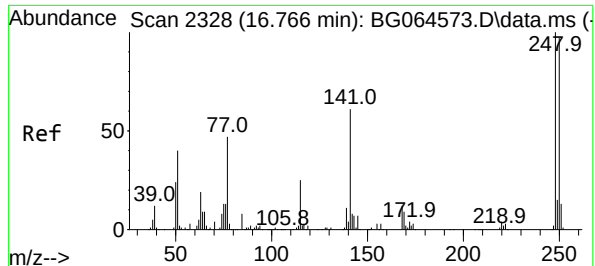
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#66
n-Nitrosodiphenylamine
Concen: 43.201 ng
RT: 16.084 min Scan# 2212
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

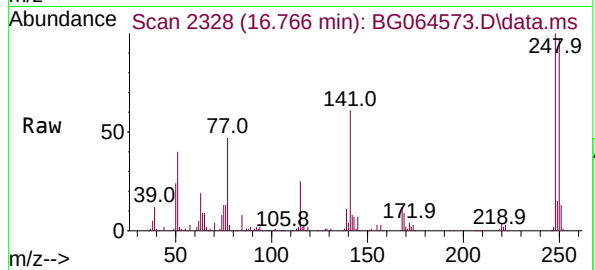
Tgt Ion:169 Resp: 365624
Ion Ratio Lower Upper
169 100
168 70.4 56.3 84.5
167 36.3 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 43.563 ng
RT: 16.766 min Scan# 2328
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

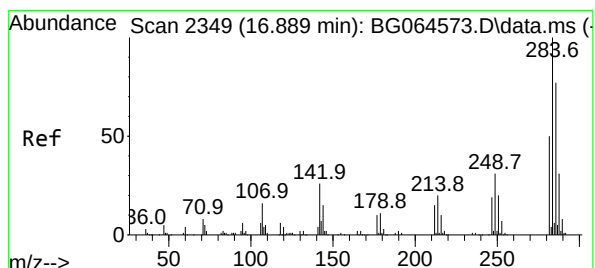
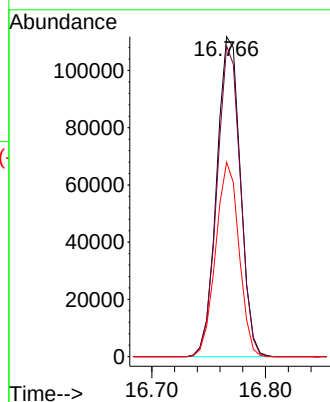
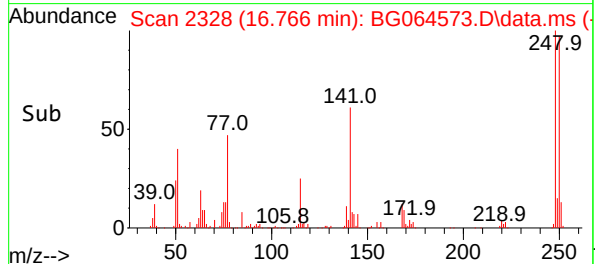
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:248 Resp: 161744
Ion Ratio Lower Upper
248 100
250 97.1 77.7 116.5
141 60.7 48.6 72.8

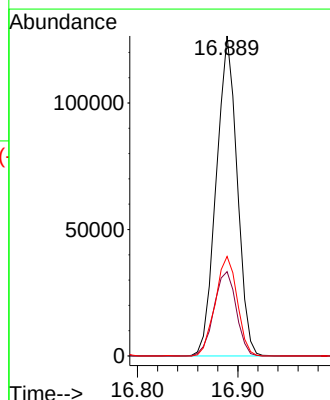
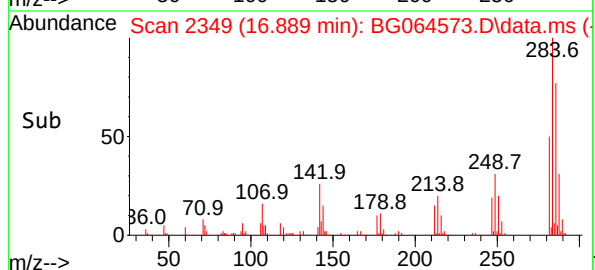
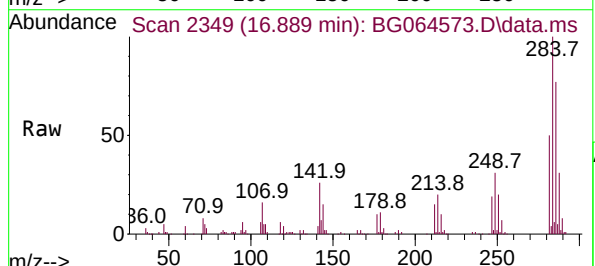
Manual Integrations
APPROVED

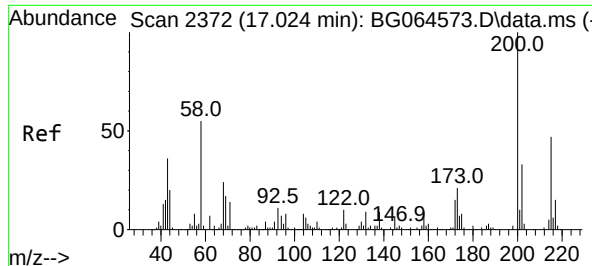
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#68
Hexachlorobenzene
Concen: 43.265 ng
RT: 16.889 min Scan# 2349
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

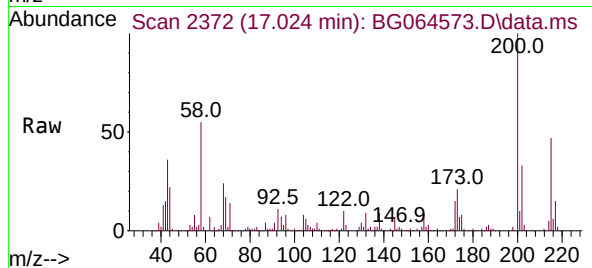
Tgt Ion:284 Resp: 183262
Ion Ratio Lower Upper
284 100
142 26.3 21.0 31.6
249 31.1 24.9 37.3





#69
 Atrazine
 Concen: 42.203 ng
 RT: 17.024 min Scan# 2372
 Delta R.T. -0.004 min
 Lab File: BG064573.D
 Acq: 24 Oct 2025 13:03

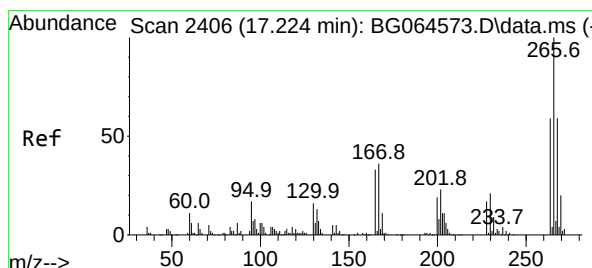
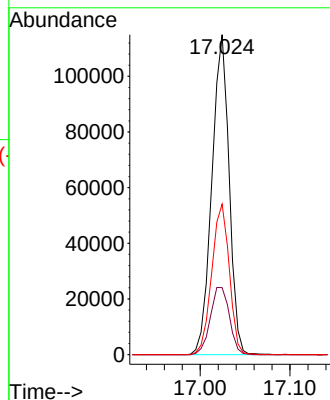
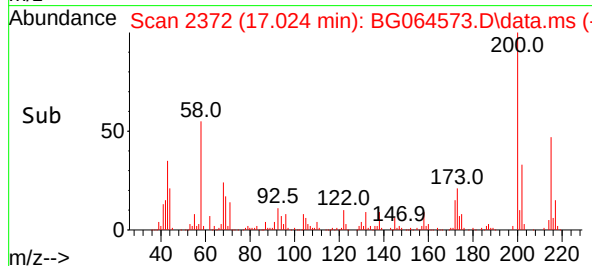
Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC040



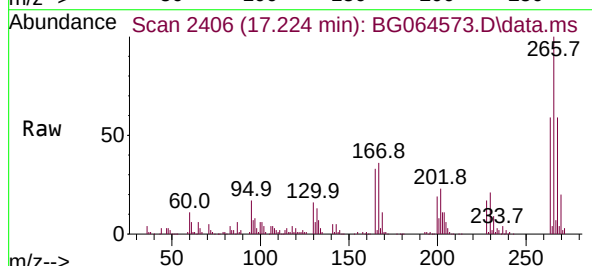
Tgt Ion:200 Resp: 153706
 Ion Ratio Lower Upper
 200 100
 173 20.9 0.9 40.9
 215 47.0 27.0 67.0

Manual Integrations
 APPROVED

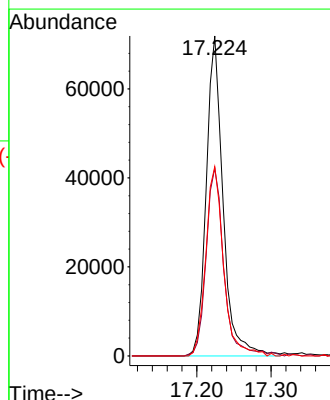
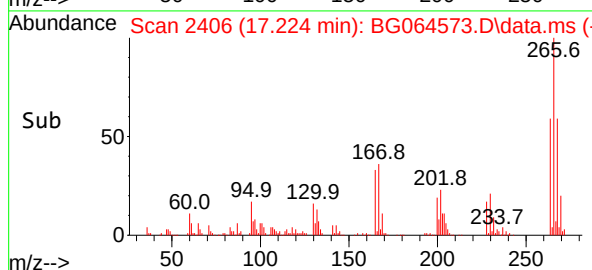
Reviewed By :Rahul Chavli 10/27/2025
 Supervised By :Jagrut Upadhyay 10/27/2025

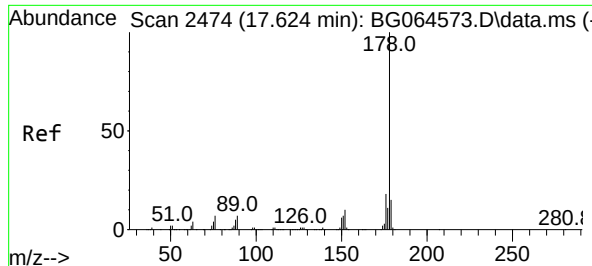


#70
 Pentachlorophenol
 Concen: 42.694 ng
 RT: 17.224 min Scan# 2406
 Delta R.T. -0.004 min
 Lab File: BG064573.D
 Acq: 24 Oct 2025 13:03



Tgt Ion:266 Resp: 112769
 Ion Ratio Lower Upper
 266 100
 268 62.9 50.3 75.5
 264 59.1 47.3 70.9





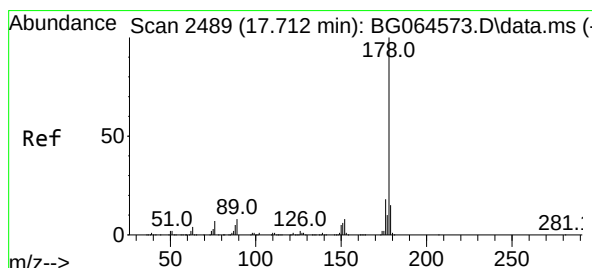
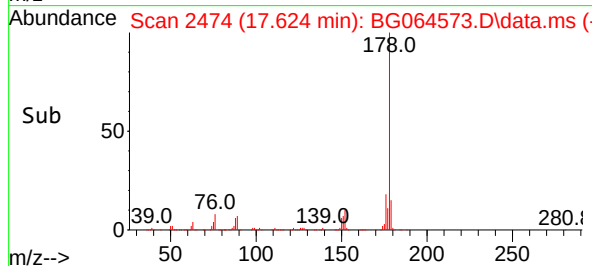
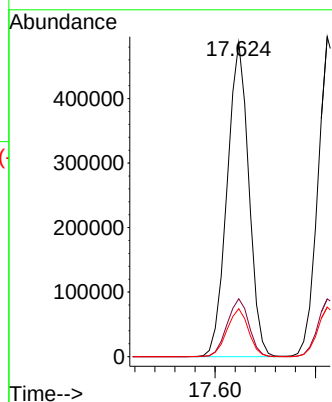
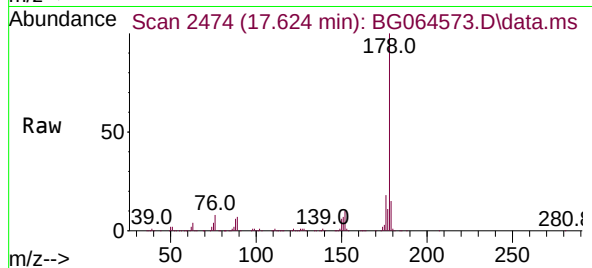
#71
Phenanthrene
Concen: 42.500 ng
RT: 17.624 min Scan# 2474
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 728184
Ion Ratio Lower Upper
178 100
176 18.4 14.7 22.1
179 15.3 12.2 18.4

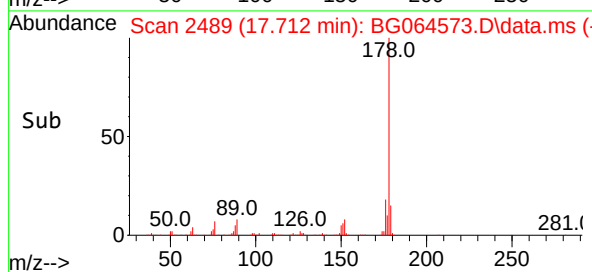
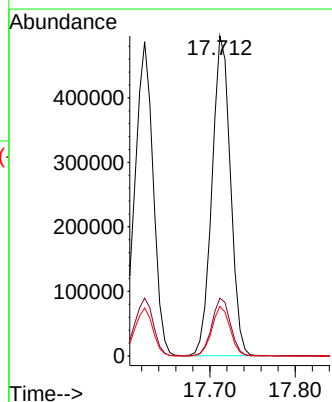
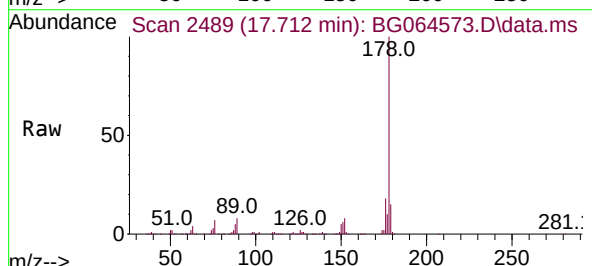
Manual Integrations
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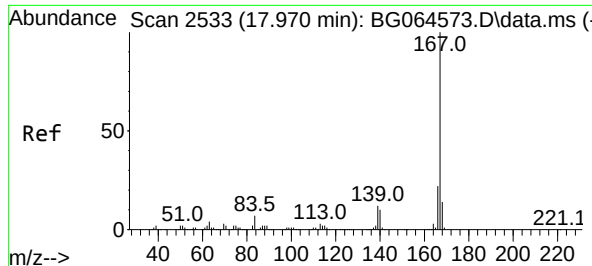
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#72
Anthracene
Concen: 42.663 ng
RT: 17.712 min Scan# 2489
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

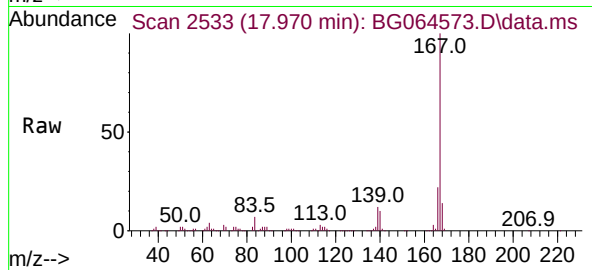
Tgt Ion:178 Resp: 743567
Ion Ratio Lower Upper
178 100
176 18.0 14.4 21.6
179 15.5 12.4 18.6





#73
Carbazole
Concen: 42.053 ng
RT: 17.970 min Scan# 2533
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

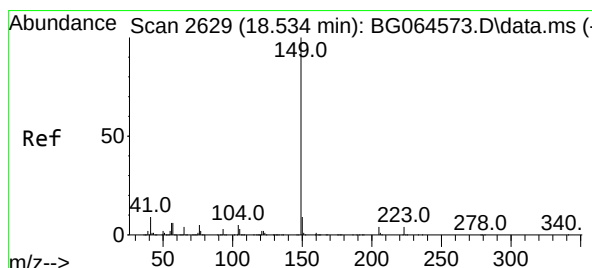
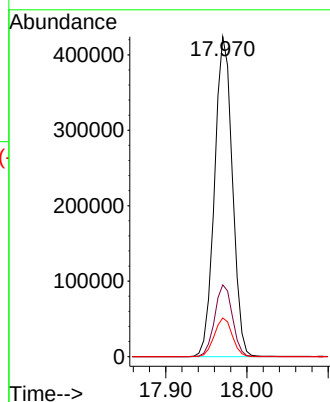
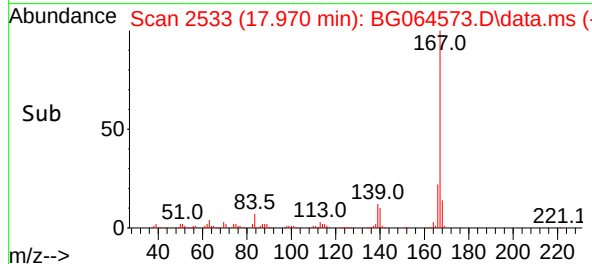
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:167 Resp: 646319
Ion Ratio Lower Upper
167 100
166 22.4 17.9 26.9
139 12.1 9.7 14.5

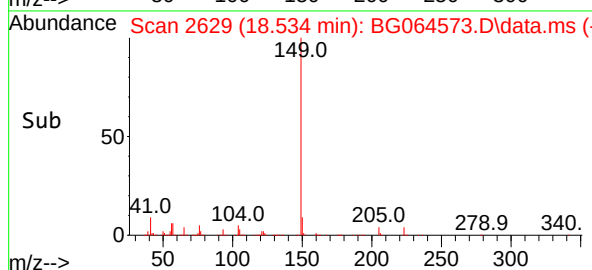
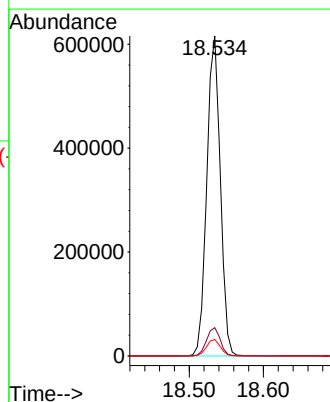
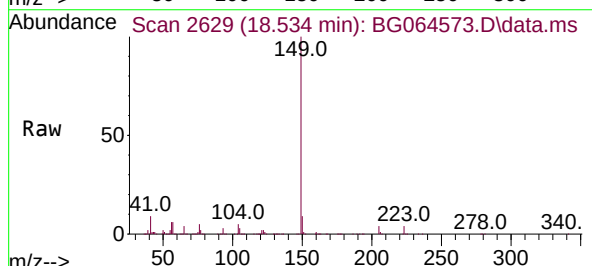
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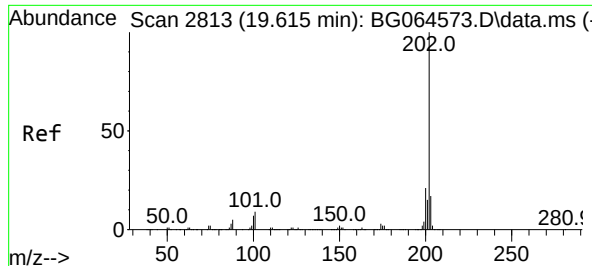
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#74
Di-n-butylphthalate
Concen: 43.711 ng
RT: 18.534 min Scan# 2629
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

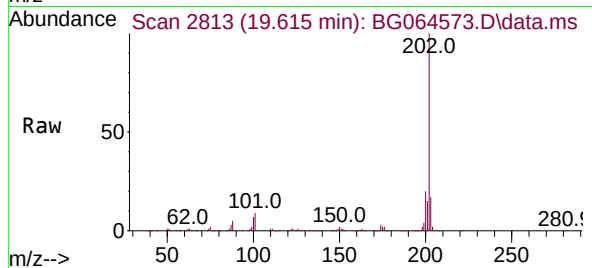
Tgt Ion:149 Resp: 776847
Ion Ratio Lower Upper
149 100
150 8.8 7.0 10.6
104 5.1 4.1 6.1





#75
Fluoranthene
Concen: 42.050 ng
RT: 19.615 min Scan# 2813
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

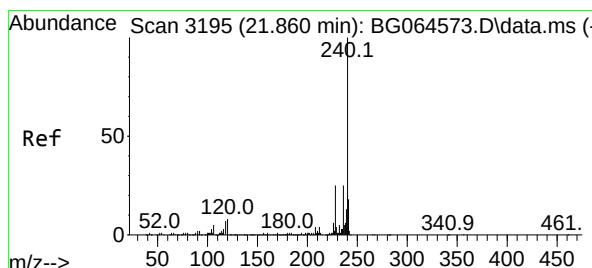
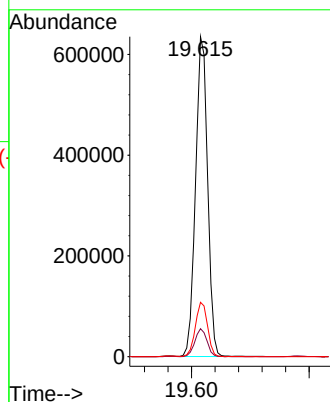
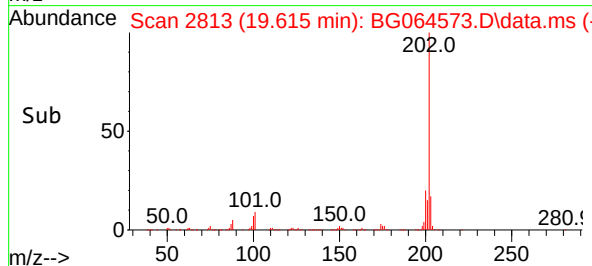
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:202 Resp: 902552
Ion Ratio Lower Upper
202 100
101 8.7 0.0 28.7
203 17.0 0.0 37.0

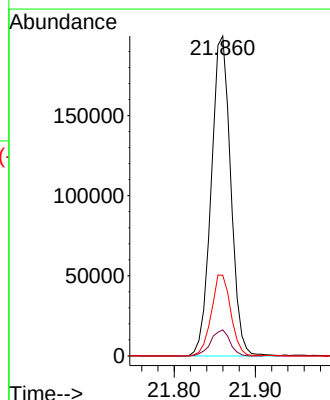
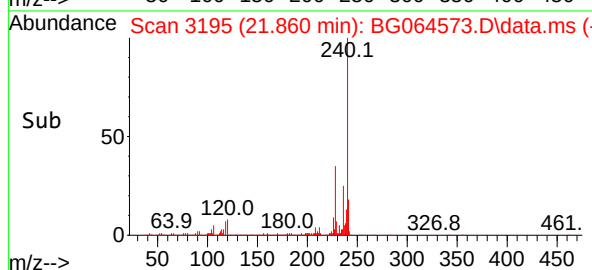
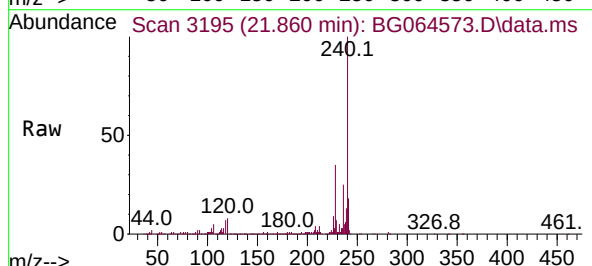
Manual Integrations
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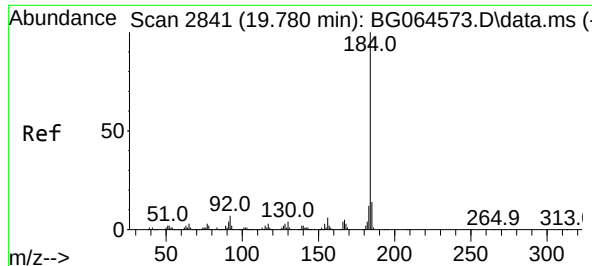
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.860 min Scan# 3195
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

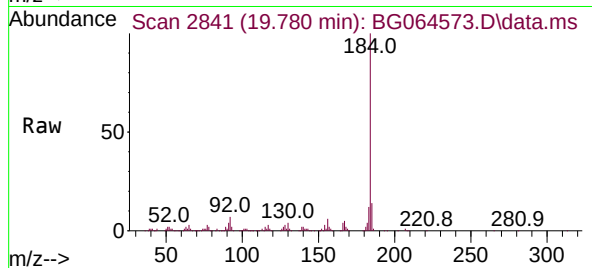
Tgt Ion:240 Resp: 332834
Ion Ratio Lower Upper
240 100
120 8.1 6.5 9.7
236 25.2 20.2 30.2





#77
Benzidine
Concen: 43.697 ng
RT: 19.780 min Scan# 2841
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

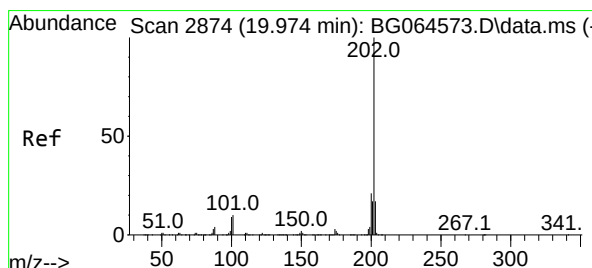
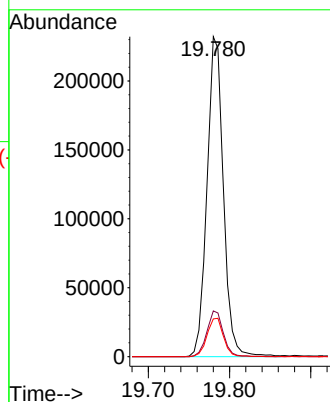
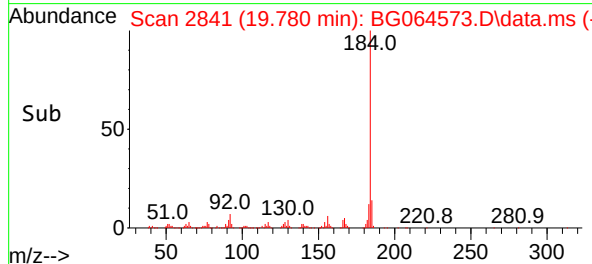
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



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

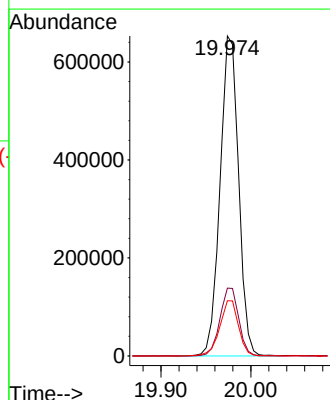
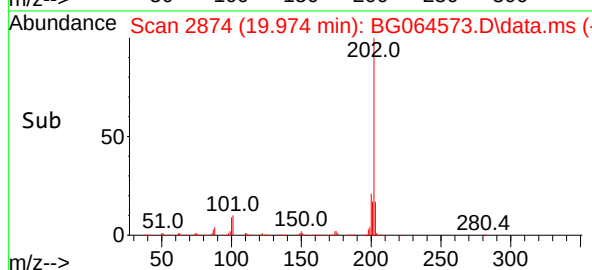
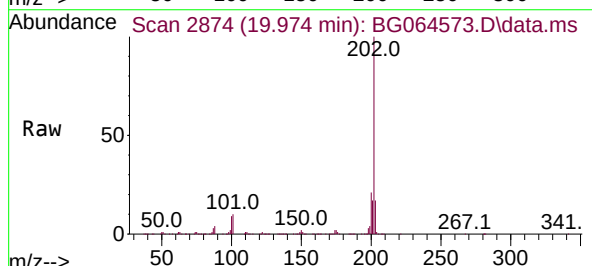
Manual Integrations
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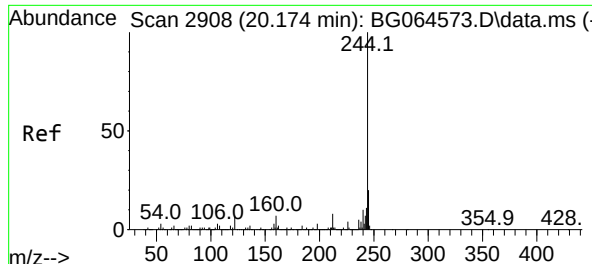
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#78
Pyrene
Concen: 43.186 ng
RT: 19.974 min Scan# 2874
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

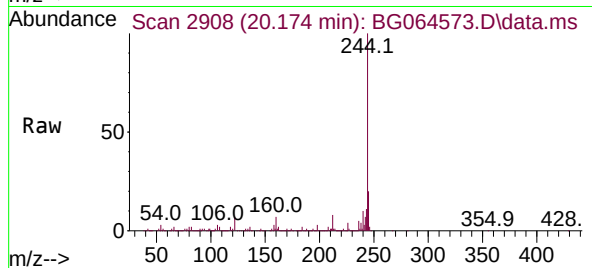
Tgt Ion:202 Resp: 939110
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.2 13.8 20.6





#79
 Terphenyl-d14
 Concen: 86.242 ng
 RT: 20.174 min Scan# 2908
 Delta R.T. -0.004 min
 Lab File: BG064573.D
 Acq: 24 Oct 2025 13:03

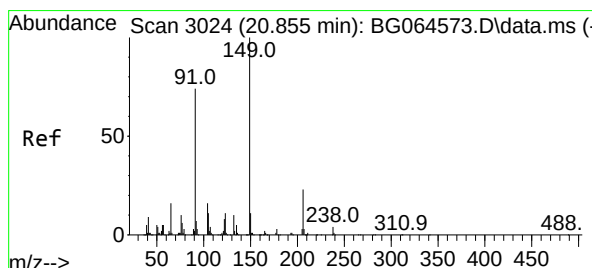
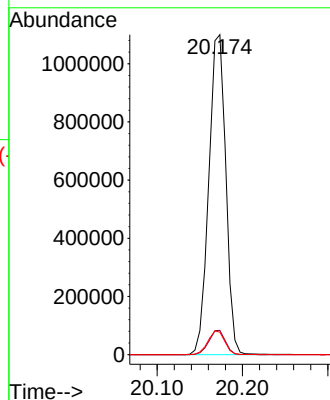
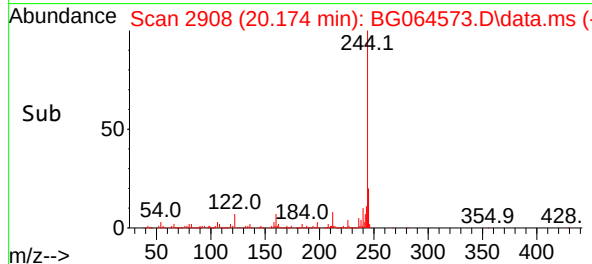
Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC040



Tgt Ion:244 Resp: 1521028
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.1 9.1
 122 7.0 5.6 8.4

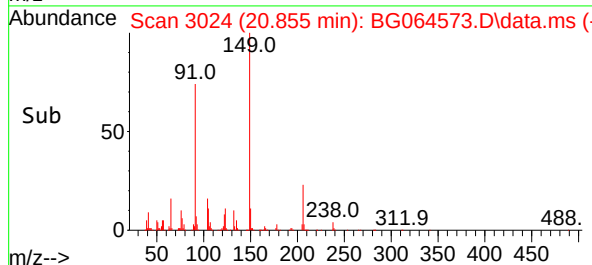
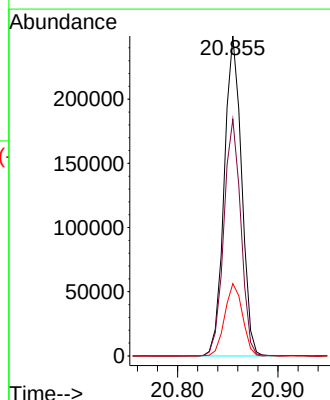
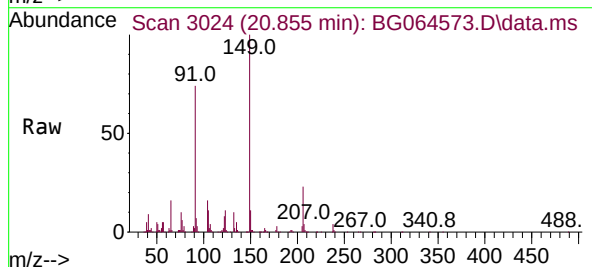
Manual Integrations
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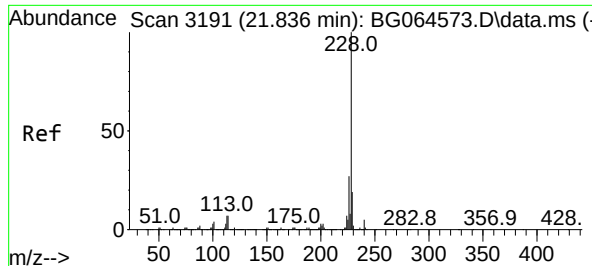
Reviewed By :Rahul Chavli 10/27/2025
 Supervised By :Jagrut Upadhyay 10/27/2025



#80
 Butylbenzylphthalate
 Concen: 45.601 ng
 RT: 20.855 min Scan# 3024
 Delta R.T. -0.004 min
 Lab File: BG064573.D
 Acq: 24 Oct 2025 13:03

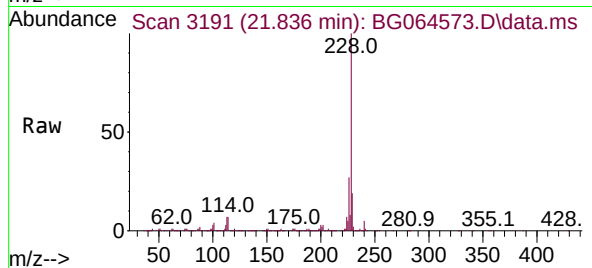
Tgt Ion:149 Resp: 299706
 Ion Ratio Lower Upper
 149 100
 91 74.0 59.2 88.8
 206 22.6 18.1 27.1





#81
Benzo(a)anthracene
Concen: 42.723 ng
RT: 21.836 min Scan# 3191
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

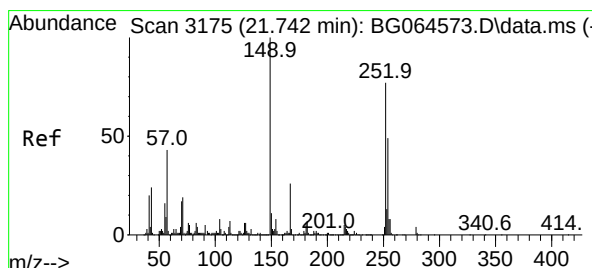
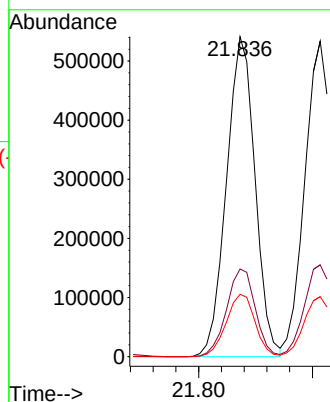
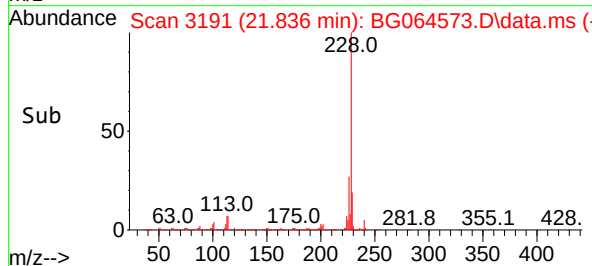
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 942839
Ion Ratio Lower Upper
228 100
226 27.4 21.9 32.9
229 19.5 15.6 23.4

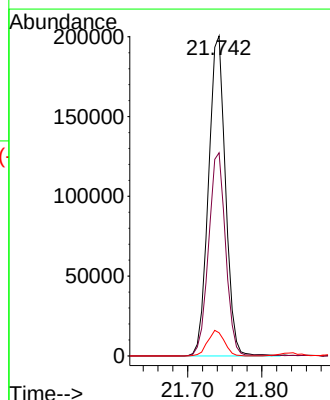
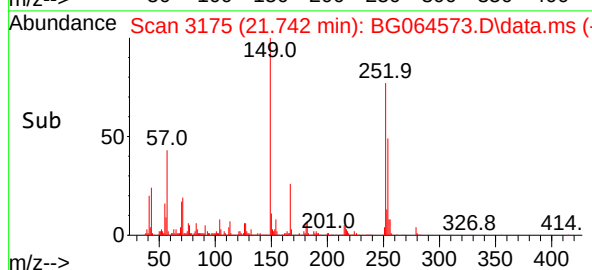
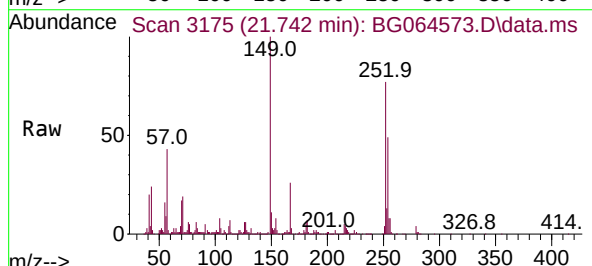
Manual Integrations
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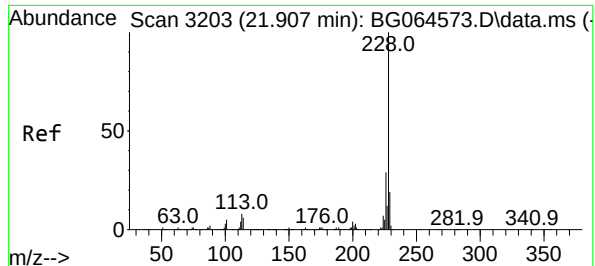
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#82
3,3'-Dichlorobenzidine
Concen: 43.131 ng
RT: 21.742 min Scan# 3175
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

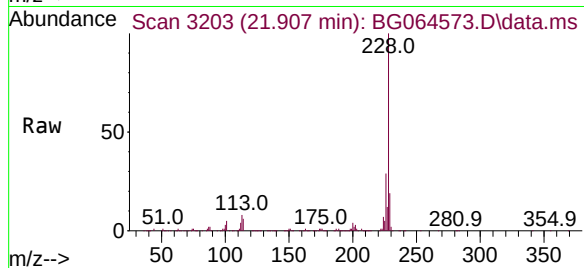
Tgt Ion:252 Resp: 317851
Ion Ratio Lower Upper
252 100
254 63.5 50.8 76.2
126 7.2 5.8 8.6





#83
Chrysene
Concen: 42.613 ng
RT: 21.907 min Scan# 3176
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

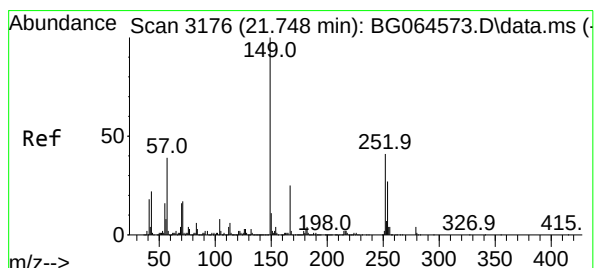
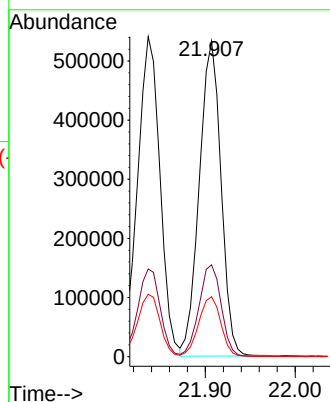
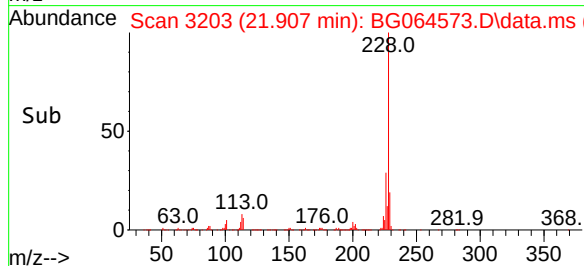
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 894813
Ion Ratio Lower Upper
228 100
226 29.1 23.3 34.9
229 19.0 15.2 22.8

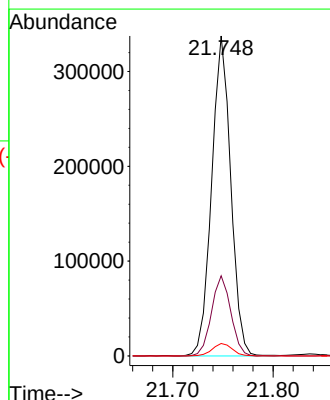
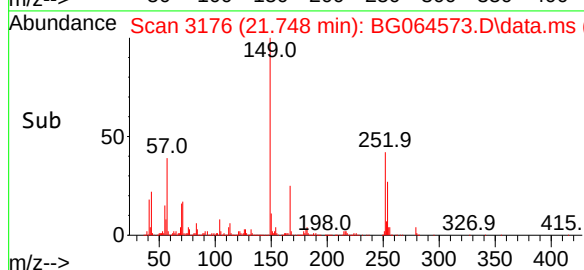
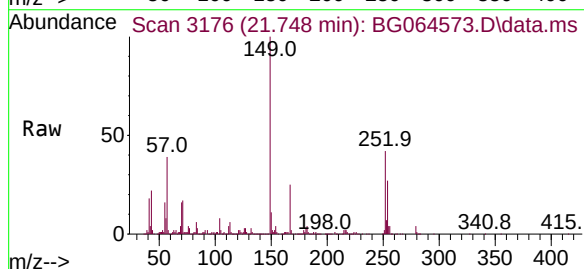
Manual Integrations
APPROVED

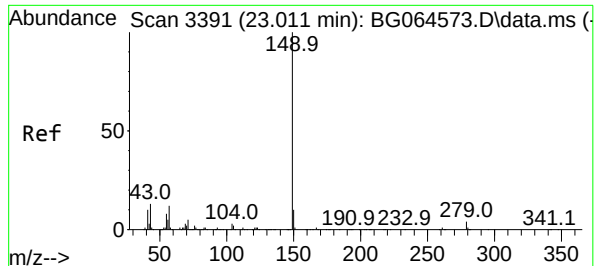
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 45.494 ng
RT: 21.748 min Scan# 3176
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

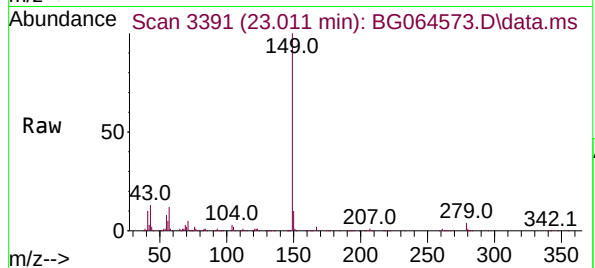
Tgt Ion:149 Resp: 446785
Ion Ratio Lower Upper
149 100
167 25.0 20.0 30.0
279 3.9 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 43.688 ng
RT: 23.011 min Scan# 3391
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

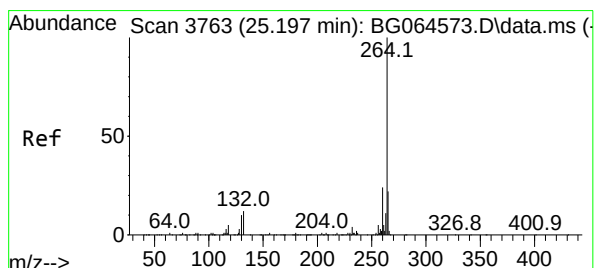
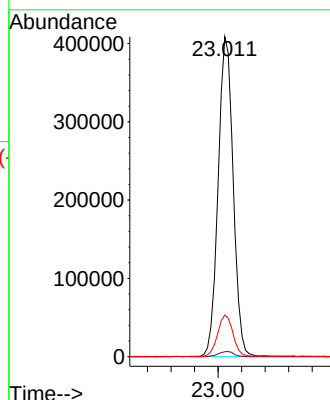
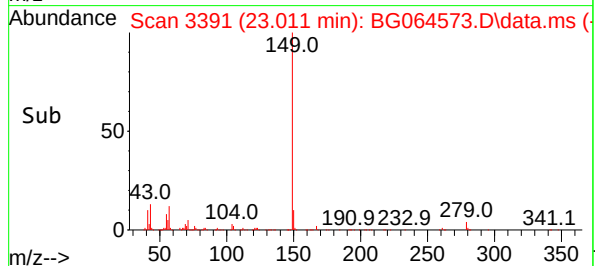
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



Tgt Ion:149 Resp: 723360
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 13.5 10.8 16.2

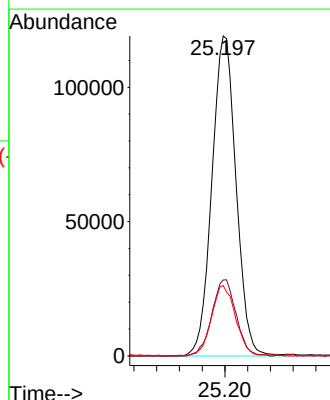
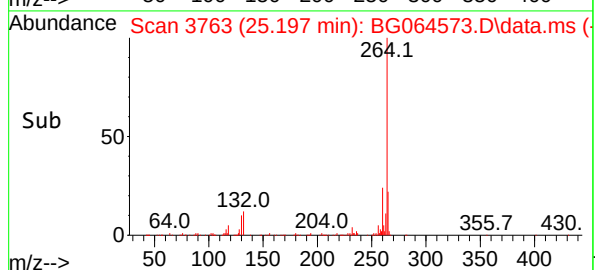
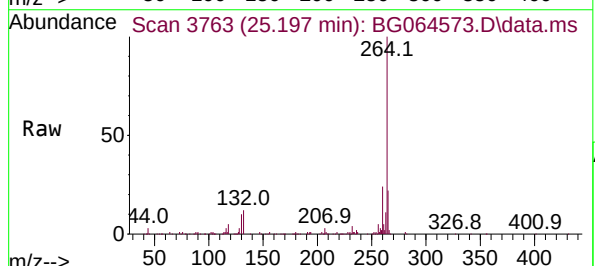
Manual Integrations
APPROVED

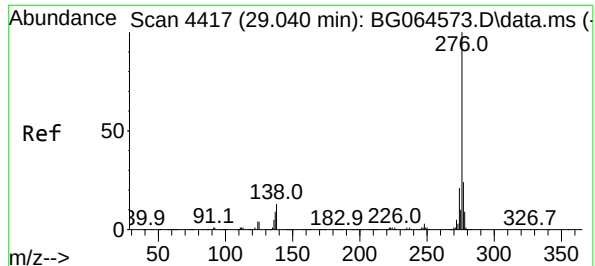
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.197 min Scan# 3763
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

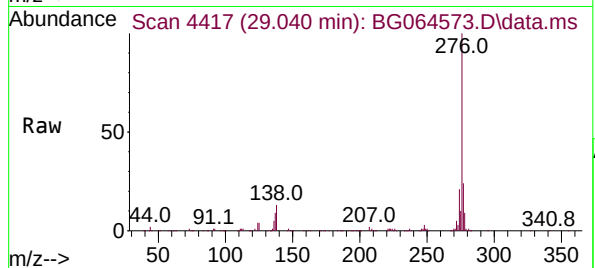
Tgt Ion:264 Resp: 350897
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.4
265 22.0 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 42.624 ng
RT: 29.040 min Scan# 4417
Delta R.T. -0.021 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

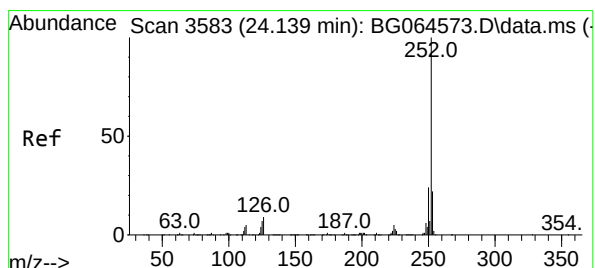
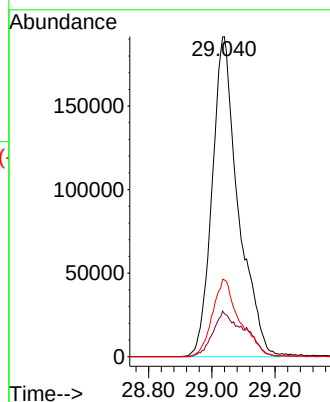
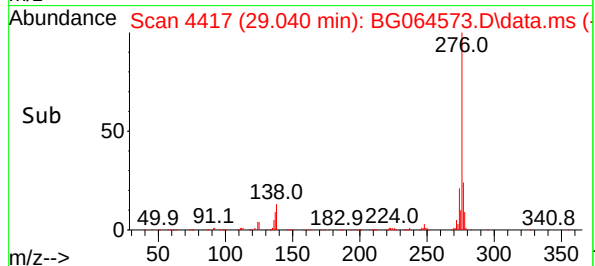
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



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

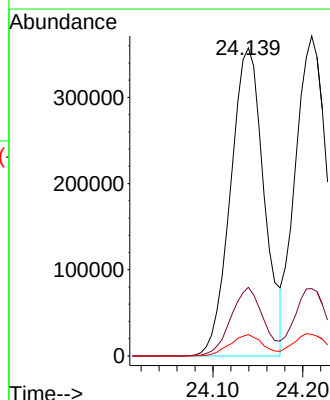
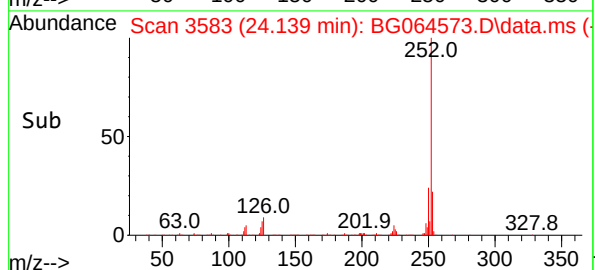
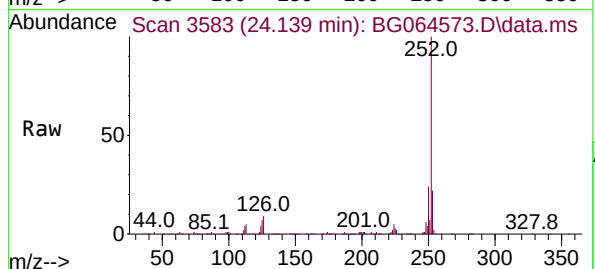
Manual Integrations
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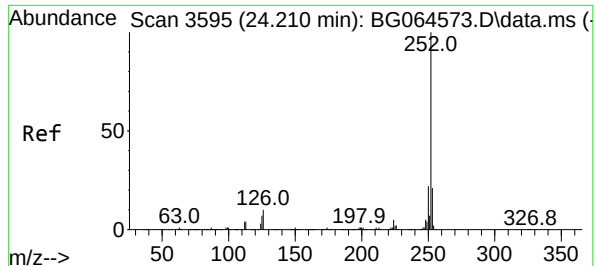
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#88
Benzo(b)fluoranthene
Concen: 43.108 ng
RT: 24.139 min Scan# 3583
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 927550
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 7.0 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 41.878 ng

RT: 24.210 min Scan# 3595

Delta R.T. -0.009 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

Instrument :

BNA_G

ClientSampleId :

SSTDICCC040

Tgt Ion:252 Resp: 901700

Ion Ratio Lower Upper

252 100

253 21.0 16.8 25.2

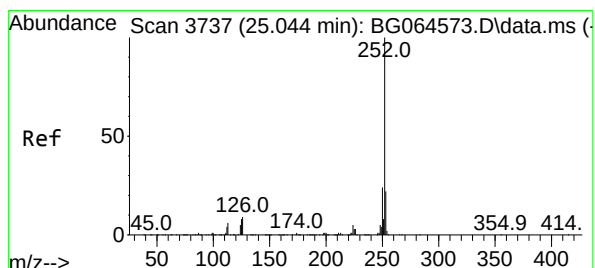
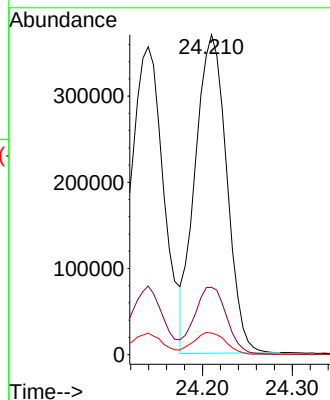
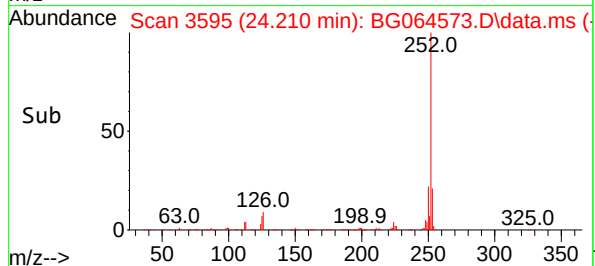
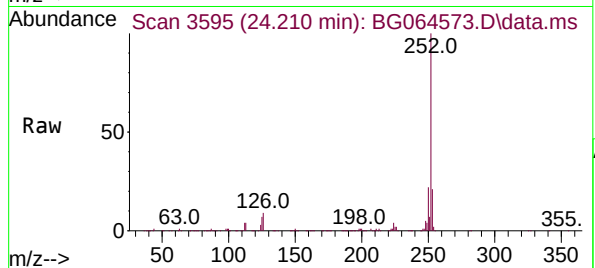
125 6.7 5.4 8.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#90

Benzo(a)pyrene

Concen: 42.635 ng

RT: 25.044 min Scan# 3737

Delta R.T. -0.015 min

Lab File: BG064573.D

Acq: 24 Oct 2025 13:03

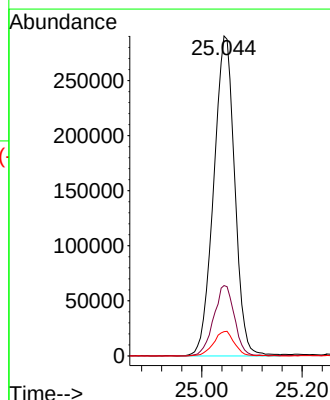
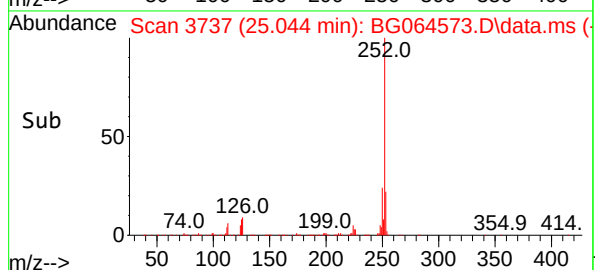
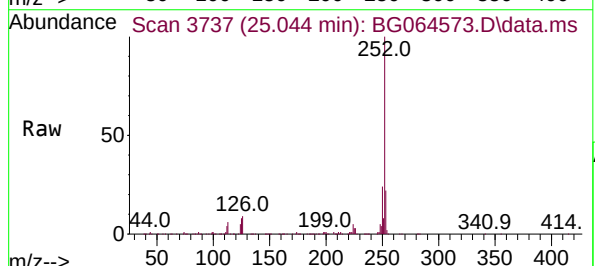
Tgt Ion:252 Resp: 843258

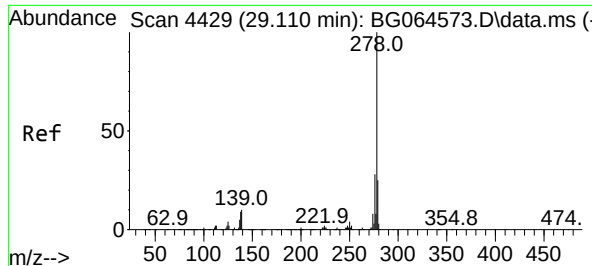
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

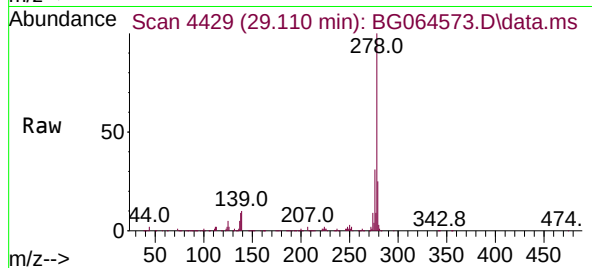
125 7.6 6.1 9.1





#91
Dibenzo(a,h)anthracene
Concen: 42.430 ng
RT: 29.110 min Scan# 4429
Delta R.T. -0.027 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

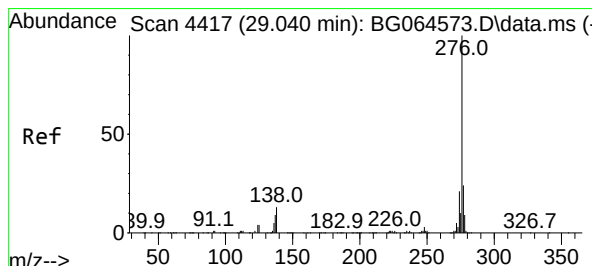
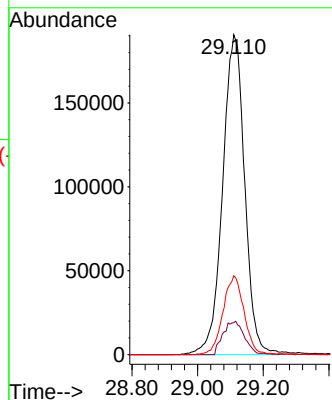
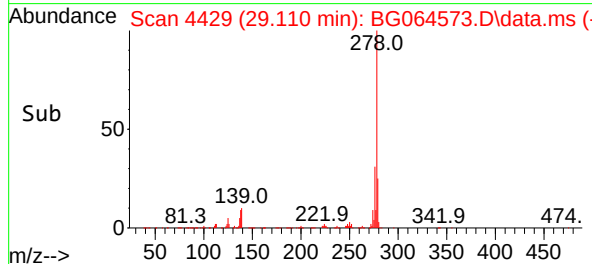
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040



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

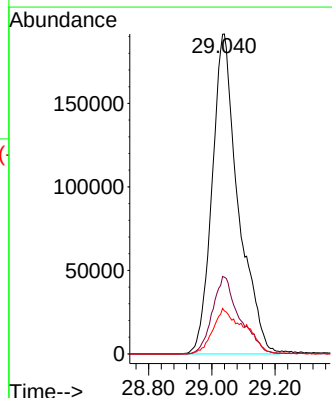
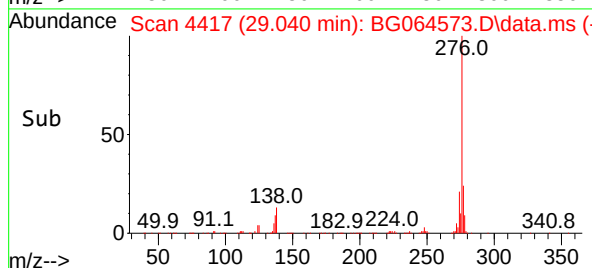
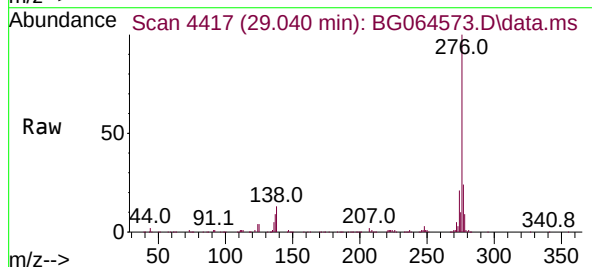
Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 42.624 ng
RT: 29.040 min Scan# 4417
Delta R.T. -0.021 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:276 Resp: 1100259
Ion Ratio Lower Upper
276 100
277 24.0 19.2 28.8
138 13.4 10.7 16.1



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

Instrument :
 BNA_G
 ClientSampleId :
 SSTDICC060

Manual Integrations
 APPROVED

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

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.219	152	40271	20.000	ng	0.00
21) Naphthalene-d8	11.045	136	168005	20.000	ng	0.00
39) Acenaphthene-d10	14.841	164	134994	20.000	ng	0.00
64) Phenanthrene-d10	17.579	188	324385	20.000	ng	0.00
76) Chrysene-d12	21.856	240	340896	20.000	ng	0.00
86) Perylene-d12	25.205	264	350916	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.746	112	318446	132.728	ng	0.00
7) Phenol-d6	7.355	99	450449	136.821	ng	0.00
23) Nitrobenzene-d5	9.388	82	406268	145.243	ng	0.00
42) 2,4,6-Tribromophenol	16.321	330	280190	143.807	ng	0.00
45) 2-Fluorobiphenyl	13.478	172	1120989	125.867	ng	0.00
79) Terphenyl-d14	20.176	244	2253704	124.763	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.589	88	67487	63.535	ng	98
3) Pyridine	4.001	79	209372	65.637	ng	98
4) n-Nitrosodimethylamine	3.907	42	111310	65.071	ng	94
6) Aniline	7.532	93	294791	65.803	ng	98
8) 2-Chlorophenol	7.779	128	176533	70.297	ng	98
9) Benzaldehyde	7.344	77	118559	65.963	ng	98
10) Phenol	7.379	94	244914	67.267	ng	98
11) bis(2-Chloroethyl)ether	7.532	93	294791	65.803	ng	99
12) 1,3-Dichlorobenzene	8.113	146	186290	64.452	ng	99
13) 1,4-Dichlorobenzene	8.254	146	188553	64.157	ng	95
14) 1,2-Dichlorobenzene	8.583	146	183593	64.766	ng	98
15) Benzyl Alcohol	8.448	79	185157	68.201	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.742	45	459295	65.410	ng	100
17) 2-Methylphenol	8.448	107	95860	70.639	ng	95
18) Hexachloroethane	9.324	117	67237	65.193	ng	99
19) n-Nitroso-di-n-propyla...	9.030	70	155683	68.424	ng	99
20) 3+4-Methylphenols	8.983	107	228995	67.359	ng	98
22) Acetophenone	9.048	105	297413	64.759	ng	# 96
24) Nitrobenzene	9.430	77	220774	72.567	ng	98
25) Isophorone	9.958	82	449298	66.940	ng	99
26) 2-Nitrophenol	10.146	139	76368	63.945	ng	98
27) 2,4-Dimethylphenol	10.193	122	181063m	71.099	ng	
28) bis(2-Chloroethoxy)met...	10.440	93	248699	65.078	ng	99
29) 2,4-Dichlorophenol	10.681	162	188233	70.056	ng	96
30) 1,2,4-Trichlorobenzene	10.904	180	200988	65.837	ng	95
31) Naphthalene	11.098	128	605239	64.976	ng	99
32) Benzoic acid	10.340	122	131162m	68.067	ng	
33) 4-Chloroaniline	11.192	127	245101	67.699	ng	98
34) Hexachlorobutadiene	11.392	225	154303	64.630	ng	97
35) Caprolactam	11.968	113	71319	69.206	ng	96
36) 4-Chloro-3-methylphenol	12.297	107	228833	70.853	ng	100
37) 2-Methylnaphthalene	12.690	142	447497	65.435	ng	98
38) 1-Methylnaphthalene	12.908	142	442677	65.785	ng	99
40) 1,2,4,5-Tetrachloroben...	13.055	216	290173	64.049	ng	100
41) Hexachlorocyclopentadiene	13.037	237	137727	67.540	ng	99
43) 2,4,6-Trichlorophenol	13.278	196	184771	71.299	ng	99

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

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:17 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

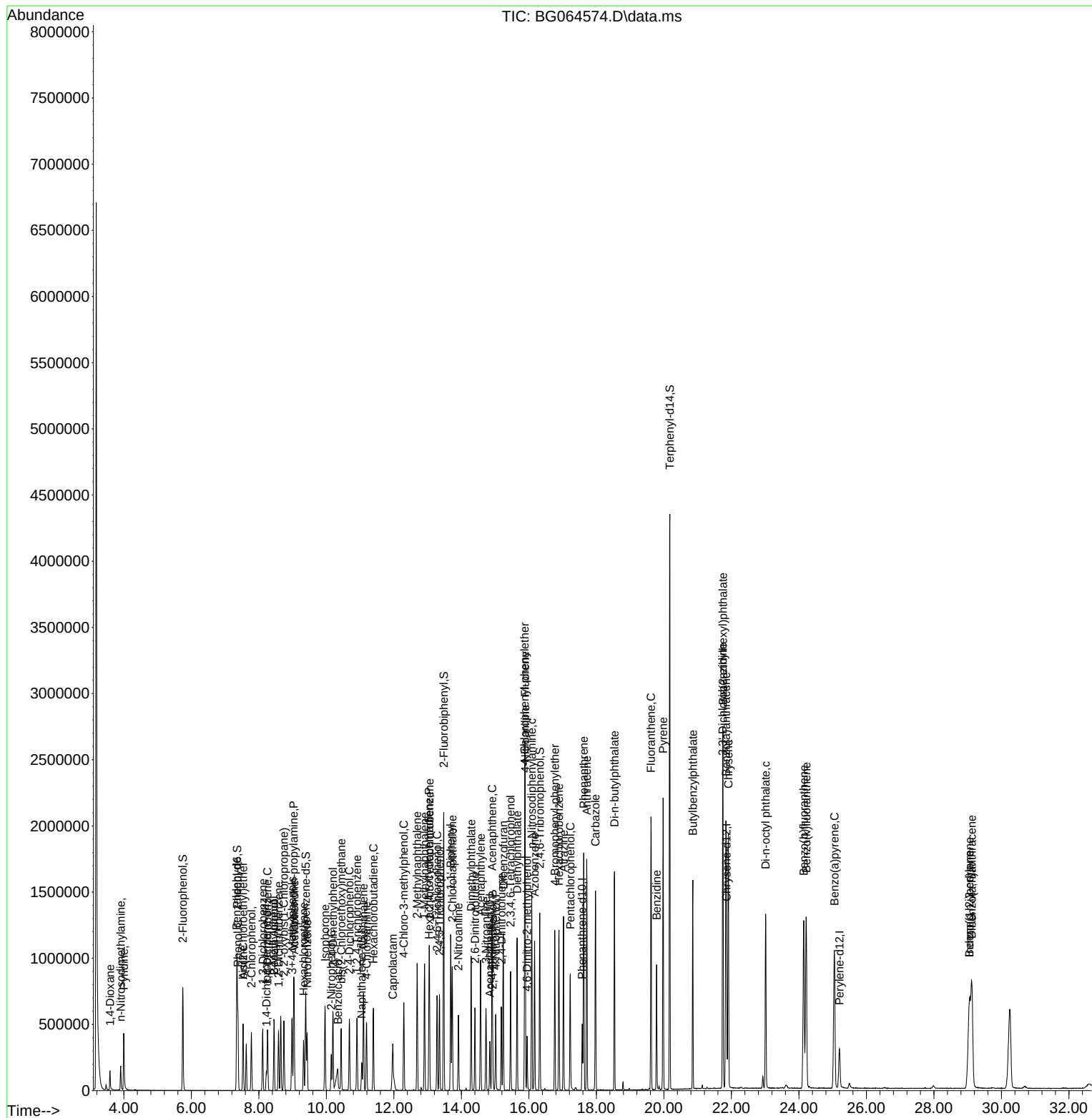
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.354	196	209320	69.994	ng	96
46) 1,1'-Biphenyl	13.683	154	606860	63.233	ng	98
47) 2-Chloronaphthalene	13.730	162	463792	64.022	ng	98
48) 2-Nitroaniline	13.913	65	163796	66.052	ng	95
49) Acenaphthylene	14.571	152	739728	64.738	ng	100
50) Dimethylphthalate	14.289	163	688128	66.616	ng	99
51) 2,6-Dinitrotoluene	14.400	165	114588	65.951	ng	95
52) Acenaphthene	14.911	154	510499	65.392	ng	98
53) 3-Nitroaniline	14.729	138	131776	74.231	ng	91
54) 2,4-Dinitrophenol	14.929	184	66900	65.082	ng	# 75
55) Dibenzofuran	15.240	168	804964	63.779	ng	97
56) 4-Nitrophenol	15.017	139	114408	69.512	ng	97
57) 2,4-Dinitrotoluene	15.187	165	175802	65.522	ng	# 100
58) Fluorene	15.887	166	627437	63.656	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.458	232	205529	71.870	ng	99
60) Diethylphthalate	15.652	149	695924	65.982	ng	99
61) 4-Chlorophenyl-phenyle...	15.875	204	359759	65.038	ng	99
62) 4-Nitroaniline	15.893	138	143839	72.832	ng	98
63) Azobenzene	16.169	77	633520	65.464	ng	99
65) 4,6-Dinitro-2-methylph...	15.945	198	94338	64.046	ng	93
66) n-Nitrosodiphenylamine	16.086	169	577835	65.944	ng	99
67) 4-Bromophenyl-phenylether	16.768	248	256556	66.740	ng	100
68) Hexachlorobenzene	16.891	284	293831	67.001	ng	96
69) Atrazine	17.026	200	254070	67.378	ng	97
70) Pentachlorophenol	17.226	266	193954	70.923	ng	91
71) Phenanthrene	17.626	178	1147317	64.676	ng	99
72) Anthracene	17.714	178	1171223	64.905	ng	99
73) Carbazole	17.972	167	1000680	62.887	ng	99
74) Di-n-butylphthalate	18.536	149	1165396	63.334	ng	99
75) Fluoranthene	19.618	202	1364891	61.419	ng	98
77) Benzidine	19.782	184	544918	71.348	ng	99
78) Pyrene	19.976	202	1437669	64.549	ng	99
80) Butylbenzylphthalate	20.857	149	477358	70.914	ng	98
81) Benzo(a)anthracene	21.839	228	1462488	64.702	ng	99
82) 3,3'-Dichlorobenzidine	21.739	252	497174	65.868	ng	99
83) Chrysene	21.909	228	1389821	64.621	ng	98
84) Bis(2-ethylhexyl)phtha...	21.750	149	681649	67.768	ng	98
85) Di-n-octyl phthalate	23.014	149	1142651	67.379	ng	100
87) Indeno(1,2,3-cd)pyrene	29.048	276	1729035	66.979	ng	98
88) Benzo(b)fluoranthene	24.142	252	1424640	66.207	ng	99
89) Benzo(k)fluoranthene	24.218	252	1436312	66.703	ng	99
90) Benzo(a)pyrene	25.052	252	1311701	66.315	ng	100
91) Dibenzo(a,h)anthracene	29.124	278	1394234	66.479	ng	99
92) Benzo(g,h,i)perylene	29.048	276	1729035	66.979	ng	98

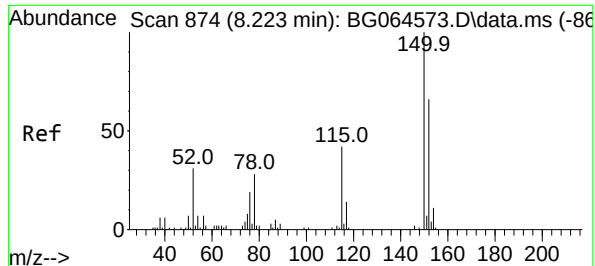
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

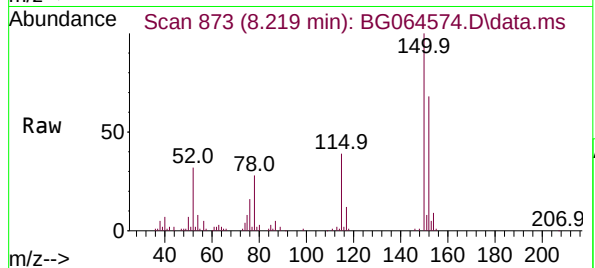
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

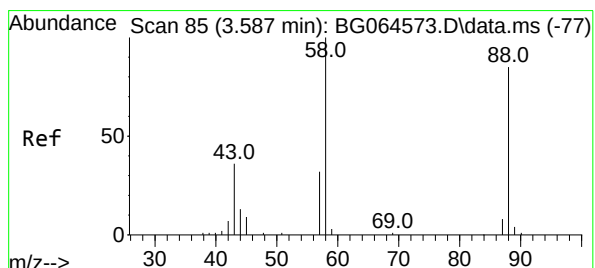
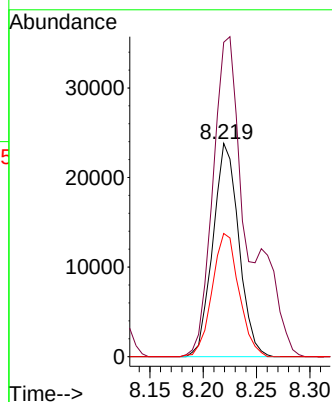
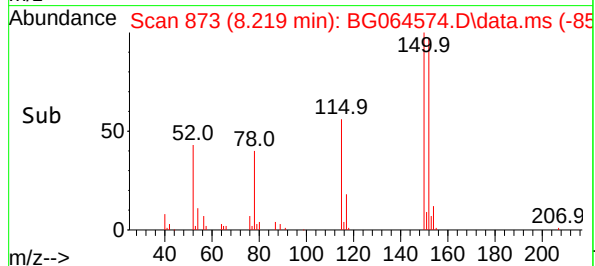
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



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

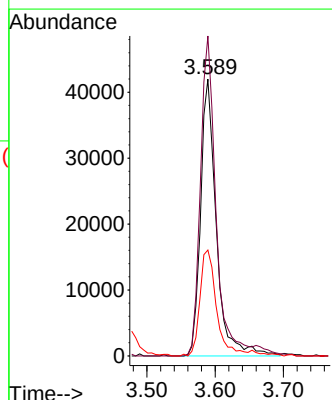
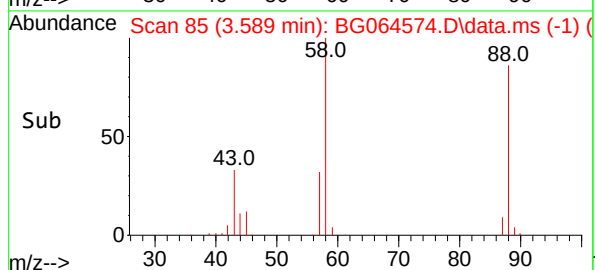
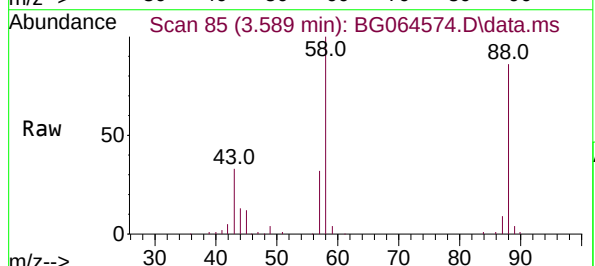
Manual Integrations
APPROVED

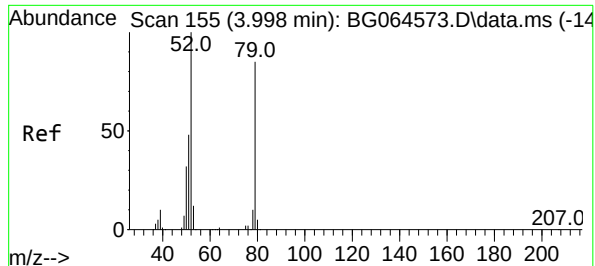
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#2
1,4-Dioxane
Concen: 63.535 ng
RT: 3.589 min Scan# 85
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

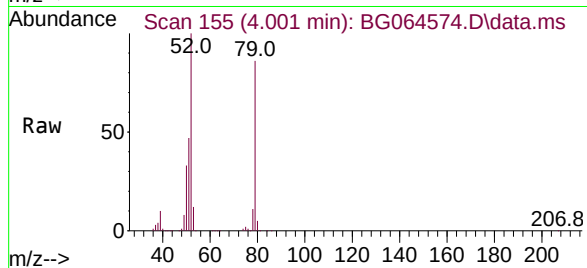
Tgt Ion: 88 Resp: 67487
Ion Ratio Lower Upper
88 100
58 113.3 92.4 138.6
43 40.0 33.0 49.6





#3
Pyridine
Concen: 65.637 ng
RT: 4.001 min Scan# 11
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

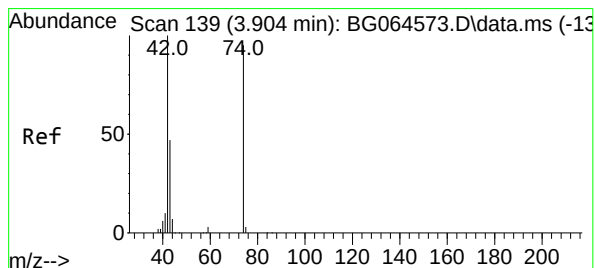
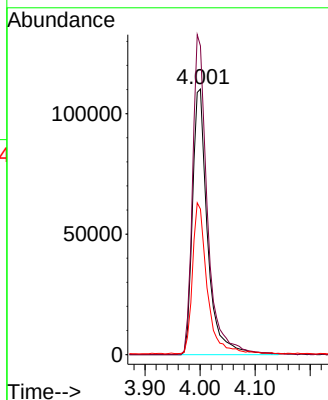
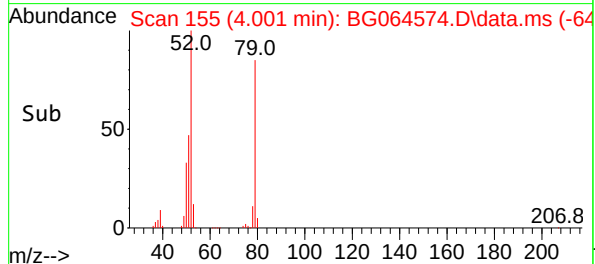
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion: 79 Resp: 209372
Ion Ratio Lower Upper
79 100
52 116.3 94.2 141.2
51 54.8 46.1 69.1

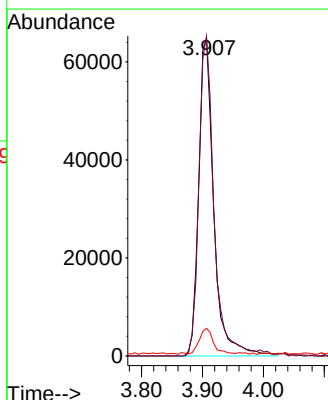
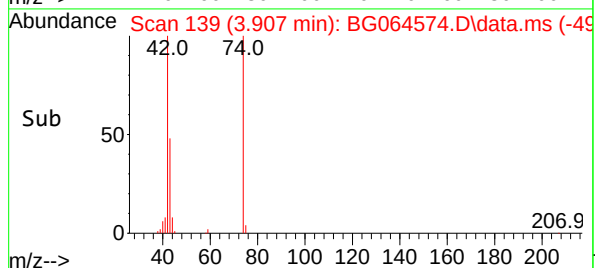
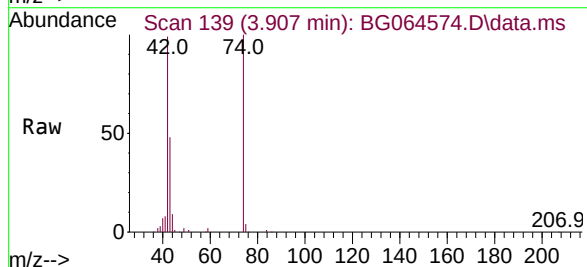
Manual Integrations
APPROVED

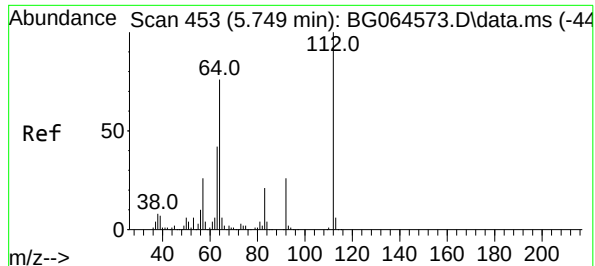
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#4
n-Nitrosodimethylamine
Concen: 65.071 ng
RT: 3.907 min Scan# 139
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

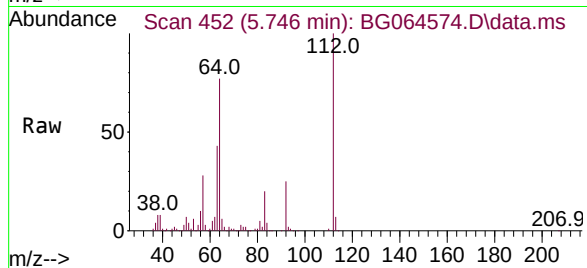
Tgt Ion: 42 Resp: 111310
Ion Ratio Lower Upper
42 100
74 100.7 76.1 114.1
44 8.7 6.3 9.5





#5
2-Fluorophenol
Concen: 132.728 ng
RT: 5.746 min Scan# 453
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

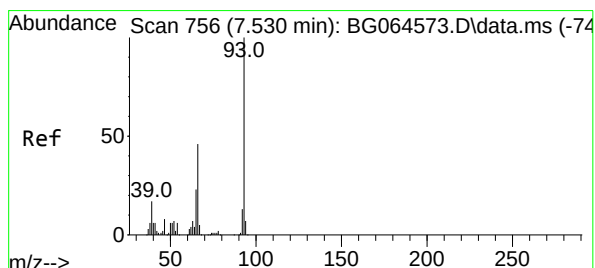
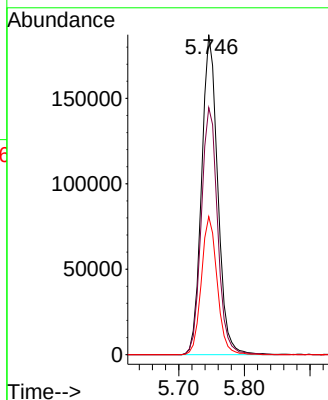
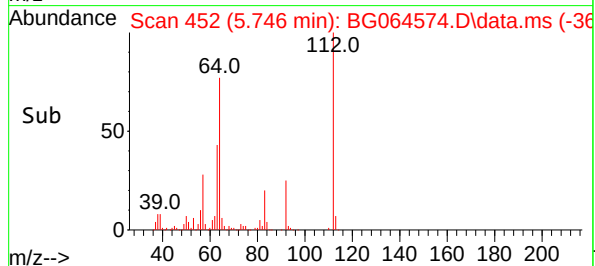
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion: 112 Resp: 318446
Ion Ratio Lower Upper
112 100
64 77.2 60.7 91.1
63 43.1 33.4 50.0

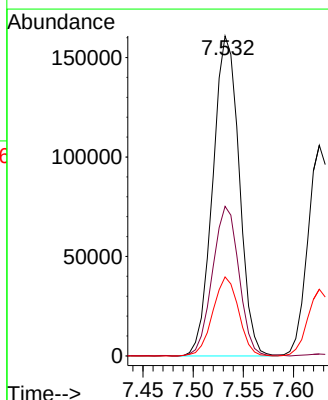
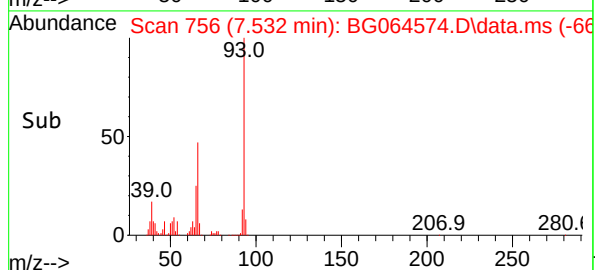
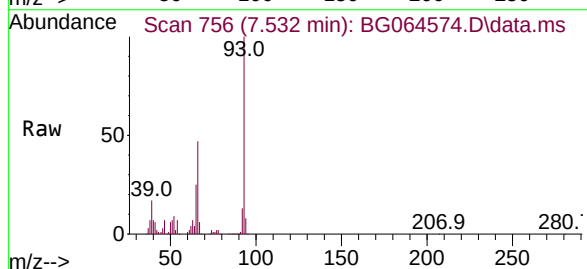
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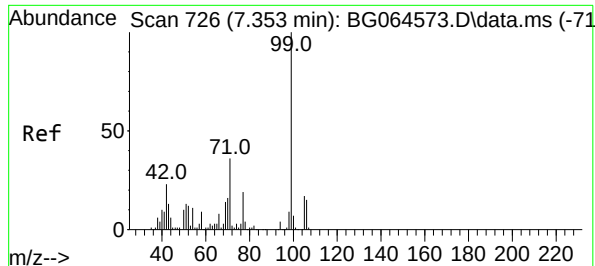
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#6
Aniline
Concen: 65.803 ng
RT: 7.532 min Scan# 756
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

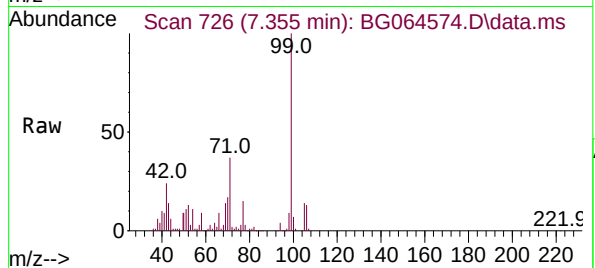
Tgt Ion: 93 Resp: 294791
Ion Ratio Lower Upper
93 100
66 46.7 37.0 55.6
65 24.7 18.3 27.5





#7
Phenol-d6
Concen: 136.821 ng
RT: 7.355 min Scan# 726
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

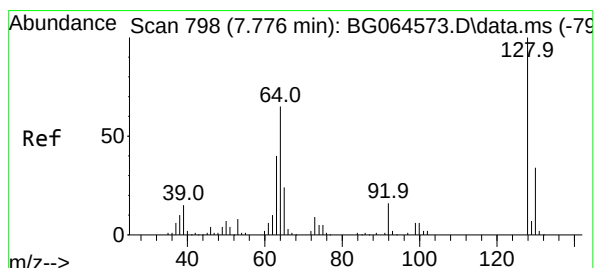
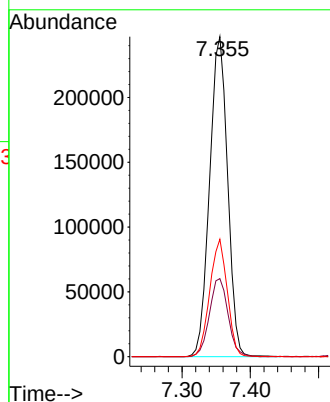
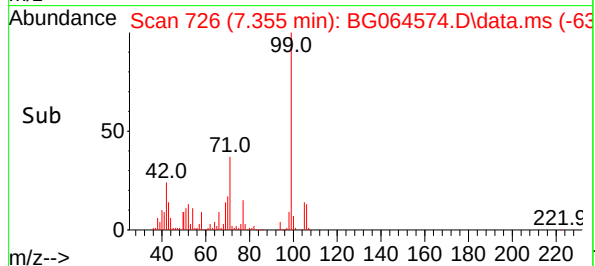
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion: 99 Resp: 450449
Ion Ratio Lower Upper
99 100
42 24.4 18.3 27.5
71 36.7 28.6 43.0

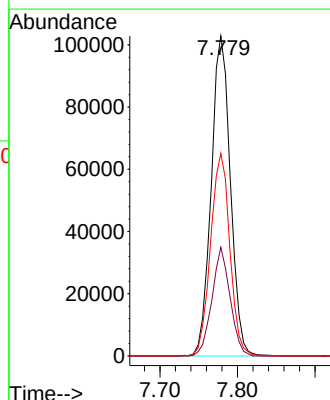
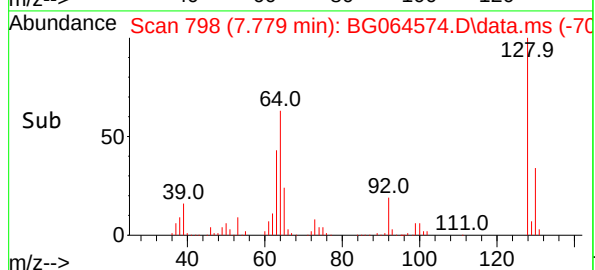
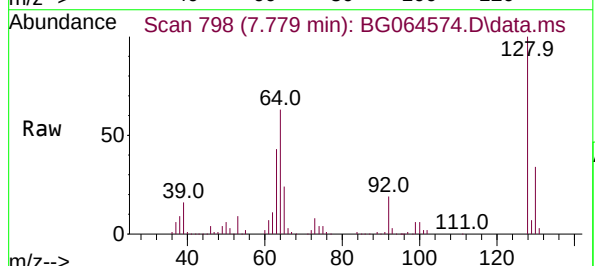
Manual Integrations
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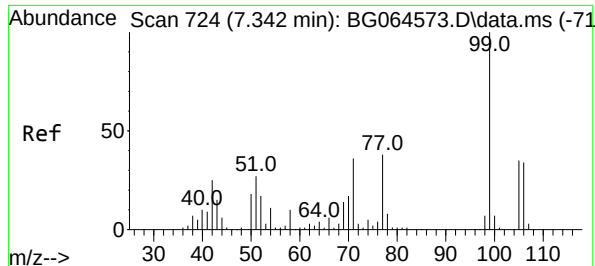
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#8
2-Chlorophenol
Concen: 70.297 ng
RT: 7.779 min Scan# 798
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:128 Resp: 176533
Ion Ratio Lower Upper
128 100
130 33.9 13.5 53.5
64 63.3 45.2 85.2





#9

Benzaldehyde

Concen: 65.963 ng

RT: 7.344 min Scan# 71

Delta R.T. 0.005 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion: 77 Resp: 118559

Ion Ratio Lower Upper

77 100

105 95.2 72.9 112.9

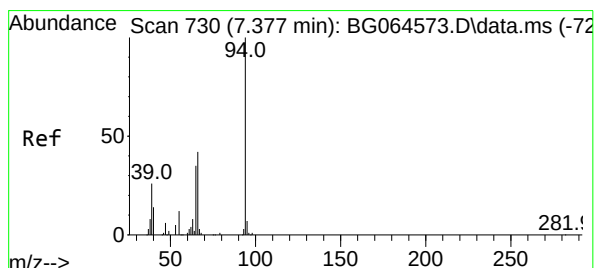
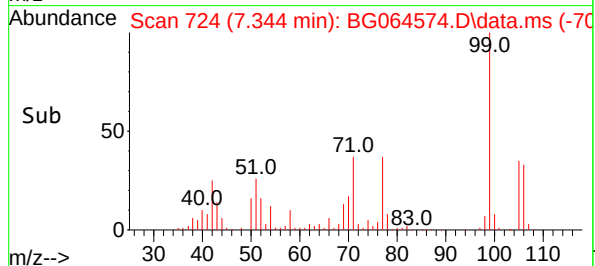
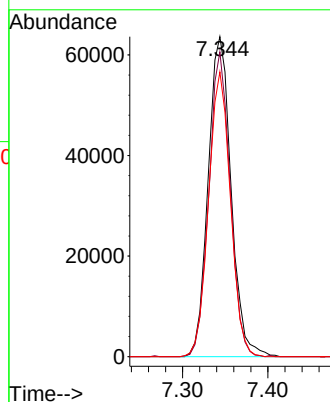
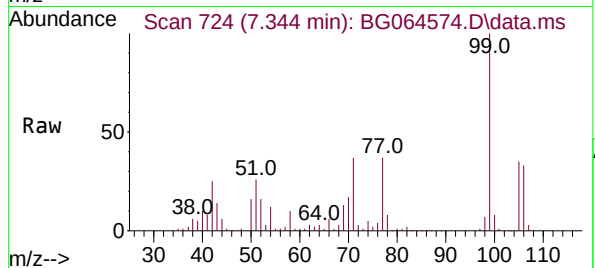
106 89.0 70.8 110.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#10

Phenol

Concen: 67.267 ng

RT: 7.379 min Scan# 730

Delta R.T. -0.007 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

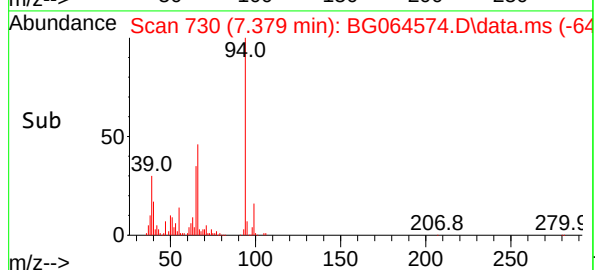
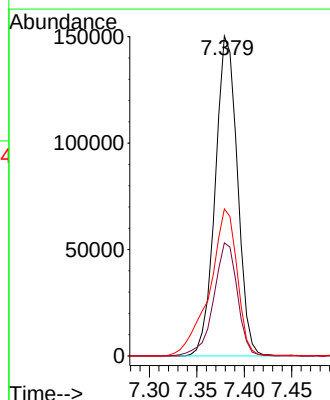
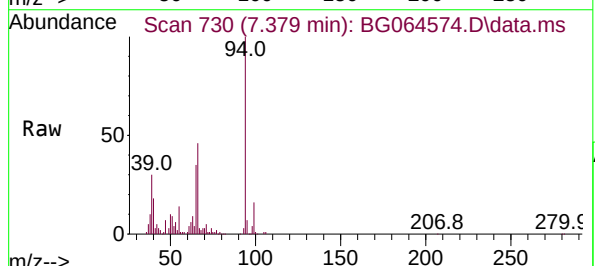
Tgt Ion: 94 Resp: 244914

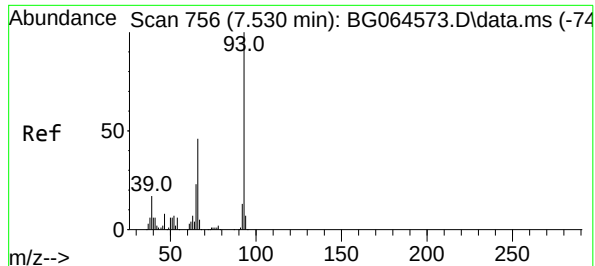
Ion Ratio Lower Upper

94 100

65 35.3 15.8 55.8

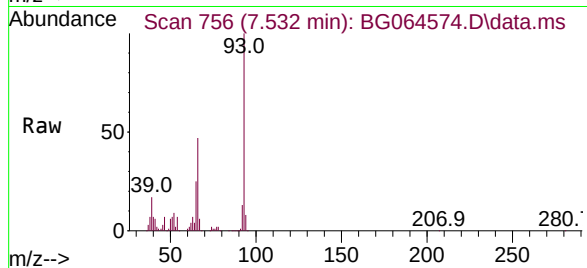
66 45.9 24.0 64.0





#11
bis(2-Chloroethyl)ether
Concen: 65.803 ng
RT: 7.532 min Scan# 756
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

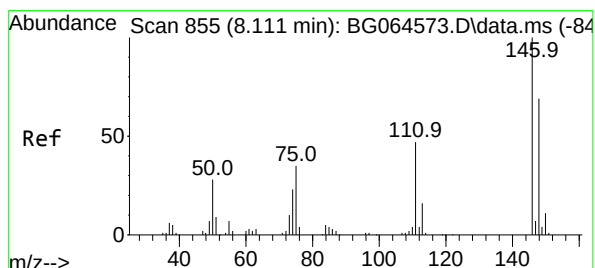
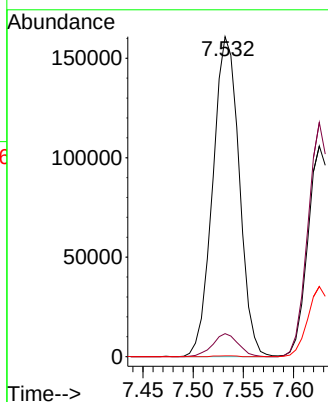
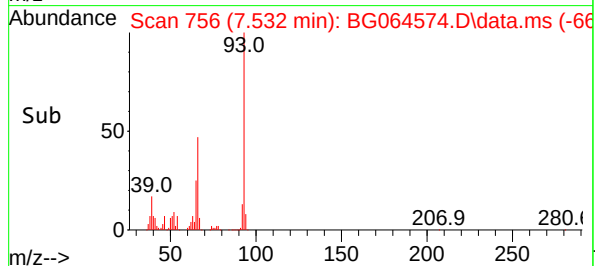
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



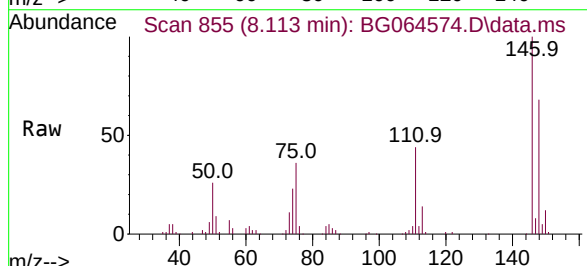
Tgt Ion: 93 Resp: 294791
Ion Ratio Lower Upper
93 100
63 7.2 0.0 27.4
95 0.2 0.0 20.2

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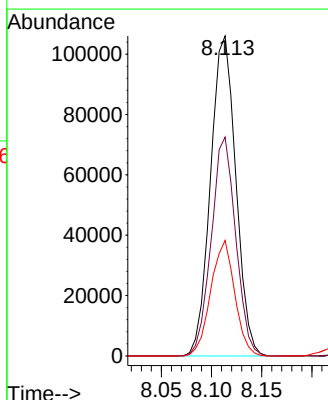
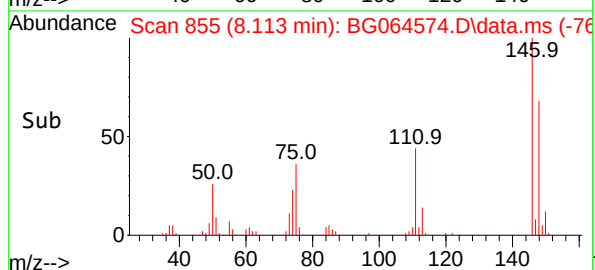
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

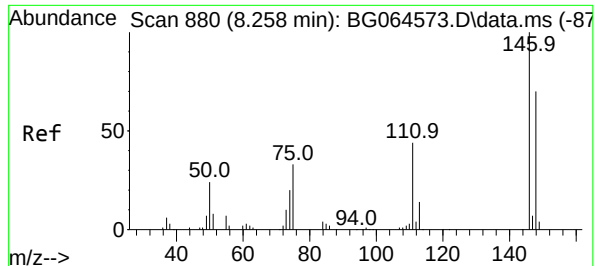


#12
1,3-Dichlorobenzene
Concen: 64.452 ng
RT: 8.113 min Scan# 855
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



Tgt Ion:146 Resp: 186290
Ion Ratio Lower Upper
146 100
148 68.4 55.3 82.9
75 36.1 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 64.157 ng

RT: 8.254 min Scan# 81

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:146 Resp: 188553

Ion Ratio Lower Upper

146 100

148 65.5 56.2 84.4

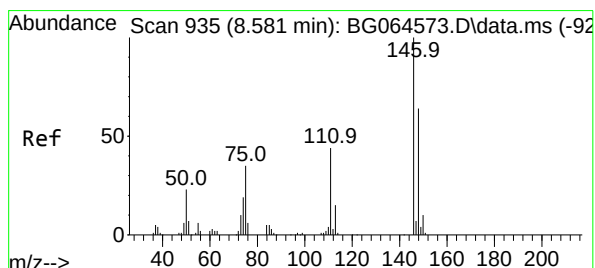
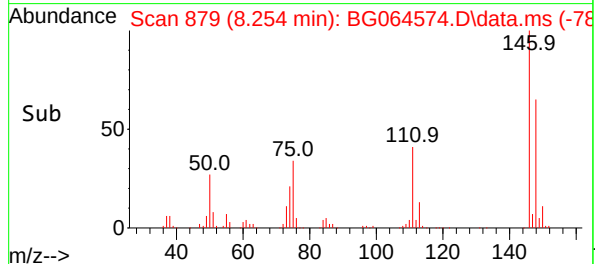
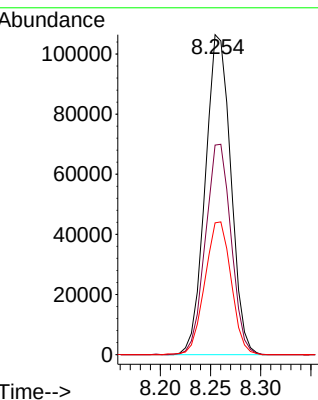
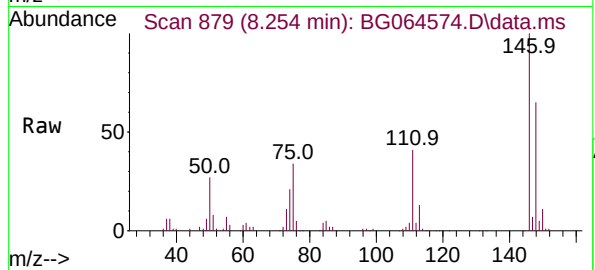
111 41.2 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#14

1,2-Dichlorobenzene

Concen: 64.766 ng

RT: 8.583 min Scan# 935

Delta R.T. 0.005 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

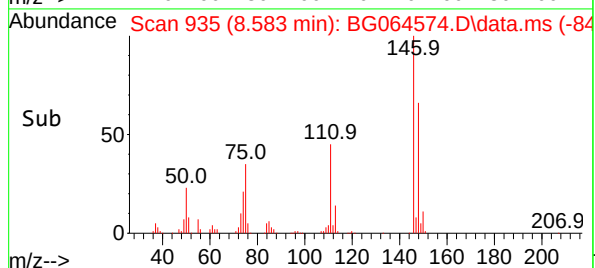
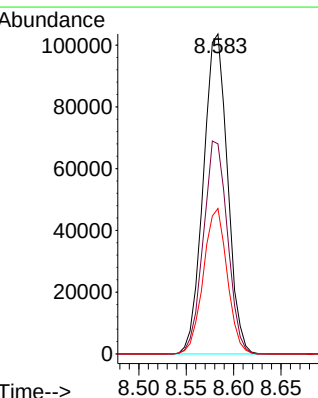
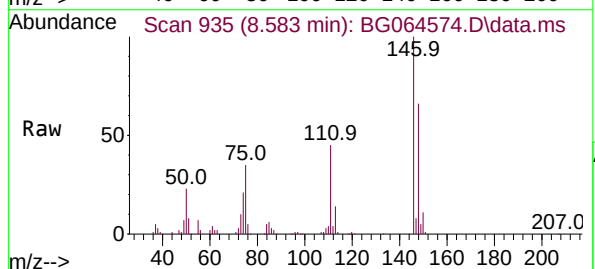
Tgt Ion:146 Resp: 183593

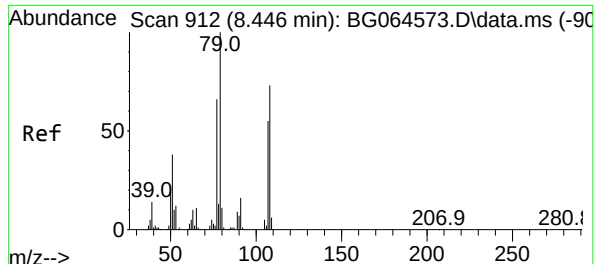
Ion Ratio Lower Upper

146 100

148 65.6 51.5 77.3

111 45.4 35.0 52.6





#15

Benzyl Alcohol

Concen: 68.201 ng

RT: 8.448 min Scan# 912

Delta R.T. -0.007 min

Lab File: BG064574.D

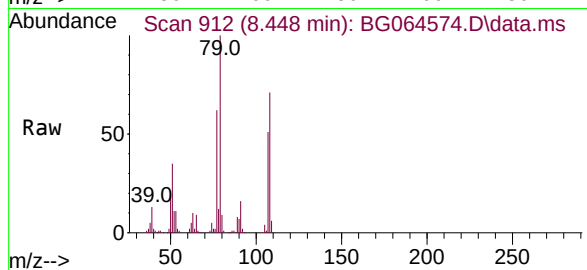
Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060



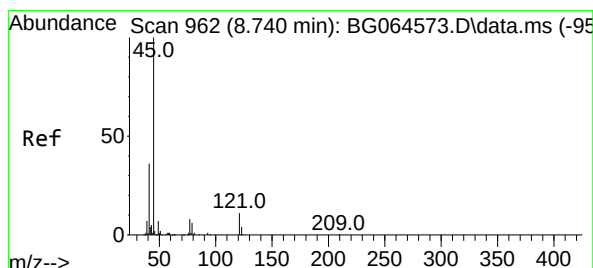
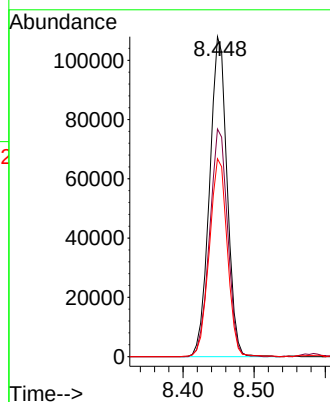
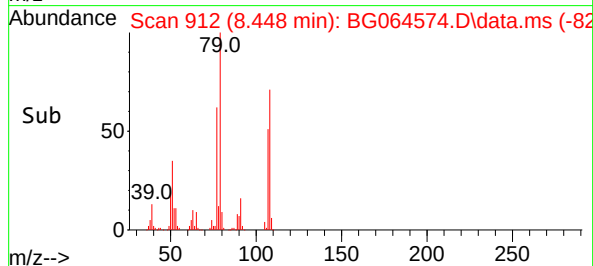
Tgt Ion: 79	Resp: 18515
Ion Ratio	Lower Upper
79	100
108	71.1 58.1 87.1
77	61.8 52.8 79.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#16

2,2'-oxybis(1-Chloropropane)

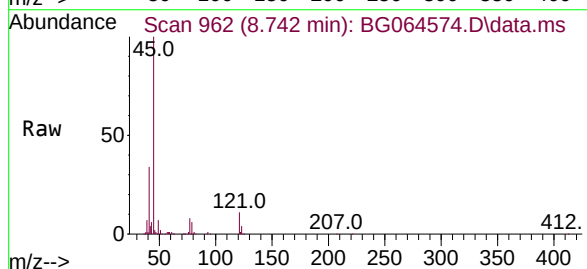
Concen: 65.410 ng

RT: 8.742 min Scan# 962

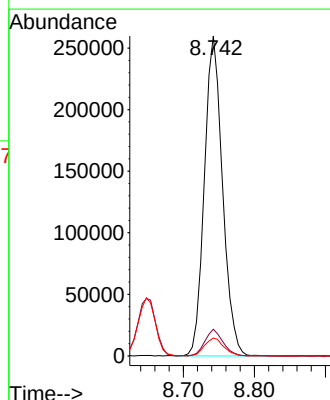
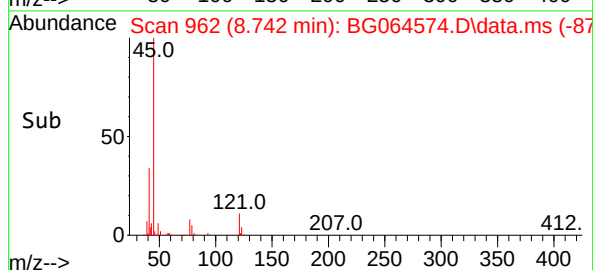
Delta R.T. -0.001 min

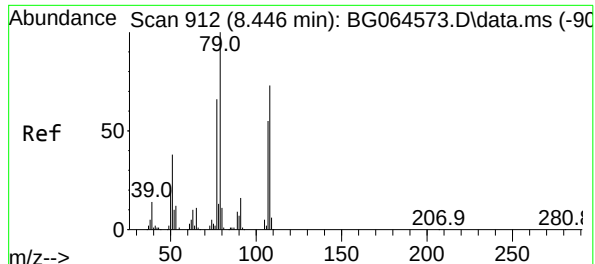
Lab File: BG064574.D

Acq: 24 Oct 2025 13:44



Tgt Ion: 45	Resp: 459295
Ion Ratio	Lower Upper
45	100
77	8.3 0.0 28.5
79	5.6 0.0 25.6





#17

2-Methylphenol

Concen: 70.639 ng

RT: 8.448 min Scan# 912

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:107 Resp: 95860

Ion Ratio Lower Upper

107 100

108 139.2 106.4 159.6

77 121.0 96.7 145.1

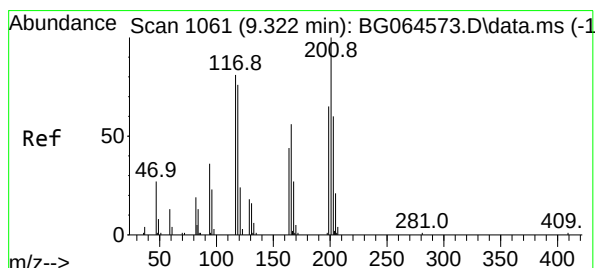
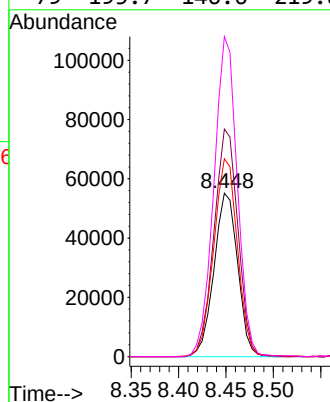
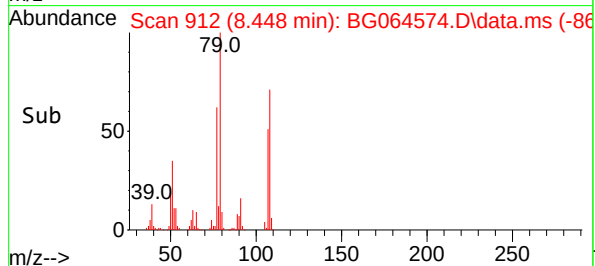
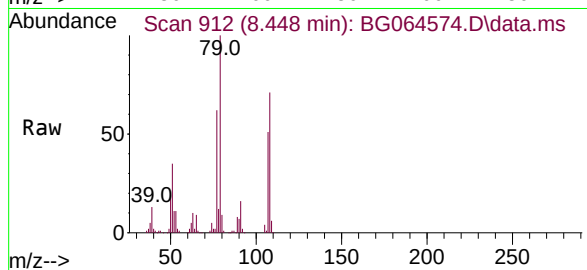
79 195.7 146.6 219.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#18

Hexachloroethane

Concen: 65.193 ng

RT: 9.324 min Scan# 1061

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

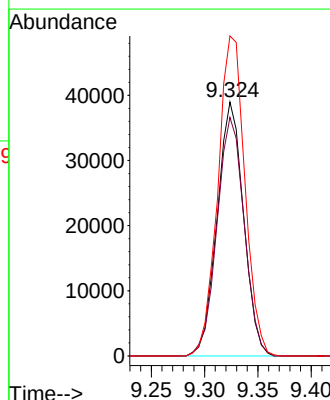
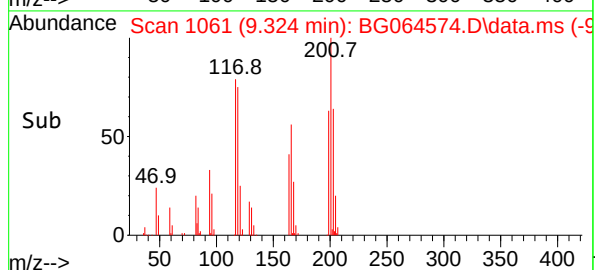
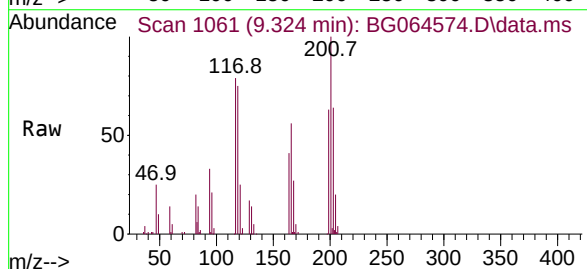
Tgt Ion:117 Resp: 67237

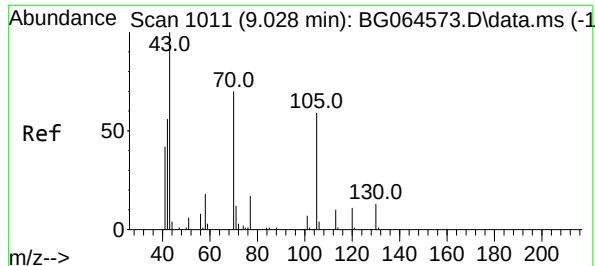
Ion Ratio Lower Upper

117 100

119 93.9 75.4 113.2

201 126.1 99.2 148.8





#19

n-Nitroso-di-n-propylamine

Concen: 68.424 ng

RT: 9.030 min Scan# 1011

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion: 70 Resp: 155683

Ion Ratio Lower Upper

70 100

42 80.9 65.2 97.8

101 9.4 7.9 11.9

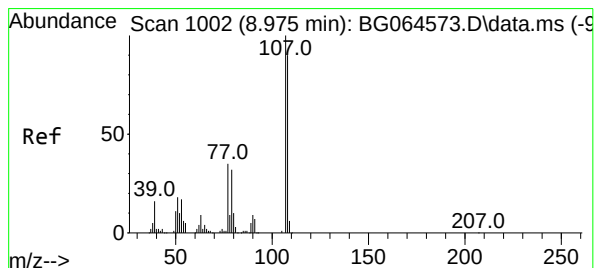
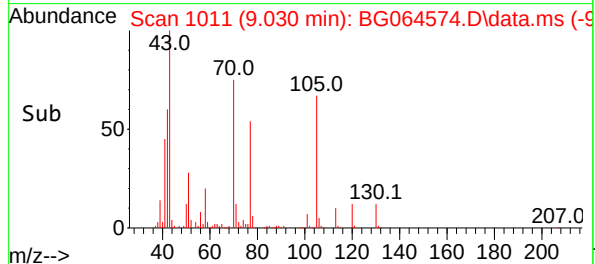
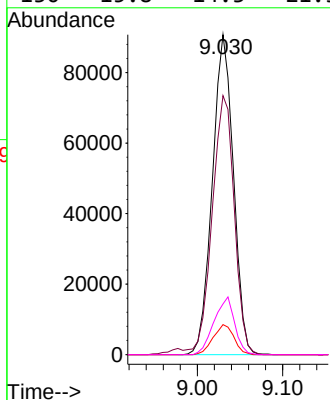
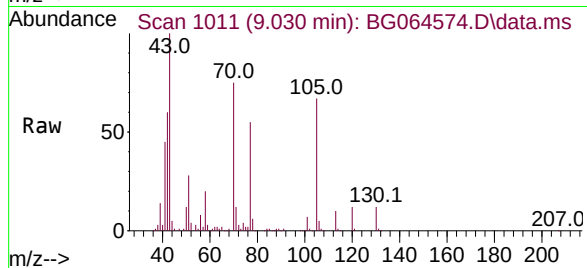
130 15.8 14.3 21.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#20

3+4-Methylphenols

Concen: 67.359 ng

RT: 8.983 min Scan# 1003

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Tgt Ion:107 Resp: 228995

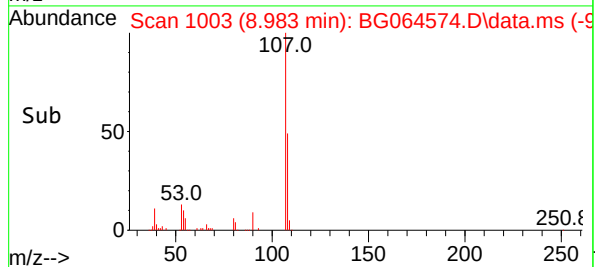
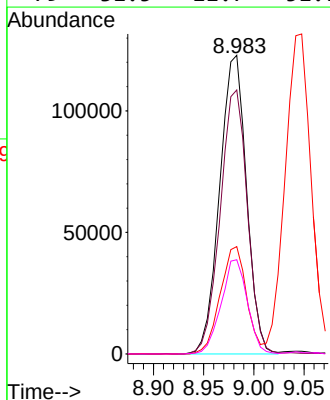
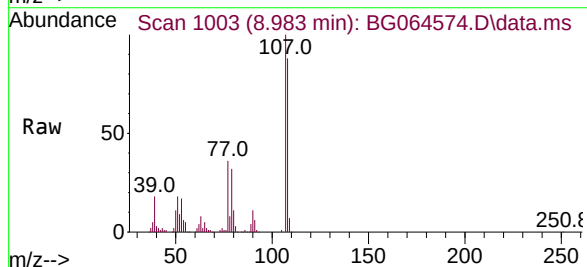
Ion Ratio Lower Upper

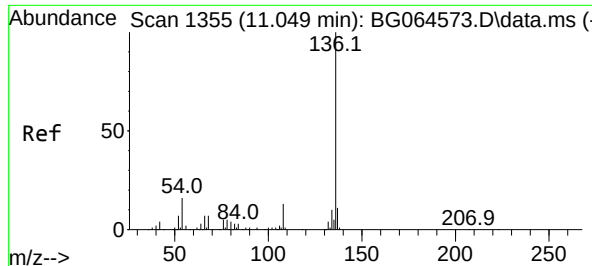
107 100

108 88.4 70.3 110.3

77 35.9 14.6 54.6

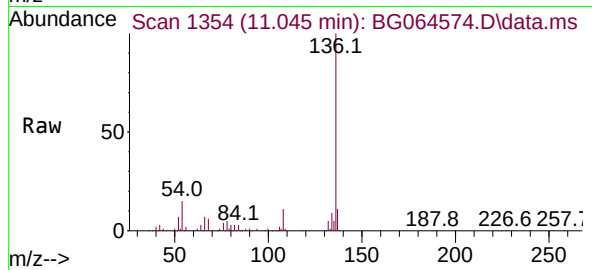
79 31.5 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1355
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

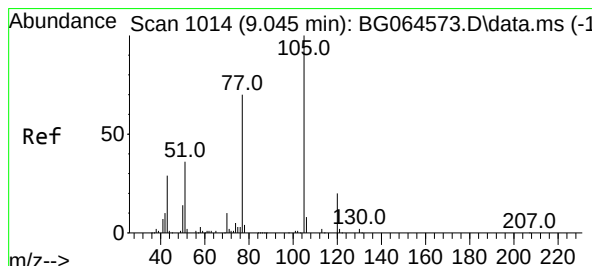
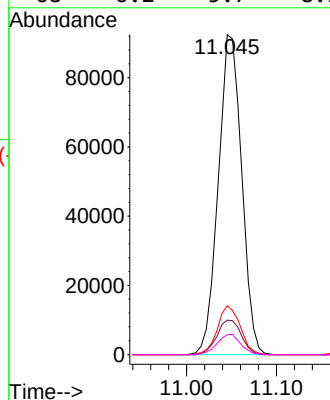
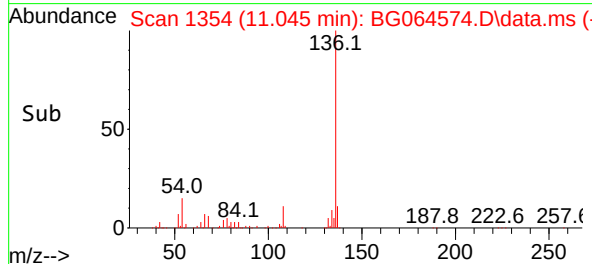
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:136 Resp: 168005
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

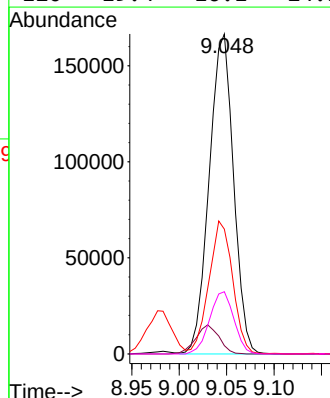
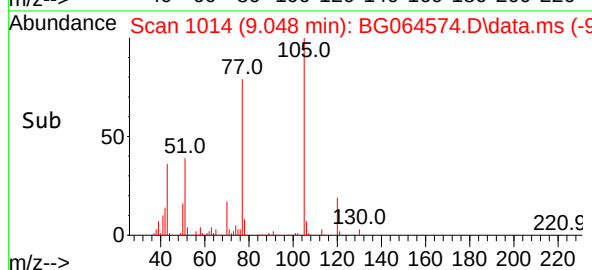
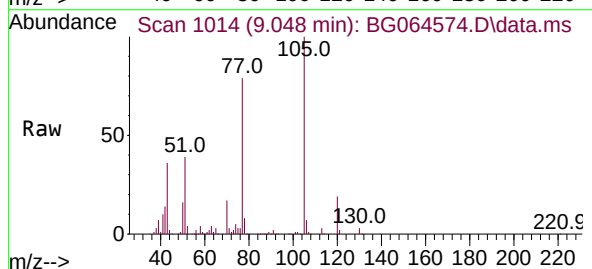
Manual Integrations
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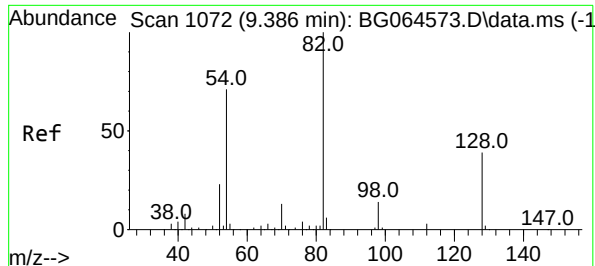
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#22
Acetophenone
Concen: 64.759 ng
RT: 9.048 min Scan# 1014
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:105 Resp: 297413
Ion Ratio Lower Upper
105 100
71 2.6 1.5 2.3#
51 39.0 33.7 50.5
120 19.4 16.1 24.1





#23

Nitrobenzene-d5

Concen: 145.243 ng

RT: 9.388 min Scan# 1072

Delta R.T. -0.002 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 406268

Ion Ratio Lower Upper

82 100

128 38.5 31.3 46.9

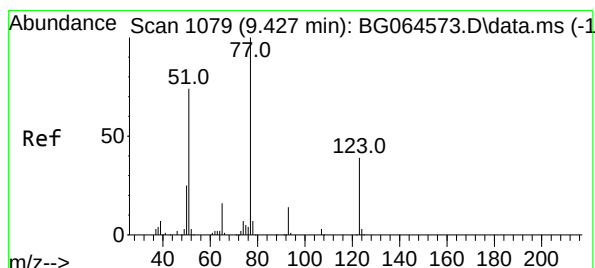
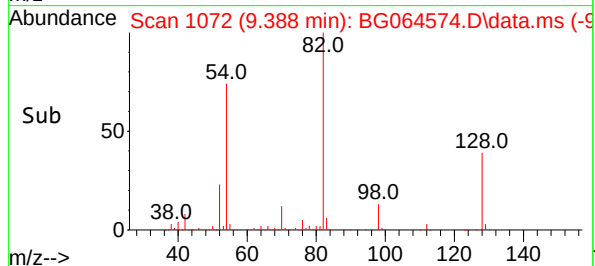
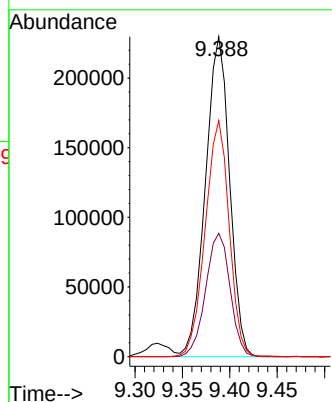
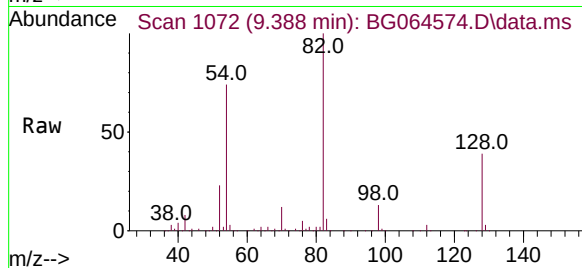
54 73.8 56.6 84.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#24

Nitrobenzene

Concen: 72.567 ng

RT: 9.430 min Scan# 1079

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

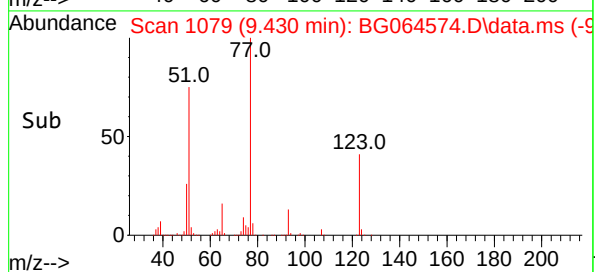
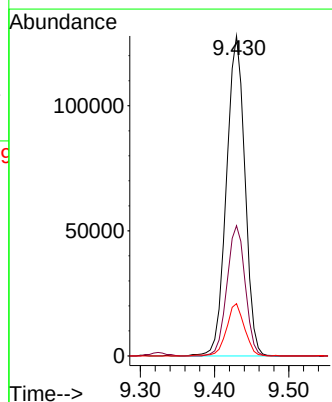
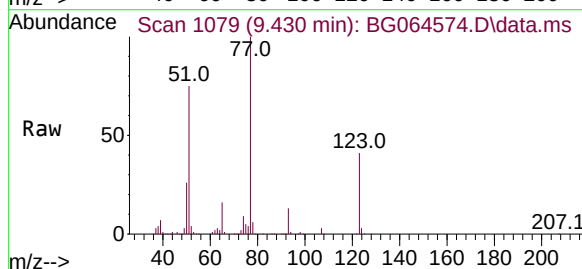
Tgt Ion: 77 Resp: 220774

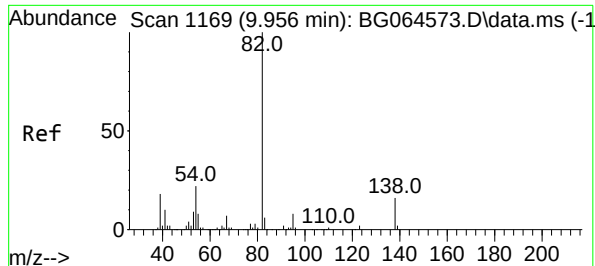
Ion Ratio Lower Upper

77 100

123 40.7 31.0 46.6

65 16.3 12.7 19.1





#25

Isophorone

Concen: 66.940 ng

RT: 9.958 min Scan# 1169

Delta R.T. -0.008 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion: 82 Resp: 449298

Ion Ratio Lower Upper

82 100

95 7.3 6.1 9.1

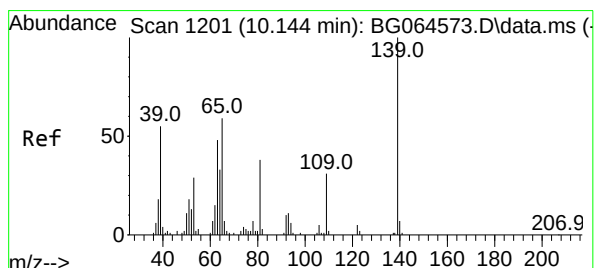
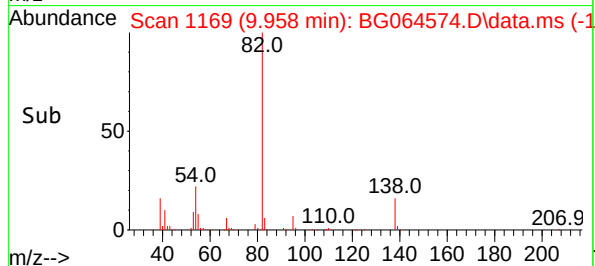
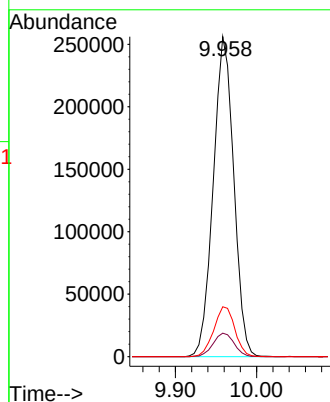
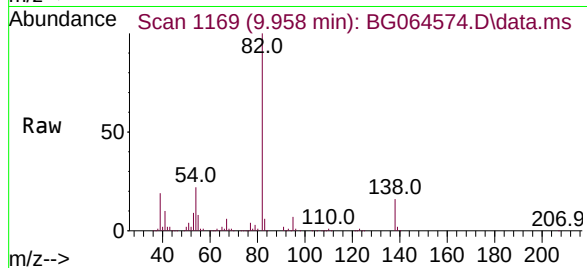
138 15.6 13.0 19.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#26

2-Nitrophenol

Concen: 63.945 ng

RT: 10.146 min Scan# 1201

Delta R.T. -0.002 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

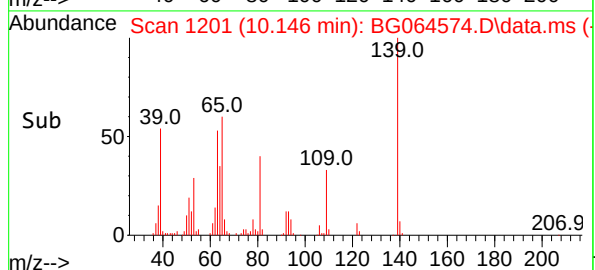
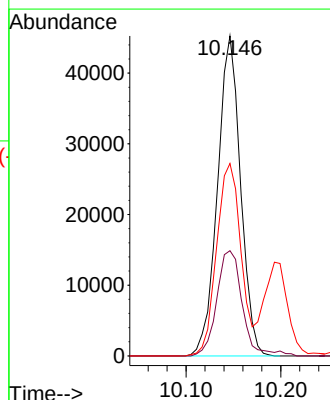
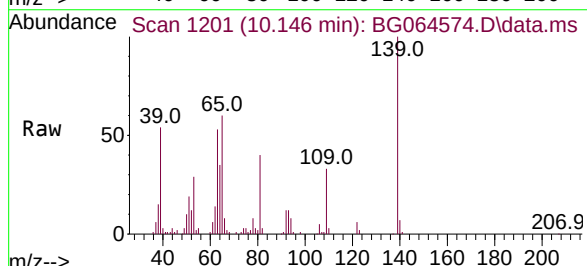
Tgt Ion:139 Resp: 76368

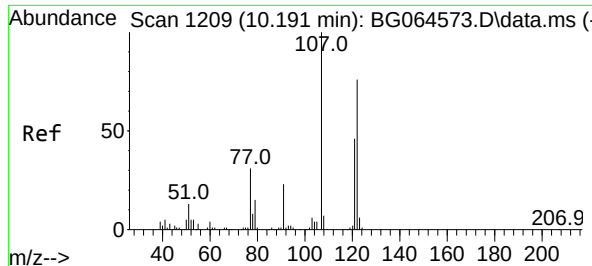
Ion Ratio Lower Upper

139 100

109 32.9 24.6 37.0

65 60.1 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 71.099 ng m

RT: 10.193 min Scan# 1209

Delta R.T. -0.001 min

Lab File: BG064574.D

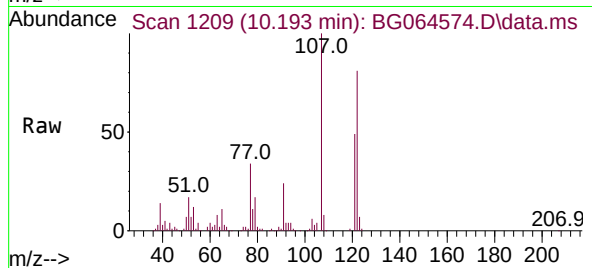
Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060



Tgt Ion:122 Resp: 181063

Ion Ratio Lower Upper

122 100

107 123.8 103.0 154.4

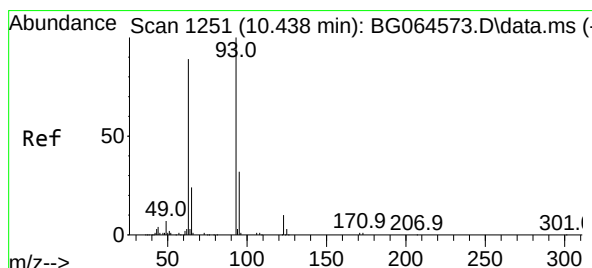
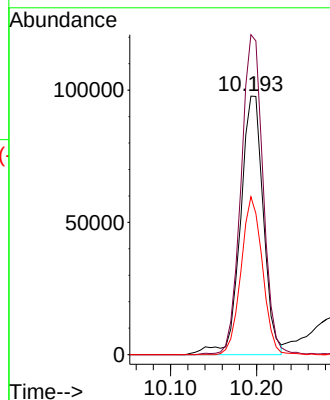
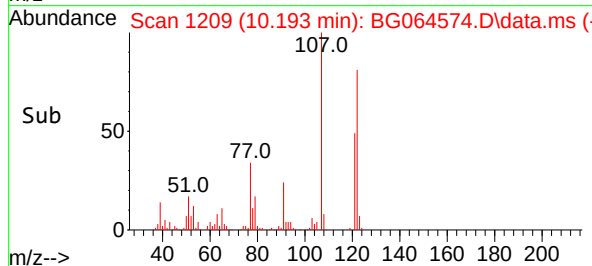
121 61.1 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#28

bis(2-Chloroethoxy)methane

Concen: 65.078 ng

RT: 10.440 min Scan# 1251

Delta R.T. 0.005 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

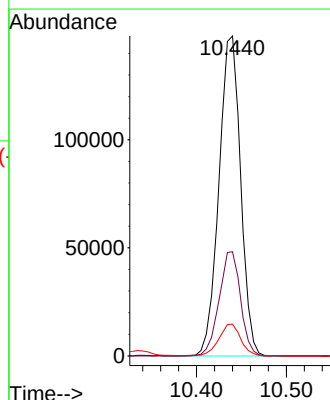
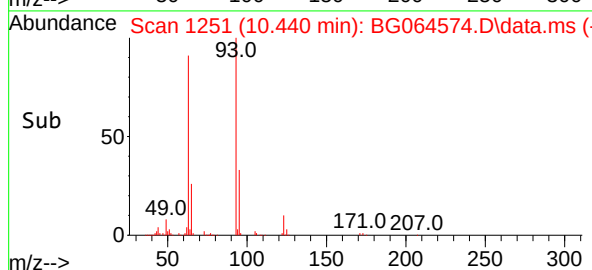
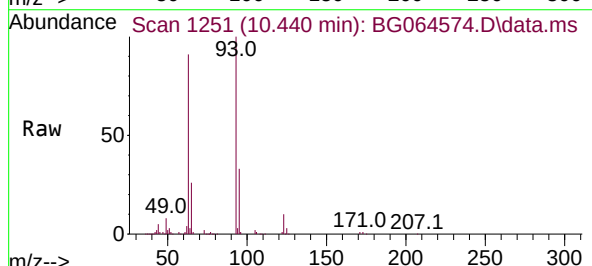
Tgt Ion: 93 Resp: 248699

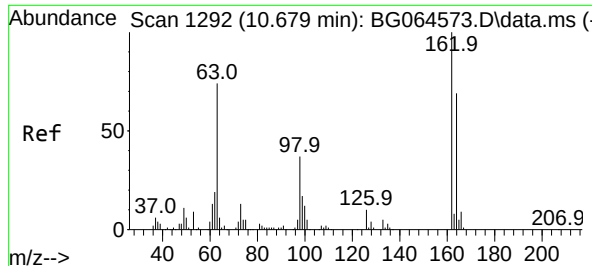
Ion Ratio Lower Upper

93 100

95 32.5 25.4 38.2

123 9.9 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 70.056 ng

RT: 10.681 min Scan# 1292

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:162 Resp: 188233

Ion Ratio Lower Upper

162 100

164 64.9 48.7 88.7

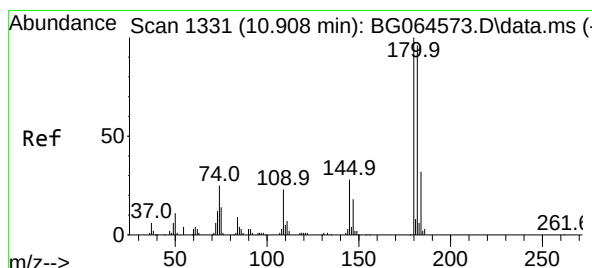
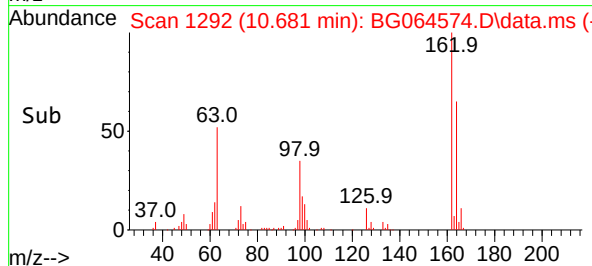
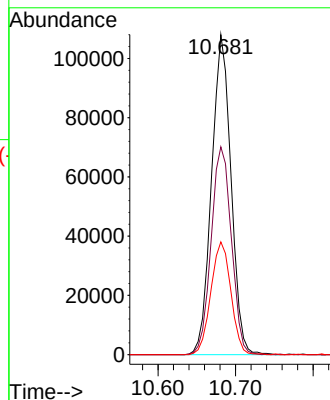
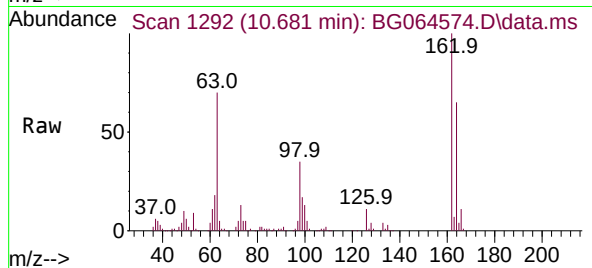
98 35.2 16.9 56.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#30

1,2,4-Trichlorobenzene

Concen: 65.837 ng

RT: 10.904 min Scan# 1330

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

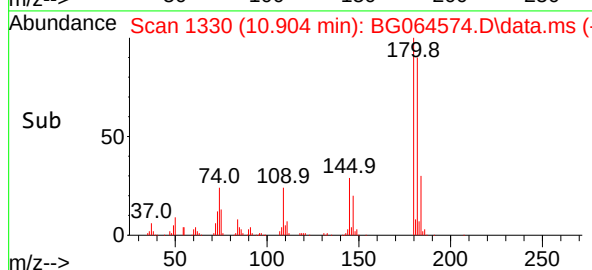
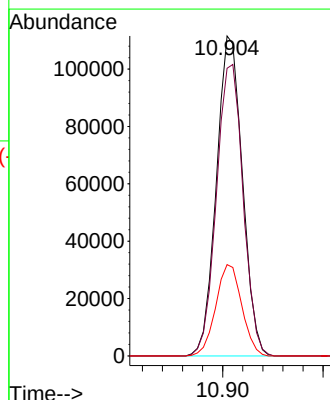
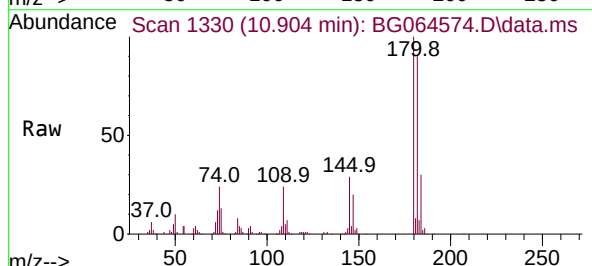
Tgt Ion:180 Resp: 200988

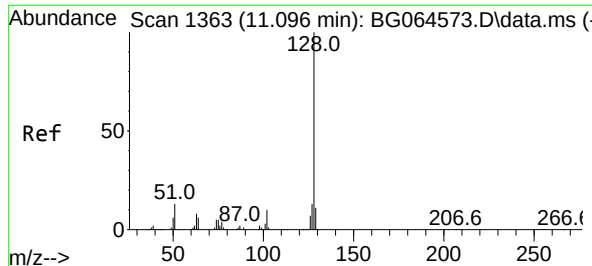
Ion Ratio Lower Upper

180 100

182 89.9 76.9 115.3

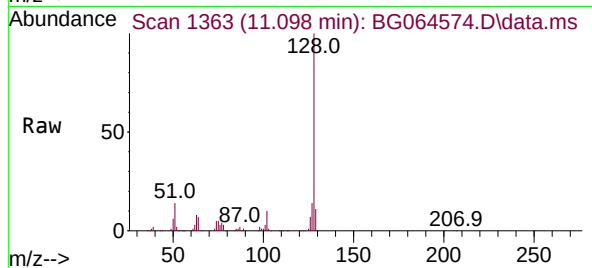
145 28.5 22.1 33.1





#31
Naphthalene
Concen: 64.976 ng
RT: 11.098 min Scan# 1363
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

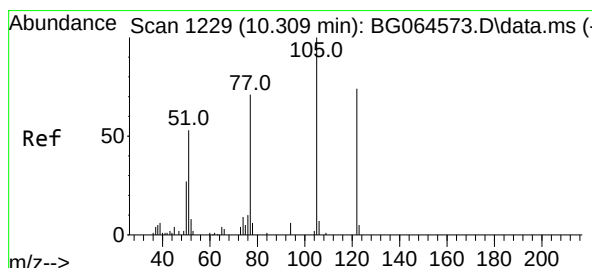
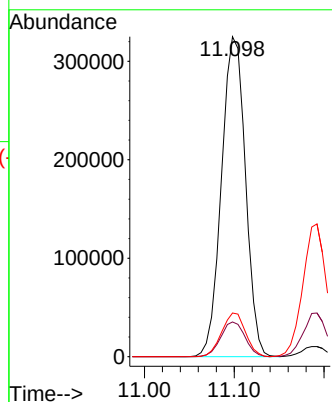
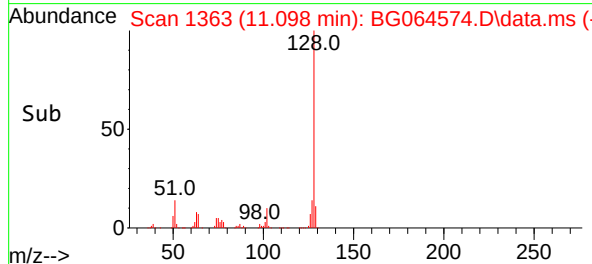
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:128 Resp: 605239
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.6 10.6 15.8

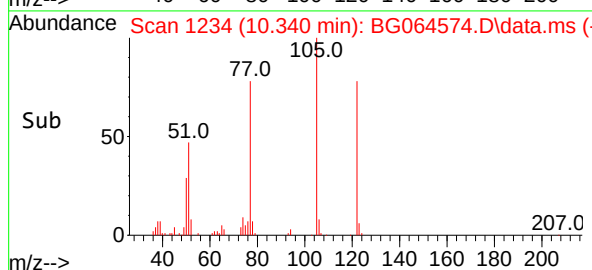
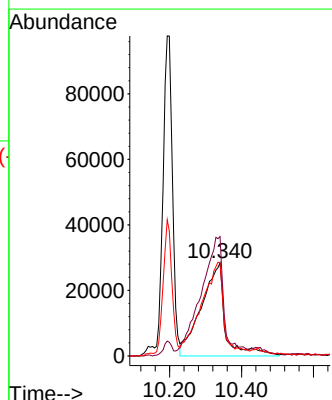
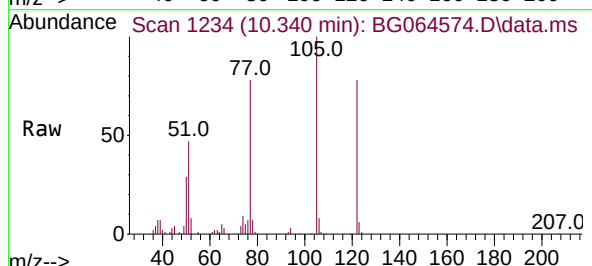
Manual Integrations
APPROVED

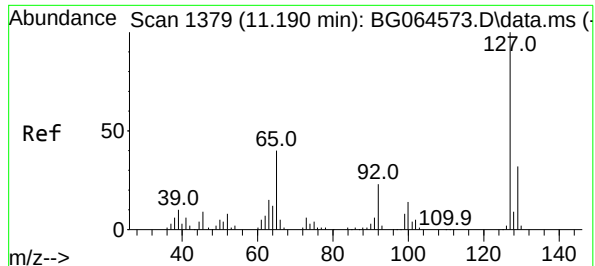
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#32
Benzoic acid
Concen: 68.067 ng m
RT: 10.340 min Scan# 1234
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:122 Resp: 131162
Ion Ratio Lower Upper
122 100
105 128.3 104.2 144.2
77 99.8 70.2 110.2





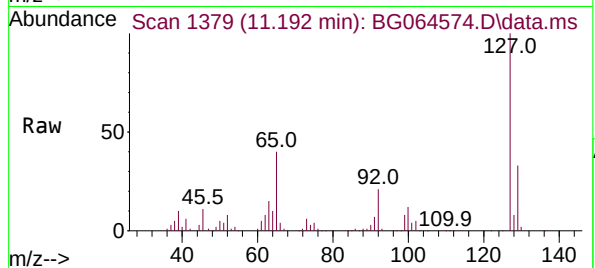
#33
4-Chloroaniline
Concen: 67.699 ng
RT: 11.192 min Scan# 1379
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

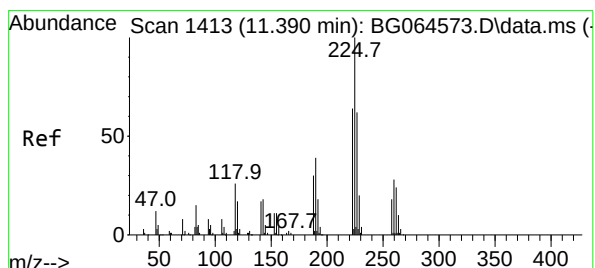
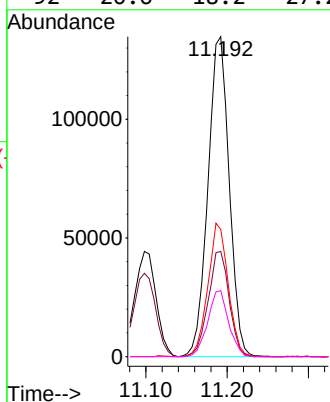
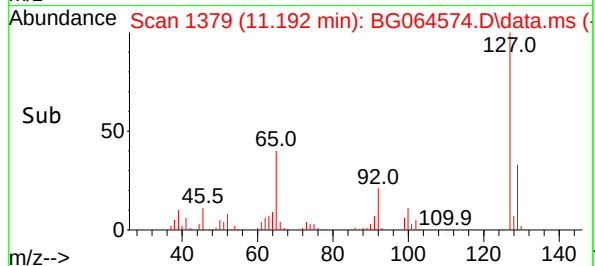


Tgt Ion:127 Resp: 245103
Ion Ratio Lower Upper
127 100
129 32.9 25.5 38.3
65 39.7 32.2 48.4
92 20.6 18.2 27.2

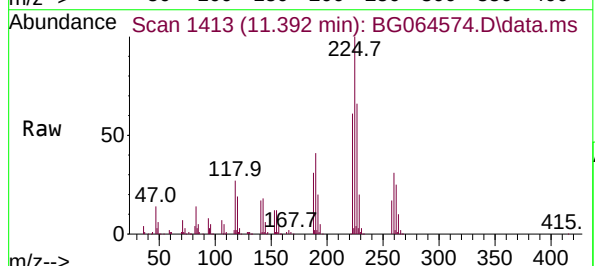
Manual Integrations

APPROVED

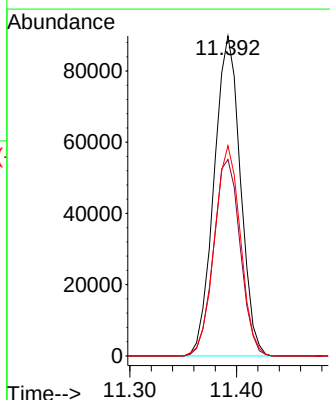
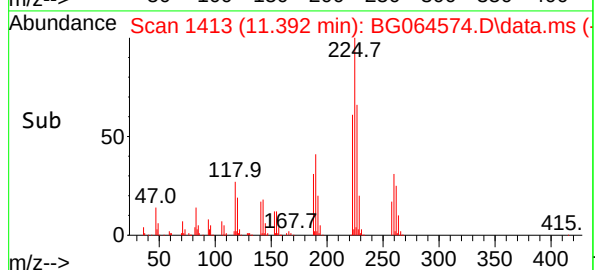
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

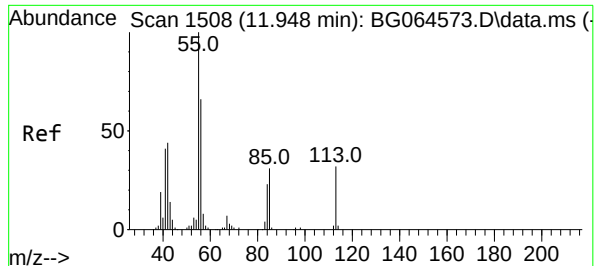


#34
Hexachlorobutadiene
Concen: 64.630 ng
RT: 11.392 min Scan# 1413
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



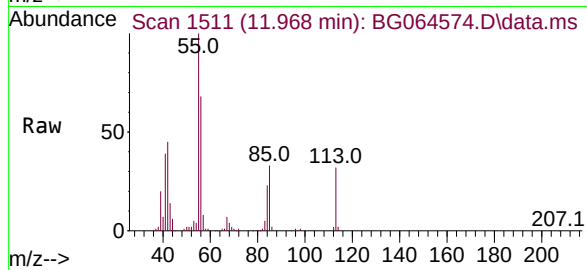
Tgt Ion:225 Resp: 154303
Ion Ratio Lower Upper
225 100
223 61.4 48.8 73.2
227 65.7 49.5 74.3





#35
Caprolactam
Concen: 69.206 ng
RT: 11.968 min Scan# 1511
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

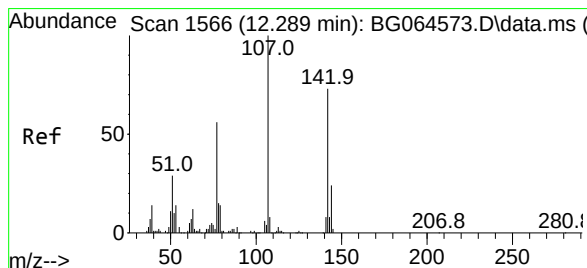
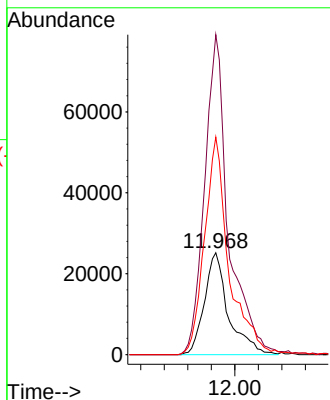
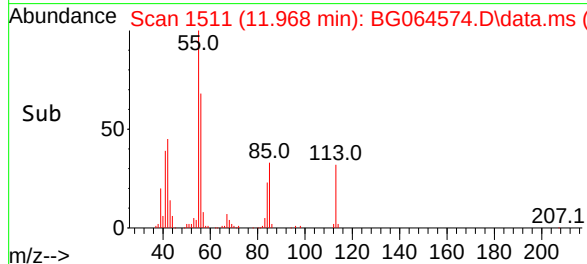
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:113 Resp: 71319
Ion Ratio Lower Upper
113 100
55 314.3 290.1 330.1
56 213.7 183.8 223.8

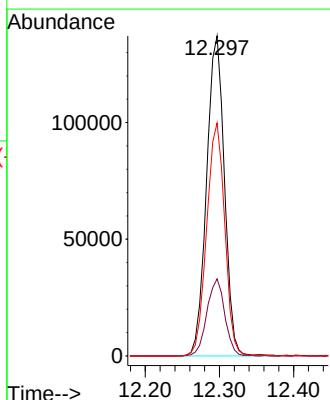
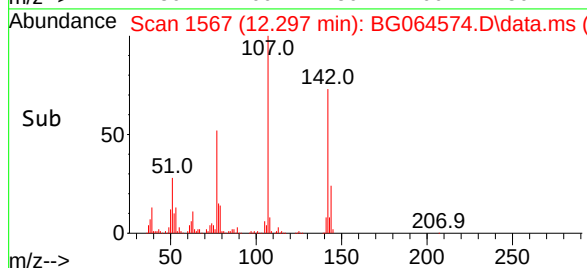
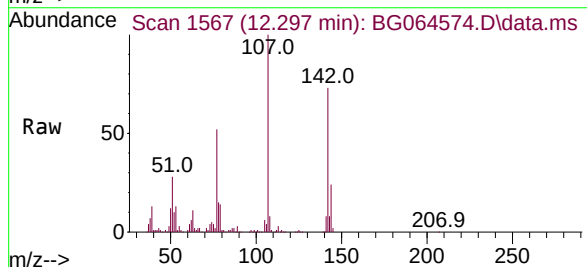
Manual Integrations
APPROVED

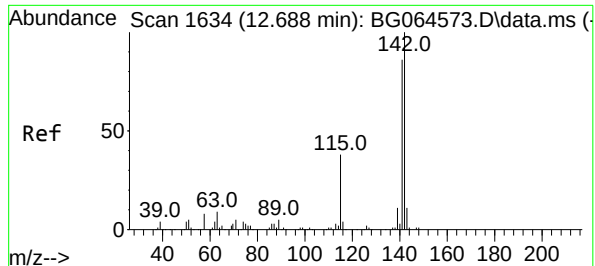
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#36
4-Chloro-3-methylphenol
Concen: 70.853 ng
RT: 12.297 min Scan# 1567
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

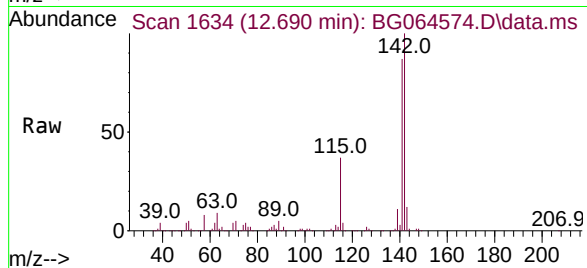
Tgt Ion:107 Resp: 228833
Ion Ratio Lower Upper
107 100
144 24.1 19.1 28.7
142 72.8 58.6 87.8





#37
2-Methylnaphthalene
Concen: 65.435 ng
RT: 12.690 min Scan# 1634
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

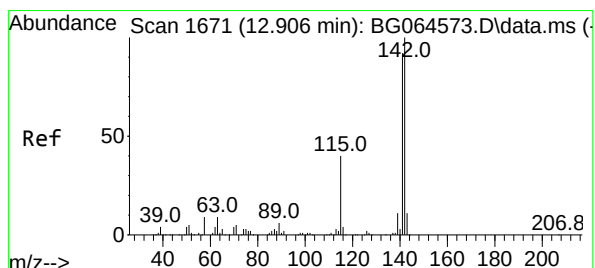
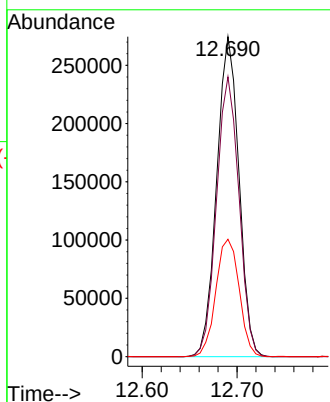
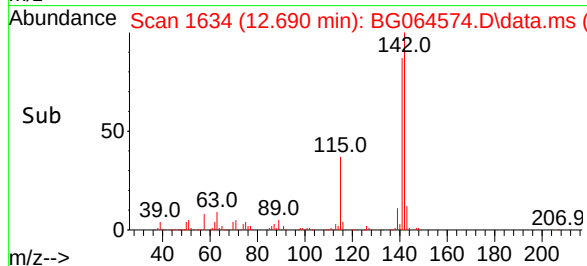
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



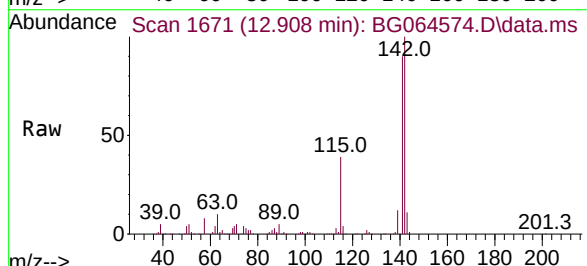
Tgt Ion:142 Resp: 447497
Ion Ratio Lower Upper
142 100
141 87.4 68.9 103.3
115 36.7 30.6 46.0

Manual Integrations
APPROVED

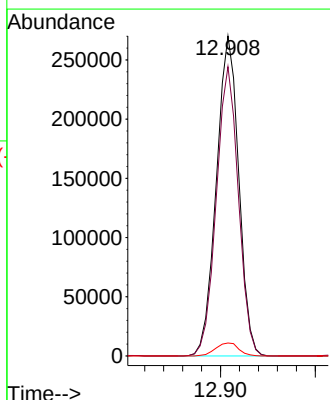
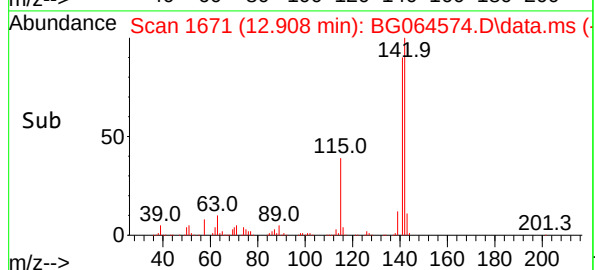
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

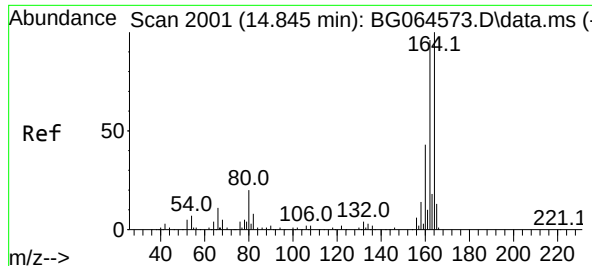


#38
1-Methylnaphthalene
Concen: 65.785 ng
RT: 12.908 min Scan# 1671
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



Tgt Ion:142 Resp: 442677
Ion Ratio Lower Upper
142 100
141 90.4 73.3 109.9
116 4.0 3.1 4.7





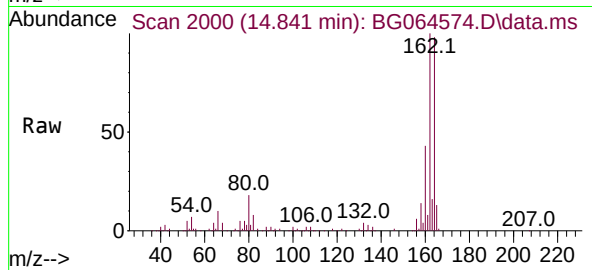
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.841 min Scan# 2001
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

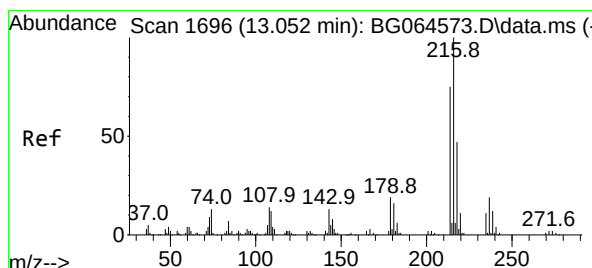
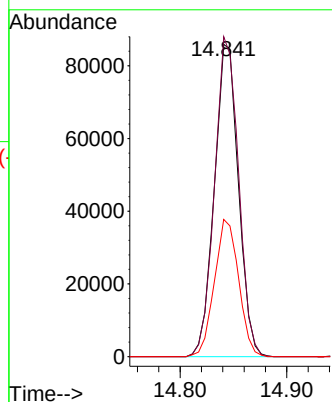
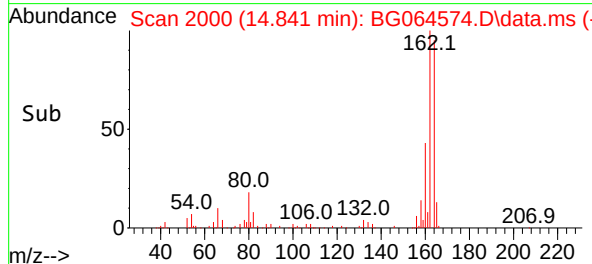


Tgt Ion:164 Resp: 134994
Ion Ratio Lower Upper
164 100
162 102.5 77.0 115.6
160 43.9 34.4 51.6

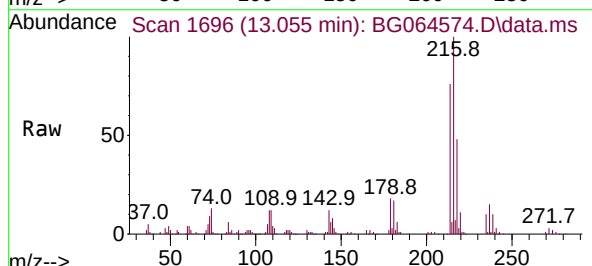
Manual Integrations

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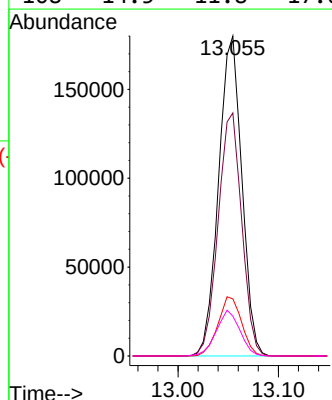
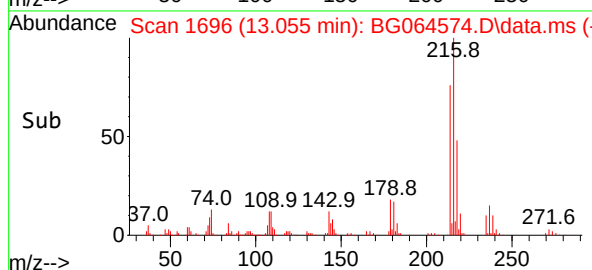
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

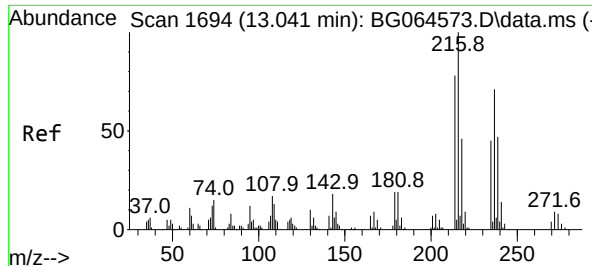


#40
1,2,4,5-Tetrachlorobenzene
Concen: 64.049 ng
RT: 13.055 min Scan# 1696
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



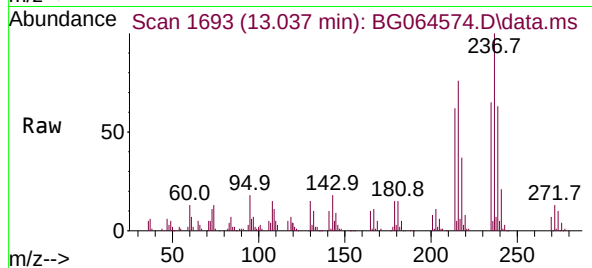
Tgt Ion:216 Resp: 290173
Ion Ratio Lower Upper
216 100
214 77.0 61.4 92.2
179 18.8 15.4 23.0
108 14.5 11.8 17.6





#41
Hexachlorocyclopentadiene
Concen: 67.540 ng
RT: 13.037 min Scan# 1693
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

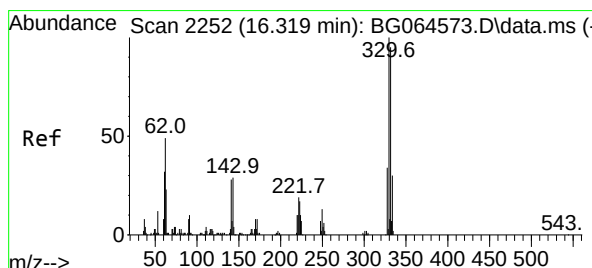
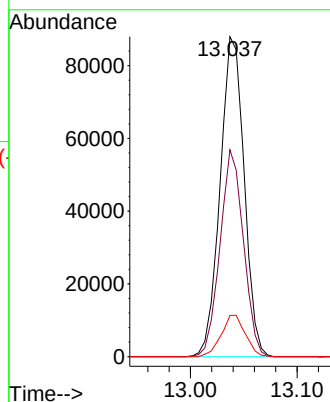
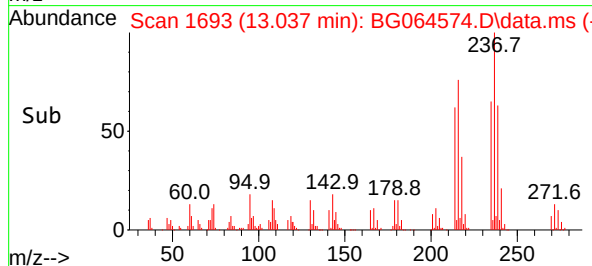
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



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

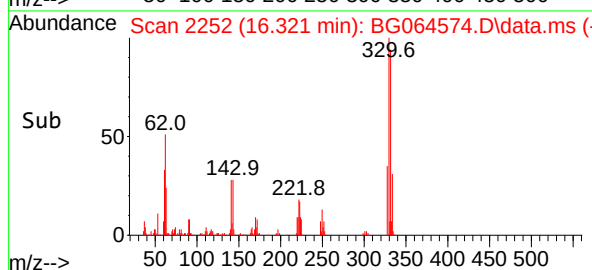
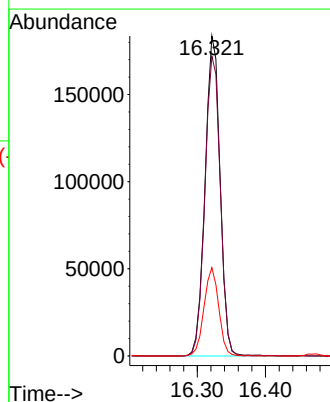
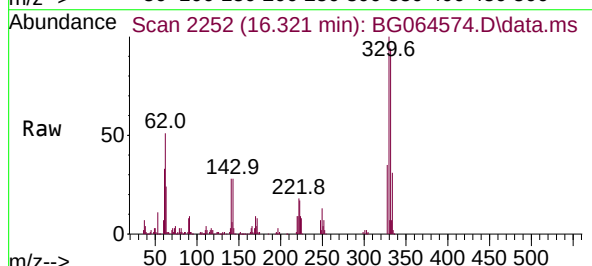
Manual Integrations
APPROVED

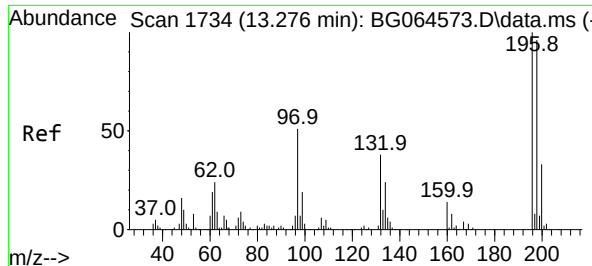
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#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# 1734

Delta R.T. -0.001 min

Lab File: BG064574.D

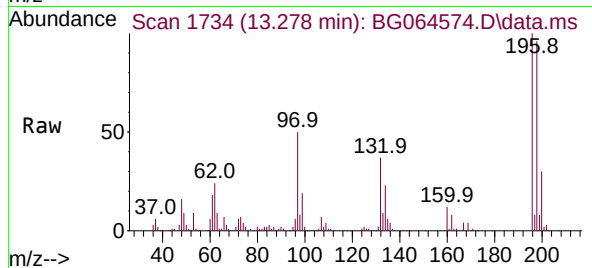
Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060



Tgt Ion:196 Resp: 18477

Ion Ratio Lower Upper

196 100

198 95.9 76.6 115.0

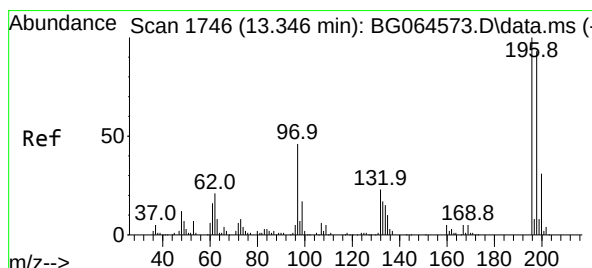
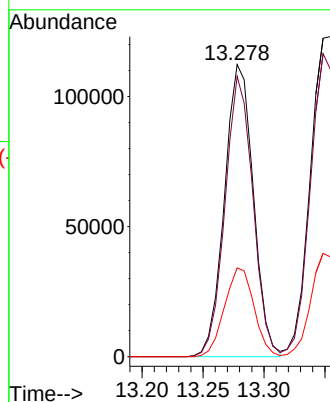
200 30.4 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#44

2,4,5-Trichlorophenol

Concen: 69.994 ng

RT: 13.354 min Scan# 1747

Delta R.T. 0.005 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Tgt Ion:196 Resp: 209320

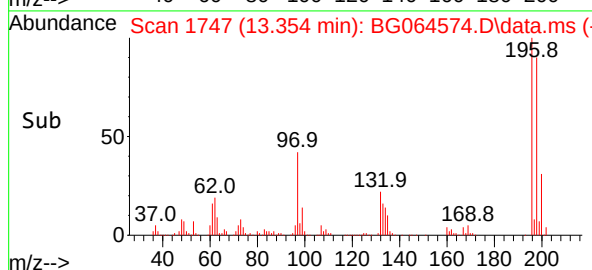
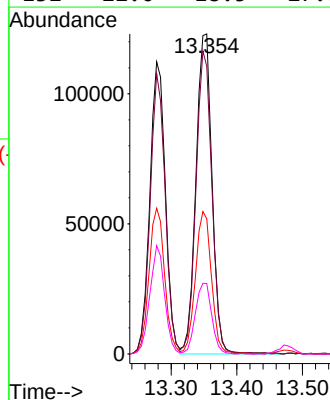
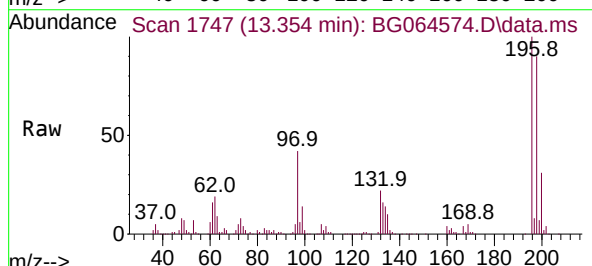
Ion Ratio Lower Upper

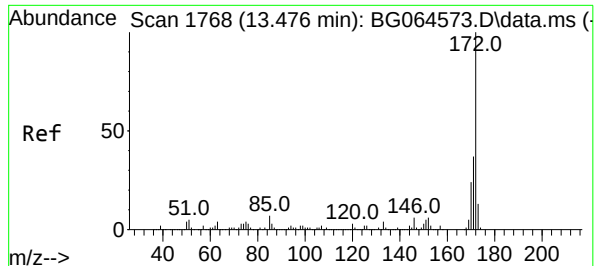
196 100

198 89.8 74.2 111.4

97 42.2 37.0 55.6

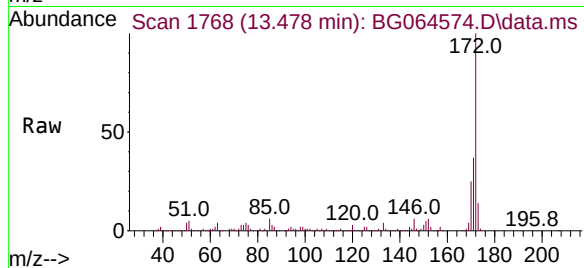
132 22.0 18.5 27.7





#45
2-Fluorobiphenyl
Concen: 125.867 ng
RT: 13.478 min Scan# 1768
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

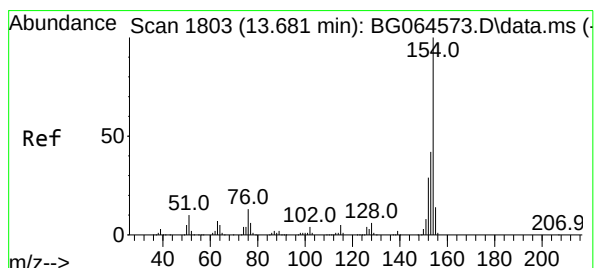
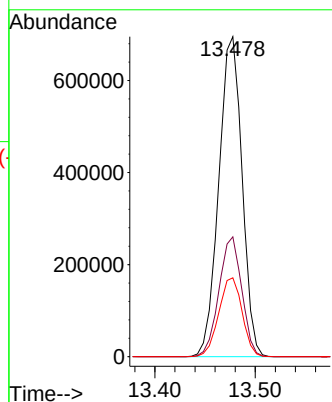
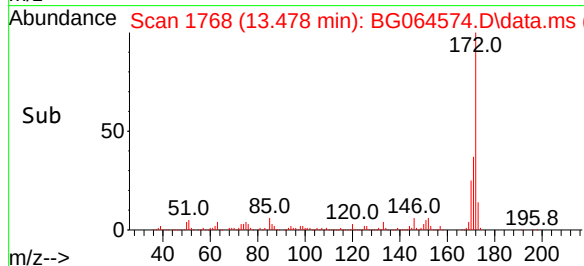
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



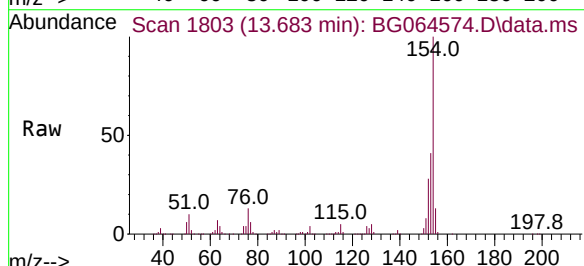
Tgt Ion:172 Resp: 1120989
Ion Ratio Lower Upper
172 100
171 37.4 29.4 44.0
170 24.6 19.1 28.7

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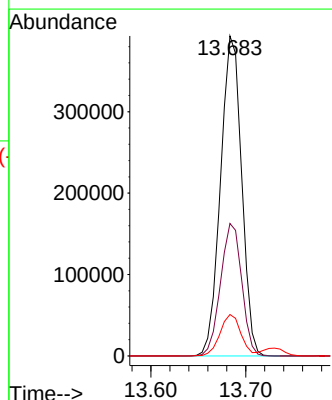
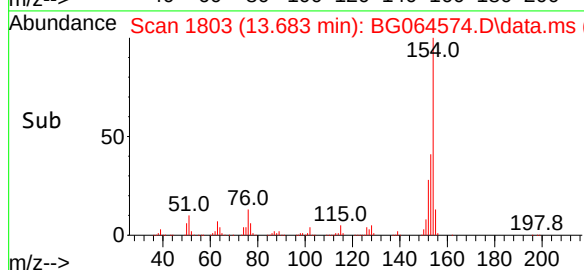
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

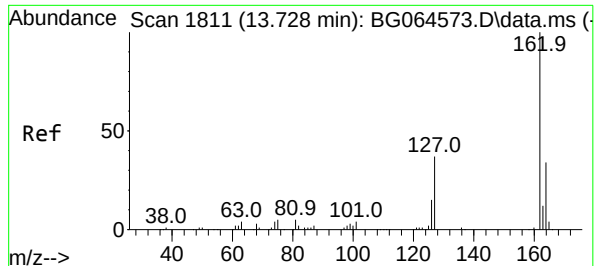


#46
1,1'-Biphenyl
Concen: 63.233 ng
RT: 13.683 min Scan# 1803
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



Tgt Ion:154 Resp: 606860
Ion Ratio Lower Upper
154 100
153 41.4 22.4 62.4
76 12.9 0.0 33.5





#47

2-Chloronaphthalene

Concen: 64.022 ng

RT: 13.730 min Scan# 1811

Delta R.T. -0.001 min

Lab File: BG064574.D

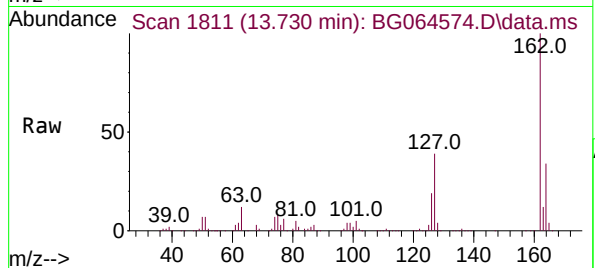
Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060



Tgt Ion:162 Resp: 463792

Ion Ratio Lower Upper

162 100

127 38.8 32.2 48.2

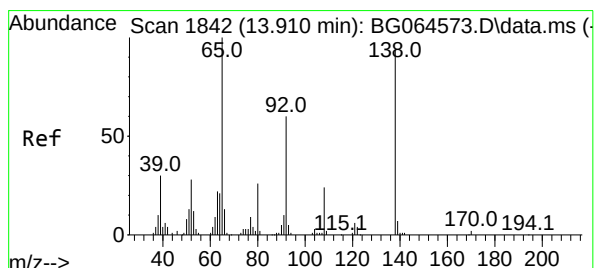
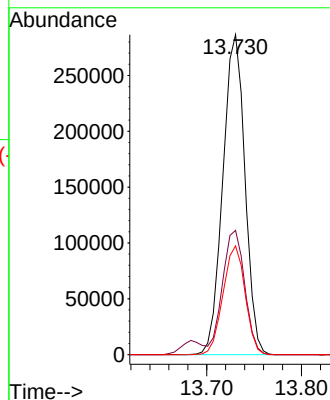
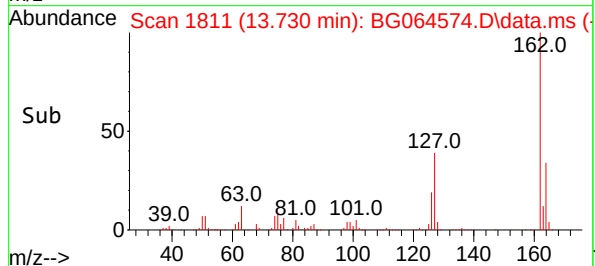
164 34.0 27.5 41.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#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

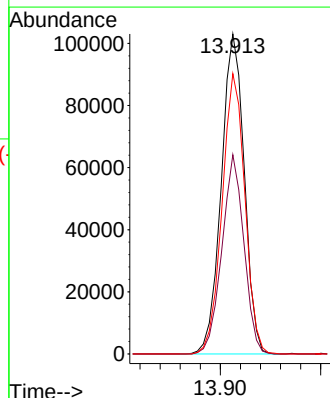
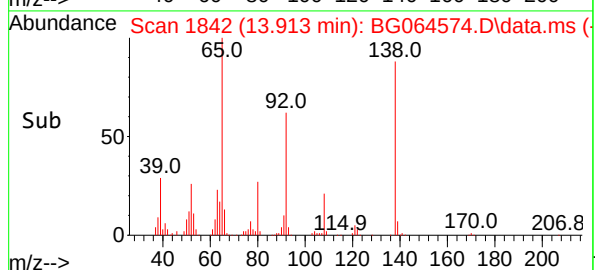
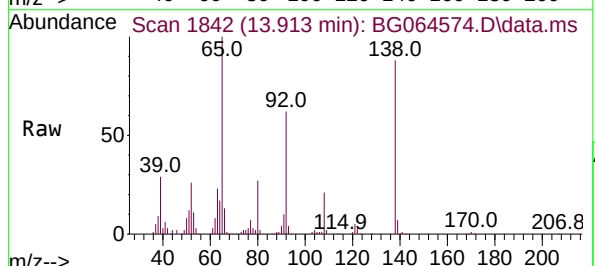
Tgt Ion: 65 Resp: 163796

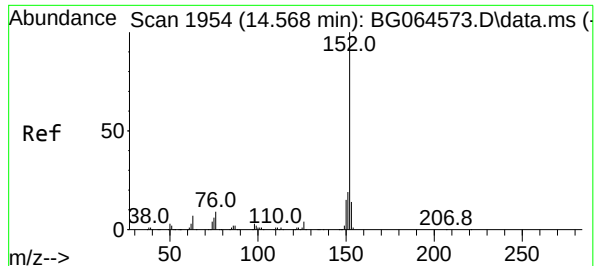
Ion Ratio Lower Upper

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# 1954

Delta R.T. 0.005 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

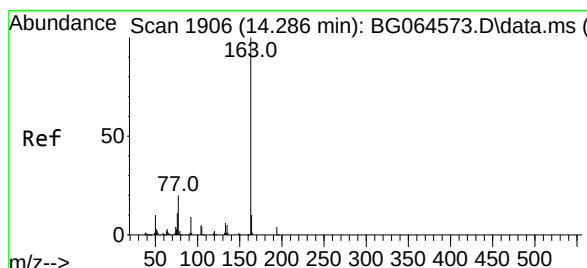
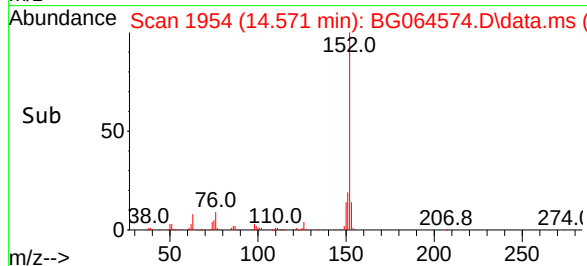
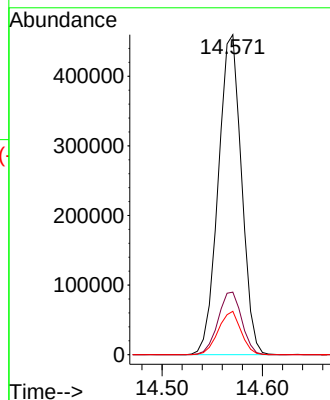
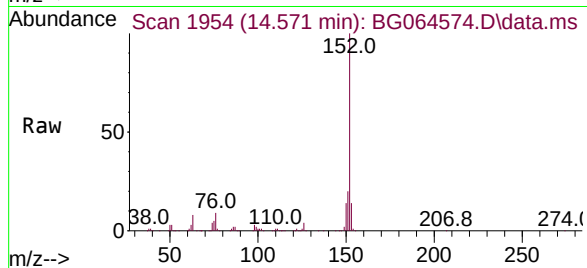
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.2
153	13.5	11.0	16.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#50

Dimethylphthalate

Concen: 66.616 ng

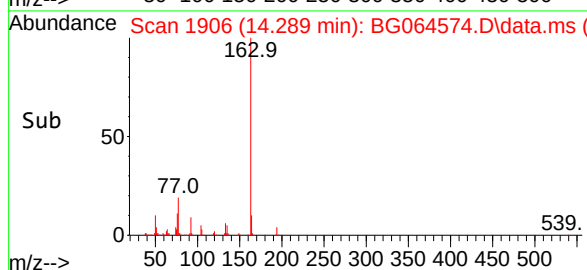
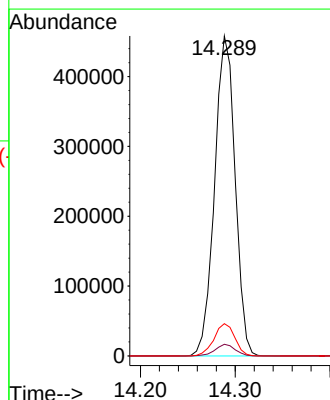
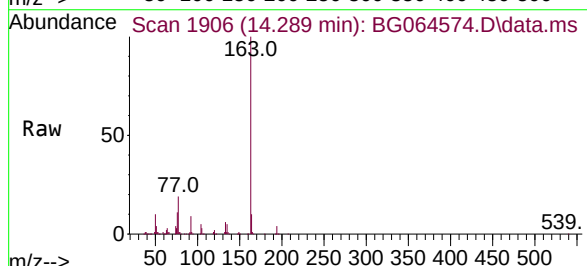
RT: 14.289 min Scan# 1906

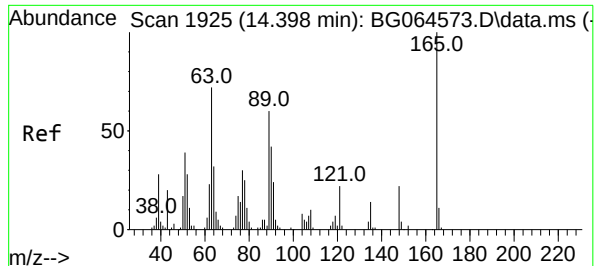
Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

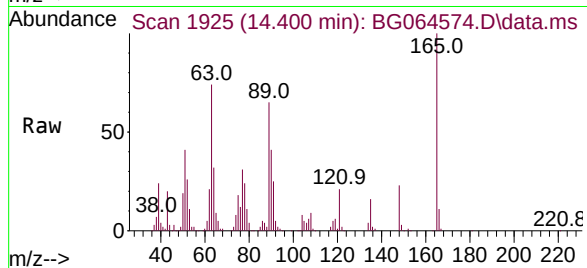
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.1	7.7	11.5





#51
2,6-Dinitrotoluene
Concen: 65.951 ng
RT: 14.400 min Scan# 1925
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

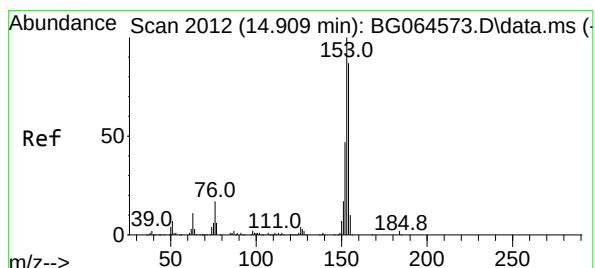
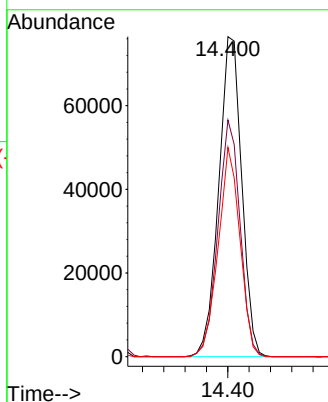
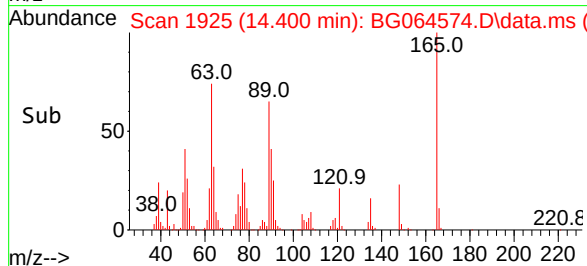
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



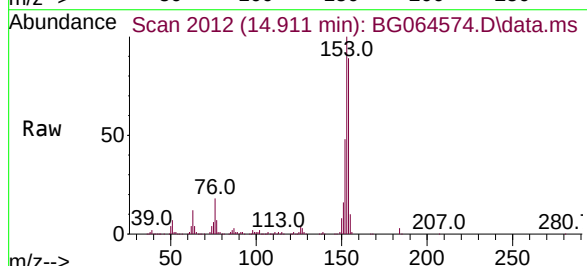
Tgt Ion:165 Resp: 114588
Ion Ratio Lower Upper
165 100
63 73.9 57.4 86.0
89 65.4 47.8 71.8

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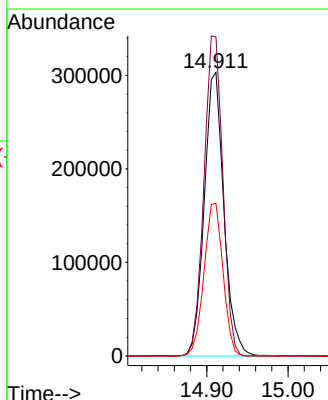
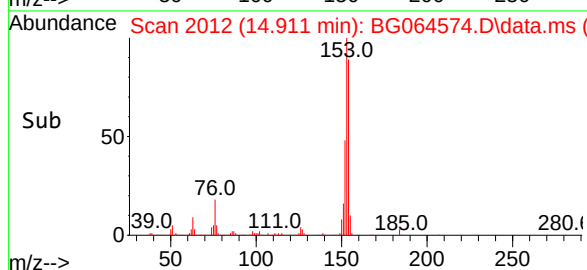
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

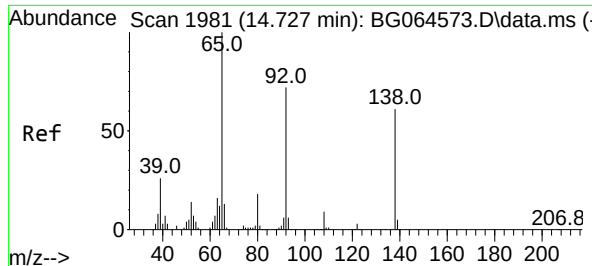


#52
Acenaphthene
Concen: 65.392 ng
RT: 14.911 min Scan# 2012
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



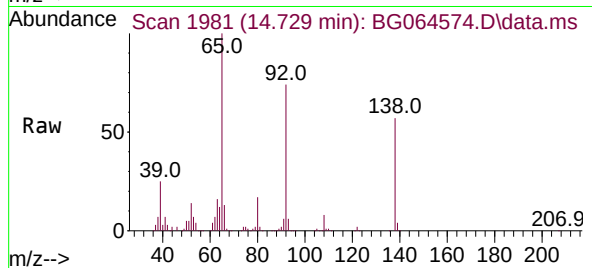
Tgt Ion:154 Resp: 510499
Ion Ratio Lower Upper
154 100
153 112.5 92.2 138.4
152 53.8 43.2 64.8





#53
3-Nitroaniline
Concen: 74.231 ng
RT: 14.729 min Scan# 1981
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

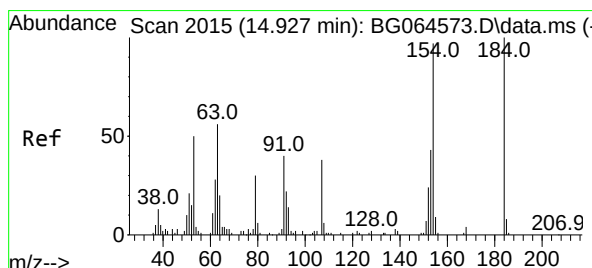
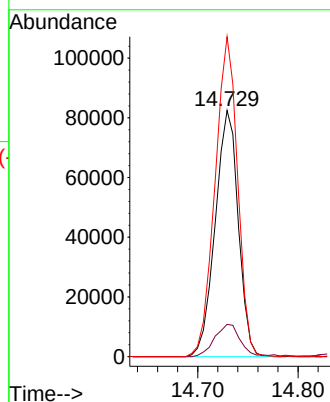
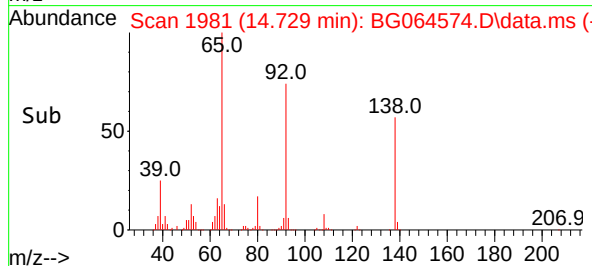
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



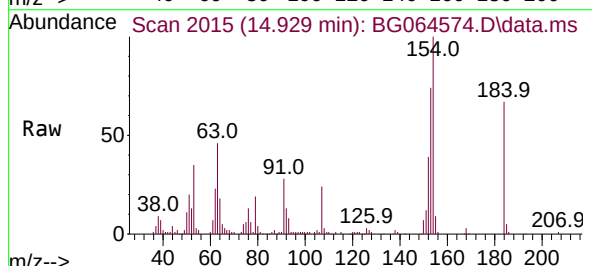
Tgt Ion:138 Resp: 131776
Ion Ratio Lower Upper
138 100
108 13.1 11.4 17.0
92 130.0 95.3 142.9

Manual Integrations
APPROVED

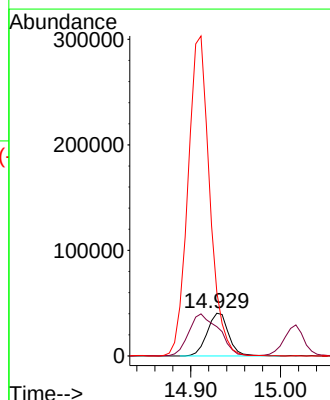
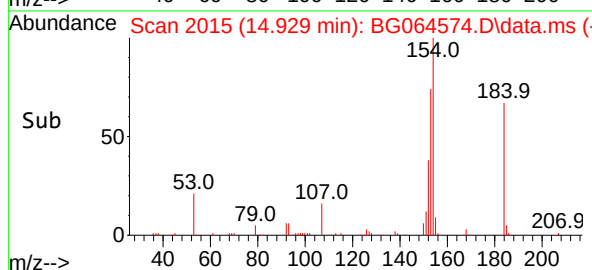
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

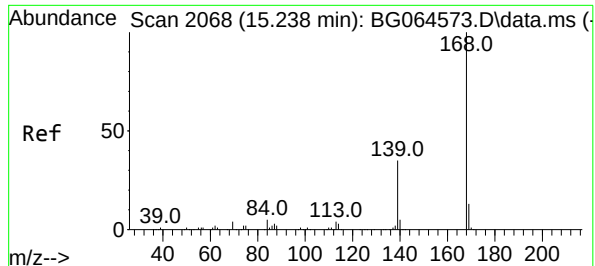


#54
2,4-Dinitrophenol
Concen: 65.082 ng
RT: 14.929 min Scan# 2015
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



Tgt Ion:184 Resp: 66900
Ion Ratio Lower Upper
184 100
63 68.5 56.6 85.0
154 149.4 158.6 238.0#





#55

Dibenzenofuran

Concen: 63.779 ng

RT: 15.240 min Scan# 20

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:168 Resp: 804964

Ion Ratio Lower Upper

168 100

139 36.7 27.8 41.8

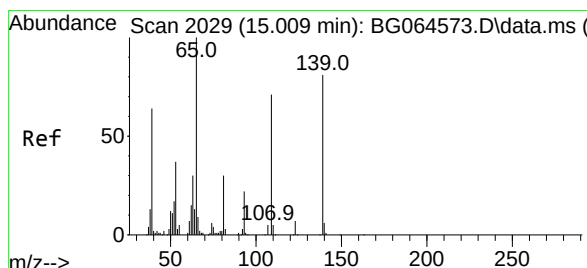
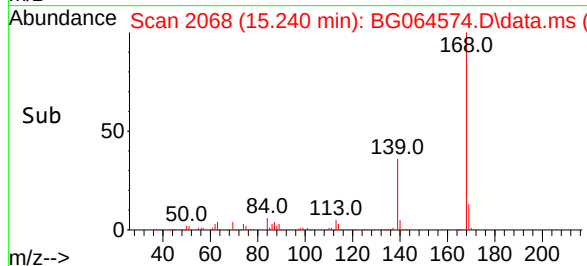
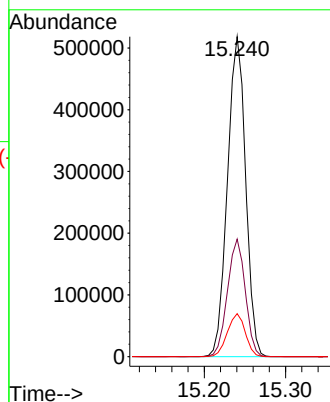
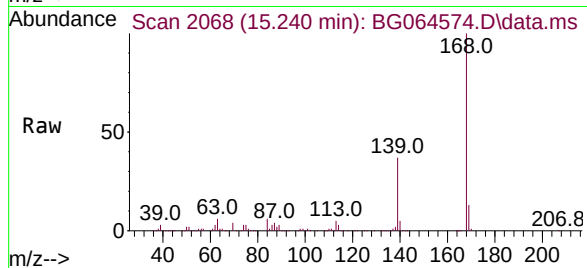
169 13.4 10.3 15.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#56

4-Nitrophenol

Concen: 69.512 ng

RT: 15.017 min Scan# 2030

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

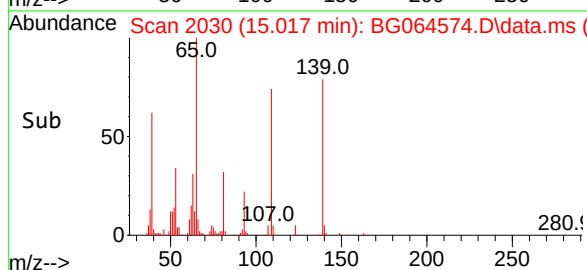
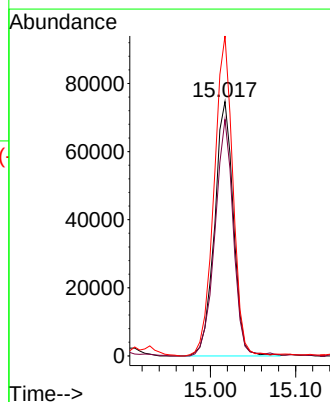
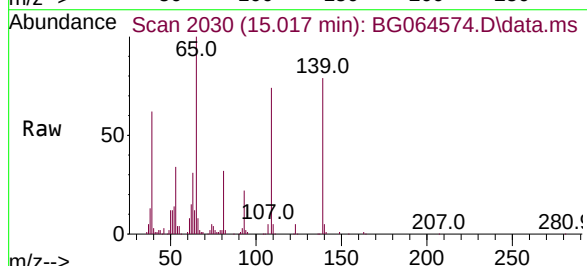
Tgt Ion:139 Resp: 114408

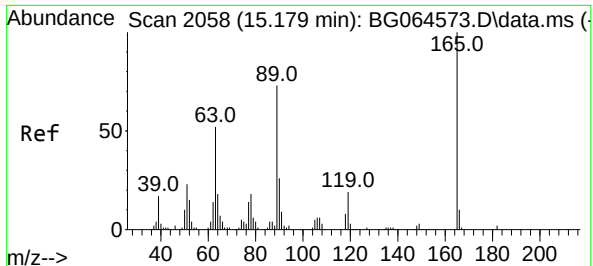
Ion Ratio Lower Upper

139 100

109 93.0 67.8 107.8

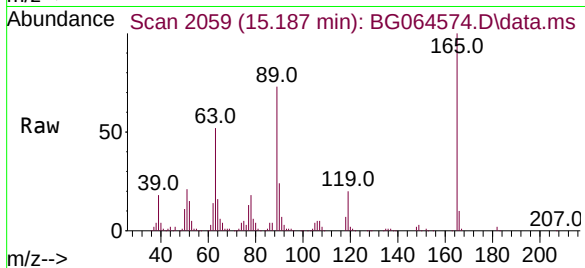
65 125.8 103.7 143.7





#57
2,4-Dinitrotoluene
Concen: 65.522 ng
RT: 15.187 min Scan# 2058
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

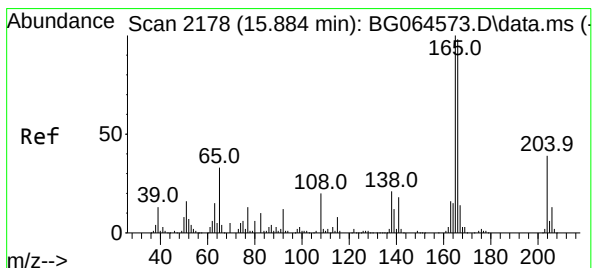
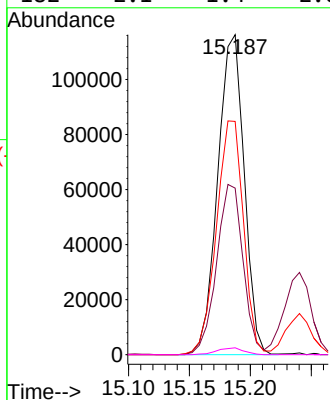
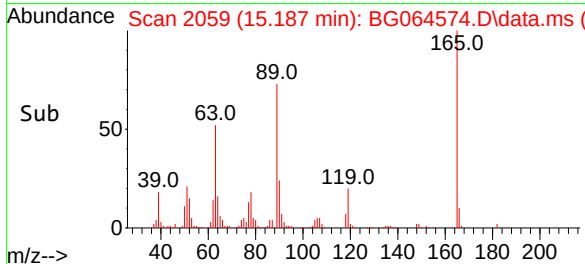
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:165 Resp: 175802
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#

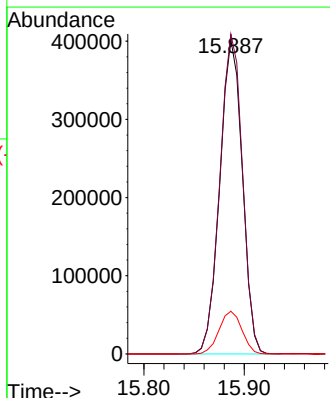
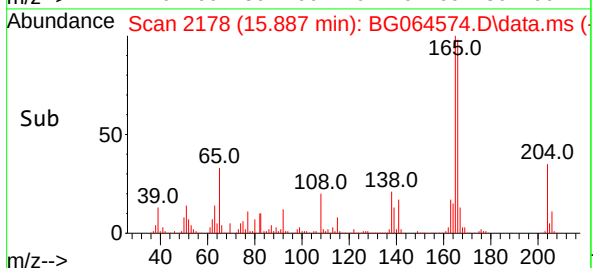
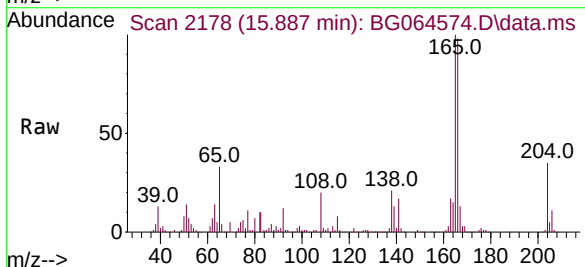
Manual Integrations
APPROVED

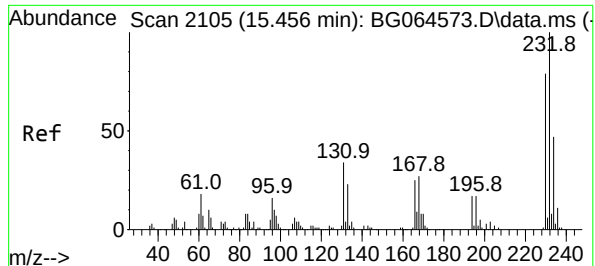
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#58
Fluorene
Concen: 63.656 ng
RT: 15.887 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

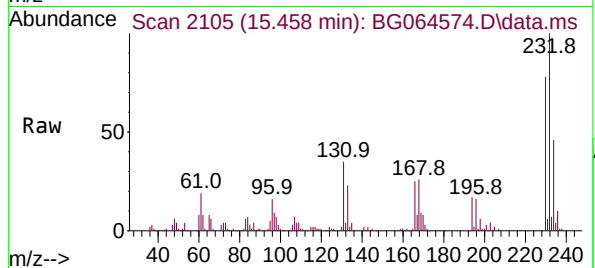
Tgt Ion:166 Resp: 627437
Ion Ratio Lower Upper
166 100
165 101.8 81.5 122.3
167 13.5 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 71.870 ng
RT: 15.458 min Scan# 2105
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

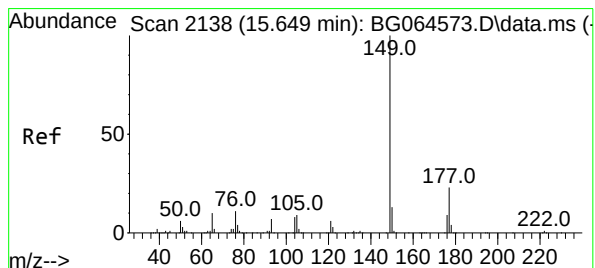
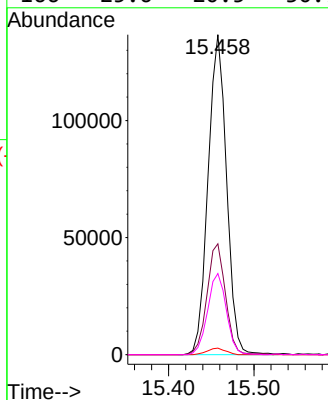
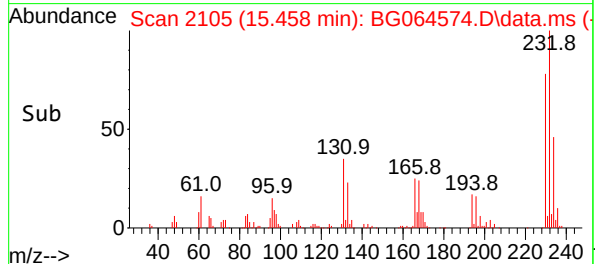
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



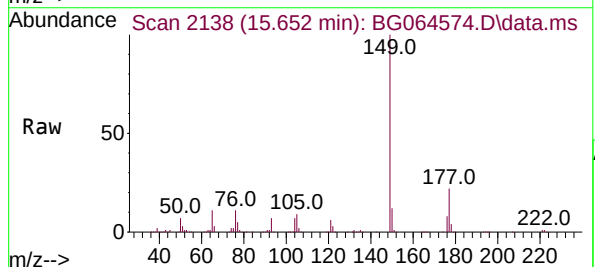
Tgt Ion:232 Resp: 205529
Ion Ratio Lower Upper
232 100
131 34.7 26.7 40.1
130 2.0 1.6 2.4
166 25.6 20.5 30.7

Manual Integrations
APPROVED

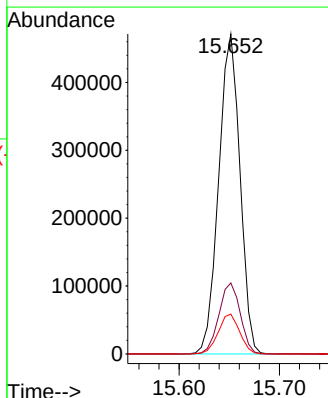
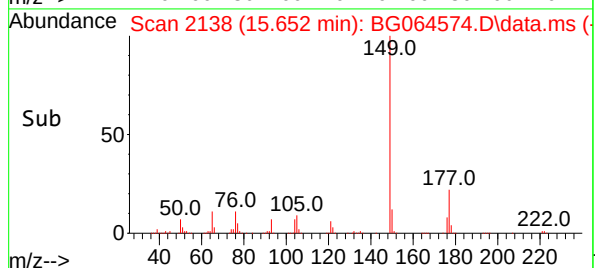
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

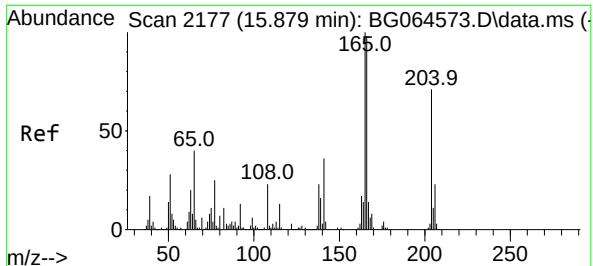


#60
Diethylphthalate
Concen: 65.982 ng
RT: 15.652 min Scan# 2138
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



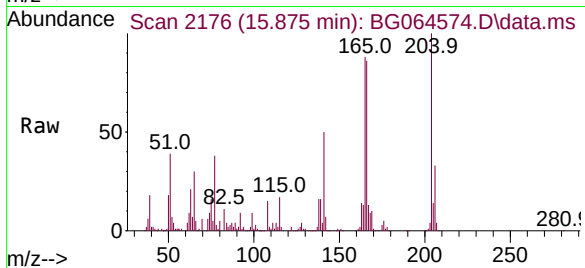
Tgt Ion:149 Resp: 695924
Ion Ratio Lower Upper
149 100
177 22.2 18.0 27.0
150 12.4 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 65.038 ng
RT: 15.875 min Scan# 2176
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

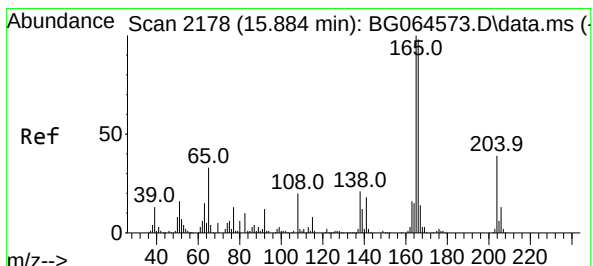
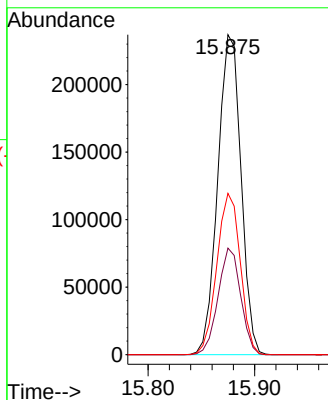
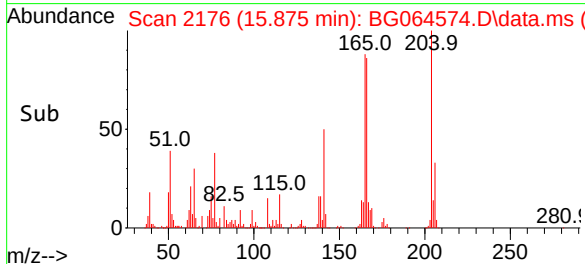
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



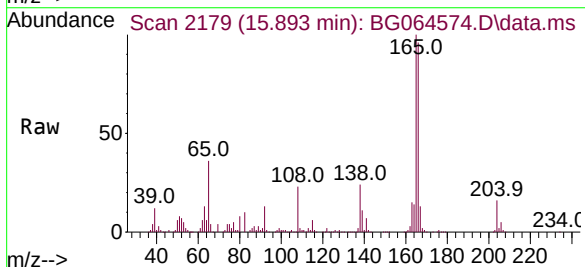
Tgt Ion:204 Resp: 359759
Ion Ratio Lower Upper
204 100
206 33.3 25.6 38.4
141 50.4 40.6 60.8

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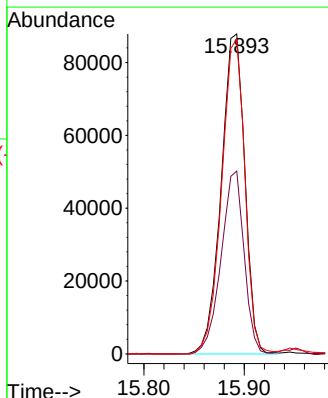
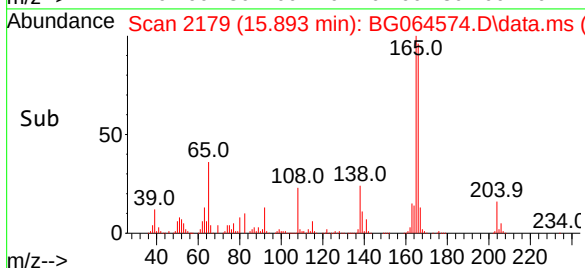
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

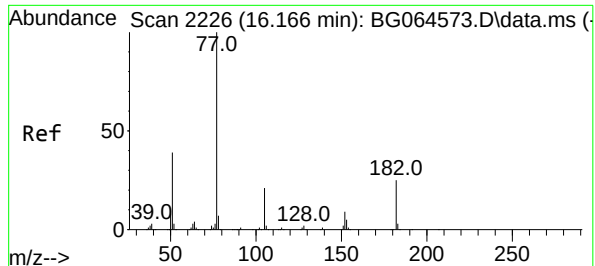


#62
4-Nitroaniline
Concen: 72.832 ng
RT: 15.893 min Scan# 2179
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



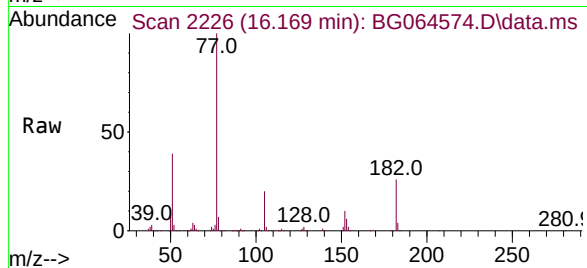
Tgt Ion:138 Resp: 143839
Ion Ratio Lower Upper
138 100
92 57.1 36.1 76.1
108 98.4 75.6 115.6





#63
Azobenzene
Concen: 65.464 ng
RT: 16.169 min Scan# 2226
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

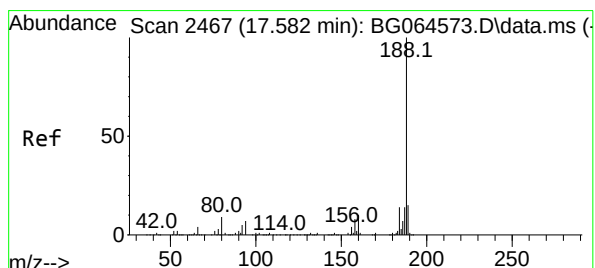
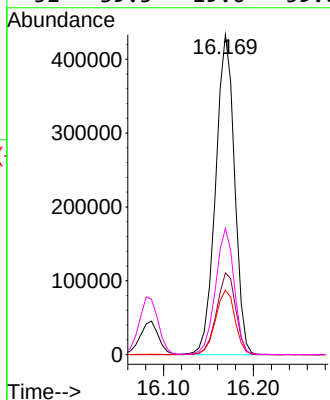
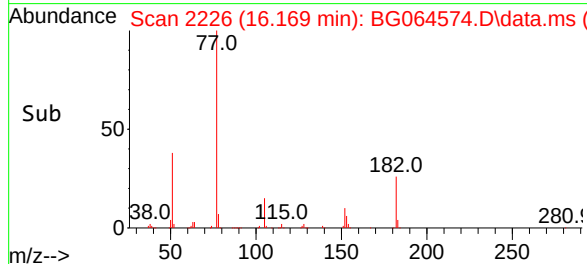
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion: 77 Resp: 633520
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

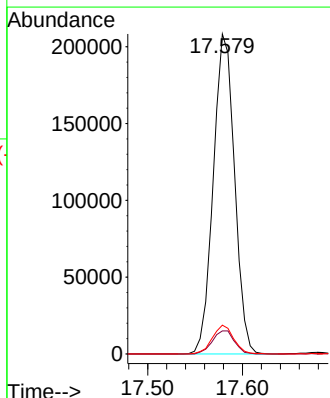
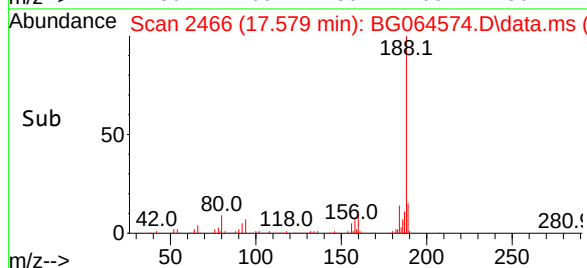
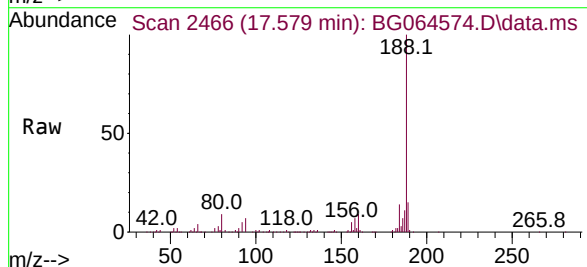
Manual Integrations
APPROVED

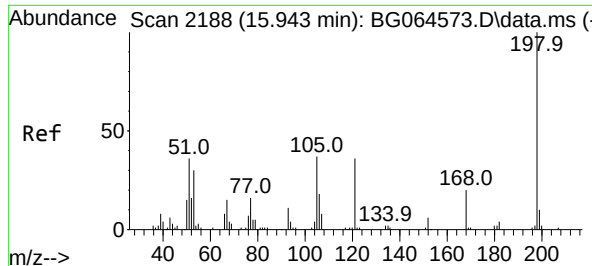
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.579 min Scan# 2466
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

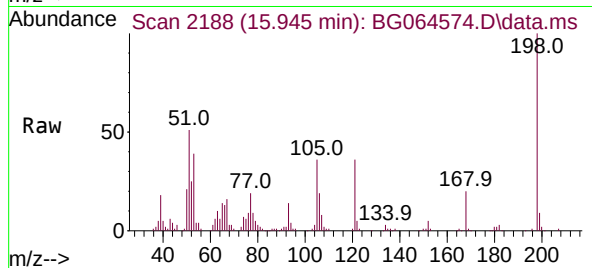
Tgt Ion:188 Resp: 324385
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 9.0 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 64.046 ng
RT: 15.945 min Scan# 2188
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

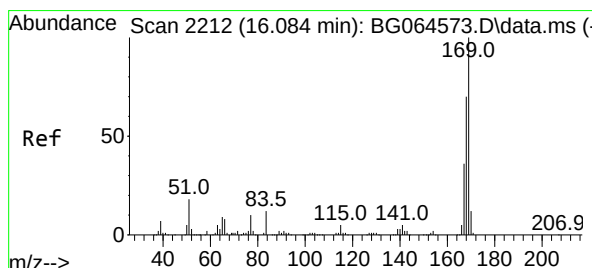
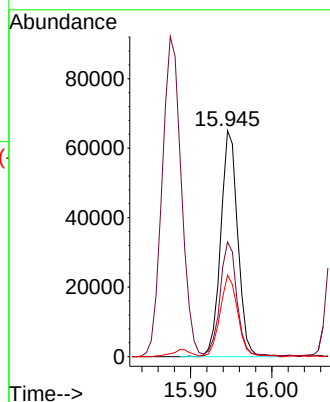
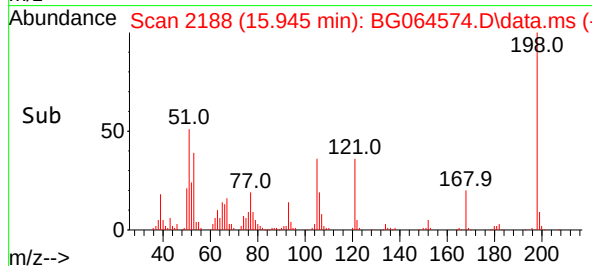
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:198 Resp: 94338
Ion Ratio Lower Upper
198 100
51 50.7 24.7 64.7
105 36.0 18.0 58.0

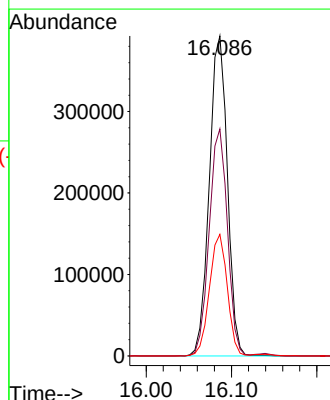
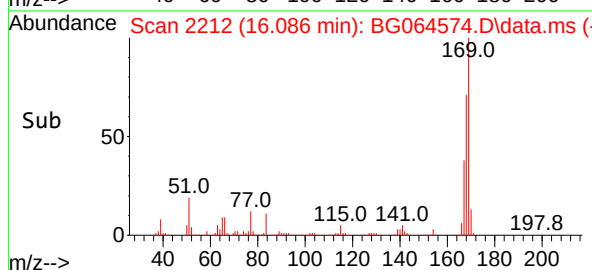
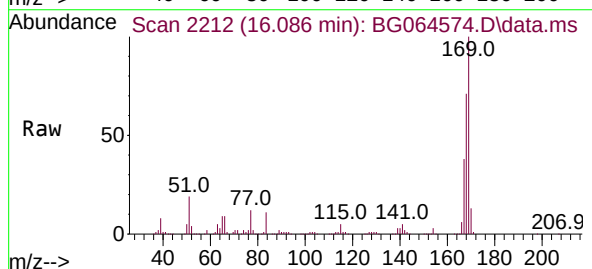
Manual Integrations
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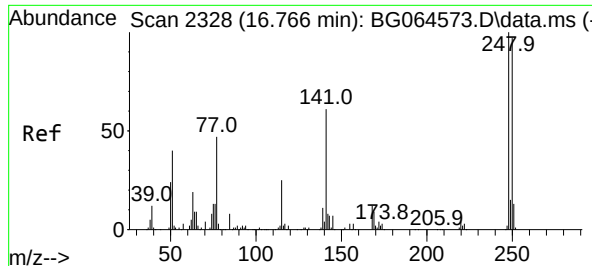
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#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# 2328

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:248 Resp: 256556

Ion Ratio Lower Upper

248 100

250 96.6 77.7 116.5

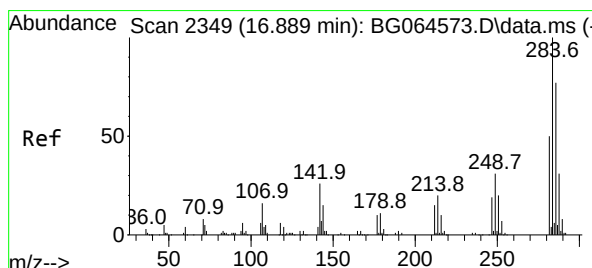
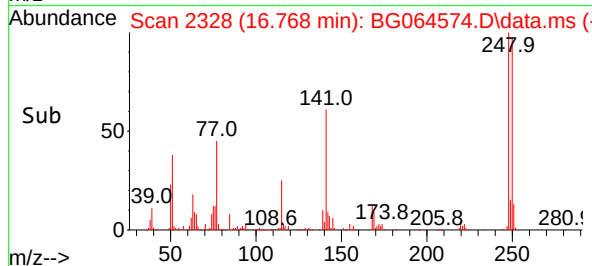
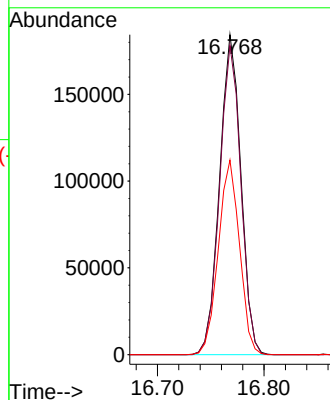
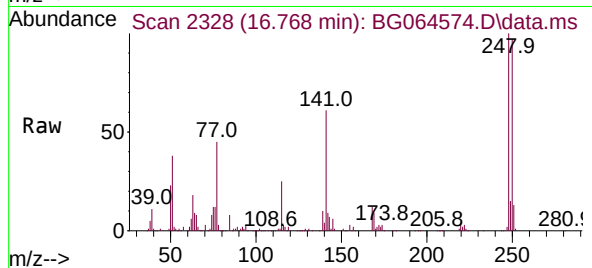
141 60.8 48.6 72.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#68

Hexachlorobenzene

Concen: 67.001 ng

RT: 16.891 min Scan# 2349

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

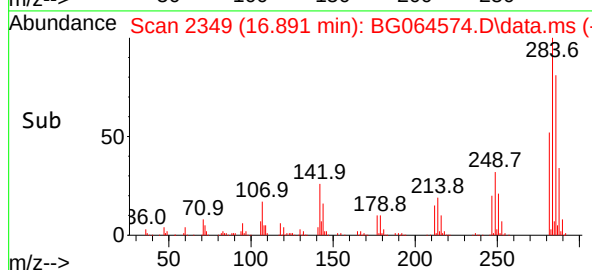
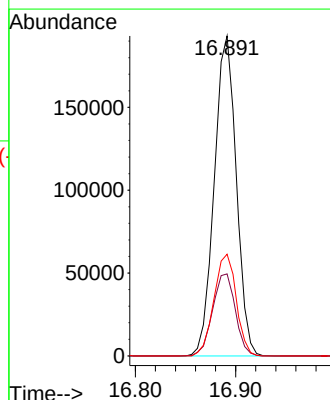
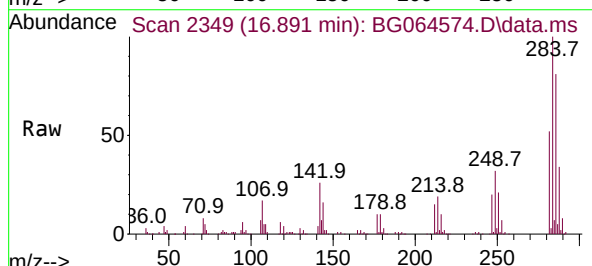
Tgt Ion:284 Resp: 293831

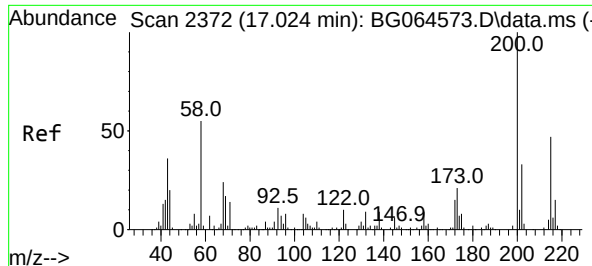
Ion Ratio Lower Upper

284 100

142 25.6 21.0 31.6

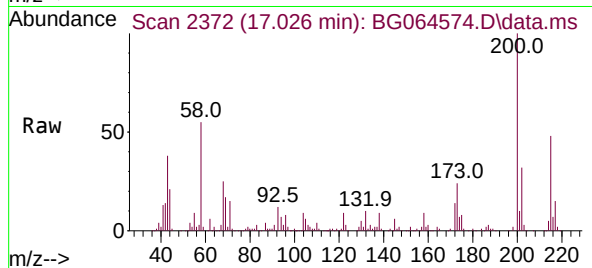
249 34.5 24.9 37.3





#69
Atrazine
Concen: 67.378 ng
RT: 17.026 min Scan# 2372
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

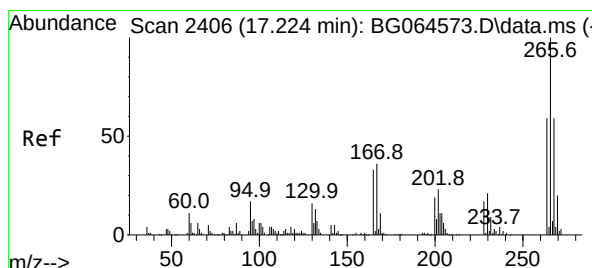
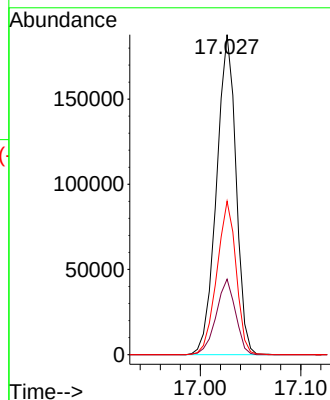
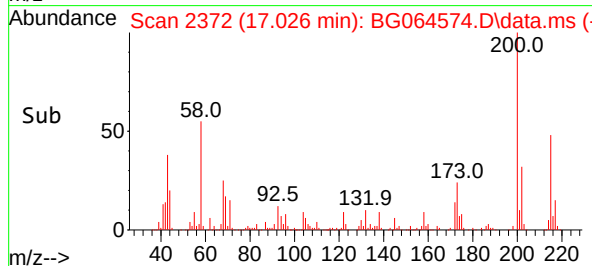
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



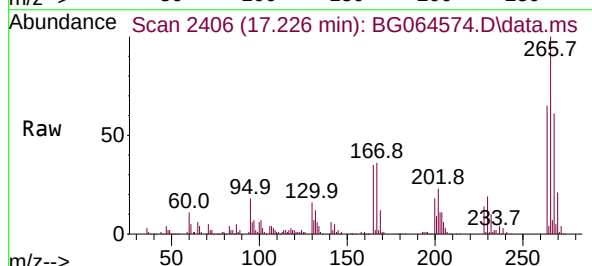
Tgt Ion:200 Resp: 254076
Ion Ratio Lower Upper
200 100
173 23.6 0.9 40.9
215 47.9 27.0 67.0

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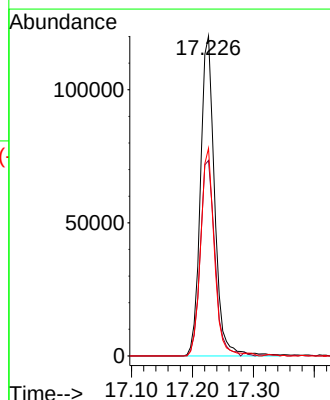
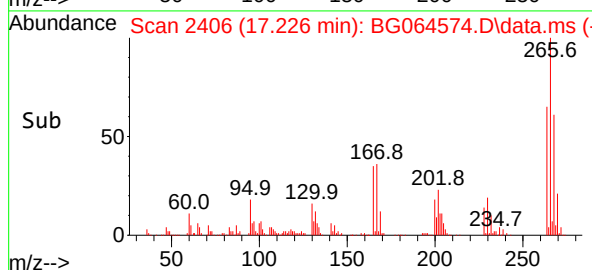
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

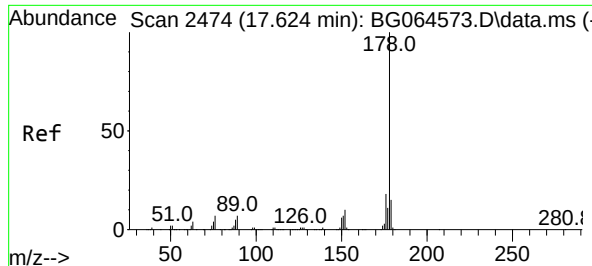


#70
Pentachlorophenol
Concen: 70.923 ng
RT: 17.226 min Scan# 2406
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



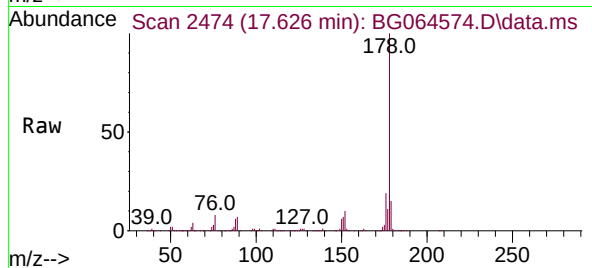
Tgt Ion:266 Resp: 193954
Ion Ratio Lower Upper
266 100
268 66.0 50.3 75.5
264 69.3 47.3 70.9





#71
Phenanthrene
Concen: 64.676 ng
RT: 17.626 min Scan# 2474
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

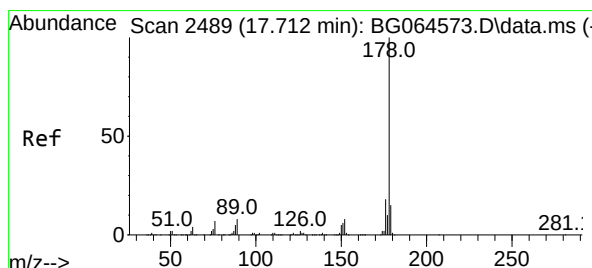
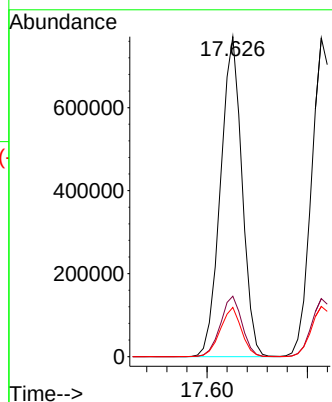
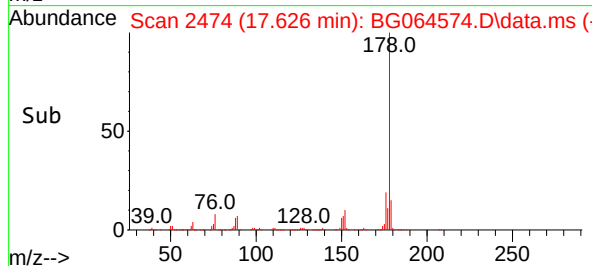
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:178 Resp: 1147317
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.4 12.2 18.4

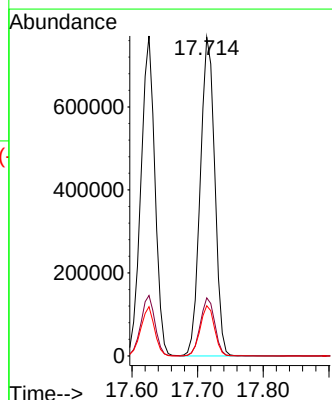
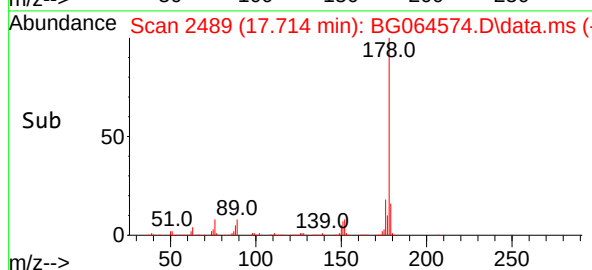
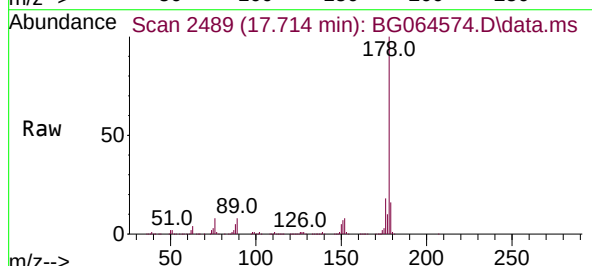
Manual Integrations
APPROVED

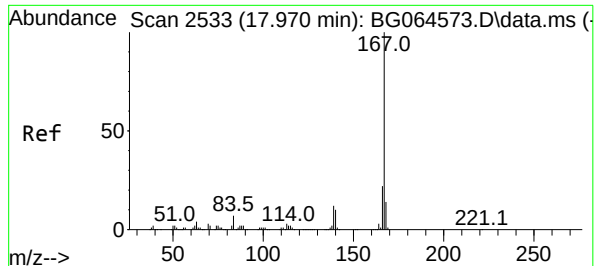
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#72
Anthracene
Concen: 64.905 ng
RT: 17.714 min Scan# 2489
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

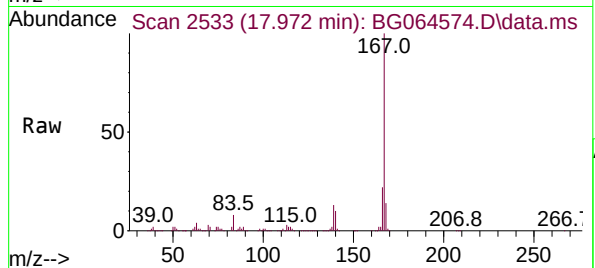
Tgt Ion:178 Resp: 1171223
Ion Ratio Lower Upper
178 100
176 18.2 14.4 21.6
179 15.8 12.4 18.6





#73
Carbazole
Concen: 62.887 ng
RT: 17.972 min Scan# 2533
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

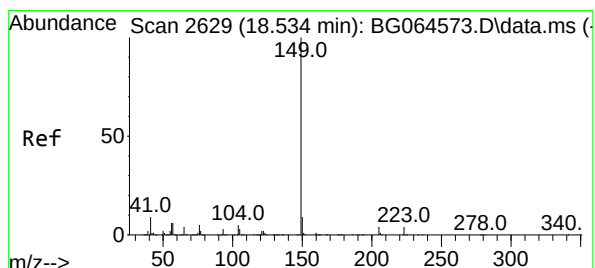
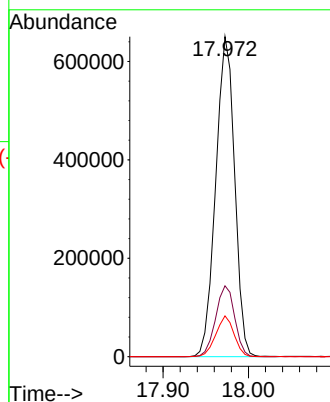
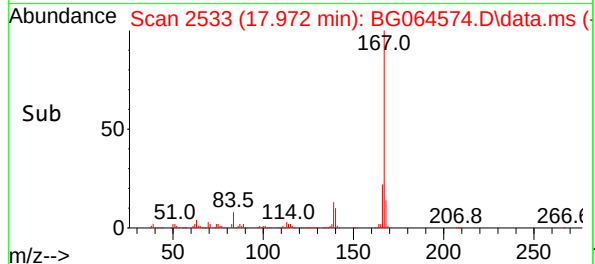
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:167 Resp: 1000680
Ion Ratio Lower Upper
167 100
166 22.1 17.9 26.9
139 12.7 9.7 14.5

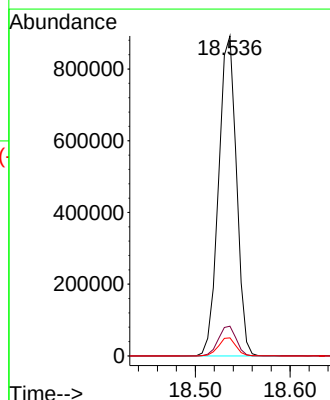
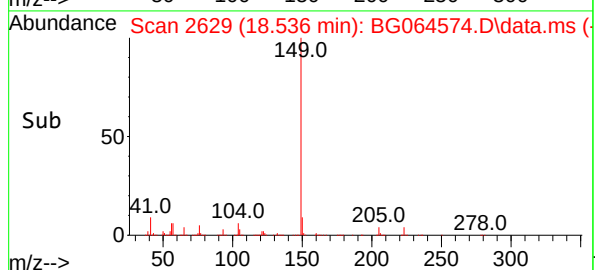
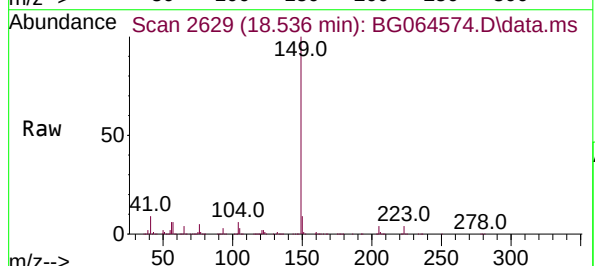
Manual Integrations
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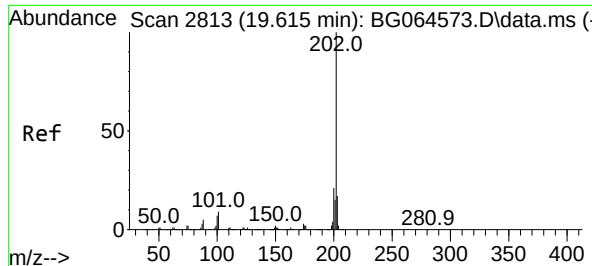
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#74
Di-n-butylphthalate
Concen: 63.334 ng
RT: 18.536 min Scan# 2629
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

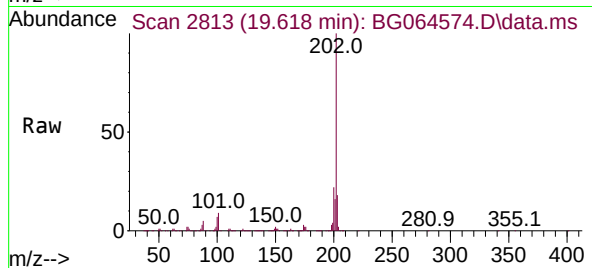
Tgt Ion:149 Resp: 1165396
Ion Ratio Lower Upper
149 100
150 9.3 7.0 10.6
104 5.6 4.1 6.1





#75
Fluoranthene
Concen: 61.419 ng
RT: 19.618 min Scan# 2813
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

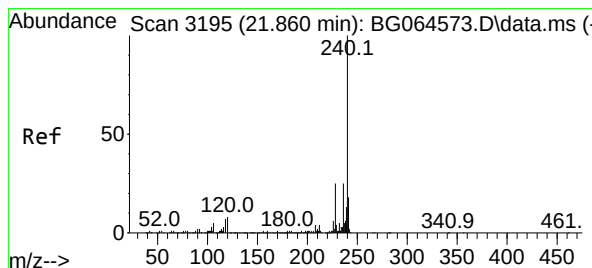
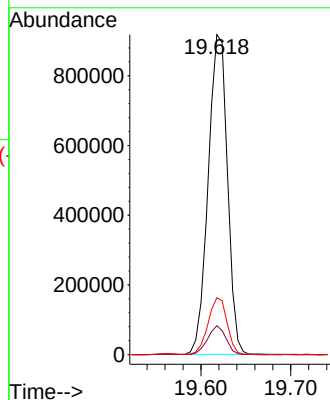
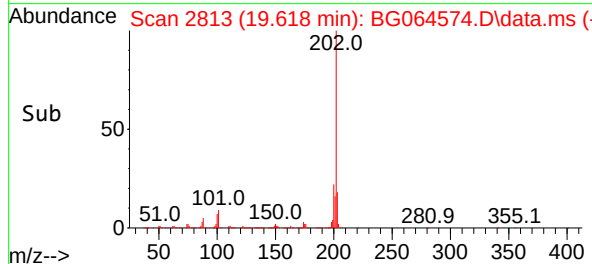
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



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

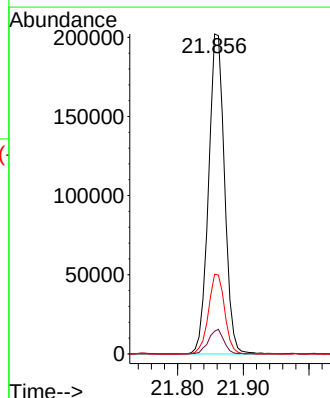
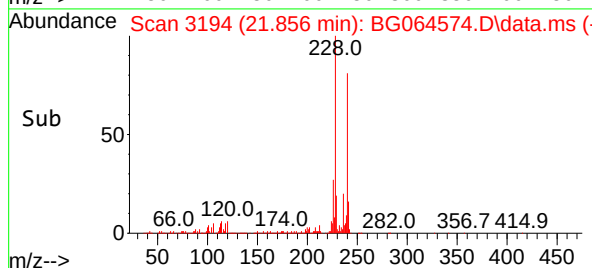
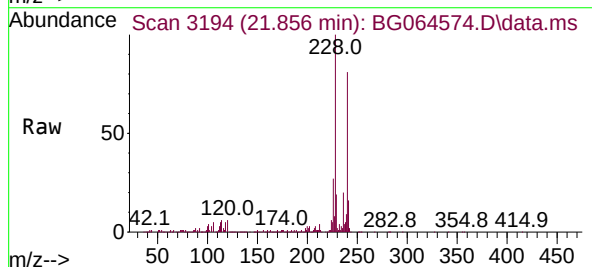
Manual Integrations
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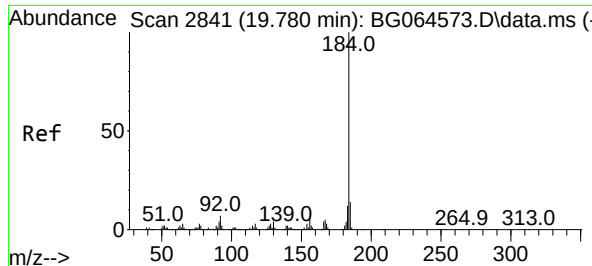
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.856 min Scan# 3194
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

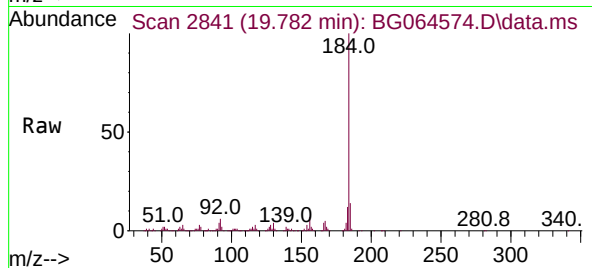
Tgt Ion:240 Resp: 340896
Ion Ratio Lower Upper
240 100
120 7.1 6.5 9.7
236 24.9 20.2 30.2





#77
Benzidine
Concen: 71.348 ng
RT: 19.782 min Scan# 2841
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

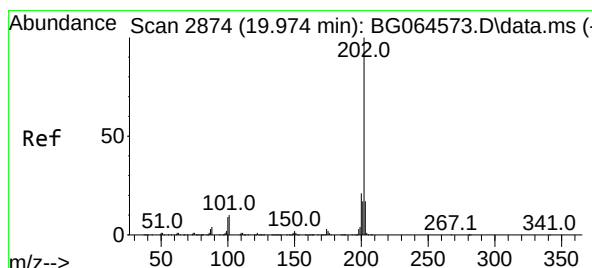
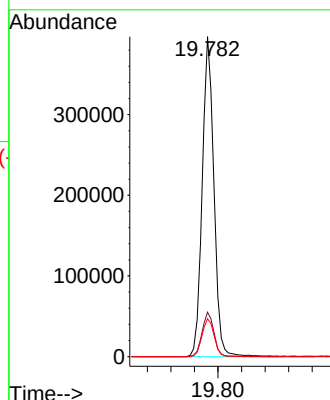
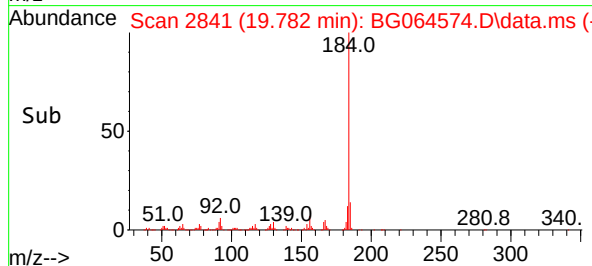
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



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

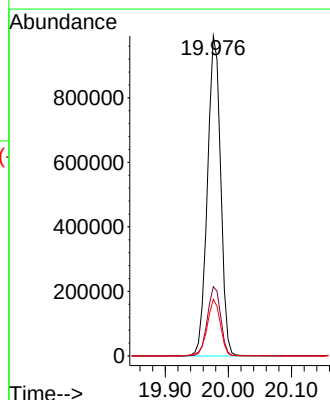
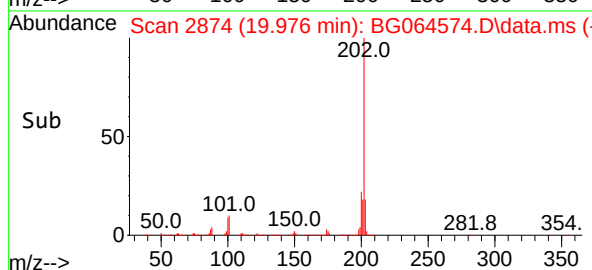
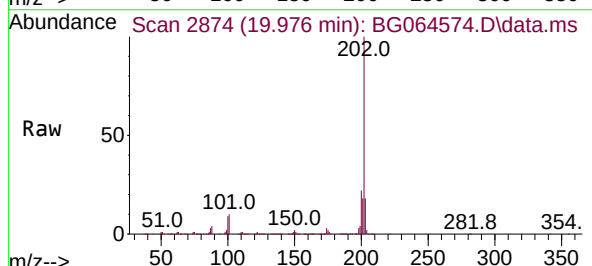
Manual Integrations
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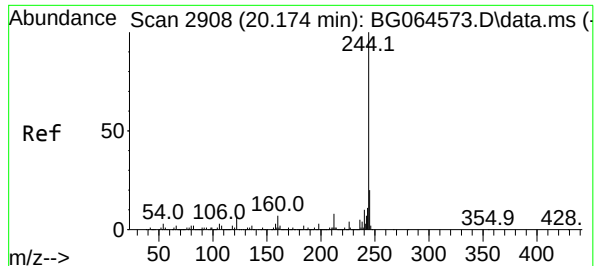
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#78
Pyrene
Concen: 64.549 ng
RT: 19.976 min Scan# 2874
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

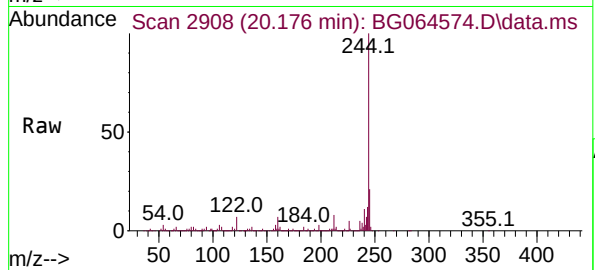
Tgt Ion:202 Resp: 1437669
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.4
203 17.7 13.8 20.6





#79
Terphenyl-d14
Concen: 124.763 ng
RT: 20.176 min Scan# 2908
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

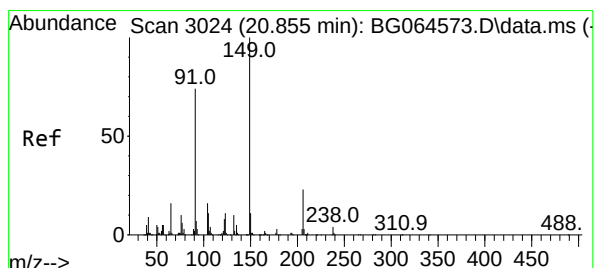
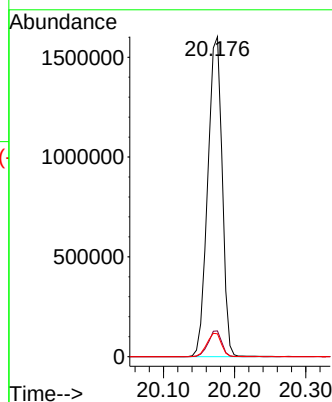
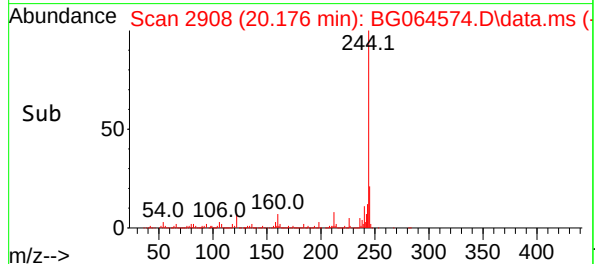
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:244 Resp: 2253704
Ion Ratio Lower Upper
244 100
212 8.0 6.1 9.1
122 7.1 5.6 8.4

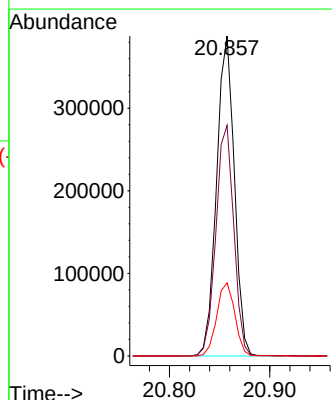
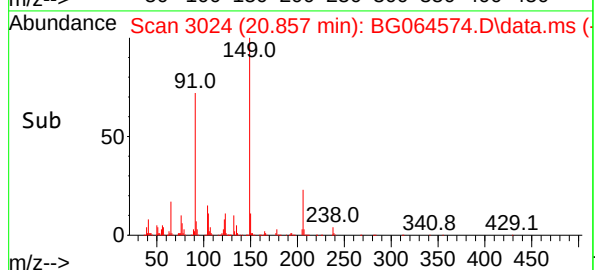
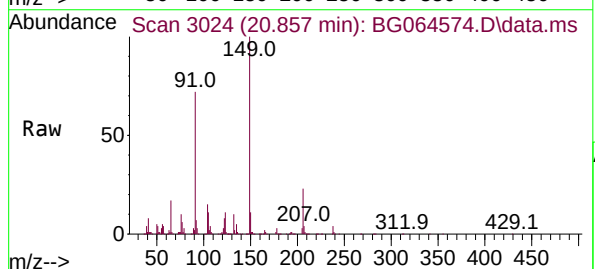
Manual Integrations
APPROVED

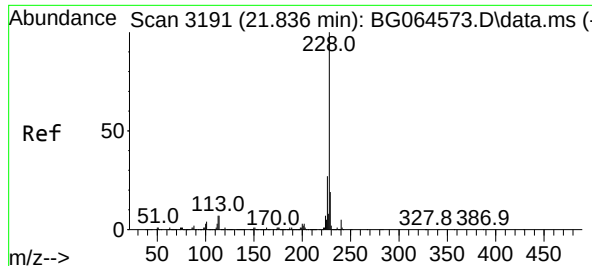
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#80
Butylbenzylphthalate
Concen: 70.914 ng
RT: 20.857 min Scan# 3024
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

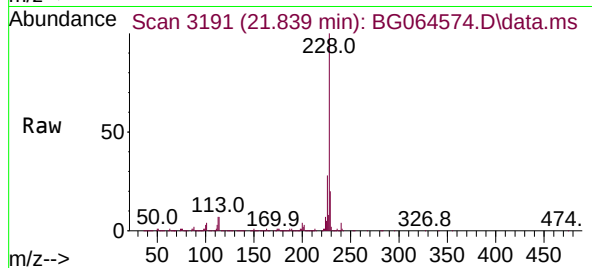
Tgt Ion:149 Resp: 477358
Ion Ratio Lower Upper
149 100
91 72.0 59.2 88.8
206 22.8 18.1 27.1





#81
Benzo(a)anthracene
Concen: 64.702 ng
RT: 21.839 min Scan# 3191
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

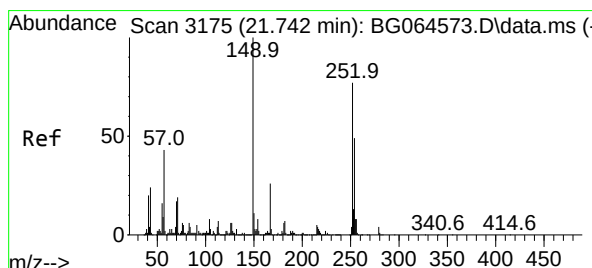
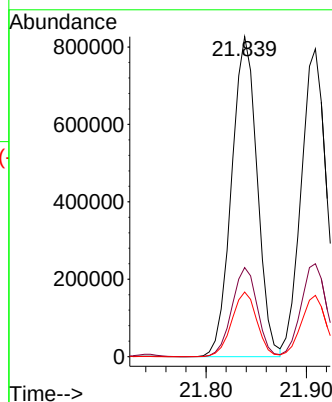
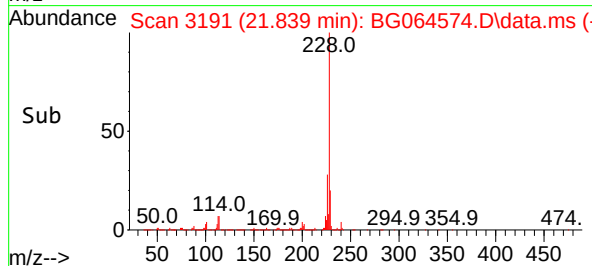
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 1462488
Ion Ratio Lower Upper
228 100
226 27.8 21.9 32.9
229 20.2 15.6 23.4

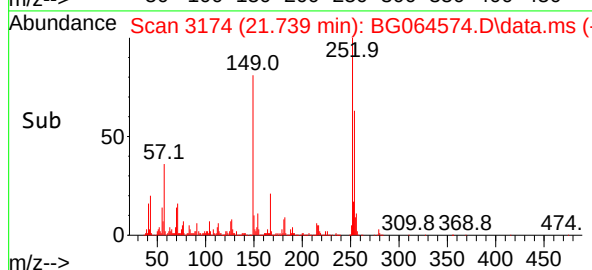
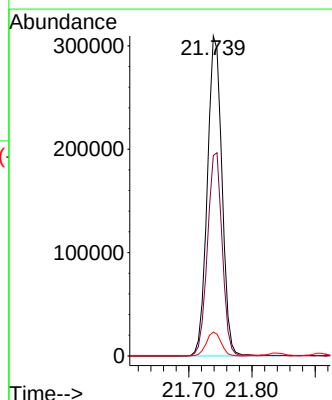
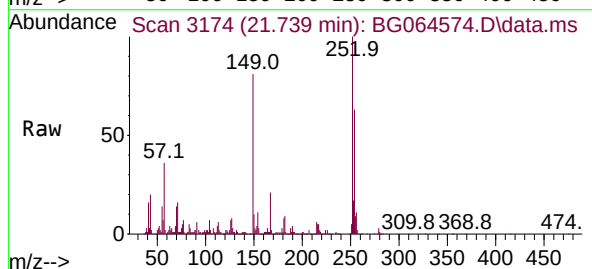
Manual Integrations
APPROVED

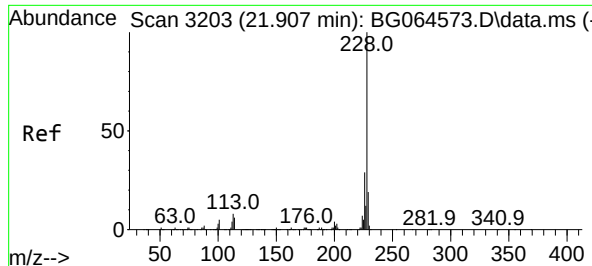
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#82
3,3'-Dichlorobenzidine
Concen: 65.868 ng
RT: 21.739 min Scan# 3174
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

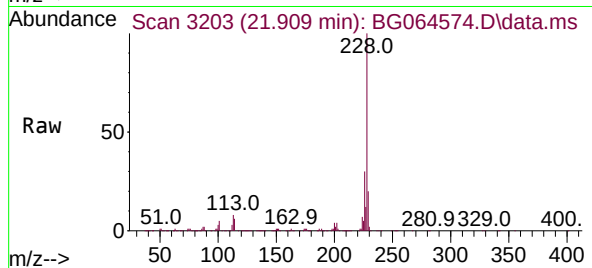
Tgt Ion:252 Resp: 497174
Ion Ratio Lower Upper
252 100
254 62.6 50.8 76.2
126 7.4 5.8 8.6





#83
Chrysene
Concen: 64.621 ng
RT: 21.909 min Scan# 3176
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

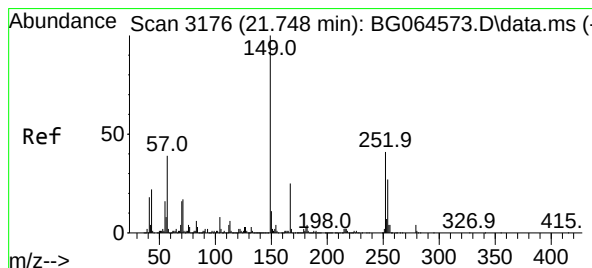
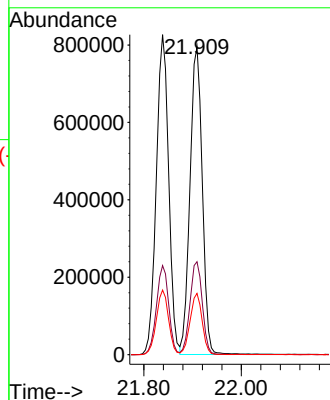
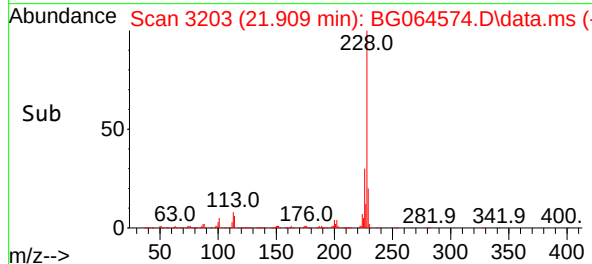
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



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

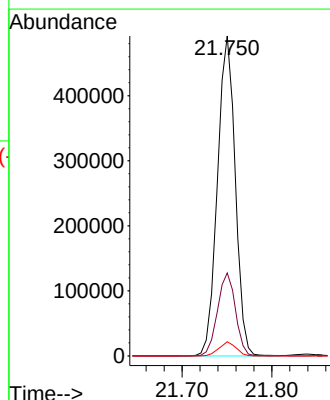
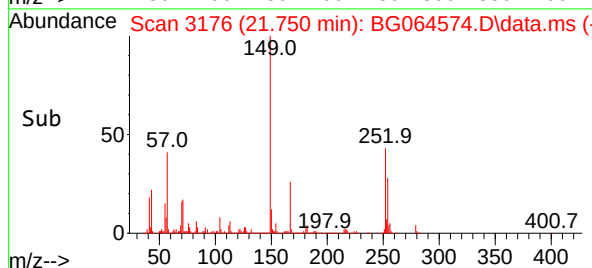
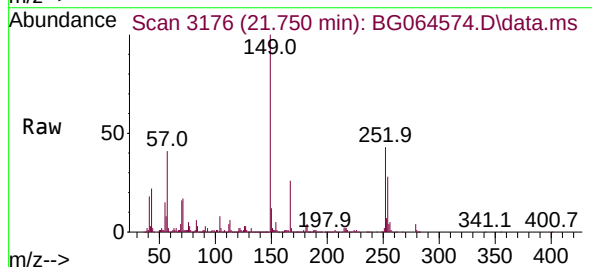
Manual Integrations
APPROVED

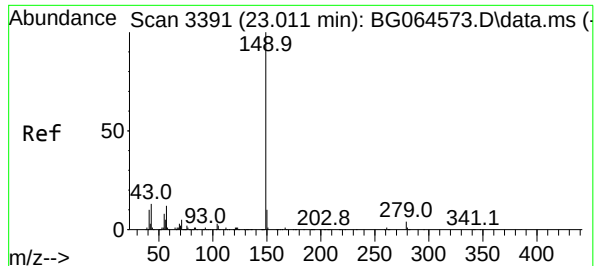
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 67.768 ng
RT: 21.750 min Scan# 3176
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

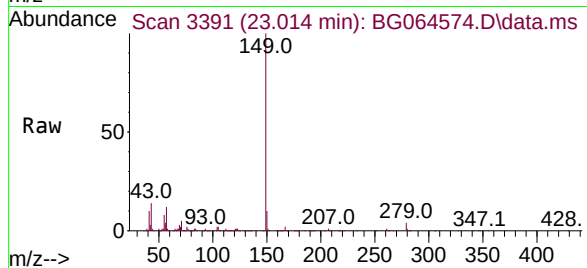
Tgt Ion:149 Resp: 681649
Ion Ratio Lower Upper
149 100
167 25.9 20.0 30.0
279 4.4 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 67.379 ng
RT: 23.014 min Scan# 3391
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

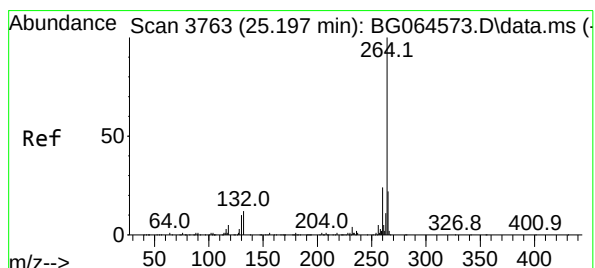
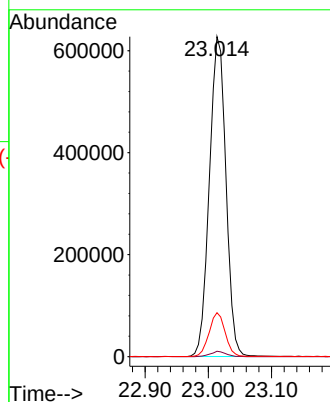
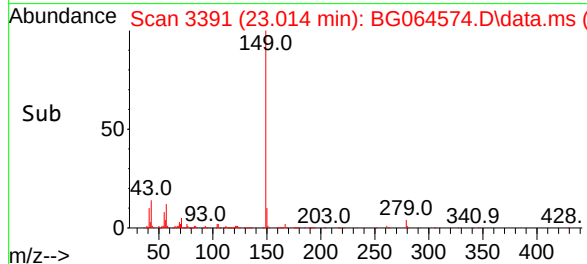
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



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

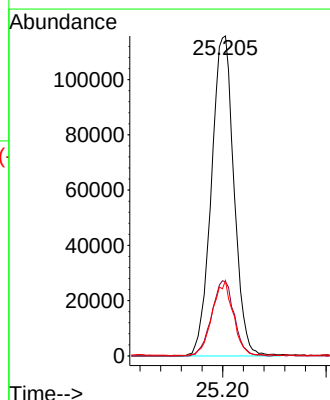
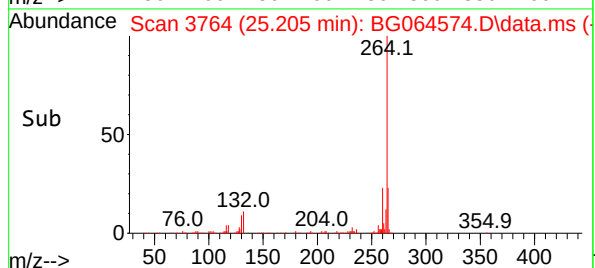
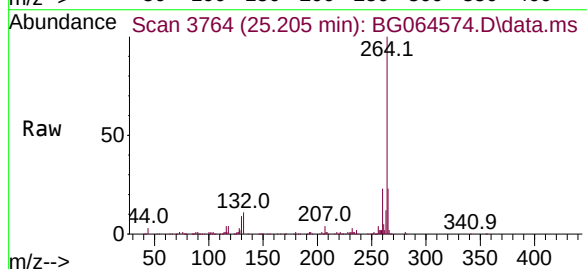
Manual Integrations
APPROVED

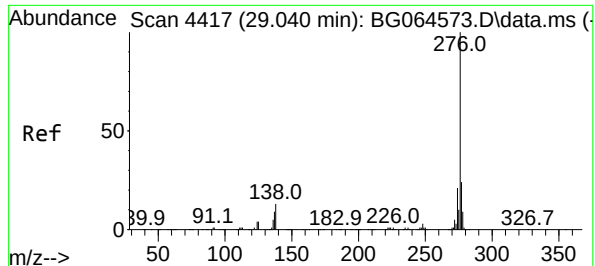
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.205 min Scan# 3764
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

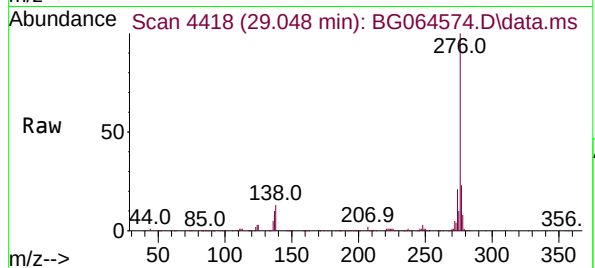
Tgt Ion:264 Resp: 350916
Ion Ratio Lower Upper
264 100
260 23.2 19.0 28.4
265 23.5 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 66.979 ng
RT: 29.048 min Scan# 4417
Delta R.T. -0.013 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

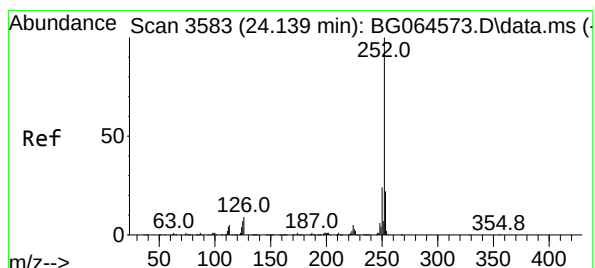
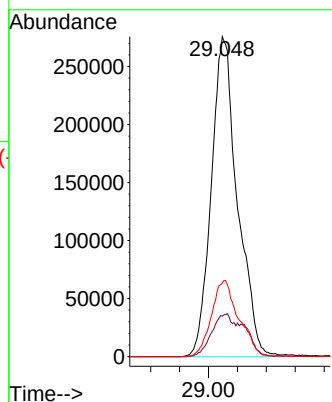
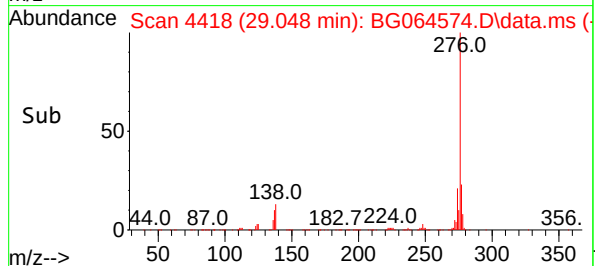
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



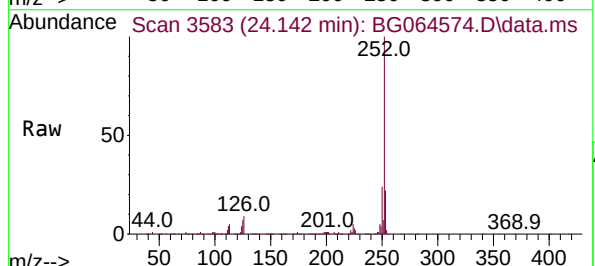
Tgt Ion: 276 Resp: 1729035
Ion Ratio Lower Upper
276 100
138 11.2 10.8 16.2
277 24.9 20.1 30.1

Manual Integrations
APPROVED

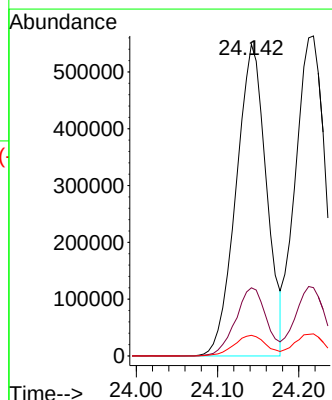
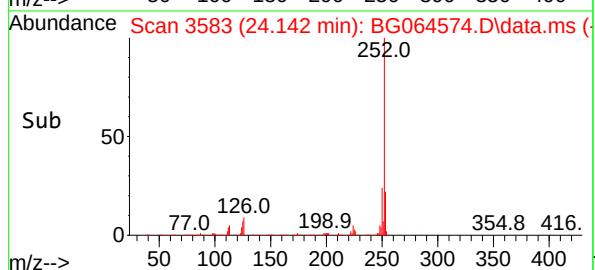
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

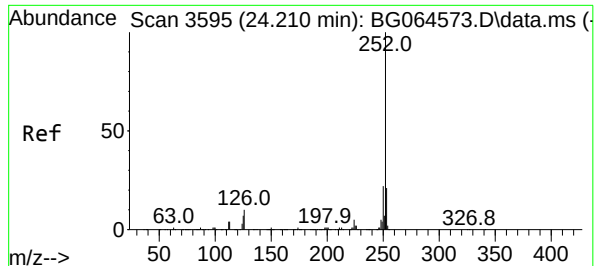


#88
Benzo(b)fluoranthene
Concen: 66.207 ng
RT: 24.142 min Scan# 3583
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44



Tgt Ion: 252 Resp: 1424640
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 6.6 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 66.703 ng

RT: 24.218 min Scan# 3596

Delta R.T. -0.001 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

Instrument :

BNA_G

ClientSampleId :

SSTDICC060

Tgt Ion:252 Resp: 1436312

Ion Ratio Lower Upper

252 100

253 21.3 16.8 25.2

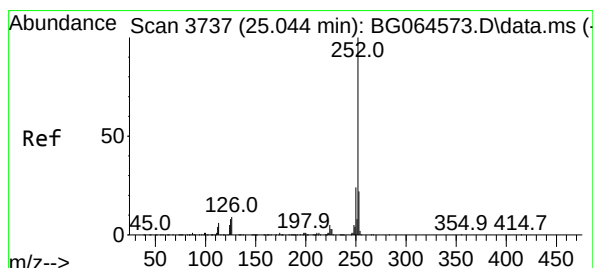
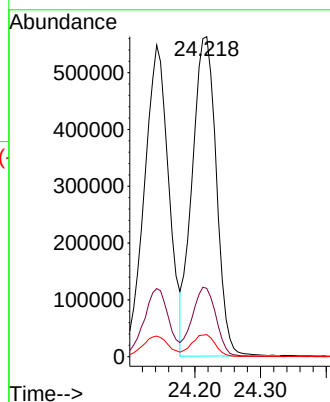
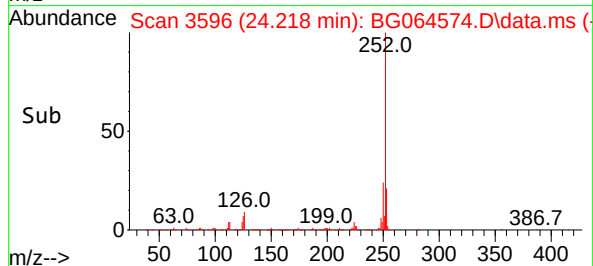
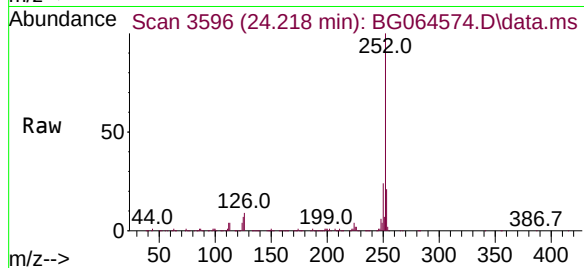
125 6.9 5.4 8.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#90

Benzo(a)pyrene

Concen: 66.315 ng

RT: 25.052 min Scan# 3738

Delta R.T. -0.007 min

Lab File: BG064574.D

Acq: 24 Oct 2025 13:44

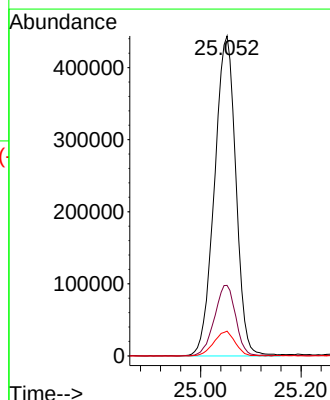
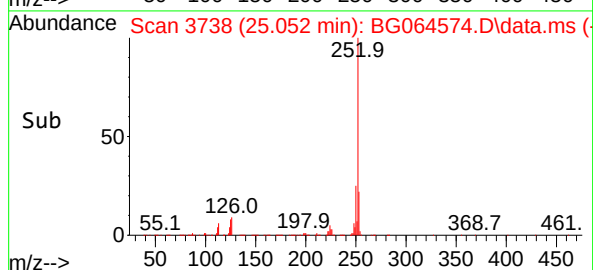
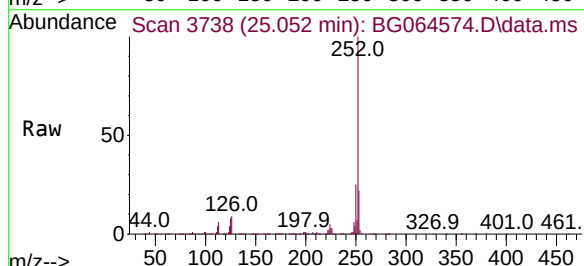
Tgt Ion:252 Resp: 1311701

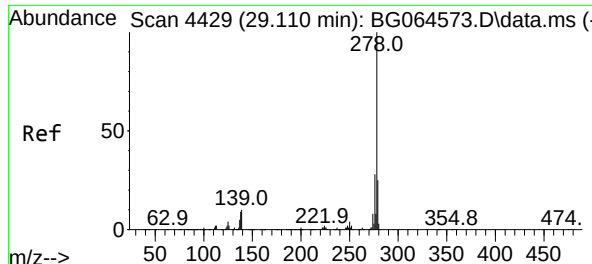
Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

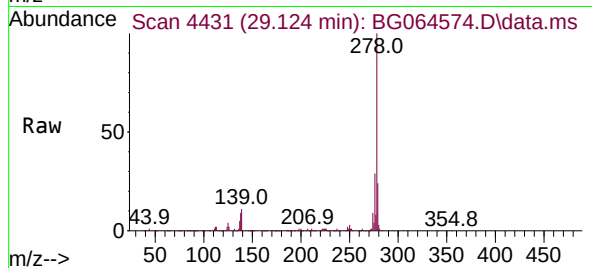
125 7.7 6.1 9.1





#91
Dibenzo(a,h)anthracene
Concen: 66.479 ng
RT: 29.124 min Scan# 4429
Delta R.T. -0.013 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

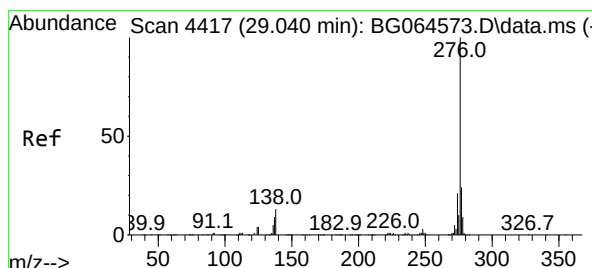
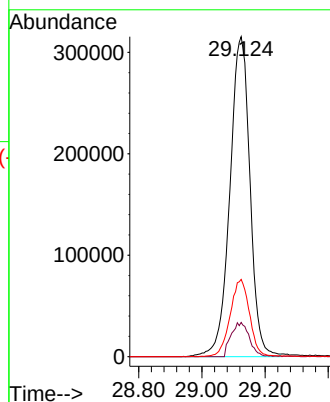
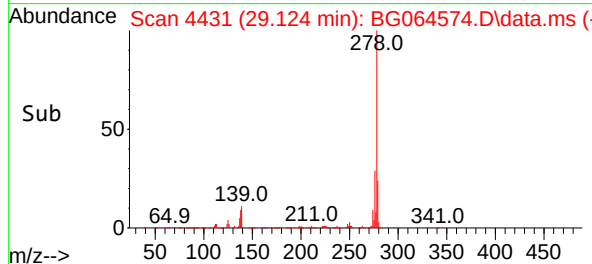
Instrument :
BNA_G
ClientSampleId :
SSTDICC060



Tgt Ion: 278 Resp: 1394234
Ion Ratio Lower Upper
278 100
139 10.7 8.0 12.0
279 24.1 19.8 29.6

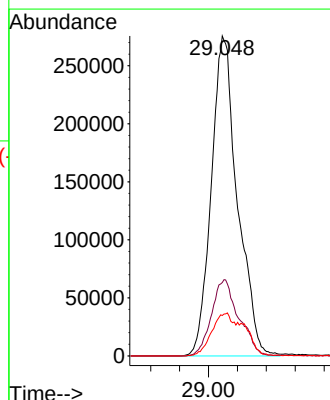
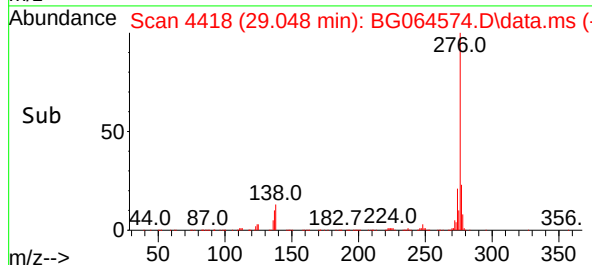
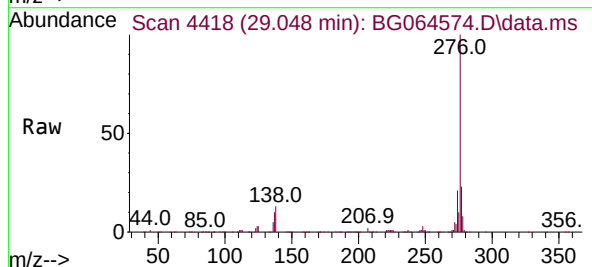
Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 66.979 ng
RT: 29.048 min Scan# 4418
Delta R.T. -0.013 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 276 Resp: 1729035
Ion Ratio Lower Upper
276 100
277 22.9 19.2 28.8
138 12.6 10.7 16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064575.D
 Acq On : 24 Oct 2025 14:24
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:24 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.221	152	45466	20.000	ng	0.00
21) Naphthalene-d8	11.053	136	179569	20.000	ng	0.00
39) Acenaphthene-d10	14.842	164	133797	20.000	ng	0.00
64) Phenanthrene-d10	17.580	188	333421	20.000	ng	0.00
76) Chrysene-d12	21.863	240	363291	20.000	ng	0.00
86) Perylene-d12	25.201	264	382372	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	411587	151.948	ng	0.00
7) Phenol-d6	7.357	99	554287	149.124	ng	0.00
23) Nitrobenzene-d5	9.390	82	511341	171.034	ng	0.00
42) 2,4,6-Tribromophenol	16.323	330	328066	169.886	ng	0.00
45) 2-Fluorobiphenyl	13.479	172	1314892	148.960	ng	0.00
79) Terphenyl-d14	20.177	244	2697491	140.125	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.591	88	83655	69.757	ng	99
3) Pyridine	3.996	79	259519	72.062	ng	96
4) n-Nitrosodimethylamine	3.908	42	141185	73.105	ng	99
6) Aniline	7.533	93	364528	72.073	ng	99
8) 2-Chlorophenol	7.780	128	221112	77.988	ng	99
9) Benzaldehyde	7.339	77	120456	59.361	ng	94
10) Phenol	7.386	94	307886	74.900	ng	98
11) bis(2-Chloroethyl)ether	7.533	93	364528	72.073	ng	99
12) 1,3-Dichlorobenzene	8.109	146	236208	72.385	ng	98
13) 1,4-Dichlorobenzene	8.256	146	240570	72.504	ng	97
14) 1,2-Dichlorobenzene	8.579	146	233326	72.905	ng	98
15) Benzyl Alcohol	8.456	79	233374	76.140	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.743	45	573671	72.364	ng	99
17) 2-Methylphenol	8.450	107	116107	75.783	ng	89
18) Hexachloroethane	9.325	117	87876	75.469	ng	98
19) n-Nitroso-di-n-propyla...	9.031	70	192155	74.804	ng	99
20) 3+4-Methylphenols	8.984	107	285690	74.434	ng	98
22) Acetophenone	9.049	105	365265	74.412	ng	# 99
24) Nitrobenzene	9.431	77	273231	84.025	ng	97
25) Isophorone	9.966	82	539122	75.150	ng	100
26) 2-Nitrophenol	10.148	139	103090	79.938	ng	94
27) 2,4-Dimethylphenol	10.195	122	217977m	80.082	ng	
28) bis(2-Chloroethoxy)met...	10.436	93	299758	73.388	ng	99
29) 2,4-Dichlorophenol	10.682	162	231256	80.526	ng	97
30) 1,2,4-Trichlorobenzene	10.906	180	250883	76.888	ng	97
31) Naphthalene	11.100	128	744985	74.828	ng	99
32) Benzoic acid	10.342	122	164443m	78.645	ng	
33) 4-Chloroaniline	11.188	127	290611	75.100	ng	98
34) Hexachlorobutadiene	11.393	225	196140	76.863	ng	99
35) Caprolactam	11.975	113	83266	75.596	ng	93
36) 4-Chloro-3-methylphenol	12.298	107	265909	77.031	ng	99
37) 2-Methylnaphthalene	12.692	142	542132	74.168	ng	99
38) 1-Methylnaphthalene	12.909	142	527717	73.372	ng	98
40) 1,2,4,5-Tetrachloroben...	13.056	216	351719	78.328	ng	99
41) Hexachlorocyclopentadiene	13.038	237	163461	80.876	ng	99
43) 2,4,6-Trichlorophenol	13.279	196	218318	84.998	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064575.D
 Acq On : 24 Oct 2025 14:24
 Operator : RC/JU
 Sample : SSTDICC080
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:24 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.350	196	243241	82.064	ng	99
46) 1,1'-Biphenyl	13.685	154	713186	74.977	ng	100
47) 2-Chloronaphthalene	13.732	162	547242	76.218	ng	99
48) 2-Nitroaniline	13.914	65	196580	79.301	ng	95
49) Acenaphthylene	14.566	152	858511	75.806	ng	99
50) Dimethylphthalate	14.290	163	782708	76.450	ng	98
51) 2,6-Dinitrotoluene	14.402	165	135769	78.216	ng	98
52) Acenaphthene	14.913	154	589213	76.150	ng	99
53) 3-Nitroaniline	14.731	138	159072	90.409	ng	96
54) 2,4-Dinitrophenol	14.930	184	82655	79.755	ng	# 65
55) Dibenzofuran	15.242	168	923386	73.816	ng	99
56) 4-Nitrophenol	15.018	139	142966	87.640	ng	98
57) 2,4-Dinitrotoluene	15.189	165	212164	79.117	ng	96
58) Fluorene	15.888	166	711212	72.801	ng	98
59) 2,3,4,6-Tetrachlorophenol	15.459	232	240094	84.708	ng	99
60) Diethylphthalate	15.653	149	803621	76.874	ng	100
61) 4-Chlorophenyl-phenyle...	15.876	204	408239	74.463	ng	99
62) 4-Nitroaniline	15.894	138	173159	88.462	ng	96
63) Azobenzene	16.170	77	723988	75.482	ng	99
65) 4,6-Dinitro-2-methylph...	15.947	198	124101	80.450	ng	95
66) n-Nitrosodiphenylamine	16.088	169	666665	74.020	ng	98
67) 4-Bromophenyl-phenylether	16.769	248	299348	75.762	ng	99
68) Hexachlorobenzene	16.893	284	341338	75.724	ng	96
69) Atrazine	17.028	200	281950	72.745	ng	97
70) Pentachlorophenol	17.228	266	235472	83.771	ng	93
71) Phenanthrene	17.627	178	1340610	73.525	ng	99
72) Anthracene	17.715	178	1367044	73.704	ng	99
73) Carbazole	17.974	167	1195960	73.122	ng	99
74) Di-n-butylphthalate	18.538	149	1433446	75.790	ng	100
75) Fluoranthene	19.619	202	1663673	72.835	ng	98
77) Benzidine	19.783	184	556525	68.376	ng	98
78) Pyrene	19.977	202	1737788	73.215	ng	99
80) Butylbenzylphthalate	20.859	149	595333	82.988	ng	98
81) Benzo(a)anthracene	21.840	228	1805628	74.959	ng	99
82) 3,3'-Dichlorobenzidine	21.740	252	615546	76.524	ng	99
83) Chrysene	21.910	228	1704533	74.368	ng	97
84) Bis(2-ethylhexyl)phtha...	21.752	149	854027	79.672	ng	98
85) Di-n-octyl phthalate	23.015	149	1432956	79.289	ng	100
87) Indeno(1,2,3-cd)pyrene	29.061	276	2156428	76.663	ng	98
88) Benzo(b)fluoranthene	24.143	252	1810094	77.199	ng	99
89) Benzo(k)fluoranthene	24.219	252	1757758	74.916	ng	98
90) Benzo(a)pyrene	25.060	252	1649779	76.546	ng	99
91) Dibenzo(a,h)anthracene	29.137	278	1747890	76.486	ng	98
92) Benzo(g,h,i)perylene	29.061	276	2156428	76.663	ng	99

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

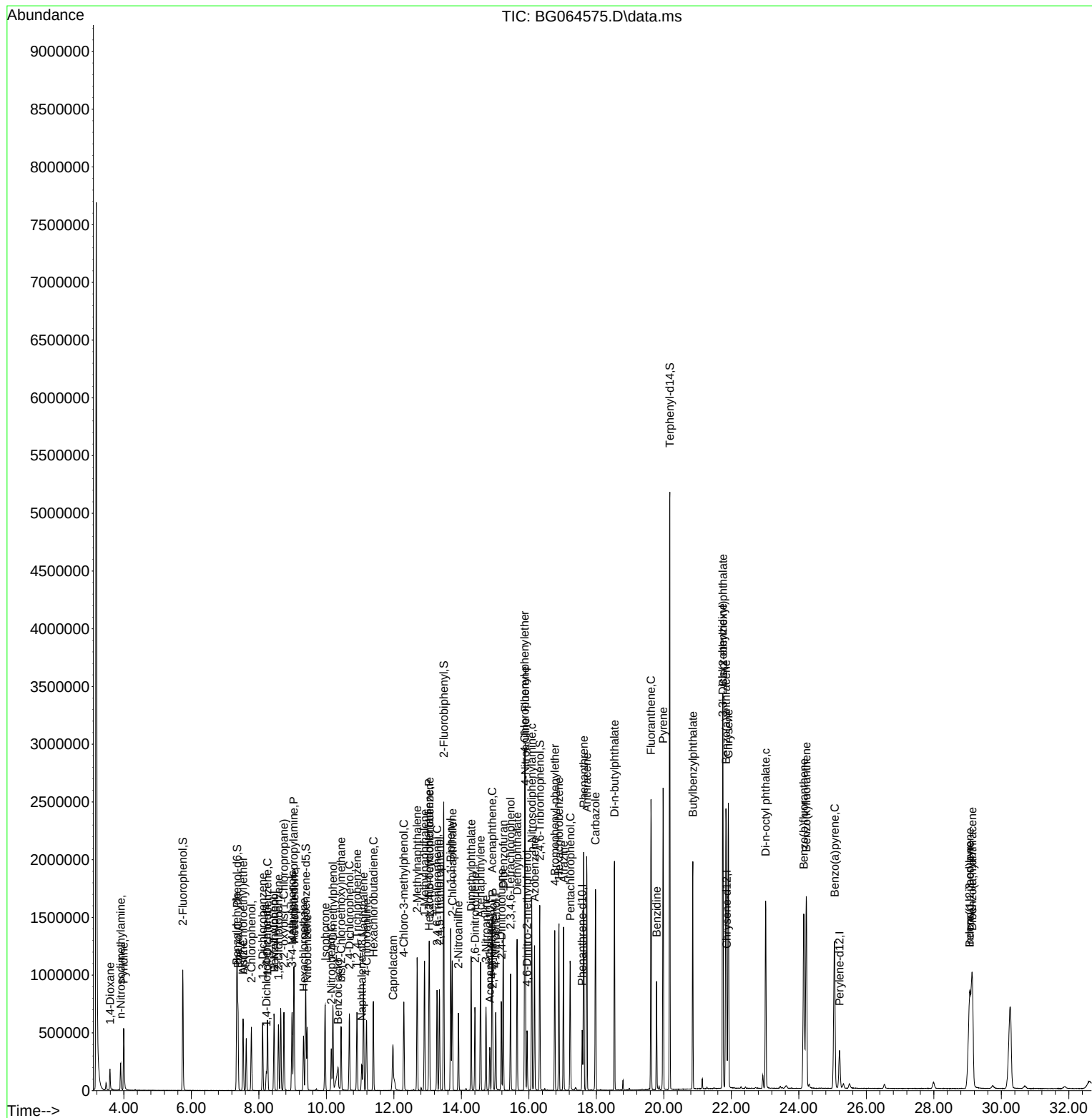
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064575.D
Acq On : 24 Oct 2025 14:24
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

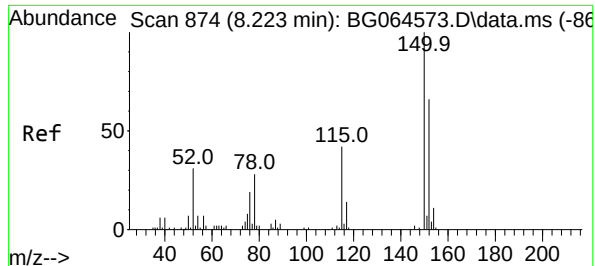
Instrument :
BNA_G
ClientSampleId :
SSTDICC080

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

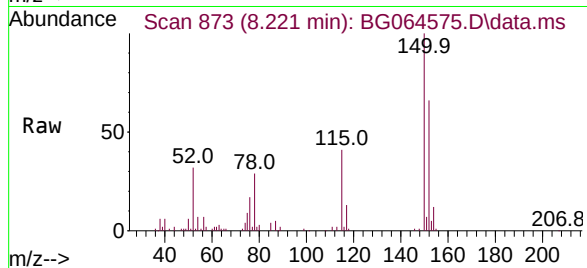
Quant Time: Oct 24 17:11:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.221 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

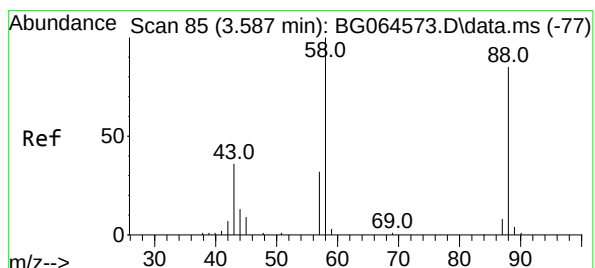
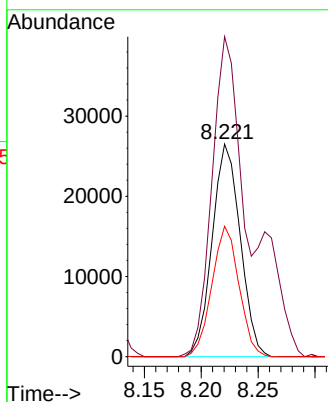
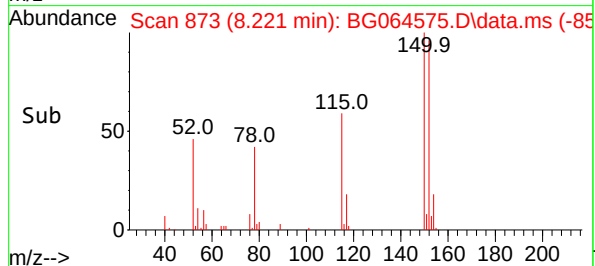
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:152 Resp: 45466
Ion Ratio Lower Upper
152 100
150 150.5 122.2 183.4
115 61.3 50.8 76.2

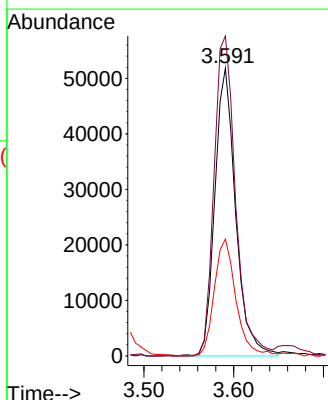
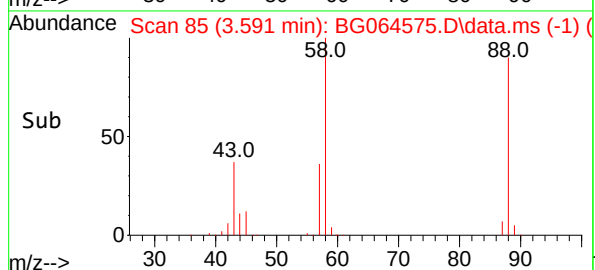
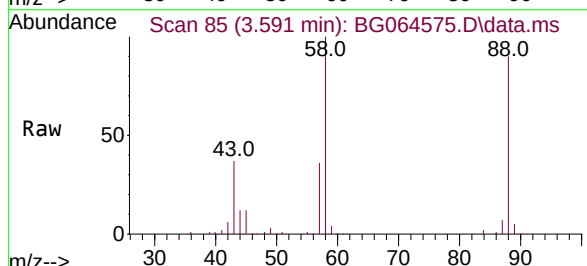
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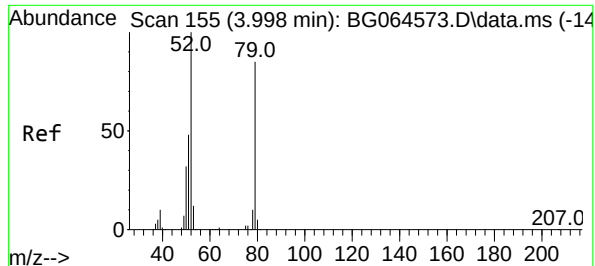
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#2
1,4-Dioxane
Concen: 69.757 ng
RT: 3.591 min Scan# 85
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

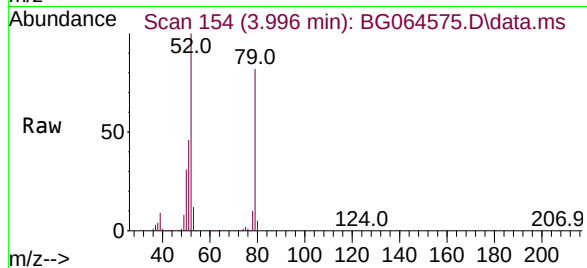
Tgt Ion: 88 Resp: 83655
Ion Ratio Lower Upper
88 100
58 114.3 92.4 138.6
43 42.2 33.0 49.6





#3
Pyridine
Concen: 72.062 ng
RT: 3.996 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

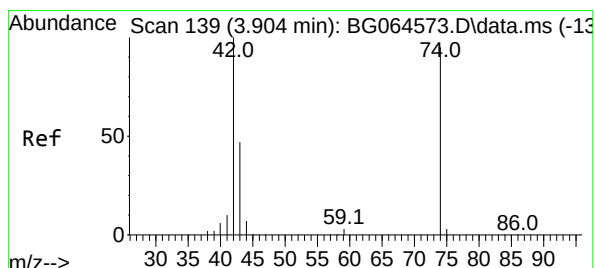
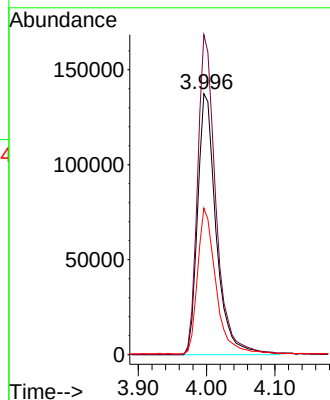
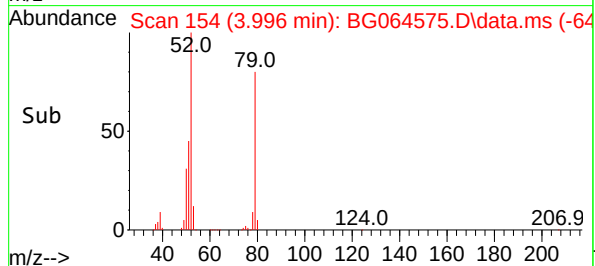
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion: 79 Resp: 259519
Ion Ratio Lower Upper
79 100
52 122.7 94.2 141.2
51 56.2 46.1 69.1

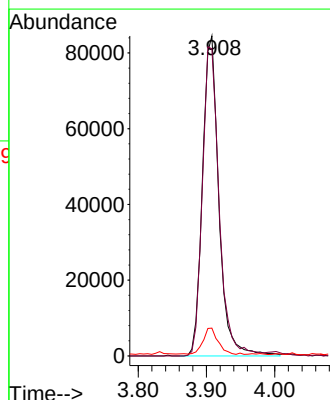
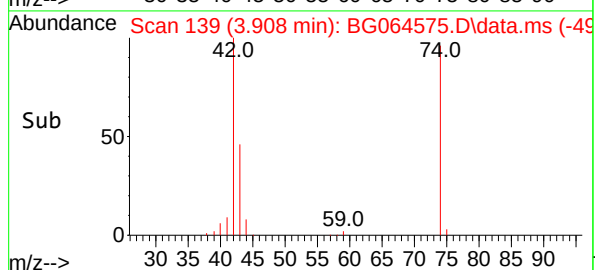
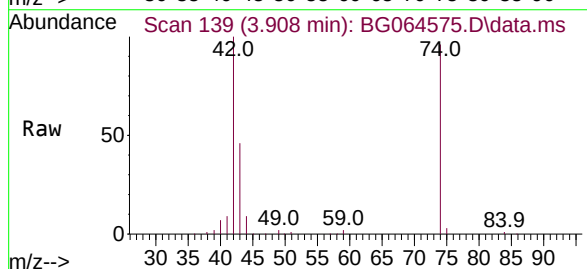
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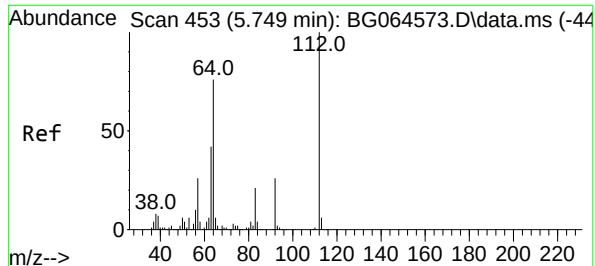
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#4
n-Nitrosodimethylamine
Concen: 73.105 ng
RT: 3.908 min Scan# 139
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

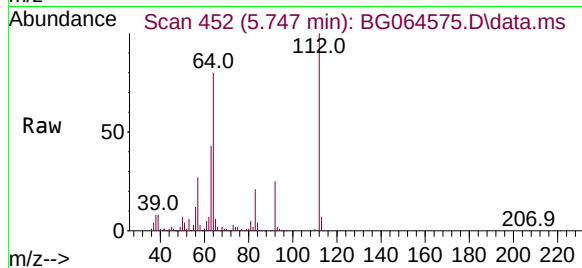
Tgt Ion: 42 Resp: 141185
Ion Ratio Lower Upper
42 100
74 96.0 76.1 114.1
44 8.7 6.3 9.5





#5
2-Fluorophenol
Concen: 151.948 ng
RT: 5.747 min Scan# 453
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

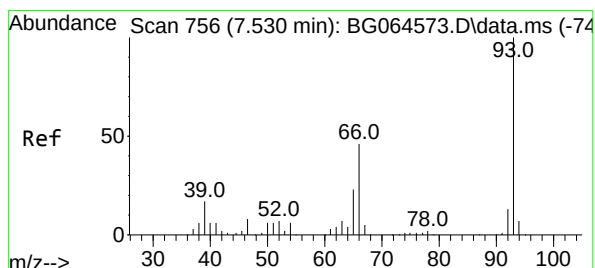
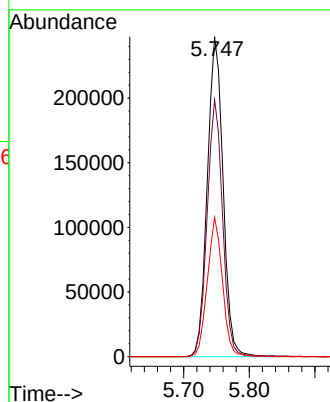
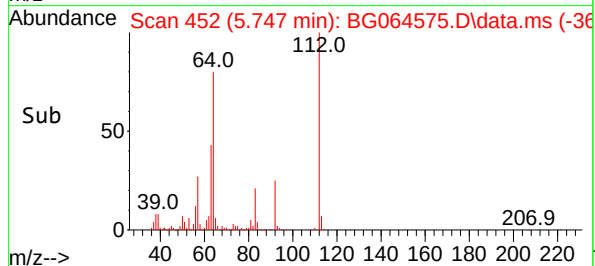
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:112 Resp: 411587
Ion Ratio Lower Upper
112 100
64 80.3 60.7 91.1
63 43.5 33.4 50.0

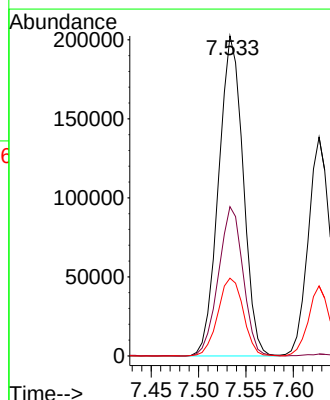
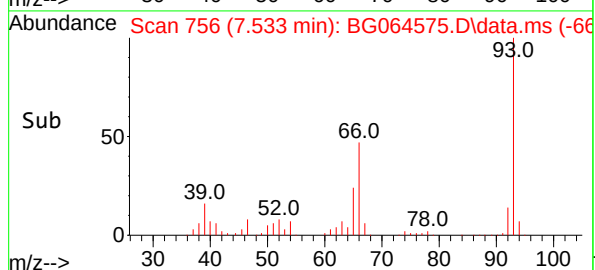
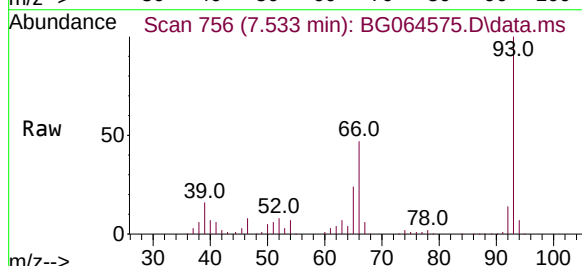
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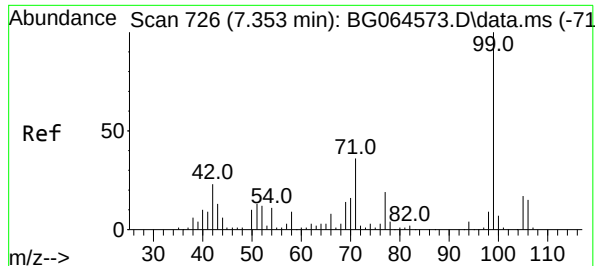
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#6
Aniline
Concen: 72.073 ng
RT: 7.533 min Scan# 756
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

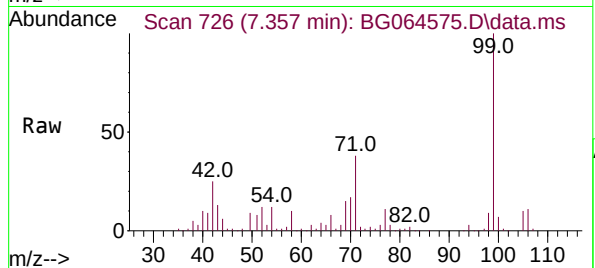
Tgt Ion: 93 Resp: 364528
Ion Ratio Lower Upper
93 100
66 46.6 37.0 55.6
65 24.3 18.3 27.5





#7
Phenol-d6
Concen: 149.124 ng
RT: 7.357 min Scan# 726
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

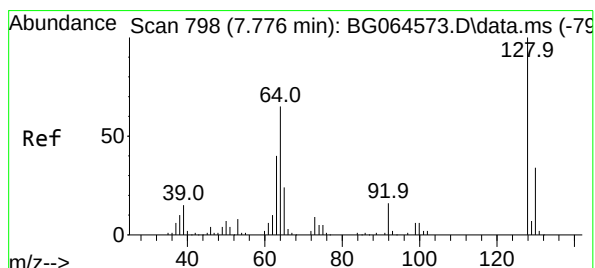
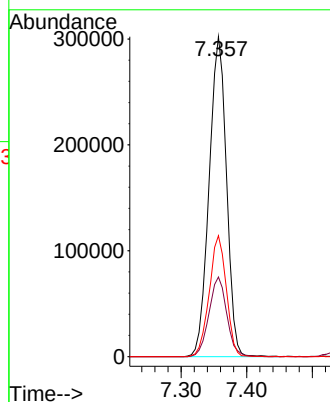
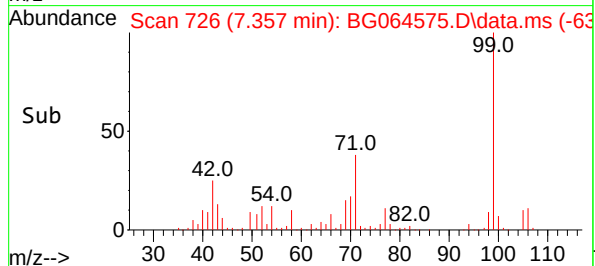
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



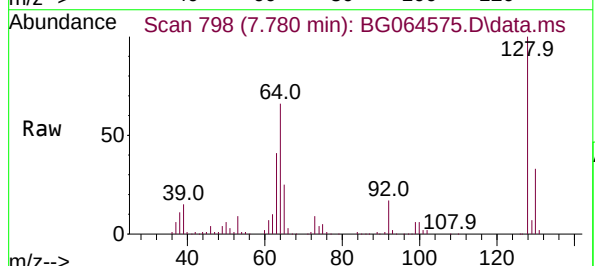
Tgt Ion: 99 Resp: 55428
Ion Ratio Lower Upper
99 100
42 24.9 18.3 27.5
71 37.8 28.6 43.0

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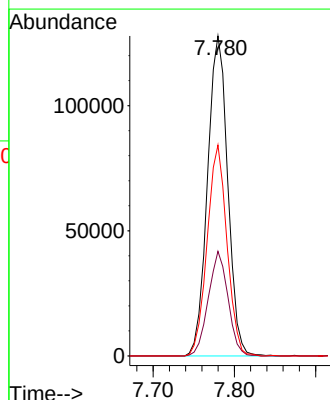
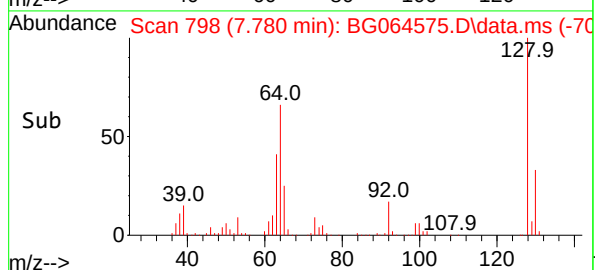
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

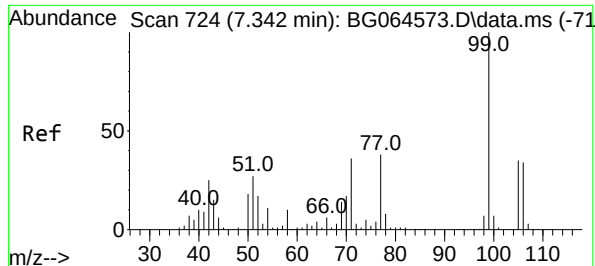


#8
2-Chlorophenol
Concen: 77.988 ng
RT: 7.780 min Scan# 798
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



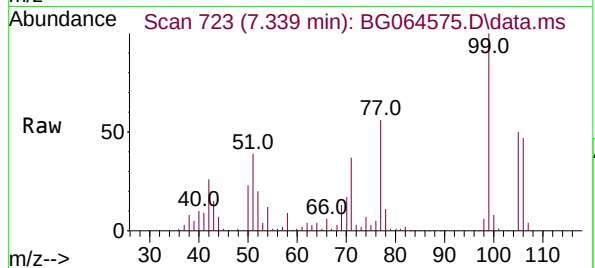
Tgt Ion:128 Resp: 221112
Ion Ratio Lower Upper
128 100
130 32.7 13.5 53.5
64 65.9 45.2 85.2





#9
Benzaldehyde
Concen: 59.361 ng
RT: 7.339 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

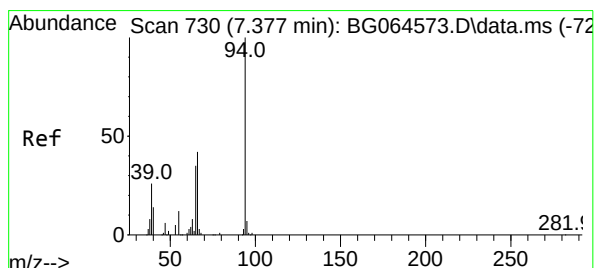
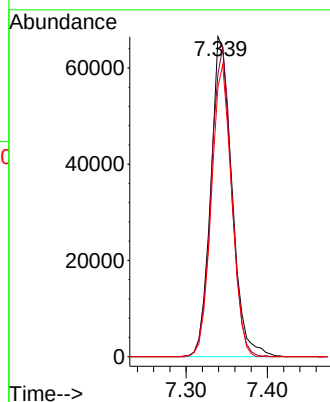
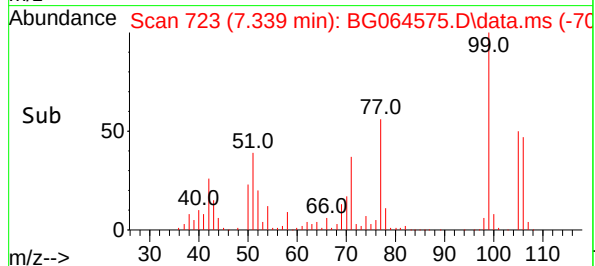
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion: 77 Resp: 120456
Ion Ratio Lower Upper
77 100
105 88.4 72.9 112.9
106 84.2 70.8 110.8

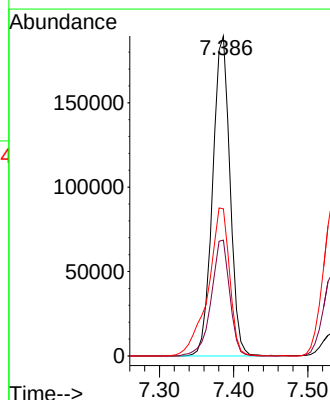
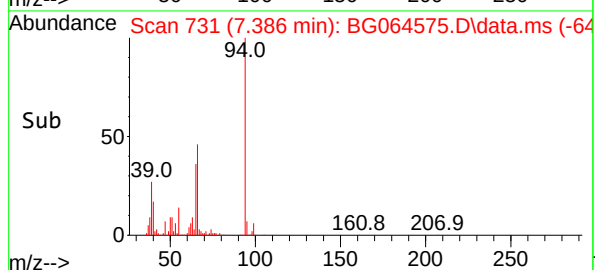
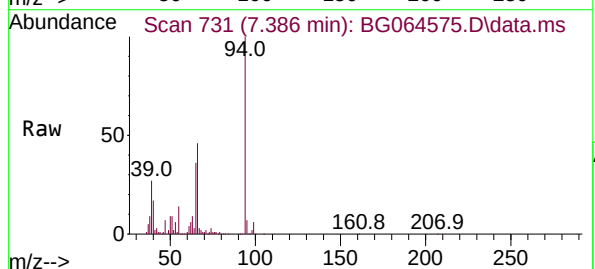
Manual Integrations
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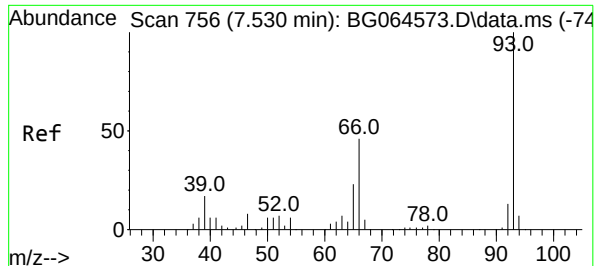
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#10
Phenol
Concen: 74.900 ng
RT: 7.386 min Scan# 731
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

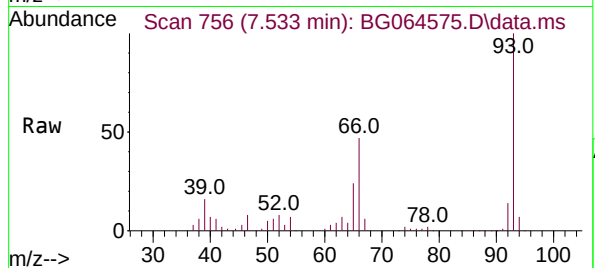
Tgt Ion: 94 Resp: 307886
Ion Ratio Lower Upper
94 100
65 36.2 15.8 55.8
66 46.0 24.0 64.0





#11
bis(2-Chloroethyl)ether
Concen: 72.073 ng
RT: 7.533 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

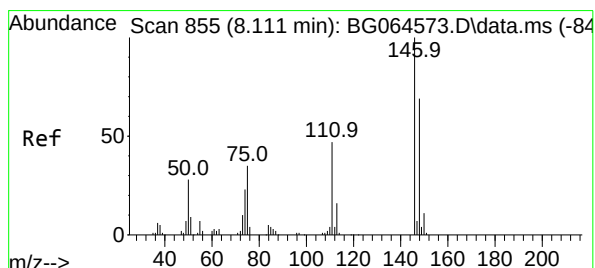
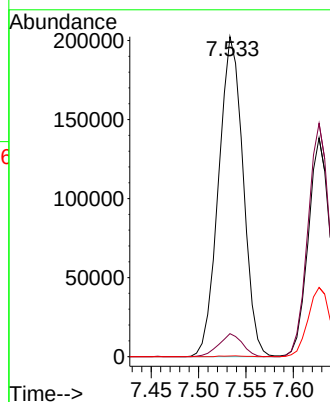
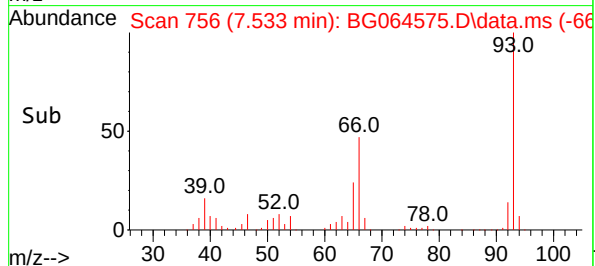
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion: 93 Resp: 364528
Ion Ratio Lower Upper
93 100
63 7.2 0.0 27.4
95 0.2 0.0 20.2

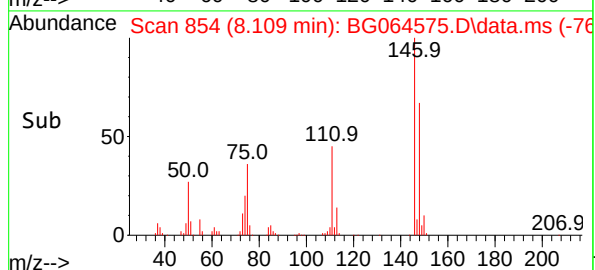
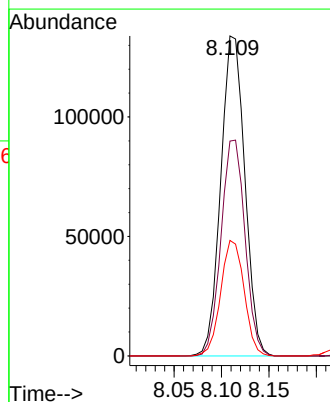
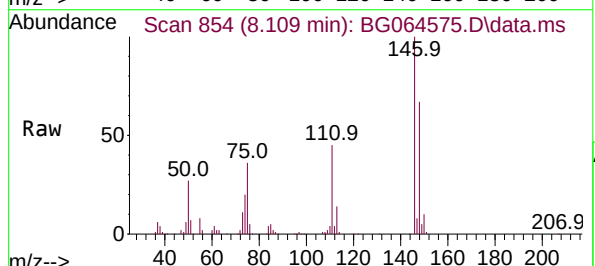
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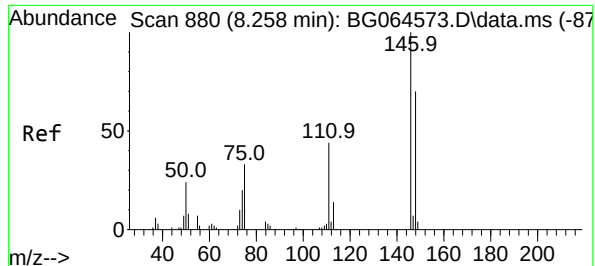
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#12
1,3-Dichlorobenzene
Concen: 72.385 ng
RT: 8.109 min Scan# 854
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:146 Resp: 236208
Ion Ratio Lower Upper
146 100
148 67.1 55.3 82.9
75 36.1 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 72.504 ng

RT: 8.256 min Scan# 81

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:146 Resp: 240570

Ion Ratio Lower Upper

146 100

148 66.4 56.2 84.4

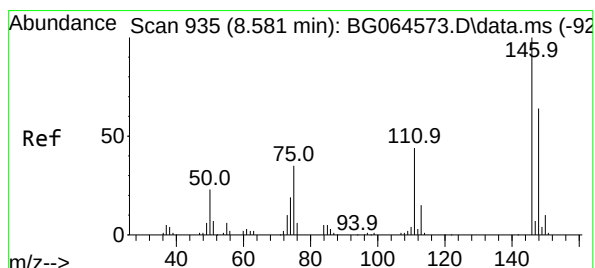
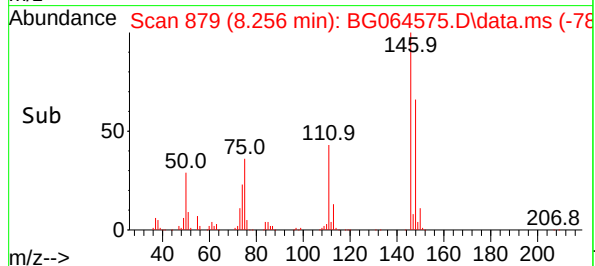
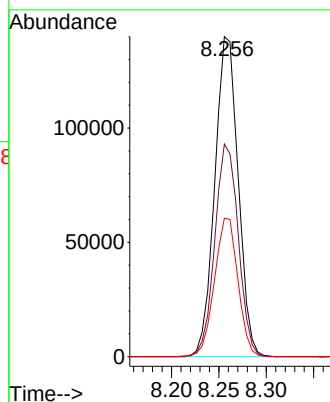
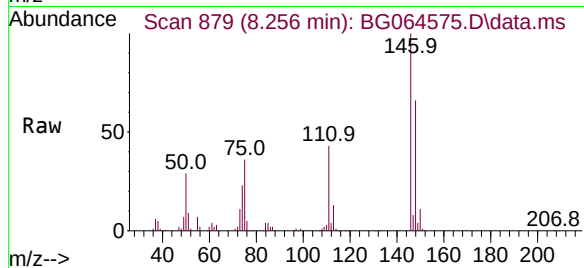
111 43.2 35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#14

1,2-Dichlorobenzene

Concen: 72.905 ng

RT: 8.579 min Scan# 934

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

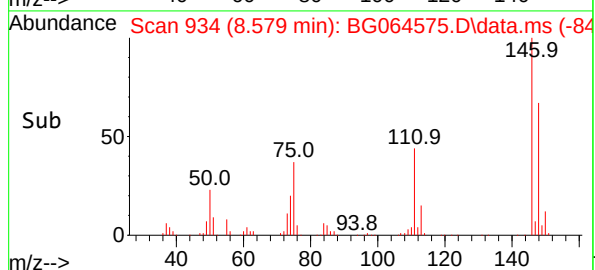
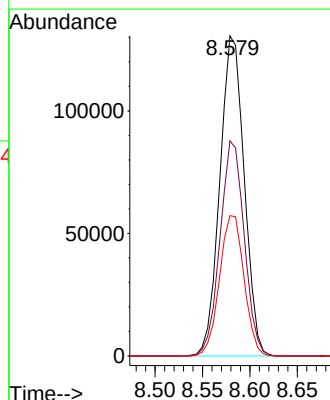
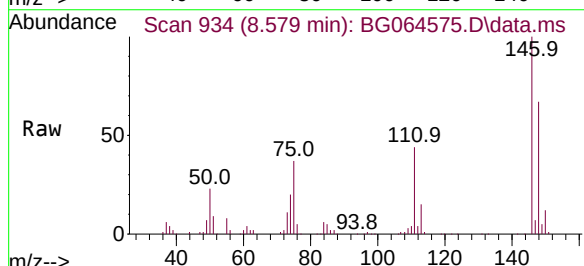
Tgt Ion:146 Resp: 233326

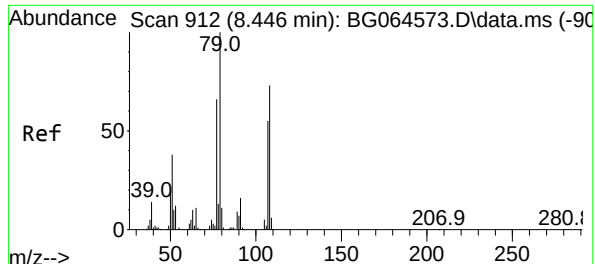
Ion Ratio Lower Upper

146 100

148 67.2 51.5 77.3

111 43.8 35.0 52.6





#15

Benzyl Alcohol

Concen: 76.140 ng

RT: 8.456 min Scan# 91

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion: 79 Resp: 233374

Ion Ratio Lower Upper

79 100

108 67.5 58.1 87.1

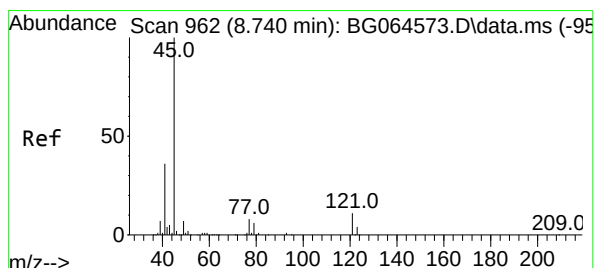
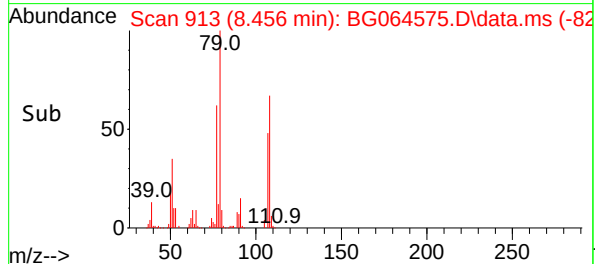
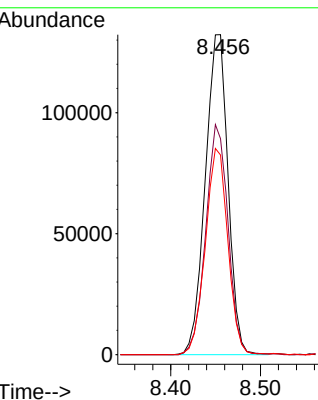
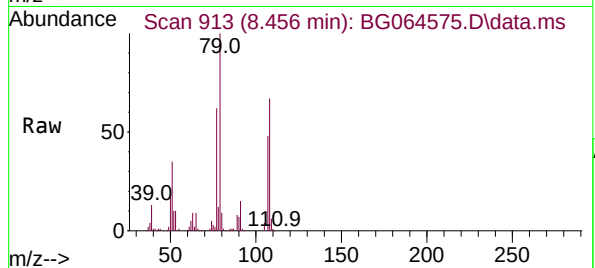
77 62.4 52.8 79.2

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 72.364 ng

RT: 8.743 min Scan# 962

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

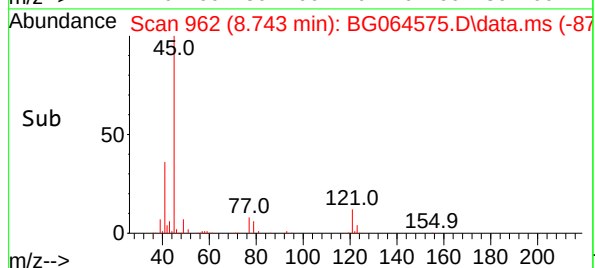
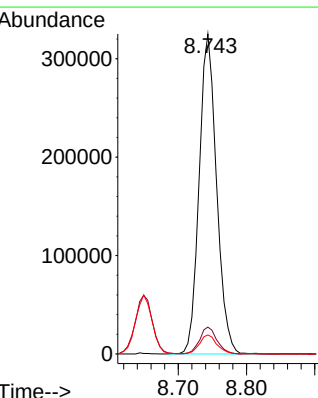
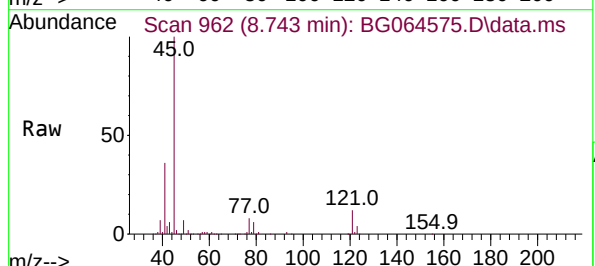
Tgt Ion: 45 Resp: 573671

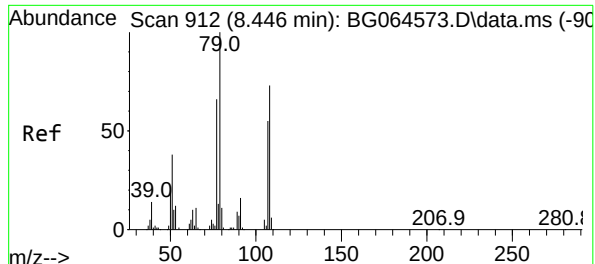
Ion Ratio Lower Upper

45 100

77 8.4 0.0 28.5

79 5.9 0.0 25.6





#17

2-Methylphenol

Concen: 75.783 ng

RT: 8.450 min Scan# 912

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:107 Resp: 116107

Ion Ratio Lower Upper

107 100

108 145.0 106.4 159.6

77 130.0 96.7 145.1

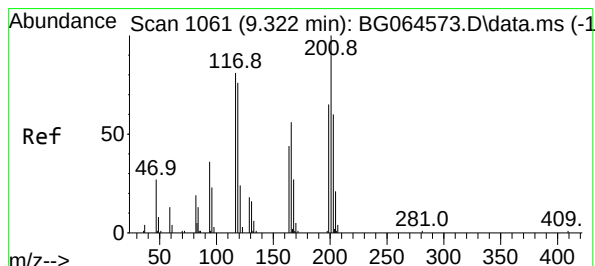
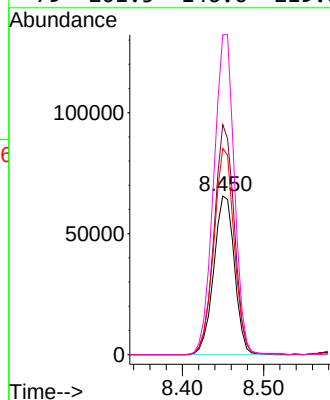
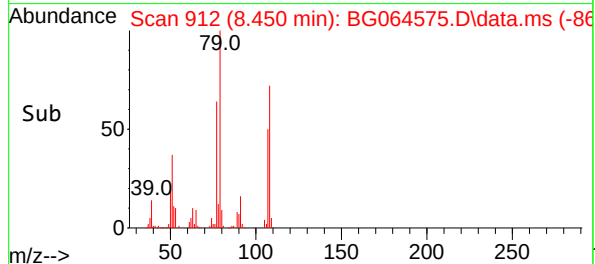
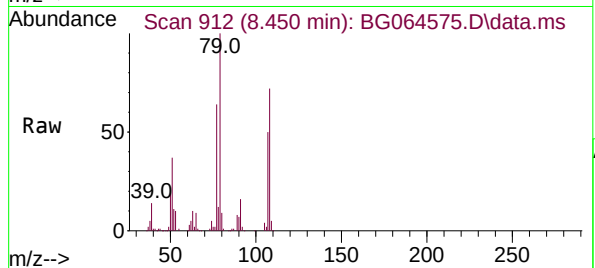
79 201.5 146.6 219.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#18

Hexachloroethane

Concen: 75.469 ng

RT: 9.325 min Scan# 1061

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

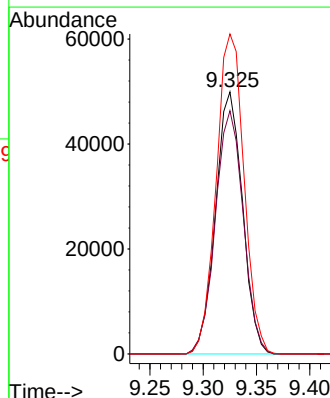
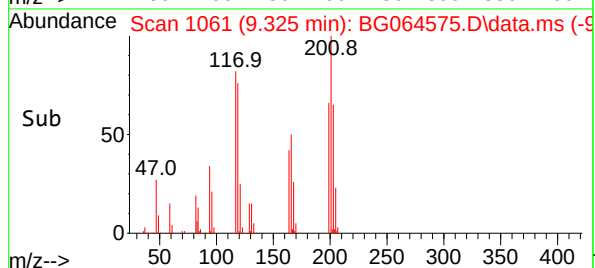
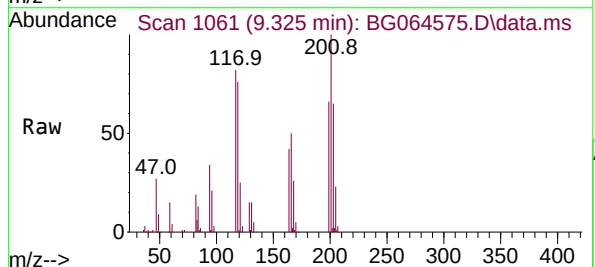
Tgt Ion:117 Resp: 87876

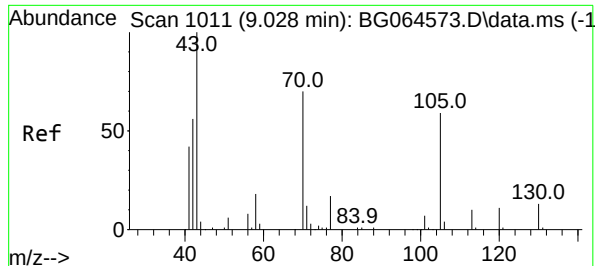
Ion Ratio Lower Upper

117 100

119 92.8 75.4 113.2

201 122.1 99.2 148.8





#19

n-Nitroso-di-n-propylamine

Concen: 74.804 ng

RT: 9.031 min Scan# 1011

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

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

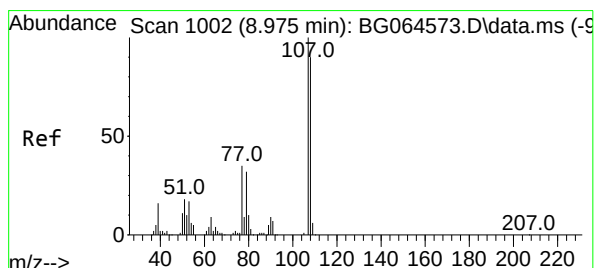
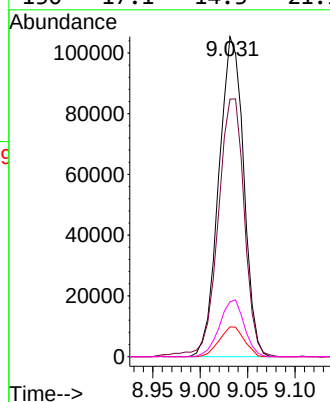
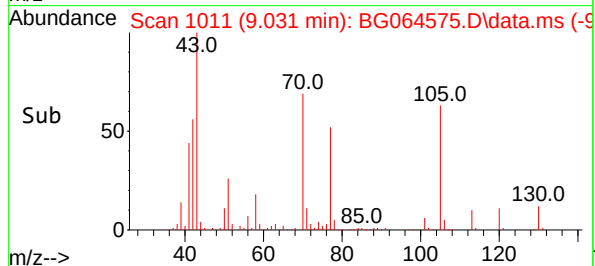
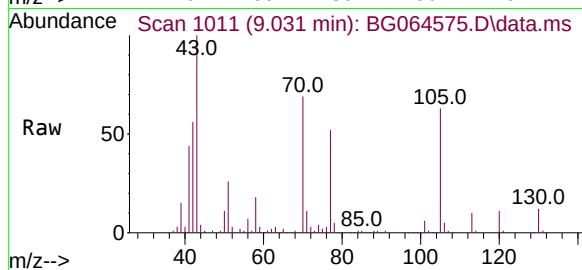
130 17.1 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#20

3+4-Methylphenols

Concen: 74.434 ng

RT: 8.984 min Scan# 1003

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Tgt Ion:107 Resp: 285690

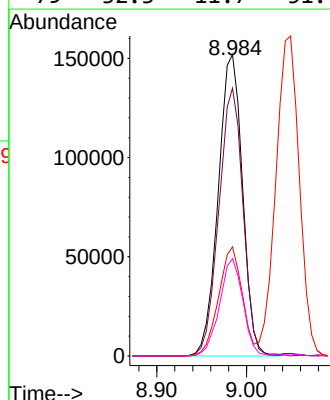
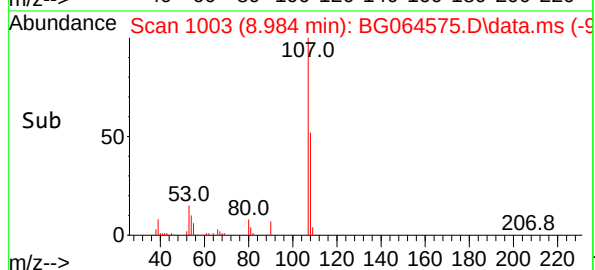
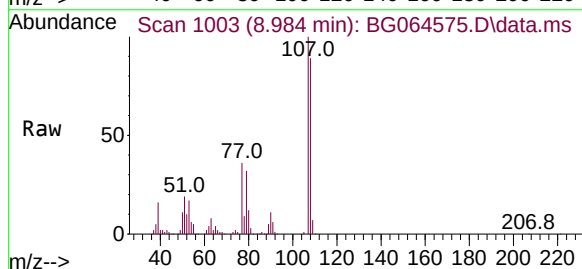
Ion Ratio Lower Upper

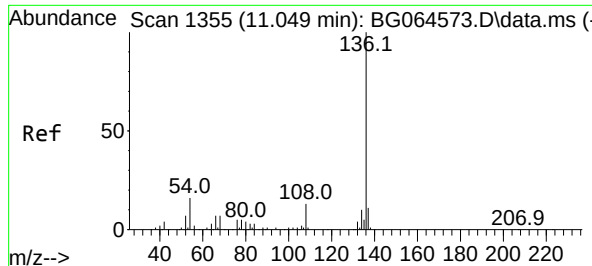
107 100

108 88.9 70.3 110.3

77 36.2 14.6 54.6

79 32.3 11.7 51.7





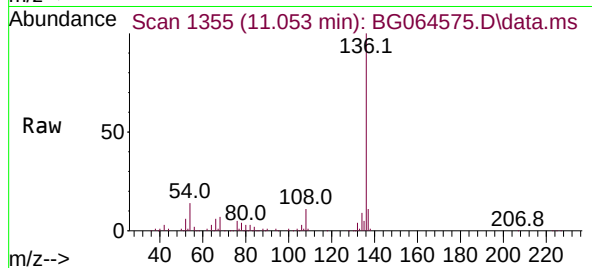
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.053 min Scan# 1355
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

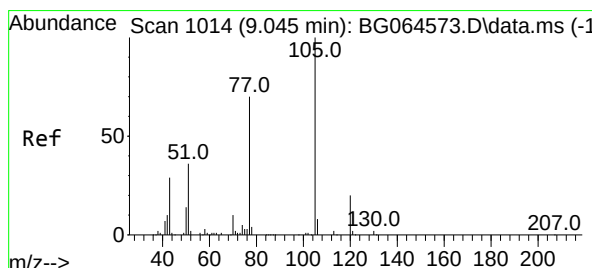
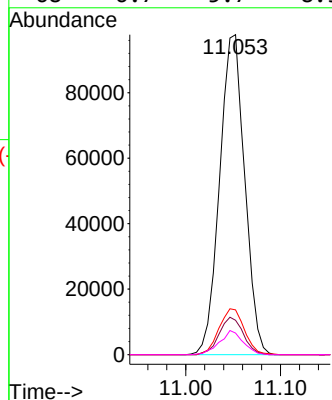
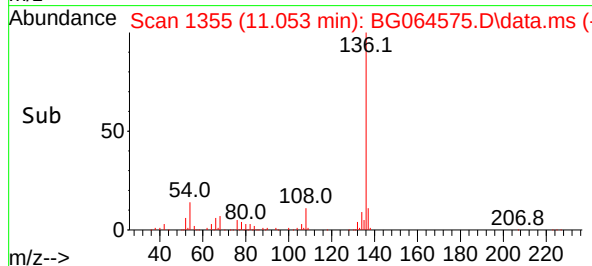


Tgt Ion:136 Resp: 179569
Ion Ratio Lower Upper
136 100
137 10.7 9.2 13.8
54 14.0 12.6 19.0
68 6.7 5.7 8.5

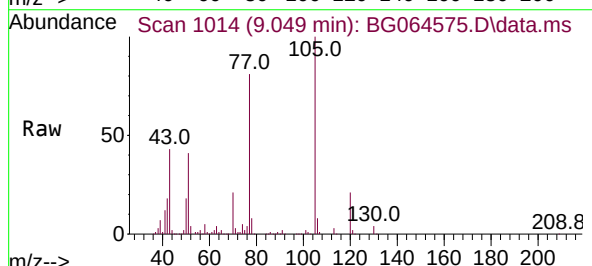
Manual Integrations

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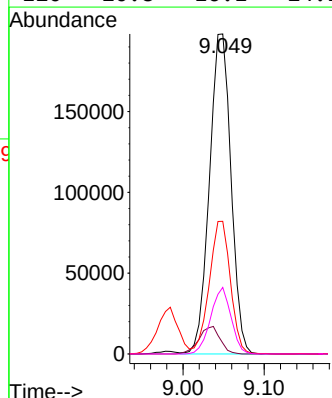
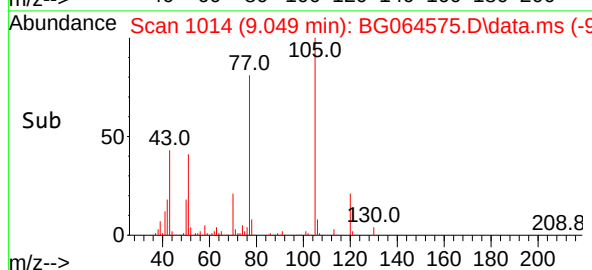
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

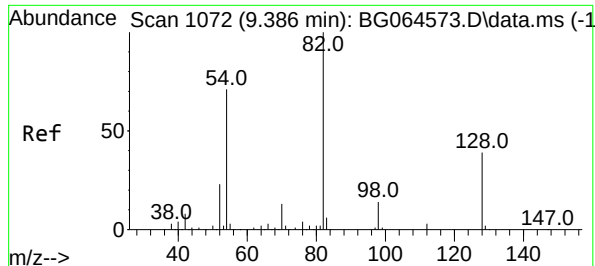


#22
Acetophenone
Concen: 74.412 ng
RT: 9.049 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



Tgt Ion:105 Resp: 365265
Ion Ratio Lower Upper
105 100
71 3.4 1.5 2.3#
51 41.4 33.7 50.5
120 20.8 16.1 24.1





#23

Nitrobenzene-d5

Concen: 171.034 ng

RT: 9.390 min Scan# 1072

Delta R.T. -0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion: 82 Resp: 51134

Ion Ratio Lower Upper

82 100

128 40.8 31.3 46.9

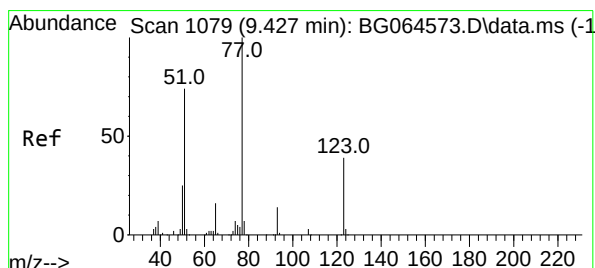
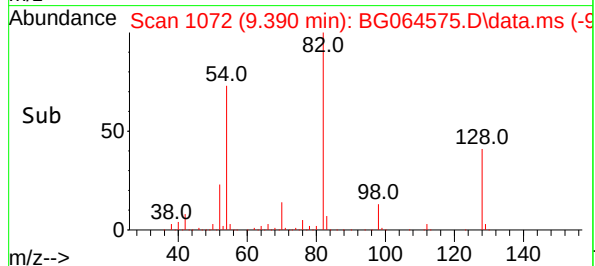
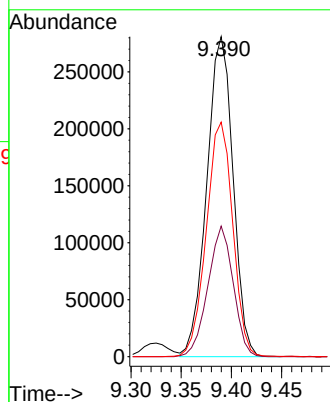
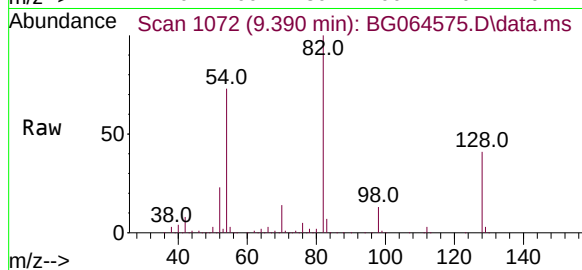
54 73.3 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#24

Nitrobenzene

Concen: 84.025 ng

RT: 9.431 min Scan# 1079

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

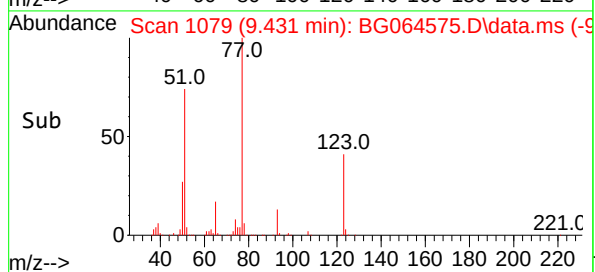
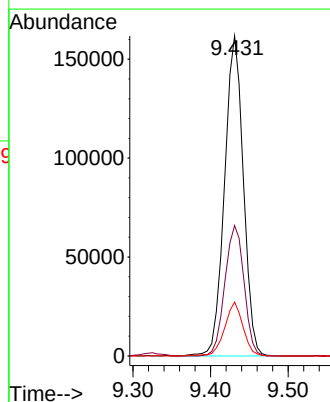
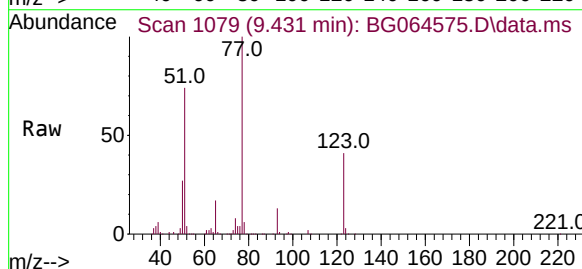
Tgt Ion: 77 Resp: 273231

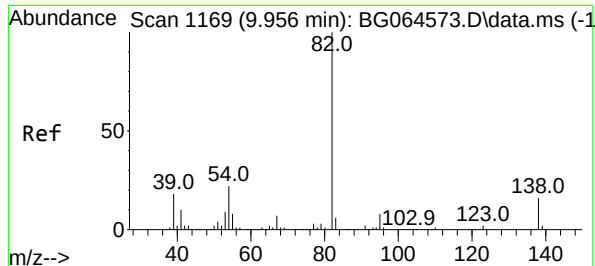
Ion Ratio Lower Upper

77 100

123 40.7 31.0 46.6

65 16.8 12.7 19.1





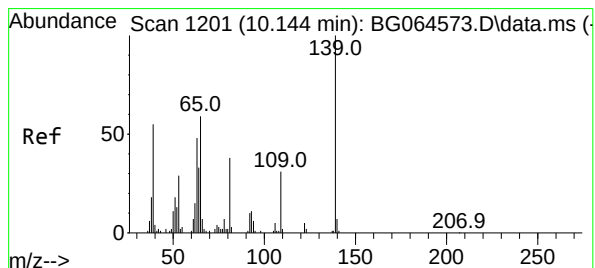
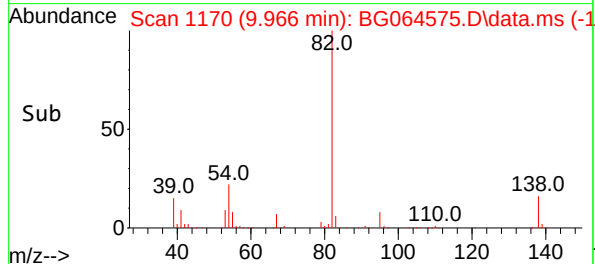
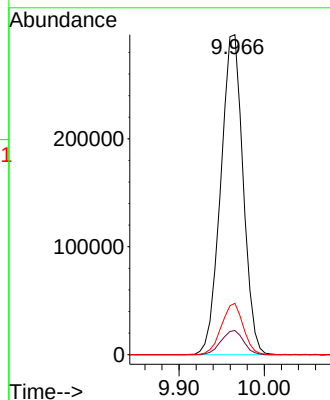
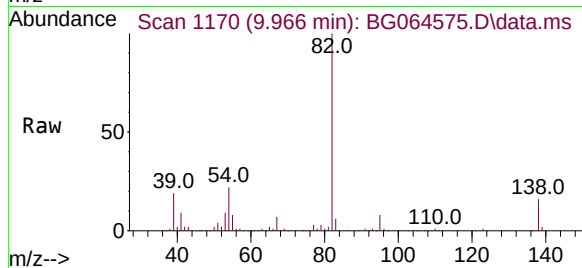
#25
Isophorone
Concen: 75.150 ng
RT: 9.966 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 539122
Ion Ratio Lower Upper
82 100
95 7.5 6.1 9.1
138 16.0 13.0 19.4

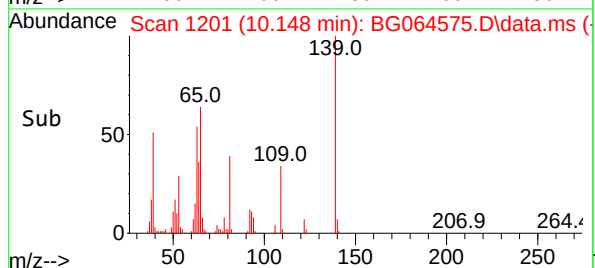
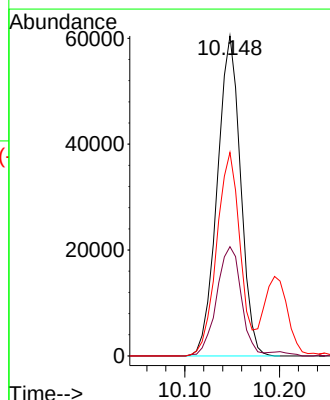
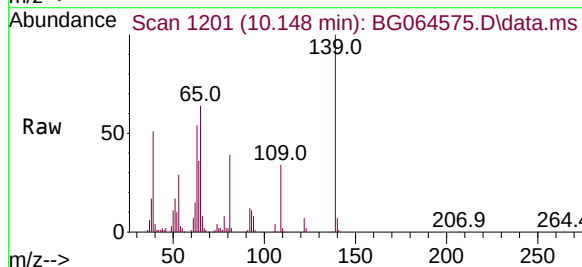
Manual Integrations
APPROVED

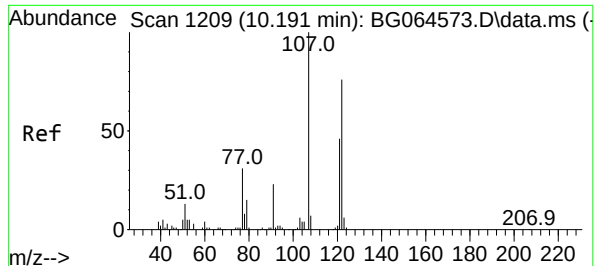
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#26
2-Nitrophenol
Concen: 79.938 ng
RT: 10.148 min Scan# 1201
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

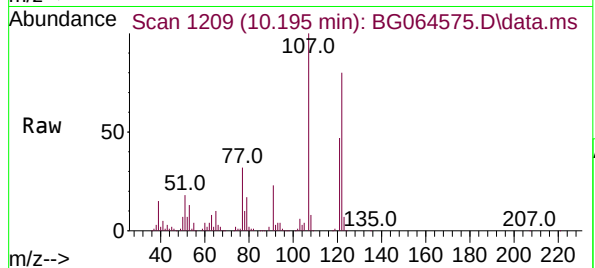
Tgt Ion:139 Resp: 103090
Ion Ratio Lower Upper
139 100
109 34.1 24.6 37.0
65 63.6 47.5 71.3





#27
2,4-Dimethylphenol
Concen: 80.082 ng m
RT: 10.195 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

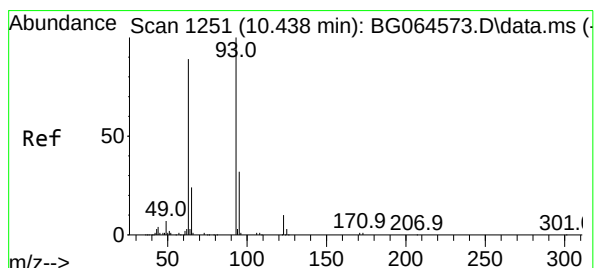
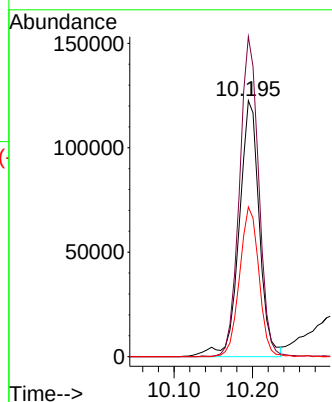
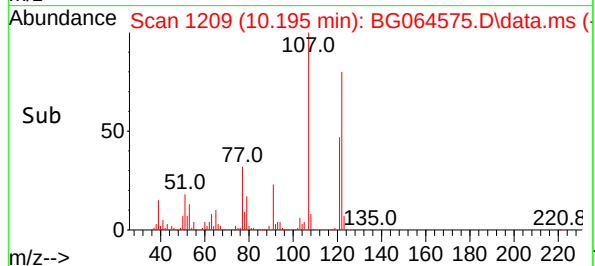
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:122 Resp: 217972
Ion Ratio Lower Upper
122 100
107 125.0 103.0 154.4
121 58.5 47.8 71.8

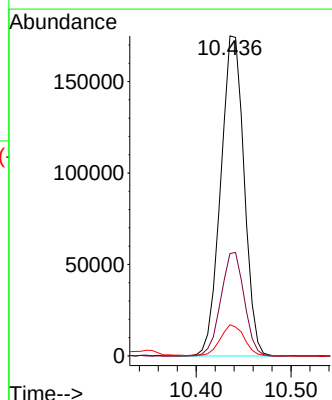
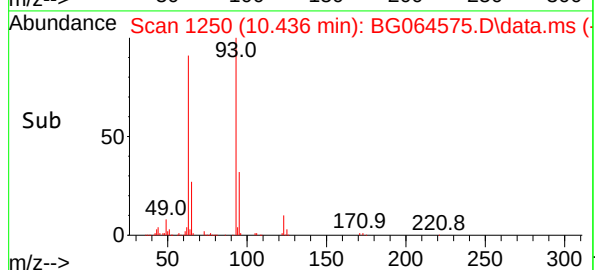
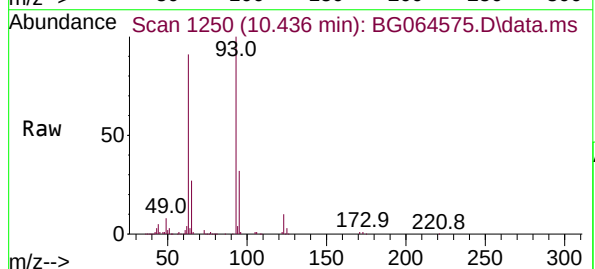
Manual Integrations
APPROVED

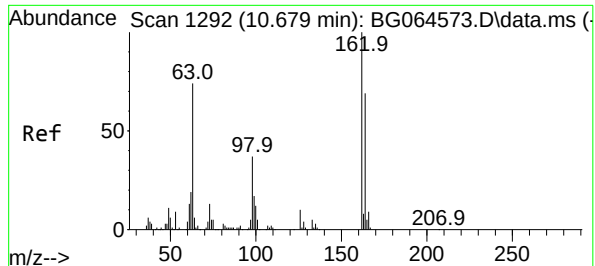
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#28
bis(2-Chloroethoxy)methane
Concen: 73.388 ng
RT: 10.436 min Scan# 1250
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

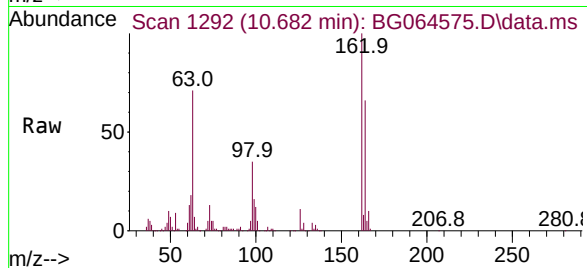
Tgt Ion: 93 Resp: 299758
Ion Ratio Lower Upper
93 100
95 32.0 25.4 38.2
123 9.7 8.4 12.6





#29
2,4-Dichlorophenol
Concen: 80.526 ng
RT: 10.682 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

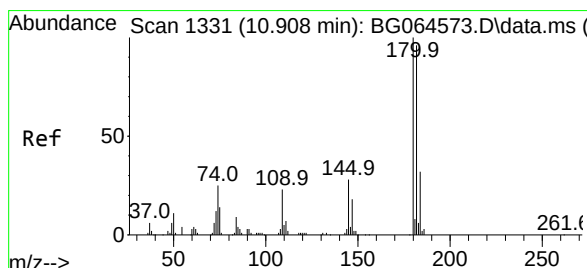
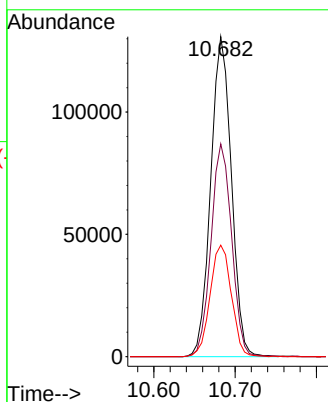
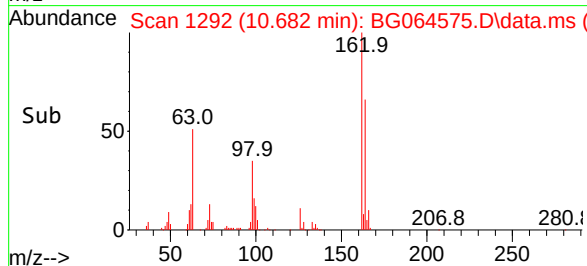
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



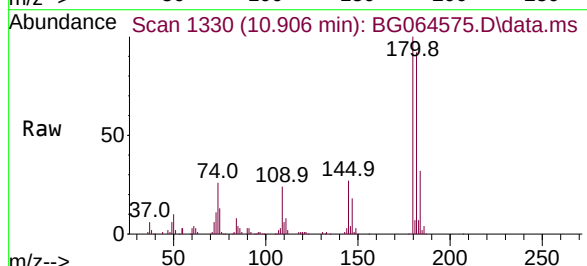
Tgt Ion:162 Resp: 231256
Ion Ratio Lower Upper
162 100
164 66.5 48.7 88.7
98 34.8 16.9 56.9

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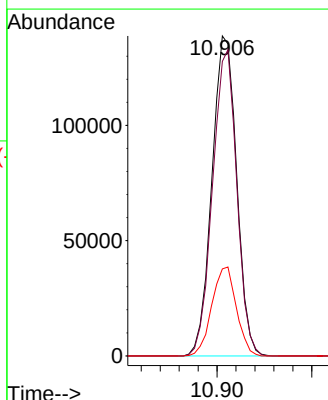
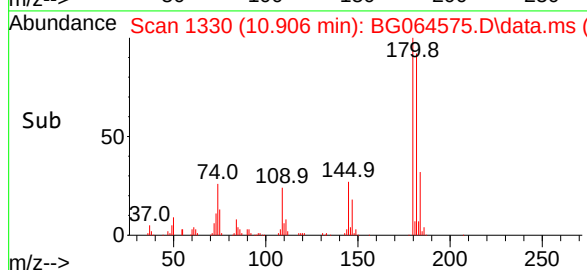
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

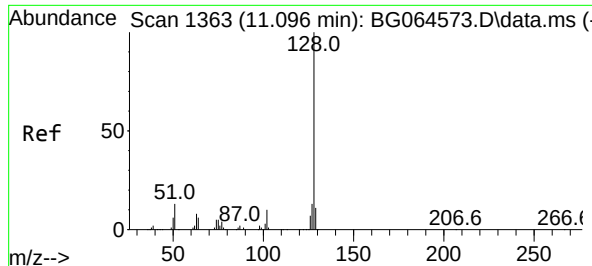


#30
1,2,4-Trichlorobenzene
Concen: 76.888 ng
RT: 10.906 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



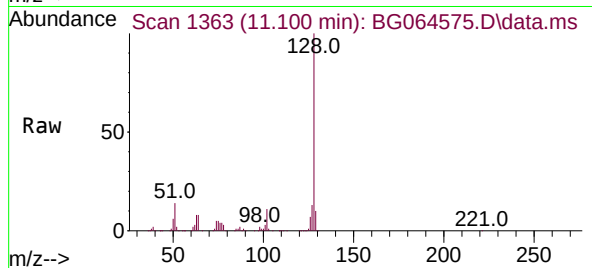
Tgt Ion:180 Resp: 250883
Ion Ratio Lower Upper
180 100
182 92.0 76.9 115.3
145 27.2 22.1 33.1





#31
Naphthalene
Concen: 74.828 ng
RT: 11.100 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

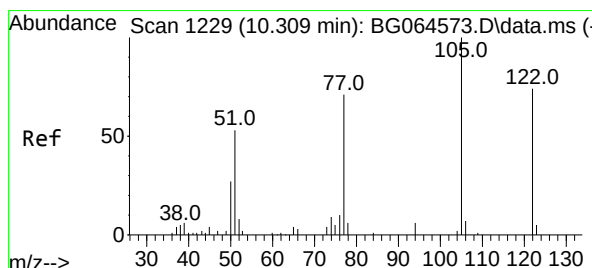
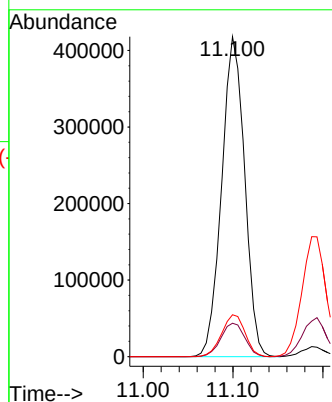
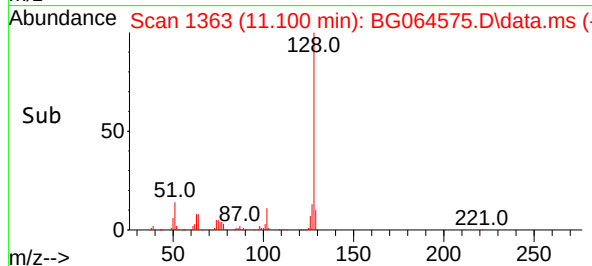
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:128 Resp: 744985
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 13.1 10.6 15.8

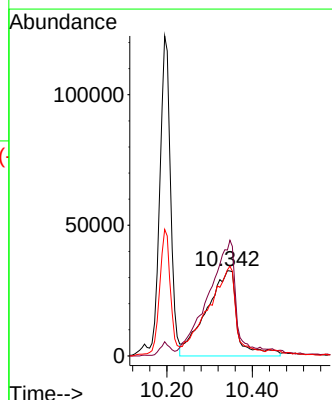
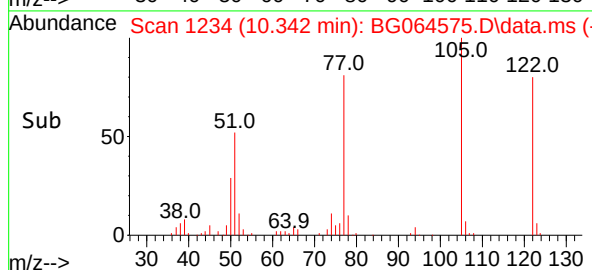
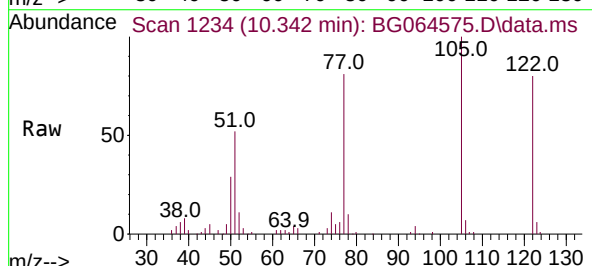
Manual Integrations
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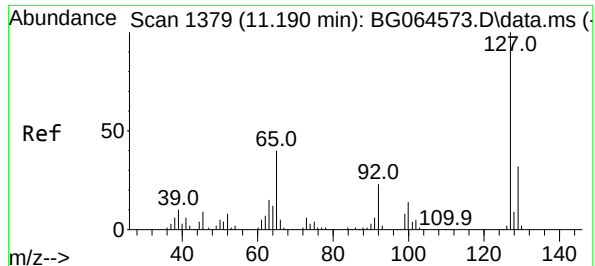
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#32
Benzoic acid
Concen: 78.645 ng m
RT: 10.342 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

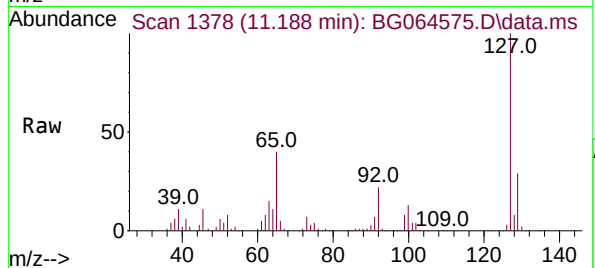
Tgt Ion:122 Resp: 164443
Ion Ratio Lower Upper
122 100
105 124.4 104.2 144.2
77 100.9 70.2 110.2





#33
4-Chloroaniline
Concen: 75.100 ng
RT: 11.188 min Scan# 1379
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

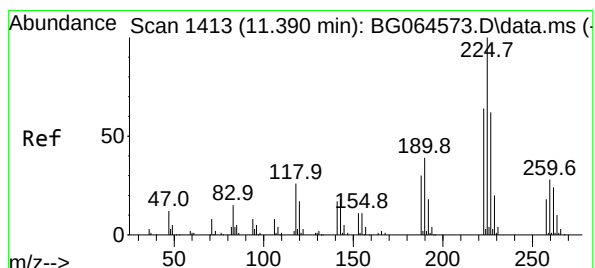
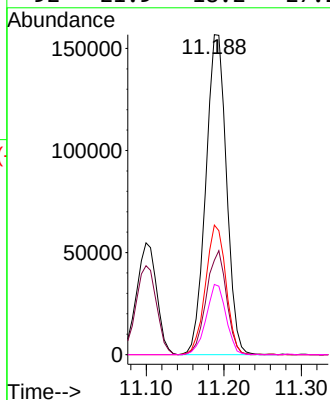
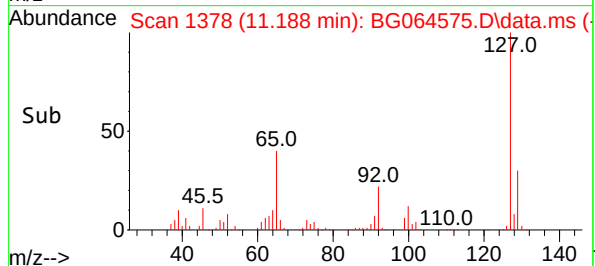
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



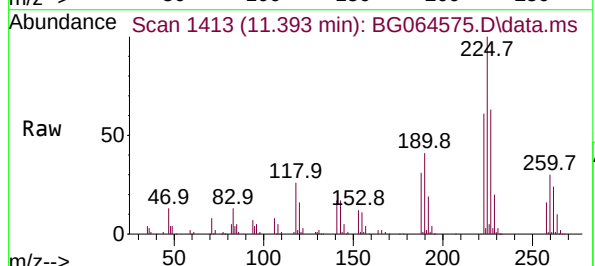
Tgt Ion:127 Resp: 290611
Ion Ratio Lower Upper
127 100
129 29.5 25.5 38.3
65 40.5 32.2 48.4
92 21.9 18.2 27.2

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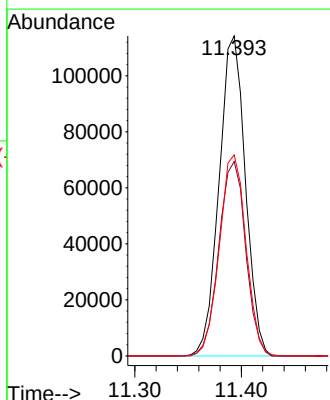
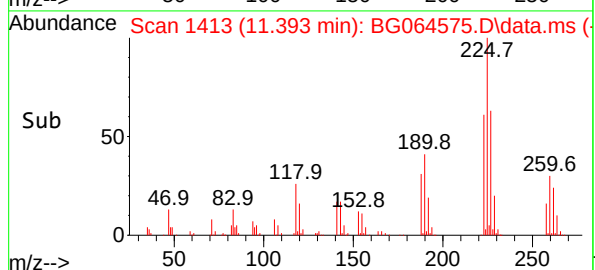
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

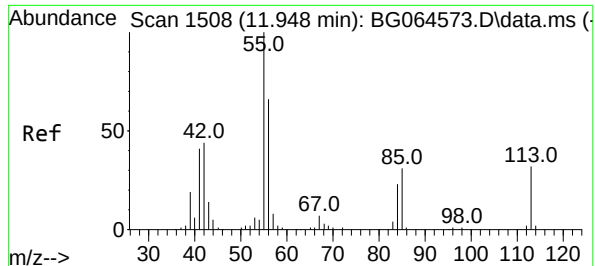


#34
Hexachlorobutadiene
Concen: 76.863 ng
RT: 11.393 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



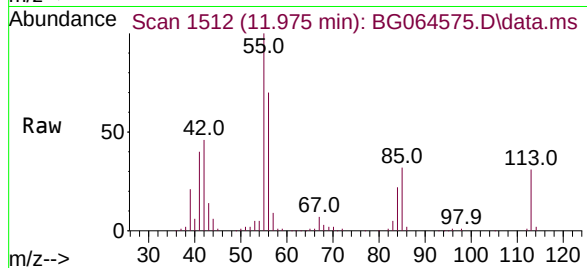
Tgt Ion:225 Resp: 196140
Ion Ratio Lower Upper
225 100
223 60.7 48.8 73.2
227 62.8 49.5 74.3





#35
Caprolactam
Concen: 75.596 ng
RT: 11.975 min Scan# 1512
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

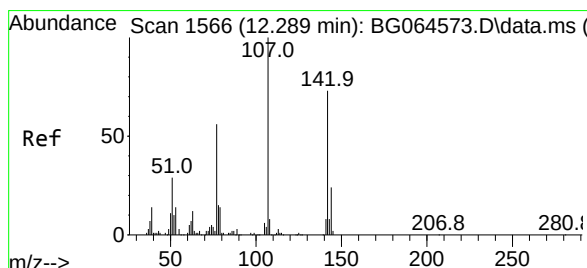
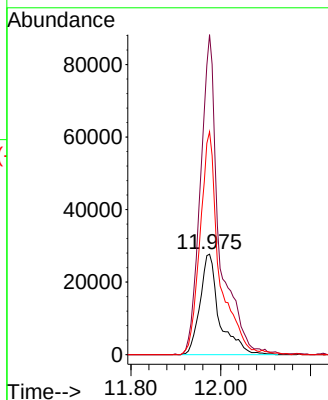
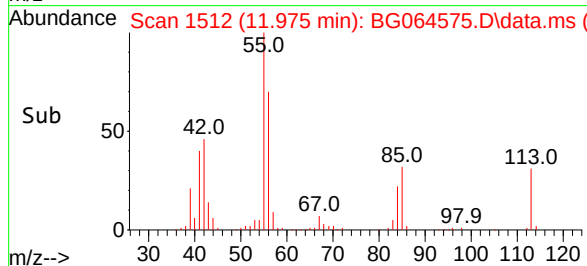
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



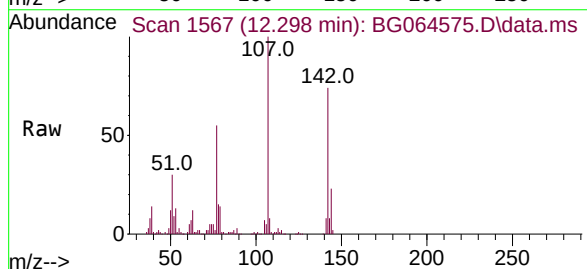
Tgt Ion:113 Resp: 83266
Ion Ratio Lower Upper
113 100
55 318.6 290.1 330.1
56 221.7 183.8 223.8

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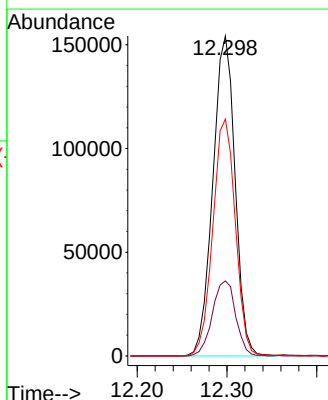
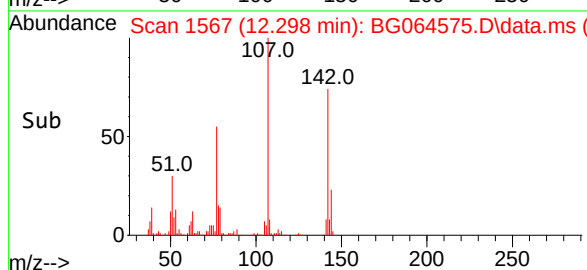
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

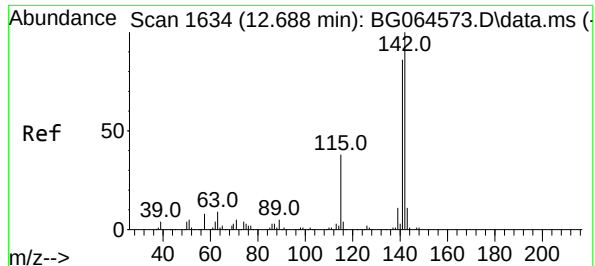


#36
4-Chloro-3-methylphenol
Concen: 77.031 ng
RT: 12.298 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



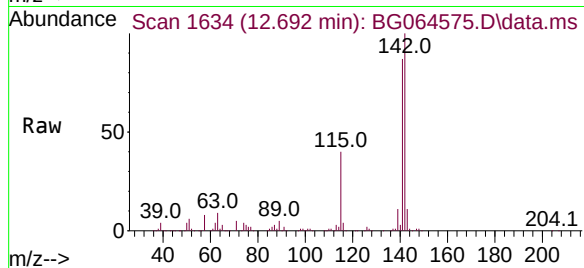
Tgt Ion:107 Resp: 265909
Ion Ratio Lower Upper
107 100
144 23.4 19.1 28.7
142 74.0 58.6 87.8





#37
2-Methylnaphthalene
Concen: 74.168 ng
RT: 12.692 min Scan# 1634
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

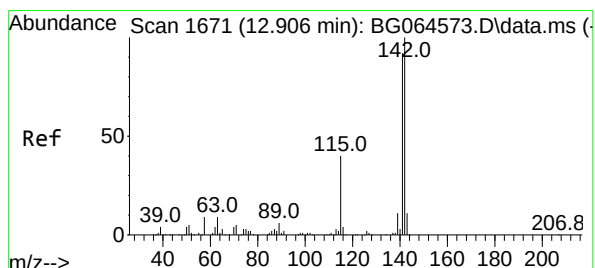
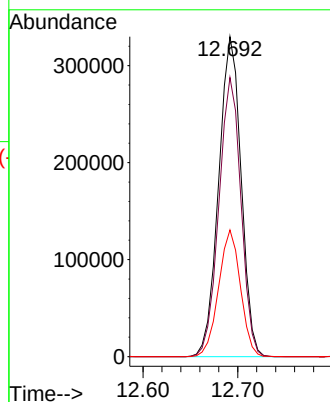
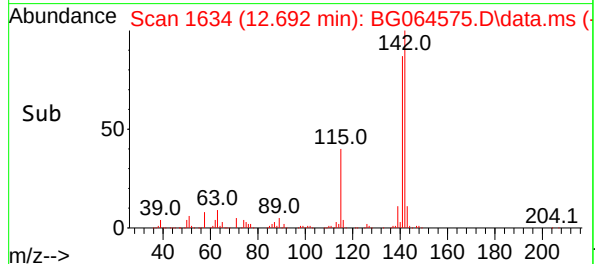
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



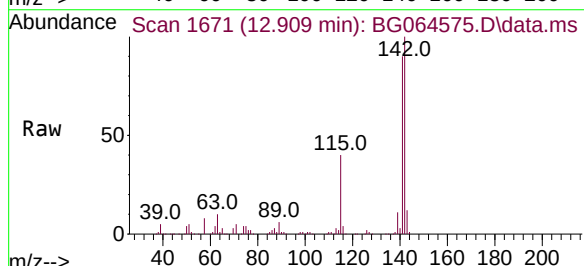
Tgt Ion:142 Resp: 542132
Ion Ratio Lower Upper
142 100
141 87.2 68.9 103.3
115 39.6 30.6 46.0

Manual Integrations
APPROVED

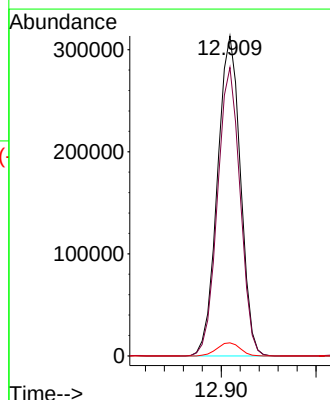
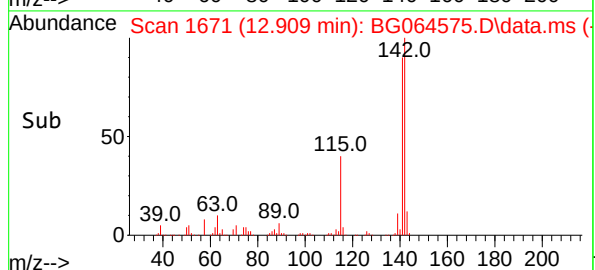
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

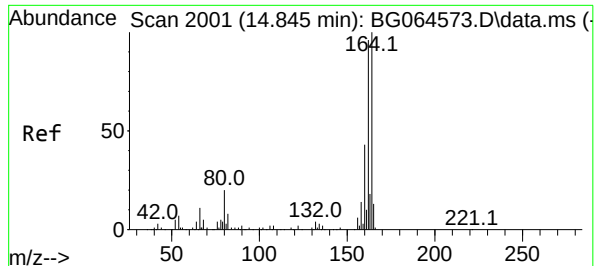


#38
1-Methylnaphthalene
Concen: 73.372 ng
RT: 12.909 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



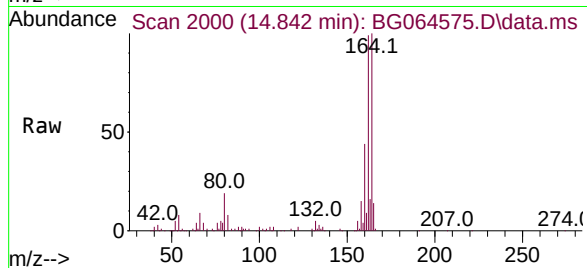
Tgt Ion:142 Resp: 527717
Ion Ratio Lower Upper
142 100
141 90.1 73.3 109.9
116 4.1 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2001
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

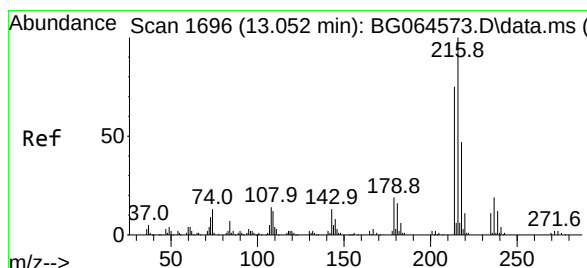
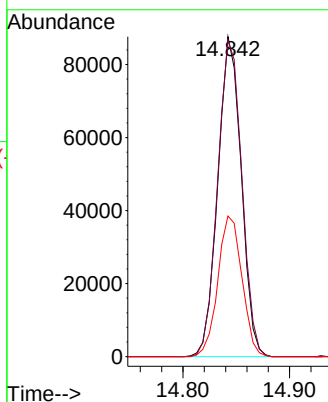
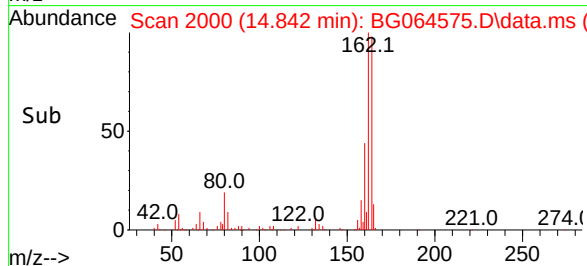
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



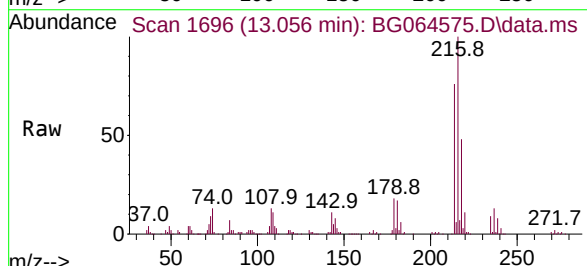
Tgt Ion:164 Resp: 133792
Ion Ratio Lower Upper
164 100
162 98.9 77.0 115.6
160 43.9 34.4 51.6

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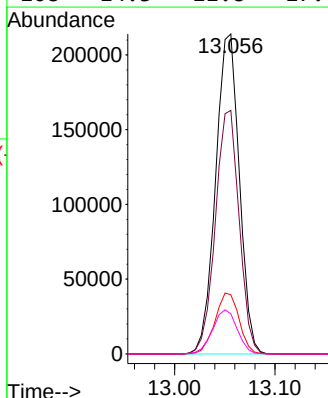
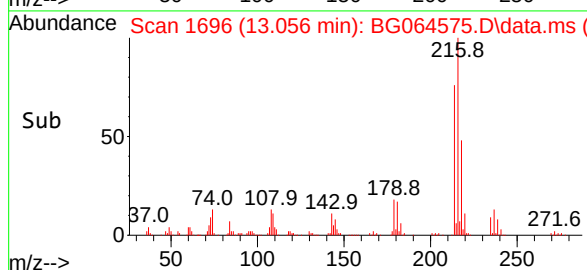
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

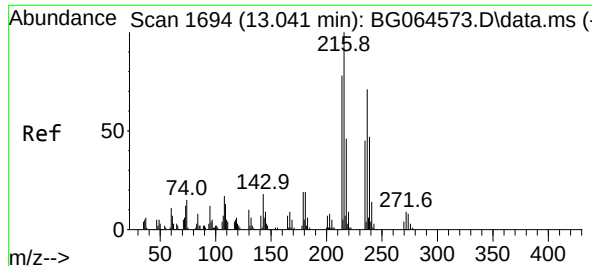


#40
1,2,4,5-Tetrachlorobenzene
Concen: 78.328 ng
RT: 13.056 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



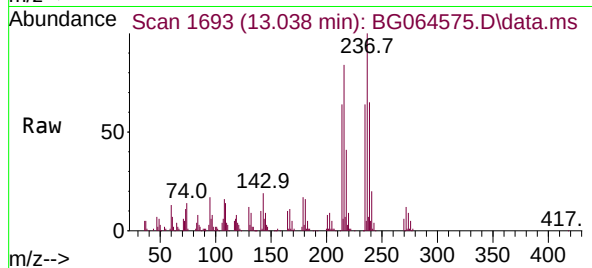
Tgt Ion:216 Resp: 351719
Ion Ratio Lower Upper
216 100
214 76.1 61.4 92.2
179 19.3 15.4 23.0
108 14.3 11.8 17.6





#41
Hexachlorocyclopentadiene
Concen: 80.876 ng
RT: 13.038 min Scan# 1694
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

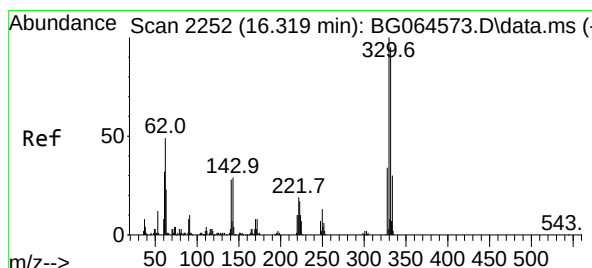
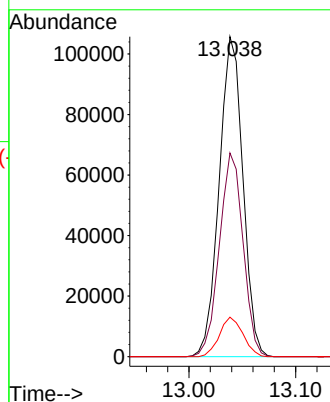
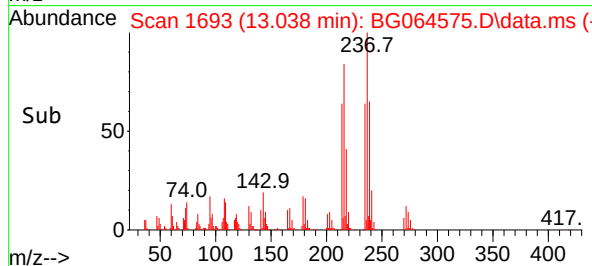
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:237 Resp: 163463
Ion Ratio Lower Upper
237 100
235 63.6 44.1 84.1
272 12.3 0.0 32.4

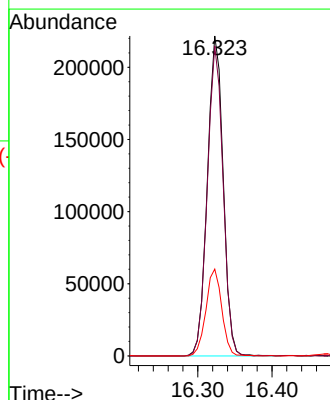
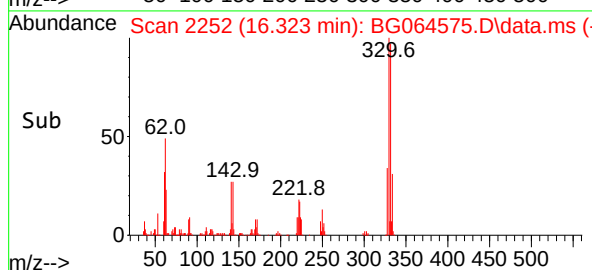
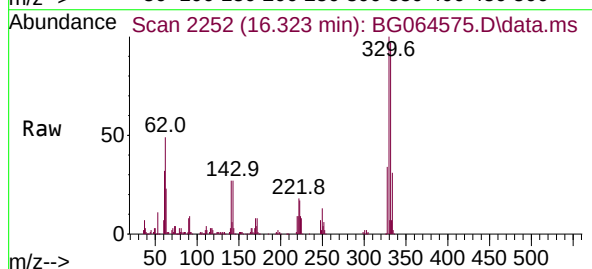
Manual Integrations
APPROVED

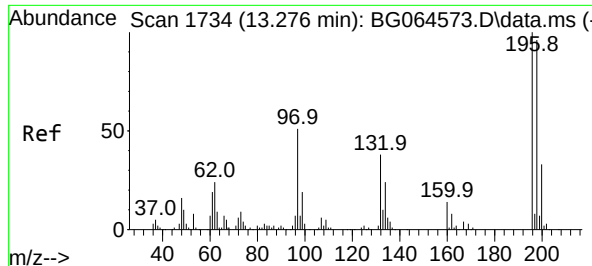
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#42
2,4,6-Tribromophenol
Concen: 169.886 ng
RT: 16.323 min Scan# 2252
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

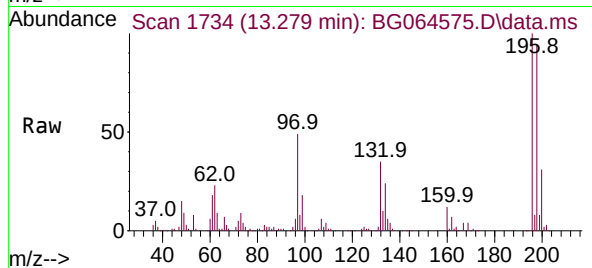
Tgt Ion:330 Resp: 328066
Ion Ratio Lower Upper
330 100
332 96.4 78.0 117.0
141 27.1 21.8 32.6





#43
2,4,6-Trichlorophenol
Concen: 84.998 ng
RT: 13.279 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

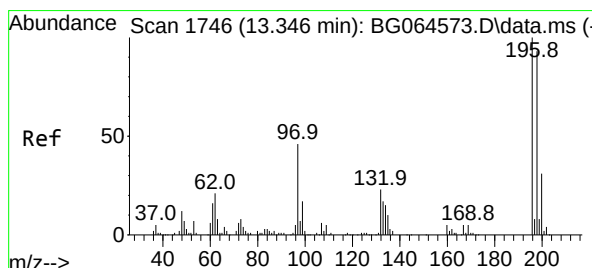
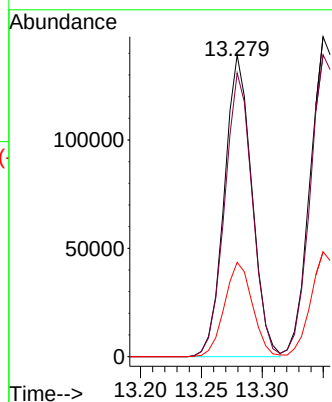
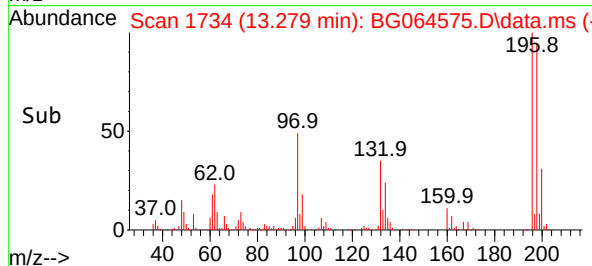
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



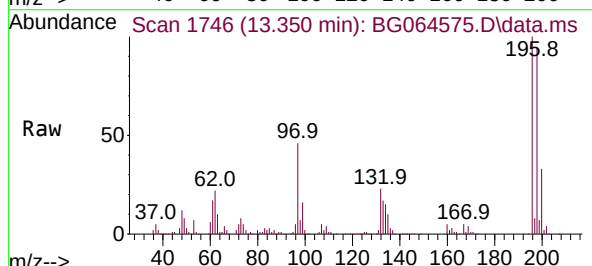
Tgt Ion:196 Resp: 218318
Ion Ratio Lower Upper
196 100
198 94.0 76.6 115.0
200 31.2 26.0 39.0

Manual Integrations
APPROVED

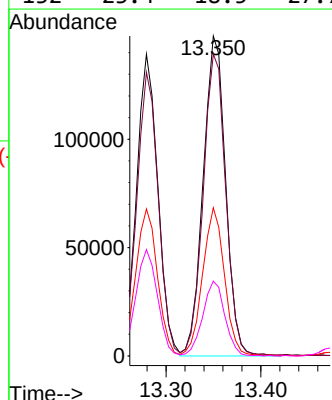
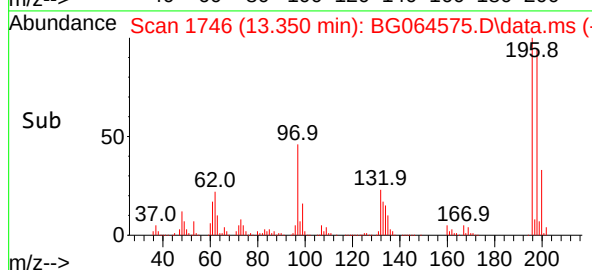
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

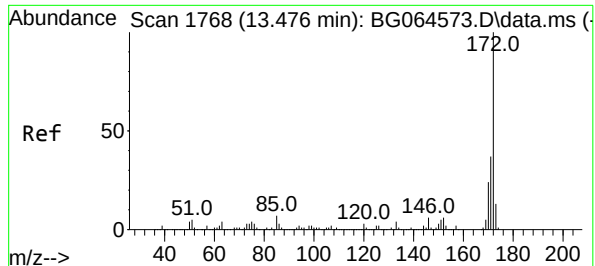


#44
2,4,5-Trichlorophenol
Concen: 82.064 ng
RT: 13.350 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



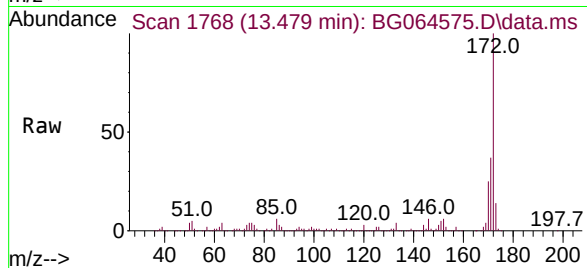
Tgt Ion:196 Resp: 243241
Ion Ratio Lower Upper
196 100
198 94.3 74.2 111.4
97 46.3 37.0 55.6
132 23.4 18.5 27.7





#45
2-Fluorobiphenyl
Concen: 148.960 ng
RT: 13.479 min Scan# 1768
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

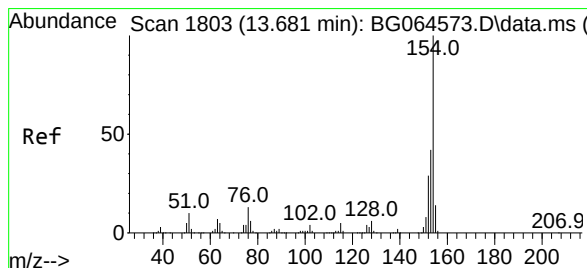
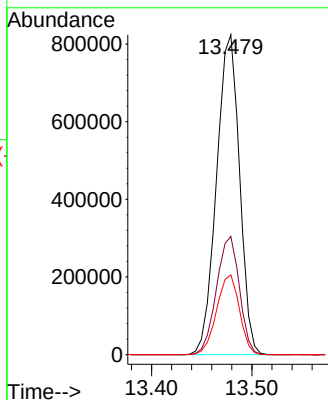
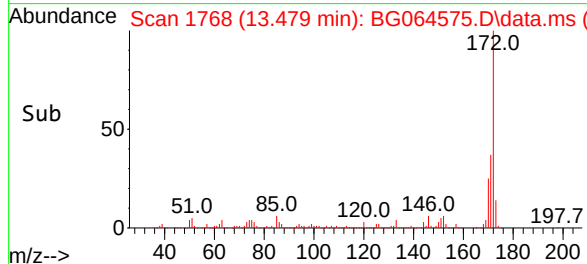
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:172 Resp: 1314892
Ion Ratio Lower Upper
172 100
171 36.9 29.4 44.0
170 24.9 19.1 28.7

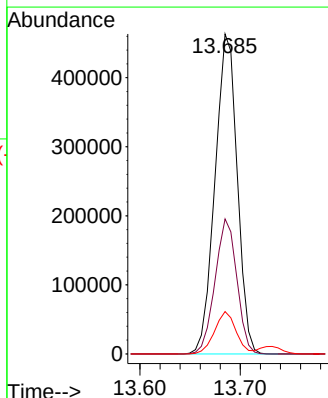
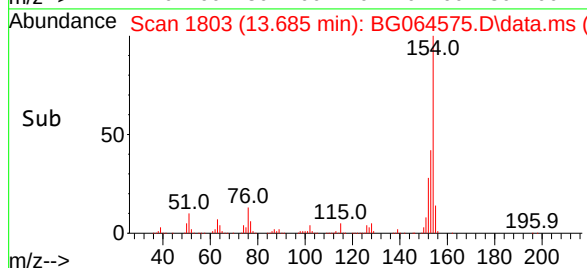
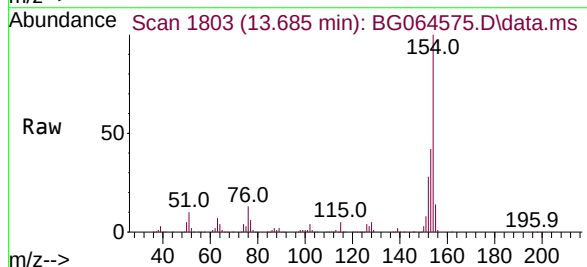
Manual Integrations
APPROVED

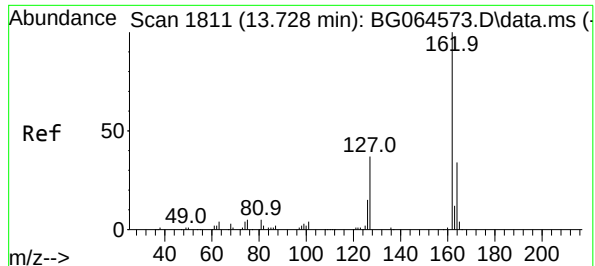
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#46
1,1'-Biphenyl
Concen: 74.977 ng
RT: 13.685 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

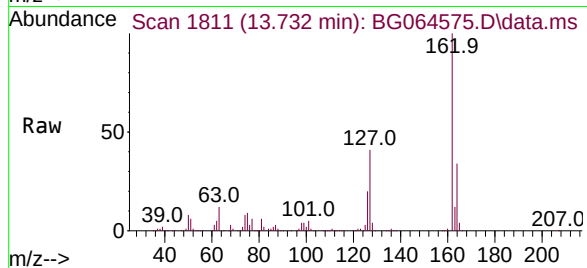
Tgt Ion:154 Resp: 713186
Ion Ratio Lower Upper
154 100
153 42.2 22.4 62.4
76 13.2 0.0 33.5





#47
2-Chloronaphthalene
Concen: 76.218 ng
RT: 13.732 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

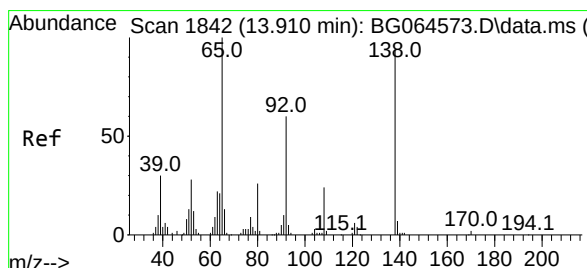
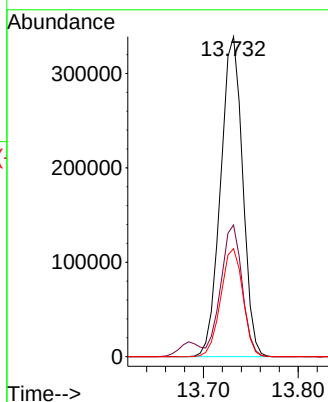
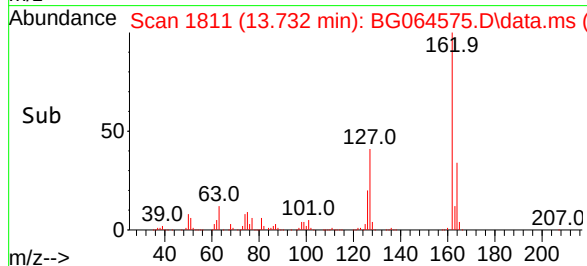
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:162 Resp: 547242
Ion Ratio Lower Upper
162 100
127 41.1 32.2 48.2
164 33.7 27.5 41.3

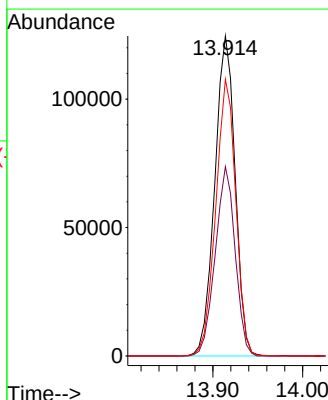
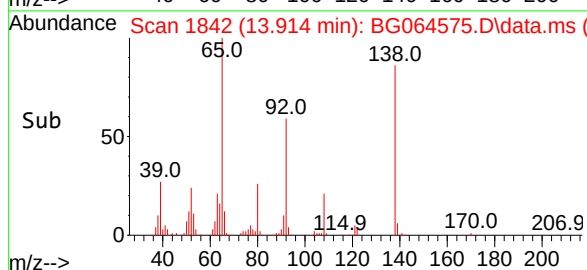
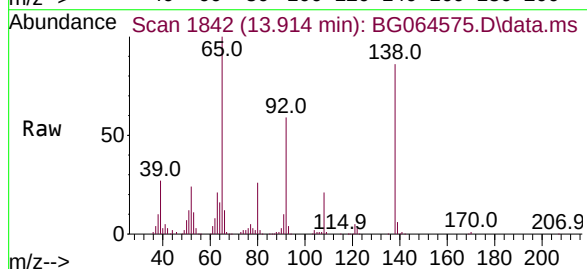
Manual Integrations
APPROVED

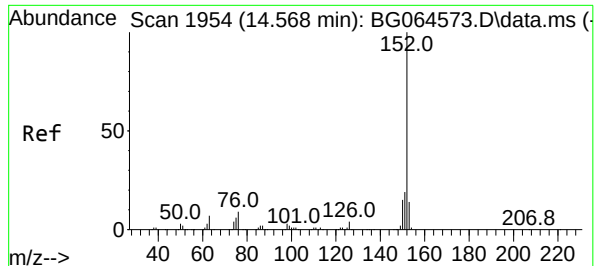
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#48
2-Nitroaniline
Concen: 79.301 ng
RT: 13.914 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 65 Resp: 196580
Ion Ratio Lower Upper
65 100
92 59.1 48.3 72.5
138 86.4 74.9 112.3





#49

Acenaphthylene

Concen: 75.806 ng

RT: 14.566 min Scan# 1953

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:152 Resp: 85851

Ion Ratio Lower Upper

152 100

151 19.7 15.4 23.2

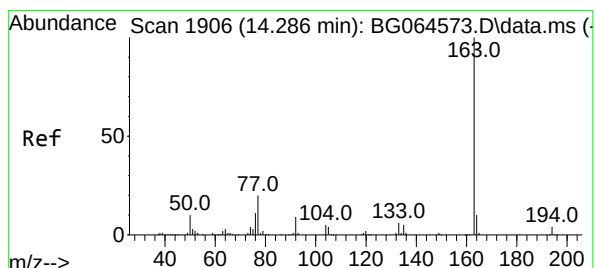
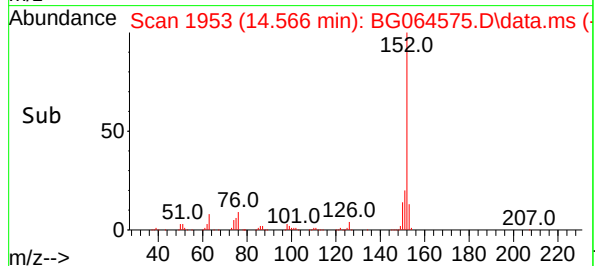
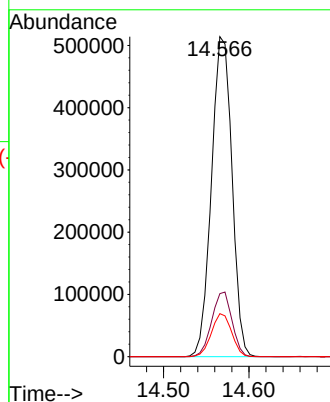
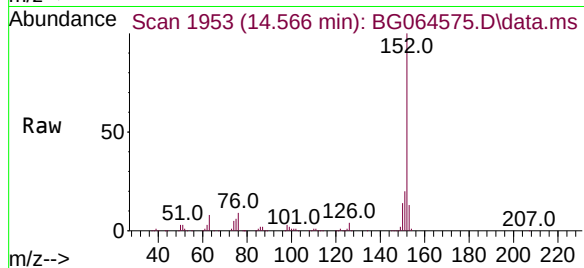
153 13.5 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#50

Dimethylphthalate

Concen: 76.450 ng

RT: 14.290 min Scan# 1906

Delta R.T. -0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

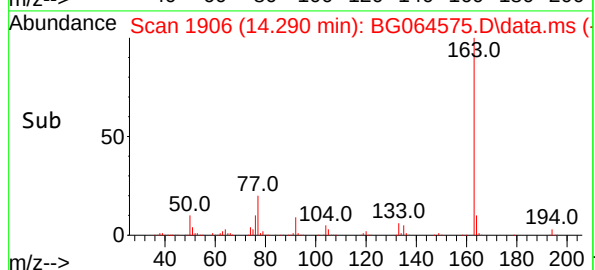
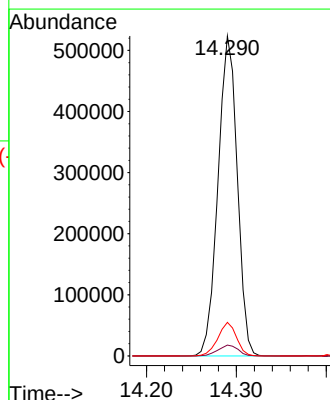
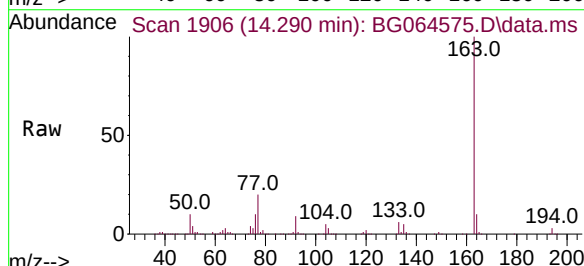
Tgt Ion:163 Resp: 782708

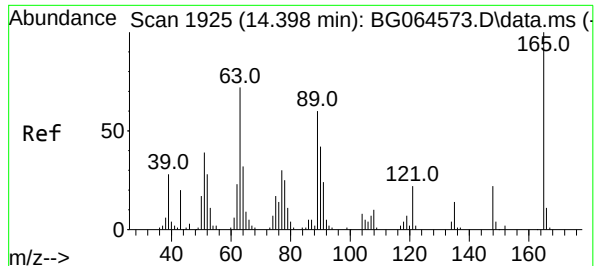
Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

164 10.5 7.7 11.5





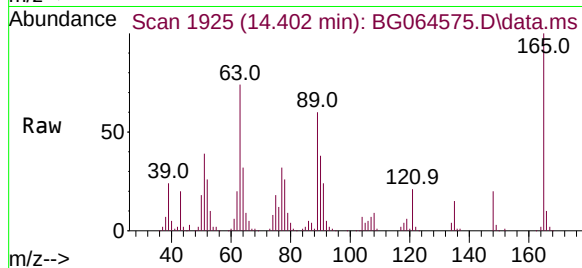
#51
2,6-Dinitrotoluene
Concen: 78.216 ng
RT: 14.402 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

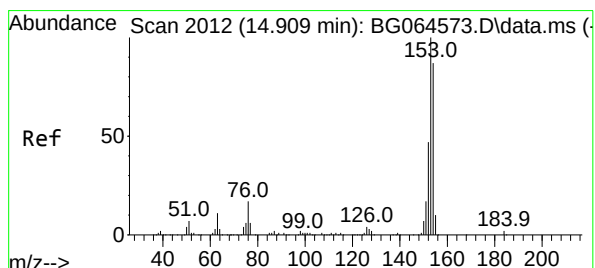
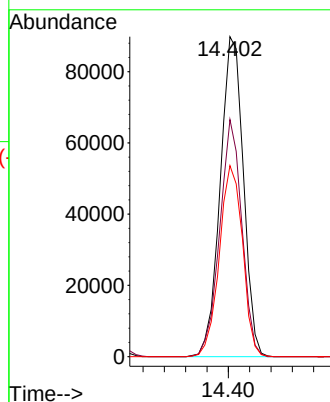
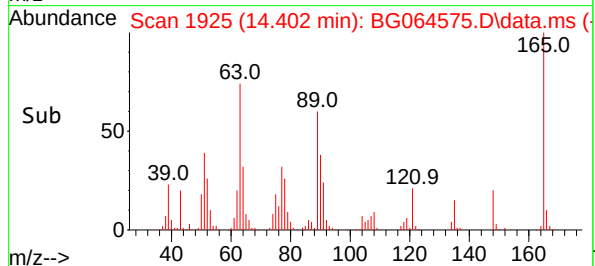


Tgt Ion:165 Resp: 135769
Ion Ratio Lower Upper
165 100
63 74.1 57.4 86.0
89 59.7 47.8 71.8

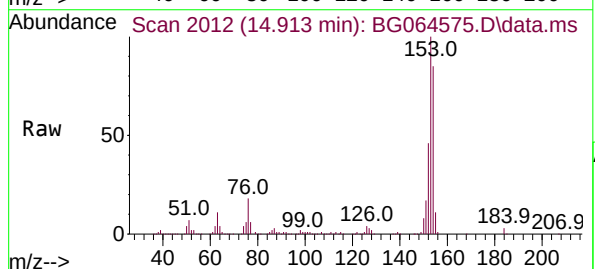
Manual Integrations

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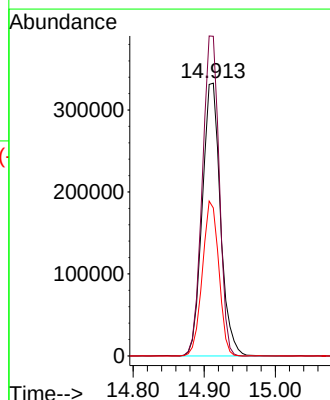
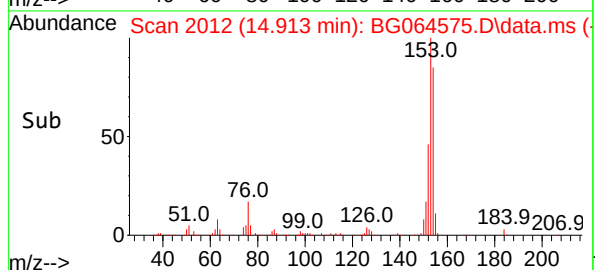
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

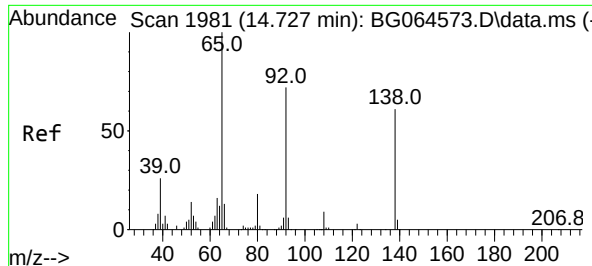


#52
Acenaphthene
Concen: 76.150 ng
RT: 14.913 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



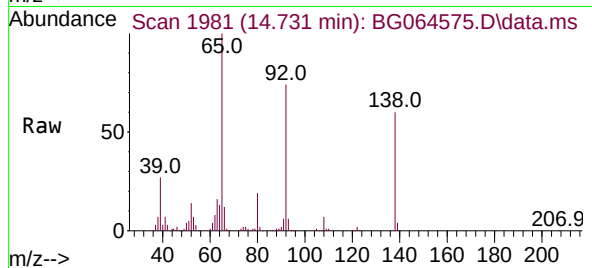
Tgt Ion:154 Resp: 589213
Ion Ratio Lower Upper
154 100
153 117.2 92.2 138.4
152 54.2 43.2 64.8





#53
3-Nitroaniline
Concen: 90.409 ng
RT: 14.731 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

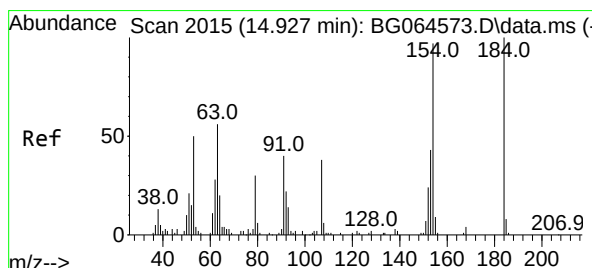
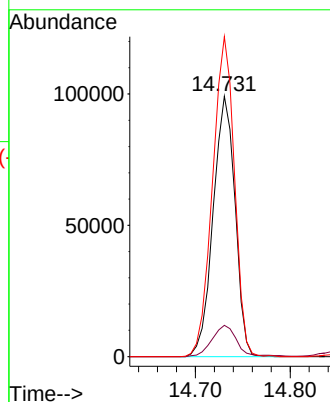
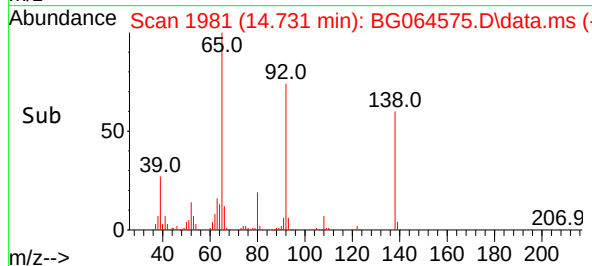
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:138 Resp: 159072
Ion Ratio Lower Upper
138 100
108 12.0 11.4 17.0
92 122.9 95.3 142.9

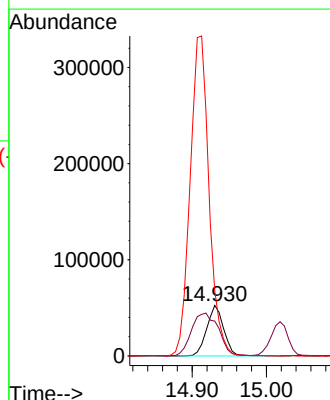
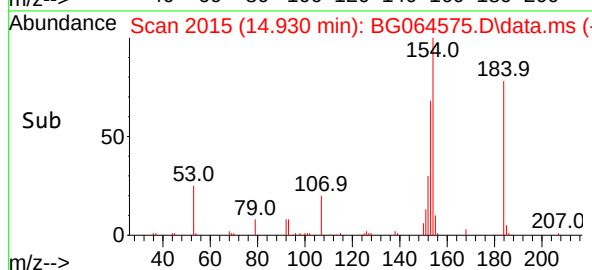
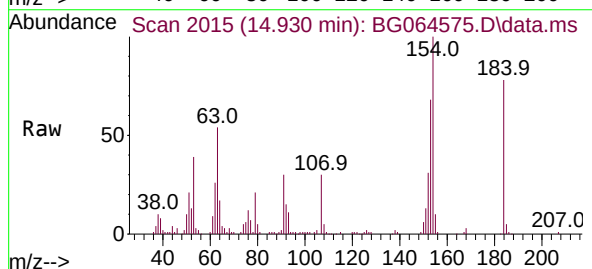
Manual Integrations
APPROVED

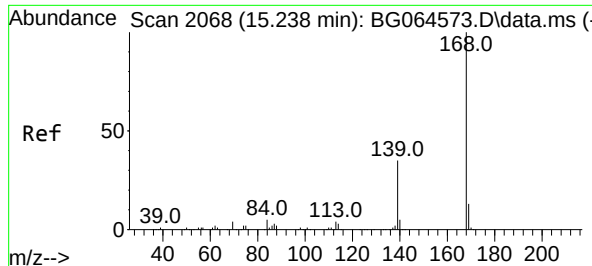
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#54
2,4-Dinitrophenol
Concen: 79.755 ng
RT: 14.930 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

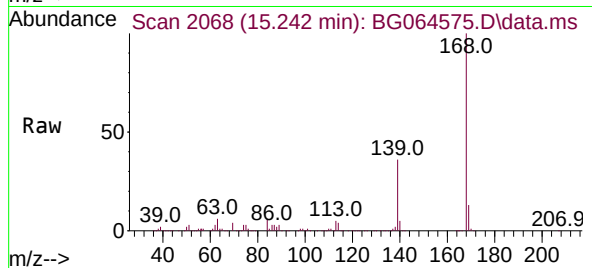
Tgt Ion:184 Resp: 82655
Ion Ratio Lower Upper
184 100
63 69.0 56.6 85.0
154 128.4 158.6 238.0#





#55
Dibenzofuran
Concen: 73.816 ng
RT: 15.242 min Scan# 2068
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

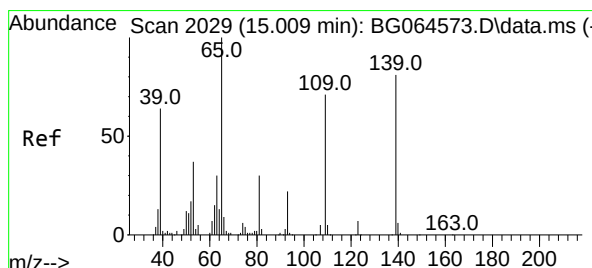
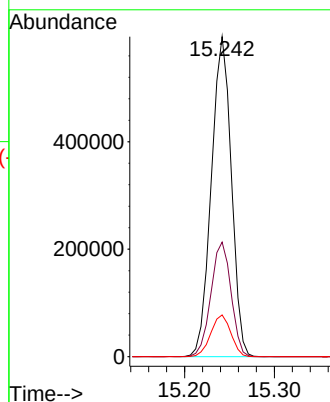
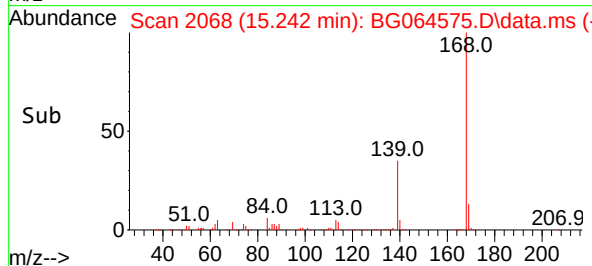
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:168 Resp: 923386
Ion Ratio Lower Upper
168 100
139 35.8 27.8 41.8
169 13.0 10.3 15.5

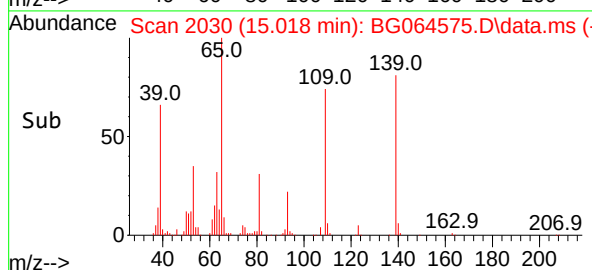
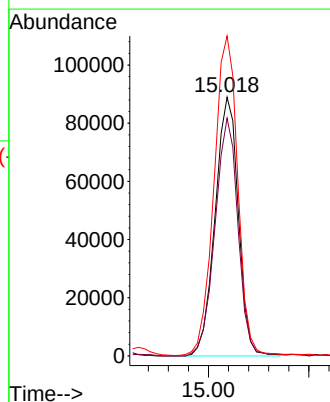
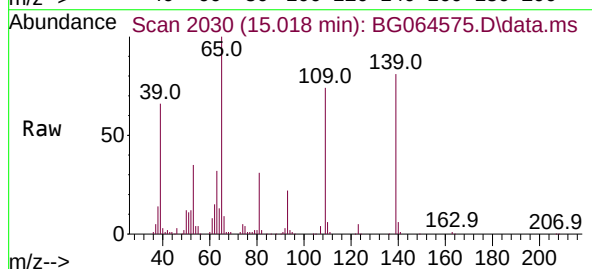
Manual Integrations
APPROVED

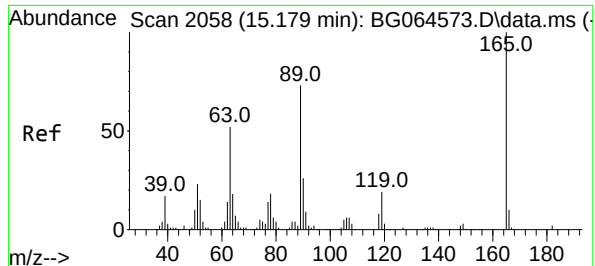
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#56
4-Nitrophenol
Concen: 87.640 ng
RT: 15.018 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

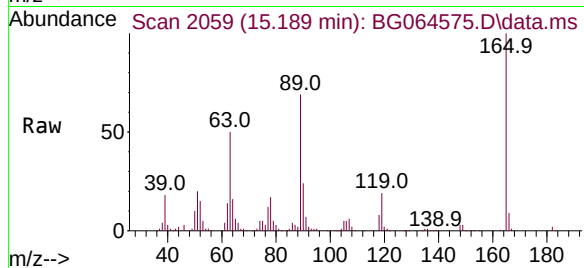
Tgt Ion:139 Resp: 142966
Ion Ratio Lower Upper
139 100
109 91.9 67.8 107.8
65 123.7 103.7 143.7





#57
2,4-Dinitrotoluene
Concen: 79.117 ng
RT: 15.189 min Scan# 2059
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

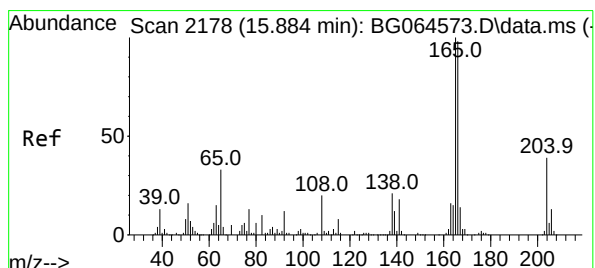
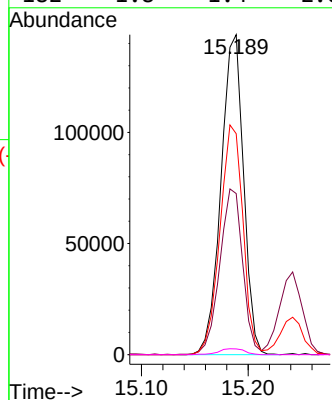
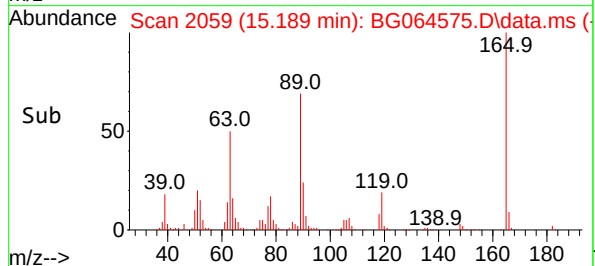
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:165 Resp: 212164
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

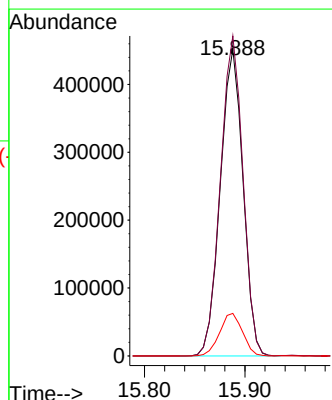
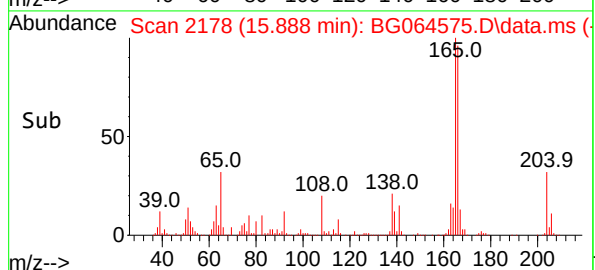
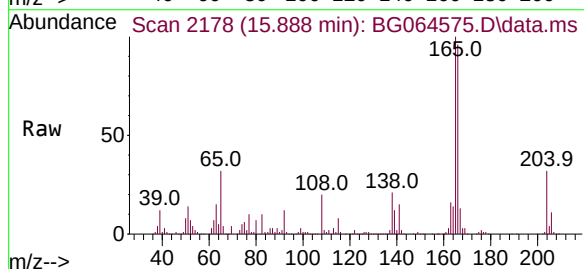
Manual Integrations
APPROVED

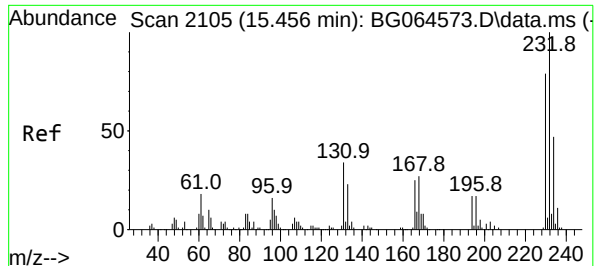
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#58
Fluorene
Concen: 72.801 ng
RT: 15.888 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

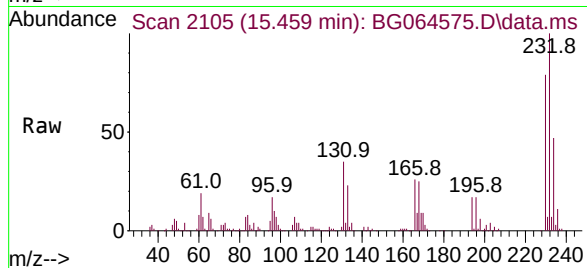
Tgt Ion:166 Resp: 711212
Ion Ratio Lower Upper
166 100
165 104.4 81.5 122.3
167 13.8 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 84.708 ng
RT: 15.459 min Scan# 2105
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

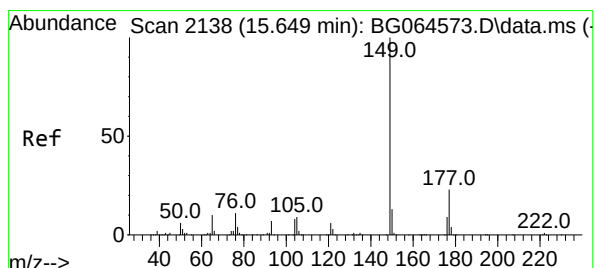
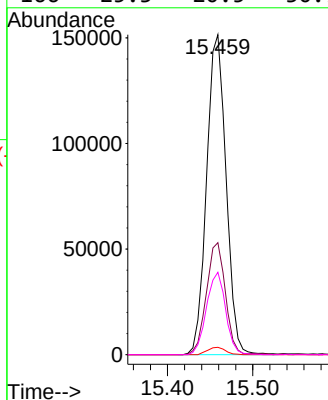
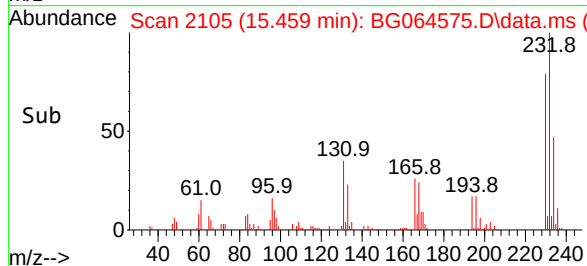
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



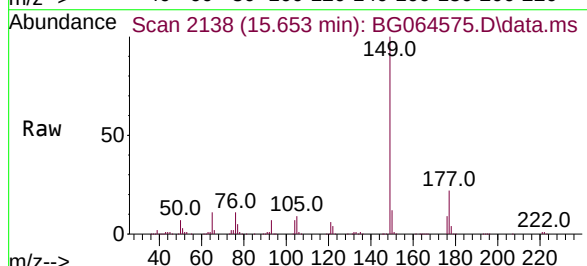
Tgt Ion:232 Resp: 240094
Ion Ratio Lower Upper
232 100
131 34.1 26.7 40.1
130 2.1 1.6 2.4
166 25.3 20.5 30.7

Manual Integrations
APPROVED

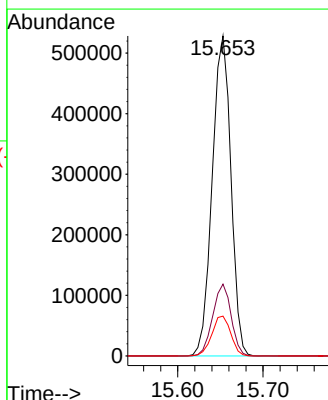
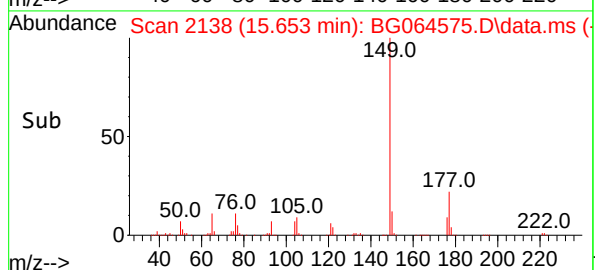
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

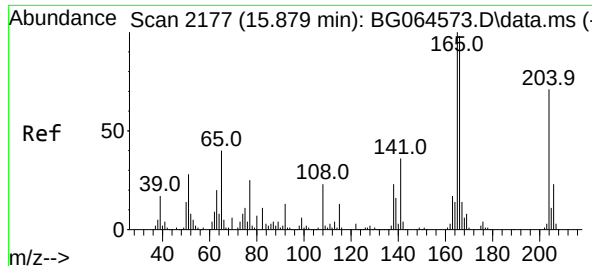


#60
Diethylphthalate
Concen: 76.874 ng
RT: 15.653 min Scan# 2138
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



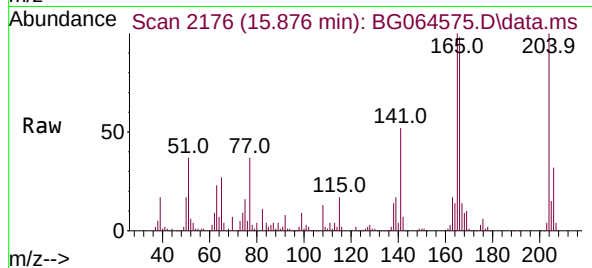
Tgt Ion:149 Resp: 803621
Ion Ratio Lower Upper
149 100
177 22.4 18.0 27.0
150 12.4 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 74.463 ng
RT: 15.876 min Scan# 2176
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

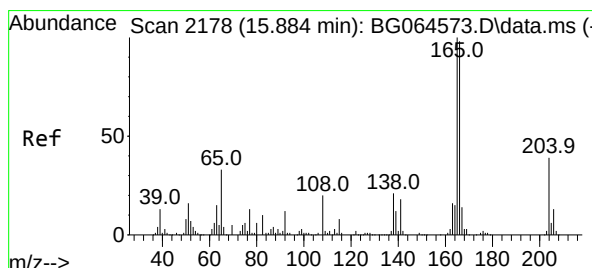
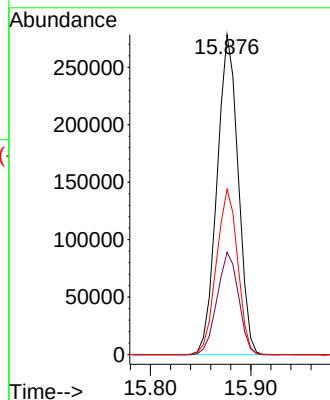
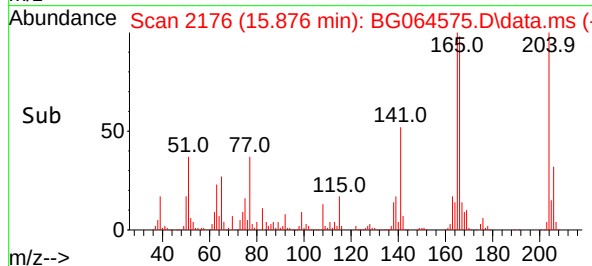
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



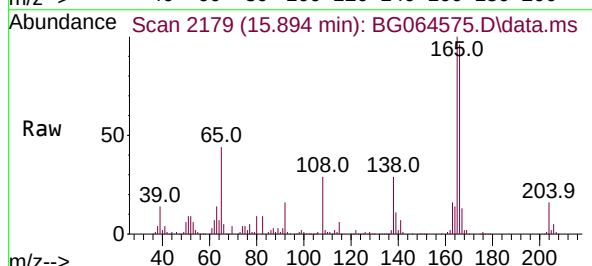
Tgt Ion:204 Resp: 408239
Ion Ratio Lower Upper
204 100
206 32.0 25.6 38.4
141 51.7 40.6 60.8

Manual Integrations
APPROVED

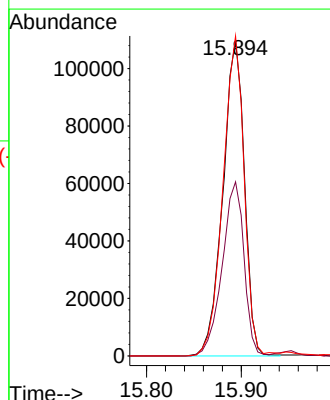
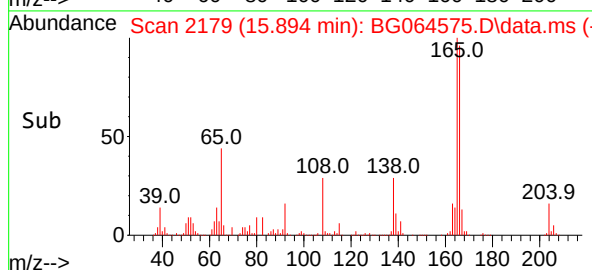
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

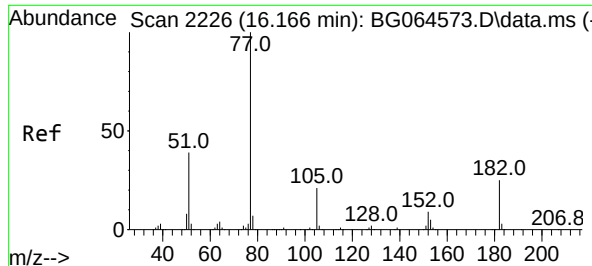


#62
4-Nitroaniline
Concen: 88.462 ng
RT: 15.894 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



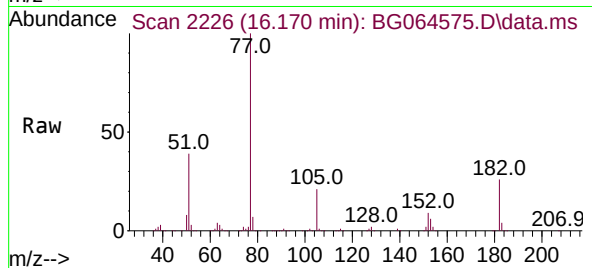
Tgt Ion:138 Resp: 173159
Ion Ratio Lower Upper
138 100
92 55.1 36.1 76.1
108 101.4 75.6 115.6





#63
Azobenzene
Concen: 75.482 ng
RT: 16.170 min Scan# 2226
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

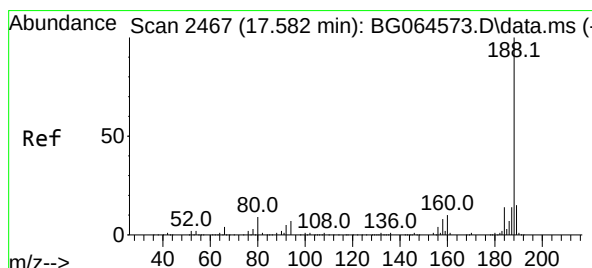
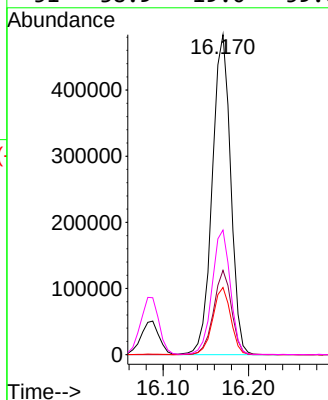
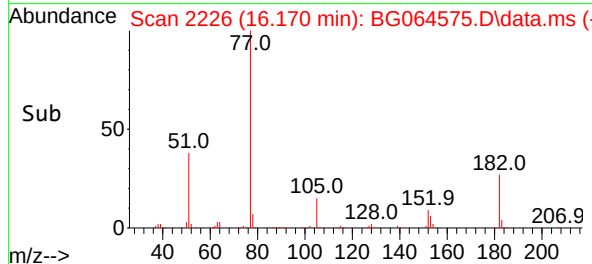
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



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

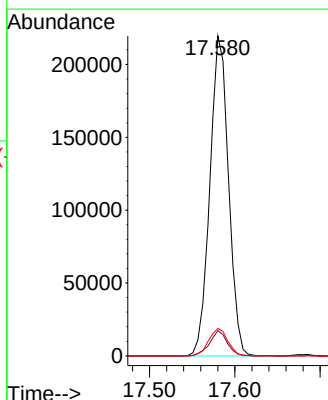
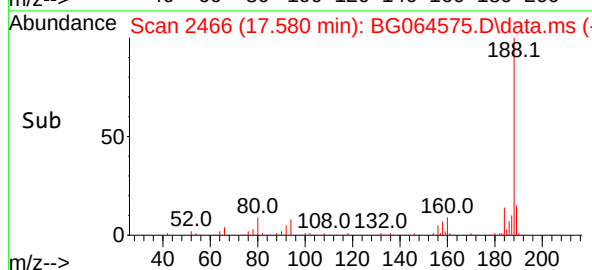
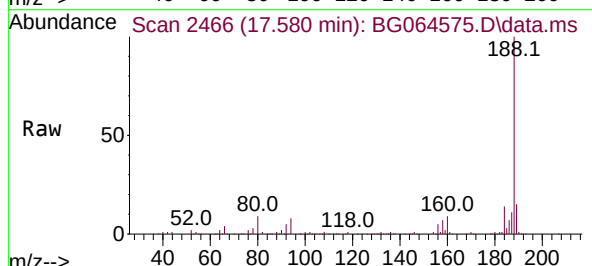
Manual Integrations
APPROVED

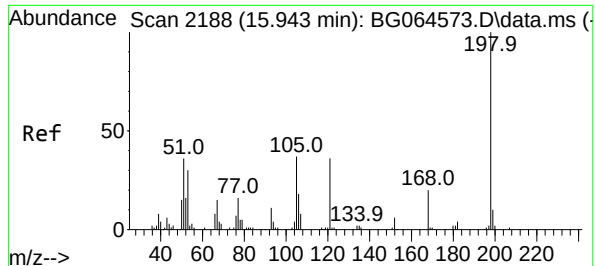
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2466
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

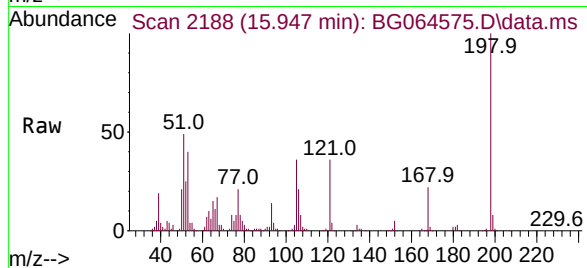
Tgt Ion:188 Resp: 333421
Ion Ratio Lower Upper
188 100
94 7.9 5.7 8.5
80 8.6 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 80.450 ng
RT: 15.947 min Scan# 2188
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

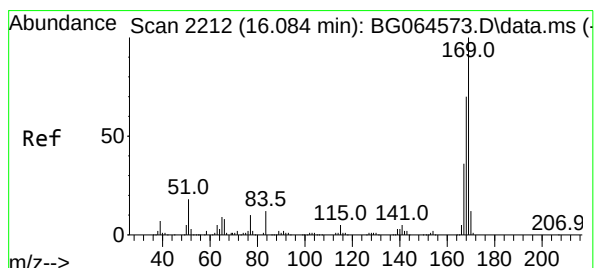
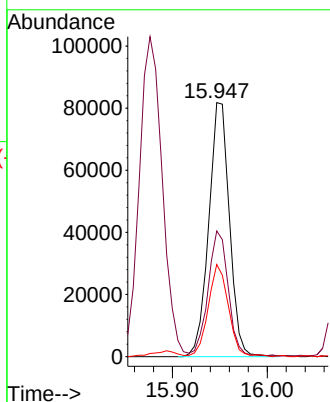
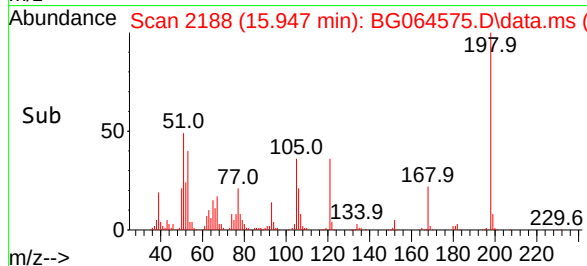
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



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

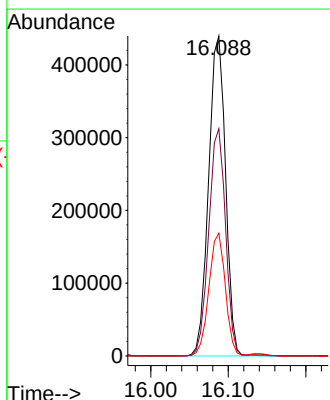
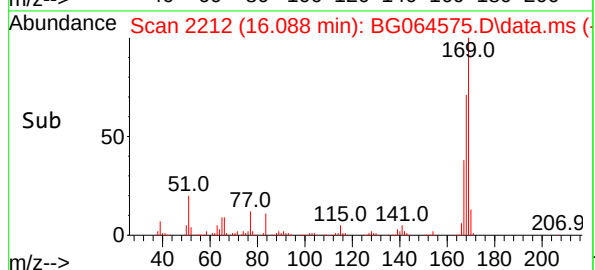
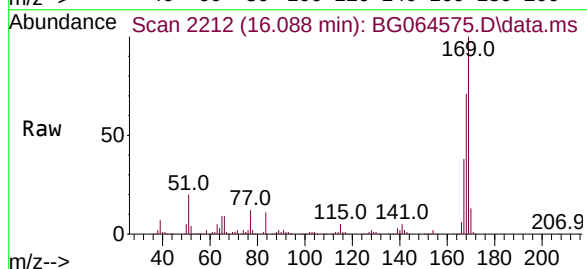
Manual Integrations
APPROVED

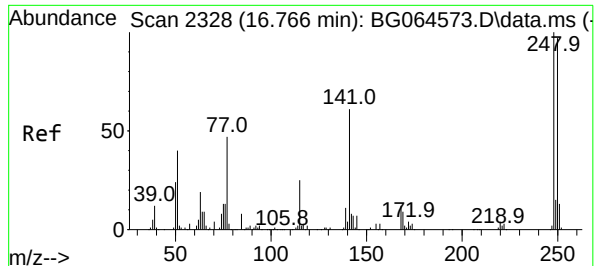
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#66
n-Nitrosodiphenylamine
Concen: 74.020 ng
RT: 16.088 min Scan# 2212
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

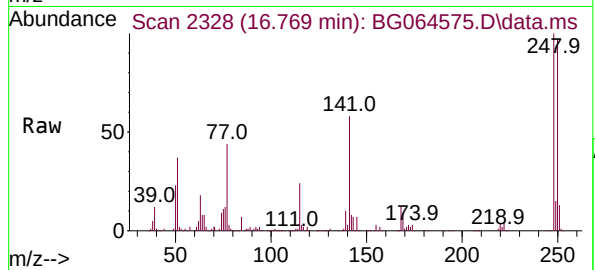
Tgt Ion:169 Resp: 666665
Ion Ratio Lower Upper
169 100
168 71.0 56.3 84.5
167 38.3 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 75.762 ng
RT: 16.769 min Scan# 2328
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

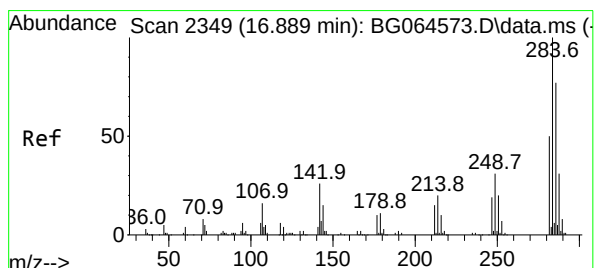
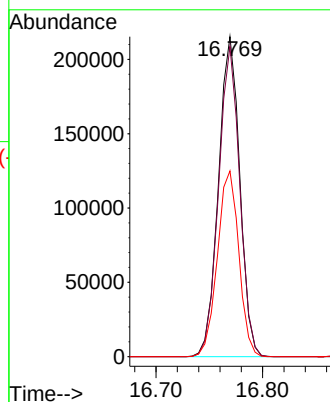
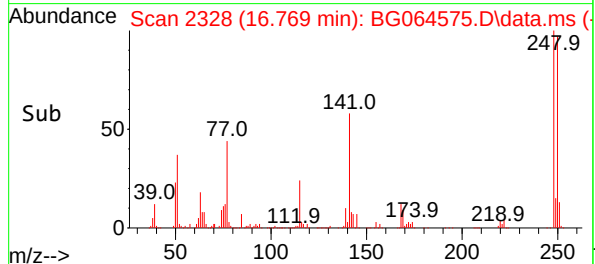
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



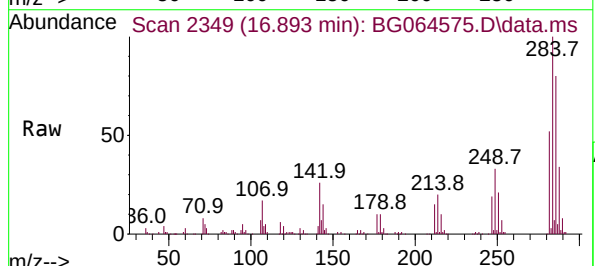
Tgt Ion:248 Resp: 299348
Ion Ratio Lower Upper
248 100
250 96.9 77.7 116.5
141 58.0 48.6 72.8

Manual Integrations
APPROVED

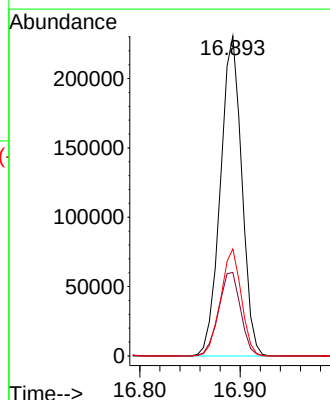
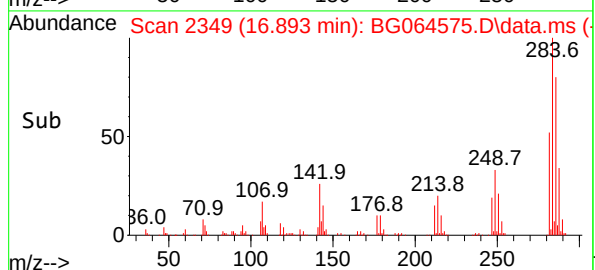
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

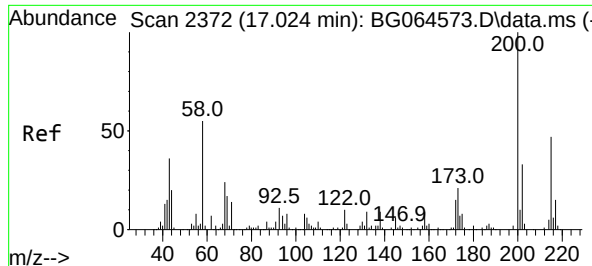


#68
Hexachlorobenzene
Concen: 75.724 ng
RT: 16.893 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



Tgt Ion:284 Resp: 341338
Ion Ratio Lower Upper
284 100
142 26.1 21.0 31.6
249 35.4 24.9 37.3





#69

Atrazine

Concen: 72.745 ng

RT: 17.028 min Scan# 2372

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:200 Resp: 281950

Ion Ratio Lower Upper

200 100

173 22.2 0.9 40.9

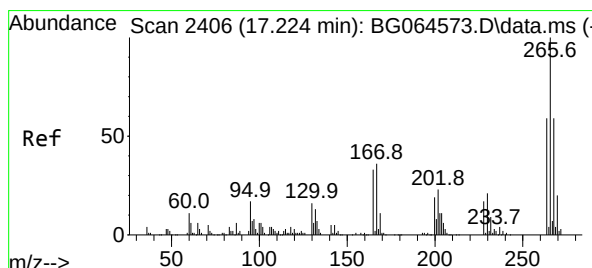
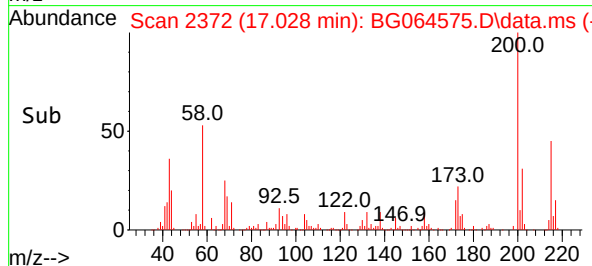
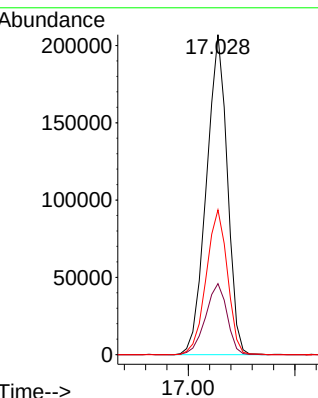
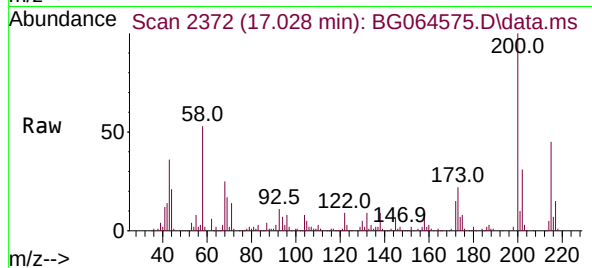
215 45.2 27.0 67.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#70

Pentachlorophenol

Concen: 83.771 ng

RT: 17.228 min Scan# 2406

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

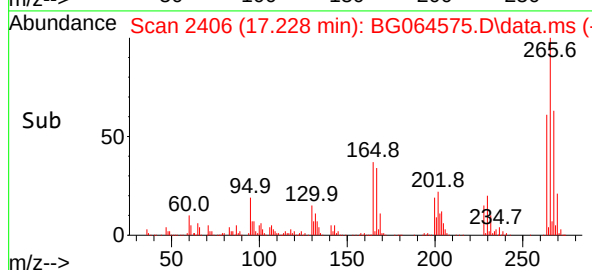
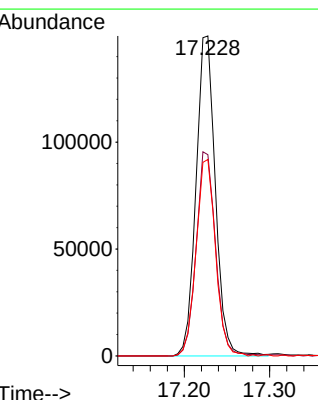
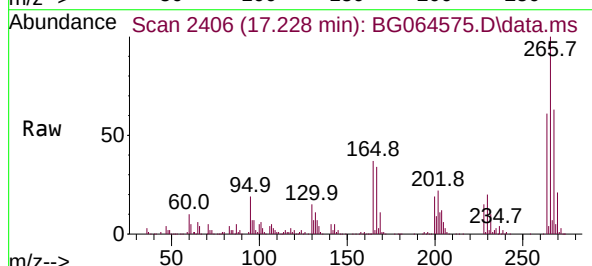
Tgt Ion:266 Resp: 235472

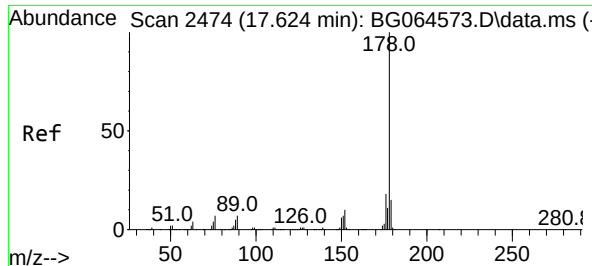
Ion Ratio Lower Upper

266 100

268 67.7 50.3 75.5

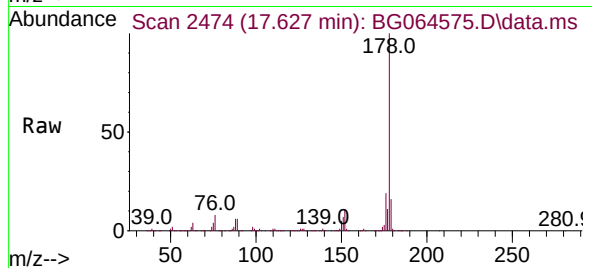
264 65.8 47.3 70.9





#71
Phenanthrene
Concen: 73.525 ng
RT: 17.627 min Scan# 2474
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

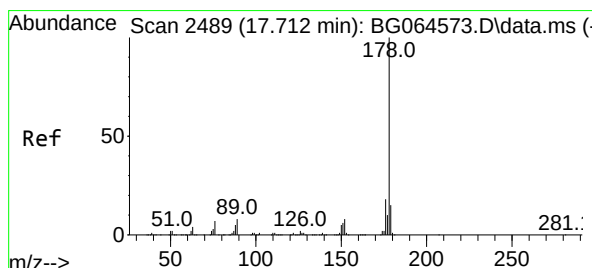
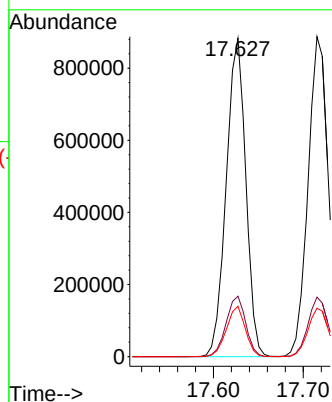
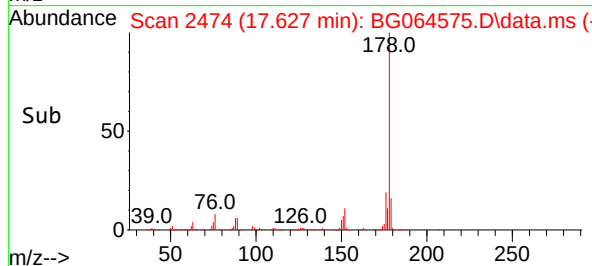
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:178 Resp: 1340610
Ion Ratio Lower Upper
178 100
176 19.0 14.7 22.1
179 15.8 12.2 18.4

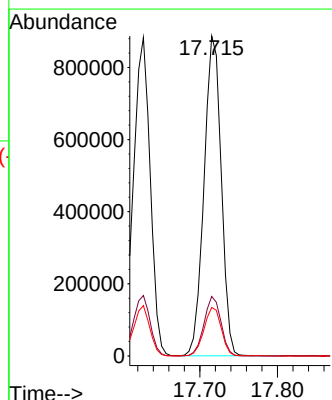
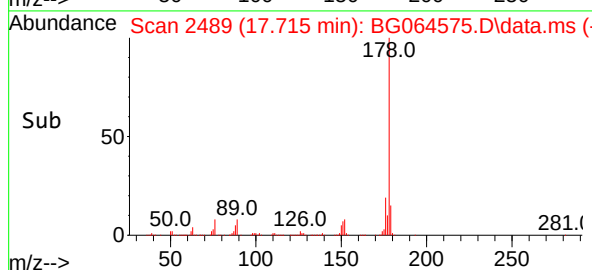
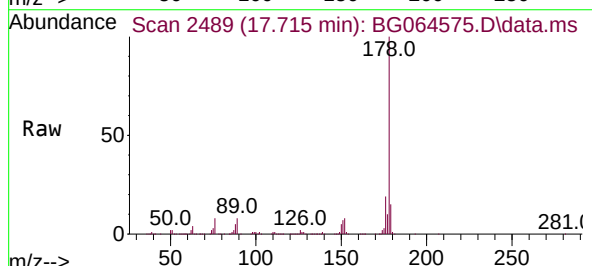
Manual Integrations
APPROVED

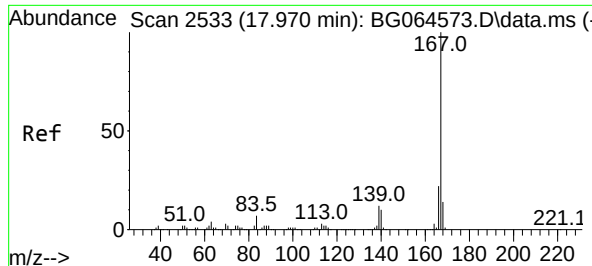
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#72
Anthracene
Concen: 73.704 ng
RT: 17.715 min Scan# 2489
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

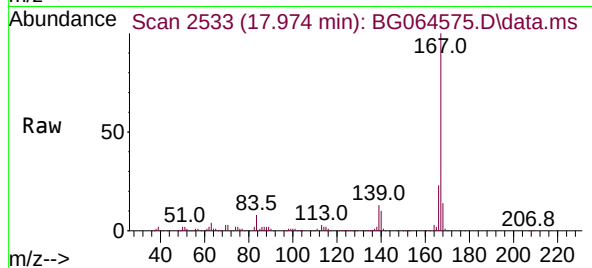
Tgt Ion:178 Resp: 1367044
Ion Ratio Lower Upper
178 100
176 18.6 14.4 21.6
179 15.1 12.4 18.6





#73
Carbazole
Concen: 73.122 ng
RT: 17.974 min Scan# 2533
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

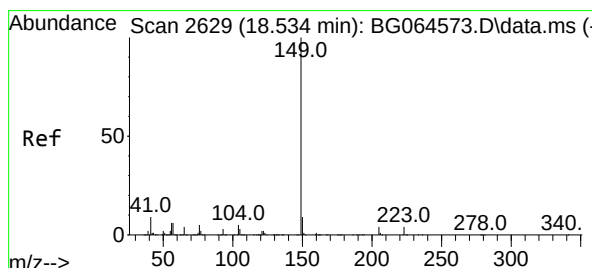
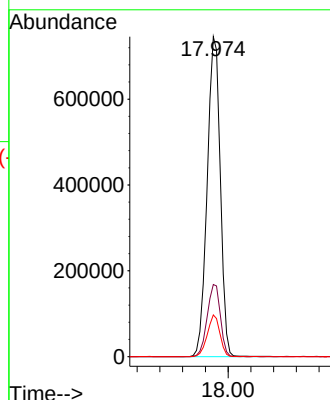
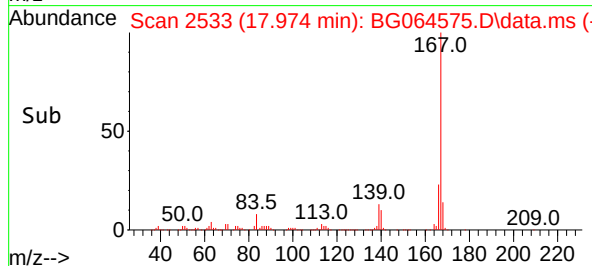
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:167 Resp: 1195960
Ion Ratio Lower Upper
167 100
166 22.5 17.9 26.9
139 13.0 9.7 14.5

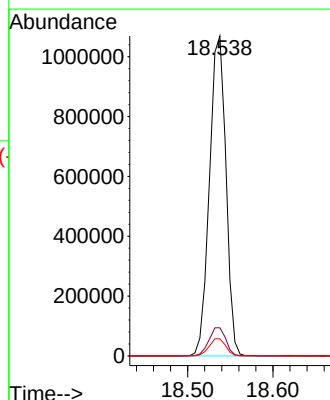
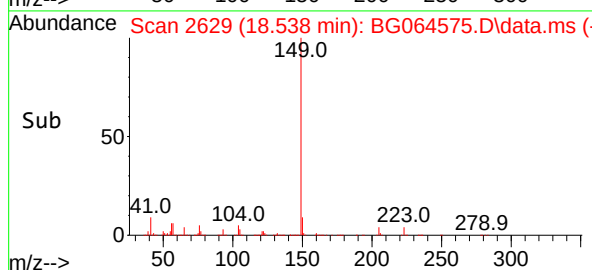
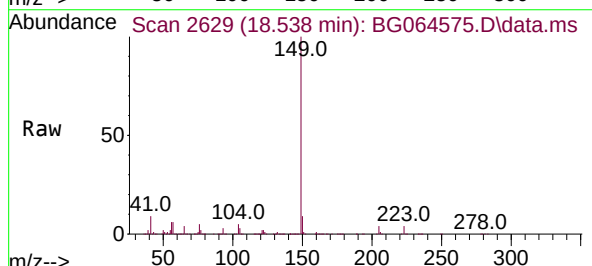
Manual Integrations
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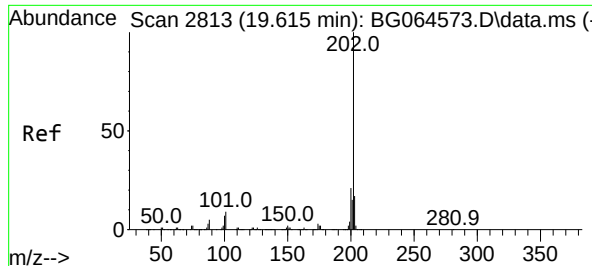
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#74
Di-n-butylphthalate
Concen: 75.790 ng
RT: 18.538 min Scan# 2629
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

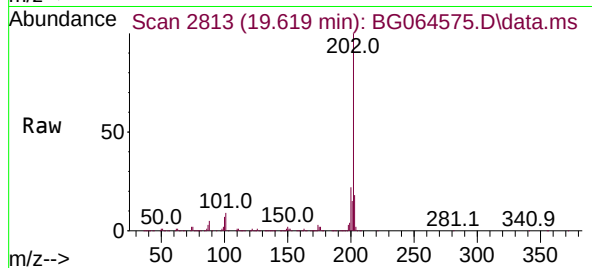
Tgt Ion:149 Resp: 1433446
Ion Ratio Lower Upper
149 100
150 8.8 7.0 10.6
104 5.4 4.1 6.1





#75
Fluoranthene
Concen: 72.835 ng
RT: 19.619 min Scan# 2813
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

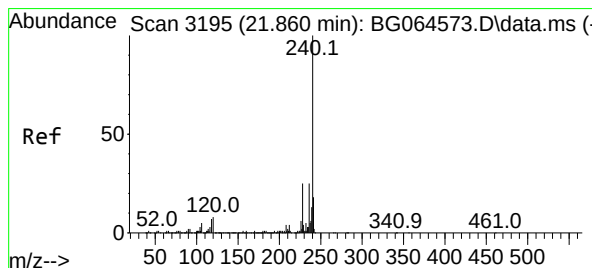
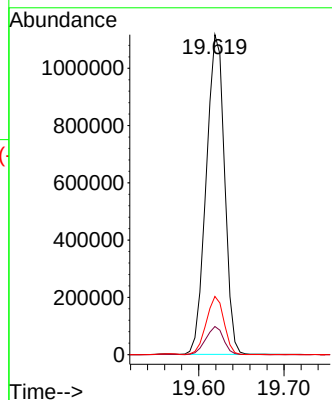
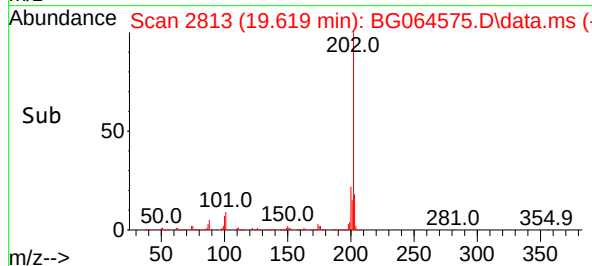
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:202 Resp: 1663673
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.7
203 18.2 0.0 37.0

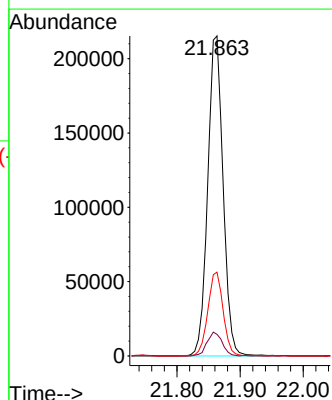
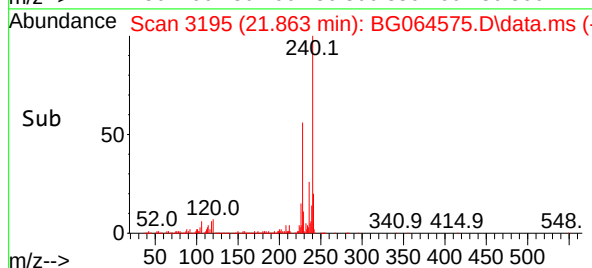
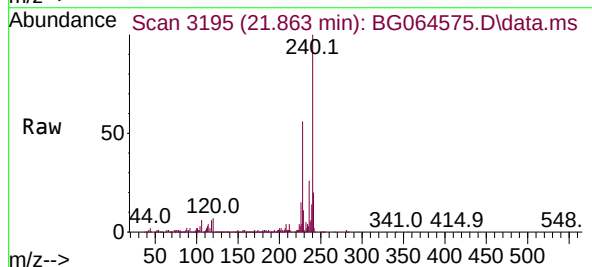
Manual Integrations
APPROVED

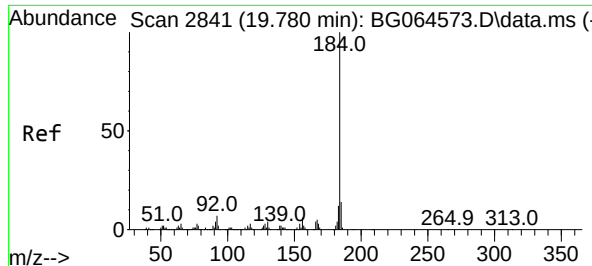
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.863 min Scan# 3195
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

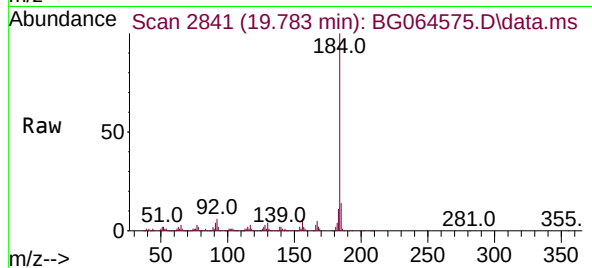
Tgt Ion:240 Resp: 363291
Ion Ratio Lower Upper
240 100
120 6.7 6.5 9.7
236 26.2 20.2 30.2





#77
Benzidine
Concen: 68.376 ng
RT: 19.783 min Scan# 2841
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

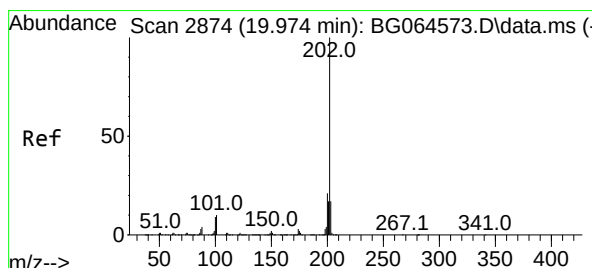
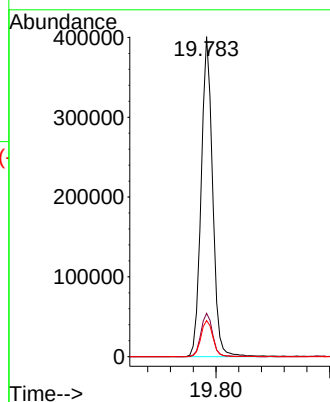
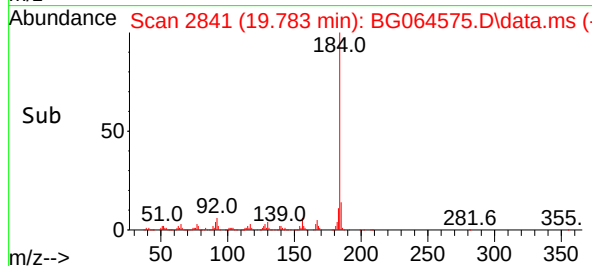
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



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

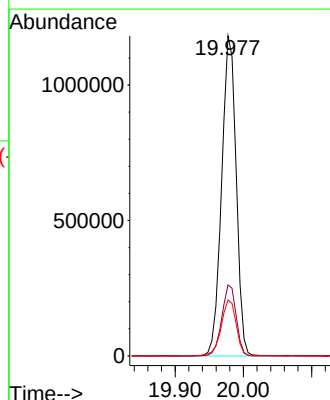
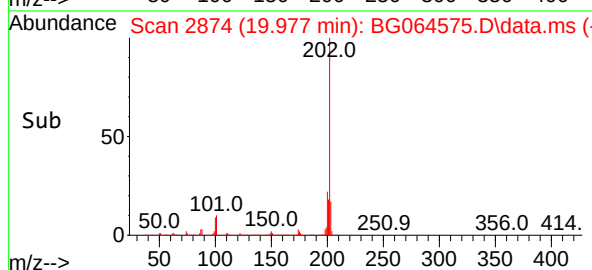
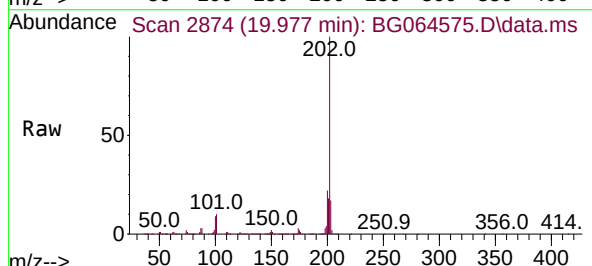
Manual Integrations
APPROVED

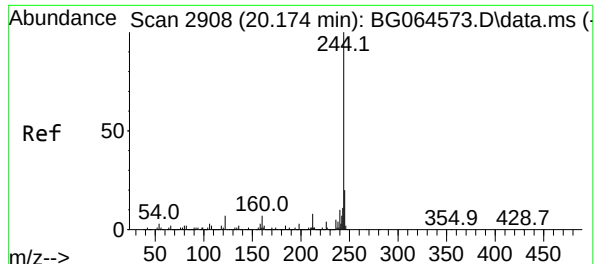
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#78
Pyrene
Concen: 73.215 ng
RT: 19.977 min Scan# 2874
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

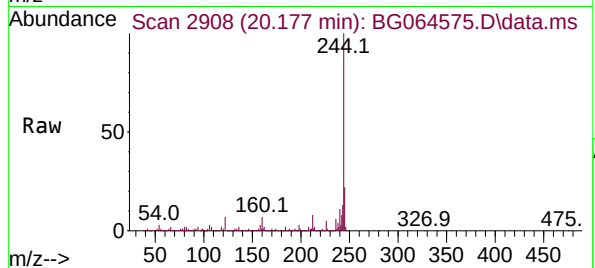
Tgt Ion:202 Resp: 1737788
Ion Ratio Lower Upper
202 100
200 22.2 17.0 25.4
203 17.5 13.8 20.6





#79
Terphenyl-d14
Concen: 140.125 ng
RT: 20.177 min Scan# 2908
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

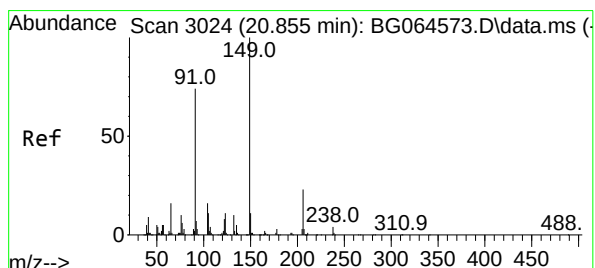
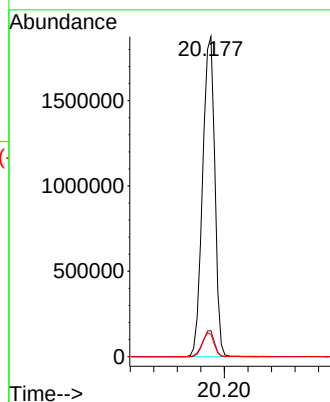
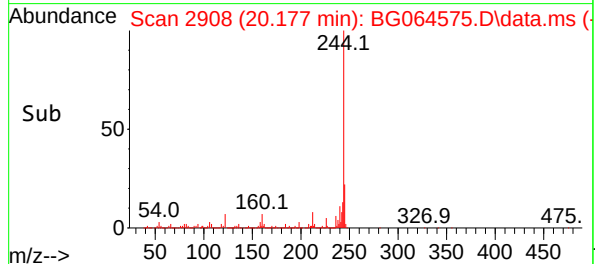
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



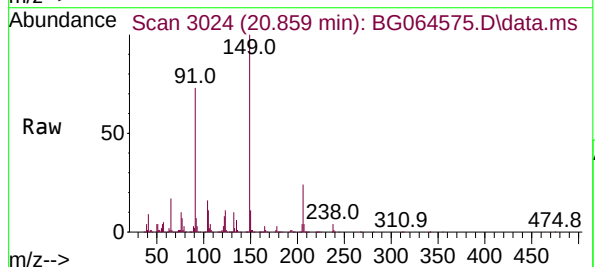
Tgt Ion:244 Resp: 2697491
Ion Ratio Lower Upper
244 100
212 8.1 6.1 9.1
122 7.0 5.6 8.4

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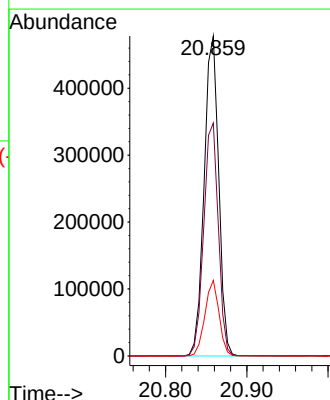
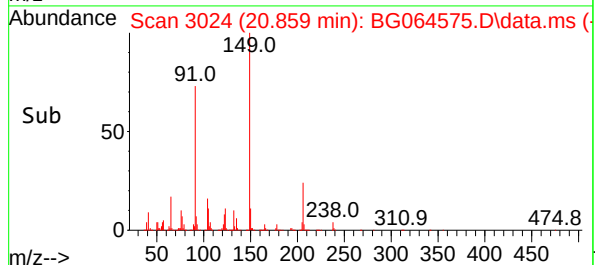
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

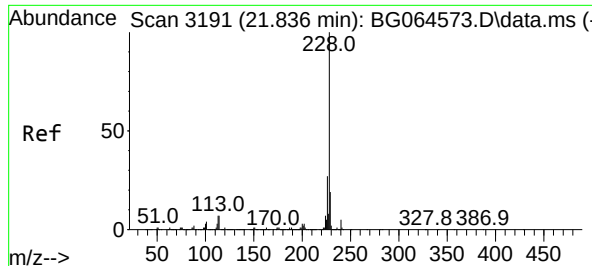


#80
Butylbenzylphthalate
Concen: 82.988 ng
RT: 20.859 min Scan# 3024
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



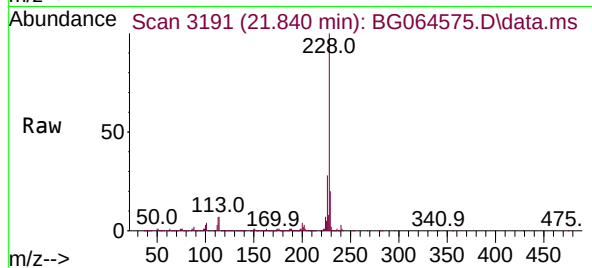
Tgt Ion:149 Resp: 595333
Ion Ratio Lower Upper
149 100
91 72.8 59.2 88.8
206 23.6 18.1 27.1





#81
Benzo(a)anthracene
Concen: 74.959 ng
RT: 21.840 min Scan# 3191
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

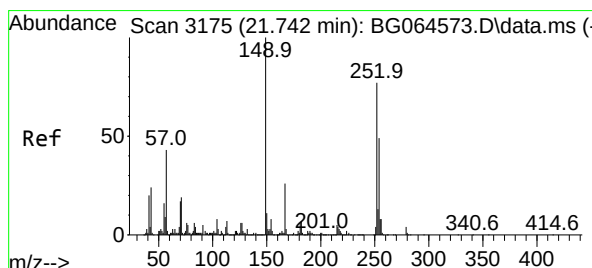
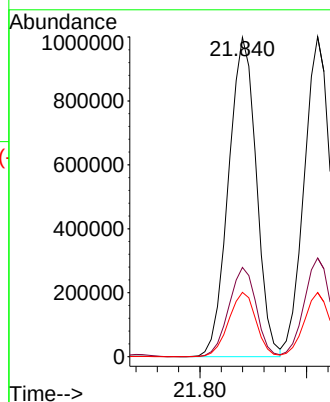
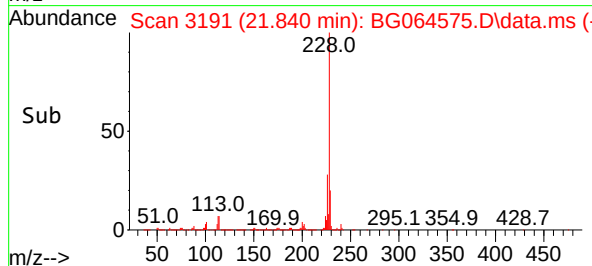
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:228 Resp: 1805628
Ion Ratio Lower Upper
228 100
226 28.0 21.9 32.9
229 20.1 15.6 23.4

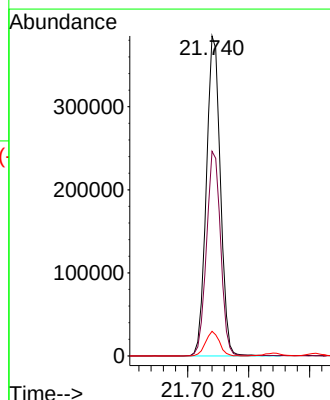
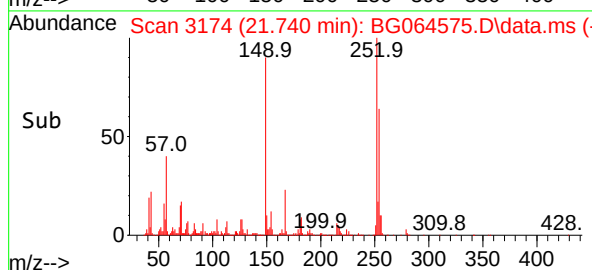
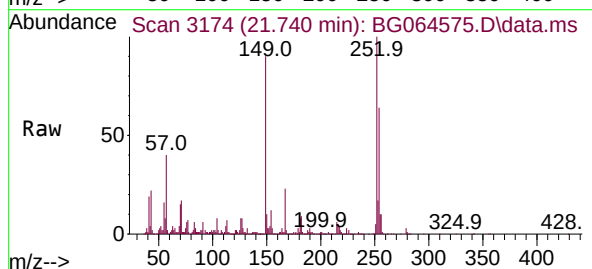
Manual Integrations
APPROVED

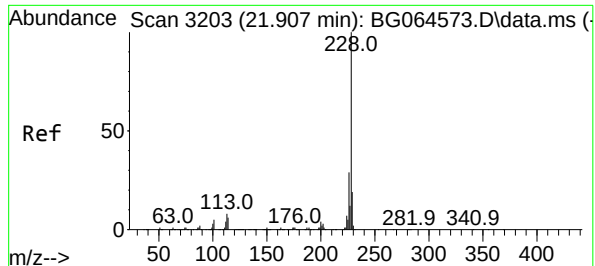
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#82
3,3'-Dichlorobenzidine
Concen: 76.524 ng
RT: 21.740 min Scan# 3174
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

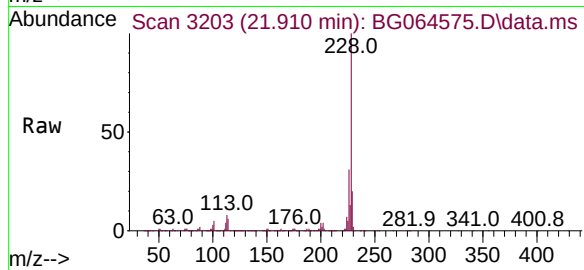
Tgt Ion:252 Resp: 615546
Ion Ratio Lower Upper
252 100
254 63.9 50.8 76.2
126 7.7 5.8 8.6





#83
Chrysene
Concen: 74.368 ng
RT: 21.910 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

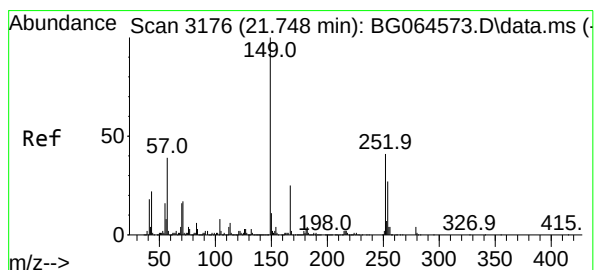
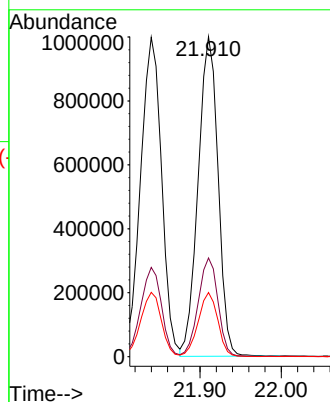
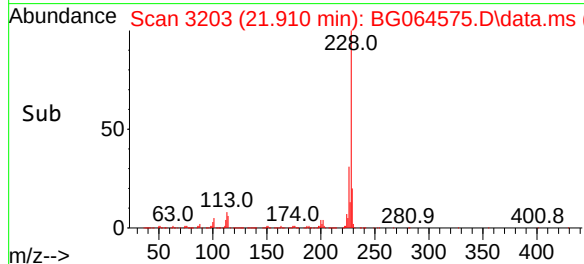
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:228 Resp: 1704533
Ion Ratio Lower Upper
228 100
226 30.8 23.3 34.9
229 20.0 15.2 22.8

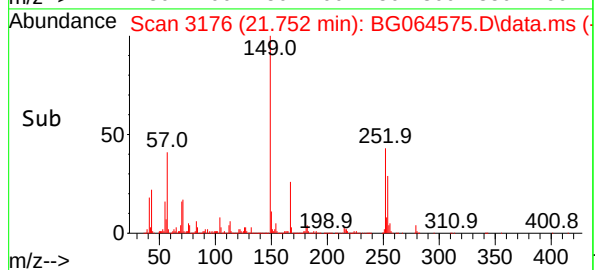
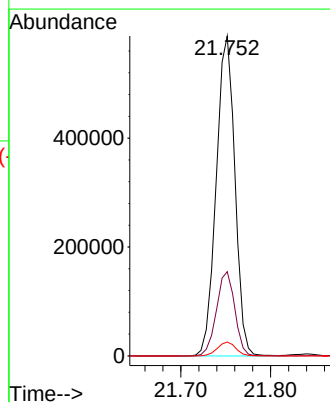
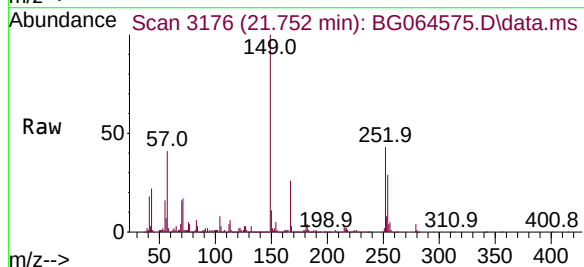
Manual Integrations
APPROVED

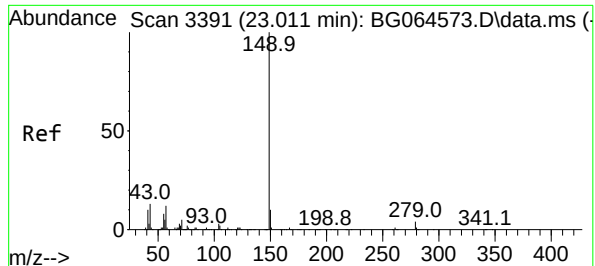
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 79.672 ng
RT: 21.752 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

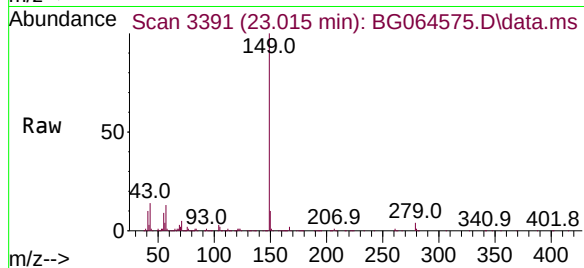
Tgt Ion:149 Resp: 854027
Ion Ratio Lower Upper
149 100
167 26.3 20.0 30.0
279 4.3 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 79.289 ng
RT: 23.015 min Scan# 3391
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

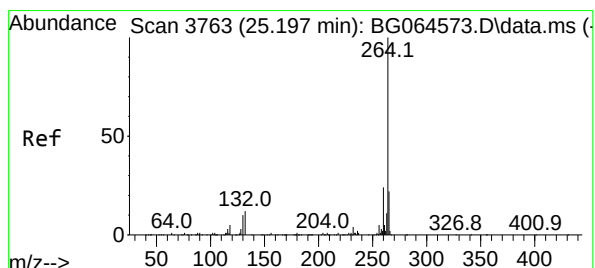
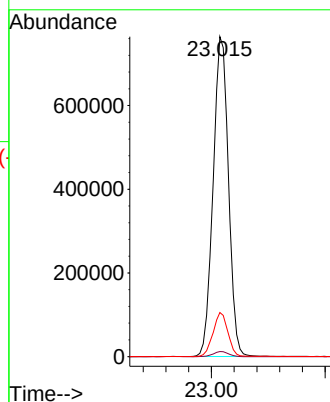
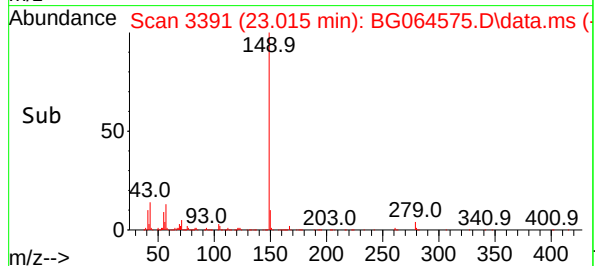
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:149 Resp: 1432956
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 13.5 10.8 16.2

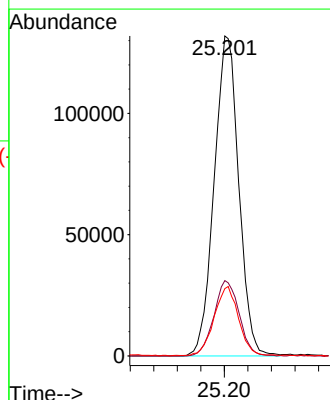
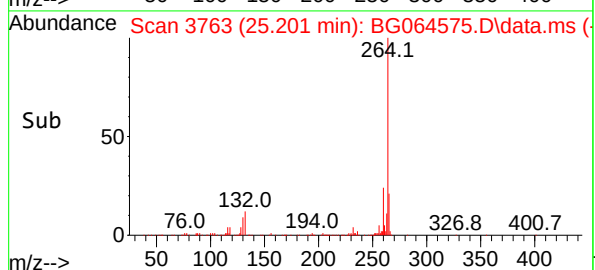
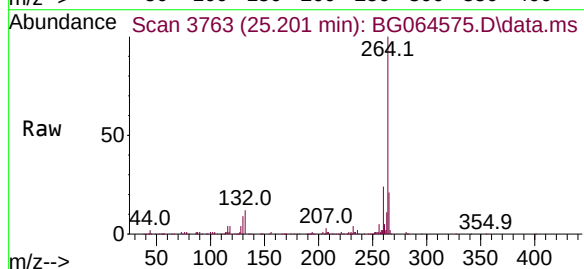
Manual Integrations
APPROVED

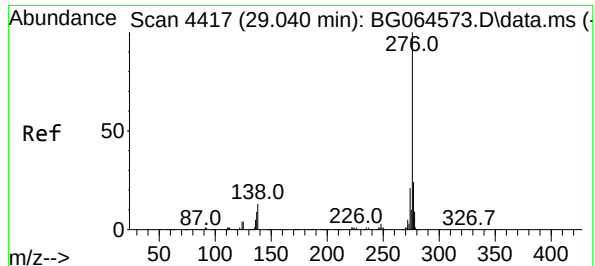
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.201 min Scan# 3763
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:264 Resp: 382372
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.4
265 21.0 17.6 26.4





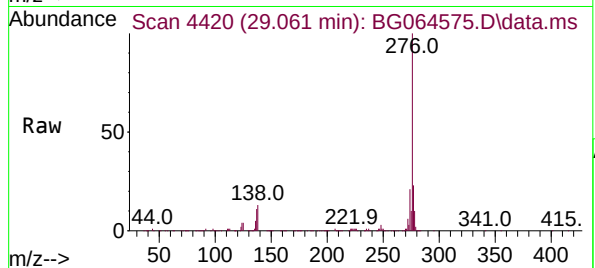
#87
Indeno(1,2,3-cd)pyrene
Concen: 76.663 ng
RT: 29.061 min Scan# 4417
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

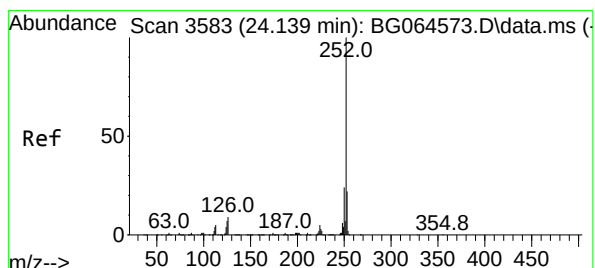
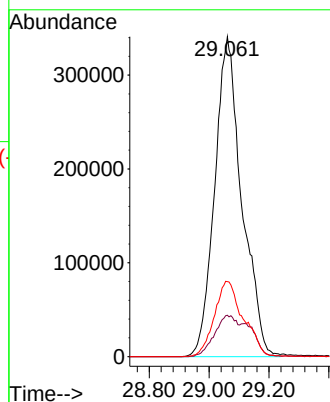
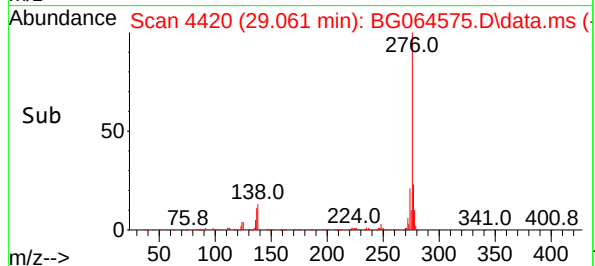


Tgt Ion:276 Resp: 2156428
Ion Ratio Lower Upper
276 100
138 10.9 10.8 16.2
277 25.2 20.1 30.1

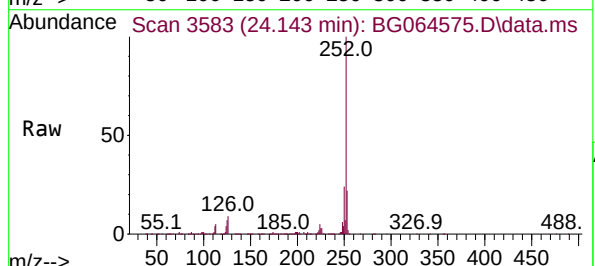
Manual Integrations

APPROVED

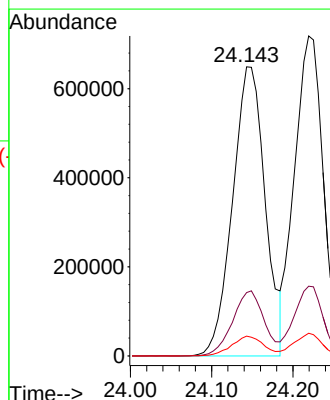
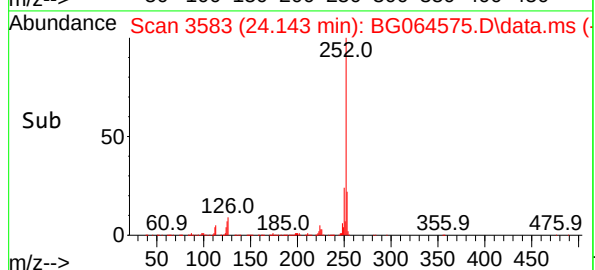
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

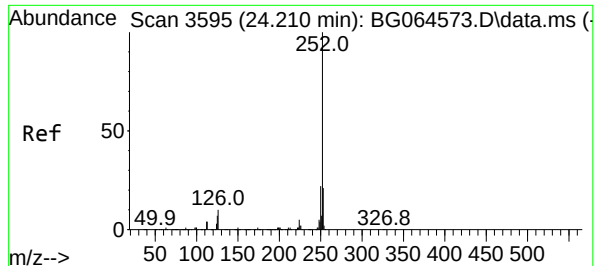


#88
Benzo(b)fluoranthene
Concen: 77.199 ng
RT: 24.143 min Scan# 3583
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24



Tgt Ion:252 Resp: 1810094
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 6.8 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 74.916 ng

RT: 24.219 min Scan# 3596

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

Instrument :

BNA_G

ClientSampleId :

SSTDICC080

Tgt Ion:252 Resp: 1757758

Ion Ratio Lower Upper

252 100

253 21.8 16.8 25.2

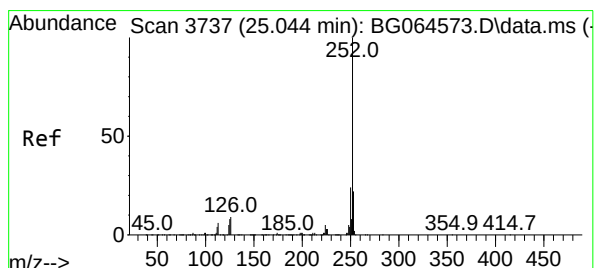
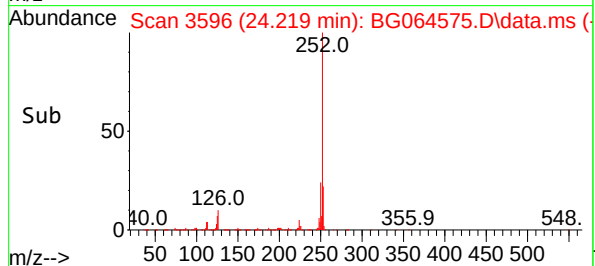
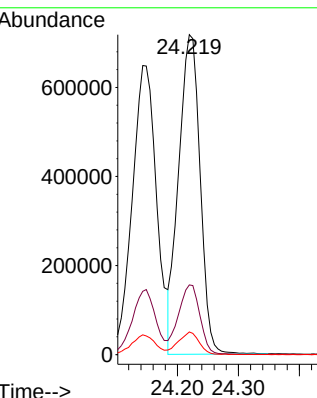
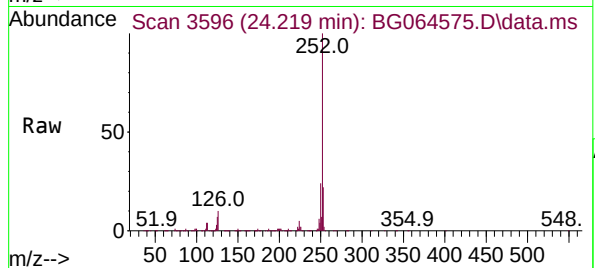
125 7.1 5.4 8.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#90

Benzo(a)pyrene

Concen: 76.546 ng

RT: 25.060 min Scan# 3739

Delta R.T. 0.000 min

Lab File: BG064575.D

Acq: 24 Oct 2025 14:24

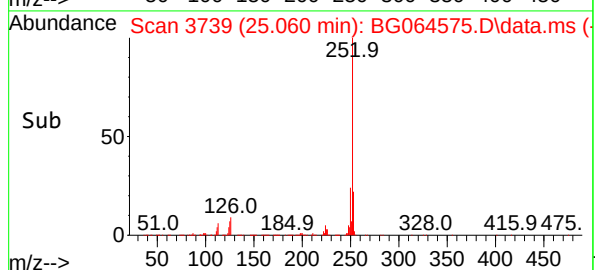
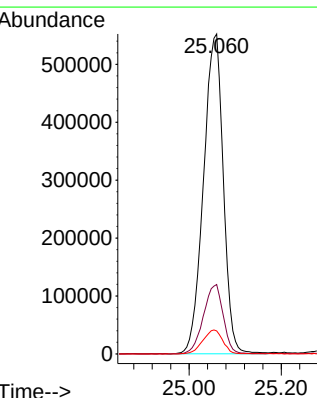
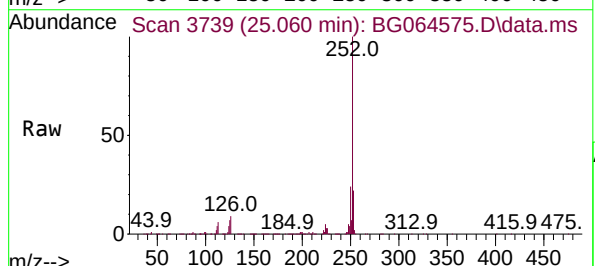
Tgt Ion:252 Resp: 1649779

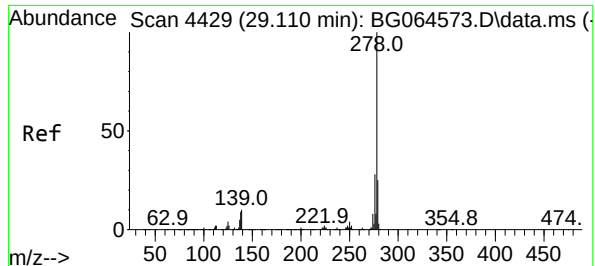
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

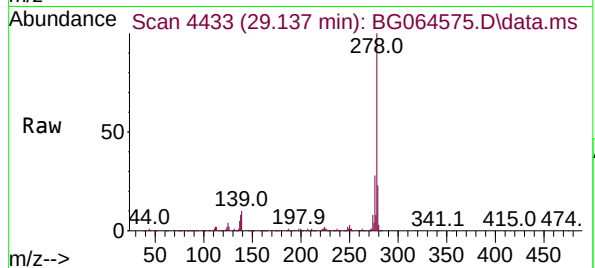
125 7.2 6.1 9.1





#91
Dibenzo(a,h)anthracene
Concen: 76.486 ng
RT: 29.137 min Scan# 4429
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

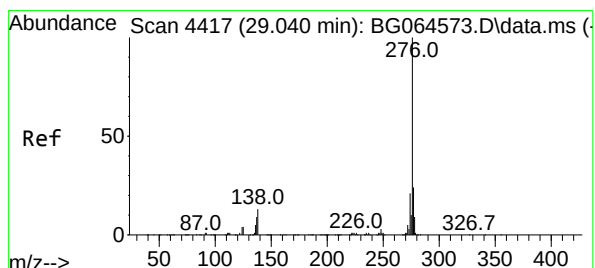
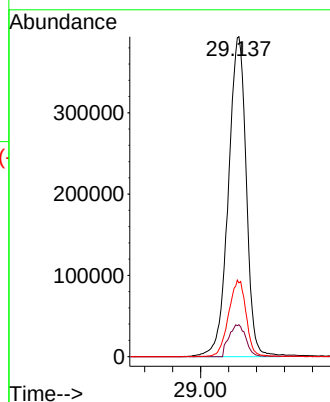
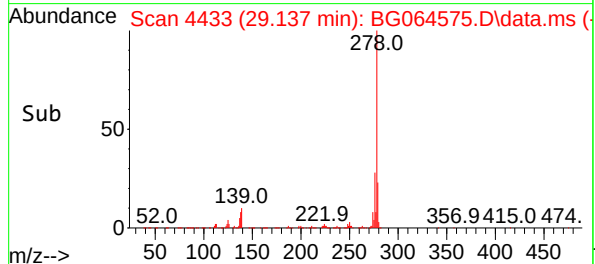
Instrument :
BNA_G
ClientSampleId :
SSTDICC080



Tgt Ion:278 Resp: 1747890
Ion Ratio Lower Upper
278 100
139 10.0 8.0 12.0
279 23.0 19.8 29.6

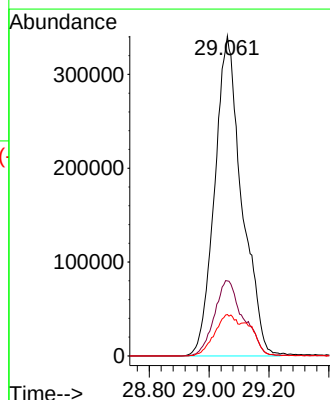
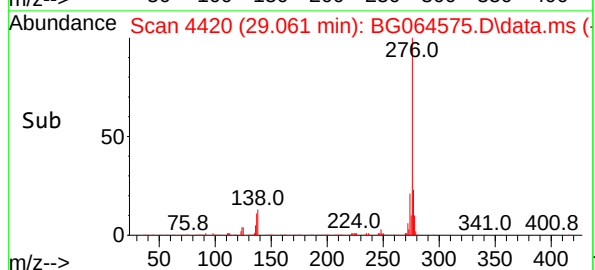
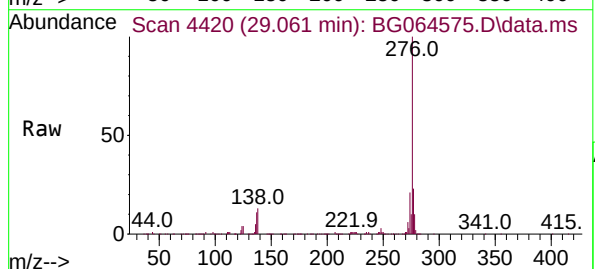
Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 76.663 ng
RT: 29.061 min Scan# 4420
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:276 Resp: 2156428
Ion Ratio Lower Upper
276 100
277 23.4 19.2 28.8
138 12.9 10.7 16.1



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 :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:31 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.224	152	43774	20.000	ng	0.00
21) Naphthalene-d8	11.050	136	182273	20.000	ng	0.00
39) Acenaphthene-d10	14.846	164	142032	20.000	ng	0.00
64) Phenanthrene-d10	17.584	188	343365	20.000	ng	0.00
76) Chrysene-d12	21.861	240	367592	20.000	ng	0.00
86) Perylene-d12	25.210	264	385865	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	249333	95.606	ng	0.00
7) Phenol-d6	7.354	99	349586	97.687	ng	0.00
23) Nitrobenzene-d5	9.387	82	324249	106.847	ng	0.00
42) 2,4,6-Tribromophenol	16.326	330	207294	101.122	ng	0.00
45) 2-Fluorobiphenyl	13.477	172	877315	93.626	ng	0.00
79) Terphenyl-d14	20.175	244	1814661	93.162	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.588	88	51872	44.926	ng	99
3) Pyridine	3.999	79	161000	46.434	ng	96
4) n-Nitrosodimethylamine	3.905	42	85377	45.917	ng	92
6) Aniline	7.536	93	228687	46.963	ng	99
8) 2-Chlorophenol	7.777	128	134062	49.112	ng	96
9) Benzaldehyde	7.343	77	91457	46.812	ng	96
10) Phenol	7.384	94	192663	48.681	ng	98
11) bis(2-Chloroethyl)ether	7.536	93	228687	46.963	ng	97
12) 1,3-Dichlorobenzene	8.112	146	146905	46.758	ng	98
13) 1,4-Dichlorobenzene	8.259	146	151083	47.294	ng	93
14) 1,2-Dichlorobenzene	8.582	146	143986	46.729	ng	96
15) Benzyl Alcohol	8.447	79	142880	48.417	ng	99
16) 2,2'-oxybis(1-Chloropr...	8.741	45	361264	47.332	ng	99
17) 2-Methylphenol	8.453	107	74046	50.198	ng	96
18) Hexachloroethane	9.328	117	54330	48.463	ng	94
19) n-Nitroso-di-n-propyla...	9.029	70	122051	49.350	ng	97
20) 3+4-Methylphenols	8.982	107	176415	47.740	ng	99
22) Acetophenone	9.046	105	234956	47.155	ng	# 100
24) Nitrobenzene	9.428	77	171837	52.060	ng	96
25) Isophorone	9.957	82	348174	47.813	ng	97
26) 2-Nitrophenol	10.145	139	61611	48.353	ng	90
27) 2,4-Dimethylphenol	10.198	122	140852m	50.979	ng	
28) bis(2-Chloroethoxy)met...	10.439	93	194038	46.800	ng	99
29) 2,4-Dichlorophenol	10.680	162	148850	51.062	ng	94
30) 1,2,4-Trichlorobenzene	10.909	180	159207	48.068	ng	94
31) Naphthalene	11.103	128	471891	46.695	ng	98
32) Benzoic acid	10.321	122	97652m	48.883	ng	
33) 4-Chloroaniline	11.191	127	186814	47.560	ng	98
34) Hexachlorobutadiene	11.397	225	123596	47.716	ng	98
35) Caprolactam	11.961	113	53689	48.020	ng	# 93
36) 4-Chloro-3-methylphenol	12.296	107	171120	48.836	ng	98
37) 2-Methylnaphthalene	12.695	142	351946	47.435	ng	97
38) 1-Methylnaphthalene	12.913	142	342687	46.939	ng	95
40) 1,2,4,5-Tetrachloroben...	13.054	216	224658	47.131	ng	99
41) Hexachlorocyclopentadiene	13.042	237	105411	49.131	ng	98
43) 2,4,6-Trichlorophenol	13.283	196	141505	51.898	ng	98

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 :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:31 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.353	196	157315	49.997	ng	96
46) 1,1'-Biphenyl	13.688	154	470676	46.613	ng	99
47) 2-Chloronaphthalene	13.729	162	359811	47.208	ng	99
48) 2-Nitroaniline	13.911	65	121908	47.668	ng	92
49) Acenaphthylene	14.569	152	565771	47.060	ng	99
50) Dimethylphthalate	14.293	163	519303	47.781	ng	99
51) 2,6-Dinitrotoluene	14.405	165	86665	48.306	ng	99
52) Acenaphthene	14.910	154	388012	47.239	ng	99
53) 3-Nitroaniline	14.734	138	99748	53.405	ng	96
54) 2,4-Dinitrophenol	14.928	184	49318	47.268	ng	89
55) Dibenzofuran	15.239	168	615553	46.355	ng	99
56) 4-Nitrophenol	15.016	139	88609	51.169	ng	95
57) 2,4-Dinitrotoluene	15.186	165	132374	47.759	ng	# 99
58) Fluorene	15.891	166	481625	46.441	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.457	232	157783	52.440	ng	99
60) Diethylphthalate	15.650	149	527594	47.543	ng	100
61) 4-Chlorophenyl-phenyle...	15.880	204	271068	46.576	ng	98
62) 4-Nitroaniline	15.891	138	110067	52.970	ng	98
63) Azobenzene	16.168	77	475203	46.671	ng	99
65) 4,6-Dinitro-2-methylph...	15.944	198	71672	47.500	ng	95
66) n-Nitrosodiphenylamine	16.085	169	444824	47.959	ng	99
67) 4-Bromophenyl-phenylether	16.773	248	196226	48.225	ng	96
68) Hexachlorobenzene	16.890	284	223018	48.043	ng	94
69) Atrazine	17.025	200	187862	47.066	ng	96
70) Pentachlorophenol	17.225	266	147427	50.930	ng	95
71) Phenanthrene	17.625	178	875415	46.621	ng	99
72) Anthracene	17.719	178	893629	46.785	ng	99
73) Carbazole	17.977	167	781031	46.370	ng	100
74) Di-n-butylphthalate	18.535	149	930281	47.762	ng	100
75) Fluoranthene	19.622	202	1092855	46.459	ng	99
77) Benzidine	19.787	184	382418	46.435	ng	100
78) Pyrene	19.981	202	1133345	47.190	ng	99
80) Butylbenzylphthalate	20.856	149	374611	51.609	ng	100
81) Benzo(a)anthracene	21.843	228	1151242	47.234	ng	99
82) 3,3'-Dichlorobenzidine	21.743	252	389240	47.824	ng	97
83) Chrysene	21.908	228	1091456	47.062	ng	98
84) Bis(2-ethylhexyl)phtha...	21.749	149	537716	49.576	ng	98
85) Di-n-octyl phthalate	23.018	149	896763	49.039	ng	99
87) Indeno(1,2,3-cd)pyrene	29.052	276	1346188	47.425	ng	97
88) Benzo(b)fluoranthene	24.146	252	1131250	47.810	ng	100
89) Benzo(k)fluoranthene	24.217	252	1110490	46.901	ng	98
90) Benzo(a)pyrene	25.051	252	1029605	47.339	ng	99
91) Dibenzo(a,h)anthracene	29.129	278	1090407	47.283	ng	99
92) Benzo(g,h,i)perylene	29.052	276	1346188	47.425	ng	100

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

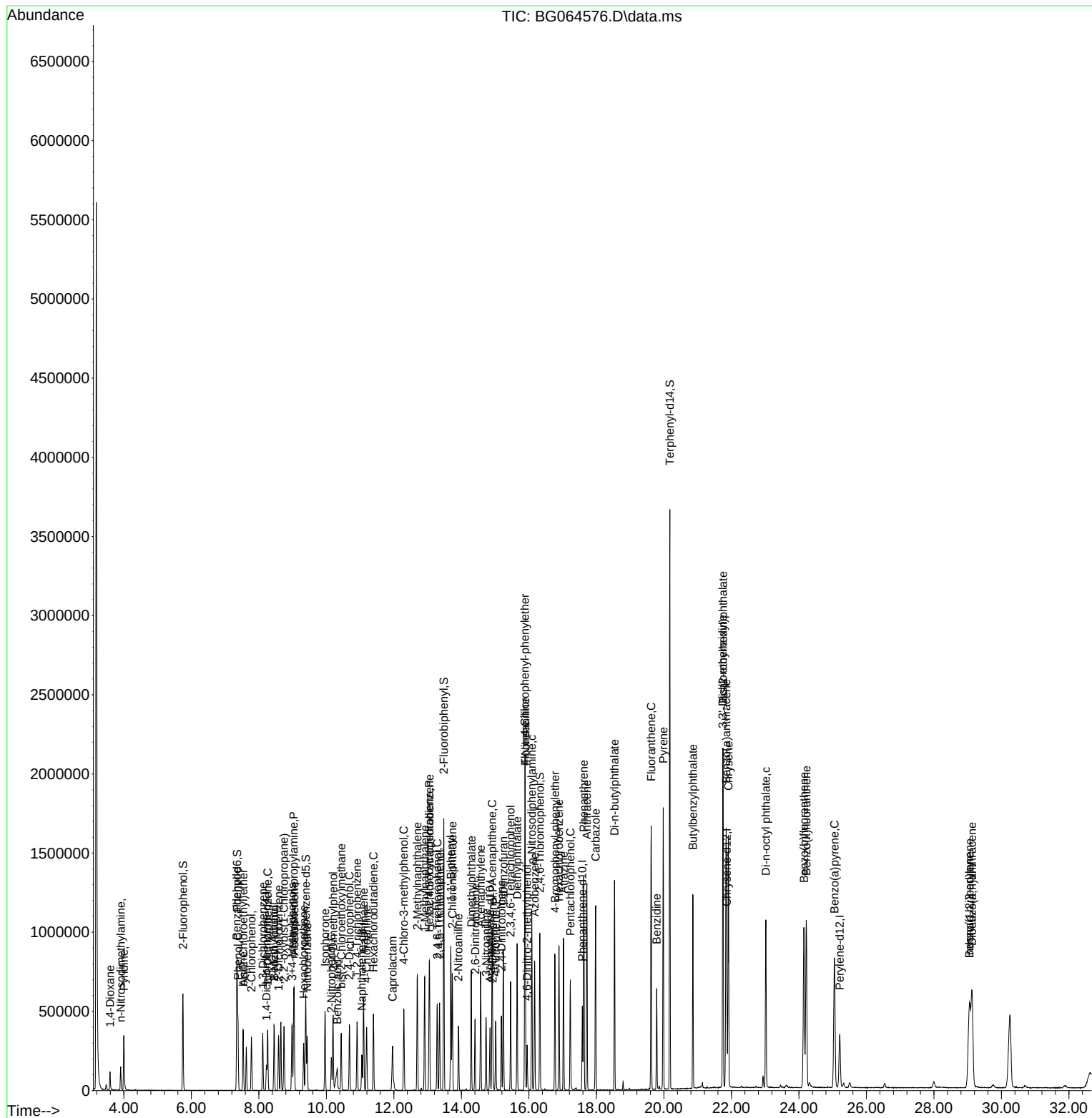
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Acq On    : 24 Oct 2025  15:32  
Operator  : RC/JU  
Sample    : SSTDICC050  
Misc      :  
ALS Vial  : 9   Sample Multiplier: 1
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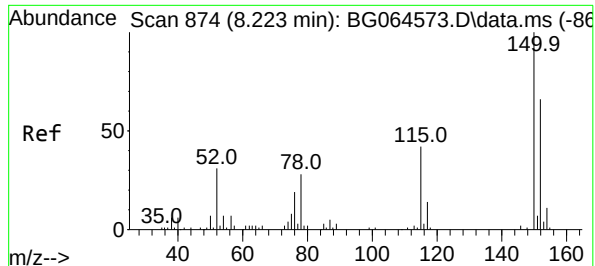
Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations

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

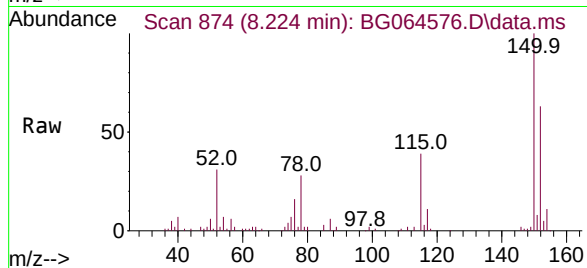
Quant Time: Oct 24 17:11:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 81
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

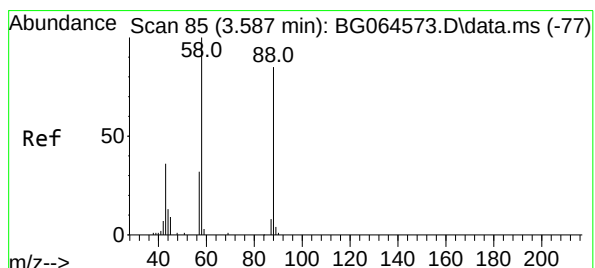
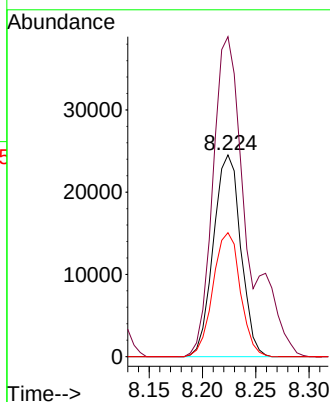
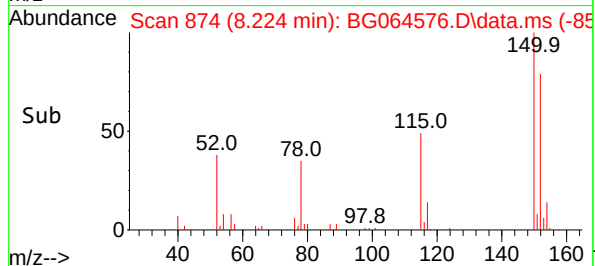
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:152 Resp: 43774
Ion Ratio Lower Upper
152 100
150 158.7 122.2 183.4
115 61.5 50.8 76.2

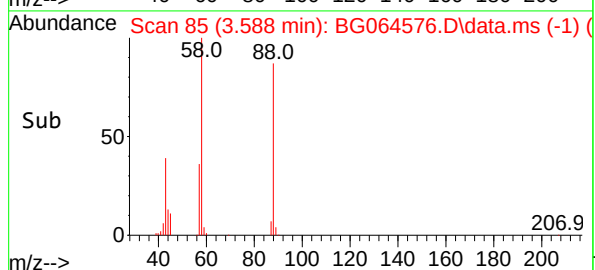
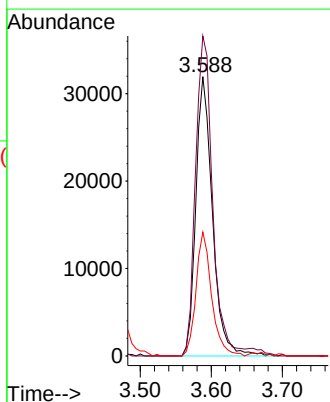
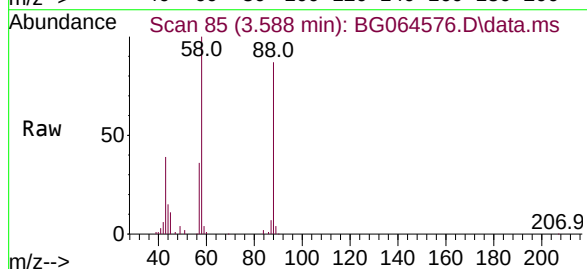
Manual Integrations
APPROVED

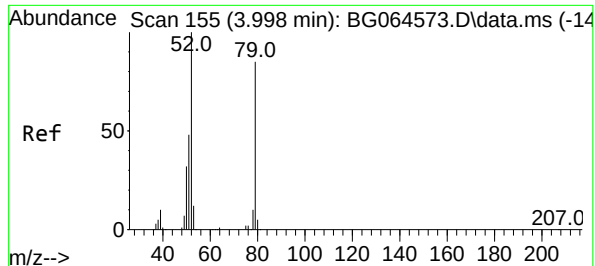
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#2
1,4-Dioxane
Concen: 44.926 ng
RT: 3.588 min Scan# 85
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

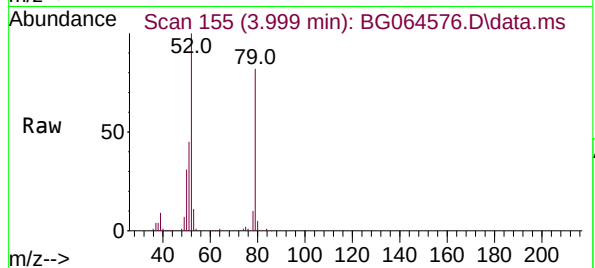
Tgt Ion: 88 Resp: 51872
Ion Ratio Lower Upper
88 100
58 116.7 92.4 138.6
43 41.6 33.0 49.6





#3
Pyridine
Concen: 46.434 ng
RT: 3.999 min Scan# 155
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

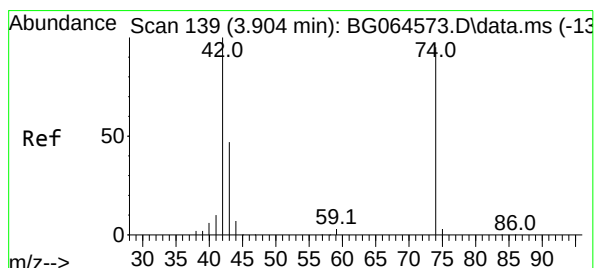
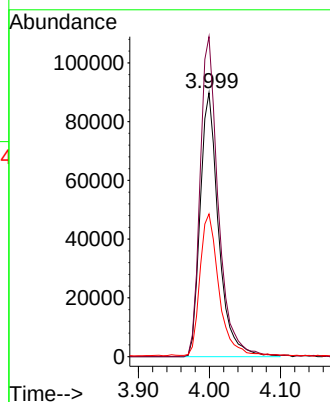
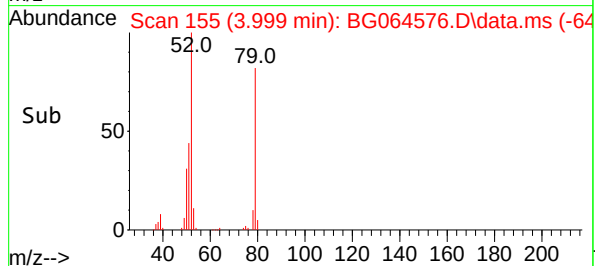
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion: 79 Resp: 161000
Ion Ratio Lower Upper
79 100
52 121.3 94.2 141.2
51 54.1 46.1 69.1

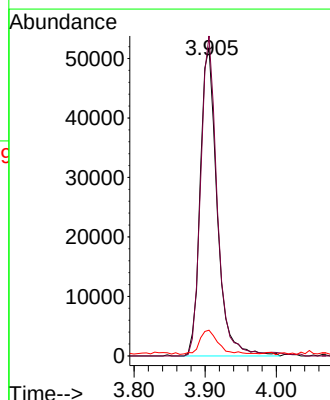
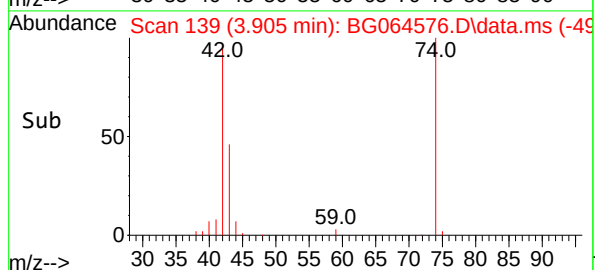
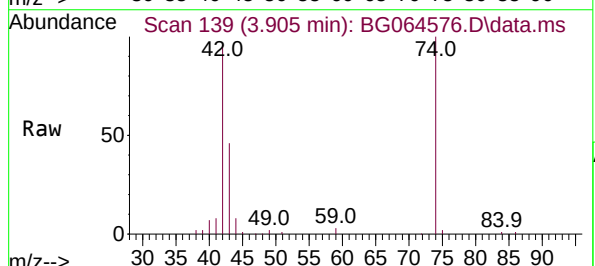
Manual Integrations
APPROVED

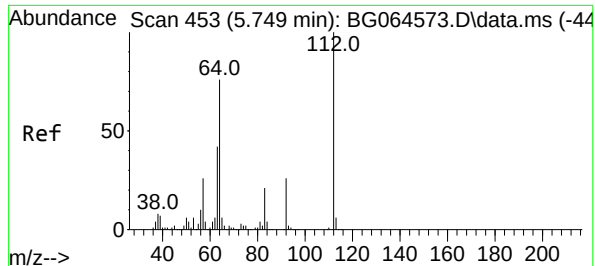
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#4
n-Nitrosodimethylamine
Concen: 45.917 ng
RT: 3.905 min Scan# 139
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

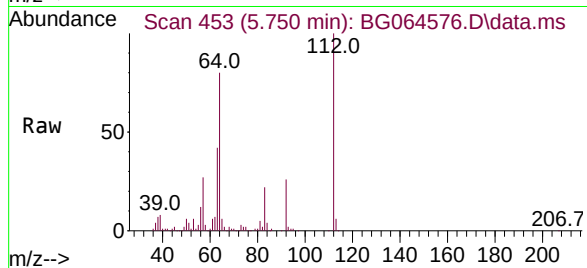
Tgt Ion: 42 Resp: 85377
Ion Ratio Lower Upper
42 100
74 103.9 76.1 114.1
44 8.4 6.3 9.5





#5
2-Fluorophenol
Concen: 95.606 ng
RT: 5.750 min Scan# 453
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

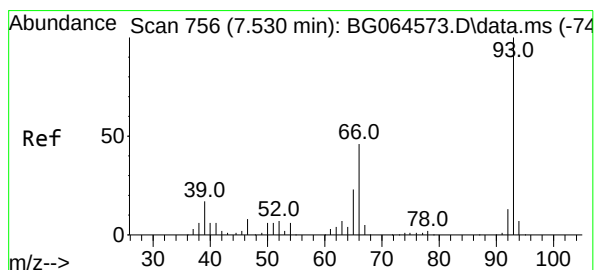
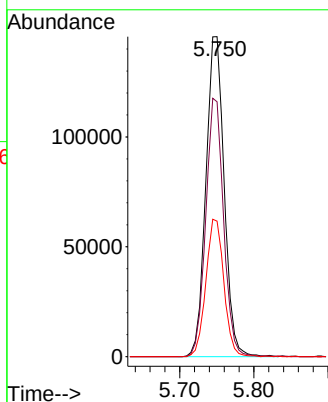
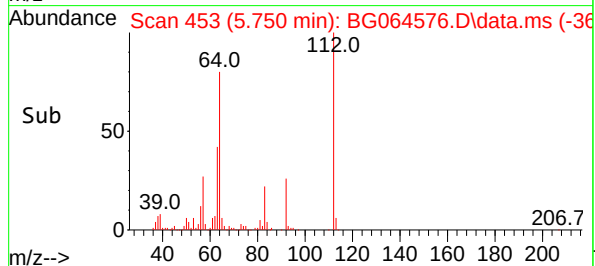
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion: 112 Resp: 249333
Ion Ratio Lower Upper
112 100
64 79.6 60.7 91.1
63 42.3 33.4 50.0

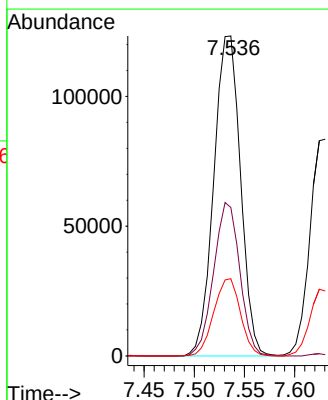
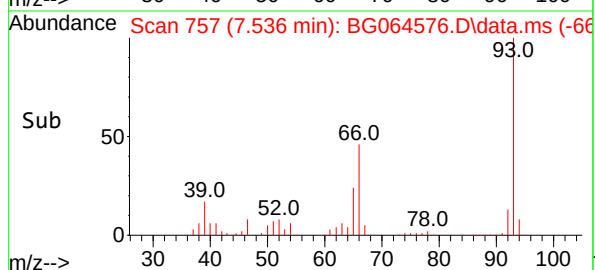
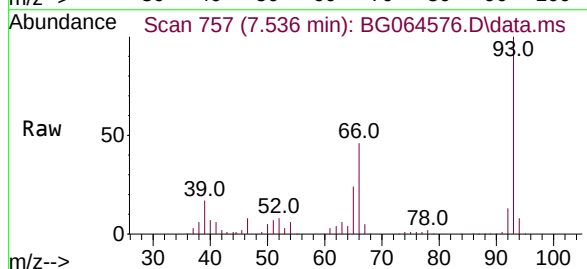
Manual Integrations
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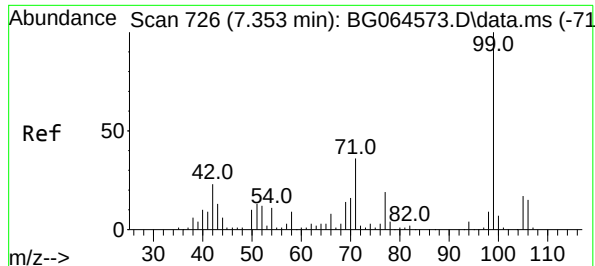
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#6
Aniline
Concen: 46.963 ng
RT: 7.536 min Scan# 757
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 93 Resp: 228687
Ion Ratio Lower Upper
93 100
66 46.4 37.0 55.6
65 24.1 18.3 27.5





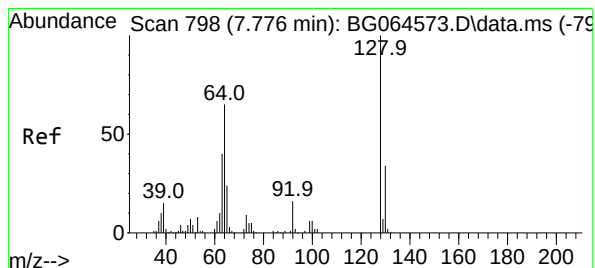
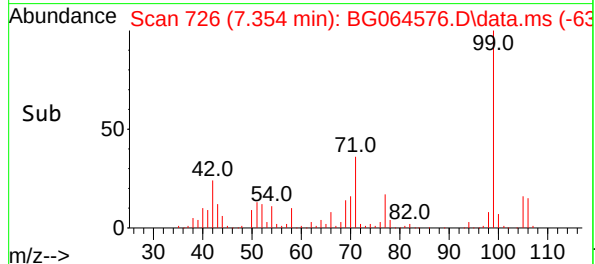
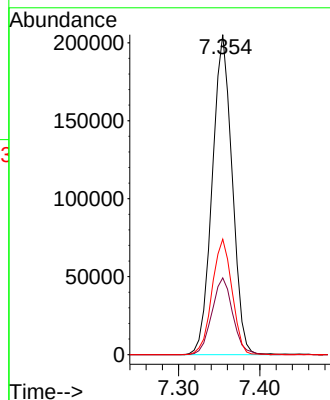
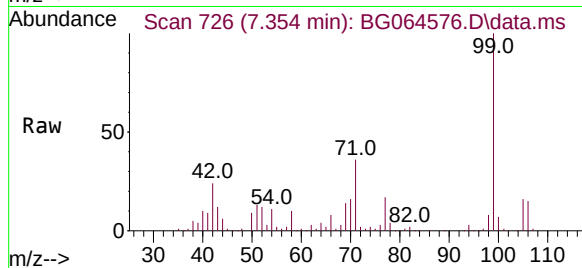
#7
Phenol-d6
Concen: 97.687 ng
RT: 7.354 min Scan# 71
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 349586
Ion Ratio Lower Upper
99 100
42 24.0 18.3 27.5
71 36.1 28.6 43.0

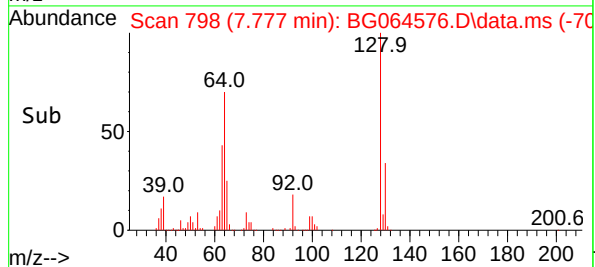
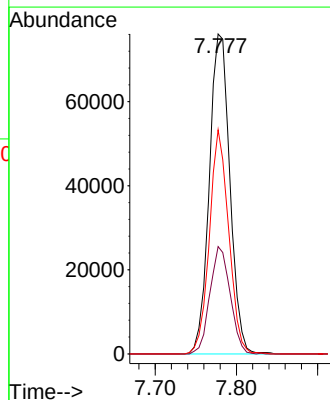
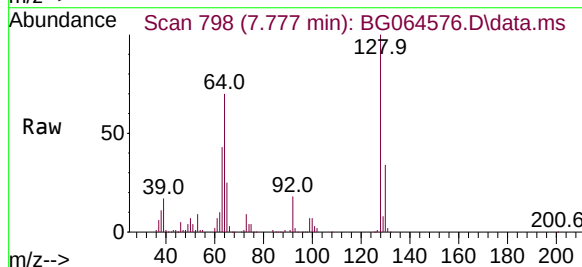
Manual Integrations
APPROVED

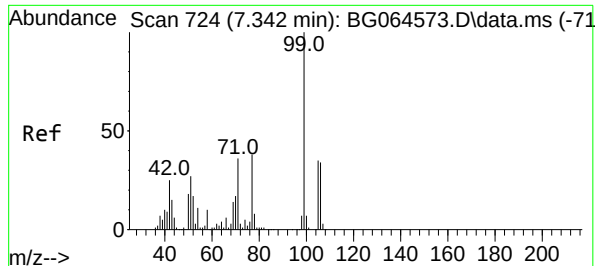
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#8
2-Chlorophenol
Concen: 49.112 ng
RT: 7.777 min Scan# 798
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:128 Resp: 134062
Ion Ratio Lower Upper
128 100
130 33.5 13.5 53.5
64 70.0 45.2 85.2





#9

Benzaldehyde

Concen: 46.812 ng

RT: 7.343 min Scan# 71

Delta R.T. 0.003 min

Lab File: BG064576.D

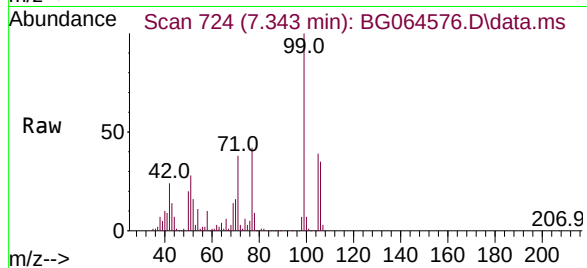
Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050



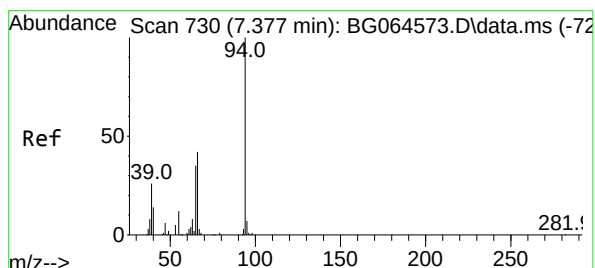
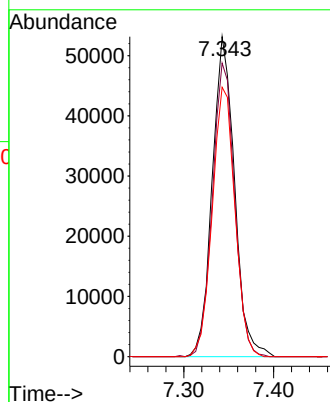
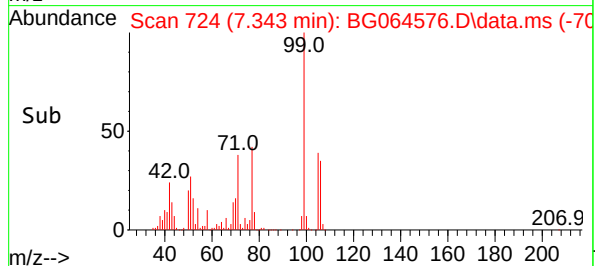
Tgt Ion:	77	Resp:	9145
Ion	Ratio	Lower	Upper
77	100		
105	91.7	72.9	112.9
106	84.2	70.8	110.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#10

Phenol

Concen: 48.681 ng

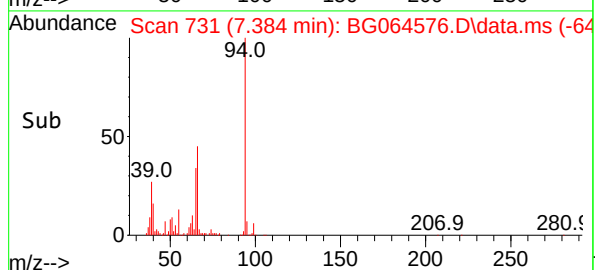
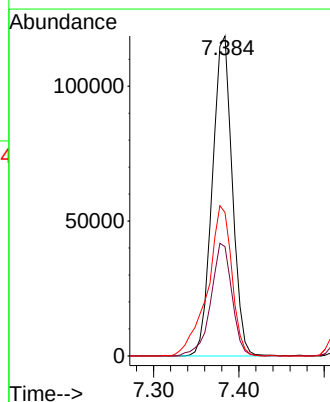
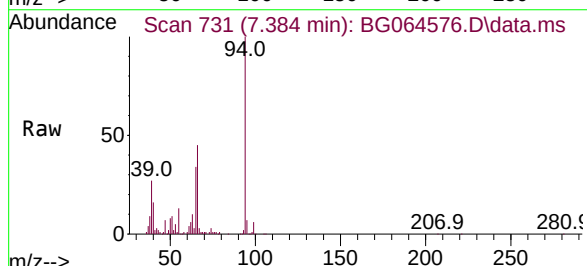
RT: 7.384 min Scan# 731

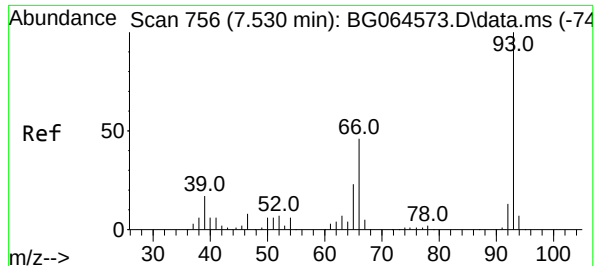
Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

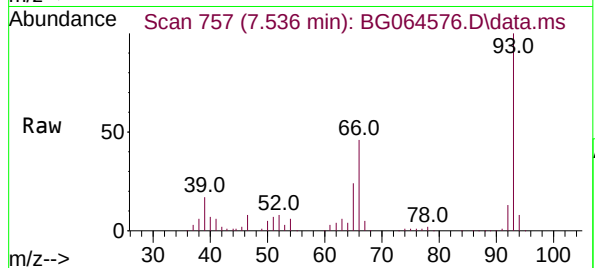
Tgt Ion:	94	Resp:	192663
Ion	Ratio	Lower	Upper
94	100		
65	34.1	15.8	55.8
66	44.8	24.0	64.0





#11
bis(2-Chloroethyl)ether
Concen: 46.963 ng
RT: 7.536 min Scan# 757
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

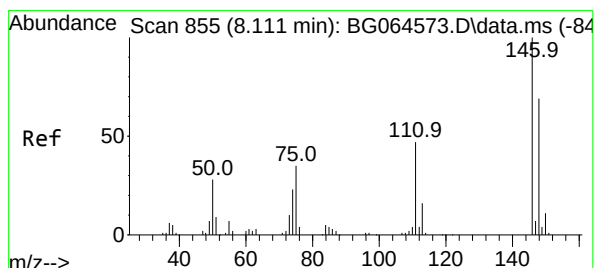
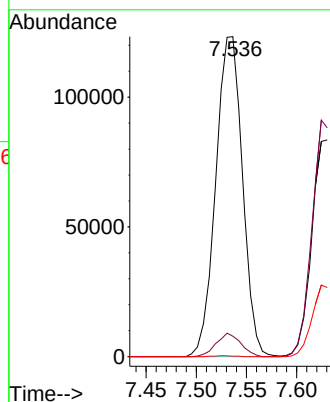
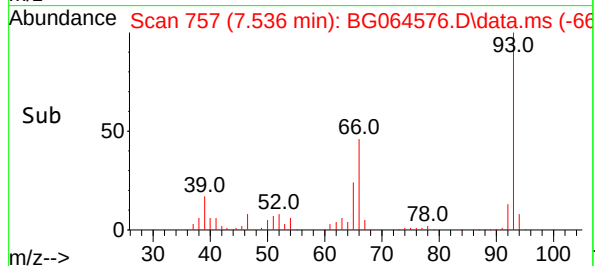
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion: 93 Resp: 22868
Ion Ratio Lower Upper
93 100
63 6.4 0.0 27.4
95 0.1 0.0 20.2

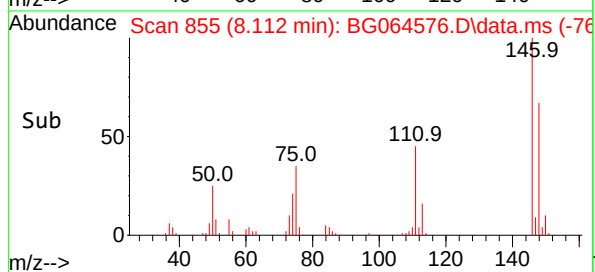
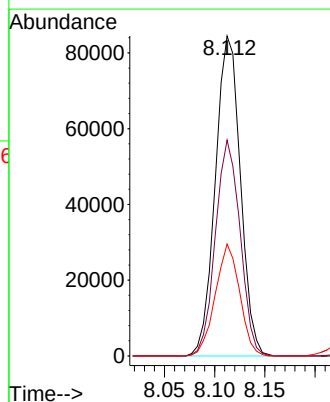
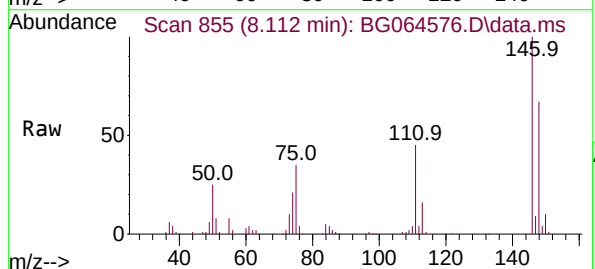
Manual Integrations
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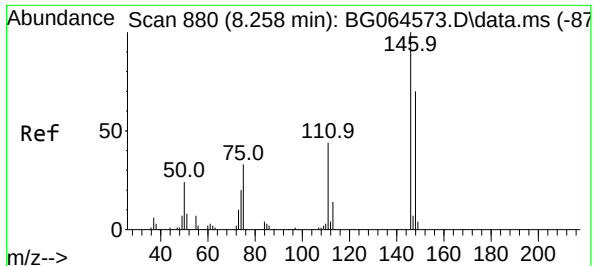
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#12
1,3-Dichlorobenzene
Concen: 46.758 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:146 Resp: 146905
Ion Ratio Lower Upper
146 100
148 67.4 55.3 82.9
75 34.9 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 47.294 ng

RT: 8.259 min Scan# 880

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:146 Resp: 151083

Ion Ratio Lower Upper

146 100

148 62.7 56.2 84.4

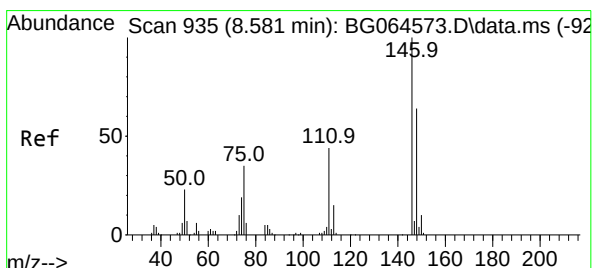
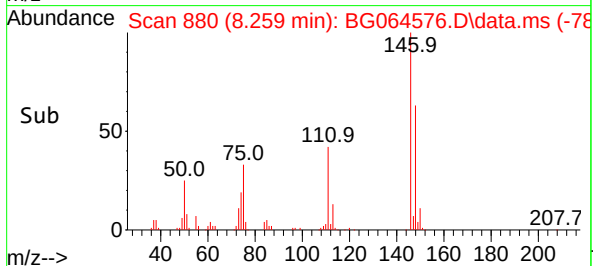
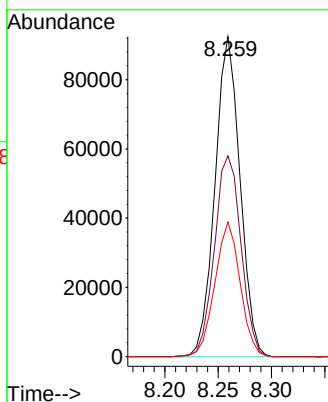
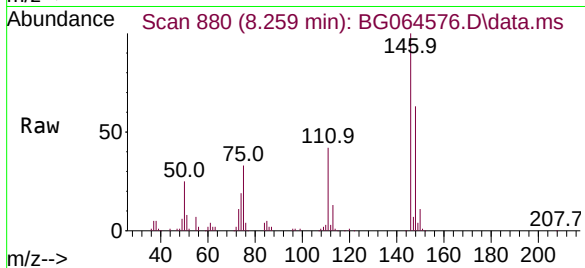
111 42.0 35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#14

1,2-Dichlorobenzene

Concen: 46.729 ng

RT: 8.582 min Scan# 935

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

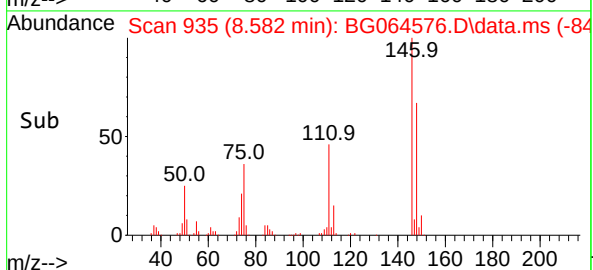
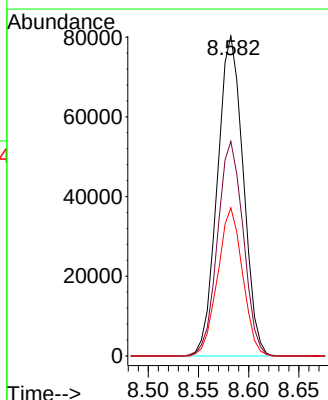
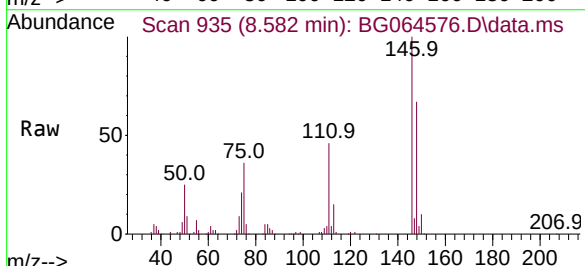
Tgt Ion:146 Resp: 143986

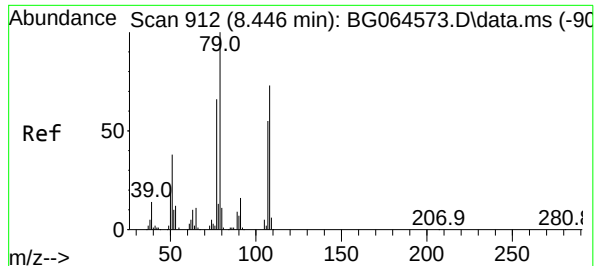
Ion Ratio Lower Upper

146 100

148 67.0 51.5 77.3

111 46.3 35.0 52.6





#15

Benzyl Alcohol

Concen: 48.417 ng

RT: 8.447 min Scan# 912

Delta R.T. -0.008 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion: 79 Resp: 142880

Ion Ratio Lower Upper

79 100

108 71.2 58.1 87.1

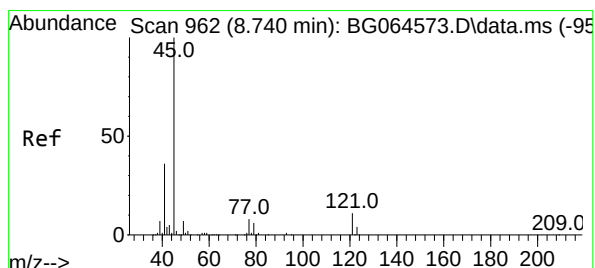
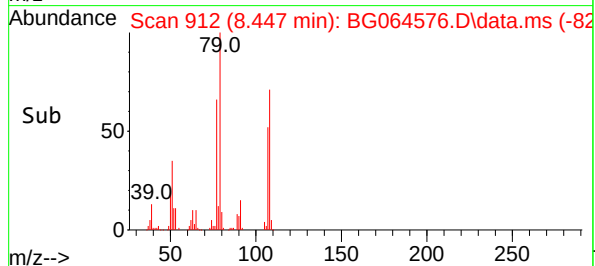
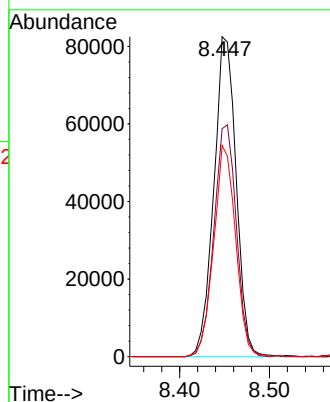
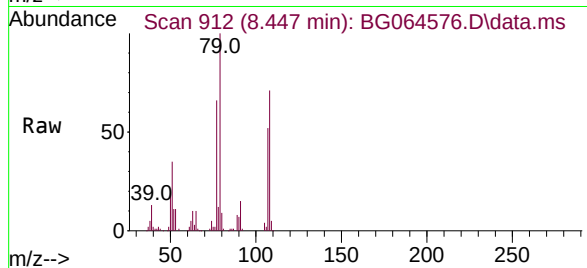
77 66.0 52.8 79.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.332 ng

RT: 8.741 min Scan# 962

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

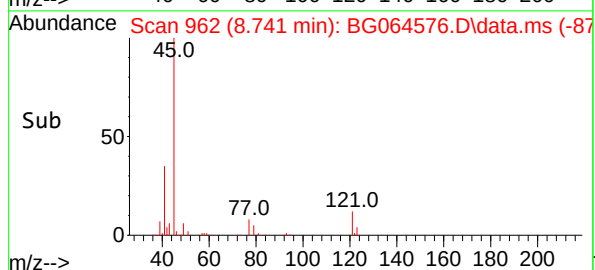
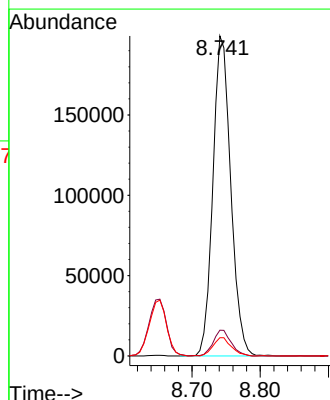
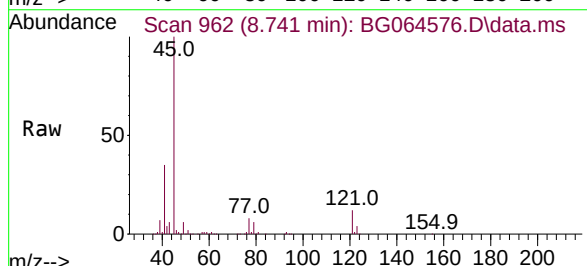
Tgt Ion: 45 Resp: 361264

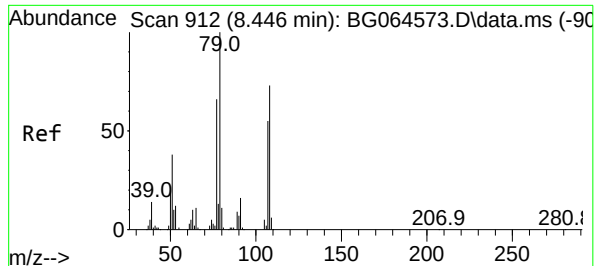
Ion Ratio Lower Upper

45 100

77 8.0 0.0 28.5

79 5.7 0.0 25.6





#17

2-Methylphenol

Concen: 50.198 ng

RT: 8.453 min Scan# 91

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:107 Resp: 74046

Ion Ratio Lower Upper

107 100

108 139.7 106.4 159.6

77 120.8 96.7 145.1

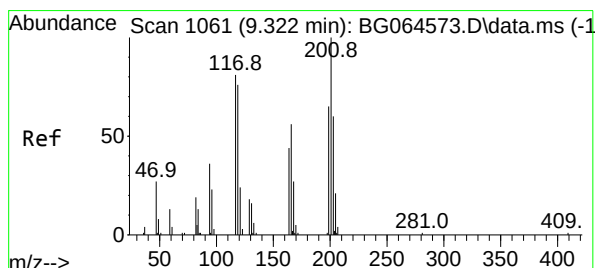
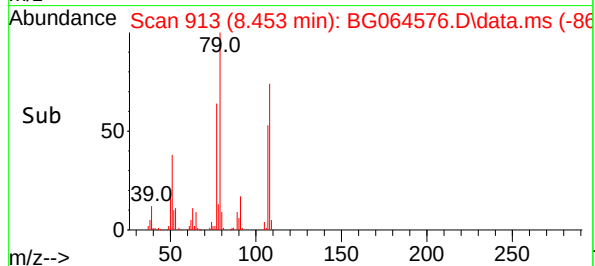
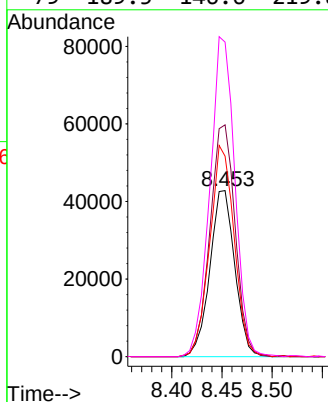
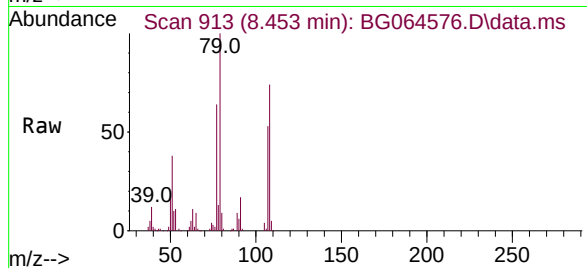
79 189.5 146.6 219.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#18

Hexachloroethane

Concen: 48.463 ng

RT: 9.328 min Scan# 1062

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

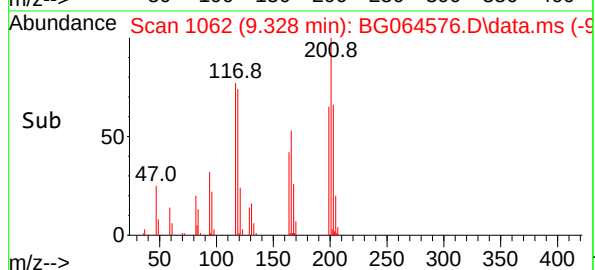
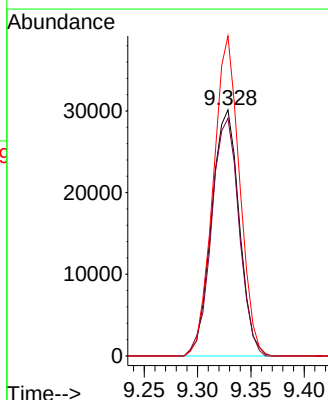
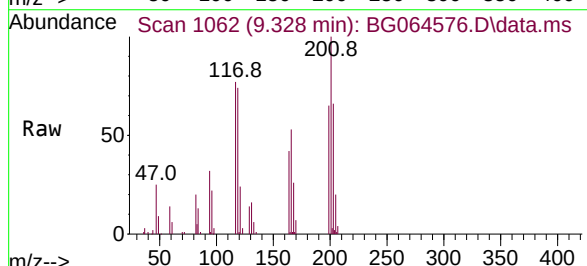
Tgt Ion:117 Resp: 54330

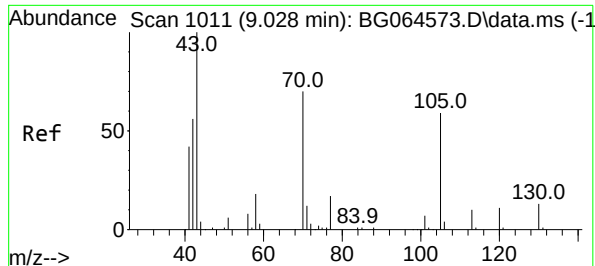
Ion Ratio Lower Upper

117 100

119 96.5 75.4 113.2

201 134.0 99.2 148.8





#19

n-Nitroso-di-n-propylamine

Concen: 49.350 ng

RT: 9.029 min Scan# 1011

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

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

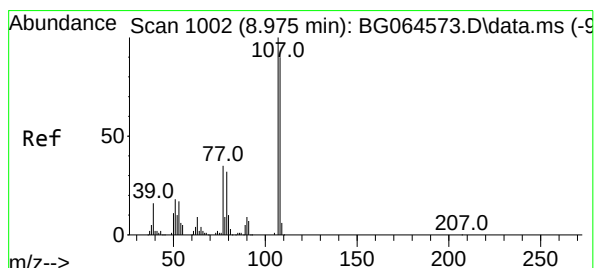
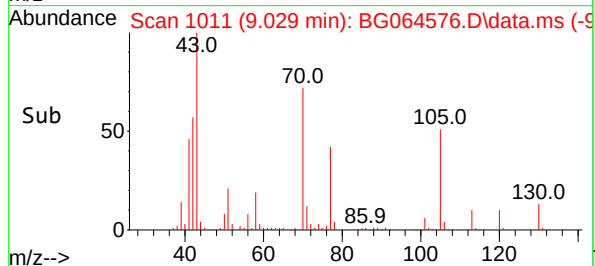
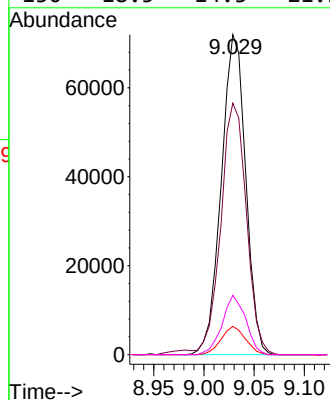
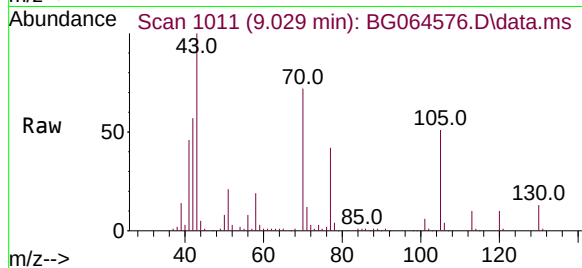
130 18.5 14.3 21.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#20

3+4-Methylphenols

Concen: 47.740 ng

RT: 8.982 min Scan# 1003

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Tgt Ion:107 Resp: 176415

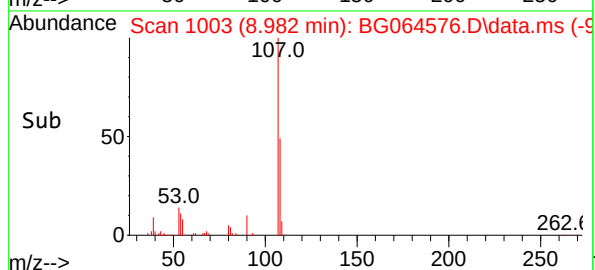
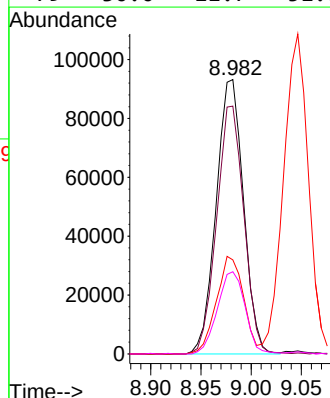
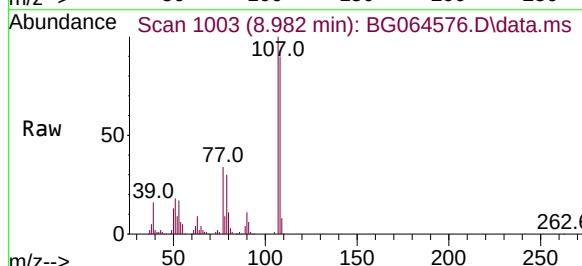
Ion Ratio Lower Upper

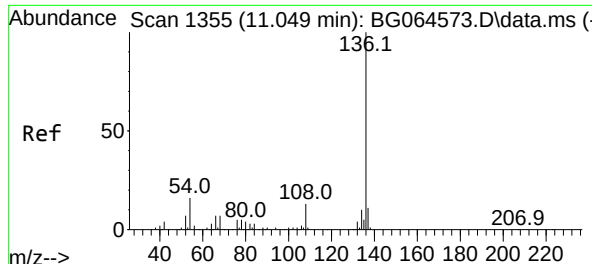
107 100

108 90.4 70.3 110.3

77 34.2 14.6 54.6

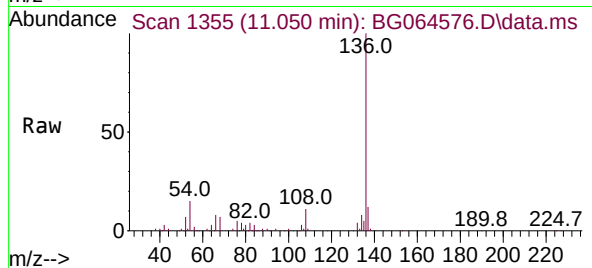
79 30.0 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1355
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

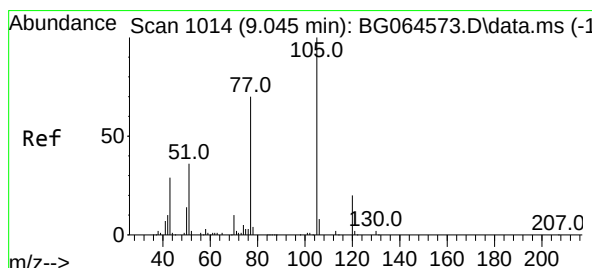
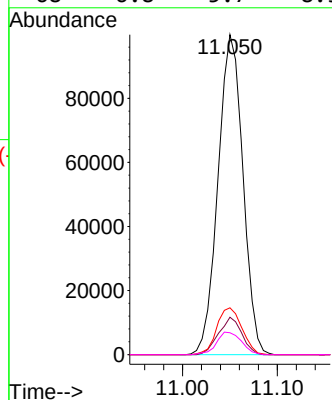
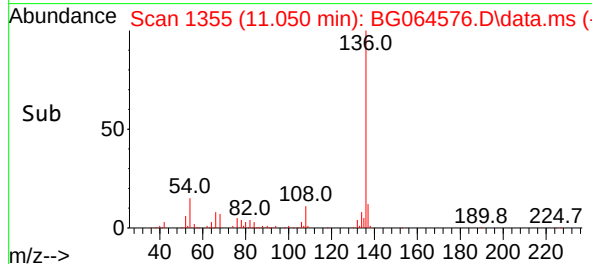
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:136 Resp: 182273
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

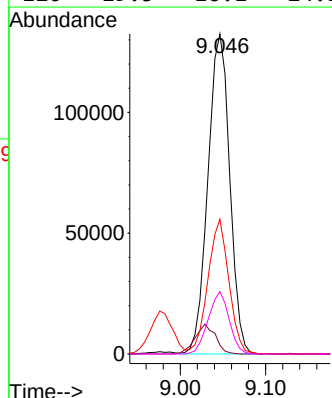
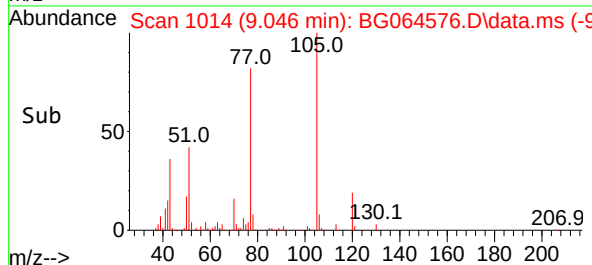
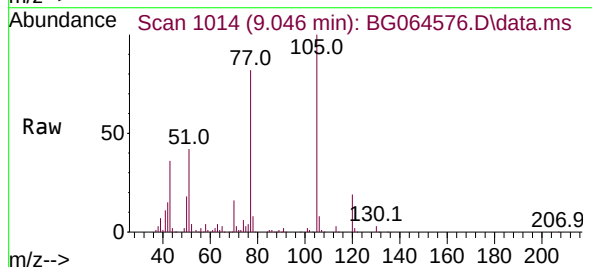
Manual Integrations
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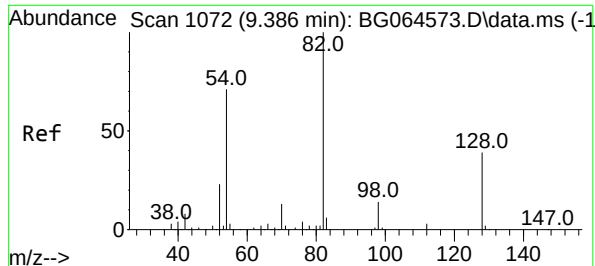
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#22
Acetophenone
Concen: 47.155 ng
RT: 9.046 min Scan# 1014
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:105 Resp: 234956
Ion Ratio Lower Upper
105 100
71 2.8 1.5 2.3#
51 42.1 33.7 50.5
120 19.5 16.1 24.1





#23

Nitrobenzene-d5

Concen: 106.847 ng

RT: 9.387 min Scan# 1072

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 324249

Ion Ratio Lower Upper

82 100

128 37.9 31.3 46.9

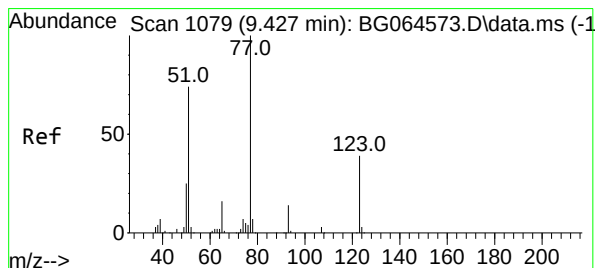
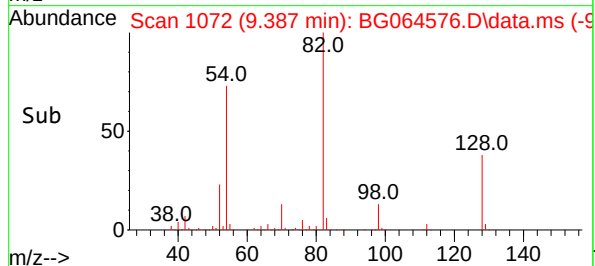
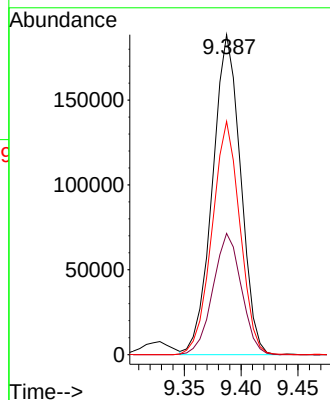
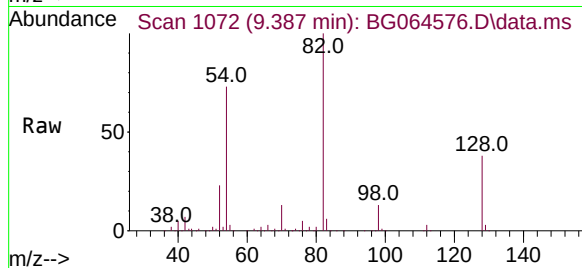
54 72.9 56.6 84.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#24

Nitrobenzene

Concen: 52.060 ng

RT: 9.428 min Scan# 1079

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

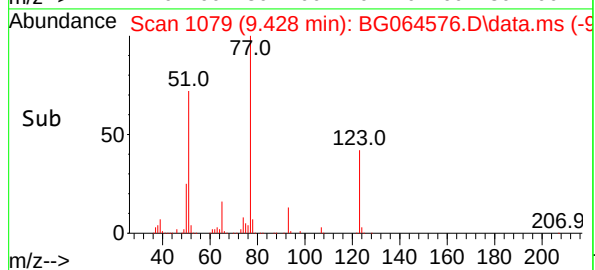
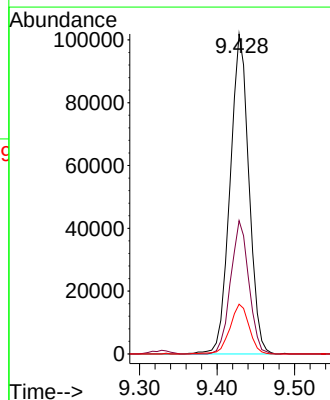
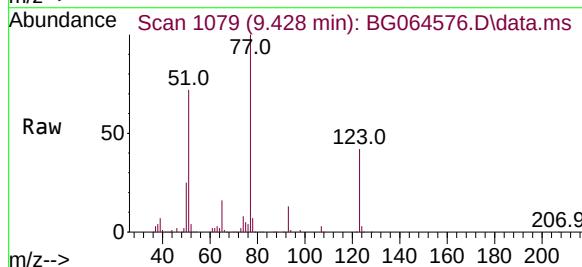
Tgt Ion: 77 Resp: 171837

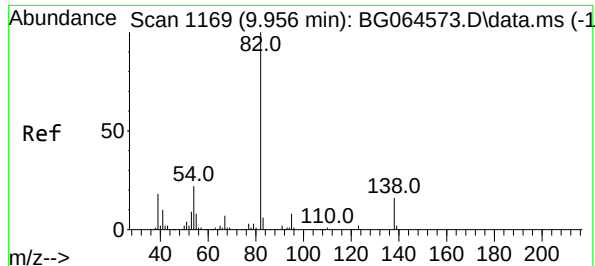
Ion Ratio Lower Upper

77 100

123 41.6 31.0 46.6

65 15.5 12.7 19.1





#25

Isophorone

Concen: 47.813 ng

RT: 9.957 min Scan# 1169

Delta R.T. -0.009 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion: 82 Resp: 348174

Ion Ratio Lower Upper

82 100

95 7.9 6.1 9.1

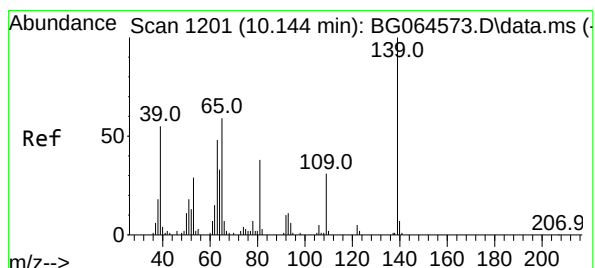
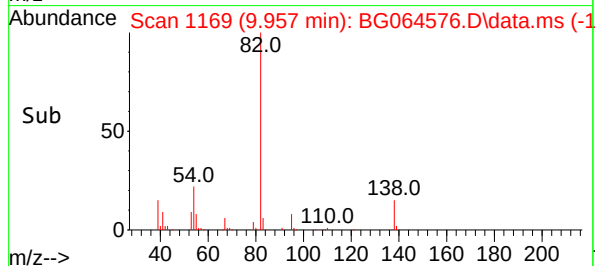
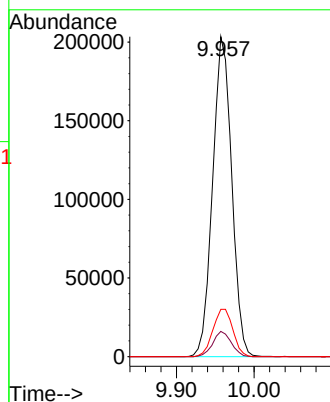
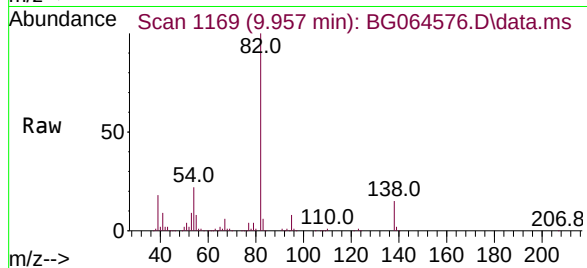
138 14.8 13.0 19.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#26

2-Nitrophenol

Concen: 48.353 ng

RT: 10.145 min Scan# 1201

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

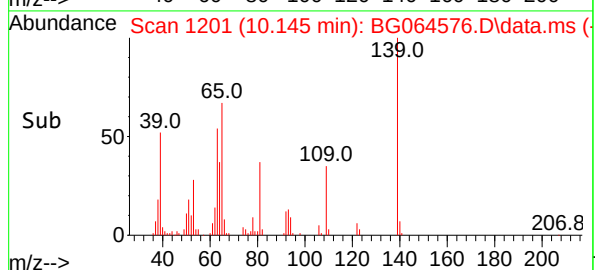
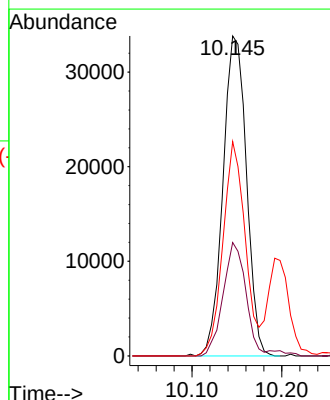
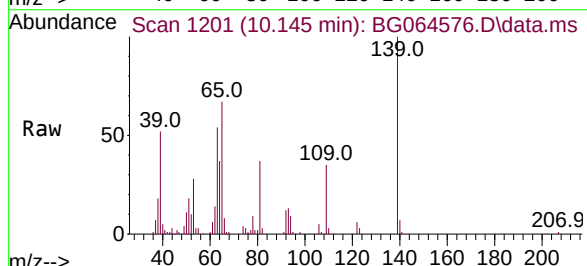
Tgt Ion:139 Resp: 61611

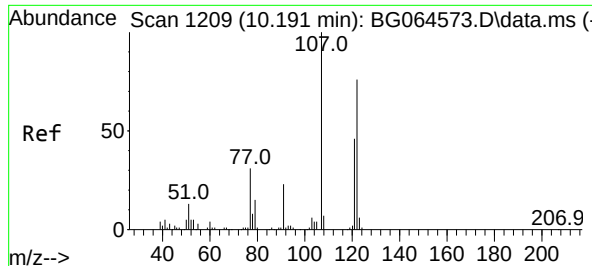
Ion Ratio Lower Upper

139 100

109 35.4 24.6 37.0

65 67.0 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 50.979 ng m

RT: 10.198 min Scan# 1209

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:122 Resp: 140852

Ion Ratio Lower Upper

122 100

107 121.2 103.0 154.4

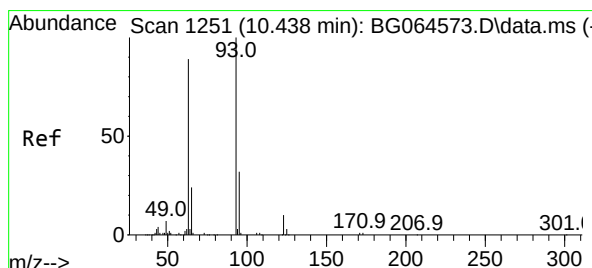
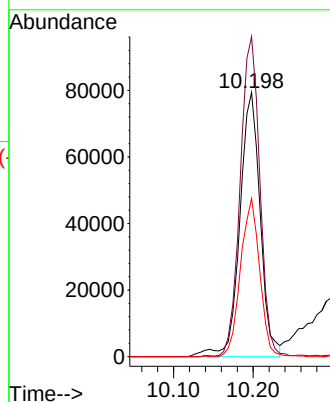
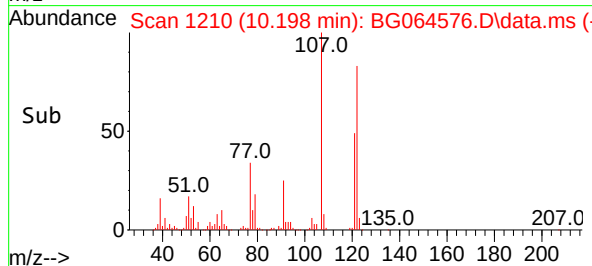
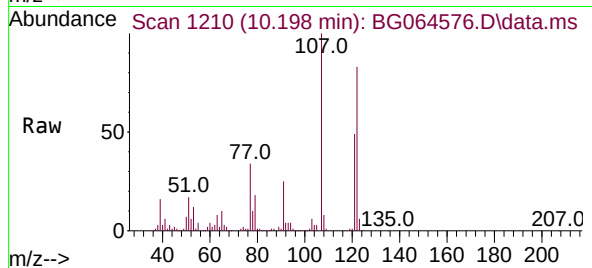
121 59.9 47.8 71.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#28

bis(2-Chloroethoxy)methane

Concen: 46.800 ng

RT: 10.439 min Scan# 1251

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

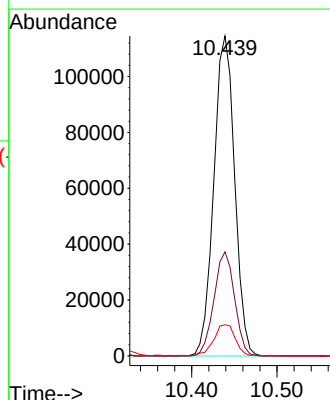
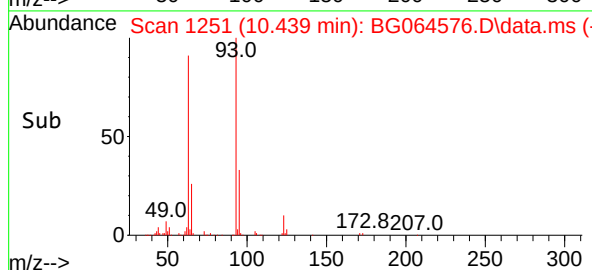
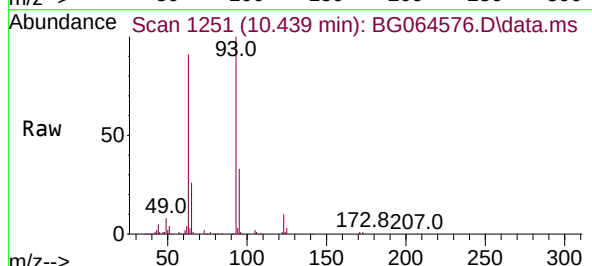
Tgt Ion: 93 Resp: 194038

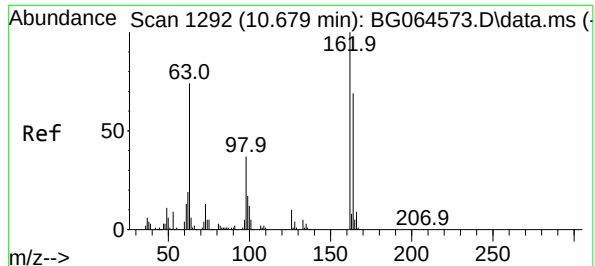
Ion Ratio Lower Upper

93 100

95 32.5 25.4 38.2

123 9.7 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 51.062 ng

RT: 10.680 min Scan# 1292

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:162 Resp: 148850

Ion Ratio Lower Upper

162 100

164 63.1 48.7 88.7

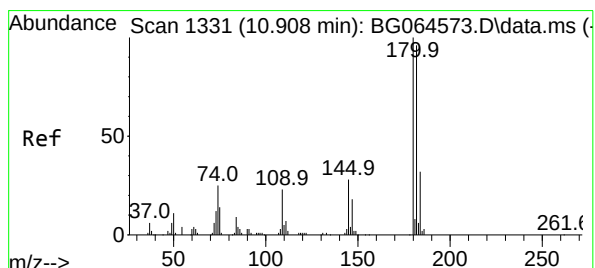
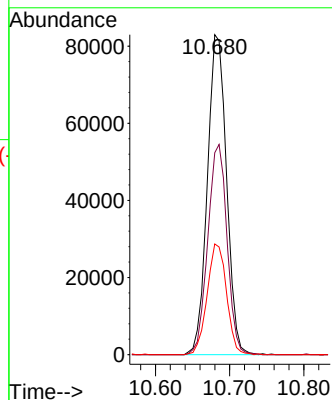
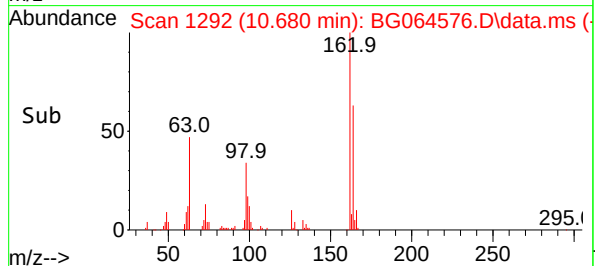
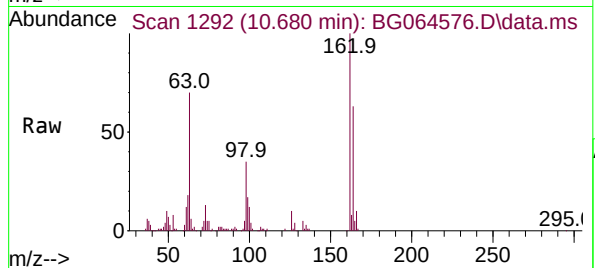
98 34.6 16.9 56.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#30

1,2,4-Trichlorobenzene

Concen: 48.068 ng

RT: 10.909 min Scan# 1331

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

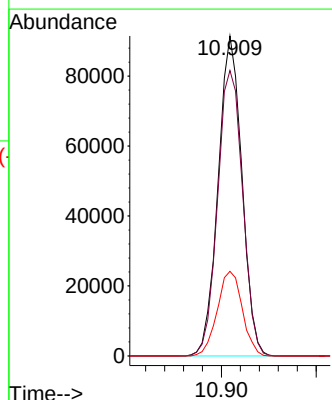
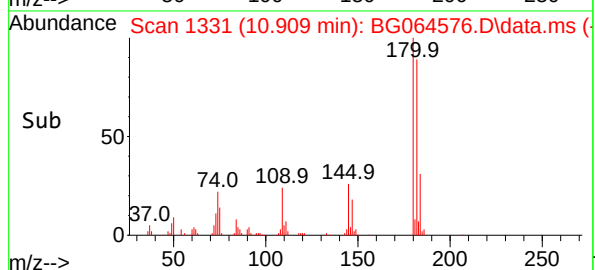
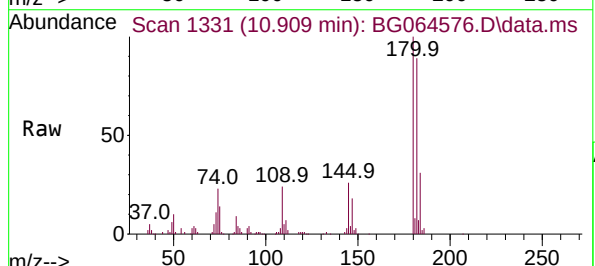
Tgt Ion:180 Resp: 159207

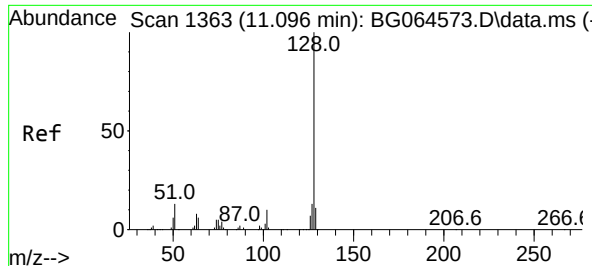
Ion Ratio Lower Upper

180 100

182 89.2 76.9 115.3

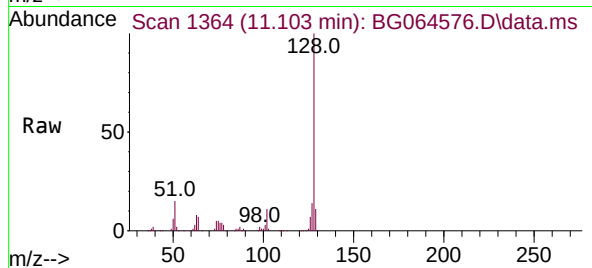
145 26.4 22.1 33.1





#31
Naphthalene
Concen: 46.695 ng
RT: 11.103 min Scan# 1364
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

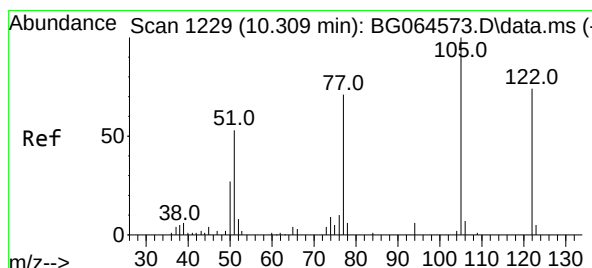
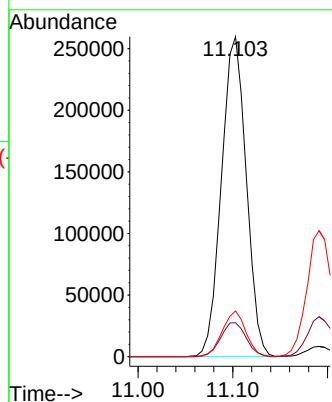
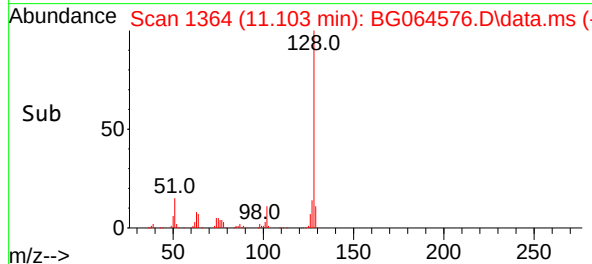
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:128 Resp: 47189
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 14.3 10.6 15.8

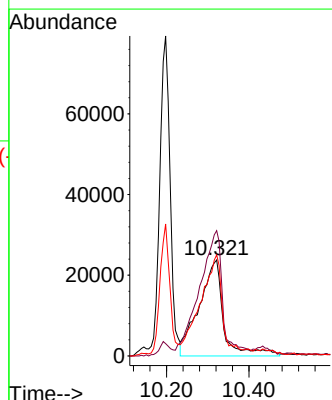
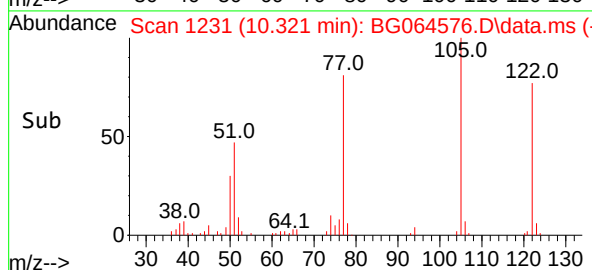
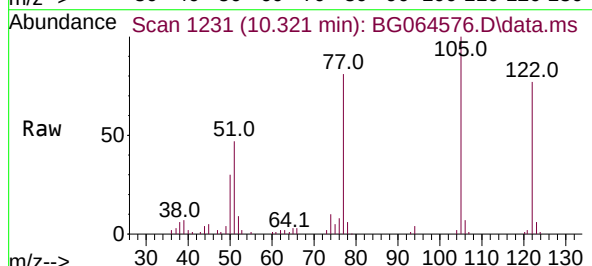
Manual Integrations
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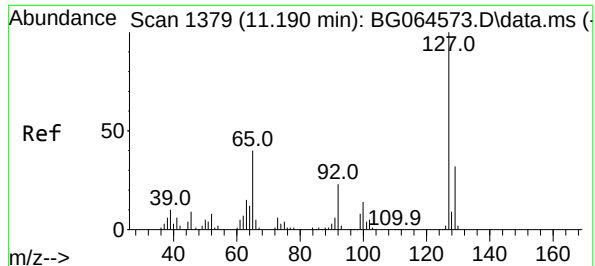
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#32
Benzoic acid
Concen: 48.883 ng m
RT: 10.321 min Scan# 1231
Delta R.T. -0.021 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:122 Resp: 97652
Ion Ratio Lower Upper
122 100
105 130.6 104.2 144.2
77 105.4 70.2 110.2





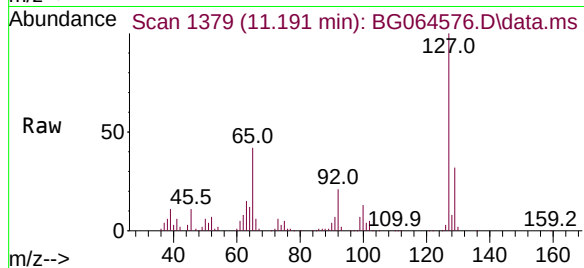
#33
4-Chloroaniline
Concen: 47.560 ng
RT: 11.191 min Scan# 1379
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

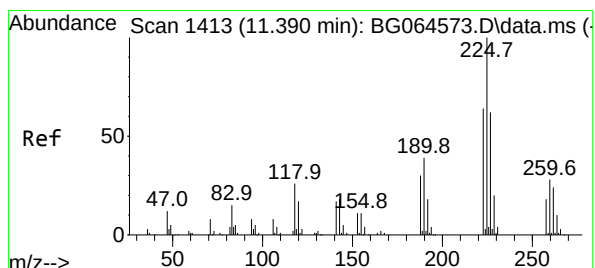
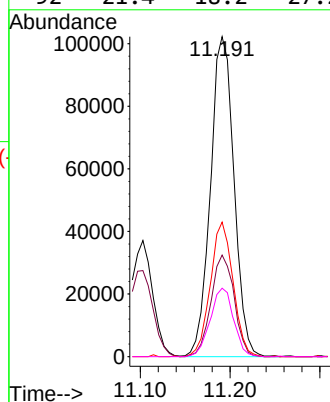
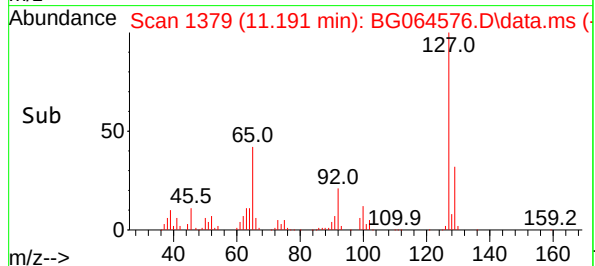


Tgt Ion:127 Resp: 186814
Ion Ratio Lower Upper
127 100
129 31.7 25.5 38.3
65 42.0 32.2 48.4
92 21.4 18.2 27.2

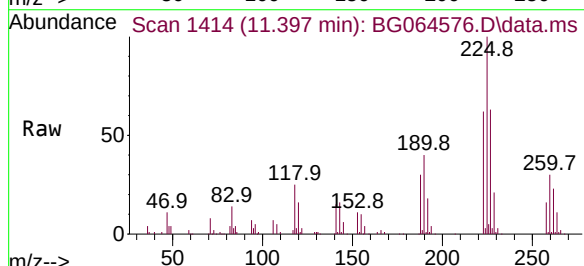
Manual Integrations

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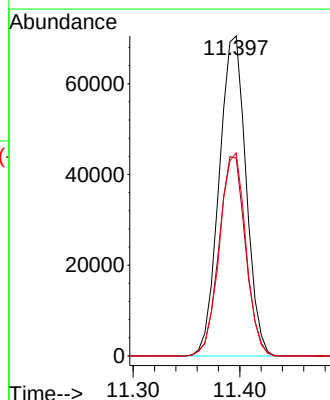
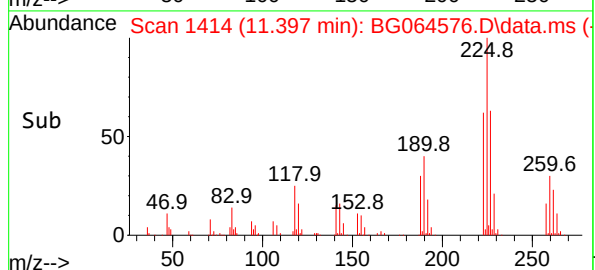
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

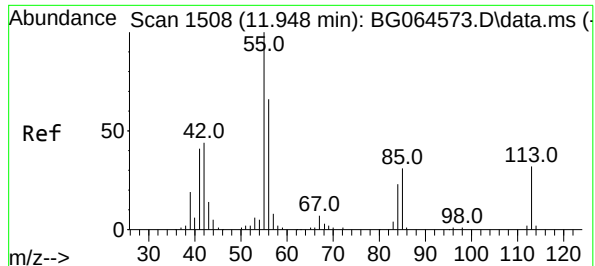


#34
Hexachlorobutadiene
Concen: 47.716 ng
RT: 11.397 min Scan# 1414
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



Tgt Ion:225 Resp: 123596
Ion Ratio Lower Upper
225 100
223 59.0 48.8 73.2
227 63.1 49.5 74.3





#35
Caprolactam
Concen: 48.020 ng
RT: 11.961 min Scan# 1510
Delta R.T. -0.014 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

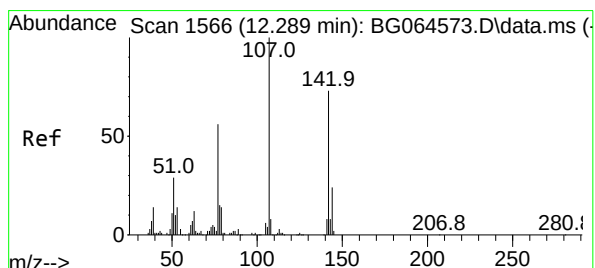
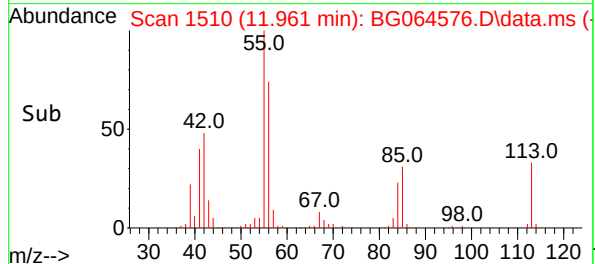
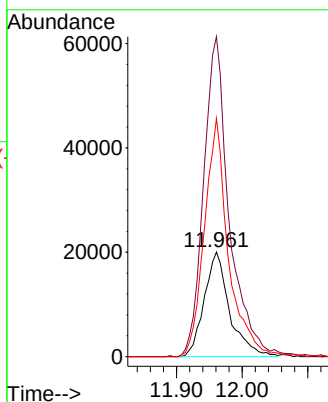
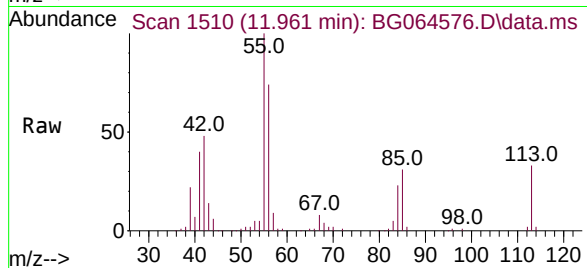
SSTDICC050

Tgt Ion	Ratio	Lower	Upper
113	100		
55	305.8	290.1	330.1
56	227.6	183.8	223.8

Manual Integrations

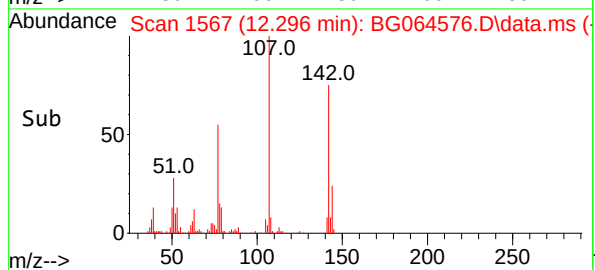
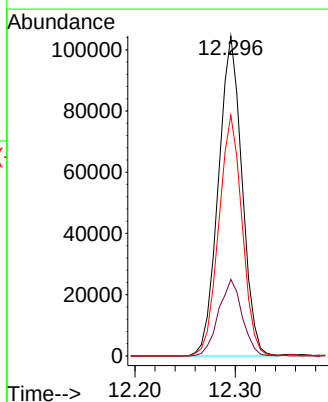
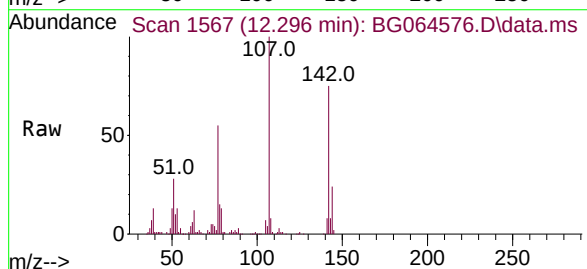
APPROVED

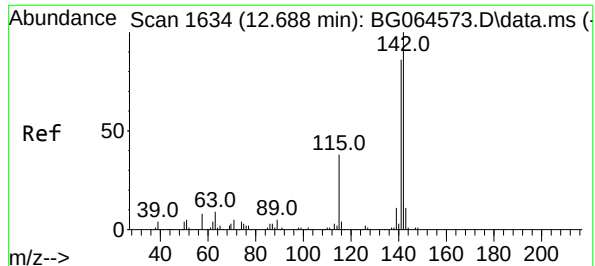
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#36
4-Chloro-3-methylphenol
Concen: 48.836 ng
RT: 12.296 min Scan# 1567
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

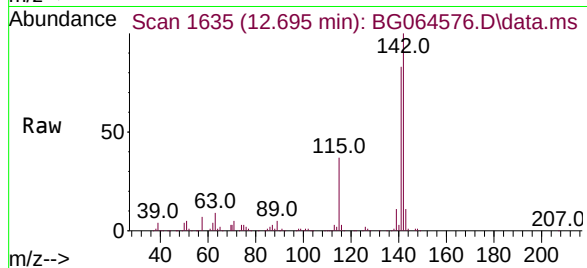
Tgt Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.1	28.7
142	75.2	58.6	87.8





#37
2-Methylnaphthalene
Concen: 47.435 ng
RT: 12.695 min Scan# 1635
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

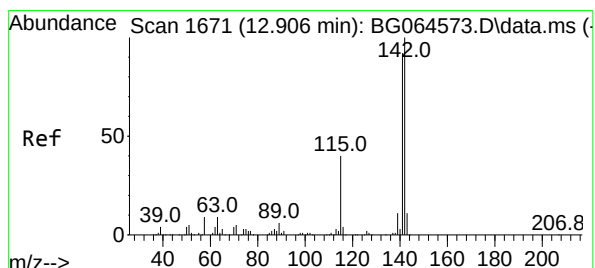
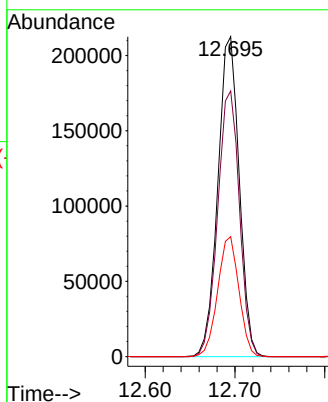
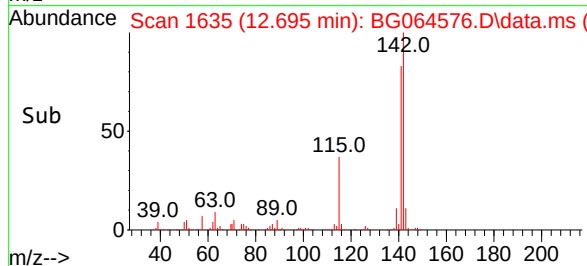
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



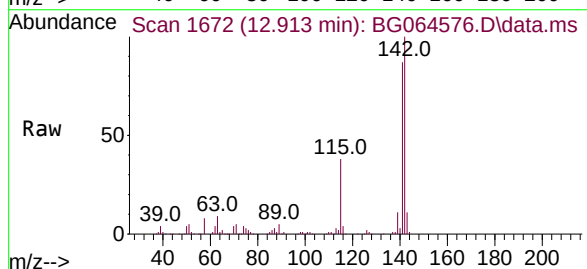
Tgt Ion:142 Resp: 351946
Ion Ratio Lower Upper
142 100
141 83.0 68.9 103.3
115 37.5 30.6 46.0

Manual Integrations
APPROVED

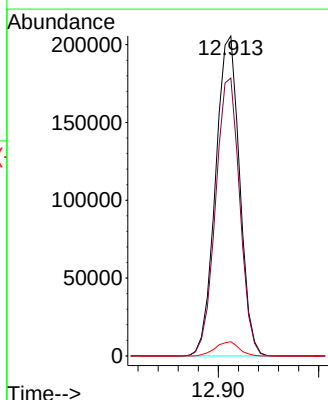
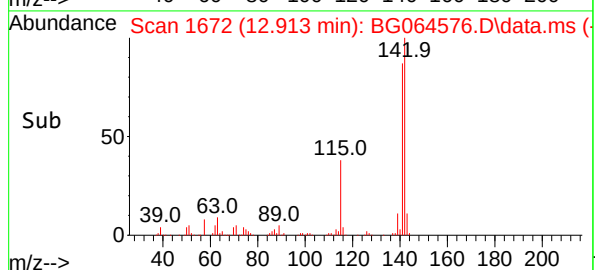
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

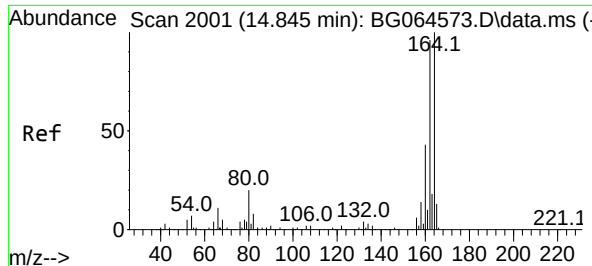


#38
1-Methylnaphthalene
Concen: 46.939 ng
RT: 12.913 min Scan# 1672
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



Tgt Ion:142 Resp: 342687
Ion Ratio Lower Upper
142 100
141 86.8 73.3 109.9
116 4.4 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.846 min Scan# 2001

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:164 Resp: 142032

Ion Ratio Lower Upper

164 100

162 101.1 77.0 115.6

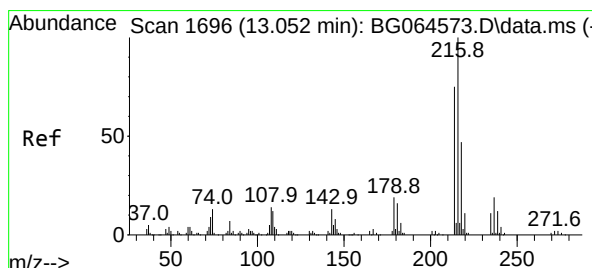
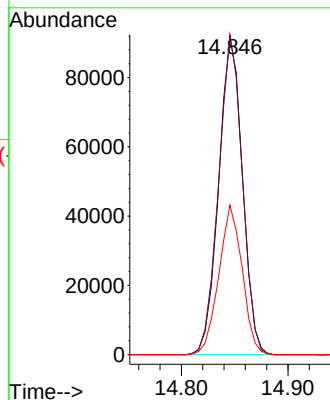
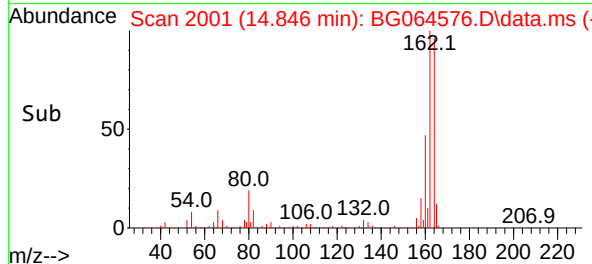
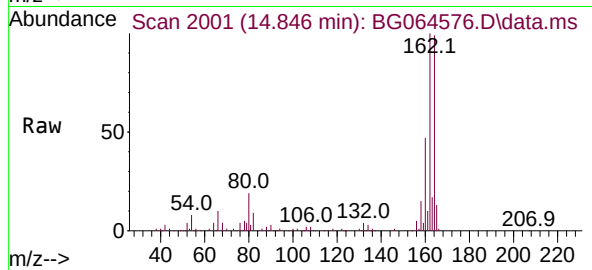
160 47.2 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.131 ng

RT: 13.054 min Scan# 1696

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Tgt Ion:216 Resp: 224658

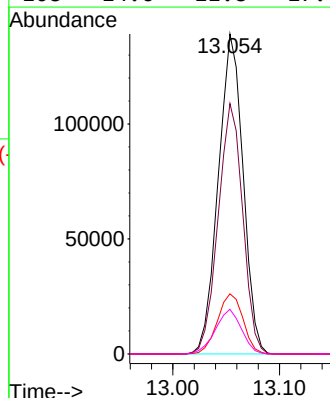
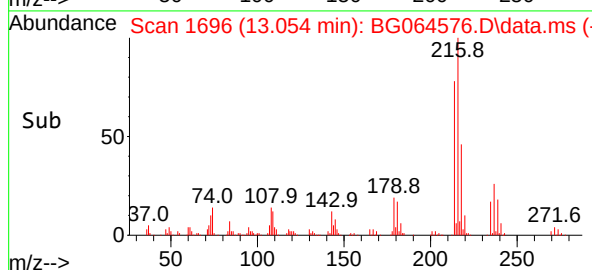
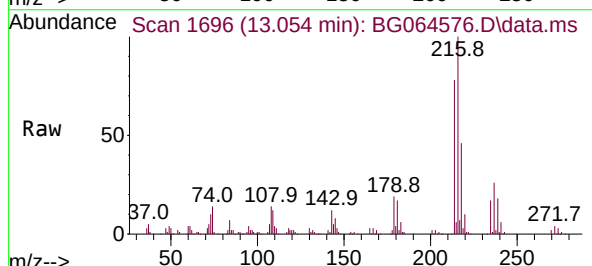
Ion Ratio Lower Upper

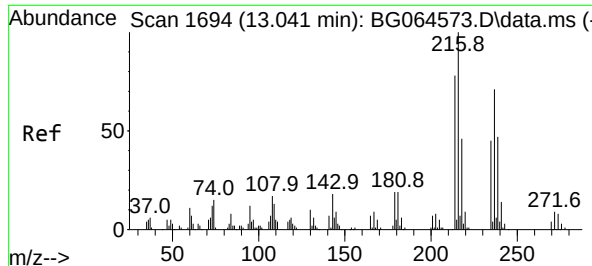
216 100

214 77.5 61.4 92.2

179 19.4 15.4 23.0

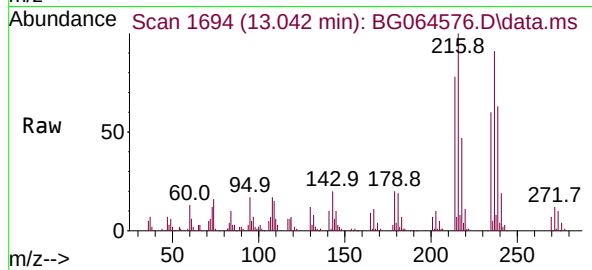
108 14.6 11.8 17.6





#41
Hexachlorocyclopentadiene
Concen: 49.131 ng
RT: 13.042 min Scan# 10
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

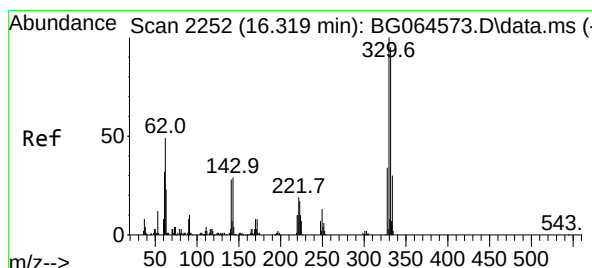
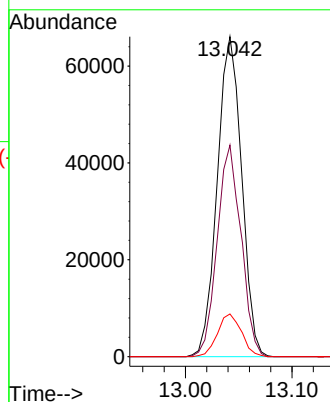
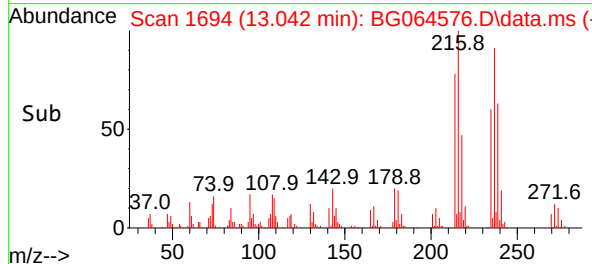
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



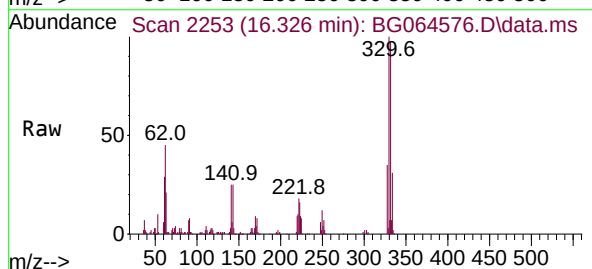
Tgt Ion:237 Resp: 10541
Ion Ratio Lower Upper
237 100
235 66.1 44.1 84.1
272 13.3 0.0 32.4

Manual Integrations
APPROVED

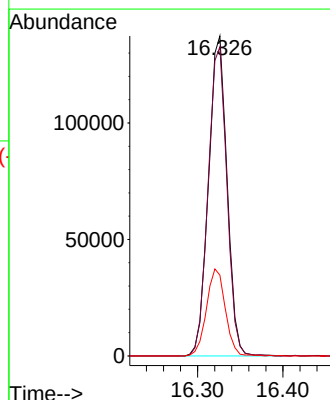
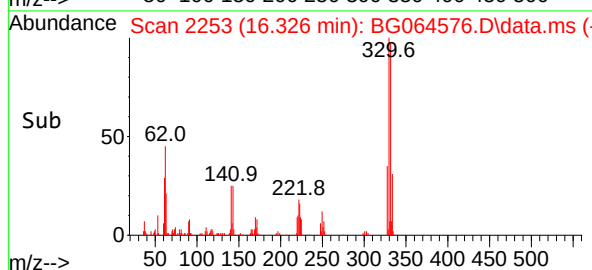
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

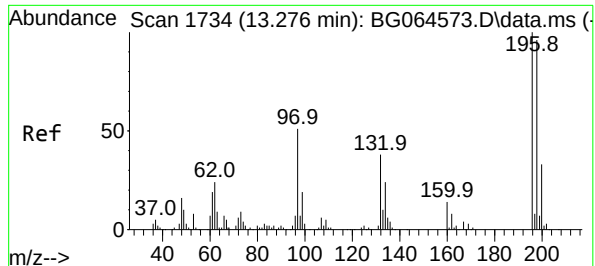


#42
2,4,6-Tribromophenol
Concen: 101.122 ng
RT: 16.326 min Scan# 2253
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



Tgt Ion:330 Resp: 207294
Ion Ratio Lower Upper
330 100
332 97.5 78.0 117.0
141 27.6 21.8 32.6





#43

2,4,6-Trichlorophenol

Concen: 51.898 ng

RT: 13.283 min Scan# 1735

Delta R.T. 0.003 min

Lab File: BG064576.D

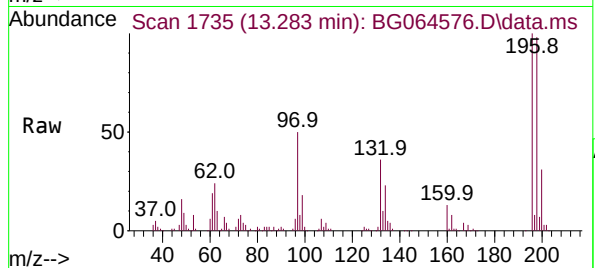
Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050



Tgt Ion:196 Resp: 141505

Ion Ratio Lower Upper

196 100

198 98.3 76.6 115.0

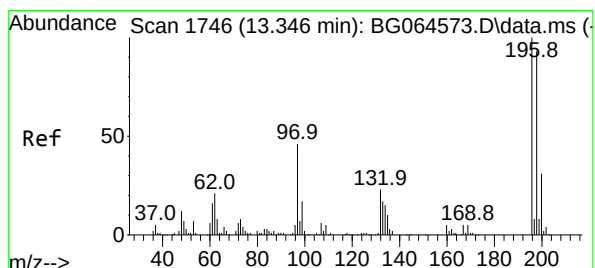
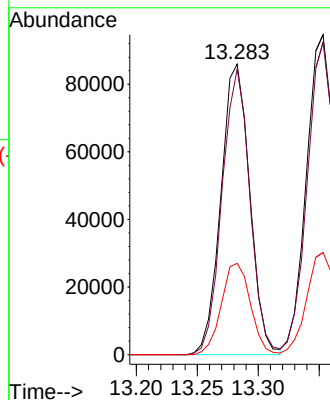
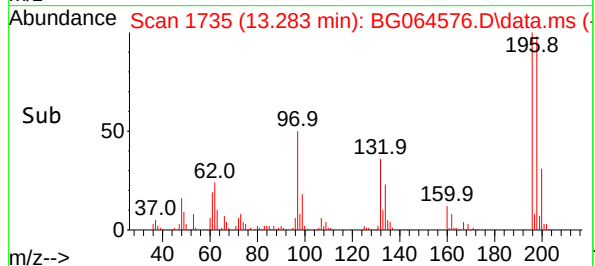
200 31.4 26.0 39.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#44

2,4,5-Trichlorophenol

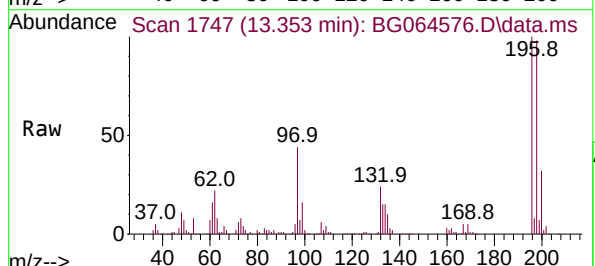
Concen: 49.997 ng

RT: 13.353 min Scan# 1747

Delta R.T. 0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32



Tgt Ion:196 Resp: 157315

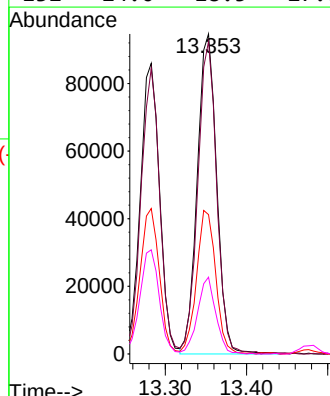
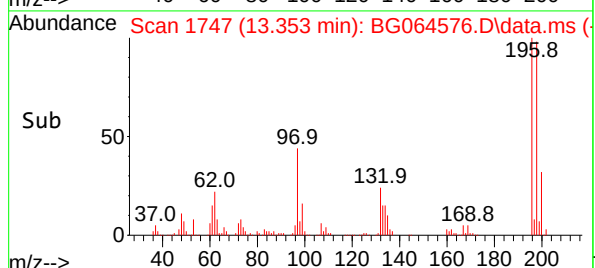
Ion Ratio Lower Upper

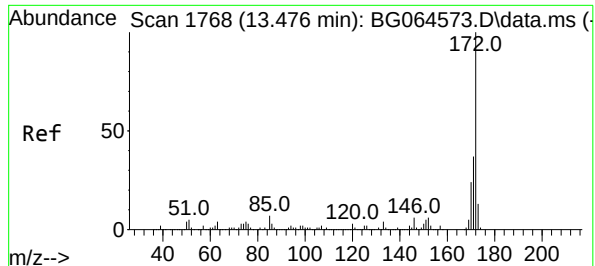
196 100

198 97.6 74.2 111.4

97 43.5 37.0 55.6

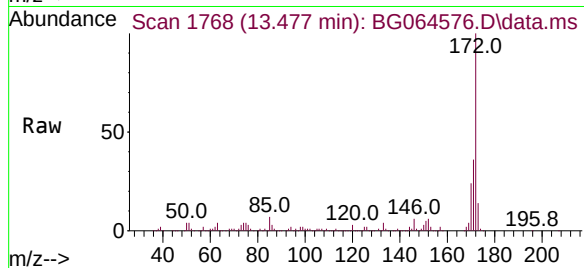
132 24.0 18.5 27.7





#45
2-Fluorobiphenyl
Concen: 93.626 ng
RT: 13.477 min Scan# 1768
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

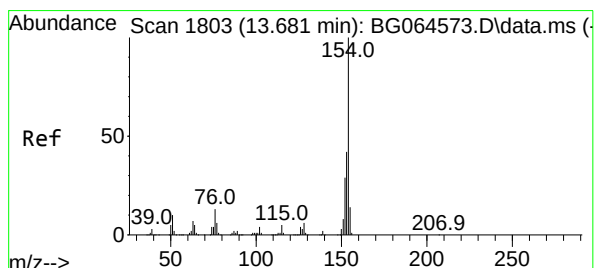
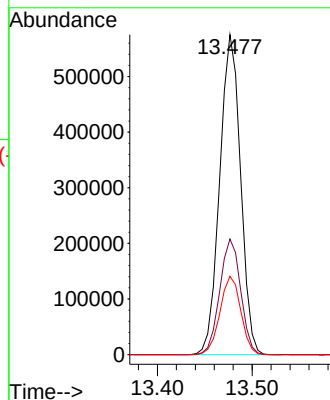
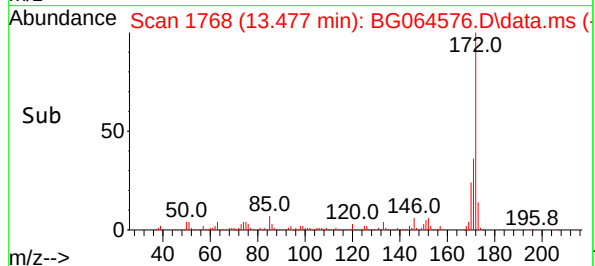
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:172 Resp: 877315
Ion Ratio Lower Upper
172 100
171 36.1 29.4 44.0
170 24.5 19.1 28.7

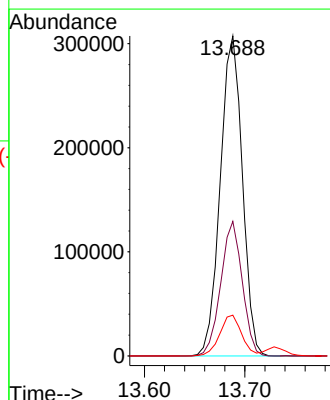
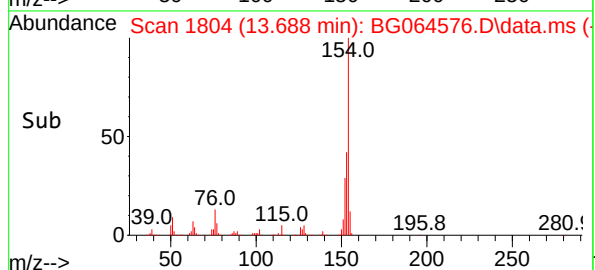
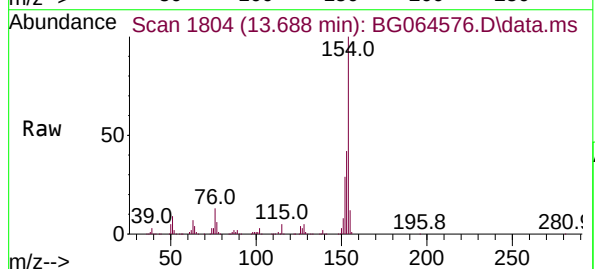
Manual Integrations
APPROVED

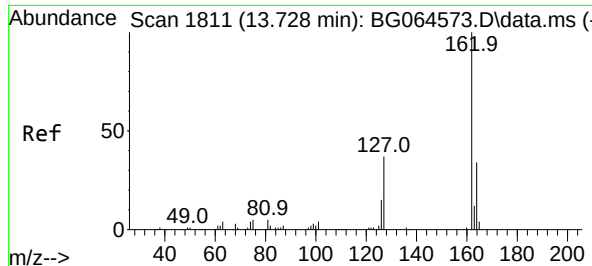
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#46
1,1'-Biphenyl
Concen: 46.613 ng
RT: 13.688 min Scan# 1804
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

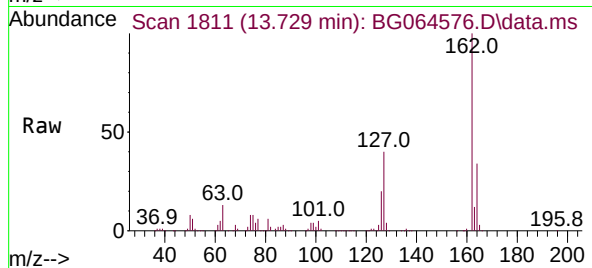
Tgt Ion:154 Resp: 470676
Ion Ratio Lower Upper
154 100
153 42.0 22.4 62.4
76 12.8 0.0 33.5





#47
2-Chloronaphthalene
Concen: 47.208 ng
RT: 13.729 min Scan# 1811
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

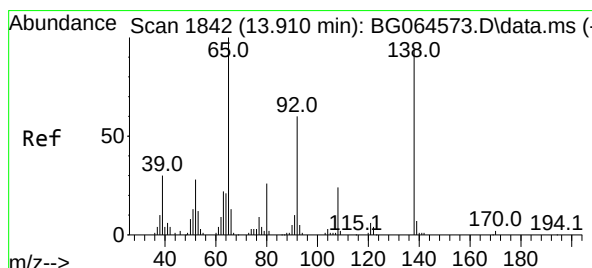
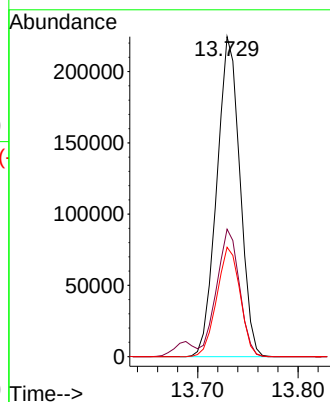
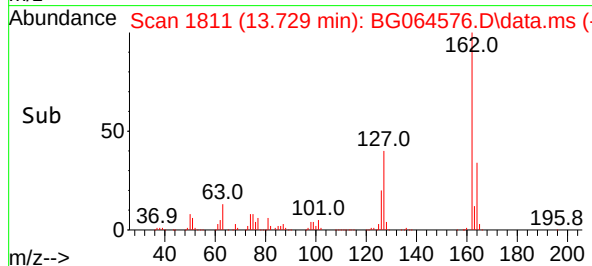
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



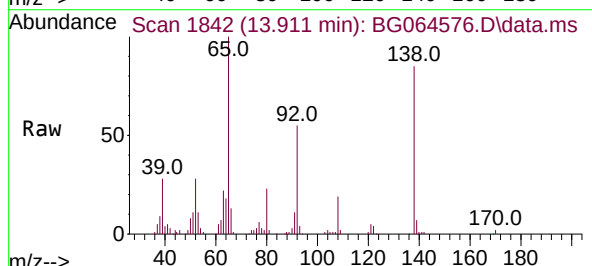
Tgt Ion:162 Resp: 359811
Ion Ratio Lower Upper
162 100
127 39.8 32.2 48.2
164 34.2 27.5 41.3

Manual Integrations
APPROVED

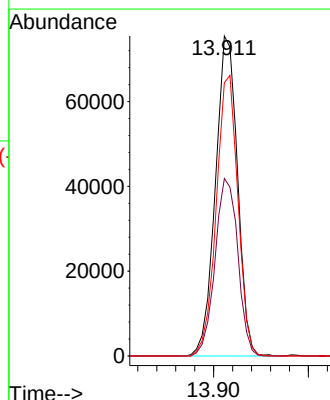
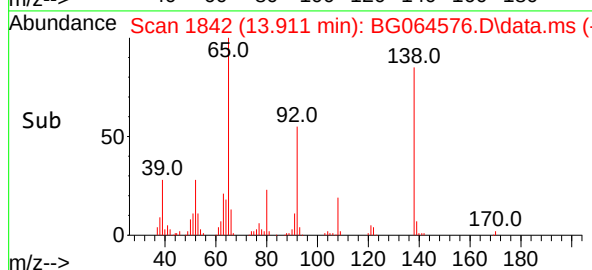
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

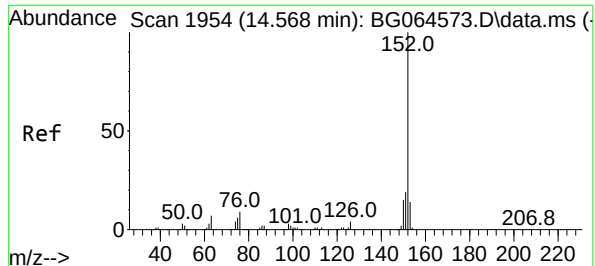


#48
2-Nitroaniline
Concen: 47.668 ng
RT: 13.911 min Scan# 1842
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



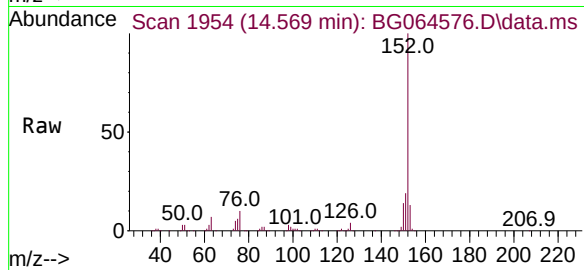
Tgt Ion: 65 Resp: 121908
Ion Ratio Lower Upper
65 100
92 55.4 48.3 72.5
138 85.4 74.9 112.3





#49
Acenaphthylene
Concen: 47.060 ng
RT: 14.569 min Scan# 1954
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

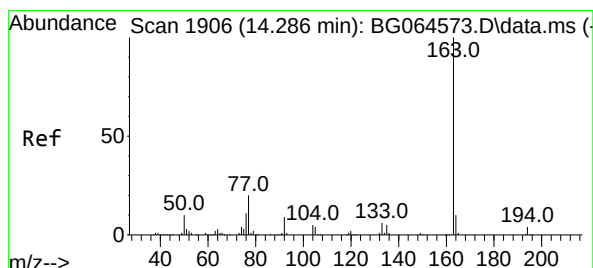
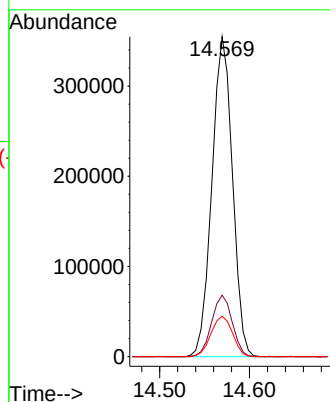
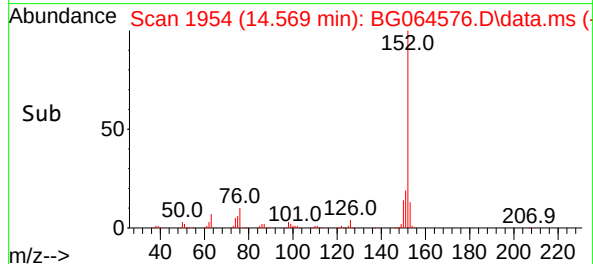
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



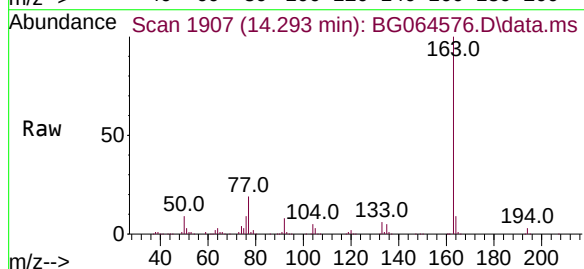
Tgt Ion:152 Resp: 56577
Ion Ratio Lower Upper
152 100
151 19.2 15.4 23.2
153 12.6 11.0 16.4

Manual Integrations
APPROVED

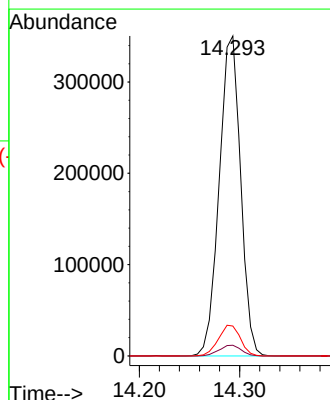
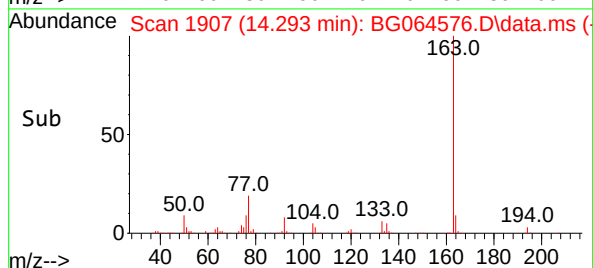
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

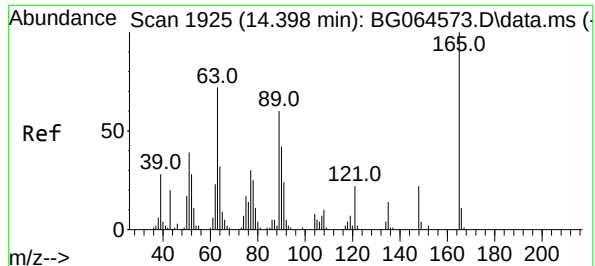


#50
Dimethylphthalate
Concen: 47.781 ng
RT: 14.293 min Scan# 1907
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



Tgt Ion:163 Resp: 519303
Ion Ratio Lower Upper
163 100
194 3.4 2.8 4.2
164 9.3 7.7 11.5





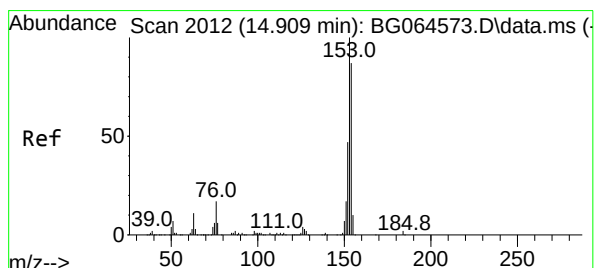
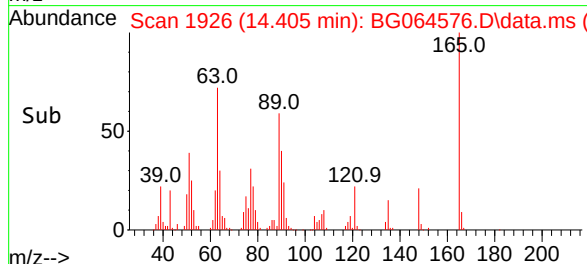
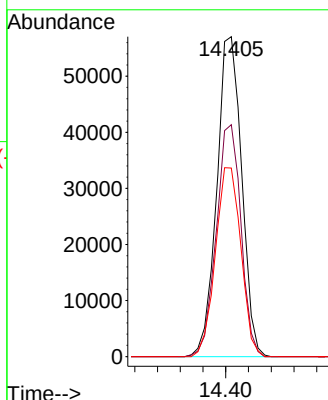
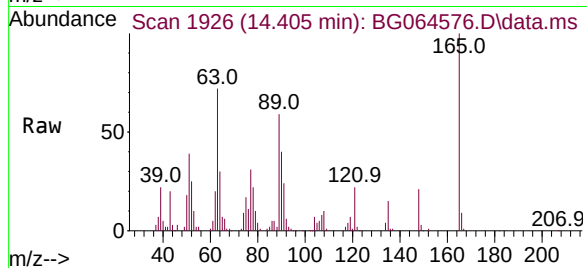
#51
2,6-Dinitrotoluene
Concen: 48.306 ng
RT: 14.405 min Scan# 1925
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 86665
Ion Ratio Lower Upper
165 100
63 72.5 57.4 86.0
89 58.9 47.8 71.8

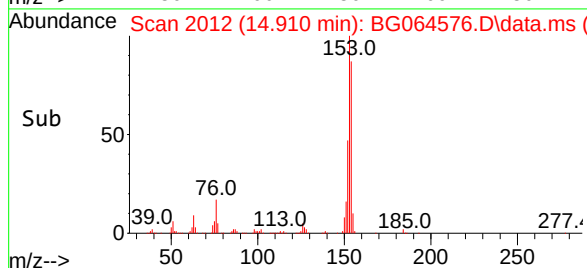
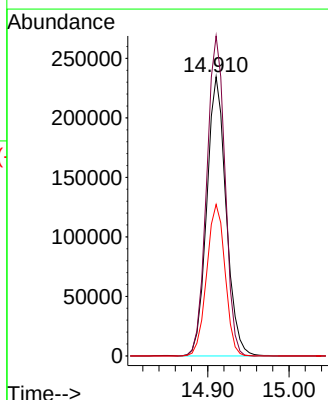
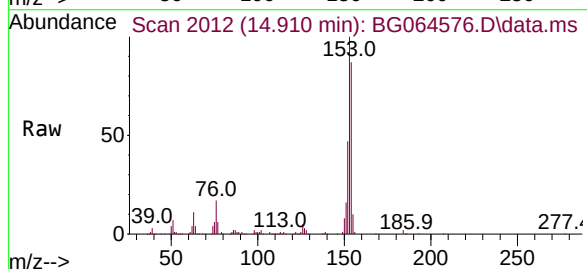
Manual Integrations
APPROVED

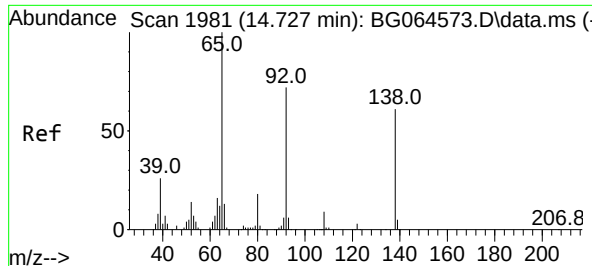
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#52
Acenaphthene
Concen: 47.239 ng
RT: 14.910 min Scan# 2012
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:154 Resp: 388012
Ion Ratio Lower Upper
154 100
153 114.6 92.2 138.4
152 54.3 43.2 64.8





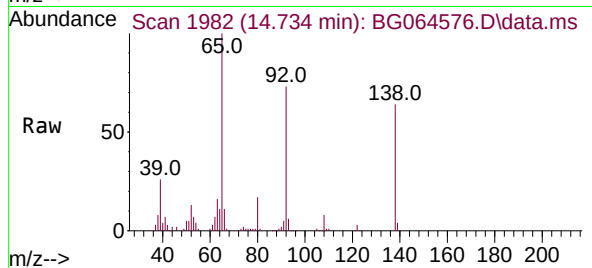
#53
3-Nitroaniline
Concen: 53.405 ng
RT: 14.734 min Scan# 1981
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

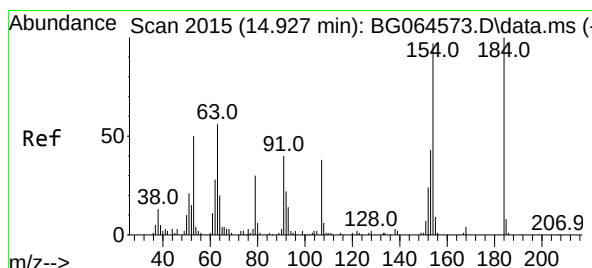
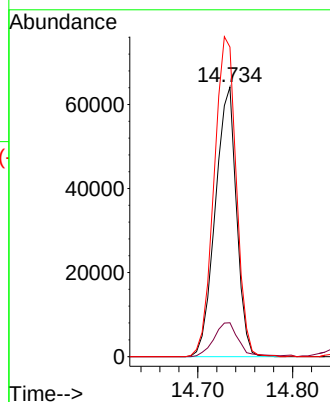
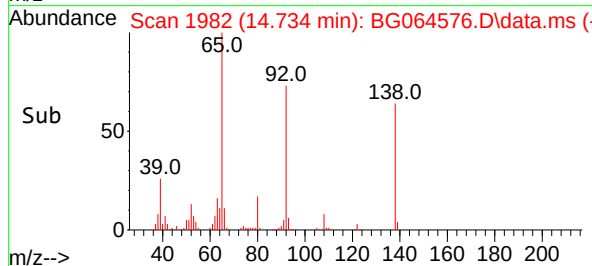


Tgt Ion:138 Resp: 99748
Ion Ratio Lower Upper
138 100
108 12.6 11.4 17.0
92 114.8 95.3 142.9

Manual Integrations

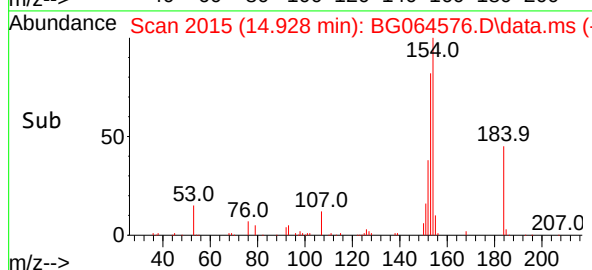
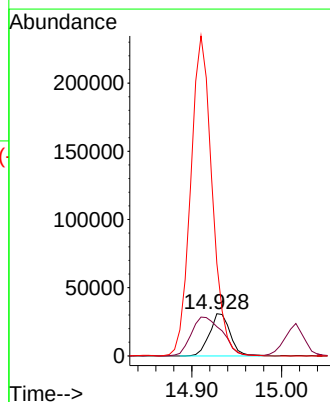
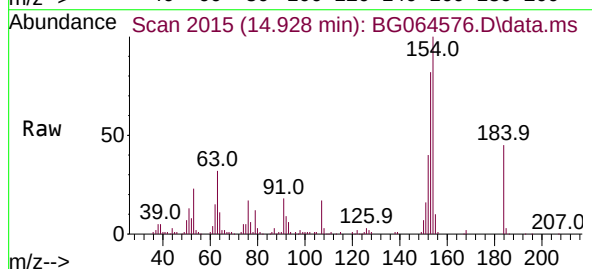
APPROVED

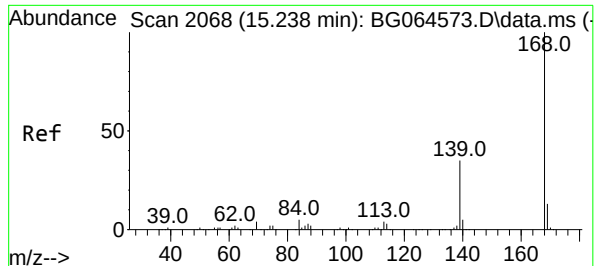
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#54
2,4-Dinitrophenol
Concen: 47.268 ng
RT: 14.928 min Scan# 2015
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

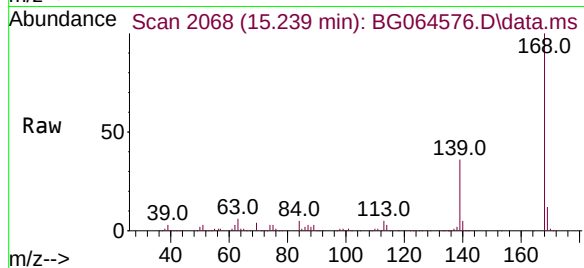
Tgt Ion:184 Resp: 49318
Ion Ratio Lower Upper
184 100
63 69.5 56.6 85.0
154 219.8 158.6 238.0





#55
Dibenzenofuran
Concen: 46.355 ng
RT: 15.239 min Scan# 2068
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

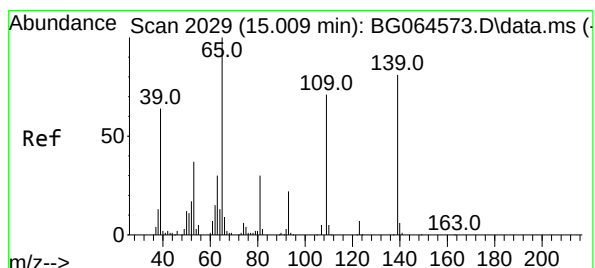
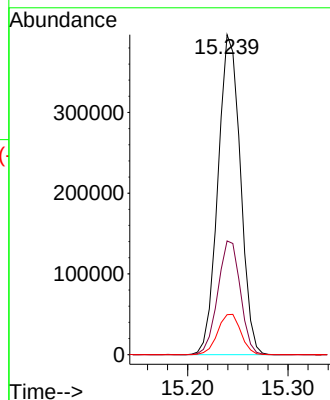
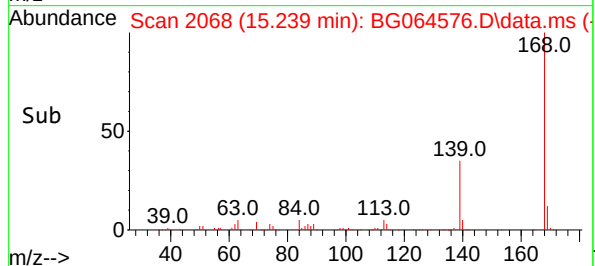
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



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

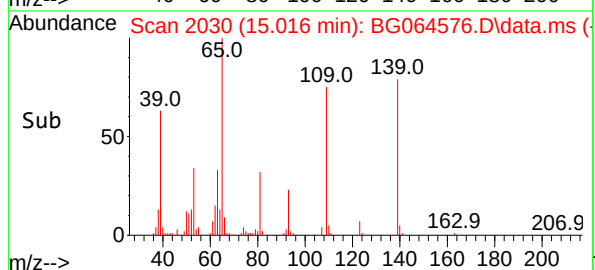
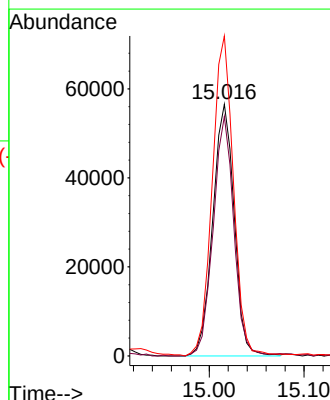
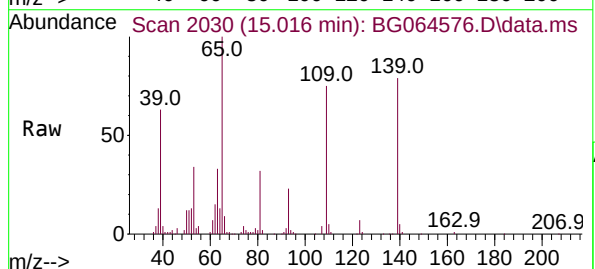
Manual Integrations
APPROVED

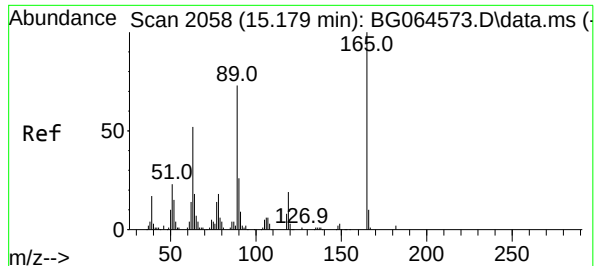
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#56
4-Nitrophenol
Concen: 51.169 ng
RT: 15.016 min Scan# 2030
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

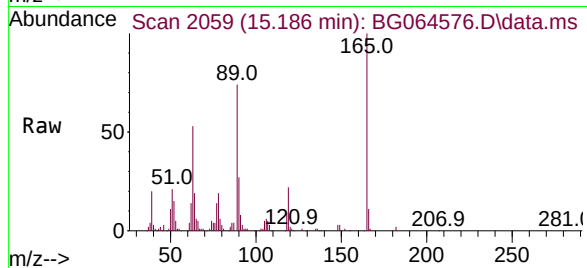
Tgt Ion:139 Resp: 88609
Ion Ratio Lower Upper
139 100
109 95.2 67.8 107.8
65 127.2 103.7 143.7





#57
2,4-Dinitrotoluene
Concen: 47.759 ng
RT: 15.186 min Scan# 2059
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

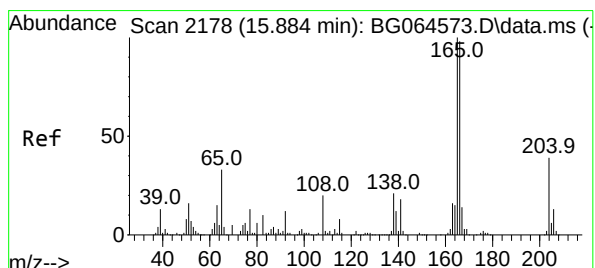
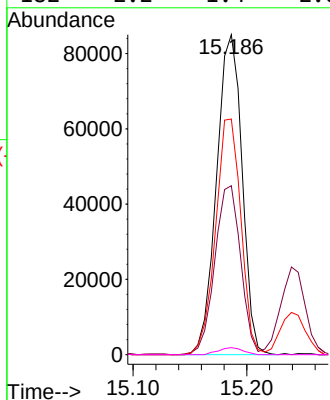
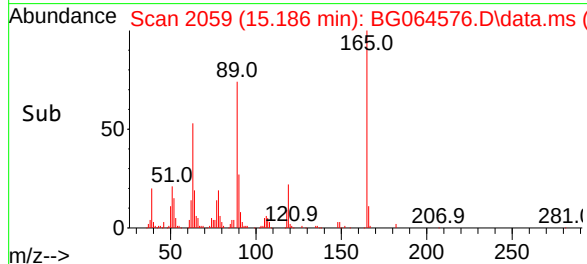
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:165 Resp: 132374
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#

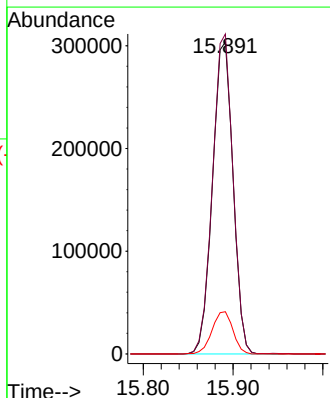
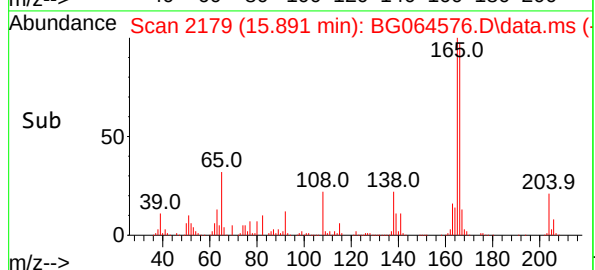
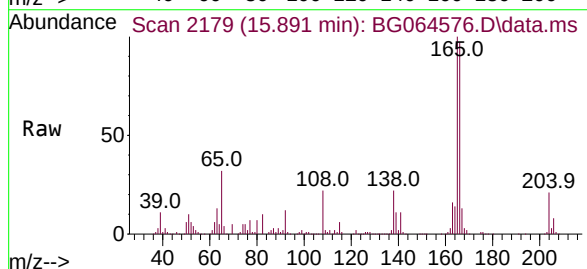
Manual Integrations
APPROVED

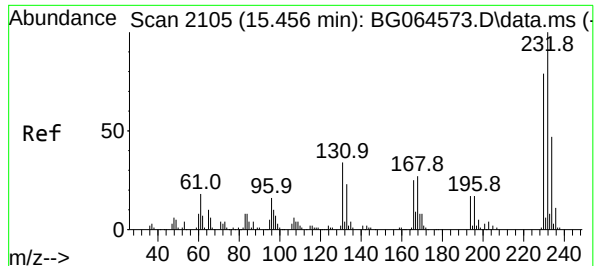
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#58
Fluorene
Concen: 46.441 ng
RT: 15.891 min Scan# 2179
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

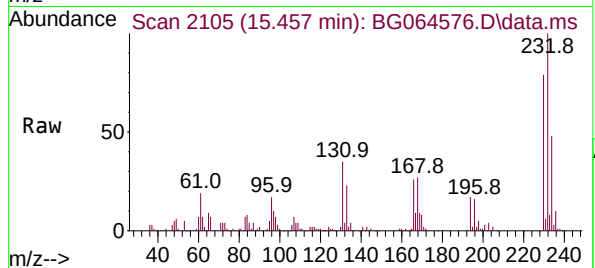
Tgt Ion:166 Resp: 481625
Ion Ratio Lower Upper
166 100
165 102.6 81.5 122.3
167 13.5 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.440 ng
RT: 15.457 min Scan# 2105
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

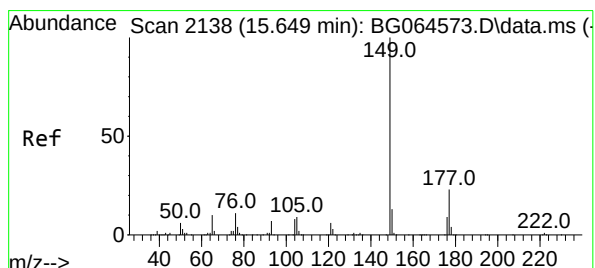
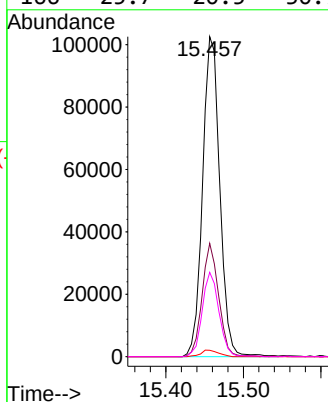
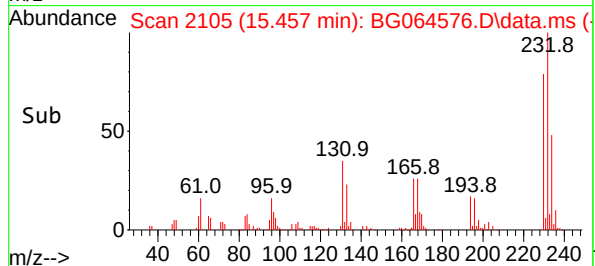
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:232 Resp: 157783
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

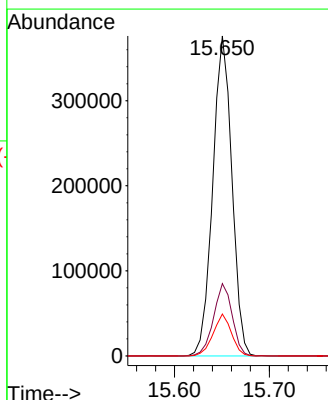
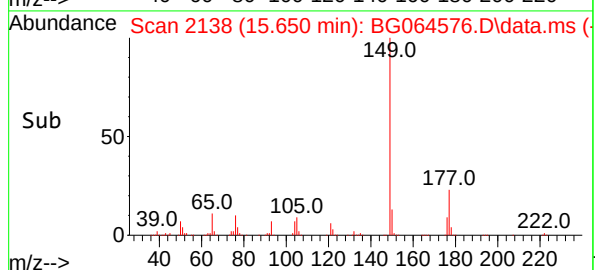
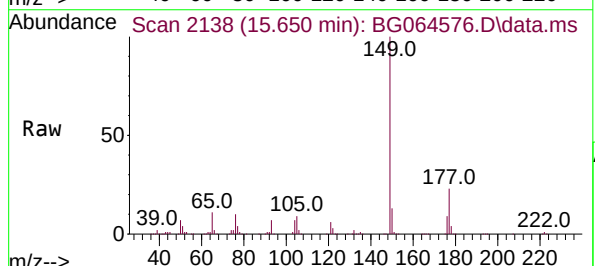
Manual Integrations
APPROVED

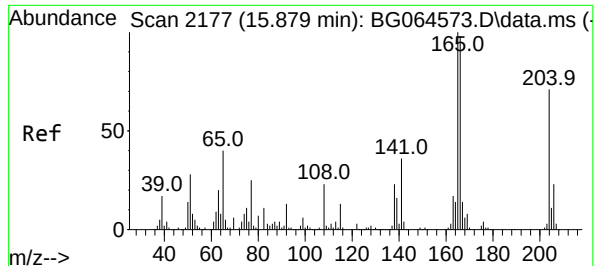
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#60
Diethylphthalate
Concen: 47.543 ng
RT: 15.650 min Scan# 2138
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

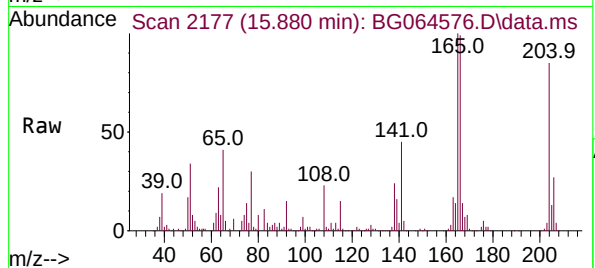
Tgt Ion:149 Resp: 527594
Ion Ratio Lower Upper
149 100
177 22.6 18.0 27.0
150 13.1 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 46.576 ng
RT: 15.880 min Scan# 2177
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

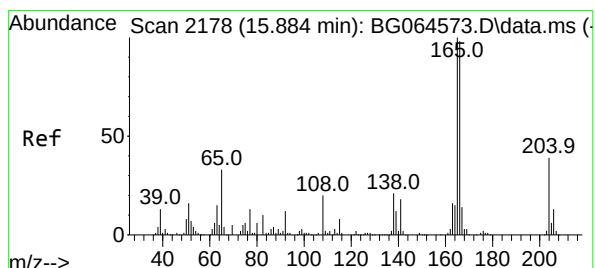
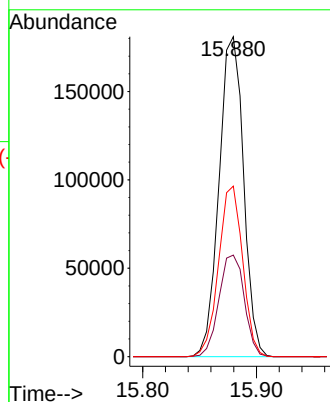
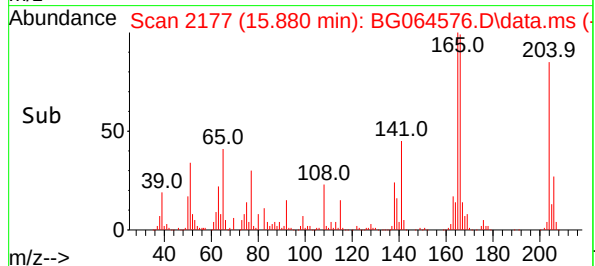
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



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

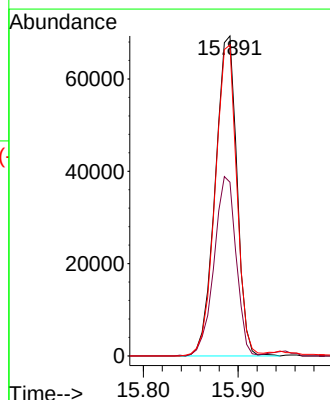
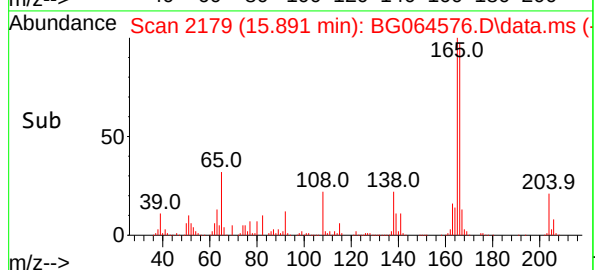
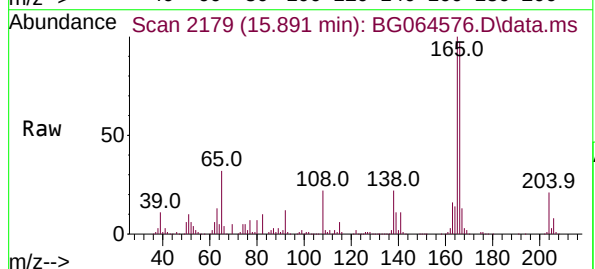
Manual Integrations
APPROVED

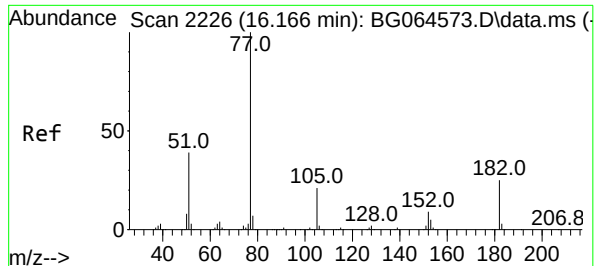
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#62
4-Nitroaniline
Concen: 52.970 ng
RT: 15.891 min Scan# 2179
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:138 Resp: 110067
Ion Ratio Lower Upper
138 100
92 54.3 36.1 76.1
108 97.2 75.6 115.6





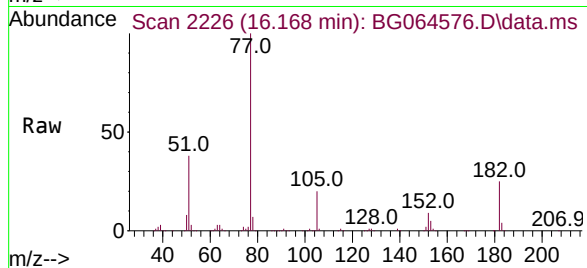
#63
Azobenzene
Concen: 46.671 ng
RT: 16.168 min Scan# 2226
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

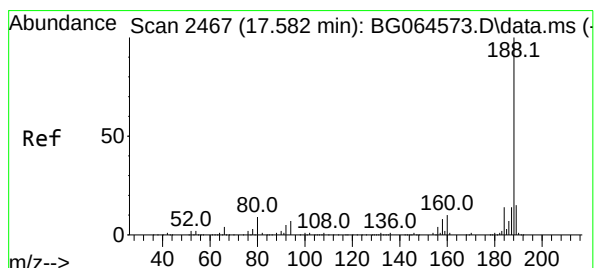
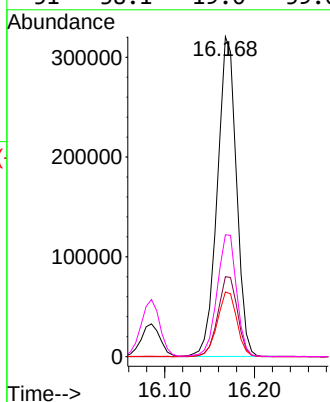
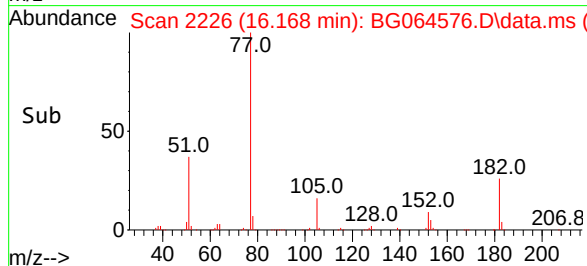


Tgt Ion: 77 Resp: 475203
Ion Ratio Lower Upper
77 100
182 25.0 4.9 44.9
105 20.2 1.3 41.3
51 38.1 19.0 59.0

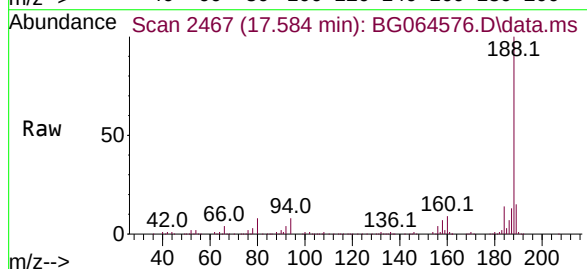
Manual Integrations

APPROVED

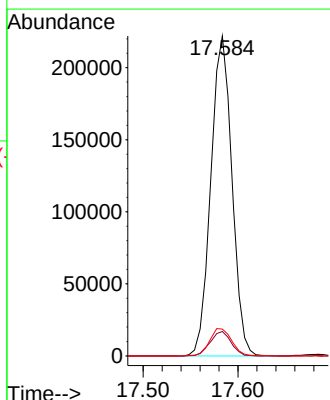
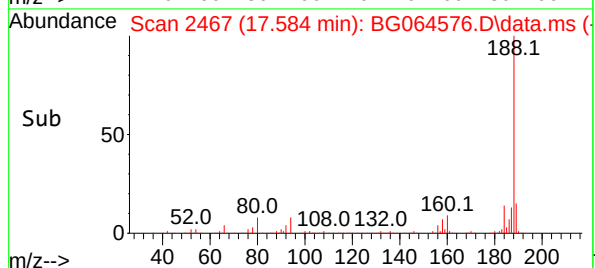
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

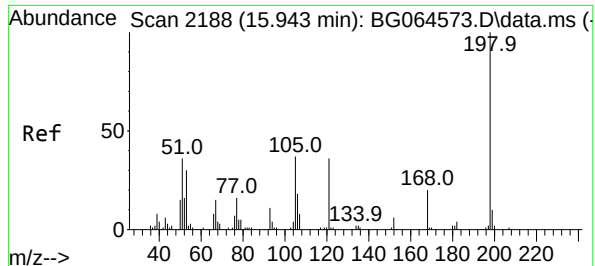


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.584 min Scan# 2467
Delta R.T. 0.004 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32



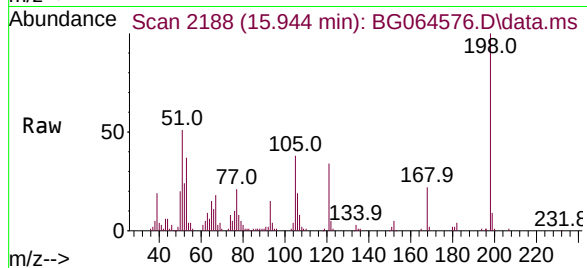
Tgt Ion:188 Resp: 343365
Ion Ratio Lower Upper
188 100
94 7.6 5.7 8.5
80 8.4 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 47.500 ng
RT: 15.944 min Scan# 2188
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

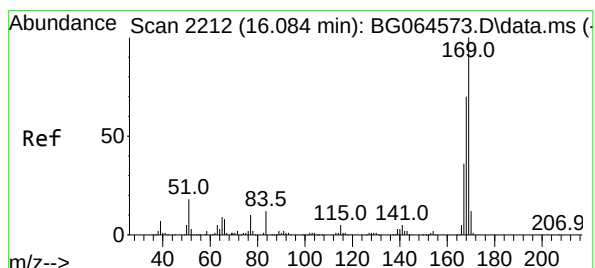
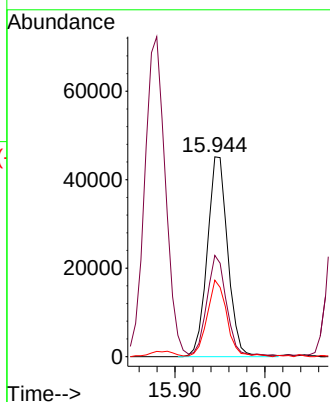
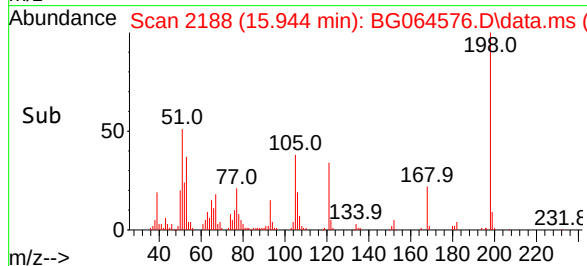
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:198 Resp: 71672
Ion Ratio Lower Upper
198 100
51 50.7 24.7 64.7
105 38.3 18.0 58.0

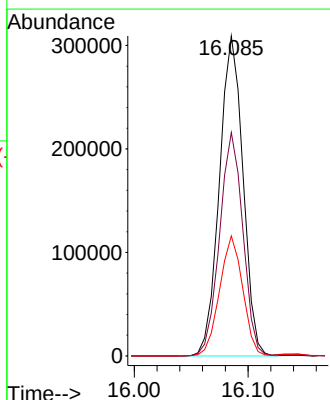
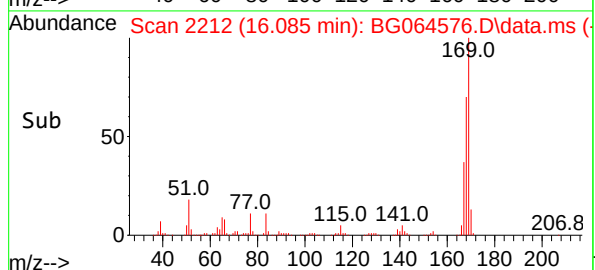
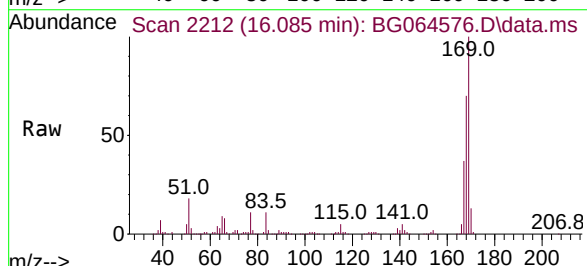
Manual Integrations
APPROVED

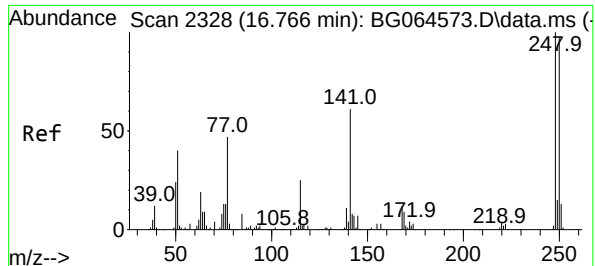
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#66
n-Nitrosodiphenylamine
Concen: 47.959 ng
RT: 16.085 min Scan# 2212
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:169 Resp: 444824
Ion Ratio Lower Upper
169 100
168 69.8 56.3 84.5
167 37.5 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 48.225 ng
RT: 16.773 min Scan# 2328
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

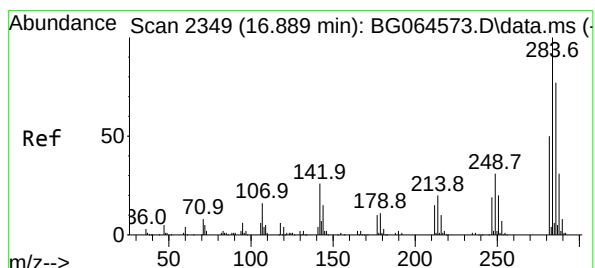
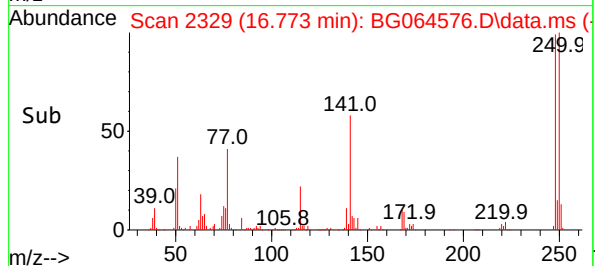
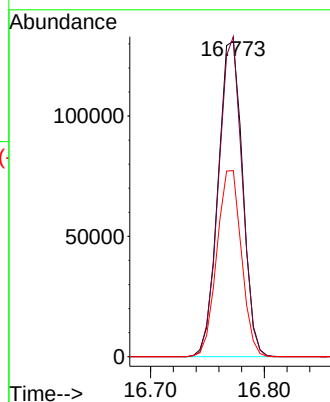
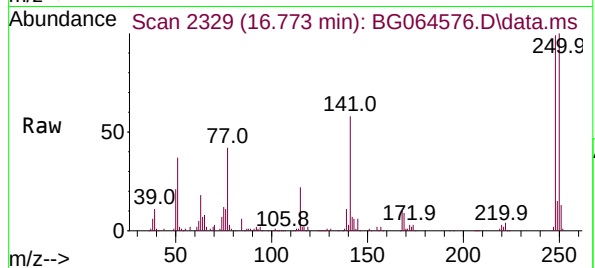
SSTDICC050

Tgt Ion:248 Resp: 196226
Ion Ratio Lower Upper
248 100
250 101.5 77.7 116.5
141 59.0 48.6 72.8

Manual Integrations

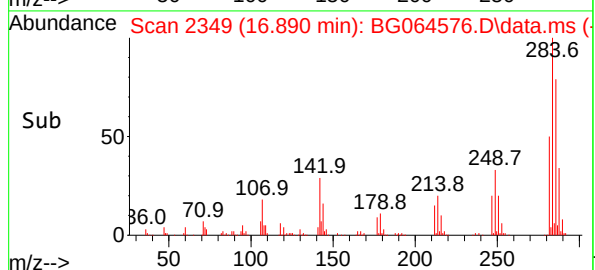
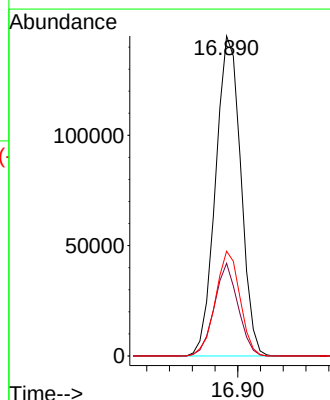
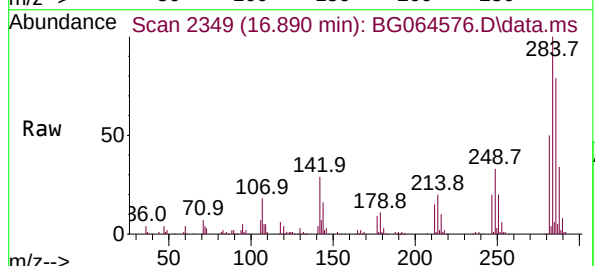
APPROVED

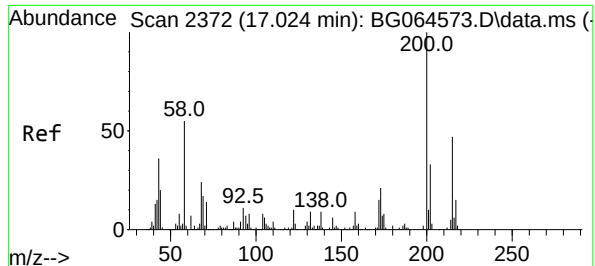
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#68
Hexachlorobenzene
Concen: 48.043 ng
RT: 16.890 min Scan# 2349
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:284 Resp: 223018
Ion Ratio Lower Upper
284 100
142 28.9 21.0 31.6
249 35.3 24.9 37.3





#69

Atrazine

Concen: 47.066 ng

RT: 17.025 min Scan# 2372

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:200 Resp: 187862

Ion Ratio Lower Upper

200 100

173 22.9 0.9 40.9

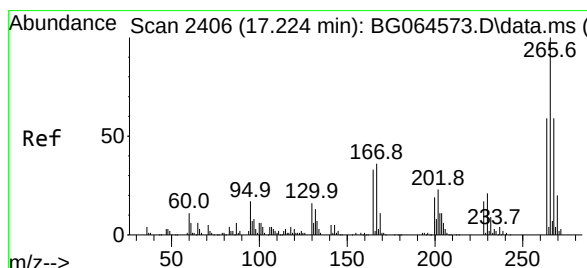
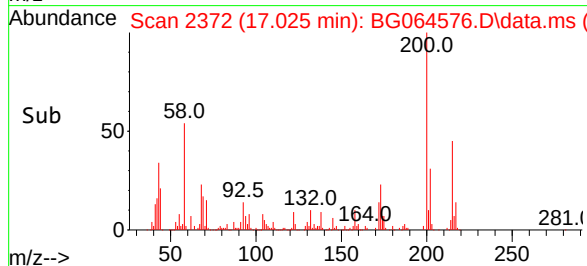
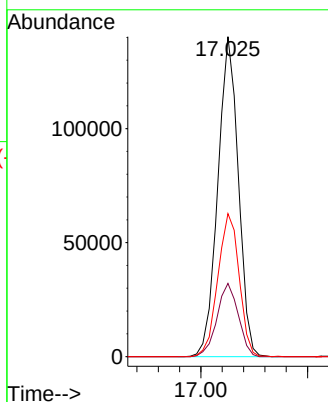
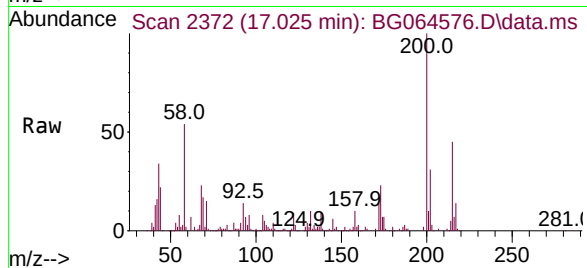
215 44.7 27.0 67.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#70

Pentachlorophenol

Concen: 50.930 ng

RT: 17.225 min Scan# 2406

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

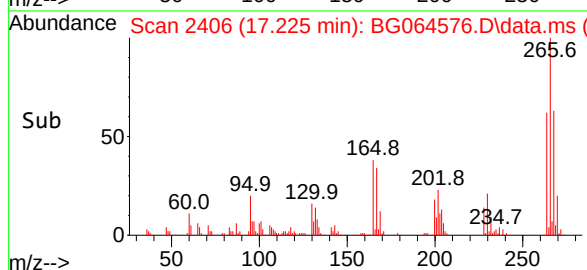
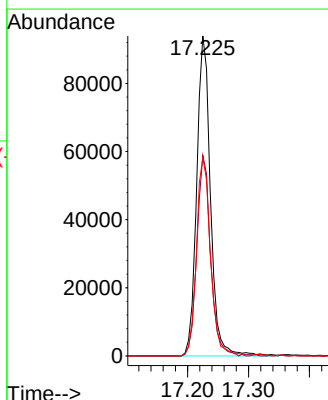
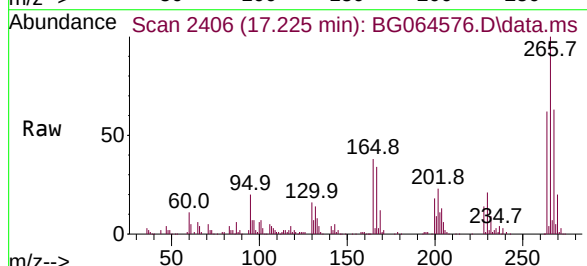
Tgt Ion:266 Resp: 147427

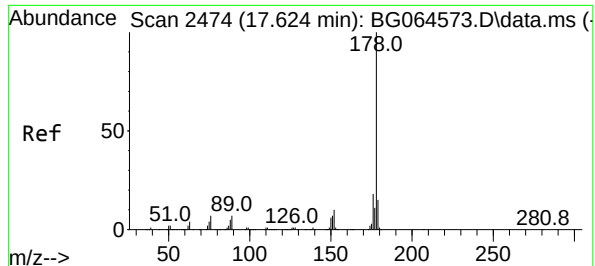
Ion Ratio Lower Upper

266 100

268 67.9 50.3 75.5

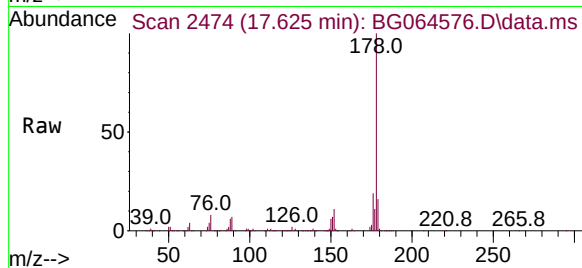
264 62.0 47.3 70.9





#71
Phenanthrene
Concen: 46.621 ng
RT: 17.625 min Scan# 2474
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

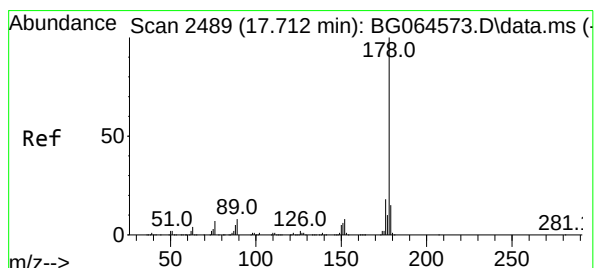
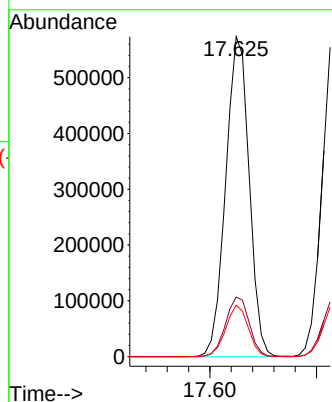
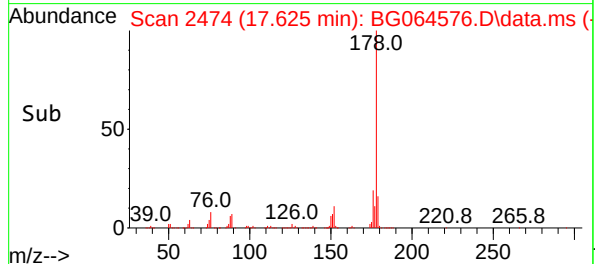
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:178 Resp: 875415
Ion Ratio Lower Upper
178 100
176 18.6 14.7 22.1
179 16.1 12.2 18.4

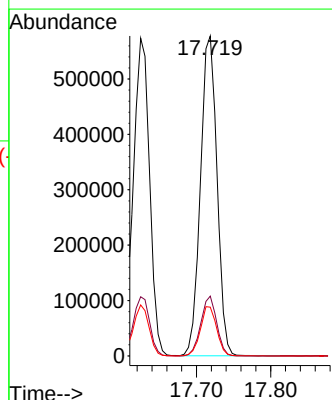
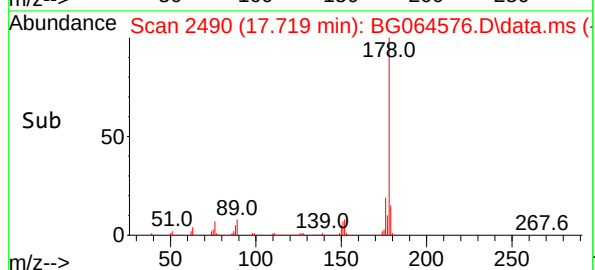
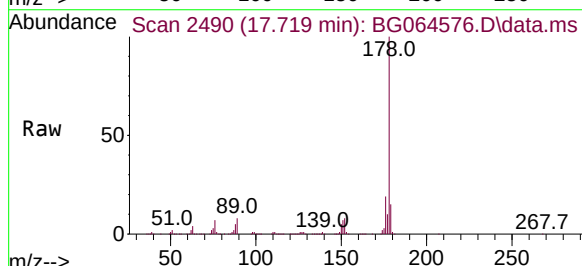
Manual Integrations
APPROVED

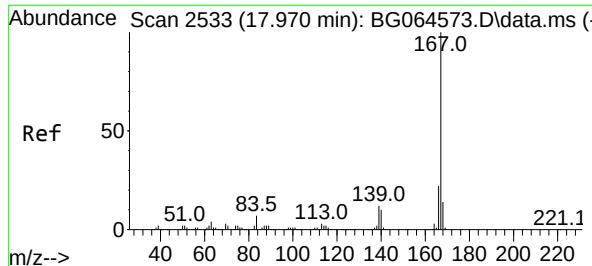
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#72
Anthracene
Concen: 46.785 ng
RT: 17.719 min Scan# 2490
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

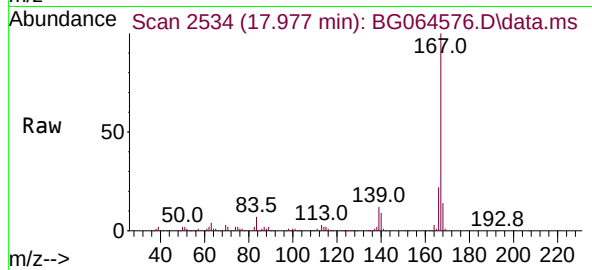
Tgt Ion:178 Resp: 893629
Ion Ratio Lower Upper
178 100
176 18.7 14.4 21.6
179 15.2 12.4 18.6





#73
Carbazole
Concen: 46.370 ng
RT: 17.977 min Scan# 2534
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

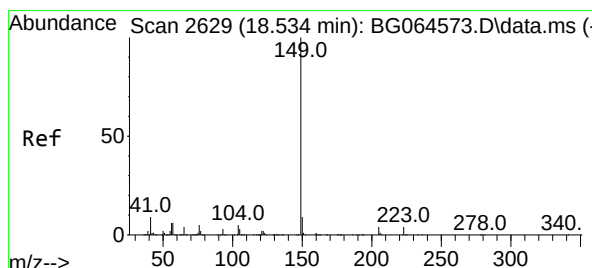
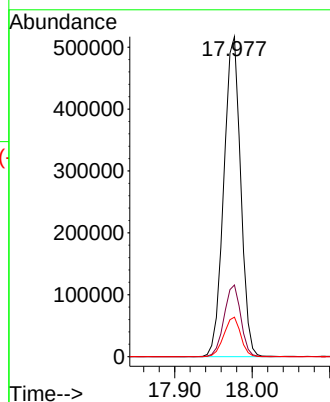
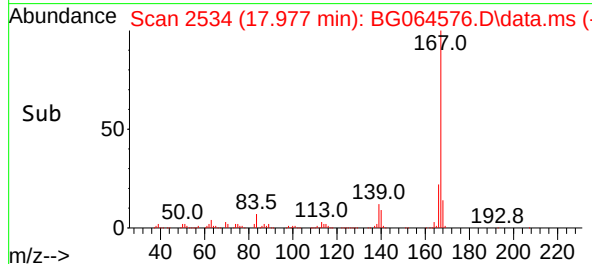
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:167 Resp: 781031
Ion Ratio Lower Upper
167 100
166 22.4 17.9 26.9
139 12.3 9.7 14.5

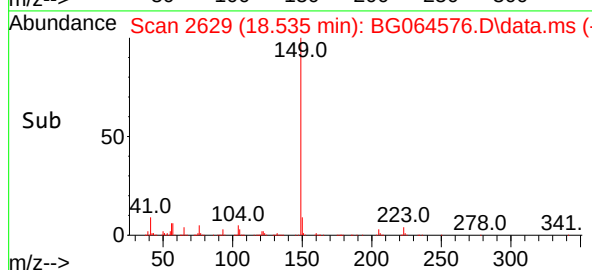
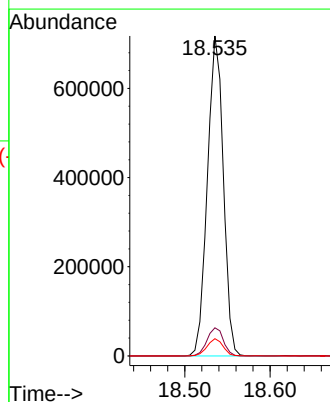
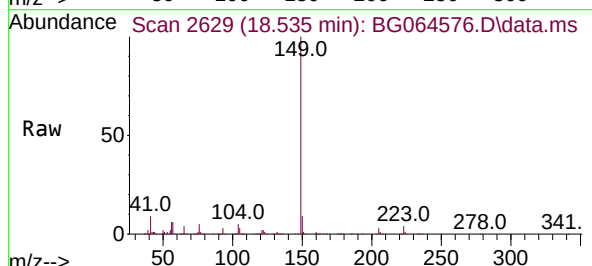
Manual Integrations
APPROVED

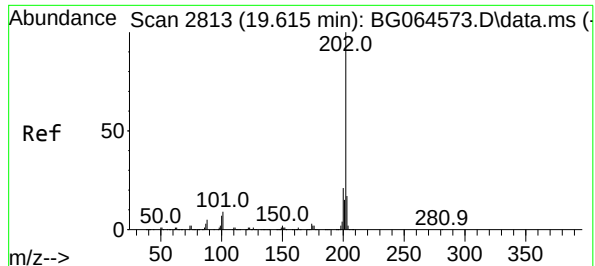
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#74
Di-n-butylphthalate
Concen: 47.762 ng
RT: 18.535 min Scan# 2629
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

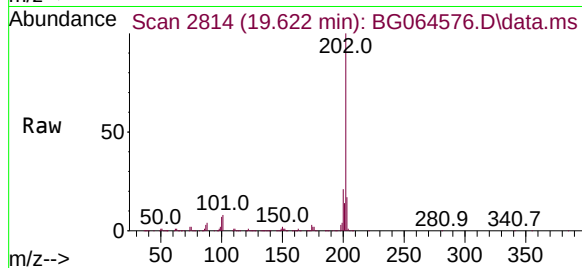
Tgt Ion:149 Resp: 930281
Ion Ratio Lower Upper
149 100
150 8.8 7.0 10.6
104 5.4 4.1 6.1





#75
Fluoranthene
Concen: 46.459 ng
RT: 19.622 min Scan# 2813
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

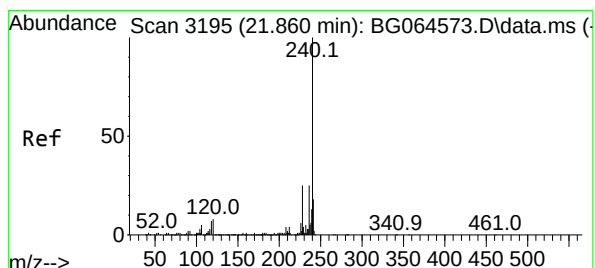
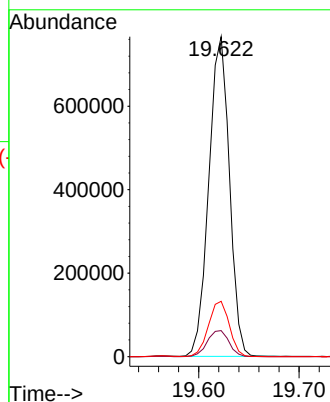
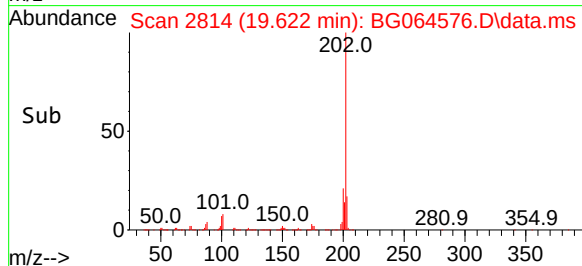
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:202 Resp: 1092855
Ion Ratio Lower Upper
202 100
101 8.2 0.0 28.7
203 17.3 0.0 37.0

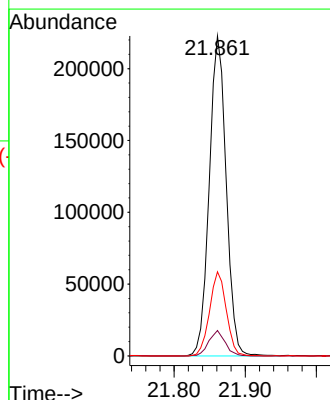
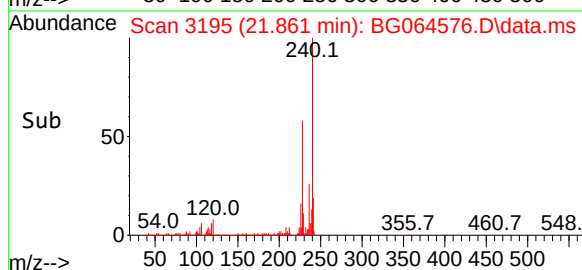
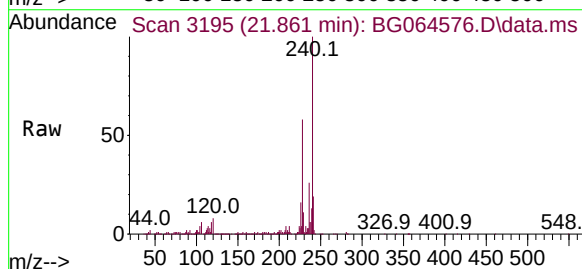
Manual Integrations
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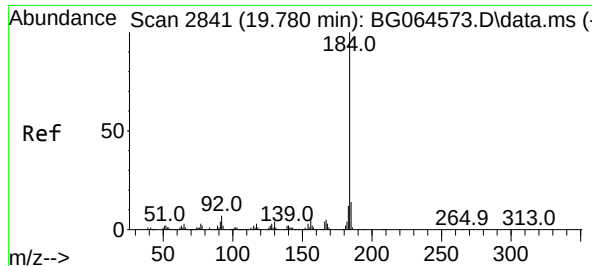
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.861 min Scan# 3195
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

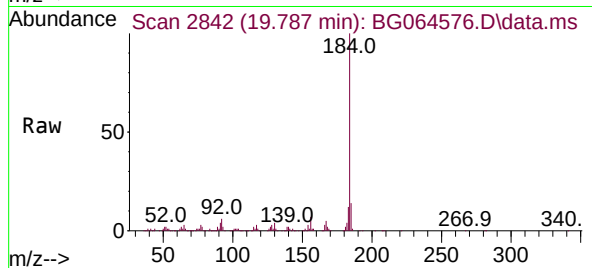
Tgt Ion:240 Resp: 367592
Ion Ratio Lower Upper
240 100
120 7.9 6.5 9.7
236 26.3 20.2 30.2





#77
Benzidine
Concen: 46.435 ng
RT: 19.787 min Scan# 2841
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

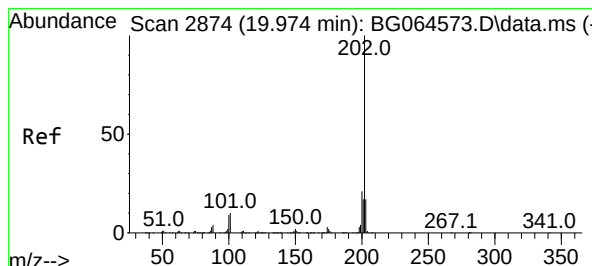
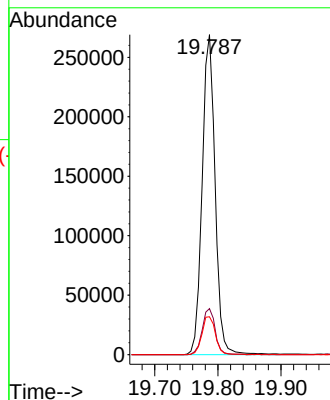
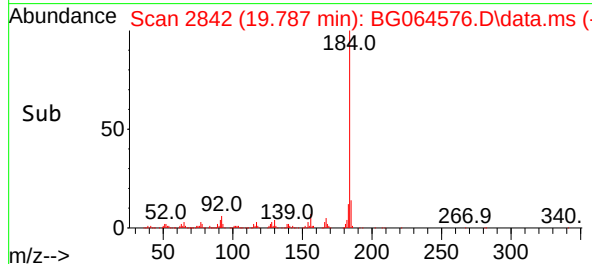
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



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

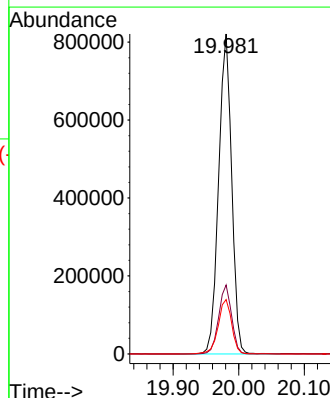
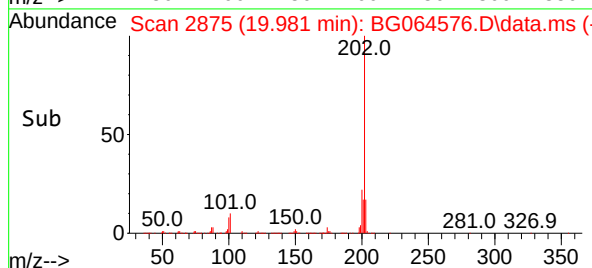
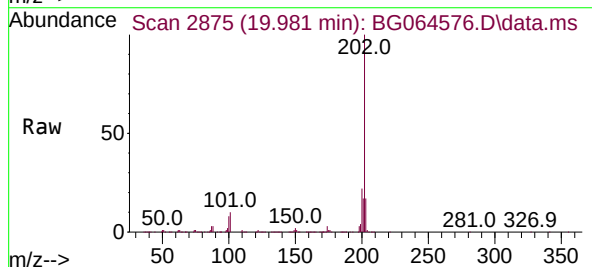
Manual Integrations
APPROVED

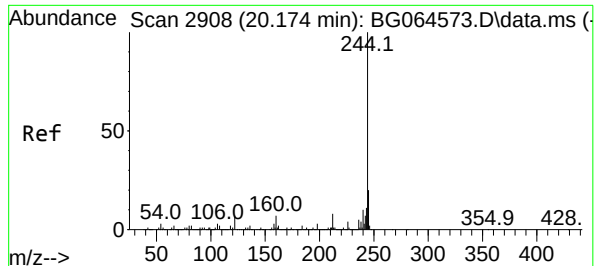
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#78
Pyrene
Concen: 47.190 ng
RT: 19.981 min Scan# 2875
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

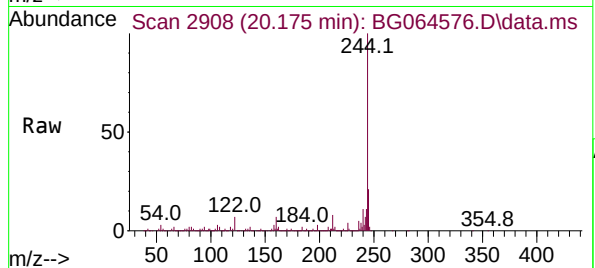
Tgt Ion:202 Resp: 1133345
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 17.0 13.8 20.6





#79
Terphenyl-d14
Concen: 93.162 ng
RT: 20.175 min Scan# 2908
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

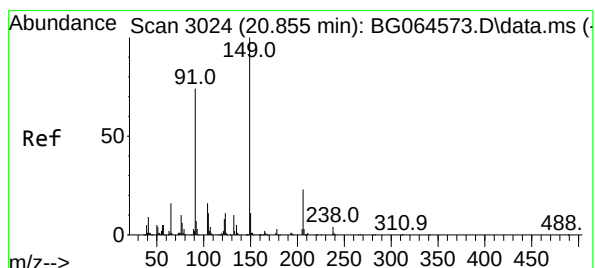
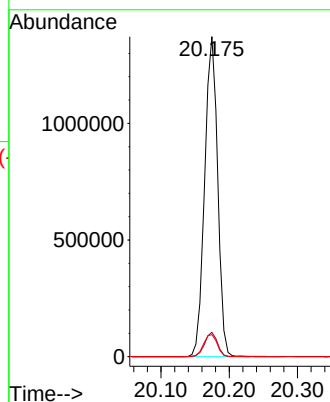
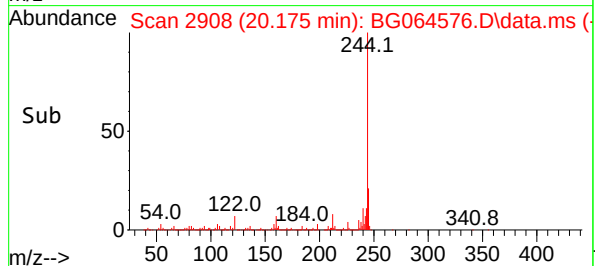
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:244 Resp: 1814663
Ion Ratio Lower Upper
244 100
212 7.6 6.1 9.1
122 6.9 5.6 8.4

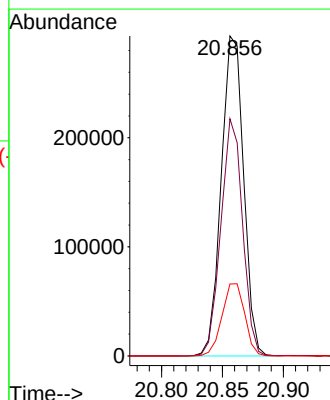
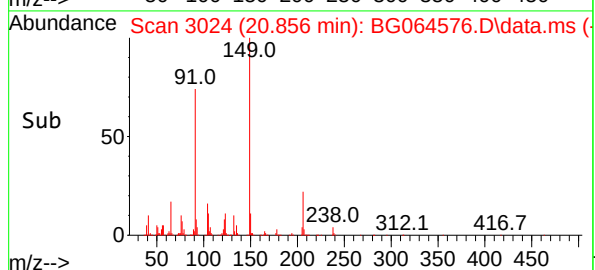
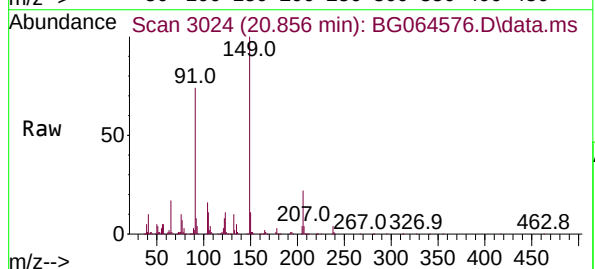
Manual Integrations
APPROVED

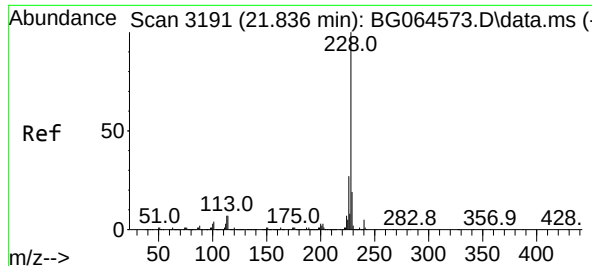
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#80
Butylbenzylphthalate
Concen: 51.609 ng
RT: 20.856 min Scan# 3024
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

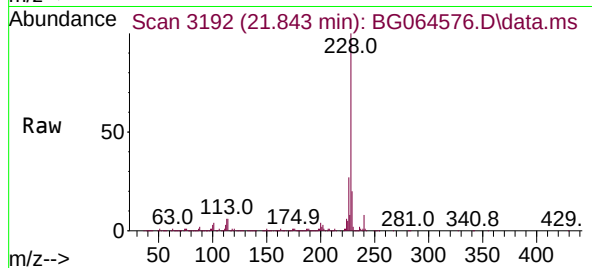
Tgt Ion:149 Resp: 374611
Ion Ratio Lower Upper
149 100
91 74.1 59.2 88.8
206 22.5 18.1 27.1





#81
Benzo(a)anthracene
Concen: 47.234 ng
RT: 21.843 min Scan# 3191
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

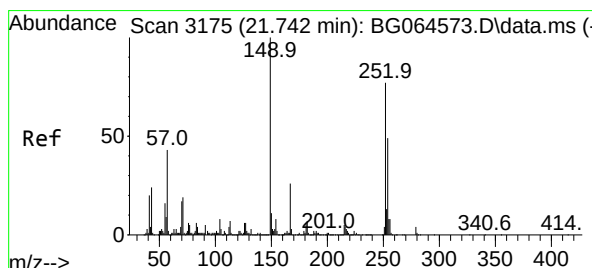
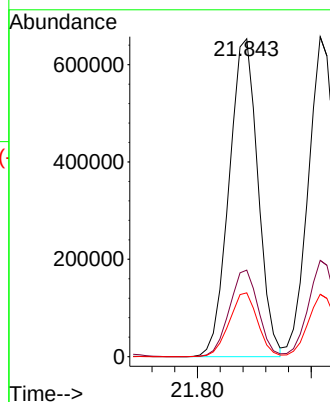
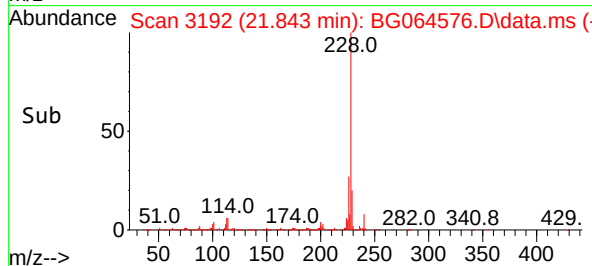
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



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

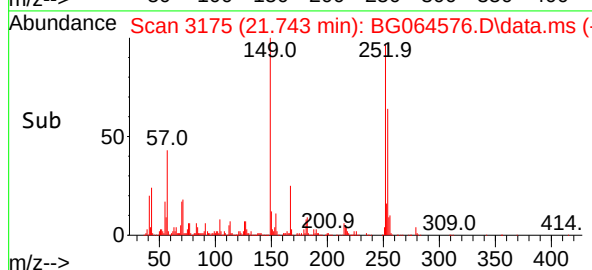
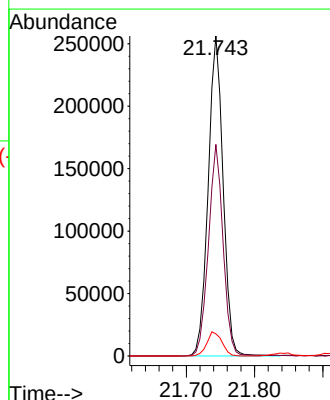
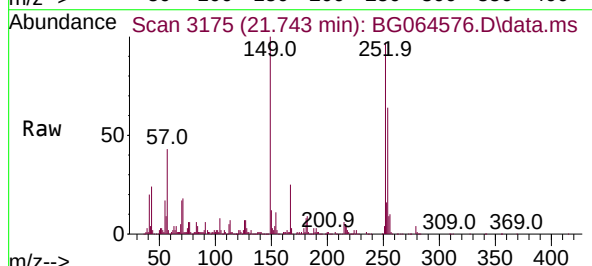
Manual Integrations
APPROVED

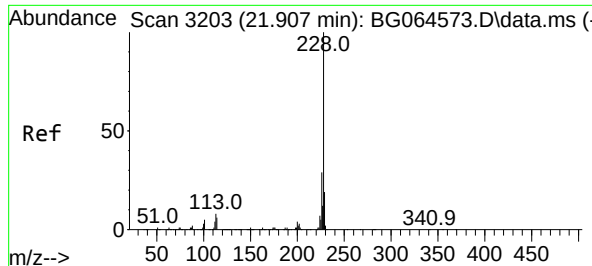
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#82
3,3'-Dichlorobenzidine
Concen: 47.824 ng
RT: 21.743 min Scan# 3175
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 389240
Ion Ratio Lower Upper
252 100
254 66.1 50.8 76.2
126 6.9 5.8 8.6





#83

Chrysene

Concen: 47.062 ng

RT: 21.908 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:228 Resp: 1091456

Ion Ratio Lower Upper

228 100

226 30.1 23.3 34.9

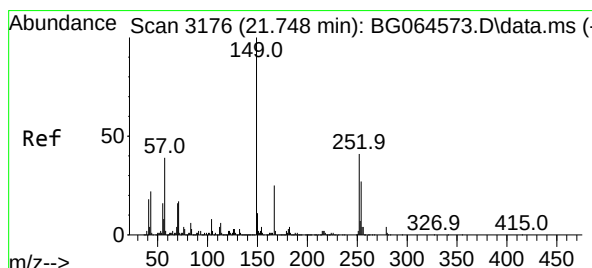
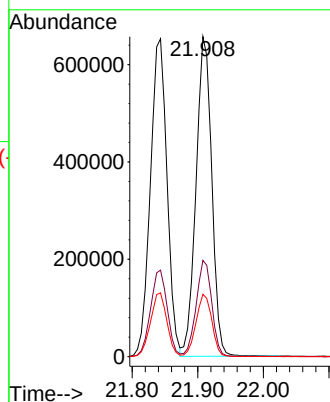
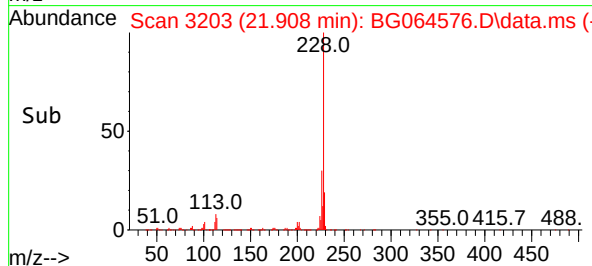
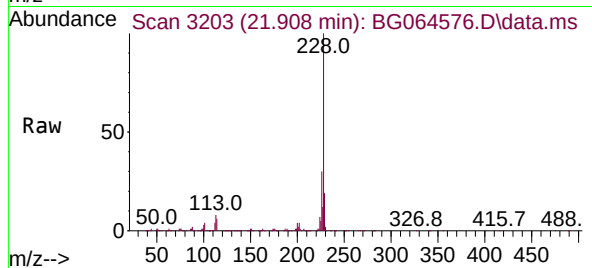
229 19.5 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.576 ng

RT: 21.749 min Scan# 3176

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

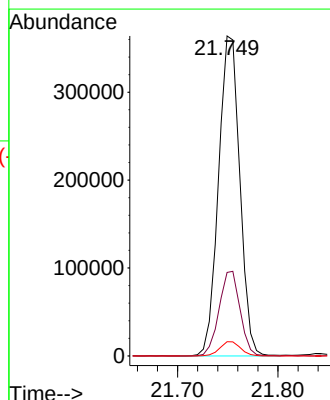
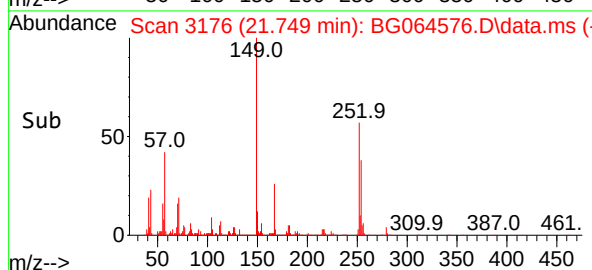
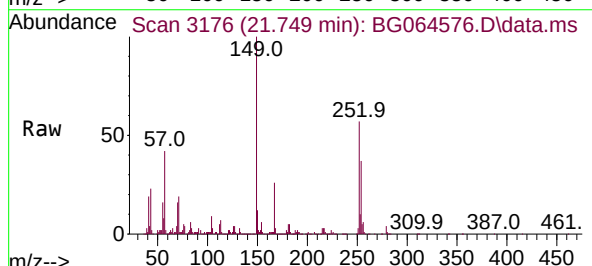
Tgt Ion:149 Resp: 537716

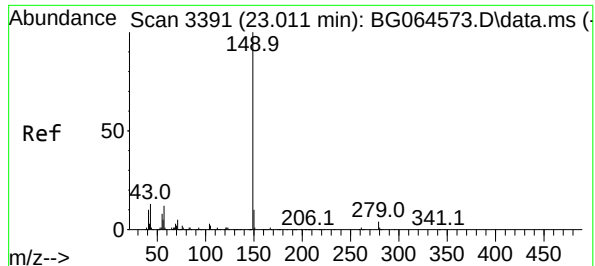
Ion Ratio Lower Upper

149 100

167 26.1 20.0 30.0

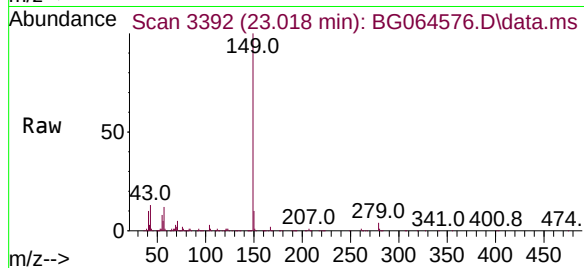
279 4.4 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 49.039 ng
RT: 23.018 min Scan# 3391
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

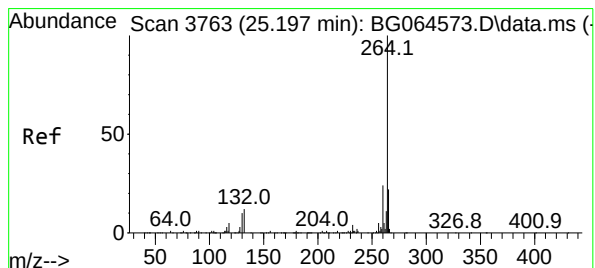
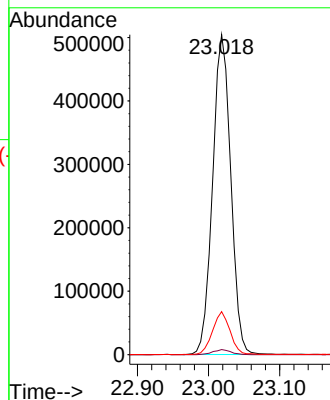
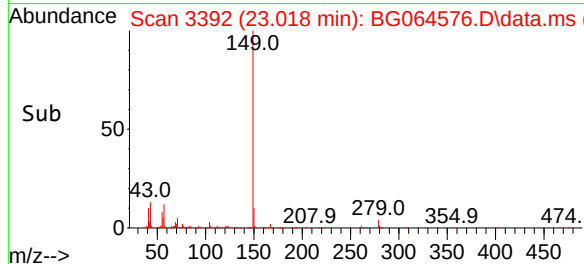
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:149 Resp: 896763
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 13.1 10.8 16.2

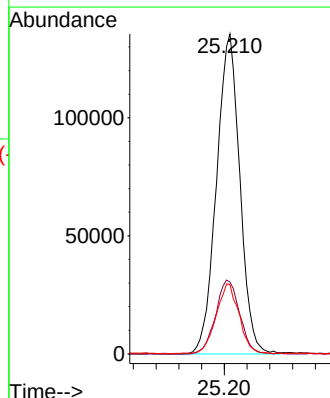
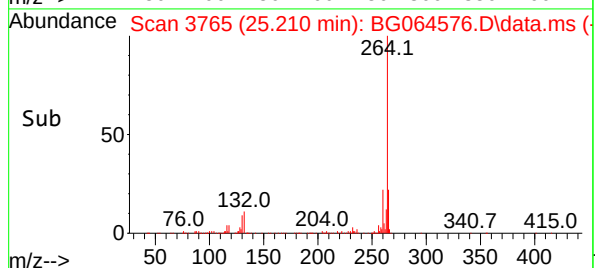
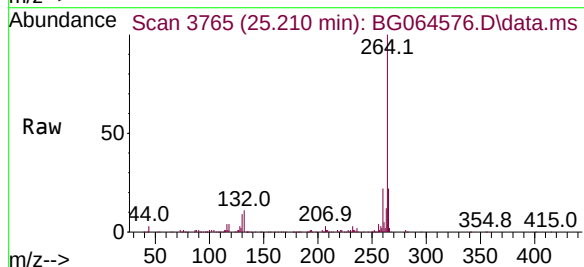
Manual Integrations
APPROVED

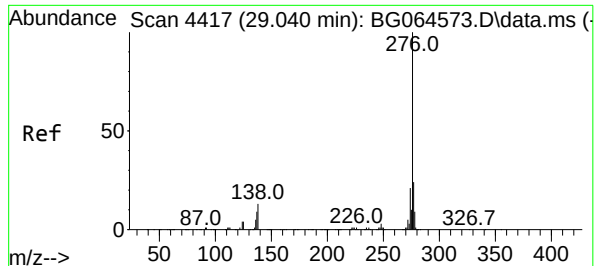
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.210 min Scan# 3765
Delta R.T. 0.009 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

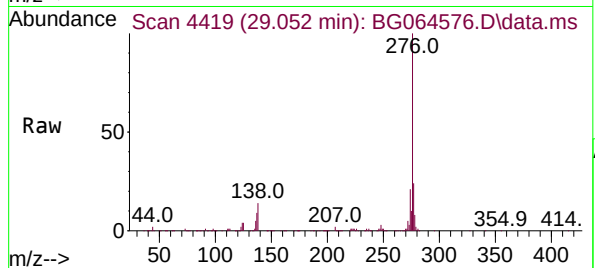
Tgt Ion:264 Resp: 385865
Ion Ratio Lower Upper
264 100
260 22.4 19.0 28.4
265 21.7 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 47.425 ng
RT: 29.052 min Scan# 4417
Delta R.T. -0.008 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

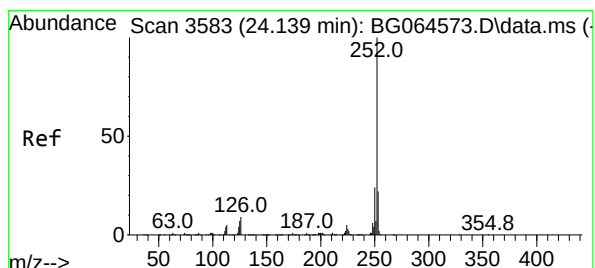
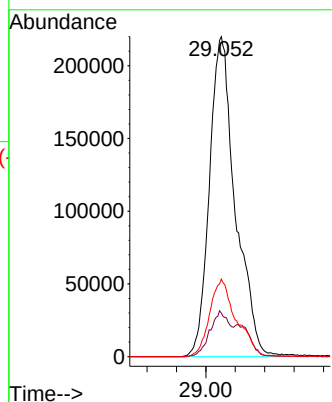
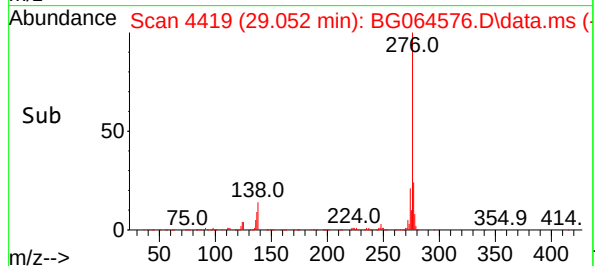
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



Tgt Ion:276 Resp: 1346188
Ion Ratio Lower Upper
276 100
138 10.9 10.8 16.2
277 24.8 20.1 30.1

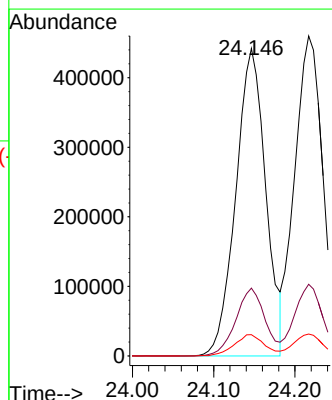
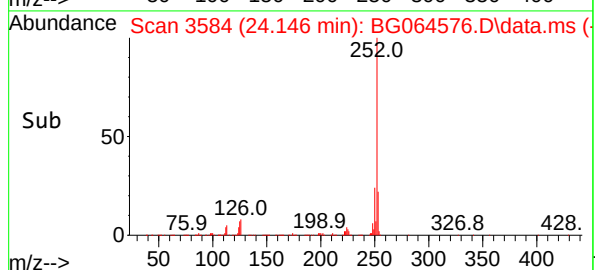
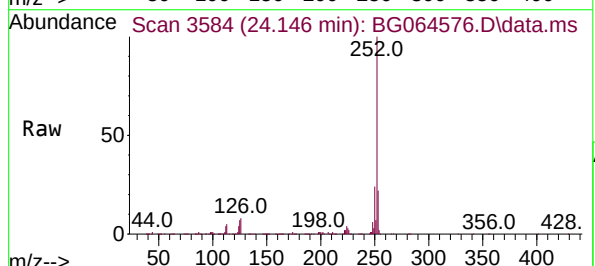
Manual Integrations
APPROVED

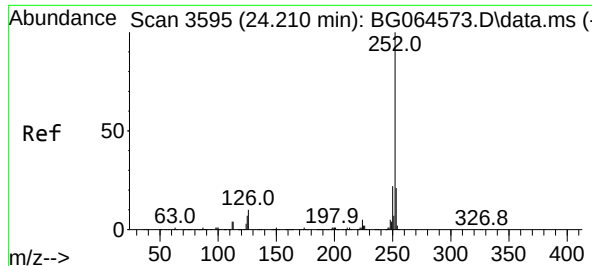
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#88
Benzo(b)fluoranthene
Concen: 47.810 ng
RT: 24.146 min Scan# 3584
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 1131250
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 6.9 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 46.901 ng

RT: 24.217 min Scan# 3596

Delta R.T. -0.003 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

Instrument :

BNA_G

ClientSampleId :

SSTDICC050

Tgt Ion:252 Resp: 1110490

Ion Ratio Lower Upper

252 100

253 22.4 16.8 25.2

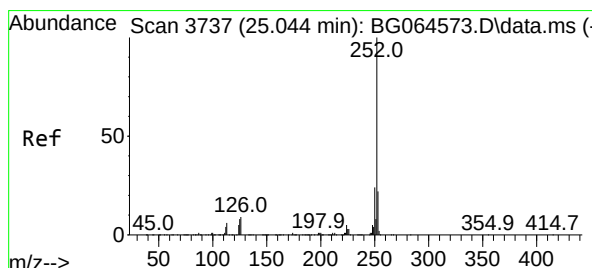
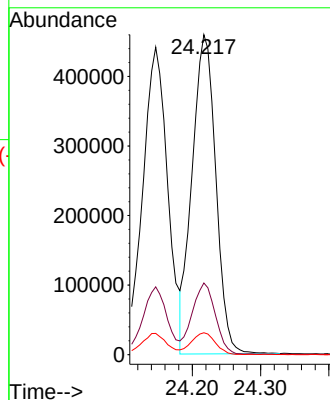
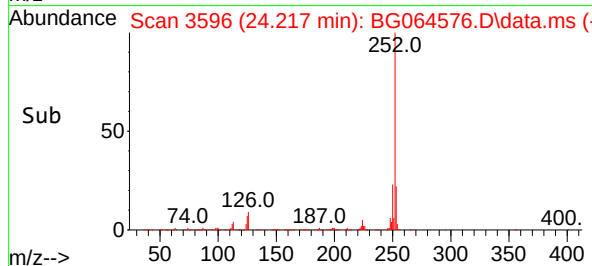
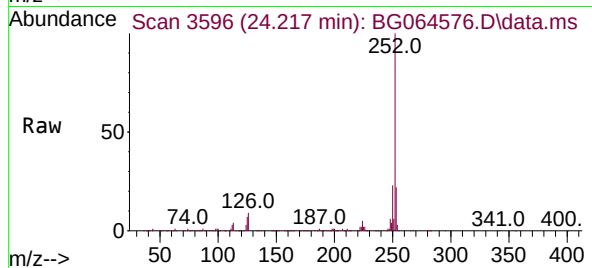
125 6.8 5.4 8.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#90

Benzo(a)pyrene

Concen: 47.339 ng

RT: 25.051 min Scan# 3738

Delta R.T. -0.008 min

Lab File: BG064576.D

Acq: 24 Oct 2025 15:32

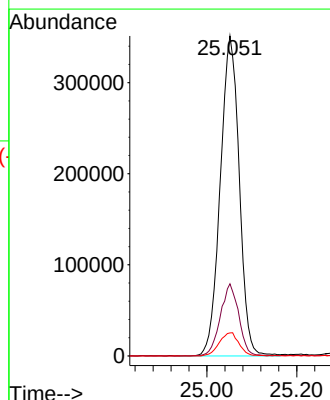
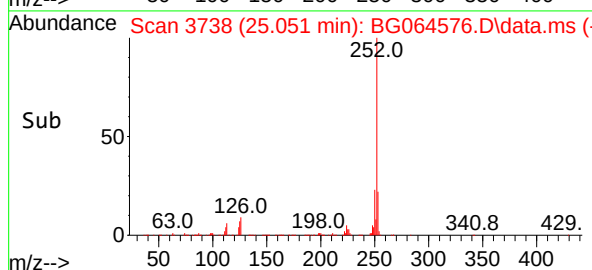
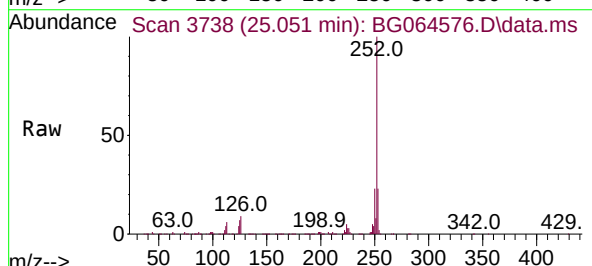
Tgt Ion:252 Resp: 1029605

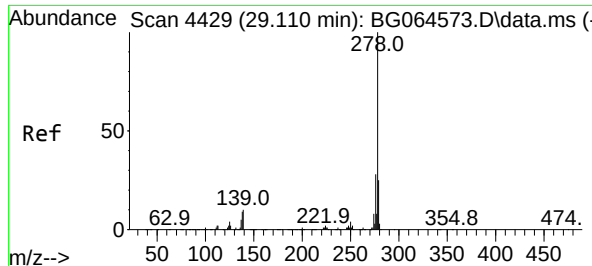
Ion Ratio Lower Upper

252 100

253 22.5 17.6 26.4

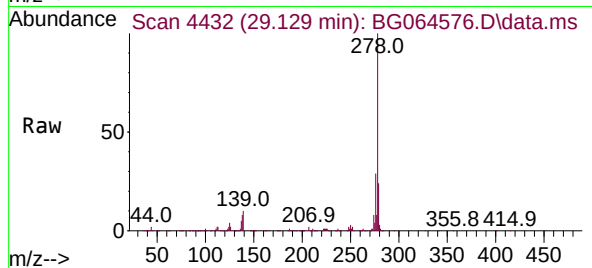
125 7.2 6.1 9.1





#91
Dibenzo(a,h)anthracene
Concen: 47.283 ng
RT: 29.129 min Scan# 4419
Delta R.T. -0.008 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

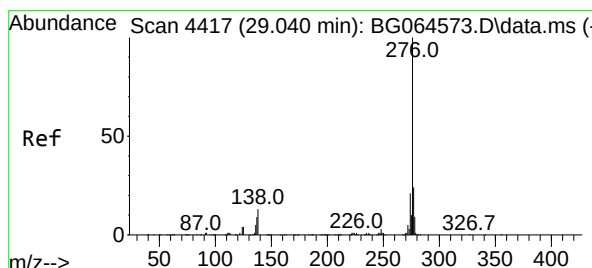
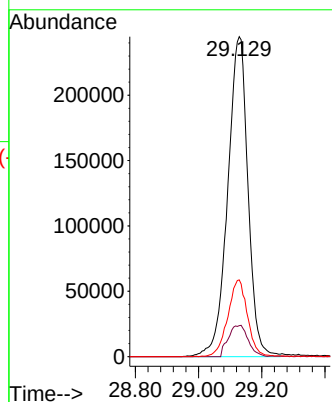
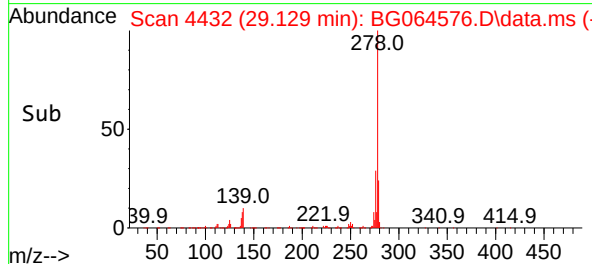
Instrument :
BNA_G
ClientSampleId :
SSTDICC050



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

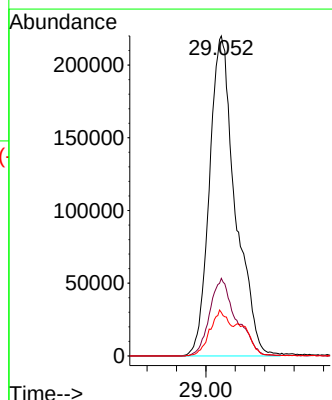
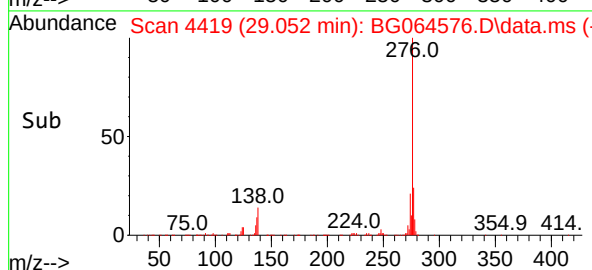
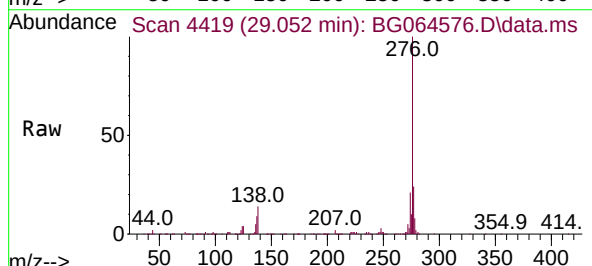
Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 47.425 ng
RT: 29.052 min Scan# 4419
Delta R.T. -0.008 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:276 Resp: 1346188
Ion Ratio Lower Upper
276 100
277 24.2 19.2 28.8
138 13.6 10.7 16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064577.D
 Acq On : 24 Oct 2025 16:47
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:24:36 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.222	152	37186	20.000	ng	0.00
21) Naphthalene-d8	11.048	136	157125	20.000	ng	0.00
39) Acenaphthene-d10	14.844	164	124202	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	290051	20.000	ng	0.00
76) Chrysene-d12	21.859	240	293608	20.000	ng	0.00
86) Perylene-d12	25.202	264	306886	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	156266	70.535	ng	0.00
7) Phenol-d6	7.353	99	225294	74.109	ng	0.00
23) Nitrobenzene-d5	9.386	82	200749	76.738	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	134578	75.074	ng	0.00
45) 2-Fluorobiphenyl	13.475	172	594887	72.599	ng	0.00
79) Terphenyl-d14	20.173	244	1151597	74.019	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.586	88	33172	33.820	ng	97
3) Pyridine	3.998	79	98123	33.313	ng	95
4) n-Nitrosodimethylamine	3.898	42	56903	36.025	ng	98
6) Aniline	7.529	93	157683	38.118	ng	99
8) 2-Chlorophenol	7.776	128	85755	36.981	ng	96
9) Benzaldehyde	7.341	77	84516	50.923	ng	95
10) Phenol	7.376	94	122412	36.410	ng	98
11) bis(2-Chloroethyl)ether	7.529	93	157683	38.118	ng	99
12) 1,3-Dichlorobenzene	8.111	146	96308	36.085	ng	94
13) 1,4-Dichlorobenzene	8.257	146	102132	37.635	ng	96
14) 1,2-Dichlorobenzene	8.581	146	96651	36.924	ng	97
15) Benzyl Alcohol	8.445	79	95250	37.995	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.745	45	234476	36.163	ng	98
17) 2-Methylphenol	8.445	107	48801	38.945	ng	95
18) Hexachloroethane	9.327	117	34040	35.743	ng	96
19) n-Nitroso-di-n-propyla...	9.027	70	83140	39.572	ng	96
20) 3+4-Methylphenols	8.974	107	118917	37.882	ng	96
22) Acetophenone	9.045	105	162385	37.806	ng	97
24) Nitrobenzene	9.427	77	111836	39.305	ng	97
25) Isophorone	9.955	82	236860	37.733	ng	99
26) 2-Nitrophenol	10.143	139	38013	35.498	ng	97
27) 2,4-Dimethylphenol	10.196	122	98450m	41.336	ng	
28) bis(2-Chloroethoxy)met...	10.437	93	132072	36.953	ng	99
29) 2,4-Dichlorophenol	10.684	162	95966	38.190	ng	97
30) 1,2,4-Trichlorobenzene	10.907	180	108339	37.945	ng	97
31) Naphthalene	11.101	128	311084	35.709	ng	100
32) Benzoic acid	10.296	122	62191m	37.924	ng	
33) 4-Chloroaniline	11.189	127	139799	41.287	ng	99
34) Hexachlorobutadiene	11.389	225	78691	35.242	ng	97
35) Caprolactam	11.941	113	35011	36.326	ng	93
36) 4-Chloro-3-methylphenol	12.294	107	114927	38.049	ng	98
37) 2-Methylnaphthalene	12.693	142	213545	33.388	ng	98
38) 1-Methylnaphthalene	12.911	142	224857	35.729	ng	100
40) 1,2,4,5-Tetrachloroben...	13.052	216	154838	37.146	ng	99
41) Hexachlorocyclopentadiene	13.040	237	95065	50.669	ng	98
43) 2,4,6-Trichlorophenol	13.281	196	92335	38.726	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064577.D
 Acq On : 24 Oct 2025 16:47
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:24:36 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	102433	37.228	ng	99
46) 1,1'-Biphenyl	13.686	154	329629	37.331	ng	99
47) 2-Chloronaphthalene	13.727	162	241311	36.205	ng	97
48) 2-Nitroaniline	13.910	65	78927	36.129	ng	96
49) Acenaphthylene	14.568	152	435836	41.457	ng	98
50) Dimethylphthalate	14.292	163	350600	36.890	ng	100
51) 2,6-Dinitrotoluene	14.403	165	61784	39.971	ng	100
52) Acenaphthene	14.908	154	253833	35.340	ng	98
53) 3-Nitroaniline	14.726	138	68729	42.080	ng	99
54) 2,4-Dinitrophenol	14.926	184	29394	33.991	ng	# 56
55) Dibenzofuran	15.237	168	419154	36.096	ng	97
56) 4-Nitrophenol	15.014	139	51210	33.818	ng	92
57) 2,4-Dinitrotoluene	15.185	165	85201	35.957	ng	96
58) Fluorene	15.890	166	328636	36.238	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.455	232	106626	40.525	ng	97
60) Diethylphthalate	15.649	149	348964	35.961	ng	99
61) 4-Chlorophenyl-phenyle...	15.878	204	182714	35.902	ng	99
62) 4-Nitroaniline	15.884	138	68807	37.867	ng	97
63) Azobenzene	16.172	77	323432	36.325	ng	97
65) 4,6-Dinitro-2-methylph...	15.943	198	42391	34.885	ng	94
66) n-Nitrosodiphenylamine	16.084	169	300274	38.325	ng	98
67) 4-Bromophenyl-phenylether	16.771	248	130765	38.044	ng	97
68) Hexachlorobenzene	16.888	284	144974	36.971	ng	96
69) Atrazine	17.024	200	130007	38.558	ng	96
70) Pentachlorophenol	17.223	266	85166	34.829	ng	90
71) Phenanthrene	17.623	178	569825	35.925	ng	99
72) Anthracene	17.717	178	584246	36.210	ng	99
73) Carbazole	17.975	167	498849	35.061	ng	99
74) Di-n-butylphthalate	18.534	149	570718	34.688	ng	99
75) Fluoranthene	19.621	202	676996	34.070	ng	99
77) Benzidine	19.785	184	356547	54.203	ng	99
78) Pyrene	19.979	202	693068	36.130	ng	99
80) Butylbenzylphthalate	20.854	149	224386	38.702	ng	98
81) Benzo(a)anthracene	21.836	228	706428	36.287	ng	99
82) 3,3'-Dichlorobenzidine	21.742	252	265324	40.813	ng	96
83) Chrysene	21.906	228	658217	35.533	ng	98
84) Bis(2-ethylhexyl)phtha...	21.747	149	324614	37.470	ng	96
85) Di-n-octyl phthalate	23.017	149	527097	36.087	ng	99
87) Indeno(1,2,3-cd)pyrene	29.045	276	820974	36.366	ng	99
88) Benzo(b)fluoranthene	24.139	252	681881	36.235	ng	99
89) Benzo(k)fluoranthene	24.209	252	701500	37.252	ng	99
90) Benzo(a)pyrene	25.049	252	652126	37.700	ng	98
91) Dibenzo(a,h)anthracene	29.121	278	674510	36.776	ng	96
92) Benzo(g,h,i)perylene	29.045	276	820974	36.366	ng	97

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

```

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

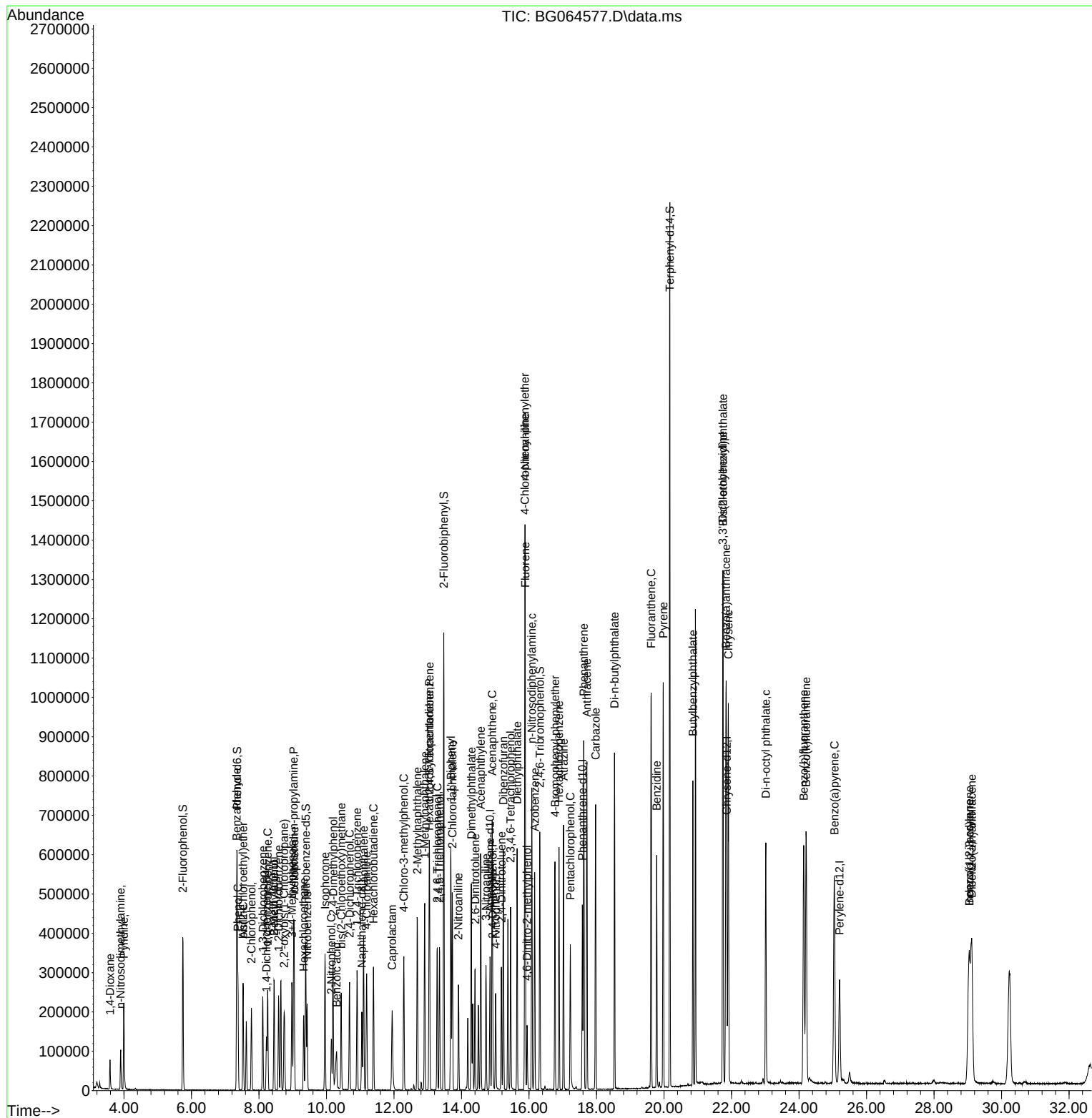
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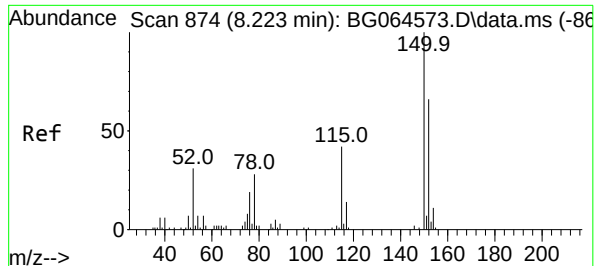
Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

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

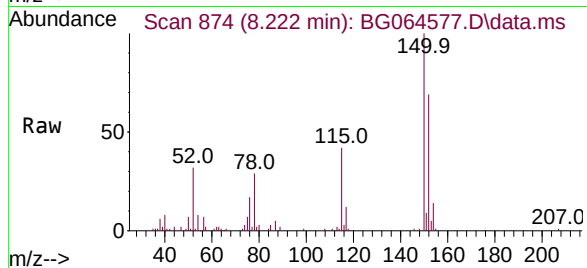
Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.222 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

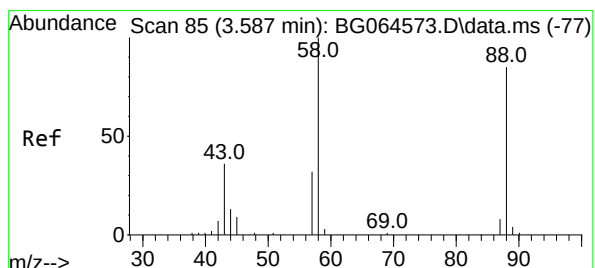
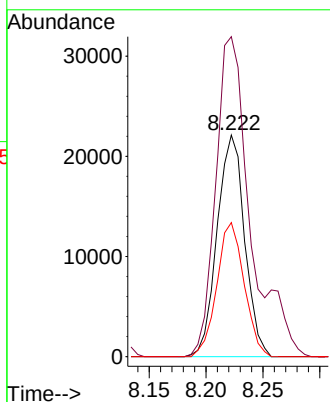
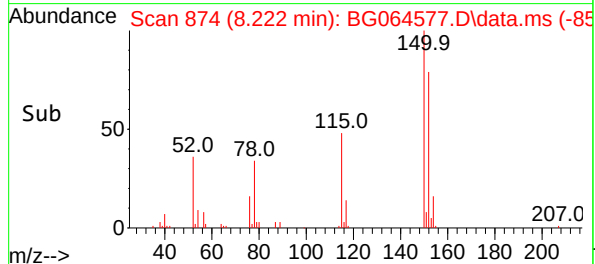
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



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

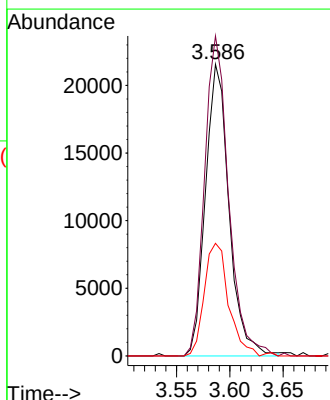
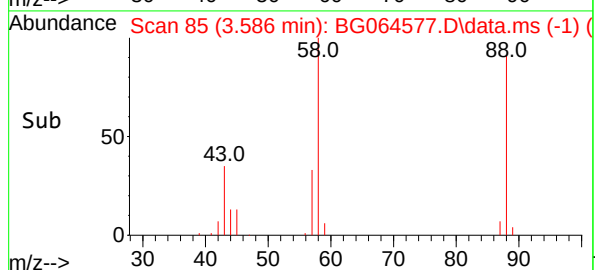
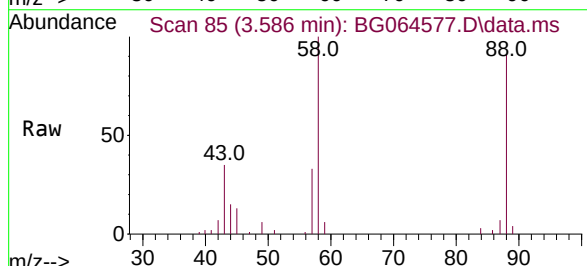
Manual Integrations
APPROVED

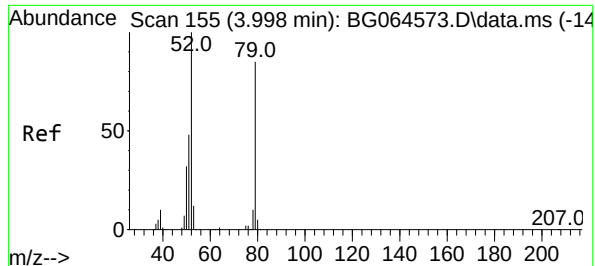
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#2
1,4-Dioxane
Concen: 33.820 ng
RT: 3.586 min Scan# 85
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

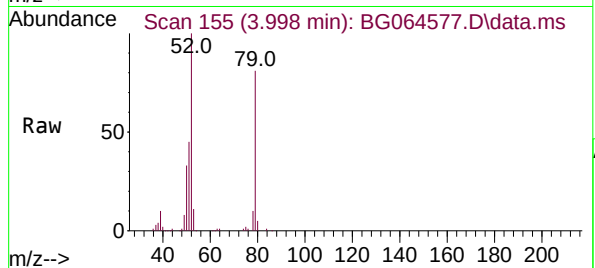
Tgt Ion: 88 Resp: 33172
Ion Ratio Lower Upper
88 100
58 111.8 92.4 138.6
43 40.1 33.0 49.6





#3
Pyridine
Concen: 33.313 ng
RT: 3.998 min Scan# 11
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

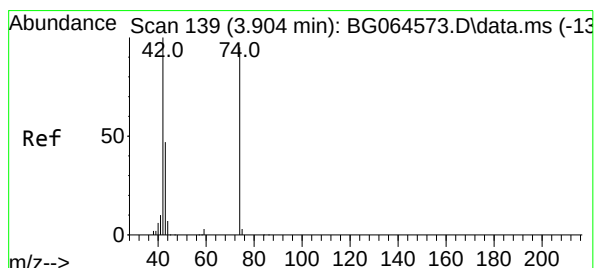
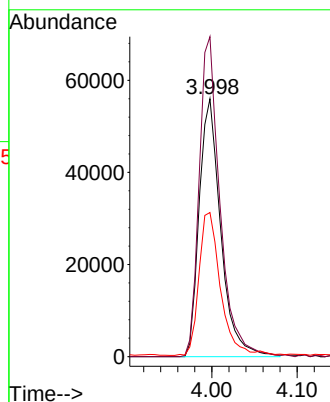
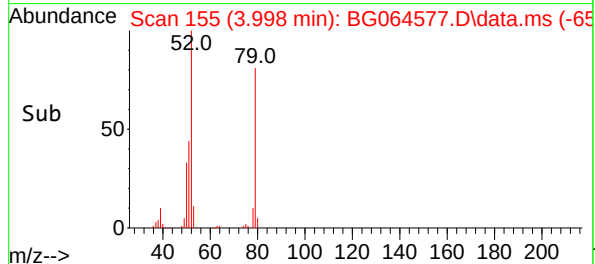
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



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

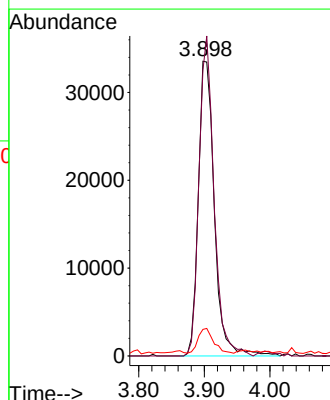
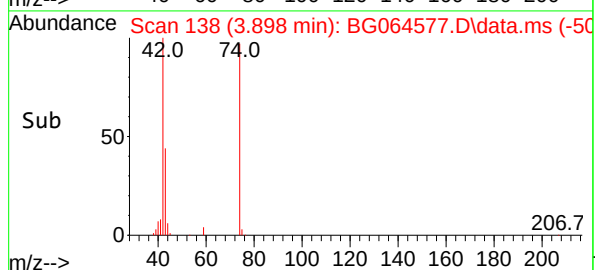
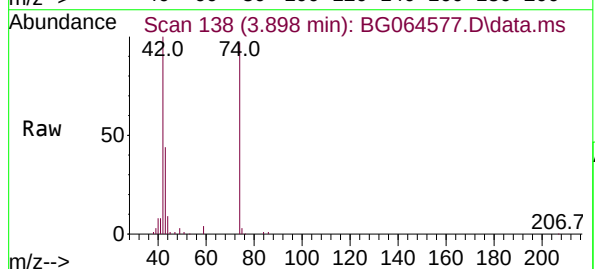
Manual Integrations
APPROVED

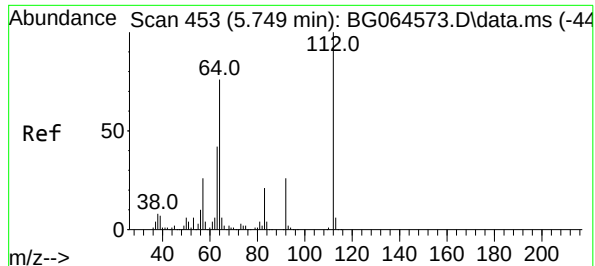
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#4
n-Nitrosodimethylamine
Concen: 36.025 ng
RT: 3.898 min Scan# 138
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

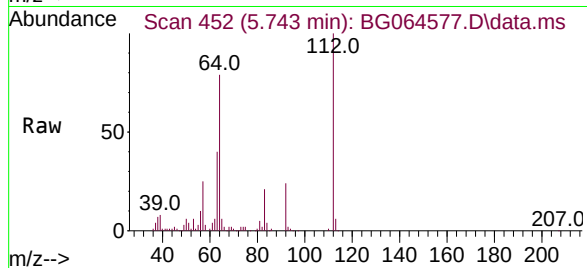
Tgt Ion: 42 Resp: 56903
Ion Ratio Lower Upper
42 100
74 97.0 76.1 114.1
44 9.0 6.3 9.5





#5
2-Fluorophenol
Concen: 70.535 ng
RT: 5.743 min Scan# 453
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

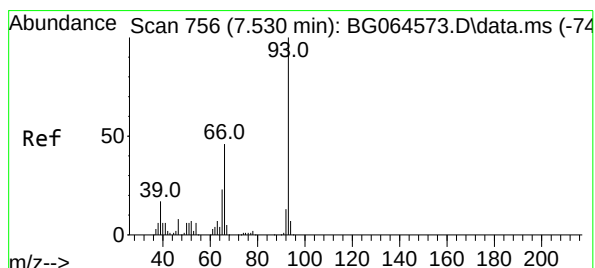
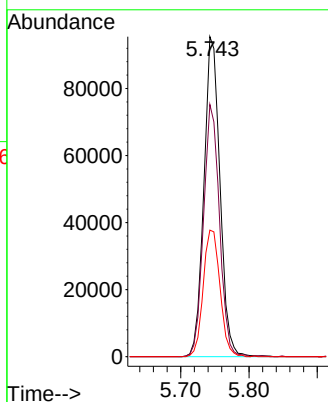
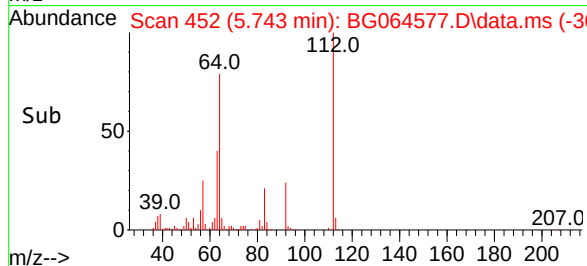
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



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

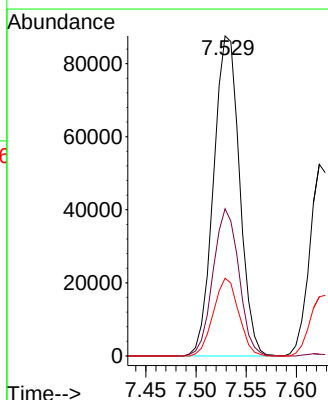
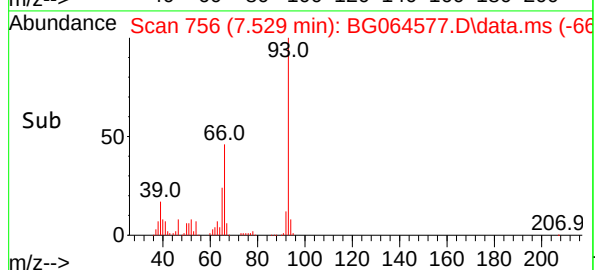
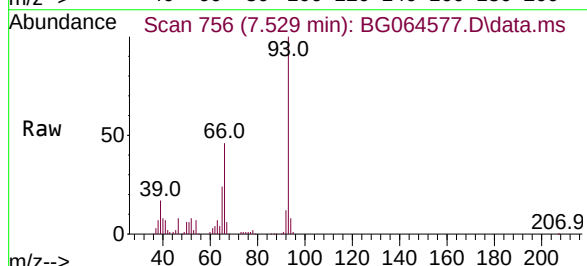
Manual Integrations
APPROVED

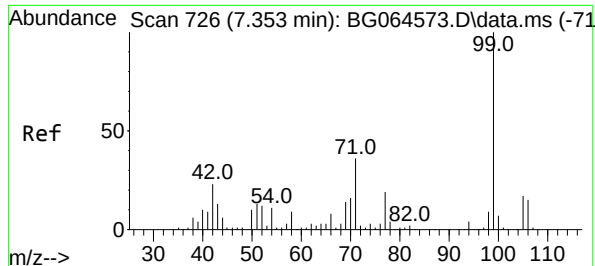
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#6
Aniline
Concen: 38.118 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 93 Resp: 157683
Ion Ratio Lower Upper
93 100
66 46.0 37.0 55.6
65 24.3 18.3 27.5





#7

Phenol-d6

Concen: 74.109 ng

RT: 7.353 min Scan# 726

Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

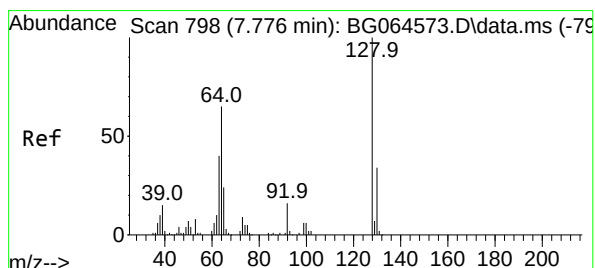
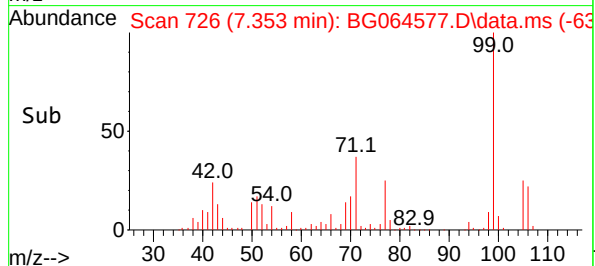
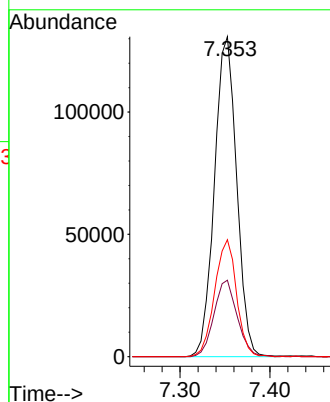
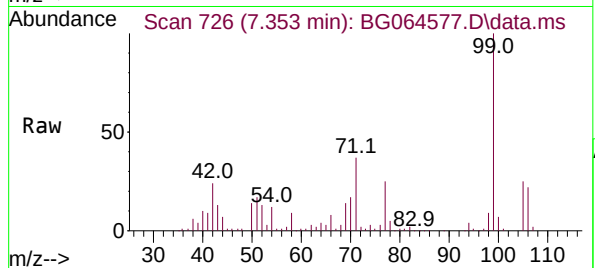
Tgt Ion:	99	Resp:	225294
Ion	Ratio	Lower	Upper
99	100		
42	23.9	18.3	27.5
71	36.5	28.6	43.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#8

2-Chlorophenol

Concen: 36.981 ng

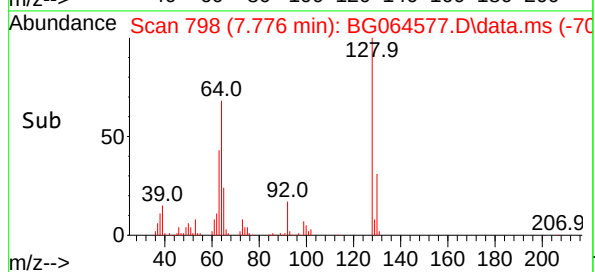
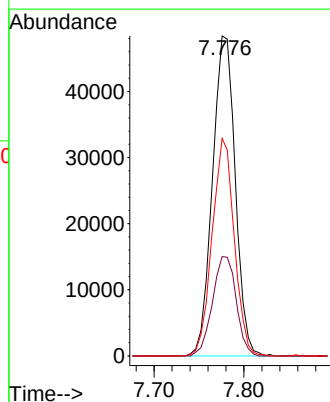
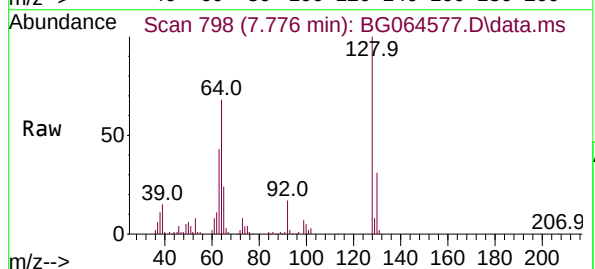
RT: 7.776 min Scan# 798

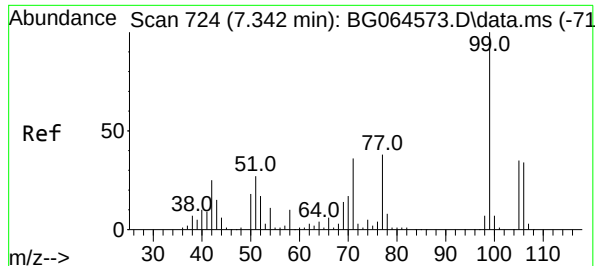
Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

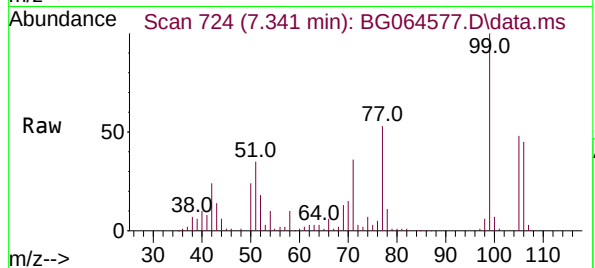
Tgt Ion:	128	Resp:	85755
Ion	Ratio	Lower	Upper
128	100		
130	31.0	13.5	53.5
64	67.9	45.2	85.2





#9
Benzaldehyde
Concen: 50.923 ng
RT: 7.341 min Scan# 724
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

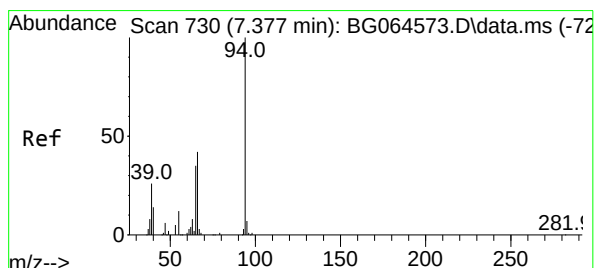
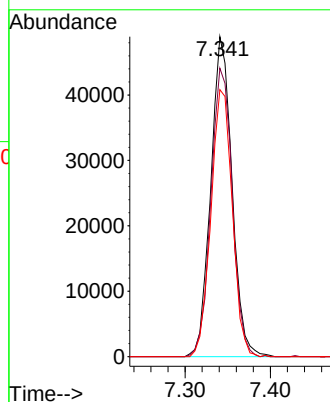
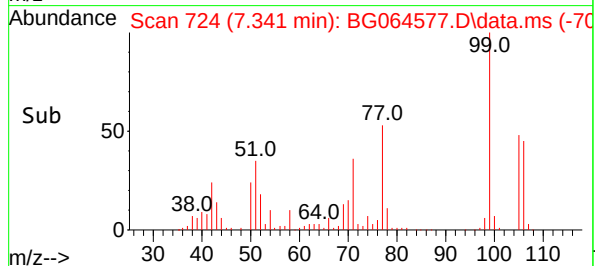
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



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

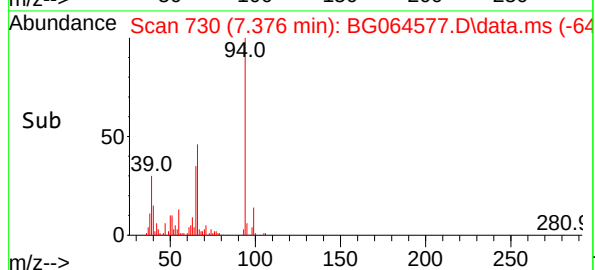
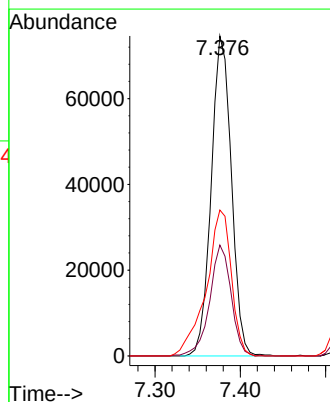
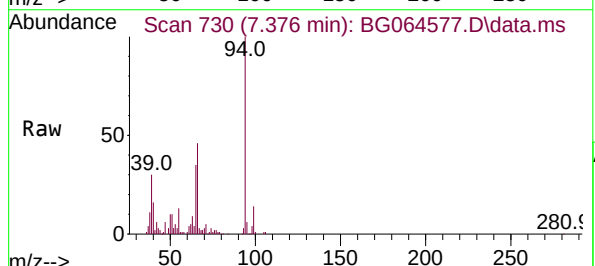
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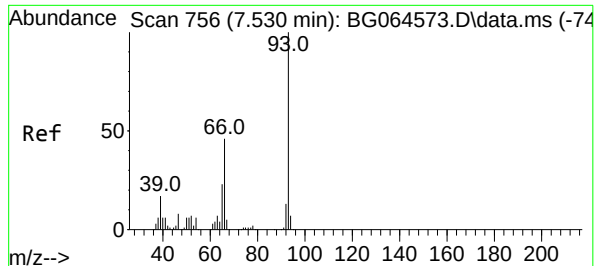
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#10
Phenol
Concen: 36.410 ng
RT: 7.376 min Scan# 730
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

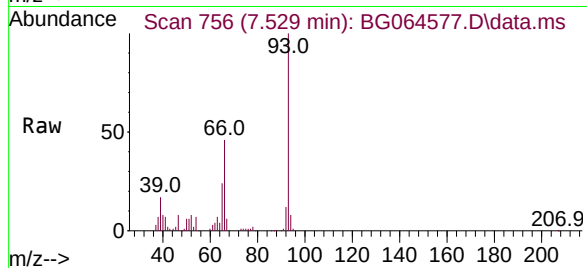
Tgt Ion: 94 Resp: 122412
Ion Ratio Lower Upper
94 100
65 34.6 15.8 55.8
66 45.6 24.0 64.0





#11
bis(2-Chloroethyl)ether
Concen: 38.118 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

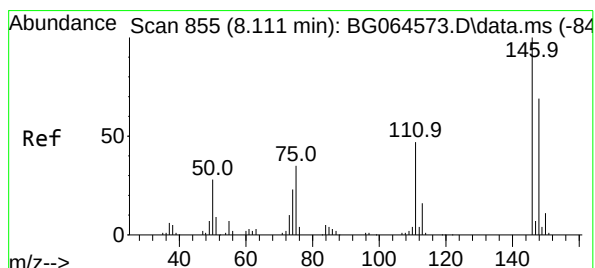
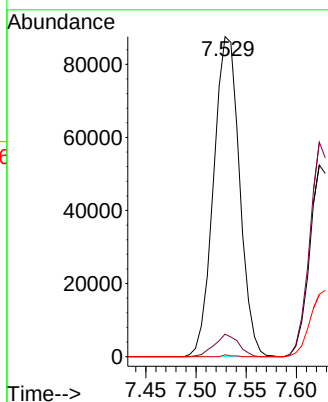
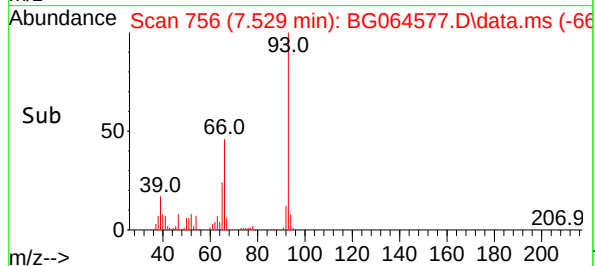
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion: 93 Resp: 157683
Ion Ratio Lower Upper
93 100
63 7.0 0.0 27.4
95 0.6 0.0 20.2

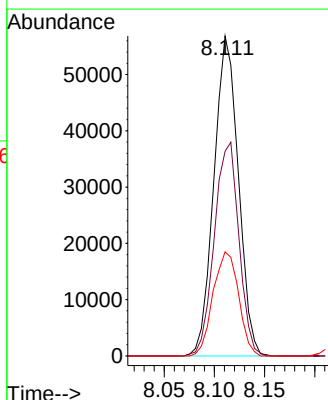
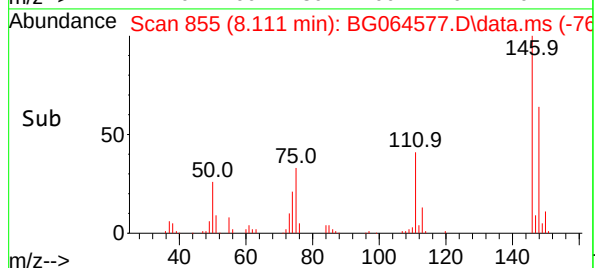
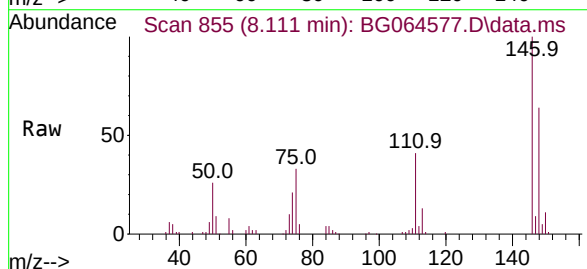
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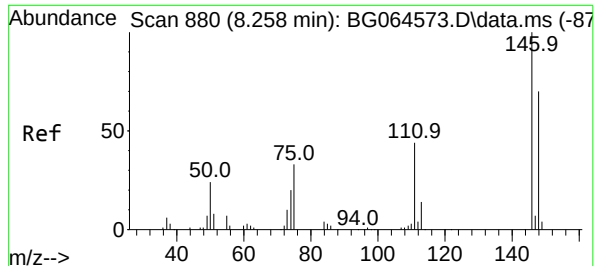
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#12
1,3-Dichlorobenzene
Concen: 36.085 ng
RT: 8.111 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:146 Resp: 96308
Ion Ratio Lower Upper
146 100
148 63.9 55.3 82.9
75 32.5 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 37.635 ng

RT: 8.257 min Scan# 880

Delta R.T. 0.002 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

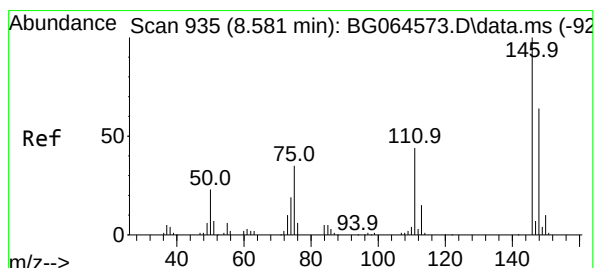
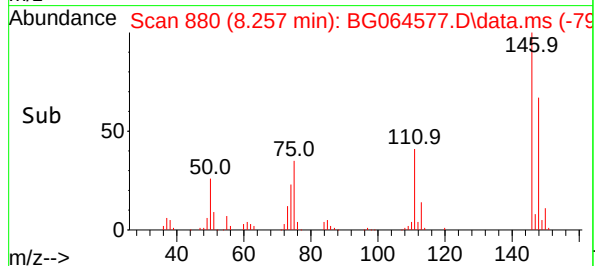
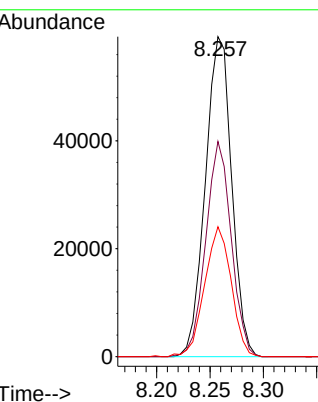
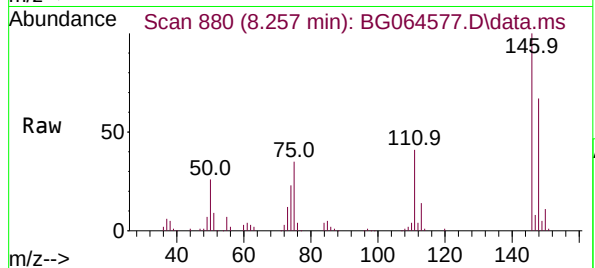
111 40.6 35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#14

1,2-Dichlorobenzene

Concen: 36.924 ng

RT: 8.581 min Scan# 935

Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

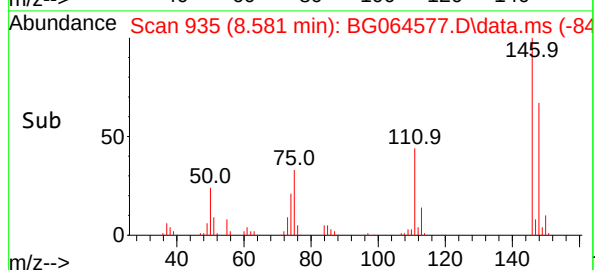
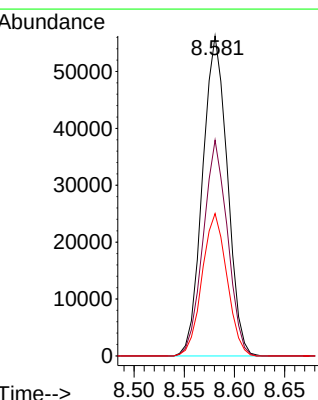
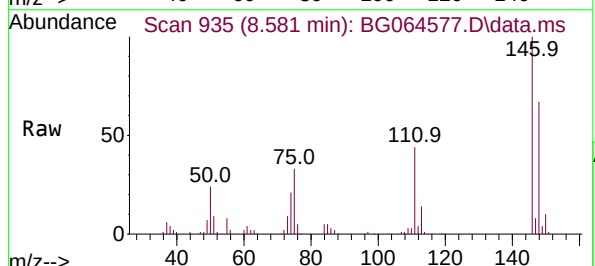
Tgt Ion:146 Resp: 96651

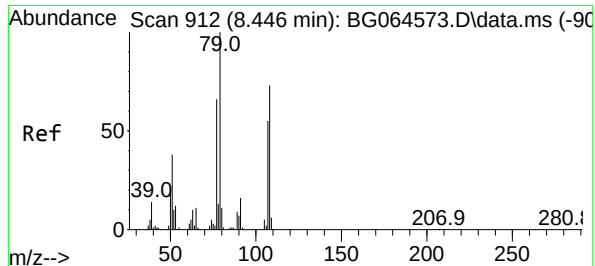
Ion Ratio Lower Upper

146 100

148 67.4 51.5 77.3

111 44.5 35.0 52.6





#15

Benzyl Alcohol

Concen: 37.995 ng

RT: 8.445 min Scan# 912

Delta R.T. -0.010 min

Lab File: BG064577.D

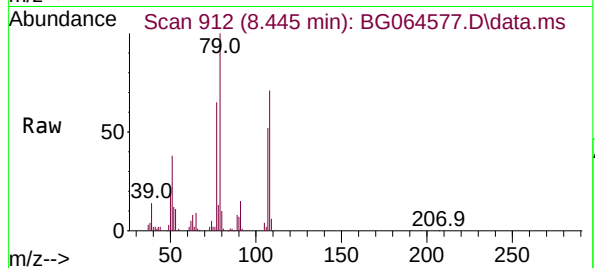
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425



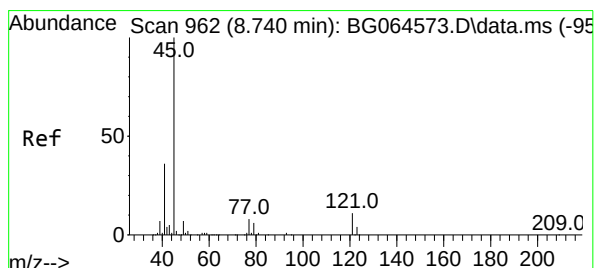
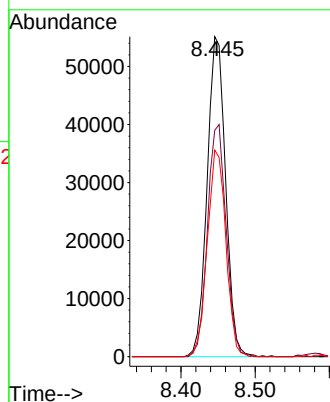
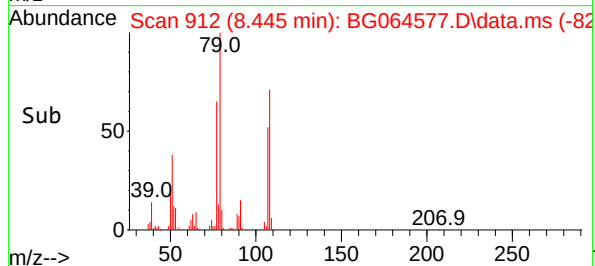
Tgt Ion:	79	Resp:	95250
Ion	Ratio	Lower	Upper
79	100		
108	70.7	58.1	87.1
77	64.5	52.8	79.2

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#16

2,2'-oxybis(1-Chloropropane)

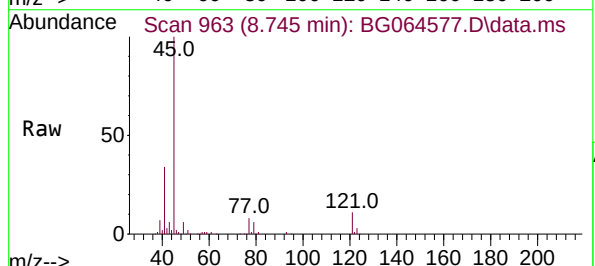
Concen: 36.163 ng

RT: 8.745 min Scan# 963

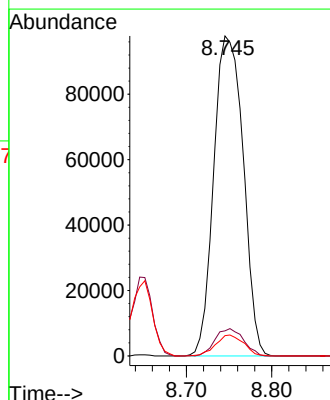
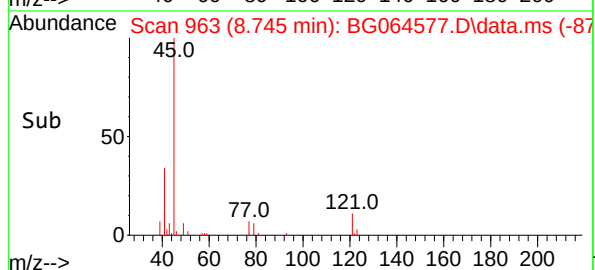
Delta R.T. 0.002 min

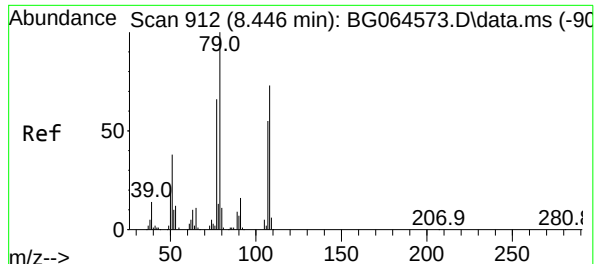
Lab File: BG064577.D

Acq: 24 Oct 2025 16:47



Tgt Ion:	45	Resp:	234476
Ion	Ratio	Lower	Upper
45	100		
77	7.8	0.0	28.5
79	6.3	0.0	25.6





#17

2-Methylphenol

Concen: 38.945 ng

RT: 8.445 min Scan# 912

Delta R.T. -0.004 min

Lab File: BG064577.D

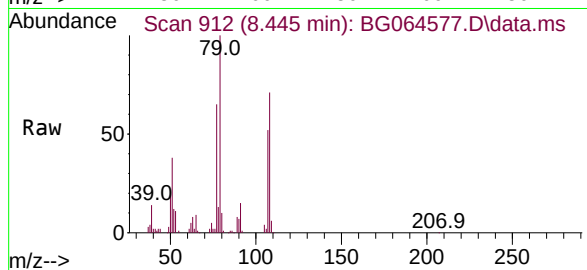
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425



Tgt Ion:107 Resp: 48801

Ion Ratio Lower Upper

107 100

108 137.1 106.4 159.6

77 125.1 96.7 145.1

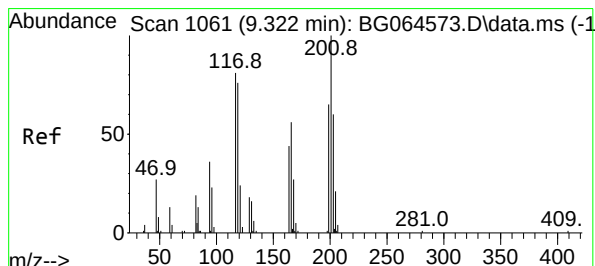
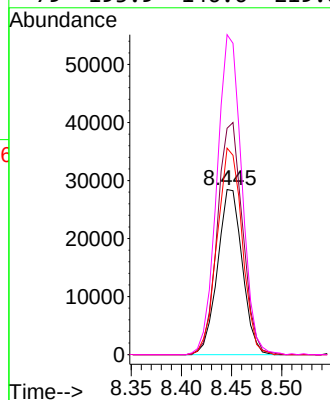
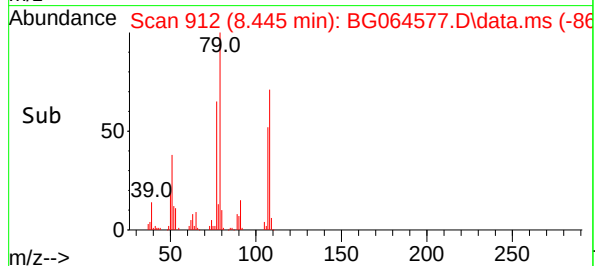
79 193.9 146.6 219.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#18

Hexachloroethane

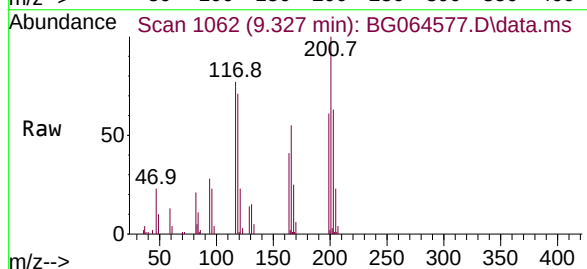
Concen: 35.743 ng

RT: 9.327 min Scan# 1062

Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47



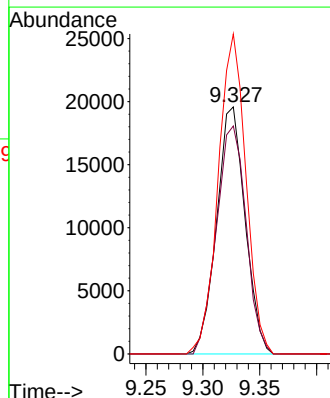
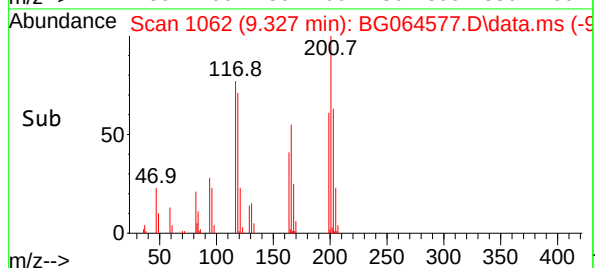
Tgt Ion:117 Resp: 34040

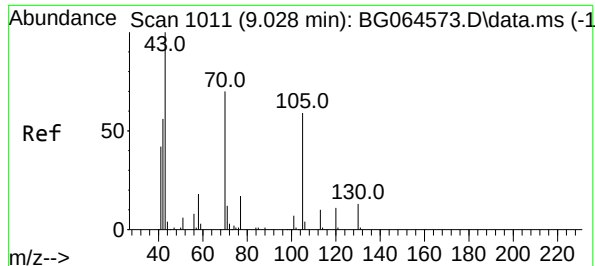
Ion Ratio Lower Upper

117 100

119 92.3 75.4 113.2

201 129.6 99.2 148.8





#19

n-Nitroso-di-n-propylamine

Concen: 39.572 ng

RT: 9.027 min Scan# 1011

Delta R.T. -0.004 min

Lab File: BG064577.D

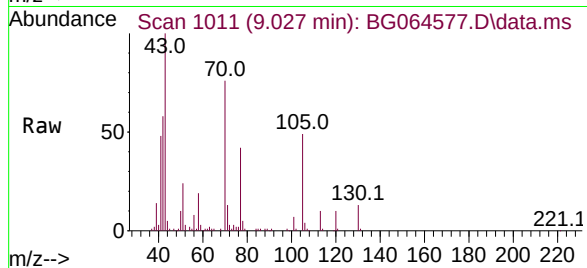
Acq: 24 Oct 2025 16:47

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

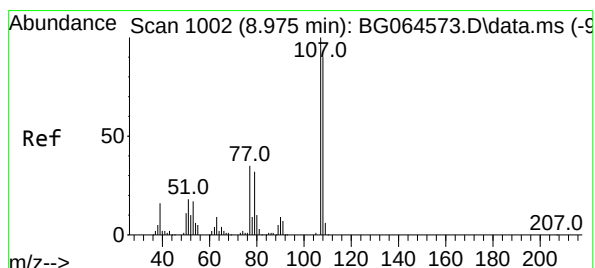
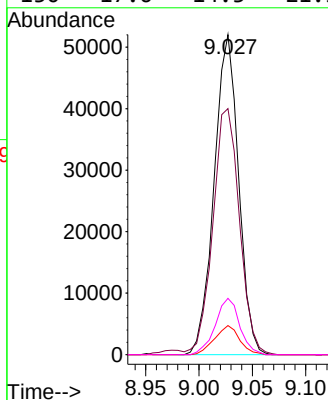
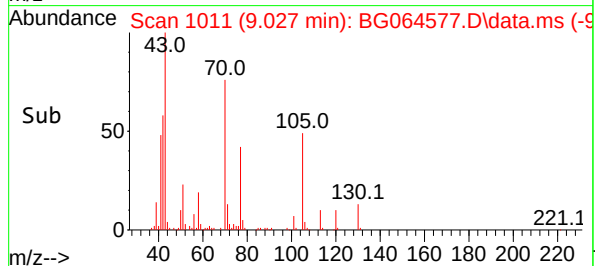
130 17.6 14.3 21.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#20

3+4-Methylphenols

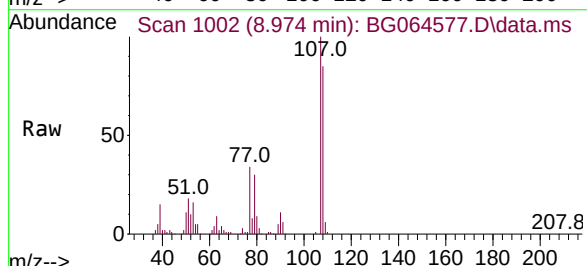
Concen: 37.882 ng

RT: 8.974 min Scan# 1002

Delta R.T. -0.010 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47



Tgt Ion:107 Resp: 118917

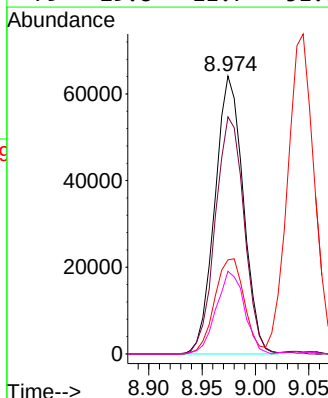
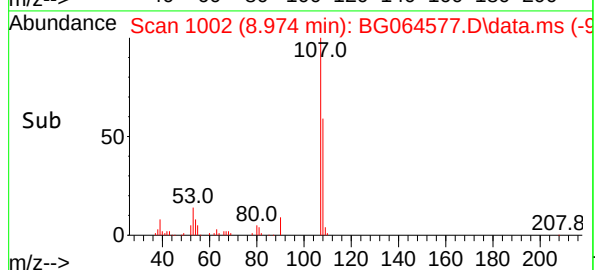
Ion Ratio Lower Upper

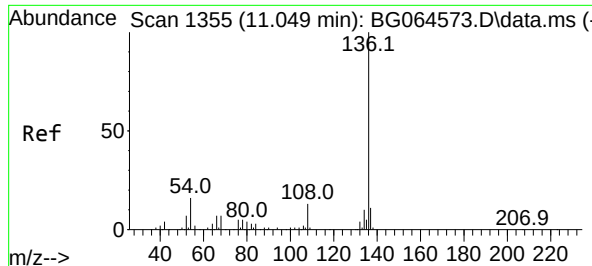
107 100

108 85.3 70.3 110.3

77 33.8 14.6 54.6

79 29.8 11.7 51.7





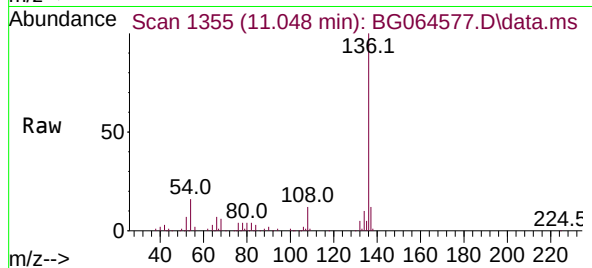
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.048 min Scan# 1355
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

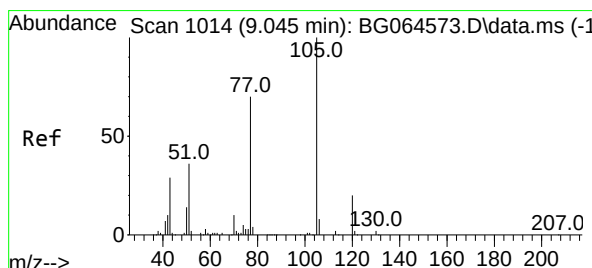
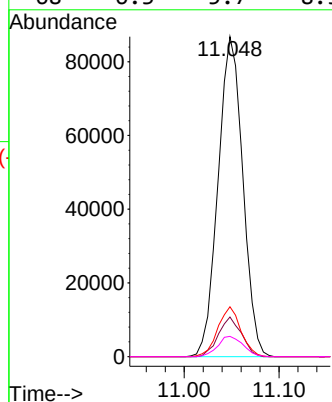
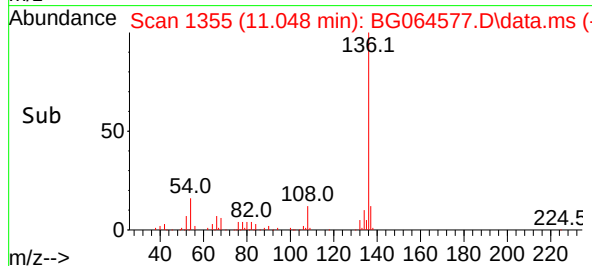


Tgt Ion:136 Resp: 157125
Ion Ratio Lower Upper
136 100
137 12.4 9.2 13.8
54 15.6 12.6 19.0
68 6.3 5.7 8.5

Manual Integrations

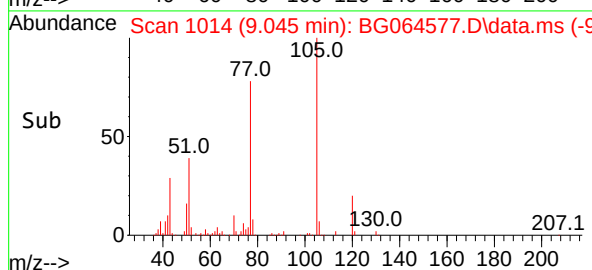
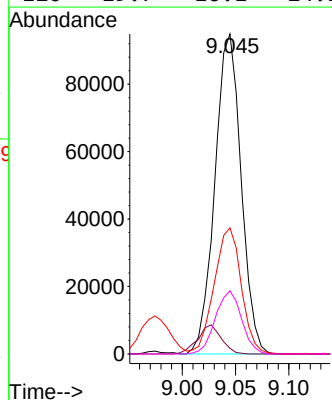
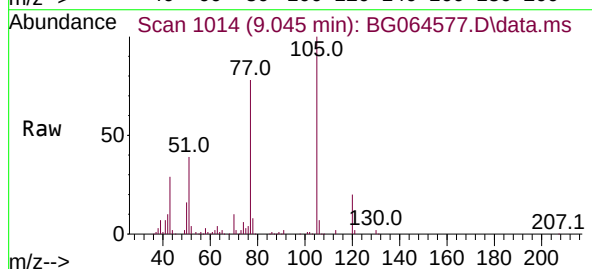
APPROVED

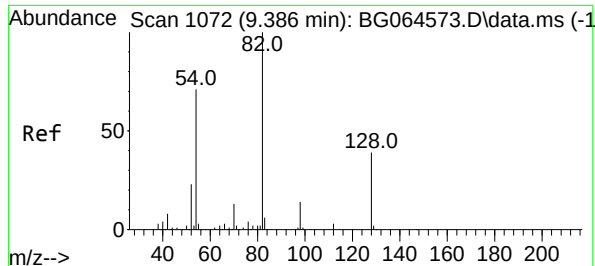
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#22
Acetophenone
Concen: 37.806 ng
RT: 9.045 min Scan# 1014
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:105 Resp: 162385
Ion Ratio Lower Upper
105 100
71 1.7 1.5 2.3
51 39.4 33.7 50.5
120 19.7 16.1 24.1





#23

Nitrobenzene-d5

Concen: 76.738 ng

RT: 9.386 min Scan# 1072

Delta R.T. -0.005 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

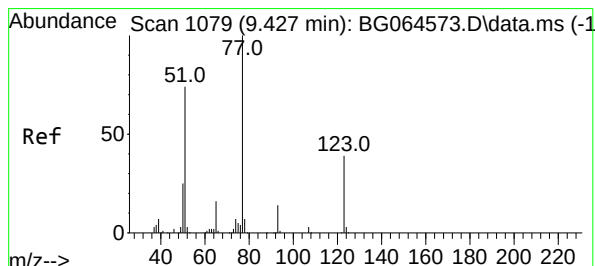
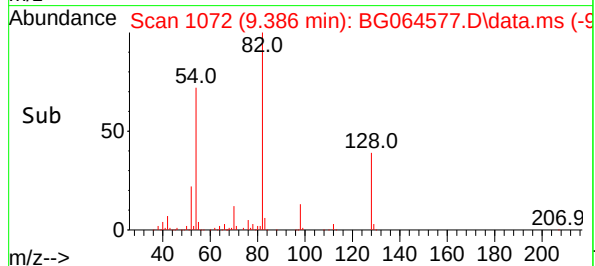
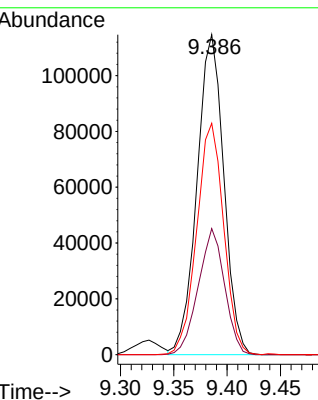
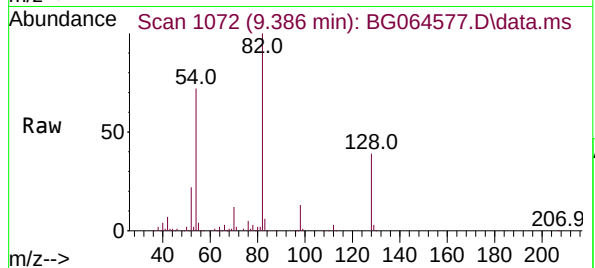
54 72.3 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#24

Nitrobenzene

Concen: 39.305 ng

RT: 9.427 min Scan# 1079

Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

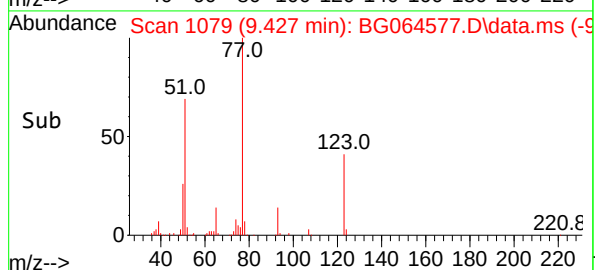
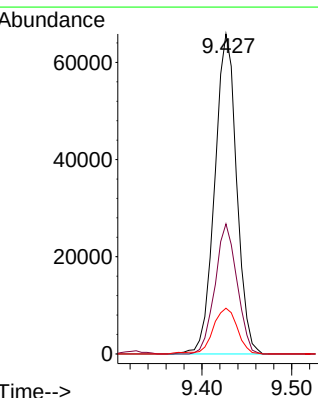
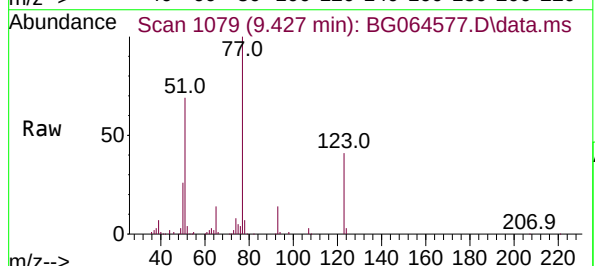
Tgt Ion: 77 Resp: 111836

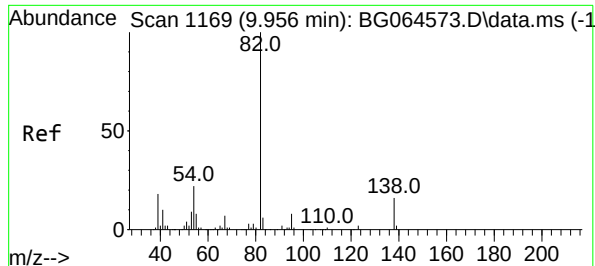
Ion Ratio Lower Upper

77 100

123 40.6 31.0 46.6

65 14.3 12.7 19.1





#25
Isophorone
Concen: 37.733 ng
RT: 9.955 min Scan# 1169
Delta R.T. -0.011 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

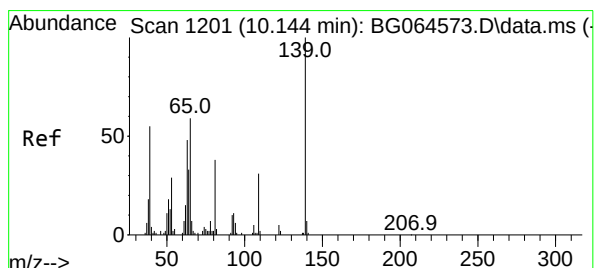
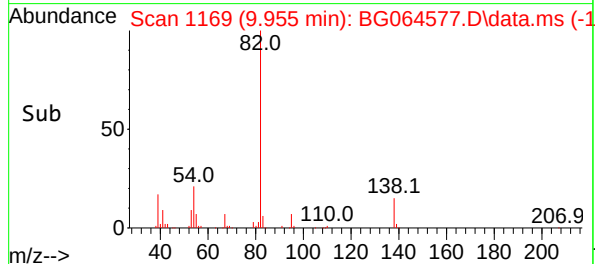
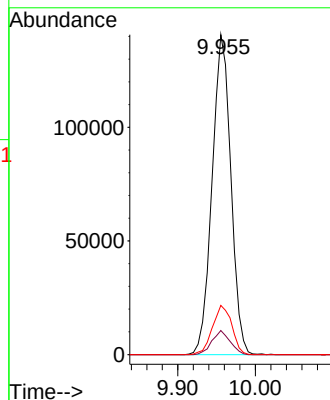
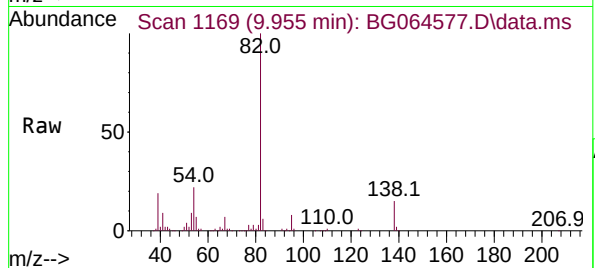
ICVBG102425

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

Manual Integrations

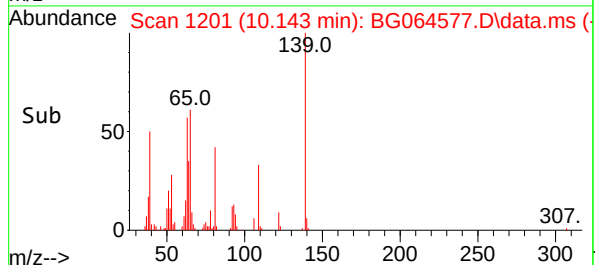
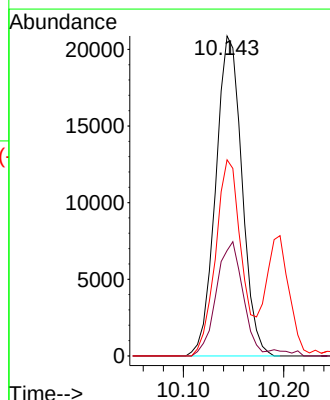
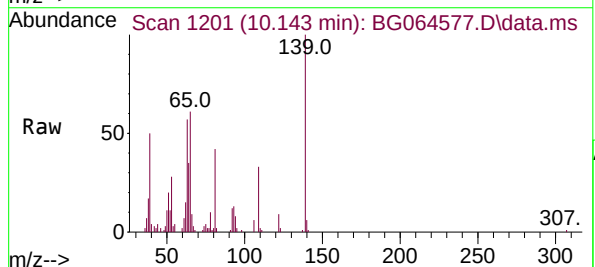
APPROVED

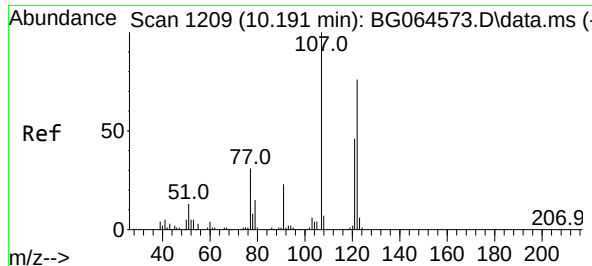
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#26
2-Nitrophenol
Concen: 35.498 ng
RT: 10.143 min Scan# 1201
Delta R.T. -0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

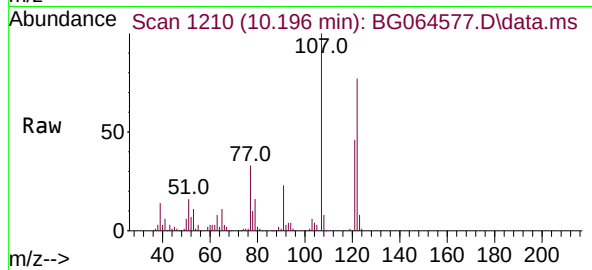
Tgt Ion:139 Resp: 38013
Ion Ratio Lower Upper
139 100
109 32.9 24.6 37.0
65 61.3 47.5 71.3





#27
2,4-Dimethylphenol
Concen: 41.336 ng m
RT: 10.196 min Scan# 1210
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

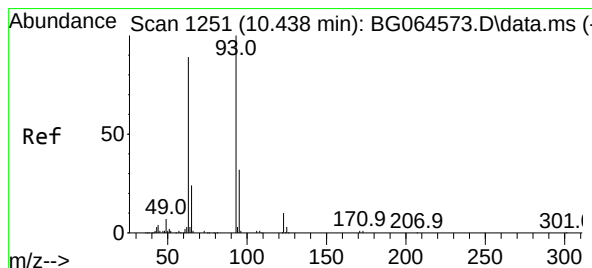
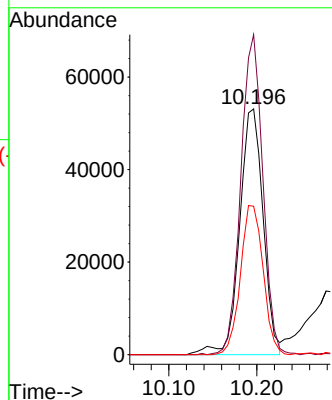
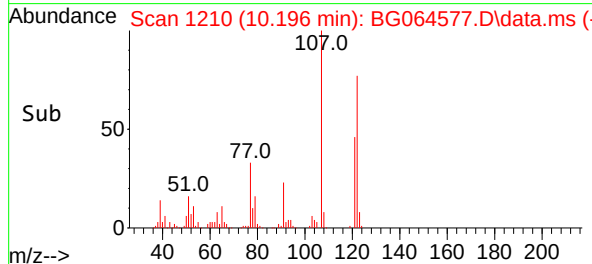
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion:122 Resp: 98450
Ion Ratio Lower Upper
122 100
107 130.3 103.0 154.4
121 60.4 47.8 71.8

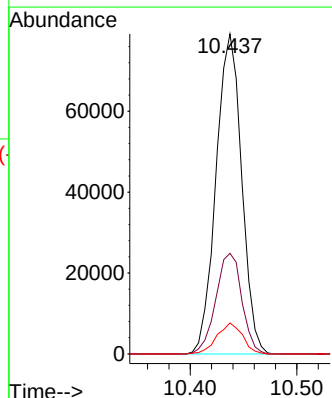
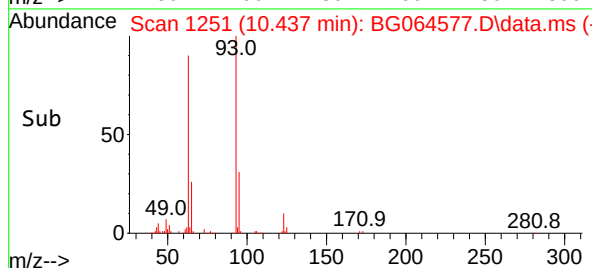
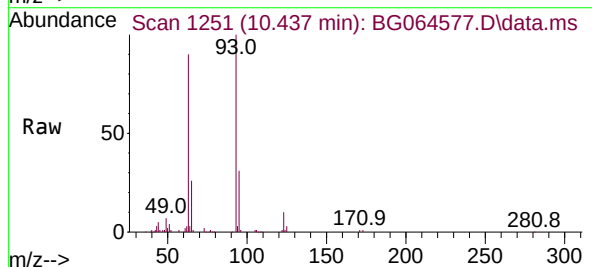
Manual Integrations
APPROVED

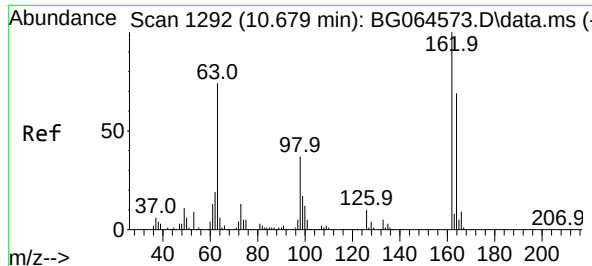
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#28
bis(2-Chloroethoxy)methane
Concen: 36.953 ng
RT: 10.437 min Scan# 1251
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 93 Resp: 132072
Ion Ratio Lower Upper
93 100
95 31.4 25.4 38.2
123 9.7 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 38.190 ng

RT: 10.684 min Scan# 1293

Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

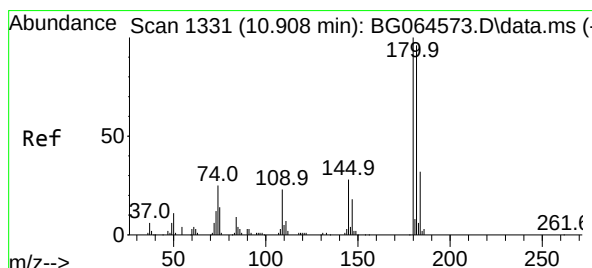
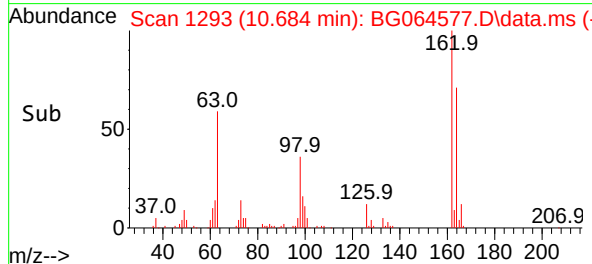
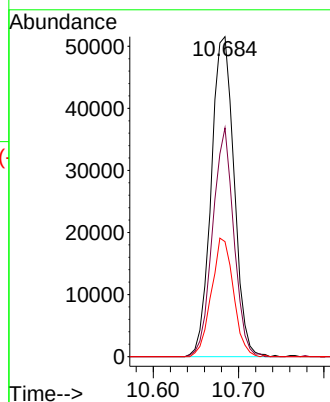
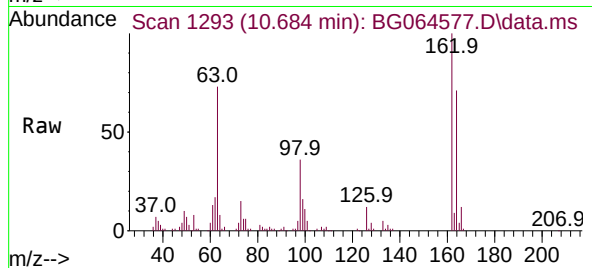
ICVBG102425

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

Manual Integrations

APPROVED

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



#30

1,2,4-Trichlorobenzene

Concen: 37.945 ng

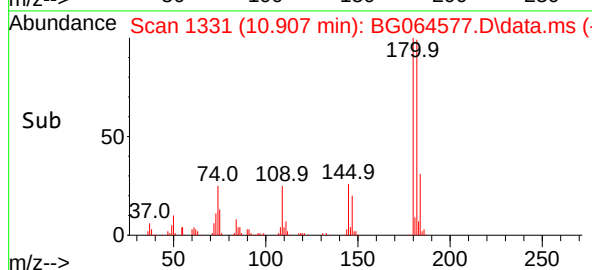
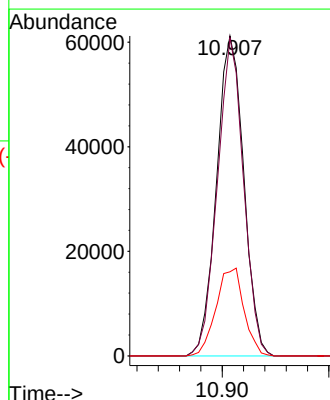
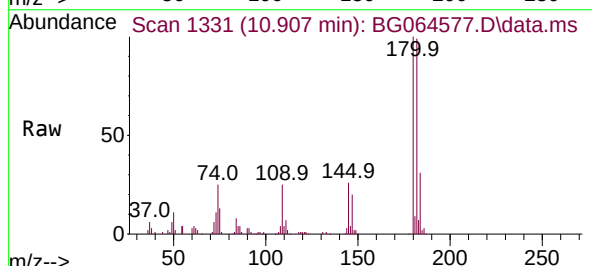
RT: 10.907 min Scan# 1331

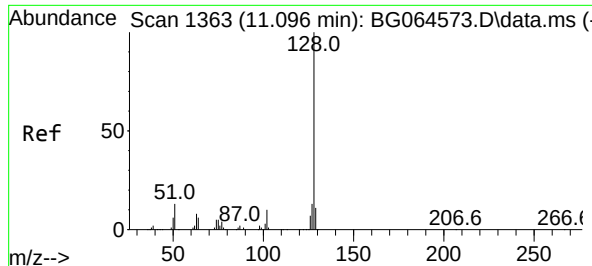
Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

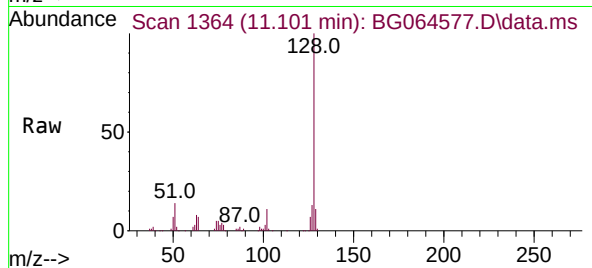
Tgt Ion:180	Resp:	108339
Ion Ratio	Lower	Upper
180	100	
182	99.3	76.9 115.3
145	26.3	22.1 33.1





#31
Naphthalene
Concen: 35.709 ng
RT: 11.101 min Scan# 1364
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

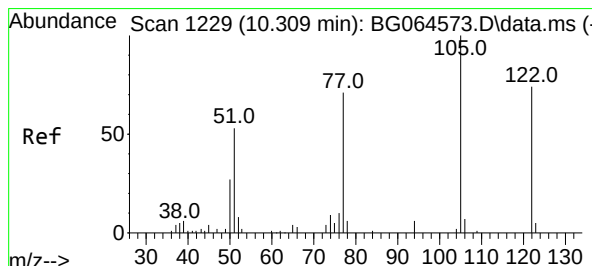
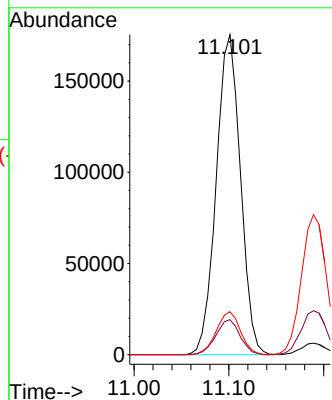
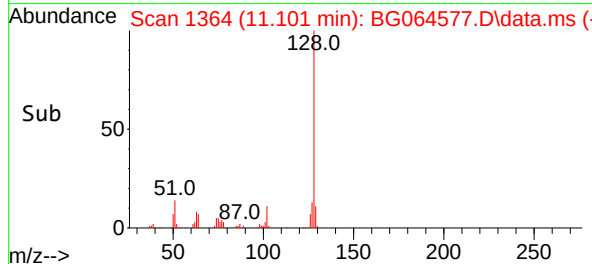
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



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

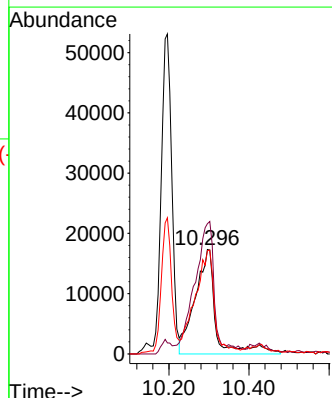
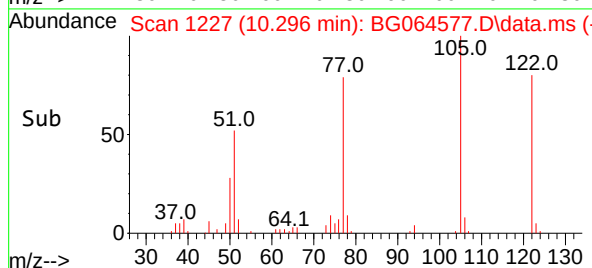
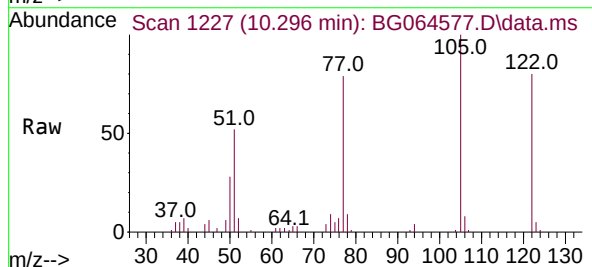
Manual Integrations
APPROVED

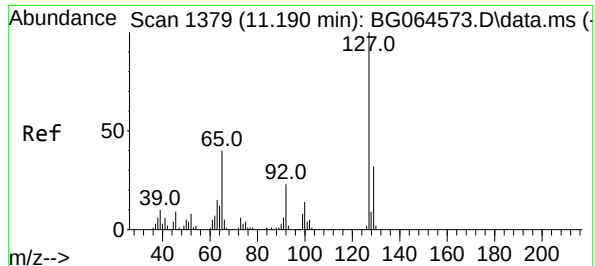
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#32
Benzoic acid
Concen: 37.924 ng m
RT: 10.296 min Scan# 1227
Delta R.T. -0.046 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:122 Resp: 62191
Ion Ratio Lower Upper
122 100
105 124.6 104.2 144.2
77 98.8 70.2 110.2





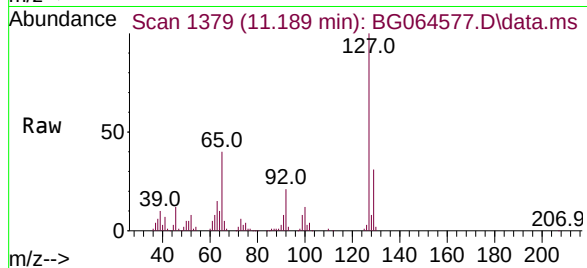
#33
4-Chloroaniline
Concen: 41.287 ng
RT: 11.189 min Scan# 1379
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

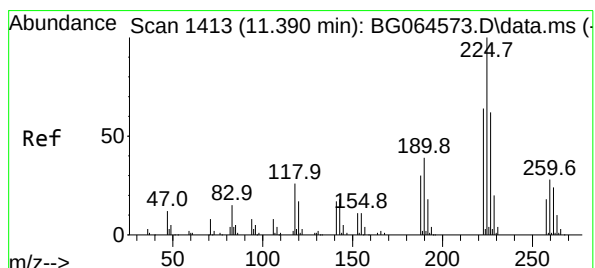
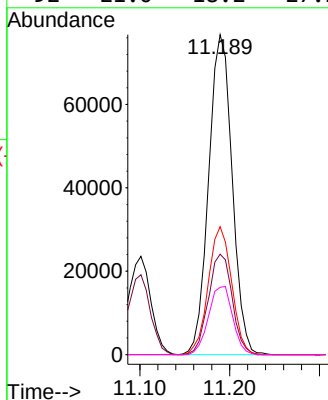
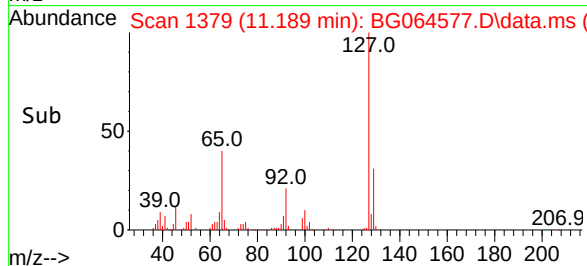


Tgt Ion:127 Resp: 139799
Ion Ratio Lower Upper
127 100
129 31.4 25.5 38.3
65 40.0 32.2 48.4
92 21.0 18.2 27.2

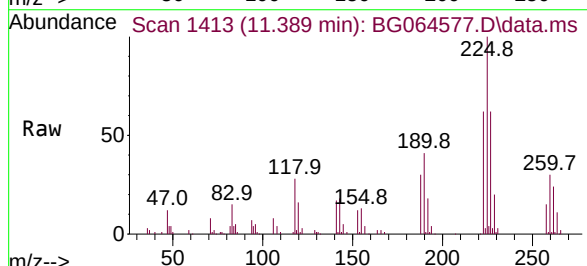
Manual Integrations

APPROVED

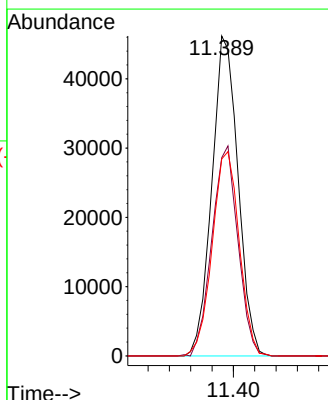
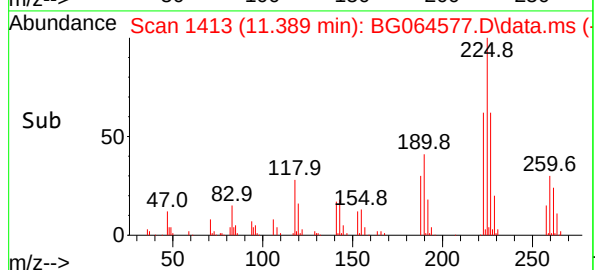
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

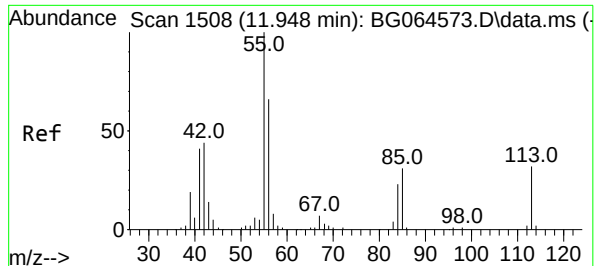


#34
Hexachlorobutadiene
Concen: 35.242 ng
RT: 11.389 min Scan# 1413
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



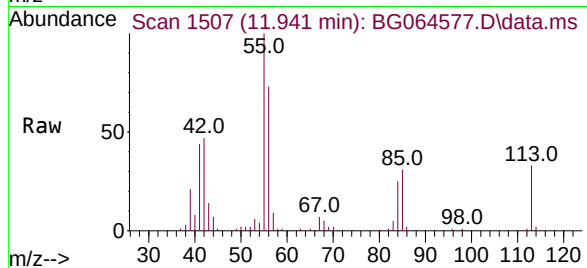
Tgt Ion:225 Resp: 78691
Ion Ratio Lower Upper
225 100
223 59.7 48.8 73.2
227 59.3 49.5 74.3





#35
 Caprolactam
 Concen: 36.326 ng
 RT: 11.941 min Scan# 1508
 Delta R.T. -0.034 min
 Lab File: BG064577.D
 Acq: 24 Oct 2025 16:47

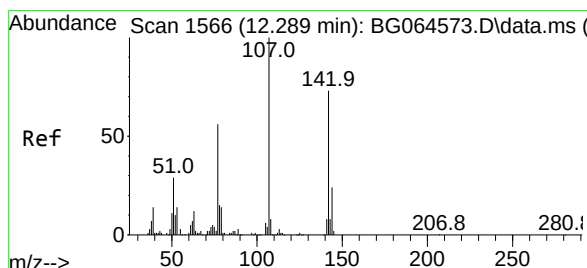
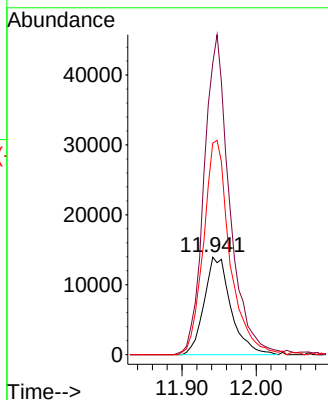
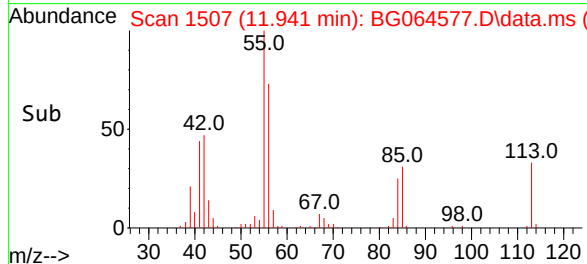
Instrument :
 BNA_G
 ClientSampleId :
 ICVBG102425



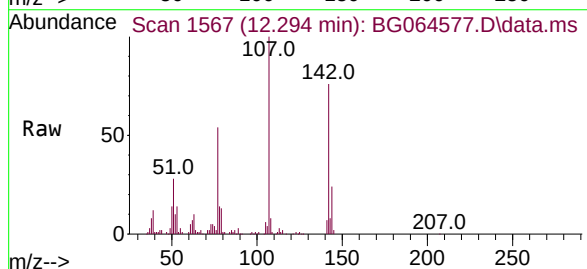
Tgt Ion:113 Resp: 3501
 Ion Ratio Lower Upper
 113 100
 55 299.0 290.1 330.1
 56 217.0 183.8 223.8

Manual Integrations
 APPROVED

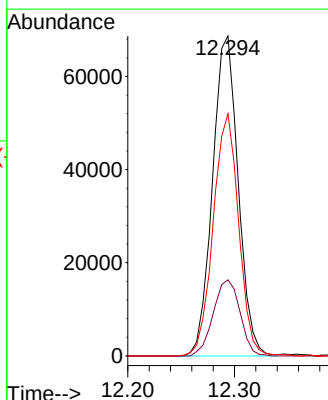
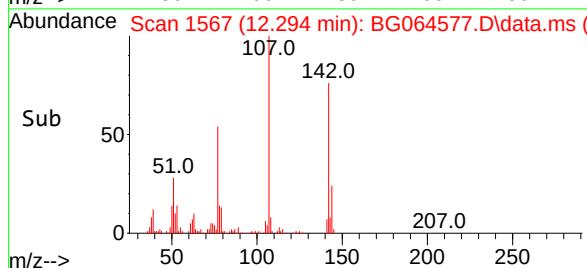
Reviewed By :Rahul Chavli 10/27/2025
 Supervised By :Jagrut Upadhyay 10/27/2025

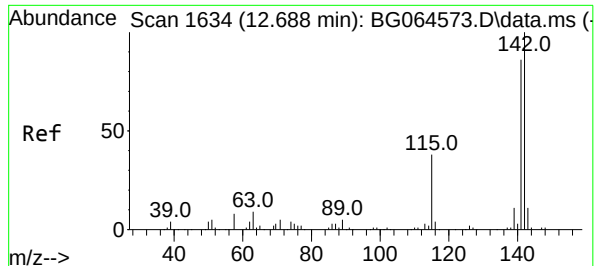


#36
 4-Chloro-3-methylphenol
 Concen: 38.049 ng
 RT: 12.294 min Scan# 1567
 Delta R.T. -0.004 min
 Lab File: BG064577.D
 Acq: 24 Oct 2025 16:47



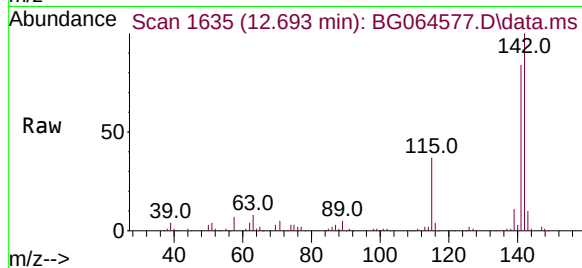
Tgt Ion:107 Resp: 114927
 Ion Ratio Lower Upper
 107 100
 144 23.8 19.1 28.7
 142 75.7 58.6 87.8





#37
2-Methylnaphthalene
Concen: 33.388 ng
RT: 12.693 min Scan# 1635
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

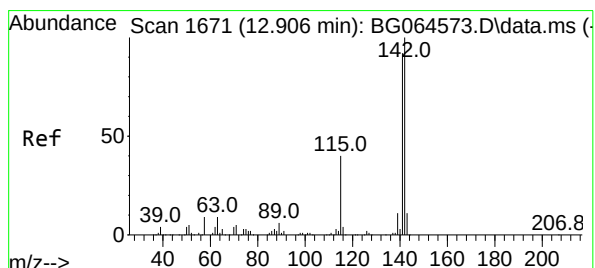
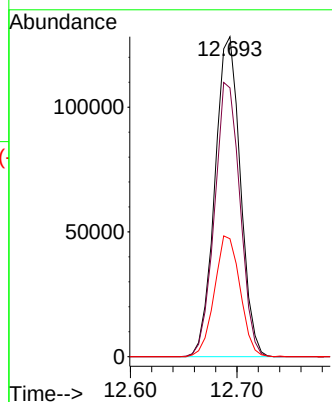
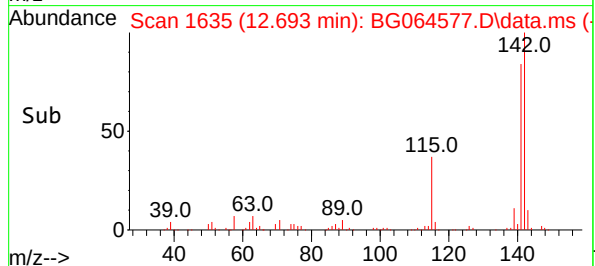
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



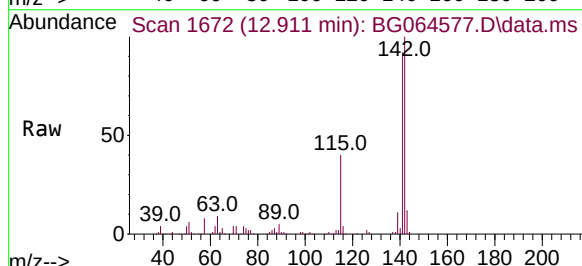
Tgt Ion:142 Resp: 213545
Ion Ratio Lower Upper
142 100
141 84.0 68.9 103.3
115 36.8 30.6 46.0

Manual Integrations
APPROVED

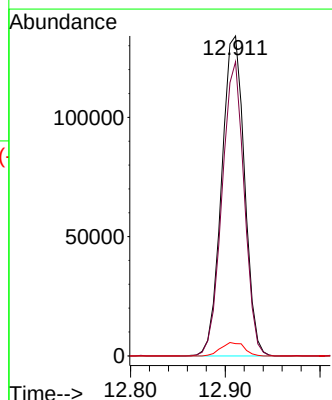
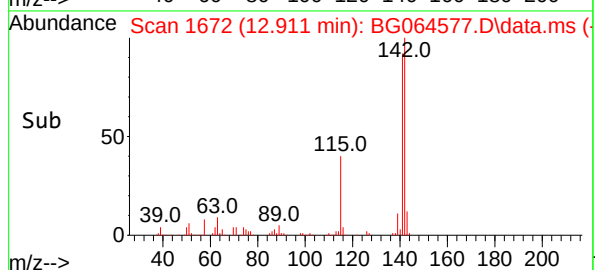
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

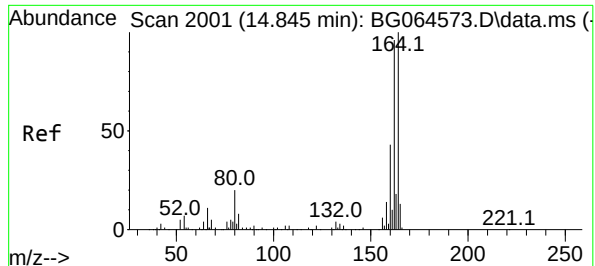


#38
1-Methylnaphthalene
Concen: 35.729 ng
RT: 12.911 min Scan# 1672
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



Tgt Ion:142 Resp: 224857
Ion Ratio Lower Upper
142 100
141 91.9 73.3 109.9
116 3.8 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.844 min Scan# 2001

Delta R.T. 0.002 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

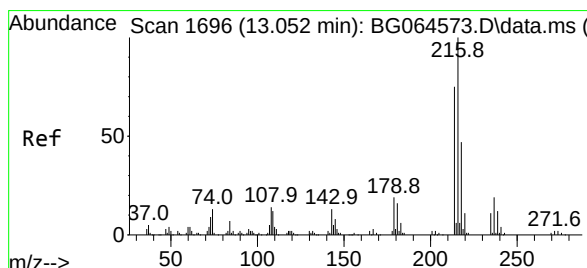
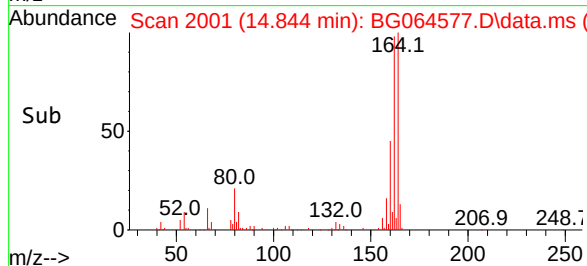
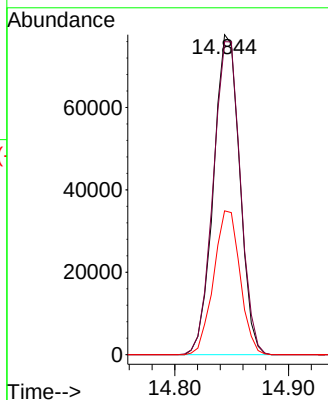
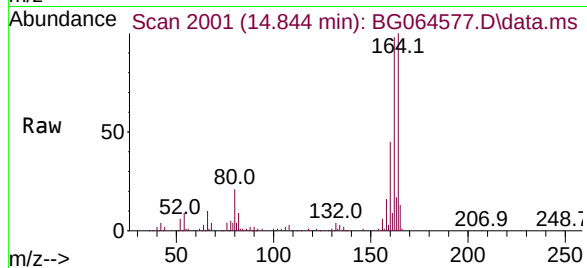
160 44.9 34.4 51.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.146 ng

RT: 13.052 min Scan# 1696

Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Tgt Ion:216 Resp: 154838

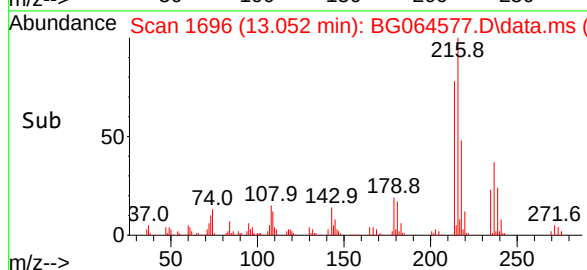
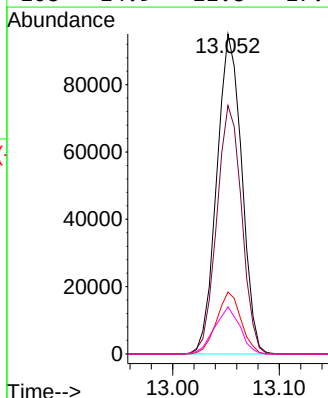
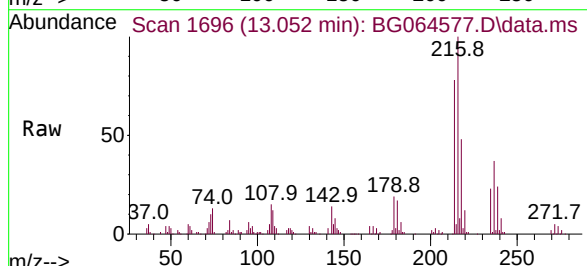
Ion Ratio Lower Upper

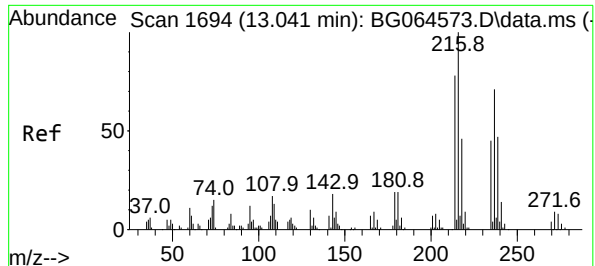
216 100

214 77.4 61.4 92.2

179 18.9 15.4 23.0

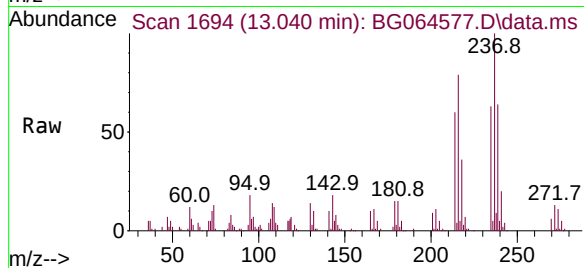
108 14.9 11.8 17.6





#41
Hexachlorocyclopentadiene
Concen: 50.669 ng
RT: 13.040 min Scan# 1694
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

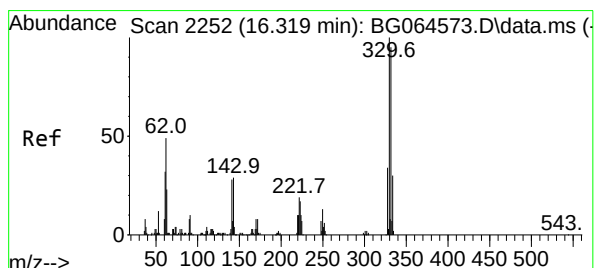
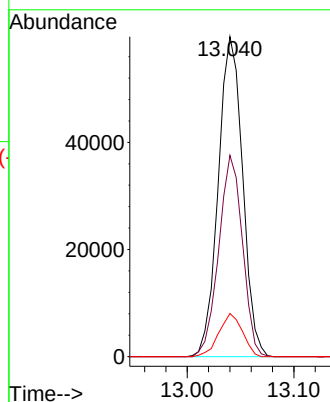
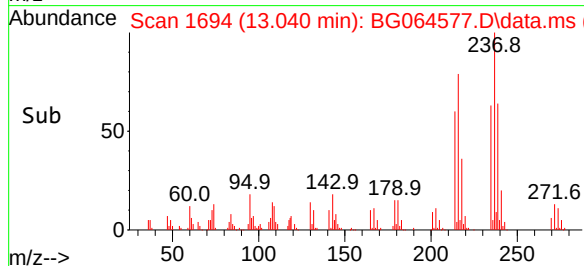
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion: 237 Resp: 95065
Ion Ratio Lower Upper
237 100
235 62.9 44.1 84.1
272 13.5 0.0 32.4

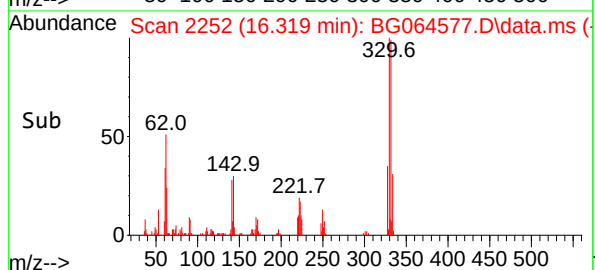
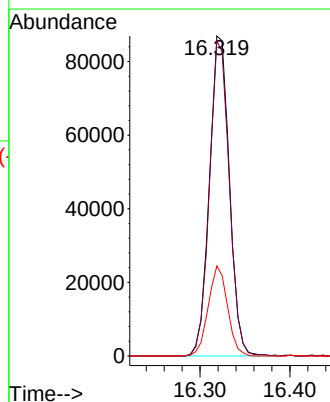
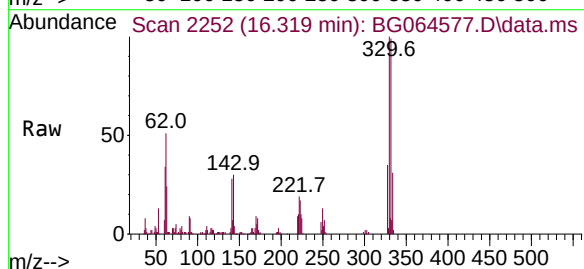
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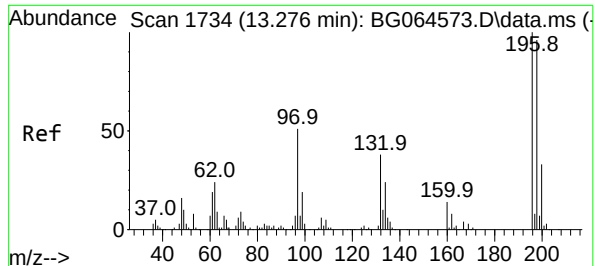
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#42
2,4,6-Tribromophenol
Concen: 75.074 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 330 Resp: 134578
Ion Ratio Lower Upper
330 100
332 97.4 78.0 117.0
141 27.0 21.8 32.6





#43

2,4,6-Trichlorophenol

Concen: 38.726 ng

RT: 13.281 min Scan# 1735

Delta R.T. 0.002 min

Lab File: BG064577.D

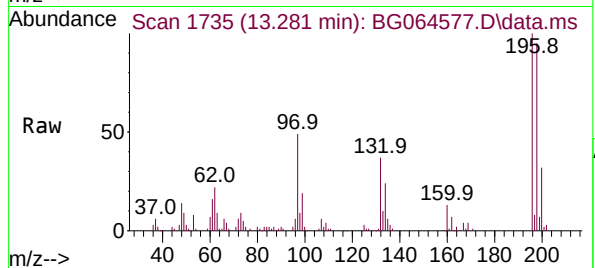
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425



Tgt Ion:196 Resp: 92335

Ion Ratio Lower Upper

196 100

198 94.8 76.6 115.0

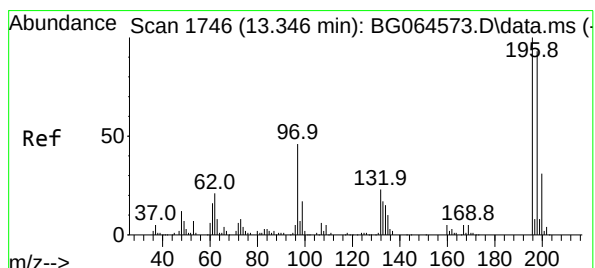
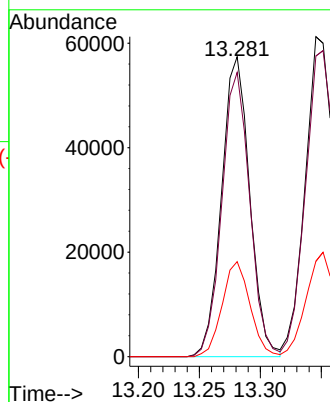
200 31.7 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#44

2,4,5-Trichlorophenol

Concen: 37.228 ng

RT: 13.346 min Scan# 1746

Delta R.T. -0.004 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

Tgt Ion:196 Resp: 102433

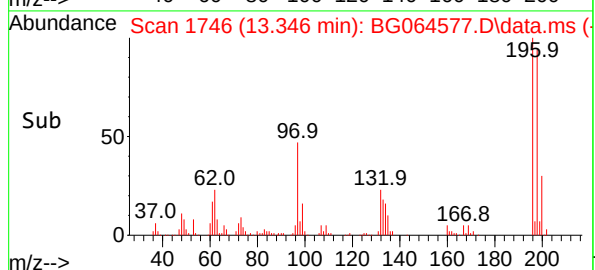
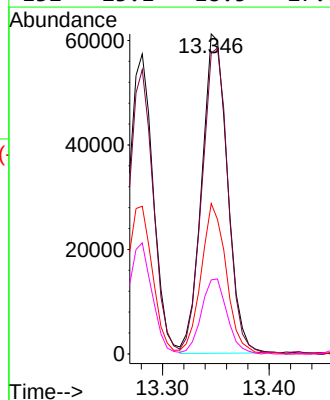
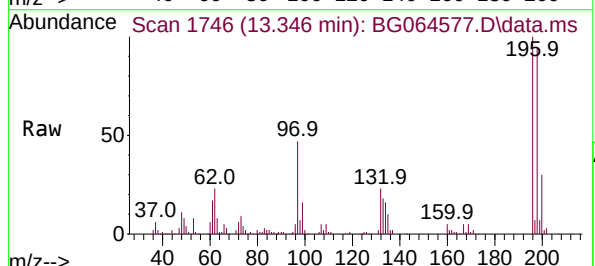
Ion Ratio Lower Upper

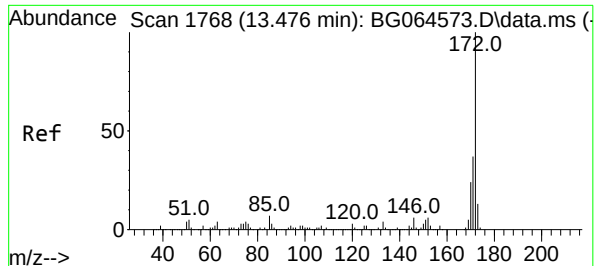
196 100

198 93.9 74.2 111.4

97 47.0 37.0 55.6

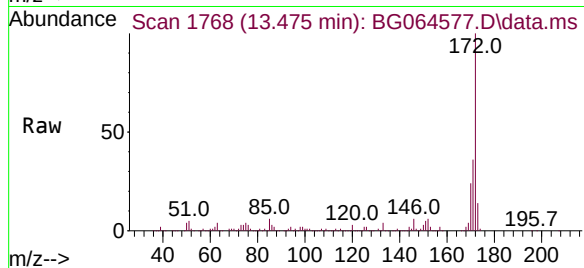
132 23.1 18.5 27.7





#45
2-Fluorobiphenyl
Concen: 72.599 ng
RT: 13.475 min Scan# 1768
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

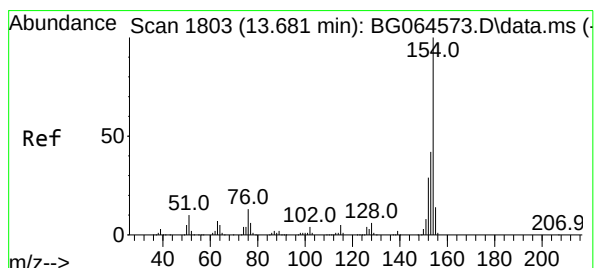
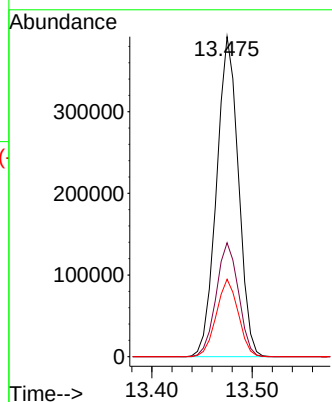
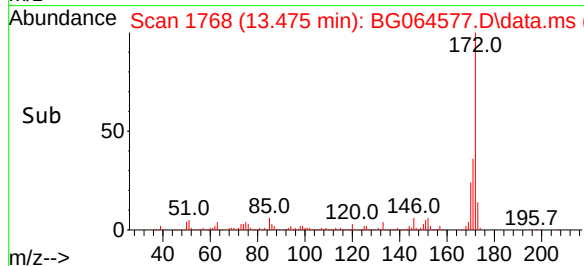
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



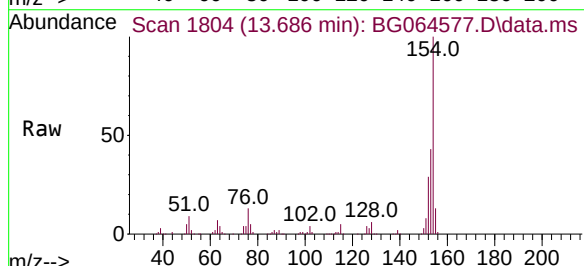
Tgt Ion:172 Resp: 59488
Ion Ratio Lower Upper
172 100
171 35.6 29.4 44.0
170 24.2 19.1 28.7

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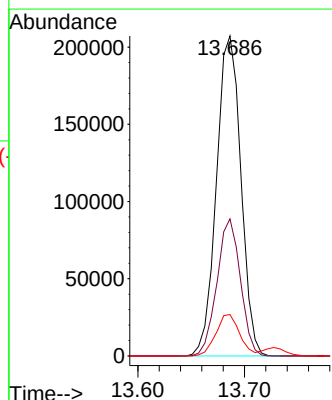
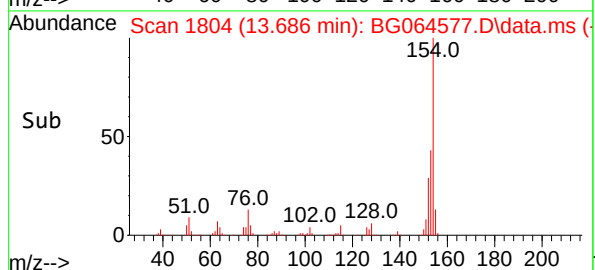
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

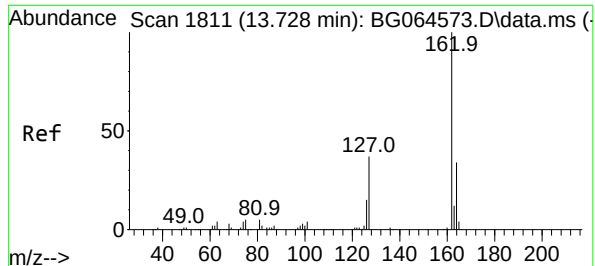


#46
1,1'-Biphenyl
Concen: 37.331 ng
RT: 13.686 min Scan# 1804
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



Tgt Ion:154 Resp: 329629
Ion Ratio Lower Upper
154 100
153 42.8 22.4 62.4
76 12.9 0.0 33.5





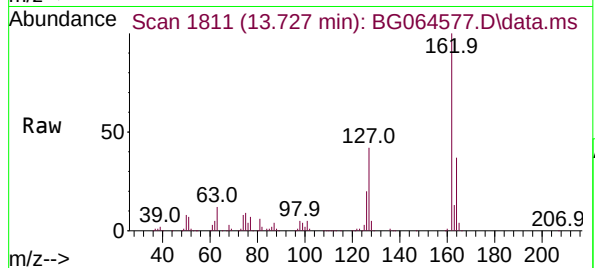
#47
2-Chloronaphthalene
Concen: 36.205 ng
RT: 13.727 min Scan# 1811
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

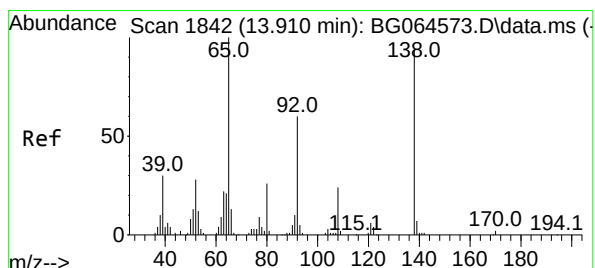
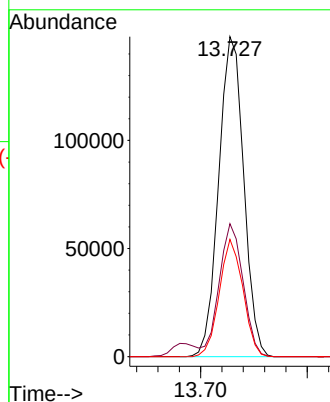
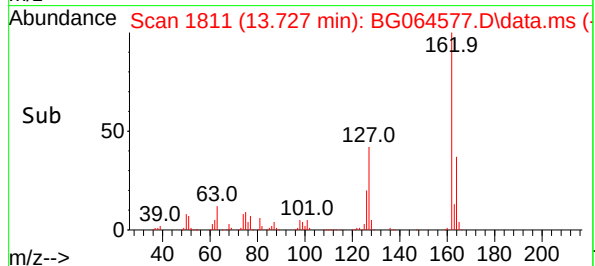


Tgt Ion:162 Resp: 241311
Ion Ratio Lower Upper
162 100
127 41.5 32.2 48.2
164 36.6 27.5 41.3

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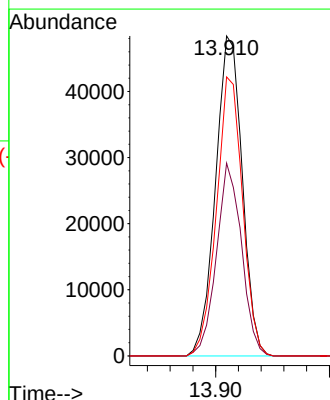
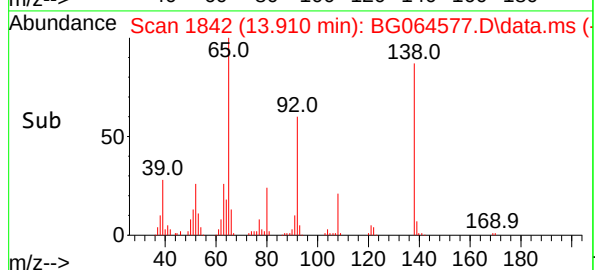
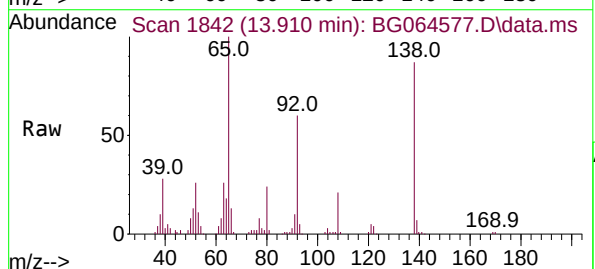
APPROVED

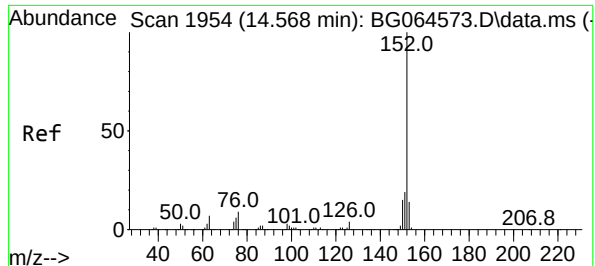
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#48
2-Nitroaniline
Concen: 36.129 ng
RT: 13.910 min Scan# 1842
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 65 Resp: 78927
Ion Ratio Lower Upper
65 100
92 60.2 48.3 72.5
138 87.2 74.9 112.3





#49

Acenaphthylene

Concen: 41.457 ng

RT: 14.568 min Scan# 1954

Delta R.T. 0.002 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

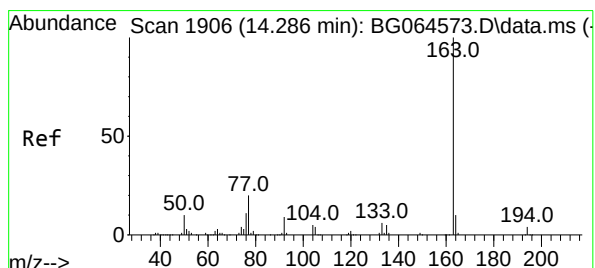
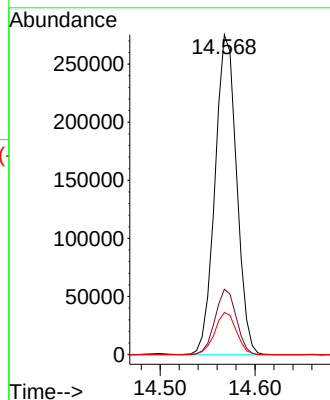
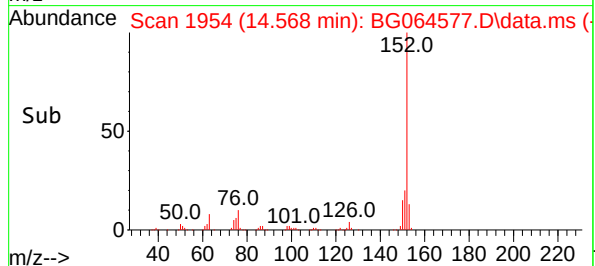
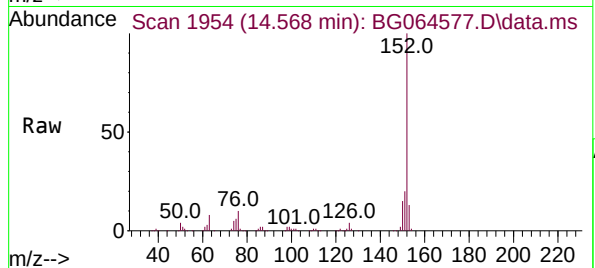
153 13.2 11.0 16.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/27/2025

Supervised By :Jagrut Upadhyay 10/27/2025



#50

Dimethylphthalate

Concen: 36.890 ng

RT: 14.292 min Scan# 1907

Delta R.T. 0.002 min

Lab File: BG064577.D

Acq: 24 Oct 2025 16:47

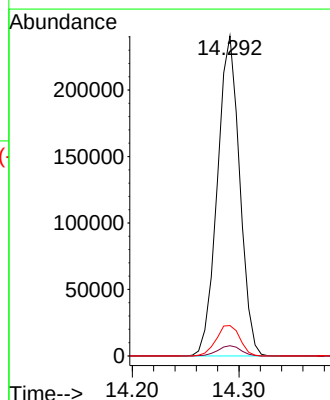
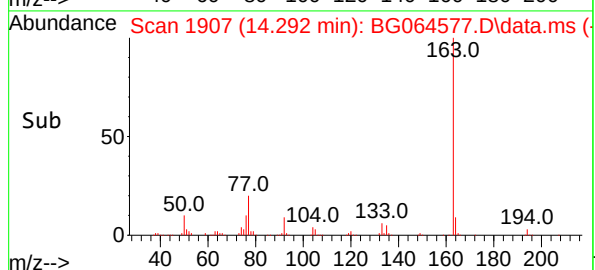
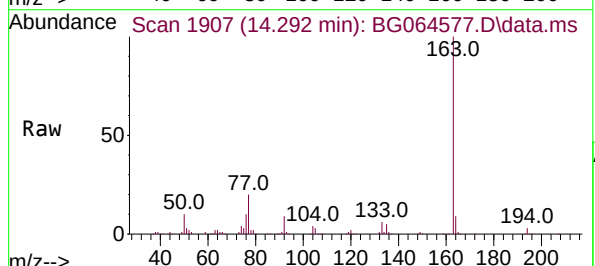
Tgt Ion:163 Resp: 350600

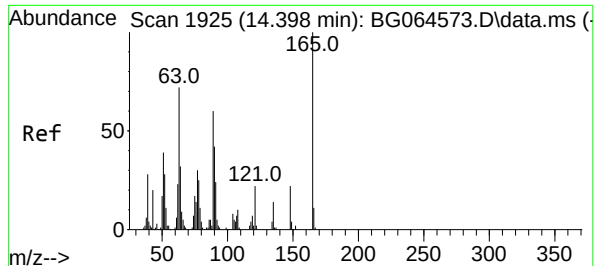
Ion Ratio Lower Upper

163 100

194 3.2 2.8 4.2

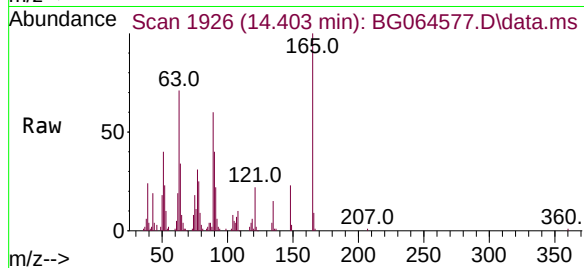
164 9.5 7.7 11.5





#51
2,6-Dinitrotoluene
Concen: 39.971 ng
RT: 14.403 min Scan# 1925
Delta R.T. 0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

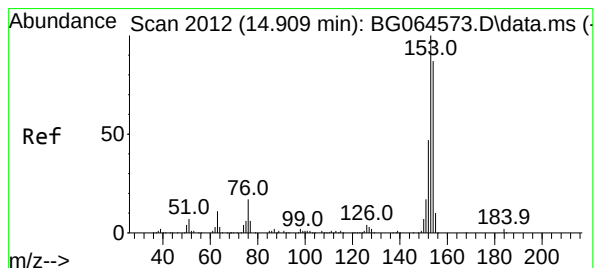
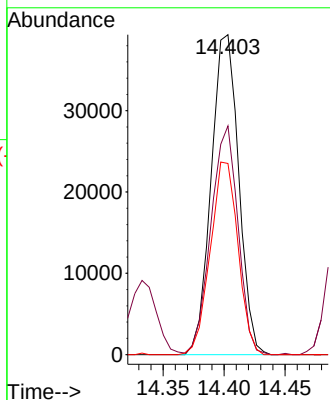
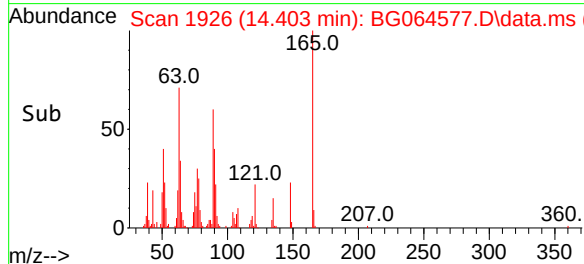
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



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

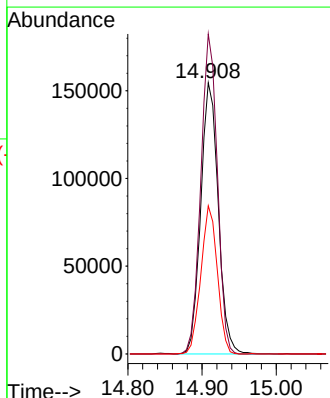
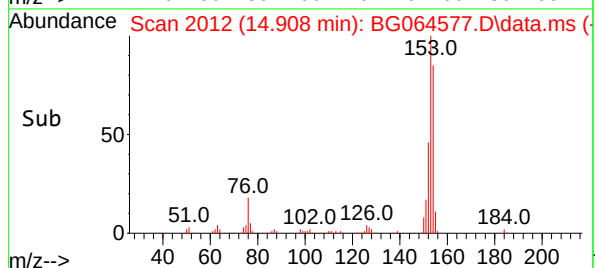
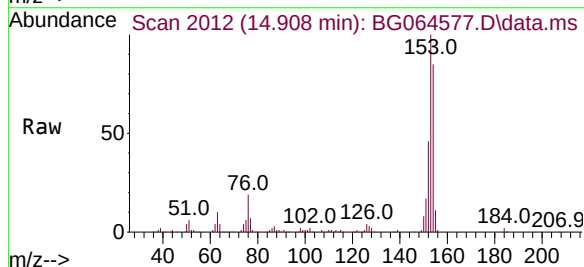
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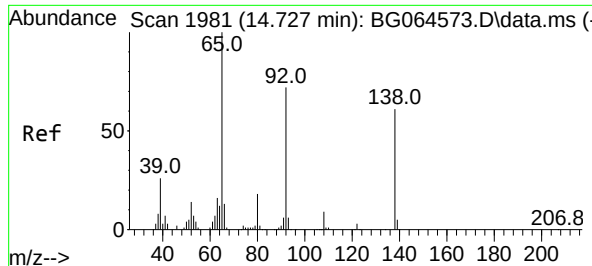
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#52
Acenaphthene
Concen: 35.340 ng
RT: 14.908 min Scan# 2012
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:154 Resp: 253833
Ion Ratio Lower Upper
154 100
153 118.0 92.2 138.4
152 54.6 43.2 64.8





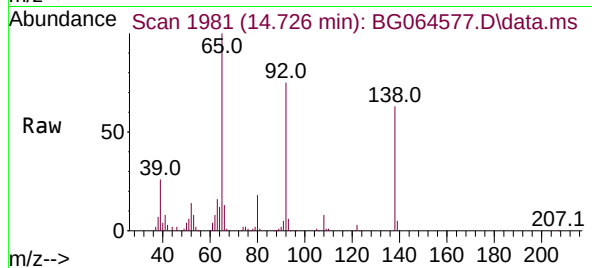
#53
3-Nitroaniline
Concen: 42.080 ng
RT: 14.726 min Scan# 1981
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

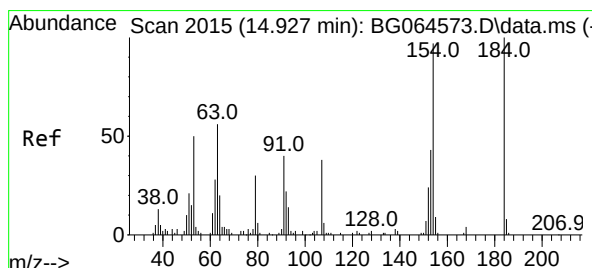
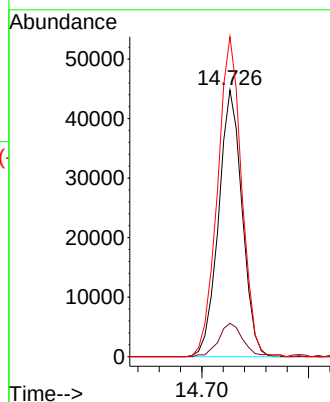
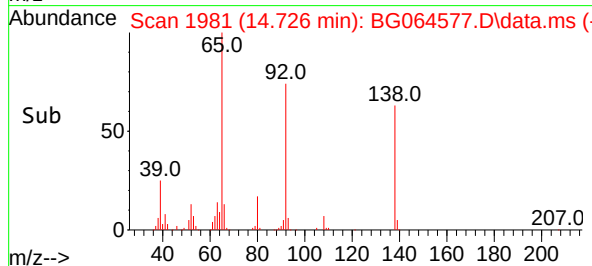


Tgt Ion:138 Resp: 68729
Ion Ratio Lower Upper
138 100
108 12.5 11.4 17.0
92 120.1 95.3 142.9

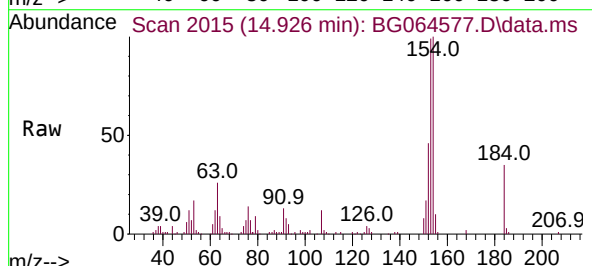
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APPROVED

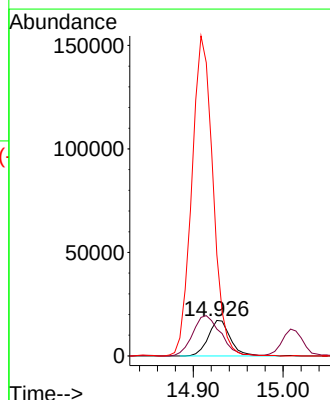
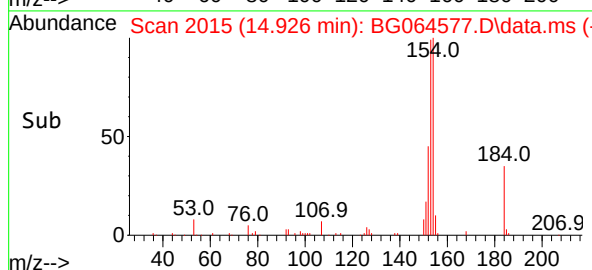
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

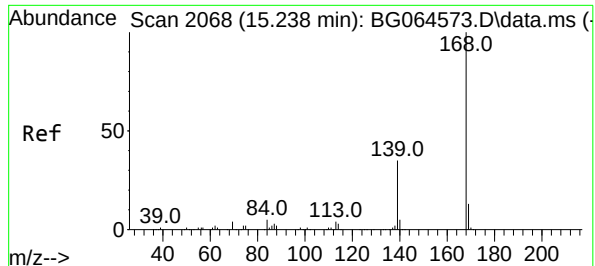


#54
2,4-Dinitrophenol
Concen: 33.991 ng
RT: 14.926 min Scan# 2015
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



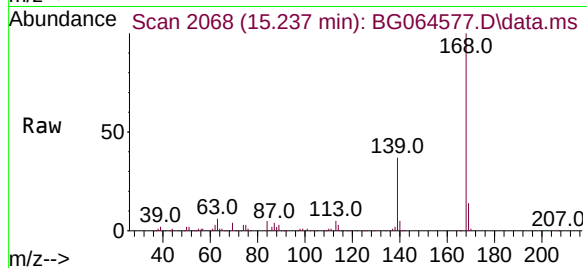
Tgt Ion:184 Resp: 29394
Ion Ratio Lower Upper
184 100
63 75.8 56.6 85.0
154 285.9 158.6 238.0#





#55
Dibenzofuran
Concen: 36.096 ng
RT: 15.237 min Scan# 2068
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

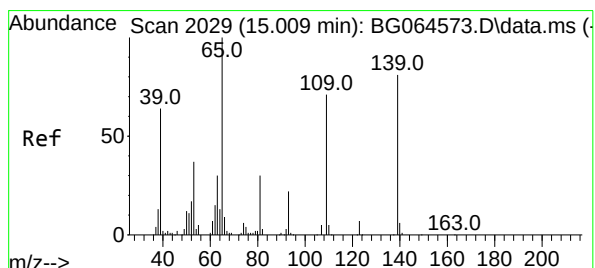
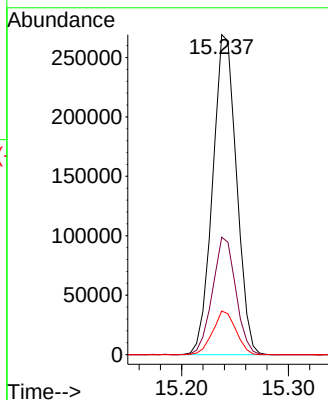
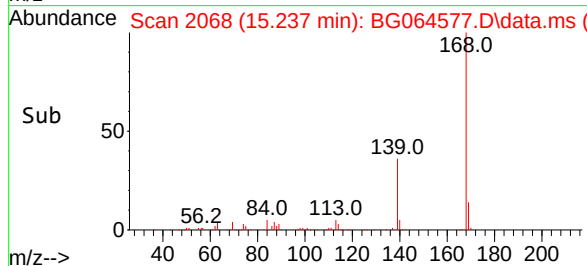
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



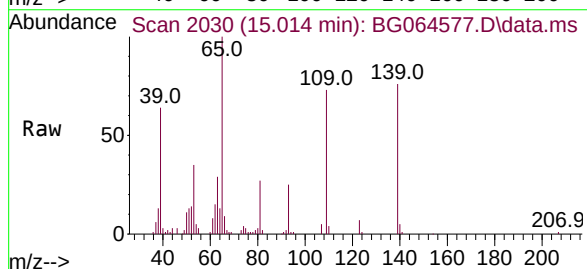
Tgt Ion:168 Resp: 419154
Ion Ratio Lower Upper
168 100
139 36.7 27.8 41.8
169 13.6 10.3 15.5

Manual Integrations
APPROVED

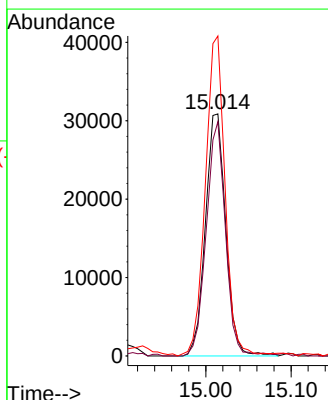
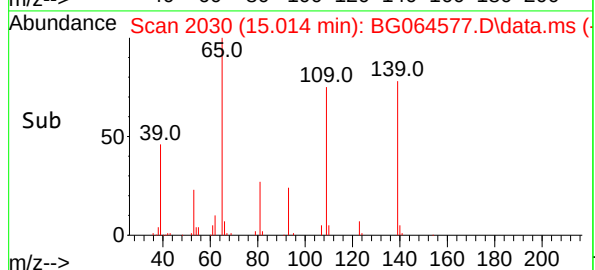
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

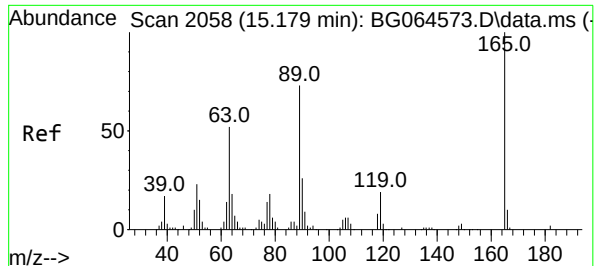


#56
4-Nitrophenol
Concen: 33.818 ng
RT: 15.014 min Scan# 2030
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



Tgt Ion:139 Resp: 51210
Ion Ratio Lower Upper
139 100
109 96.8 67.8 107.8
65 132.2 103.7 143.7





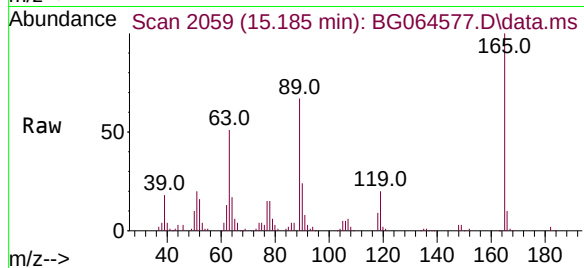
#57
2,4-Dinitrotoluene
Concen: 35.957 ng
RT: 15.185 min Scan# 2058
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

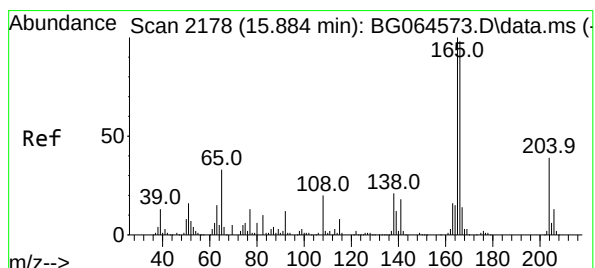
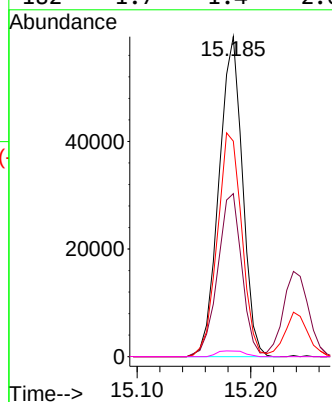
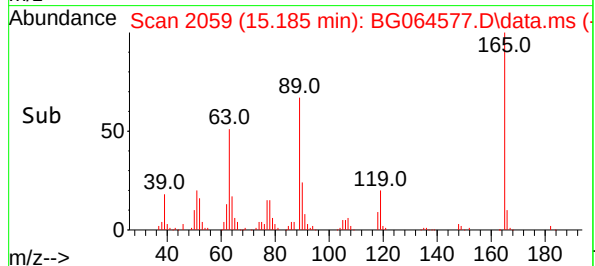


Tgt Ion	Ratio	Lower	Upper
165	100		
63	50.9	41.8	62.8
89	67.3	58.1	87.1
182	1.7	1.4	2.0

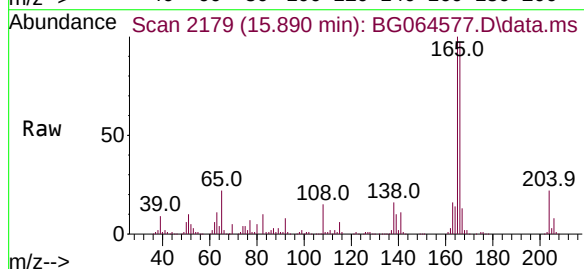
Manual Integrations

APPROVED

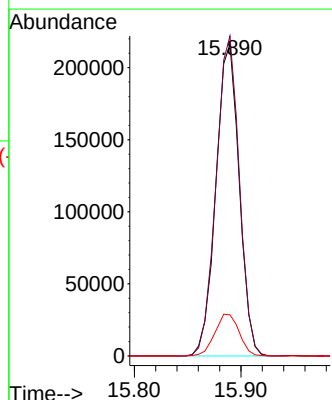
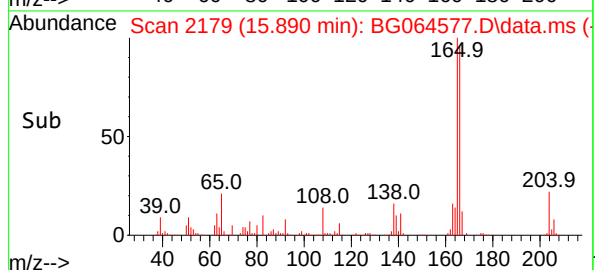
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

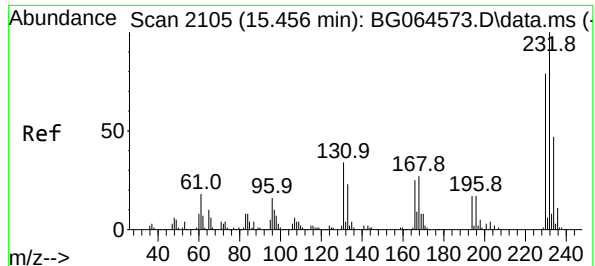


#58
Fluorene
Concen: 36.238 ng
RT: 15.890 min Scan# 2179
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



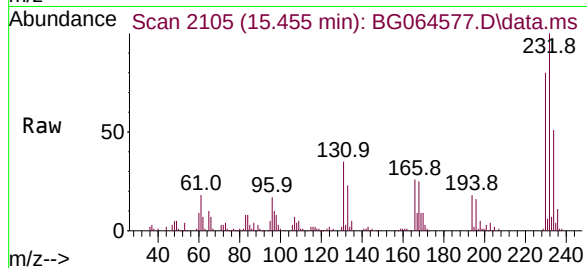
Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.6	81.5	122.3
167	13.1	11.4	17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.525 ng
RT: 15.455 min Scan# 2105
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

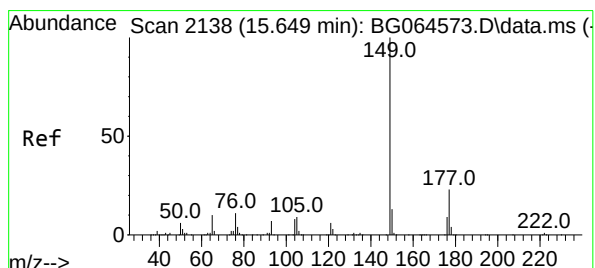
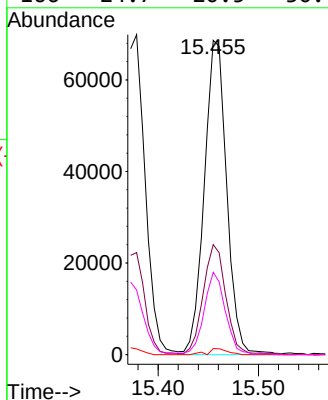
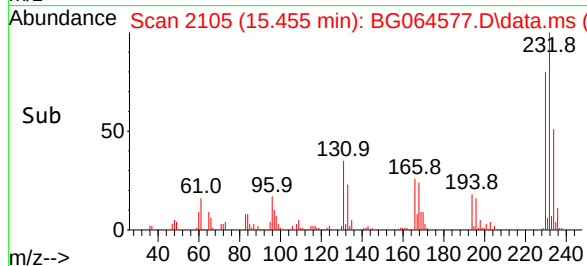
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



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

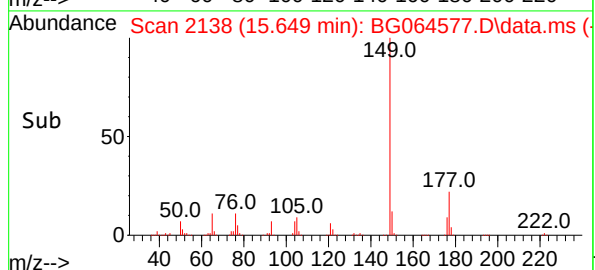
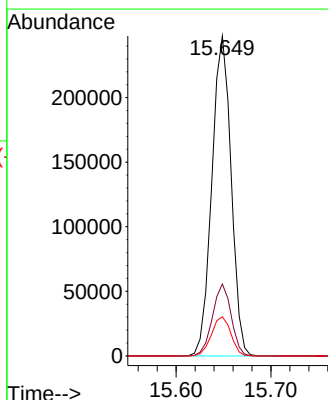
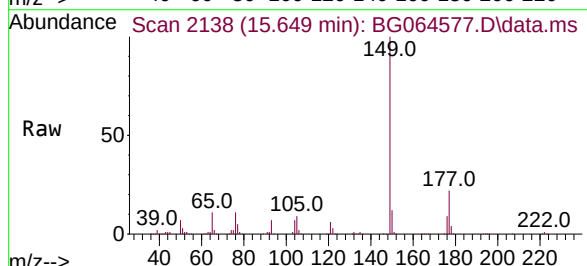
Manual Integrations
APPROVED

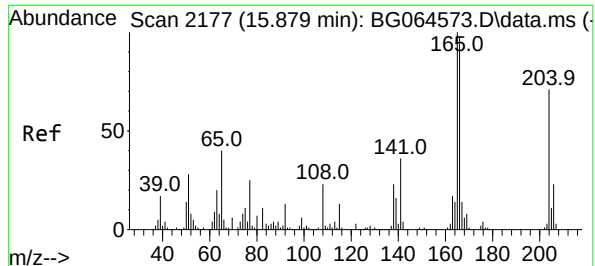
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#60
Diethylphthalate
Concen: 35.961 ng
RT: 15.649 min Scan# 2138
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 348964
Ion Ratio Lower Upper
149 100
177 22.5 18.0 27.0
150 12.2 10.2 15.4





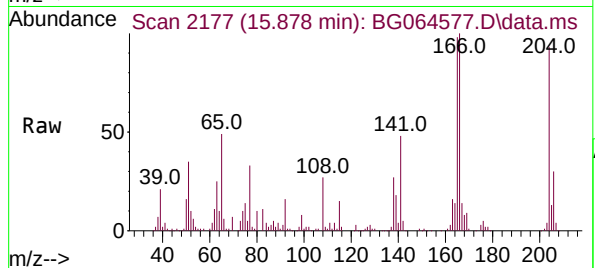
#61
4-Chlorophenyl-phenylether
Concen: 35.902 ng
RT: 15.878 min Scan# 2177
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

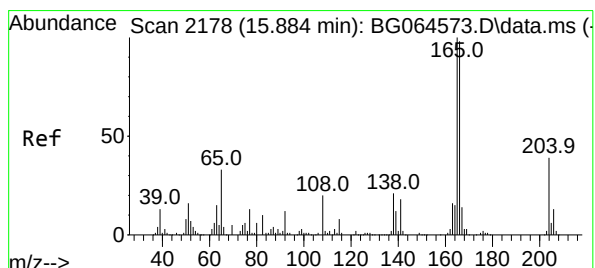
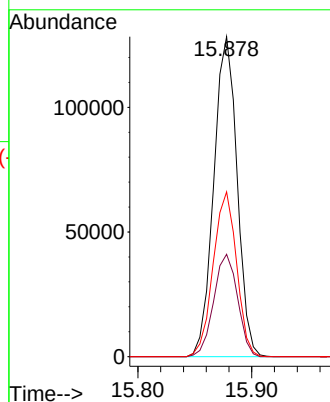
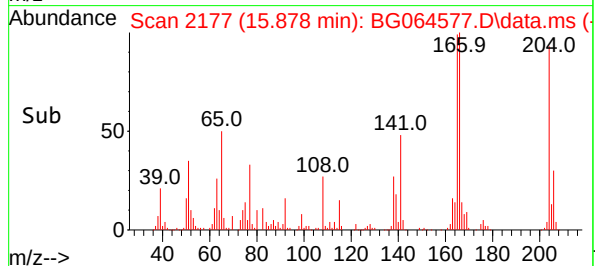


Tgt Ion:204 Resp: 182714
Ion Ratio Lower Upper
204 100
206 32.0 25.6 38.4
141 51.5 40.6 60.8

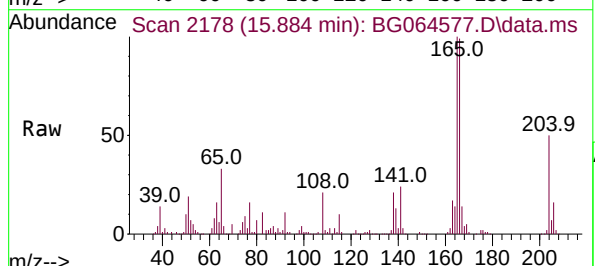
Manual Integrations

APPROVED

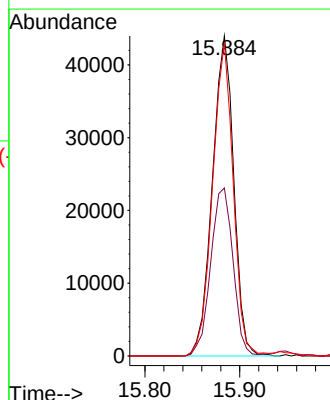
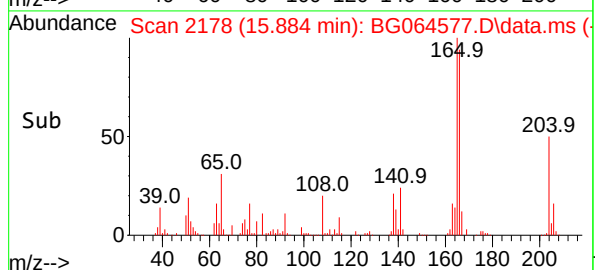
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

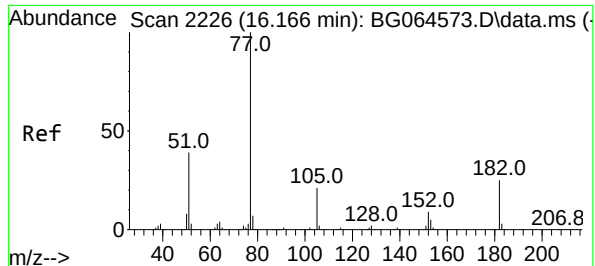


#62
4-Nitroaniline
Concen: 37.867 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



Tgt Ion:138 Resp: 68807
Ion Ratio Lower Upper
138 100
92 52.5 36.1 76.1
108 97.9 75.6 115.6





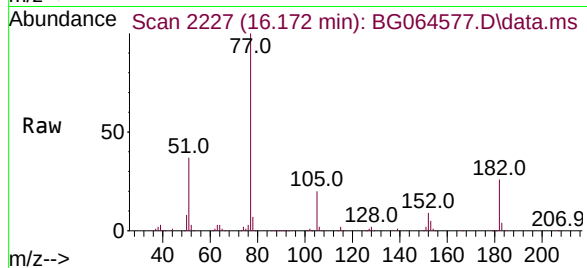
#63
Azobenzene
Concen: 36.325 ng
RT: 16.172 min Scan# 2227
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

ClientSampleId :

ICVBG102425

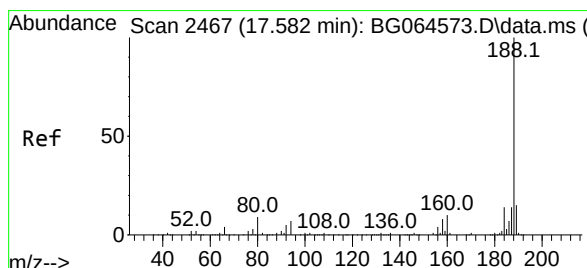
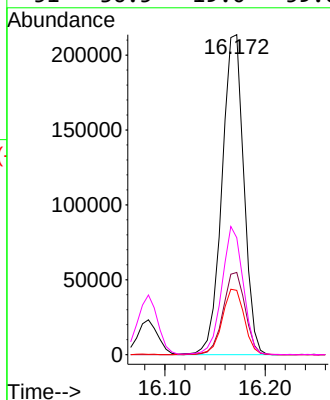
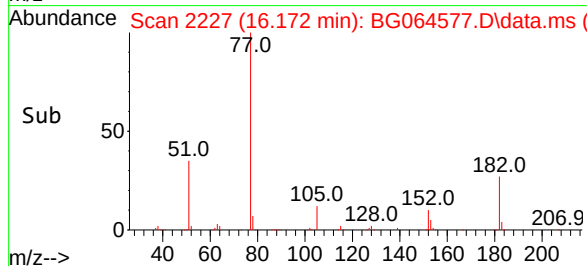


Tgt Ion: 77 Resp: 323432
Ion Ratio Lower Upper
77 100
182 25.7 4.9 44.9
105 20.1 1.3 41.3
51 36.5 19.0 59.0

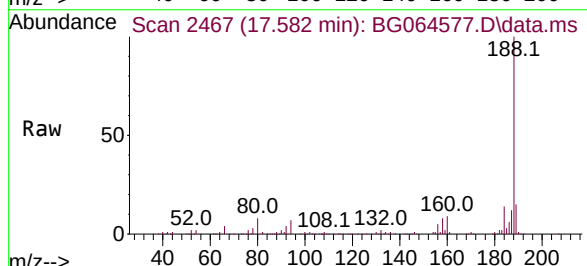
Manual Integrations

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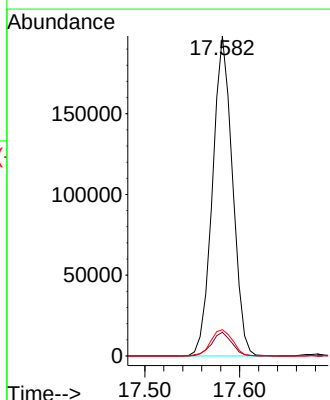
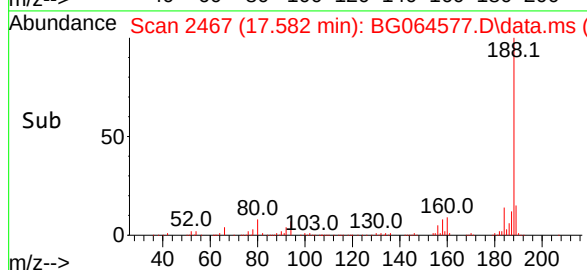
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

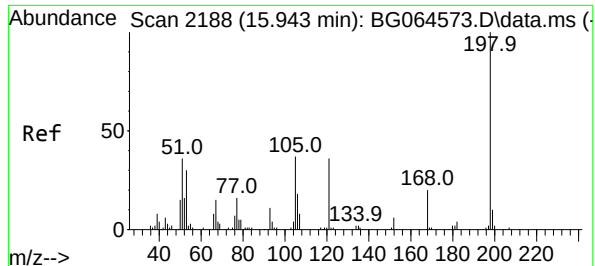


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.582 min Scan# 2467
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



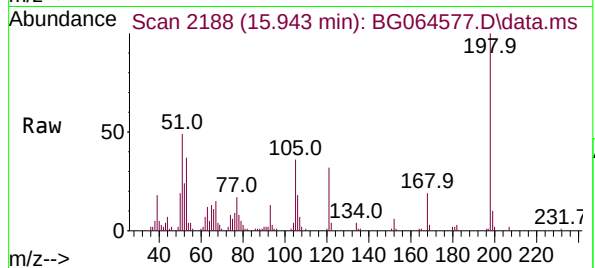
Tgt Ion:188 Resp: 290051
Ion Ratio Lower Upper
188 100
94 7.4 5.7 8.5
80 8.2 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 34.885 ng
RT: 15.943 min Scan# 2188
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

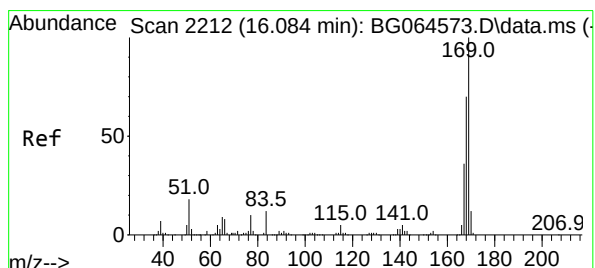
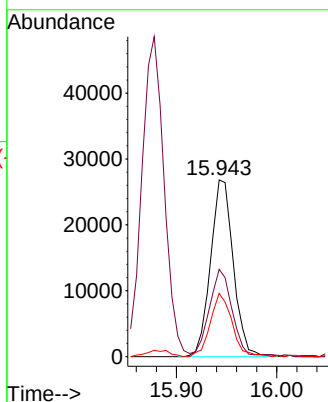
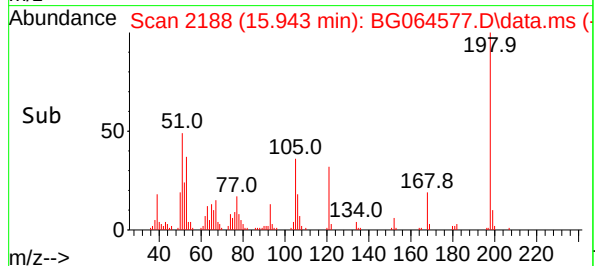
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



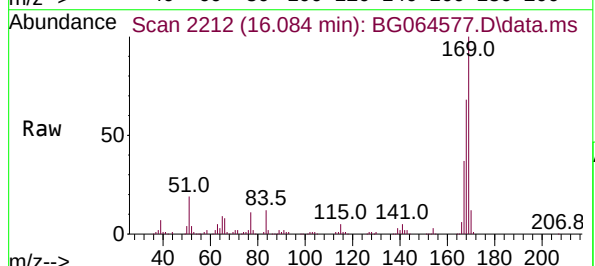
Tgt Ion:198 Resp: 42391
Ion Ratio Lower Upper
198 100
51 49.5 24.7 64.7
105 35.9 18.0 58.0

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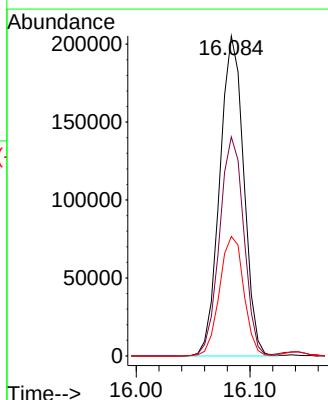
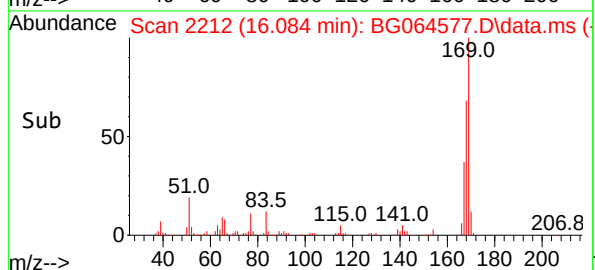
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

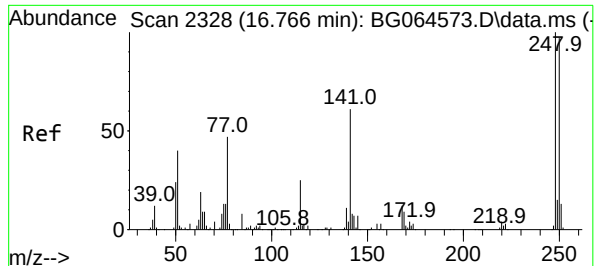


#66
n-Nitrosodiphenylamine
Concen: 38.325 ng
RT: 16.084 min Scan# 2212
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47



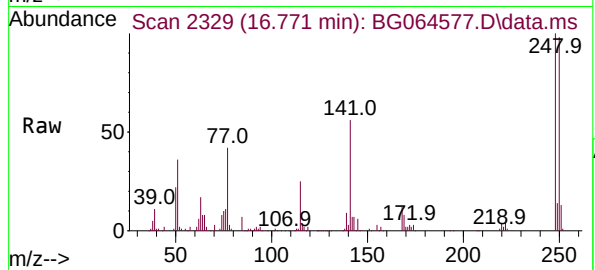
Tgt Ion:169 Resp: 300274
Ion Ratio Lower Upper
169 100
168 68.4 56.3 84.5
167 37.3 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 38.044 ng
RT: 16.771 min Scan# 2328
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

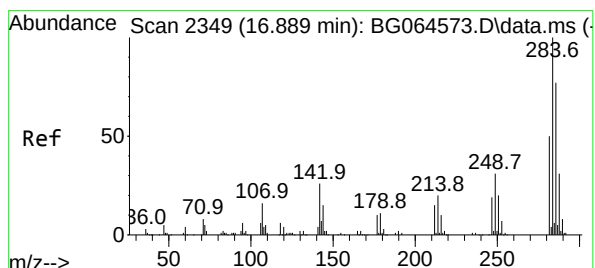
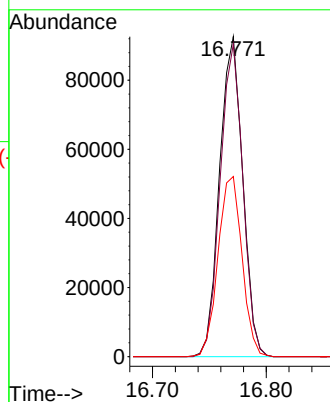
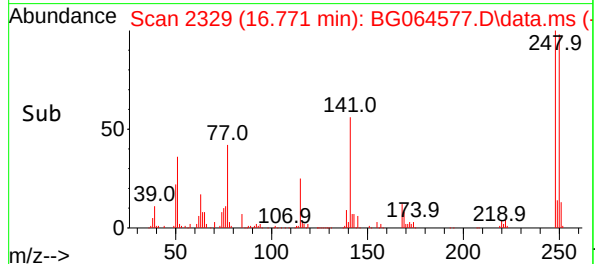
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



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

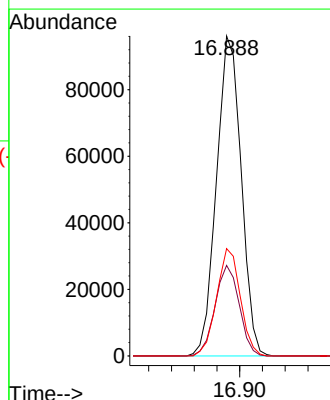
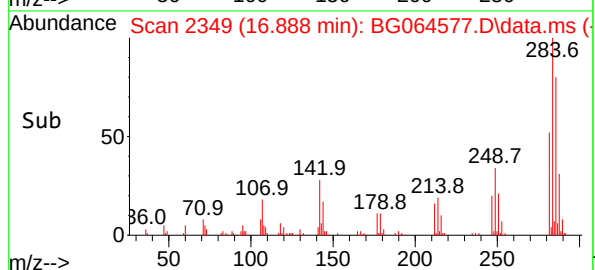
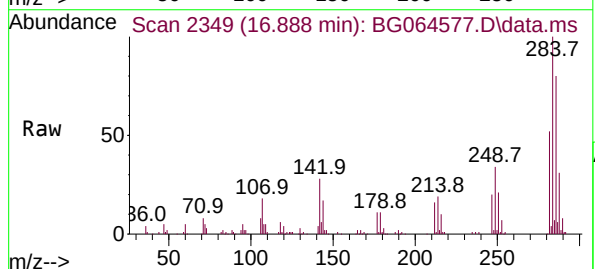
Manual Integrations
APPROVED

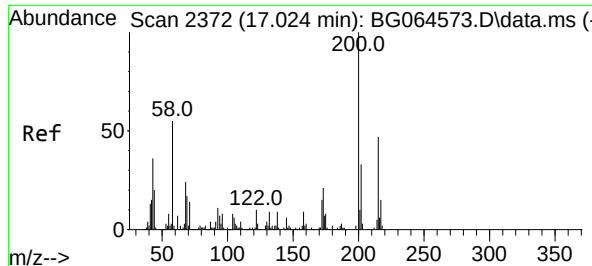
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#68
Hexachlorobenzene
Concen: 36.971 ng
RT: 16.888 min Scan# 2349
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

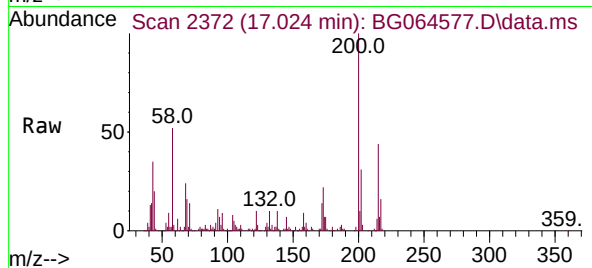
Tgt Ion:284 Resp: 144974
Ion Ratio Lower Upper
284 100
142 28.3 21.0 31.6
249 33.5 24.9 37.3





#69
Atrazine
Concen: 38.558 ng
RT: 17.024 min Scan# 2372
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

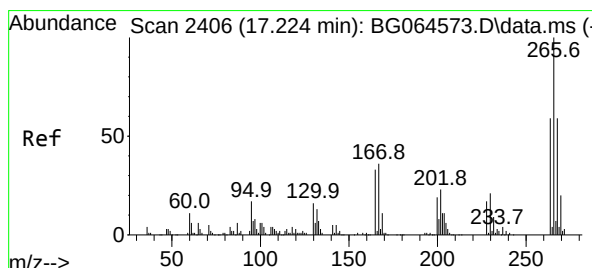
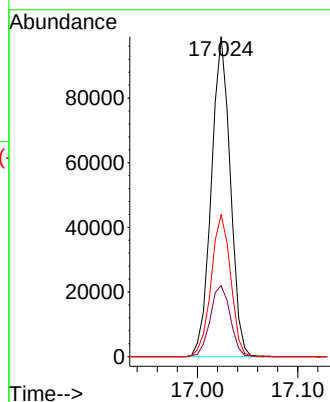
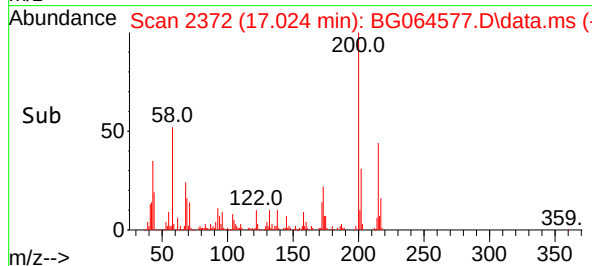
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



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

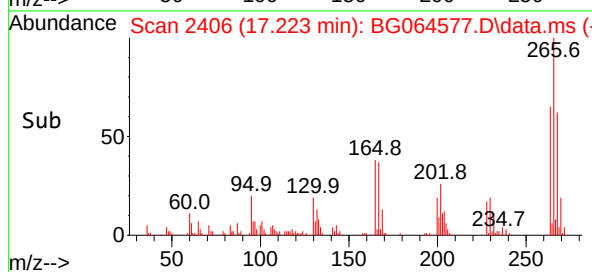
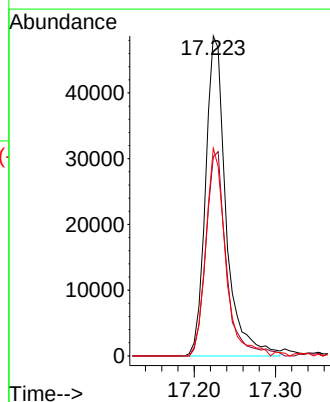
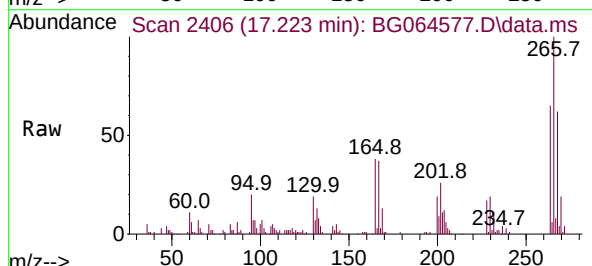
Manual Integrations
APPROVED

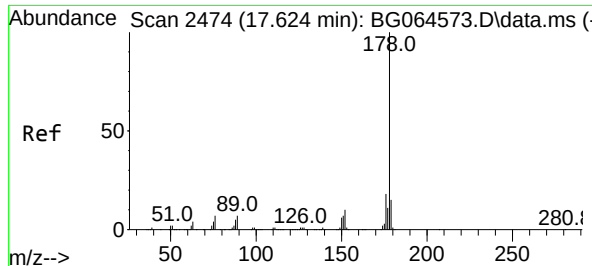
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#70
Pentachlorophenol
Concen: 34.829 ng
RT: 17.223 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

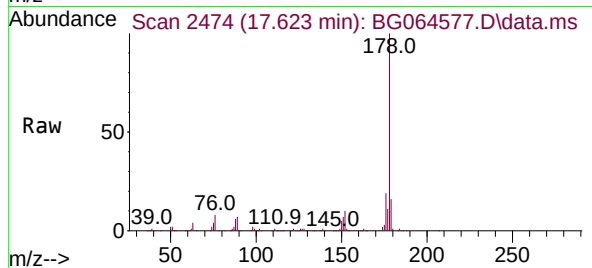
Tgt Ion:266 Resp: 85166
Ion Ratio Lower Upper
266 100
268 66.7 50.3 75.5
264 70.5 47.3 70.9





#71
Phenanthrene
Concen: 35.925 ng
RT: 17.623 min Scan# 2474
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

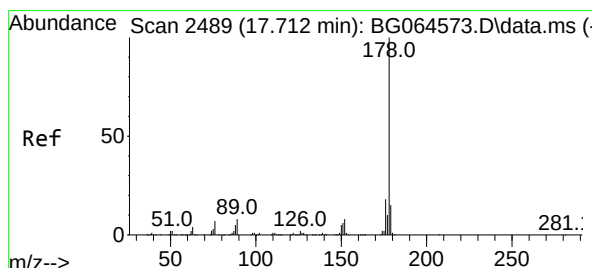
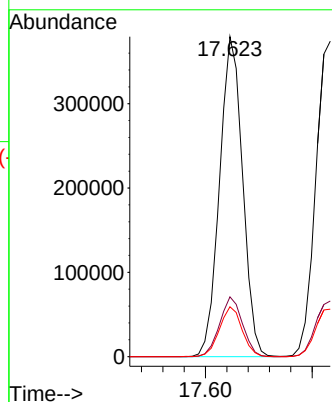
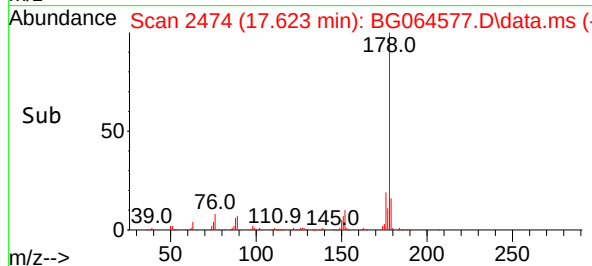
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



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

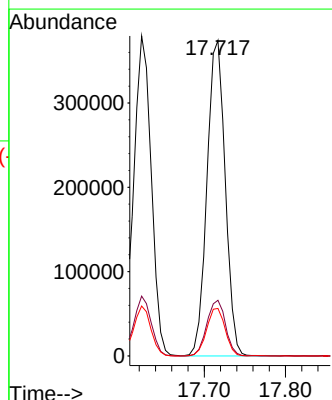
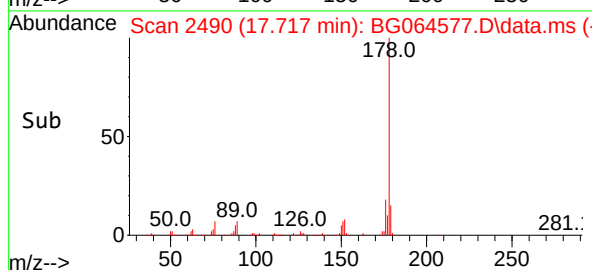
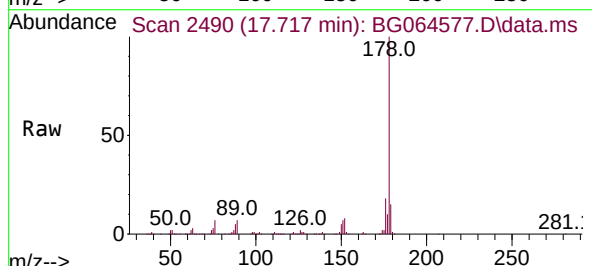
Manual Integrations
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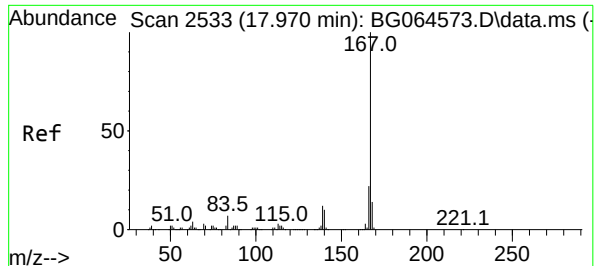
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#72
Anthracene
Concen: 36.210 ng
RT: 17.717 min Scan# 2490
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

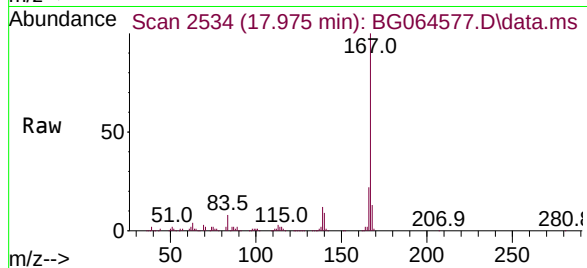
Tgt Ion:178 Resp: 584246
Ion Ratio Lower Upper
178 100
176 17.6 14.4 21.6
179 15.1 12.4 18.6





#73
Carbazole
Concen: 35.061 ng
RT: 17.975 min Scan# 2534
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

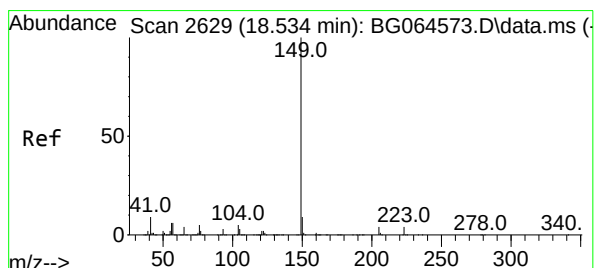
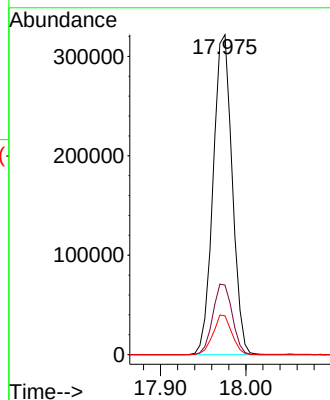
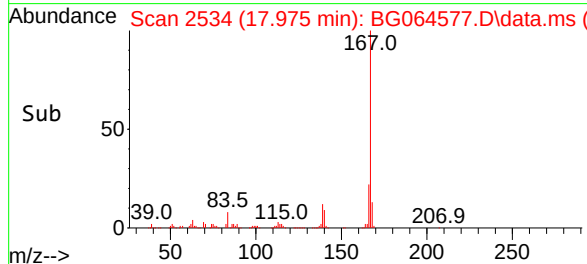
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



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

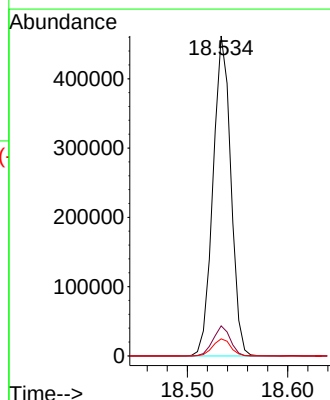
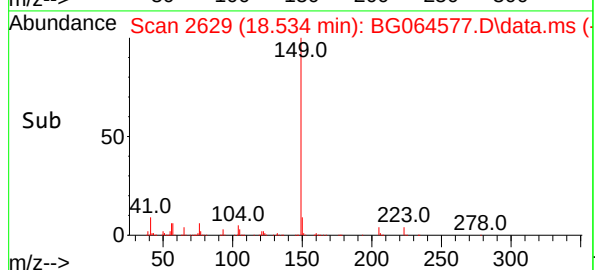
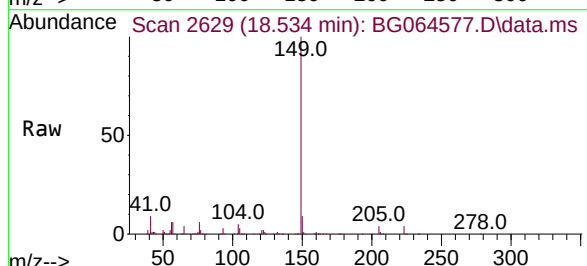
Manual Integrations
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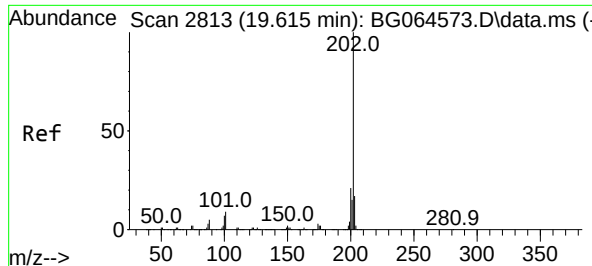
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#74
Di-n-butylphthalate
Concen: 34.688 ng
RT: 18.534 min Scan# 2629
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

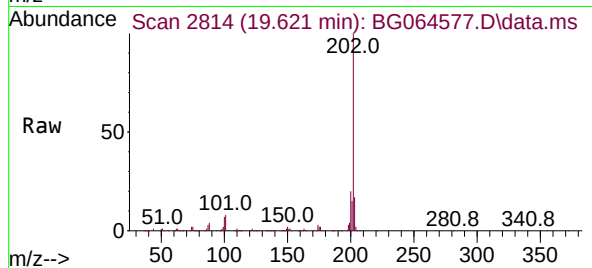
Tgt Ion:149 Resp: 570718
Ion Ratio Lower Upper
149 100
150 9.4 7.0 10.6
104 5.3 4.1 6.1





#75
Fluoranthene
Concen: 34.070 ng
RT: 19.621 min Scan# 2814
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

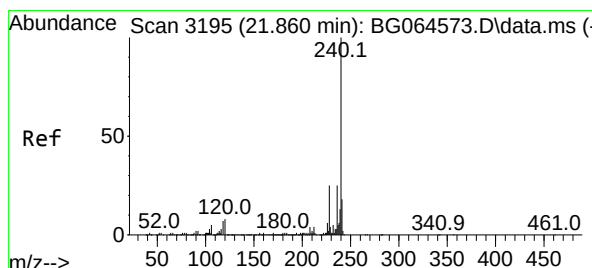
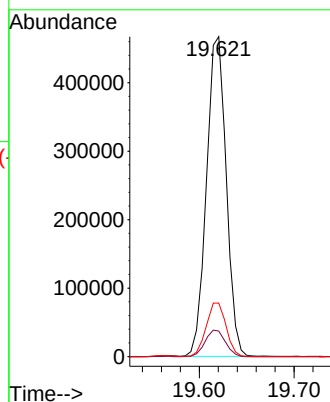
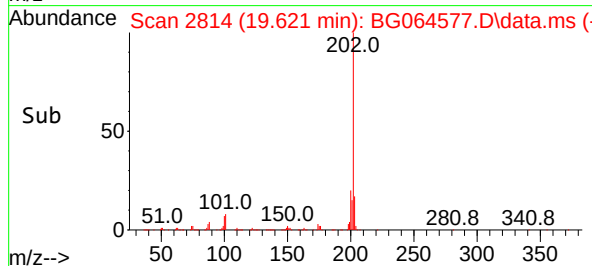
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



Tgt Ion:202 Resp: 676996
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.7
203 16.7 0.0 37.0

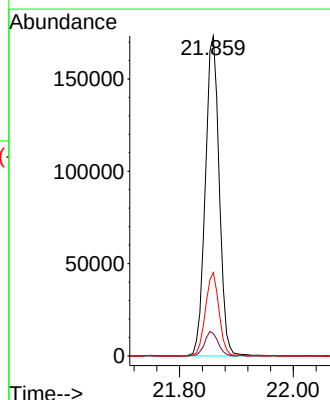
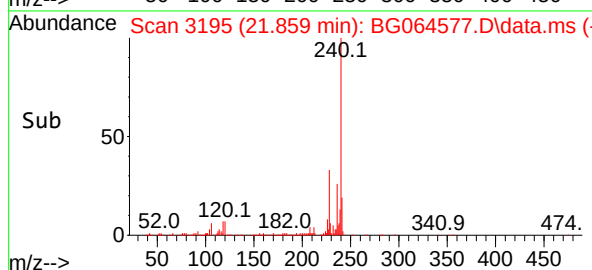
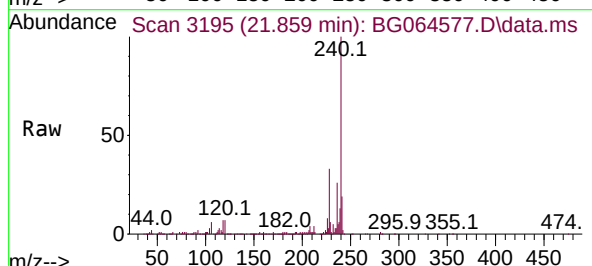
Manual Integrations
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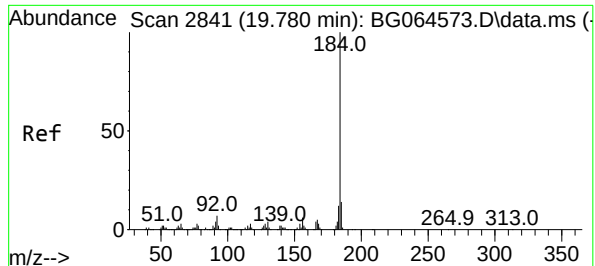
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.859 min Scan# 3195
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

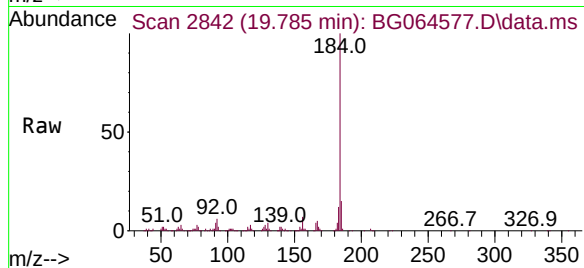
Tgt Ion:240 Resp: 293608
Ion Ratio Lower Upper
240 100
120 7.0 6.5 9.7
236 26.0 20.2 30.2





#77
Benzidine
Concen: 54.203 ng
RT: 19.785 min Scan# 2842
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

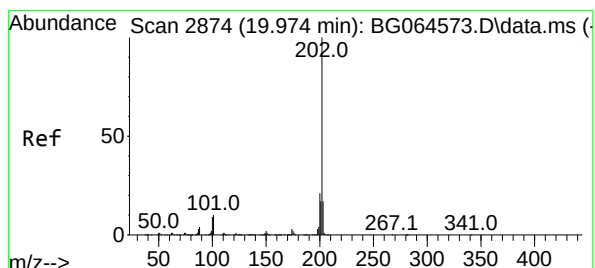
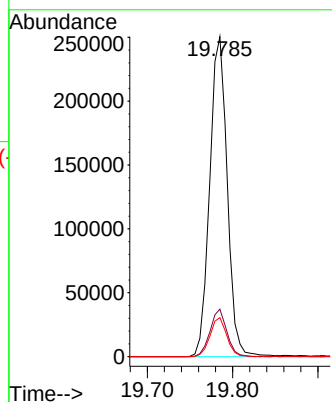
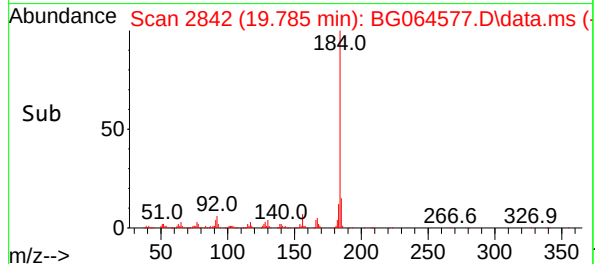
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



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

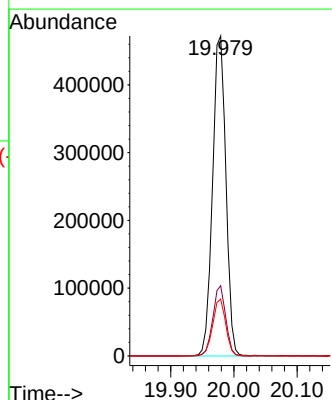
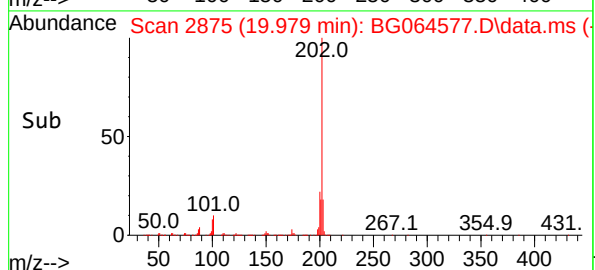
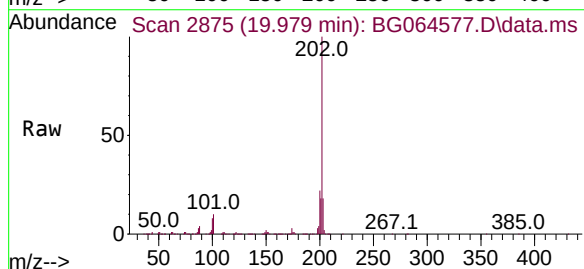
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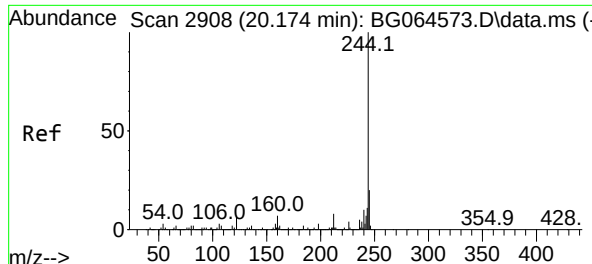
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#78
Pyrene
Concen: 36.130 ng
RT: 19.979 min Scan# 2875
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

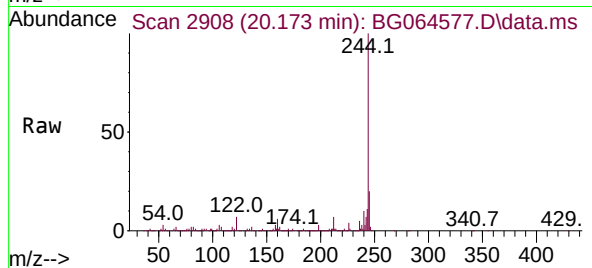
Tgt Ion:202 Resp: 693068
Ion Ratio Lower Upper
202 100
200 21.9 17.0 25.4
203 17.7 13.8 20.6





#79
 Terphenyl-d14
 Concen: 74.019 ng
 RT: 20.173 min Scan# 2908
 Delta R.T. -0.004 min
 Lab File: BG064577.D
 Acq: 24 Oct 2025 16:47

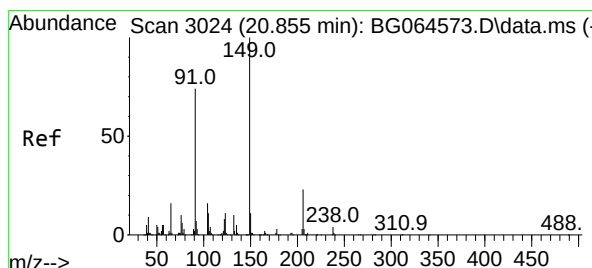
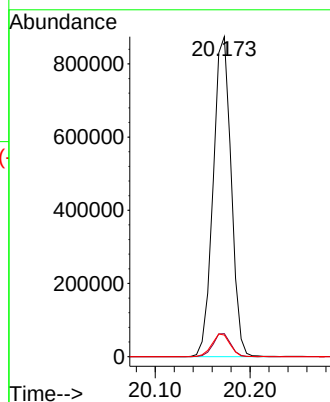
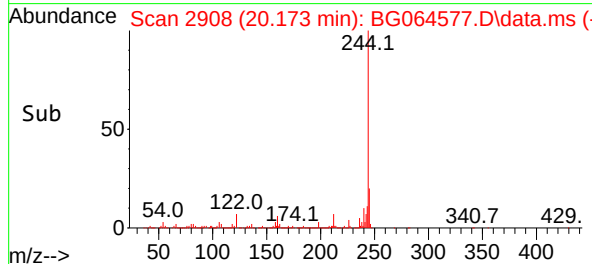
Instrument :
 BNA_G
 ClientSampleId :
 ICVBG102425



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

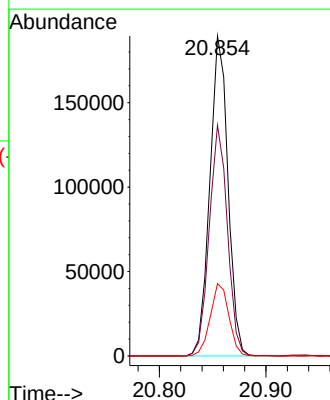
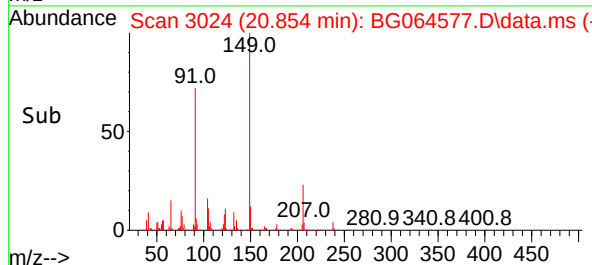
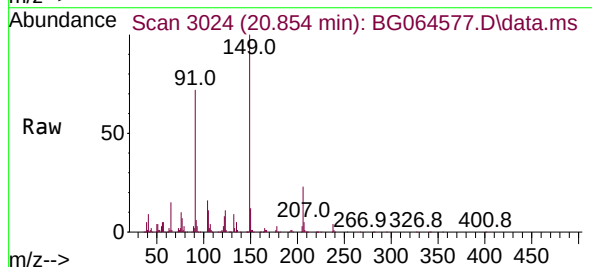
Manual Integrations
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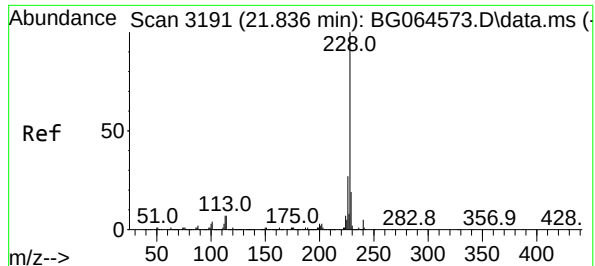
Reviewed By :Rahul Chavli 10/27/2025
 Supervised By :Jagrut Upadhyay 10/27/2025



#80
 Butylbenzylphthalate
 Concen: 38.702 ng
 RT: 20.854 min Scan# 3024
 Delta R.T. -0.004 min
 Lab File: BG064577.D
 Acq: 24 Oct 2025 16:47

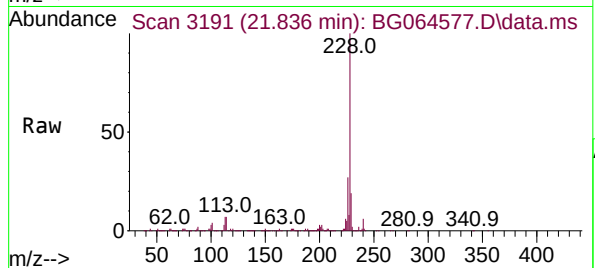
Tgt Ion:149 Resp: 224386
 Ion Ratio Lower Upper
 149 100
 91 72.1 59.2 88.8
 206 22.6 18.1 27.1





#81
Benzo(a)anthracene
Concen: 36.287 ng
RT: 21.836 min Scan# 3191
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

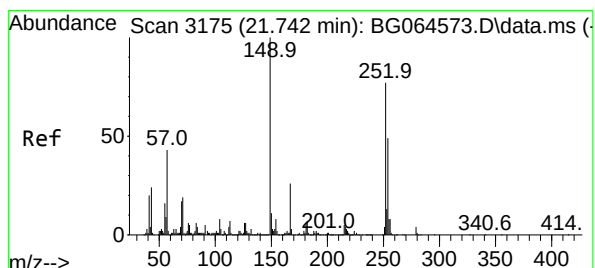
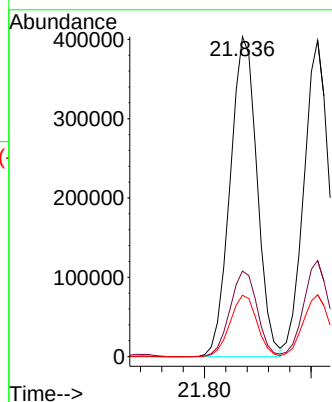
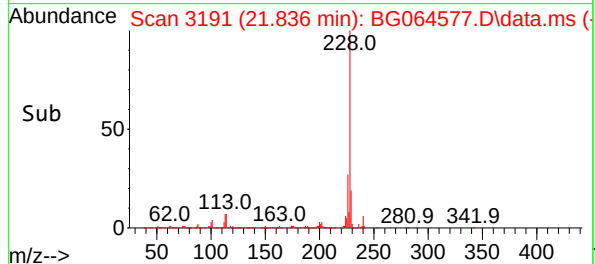
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



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

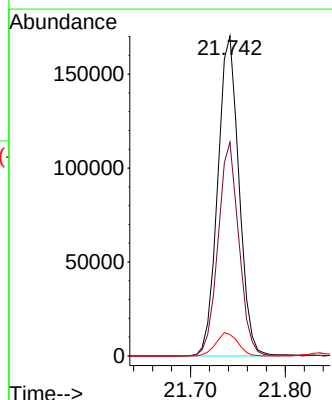
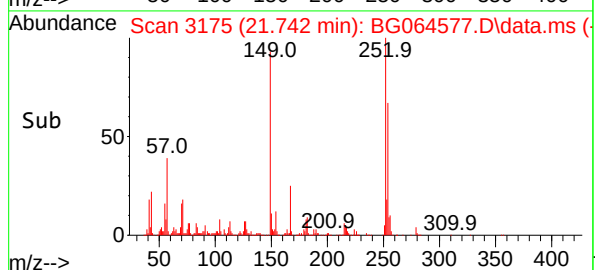
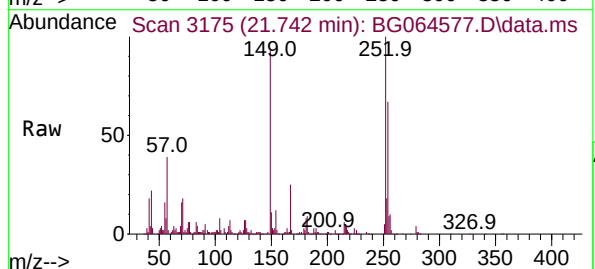
Manual Integrations
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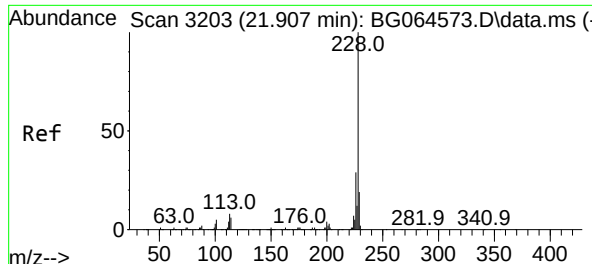
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#82
3,3'-Dichlorobenzidine
Concen: 40.813 ng
RT: 21.742 min Scan# 3175
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

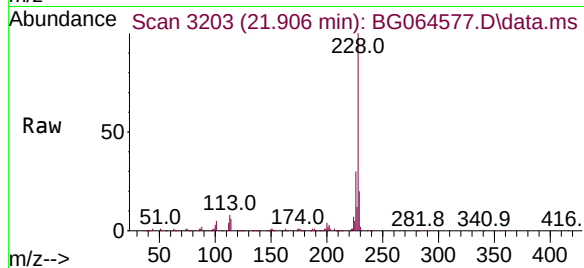
Tgt Ion:252 Resp: 265324
Ion Ratio Lower Upper
252 100
254 66.8 50.8 76.2
126 6.7 5.8 8.6





#83
Chrysene
Concen: 35.533 ng
RT: 21.906 min Scan# 3176
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

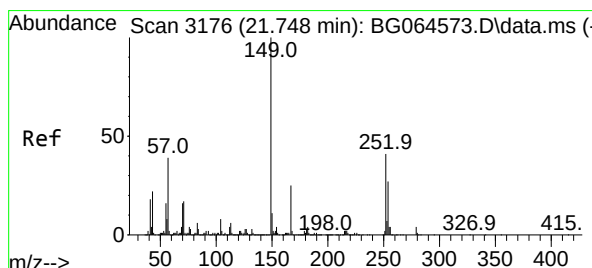
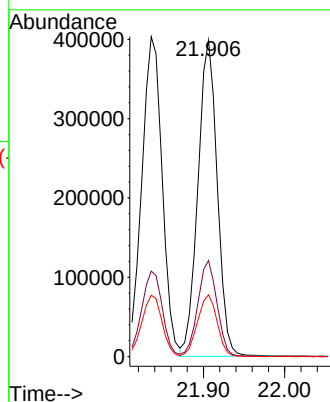
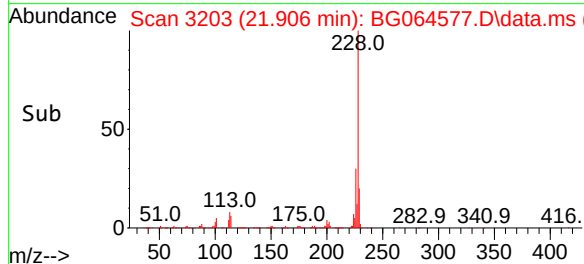
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



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

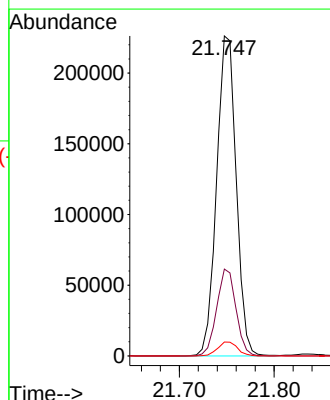
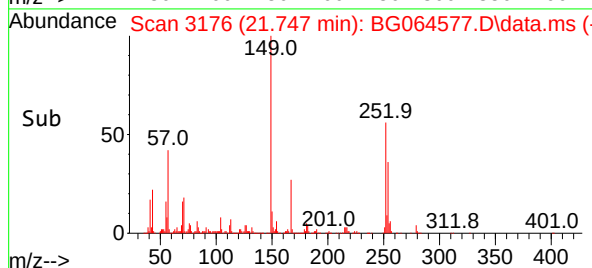
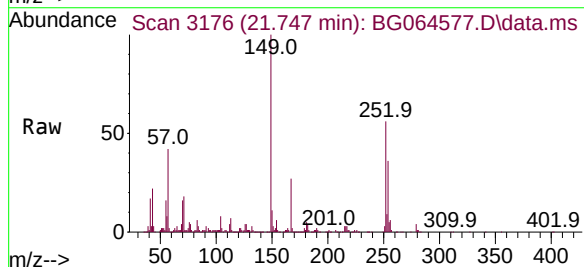
Manual Integrations
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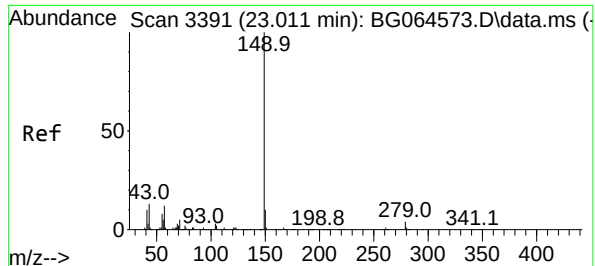
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 37.470 ng
RT: 21.747 min Scan# 3176
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 324614
Ion Ratio Lower Upper
149 100
167 27.1 20.0 30.0
279 4.3 3.1 4.7





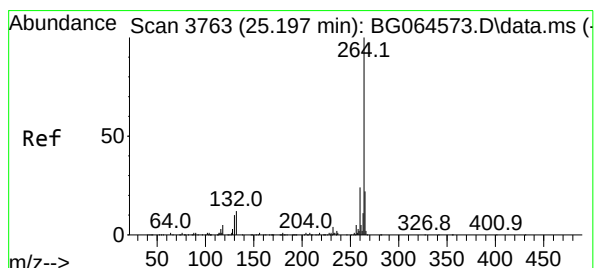
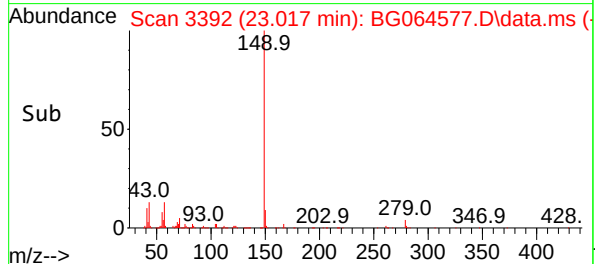
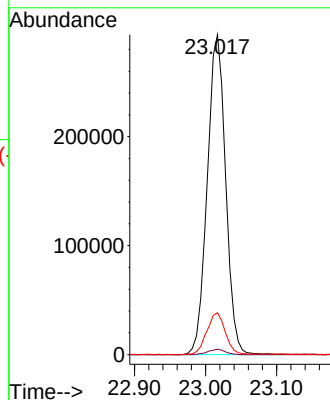
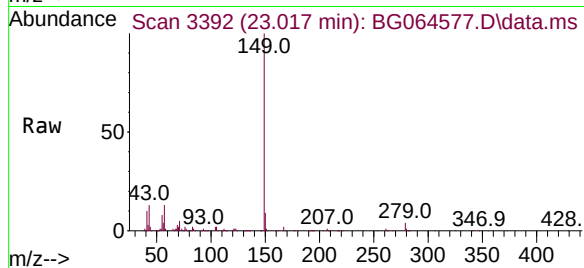
#85
Di-n-octyl phthalate
Concen: 36.087 ng
RT: 23.017 min Scan# 3391
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

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

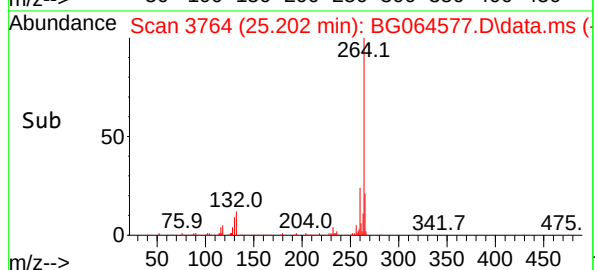
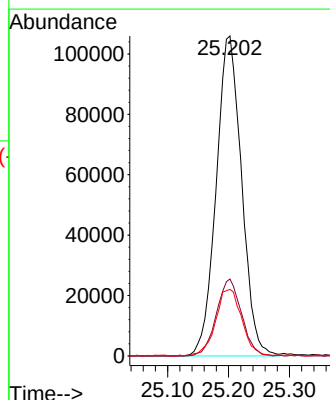
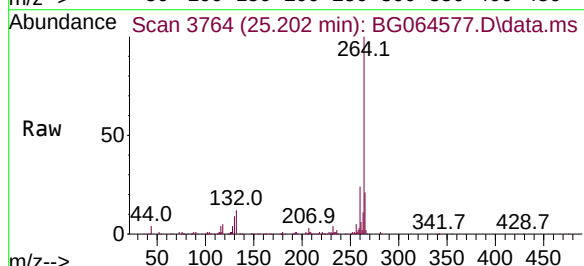
Manual Integrations
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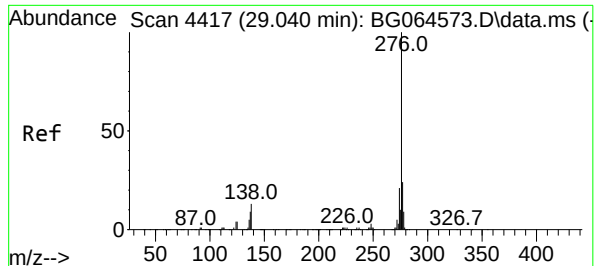
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.202 min Scan# 3764
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

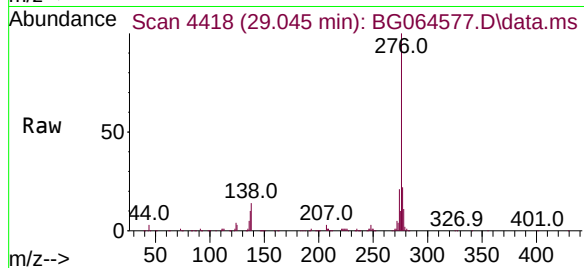
Tgt Ion:264 Resp: 306886
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.4
265 20.8 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 36.366 ng
RT: 29.045 min Scan# 4417
Delta R.T. -0.016 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

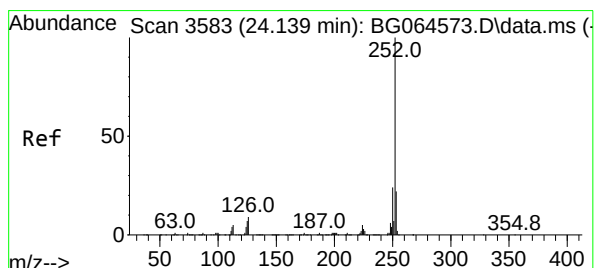
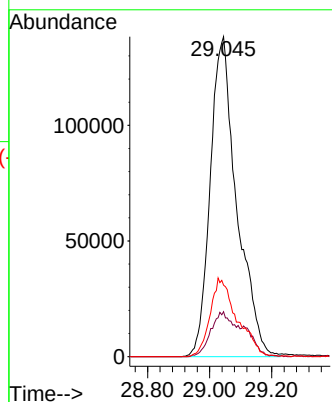
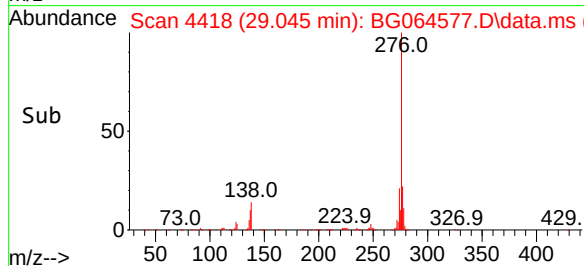
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



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

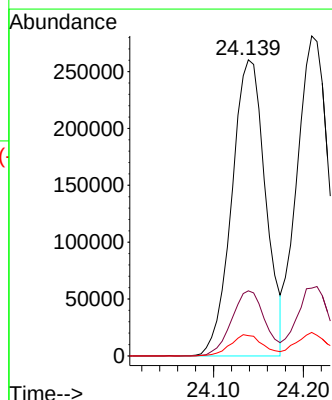
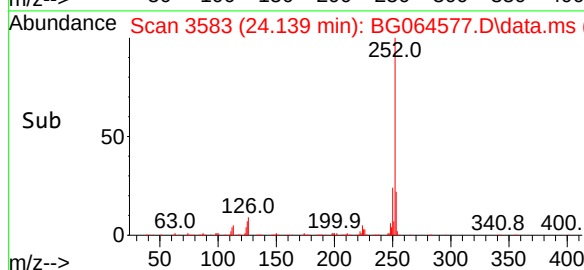
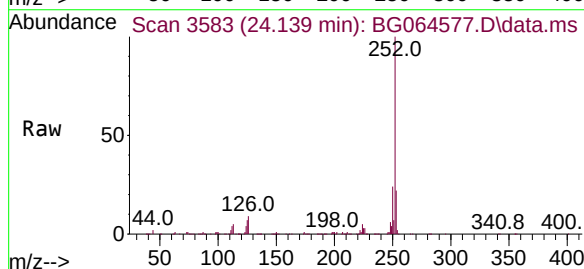
Manual Integrations
APPROVED

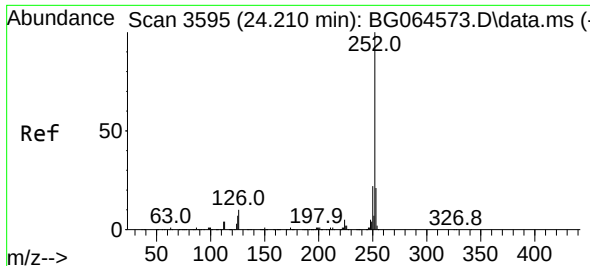
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#88
Benzo(b)fluoranthene
Concen: 36.235 ng
RT: 24.139 min Scan# 3583
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:252 Resp: 681881
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 6.8 5.6 8.4





#89
Benzo(k)fluoranthene
Concen: 37.252 ng
RT: 24.209 min Scan# 3595
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Instrument :

BNA_G

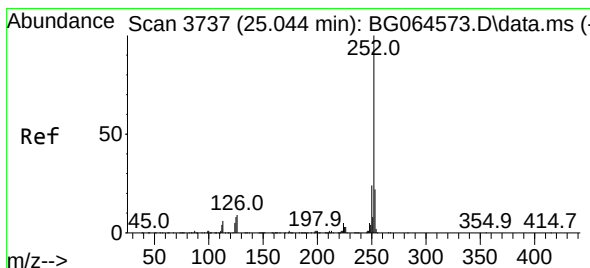
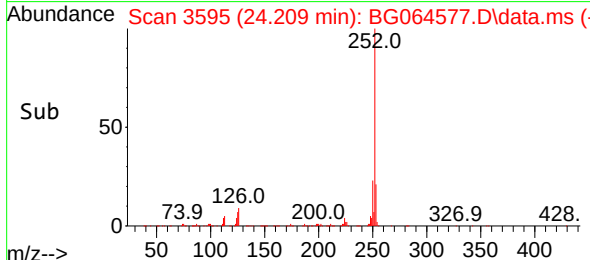
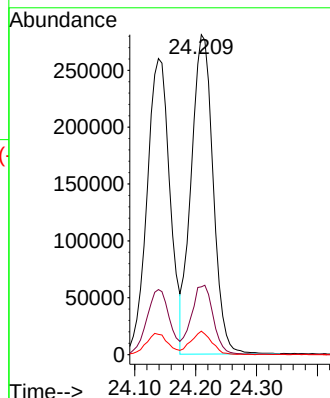
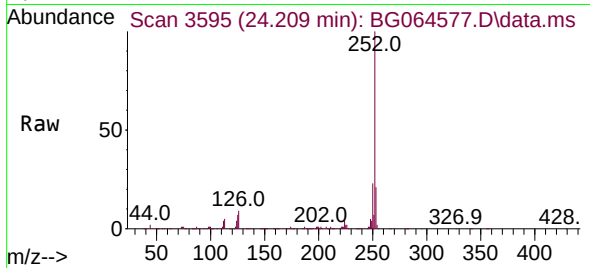
ClientSampleId :

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

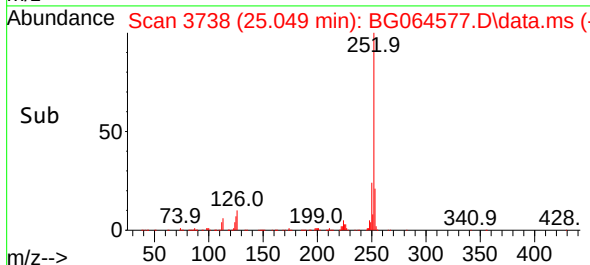
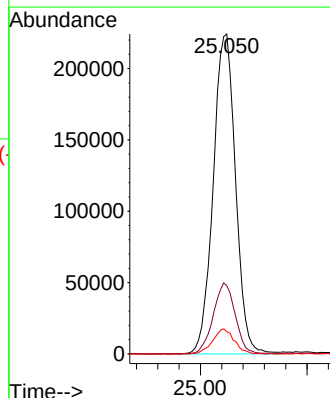
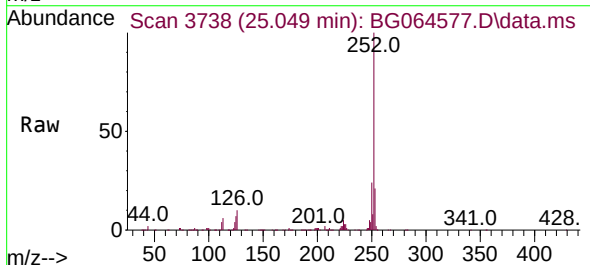
Manual Integrations
APPROVED

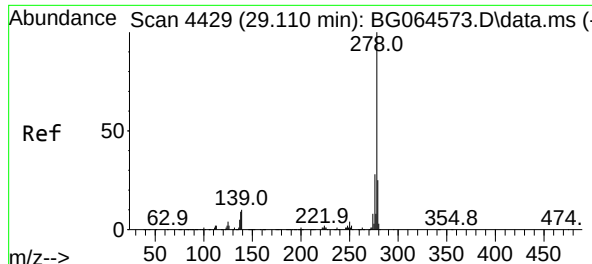
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#90
Benzo(a)pyrene
Concen: 37.700 ng
RT: 25.049 min Scan# 3738
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

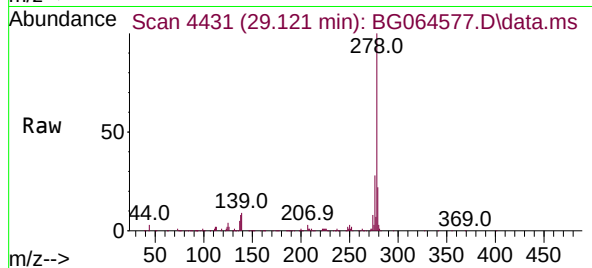
Tgt Ion:252 Resp: 652126
Ion Ratio Lower Upper
252 100
253 21.3 17.6 26.4
125 6.9 6.1 9.1





#91
Dibenzo(a,h)anthracene
Concen: 36.776 ng
RT: 29.121 min Scan# 4429
Delta R.T. -0.016 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

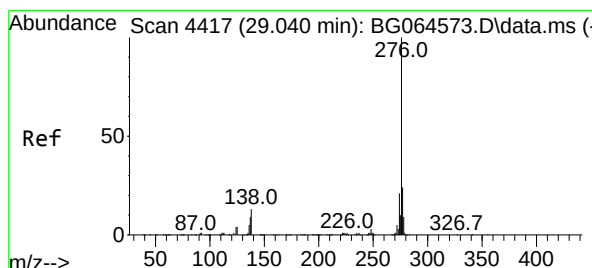
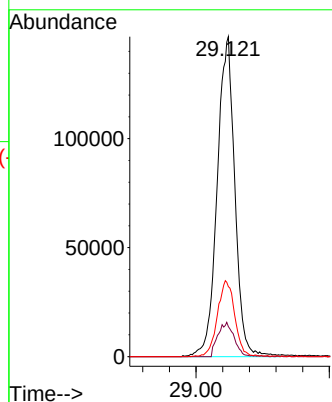
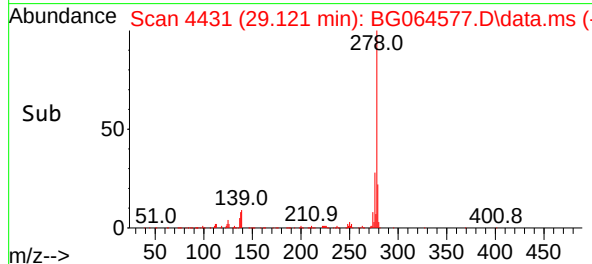
Instrument :
BNA_G
ClientSampleId :
ICVBG102425



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

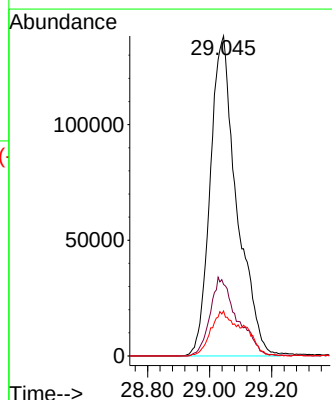
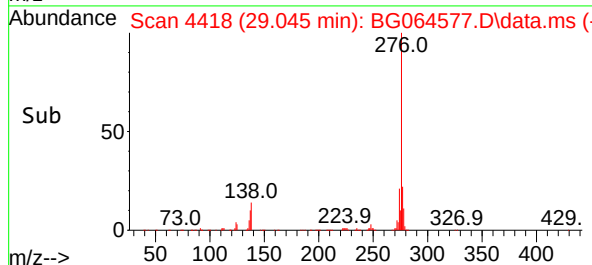
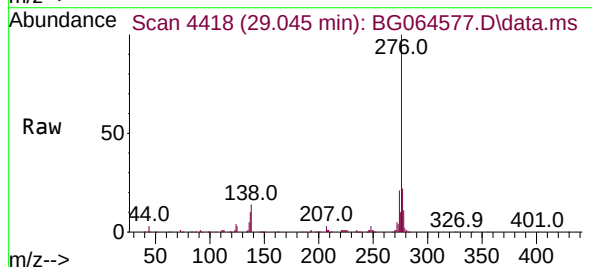
Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 36.366 ng
RT: 29.045 min Scan# 4418
Delta R.T. -0.016 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:276 Resp: 820974
Ion Ratio Lower Upper
276 100
277 22.3 19.2 28.8
138 14.0 10.7 16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064577.D
 Acq On : 24 Oct 2025 16:47
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ICVBG102425

Quant Time: Oct 24 17:24:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	93	0.00
2	1,4-Dioxane	40.000	33.820	15.4	79	0.00
3	Pyridine	40.000	33.313	16.7	73	0.00
4	n-Nitrosodimethylamine	40.000	36.025	9.9	79	-0.01
5 S	2-Fluorophenol	80.000	70.535	11.8	75	0.00
6	Aniline	40.000	38.118	4.7	82	0.00
7 S	Phenol-d6	80.000	74.109	7.4	79	0.00
8	2-Chlorophenol	40.000	36.981	7.5	78	0.00
9	Benzaldehyde	40.000	50.923	-27.3#	112	0.00
10 C	Phenol	40.000	36.410	9.0	78	-0.01
11	bis(2-Chloroethyl)ether	40.000	38.118	4.7	82	0.00
12	1,3-Dichlorobenzene	40.000	36.085	9.8	79	0.00
13 C	1,4-Dichlorobenzene	40.000	37.635	5.9	83	0.00
14	1,2-Dichlorobenzene	40.000	36.924	7.7	81	0.00
15	Benzyl Alcohol	40.000	37.995	5.0	83	-0.01
16	2,2'-oxybis(1-Chloropropane	40.000	36.163	9.6	78	0.00
17	2-Methylphenol	40.000	38.945	2.6	81	0.00
18	Hexachloroethane	40.000	35.743	10.6	78	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	39.572	1.1	84	0.00
20	3+4-Methylphenols	40.000	37.882	5.3	81	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	95	0.00
22	Acetophenone	40.000	37.806	5.5	84	0.00
23 S	Nitrobenzene-d5	80.000	76.738	4.1	81	0.00
24	Nitrobenzene	40.000	39.305	1.7	83	0.00
25	Isophorone	40.000	37.733	5.7	83	-0.01
26 C	2-Nitrophenol	40.000	35.498	11.3	84	0.00
27	2,4-Dimethylphenol	40.000	41.336	-3.3	89	0.00
28	bis(2-Chloroethoxy)methane	40.000	36.953	7.6	82	0.00
29 C	2,4-Dichlorophenol	40.000	38.190	4.5	81	0.00
30	1,2,4-Trichlorobenzene	40.000	37.945	5.1	84	0.00
31	Naphthalene	40.000	35.709	10.7	80	0.00
32	Benzoic acid	40.000	37.924	5.2	93	-0.05
33	4-Chloroaniline	40.000	41.287	-3.2	92	0.00
34 C	Hexachlorobutadiene	40.000	35.242	11.9	80	0.00
35	Caprolactam	40.000	36.326	9.2	79	-0.03
36 C	4-Chloro-3-methylphenol	40.000	38.049	4.9	82	0.00
37	2-Methylnaphthalene	40.000	33.388	16.5	75	0.00
38	1-Methylnaphthalene	40.000	35.729	10.7	80	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	95	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	37.146	7.1	84	0.00
41 P	Hexachlorocyclopentadiene	40.000	50.669	-26.7#	112	0.00
42 S	2,4,6-Tribromophenol	80.000	75.074	6.2	81	0.00
43 C	2,4,6-Trichlorophenol	40.000	38.726	3.2	84	0.00
44	2,4,5-Trichlorophenol	40.000	37.228	6.9	81	0.00
45 S	2-Fluorobiphenyl	80.000	72.599	9.3	82	0.00
46	1,1'-Biphenyl	40.000	37.331	6.7	85	0.00
47	2-Chloronaphthalene	40.000	36.205	9.5	82	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064577.D
 Acq On : 24 Oct 2025 16:47
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ICVBG102425

Quant Time: Oct 24 17:24:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	36.129	9.7	87	0.00
49	Acenaphthylene	40.000	41.457	-3.6	93	0.00
50	Dimethylphthalate	40.000	36.890	7.8	82	0.00
51	2,6-Dinitrotoluene	40.000	39.971	0.1	96	0.00
52 C	Acenaphthene	40.000	35.340	11.6	80	0.00
53	3-Nitroaniline	40.000	42.080	-5.2	89	0.00
54 P	2,4-Dinitrophenol	40.000	33.991	15.0	82	0.00
55	Dibenzofuran	40.000	36.096	9.8	82	0.00
56 P	4-Nitrophenol	40.000	33.818	15.5	75	0.00
57	2,4-Dinitrotoluene	40.000	35.957	10.1	85	0.00
58	Fluorene	40.000	36.238	9.4	82	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.525	-1.3	88	0.00
60	Diethylphthalate	40.000	35.961	10.1	81	0.00
61	4-Chlorophenyl-phenylether	40.000	35.902	10.2	81	0.00
62	4-Nitroaniline	40.000	37.867	5.3	81	-0.01
63	Azobenzene	40.000	36.325	9.2	81	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	93	0.00
65	4,6-Dinitro-2-methylphenol	40.000	34.885	12.8	82	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.325	4.2	82	0.00
67	4-Bromophenyl-phenylether	40.000	38.044	4.9	81	0.00
68	Hexachlorobenzene	40.000	36.971	7.6	79	0.00
69	Atrazine	40.000	38.558	3.6	85	0.00
70 C	Pentachlorophenol	40.000	34.829	12.9	76	0.00
71	Phenanthrene	40.000	35.925	10.2	78	0.00
72	Anthracene	40.000	36.210	9.5	79	0.00
73	Carbazole	40.000	35.061	12.3	77	0.00
74	Di-n-butylphthalate	40.000	34.688	13.3	73	0.00
75 C	Fluoranthene	40.000	34.070	14.8	75	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	88	0.00
77	Benzydine	40.000	54.203	-35.5#	109	0.00
78	Pyrene	40.000	36.130	9.7	74	0.00
79 S	Terphenyl-d14	80.000	74.019	7.5	76	0.00
80	Butylbenzylphthalate	40.000	38.702	3.2	75	0.00
81	Benzo(a)anthracene	40.000	36.287	9.3	75	0.00
82	3,3'-Dichlorobenzidine	40.000	40.813	-2.0	83	0.00
83	Chrysene	40.000	35.533	11.2	74	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	37.470	6.3	73	0.00
85 c	Di-n-octyl phthalate	40.000	36.087	9.8	73	0.00
86 I	Perylene-d12	20.000	20.000	0.0	87	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	36.366	9.1	75	-0.02
88	Benzo(b)fluoranthene	40.000	36.235	9.4	74	0.00
89	Benzo(k)fluoranthene	40.000	37.252	6.9	78	-0.01
90 C	Benzo(a)pyrene	40.000	37.700	5.7	77	-0.01
91	Dibenzo(a,h)anthracene	40.000	36.776	8.1	76	-0.02
92	Benzo(g,h,i)perylene	40.000	36.366	9.1	75	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

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

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

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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
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Instrument :
 BNA_G
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Quant Time: Oct 24 17:24:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
2	1,4-Dioxane	0.528	0.446	15.5	79	0.00
3	Pyridine	1.584	1.319	16.7	73	0.00
4	n-Nitrosodimethylamine	0.850	0.765	10.0	79	-0.01
5 S	2-Fluorophenol	1.192	1.051	11.8	75	0.00
6	Aniline	2.225	2.120	4.7	82	0.00
7 S	Phenol-d6	1.635	1.515	7.3	79	0.00
8	2-Chlorophenol	1.247	1.153	7.5	78	0.00
9	Benzaldehyde	0.893	1.136	-27.2#	112	0.00
10 C	Phenol	1.808	1.646	9.0	78	-0.01
11	bis(2-Chloroethyl)ether	2.225	2.120	4.7	82	0.00
12	1,3-Dichlorobenzene	1.435	1.295	9.8	79	0.00
13 C	1,4-Dichlorobenzene	1.460	1.373	6.0	83	0.00
14	1,2-Dichlorobenzene	1.408	1.300	7.7	81	0.00
15	Benzyl Alcohol	1.348	1.281	5.0	83	-0.01
16	2,2'-oxybis(1-Chloropropane	3.487	3.153	9.6	78	0.00
17	2-Methylphenol	0.674	0.656	2.7	81	0.00
18	Hexachloroethane	0.512	0.458	10.5	78	0.00
19 P	n-Nitroso-di-n-propylamine	1.130	1.118	1.1	84	0.00
20	3+4-Methylphenols	1.688	1.599	5.3	81	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	95	0.00
22	Acetophenone	0.547	0.517	5.5	84	0.00
23 S	Nitrobenzene-d5	0.333	0.319	4.2	81	0.00
24	Nitrobenzene	0.362	0.356	1.7	83	0.00
25	Isophorone	0.799	0.754	5.6	83	-0.01
26 C	2-Nitrophenol	0.121	0.121	0.0	84	0.00
27	2,4-Dimethylphenol	0.303	0.313	-3.3	89	0.00
28	bis(2-Chloroethoxy)methane	0.455	0.420	7.7	82	0.00
29 C	2,4-Dichlorophenol	0.320	0.305	4.7	81	0.00
30	1,2,4-Trichlorobenzene	0.363	0.345	5.0	84	0.00
31	Naphthalene	1.109	0.990	10.7	80	0.00
32	Benzoic acid	0.189	0.198	-4.8	93	-0.05
33	4-Chloroaniline	0.431	0.445	-3.2	92	0.00
34 C	Hexachlorobutadiene	0.284	0.250	12.0	80	0.00
35	Caprolactam	0.123	0.111	9.8	79	-0.03
36 C	4-Chloro-3-methylphenol	0.384	0.366	4.7	82	0.00
37	2-Methylnaphthalene	0.814	0.680	16.5	75	0.00
38	1-Methylnaphthalene	0.801	0.716	10.6	80	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00
40	1,2,4,5-Tetrachlorobenzene	0.671	0.623	7.2	84	0.00
41 P	Hexachlorocyclopentadiene	0.302	0.383	-26.8#	112	0.00
42 S	2,4,6-Tribromophenol	0.289	0.271	6.2	81	0.00
43 C	2,4,6-Trichlorophenol	0.384	0.372	3.1	84	0.00
44	2,4,5-Trichlorophenol	0.443	0.412	7.0	81	0.00
45 S	2-Fluorobiphenyl	1.319	1.197	9.2	82	0.00
46	1,1'-Biphenyl	1.422	1.327	6.7	85	0.00
47	2-Chloronaphthalene	1.073	0.971	9.5	82	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
 Data File : BG064577.D
 Acq On : 24 Oct 2025 16:47
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ICVBG102425

Quant Time: Oct 24 17:24:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.311	0.318	-2.3	87	0.00
49	Acenaphthylene	1.693	1.755	-3.7	93	0.00
50	Dimethylphthalate	1.530	1.411	7.8	82	0.00
51	2,6-Dinitrotoluene	0.218	0.249	-14.2	96	0.00
52 C	Acenaphthene	1.157	1.022	11.7	80	0.00
53	3-Nitroaniline	0.263	0.277	-5.3	89	0.00
54 P	2,4-Dinitrophenol	0.132	0.118	10.6	82	0.00
55	Dibenzofuran	1.870	1.687	9.8	82	0.00
56 P	4-Nitrophenol	0.244	0.206	15.6	75	0.00
57	2,4-Dinitrotoluene	0.340	0.343	-0.9	85	0.00
58	Fluorene	1.460	1.323	9.4	82	0.00
59	2,3,4,6-Tetrachlorophenol	0.424	0.429	-1.2	88	0.00
60	Diethylphthalate	1.563	1.405	10.1	81	0.00
61	4-Chlorophenyl-phenylether	0.820	0.736	10.2	81	0.00
62	4-Nitroaniline	0.293	0.277	5.5	81	-0.01
63	Azobenzene	1.434	1.302	9.2	81	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
65	4,6-Dinitro-2-methylphenol	0.079	0.073	7.6	82	0.00
66 c	n-Nitrosodiphenylamine	0.540	0.518	4.1	82	0.00
67	4-Bromophenyl-phenylether	0.237	0.225	5.1	81	0.00
68	Hexachlorobenzene	0.270	0.250	7.4	79	0.00
69	Atrazine	0.232	0.224	3.4	85	0.00
70 C	Pentachlorophenol	0.169	0.147	13.0	76	0.00
71	Phenanthrene	1.094	0.982	10.2	78	0.00
72	Anthracene	1.113	1.007	9.5	79	0.00
73	Carbazole	0.981	0.860	12.3	77	0.00
74	Di-n-butylphthalate	1.134	0.984	13.2	73	0.00
75 C	Fluoranthene	1.370	1.167	14.8	75	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	88	0.00
77	Benzidine	0.448	0.607	-35.5#	109	0.00
78	Pyrene	1.307	1.180	9.7	74	0.00
79 S	Terphenyl-d14	1.060	0.981	7.5	76	0.00
80	Butylbenzylphthalate	0.395	0.382	3.3	75	0.00
81	Benzo(a)anthracene	1.326	1.203	9.3	75	0.00
82	3,3'-Dichlorobenzidine	0.443	0.452	-2.0	83	0.00
83	Chrysene	1.262	1.121	11.2	74	0.00
84	Bis(2-ethylhexyl)phthalate	0.590	0.553	6.3	73	0.00
85 c	Di-n-octyl phthalate	0.995	0.898	9.7	73	0.00
86 I	Perylene-d12	1.000	1.000	0.0	87	0.00
87	Indeno(1,2,3-cd)pyrene	1.471	1.338	9.0	75	-0.02
88	Benzo(b)fluoranthene	1.226	1.111	9.4	74	0.00
89	Benzo(k)fluoranthene	1.227	1.143	6.8	78	-0.01
90 C	Benzo(a)pyrene	1.127	1.062	5.8	77	-0.01
91	Dibenzo(a,h)anthracene	1.195	1.099	8.0	76	-0.02
92	Benzo(g,h,i)perylene	1.471	1.338	9.0	75	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range

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



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>ICES02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3400</u>
Instrument ID:	<u>BNA_G</u>	Calibration Date/Time:	<u>10/27/2025 11:57</u>
Lab File ID:	<u>BG064583.D</u>	Init. Calib. Date(s):	<u>10/24/2025 10/24/2025</u>
EPA Sample No.:	<u>SSTDCCC040</u>	Init. Calib. Time(s):	<u>09:00 15:32</u>
GC Column:	<u>ZB-GR</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.450		21.6	
Benzaldehyde	0.893	1.717		92.3	
Phenol-d6	1.635	2.044		25.0	
Phenol	1.808	2.253		24.6	20.0
bis(2-Chloroethyl)ether	2.225	2.744		23.3	
2-Chlorophenol	1.247	1.578		26.5	
2-Methylphenol	0.674	0.741		9.9	
2,2-oxybis(1-Chloropropane)	3.487	3.810		9.3	
Acetophenone	0.547	0.561		2.6	
3+4-Methylphenols	1.688	1.798		6.5	
n-Nitroso-di-n-propylamine	1.130	1.299	0.050	15.0	
Nitrobenzene-d5	0.333	0.335		0.6	
Hexachloroethane	0.512	0.530		3.5	
Nitrobenzene	0.362	0.371		2.5	
Isophorone	0.799	0.838		4.9	
2-Nitrophenol	0.121	0.114		-5.8	20.0
2,4-Dimethylphenol	0.303	0.316		4.3	
bis(2-Chloroethoxy)methane	0.455	0.477		4.8	
2,4-Dichlorophenol	0.320	0.336		5.0	20.0
Naphthalene	1.109	1.134		2.3	
4-Chloroaniline	0.431	0.451		4.6	
Hexachlorobutadiene	0.284	0.289		1.8	20.0
Caprolactam	0.123	0.118		-4.1	
4-Chloro-3-methylphenol	0.384	0.401		4.4	20.0
2-Methylnaphthalene	0.814	0.842		3.4	
Hexachlorocyclopentadiene	0.302	0.278	0.050	-7.9	
2,4,6-Trichlorophenol	0.384	0.396		3.1	20.0
2-Fluorobiphenyl	1.319	1.332		1.0	
2,4,5-Trichlorophenol	0.443	0.454		2.5	
1,1-Biphenyl	1.422	1.458		2.5	
2-Chloronaphthalene	1.073	1.098		2.3	
2-Nitroaniline	0.311	0.299		-3.9	
Dimethylphthalate	1.530	1.534		0.3	
Acenaphthylene	1.693	1.726		1.9	
2,6-Dinitrotoluene	0.218	0.217		-0.5	
3-Nitroaniline	0.263	0.266		1.1	
Acenaphthene	1.157	1.176		1.6	20.0
2,4-Dinitrophenol	0.132	0.132	0.050	0.0	
4-Nitrophenol	0.244	0.236	0.050	-3.3	



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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ICES02
 Lab Code: ACE SDG No.: Q3400
 Instrument ID: BNA_G Calibration Date/Time: 10/27/2025 11:57
 Lab File ID: BG064583.D Init. Calib. Date(s): 10/24/2025 10/24/2025
 EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32
 GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.902		1.7	
2,4-Dinitrotoluene	0.340	0.332		-2.4	
Diethylphthalate	1.563	1.538		-1.6	
4-Chlorophenyl-phenylether	0.820	0.816		-0.5	
Fluorene	1.460	1.460		0.0	
4-Nitroaniline	0.293	0.301		2.7	
4,6-Dinitro-2-methylphenol	0.079	0.080		1.3	
n-Nitrosodiphenylamine	0.540	0.565		4.6	20.0
2,4,6-Tribromophenol	0.289	0.288		-0.3	
4-Bromophenyl-phenylether	0.237	0.247		4.2	
Hexachlorobenzene	0.270	0.278		3.0	
Atrazine	0.232	0.221		-4.7	
Pentachlorophenol	0.169	0.169		0.0	20.0
Phenanthrene	1.094	1.114		1.8	
Anthracene	1.113	1.141		2.5	
Carbazole	0.981	0.995		1.4	
Di-n-butylphthalate	1.135	1.104		-2.7	
Fluoranthene	1.370	1.371		0.1	20.0
Pyrene	1.307	1.325		1.4	
Terphenyl-d14	1.060	1.070		0.8	
Butylbenzylphthalate	0.395	0.419		6.1	
3,3-Dichlorobenzidine	0.443	0.452		2.0	
Benzo (a) anthracene	1.326	1.373		3.5	
Chrysene	1.262	1.294		2.5	
Bis(2-ethylhexyl)phthalate	0.590	0.622		5.4	
Di-n-octyl phthalate	0.995	1.040		4.5	20.0
Benzo (b) fluoranthene	1.226	1.264		3.1	
Benzo (k) fluoranthene	1.227	1.298		5.8	
Benzo (a) pyrene	1.127	1.172		4.0	20.0
Indeno (1,2,3-cd) pyrene	1.471	1.523		3.5	
Dibenzo (a,h) anthracene	1.195	1.242		3.9	
Benzo (g,h,i) perylene	1.471	1.523		3.5	
1,2,4,5-Tetrachlorobenzene	0.671	0.671		0.0	
1,4-Dioxane	0.528	0.633		19.9	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.435		2.6	

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064583.D
 Acq On : 27 Oct 2025 11:57
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Quant Time: Oct 27 12:47:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	39737	20.000	ng	0.00
21) Naphthalene-d8	11.046	136	173874	20.000	ng	0.00
39) Acenaphthene-d10	14.842	164	136456	20.000	ng	0.00
64) Phenanthrene-d10	17.580	188	324576	20.000	ng	0.00
76) Chrysene-d12	21.851	240	347536	20.000	ng	-0.01
86) Perylene-d12	25.194	264	368889	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.746	112	230506	97.366	ng	0.00
7) Phenol-d6	7.350	99	324858	100.000	ng	0.00
23) Nitrobenzene-d5	9.383	82	233175	80.547	ng	0.00
42) 2,4,6-Tribromophenol	16.316	330	157029	79.732	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	726855	80.739	ng	0.00
79) Terphenyl-d14	20.171	244	1486757	80.733	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.590	88	50329	48.018	ng	96
3) Pyridine	3.995	79	195127	61.994	ng	97
4) n-Nitrosodimethylamine	3.901	42	79462	47.077	ng	96
6) Aniline	7.527	93	218097	49.338	ng	98
8) 2-Chlorophenol	7.773	128	125412	50.611	ng	97
9) Benzaldehyde	7.339	77	136425	76.923	ng	97
10) Phenol	7.380	94	179040	49.835	ng	96
11) bis(2-Chloroethyl)ether	7.527	93	218097	49.338	ng	98
12) 1,3-Dichlorobenzene	8.108	146	118958	41.710	ng	96
13) 1,4-Dichlorobenzene	8.255	146	120647	41.603	ng	99
14) 1,2-Dichlorobenzene	8.578	146	116103	41.508	ng	96
15) Benzyl Alcohol	8.449	79	115357	43.062	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.737	45	302812	43.704	ng	98
17) 2-Methylphenol	8.449	107	58865	43.960	ng	92
18) Hexachloroethane	9.325	117	42141	41.409	ng	98
19) n-Nitroso-di-n-propyla...	9.025	70	103213	45.972	ng	96
20) 3+4-Methylphenols	8.972	107	142872	42.591	ng	96
22) Acetophenone	9.042	105	195028	41.032	ng	95
24) Nitrobenzene	9.424	77	128864	40.927	ng	99
25) Isophorone	9.953	82	291391	41.948	ng	99
26) 2-Nitrophenol	10.141	139	39727	33.699	ng	92
27) 2,4-Dimethylphenol	10.188	122	109961	41.721	ng	94
28) bis(2-Chloroethoxy)met...	10.435	93	165991	41.969	ng	98
29) 2,4-Dichlorophenol	10.676	162	116926	42.048	ng	95
30) 1,2,4-Trichlorobenzene	10.905	180	128652	40.719	ng	99
31) Naphthalene	11.099	128	394232	40.895	ng	99
32) Benzoic acid	10.317	122	61367	34.567	ng	93
33) 4-Chloroaniline	11.187	127	156793	41.846	ng	98
34) Hexachlorobutadiene	11.387	225	100526	40.684	ng	98
35) Caprolactam	11.951	113	41048	38.487	ng	# 88
36) 4-Chloro-3-methylphenol	12.292	107	139274	41.668	ng	98
37) 2-Methylnaphthalene	12.685	142	292711	41.357	ng	99
38) 1-Methylnaphthalene	12.903	142	286227	41.099	ng	98
40) 1,2,4,5-Tetrachloroben...	13.050	216	183039	39.969	ng	99
41) Hexachlorocyclopentadiene	13.038	237	75893	36.818	ng	98
43) 2,4,6-Trichlorophenol	13.279	196	108131	41.278	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064583.D
 Acq On : 27 Oct 2025 11:57
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTDCCC040

Quant Time: Oct 27 12:47:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

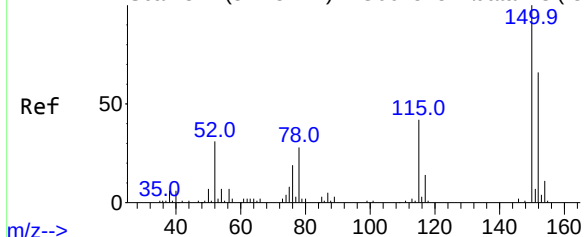
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.343	196	123941	41.000	ng	99
46) 1,1'-Biphenyl	13.678	154	397857	41.012	ng	97
47) 2-Chloronaphthalene	13.725	162	299701	40.928	ng	99
48) 2-Nitroaniline	13.907	65	81503	34.152	ng	93
49) Acenaphthylene	14.565	152	471014	40.780	ng	99
50) Dimethylphthalate	14.283	163	418670	40.096	ng	100
51) 2,6-Dinitrotoluene	14.395	165	59354	35.352	ng	98
52) Acenaphthene	14.906	154	320852	40.659	ng	99
53) 3-Nitroaniline	14.724	138	72727	40.529	ng	92
54) 2,4-Dinitrophenol	14.924	184	35977	37.232	ng	97
55) Dibenzofuran	15.235	168	519158	40.693	ng	99
56) 4-Nitrophenol	15.012	139	64395	38.706	ng	97
57) 2,4-Dinitrotoluene	15.182	165	90701	34.936	ng	# 95
58) Fluorene	15.882	166	398395	39.986	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.453	232	118842	41.112	ng	98
60) Diethylphthalate	15.647	149	419702	39.366	ng	100
61) 4-Chlorophenyl-phenyle...	15.876	204	222810	39.849	ng	96
62) 4-Nitroaniline	15.882	138	82074	41.112	ng	96
63) Azobenzene	16.164	77	404156	41.315	ng	99
65) 4,6-Dinitro-2-methylph...	15.940	198	51664	37.510	ng	97
66) n-Nitrosodiphenylamine	16.081	169	367072	41.867	ng	99
67) 4-Bromophenyl-phenylether	16.763	248	160468	41.720	ng	99
68) Hexachlorobenzene	16.886	284	180323	41.094	ng	97
69) Atrazine	17.021	200	143289	37.977	ng	98
70) Pentachlorophenol	17.221	266	109806	40.129	ng	91
71) Phenanthrene	17.621	178	723122	40.740	ng	99
72) Anthracene	17.715	178	740918	41.035	ng	98
73) Carbazole	17.967	167	645806	40.561	ng	99
74) Di-n-butylphthalate	18.531	149	716403	38.911	ng	99
75) Fluoranthene	19.612	202	889861	40.019	ng	100
77) Benzidine	19.783	184	466575	59.923	ng	99
78) Pyrene	19.971	202	921148	40.568	ng	98
80) Butylbenzylphthalate	20.852	149	290894	42.388	ng	96
81) Benzo(a)anthracene	21.833	228	954317	41.414	ng	99
82) 3,3'-Dichlorobenzidine	21.733	252	314331	40.849	ng	99
83) Chrysene	21.904	228	899714	41.033	ng	97
84) Bis(2-ethylhexyl)phtha...	21.745	149	432180	42.146	ng	97
85) Di-n-octyl phthalate	23.008	149	722967	41.817	ng	100
87) Indeno(1,2,3-cd)pyrene	29.031	276	1123402	41.398	ng	99
88) Benzo(b)fluoranthene	24.137	252	932900	41.242	ng	98
89) Benzo(k)fluoranthene	24.207	252	957914	42.319	ng	98
90) Benzo(a)pyrene	25.041	252	864413	41.573	ng	100
91) Dibenzo(a,h)anthracene	29.101	278	916106	41.553	ng	98
92) Benzo(g,h,i)perylene	29.031	276	1123402	41.398	ng	99

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

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

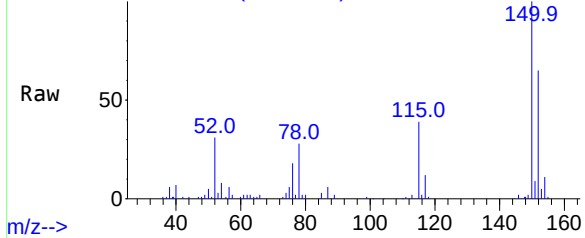
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Abundance Scan 874 (8.223 min): BG064573.D\data.ms (-86)



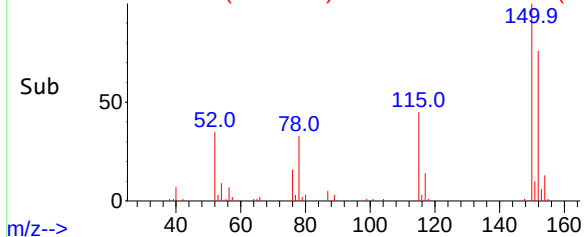
m/z-->

Abundance Scan 873 (8.220 min): BG064583.D\data.ms



m/z-->

Abundance Scan 873 (8.220 min): BG064583.D\data.ms (-85)



m/z-->

#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.220 min Scan# 81

Delta R.T. -0.001 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 39737

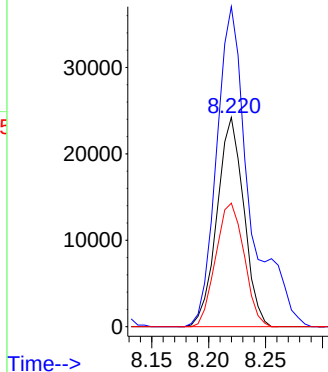
Ion Ratio Lower Upper

152 100

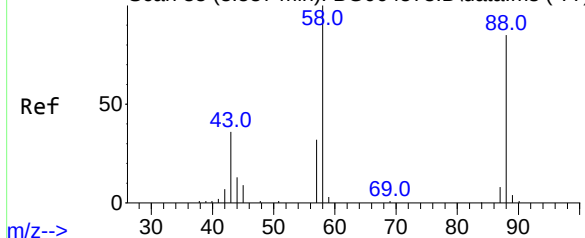
150 152.9 122.2 183.4

115 59.0 50.8 76.2

Abundance

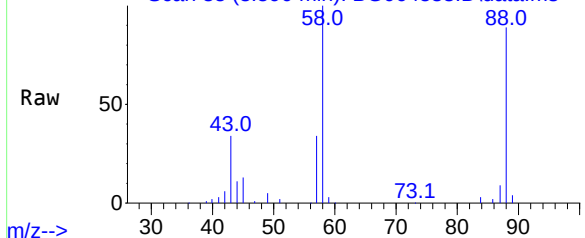


Abundance Scan 85 (3.587 min): BG064573.D\data.ms (-77)



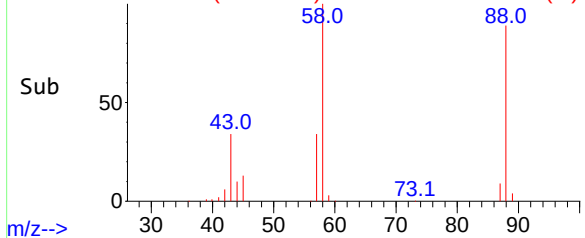
m/z-->

Abundance Scan 85 (3.590 min): BG064583.D\data.ms



m/z-->

Abundance Scan 85 (3.590 min): BG064583.D\data.ms (-1)



m/z-->

#2

1,4-Dioxane

Concen: 48.018 ng

RT: 3.590 min Scan# 85

Delta R.T. -0.001 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Tgt Ion: 88 Resp: 50329

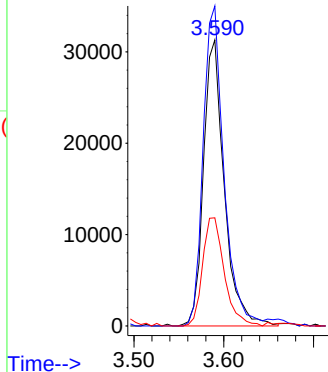
Ion Ratio Lower Upper

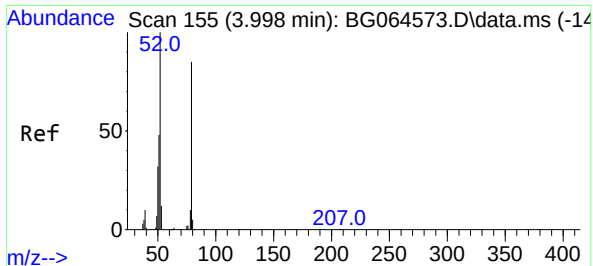
88 100

58 111.3 92.4 138.6

43 39.5 33.0 49.6

Abundance

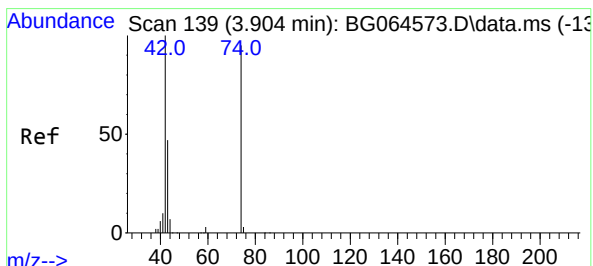
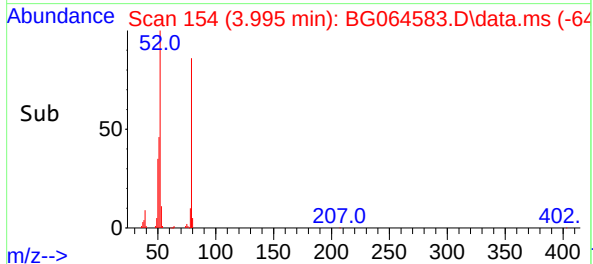
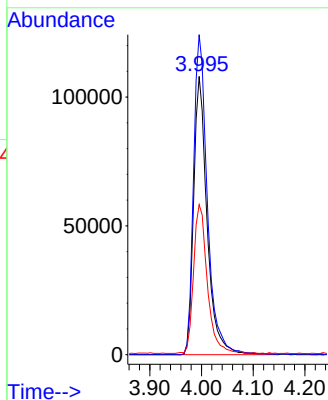
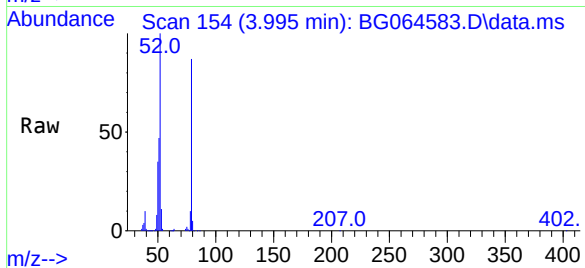




#3
Pyridine
Concen: 61.994 ng
RT: 3.995 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

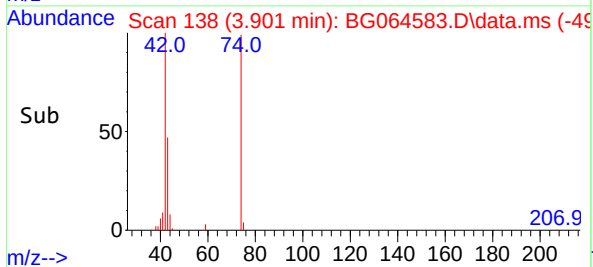
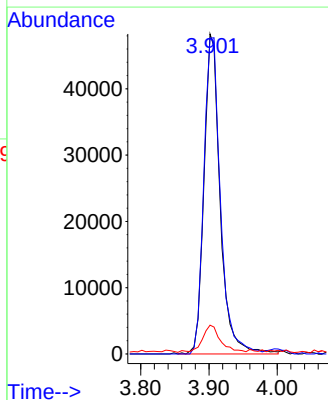
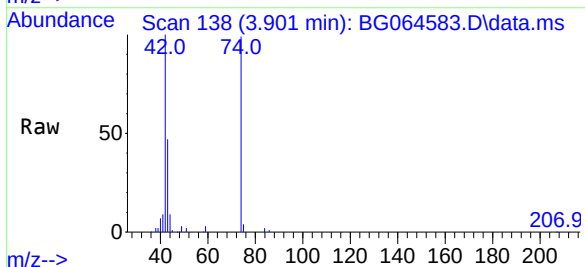
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

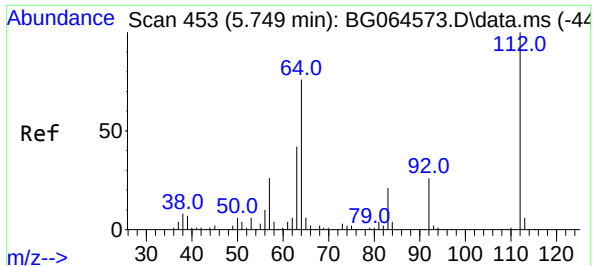
Tgt Ion: 79 Resp: 195127
Ion Ratio Lower Upper
79 100
52 115.0 94.2 141.2
51 53.9 46.1 69.1



#4
n-Nitrosodimethylamine
Concen: 47.077 ng
RT: 3.901 min Scan# 138
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 42 Resp: 79462
Ion Ratio Lower Upper
42 100
74 98.7 76.1 114.1
44 9.0 6.3 9.5

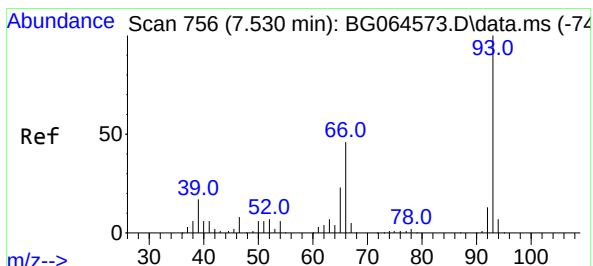
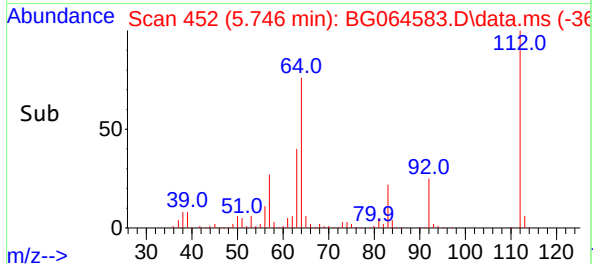
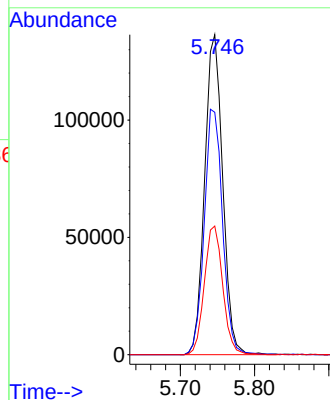
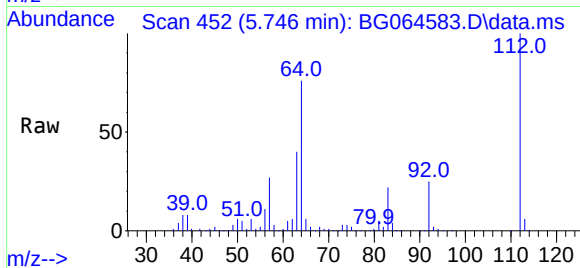




#5
2-Fluorophenol
Concen: 97.366 ng
RT: 5.746 min Scan# 411
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

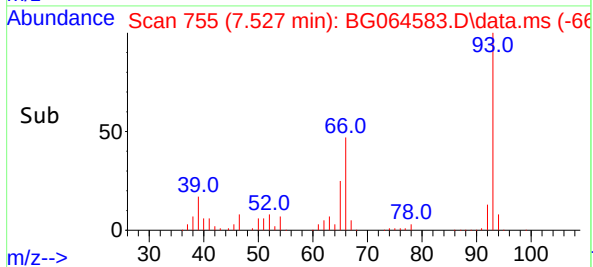
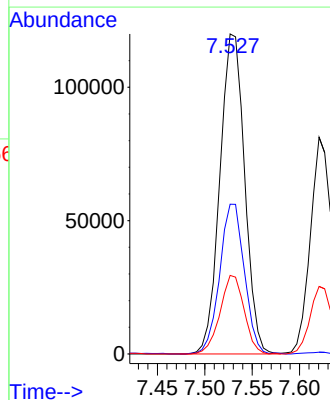
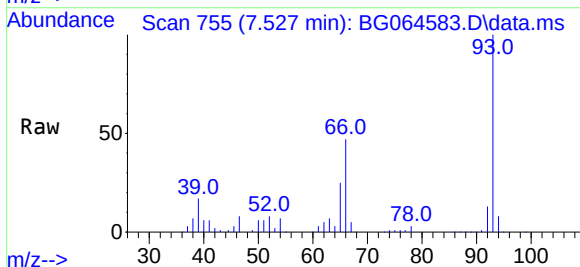
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 230506
Ion Ratio Lower Upper
112 100
64 75.7 60.7 91.1
63 40.2 33.4 50.0

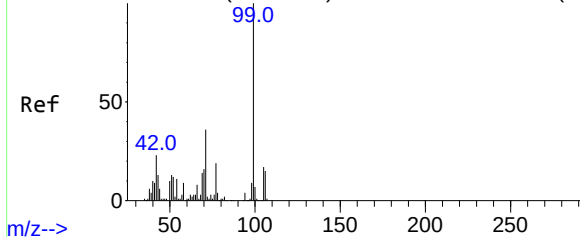


#6
Aniline
Concen: 49.338 ng
RT: 7.527 min Scan# 755
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 93 Resp: 218097
Ion Ratio Lower Upper
93 100
66 46.8 37.0 55.6
65 24.6 18.3 27.5



Abundance Scan 726 (7.353 min): BG064573.D\data.ms (-71



#7

Phenol-d6

Concen: 100.000 ng

RT: 7.350 min Scan# 71

Delta R.T. -0.006 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Instrument :

BNA_G

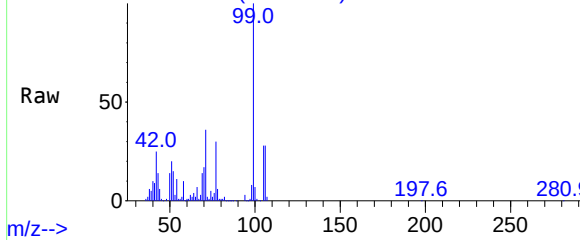
ClientSampleId :

SSTDCCC040

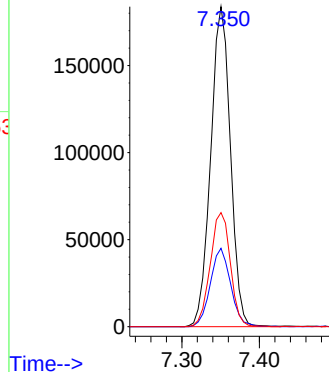
Tgt Ion: 99 Resp: 324858

Ion	Ratio	Lower	Upper
99	100		
42	24.5	18.3	27.5
71	35.6	28.6	43.0

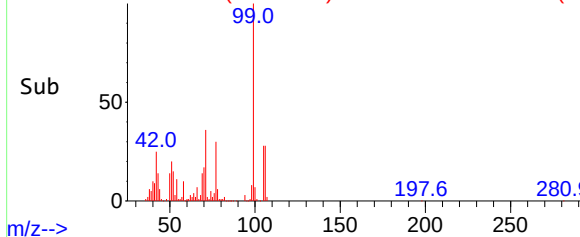
Abundance Scan 725 (7.350 min): BG064583.D\data.ms



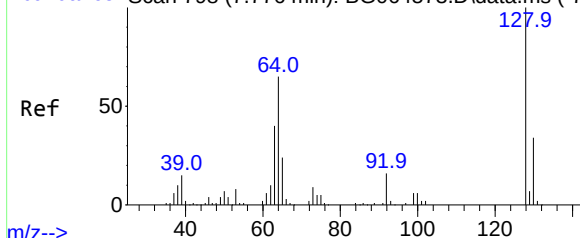
Abundance



Abundance Scan 725 (7.350 min): BG064583.D\data.ms (-63



Abundance Scan 798 (7.776 min): BG064573.D\data.ms (-79



#8

2-Chlorophenol

Concen: 50.611 ng

RT: 7.773 min Scan# 797

Delta R.T. -0.006 min

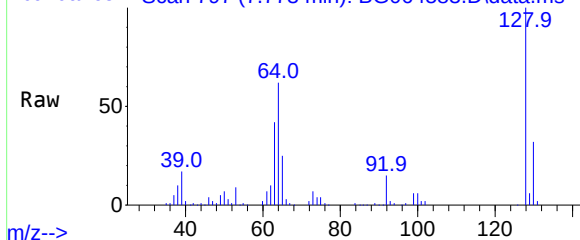
Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

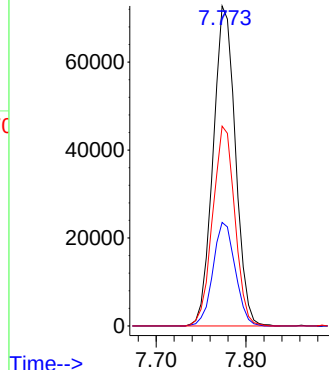
Tgt Ion: 128 Resp: 125412

Ion	Ratio	Lower	Upper
128	100		
130	32.3	13.5	53.5
64	62.5	45.2	85.2

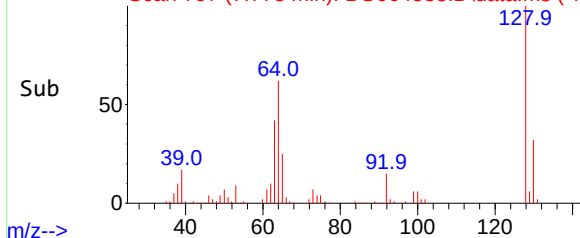
Abundance Scan 797 (7.773 min): BG064583.D\data.ms



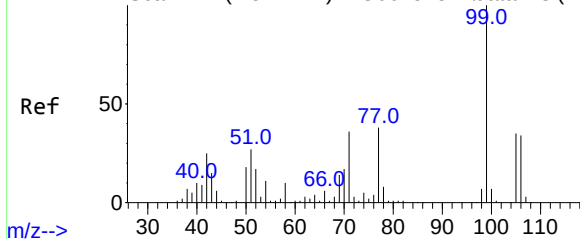
Abundance



Abundance Scan 797 (7.773 min): BG064583.D\data.ms (-70



Abundance Scan 724 (7.342 min): BG064573.D\data.ms (-71



#9

Benzaldehyde

Concen: 76.923 ng

RT: 7.339 min Scan# 71

Delta R.T. -0.001 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Instrument :

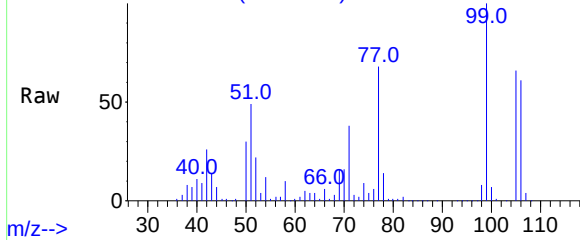
BNA_G

ClientSampleId :

SSTDCCC040

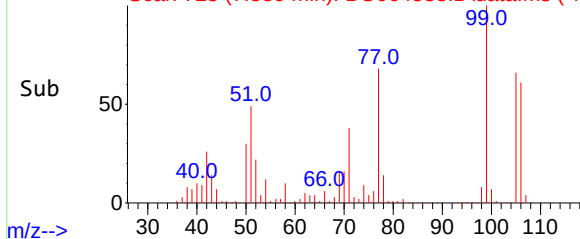
m/z-->

Abundance Scan 723 (7.339 min): BG064583.D\data.ms



m/z-->

Abundance Scan 723 (7.339 min): BG064583.D\data.ms (-70



m/z-->

Tgt Ion: 77 Resp: 136425

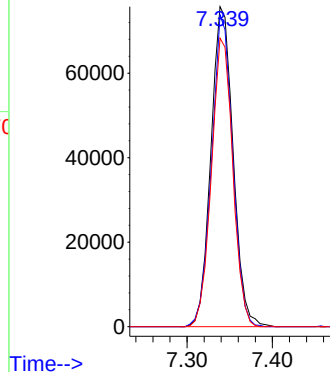
Ion Ratio Lower Upper

77 100

105 97.5 72.9 112.9

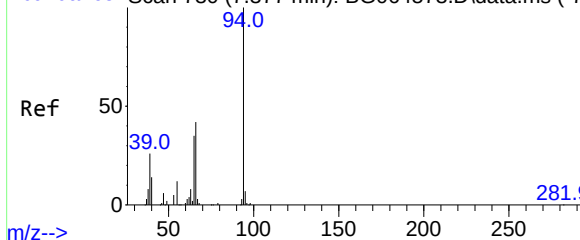
106 90.2 70.8 110.8

Abundance



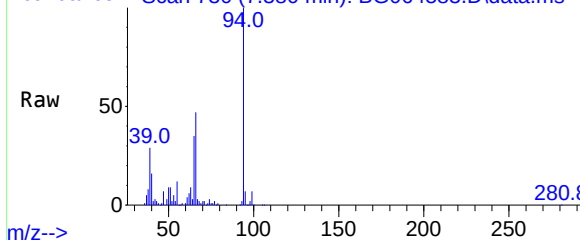
Time-->

Abundance Scan 730 (7.377 min): BG064573.D\data.ms (-72



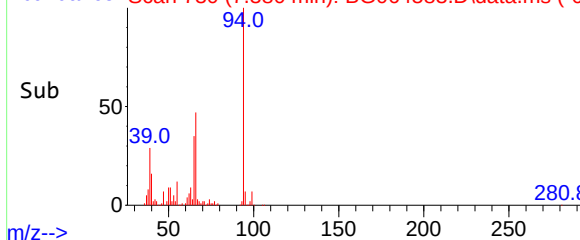
m/z-->

Abundance Scan 730 (7.380 min): BG064583.D\data.ms



m/z-->

Abundance Scan 730 (7.380 min): BG064583.D\data.ms (-64



m/z-->

#10

Phenol

Concen: 49.835 ng

RT: 7.380 min Scan# 730

Delta R.T. -0.006 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Tgt Ion: 94 Resp: 179040

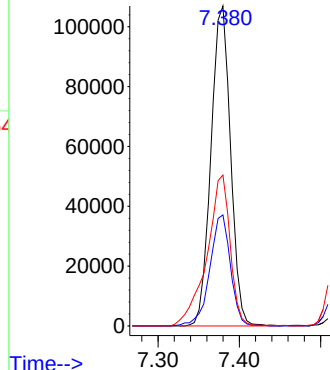
Ion Ratio Lower Upper

94 100

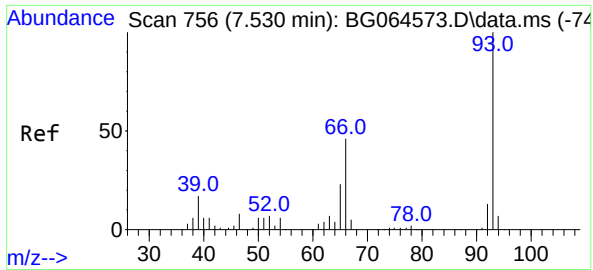
65 34.7 15.8 55.8

66 47.2 24.0 64.0

Abundance



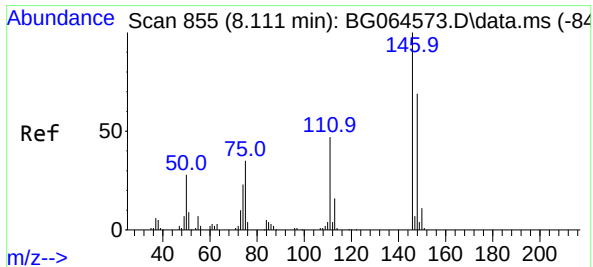
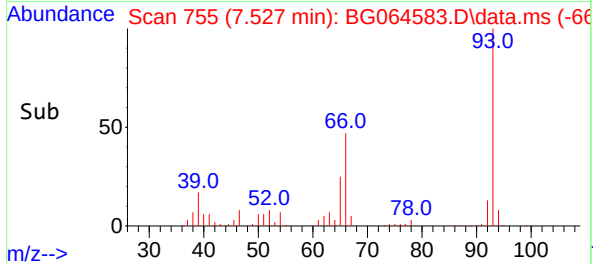
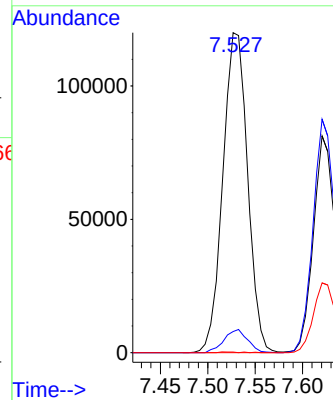
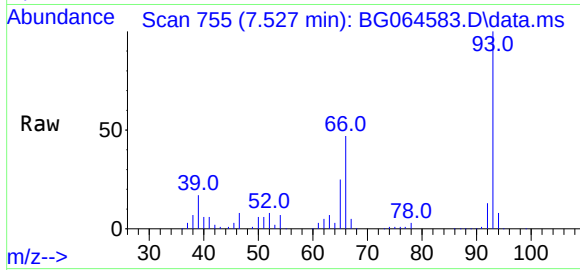
Time-->



#11
bis(2-Chloroethyl)ether
Concen: 49.338 ng
RT: 7.527 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

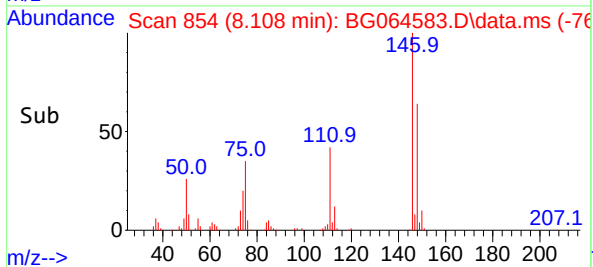
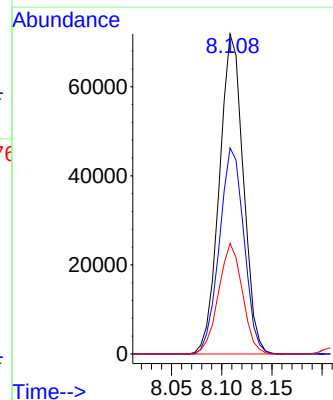
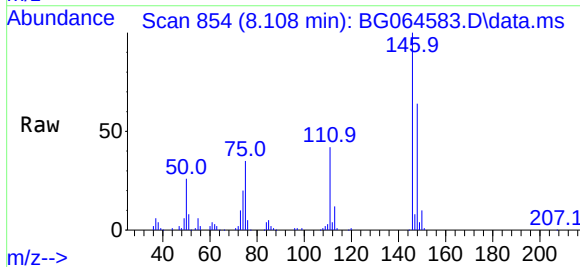
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 218097
Ion Ratio Lower Upper
93 100
63 6.6 0.0 27.4
95 0.2 0.0 20.2

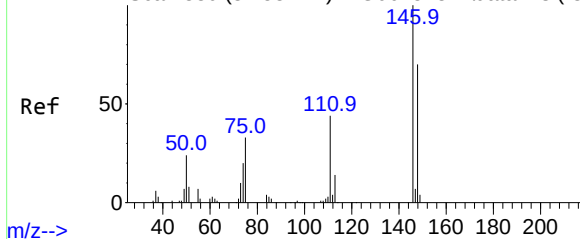


#12
1,3-Dichlorobenzene
Concen: 41.710 ng
RT: 8.108 min Scan# 854
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:146 Resp: 118958
Ion Ratio Lower Upper
146 100
148 64.4 55.3 82.9
75 34.6 28.2 42.2

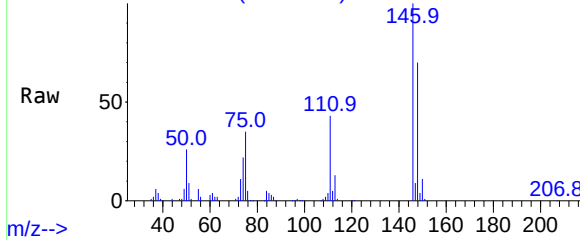


Abundance Scan 880 (8.258 min): BG064573.D\data.ms (-87



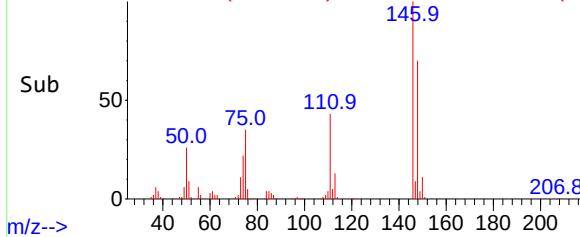
m/z-->

Abundance Scan 879 (8.255 min): BG064583.D\data.ms



m/z-->

Abundance Scan 879 (8.255 min): BG064583.D\data.ms (-78



m/z-->

#13

1,4-Dichlorobenzene

Concen: 41.603 ng

RT: 8.255 min Scan# 81

Delta R.T. -0.001 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

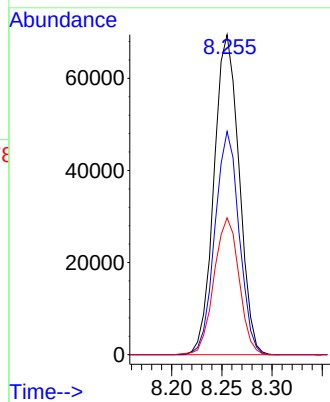
Tgt Ion:146 Resp: 120647

Ion Ratio Lower Upper

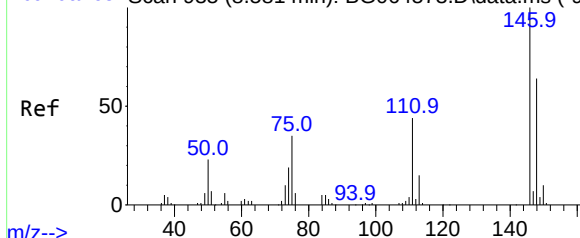
146 100

148 69.8 56.2 84.4

111 42.8 35.4 53.0

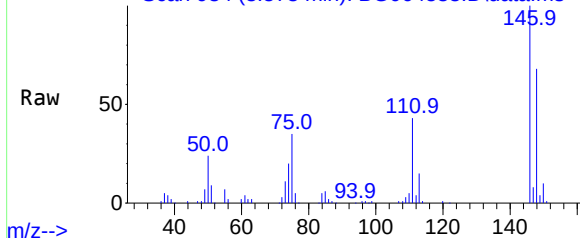


Abundance Scan 935 (8.581 min): BG064573.D\data.ms (-92



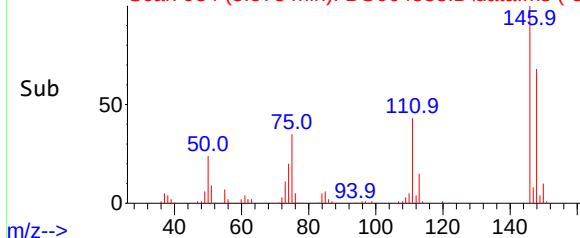
m/z-->

Abundance Scan 934 (8.578 min): BG064583.D\data.ms



m/z-->

Abundance Scan 934 (8.578 min): BG064583.D\data.ms (-84



m/z-->

#14

1,2-Dichlorobenzene

Concen: 41.508 ng

RT: 8.578 min Scan# 934

Delta R.T. -0.001 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

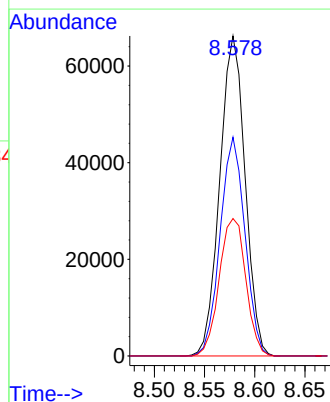
Tgt Ion:146 Resp: 116103

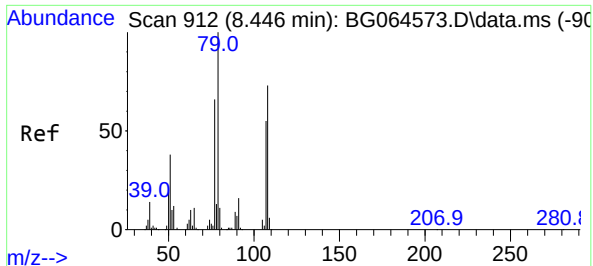
Ion Ratio Lower Upper

146 100

148 68.4 51.5 77.3

111 43.0 35.0 52.6

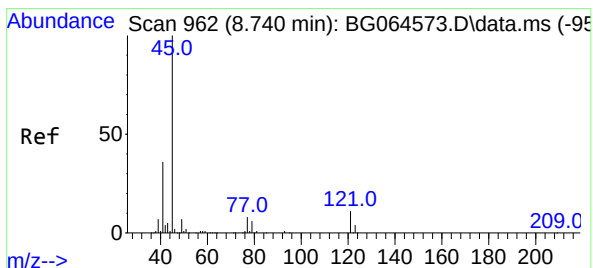
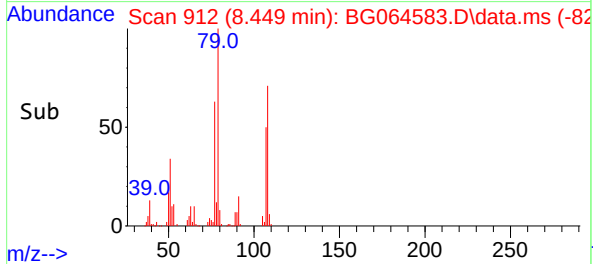
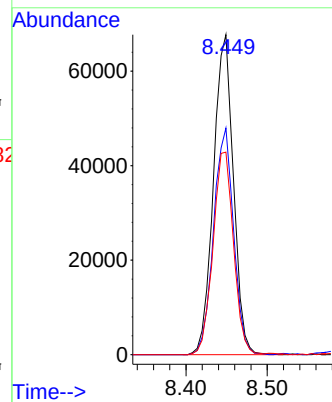
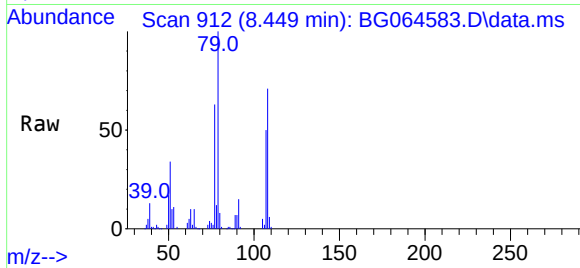




#15
Benzyl Alcohol
Concen: 43.062 ng
RT: 8.449 min Scan# 912
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

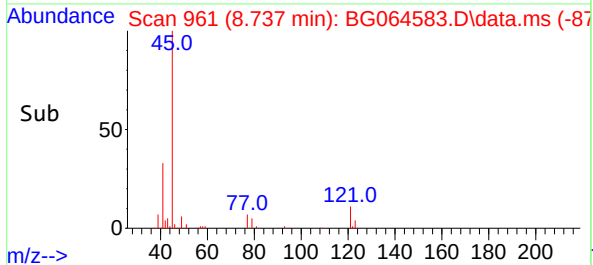
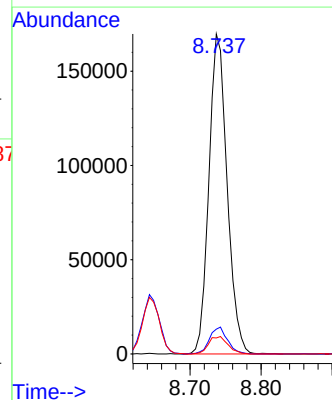
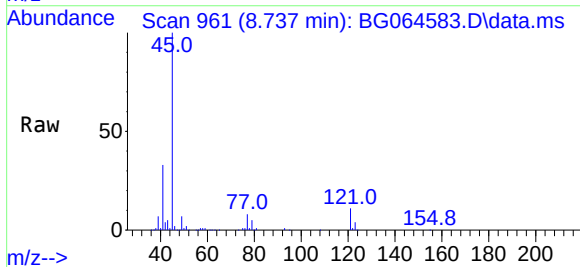
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

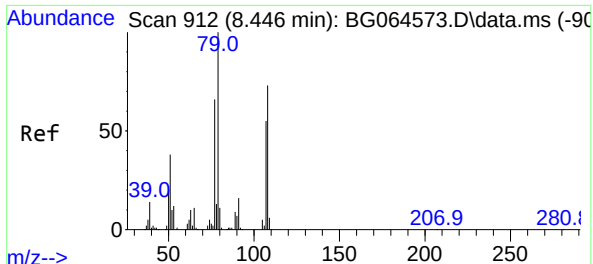
Tgt Ion: 79 Resp: 115357
Ion Ratio Lower Upper
79 100
108 70.8 58.1 87.1
77 63.3 52.8 79.2



#16
2,2'-oxybis(1-chloropropane)
Concen: 43.704 ng
RT: 8.737 min Scan# 961
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 45 Resp: 302812
Ion Ratio Lower Upper
45 100
77 7.8 0.0 28.5
79 5.0 0.0 25.6





#17

2-Methylphenol

Concen: 43.960 ng

RT: 8.449 min Scan# 912

Delta R.T. -0.001 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Instrument :

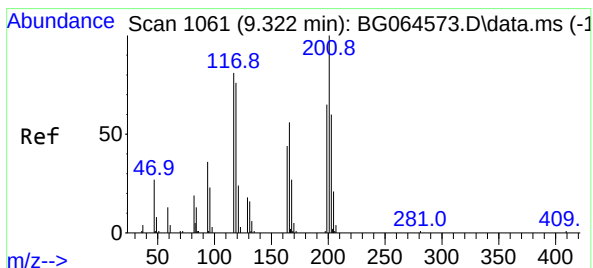
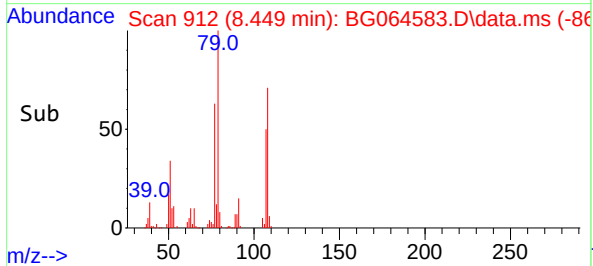
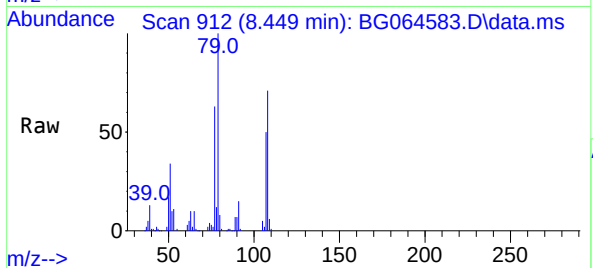
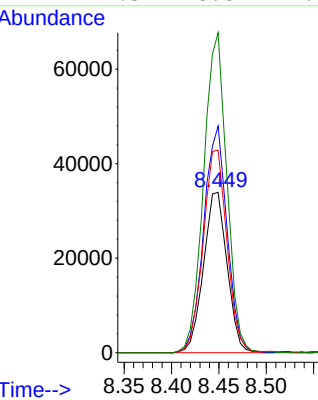
BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 58865

Ion	Ratio	Lower	Upper
107	100		
108	141.3	106.4	159.6
77	126.3	96.7	145.1
79	199.5	146.6	219.8



#18

Hexachloroethane

Concen: 41.409 ng

RT: 9.325 min Scan# 1061

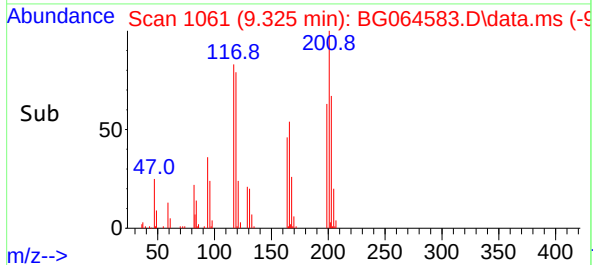
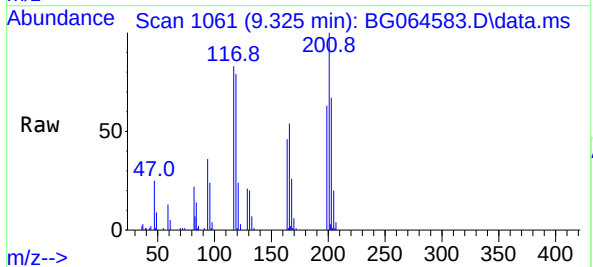
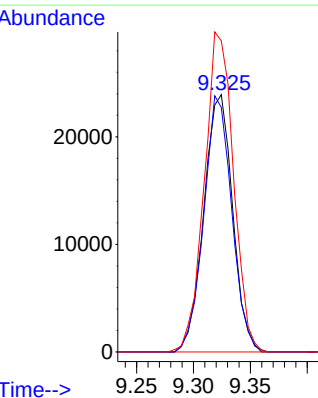
Delta R.T. -0.001 min

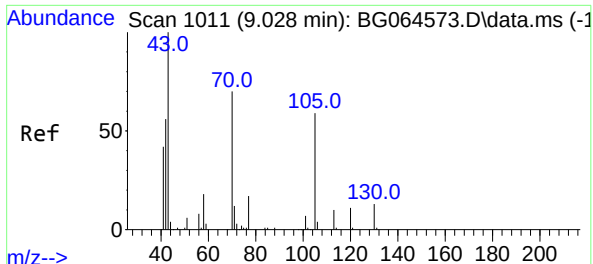
Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Tgt Ion:117 Resp: 42141

Ion	Ratio	Lower	Upper
117	100		
119	95.1	75.4	113.2
201	120.9	99.2	148.8





#19

n-Nitroso-di-n-propylamine

Concen: 45.972 ng

RT: 9.025 min Scan# 10

Delta R.T. -0.006 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 103213

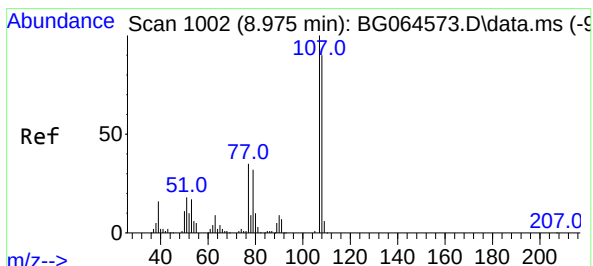
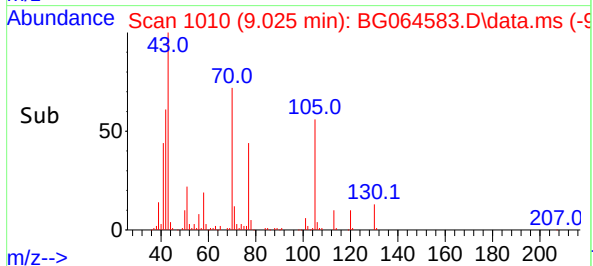
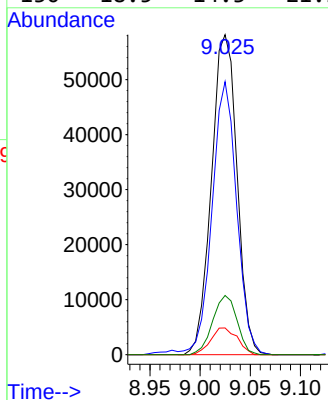
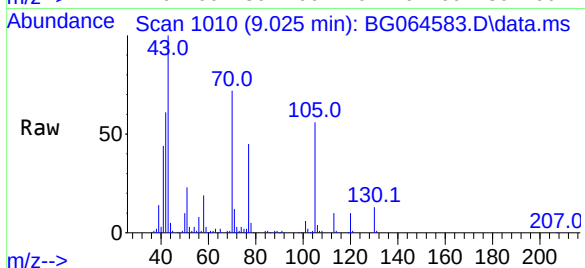
Ion Ratio Lower Upper

70 100

42 85.3 65.2 97.8

101 8.4 7.9 11.9

130 18.5 14.3 21.5



#20

3+4-Methylphenols

Concen: 42.591 ng

RT: 8.972 min Scan# 1001

Delta R.T. -0.012 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Tgt Ion:107 Resp: 142872

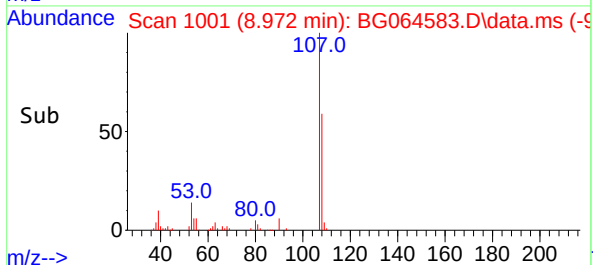
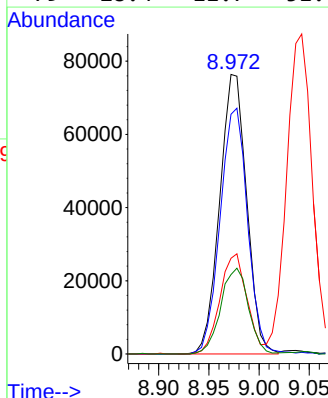
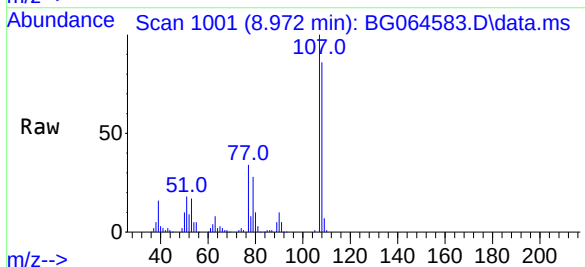
Ion Ratio Lower Upper

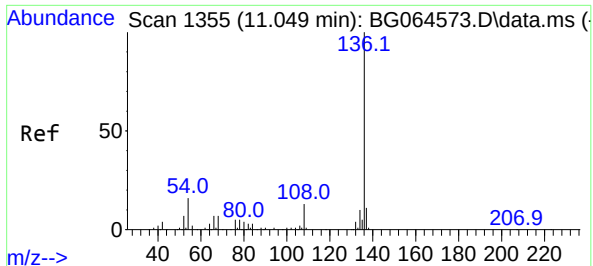
107 100

108 85.8 70.3 110.3

77 34.2 14.6 54.6

79 28.4 11.7 51.7

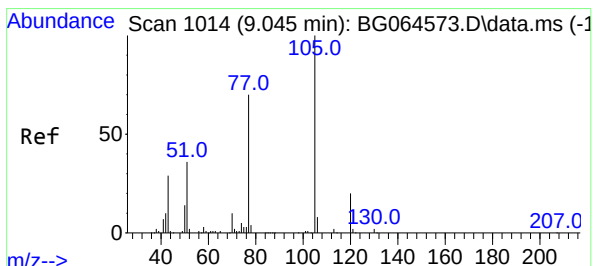
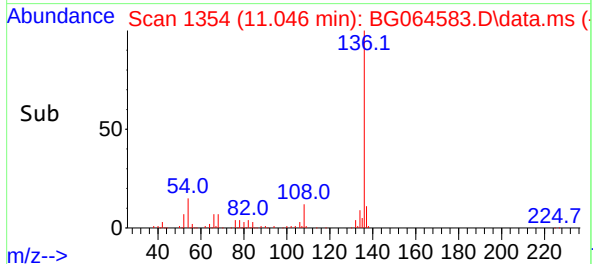
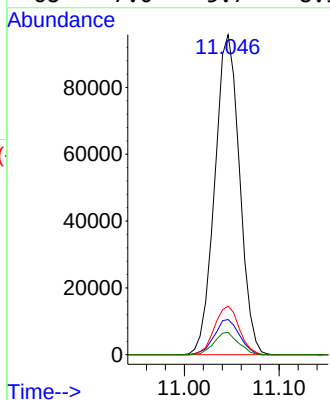
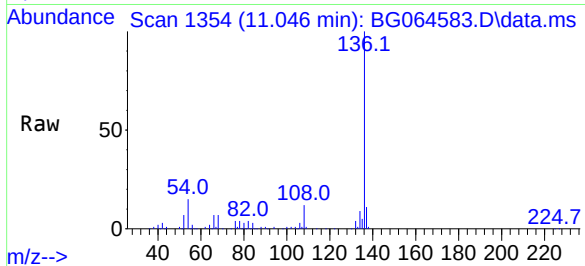




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.046 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

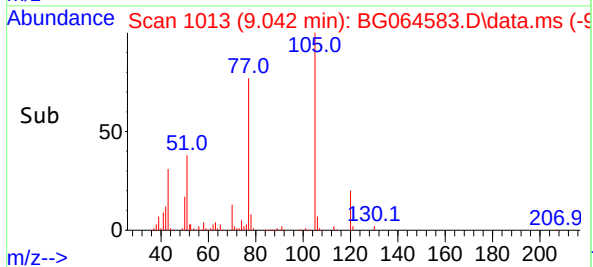
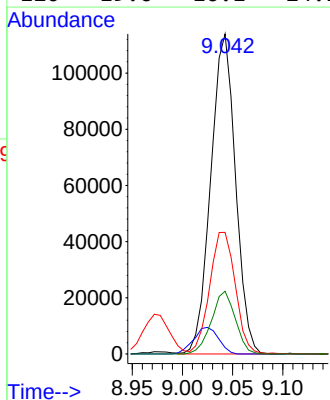
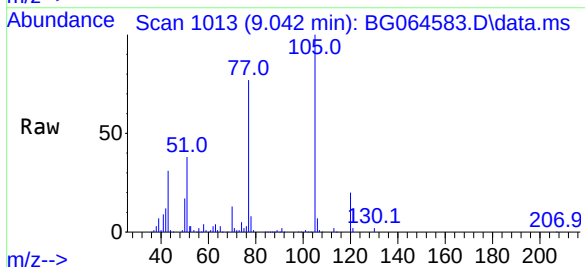
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

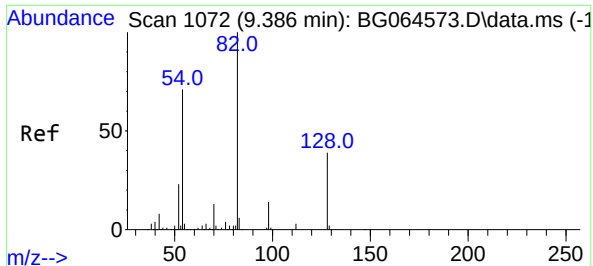
Tgt Ion:136 Resp: 173874
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 15.2 12.6 19.0
68 7.0 5.7 8.5



#22
Acetophenone
Concen: 41.032 ng
RT: 9.042 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:105 Resp: 195028
Ion Ratio Lower Upper
105 100
71 2.0 1.5 2.3
51 38.0 33.7 50.5
120 19.6 16.1 24.1





#23

Nitrobenzene-d5

Concen: 80.547 ng

RT: 9.383 min Scan# 1072

Delta R.T. -0.007 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

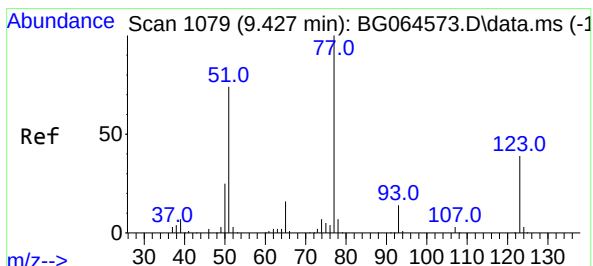
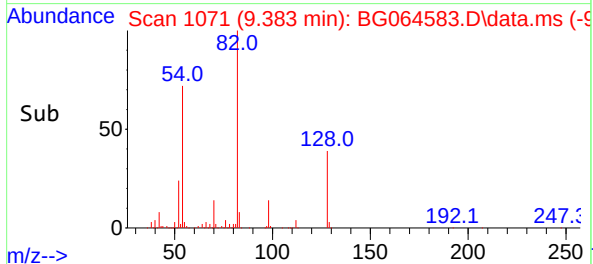
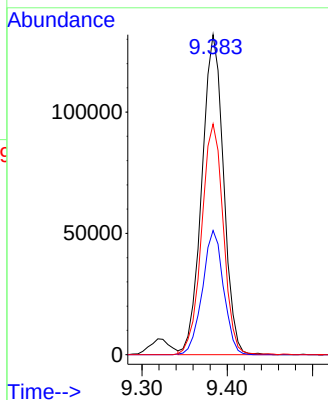
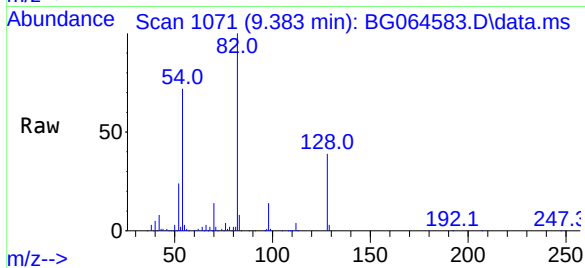
Tgt Ion: 82 Resp: 233175

Ion Ratio Lower Upper

82 100

128 38.8 31.3 46.9

54 72.1 56.6 84.8



#24

Nitrobenzene

Concen: 40.927 ng

RT: 9.424 min Scan# 1078

Delta R.T. -0.006 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

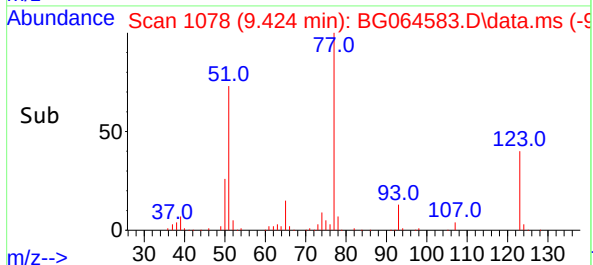
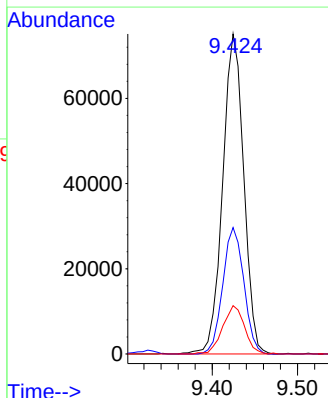
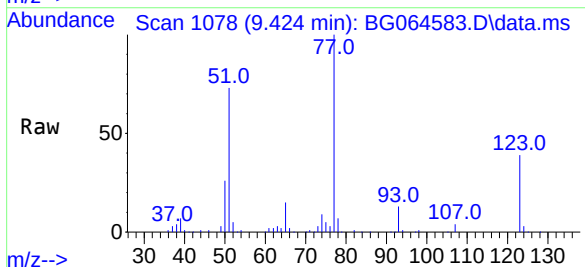
Tgt Ion: 77 Resp: 128864

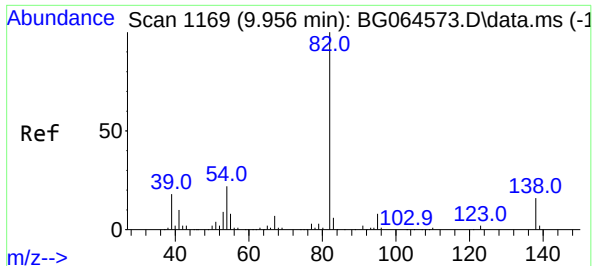
Ion Ratio Lower Upper

77 100

123 39.5 31.0 46.6

65 15.1 12.7 19.1

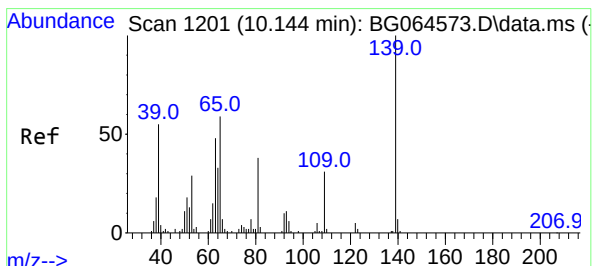
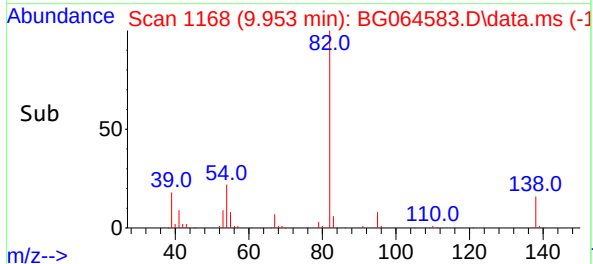
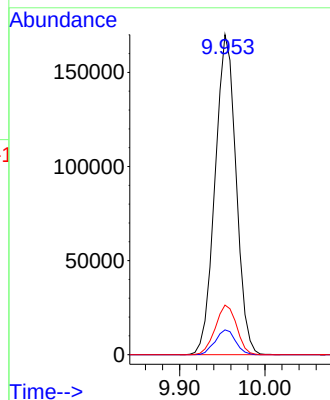
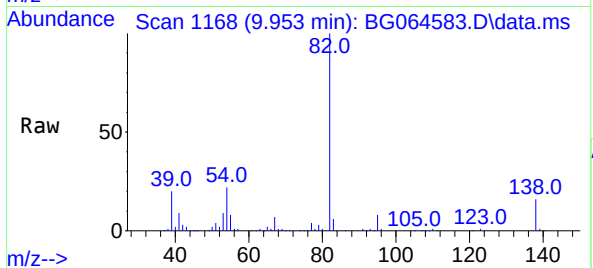




#25
Isophorone
Concen: 41.948 ng
RT: 9.953 min Scan# 1169
Delta R.T. -0.013 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

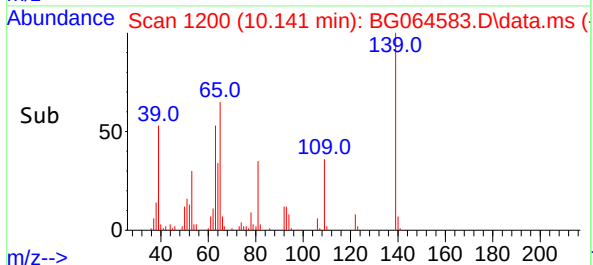
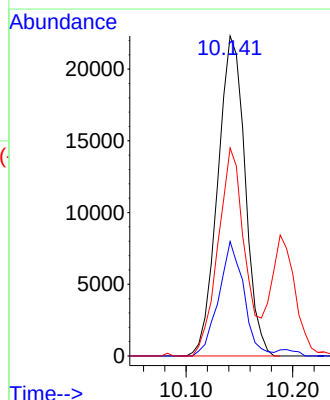
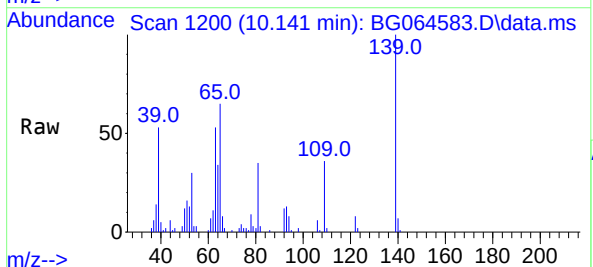
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

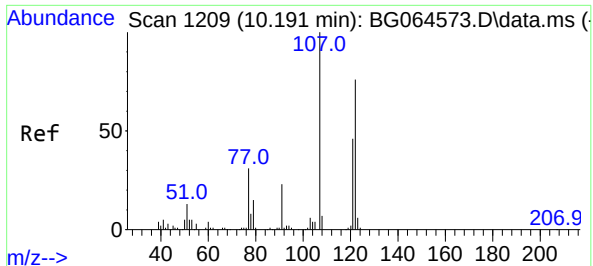
Tgt Ion: 82 Resp: 291391
Ion Ratio Lower Upper
82 100
95 7.8 6.1 9.1
138 15.5 13.0 19.4



#26
2-Nitrophenol
Concen: 33.699 ng
RT: 10.141 min Scan# 1200
Delta R.T. -0.007 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 139 Resp: 39727
Ion Ratio Lower Upper
139 100
109 35.8 24.6 37.0
65 65.0 47.5 71.3





#27

2,4-Dimethylphenol

Concen: 41.721 ng

RT: 10.188 min Scan# 11

Delta R.T. -0.006 min

Lab File: BG064583.D

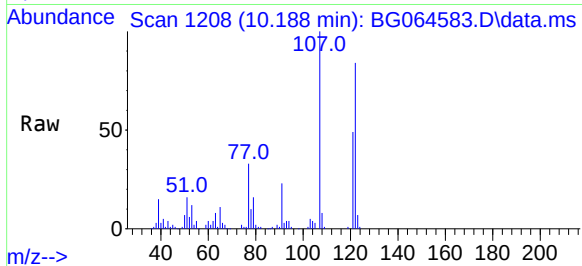
Acq: 27 Oct 2025 11:57

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040



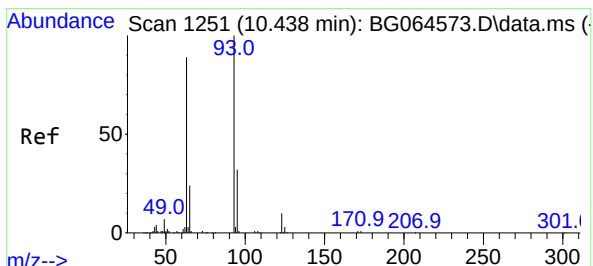
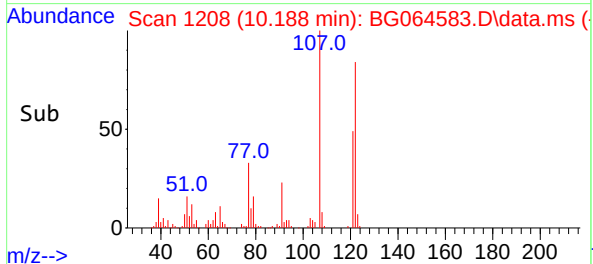
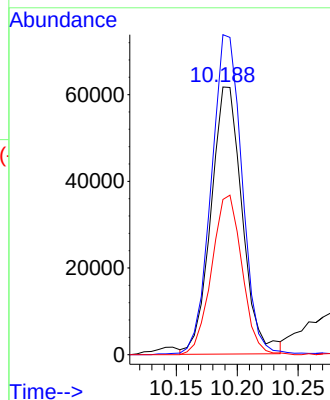
Tgt Ion:122 Resp: 109961

Ion Ratio Lower Upper

122 100

107 119.6 103.0 154.4

121 58.0 47.8 71.8



#28

bis(2-Chloroethoxy)methane

Concen: 41.969 ng

RT: 10.435 min Scan# 1250

Delta R.T. -0.001 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

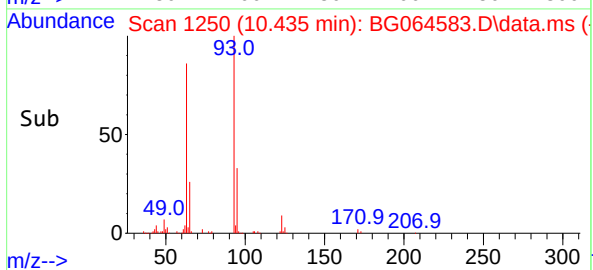
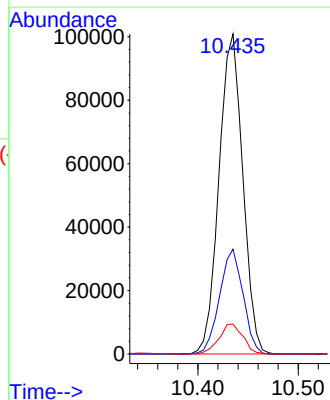
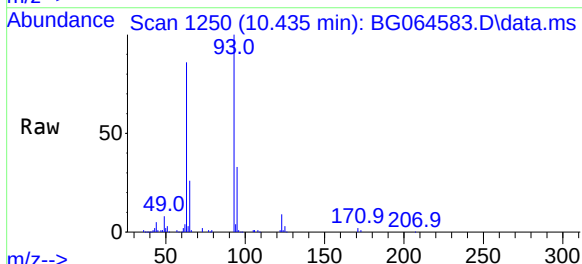
Tgt Ion: 93 Resp: 165991

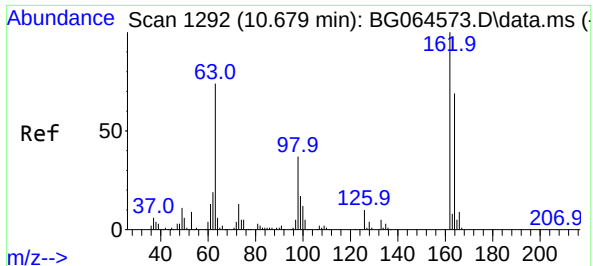
Ion Ratio Lower Upper

93 100

95 32.7 25.4 38.2

123 9.3 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 42.048 ng

RT: 10.676 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

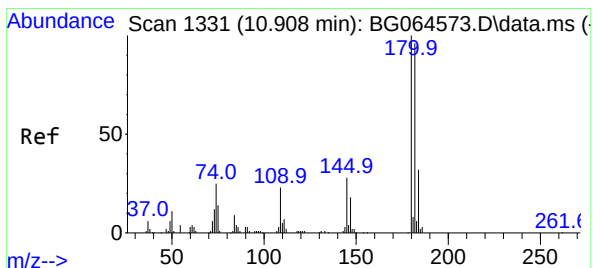
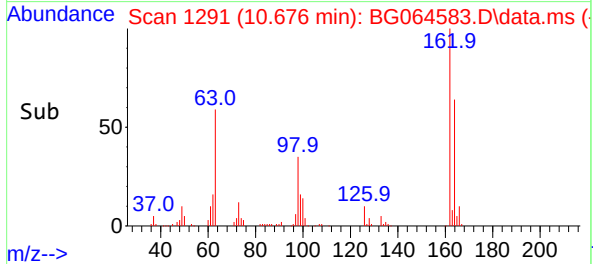
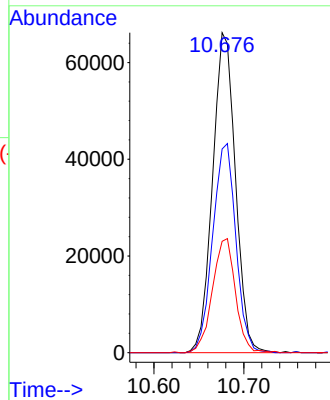
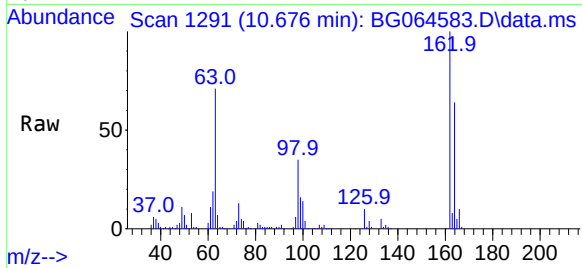
Tgt Ion:162 Resp: 116926

Ion Ratio Lower Upper

162 100

164 63.6 48.7 88.7

98 34.8 16.9 56.9



#30

1,2,4-Trichlorobenzene

Concen: 40.719 ng

RT: 10.905 min Scan# 1330

Delta R.T. -0.001 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

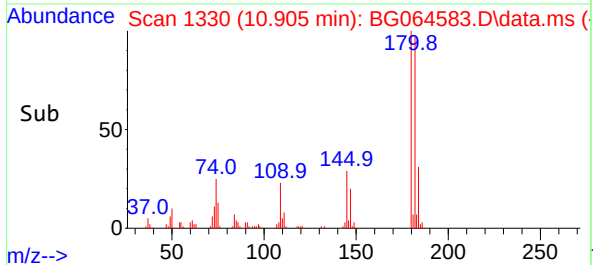
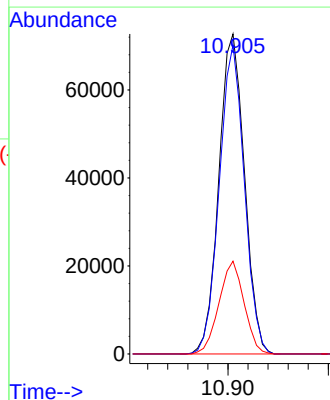
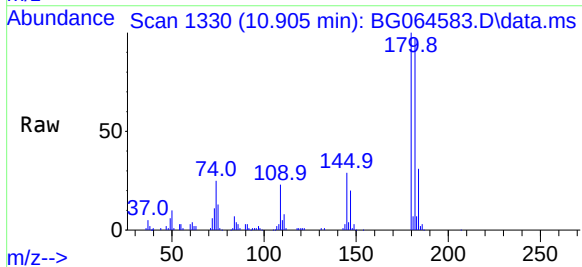
Tgt Ion:180 Resp: 128652

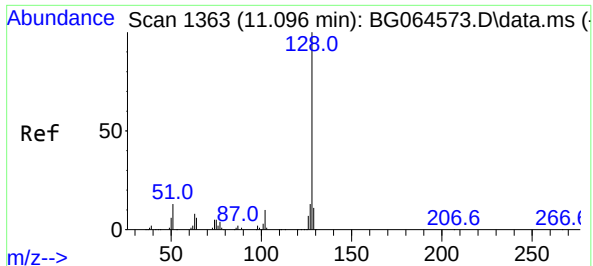
Ion Ratio Lower Upper

180 100

182 96.6 76.9 115.3

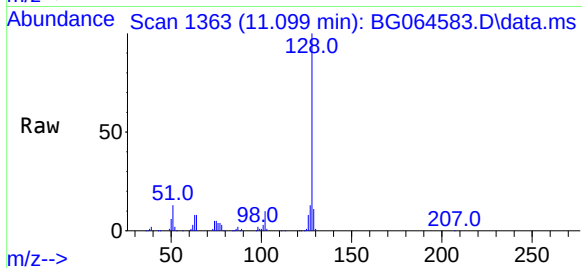
145 29.0 22.1 33.1



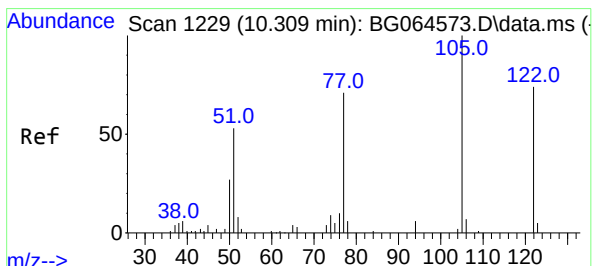
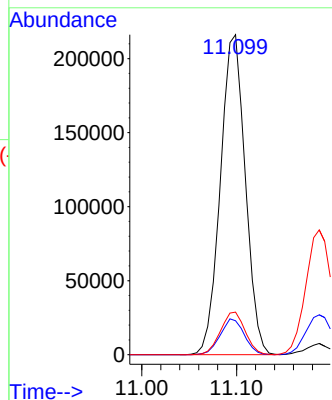
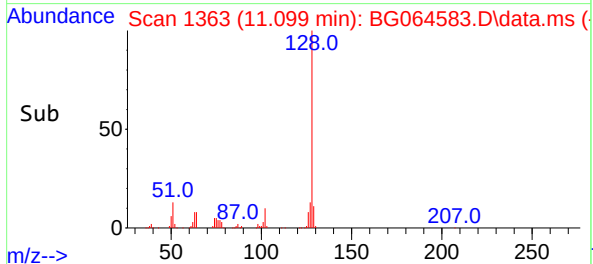


#31
Naphthalene
Concen: 40.895 ng
RT: 11.099 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

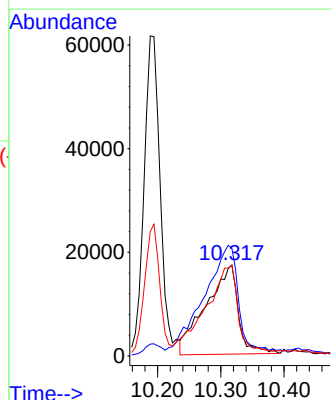
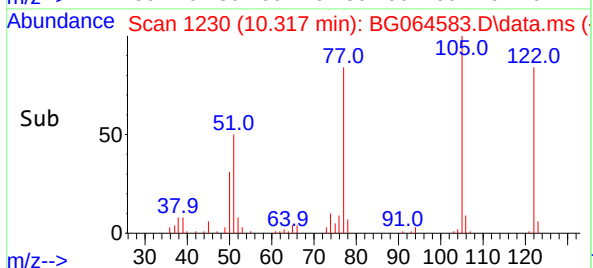
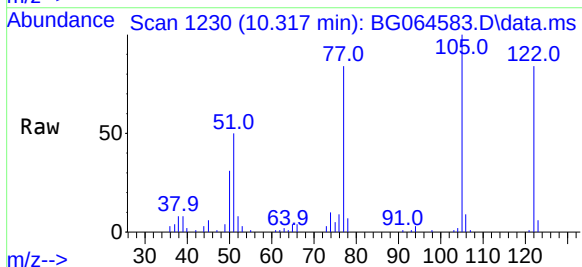


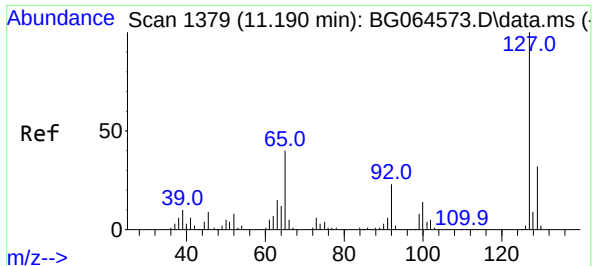
Tgt Ion:128 Resp: 394232
Ion Ratio Lower Upper
128 100
129 10.6 8.8 13.2
127 13.3 10.6 15.8



#32
Benzoic acid
Concen: 34.567 ng
RT: 10.317 min Scan# 1230
Delta R.T. -0.025 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:122 Resp: 61367
Ion Ratio Lower Upper
122 100
105 118.5 104.2 144.2
77 100.0 70.2 110.2



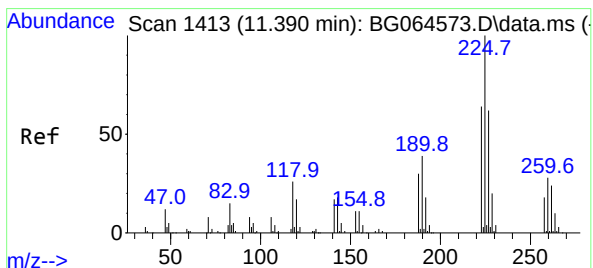
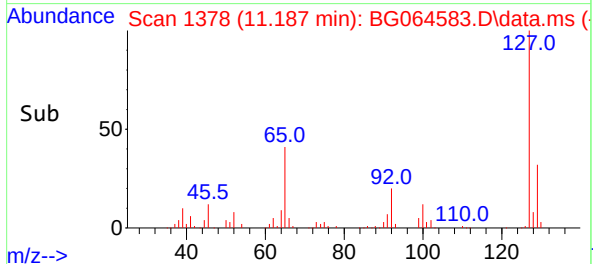
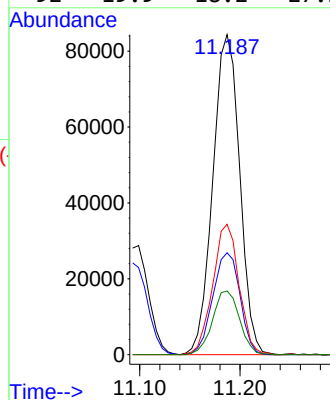
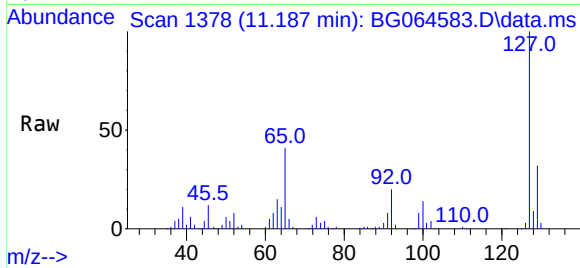


#33
4-Chloroaniline
Concen: 41.846 ng
RT: 11.187 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 156793

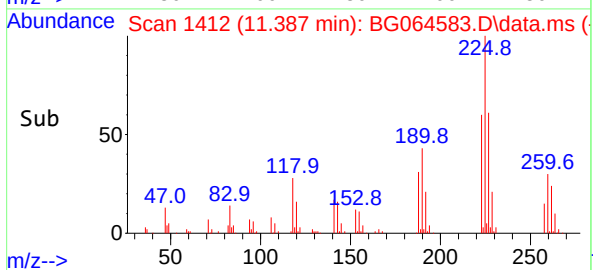
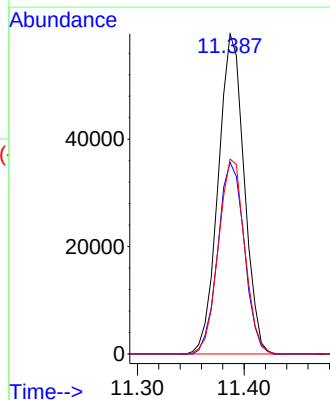
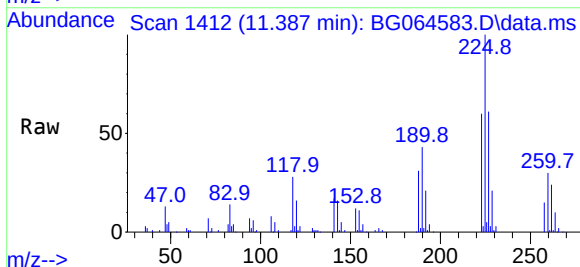
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.5	38.3
65	40.8	32.2	48.4
92	19.9	18.2	27.2

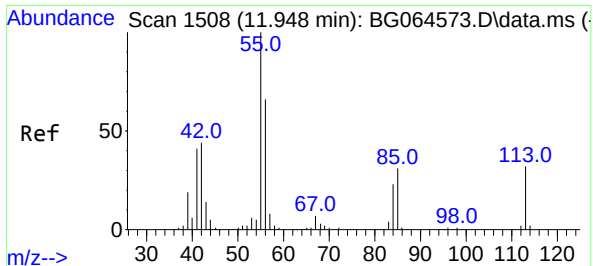


#34
Hexachlorobutadiene
Concen: 40.684 ng
RT: 11.387 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:225 Resp: 100526

Ion	Ratio	Lower	Upper
225	100		
223	59.9	48.8	73.2
227	60.6	49.5	74.3

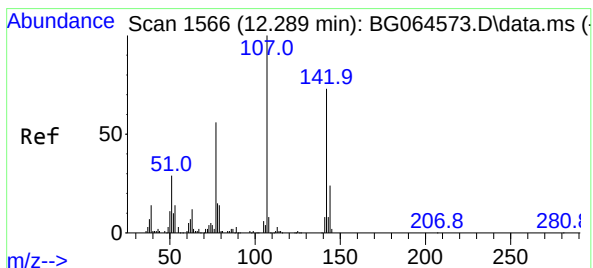
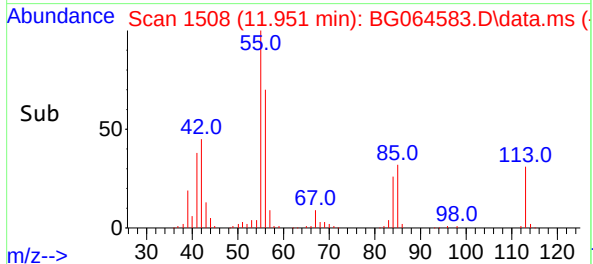
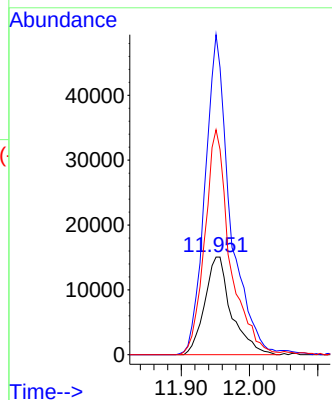
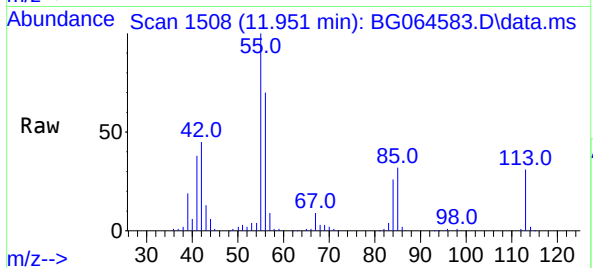




#35
Caprolactam
Concen: 38.487 ng
RT: 11.951 min Scan# 11
Delta R.T. -0.024 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

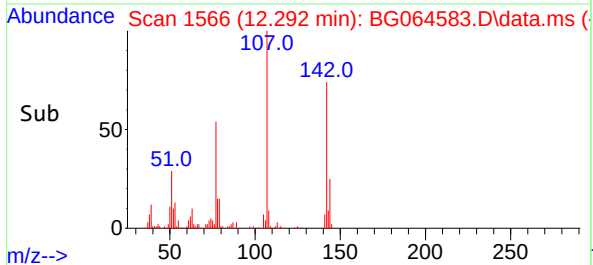
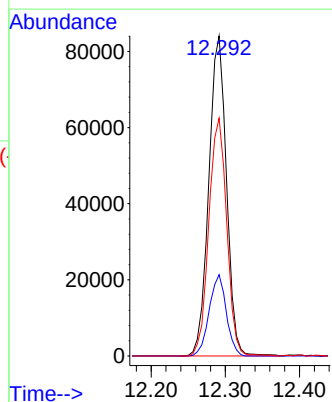
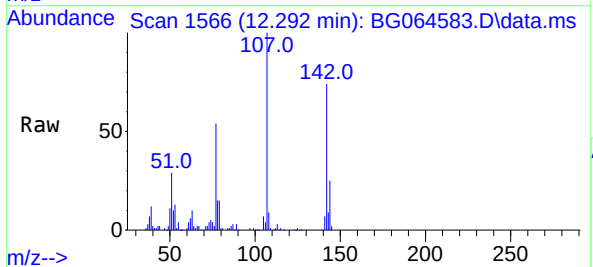
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

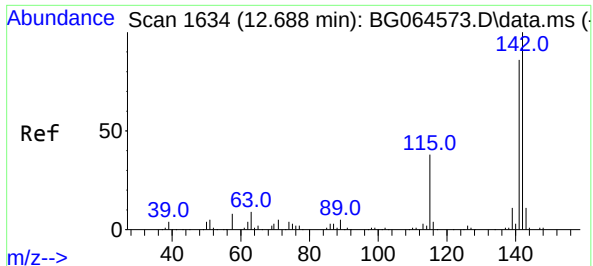
Tgt Ion:113 Resp: 41048
Ion Ratio Lower Upper
113 100
55 327.6 290.1 330.1
56 230.3 183.8 223.8#



#36
4-Chloro-3-methylphenol
Concen: 41.668 ng
RT: 12.292 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:107 Resp: 139274
Ion Ratio Lower Upper
107 100
144 25.4 19.1 28.7
142 74.3 58.6 87.8

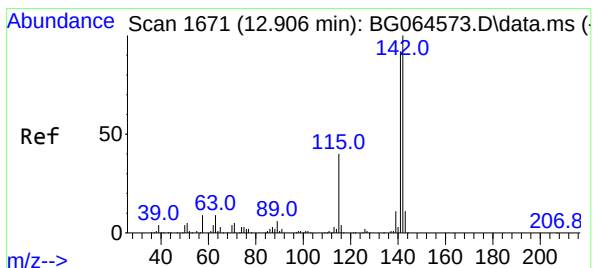
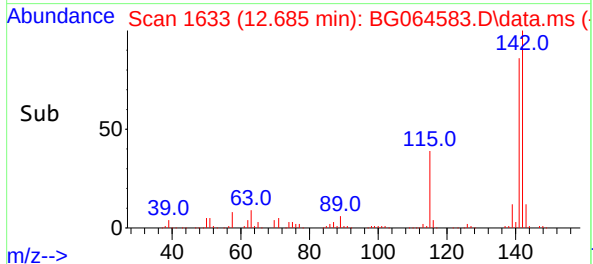
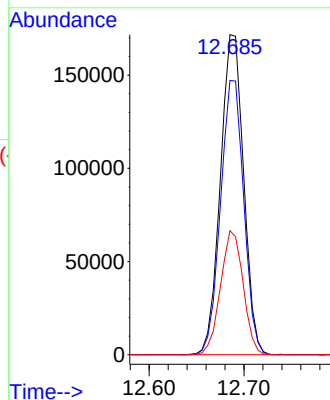
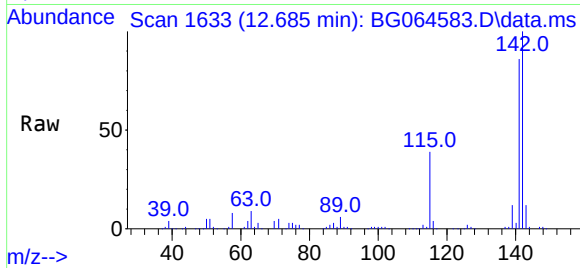




#37
2-Methylnaphthalene
Concen: 41.357 ng
RT: 12.685 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

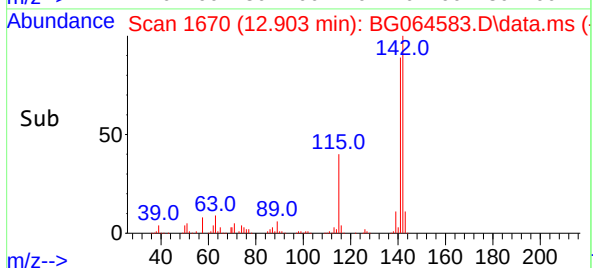
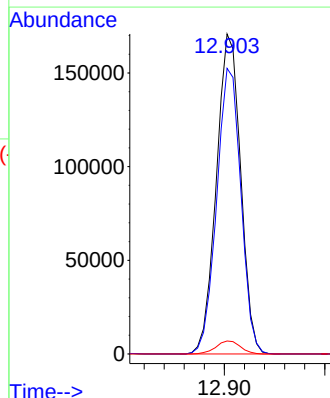
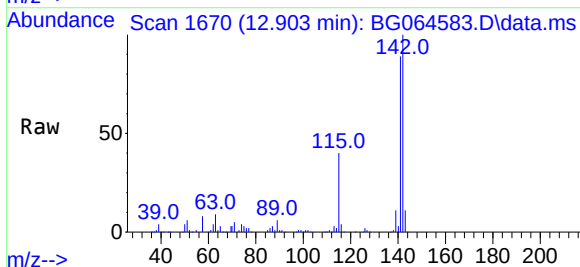
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 292711
Ion Ratio Lower Upper
142 100
141 85.7 68.9 103.3
115 38.7 30.6 46.0

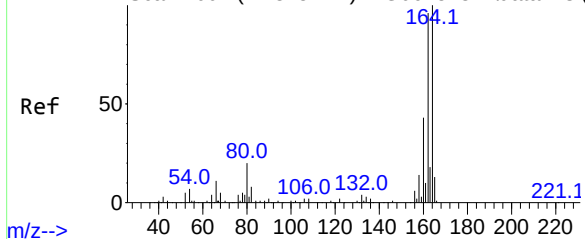


#38
1-Methylnaphthalene
Concen: 41.099 ng
RT: 12.903 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:142 Resp: 286227
Ion Ratio Lower Upper
142 100
141 89.2 73.3 109.9
116 4.0 3.1 4.7



Abundance Scan 2001 (14.845 min): BG064573.D\data.ms (

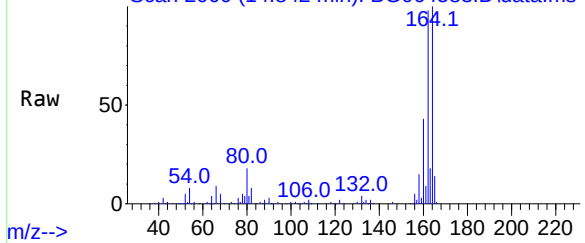


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2001
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

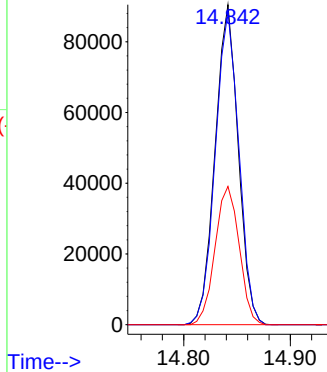
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 136456
Ion Ratio Lower Upper
164 100
162 97.9 77.0 115.6
160 43.2 34.4 51.6

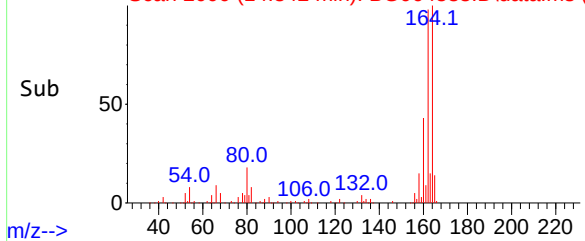
m/z--> Abundance Scan 2000 (14.842 min): BG064583.D\data.ms



Abundance

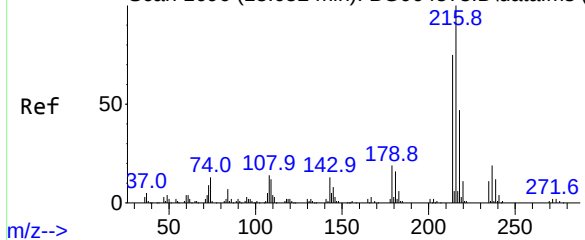


m/z--> Abundance Scan 2000 (14.842 min): BG064583.D\data.ms (



Time-->

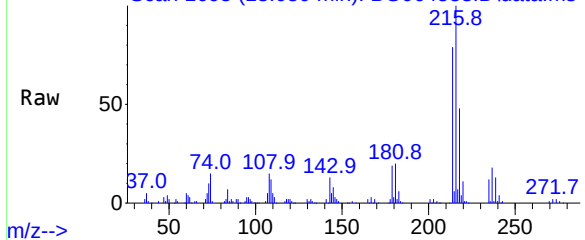
Abundance Scan 1696 (13.052 min): BG064573.D\data.ms (



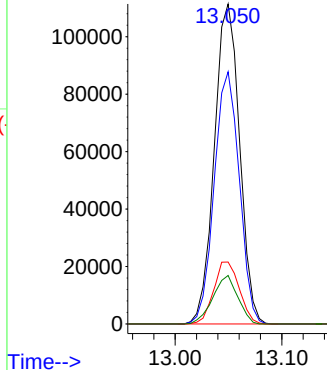
#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.969 ng
RT: 13.050 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:216 Resp: 183039
Ion Ratio Lower Upper
216 100
214 78.2 61.4 92.2
179 19.6 15.4 23.0
108 15.0 11.8 17.6

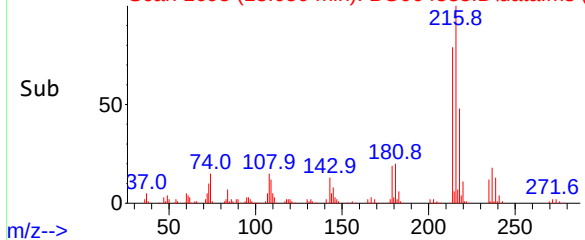
m/z--> Abundance Scan 1695 (13.050 min): BG064583.D\data.ms



Abundance

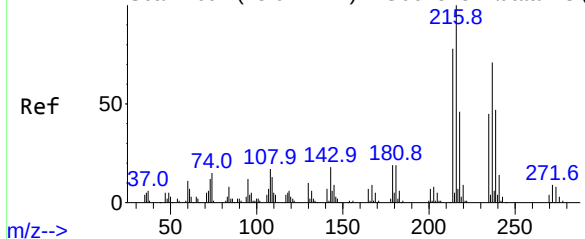


m/z--> Abundance Scan 1695 (13.050 min): BG064583.D\data.ms (



Time-->

Abundance Scan 1694 (13.041 min): BG064573.D\data.ms (

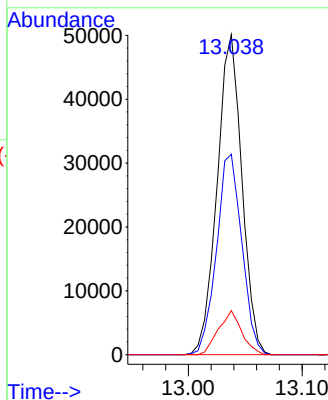
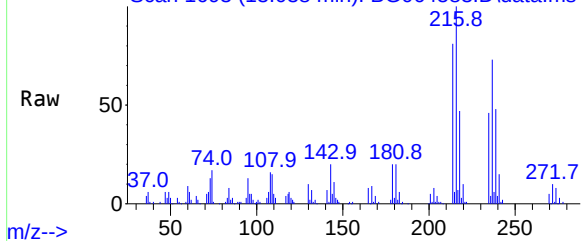


#41
Hexachlorocyclopentadiene
Concen: 36.818 ng
RT: 13.038 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

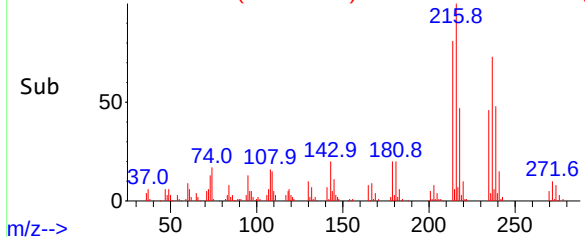
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
237	100		
235	62.7	44.1	84.1
272	13.7	0.0	32.4

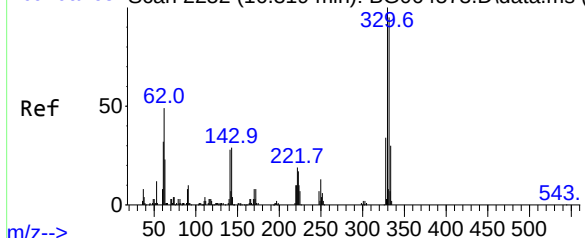
Abundance Scan 1693 (13.038 min): BG064583.D\data.ms



Abundance Scan 1693 (13.038 min): BG064583.D\data.ms (



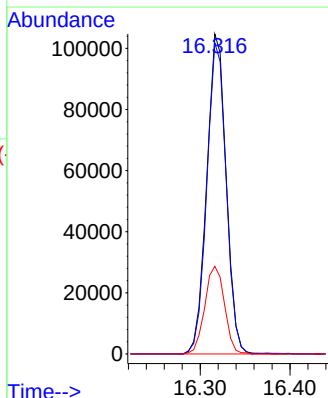
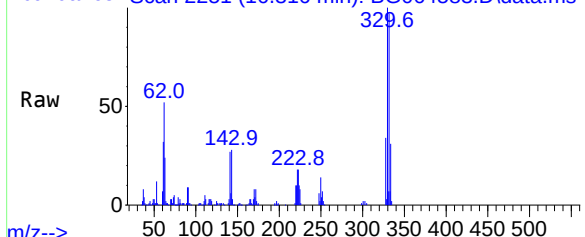
Abundance Scan 2252 (16.319 min): BG064573.D\data.ms (



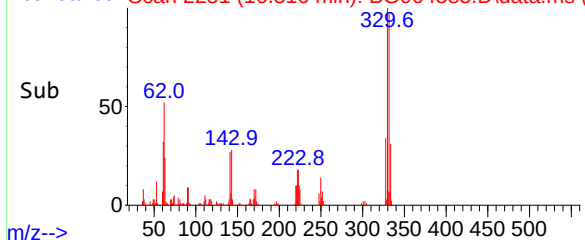
#42
2,4,6-Tribromophenol
Concen: 79.732 ng
RT: 16.316 min Scan# 2251
Delta R.T. -0.007 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.0	117.0
141	27.7	21.8	32.6

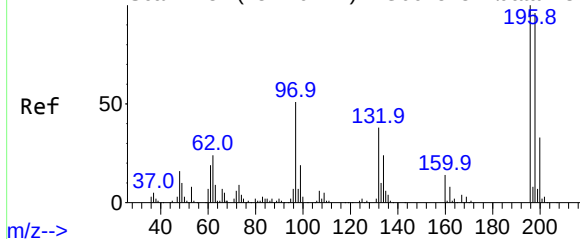
Abundance Scan 2251 (16.316 min): BG064583.D\data.ms



Abundance Scan 2251 (16.316 min): BG064583.D\data.ms (



Abundance Scan 1734 (13.276 min): BG064573.D\data.ms (

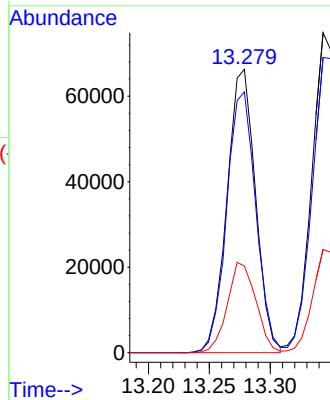
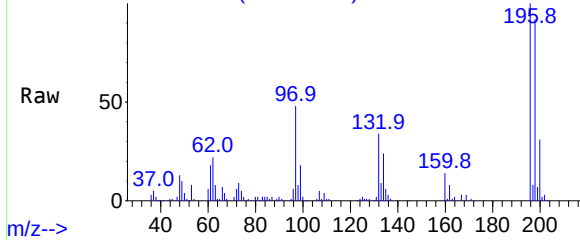


#43
2,4,6-Trichlorophenol
Concen: 41.278 ng
RT: 13.279 min Scan# 1745
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

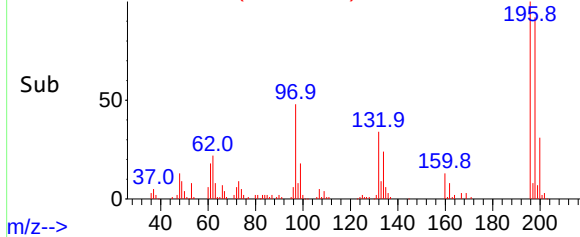
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 108131
Ion Ratio Lower Upper
196 100
198 92.0 76.6 115.0
200 30.6 26.0 39.0

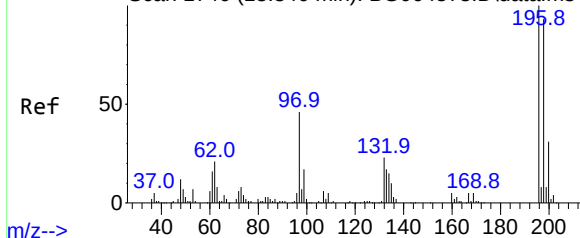
Abundance Scan 1734 (13.279 min): BG064583.D\data.ms



Abundance Scan 1734 (13.279 min): BG064583.D\data.ms (



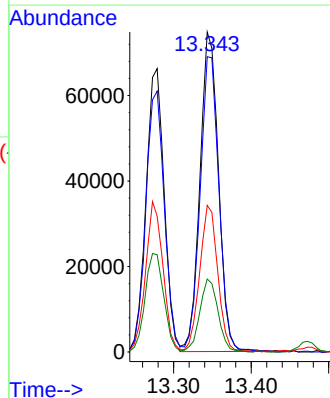
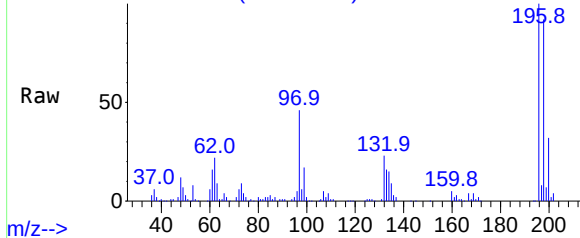
Abundance Scan 1746 (13.346 min): BG064573.D\data.ms (



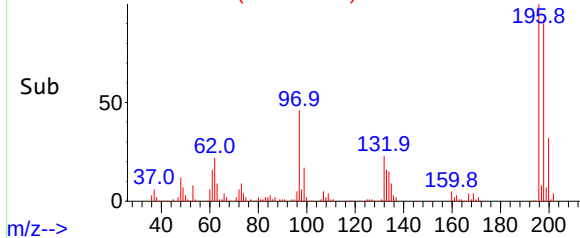
#44
2,4,5-Trichlorophenol
Concen: 41.000 ng
RT: 13.343 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

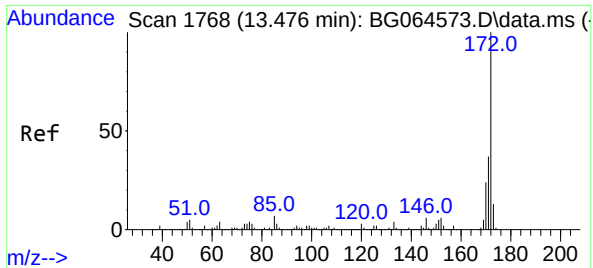
Tgt Ion:196 Resp: 123941
Ion Ratio Lower Upper
196 100
198 92.2 74.2 111.4
97 45.8 37.0 55.6
132 22.8 18.5 27.7

Abundance Scan 1745 (13.343 min): BG064583.D\data.ms



Abundance Scan 1745 (13.343 min): BG064583.D\data.ms (

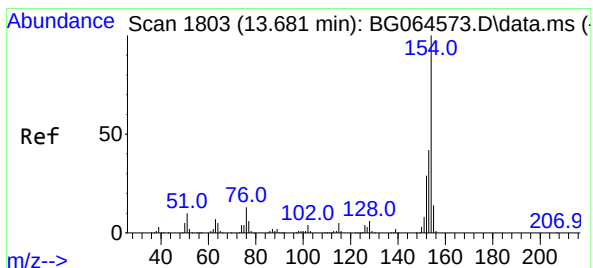
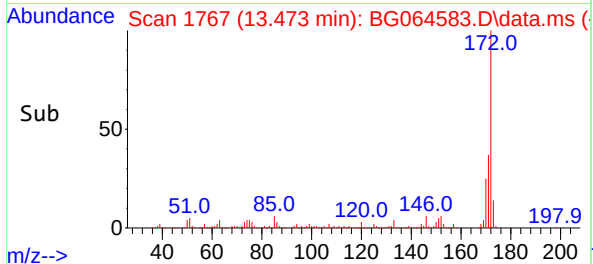
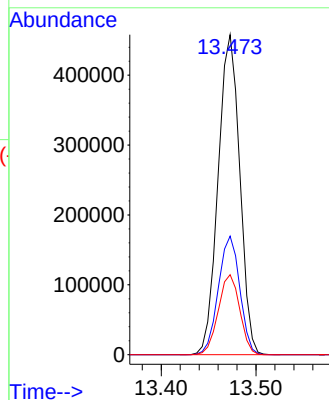
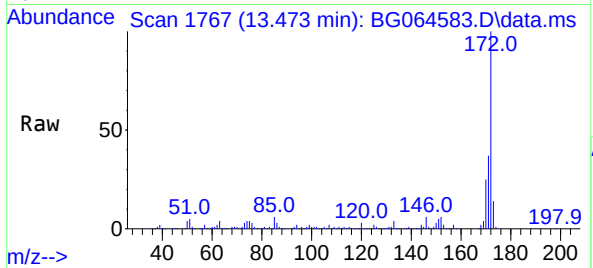




#45
2-Fluorobiphenyl
Concen: 80.739 ng
RT: 13.473 min Scan# 1768
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

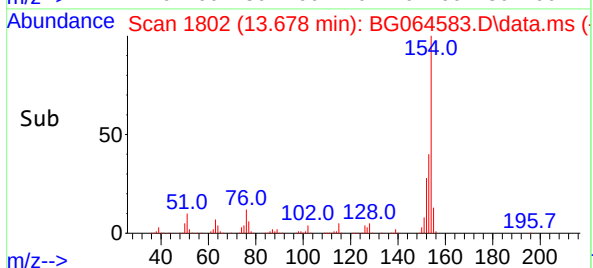
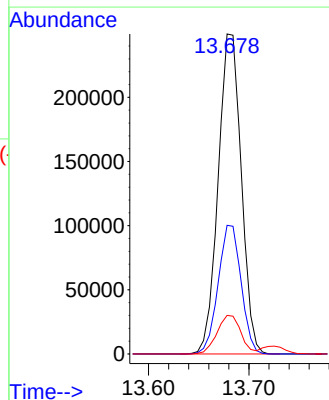
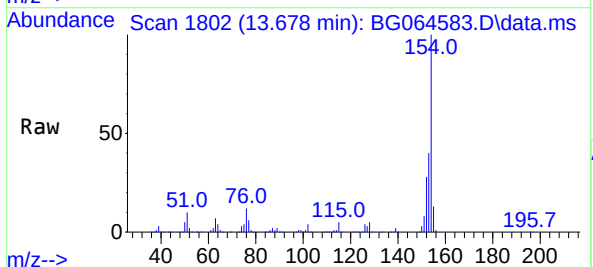
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 726855
Ion Ratio Lower Upper
172 100
171 37.1 29.4 44.0
170 25.0 19.1 28.7

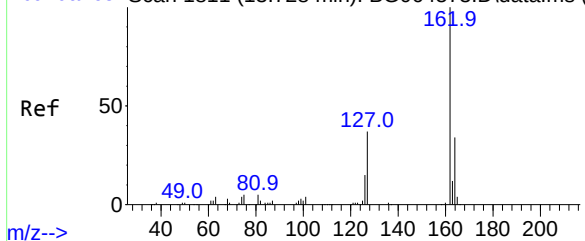


#46
1,1'-Biphenyl
Concen: 41.012 ng
RT: 13.678 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:154 Resp: 397857
Ion Ratio Lower Upper
154 100
153 40.2 22.4 62.4
76 12.0 0.0 33.5



Abundance Scan 1811 (13.728 min): BG064573.D\data.ms (

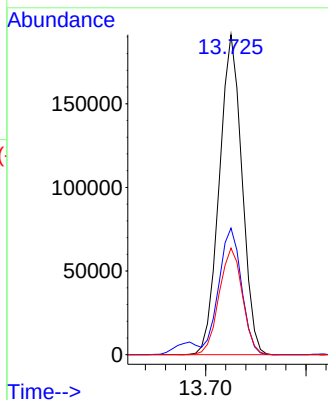
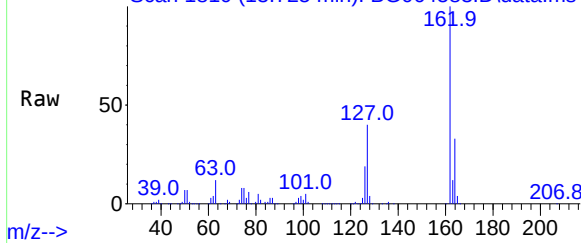


#47
2-Chloronaphthalene
Concen: 40.928 ng
RT: 13.725 min Scan# 1810
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

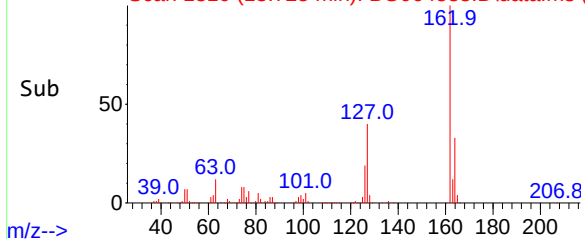
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion	Ratio	Lower	Upper
162	100		
127	39.5	32.2	48.2
164	33.3	27.5	41.3

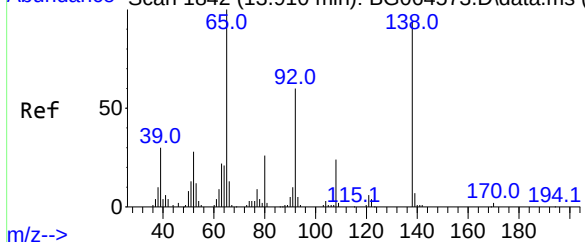
Abundance Scan 1810 (13.725 min): BG064583.D\data.ms (



Abundance Scan 1810 (13.725 min): BG064583.D\data.ms (



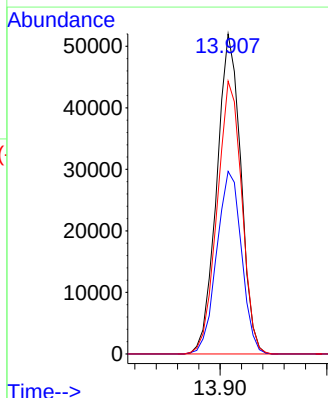
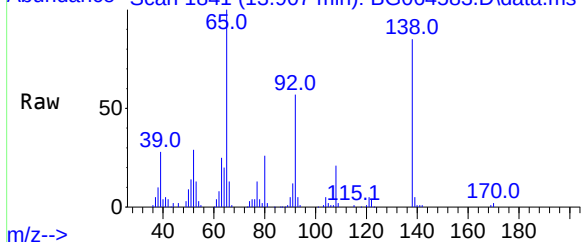
Abundance Scan 1842 (13.910 min): BG064573.D\data.ms (



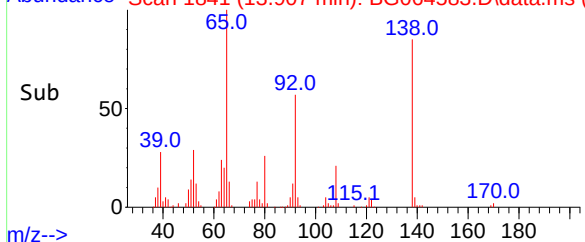
#48
2-Nitroaniline
Concen: 34.152 ng
RT: 13.907 min Scan# 1841
Delta R.T. -0.007 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion	Ratio	Lower	Upper
65	100		
92	57.1	48.3	72.5
138	85.2	74.9	112.3

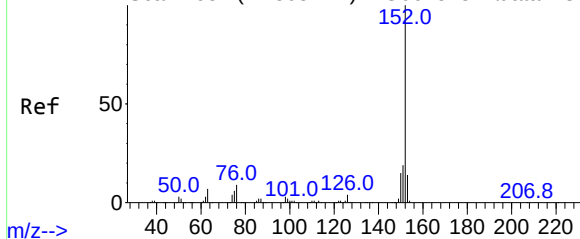
Abundance Scan 1841 (13.907 min): BG064583.D\data.ms (



Abundance Scan 1841 (13.907 min): BG064583.D\data.ms (



Abundance Scan 1954 (14.568 min): BG064573.D\data.ms (



#49

Acenaphthylene

Concen: 40.780 ng

RT: 14.565 min Scan# 1954

Delta R.T. -0.001 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:152 Resp: 471014

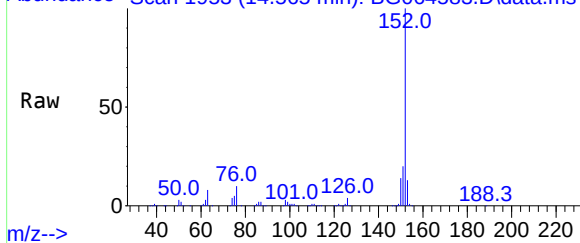
Ion Ratio Lower Upper

152 100

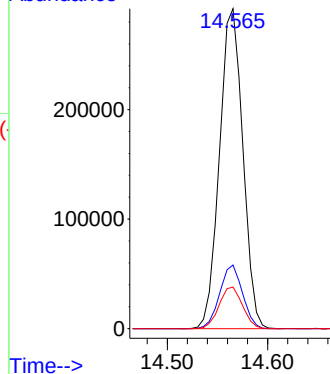
151 19.9 15.4 23.2

153 13.0 11.0 16.4

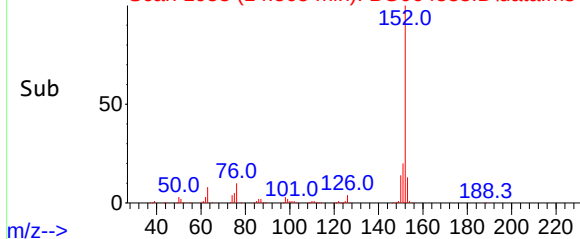
Abundance Scan 1953 (14.565 min): BG064583.D\data.ms



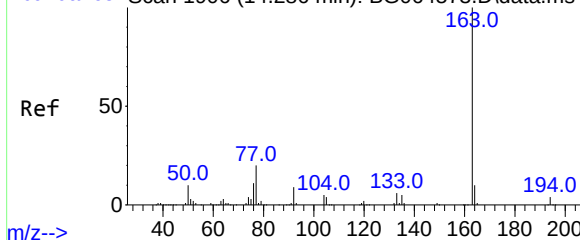
Abundance



Abundance Scan 1953 (14.565 min): BG064583.D\data.ms (



Abundance Scan 1906 (14.286 min): BG064573.D\data.ms (



#50

Dimethylphthalate

Concen: 40.096 ng

RT: 14.283 min Scan# 1905

Delta R.T. -0.007 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Tgt Ion:163 Resp: 418670

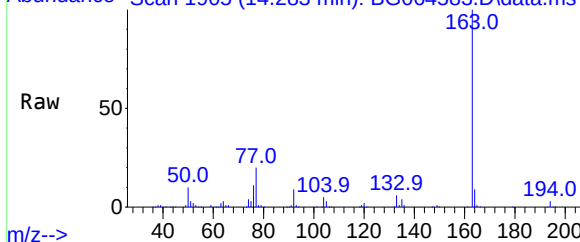
Ion Ratio Lower Upper

163 100

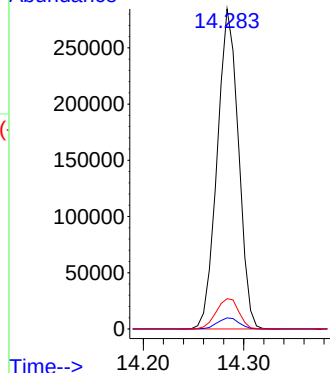
194 3.4 2.8 4.2

164 9.5 7.7 11.5

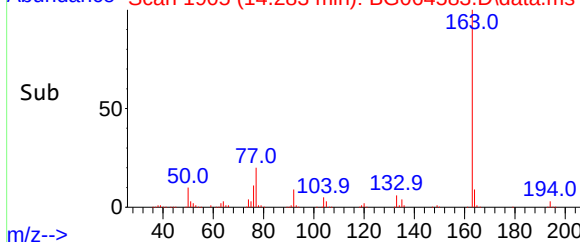
Abundance Scan 1905 (14.283 min): BG064583.D\data.ms

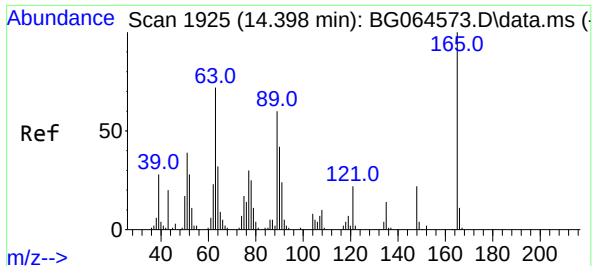


Abundance



Abundance Scan 1905 (14.283 min): BG064583.D\data.ms (

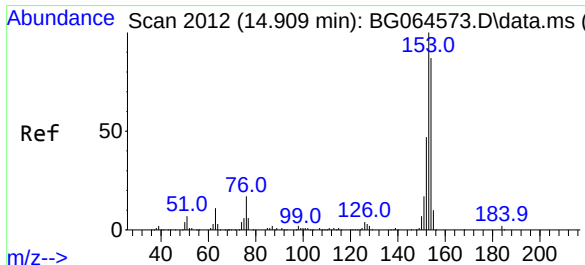
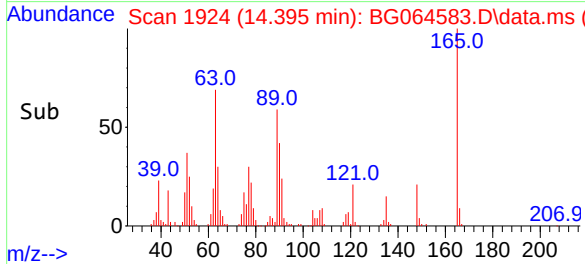
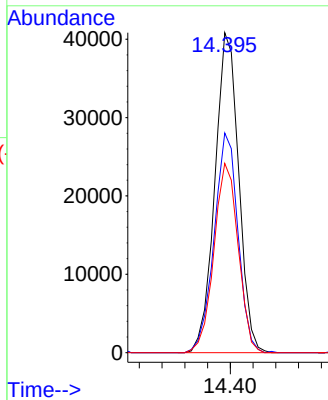
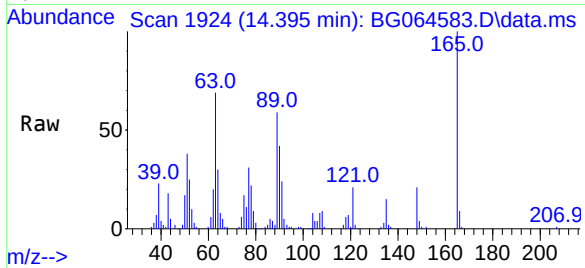




#51
2,6-Dinitrotoluene
Concen: 35.352 ng
RT: 14.395 min Scan# 1924
Delta R.T. -0.007 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

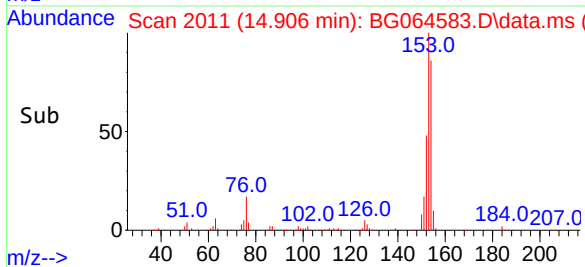
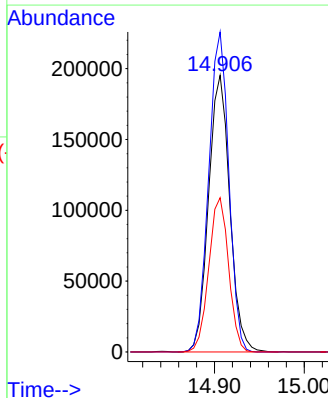
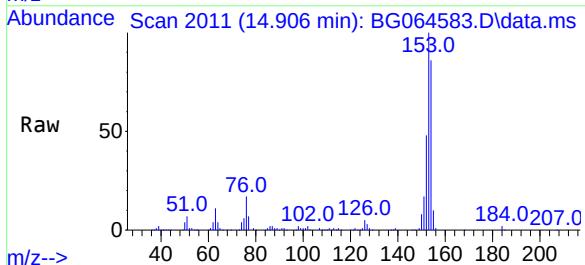
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

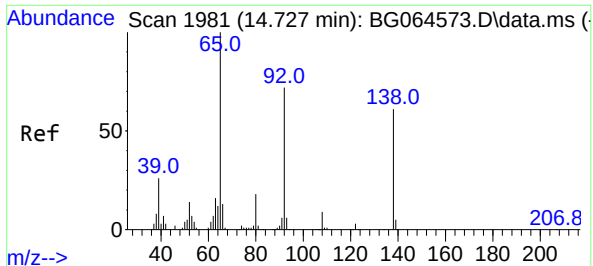
Tgt Ion	Ratio	Lower	Upper
165	100		
63	68.7	57.4	86.0
89	59.2	47.8	71.8



#52
Acenaphthene
Concen: 40.659 ng
RT: 14.906 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.7	92.2	138.4
152	55.8	43.2	64.8

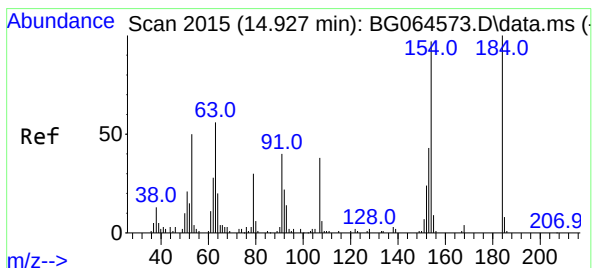
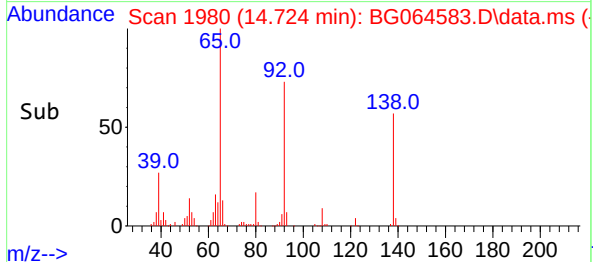
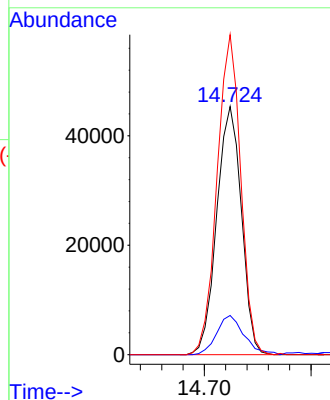
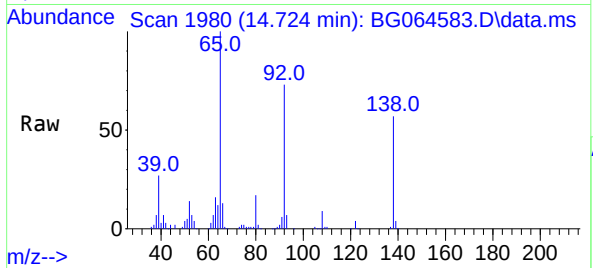




#53
3-Nitroaniline
Concen: 40.529 ng
RT: 14.724 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

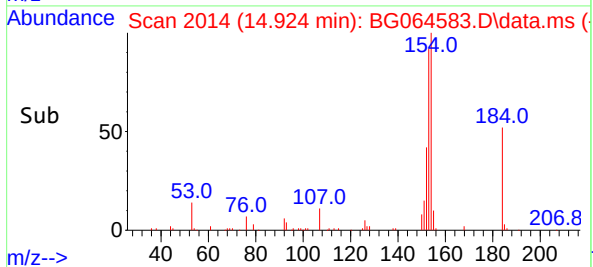
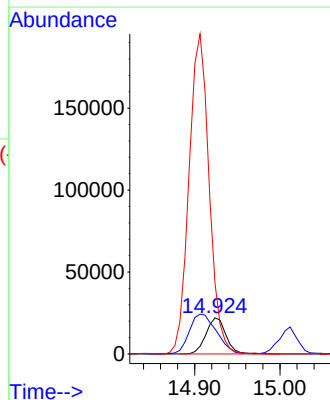
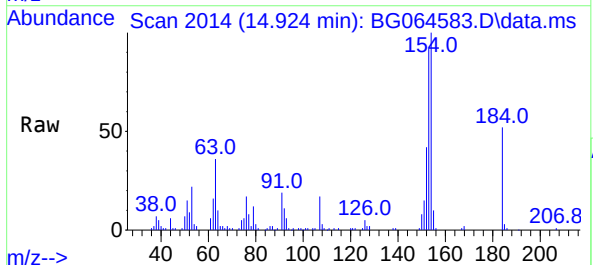
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

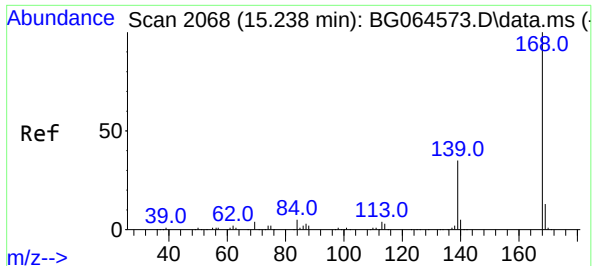
Tgt Ion:138 Resp: 72727
Ion Ratio Lower Upper
138 100
108 15.8 11.4 17.0
92 128.9 95.3 142.9



#54
2,4-Dinitrophenol
Concen: 37.232 ng
RT: 14.924 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:184 Resp: 35977
Ion Ratio Lower Upper
184 100
63 69.2 56.6 85.0
154 192.5 158.6 238.0

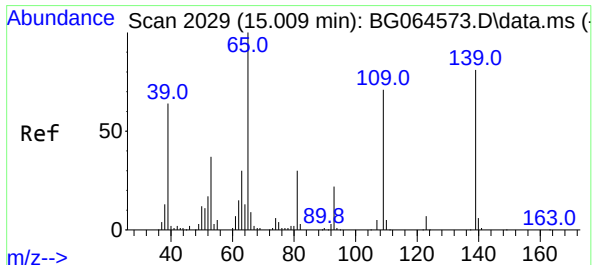
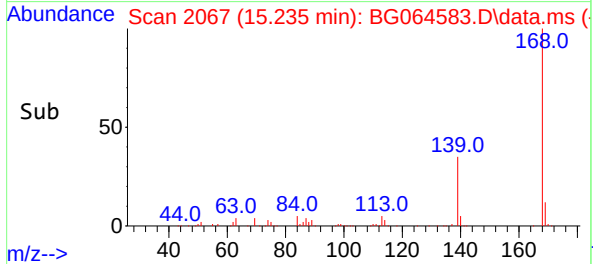
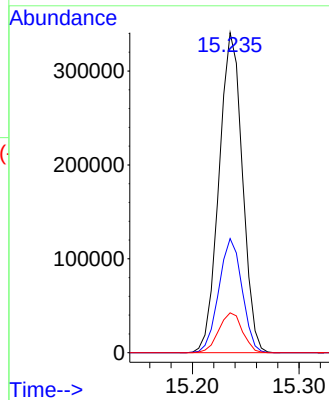
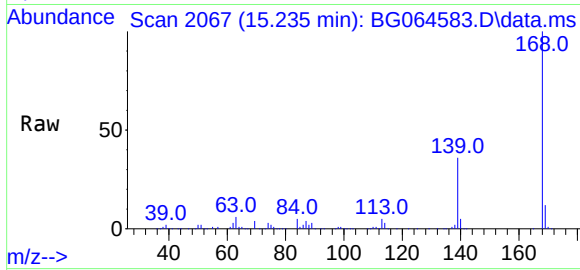




#55
Dibenzofuran
Concen: 40.693 ng
RT: 15.235 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

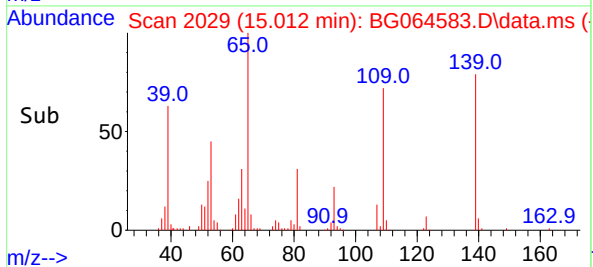
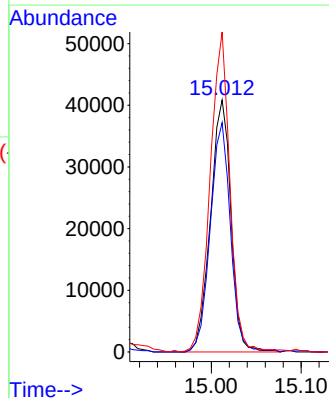
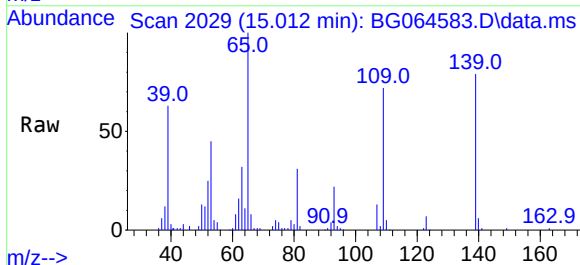
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

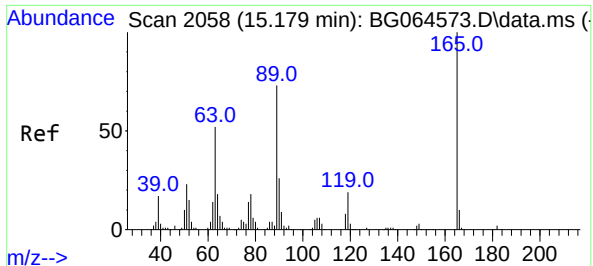
Tgt Ion:168 Resp: 519158
Ion Ratio Lower Upper
168 100
139 35.7 27.8 41.8
169 12.5 10.3 15.5



#56
4-Nitrophenol
Concen: 38.706 ng
RT: 15.012 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:139 Resp: 64395
Ion Ratio Lower Upper
139 100
109 91.0 67.8 107.8
65 127.0 103.7 143.7

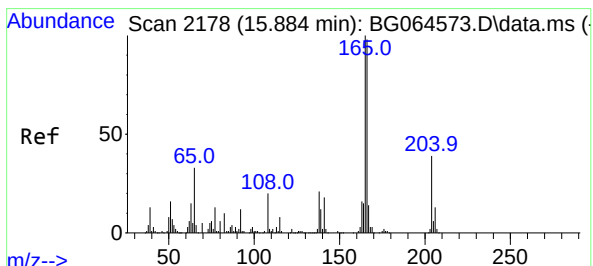
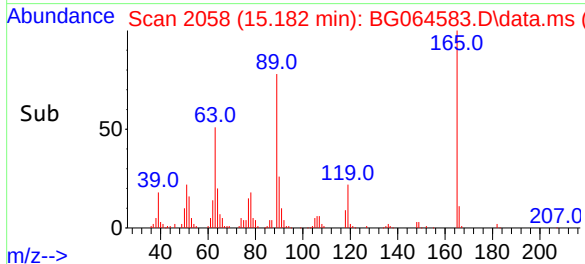
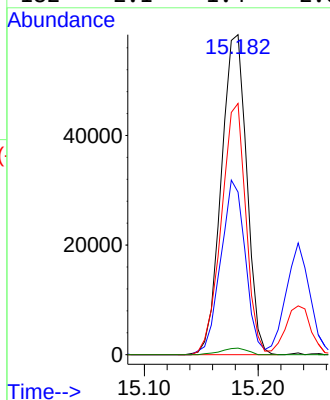
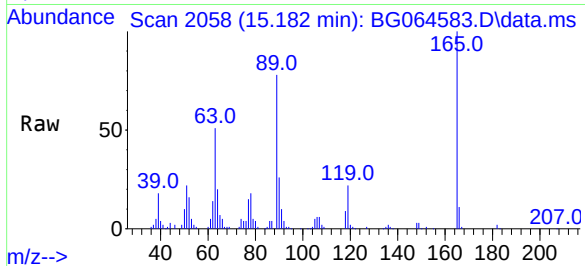




#57
2,4-Dinitrotoluene
Concen: 34.936 ng
RT: 15.182 min Scan# 2058
Delta R.T. -0.007 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

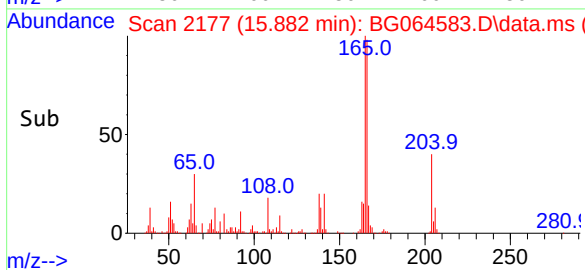
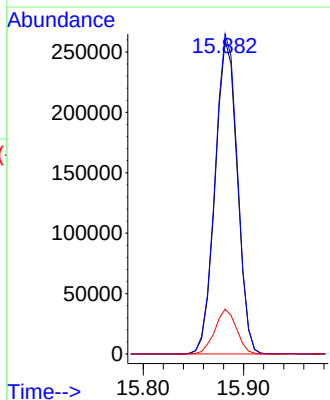
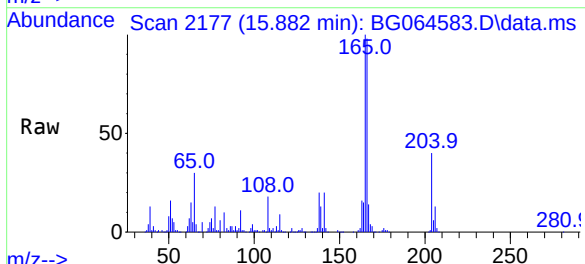
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

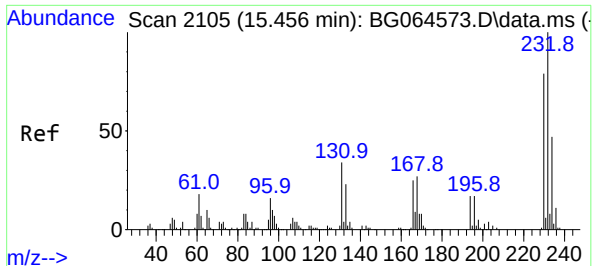
Tgt Ion:165 Resp: 90701
Ion Ratio Lower Upper
165 100
63 50.8 41.8 62.8
89 78.5 58.1 87.1
182 2.1 1.4 2.0#



#58
Fluorene
Concen: 39.986 ng
RT: 15.882 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:166 Resp: 398395
Ion Ratio Lower Upper
166 100
165 101.9 81.5 122.3
167 14.3 11.4 17.0

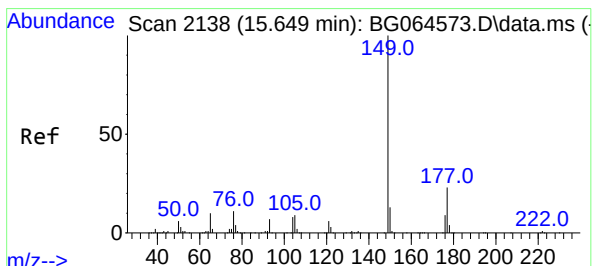
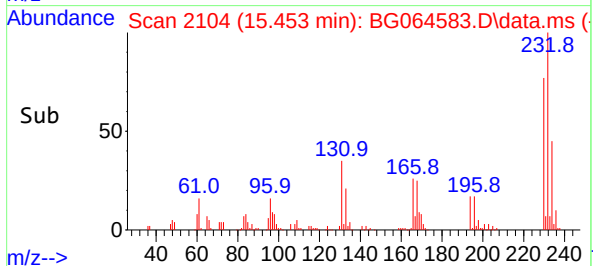
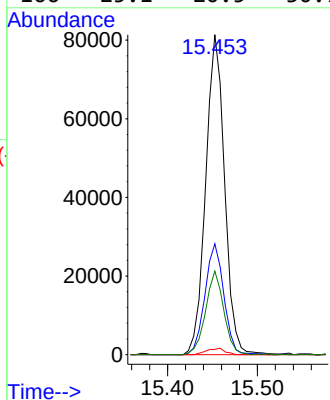
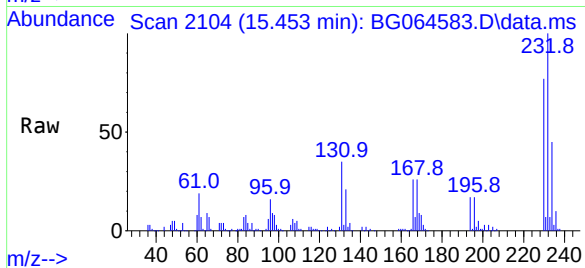




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.112 ng
RT: 15.453 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

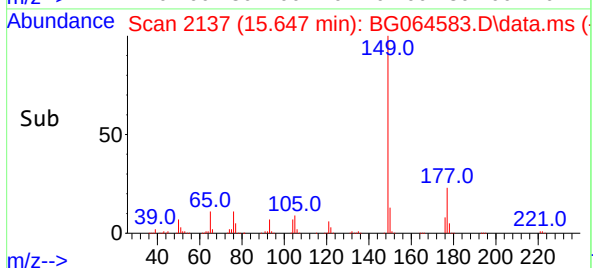
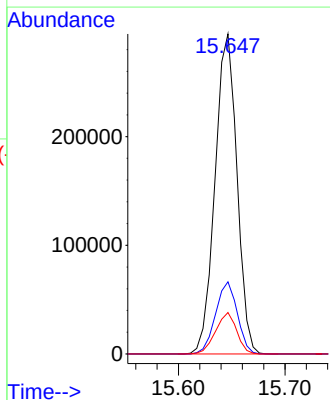
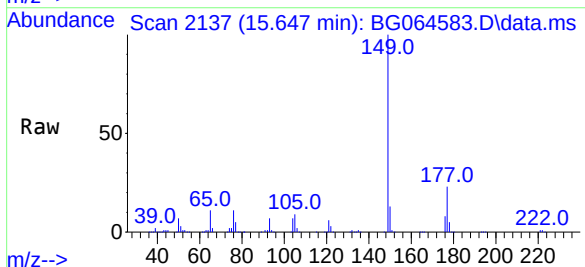
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

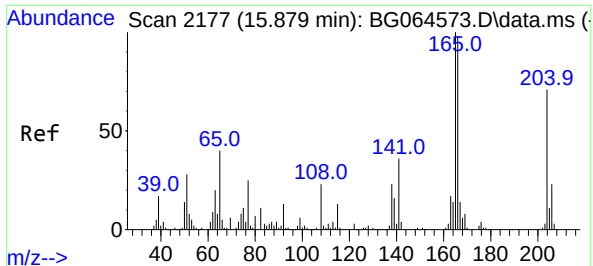
Tgt Ion:232 Resp: 118842
Ion Ratio Lower Upper
232 100
131 34.7 26.7 40.1
130 2.0 1.6 2.4
166 25.1 20.5 30.7



#60
Diethylphthalate
Concen: 39.366 ng
RT: 15.647 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:149 Resp: 419702
Ion Ratio Lower Upper
149 100
177 22.5 18.0 27.0
150 12.9 10.2 15.4

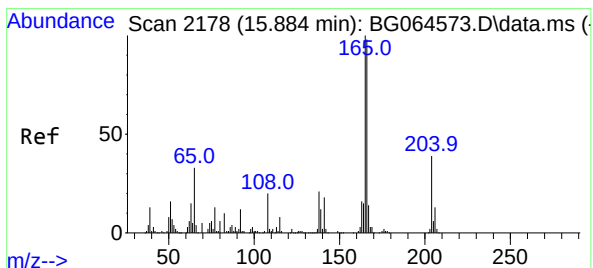
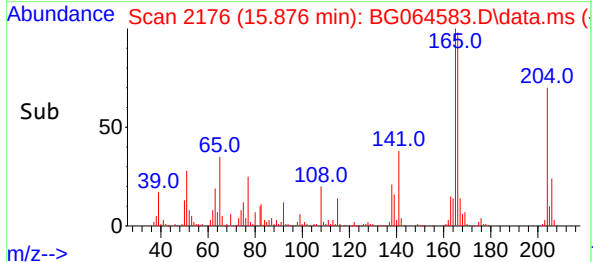
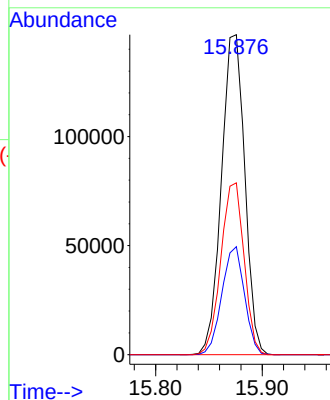
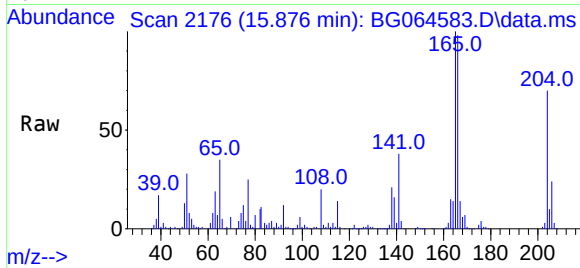




#61
4-Chlorophenyl-phenylether
Concen: 39.849 ng
RT: 15.876 min Scan# 2177
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

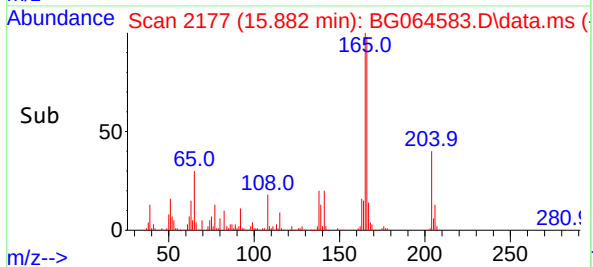
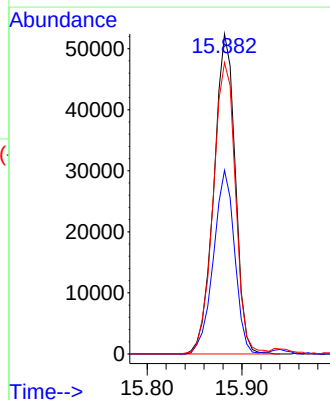
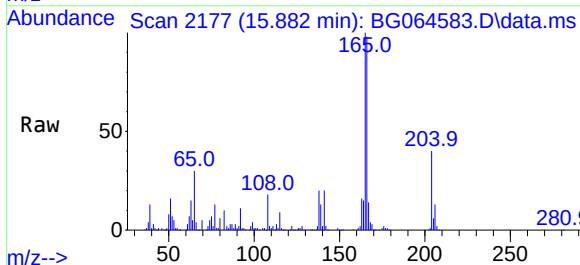
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

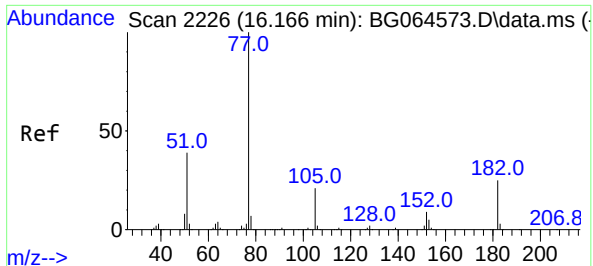
Tgt Ion:204 Resp: 222810
Ion Ratio Lower Upper
204 100
206 33.7 25.6 38.4
141 53.7 40.6 60.8



#62
4-Nitroaniline
Concen: 41.112 ng
RT: 15.882 min Scan# 2177
Delta R.T. -0.012 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:138 Resp: 82074
Ion Ratio Lower Upper
138 100
92 57.4 36.1 76.1
108 91.1 75.6 115.6



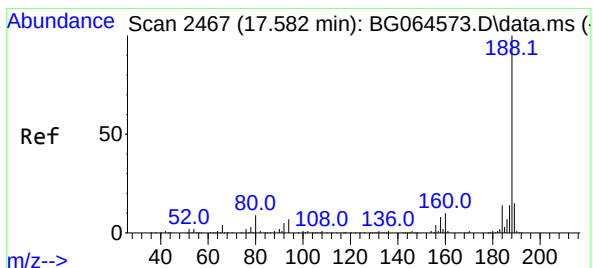
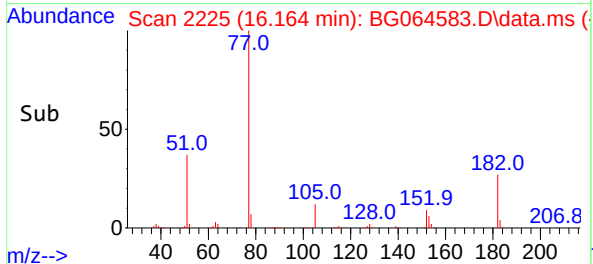
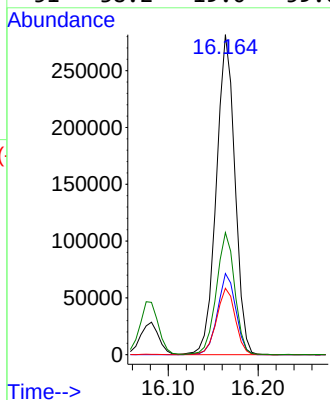
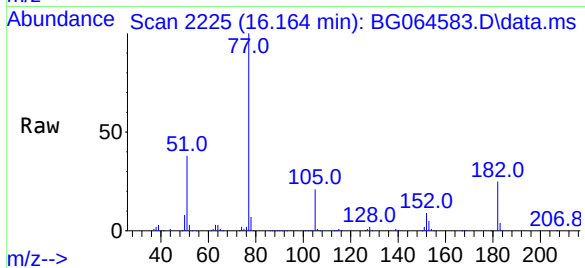


#63
Azobenzene
Concen: 41.315 ng
RT: 16.164 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 404156

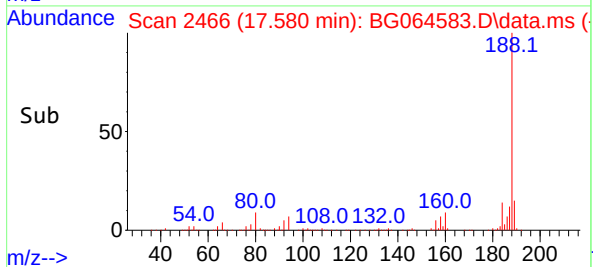
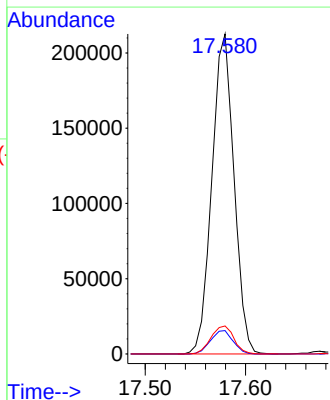
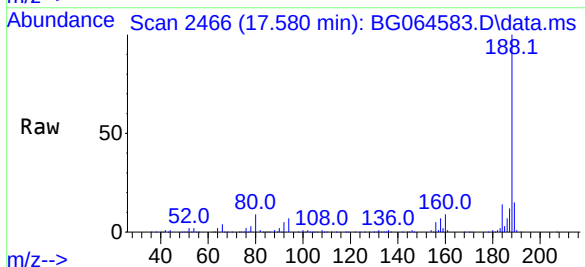
Ion	Ratio	Lower	Upper
77	100		
182	25.3	4.9	44.9
105	20.8	1.3	41.3
51	38.2	19.0	59.0



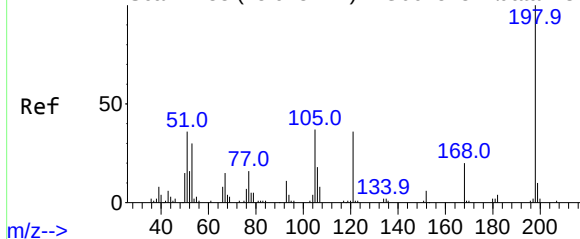
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2466
Delta R.T. -0.000 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion: 188 Resp: 324576

Ion	Ratio	Lower	Upper
188	100		
94	7.3	5.7	8.5
80	8.8	6.8	10.2

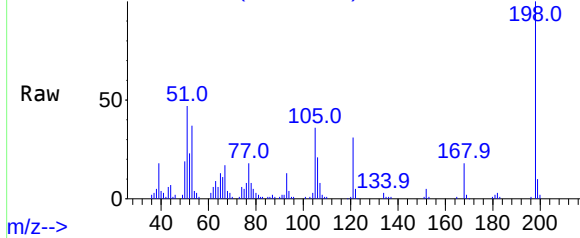


Abundance Scan 2188 (15.943 min): BG064573.D\data.ms (



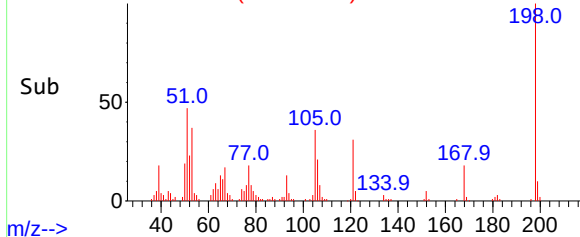
m/z-->

Abundance Scan 2187 (15.940 min): BG064583.D\data.ms



m/z-->

Abundance Scan 2187 (15.940 min): BG064583.D\data.ms (



m/z-->

#65

4,6-Dinitro-2-methylphenol

Concen: 37.510 ng

RT: 15.940 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:198 Resp: 51664

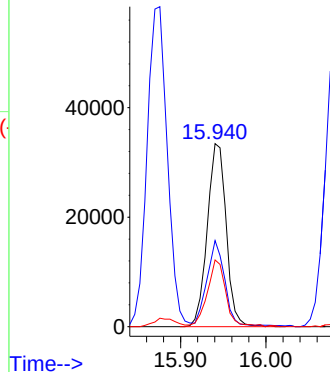
Ion Ratio Lower Upper

198 100

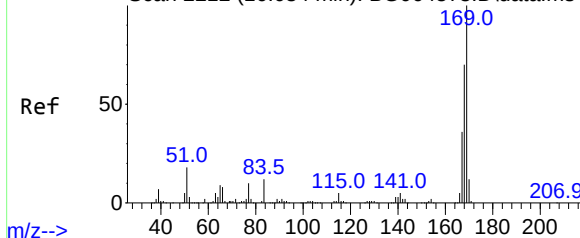
51 47.0 24.7 64.7

105 36.4 18.0 58.0

Abundance

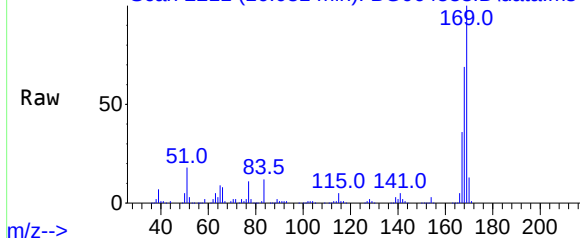


Abundance Scan 2212 (16.084 min): BG064573.D\data.ms (



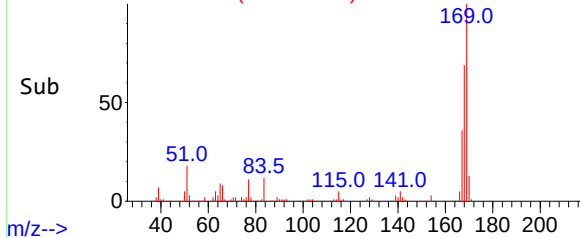
m/z-->

Abundance Scan 2211 (16.081 min): BG064583.D\data.ms



m/z-->

Abundance Scan 2211 (16.081 min): BG064583.D\data.ms (



m/z-->

#66

n-Nitrosodiphenylamine

Concen: 41.867 ng

RT: 16.081 min Scan# 2211

Delta R.T. -0.007 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Tgt Ion:169 Resp: 367072

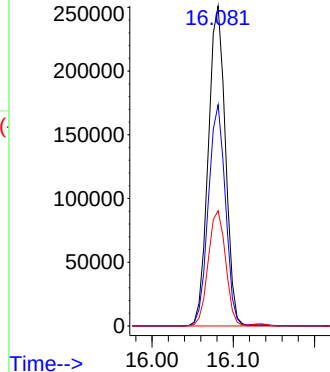
Ion Ratio Lower Upper

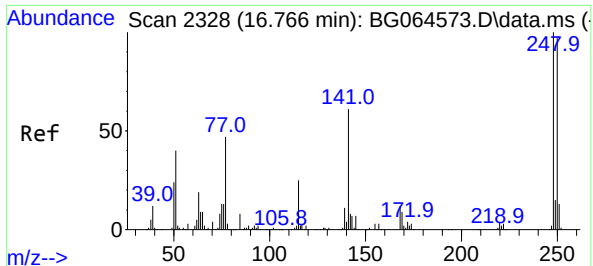
169 100

168 69.1 56.3 84.5

167 36.0 29.0 43.6

Abundance

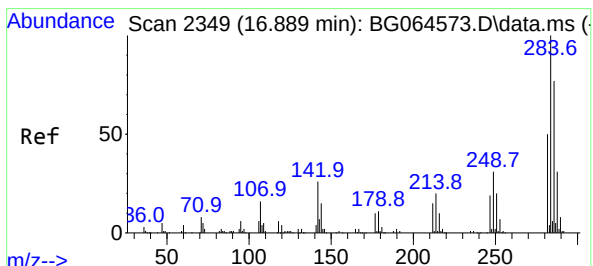
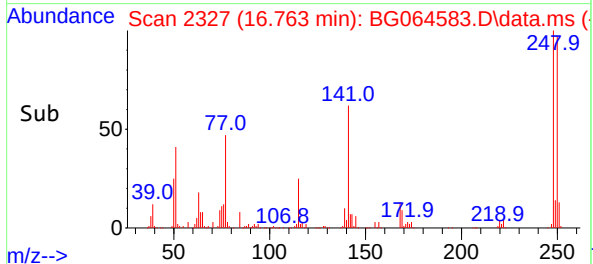
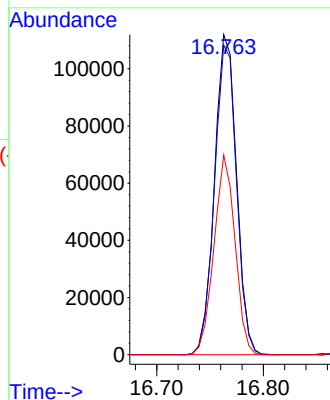
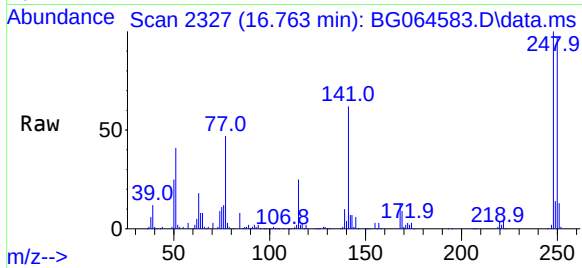




#67
4-Bromophenyl-phenylether
Concen: 41.720 ng
RT: 16.763 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

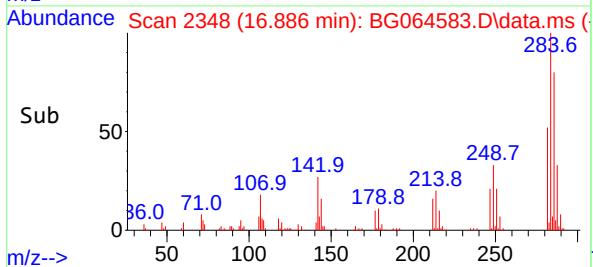
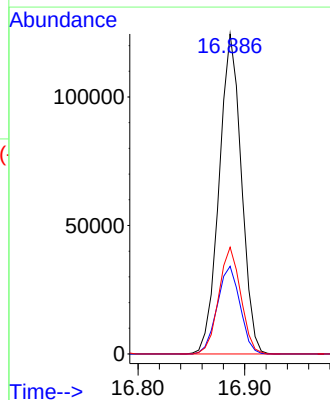
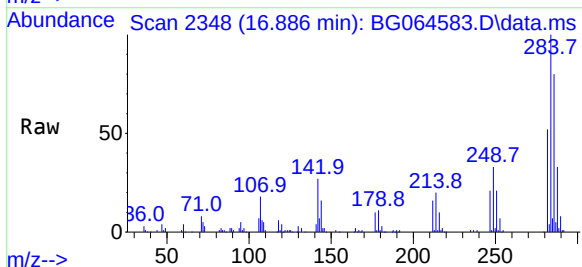
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

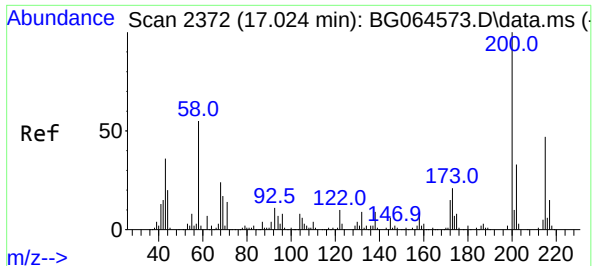
Tgt Ion:248 Resp: 160468
Ion Ratio Lower Upper
248 100
250 96.7 77.7 116.5
141 62.3 48.6 72.8



#68
Hexachlorobenzene
Concen: 41.094 ng
RT: 16.886 min Scan# 2348
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:284 Resp: 180323
Ion Ratio Lower Upper
284 100
142 27.4 21.0 31.6
249 33.3 24.9 37.3

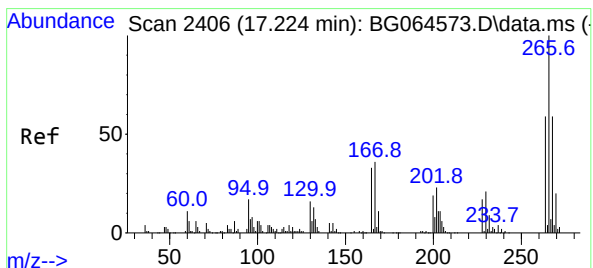
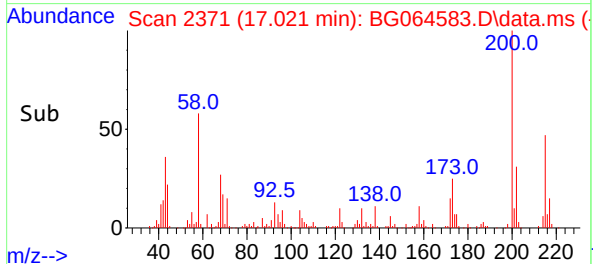
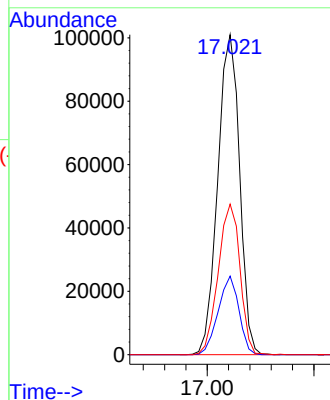
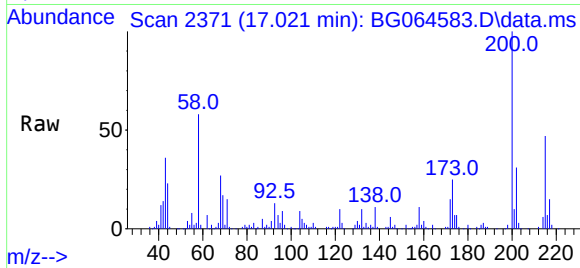




#69
Atrazine
Concen: 37.977 ng
RT: 17.021 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

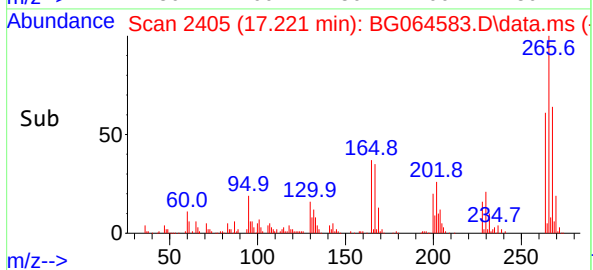
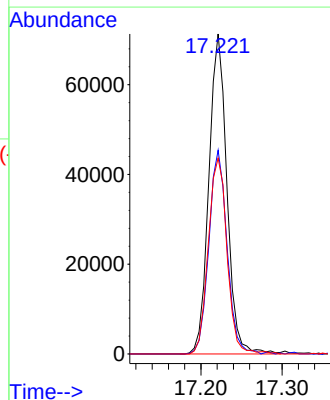
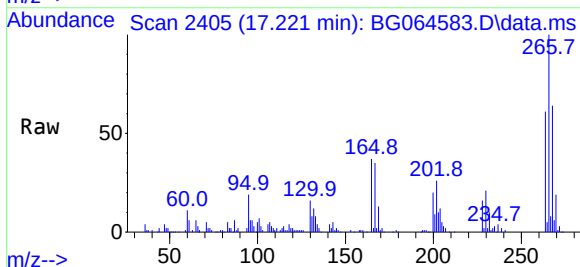
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

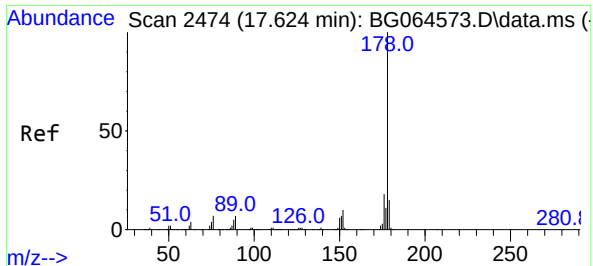
Tgt Ion:200 Resp: 143289
Ion Ratio Lower Upper
200 100
173 24.6 0.9 40.9
215 47.1 27.0 67.0



#70
Pentachlorophenol
Concen: 40.129 ng
RT: 17.221 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:266 Resp: 109806
Ion Ratio Lower Upper
266 100
268 69.2 50.3 75.5
264 66.4 47.3 70.9

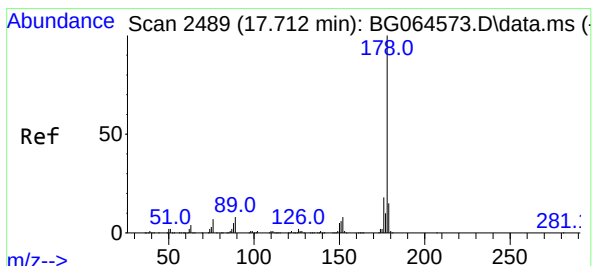
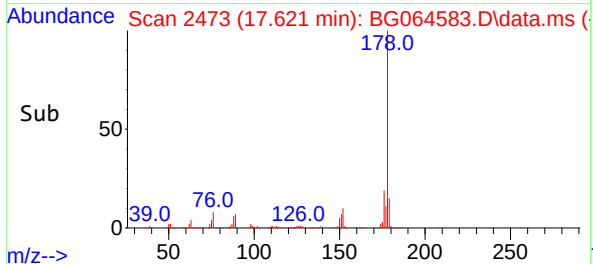
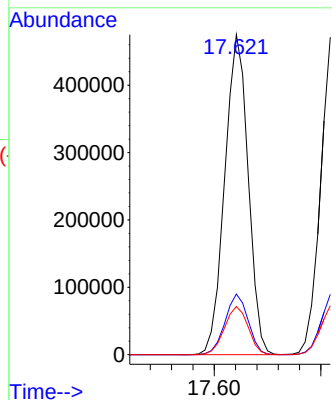
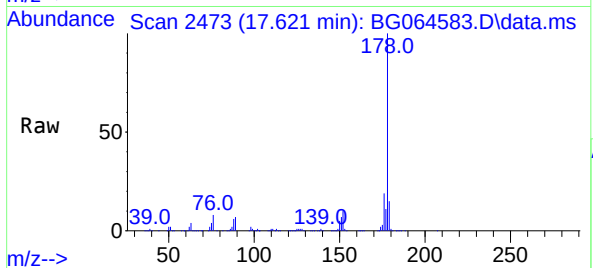




#71
Phenanthrene
Concen: 40.740 ng
RT: 17.621 min Scan# 2474
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

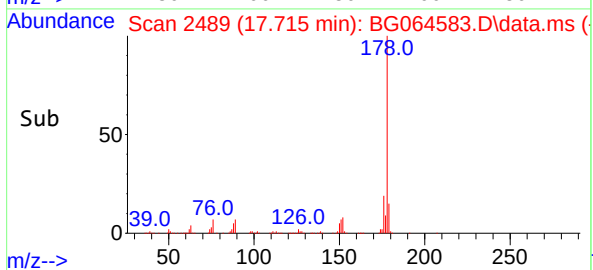
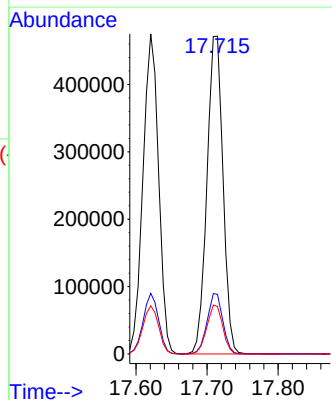
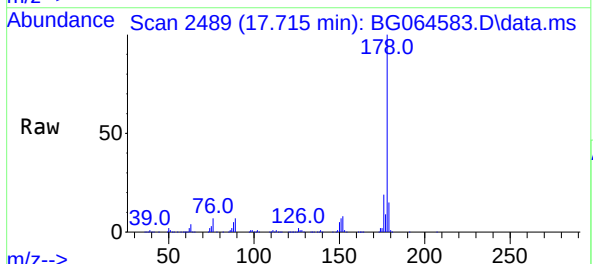
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

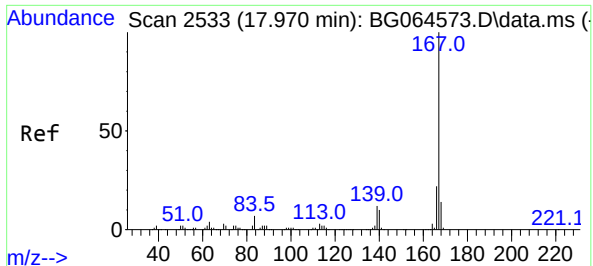
Tgt Ion:178 Resp: 723122
Ion Ratio Lower Upper
178 100
176 19.0 14.7 22.1
179 15.0 12.2 18.4



#72
Anthracene
Concen: 41.035 ng
RT: 17.715 min Scan# 2489
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:178 Resp: 740918
Ion Ratio Lower Upper
178 100
176 18.8 14.4 21.6
179 14.9 12.4 18.6

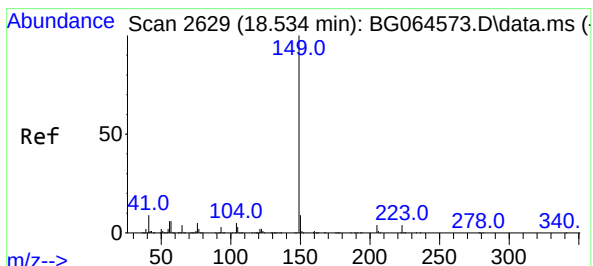
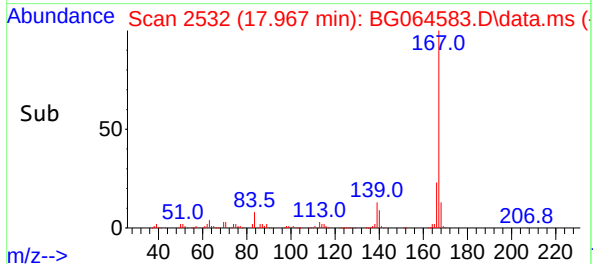
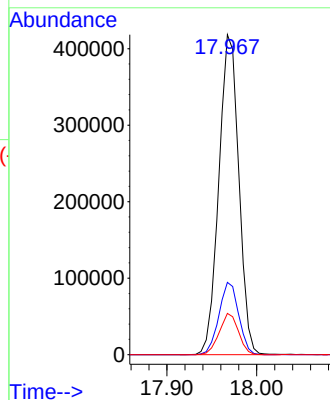
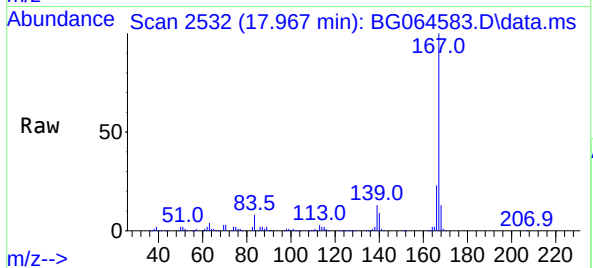




#73
Carbazole
Concen: 40.561 ng
RT: 17.967 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

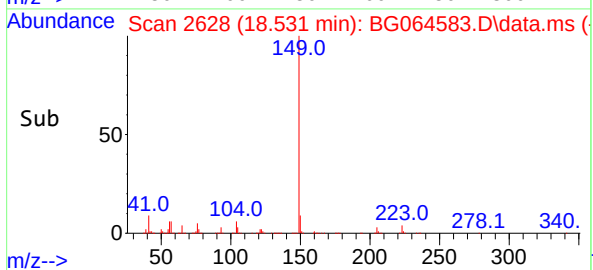
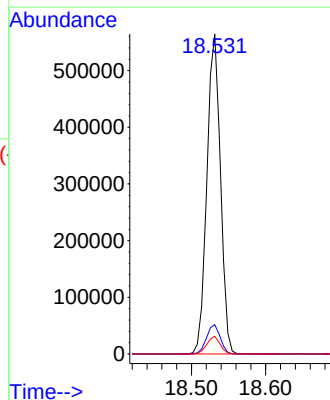
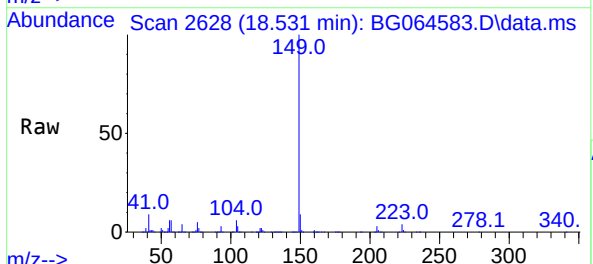
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

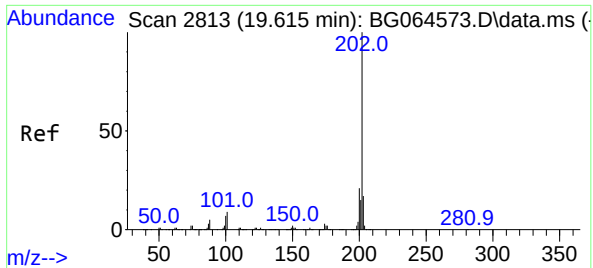
Tgt Ion:167 Resp: 645806
Ion Ratio Lower Upper
167 100
166 22.6 17.9 26.9
139 12.9 9.7 14.5



#74
Di-n-butylphthalate
Concen: 38.911 ng
RT: 18.531 min Scan# 2628
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:149 Resp: 716403
Ion Ratio Lower Upper
149 100
150 9.2 7.0 10.6
104 5.5 4.1 6.1

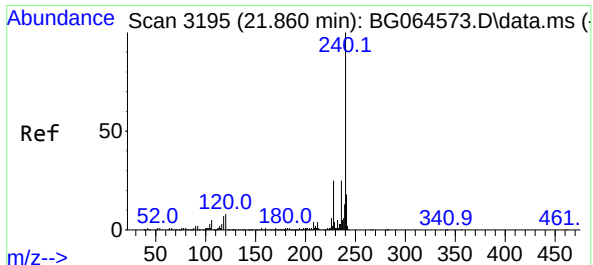
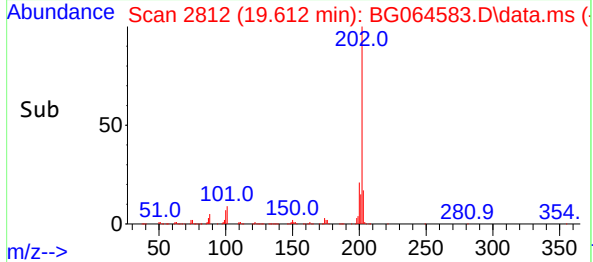
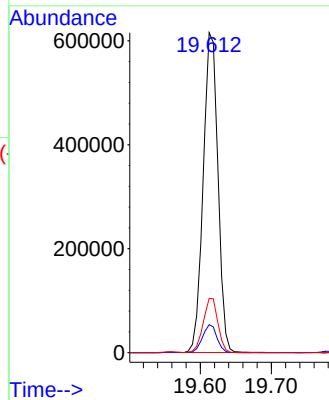
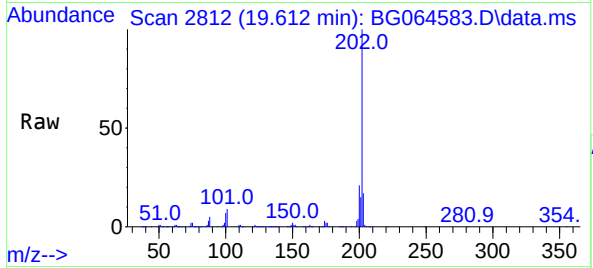




#75
Fluoranthene
Concen: 40.019 ng
RT: 19.612 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

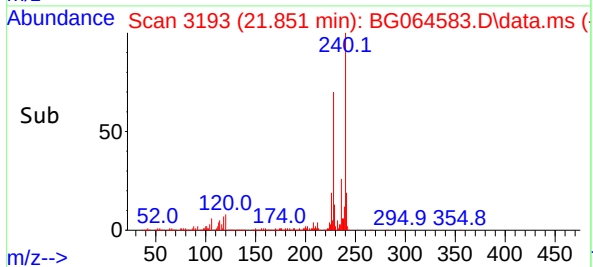
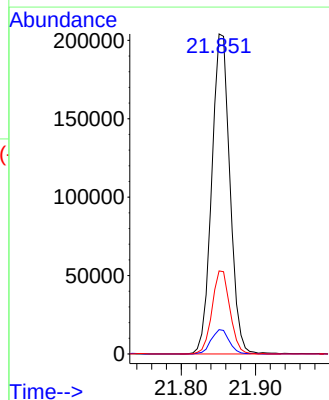
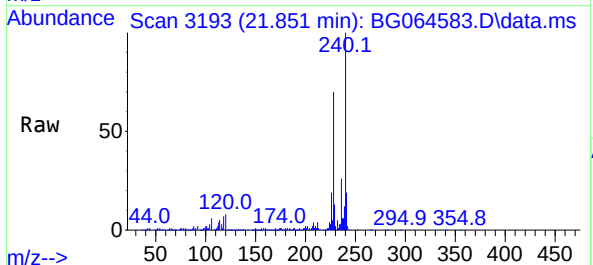
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

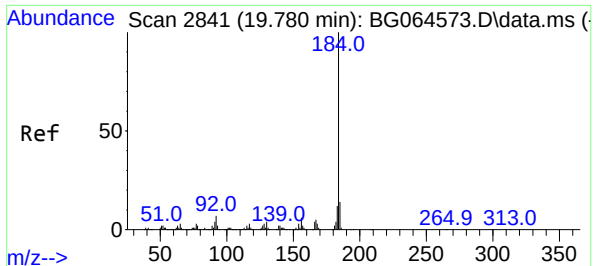
Tgt Ion:202 Resp: 889861
Ion Ratio Lower Upper
202 100
101 8.7 0.0 28.7
203 16.9 0.0 37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.851 min Scan# 3193
Delta R.T. -0.012 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:240 Resp: 347536
Ion Ratio Lower Upper
240 100
120 7.6 6.5 9.7
236 26.0 20.2 30.2

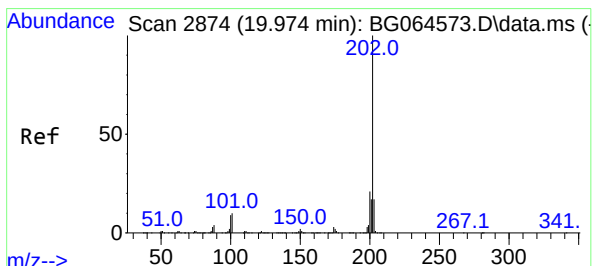
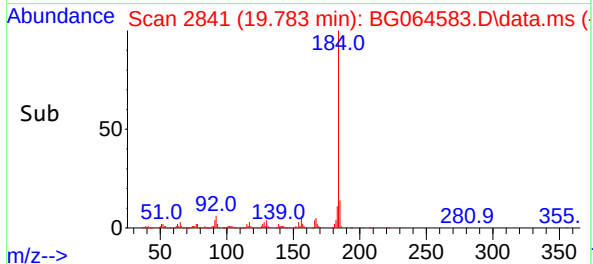
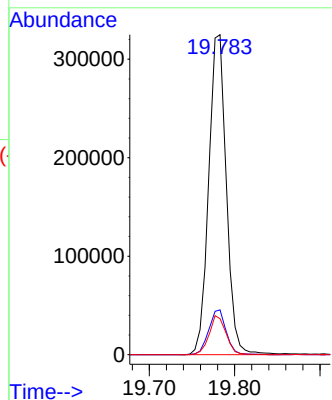
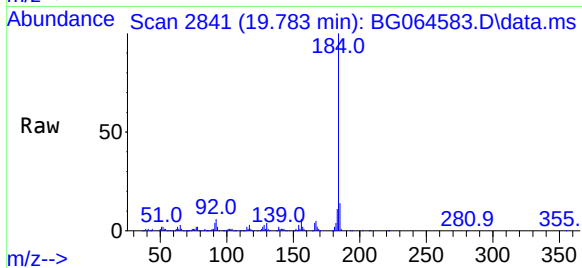




#77
Benzidine
Concen: 59.923 ng
RT: 19.783 min Scan# 2841
Delta R.T. -0.001 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

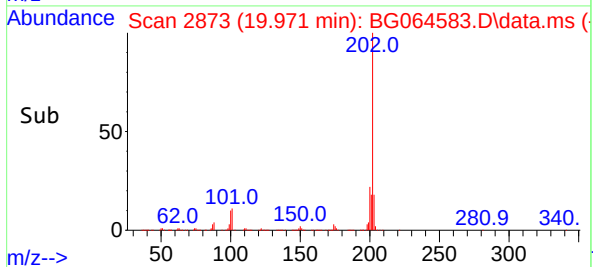
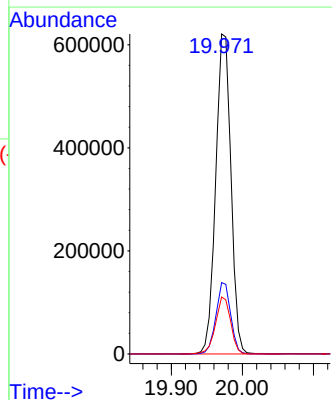
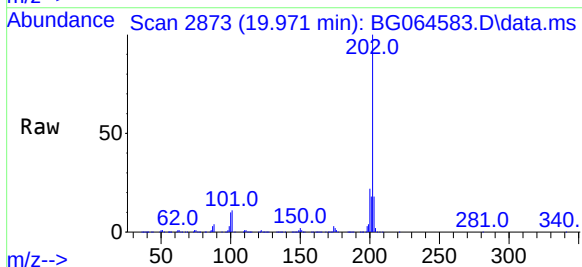
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

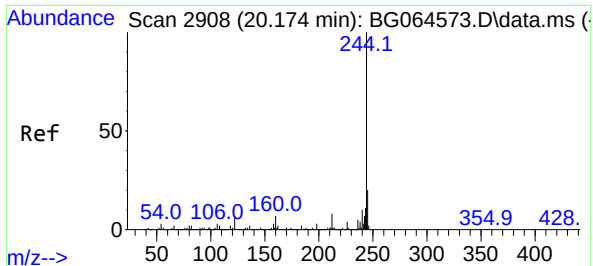
Tgt Ion:184 Resp: 466575
Ion Ratio Lower Upper
184 100
185 14.0 11.4 17.2
183 11.3 9.4 14.2



#78
Pyrene
Concen: 40.568 ng
RT: 19.971 min Scan# 2873
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:202 Resp: 921148
Ion Ratio Lower Upper
202 100
200 22.3 17.0 25.4
203 17.8 13.8 20.6

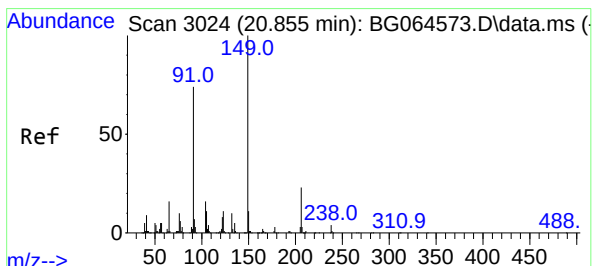
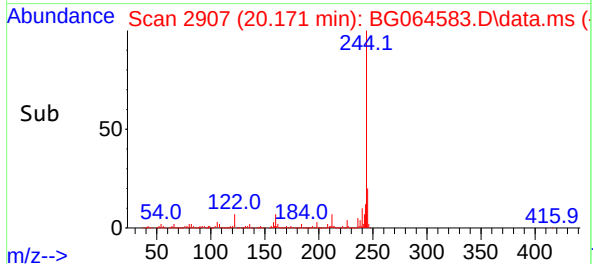
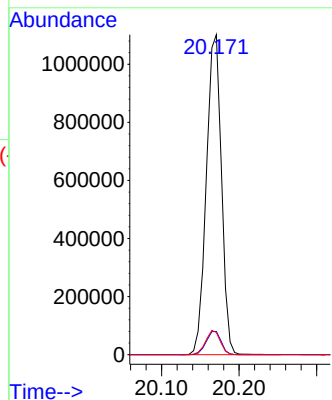
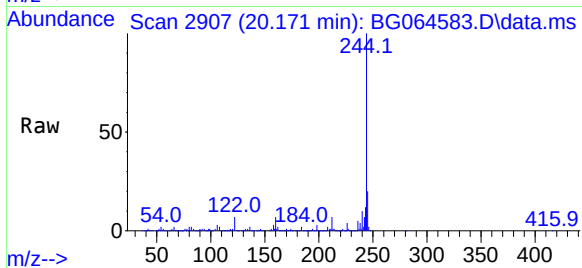




#79
Terphenyl-d14
Concen: 80.733 ng
RT: 20.171 min Scan# 2907
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

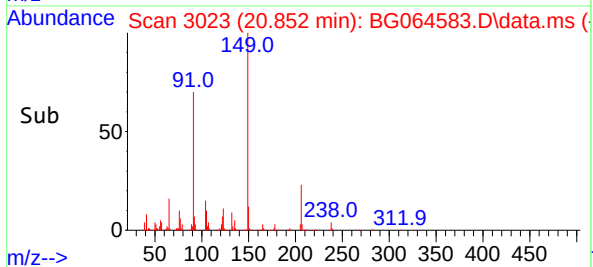
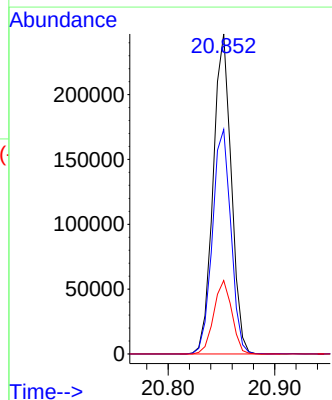
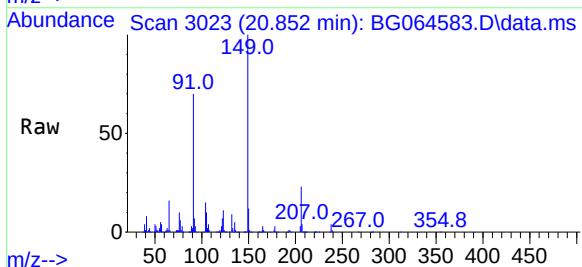
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

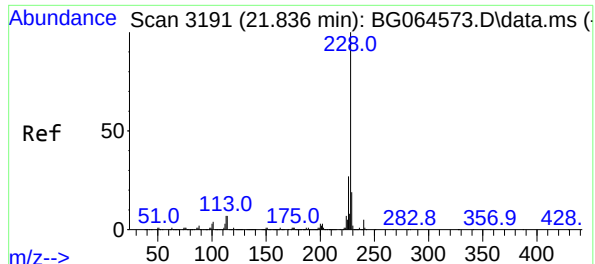
Tgt Ion:244 Resp: 1486757
Ion Ratio Lower Upper
244 100
212 7.3 6.1 9.1
122 7.0 5.6 8.4



#80
Butylbenzylphthalate
Concen: 42.388 ng
RT: 20.852 min Scan# 3023
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:149 Resp: 290894
Ion Ratio Lower Upper
149 100
91 70.2 59.2 88.8
206 22.9 18.1 27.1

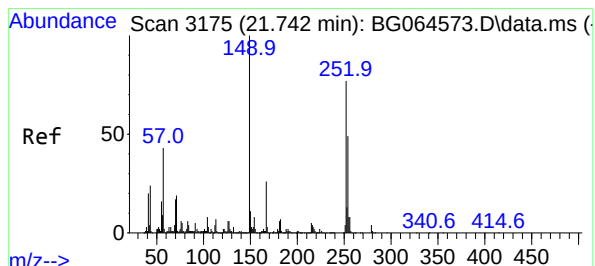
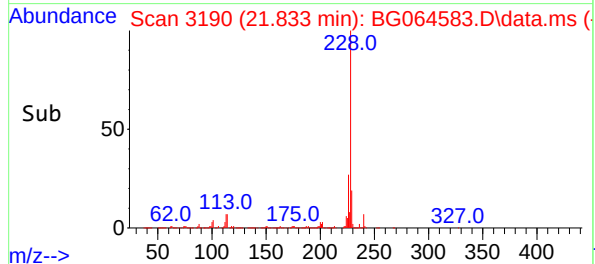
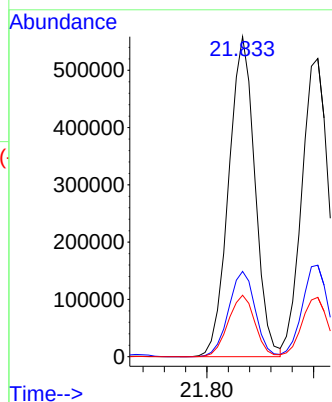
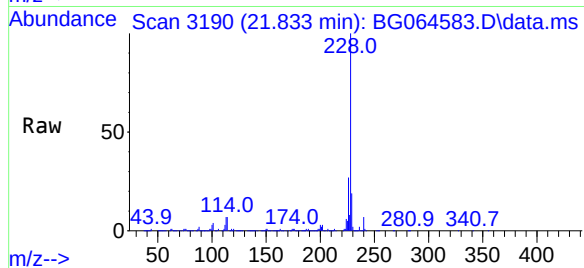




#81
Benzo(a)anthracene
Concen: 41.414 ng
RT: 21.833 min Scan# 3191
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

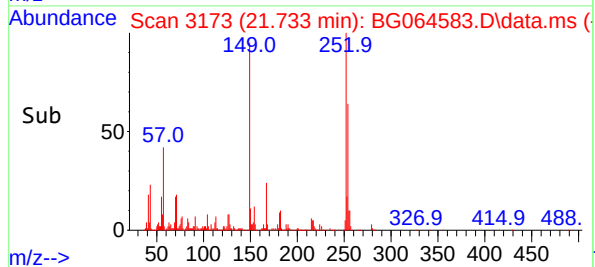
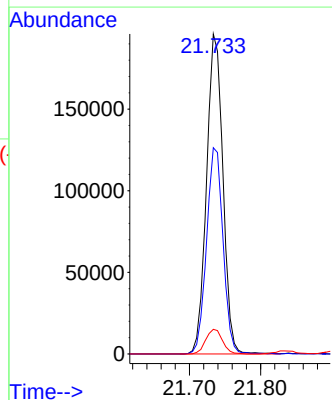
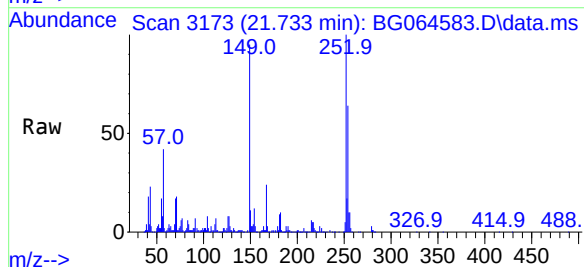
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

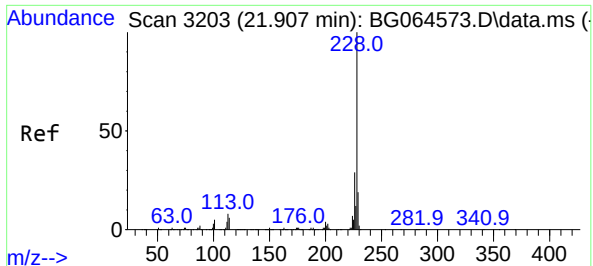
Tgt Ion:228 Resp: 954317
Ion Ratio Lower Upper
228 100
226 26.7 21.9 32.9
229 19.2 15.6 23.4



#82
3,3'-Dichlorobenzidine
Concen: 40.849 ng
RT: 21.733 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:252 Resp: 314331
Ion Ratio Lower Upper
252 100
254 64.4 50.8 76.2
126 7.7 5.8 8.6

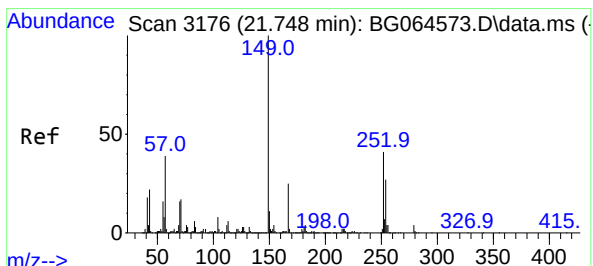
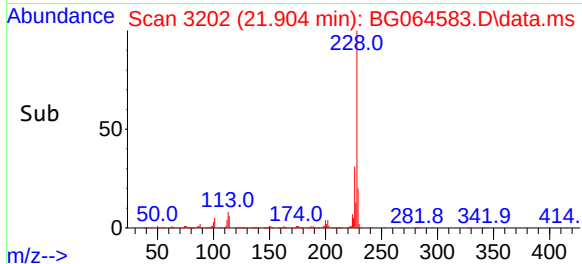
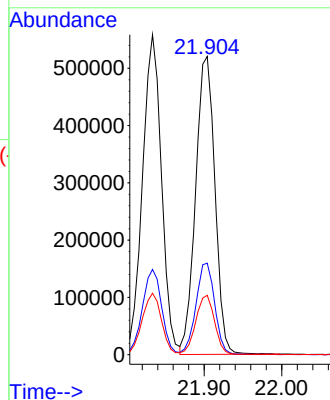
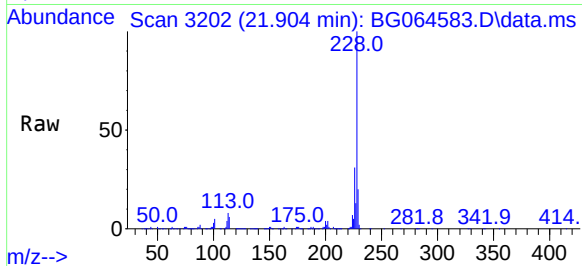




#83
Chrysene
Concen: 41.033 ng
RT: 21.904 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

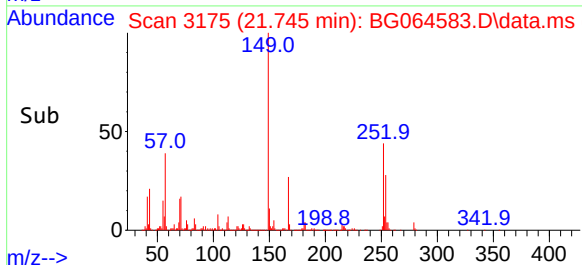
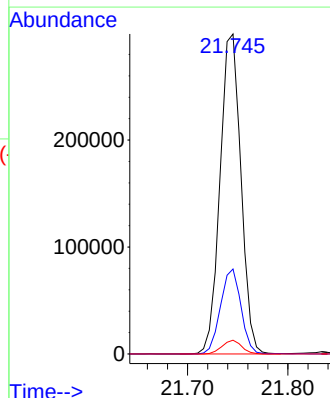
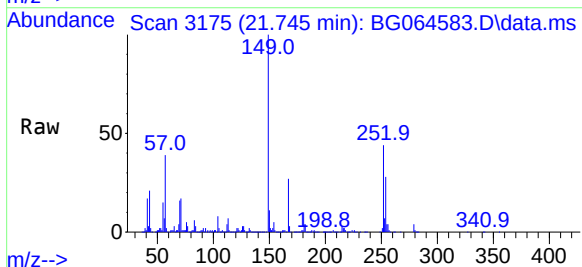
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

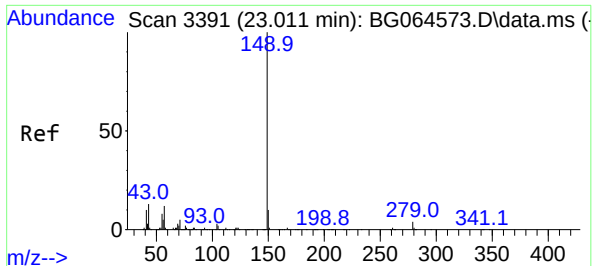
Tgt Ion:228 Resp: 899714
Ion Ratio Lower Upper
228 100
226 30.7 23.3 34.9
229 19.9 15.2 22.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.146 ng
RT: 21.745 min Scan# 3175
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:149 Resp: 432180
Ion Ratio Lower Upper
149 100
167 26.6 20.0 30.0
279 4.3 3.1 4.7

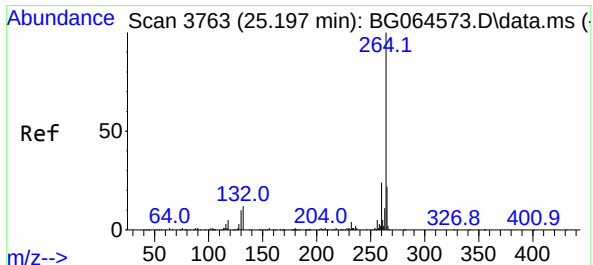
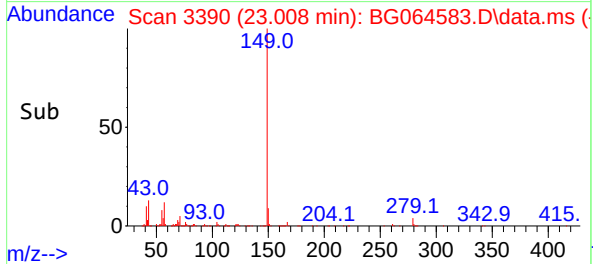
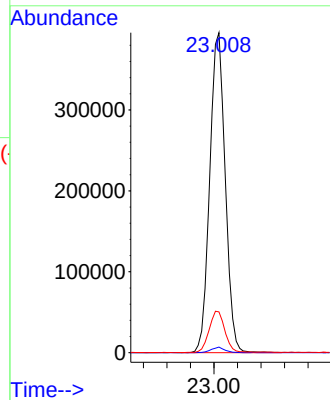
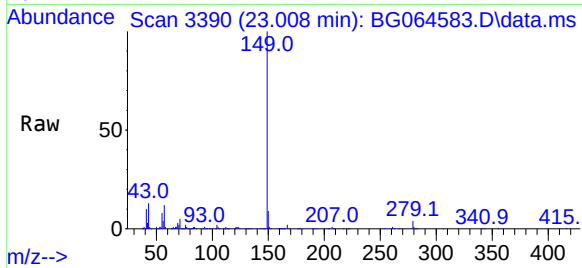




#85
Di-n-octyl phthalate
Concen: 41.817 ng
RT: 23.008 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

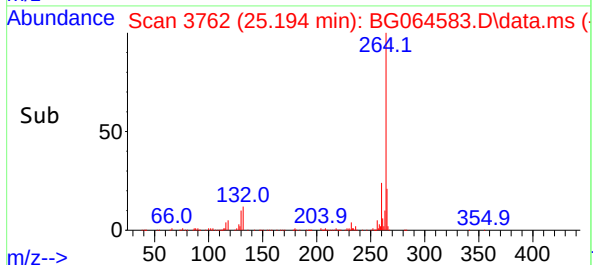
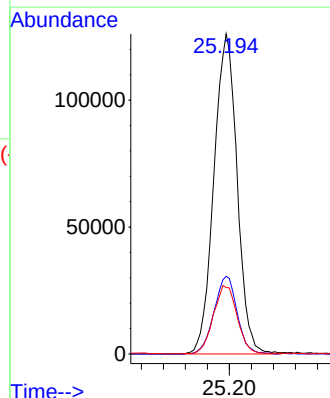
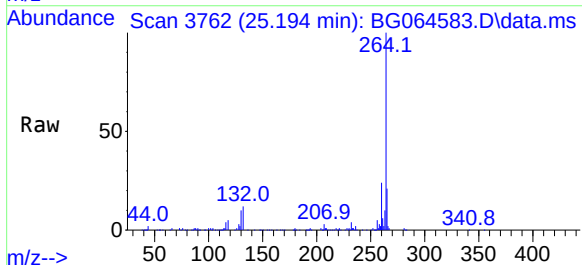
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 722967
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 13.4 10.8 16.2

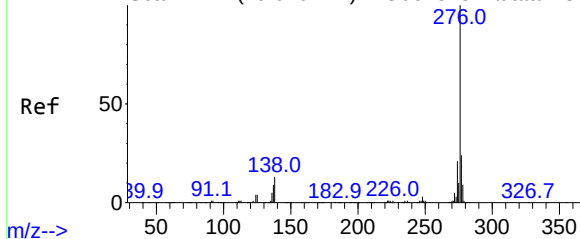


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.194 min Scan# 3762
Delta R.T. -0.006 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:264 Resp: 368889
Ion Ratio Lower Upper
264 100
260 24.3 19.0 28.4
265 20.7 17.6 26.4



Abundance Scan 4417 (29.040 min): BG064573.D\data.ms (



#87

Indeno(1,2,3-cd)pyrene

Concen: 41.398 ng

RT: 29.031 min Scan# 4415

Delta R.T. -0.030 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Instrument :

BNA_G

ClientSampleId :

SSTDCCC040

Tgt Ion:276 Resp: 1123402

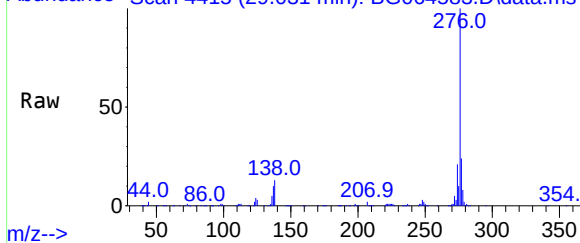
Ion Ratio Lower Upper

276 100

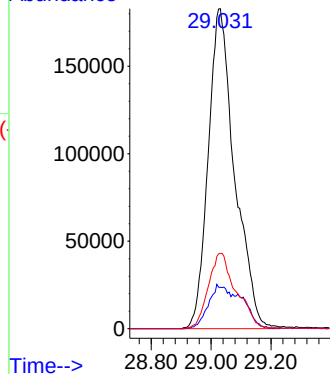
138 12.3 10.8 16.2

277 24.9 20.1 30.1

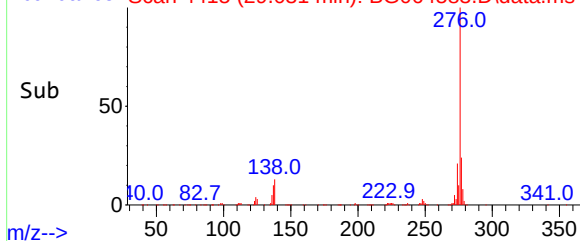
Abundance Scan 4415 (29.031 min): BG064583.D\data.ms



Abundance

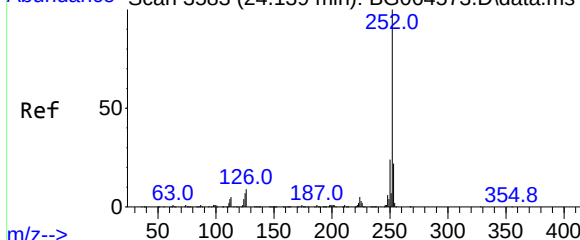


Abundance Scan 4415 (29.031 min): BG064583.D\data.ms (



Time-->

Abundance Scan 3583 (24.139 min): BG064573.D\data.ms (



#88

Benzo(b)fluoranthene

Concen: 41.242 ng

RT: 24.137 min Scan# 3582

Delta R.T. -0.006 min

Lab File: BG064583.D

Acq: 27 Oct 2025 11:57

Tgt Ion:252 Resp: 932900

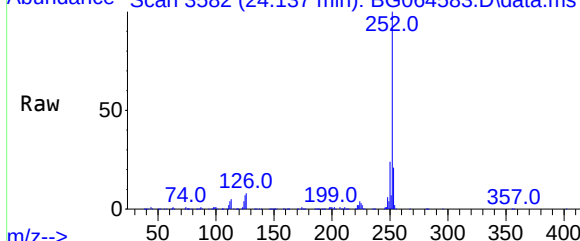
Ion Ratio Lower Upper

252 100

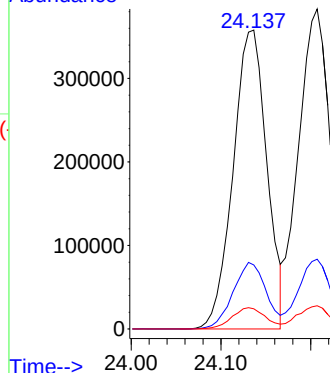
253 21.4 17.8 26.8

125 6.8 5.6 8.4

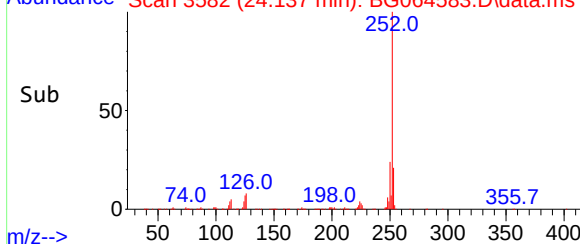
Abundance Scan 3582 (24.137 min): BG064583.D\data.ms



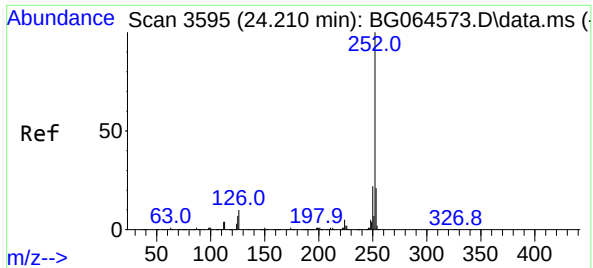
Abundance



Abundance Scan 3582 (24.137 min): BG064583.D\data.ms (



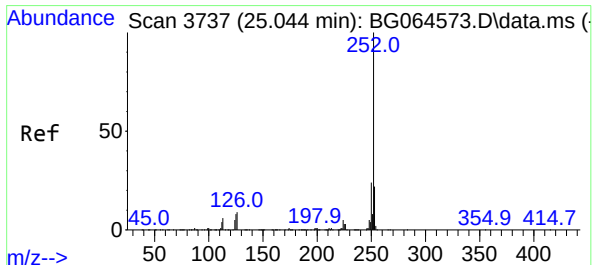
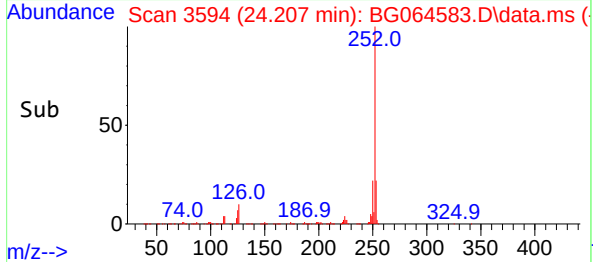
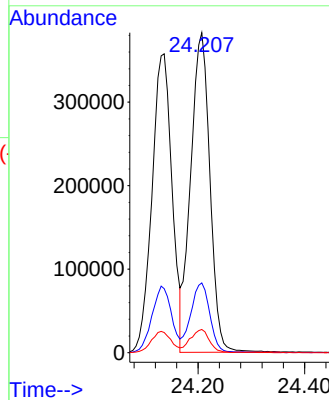
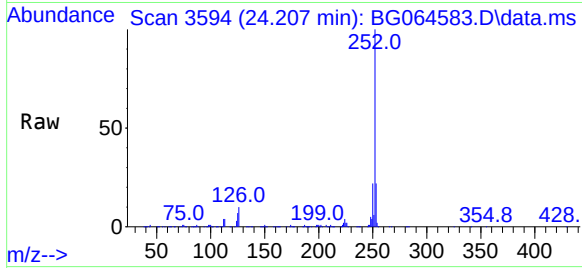
Time-->



#89
Benzo(k)fluoranthene
Concen: 42.319 ng
RT: 24.207 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

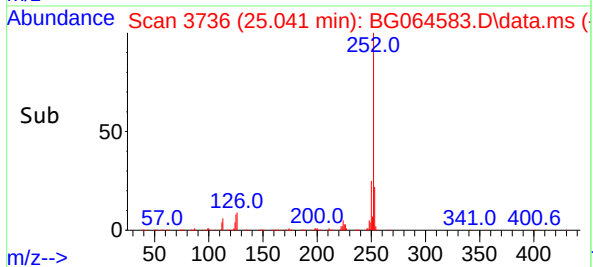
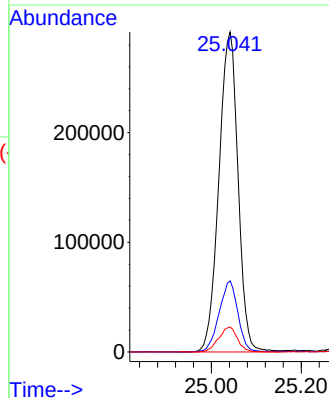
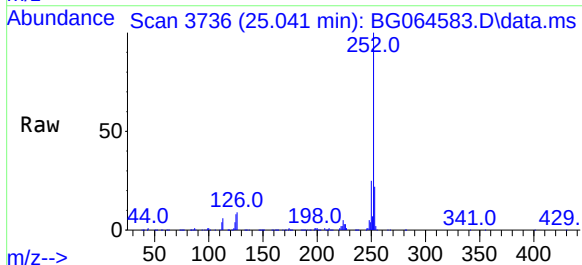
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

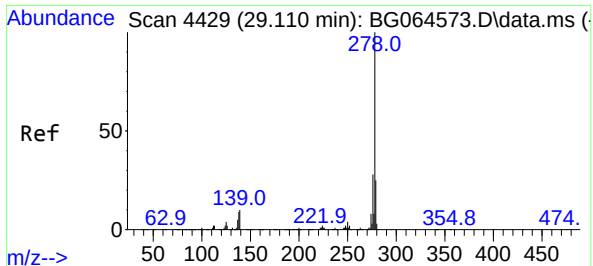
Tgt Ion:252 Resp: 957914
Ion Ratio Lower Upper
252 100
253 21.8 16.8 25.2
125 7.3 5.4 8.0



#90
Benzo(a)pyrene
Concen: 41.573 ng
RT: 25.041 min Scan# 3736
Delta R.T. -0.018 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:252 Resp: 864413
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 7.8 6.1 9.1

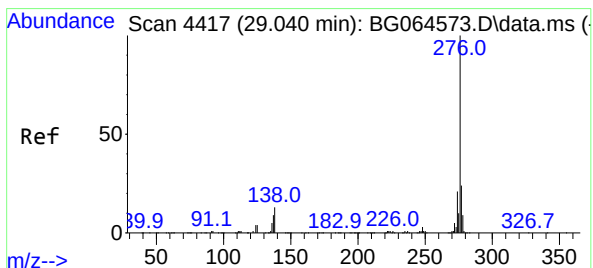
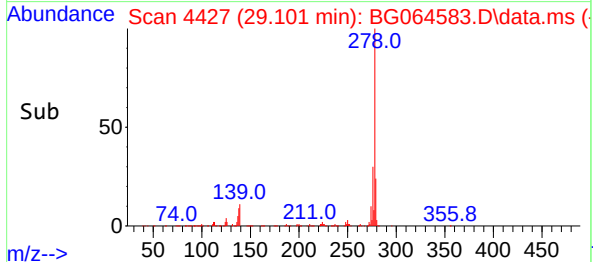
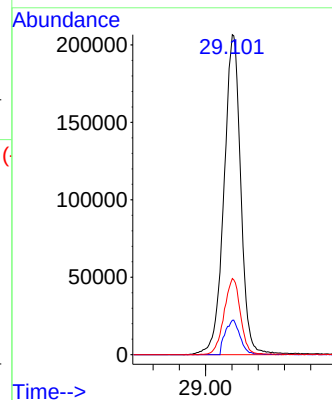
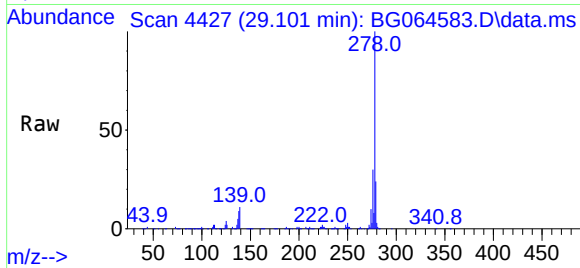




#91
Dibenzo(a,h)anthracene
Concen: 41.553 ng
RT: 29.101 min Scan# 4427
Delta R.T. -0.036 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

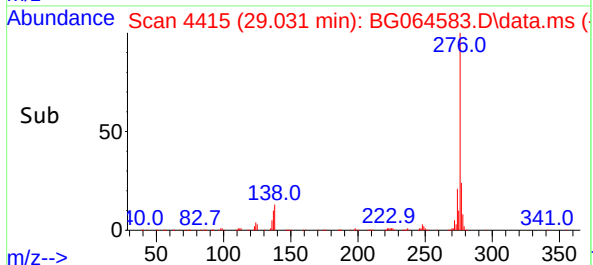
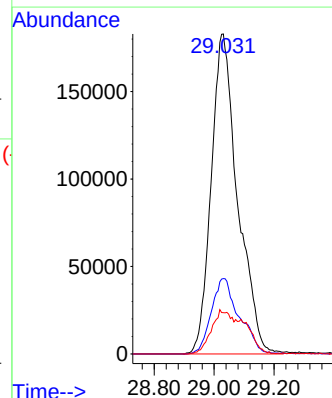
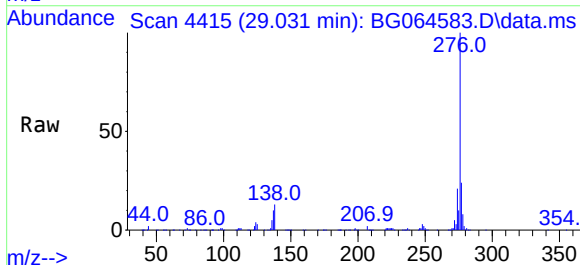
Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 916106
Ion Ratio Lower Upper
278 100
139 10.8 8.0 12.0
279 23.8 19.8 29.6



#92
Benzo(g,h,i)perylene
Concen: 41.398 ng
RT: 29.031 min Scan# 4415
Delta R.T. -0.030 min
Lab File: BG064583.D
Acq: 27 Oct 2025 11:57

Tgt Ion:276 Resp: 1123402
Ion Ratio Lower Upper
276 100
277 23.6 19.2 28.8
138 12.9 10.7 16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064583.D
 Acq On : 27 Oct 2025 11:57
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 27 12:47:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
2	1,4-Dioxane	0.528	0.633	-19.9	119	0.00
3	Pyridine	1.584	2.455	-55.0#	145	0.00
4	n-Nitrosodimethylamine	0.850	1.000	-17.6	110	0.00
5 S	2-Fluorophenol	1.192	1.450	-21.6	111	0.00
6	Aniline	2.225	2.744	-23.3	114	0.00
7 S	Phenol-d6	1.635	2.044	-25.0#	114	0.00
8	2-Chlorophenol	1.247	1.578	-26.5#	114	0.00
9	Benzaldehyde	0.893	1.717	-92.3#	181#	0.00
10 C	Phenol	1.808	2.253	-24.6#	115	0.00
11	bis(2-Chloroethyl)ether	2.225	2.744	-23.3	114	0.00
12	1,3-Dichlorobenzene	1.435	1.497	-4.3	97	0.00
13 C	1,4-Dichlorobenzene	1.460	1.518	-4.0	98	0.00
14	1,2-Dichlorobenzene	1.408	1.461	-3.8	97	0.00
15	Benzyl Alcohol	1.348	1.452	-7.7	101	0.00
16	2,2'-oxybis(1-Chloropropane	3.487	3.810	-9.3	101	0.00
17	2-Methylphenol	0.674	0.741	-9.9	98	0.00
18	Hexachloroethane	0.512	0.530	-3.5	97	0.00
19 P	n-Nitroso-di-n-propylamine	1.130	1.299	-15.0	105	0.00
20	3+4-Methylphenols	1.688	1.798	-6.5	98	-0.01
21 I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22	Acetophenone	0.547	0.561	-2.6	101	0.00
23 S	Nitrobenzene-d5	0.333	0.335	-0.6	94	0.00
24	Nitrobenzene	0.362	0.371	-2.5	95	0.00
25	Isophorone	0.799	0.838	-4.9	102	-0.01
26 C	2-Nitrophenol	0.121	0.114	5.8	88	0.00
27	2,4-Dimethylphenol	0.303	0.316	-4.3	99	0.00
28	bis(2-Chloroethoxy)methane	0.455	0.477	-4.8	103	0.00
29 C	2,4-Dichlorophenol	0.320	0.336	-5.0	99	0.00
30	1,2,4-Trichlorobenzene	0.363	0.370	-1.9	100	0.00
31	Naphthalene	1.109	1.134	-2.3	102	0.00
32	Benzoic acid	0.189	0.176	6.9	91	-0.02
33	4-Chloroaniline	0.431	0.451	-4.6	104	0.00
34 C	Hexachlorobutadiene	0.284	0.289	-1.8	102	0.00
35	Caprolactam	0.123	0.118	4.1	93	-0.02
36 C	4-Chloro-3-methylphenol	0.384	0.401	-4.4	99	0.00
37	2-Methylnaphthalene	0.814	0.842	-3.4	103	0.00
38	1-Methylnaphthalene	0.801	0.823	-2.7	102	0.00
39 I	Acenaphthene-d10	1.000	1.000	0.0	105	0.00
40	1,2,4,5-Tetrachlorobenzene	0.671	0.671	0.0	100	0.00
41 P	Hexachlorocyclopentadiene	0.302	0.278	7.9	90	0.00
42 S	2,4,6-Tribromophenol	0.289	0.288	0.3	95	0.00
43 C	2,4,6-Trichlorophenol	0.384	0.396	-3.1	98	0.00
44	2,4,5-Trichlorophenol	0.443	0.454	-2.5	98	0.00
45 S	2-Fluorobiphenyl	1.319	1.332	-1.0	101	0.00
46	1,1'-Biphenyl	1.422	1.458	-2.5	102	0.00
47	2-Chloronaphthalene	1.073	1.098	-2.3	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064583.D
 Acq On : 27 Oct 2025 11:57
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 27 12:47:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.311	0.299	3.9	90	0.00
49	Acenaphthylene	1.693	1.726	-1.9	101	0.00
50	Dimethylphthalate	1.530	1.534	-0.3	98	0.00
51	2,6-Dinitrotoluene	0.218	0.217	0.5	92	0.00
52 C	Acenaphthene	1.157	1.176	-1.6	101	0.00
53	3-Nitroaniline	0.263	0.266	-1.1	95	0.00
54 P	2,4-Dinitrophenol	0.132	0.132	0.0	101	0.00
55	Dibenzofuran	1.870	1.902	-1.7	101	0.00
56 P	4-Nitrophenol	0.244	0.236	3.3	95	0.00
57	2,4-Dinitrotoluene	0.340	0.332	2.4	90	0.00
58	Fluorene	1.460	1.460	0.0	100	0.00
59	2,3,4,6-Tetrachlorophenol	0.424	0.435	-2.6	98	0.00
60	Diethylphthalate	1.563	1.538	1.6	97	0.00
61	4-Chlorophenyl-phenylether	0.820	0.816	0.5	99	0.00
62	4-Nitroaniline	0.293	0.301	-2.7	96	-0.01
63	Azobenzene	1.434	1.481	-3.3	101	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00
65	4,6-Dinitro-2-methylphenol	0.079	0.080	-1.3	100	0.00
66 c	n-Nitrosodiphenylamine	0.540	0.565	-4.6	100	0.00
67	4-Bromophenyl-phenylether	0.237	0.247	-4.2	99	0.00
68	Hexachlorobenzene	0.270	0.278	-3.0	98	0.00
69	Atrazine	0.232	0.221	4.7	93	0.00
70 C	Pentachlorophenol	0.169	0.169	0.0	97	0.00
71	Phenanthrene	1.094	1.114	-1.8	99	0.00
72	Anthracene	1.113	1.141	-2.5	100	0.00
73	Carbazole	0.981	0.995	-1.4	100	0.00
74	Di-n-butylphthalate	1.134	1.104	2.6	92	0.00
75 C	Fluoranthene	1.370	1.371	-0.1	99	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	104	-0.01
77	Benzidine	0.448	0.671	-49.8#	143	0.00
78	Pyrene	1.307	1.325	-1.4	98	0.00
79 S	Terphenyl-d14	1.060	1.069	-0.8	98	0.00
80	Butylbenzylphthalate	0.395	0.419	-6.1	97	0.00
81	Benzo(a)anthracene	1.326	1.373	-3.5	101	0.00
82	3,3'-Dichlorobenzidine	0.443	0.452	-2.0	99	0.00
83	Chrysene	1.262	1.294	-2.5	101	0.00
84	Bis(2-ethylhexyl)phthalate	0.590	0.622	-5.4	97	0.00
85 c	Di-n-octyl phthalate	0.995	1.040	-4.5	100	0.00
86 I	Perylene-d12	1.000	1.000	0.0	105	0.00
87	Indeno(1,2,3-cd)pyrene	1.471	1.523	-3.5	102	-0.03
88	Benzo(b)fluoranthene	1.226	1.264	-3.1	101	0.00
89	Benzo(k)fluoranthene	1.227	1.298	-5.8	106	-0.01
90 C	Benzo(a)pyrene	1.127	1.172	-4.0	103	-0.02
91	Dibenzo(a,h)anthracene	1.195	1.242	-3.9	103	-0.04
92	Benzo(g,h,i)perylene	1.471	1.523	-3.5	102	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 27 12:47:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

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

Compound	AvgRF	CCRF	%Dev Area	% Dev(min)

(#) = Out of Range

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064583.D
 Acq On : 27 Oct 2025 11:57
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 27 12:47:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	99	0.00
2	1,4-Dioxane	40.000	48.018	-20.0	119	0.00
3	Pyridine	40.000	61.994	-55.0#	145	0.00
4	n-Nitrosodimethylamine	40.000	47.077	-17.7	110	0.00
5 S	2-Fluorophenol	80.000	97.366	-21.7	111	0.00
6	Aniline	40.000	49.338	-23.3	114	0.00
7 S	Phenol-d6	80.000	100.000	-25.0	114	0.00
8	2-Chlorophenol	40.000	50.611	-26.5#	114	0.00
9	Benzaldehyde	40.000	76.923	-92.3#	181	0.00
10 C	Phenol	40.000	49.835	-24.6#	115	0.00
11	bis(2-Chloroethyl)ether	40.000	49.338	-23.3	114	0.00
12	1,3-Dichlorobenzene	40.000	41.710	-4.3	97	0.00
13 C	1,4-Dichlorobenzene	40.000	41.603	-4.0	98	0.00
14	1,2-Dichlorobenzene	40.000	41.508	-3.8	97	0.00
15	Benzyl Alcohol	40.000	43.062	-7.7	101	0.00
16	2,2'-oxybis(1-Chloropropane	40.000	43.704	-9.3	101	0.00
17	2-Methylphenol	40.000	43.960	-9.9	98	0.00
18	Hexachloroethane	40.000	41.409	-3.5	97	0.00
19 P	n-Nitroso-di-n-propylamine	40.000	45.972	-14.9	105	0.00
20	3+4-Methylphenols	40.000	42.591	-6.5	98	-0.01
21 I	Naphthalene-d8	20.000	20.000	0.0	106	0.00
22	Acetophenone	40.000	41.032	-2.6	101	0.00
23 S	Nitrobenzene-d5	80.000	80.547	-0.7	94	0.00
24	Nitrobenzene	40.000	40.927	-2.3	95	0.00
25	Isophorone	40.000	41.948	-4.9	102	-0.01
26 C	2-Nitrophenol	40.000	33.699	15.8	88	0.00
27	2,4-Dimethylphenol	40.000	41.721	-4.3	99	0.00
28	bis(2-Chloroethoxy)methane	40.000	41.969	-4.9	103	0.00
29 C	2,4-Dichlorophenol	40.000	42.048	-5.1	99	0.00
30	1,2,4-Trichlorobenzene	40.000	40.719	-1.8	100	0.00
31	Naphthalene	40.000	40.895	-2.2	102	0.00
32	Benzoic acid	40.000	34.567	13.6	91	-0.02
33	4-Chloroaniline	40.000	41.846	-4.6	104	0.00
34 C	Hexachlorobutadiene	40.000	40.684	-1.7	102	0.00
35	Caprolactam	40.000	38.487	3.8	93	-0.02
36 C	4-Chloro-3-methylphenol	40.000	41.668	-4.2	99	0.00
37	2-Methylnaphthalene	40.000	41.357	-3.4	103	0.00
38	1-Methylnaphthalene	40.000	41.099	-2.7	102	0.00
39 I	Acenaphthene-d10	20.000	20.000	0.0	105	0.00
40	1,2,4,5-Tetrachlorobenzene	40.000	39.969	0.1	100	0.00
41 P	Hexachlorocyclopentadiene	40.000	36.818	8.0	90	0.00
42 S	2,4,6-Tribromophenol	80.000	79.732	0.3	95	0.00
43 C	2,4,6-Trichlorophenol	40.000	41.278	-3.2	98	0.00
44	2,4,5-Trichlorophenol	40.000	41.000	-2.5	98	0.00
45 S	2-Fluorobiphenyl	80.000	80.739	-0.9	101	0.00
46	1,1'-Biphenyl	40.000	41.012	-2.5	102	0.00
47	2-Chloronaphthalene	40.000	40.928	-2.3	101	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064583.D
 Acq On : 27 Oct 2025 11:57
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTDCCC040

Quant Time: Oct 27 12:47:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 16:40:26 2025
 Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	34.152	14.6	90	0.00
49	Acenaphthylene	40.000	40.780	-2.0	101	0.00
50	Dimethylphthalate	40.000	40.096	-0.2	98	0.00
51	2,6-Dinitrotoluene	40.000	35.352	11.6	92	0.00
52 C	Acenaphthene	40.000	40.659	-1.6	101	0.00
53	3-Nitroaniline	40.000	40.529	-1.3	95	0.00
54 P	2,4-Dinitrophenol	40.000	37.232	6.9	101	0.00
55	Dibenzofuran	40.000	40.693	-1.7	101	0.00
56 P	4-Nitrophenol	40.000	38.706	3.2	95	0.00
57	2,4-Dinitrotoluene	40.000	34.936	12.7	90	0.00
58	Fluorene	40.000	39.986	0.0	100	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.112	-2.8	98	0.00
60	Diethylphthalate	40.000	39.366	1.6	97	0.00
61	4-Chlorophenyl-phenylether	40.000	39.849	0.4	99	0.00
62	4-Nitroaniline	40.000	41.112	-2.8	96	-0.01
63	Azobenzene	40.000	41.315	-3.3	101	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	104	0.00
65	4,6-Dinitro-2-methylphenol	40.000	37.510	6.2	100	0.00
66 c	n-Nitrosodiphenylamine	40.000	41.867	-4.7	100	0.00
67	4-Bromophenyl-phenylether	40.000	41.720	-4.3	99	0.00
68	Hexachlorobenzene	40.000	41.094	-2.7	98	0.00
69	Atrazine	40.000	37.977	5.1	93	0.00
70 C	Pentachlorophenol	40.000	40.129	-0.3	97	0.00
71	Phenanthrene	40.000	40.740	-1.9	99	0.00
72	Anthracene	40.000	41.035	-2.6	100	0.00
73	Carbazole	40.000	40.561	-1.4	100	0.00
74	Di-n-butylphthalate	40.000	38.911	2.7	92	0.00
75 C	Fluoranthene	40.000	40.019	-0.0	99	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	104	-0.01
77	Benzydine	40.000	59.923	-49.8#	143	0.00
78	Pyrene	40.000	40.568	-1.4	98	0.00
79 S	Terphenyl-d14	80.000	80.733	-0.9	98	0.00
80	Butylbenzylphthalate	40.000	42.388	-6.0	97	0.00
81	Benzo(a)anthracene	40.000	41.414	-3.5	101	0.00
82	3,3'-Dichlorobenzidine	40.000	40.849	-2.1	99	0.00
83	Chrysene	40.000	41.033	-2.6	101	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	42.146	-5.4	97	0.00
85 c	Di-n-octyl phthalate	40.000	41.817	-4.5	100	0.00
86 I	Perylene-d12	20.000	20.000	0.0	105	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	41.398	-3.5	102	-0.03
88	Benzo(b)fluoranthene	40.000	41.242	-3.1	101	0.00
89	Benzo(k)fluoranthene	40.000	42.319	-5.8	106	-0.01
90 C	Benzo(a)pyrene	40.000	41.573	-3.9	103	-0.02
91	Dibenzo(a,h)anthracene	40.000	41.553	-3.9	103	-0.04
92	Benzo(g,h,i)perylene	40.000	41.398	-3.5	102	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064583.D
Acq On : 27 Oct 2025 11:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 27 12:47:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

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

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

(#) = Out of Range

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



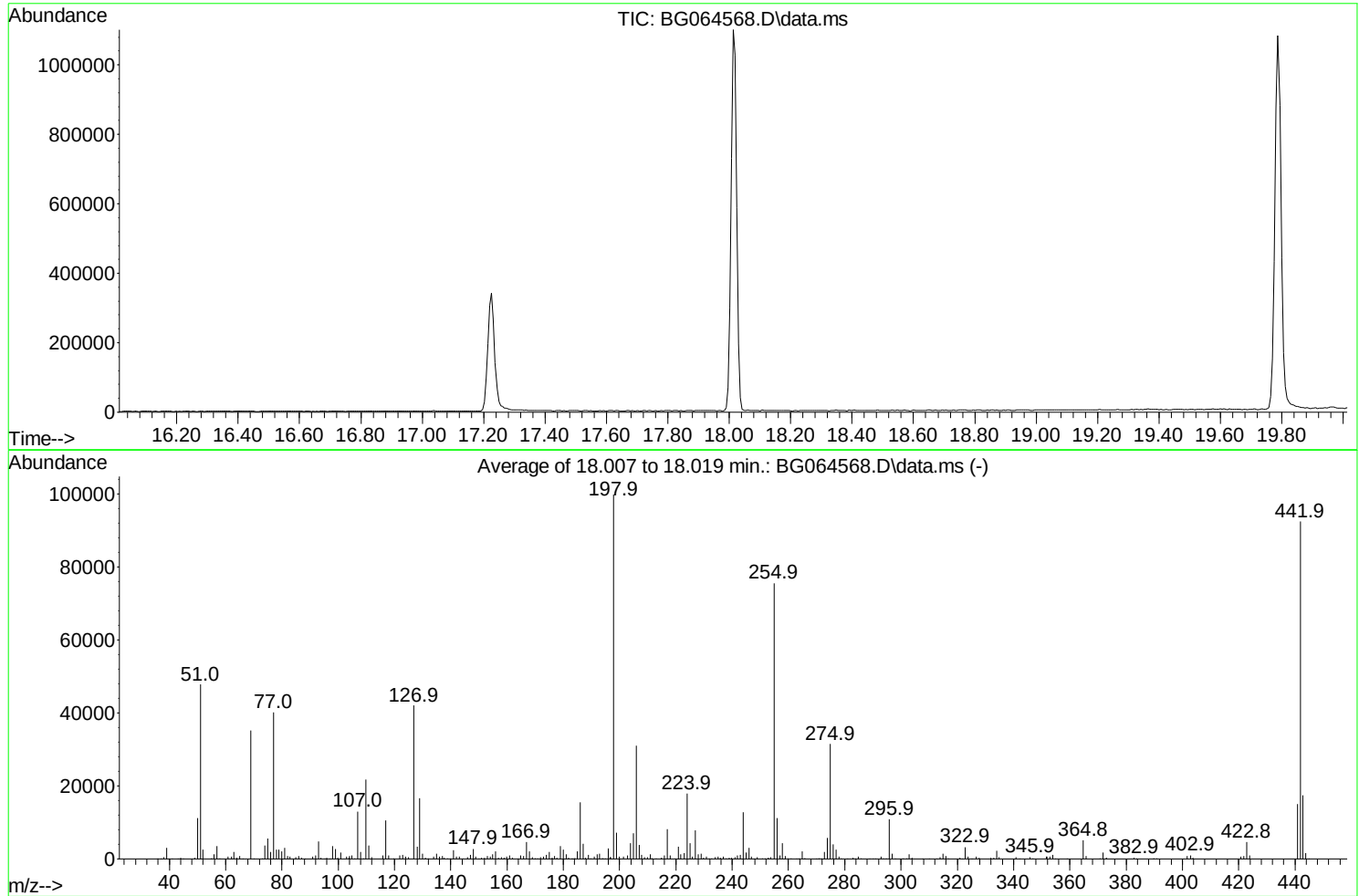
QC SAMPLE DATA

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



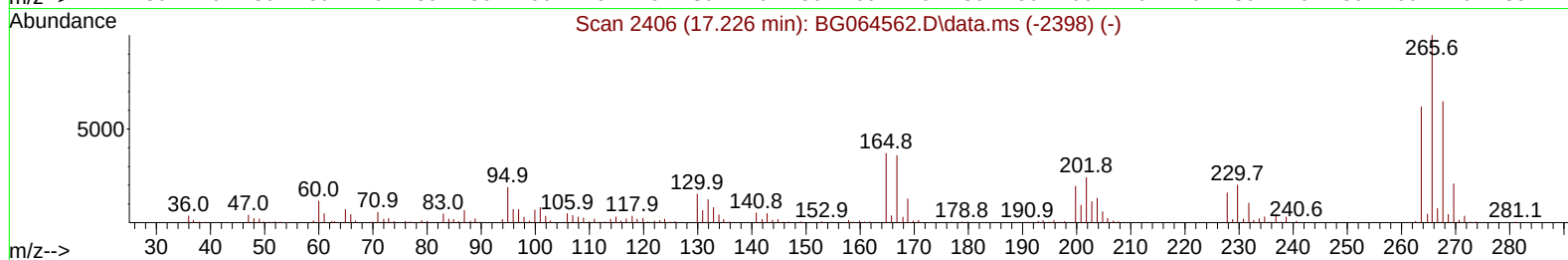
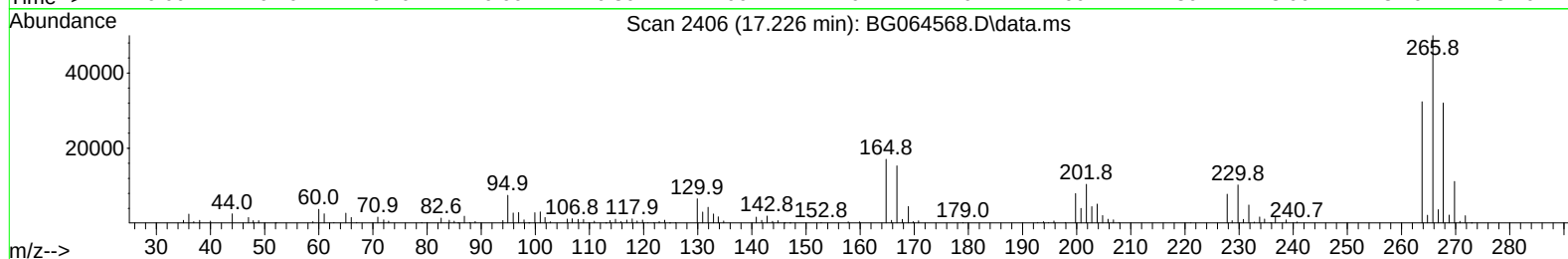
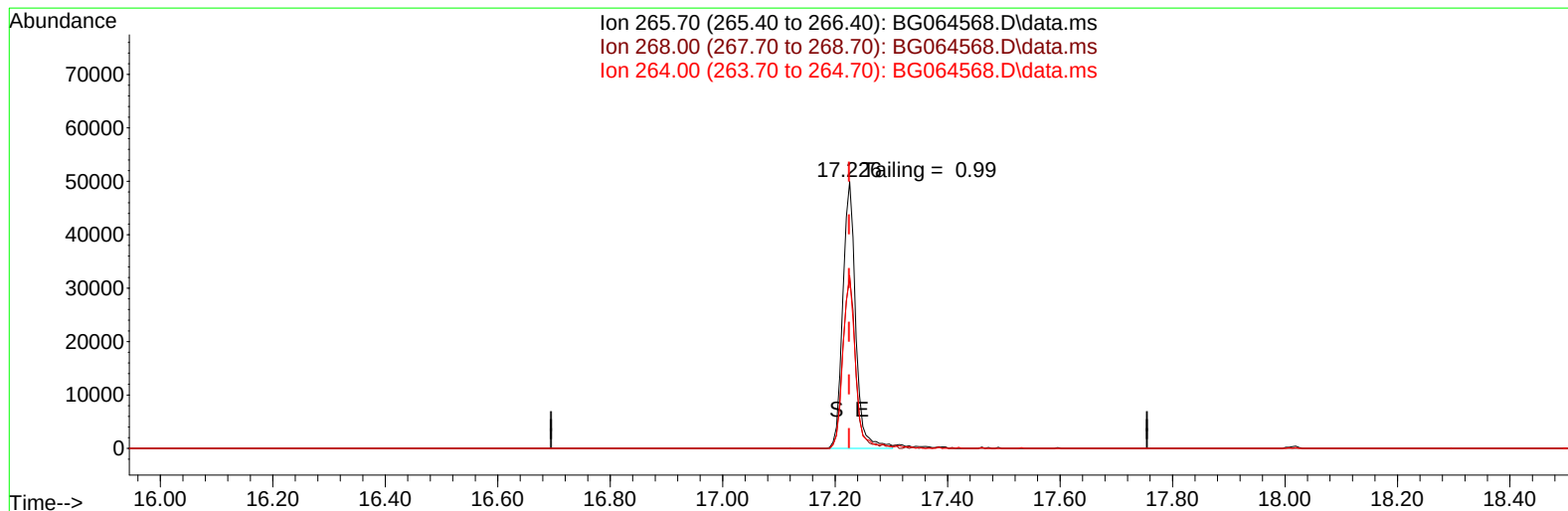
AutoFind: Scans 2539, 2540, 2541; Background Corrected with Scan 2533

Target	Rel. to	Lower	Upper	Rel.	Raw	Result
Mass	Mass	Limit%	Limit%	Abn%	Abn	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

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

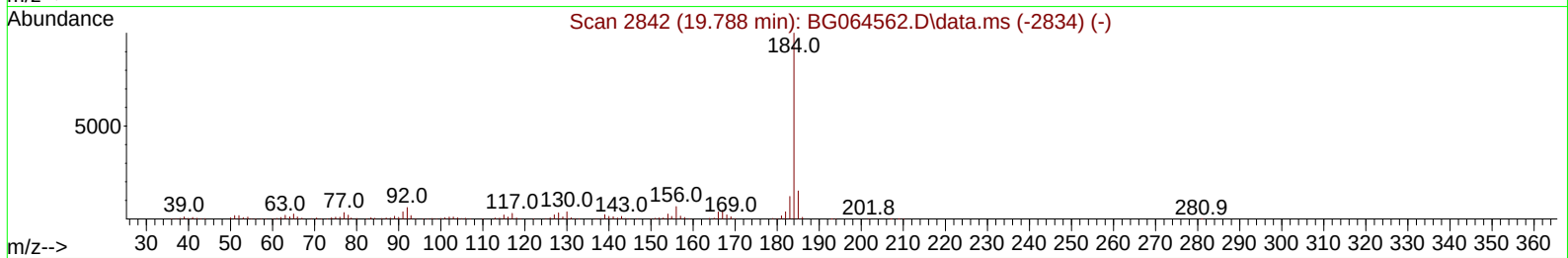
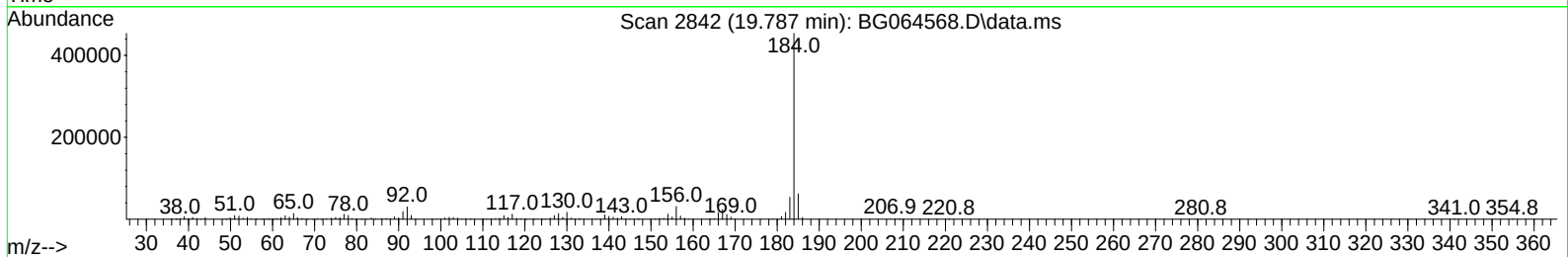
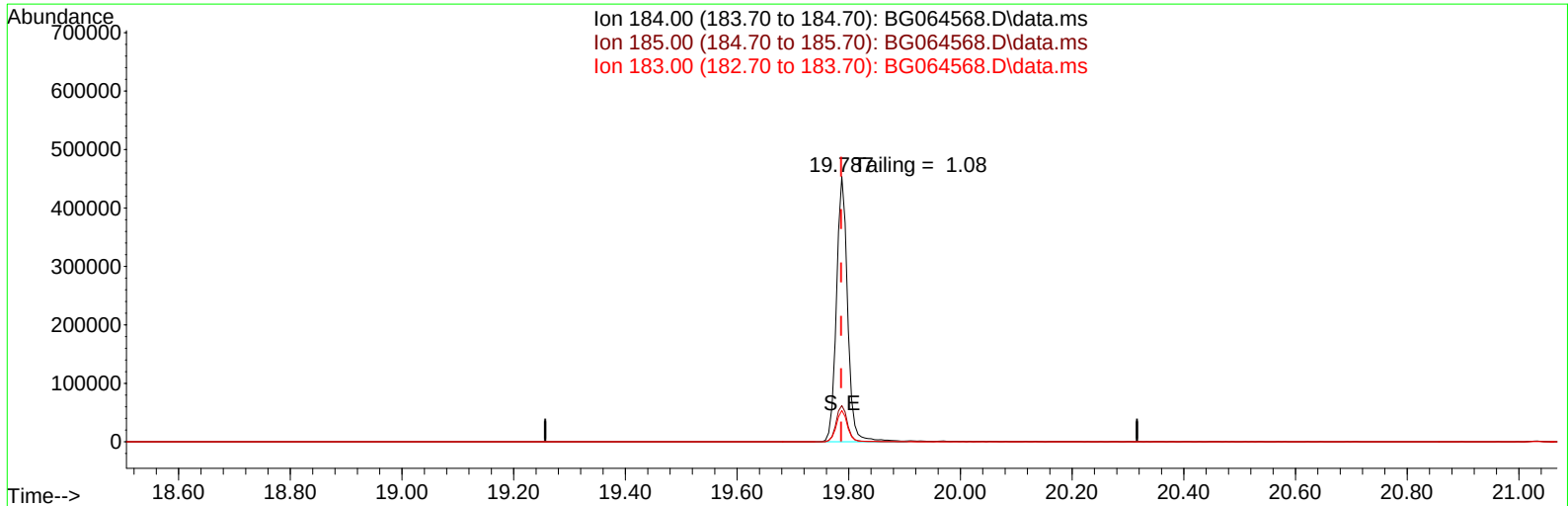
response 79720

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

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

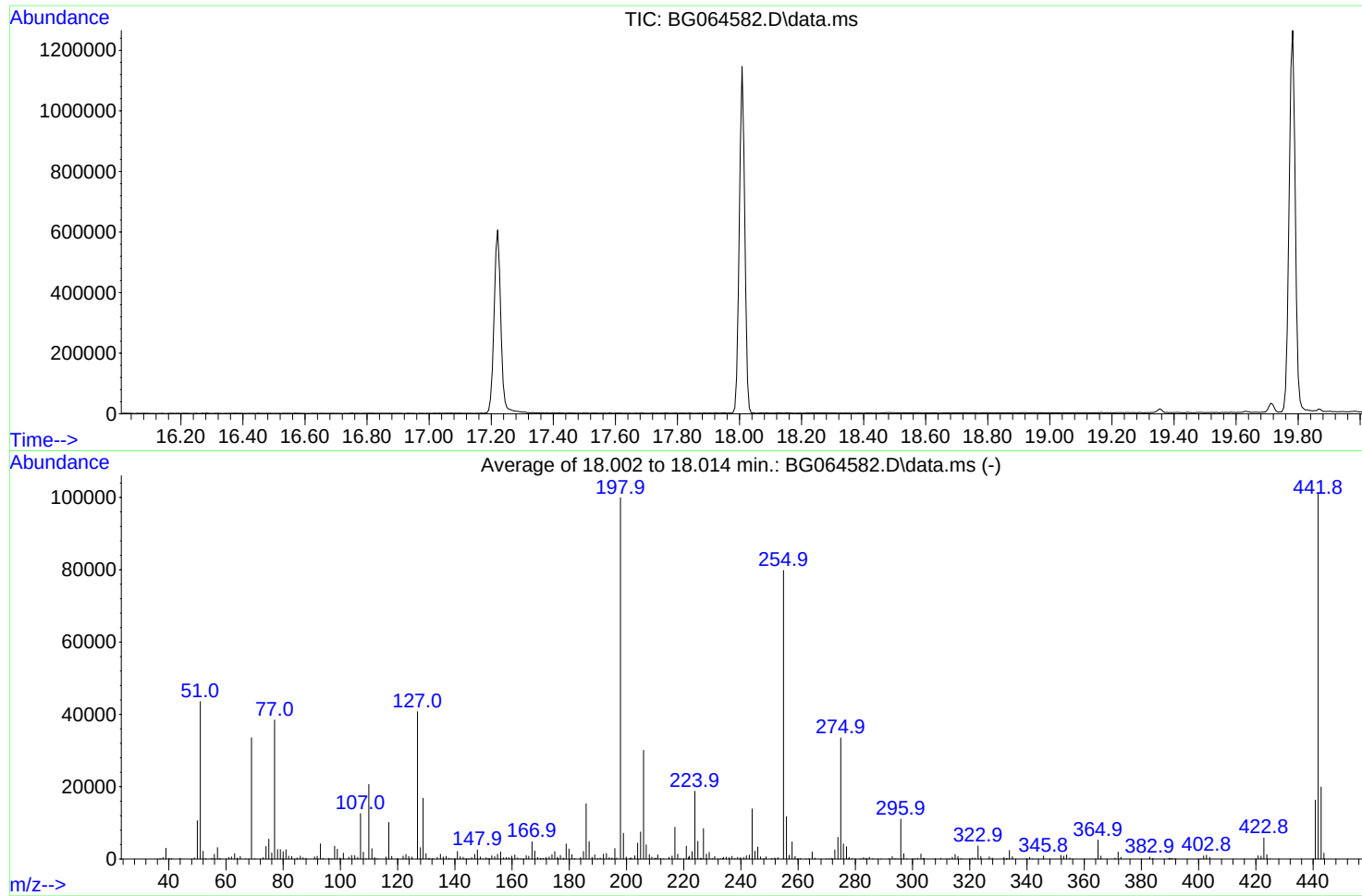
Date	Instrument Name	DFTPP Data File
10/24/2025	BNA_G	<u>BG064568.D</u>
Compound Name	Response	Retention Time
DDT	249894	21.033
DDD	4771	20.586
DDE	827	20.087
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
5598	255492	2.19

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064582.D
Acq On : 27 Oct 2025 11:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Integration File: rteint.p

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



AutoFind: Scans 2538, 2539, 2540; Background Corrected with Scan 2531

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	33541	PASS
70	69	0.00	2	0.2	69	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	99925	PASS
199	198	5	9	7.1	7116	PASS
365	198	1	100	5.2	5240	PASS
441	443	0.01	150	81.8	16292	PASS
442	442	100	100	100.0	100981	PASS
443	442	15	24	19.7	19929	PASS

DDT Breakdown

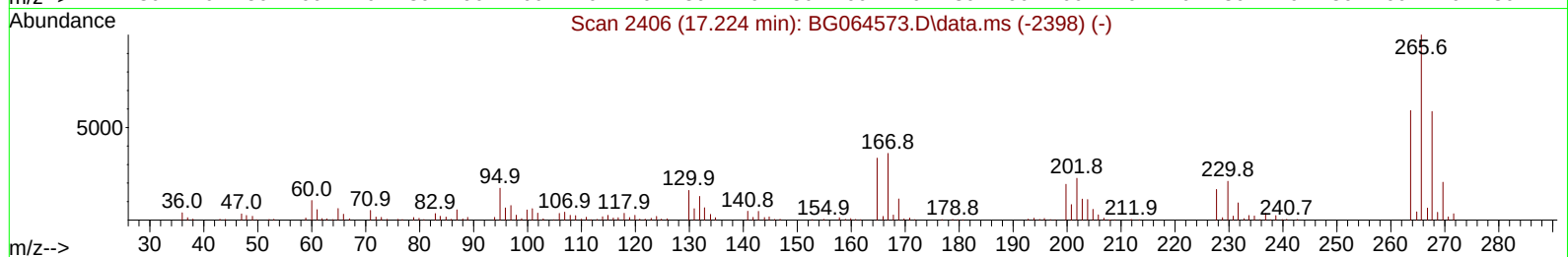
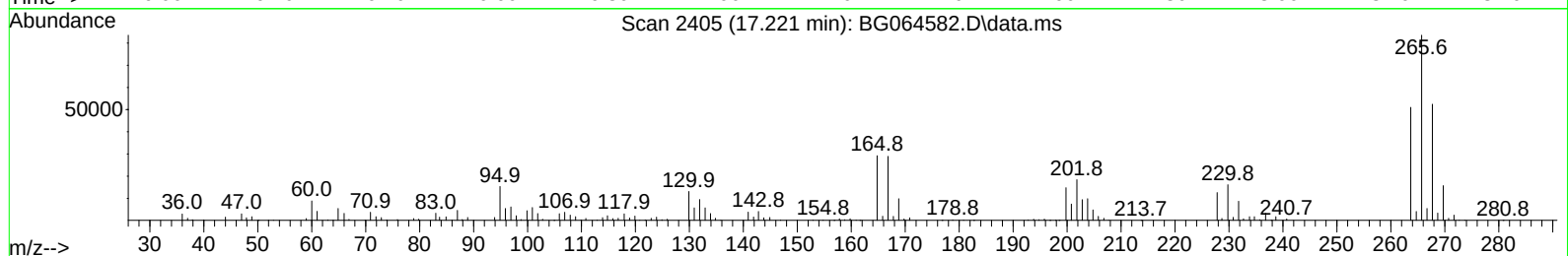
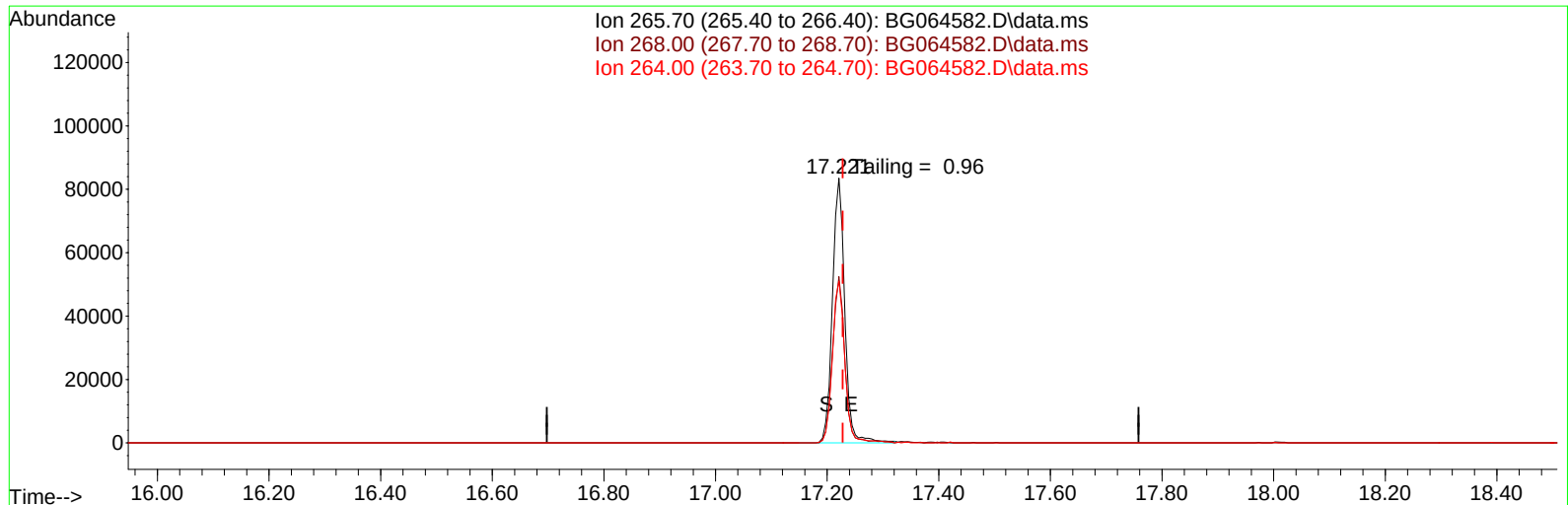
Date	Instrument Name	DFTPP Data File
10/27/2025	BNA_G	<u>BG064582.D</u>
Compound Name	Response	Retention Time
DDT	310182	21.022
DDD	7570	20.576
DDE	57	19.706
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
7627	317809	2.40

Instrument :
BNA_G
ClientSampleId :
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064582.D
Acq On : 27 Oct 2025 11:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 27 11:58:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



TIC: BG064582.D\data.ms

(70) Pentachlorophenol (C)

17.221min (-0.007) 22087.76 ng

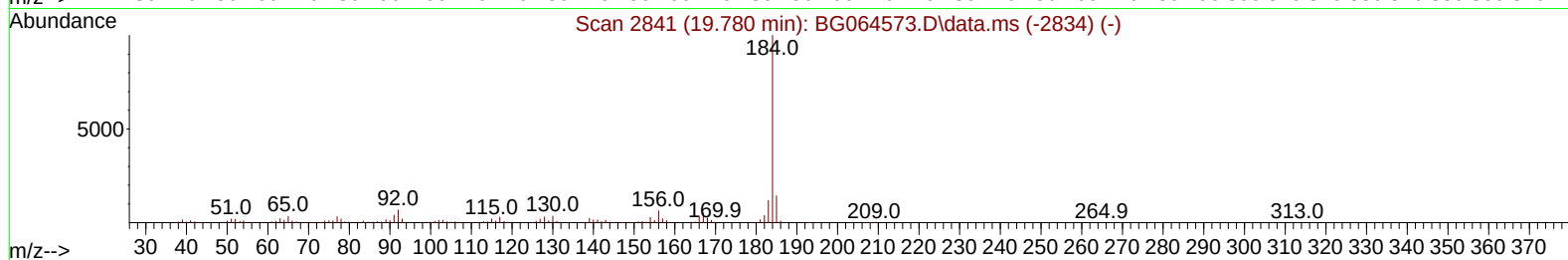
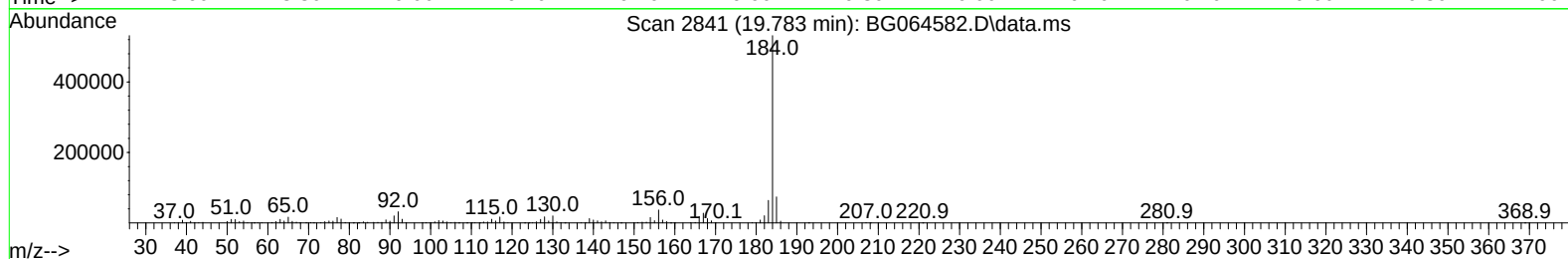
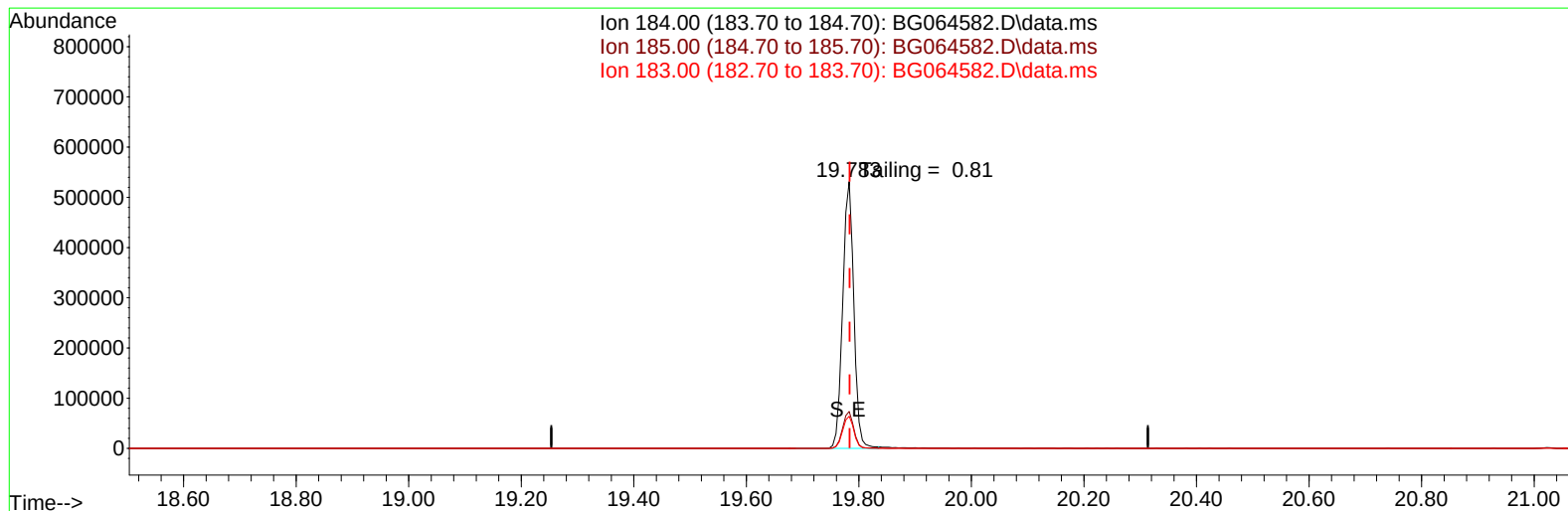
response 128671

Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.90	66.87
264.00	59.10	66.07
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064582.D
Acq On : 27 Oct 2025 11:16
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 27 11:58:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



TIC: BG064582.D\data.ms

(77) Benzidine

19.783min (-0.001) 0.00 ng

response 736001

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	13.87
183.00	11.80	12.04
0.00	0.00	0.00



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

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170222BL
Lab Sample ID: PB170222BL
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : Prep Date: 10/22/25

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	8.00	U	1	3.90	8.00	10.0	ug/L	10/27/25 12:38	PB170222
108-95-2	Phenol	4.00	U	1	0.91	4.00	5.00	ug/L	10/27/25 12:38	PB170222
111-44-4	bis(2-Chloroethyl)ether	4.00	U	1	0.81	4.00	5.00	ug/L	10/27/25 12:38	PB170222
95-57-8	2-Chlorophenol	4.00	U	1	0.58	4.00	5.00	ug/L	10/27/25 12:38	PB170222
95-48-7	2-Methylphenol	4.00	U	1	1.10	4.00	5.00	ug/L	10/27/25 12:38	PB170222
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1	1.30	4.00	5.00	ug/L	10/27/25 12:38	PB170222
98-86-2	Acetophenone	4.00	U	1	0.74	4.00	5.00	ug/L	10/27/25 12:38	PB170222
65794-96-9	3+4-Methylphenols	8.00	U	1	1.10	8.00	10.0	ug/L	10/27/25 12:38	PB170222
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1	1.40	2.50	2.50	ug/L	10/27/25 12:38	PB170222
67-72-1	Hexachloroethane	4.00	U	1	0.65	4.00	5.00	ug/L	10/27/25 12:38	PB170222
98-95-3	Nitrobenzene	4.00	U	1	0.76	4.00	5.00	ug/L	10/27/25 12:38	PB170222
78-59-1	Isophorone	4.00	U	1	0.75	4.00	5.00	ug/L	10/27/25 12:38	PB170222
88-75-5	2-Nitrophenol	4.00	U	1	1.80	4.00	5.00	ug/L	10/27/25 12:38	PB170222
105-67-9	2,4-Dimethylphenol	4.00	U	1	1.90	4.00	5.00	ug/L	10/27/25 12:38	PB170222
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	1	0.68	4.00	5.00	ug/L	10/27/25 12:38	PB170222
120-83-2	2,4-Dichlorophenol	4.00	U	1	0.52	4.00	5.00	ug/L	10/27/25 12:38	PB170222
91-20-3	Naphthalene	4.00	U	1	0.50	4.00	5.00	ug/L	10/27/25 12:38	PB170222
106-47-8	4-Chloroaniline	4.00	U	1	0.84	4.00	5.00	ug/L	10/27/25 12:38	PB170222
87-68-3	Hexachlorobutadiene	4.00	U	1	0.54	4.00	5.00	ug/L	10/27/25 12:38	PB170222
105-60-2	Caprolactam	8.00	U	1	1.10	8.00	10.0	ug/L	10/27/25 12:38	PB170222
59-50-7	4-Chloro-3-methylphenol	4.00	U	1	0.59	4.00	5.00	ug/L	10/27/25 12:38	PB170222
91-57-6	2-Methylnaphthalene	4.00	U	1	0.56	4.00	5.00	ug/L	10/27/25 12:38	PB170222
77-47-4	Hexachlorocyclopentadiene	8.00	U	1	3.60	8.00	10.0	ug/L	10/27/25 12:38	PB170222
88-06-2	2,4,6-Trichlorophenol	4.00	U	1	0.51	4.00	5.00	ug/L	10/27/25 12:38	PB170222
95-95-4	2,4,5-Trichlorophenol	4.00	U	1	0.62	4.00	5.00	ug/L	10/27/25 12:38	PB170222
92-52-4	1,1-Biphenyl	4.00	U	1	0.53	4.00	5.00	ug/L	10/27/25 12:38	PB170222
91-58-7	2-Chloronaphthalene	4.00	U	1	0.61	4.00	5.00	ug/L	10/27/25 12:38	PB170222
88-74-4	2-Nitroaniline	4.00	U	1	1.30	4.00	5.00	ug/L	10/27/25 12:38	PB170222
131-11-3	Dimethylphthalate	4.00	U	1	0.61	4.00	5.00	ug/L	10/27/25 12:38	PB170222
208-96-8	Acenaphthylene	4.00	U	1	0.75	4.00	5.00	ug/L	10/27/25 12:38	PB170222
606-20-2	2,6-Dinitrotoluene	4.00	U	1	0.92	4.00	5.00	ug/L	10/27/25 12:38	PB170222
99-09-2	3-Nitroaniline	4.00	U	1	1.10	4.00	5.00	ug/L	10/27/25 12:38	PB170222
83-32-9	Acenaphthene	4.00	U	1	0.55	4.00	5.00	ug/L	10/27/25 12:38	PB170222
51-28-5	2,4-Dinitrophenol	8.00	U	1	6.00	8.00	10.0	ug/L	10/27/25 12:38	PB170222
100-02-7	4-Nitrophenol	8.00	U	1	2.40	8.00	10.0	ug/L	10/27/25 12:38	PB170222
132-64-9	Dibenzofuran	4.00	U	1	0.61	4.00	5.00	ug/L	10/27/25 12:38	PB170222
121-14-2	2,4-Dinitrotoluene	4.00	U	1	1.20	4.00	5.00	ug/L	10/27/25 12:38	PB170222
84-66-2	Diethylphthalate	4.00	U	1	0.69	4.00	5.00	ug/L	10/27/25 12:38	PB170222
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	1	0.68	4.00	5.00	ug/L	10/27/25 12:38	PB170222
86-73-7	Fluorene	4.00	U	1	0.63	4.00	5.00	ug/L	10/27/25 12:38	PB170222
100-01-6	4-Nitroaniline	4.00	U	1	1.50	4.00	5.00	ug/L	10/27/25 12:38	PB170222
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	1	2.90	8.00	10.0	ug/L	10/27/25 12:38	PB170222



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

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170222BL
Lab Sample ID: PB170222BL
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : Prep Date: 10/22/25

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	4.00	U	1	0.58	4.00	5.00	ug/L	10/27/25 12:38	PB170222
101-55-3	4-Bromophenyl-phenylether	4.00	U	1	0.40	4.00	5.00	ug/L	10/27/25 12:38	PB170222
118-74-1	Hexachlorobenzene	4.00	U	1	0.52	4.00	5.00	ug/L	10/27/25 12:38	PB170222
1912-24-9	Atrazine	4.00	U	1	1.00	4.00	5.00	ug/L	10/27/25 12:38	PB170222
87-86-5	Pentachlorophenol	8.00	U	1	1.60	8.00	10.0	ug/L	10/27/25 12:38	PB170222
85-01-8	Phenanthrene	4.00	U	1	0.50	4.00	5.00	ug/L	10/27/25 12:38	PB170222
120-12-7	Anthracene	4.00	U	1	0.61	4.00	5.00	ug/L	10/27/25 12:38	PB170222
86-74-8	Carbazole	4.00	U	1	0.72	4.00	5.00	ug/L	10/27/25 12:38	PB170222
84-74-2	Di-n-butylphthalate	4.00	U	1	1.20	4.00	5.00	ug/L	10/27/25 12:38	PB170222
206-44-0	Fluoranthene	4.00	U	1	0.82	4.00	5.00	ug/L	10/27/25 12:38	PB170222
129-00-0	Pyrene	4.00	U	1	0.50	4.00	5.00	ug/L	10/27/25 12:38	PB170222
85-68-7	Butylbenzylphthalate	4.00	U	1	1.90	4.00	5.00	ug/L	10/27/25 12:38	PB170222
91-94-1	3,3-Dichlorobenzidine	8.00	U	1	0.93	8.00	10.0	ug/L	10/27/25 12:38	PB170222
56-55-3	Benzo(a)anthracene	4.00	U	1	0.45	4.00	5.00	ug/L	10/27/25 12:38	PB170222
218-01-9	Chrysene	4.00	U	1	0.44	4.00	5.00	ug/L	10/27/25 12:38	PB170222
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1	1.60	4.00	5.00	ug/L	10/27/25 12:38	PB170222
117-84-0	Di-n-octyl phthalate	8.00	U	1	2.30	8.00	10.0	ug/L	10/27/25 12:38	PB170222
205-99-2	Benzo(b)fluoranthene	4.00	U	1	0.49	4.00	5.00	ug/L	10/27/25 12:38	PB170222
207-08-9	Benzo(k)fluoranthene	4.00	U	1	0.48	4.00	5.00	ug/L	10/27/25 12:38	PB170222
50-32-8	Benzo(a)pyrene	4.00	U	1	0.55	4.00	5.00	ug/L	10/27/25 12:38	PB170222
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	1	0.59	4.00	5.00	ug/L	10/27/25 12:38	PB170222
53-70-3	Dibenzo(a,h)anthracene	4.00	U	1	0.67	4.00	5.00	ug/L	10/27/25 12:38	PB170222
191-24-2	Benzo(g,h,i)perylene	4.00	U	1	0.69	4.00	5.00	ug/L	10/27/25 12:38	PB170222
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	1	0.52	4.00	5.00	ug/L	10/27/25 12:38	PB170222
123-91-1	1,4-Dioxane	4.00	U	1	1.00	4.00	5.00	ug/L	10/27/25 12:38	PB170222
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	1	0.72	4.00	5.00	ug/L	10/27/25 12:38	PB170222

SURROGATES

367-12-4	2-Fluorophenol	162		19 - 119	108%	SPK: 150
13127-88-3	Phenol-d6	157		10 - 130	105%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.1		44 - 120	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	93.5		44 - 119	94%	SPK: 100
118-79-6	2,4,6-Tribromophenol	143		43 - 140	95%	SPK: 150
1718-51-0	Terphenyl-d14	94.1		50 - 134	94%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	45300
1146-65-2	Naphthalene-d8	169000
15067-26-2	Acenaphthene-d10	134000
1517-22-2	Phenanthrene-d10	335000
1719-03-5	Chrysene-d12	371000
1520-96-3	Perylene-d12	392000

TENTATIVE IDENTIFIED COMPOUNDS

006311-48-4	(1,1-Biphenyl)-4,4-diamine, N,N	6.80	J		32.6	ug/L



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

Report of Analysis

Client:	ICE Service Group, Inc.		Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY		Date Received:	
Client Sample ID:	PB170222BL		SDG No.:	Q3400
Lab Sample ID:	PB170222BL		Matrix:	Water
Analytical Method:	8270E	Level : LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :		Prep Date: 10/22/25		

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064584.D
Acq On : 27 Oct 2025 12:38
Operator : RC/JU
Sample : PB170222BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170222BL

Quant Time: Oct 27 13:33:46 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	45325	20.000	ng	0.00
21) Naphthalene-d8	11.044	136	169145	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	133935	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	334609	20.000	ng	0.00
76) Chrysene-d12	21.849	240	371267	20.000	ng	-0.01
86) Perylene-d12	25.192	264	392267	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	437299	161.942	ng	0.00
7) Phenol-d6	7.354	99	582305	157.149	ng	0.00
23) Nitrobenzene-d5	9.381	82	270575	96.080	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	275526	142.532	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	826204	93.502	ng	0.00
79) Terphenyl-d14	20.168	244	1851252	94.100	ng	0.00

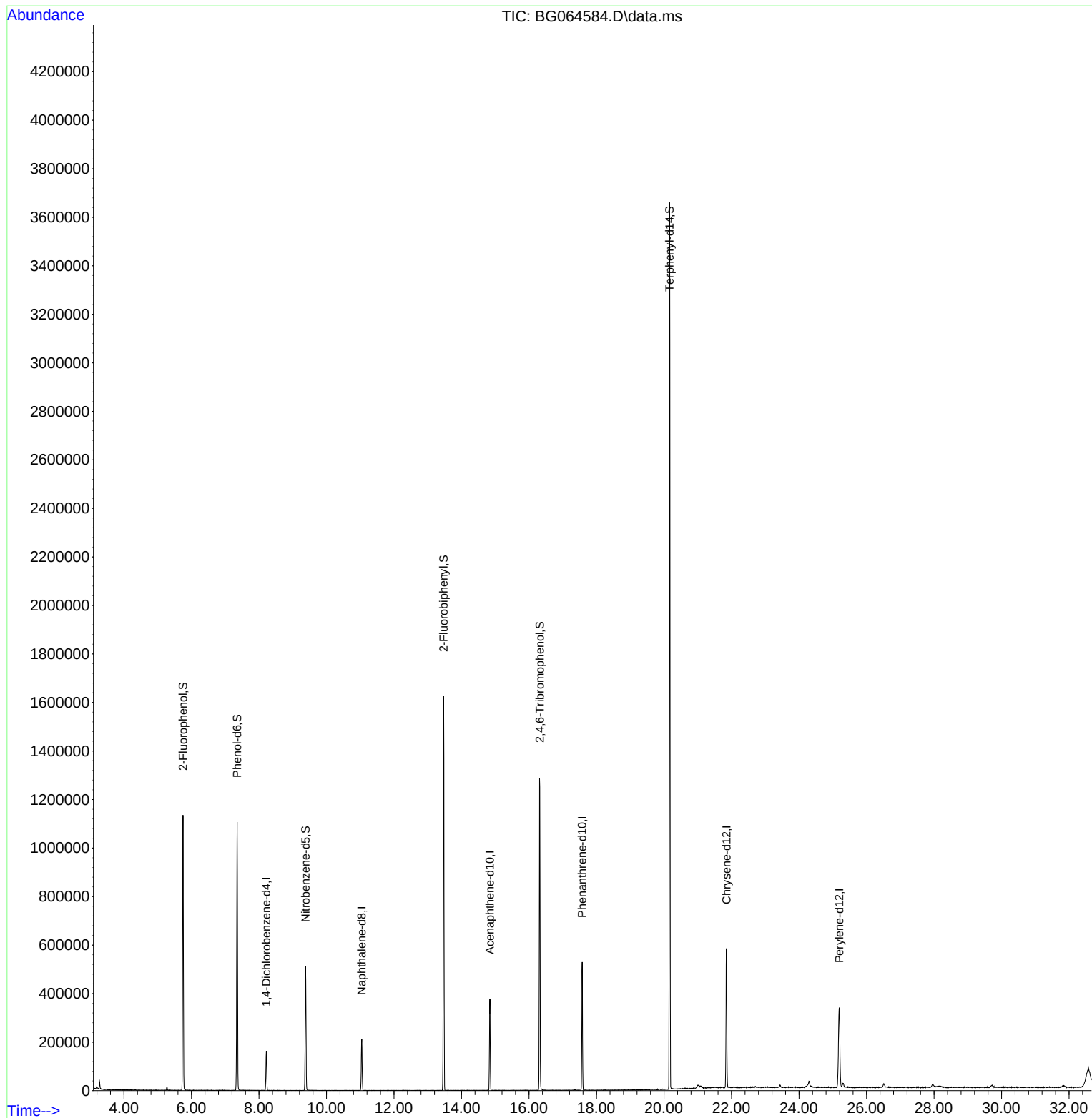
Target Compounds	Qvalue

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

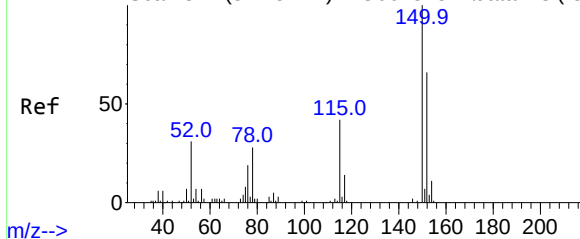
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Data File : BG064584.D
Acq On : 27 Oct 2025 12:38
Operator : RC/JU
Sample : PB170222BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170222BL

Quant Time: Oct 27 13:33:46 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

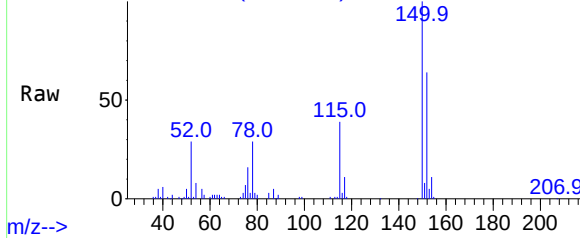


Abundance Scan 874 (8.223 min): BG064573.D\data.ms (-86



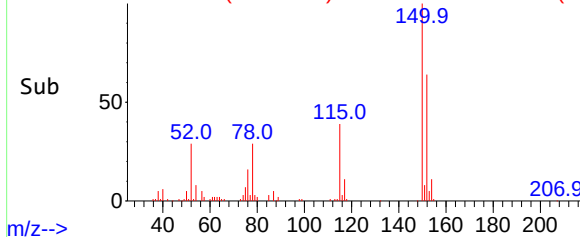
m/z-->

Abundance Scan 873 (8.218 min): BG064584.D\data.ms



m/z-->

Abundance Scan 873 (8.218 min): BG064584.D\data.ms (-85



m/z-->

#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.218 min Scan# 81

Delta R.T. -0.003 min

Lab File: BG064584.D

Acq: 27 Oct 2025 12:38

Instrument :

BNA_G

ClientSampleId :

PB170222BL

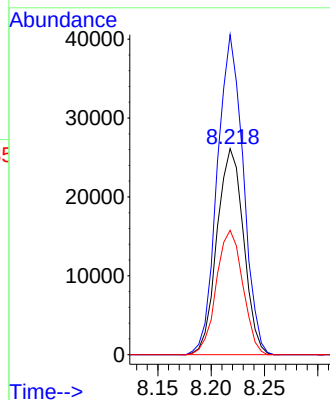
Tgt Ion:152 Resp: 45325

Ion Ratio Lower Upper

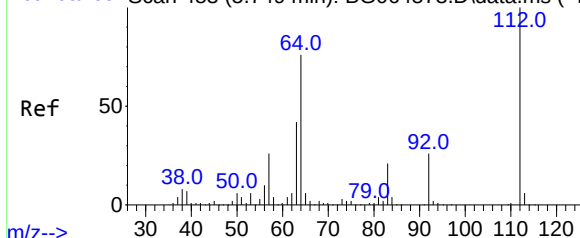
152 100

150 155.2 122.2 183.4

115 60.3 50.8 76.2

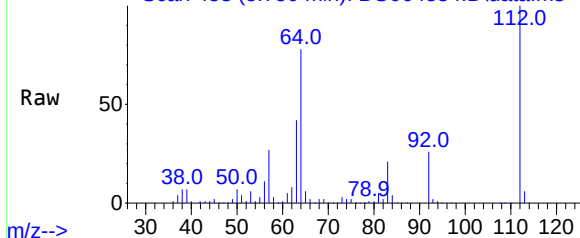


Abundance Scan 453 (5.749 min): BG064573.D\data.ms (-44



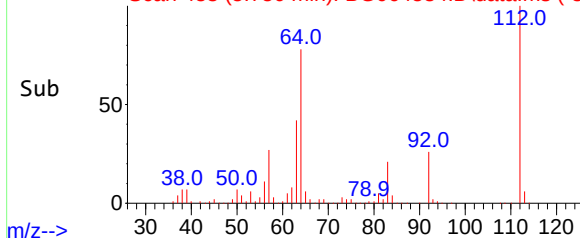
m/z-->

Abundance Scan 453 (5.750 min): BG064584.D\data.ms



m/z-->

Abundance Scan 453 (5.750 min): BG064584.D\data.ms (-36



m/z-->

#5

2-Fluorophenol

Concen: 161.942 ng

RT: 5.750 min Scan# 453

Delta R.T. 0.003 min

Lab File: BG064584.D

Acq: 27 Oct 2025 12:38

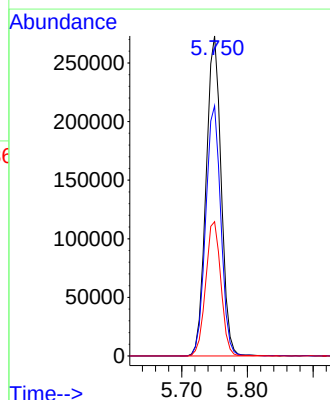
Tgt Ion:112 Resp: 437299

Ion Ratio Lower Upper

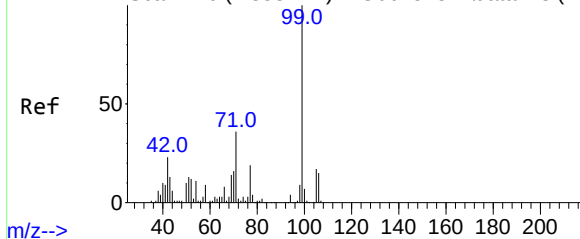
112 100

64 78.2 60.7 91.1

63 42.0 33.4 50.0



Abundance Scan 726 (7.353 min): BG064573.D\data.ms (-71



#7

Phenol-d6

Concen: 157.149 ng

RT: 7.354 min Scan# 71

Delta R.T. -0.003 min

Lab File: BG064584.D

Acq: 27 Oct 2025 12:38

Instrument :

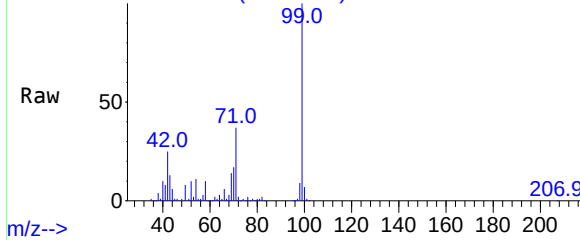
BNA_G

ClientSampleId :

PB170222BL

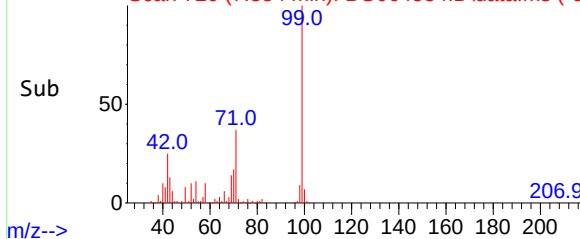
m/z-->

Abundance Scan 726 (7.354 min): BG064584.D\data.ms



m/z-->

Abundance Scan 726 (7.354 min): BG064584.D\data.ms (-63



m/z-->

Tgt Ion: 99 Resp: 582305

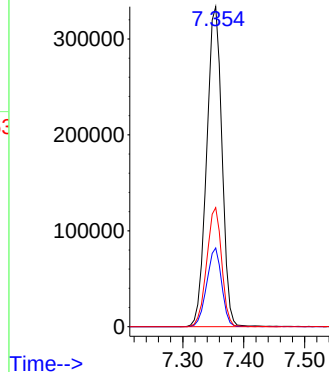
Ion Ratio Lower Upper

99 100

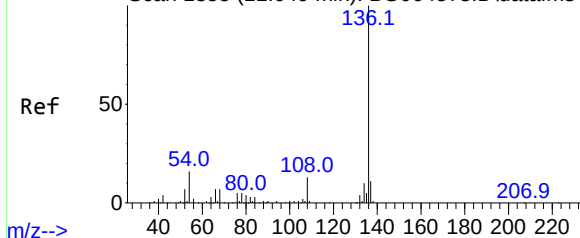
42 24.6 18.3 27.5

71 37.2 28.6 43.0

Abundance

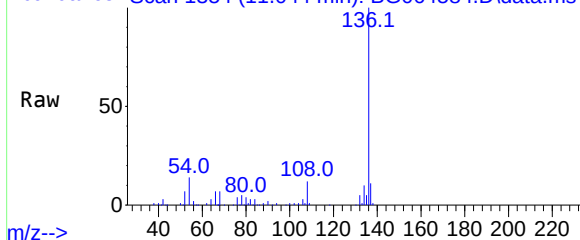


Abundance Scan 1355 (11.049 min): BG064573.D\data.ms (-



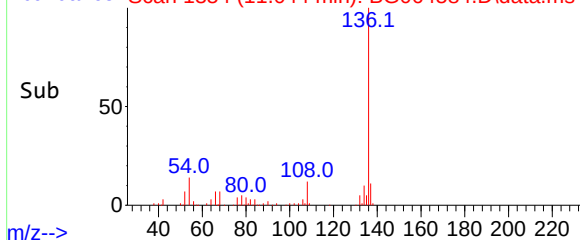
m/z-->

Abundance Scan 1354 (11.044 min): BG064584.D\data.ms



m/z-->

Abundance Scan 1354 (11.044 min): BG064584.D\data.ms (-



m/z-->

#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.044 min Scan# 1354

Delta R.T. -0.009 min

Lab File: BG064584.D

Acq: 27 Oct 2025 12:38

Tgt Ion:136 Resp: 169145

Ion Ratio Lower Upper

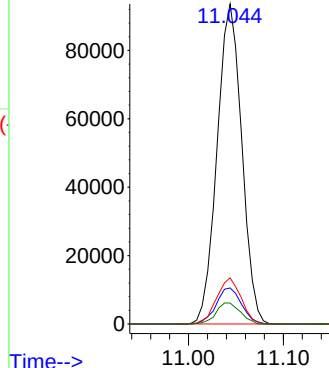
136 100

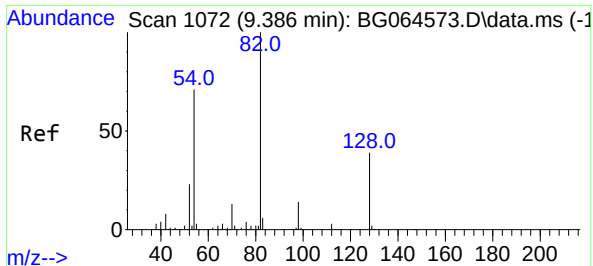
137 11.2 9.2 13.8

54 14.4 12.6 19.0

68 6.5 5.7 8.5

Abundance





#23

Nitrobenzene-d5

Concen: 96.080 ng

RT: 9.381 min Scan# 10

Delta R.T. -0.009 min

Lab File: BG064584.D

Acq: 27 Oct 2025 12:38

Instrument :

BNA_G

ClientSampleId :

PB170222BL

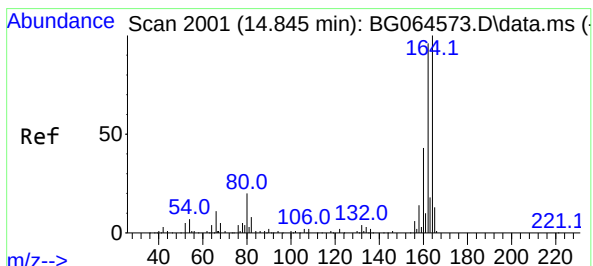
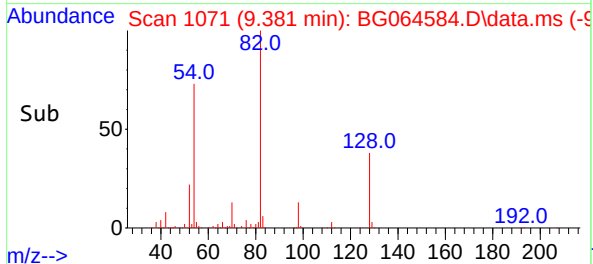
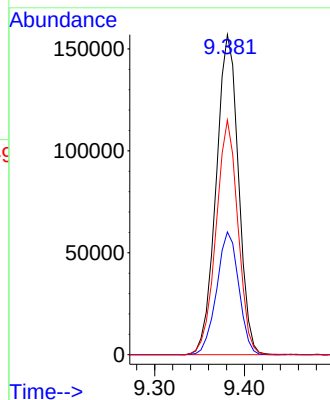
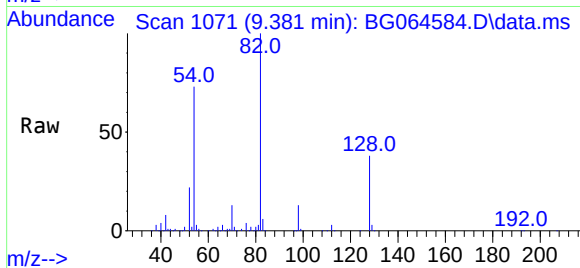
Tgt Ion: 82 Resp: 270575

Ion Ratio Lower Upper

82 100

128 38.3 31.3 46.9

54 73.3 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: BG064584.D

Acq: 27 Oct 2025 12:38

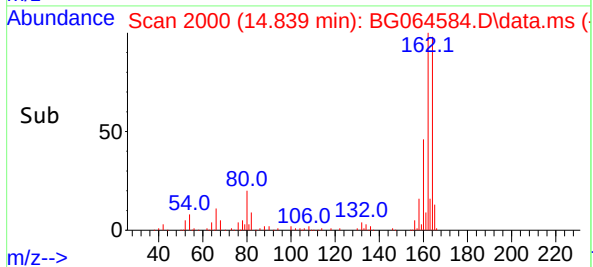
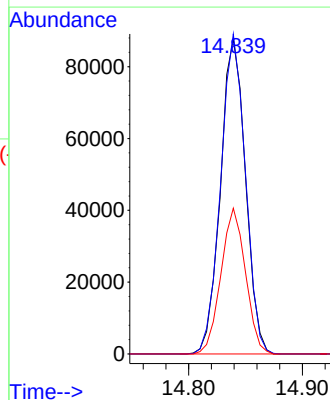
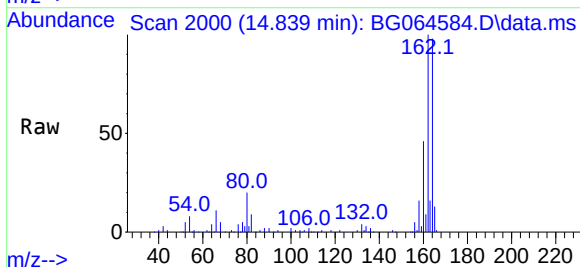
Tgt Ion: 164 Resp: 133935

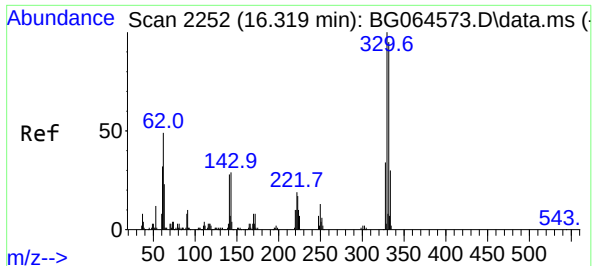
Ion Ratio Lower Upper

164 100

162 101.6 77.0 115.6

160 46.3 34.4 51.6

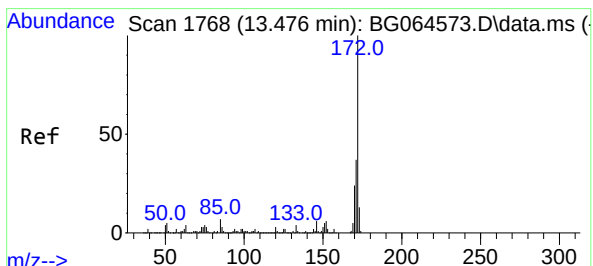
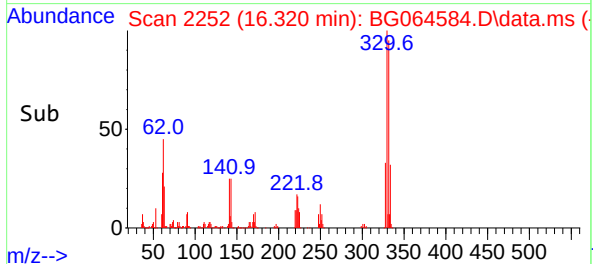
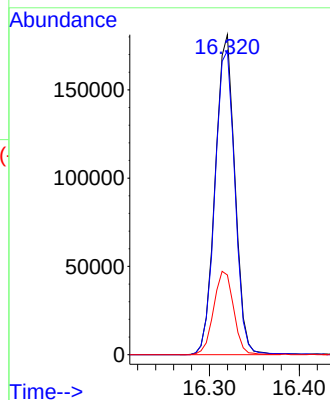
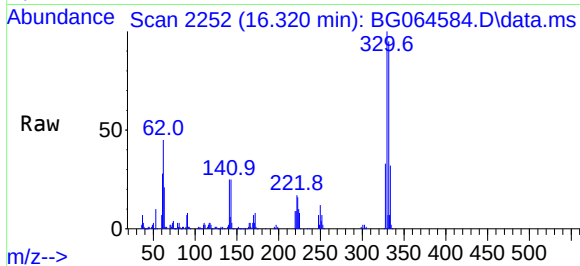




#42
2,4,6-Tribromophenol
Concen: 142.532 ng
RT: 16.320 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

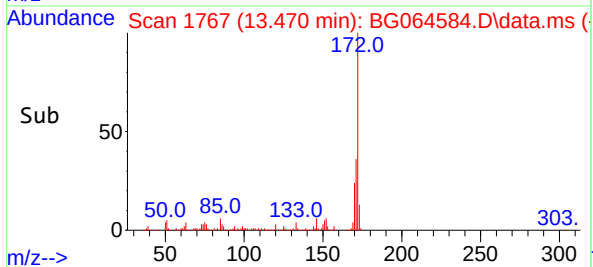
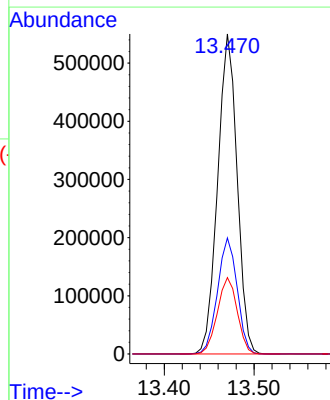
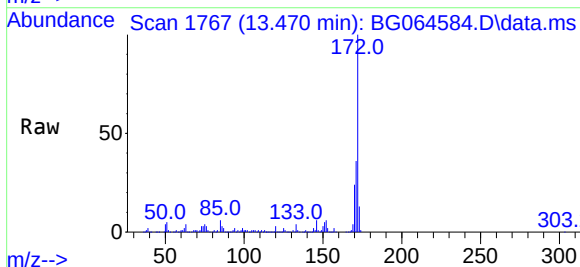
Instrument :
BNA_G
ClientSampleId :
PB170222BL

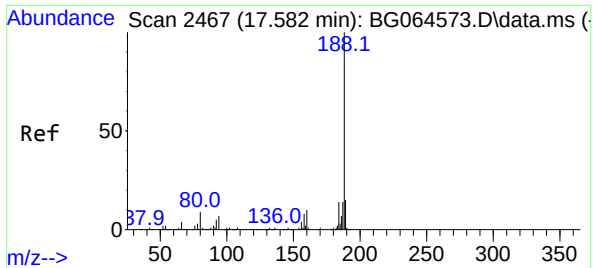
Tgt Ion:330 Resp: 275526
Ion Ratio Lower Upper
330 100
332 96.9 78.0 117.0
141 26.4 21.8 32.6



#45
2-Fluorobiphenyl
Concen: 93.502 ng
RT: 13.470 min Scan# 1767
Delta R.T. -0.009 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

Tgt Ion:172 Resp: 826204
Ion Ratio Lower Upper
172 100
171 36.2 29.4 44.0
170 23.9 19.1 28.7

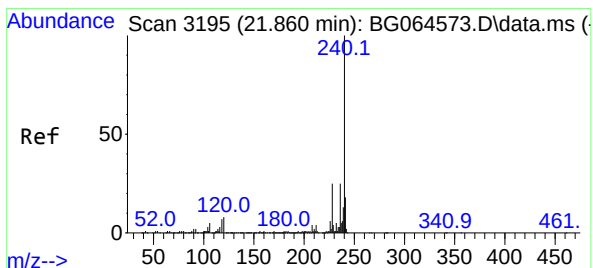
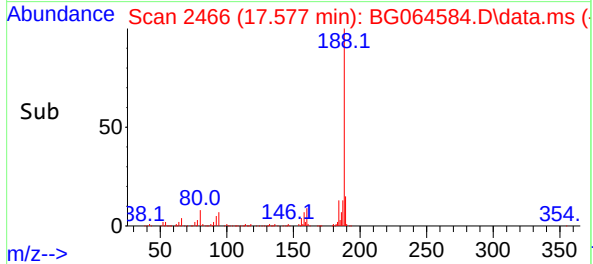
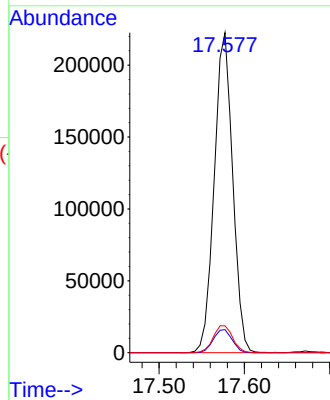
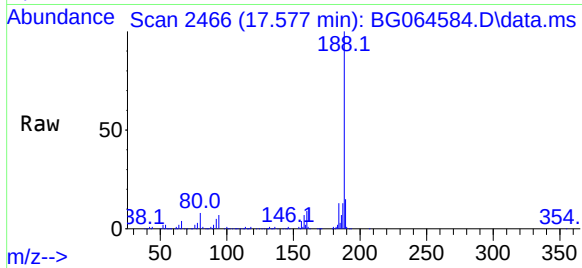




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

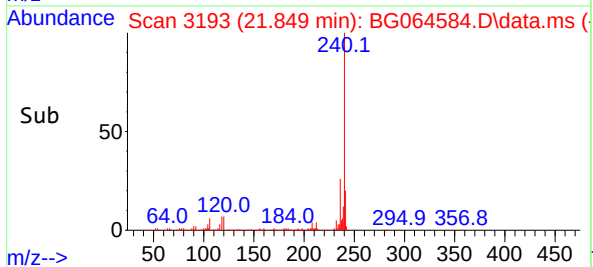
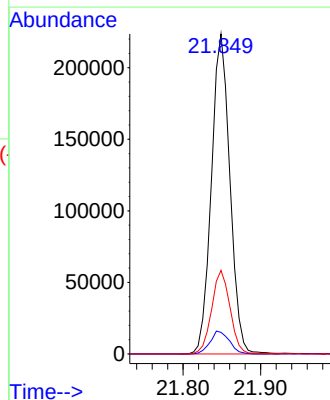
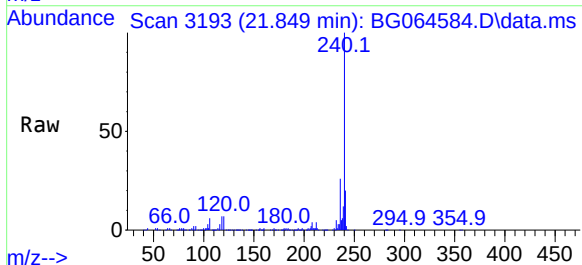
Instrument :
BNA_G
ClientSampleId :
PB170222BL

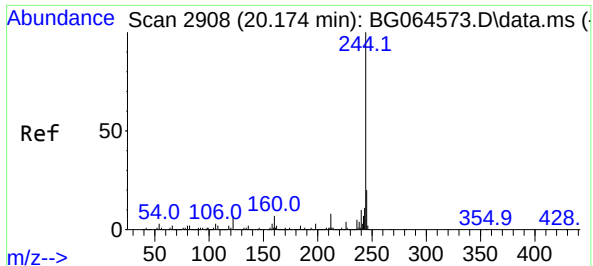
Tgt Ion:188 Resp: 334609
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 8.4 6.8 10.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.849 min Scan# 3193
Delta R.T. -0.015 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

Tgt Ion:240 Resp: 371267
Ion Ratio Lower Upper
240 100
120 6.7 6.5 9.7
236 26.1 20.2 30.2

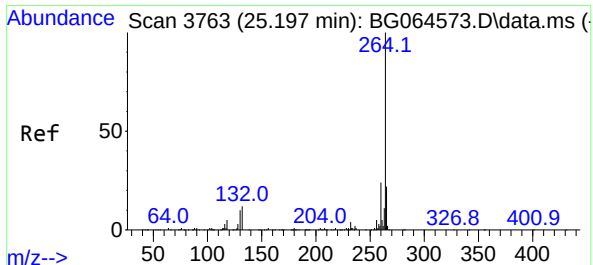
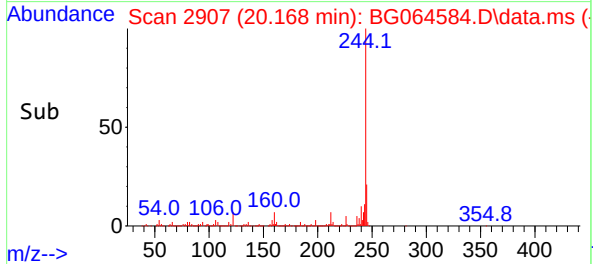
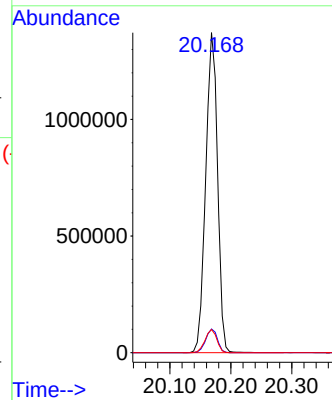
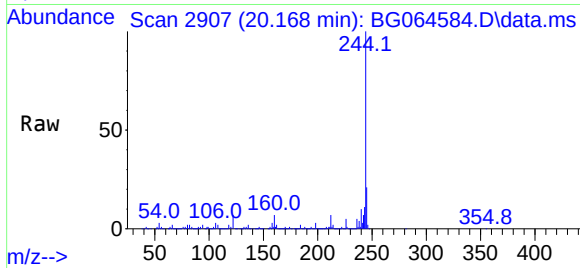




#79
Terphenyl-d14
Concen: 94.100 ng
RT: 20.168 min Scan# 2907
Delta R.T. -0.009 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

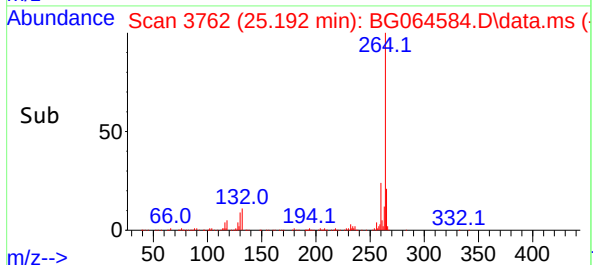
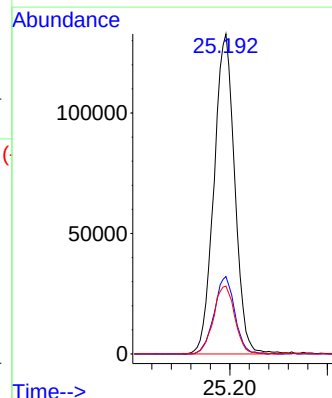
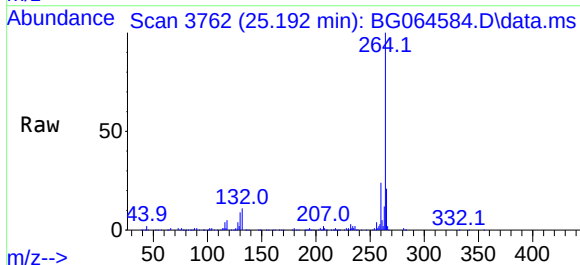
Instrument :
BNA_G
ClientSampleId :
PB170222BL

Tgt Ion:244 Resp: 1851252
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 7.2 5.6 8.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.192 min Scan# 3762
Delta R.T. -0.009 min
Lab File: BG064584.D
Acq: 27 Oct 2025 12:38

Tgt Ion:264 Resp: 392267
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.4
265 21.2 17.6 26.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064584.D
Acq On : 27 Oct 2025 12:38
Operator : RC/JU
Sample : PB170222BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170222BL

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

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

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

Signal : TIC: BG064584.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.750	445	453	465	rBV	1134226	1815292	37.39%	9.972%
2	7.354	717	726	737	rBV	1105444	1901122	39.16%	10.443%
3	8.218	865	873	880	rBV	162433	278570	5.74%	1.530%
4	9.381	1063	1071	1081	rBV	510770	891402	18.36%	4.897%
5	11.044	1346	1354	1363	rVB	211075	378025	7.79%	2.077%
6	13.470	1760	1767	1774	rBV	1623657	2458133	50.63%	13.503%
7	14.839	1993	2000	2007	rVB2	377144	573502	11.81%	3.150%
8	16.314	2244	2251	2267	rBV	1286616	2000895	41.21%	10.991%
9	17.577	2458	2466	2473	rBV	527746	803468	16.55%	4.414%
10	20.168	2901	2907	2915	rBV	3654171	4855033	100.00%	26.669%
11	21.849	3185	3193	3200	rBV2	573802	952329	19.62%	5.231%
12	25.192	3750	3762	3772	rBV	328064	967287	19.92%	5.313%
13	32.566	4991	5017	5018	rBV2	68727	329447	6.79%	1.810%

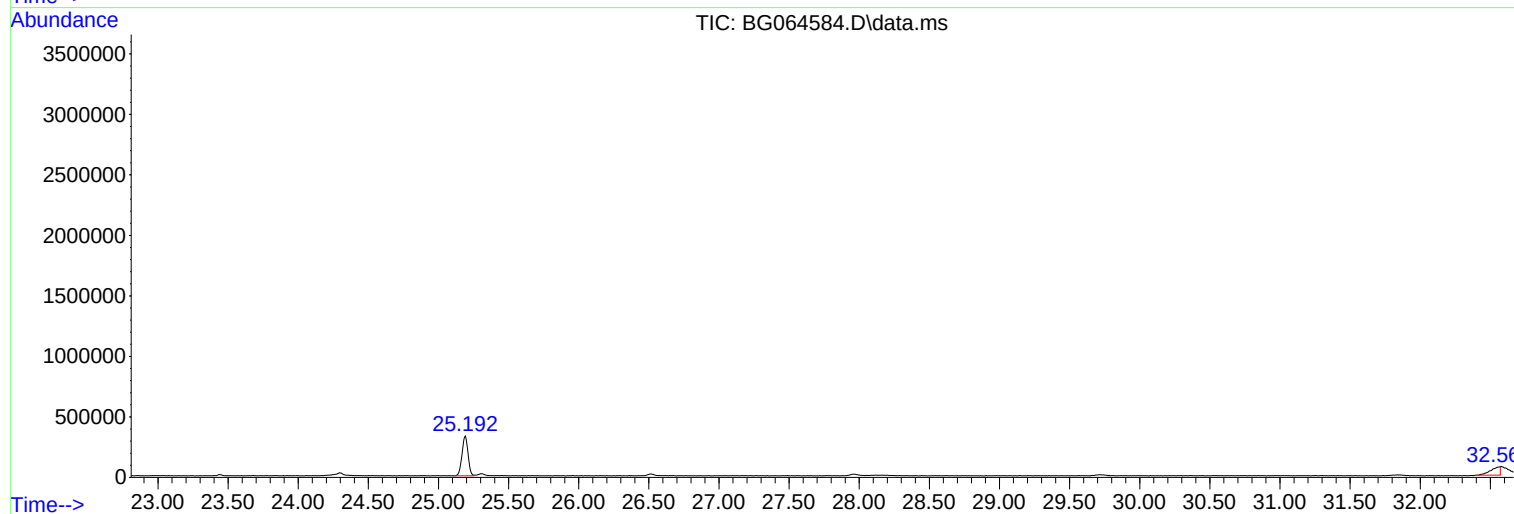
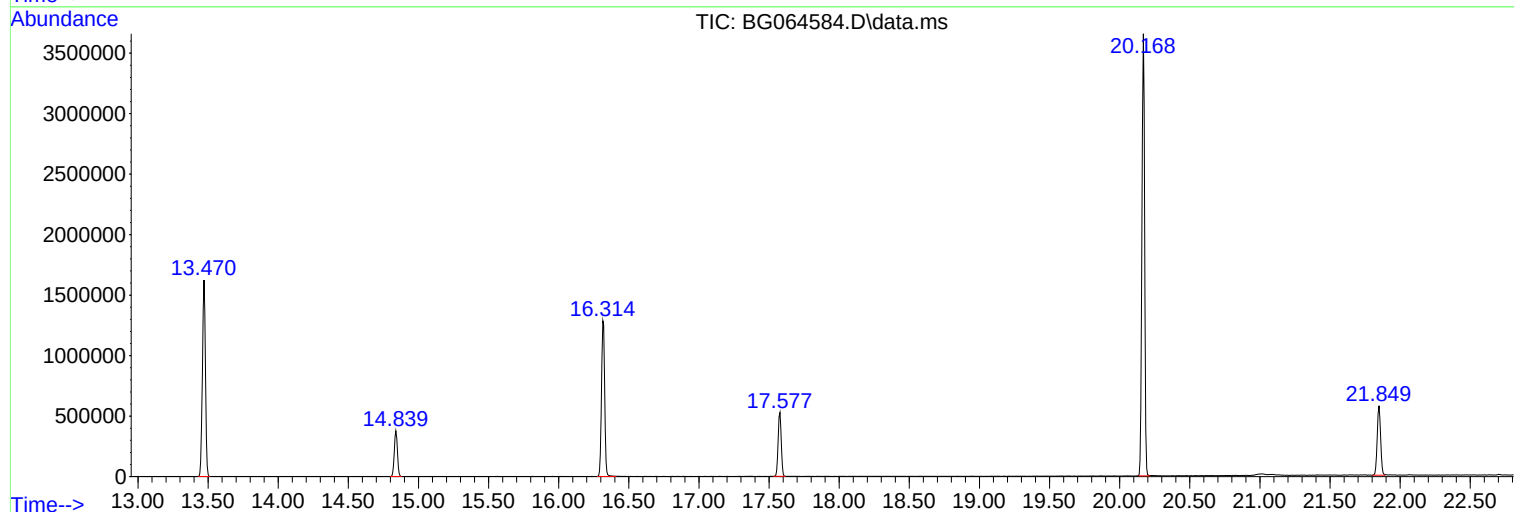
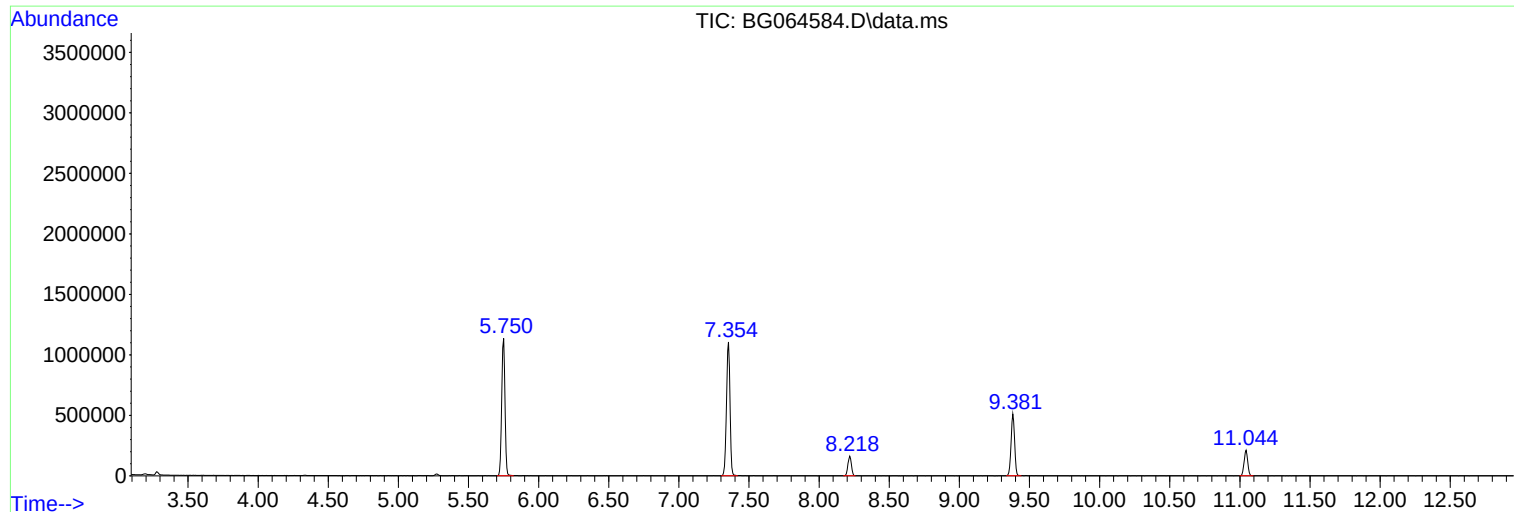
Sum of corrected areas: 18204505

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064584.D
Acq On : 27 Oct 2025 12:38
Operator : RC/JU
Sample : PB170222BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170222BL

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

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064584.D
Acq On : 27 Oct 2025 12:38
Operator : RC/JU
Sample : PB170222BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170222BL

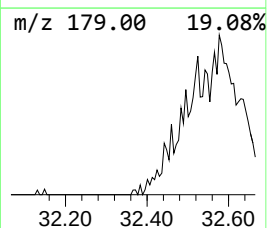
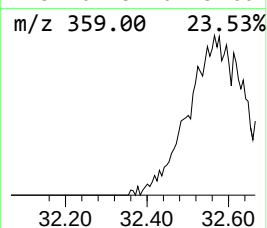
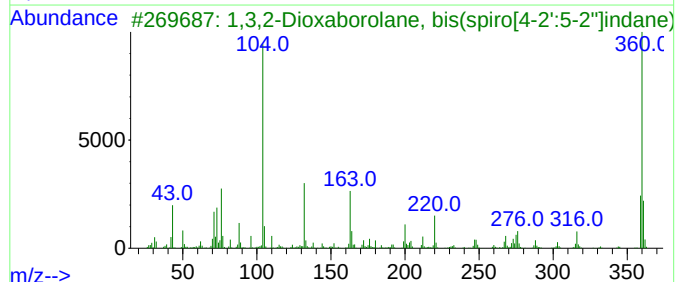
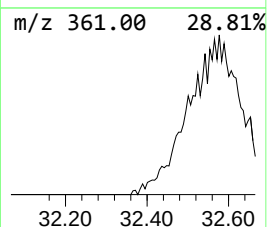
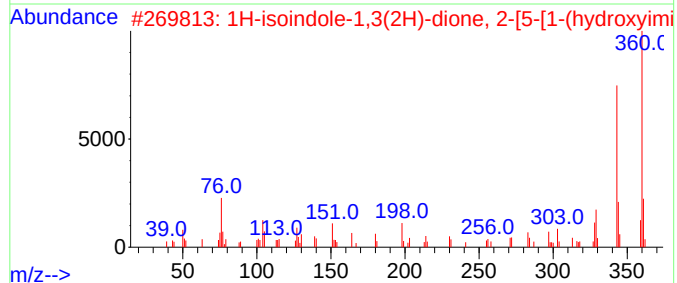
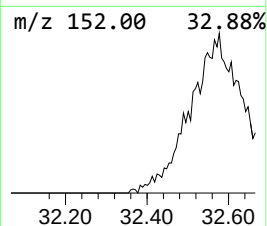
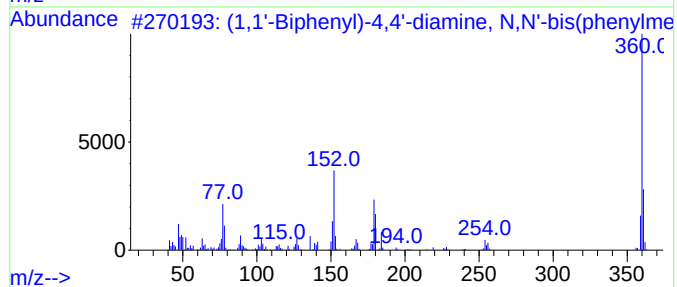
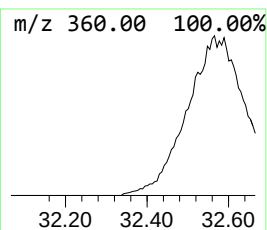
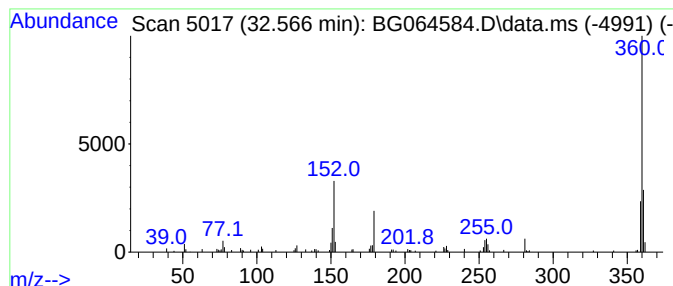
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
32.566	6.81 ng	329447	Perylene-d12	25.192

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			(1,1'-Biphenyl)-4,4'-diamine, N,...	360	C26H20N2	006311-48-4	87
2			1H-isoindole-1,3(2H)-dione, 2-[5...	360	C21H16N2O4	1000398-48-8	50
3			1,3,2-Dioxaborolane, bis(spiro[4...	360	C20H13B06	1000150-23-7	50
4			1,10-Phenanthroline, 2,9-dimethy...	360	C26H20N2	004733-39-5	50
5			Benzaldehyde, 4-hydroxy-3,5-dime...	360	C18H20N2O6	014414-32-5	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064584.D
Acq On : 27 Oct 2025 12:38
Operator : RC/JU
Sample : PB170222BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170222BL

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
(1,1'-Biphenyl)...	32.566	6.8	ng	329447	6	25.192	967287	20.0

Report of Analysis

Client: ICE Service Group, Inc.
 Project: NWIRP Northrup Grumman Site – Bethpage, NY
 Client Sample ID: PB170222BS
 Lab Sample ID: PB170222BS
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
 Prep Method : Prep Date: 10/22/25

Date Collected:
 Date Received:
 SDG No.: Q3400
 Matrix: Water
 % Solid: 0
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	13.2		1	3.90	8.00	10.0	ug/L	10/27/25 13:19	PB170222
108-95-2	Phenol	40.8		1	0.91	4.00	5.00	ug/L	10/27/25 13:19	PB170222
111-44-4	bis(2-Chloroethyl)ether	27.3		1	0.81	4.00	5.00	ug/L	10/27/25 13:19	PB170222
95-57-8	2-Chlorophenol	41.9		1	0.58	4.00	5.00	ug/L	10/27/25 13:19	PB170222
95-48-7	2-Methylphenol	39.5		1	1.10	4.00	5.00	ug/L	10/27/25 13:19	PB170222
108-60-1	2,2-oxybis(1-Chloropropane)	32.0		1	1.30	4.00	5.00	ug/L	10/27/25 13:19	PB170222
98-86-2	Acetophenone	42.0		1	0.74	4.00	5.00	ug/L	10/27/25 13:19	PB170222
65794-96-9	3+4-Methylphenols	34.8		1	1.10	8.00	10.0	ug/L	10/27/25 13:19	PB170222
621-64-7	n-Nitroso-di-n-propylamine	33.2		1	1.40	2.50	2.50	ug/L	10/27/25 13:19	PB170222
67-72-1	Hexachloroethane	32.7		1	0.65	4.00	5.00	ug/L	10/27/25 13:19	PB170222
98-95-3	Nitrobenzene	40.6		1	0.76	4.00	5.00	ug/L	10/27/25 13:19	PB170222
78-59-1	Isophorone	39.6		1	0.75	4.00	5.00	ug/L	10/27/25 13:19	PB170222
88-75-5	2-Nitrophenol	35.3		1	1.80	4.00	5.00	ug/L	10/27/25 13:19	PB170222
105-67-9	2,4-Dimethylphenol	48.9		1	1.90	4.00	5.00	ug/L	10/27/25 13:19	PB170222
111-91-1	bis(2-Chloroethoxy)methane	40.2		1	0.68	4.00	5.00	ug/L	10/27/25 13:19	PB170222
120-83-2	2,4-Dichlorophenol	44.8		1	0.52	4.00	5.00	ug/L	10/27/25 13:19	PB170222
91-20-3	Naphthalene	39.3		1	0.50	4.00	5.00	ug/L	10/27/25 13:19	PB170222
106-47-8	4-Chloroaniline	20.8		1	0.84	4.00	5.00	ug/L	10/27/25 13:19	PB170222
87-68-3	Hexachlorobutadiene	39.1		1	0.54	4.00	5.00	ug/L	10/27/25 13:19	PB170222
105-60-2	Caprolactam	39.1		1	1.10	8.00	10.0	ug/L	10/27/25 13:19	PB170222
59-50-7	4-Chloro-3-methylphenol	42.4		1	0.59	4.00	5.00	ug/L	10/27/25 13:19	PB170222
91-57-6	2-Methylnaphthalene	36.6		1	0.56	4.00	5.00	ug/L	10/27/25 13:19	PB170222
77-47-4	Hexachlorocyclopentadiene	98.2	E	1	3.60	8.00	10.0	ug/L	10/27/25 13:19	PB170222
88-06-2	2,4,6-Trichlorophenol	43.5		1	0.51	4.00	5.00	ug/L	10/27/25 13:19	PB170222
95-95-4	2,4,5-Trichlorophenol	42.8		1	0.62	4.00	5.00	ug/L	10/27/25 13:19	PB170222
92-52-4	1,1-Biphenyl	42.4		1	0.53	4.00	5.00	ug/L	10/27/25 13:19	PB170222
91-58-7	2-Chloronaphthalene	39.3		1	0.61	4.00	5.00	ug/L	10/27/25 13:19	PB170222
88-74-4	2-Nitroaniline	36.3		1	1.30	4.00	5.00	ug/L	10/27/25 13:19	PB170222
131-11-3	Dimethylphthalate	39.8		1	0.61	4.00	5.00	ug/L	10/27/25 13:19	PB170222
208-96-8	Acenaphthylene	45.0		1	0.75	4.00	5.00	ug/L	10/27/25 13:19	PB170222
606-20-2	2,6-Dinitrotoluene	41.3		1	0.92	4.00	5.00	ug/L	10/27/25 13:19	PB170222
99-09-2	3-Nitroaniline	29.3		1	1.10	4.00	5.00	ug/L	10/27/25 13:19	PB170222
83-32-9	Acenaphthene	42.0		1	0.55	4.00	5.00	ug/L	10/27/25 13:19	PB170222
51-28-5	2,4-Dinitrophenol	74.3		1	6.00	8.00	10.0	ug/L	10/27/25 13:19	PB170222
100-02-7	4-Nitrophenol	82.7	E	1	2.40	8.00	10.0	ug/L	10/27/25 13:19	PB170222
132-64-9	Dibenzofuran	39.8		1	0.61	4.00	5.00	ug/L	10/27/25 13:19	PB170222
121-14-2	2,4-Dinitrotoluene	39.0		1	1.20	4.00	5.00	ug/L	10/27/25 13:19	PB170222
84-66-2	Diethylphthalate	39.4		1	0.69	4.00	5.00	ug/L	10/27/25 13:19	PB170222
7005-72-3	4-Chlorophenyl-phenylether	40.0		1	0.68	4.00	5.00	ug/L	10/27/25 13:19	PB170222
86-73-7	Fluorene	40.9		1	0.63	4.00	5.00	ug/L	10/27/25 13:19	PB170222
100-01-6	4-Nitroaniline	42.1		1	1.50	4.00	5.00	ug/L	10/27/25 13:19	PB170222
534-52-1	4,6-Dinitro-2-methylphenol	39.3		1	2.90	8.00	10.0	ug/L	10/27/25 13:19	PB170222



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

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170222BS
Lab Sample ID: PB170222BS
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : Prep Date: 10/22/25

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	42.5		1	0.58	4.00	5.00	ug/L	10/27/25 13:19	PB170222
101-55-3	4-Bromophenyl-phenylether	40.9		1	0.40	4.00	5.00	ug/L	10/27/25 13:19	PB170222
118-74-1	Hexachlorobenzene	41.1		1	0.52	4.00	5.00	ug/L	10/27/25 13:19	PB170222
1912-24-9	Atrazine	40.0		1	1.00	4.00	5.00	ug/L	10/27/25 13:19	PB170222
87-86-5	Pentachlorophenol	84.1	E	1	1.60	8.00	10.0	ug/L	10/27/25 13:19	PB170222
85-01-8	Phenanthrene	40.0		1	0.50	4.00	5.00	ug/L	10/27/25 13:19	PB170222
120-12-7	Anthracene	40.2		1	0.61	4.00	5.00	ug/L	10/27/25 13:19	PB170222
86-74-8	Carbazole	40.3		1	0.72	4.00	5.00	ug/L	10/27/25 13:19	PB170222
84-74-2	Di-n-butylphthalate	39.0		1	1.20	4.00	5.00	ug/L	10/27/25 13:19	PB170222
206-44-0	Fluoranthene	39.3		1	0.82	4.00	5.00	ug/L	10/27/25 13:19	PB170222
129-00-0	Pyrene	39.9		1	0.50	4.00	5.00	ug/L	10/27/25 13:19	PB170222
85-68-7	Butylbenzylphthalate	43.2		1	1.90	4.00	5.00	ug/L	10/27/25 13:19	PB170222
91-94-1	3,3-Dichlorobenzidine	28.9		1	0.93	8.00	10.0	ug/L	10/27/25 13:19	PB170222
56-55-3	Benzo(a)anthracene	40.9		1	0.45	4.00	5.00	ug/L	10/27/25 13:19	PB170222
218-01-9	Chrysene	40.1		1	0.44	4.00	5.00	ug/L	10/27/25 13:19	PB170222
117-81-7	Bis(2-ethylhexyl)phthalate	42.5		1	1.60	4.00	5.00	ug/L	10/27/25 13:19	PB170222
117-84-0	Di-n-octyl phthalate	42.0		1	2.30	8.00	10.0	ug/L	10/27/25 13:19	PB170222
205-99-2	Benzo(b)fluoranthene	42.5		1	0.49	4.00	5.00	ug/L	10/27/25 13:19	PB170222
207-08-9	Benzo(k)fluoranthene	43.9		1	0.48	4.00	5.00	ug/L	10/27/25 13:19	PB170222
50-32-8	Benzo(a)pyrene	44.1		1	0.55	4.00	5.00	ug/L	10/27/25 13:19	PB170222
193-39-5	Indeno(1,2,3-cd)pyrene	42.0		1	0.59	4.00	5.00	ug/L	10/27/25 13:19	PB170222
53-70-3	Dibenzo(a,h)anthracene	43.2		1	0.67	4.00	5.00	ug/L	10/27/25 13:19	PB170222
191-24-2	Benzo(g,h,i)perylene	42.0		1	0.69	4.00	5.00	ug/L	10/27/25 13:19	PB170222
95-94-3	1,2,4,5-Tetrachlorobenzene	40.9		1	0.52	4.00	5.00	ug/L	10/27/25 13:19	PB170222
123-91-1	1,4-Dioxane	30.8		1	1.00	4.00	5.00	ug/L	10/27/25 13:19	PB170222
58-90-2	2,3,4,6-Tetrachlorophenol	45.3		1	0.72	4.00	5.00	ug/L	10/27/25 13:19	PB170222

SURROGATES

367-12-4	2-Fluorophenol	124		19 - 119	82%	SPK: 150
13127-88-3	Phenol-d6	123		10 - 130	82%	SPK: 150
4165-60-0	Nitrobenzene-d5	83.3		44 - 120	83%	SPK: 100
321-60-8	2-Fluorobiphenyl	80.1		44 - 119	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		43 - 140	84%	SPK: 150
1718-51-0	Terphenyl-d14	82.9		50 - 134	83%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	45400
1146-65-2	Naphthalene-d8	156000
15067-26-2	Acenaphthene-d10	125000
1517-22-2	Phenanthrene-d10	301000
1719-03-5	Chrysene-d12	321000
1520-96-3	Perylene-d12	328000



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

Report of Analysis

Client:	ICE Service Group, Inc.		Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY		Date Received:	
Client Sample ID:	PB170222BS		SDG No.:	Q3400
Lab Sample ID:	PB170222BS		Matrix:	Water
Analytical Method:	8270E	Level : LOW	% Solid:	0
Sample Wt/Vol:	1000 mL	Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :		Prep Date: 10/22/25		

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064585.D
 Acq On : 27 Oct 2025 13:19
 Operator : RC/JU
 Sample : PB170222BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

PB170222BS

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025

Quant Time: Oct 27 14:08:55 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.219	152	45379	20.000	ng	0.00
21) Naphthalene-d8	11.045	136	155959	20.000	ng	0.00
39) Acenaphthene-d10	14.841	164	125067	20.000	ng	0.00
64) Phenanthrene-d10	17.579	188	301008	20.000	ng	0.00
76) Chrysene-d12	21.856	240	321139	20.000	ng	0.00
86) Perylene-d12	25.194	264	327874	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.746	112	334089	123.574	ng	0.00
7) Phenol-d6	7.356	99	457232	123.249	ng	0.00
23) Nitrobenzene-d5	9.383	82	216302	83.302	ng	0.00
42) 2,4,6-Tribromophenol	16.322	330	228615	126.650	ng	0.00
45) 2-Fluorobiphenyl	13.472	172	661073	80.119	ng	0.00
79) Terphenyl-d14	20.170	244	1409876	82.851	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.584	88	36868	30.802	ng	99
3) Pyridine	3.989	79	105120	29.245	ng	97
4) n-Nitrosodimethylamine	3.901	42	70428	36.537	ng	89
6) Aniline	7.526	93	137559	27.250	ng	98
8) 2-Chlorophenol	7.779	128	118482	41.870	ng	99
9) Benzaldehyde	7.338	77	26802	13.233	ng	95
10) Phenol	7.379	94	167214	40.757	ng	98
11) bis(2-Chloroethyl)ether	7.526	93	137559	27.250	ng	97
12) 1,3-Dichlorobenzene	8.108	146	122230	37.529	ng	98
13) 1,4-Dichlorobenzene	8.255	146	127742	38.573	ng	95
14) 1,2-Dichlorobenzene	8.578	146	107869	33.770	ng	95
15) Benzyl Alcohol	8.448	79	119970	39.216	ng	97
16) 2,2'-oxybis(1-Chloropr...	8.748	45	253411	32.027	ng	99
17) 2-Methylphenol	8.448	107	60476	39.548	ng	92
18) Hexachloroethane	9.318	117	37966	32.668	ng	95
19) n-Nitroso-di-n-propyla...	9.024	70	85218	33.238	ng	98
20) 3+4-Methylphenols	8.977	107	133380	34.818	ng	99
22) Acetophenone	9.042	105	179107	42.011	ng	97
24) Nitrobenzene	9.424	77	114657	40.598	ng	97
25) Isophorone	9.953	82	246777	39.607	ng	98
26) 2-Nitrophenol	10.147	139	37556	35.348	ng	93
27) 2,4-Dimethylphenol	10.194	122	115691	48.938	ng	95
28) bis(2-Chloroethoxy)met...	10.434	93	142754	40.240	ng	99
29) 2,4-Dichlorophenol	10.675	162	111640	44.759	ng	96
30) 1,2,4-Trichlorobenzene	10.904	180	118363	41.766	ng	98
31) Naphthalene	11.098	128	339431	39.255	ng	100
32) Benzoic acid	10.311	122	64118	39.123	ng	# 87
33) 4-Chloroaniline	11.186	127	70034	20.838	ng	98
34) Hexachlorobutadiene	11.386	225	86664	39.103	ng	99
35) Caprolactam	11.944	113	37378m	39.072	ng	
36) 4-Chloro-3-methylphenol	12.291	107	127228	42.436	ng	97
37) 2-Methylnaphthalene	12.691	142	232467	36.618	ng	97
38) 1-Methylnaphthalene	12.902	142	243465	38.975	ng	96
40) 1,2,4,5-Tetrachloroben...	13.049	216	171867	40.947	ng	98
41) Hexachlorocyclopentadiene	13.037	237	185605	98.243	ng	98
43) 2,4,6-Trichlorophenol	13.278	196	104542	43.543	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064585.D
 Acq On : 27 Oct 2025 13:19
 Operator : RC/JU
 Sample : PB170222BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

PB170222BS

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025

Quant Time: Oct 27 14:08:55 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.349	196	118455	42.754	ng	98
46) 1,1'-Biphenyl	13.684	154	377195	42.422	ng	98
47) 2-Chloronaphthalene	13.725	162	264066	39.345	ng	99
48) 2-Nitroaniline	13.907	65	79939	36.321	ng	92
49) Acenaphthylene	14.565	152	476895	45.049	ng	99
50) Dimethylphthalate	14.289	163	380815	39.792	ng	99
51) 2,6-Dinitrotoluene	14.400	165	64472	41.306	ng	97
52) Acenaphthene	14.906	154	303736	41.995	ng	95
53) 3-Nitroaniline	14.723	138	48114	29.254	ng	94
54) 2,4-Dinitrophenol	14.929	184	71581	74.300	ng	# 39
55) Dibenzofuran	15.241	168	465842	39.839	ng	99
56) 4-Nitrophenol	15.017	139	126067	82.675	ng	98
57) 2,4-Dinitrotoluene	15.182	165	93700	38.990	ng	95
58) Fluorene	15.887	166	373136	40.861	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.452	232	120007	45.296	ng	98
60) Diethylphthalate	15.646	149	385214	39.422	ng	99
61) 4-Chlorophenyl-phenyle...	15.875	204	205156	40.032	ng	98
62) 4-Nitroaniline	15.887	138	77104	42.140	ng	95
63) Azobenzene	16.163	77	374238	41.741	ng	96
65) 4,6-Dinitro-2-methylph...	15.946	198	50612	39.318	ng	96
66) n-Nitrosodiphenylamine	16.081	169	345741	42.521	ng	98
67) 4-Bromophenyl-phenylether	16.762	248	145798	40.873	ng	99
68) Hexachlorobenzene	16.886	284	167195	41.086	ng	96
69) Atrazine	17.021	200	139945	39.995	ng	97
70) Pentachlorophenol	17.221	266	213517	84.140	ng	88
71) Phenanthrene	17.620	178	658447	40.001	ng	99
72) Anthracene	17.714	178	673431	40.218	ng	100
73) Carbazole	17.973	167	594347	40.252	ng	99
74) Di-n-butylphthalate	18.531	149	666045	39.008	ng	100
75) Fluoranthene	19.618	202	810317	39.295	ng	99
77) Benzidine	19.782	184	181540	25.232	ng	100
78) Pyrene	19.976	202	836111	39.850	ng	100
80) Butylbenzylphthalate	20.852	149	273778	43.173	ng	98
81) Benzo(a)anthracene	21.833	228	871095	40.909	ng	99
82) 3,3'-Dichlorobenzidine	21.733	252	205280	28.870	ng	99
83) Chrysene	21.903	228	812759	40.115	ng	98
84) Bis(2-ethylhexyl)phtha...	21.745	149	402787	42.508	ng	99
85) Di-n-octyl phthalate	23.008	149	671230	42.016	ng	98
87) Indeno(1,2,3-cd)pyrene	29.036	276	1014209	42.049	ng	99
88) Benzo(b)fluoranthene	24.130	252	854015	42.477	ng	99
89) Benzo(k)fluoranthene	24.201	252	883190	43.898	ng	98
90) Benzo(a)pyrene	25.035	252	814648	44.080	ng	100
91) Dibenzo(a,h)anthracene	29.101	278	846322	43.190	ng	95
92) Benzo(g,h,i)perylene	29.036	276	1014209	42.049	ng	98

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

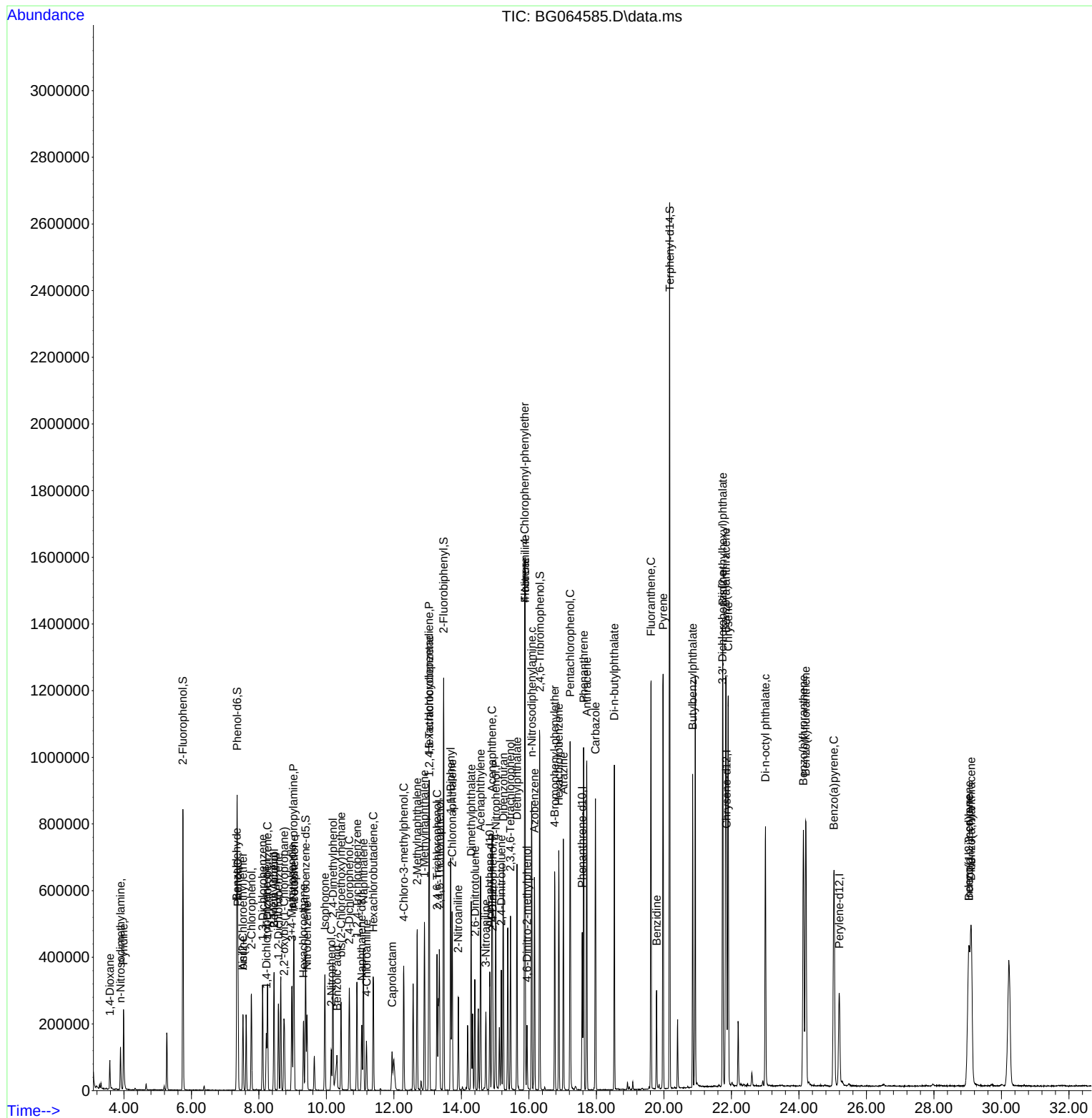
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Data File : BG064585.D
Acq On : 27 Oct 2025 13:19
Operator : RC/JU
Sample : PB170222BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170222BS

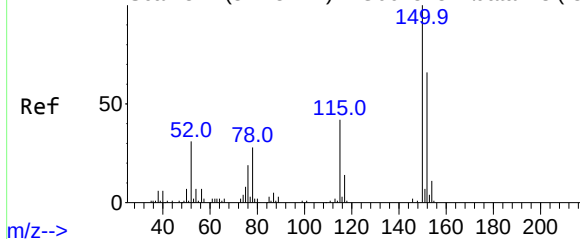
Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

Quant Time: Oct 27 14:08:55 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



Abundance Scan 874 (8.223 min): BG064573.D\data.ms (-86



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.219 min Scan# 81

Delta R.T. -0.002 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

Tgt Ion:152 Resp: 45379

Ion Ratio Lower Upper

152 100

150 153.2 122.2 183.4

115 54.3 50.8 76.2

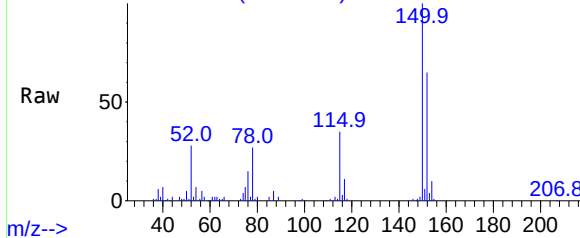
Manual Integrations

APPROVED

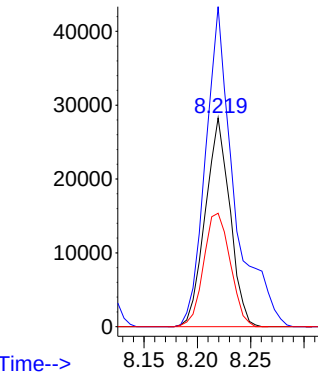
Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025

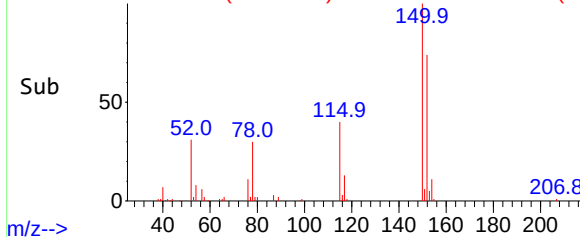
Abundance Scan 873 (8.219 min): BG064585.D\data.ms



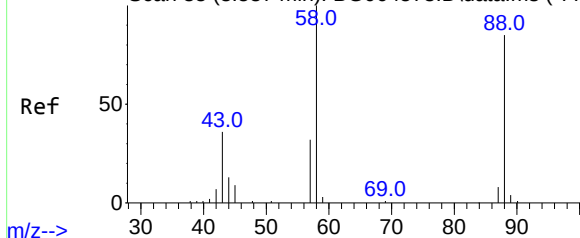
Abundance



Abundance Scan 873 (8.219 min): BG064585.D\data.ms (-85



Abundance Scan 85 (3.587 min): BG064573.D\data.ms (-77)



#2

1,4-Dioxane

Concen: 30.802 ng

RT: 3.584 min Scan# 84

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Tgt Ion: 88 Resp: 36868

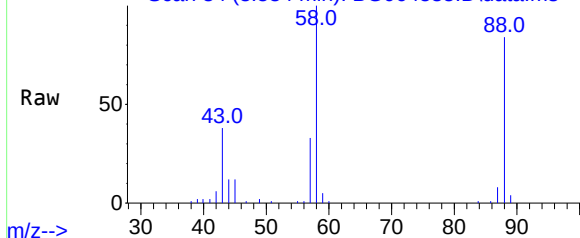
Ion Ratio Lower Upper

88 100

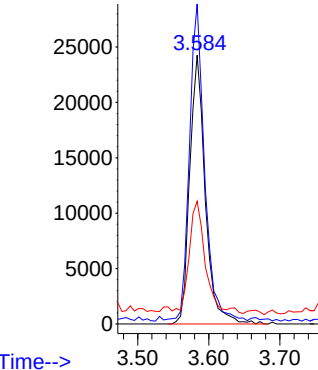
58 114.4 92.4 138.6

43 39.6 33.0 49.6

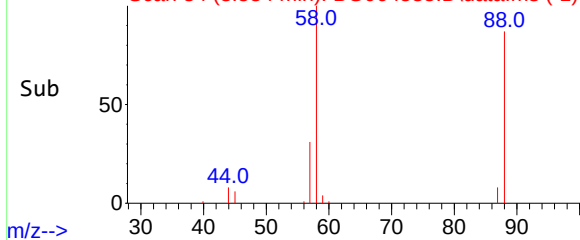
Abundance Scan 84 (3.584 min): BG064585.D\data.ms

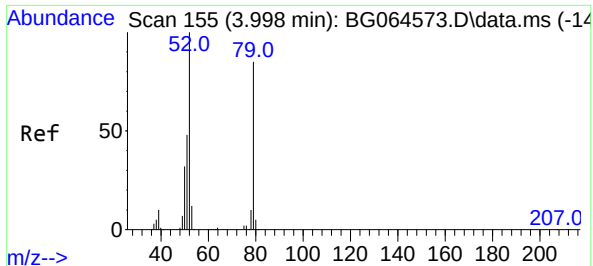


Abundance



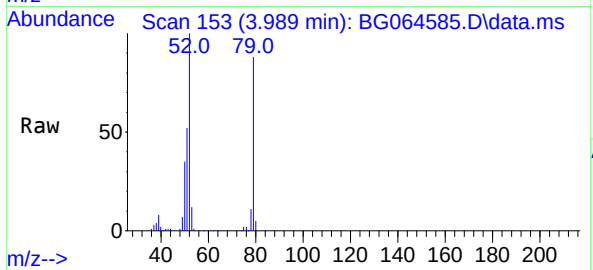
Abundance Scan 84 (3.584 min): BG064585.D\data.ms (-1)





#3
Pyridine
Concen: 29.245 ng
RT: 3.989 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

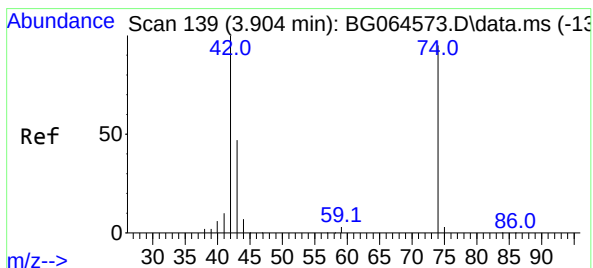
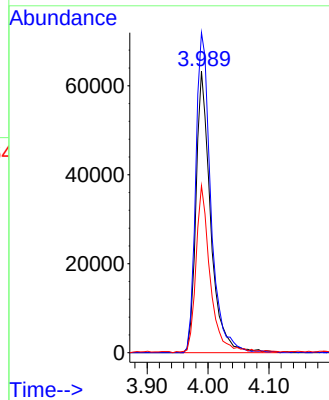
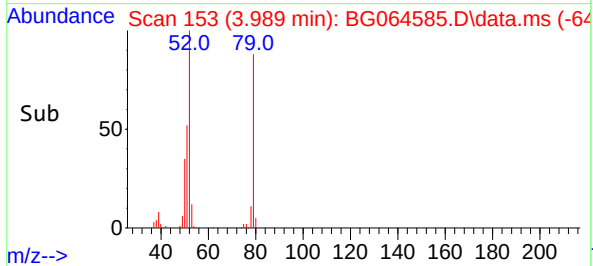
Instrument :
BNA_G
ClientSampleId :
PB170222BS



Tgt Ion: 79 Resp: 105120
Ion Ratio Lower Upper
79 100
52 113.7 94.2 141.2
51 59.3 46.1 69.1

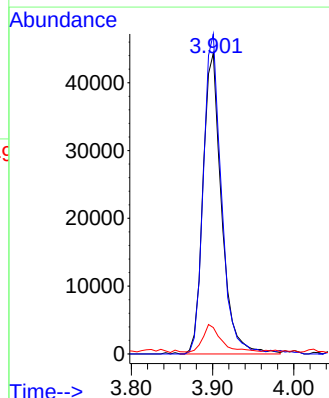
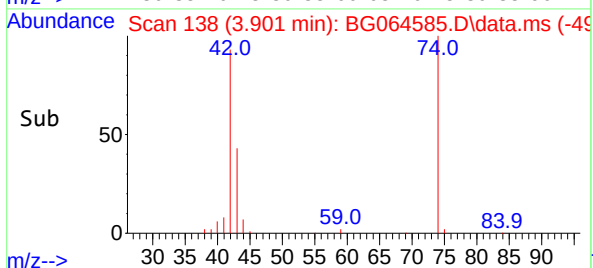
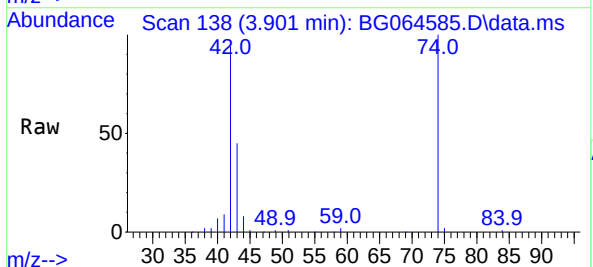
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

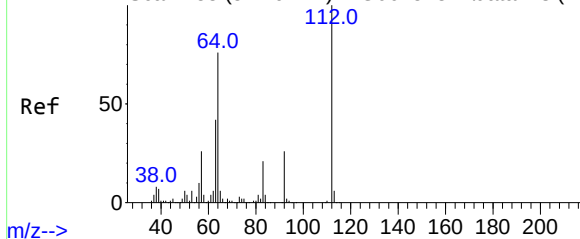


#4
n-Nitrosodimethylamine
Concen: 36.537 ng
RT: 3.901 min Scan# 138
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Tgt Ion: 42 Resp: 70428
Ion Ratio Lower Upper
42 100
74 106.5 76.1 114.1
44 8.8 6.3 9.5



Abundance Scan 453 (5.749 min): BG064573.D\data.ms (-44



#5

2-Fluorophenol

Concen: 123.574 ng

RT: 5.746 min Scan# 41

Delta R.T. -0.001 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

Tgt Ion:112 Resp: 334089

Ion Ratio Lower Upper

112 100

64 78.7 60.7 91.1

63 42.6 33.4 50.0

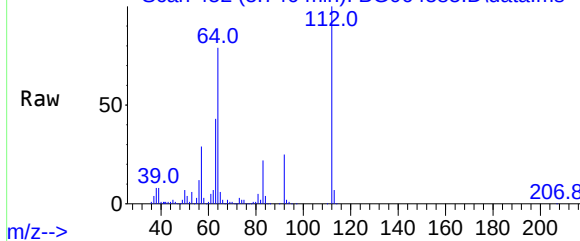
Manual Integrations

APPROVED

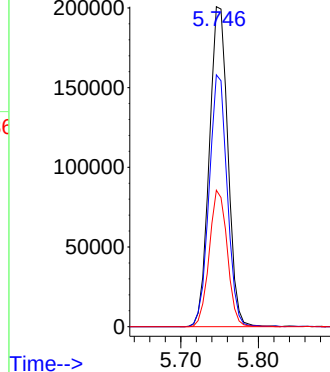
Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025

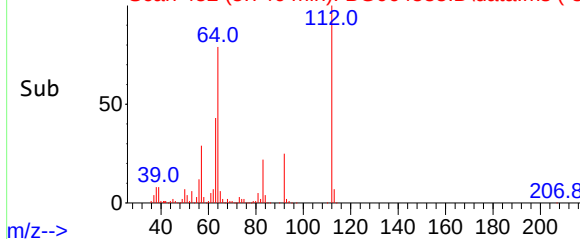
Abundance Scan 452 (5.746 min): BG064585.D\data.ms



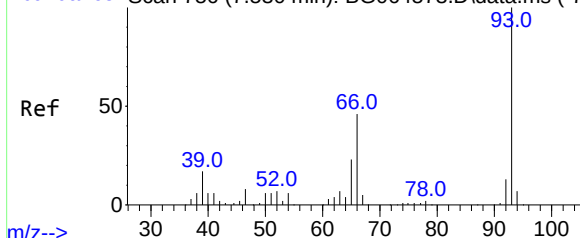
Abundance



Abundance Scan 452 (5.746 min): BG064585.D\data.ms (-36



Abundance Scan 756 (7.530 min): BG064573.D\data.ms (-74



#6

Aniline

Concen: 27.250 ng

RT: 7.526 min Scan# 755

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Tgt Ion: 93 Resp: 137559

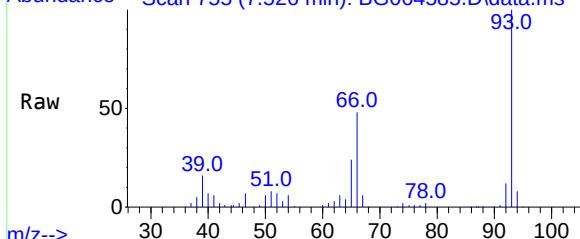
Ion Ratio Lower Upper

93 100

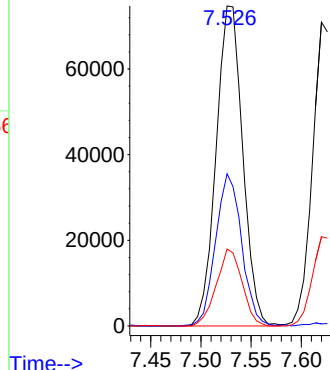
66 47.6 37.0 55.6

65 24.0 18.3 27.5

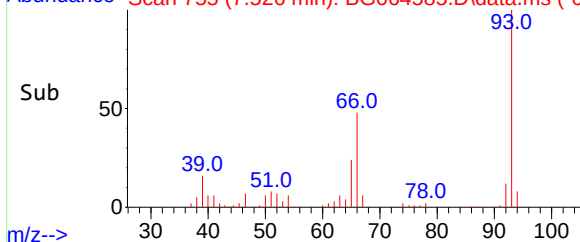
Abundance Scan 755 (7.526 min): BG064585.D\data.ms



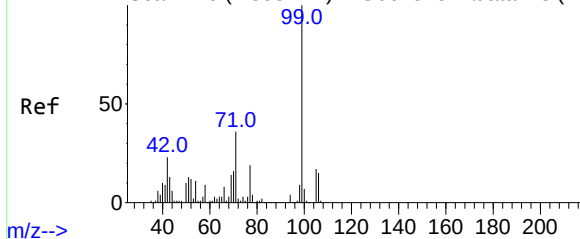
Abundance



Abundance Scan 755 (7.526 min): BG064585.D\data.ms (-66



Abundance Scan 726 (7.353 min): BG064573.D\data.ms (-71



#7

Phenol-d6

Concen: 123.249 ng

RT: 7.356 min Scan# 71

Delta R.T. -0.001 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

Tgt Ion: 99 Resp: 45723

Ion Ratio Lower Upper

99 100

42 24.0 18.3 27.5

71 36.9 28.6 43.0

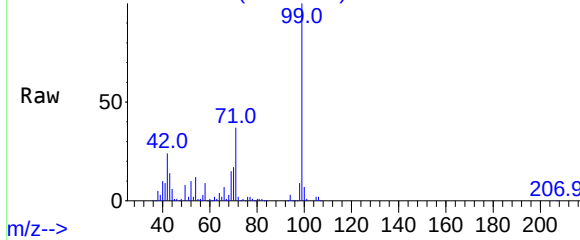
Manual Integrations

APPROVED

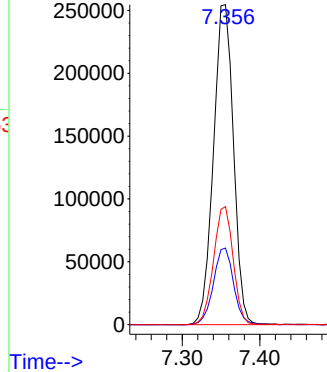
Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025

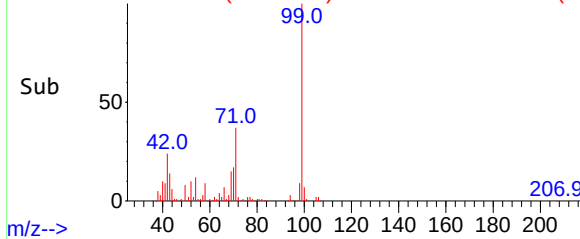
Abundance Scan 726 (7.356 min): BG064585.D\data.ms



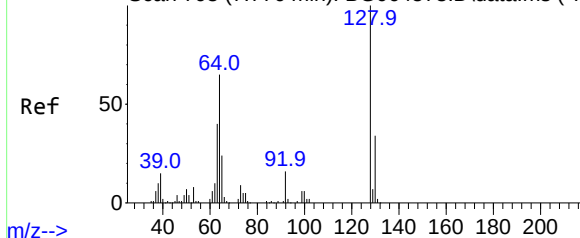
Abundance



Abundance Scan 726 (7.356 min): BG064585.D\data.ms (-63



Abundance Scan 798 (7.776 min): BG064573.D\data.ms (-75



#8

2-Chlorophenol

Concen: 41.870 ng

RT: 7.779 min Scan# 798

Delta R.T. -0.001 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Tgt Ion:128 Resp: 118482

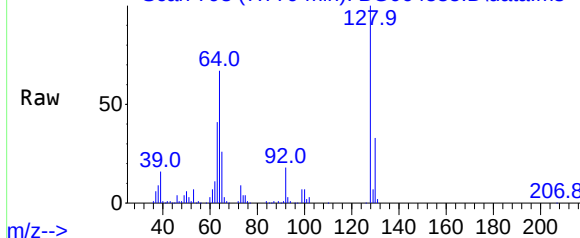
Ion Ratio Lower Upper

128 100

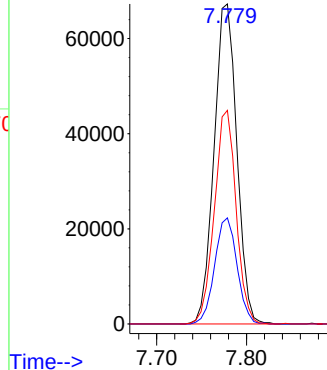
130 33.1 13.5 53.5

64 66.7 45.2 85.2

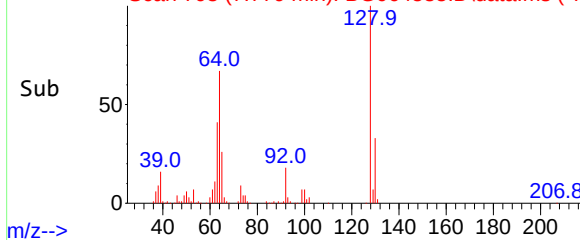
Abundance Scan 798 (7.779 min): BG064585.D\data.ms



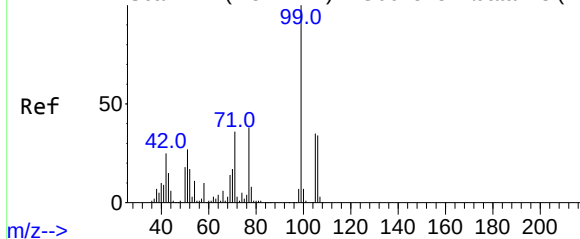
Abundance



Abundance Scan 798 (7.779 min): BG064585.D\data.ms (-70

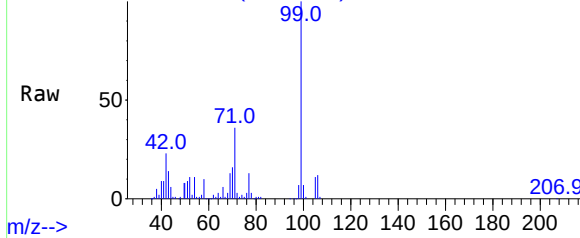


Abundance Scan 724 (7.342 min): BG064573.D\data.ms (-71



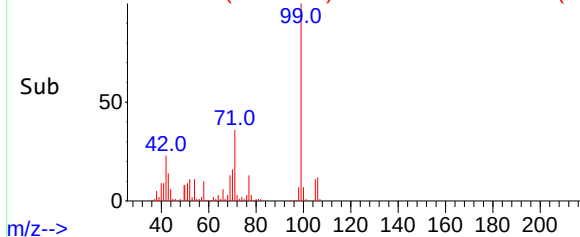
m/z-->

Abundance Scan 723 (7.338 min): BG064585.D\data.ms



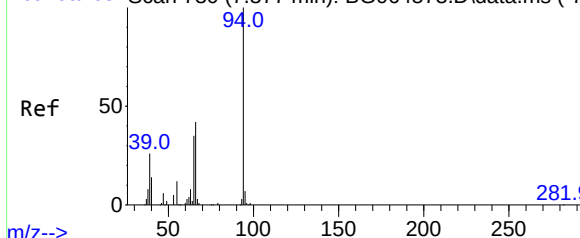
m/z-->

Abundance Scan 723 (7.338 min): BG064585.D\data.ms (-70



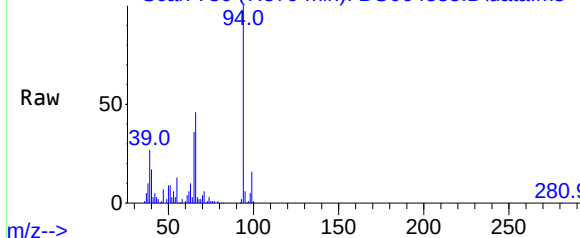
m/z-->

Abundance Scan 730 (7.377 min): BG064573.D\data.ms (-72



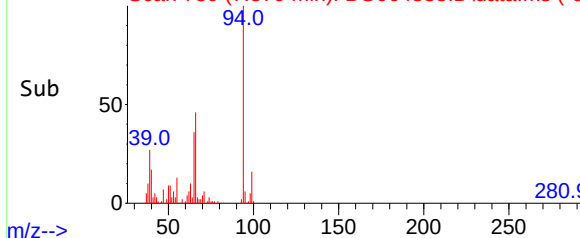
m/z-->

Abundance Scan 730 (7.379 min): BG064585.D\data.ms



m/z-->

Abundance Scan 730 (7.379 min): BG064585.D\data.ms (-64



m/z-->

#9

Benzaldehyde

Concen: 13.233 ng

RT: 7.338 min Scan# 71

Delta R.T. -0.001 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

Tgt Ion: 77 Resp: 2680

Ion Ratio Lower Upper

77 100

105 86.6 72.9 112.9

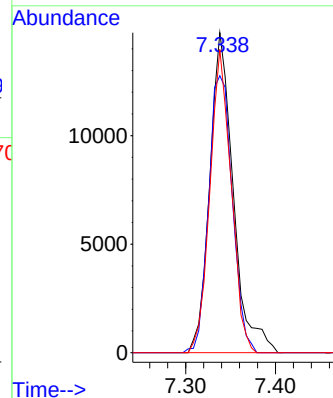
106 94.8 70.8 110.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025



#10

Phenol

Concen: 40.757 ng

RT: 7.379 min Scan# 730

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

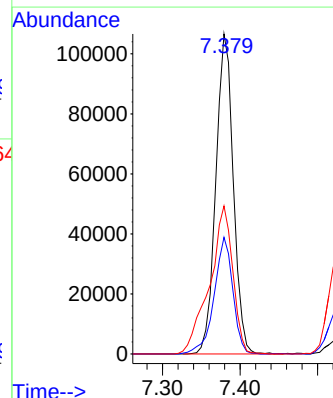
Tgt Ion: 94 Resp: 167214

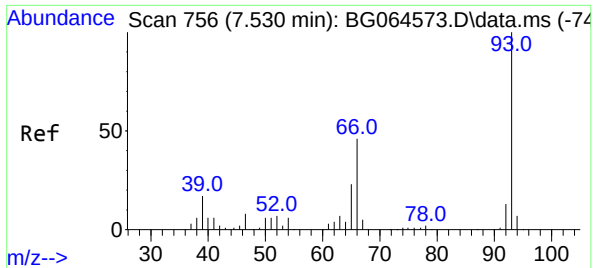
Ion Ratio Lower Upper

94 100

65 36.4 15.8 55.8

66 46.3 24.0 64.0





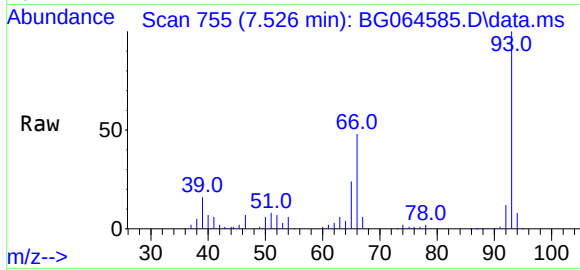
#11
bis(2-Chloroethyl)ether
Concen: 27.250 ng
RT: 7.526 min Scan# 71
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

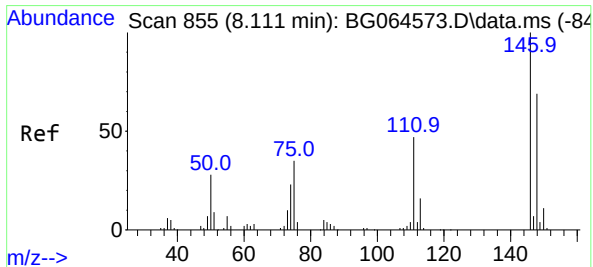
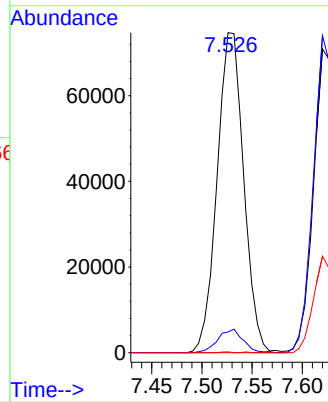
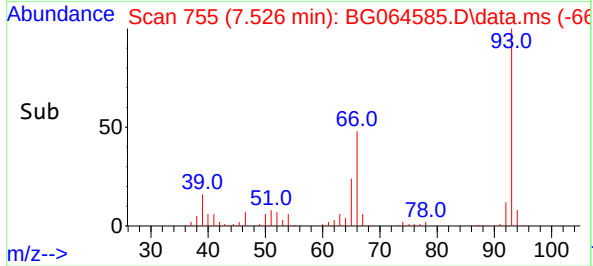


Tgt Ion: 93 Resp: 137559
Ion Ratio Lower Upper
93 100
63 6.5 0.0 27.4
95 0.3 0.0 20.2

Manual Integrations

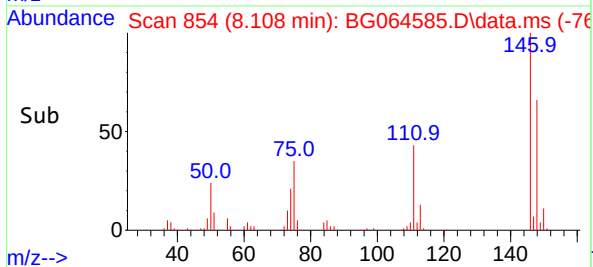
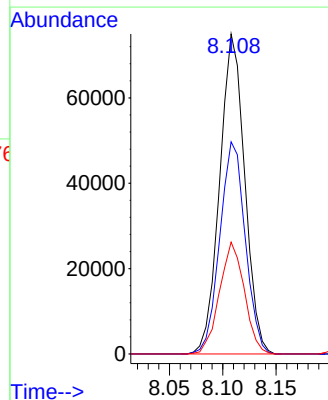
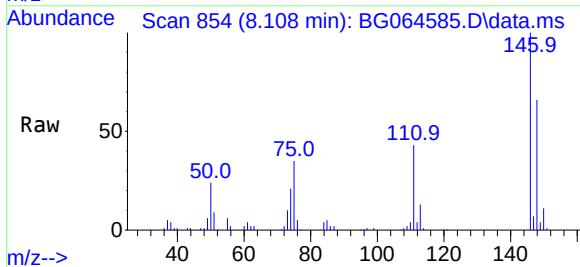
APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

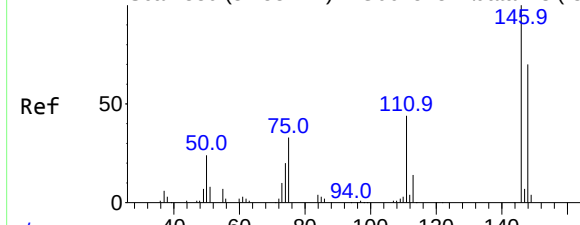


#12
1,3-Dichlorobenzene
Concen: 37.529 ng
RT: 8.108 min Scan# 854
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Tgt Ion:146 Resp: 122230
Ion Ratio Lower Upper
146 100
148 66.3 55.3 82.9
75 35.0 28.2 42.2

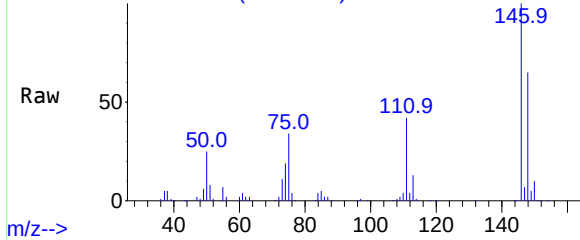


Abundance Scan 880 (8.258 min): BG064573.D\data.ms (-87



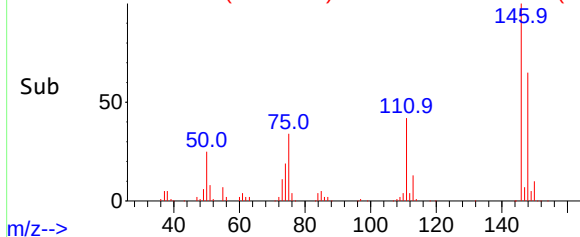
m/z-->

Abundance Scan 879 (8.255 min): BG064585.D\data.ms



m/z-->

Abundance Scan 879 (8.255 min): BG064585.D\data.ms (-78



m/z-->

#13

1,4-Dichlorobenzene

Concen: 38.573 ng

RT: 8.255 min Scan# 81

Delta R.T. -0.001 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Tgt Ion:146 Resp: 12774

Ion Ratio Lower Upper

146 100

148 65.4 56.2 84.4

111 42.2 35.4 53.0

Instrument :

BNA_G

ClientSampleId :

PB170222BS

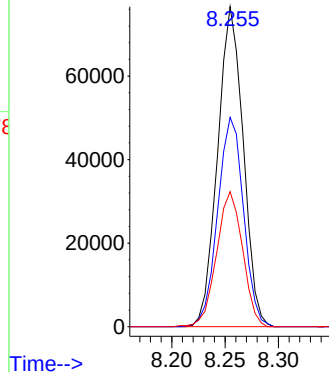
Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

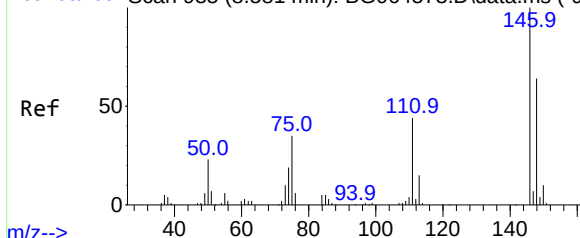
Supervised By :Jagrut Upadhyay 10/28/2025

Abundance



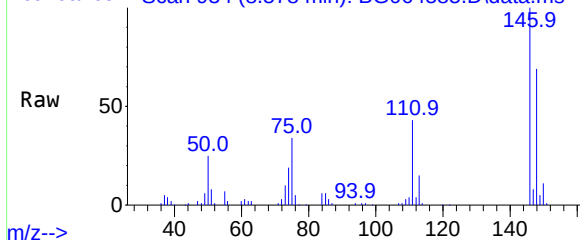
Time-->

Abundance Scan 935 (8.581 min): BG064573.D\data.ms (-92



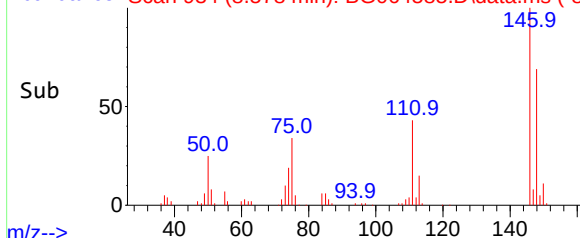
m/z-->

Abundance Scan 934 (8.578 min): BG064585.D\data.ms



m/z-->

Abundance Scan 934 (8.578 min): BG064585.D\data.ms (-84



m/z-->

#14

1,2-Dichlorobenzene

Concen: 33.770 ng

RT: 8.578 min Scan# 934

Delta R.T. -0.001 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Tgt Ion:146 Resp: 107869

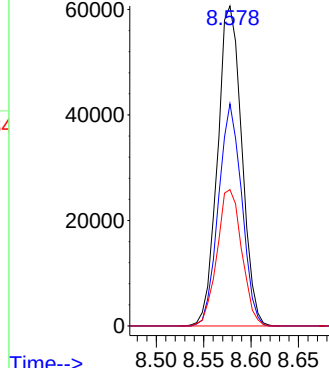
Ion Ratio Lower Upper

146 100

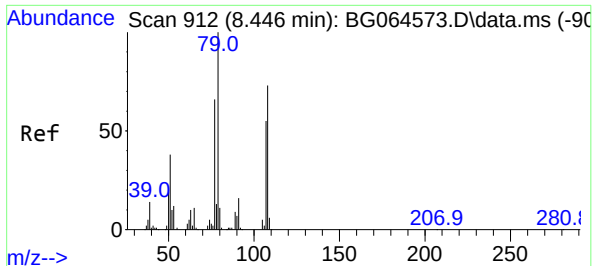
148 69.5 51.5 77.3

111 42.6 35.0 52.6

Abundance

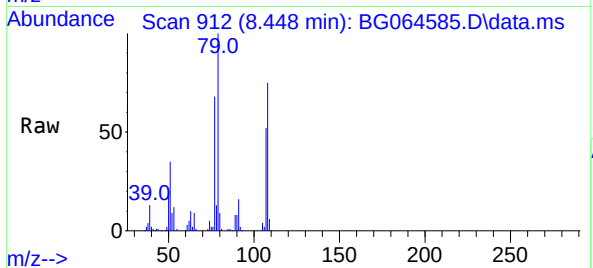


Time-->



#15
Benzyl Alcohol
Concen: 39.216 ng
RT: 8.448 min Scan# 912
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

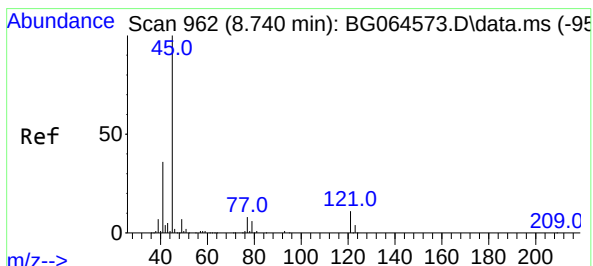
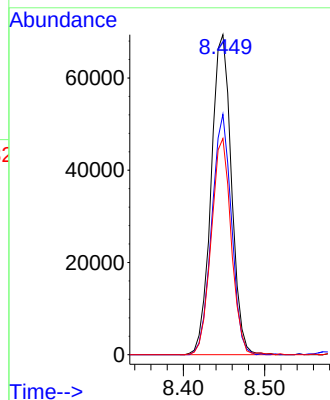
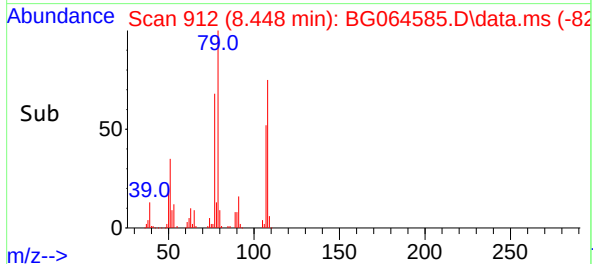
Instrument :
BNA_G
ClientSampleId :
PB170222BS



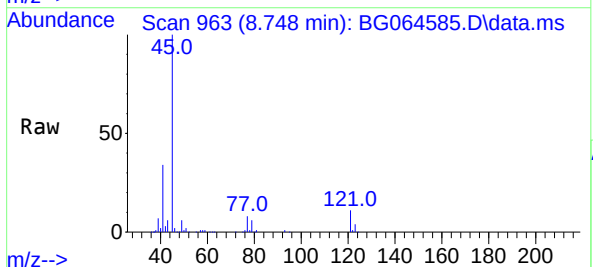
Tgt Ion: 79 Resp: 119970
Ion Ratio Lower Upper
79 100
108 75.1 58.1 87.1
77 67.6 52.8 79.2

Manual Integrations
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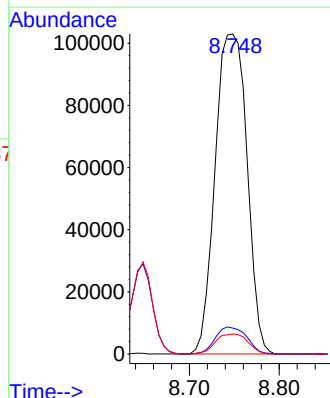
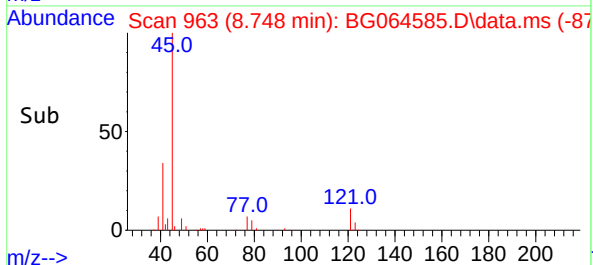
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

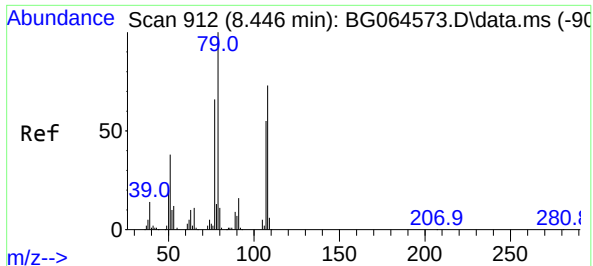


#16
2,2'-oxybis(1-Chloropropane)
Concen: 32.027 ng
RT: 8.748 min Scan# 963
Delta R.T. 0.005 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19



Tgt Ion: 45 Resp: 253411
Ion Ratio Lower Upper
45 100
77 8.1 0.0 28.5
79 6.3 0.0 25.6





#17

2-Methylphenol

Concen: 39.548 ng

RT: 8.448 min Scan# 912

Delta R.T. -0.001 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

Tgt Ion:107 Resp: 60470

Ion Ratio Lower Upper

107 100

108 144.1 106.4 159.6

77 129.7 96.7 145.1

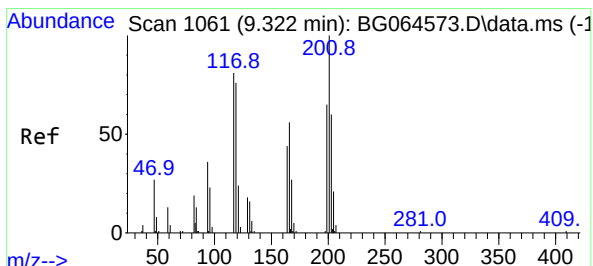
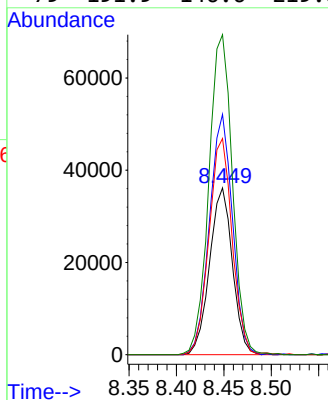
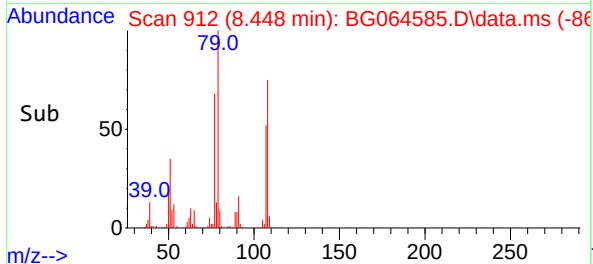
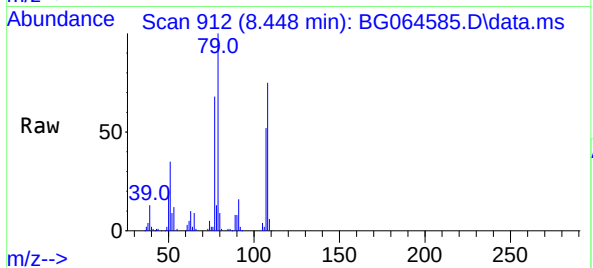
79 191.9 146.6 219.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025



#18

Hexachloroethane

Concen: 32.668 ng

RT: 9.318 min Scan# 1060

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

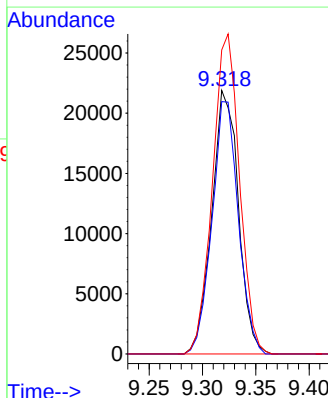
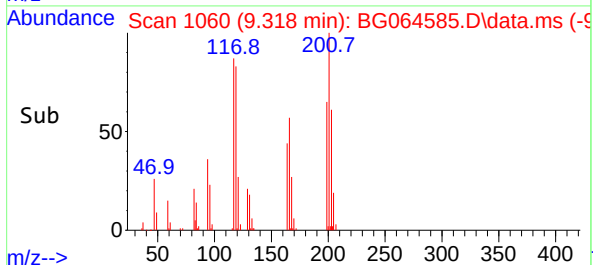
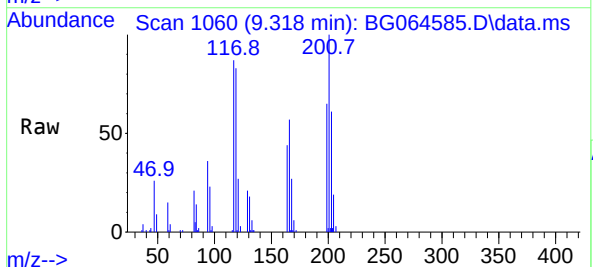
Tgt Ion:117 Resp: 37966

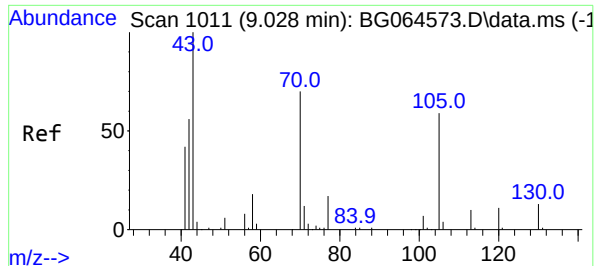
Ion Ratio Lower Upper

117 100

119 95.8 75.4 113.2

201 115.4 99.2 148.8





#19

n-Nitroso-di-n-propylamine

Concen: 33.238 ng

RT: 9.024 min Scan# 1011

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

Tgt Ion: 70 Resp: 85218

Ion Ratio Lower Upper

70 100

42 79.4 65.2 97.8

101 9.2 7.9 11.9

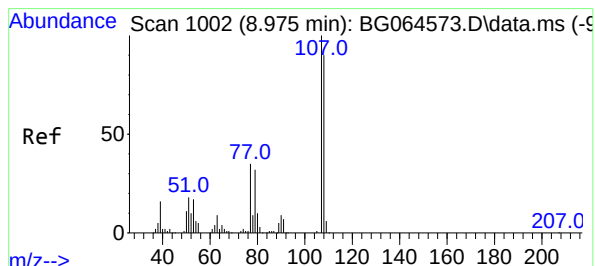
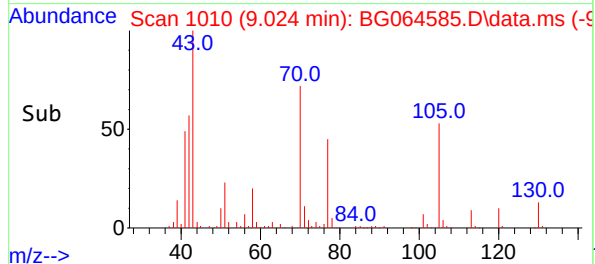
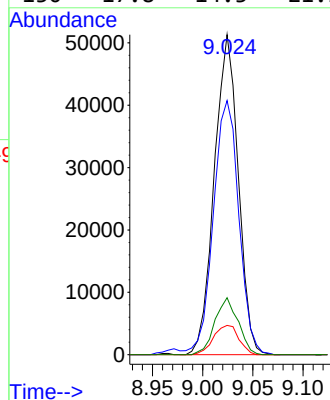
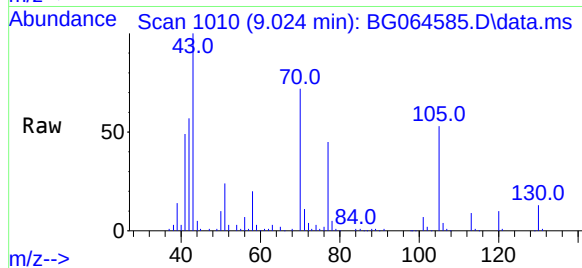
130 17.8 14.3 21.5

Manual Integrations

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Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025



#20

3+4-Methylphenols

Concen: 34.818 ng

RT: 8.977 min Scan# 1002

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Tgt Ion:107 Resp: 133380

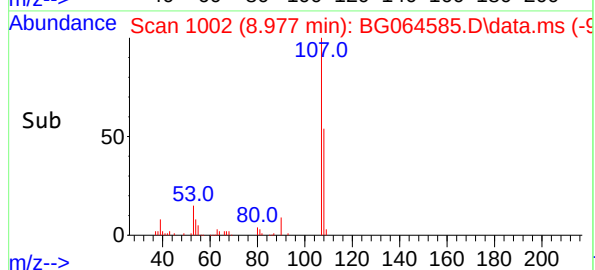
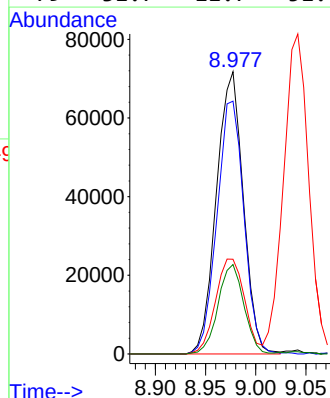
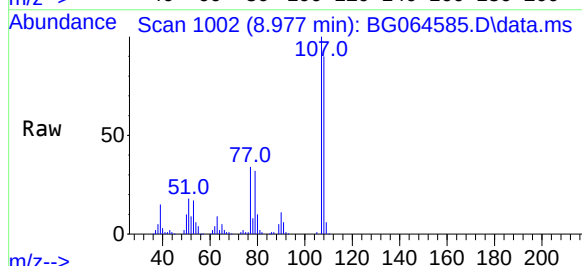
Ion Ratio Lower Upper

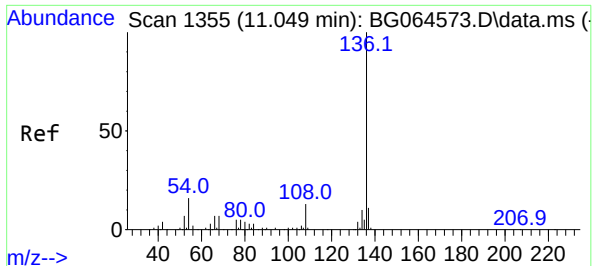
107 100

108 89.5 70.3 110.3

77 33.5 14.6 54.6

79 31.7 11.7 51.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.045 min Scan# 1101

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

Tgt Ion:136 Resp: 15595

Ion Ratio Lower Upper

136 100

137 10.8 9.2 13.8

54 14.4 12.6 19.0

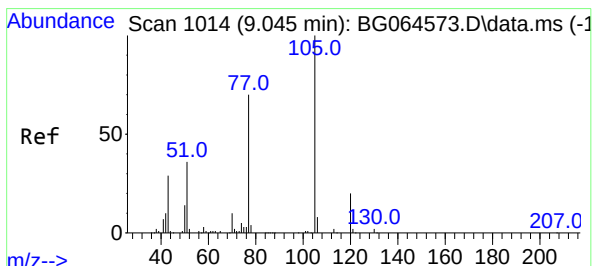
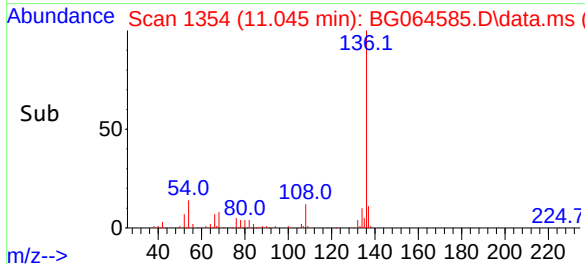
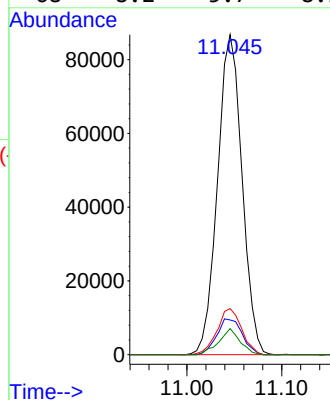
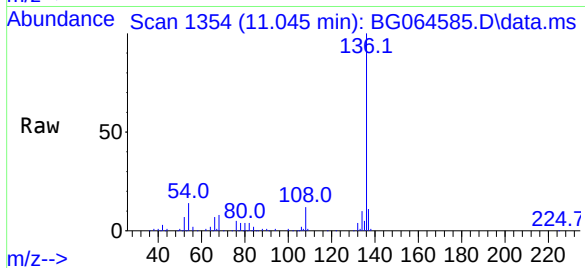
68 8.2 5.7 8.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025



#22

Acetophenone

Concen: 42.011 ng

RT: 9.042 min Scan# 1013

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Tgt Ion:105 Resp: 179107

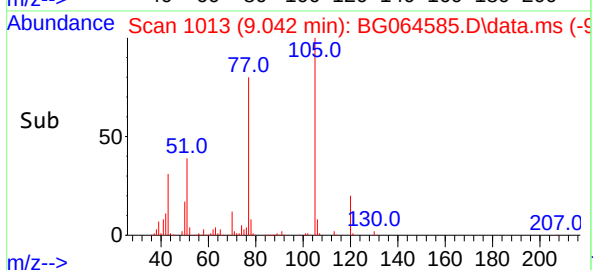
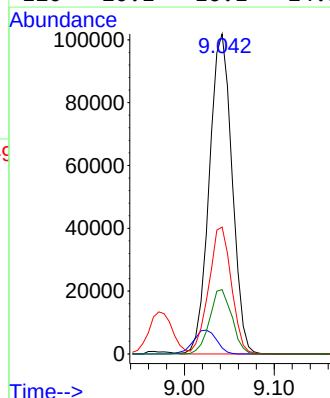
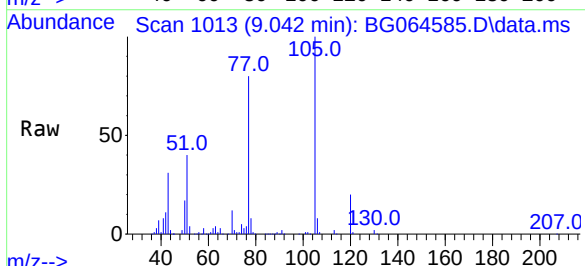
Ion Ratio Lower Upper

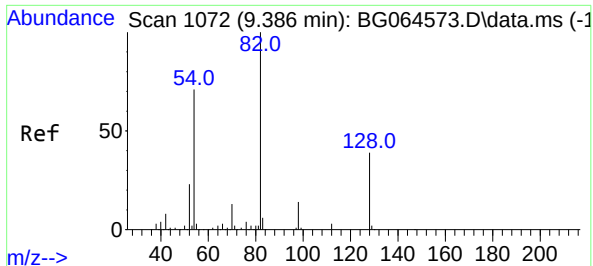
105 100

71 1.9 1.5 2.3

51 39.6 33.7 50.5

120 20.1 16.1 24.1





#23

Nitrobenzene-d5

Concen: 83.302 ng

RT: 9.383 min Scan# 1071

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

Tgt Ion: 82 Resp: 216302

Ion Ratio Lower Upper

82 100

128 37.1 31.3 46.9

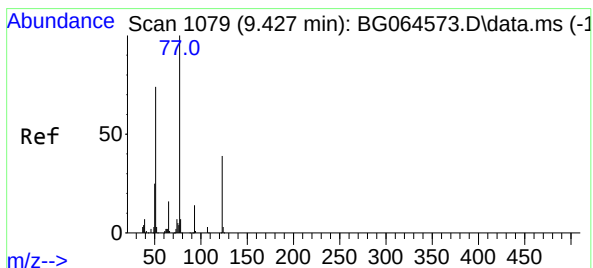
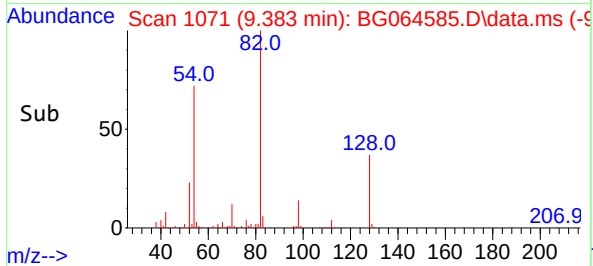
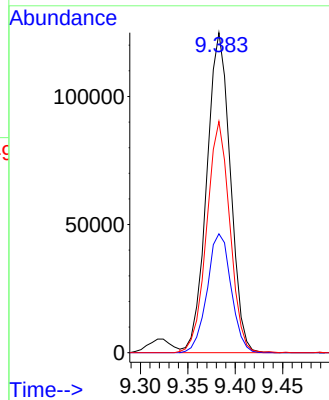
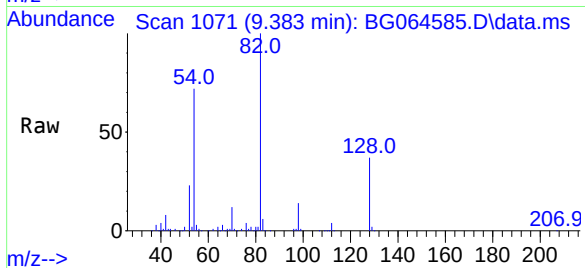
54 72.3 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025



#24

Nitrobenzene

Concen: 40.598 ng

RT: 9.424 min Scan# 1078

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

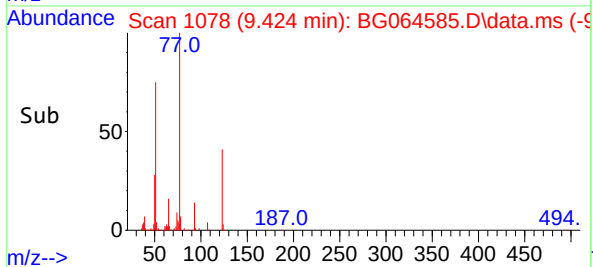
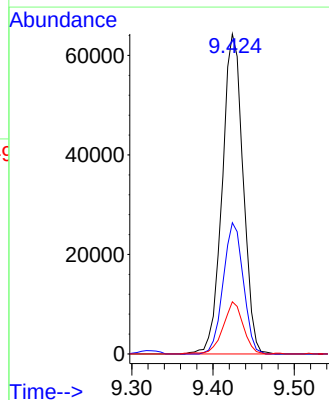
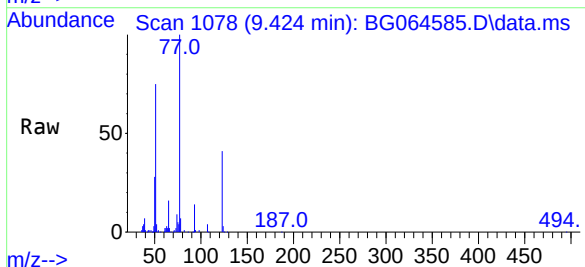
Tgt Ion: 77 Resp: 114657

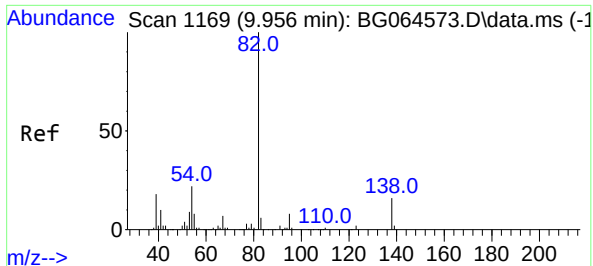
Ion Ratio Lower Upper

77 100

123 41.0 31.0 46.6

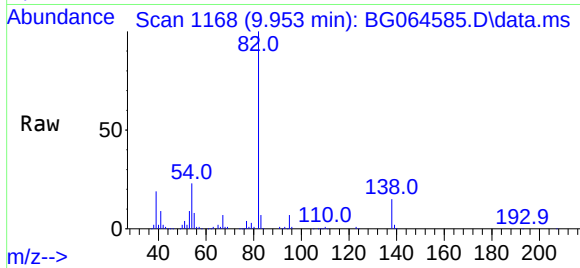
65 16.3 12.7 19.1





#25
Isophorone
Concen: 39.607 ng
RT: 9.953 min Scan# 1169
Delta R.T. -0.013 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

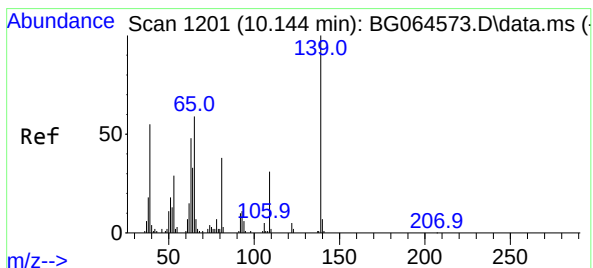
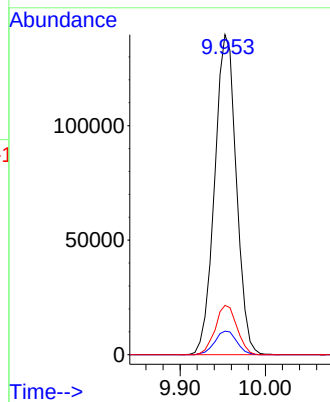
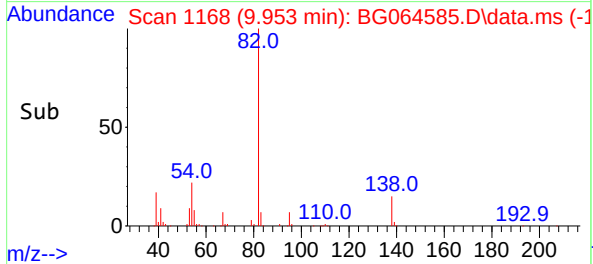
Instrument :
BNA_G
ClientSampleId :
PB170222BS



Tgt Ion: 82 Resp: 24677
Ion Ratio Lower Upper
82 100
95 7.4 6.1 9.1
138 15.4 13.0 19.4

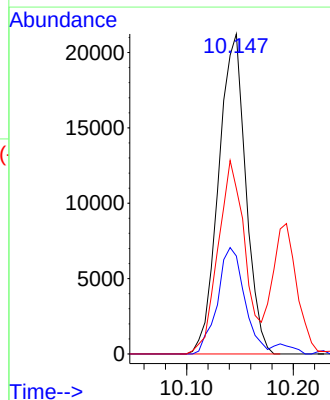
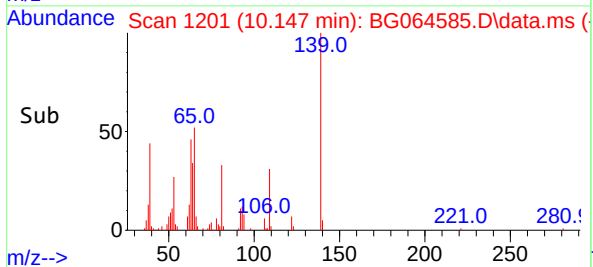
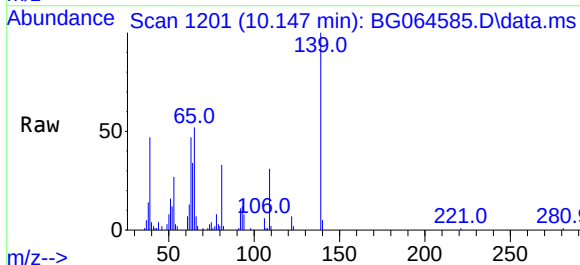
Manual Integrations
APPROVED

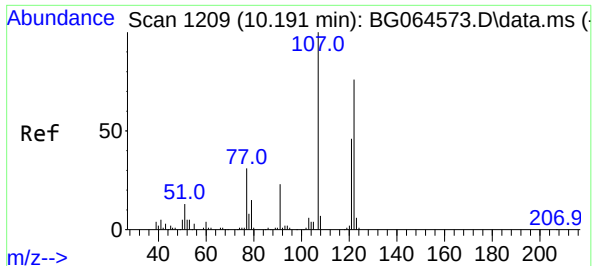
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#26
2-Nitrophenol
Concen: 35.348 ng
RT: 10.147 min Scan# 1201
Delta R.T. -0.002 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Tgt Ion:139 Resp: 37556
Ion Ratio Lower Upper
139 100
109 30.6 24.6 37.0
65 51.7 47.5 71.3





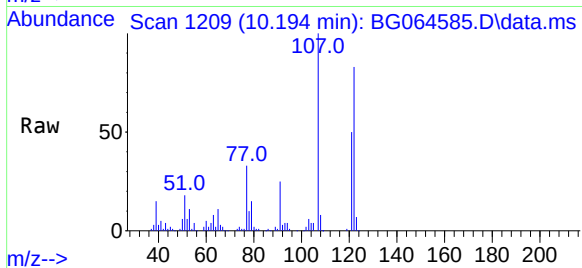
#27
2,4-Dimethylphenol
Concen: 48.938 ng
RT: 10.194 min Scan# 11569
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

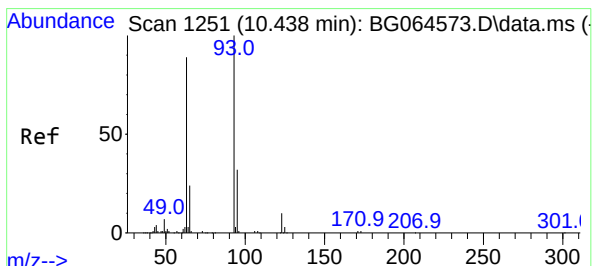
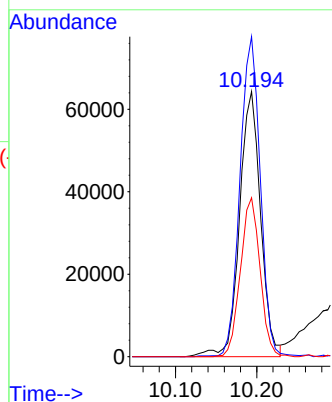
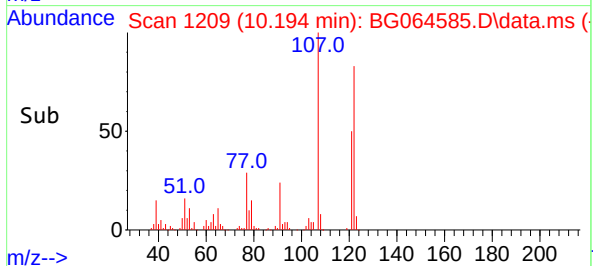


Tgt Ion:122 Resp: 11569
Ion Ratio Lower Upper
122 100
107 120.7 103.0 154.4
121 59.9 47.8 71.8

Manual Integrations

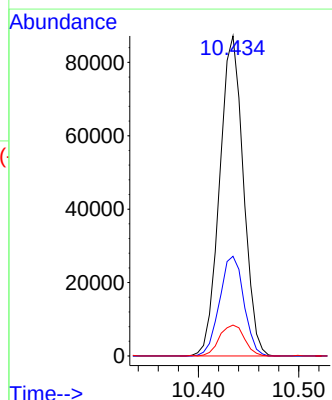
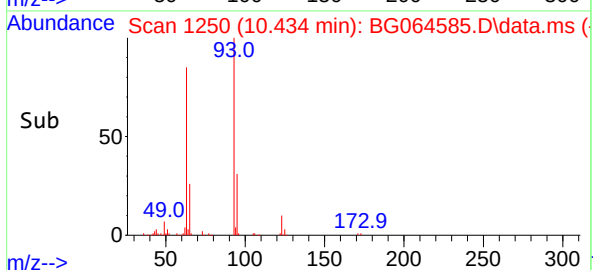
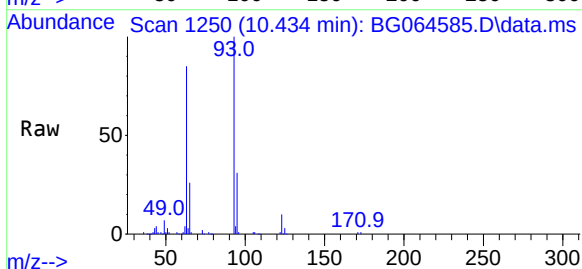
APPROVED

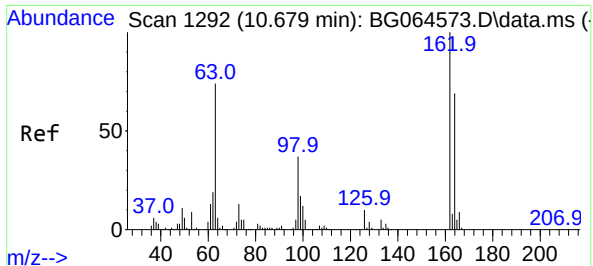
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#28
bis(2-Chloroethoxy)methane
Concen: 40.240 ng
RT: 10.434 min Scan# 1250
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Tgt Ion: 93 Resp: 142754
Ion Ratio Lower Upper
93 100
95 31.2 25.4 38.2
123 9.6 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 44.759 ng

RT: 10.675 min Scan# 1292

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

Tgt Ion:162 Resp: 111640

Ion Ratio Lower Upper

162 100

164 65.0 48.7 88.7

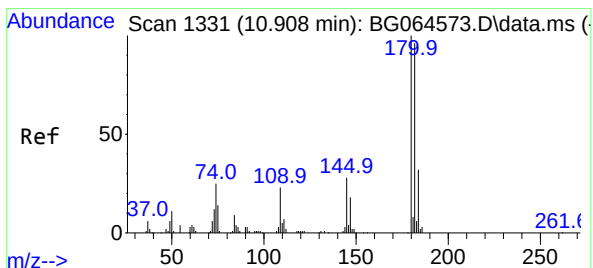
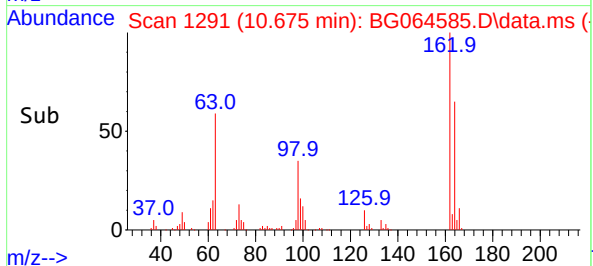
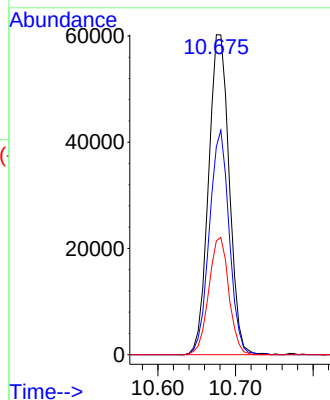
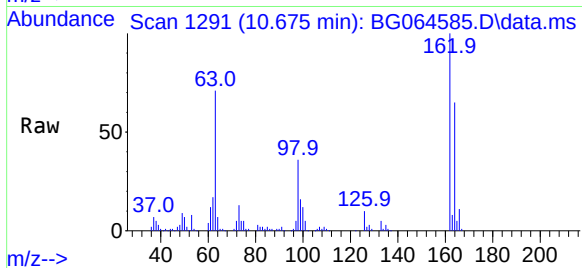
98 35.6 16.9 56.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025



#30

1,2,4-Trichlorobenzene

Concen: 41.766 ng

RT: 10.904 min Scan# 1330

Delta R.T. -0.001 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

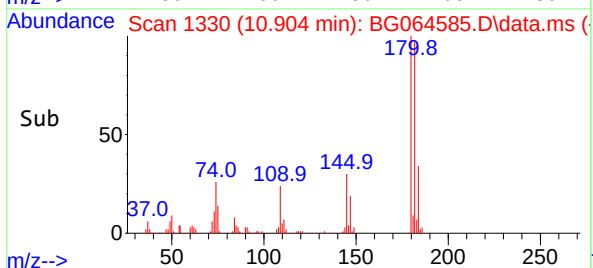
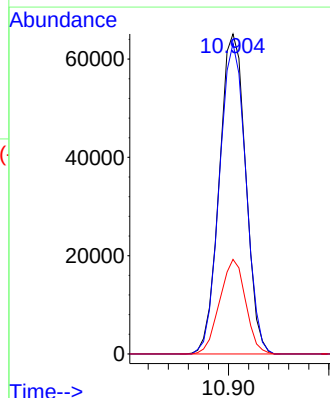
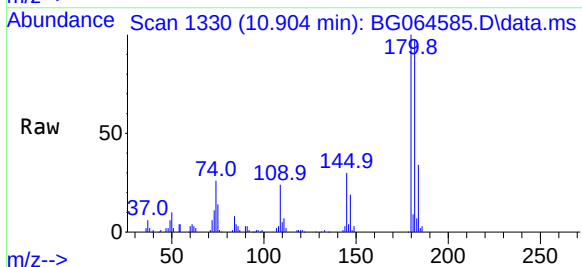
Tgt Ion:180 Resp: 118363

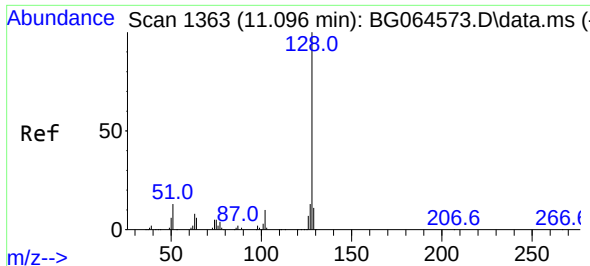
Ion Ratio Lower Upper

180 100

182 97.1 76.9 115.3

145 29.5 22.1 33.1





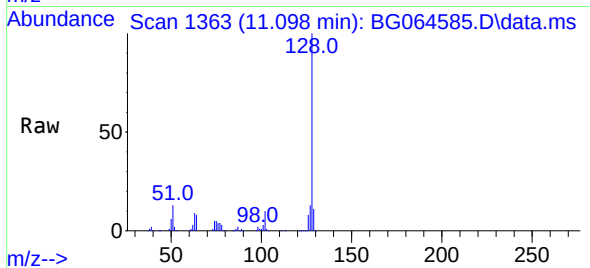
#31
Naphthalene
Concen: 39.255 ng
RT: 11.098 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

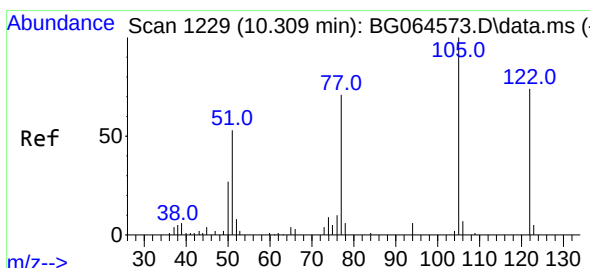
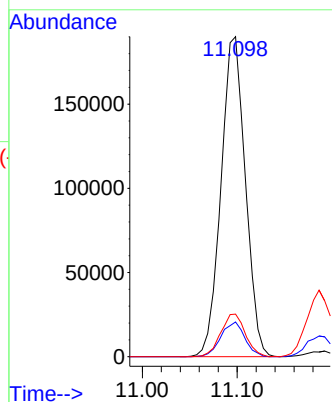
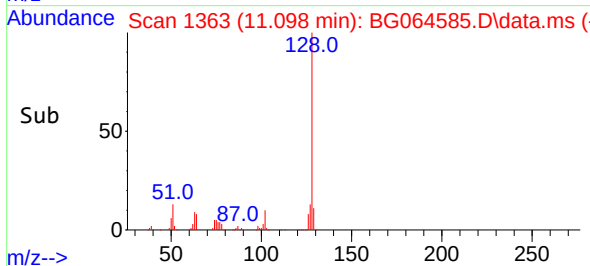


Tgt Ion:128 Resp: 33943
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.3 10.6 15.8

Manual Integrations

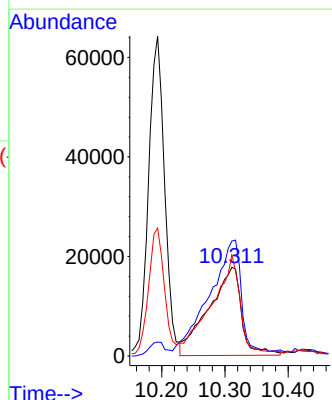
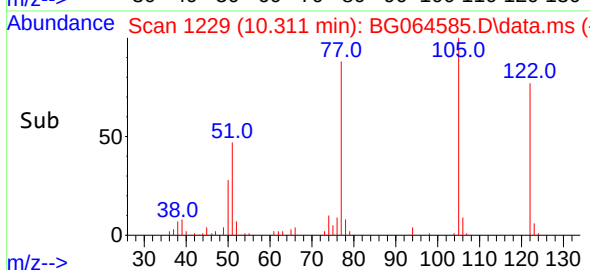
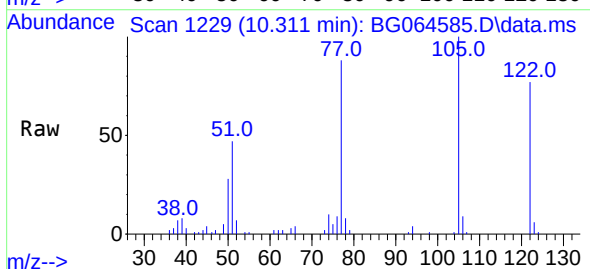
APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

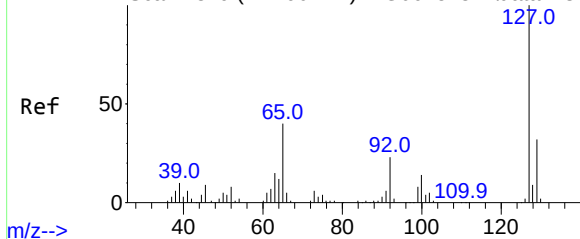


#32
Benzoic acid
Concen: 39.123 ng
RT: 10.311 min Scan# 1229
Delta R.T. -0.031 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Tgt Ion:122 Resp: 64118
Ion Ratio Lower Upper
122 100
105 129.7 104.2 144.2
77 113.8 70.2 110.2#



Abundance Scan 1379 (11.190 min): BG064573.D\data.ms (



#33

4-Chloroaniline

Concen: 20.838 ng

RT: 11.186 min Scan# 11

Delta R.T. -0.001 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Instrument :

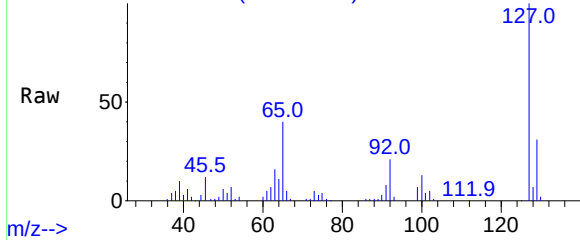
BNA_G

ClientSampleId :

PB170222BS

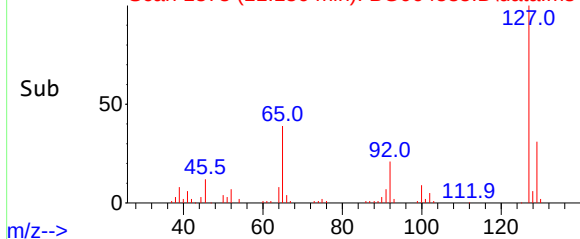
m/z-->

Abundance Scan 1378 (11.186 min): BG064585.D\data.ms



m/z-->

Abundance Scan 1378 (11.186 min): BG064585.D\data.ms (



m/z-->

Tgt Ion:127 Resp: 70034

Ion Ratio Lower Upper

127 100

129 30.9 25.5 38.3

65 39.7 32.2 48.4

92 20.6 18.2 27.2

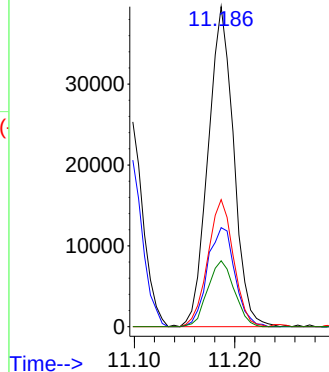
Manual Integrations

APPROVED

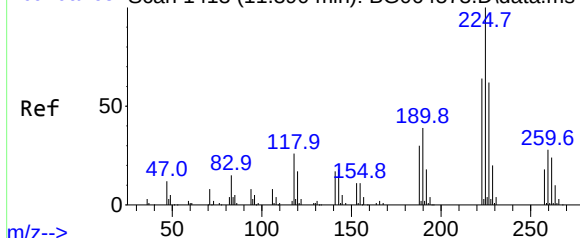
Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025

Abundance

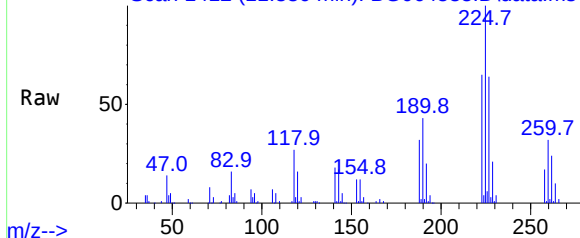


Abundance Scan 1413 (11.390 min): BG064573.D\data.ms (



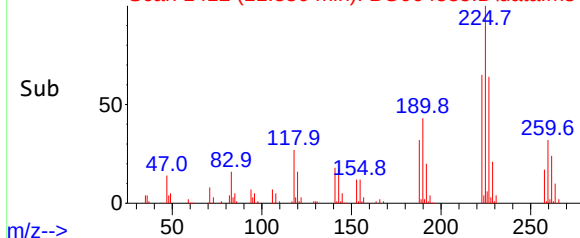
m/z-->

Abundance Scan 1412 (11.386 min): BG064585.D\data.ms



m/z-->

Abundance Scan 1412 (11.386 min): BG064585.D\data.ms (



m/z-->

#34

Hexachlorobutadiene

Concen: 39.103 ng

RT: 11.386 min Scan# 1412

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Tgt Ion:225 Resp: 86664

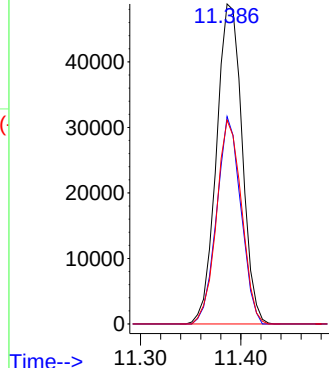
Ion Ratio Lower Upper

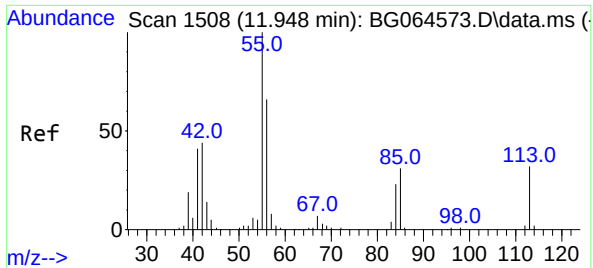
225 100

223 61.3 48.8 73.2

227 62.9 49.5 74.3

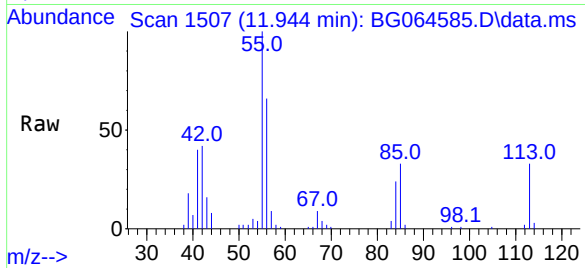
Abundance





#35
Caprolactam
Concen: 39.072 ng m
RT: 11.944 min Scan# 11
Delta R.T. -0.031 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

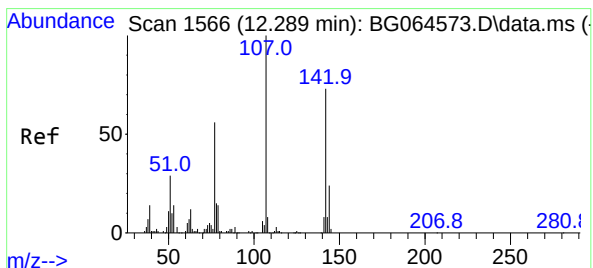
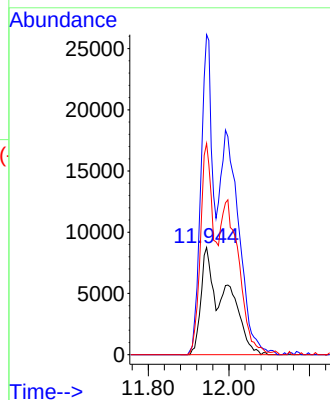
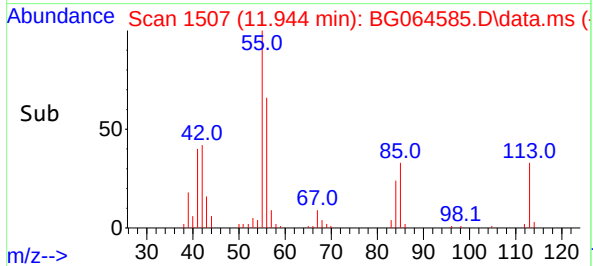
Instrument :
BNA_G
ClientSampleId :
PB170222BS



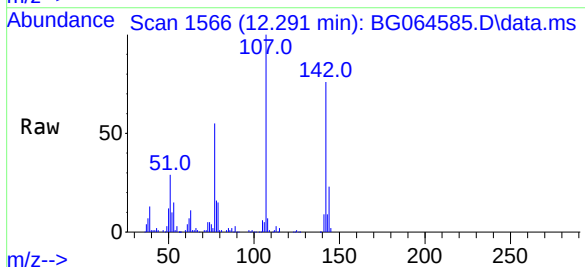
Tgt Ion:113 Resp: 37378
Ion Ratio Lower Upper
113 100
55 298.5 290.1 330.1
56 197.1 183.8 223.8

Manual Integrations
APPROVED

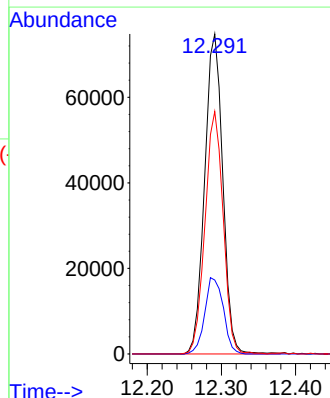
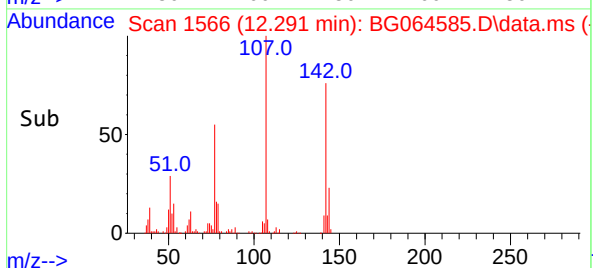
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



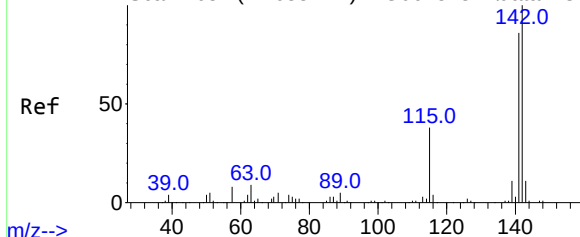
#36
4-Chloro-3-methylphenol
Concen: 42.436 ng
RT: 12.291 min Scan# 1566
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19



Tgt Ion:107 Resp: 127228
Ion Ratio Lower Upper
107 100
144 23.1 19.1 28.7
142 75.8 58.6 87.8



Abundance Scan 1634 (12.688 min): BG064573.D\data.ms (



#37
2-Methylnaphthalene
Concen: 36.618 ng
RT: 12.691 min Scan# 1634
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

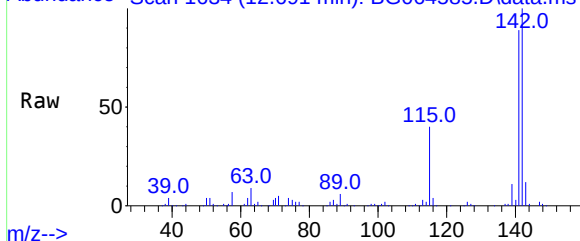
Instrument :

BNA_G

ClientSampleId :

PB170222BS

m/z--> Abundance Scan 1634 (12.691 min): BG064585.D\data.ms



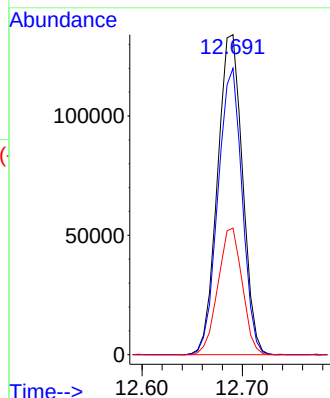
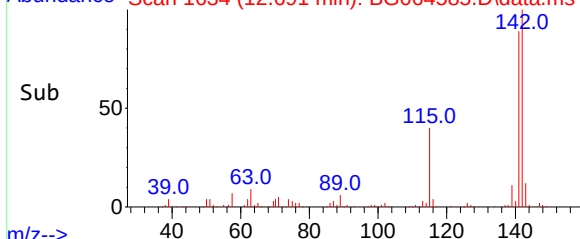
Tgt Ion:142 Resp: 232465
Ion Ratio Lower Upper
142 100
141 89.5 68.9 103.3
115 39.6 30.6 46.0

Manual Integrations

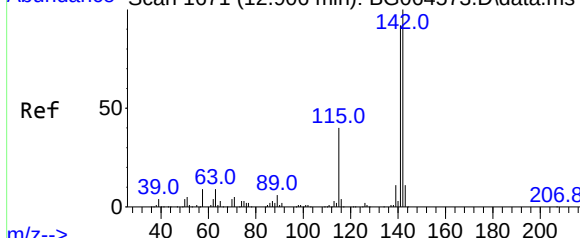
APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

Abundance Scan 1634 (12.691 min): BG064585.D\data.ms (

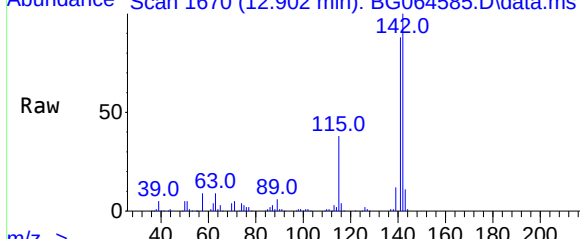


Abundance Scan 1671 (12.906 min): BG064573.D\data.ms (



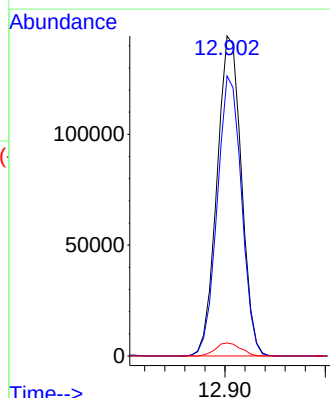
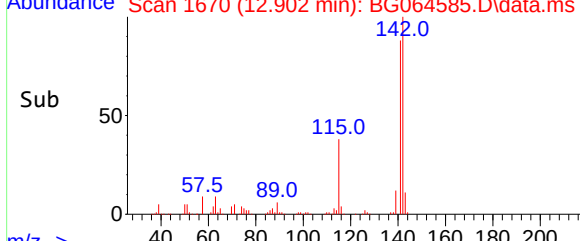
#38
1-Methylnaphthalene
Concen: 38.975 ng
RT: 12.902 min Scan# 1670
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

m/z--> Abundance Scan 1670 (12.902 min): BG064585.D\data.ms

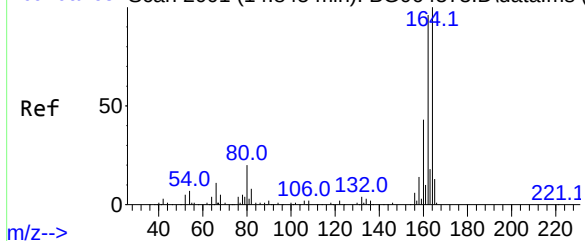


Tgt Ion:142 Resp: 243465
Ion Ratio Lower Upper
142 100
141 87.5 73.3 109.9
116 4.1 3.1 4.7

Abundance Scan 1670 (12.902 min): BG064585.D\data.ms (



Abundance Scan 2001 (14.845 min): BG064573.D\data.ms (



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.841 min Scan# 2001

Delta R.T. -0.001 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

Tgt Ion:164 Resp: 12506

Ion Ratio Lower Upper

164 100

162 102.7 77.0 115.6

160 43.4 34.4 51.6

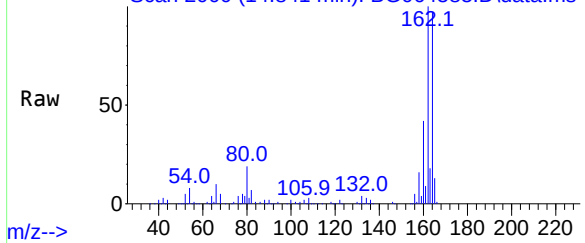
Manual Integrations

APPROVED

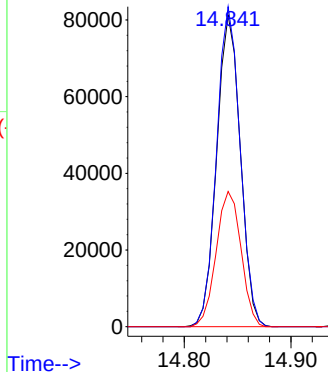
Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025

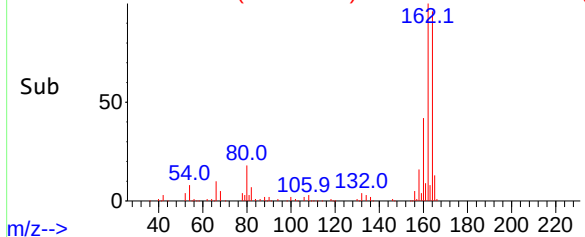
Abundance Scan 2000 (14.841 min): BG064585.D\data.ms



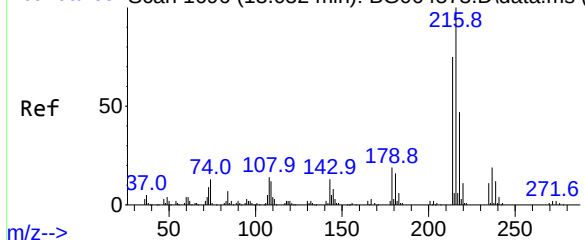
Abundance



Abundance Scan 2000 (14.841 min): BG064585.D\data.ms (



Abundance Scan 1696 (13.052 min): BG064573.D\data.ms (



#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.947 ng

RT: 13.049 min Scan# 1695

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Tgt Ion:216 Resp: 171867

Ion Ratio Lower Upper

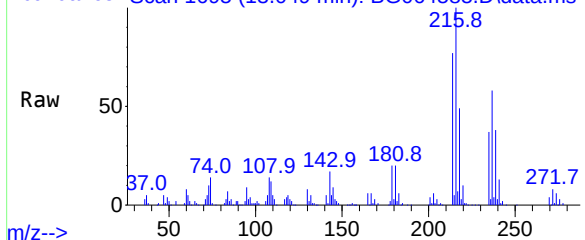
216 100

214 78.0 61.4 92.2

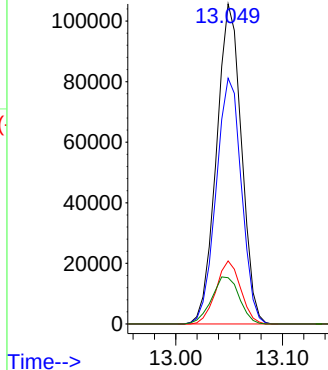
179 19.4 15.4 23.0

108 16.3 11.8 17.6

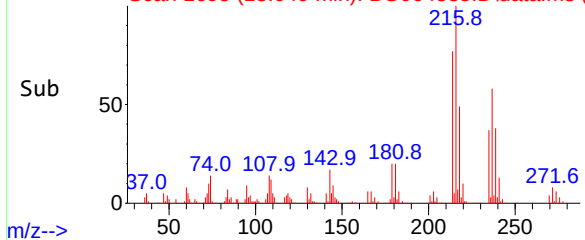
Abundance Scan 1695 (13.049 min): BG064585.D\data.ms



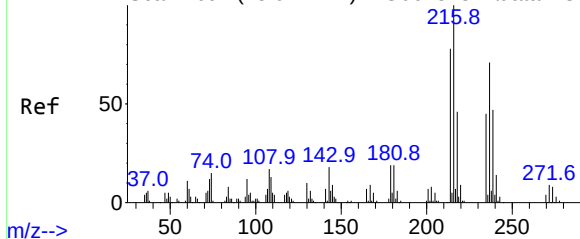
Abundance



Abundance Scan 1695 (13.049 min): BG064585.D\data.ms (



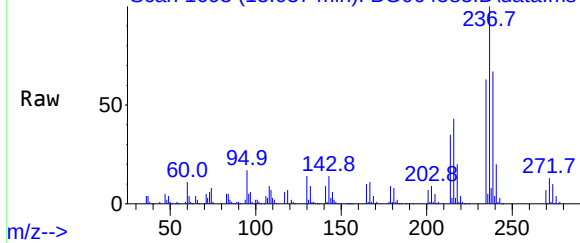
Abundance Scan 1694 (13.041 min): BG064573.D\data.ms (



#41
Hexachlorocyclopentadiene
Concen: 98.243 ng
RT: 13.037 min Scan# 1693
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Instrument :
BNA_G
ClientSampleId :
PB170222BS

Abundance Scan 1693 (13.037 min): BG064585.D\data.ms

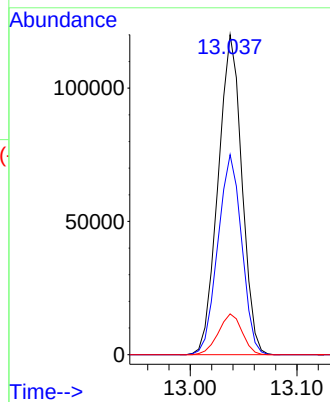
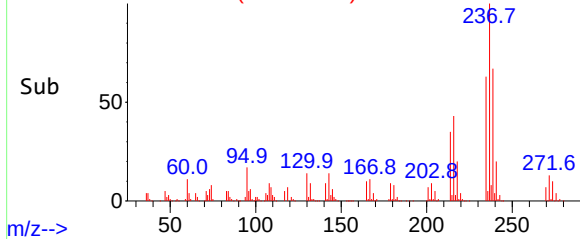


Tgt Ion: 237 Resp: 18560
Ion Ratio Lower Upper
237 100
235 62.5 44.1 84.1
272 12.7 0.0 32.4

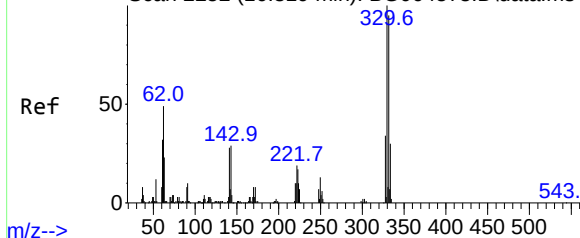
Manual Integrations
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Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

Abundance Scan 1693 (13.037 min): BG064585.D\data.ms (



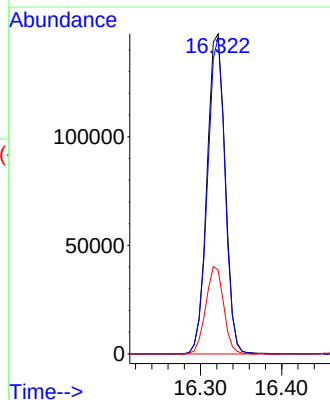
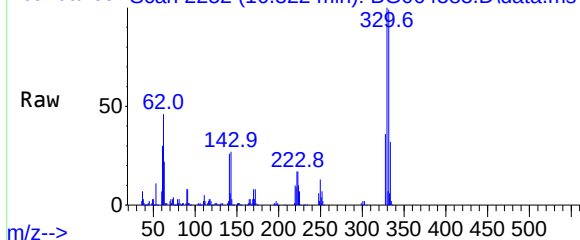
Abundance Scan 2252 (16.319 min): BG064573.D\data.ms (



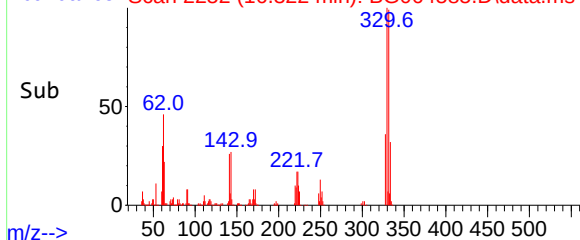
#42
2,4,6-Tribromophenol
Concen: 126.650 ng
RT: 16.322 min Scan# 2252
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Tgt Ion: 330 Resp: 228615
Ion Ratio Lower Upper
330 100
332 95.8 78.0 117.0
141 26.9 21.8 32.6

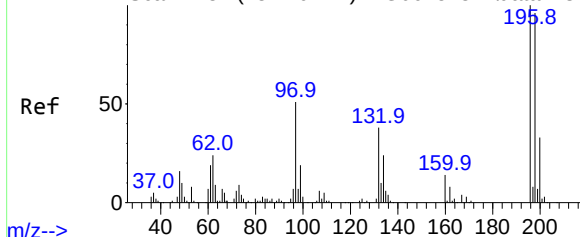
Abundance Scan 2252 (16.322 min): BG064585.D\data.ms



Abundance Scan 2252 (16.322 min): BG064585.D\data.ms (



Abundance Scan 1734 (13.276 min): BG064573.D\data.ms (



#43
2,4,6-Trichlorophenol
Concen: 43.543 ng
RT: 13.278 min Scan# 1734
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

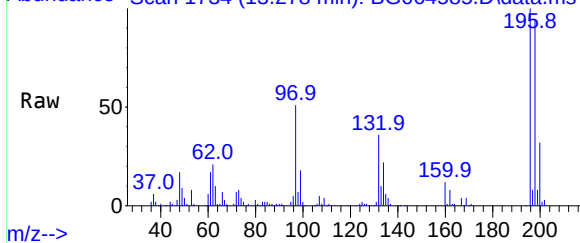
Instrument :

BNA_G

ClientSampleId :

PB170222BS

m/z--> Abundance Scan 1734 (13.278 min): BG064585.D\data.ms



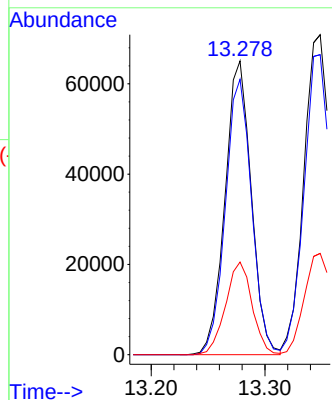
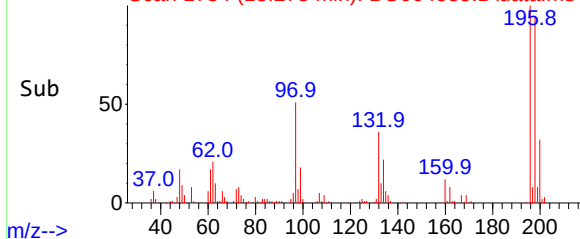
Tgt Ion:196 Resp: 104542
Ion Ratio Lower Upper
196 100
198 93.7 76.6 115.0
200 31.5 26.0 39.0

Manual Integrations

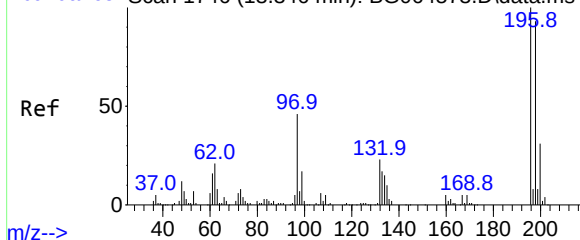
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Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

Abundance Scan 1734 (13.278 min): BG064585.D\data.ms (



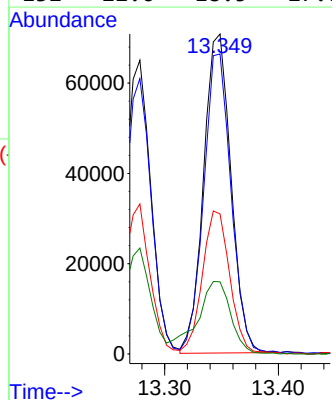
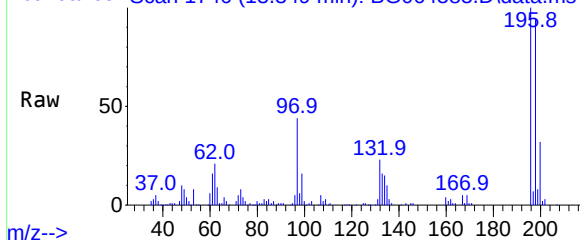
Abundance Scan 1746 (13.346 min): BG064573.D\data.ms (



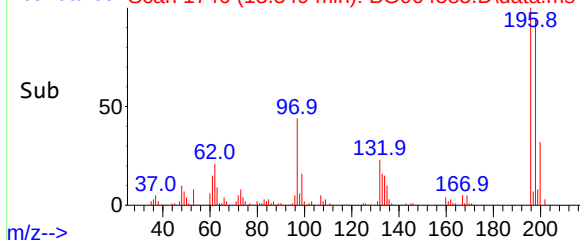
#44
2,4,5-Trichlorophenol
Concen: 42.754 ng
RT: 13.349 min Scan# 1746
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

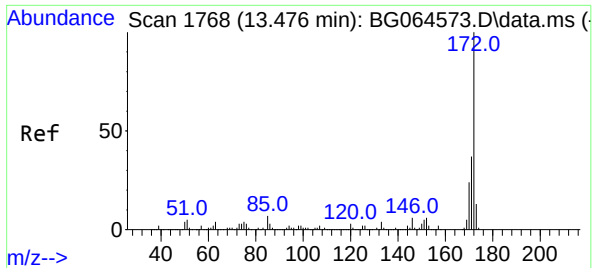
Tgt Ion:196 Resp: 118455
Ion Ratio Lower Upper
196 100
198 93.8 74.2 111.4
97 43.7 37.0 55.6
132 22.6 18.5 27.7

m/z--> Abundance Scan 1746 (13.349 min): BG064585.D\data.ms



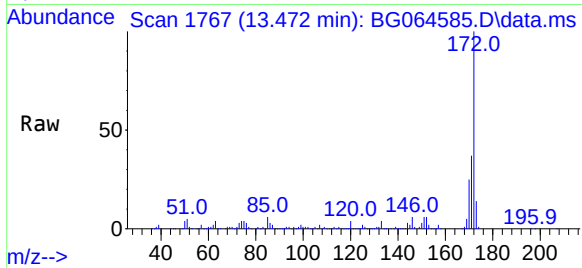
Abundance Scan 1746 (13.349 min): BG064585.D\data.ms (





#45
2-Fluorobiphenyl
Concen: 80.119 ng
RT: 13.472 min Scan# 1768
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

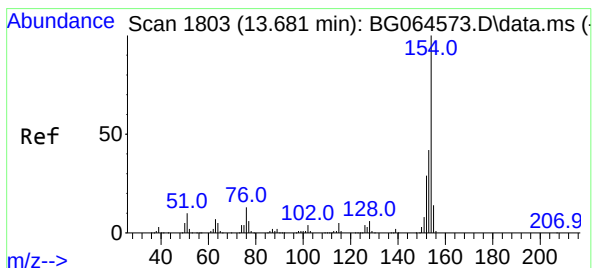
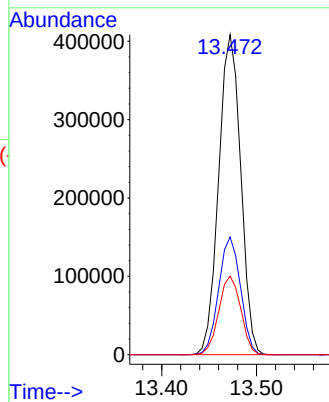
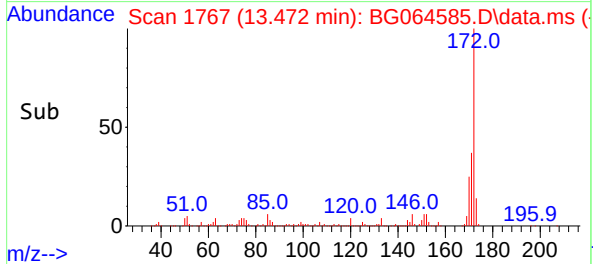
Instrument :
BNA_G
ClientSampleId :
PB170222BS



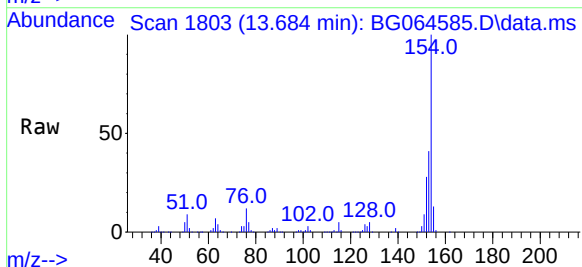
Tgt Ion:172 Resp: 66107
Ion Ratio Lower Upper
172 100
171 36.7 29.4 44.0
170 24.5 19.1 28.7

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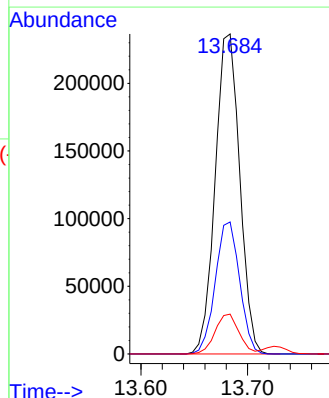
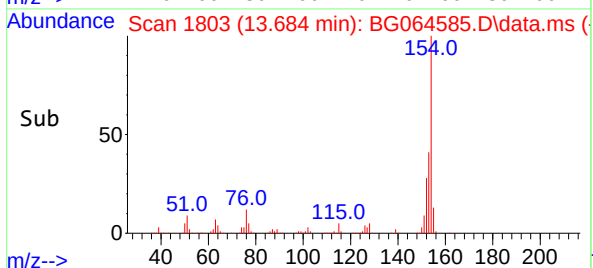
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



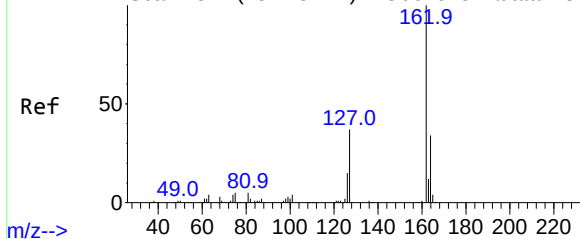
#46
1,1'-Biphenyl
Concen: 42.422 ng
RT: 13.684 min Scan# 1803
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19



Tgt Ion:154 Resp: 377195
Ion Ratio Lower Upper
154 100
153 41.2 22.4 62.4
76 12.4 0.0 33.5



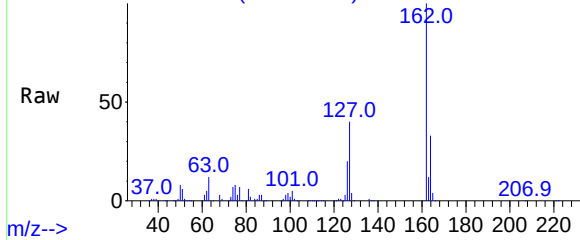
Abundance Scan 1811 (13.728 min): BG064573.D\data.ms (



#47
2-Chloronaphthalene
Concen: 39.345 ng
RT: 13.725 min Scan# 1811
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Instrument :
BNA_G
ClientSampleId :
PB170222BS

Abundance Scan 1810 (13.725 min): BG064585.D\data.ms

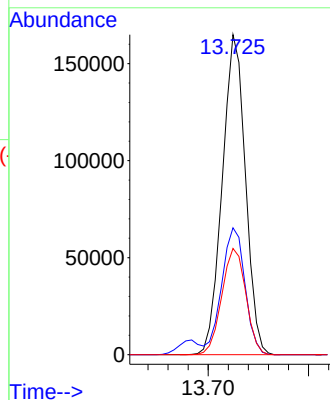
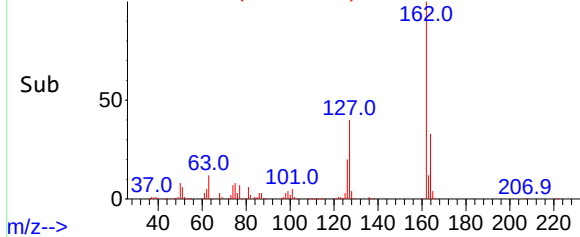


Tgt Ion:162 Resp: 264060
Ion Ratio Lower Upper
162 100
127 39.7 32.2 48.2
164 33.2 27.5 41.3

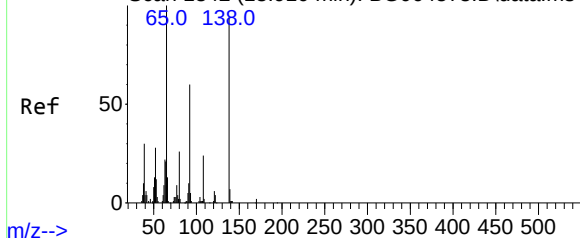
Manual Integrations
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Supervised By :Jagrut Upadhyay 10/28/2025

Abundance Scan 1810 (13.725 min): BG064585.D\data.ms (



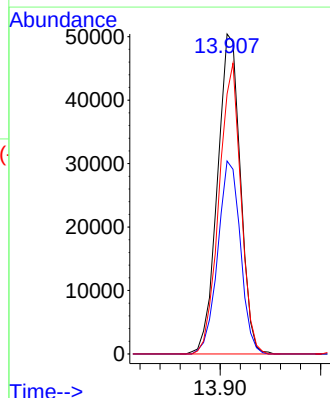
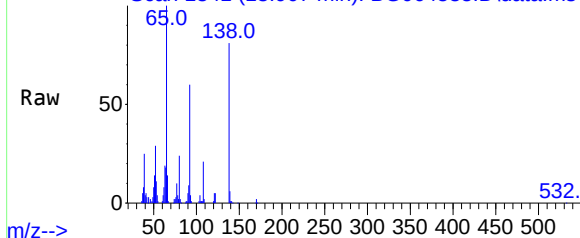
Abundance Scan 1842 (13.910 min): BG064573.D\data.ms (



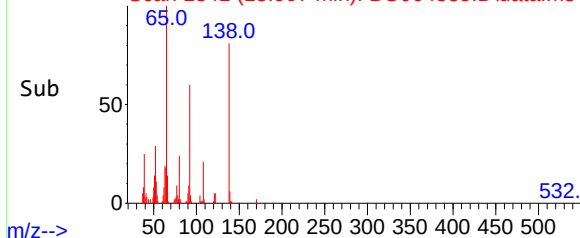
#48
2-Nitroaniline
Concen: 36.321 ng
RT: 13.907 min Scan# 1841
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Tgt Ion: 65 Resp: 79939
Ion Ratio Lower Upper
65 100
92 60.3 48.3 72.5
138 81.3 74.9 112.3

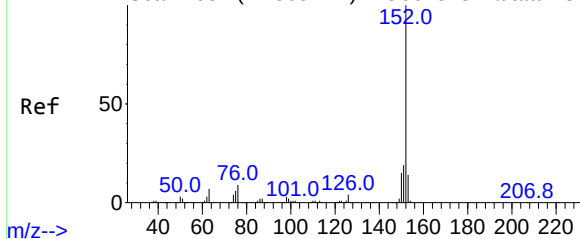
Abundance Scan 1841 (13.907 min): BG064585.D\data.ms



Abundance Scan 1841 (13.907 min): BG064585.D\data.ms (



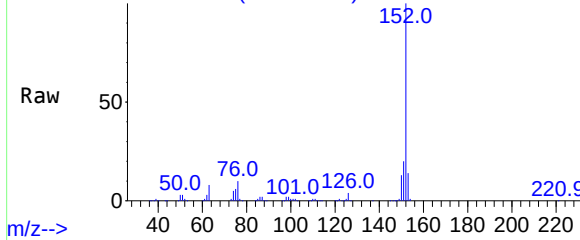
Abundance Scan 1954 (14.568 min): BG064573.D\data.ms (



#49
Acenaphthylene
Concen: 45.049 ng
RT: 14.565 min Scan# 1954
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Instrument :
BNA_G
ClientSampleId :
PB170222BS

Abundance Scan 1953 (14.565 min): BG064585.D\data.ms (

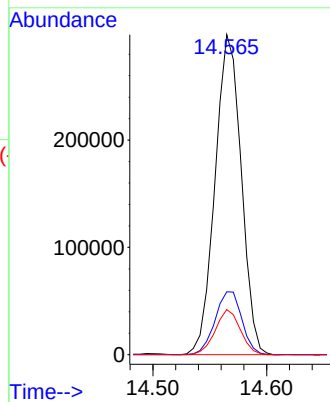
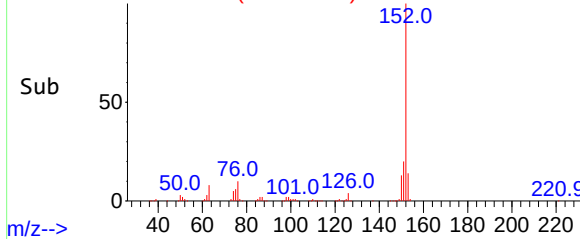


Tgt Ion:152 Resp: 476895
Ion Ratio Lower Upper
152 100
151 19.7 15.4 23.2
153 14.1 11.0 16.4

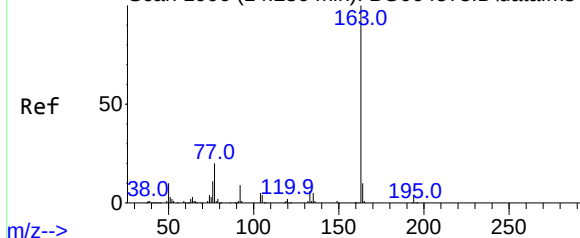
Manual Integrations
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Supervised By :Jagrut Upadhyay 10/28/2025

Abundance Scan 1953 (14.565 min): BG064585.D\data.ms (



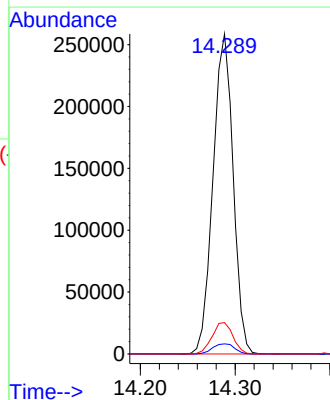
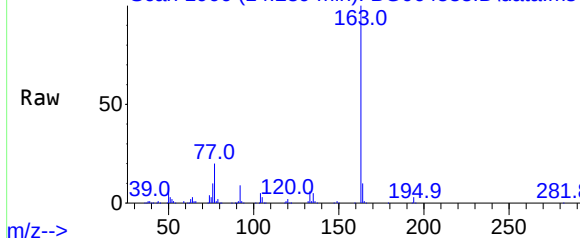
Abundance Scan 1906 (14.286 min): BG064573.D\data.ms (



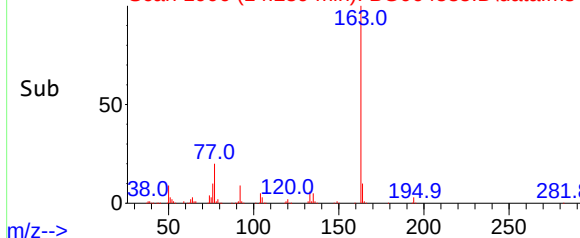
#50
Dimethylphthalate
Concen: 39.792 ng
RT: 14.289 min Scan# 1906
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Tgt Ion:163 Resp: 380815
Ion Ratio Lower Upper
163 100
194 3.2 2.8 4.2
164 9.8 7.7 11.5

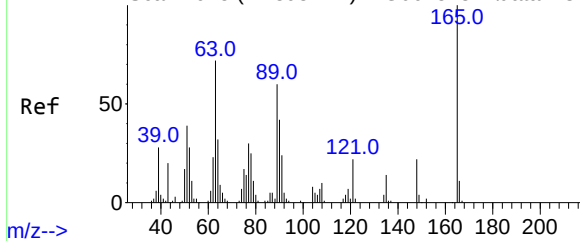
Abundance Scan 1906 (14.289 min): BG064585.D\data.ms (



Abundance Scan 1906 (14.289 min): BG064585.D\data.ms (



Abundance Scan 1925 (14.398 min): BG064573.D\data.ms (



#51
2,6-Dinitrotoluene
Concen: 41.306 ng
RT: 14.400 min Scan# 1925
Delta R.T. -0.002 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

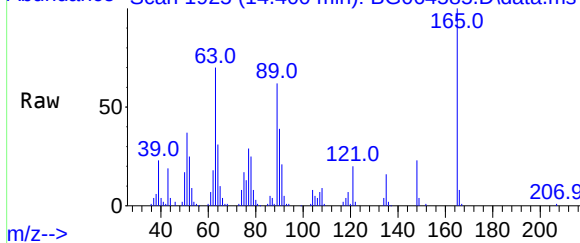
Instrument :

BNA_G

ClientSampleId :

PB170222BS

Abundance Scan 1925 (14.400 min): BG064585.D\data.ms



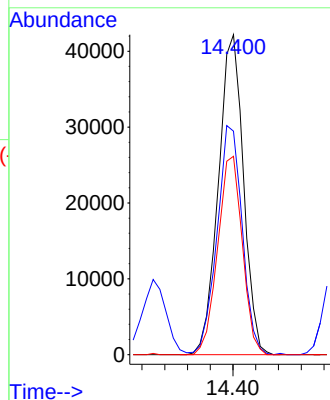
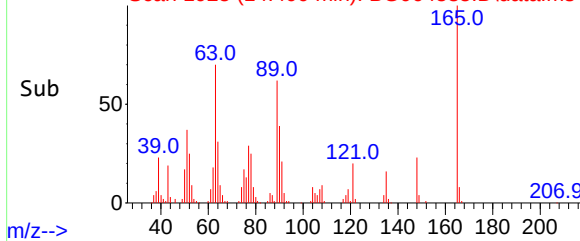
Tgt Ion:165 Resp: 64472
Ion Ratio Lower Upper
165 100
63 69.8 57.4 86.0
89 62.0 47.8 71.8

Manual Integrations

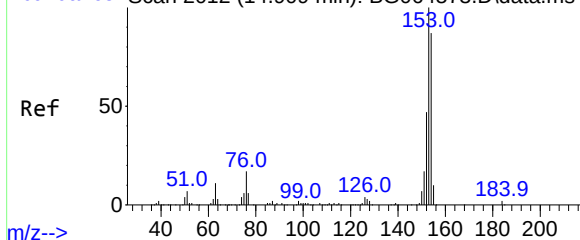
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Supervised By :Jagrut Upadhyay 10/28/2025

Abundance Scan 1925 (14.400 min): BG064585.D\data.ms (



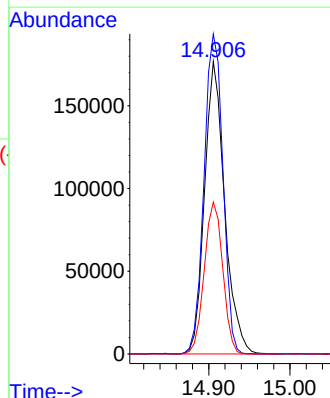
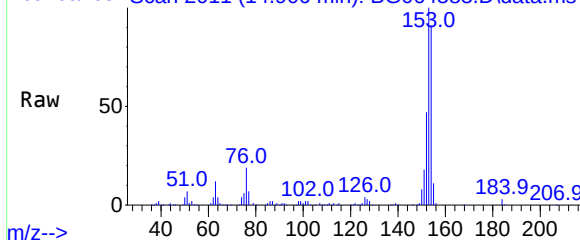
Abundance Scan 1212 (14.909 min): BG064573.D\data.ms (



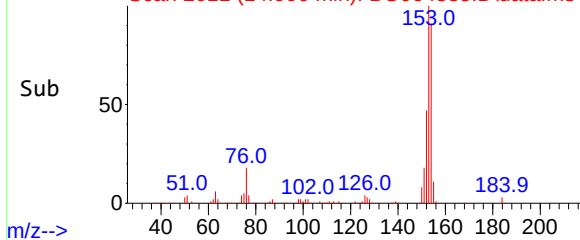
#52
Acenaphthene
Concen: 41.995 ng
RT: 14.906 min Scan# 2011
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

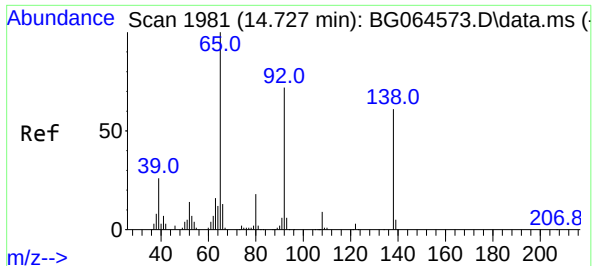
Tgt Ion:154 Resp: 303736
Ion Ratio Lower Upper
154 100
153 109.5 92.2 138.4
152 52.0 43.2 64.8

Abundance Scan 2011 (14.906 min): BG064585.D\data.ms



Abundance Scan 2011 (14.906 min): BG064585.D\data.ms (





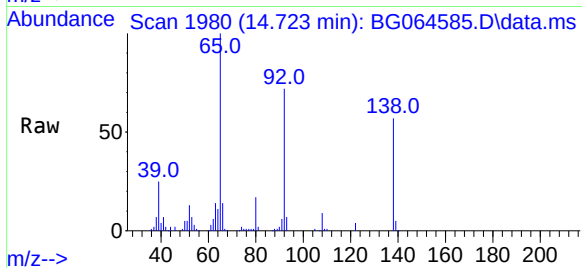
#53
3-Nitroaniline
Concen: 29.254 ng
RT: 14.723 min Scan# 1981
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

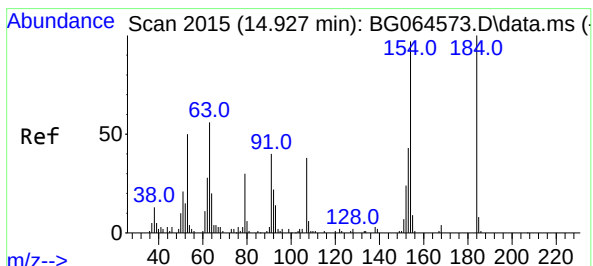
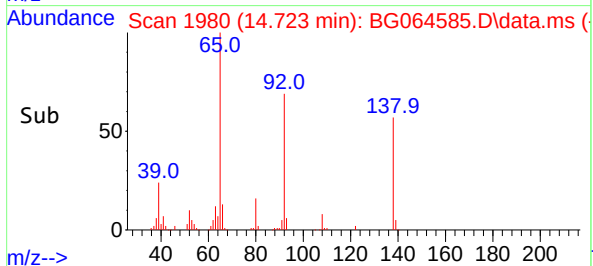
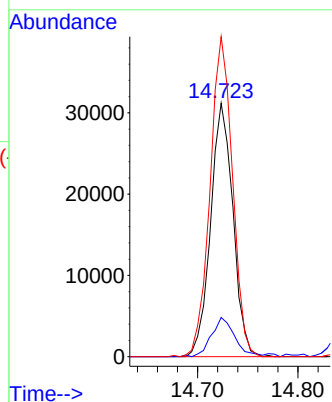


Tgt Ion:138 Resp: 48114
Ion Ratio Lower Upper
138 100
108 15.5 11.4 17.0
92 126.2 95.3 142.9

Manual Integrations

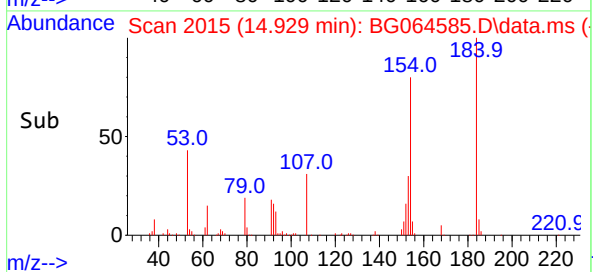
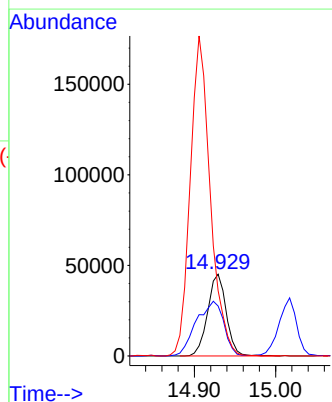
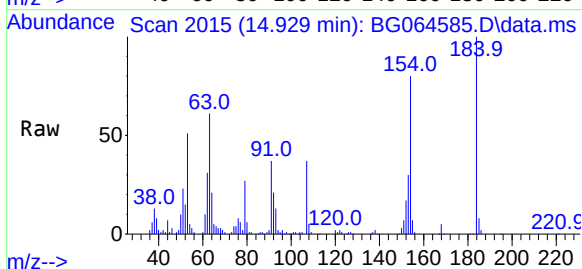
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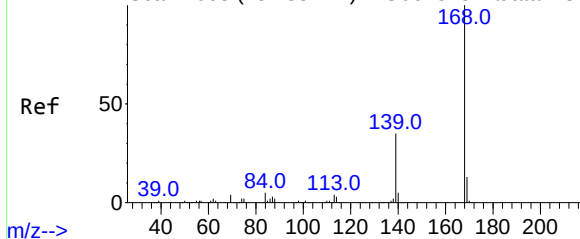


#54
2,4-Dinitrophenol
Concen: 74.300 ng
RT: 14.929 min Scan# 2015
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Tgt Ion:184 Resp: 71581
Ion Ratio Lower Upper
184 100
63 60.9 56.6 85.0
154 79.8 158.6 238.0#



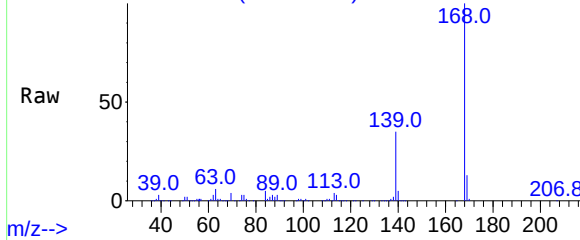
Abundance Scan 2068 (15.238 min): BG064573.D\data.ms (



#55
Dibenzofuran
Concen: 39.839 ng
RT: 15.241 min Scan# 2068
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Instrument :
BNA_G
ClientSampleId :
PB170222BS

Abundance Scan 2068 (15.241 min): BG064585.D\data.ms

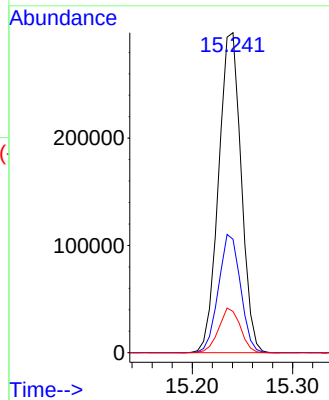
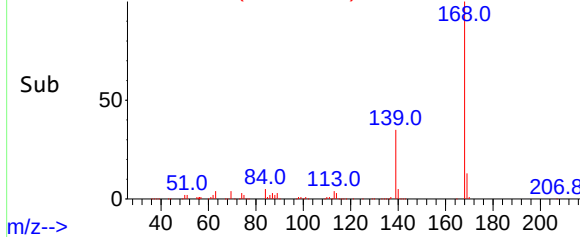


Tgt Ion:168 Resp: 46584
Ion Ratio Lower Upper
168 100
139 35.5 27.8 41.8
169 12.9 10.3 15.5

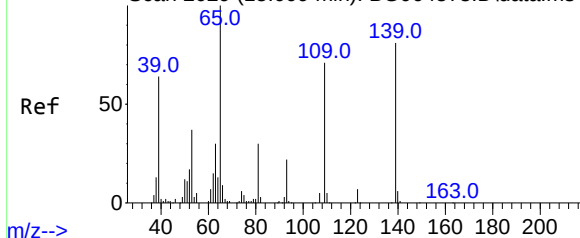
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Supervised By :Jagrut Upadhyay 10/28/2025

Abundance Scan 2068 (15.241 min): BG064585.D\data.ms (



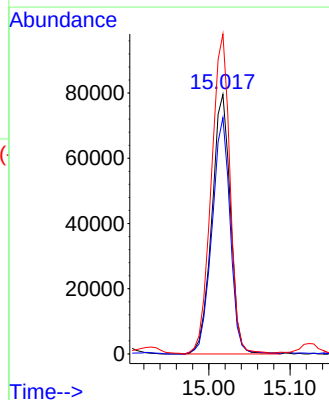
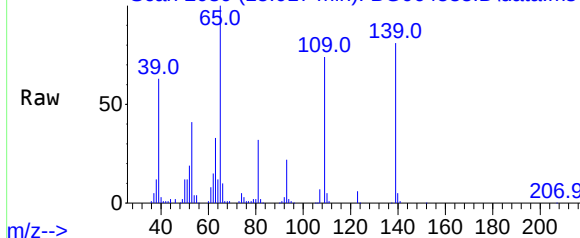
Abundance Scan 2029 (15.009 min): BG064573.D\data.ms (



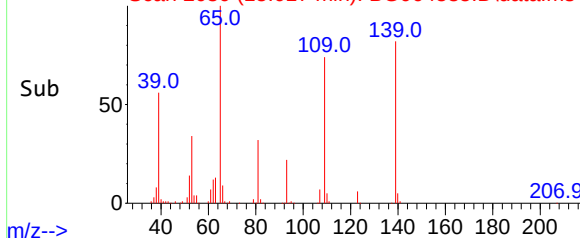
#56
4-Nitrophenol
Concen: 82.675 ng
RT: 15.017 min Scan# 2030
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

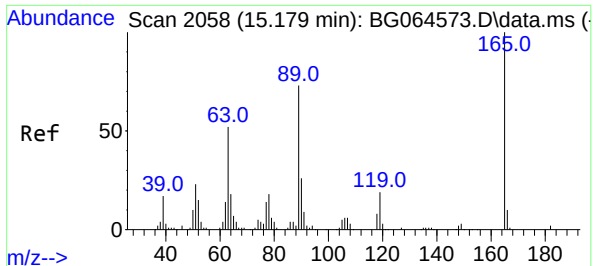
Tgt Ion:139 Resp: 126067
Ion Ratio Lower Upper
139 100
109 91.0 67.8 107.8
65 123.3 103.7 143.7

Abundance Scan 2030 (15.017 min): BG064585.D\data.ms



Abundance Scan 2030 (15.017 min): BG064585.D\data.ms (





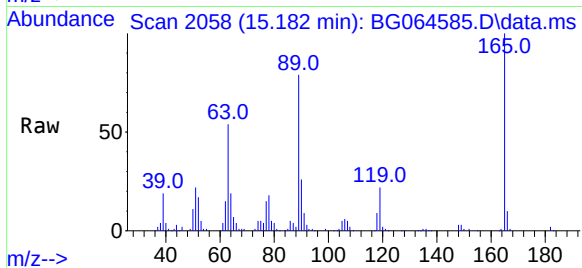
#57
2,4-Dinitrotoluene
Concen: 38.990 ng
RT: 15.182 min Scan# 2058
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

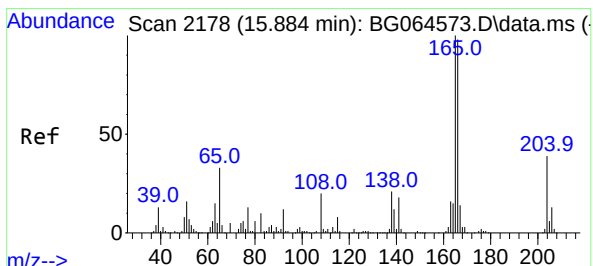
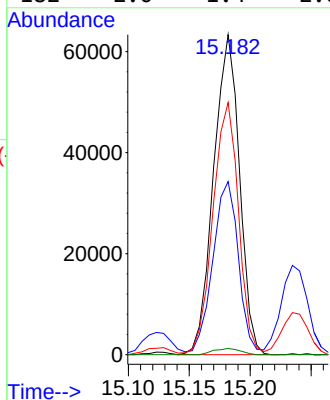
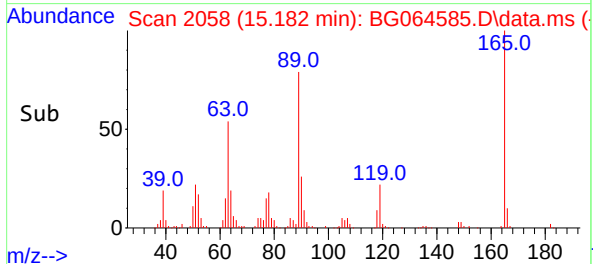


Tgt Ion:165 Resp: 93700
Ion Ratio Lower Upper
165 100
63 54.1 41.8 62.8
89 78.8 58.1 87.1
182 2.0 1.4 2.0

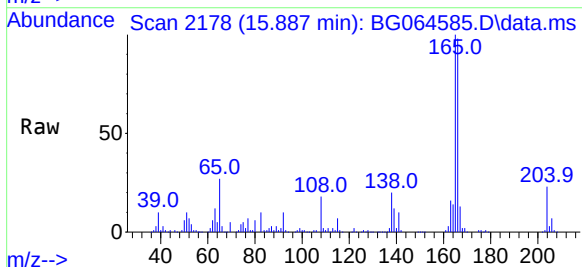
Manual Integrations

APPROVED

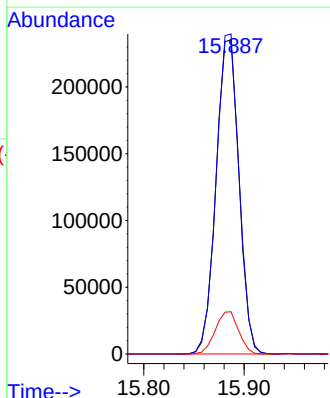
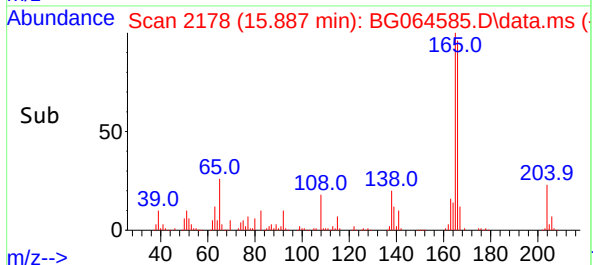
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

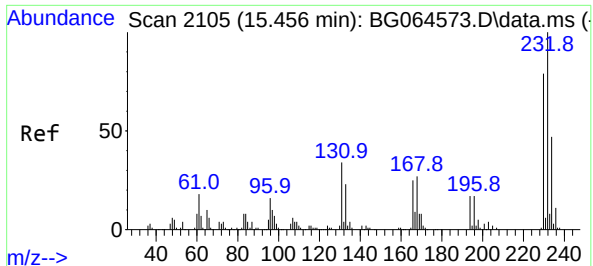


#58
Fluorene
Concen: 40.861 ng
RT: 15.887 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19



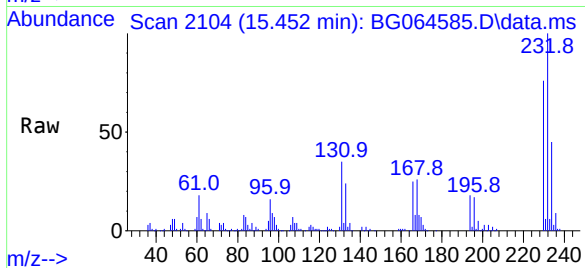
Tgt Ion:166 Resp: 373136
Ion Ratio Lower Upper
166 100
165 102.0 81.5 122.3
167 13.4 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 45.296 ng
RT: 15.452 min Scan# 2104
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

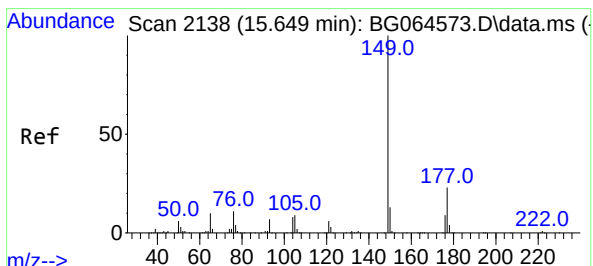
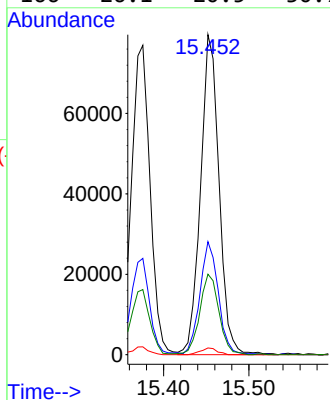
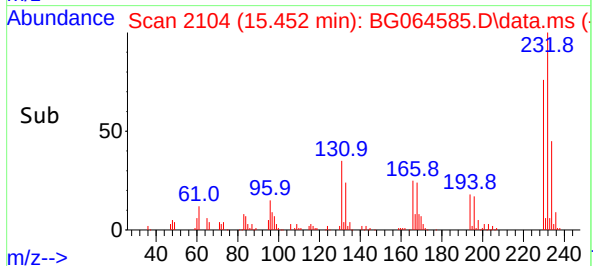
Instrument :
BNA_G
ClientSampleId :
PB170222BS



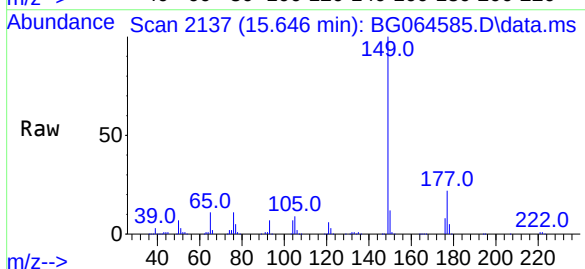
Tgt Ion:232 Resp: 12000
Ion Ratio Lower Upper
232 100
131 35.5 26.7 40.1
130 1.9 1.6 2.4
166 26.1 20.5 30.7

Manual Integrations
APPROVED

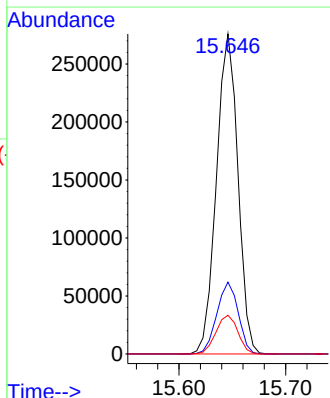
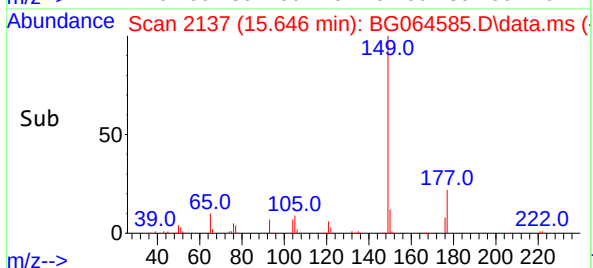
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

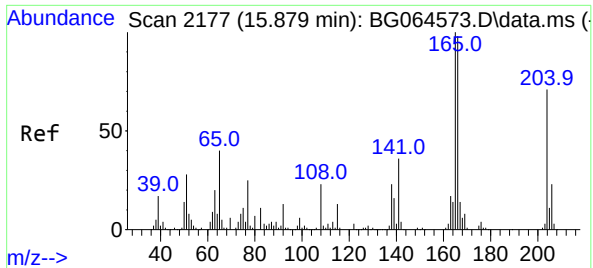


#60
Diethylphthalate
Concen: 39.422 ng
RT: 15.646 min Scan# 2137
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19



Tgt Ion:149 Resp: 385214
Ion Ratio Lower Upper
149 100
177 22.5 18.0 27.0
150 12.1 10.2 15.4





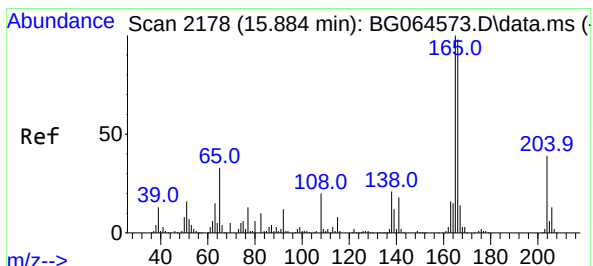
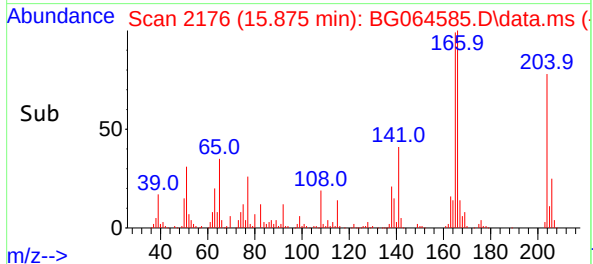
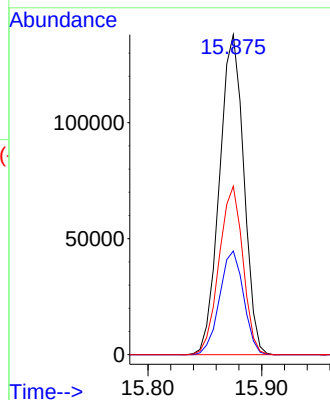
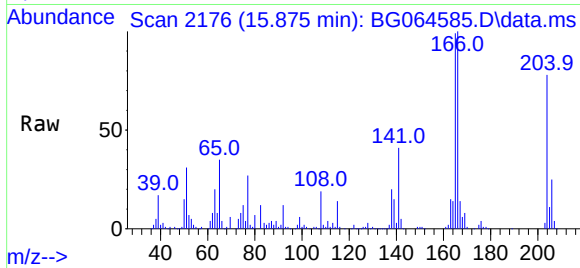
#61
4-Chlorophenyl-phenylether
Concen: 40.032 ng
RT: 15.875 min Scan# 2177
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Instrument :
BNA_G
ClientSampleId :
PB170222BS

Tgt Ion:204 Resp: 205150
Ion Ratio Lower Upper
204 100
206 32.4 25.6 38.4
141 52.6 40.6 60.8

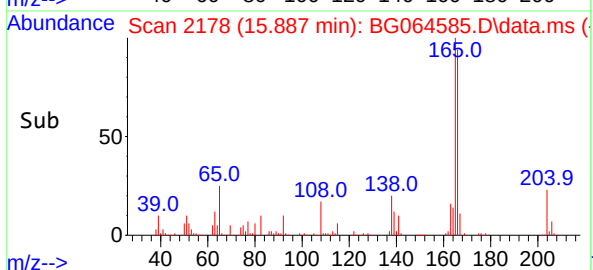
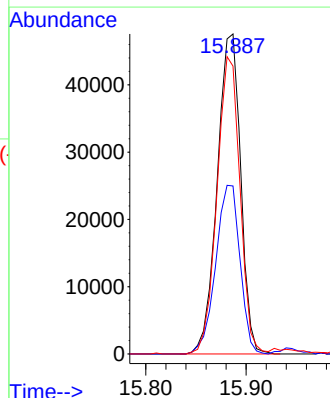
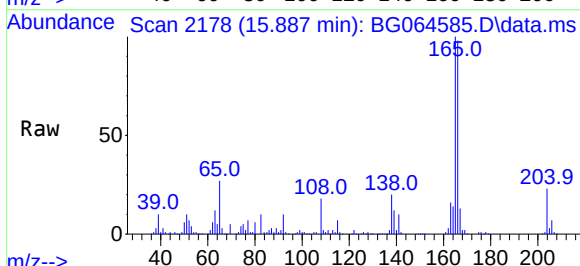
Manual Integrations
APPROVED

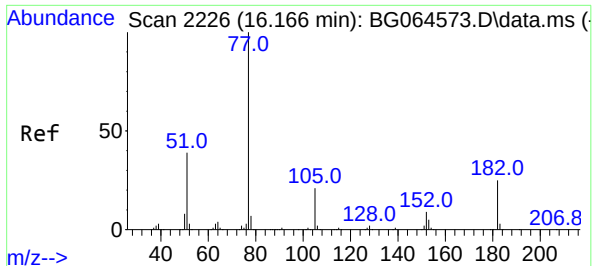
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#62
4-Nitroaniline
Concen: 42.140 ng
RT: 15.887 min Scan# 2178
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Tgt Ion:138 Resp: 77104
Ion Ratio Lower Upper
138 100
92 52.5 36.1 76.1
108 90.0 75.6 115.6





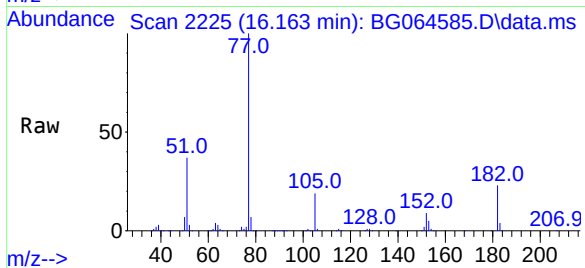
#63
Azobenzene
Concen: 41.741 ng
RT: 16.163 min Scan# 2226
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

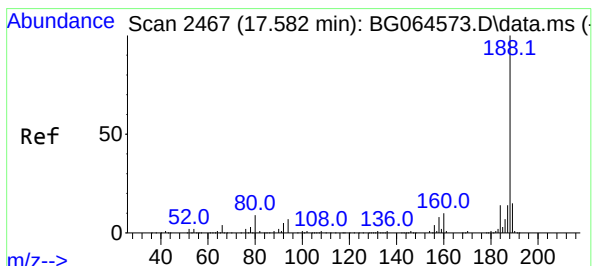
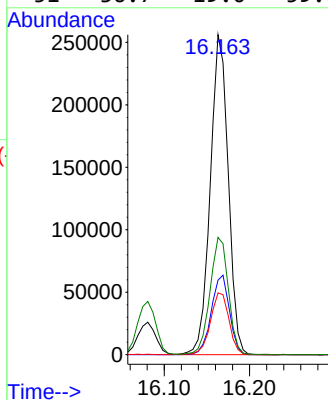
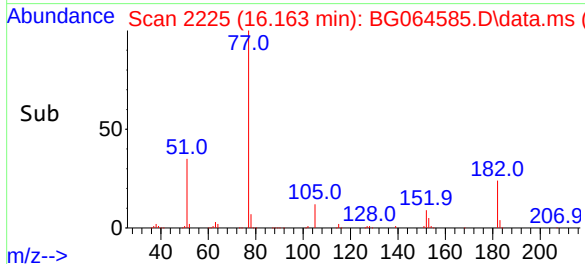


Tgt Ion: 77 Resp: 374238
Ion Ratio Lower Upper
77 100
182 23.3 4.9 44.9
105 19.3 1.3 41.3
51 36.7 19.0 59.0

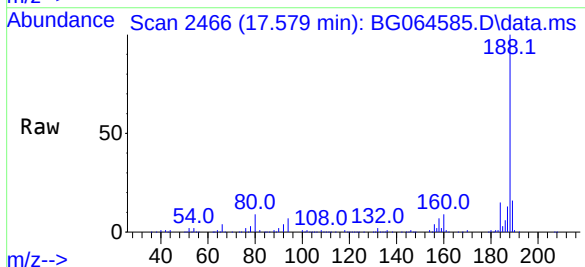
Manual Integrations

APPROVED

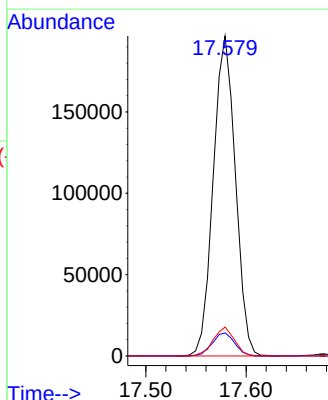
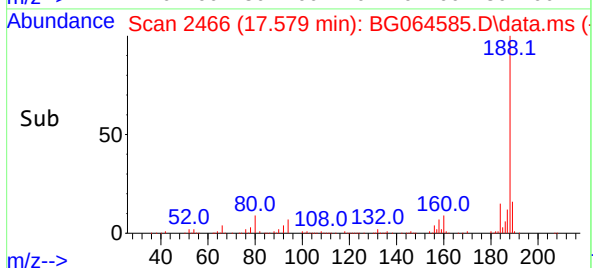
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



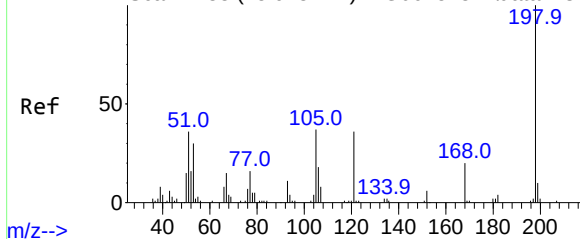
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.579 min Scan# 2466
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19



Tgt Ion:188 Resp: 301008
Ion Ratio Lower Upper
188 100
94 7.2 5.7 8.5
80 9.1 6.8 10.2



Abundance Scan 2188 (15.943 min): BG064573.D\data.ms (



#65
4,6-Dinitro-2-methylphenol
Concen: 39.318 ng
RT: 15.946 min Scan# 2188
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

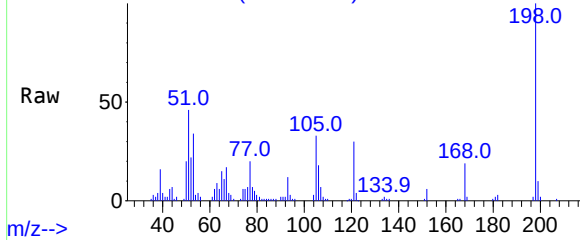
Tgt Ion:198 Resp: 50612
Ion Ratio Lower Upper
198 100
51 45.7 24.7 64.7
105 33.4 18.0 58.0

Manual Integrations

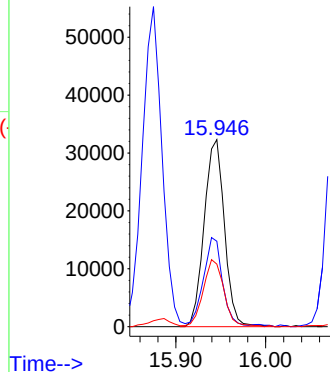
APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

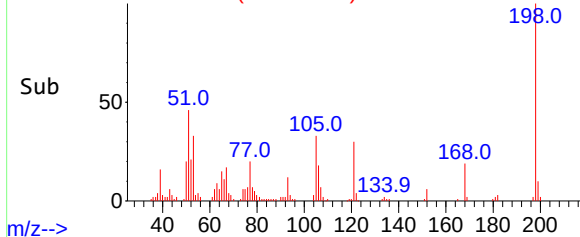
Abundance Scan 2188 (15.946 min): BG064585.D\data.ms



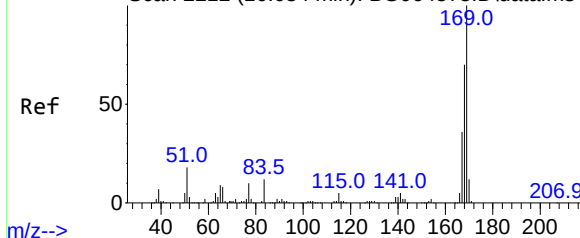
Abundance



Abundance Scan 2188 (15.946 min): BG064585.D\data.ms (



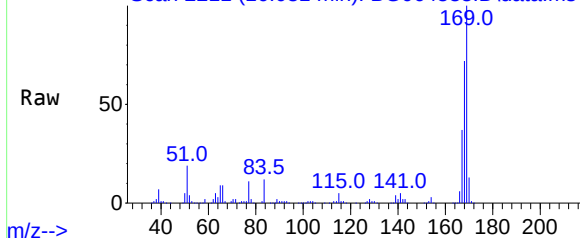
Abundance Scan 2212 (16.084 min): BG064573.D\data.ms (



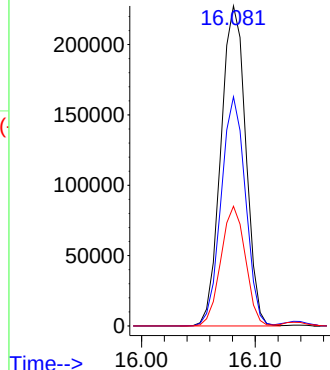
#66
n-Nitrosodiphenylamine
Concen: 42.521 ng
RT: 16.081 min Scan# 2211
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Tgt Ion:169 Resp: 345741
Ion Ratio Lower Upper
169 100
168 71.6 56.3 84.5
167 37.4 29.0 43.6

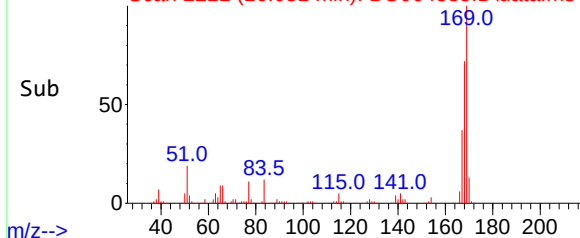
Abundance Scan 2211 (16.081 min): BG064585.D\data.ms

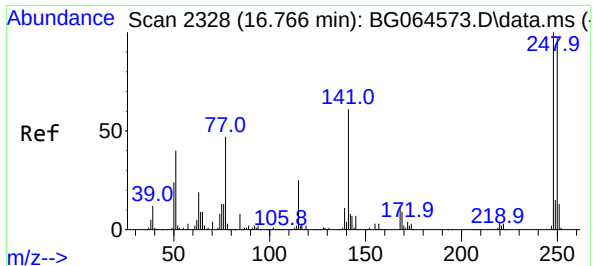


Abundance



Abundance Scan 2211 (16.081 min): BG064585.D\data.ms (





#67
4-Bromophenyl-phenylether
Concen: 40.873 ng
RT: 16.762 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

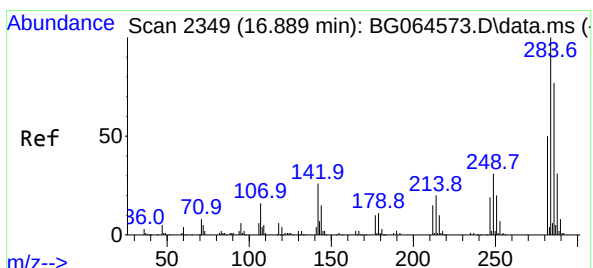
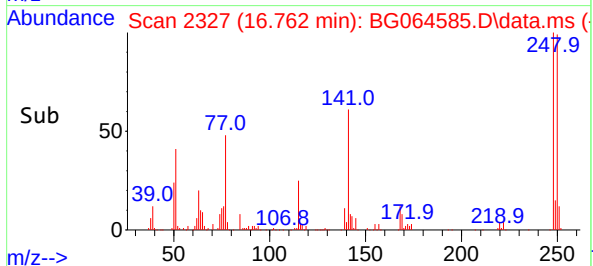
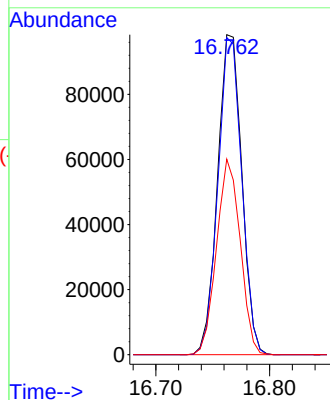
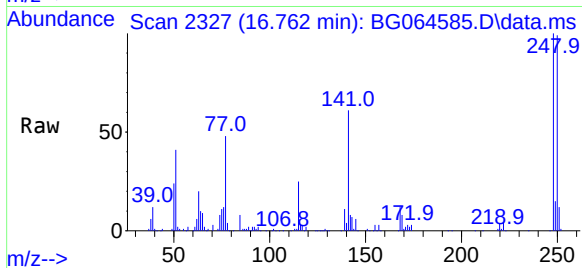
PB170222BS

Tgt Ion:248 Resp: 145798
Ion Ratio Lower Upper
248 100
250 99.1 77.7 116.5
141 61.1 48.6 72.8

Manual Integrations

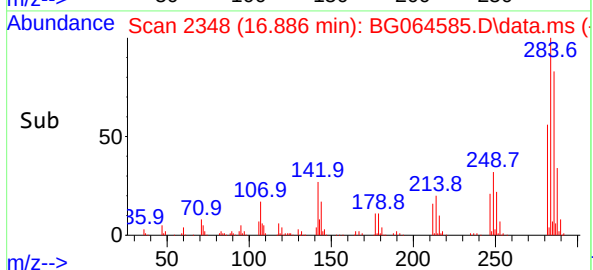
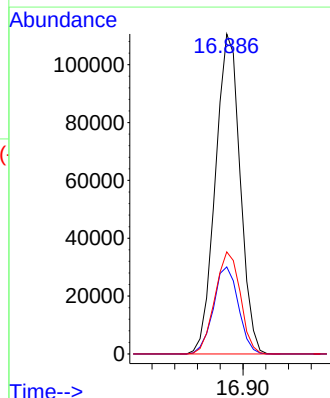
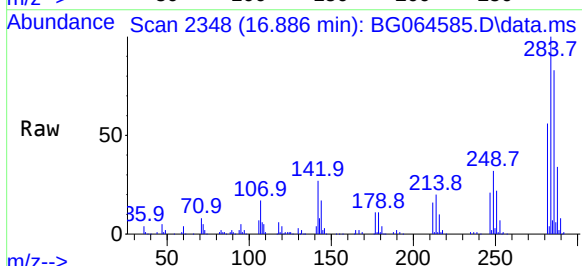
APPROVED

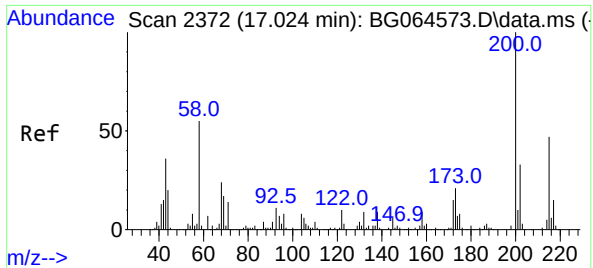
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#68
Hexachlorobenzene
Concen: 41.086 ng
RT: 16.886 min Scan# 2348
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Tgt Ion:284 Resp: 167195
Ion Ratio Lower Upper
284 100
142 27.2 21.0 31.6
249 34.4 24.9 37.3





#69

Atrazine

Concen: 39.995 ng

RT: 17.021 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

Tgt Ion:200 Resp: 13994

Ion Ratio Lower Upper

200 100

173 24.5 0.9 40.9

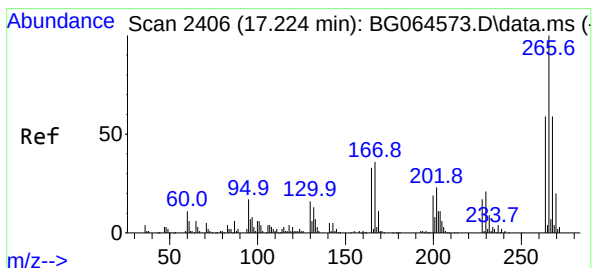
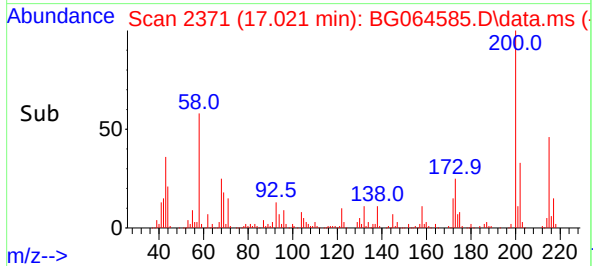
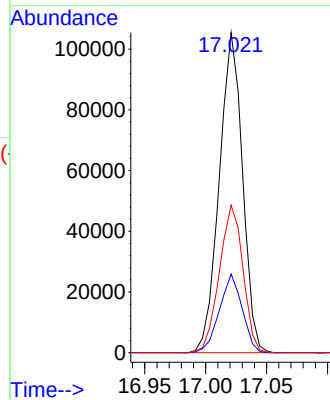
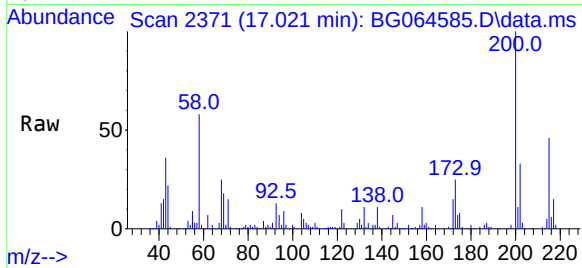
215 46.1 27.0 67.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025



#70

Pentachlorophenol

Concen: 84.140 ng

RT: 17.221 min Scan# 2405

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

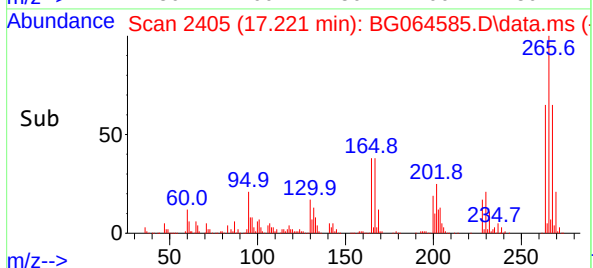
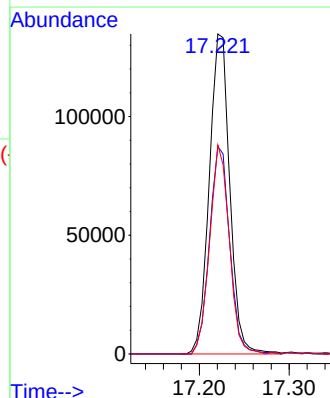
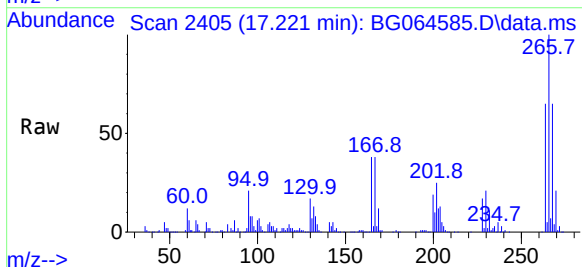
Tgt Ion:266 Resp: 213517

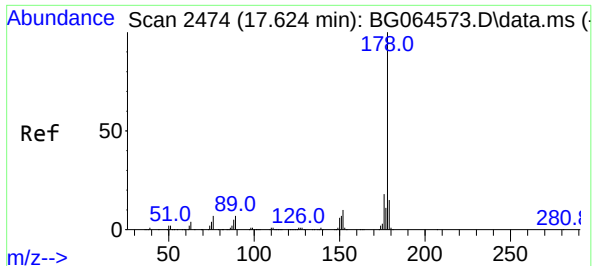
Ion Ratio Lower Upper

266 100

268 69.3 50.3 75.5

264 70.6 47.3 70.9





#71
Phenanthrene
Concen: 40.001 ng
RT: 17.620 min Scan# 2474
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

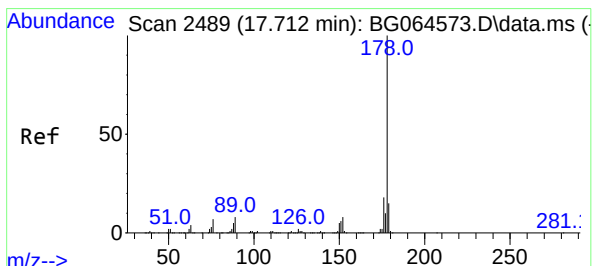
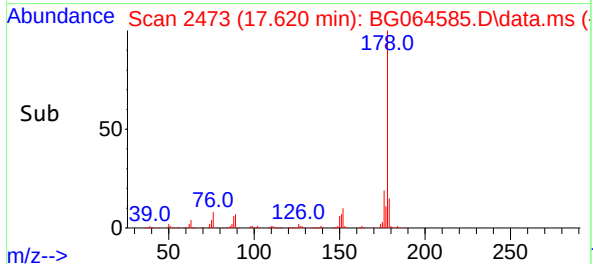
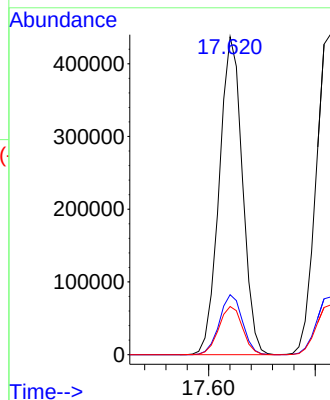
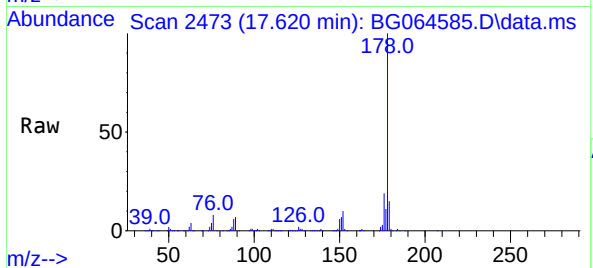
PB170222BS

Tgt Ion:178 Resp: 65844
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 15.1 12.2 18.4

Manual Integrations

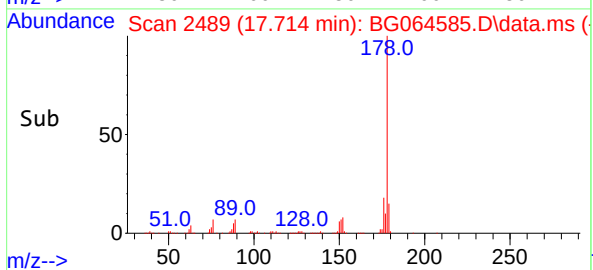
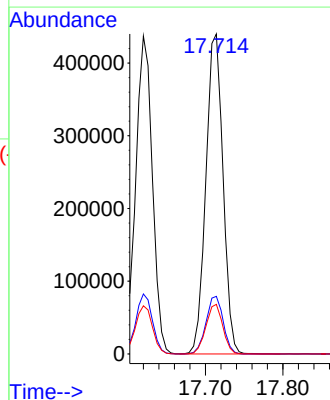
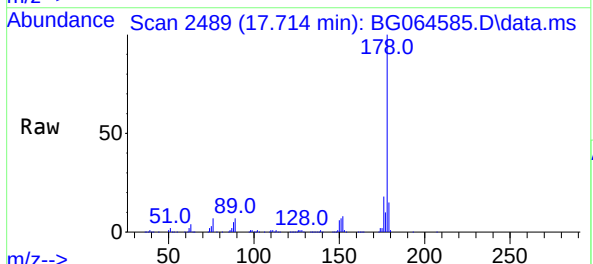
APPROVED

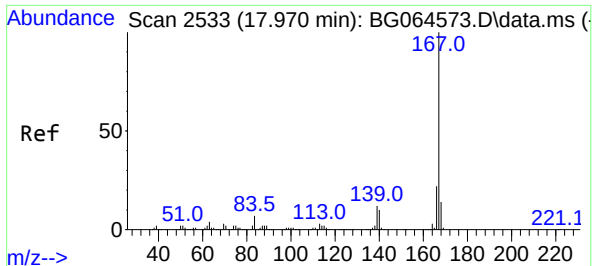
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#72
Anthracene
Concen: 40.218 ng
RT: 17.714 min Scan# 2489
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

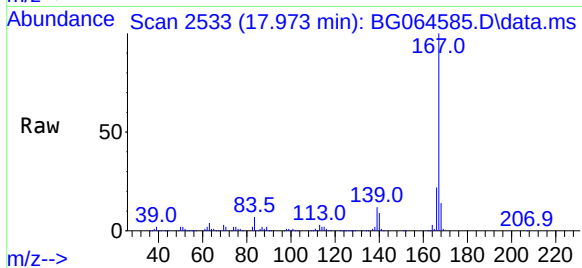
Tgt Ion:178 Resp: 673431
Ion Ratio Lower Upper
178 100
176 18.0 14.4 21.6
179 15.5 12.4 18.6





#73
Carbazole
Concen: 40.252 ng
RT: 17.973 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

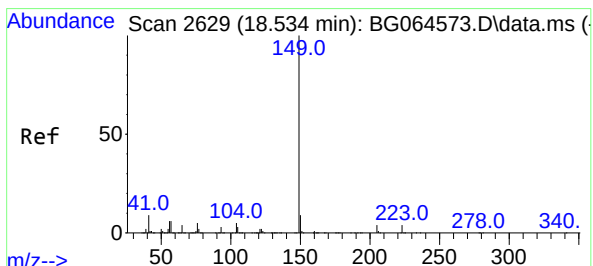
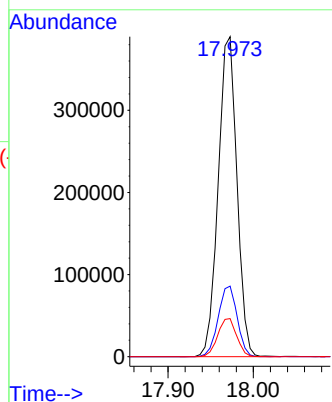
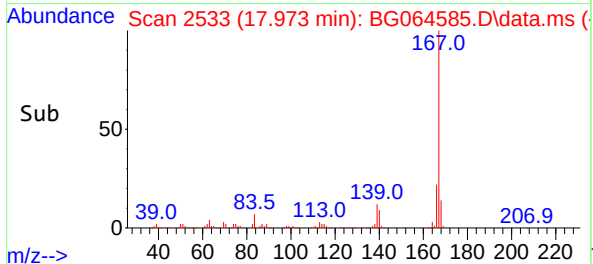
Instrument :
BNA_G
ClientSampleId :
PB170222BS



Tgt Ion:167 Resp: 59434
Ion Ratio Lower Upper
167 100
166 22.1 17.9 26.9
139 11.9 9.7 14.5

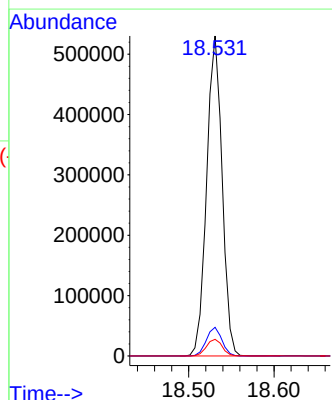
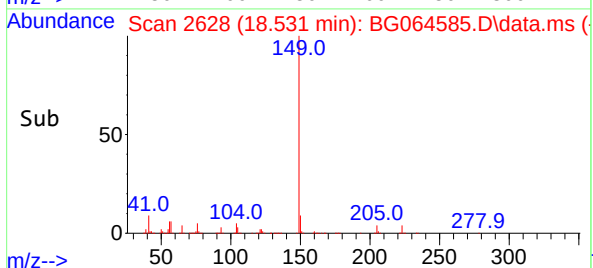
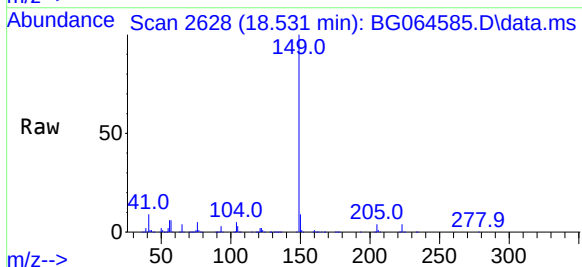
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

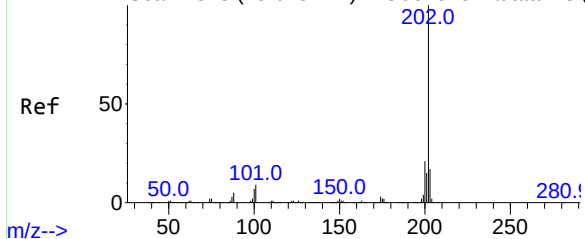


#74
Di-n-butylphthalate
Concen: 39.008 ng
RT: 18.531 min Scan# 2628
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Tgt Ion:149 Resp: 666045
Ion Ratio Lower Upper
149 100
150 9.0 7.0 10.6
104 5.2 4.1 6.1



Abundance Scan 2813 (19.615 min): BG064573.D\data.ms (



#75

Fluoranthene

Concen: 39.295 ng

RT: 19.618 min Scan# 2813

Delta R.T. -0.001 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

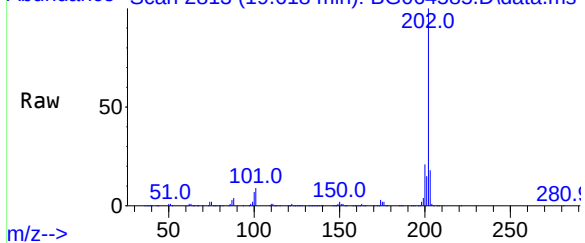
Instrument :

BNA_G

ClientSampleId :

PB170222BS

Abundance Scan 2813 (19.618 min): BG064585.D\data.ms



Tgt Ion:202 Resp: 81031

Ion Ratio Lower Upper

202 100

101 8.8 0.0 28.7

203 17.5 0.0 37.0

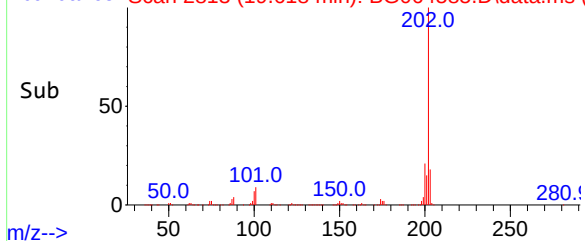
Manual Integrations

APPROVED

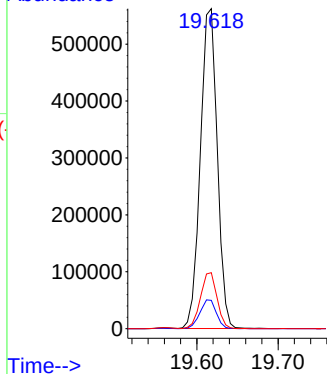
Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025

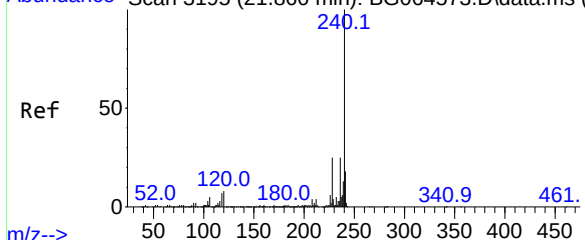
Abundance Scan 2813 (19.618 min): BG064585.D\data.ms (



Abundance



Abundance Scan 3195 (21.860 min): BG064573.D\data.ms (



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.856 min Scan# 3194

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Tgt Ion:240 Resp: 321139

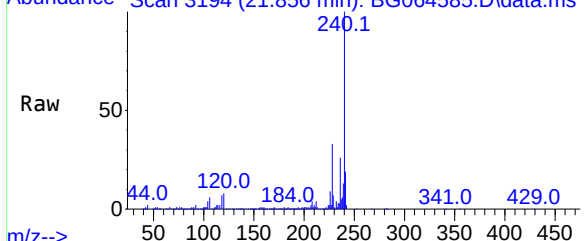
Ion Ratio Lower Upper

240 100

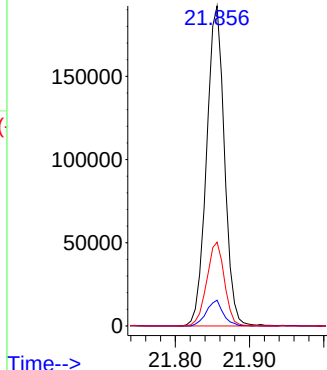
120 8.0 6.5 9.7

236 26.2 20.2 30.2

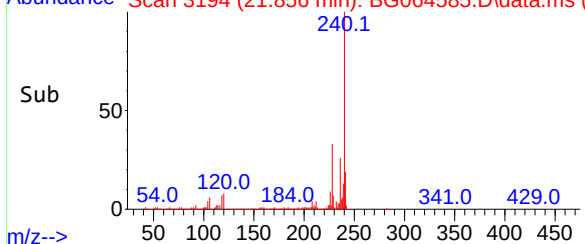
Abundance Scan 3194 (21.856 min): BG064585.D\data.ms

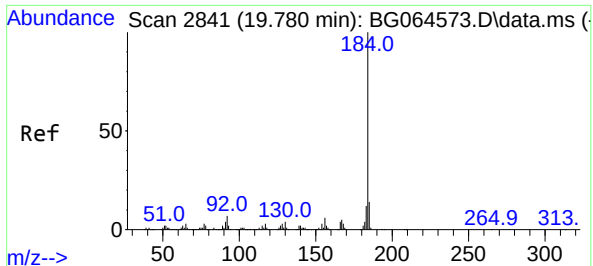


Abundance



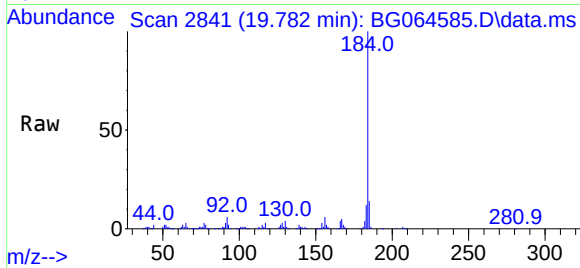
Abundance Scan 3194 (21.856 min): BG064585.D\data.ms (





#77
Benzidine
Concen: 25.232 ng
RT: 19.782 min Scan# 2841
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

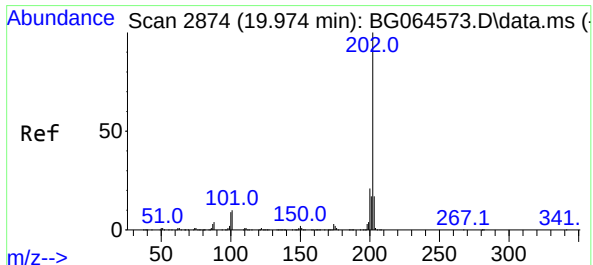
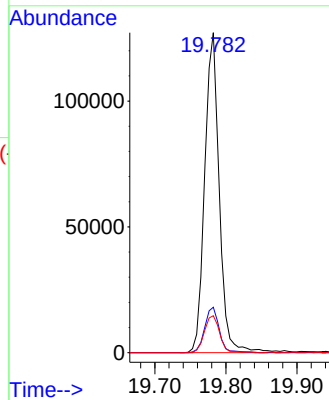
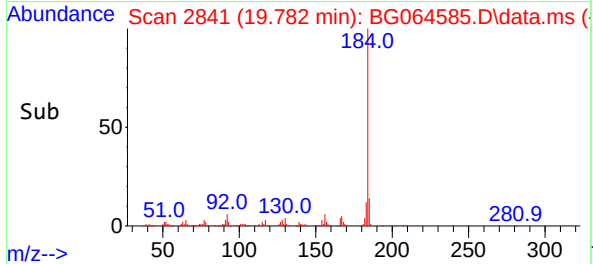
Instrument :
BNA_G
ClientSampleId :
PB170222BS



Tgt Ion:184 Resp: 181540
Ion Ratio Lower Upper
184 100
185 14.2 11.4 17.2
183 11.6 9.4 14.2

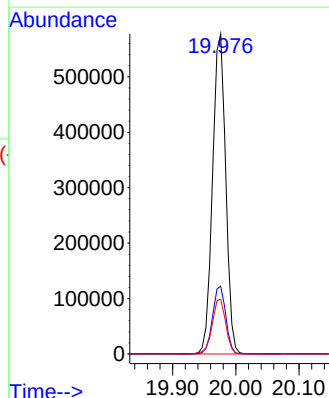
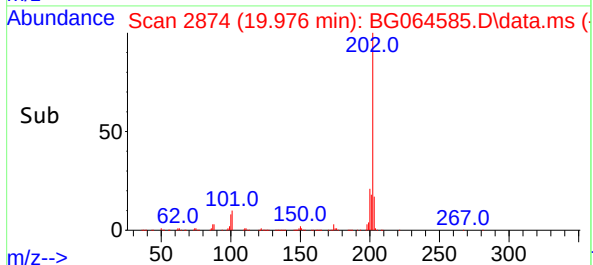
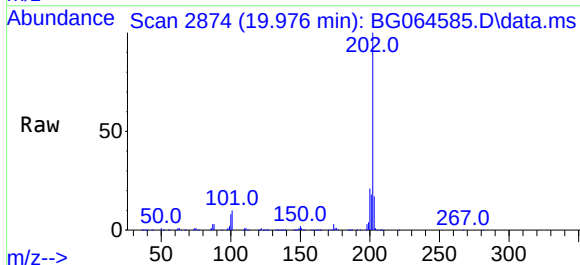
Manual Integrations
APPROVED

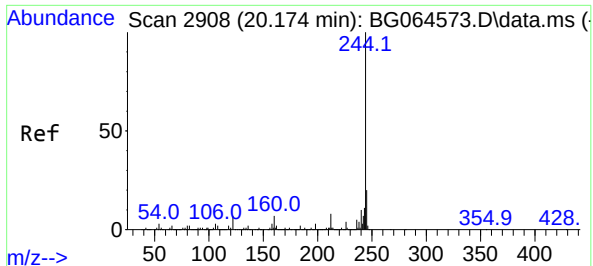
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#78
Pyrene
Concen: 39.850 ng
RT: 19.976 min Scan# 2874
Delta R.T. -0.001 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Tgt Ion:202 Resp: 836111
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.1 13.8 20.6





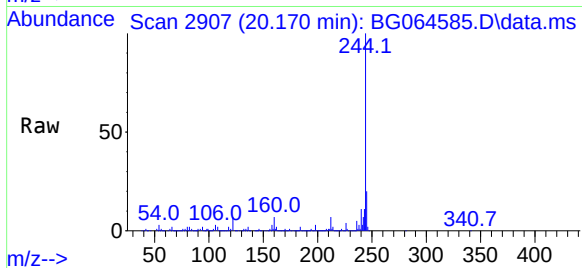
#79
 Terphenyl-d14
 Concen: 82.851 ng
 RT: 20.170 min Scan# 2908
 Delta R.T. -0.007 min
 Lab File: BG064585.D
 Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS



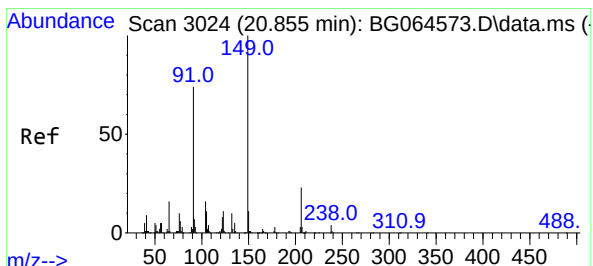
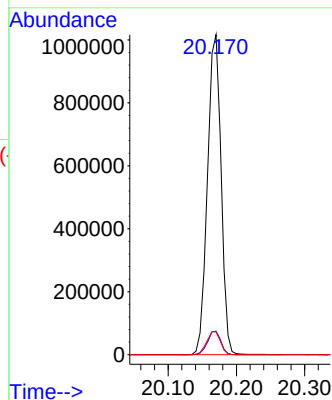
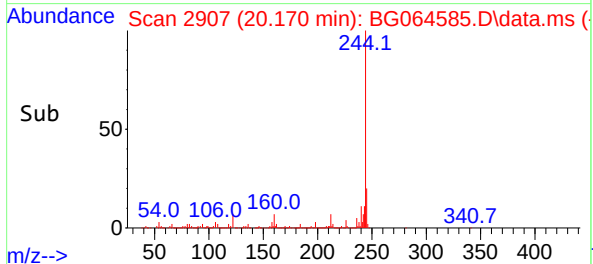
Tgt Ion:244 Resp: 1409870
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.1 9.1
 122 7.1 5.6 8.4

Manual Integrations

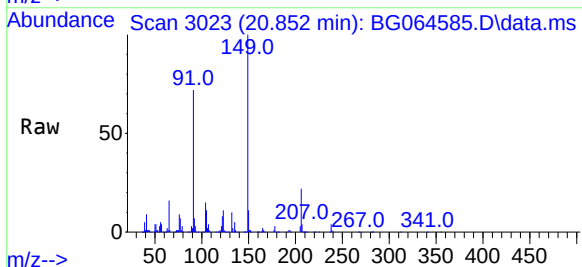
APPROVED

Reviewed By :Rahul Chavli 10/28/2025

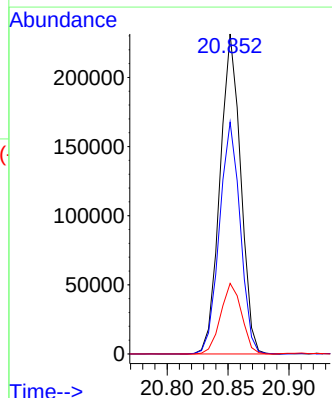
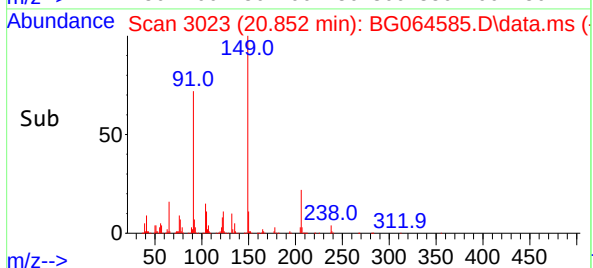
Supervised By :Jagrut Upadhyay 10/28/2025

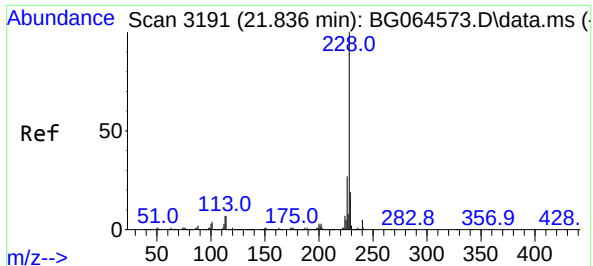


#80
 Butylbenzylphthalate
 Concen: 43.173 ng
 RT: 20.852 min Scan# 3023
 Delta R.T. -0.007 min
 Lab File: BG064585.D
 Acq: 27 Oct 2025 13:19



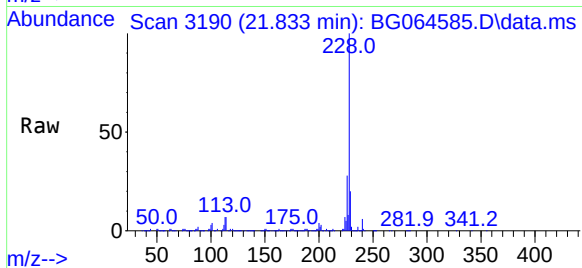
Tgt Ion:149 Resp: 273778
 Ion Ratio Lower Upper
 149 100
 91 72.5 59.2 88.8
 206 22.1 18.1 27.1





#81
Benzo(a)anthracene
Concen: 40.909 ng
RT: 21.833 min Scan# 3191
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

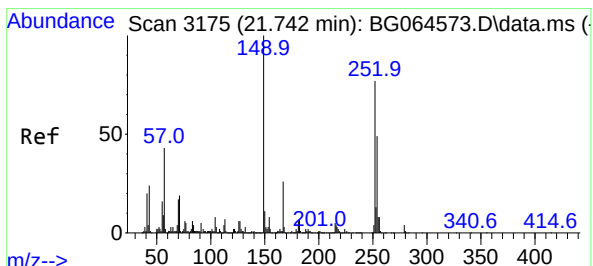
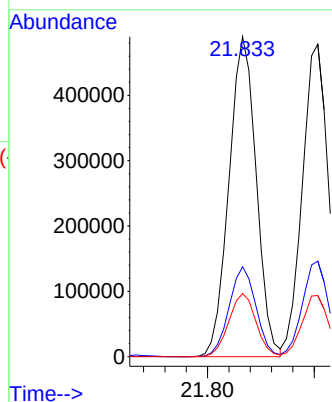
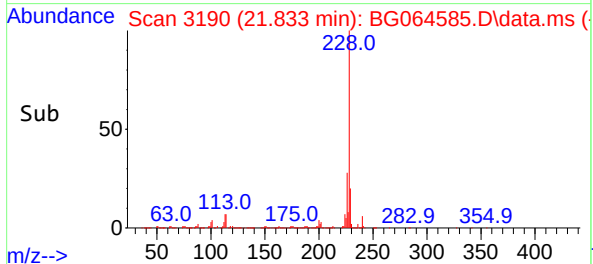
Instrument :
BNA_G
ClientSampleId :
PB170222BS



Tgt Ion:228 Resp: 871095
Ion Ratio Lower Upper
228 100
226 28.1 21.9 32.9
229 19.7 15.6 23.4

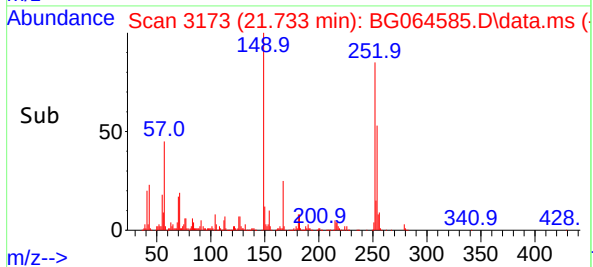
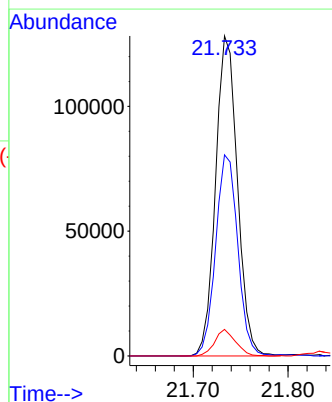
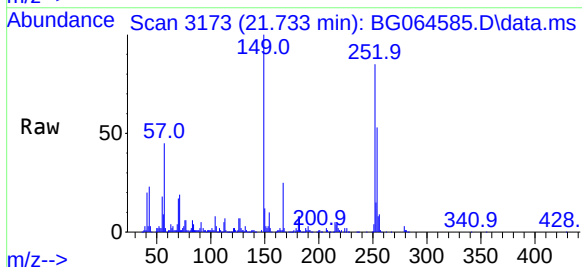
Manual Integrations
APPROVED

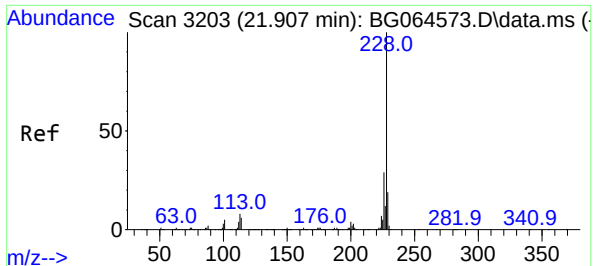
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#82
3,3'-Dichlorobenzidine
Concen: 28.870 ng
RT: 21.733 min Scan# 3173
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Tgt Ion:252 Resp: 205280
Ion Ratio Lower Upper
252 100
254 62.9 50.8 76.2
126 8.3 5.8 8.6





#83

Chrysene

Concen: 40.115 ng

RT: 21.903 min Scan# 31

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

Tgt Ion:228 Resp: 81275

Ion Ratio Lower Upper

228 100

226 30.5 23.3 34.9

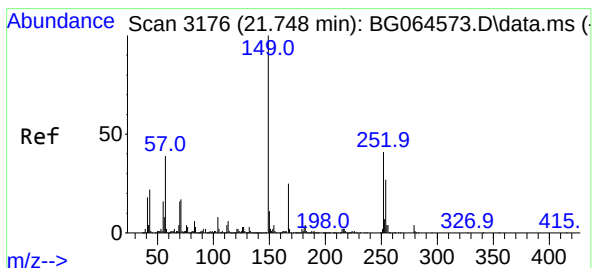
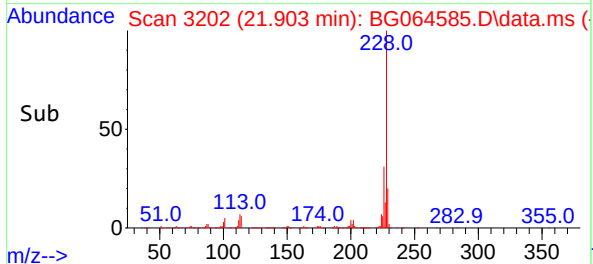
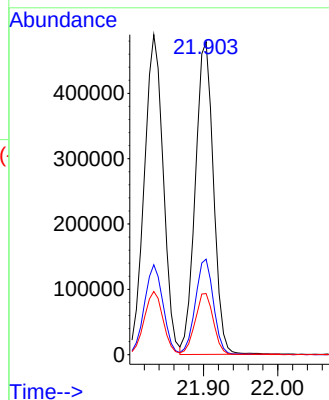
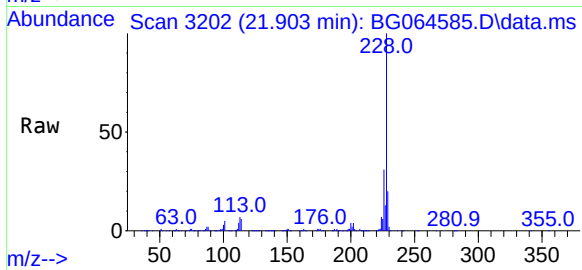
229 19.6 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.508 ng

RT: 21.745 min Scan# 3175

Delta R.T. -0.007 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

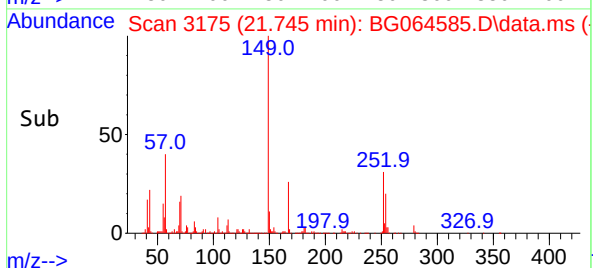
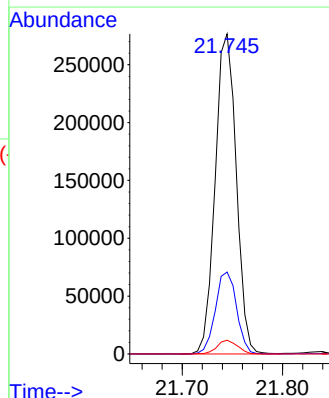
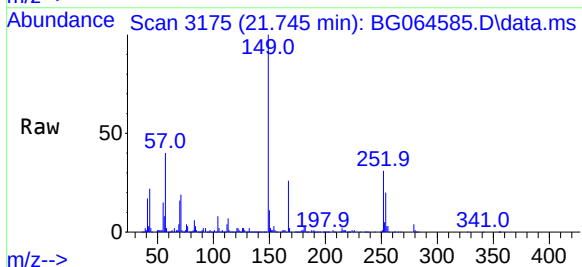
Tgt Ion:149 Resp: 402787

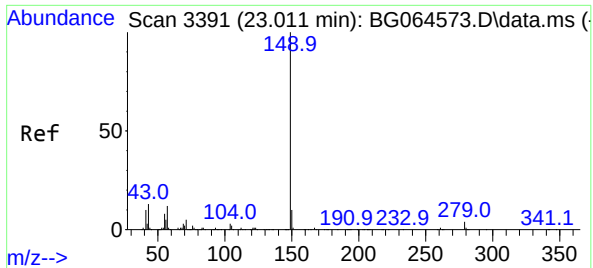
Ion Ratio Lower Upper

149 100

167 25.6 20.0 30.0

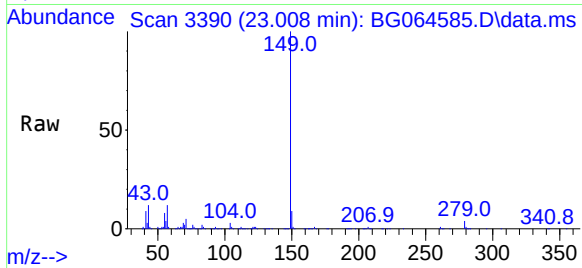
279 4.3 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 42.016 ng
RT: 23.008 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

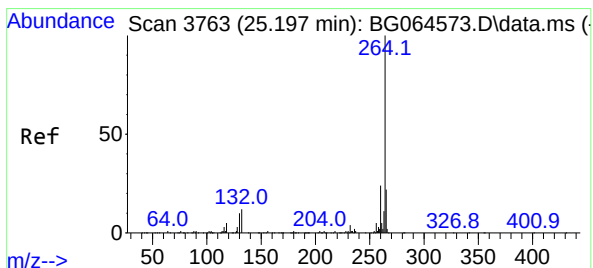
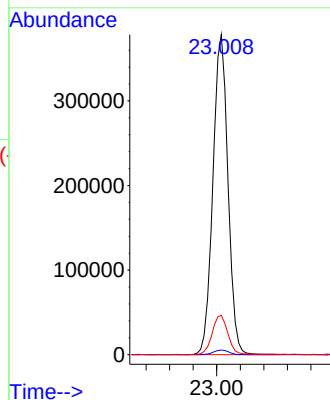
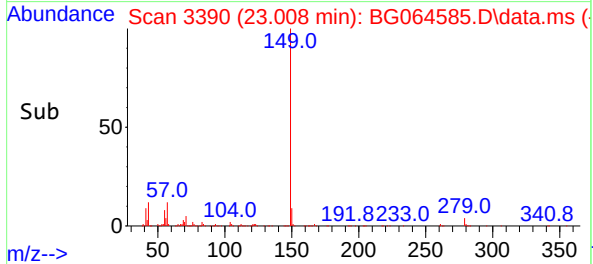
Instrument :
BNA_G
ClientSampleId :
PB170222BS



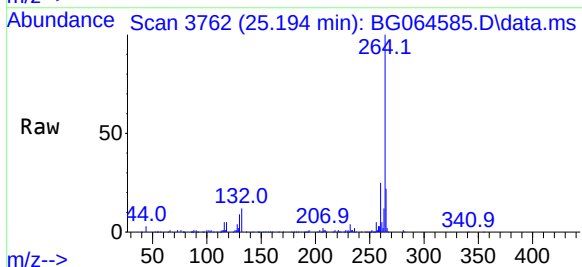
Tgt Ion:149 Resp: 671230
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 12.7 10.8 16.2

Manual Integrations
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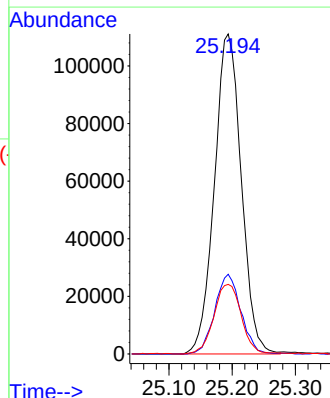
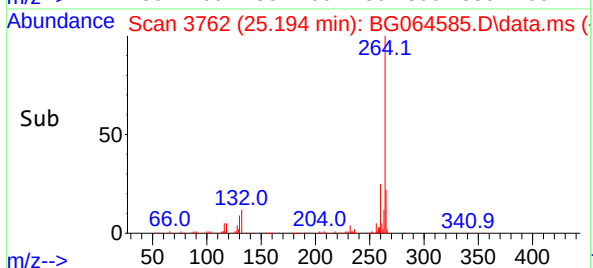
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



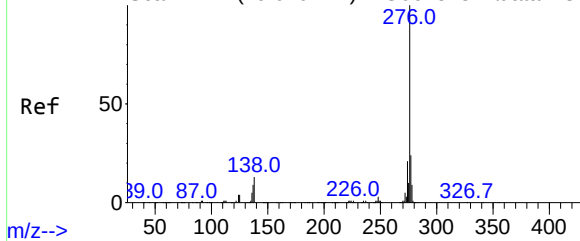
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.194 min Scan# 3762
Delta R.T. -0.007 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19



Tgt Ion:264 Resp: 327874
Ion Ratio Lower Upper
264 100
260 24.9 19.0 28.4
265 21.8 17.6 26.4



Abundance Scan 4417 (29.040 min): BG064573.D\data.ms (



#87

Indeno(1,2,3-cd)pyrene

Concen: 42.049 ng

RT: 29.036 min Scan# 4417

Delta R.T. -0.025 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

Tgt Ion:276 Resp: 1014209

Ion Ratio Lower Upper

276 100

138 12.3 10.8 16.2

277 25.0 20.1 30.1

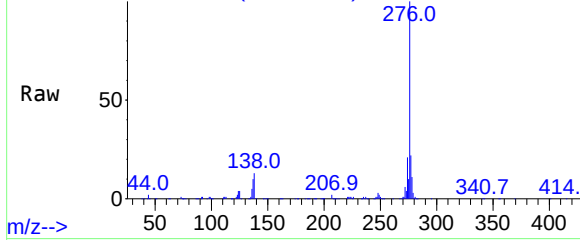
Manual Integrations

APPROVED

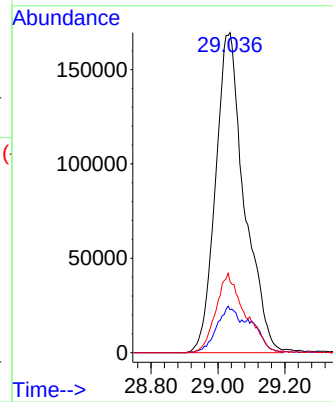
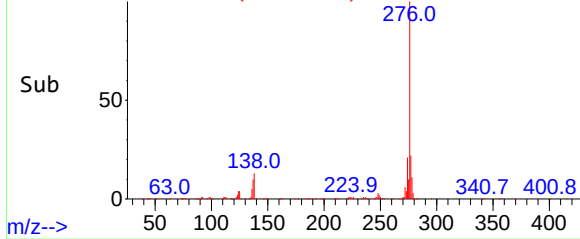
Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025

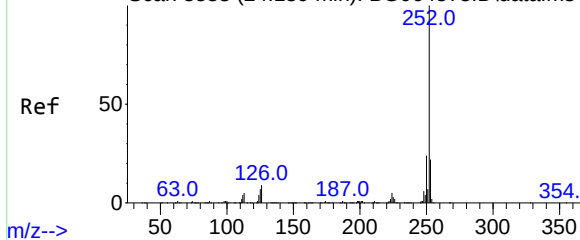
Abundance Scan 4416 (29.036 min): BG064585.D\data.ms



Abundance Scan 4416 (29.036 min): BG064585.D\data.ms (



Abundance Scan 3583 (24.139 min): BG064573.D\data.ms (



#88

Benzo(b)fluoranthene

Concen: 42.477 ng

RT: 24.130 min Scan# 3581

Delta R.T. -0.013 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Tgt Ion:252 Resp: 854015

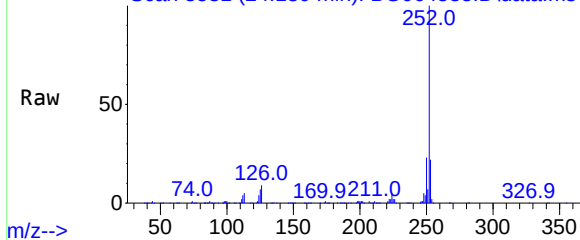
Ion Ratio Lower Upper

252 100

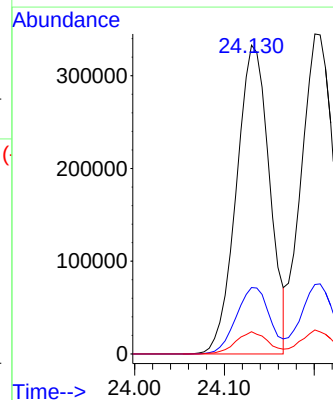
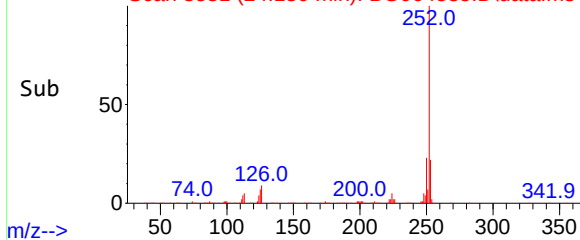
253 21.5 17.8 26.8

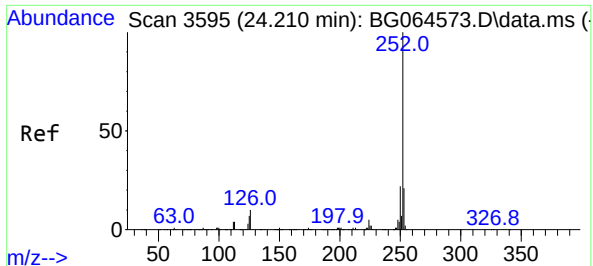
125 7.2 5.6 8.4

Abundance Scan 3581 (24.130 min): BG064585.D\data.ms



Abundance Scan 3581 (24.130 min): BG064585.D\data.ms (





#89

Benzo(k)fluoranthene

Concen: 43.898 ng

RT: 24.201 min Scan# 3

Delta R.T. -0.019 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Instrument :

BNA_G

ClientSampleId :

PB170222BS

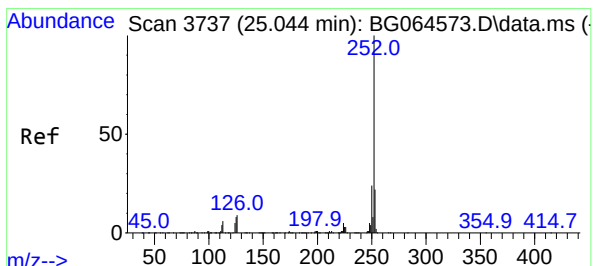
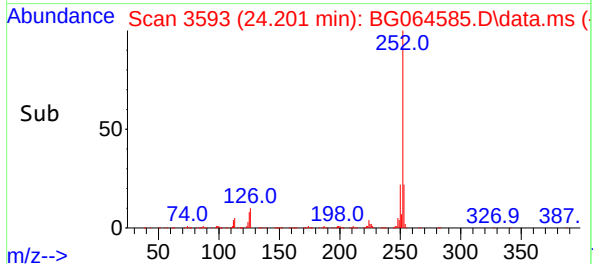
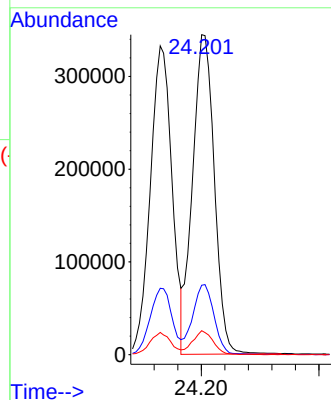
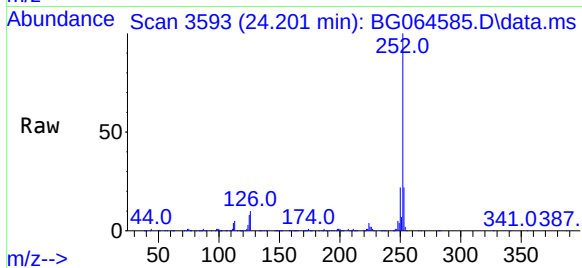
Tgt Ion:252 Resp: 883190
Ion Ratio Lower Upper
252 100
253 21.7 16.8 25.2
125 7.5 5.4 8.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025



#90

Benzo(a)pyrene

Concen: 44.080 ng

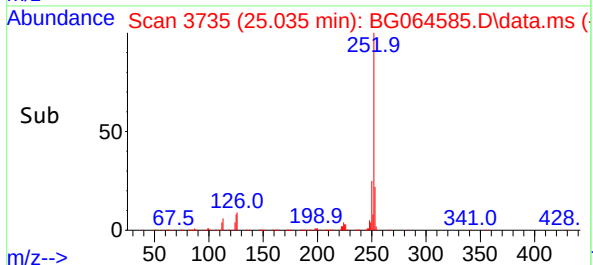
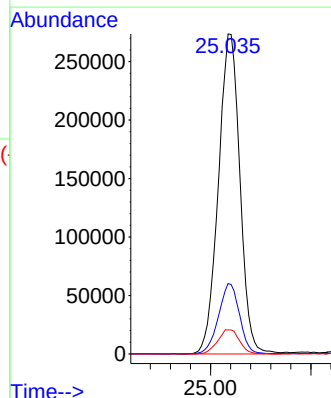
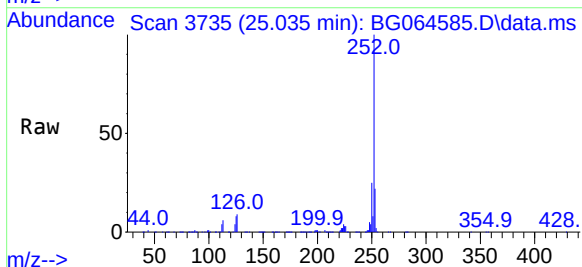
RT: 25.035 min Scan# 3735

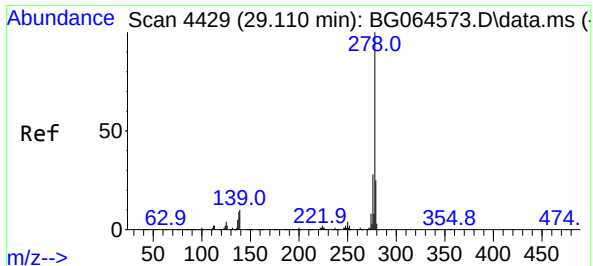
Delta R.T. -0.025 min

Lab File: BG064585.D

Acq: 27 Oct 2025 13:19

Tgt Ion:252 Resp: 814648
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 7.5 6.1 9.1





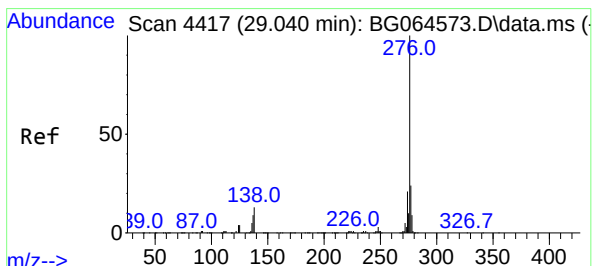
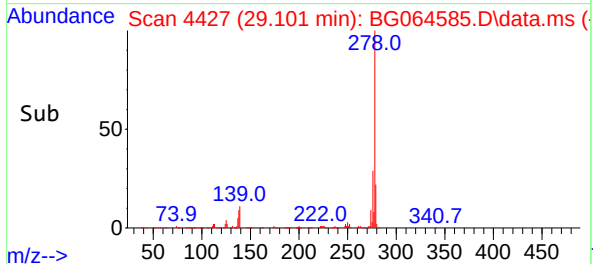
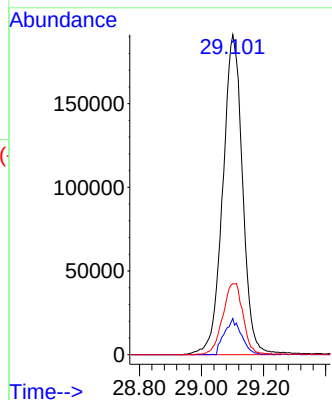
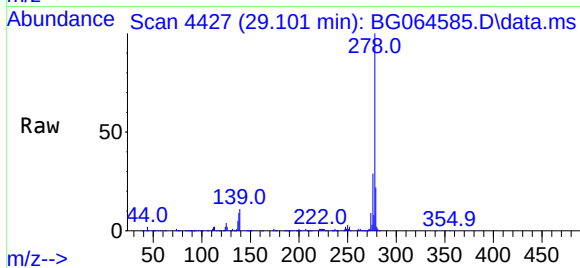
#91
Dibenzo(a,h)anthracene
Concen: 43.190 ng
RT: 29.101 min Scan# 4427
Delta R.T. -0.036 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Instrument :
BNA_G
ClientSampleId :
PB170222BS

Tgt Ion:278 Resp: 84632
Ion Ratio Lower Upper
278 100
139 11.3 8.0 12.0
279 22.2 19.8 29.6

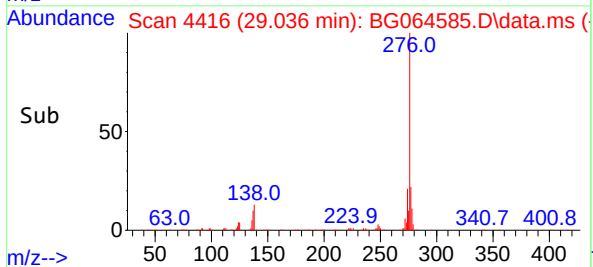
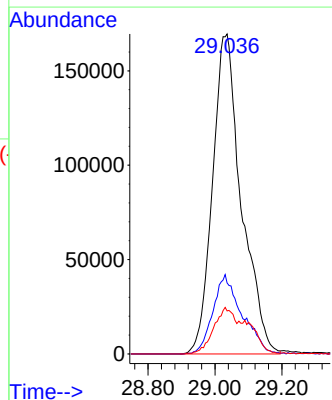
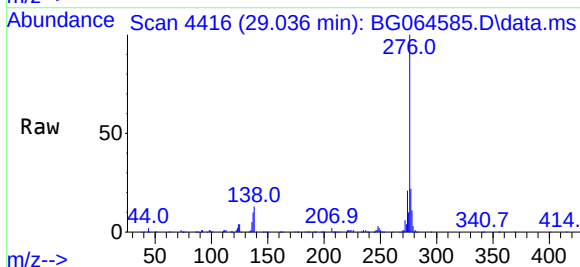
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#92
Benzo(g,h,i)perylene
Concen: 42.049 ng
RT: 29.036 min Scan# 4416
Delta R.T. -0.025 min
Lab File: BG064585.D
Acq: 27 Oct 2025 13:19

Tgt Ion:276 Resp: 1014209
Ion Ratio Lower Upper
276 100
277 22.2 19.2 28.8
138 13.5 10.7 16.1



Report of Analysis

Client: ICE Service Group, Inc.
 Project: NWIRP Northrup Grumman Site – Bethpage, NY
 Client Sample ID: PB170222BSD
 Lab Sample ID: PB170222BSD
 Analytical Method: 8270E Level : LOW
 Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
 Prep Method : Prep Date: 10/22/25

Date Collected:
 Date Received:
 SDG No.: Q3400
 Matrix: Water
 % Solid: 0
 Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS										
100-52-7	Benzaldehyde	13.3		1	3.90	8.00	10.0	ug/L	10/27/25 14:00	PB170222
108-95-2	Phenol	42.3		1	0.91	4.00	5.00	ug/L	10/27/25 14:00	PB170222
111-44-4	bis(2-Chloroethyl)ether	27.9		1	0.81	4.00	5.00	ug/L	10/27/25 14:00	PB170222
95-57-8	2-Chlorophenol	43.8		1	0.58	4.00	5.00	ug/L	10/27/25 14:00	PB170222
95-48-7	2-Methylphenol	42.1		1	1.10	4.00	5.00	ug/L	10/27/25 14:00	PB170222
108-60-1	2,2-oxybis(1-Chloropropane)	37.2		1	1.30	4.00	5.00	ug/L	10/27/25 14:00	PB170222
98-86-2	Acetophenone	42.8		1	0.74	4.00	5.00	ug/L	10/27/25 14:00	PB170222
65794-96-9	3+4-Methylphenols	41.8		1	1.10	8.00	10.0	ug/L	10/27/25 14:00	PB170222
621-64-7	n-Nitroso-di-n-propylamine	41.1		1	1.40	2.50	2.50	ug/L	10/27/25 14:00	PB170222
67-72-1	Hexachloroethane	38.1		1	0.65	4.00	5.00	ug/L	10/27/25 14:00	PB170222
98-95-3	Nitrobenzene	42.1		1	0.76	4.00	5.00	ug/L	10/27/25 14:00	PB170222
78-59-1	Isophorone	40.0		1	0.75	4.00	5.00	ug/L	10/27/25 14:00	PB170222
88-75-5	2-Nitrophenol	37.9		1	1.80	4.00	5.00	ug/L	10/27/25 14:00	PB170222
105-67-9	2,4-Dimethylphenol	48.0		1	1.90	4.00	5.00	ug/L	10/27/25 14:00	PB170222
111-91-1	bis(2-Chloroethoxy)methane	40.8		1	0.68	4.00	5.00	ug/L	10/27/25 14:00	PB170222
120-83-2	2,4-Dichlorophenol	45.3		1	0.52	4.00	5.00	ug/L	10/27/25 14:00	PB170222
91-20-3	Naphthalene	39.5		1	0.50	4.00	5.00	ug/L	10/27/25 14:00	PB170222
106-47-8	4-Chloroaniline	21.6		1	0.84	4.00	5.00	ug/L	10/27/25 14:00	PB170222
87-68-3	Hexachlorobutadiene	39.0		1	0.54	4.00	5.00	ug/L	10/27/25 14:00	PB170222
105-60-2	Caprolactam	37.7		1	1.10	8.00	10.0	ug/L	10/27/25 14:00	PB170222
59-50-7	4-Chloro-3-methylphenol	42.9		1	0.59	4.00	5.00	ug/L	10/27/25 14:00	PB170222
91-57-6	2-Methylnaphthalene	36.6		1	0.56	4.00	5.00	ug/L	10/27/25 14:00	PB170222
77-47-4	Hexachlorocyclopentadiene	100	E	1	3.60	8.00	10.0	ug/L	10/27/25 14:00	PB170222
88-06-2	2,4,6-Trichlorophenol	43.7		1	0.51	4.00	5.00	ug/L	10/27/25 14:00	PB170222
95-95-4	2,4,5-Trichlorophenol	43.5		1	0.62	4.00	5.00	ug/L	10/27/25 14:00	PB170222
92-52-4	1,1-Biphenyl	42.1		1	0.53	4.00	5.00	ug/L	10/27/25 14:00	PB170222
91-58-7	2-Chloronaphthalene	39.3		1	0.61	4.00	5.00	ug/L	10/27/25 14:00	PB170222
88-74-4	2-Nitroaniline	38.1		1	1.30	4.00	5.00	ug/L	10/27/25 14:00	PB170222
131-11-3	Dimethylphthalate	39.2		1	0.61	4.00	5.00	ug/L	10/27/25 14:00	PB170222
208-96-8	Acenaphthylene	45.1		1	0.75	4.00	5.00	ug/L	10/27/25 14:00	PB170222
606-20-2	2,6-Dinitrotoluene	42.0		1	0.92	4.00	5.00	ug/L	10/27/25 14:00	PB170222
99-09-2	3-Nitroaniline	30.0		1	1.10	4.00	5.00	ug/L	10/27/25 14:00	PB170222
83-32-9	Acenaphthene	42.2		1	0.55	4.00	5.00	ug/L	10/27/25 14:00	PB170222
51-28-5	2,4-Dinitrophenol	75.2		1	6.00	8.00	10.0	ug/L	10/27/25 14:00	PB170222
100-02-7	4-Nitrophenol	82.1	E	1	2.40	8.00	10.0	ug/L	10/27/25 14:00	PB170222
132-64-9	Dibenzofuran	39.2		1	0.61	4.00	5.00	ug/L	10/27/25 14:00	PB170222
121-14-2	2,4-Dinitrotoluene	40.6		1	1.20	4.00	5.00	ug/L	10/27/25 14:00	PB170222
84-66-2	Diethylphthalate	38.5		1	0.69	4.00	5.00	ug/L	10/27/25 14:00	PB170222
7005-72-3	4-Chlorophenyl-phenylether	39.4		1	0.68	4.00	5.00	ug/L	10/27/25 14:00	PB170222
86-73-7	Fluorene	40.2		1	0.63	4.00	5.00	ug/L	10/27/25 14:00	PB170222
100-01-6	4-Nitroaniline	39.9		1	1.50	4.00	5.00	ug/L	10/27/25 14:00	PB170222
534-52-1	4,6-Dinitro-2-methylphenol	40.8		1	2.90	8.00	10.0	ug/L	10/27/25 14:00	PB170222



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

Report of Analysis

Client: ICE Service Group, Inc.
Project: NWIRP Northrup Grumman Site – Bethpage, NY
Client Sample ID: PB170222BSD
Lab Sample ID: PB170222BSD
Analytical Method: 8270E Level : LOW
Sample Wt/Vol: 1000 mL Final Vol: 1000 uL
Prep Method : Prep Date: 10/22/25

Date Collected:
Date Received:
SDG No.: Q3400
Matrix: Water
% Solid: 0
Test: SVOC-TCL BNA -20

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	42.3		1	0.58	4.00	5.00	ug/L	10/27/25 14:00	PB170222
101-55-3	4-Bromophenyl-phenylether	40.9		1	0.40	4.00	5.00	ug/L	10/27/25 14:00	PB170222
118-74-1	Hexachlorobenzene	41.3		1	0.52	4.00	5.00	ug/L	10/27/25 14:00	PB170222
1912-24-9	Atrazine	39.8		1	1.00	4.00	5.00	ug/L	10/27/25 14:00	PB170222
87-86-5	Pentachlorophenol	86.5	E	1	1.60	8.00	10.0	ug/L	10/27/25 14:00	PB170222
85-01-8	Phenanthrene	40.5		1	0.50	4.00	5.00	ug/L	10/27/25 14:00	PB170222
120-12-7	Anthracene	40.0		1	0.61	4.00	5.00	ug/L	10/27/25 14:00	PB170222
86-74-8	Carbazole	40.0		1	0.72	4.00	5.00	ug/L	10/27/25 14:00	PB170222
84-74-2	Di-n-butylphthalate	38.6		1	1.20	4.00	5.00	ug/L	10/27/25 14:00	PB170222
206-44-0	Fluoranthene	38.8		1	0.82	4.00	5.00	ug/L	10/27/25 14:00	PB170222
129-00-0	Pyrene	39.9		1	0.50	4.00	5.00	ug/L	10/27/25 14:00	PB170222
85-68-7	Butylbenzylphthalate	44.0		1	1.90	4.00	5.00	ug/L	10/27/25 14:00	PB170222
91-94-1	3,3-Dichlorobenzidine	28.9		1	0.93	8.00	10.0	ug/L	10/27/25 14:00	PB170222
56-55-3	Benzo(a)anthracene	41.1		1	0.45	4.00	5.00	ug/L	10/27/25 14:00	PB170222
218-01-9	Chrysene	40.4		1	0.44	4.00	5.00	ug/L	10/27/25 14:00	PB170222
117-81-7	Bis(2-ethylhexyl)phthalate	42.9		1	1.60	4.00	5.00	ug/L	10/27/25 14:00	PB170222
117-84-0	Di-n-octyl phthalate	42.4		1	2.30	8.00	10.0	ug/L	10/27/25 14:00	PB170222
205-99-2	Benzo(b)fluoranthene	43.5		1	0.49	4.00	5.00	ug/L	10/27/25 14:00	PB170222
207-08-9	Benzo(k)fluoranthene	43.1		1	0.48	4.00	5.00	ug/L	10/27/25 14:00	PB170222
50-32-8	Benzo(a)pyrene	44.8		1	0.55	4.00	5.00	ug/L	10/27/25 14:00	PB170222
193-39-5	Indeno(1,2,3-cd)pyrene	42.7		1	0.59	4.00	5.00	ug/L	10/27/25 14:00	PB170222
53-70-3	Dibenzo(a,h)anthracene	43.6		1	0.67	4.00	5.00	ug/L	10/27/25 14:00	PB170222
191-24-2	Benzo(g,h,i)perylene	42.7		1	0.69	4.00	5.00	ug/L	10/27/25 14:00	PB170222
95-94-3	1,2,4,5-Tetrachlorobenzene	41.9		1	0.52	4.00	5.00	ug/L	10/27/25 14:00	PB170222
123-91-1	1,4-Dioxane	34.3		1	1.00	4.00	5.00	ug/L	10/27/25 14:00	PB170222
58-90-2	2,3,4,6-Tetrachlorophenol	45.3		1	0.72	4.00	5.00	ug/L	10/27/25 14:00	PB170222

SURROGATES

367-12-4	2-Fluorophenol	145		19 - 119	97%	SPK: 150
13127-88-3	Phenol-d6	125		10 - 130	83%	SPK: 150
4165-60-0	Nitrobenzene-d5	88.5		44 - 120	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.8		44 - 119	80%	SPK: 100
118-79-6	2,4,6-Tribromophenol	124		43 - 140	83%	SPK: 150
1718-51-0	Terphenyl-d14	83.4		50 - 134	83%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	40300
1146-65-2	Naphthalene-d8	162000
15067-26-2	Acenaphthene-d10	130000
1517-22-2	Phenanthrene-d10	304000
1719-03-5	Chrysene-d12	321000
1520-96-3	Perylene-d12	326000



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

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID:	PB170222BSD	SDG No.:	Q3400
Lab Sample ID:	PB170222BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 mL	Test:	SVOC-TCL BNA -20
Prep Method :			
	Level : LOW		
	Final Vol: 1000 uL		
	Prep Date: 10/22/25		

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064586.D
 Acq On : 27 Oct 2025 14:00
 Operator : RC/JU
 Sample : PB170222BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

PB170222BSD

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025

Quant Time: Oct 27 14:41:47 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.220	152	40304	20.000	ng	0.00
21) Naphthalene-d8	11.046	136	162009	20.000	ng	0.00
39) Acenaphthene-d10	14.842	164	130466	20.000	ng	0.00
64) Phenanthrene-d10	17.580	188	304053	20.000	ng	0.00
76) Chrysene-d12	21.851	240	320700	20.000	ng	-0.01
86) Perylene-d12	25.195	264	326136	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.747	112	347927	144.897	ng	0.00
7) Phenol-d6	7.351	99	412174	125.093	ng	0.00
23) Nitrobenzene-d5	9.384	82	238610	88.461	ng	0.00
42) 2,4,6-Tribromophenol	16.317	330	233689	124.104	ng	0.00
45) 2-Fluorobiphenyl	13.473	172	686931	79.807	ng	0.00
79) Terphenyl-d14	20.165	244	1418084	83.447	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.585	88	36507	34.341	ng	94
3) Pyridine	3.990	79	108247	33.907	ng	97
4) n-Nitrosodimethylamine	3.902	42	73358	42.850	ng	88
6) Aniline	7.527	93	125159	27.915	ng	97
8) 2-Chlorophenol	7.780	128	110065	43.793	ng	99
9) Benzaldehyde	7.339	77	23862	13.265	ng	93
10) Phenol	7.380	94	154116	42.294	ng	99
11) bis(2-Chloroethyl)ether	7.527	93	125159	27.915	ng	97
12) 1,3-Dichlorobenzene	8.109	146	112799	38.994	ng	96
13) 1,4-Dichlorobenzene	8.256	146	115581	39.296	ng	96
14) 1,2-Dichlorobenzene	8.579	146	111009	39.129	ng	96
15) Benzyl Alcohol	8.449	79	110183	40.552	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.749	45	261188	37.166	ng	99
17) 2-Methylphenol	8.449	107	57159	42.086	ng	97
18) Hexachloroethane	9.319	117	39284	38.059	ng	97
19) n-Nitroso-di-n-propyla...	9.025	70	93647	41.125	ng	96
20) 3+4-Methylphenols	8.978	107	142125	41.772	ng	99
22) Acetophenone	9.043	105	189450	42.778	ng	# 95
24) Nitrobenzene	9.425	77	123596	42.129	ng	97
25) Isophorone	9.954	82	258646	39.961	ng	99
26) 2-Nitrophenol	10.142	139	42113	37.908	ng	97
27) 2,4-Dimethylphenol	10.189	122	117875	48.000	ng	95
28) bis(2-Chloroethoxy)met...	10.429	93	150179	40.752	ng	99
29) 2,4-Dichlorophenol	10.676	162	117361	45.296	ng	99
30) 1,2,4-Trichlorobenzene	10.905	180	124927	42.436	ng	99
31) Naphthalene	11.093	128	354488	39.465	ng	99
32) Benzoic acid	10.318	122	71315	41.400	ng	92
33) 4-Chloroaniline	11.187	127	75445	21.610	ng	98
34) Hexachlorobutadiene	11.387	225	89693	38.958	ng	93
35) Caprolactam	11.951	113	37453m	37.689	ng	
36) 4-Chloro-3-methylphenol	12.292	107	133753	42.946	ng	96
37) 2-Methylnaphthalene	12.686	142	241083	36.557	ng	99
38) 1-Methylnaphthalene	12.903	142	253651	39.089	ng	96
40) 1,2,4,5-Tetrachloroben...	13.050	216	183253	41.853	ng	99
41) Hexachlorocyclopentadiene	13.038	237	200216	101.591	ng	96
43) 2,4,6-Trichlorophenol	13.279	196	109331	43.653	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064586.D
 Acq On : 27 Oct 2025 14:00
 Operator : RC/JU
 Sample : PB170222BSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

PB170222BSD

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025

Quant Time: Oct 27 14:41:47 2025

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 16:40:26 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.344	196	125605	43.458	ng	98
46) 1,1'-Biphenyl	13.679	154	390910	42.145	ng	98
47) 2-Chloronaphthalene	13.726	162	275135	39.298	ng	99
48) 2-Nitroaniline	13.908	65	87764	38.057	ng	96
49) Acenaphthylene	14.566	152	498547	45.145	ng	99
50) Dimethylphthalate	14.290	163	391752	39.241	ng	99
51) 2,6-Dinitrotoluene	14.401	165	68546	42.037	ng	94
52) Acenaphthene	14.907	154	318306	42.188	ng	98
53) 3-Nitroaniline	14.724	138	51553	30.048	ng	96
54) 2,4-Dinitrophenol	14.930	184	75685	75.233	ng	# 40
55) Dibenzofuran	15.236	168	477686	39.162	ng	96
56) 4-Nitrophenol	15.018	139	130581	82.092	ng	99
57) 2,4-Dinitrotoluene	15.183	165	102108	40.594	ng	# 100
58) Fluorene	15.882	166	382963	40.202	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.453	232	125326	45.346	ng	98
60) Diethylphthalate	15.647	149	392719	38.527	ng	100
61) 4-Chlorophenyl-phenyle...	15.876	204	210881	39.447	ng	99
62) 4-Nitroaniline	15.882	138	76243	39.945	ng	98
63) Azobenzene	16.164	77	372928	39.873	ng	98
65) 4,6-Dinitro-2-methylph...	15.941	198	53380	40.813	ng	95
66) n-Nitrosodiphenylamine	16.082	169	347155	42.268	ng	99
67) 4-Bromophenyl-phenylether	16.763	248	147381	40.903	ng	98
68) Hexachlorobenzene	16.887	284	169942	41.342	ng	95
69) Atrazine	17.022	200	140812	39.839	ng	97
70) Pentachlorophenol	17.221	266	221775	86.519	ng	93
71) Phenanthrene	17.621	178	673998	40.535	ng	99
72) Anthracene	17.709	178	676527	39.998	ng	99
73) Carbazole	17.968	167	595884	39.952	ng	99
74) Di-n-butylphthalate	18.532	149	666573	38.648	ng	99
75) Fluoranthene	19.613	202	807948	38.788	ng	99
77) Benzidine	19.777	184	190724	26.545	ng	100
78) Pyrene	19.971	202	836965	39.945	ng	100
80) Butylbenzylphthalate	20.853	149	278893	44.040	ng	97
81) Benzo(a)anthracene	21.834	228	874446	41.123	ng	99
82) 3,3'-Dichlorobenzidine	21.734	252	205104	28.885	ng	99
83) Chrysene	21.904	228	817870	40.422	ng	99
84) Bis(2-ethylhexyl)phtha...	21.746	149	405733	42.877	ng	98
85) Di-n-octyl phthalate	23.009	149	675821	42.361	ng	98
87) Indeno(1,2,3-cd)pyrene	29.025	276	1024158	42.688	ng	98
88) Benzo(b)fluoranthene	24.131	252	869051	43.456	ng	100
89) Benzo(k)fluoranthene	24.207	252	862673	43.107	ng	99
90) Benzo(a)pyrene	25.042	252	822967	44.768	ng	99
91) Dibenzo(a,h)anthracene	29.108	278	848995	43.557	ng	99
92) Benzo(g,h,i)perylene	29.025	276	1024158	42.688	ng	98

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

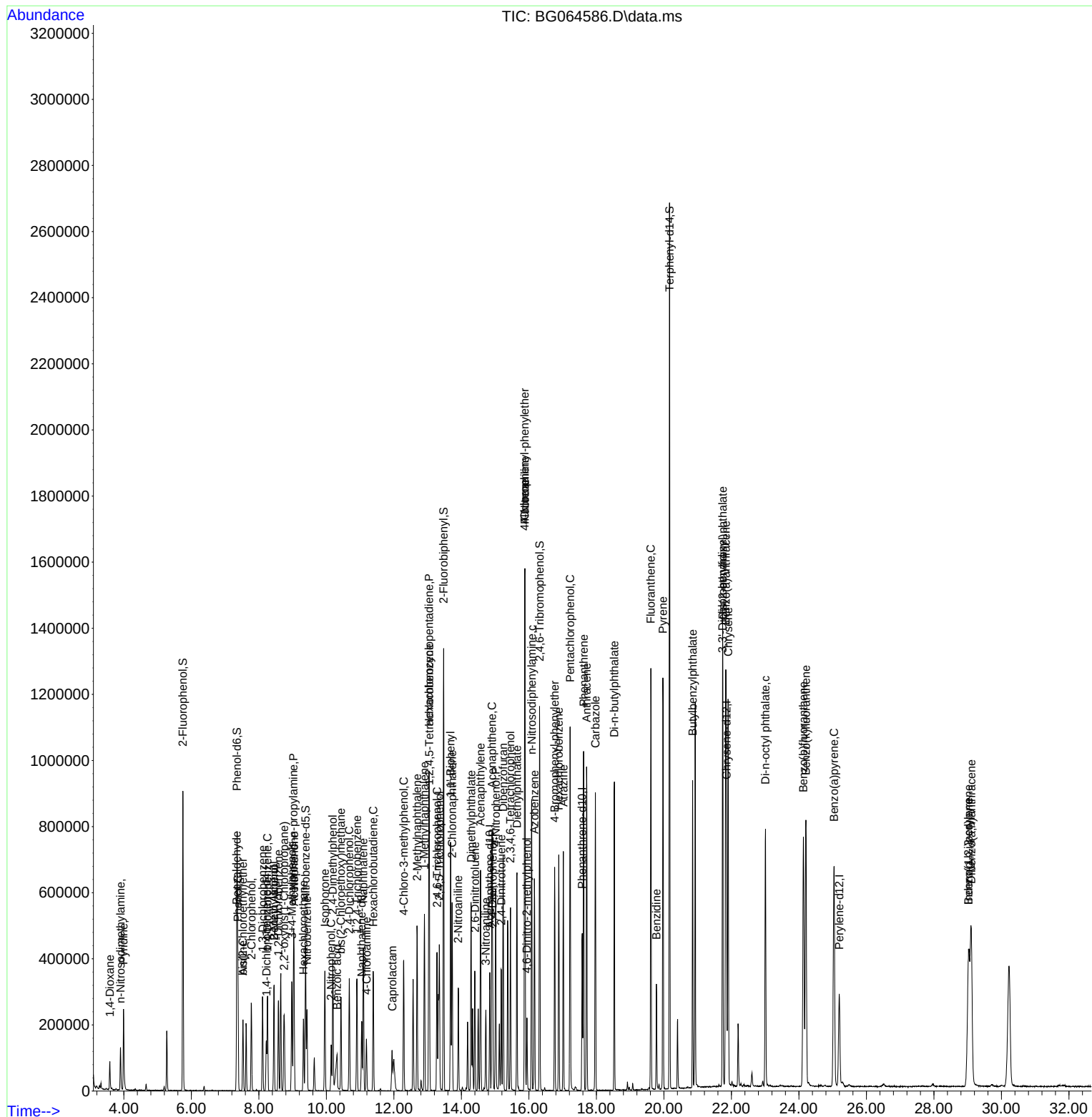
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
Data File : BG064586.D
Acq On : 27 Oct 2025 14:00
Operator : RC/JU
Sample : PB170222BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB170222BSD

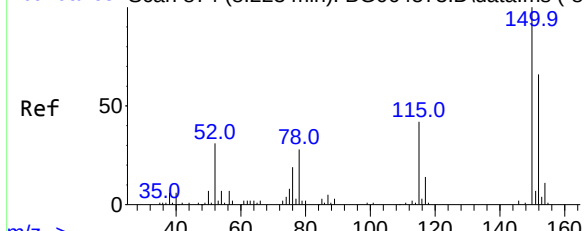
Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

Quant Time: Oct 27 14:41:47 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



Abundance Scan 874 (8.223 min): BG064573.D\data.ms (-86)



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.220 min Scan# 81

Delta R.T. -0.001 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Instrument :

BNA_G

ClientSampleId :

PB170222BSD

Tgt Ion:152 Resp: 40304

Ion Ratio Lower Upper

152 100

150 151.3 122.2 183.4

115 58.2 50.8 76.2

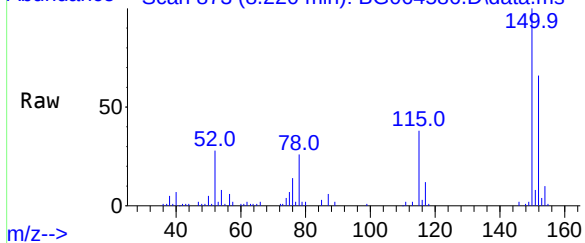
Manual Integrations

APPROVED

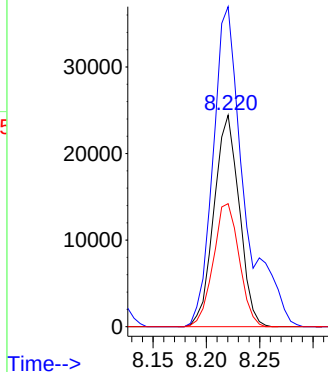
Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025

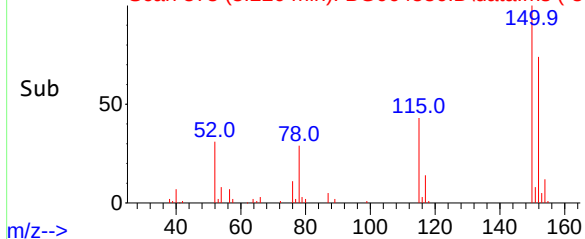
Abundance Scan 873 (8.220 min): BG064586.D\data.ms



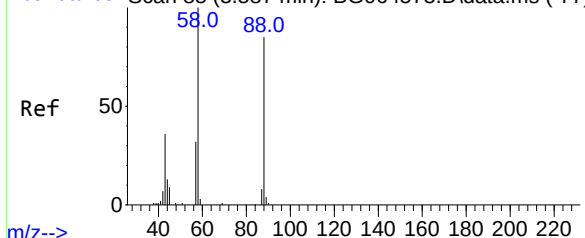
Abundance



Abundance Scan 873 (8.220 min): BG064586.D\data.ms (-85)



Abundance Scan 85 (3.587 min): BG064573.D\data.ms (-77)



#2

1,4-Dioxane

Concen: 34.341 ng

RT: 3.585 min Scan# 84

Delta R.T. -0.006 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Tgt Ion: 88 Resp: 36507

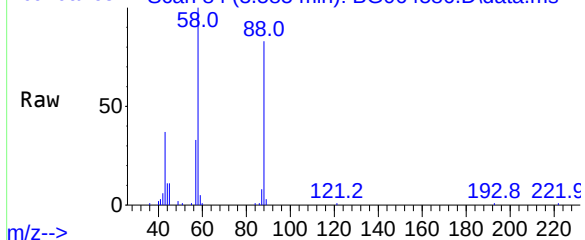
Ion Ratio Lower Upper

88 100

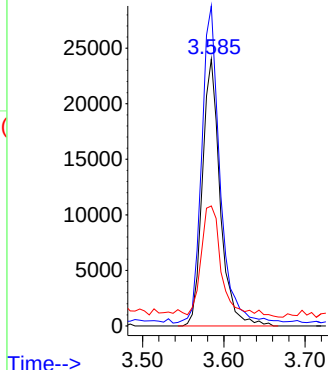
58 120.6 92.4 138.6

43 48.4 33.0 49.6

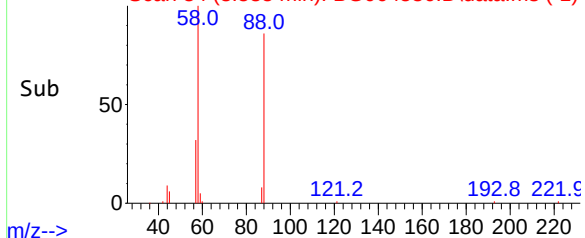
Abundance Scan 84 (3.585 min): BG064586.D\data.ms

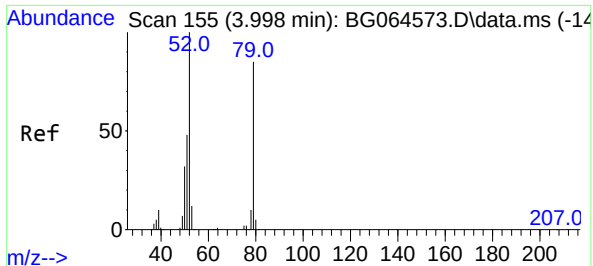


Abundance



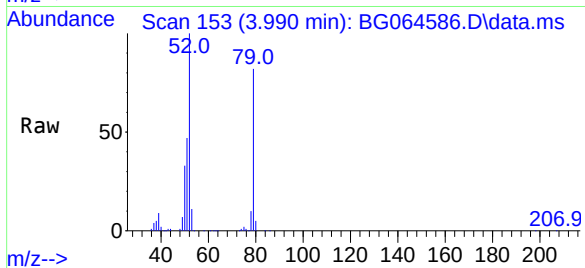
Abundance Scan 84 (3.585 min): BG064586.D\data.ms (-1)





#3
Pyridine
Concen: 33.907 ng
RT: 3.990 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

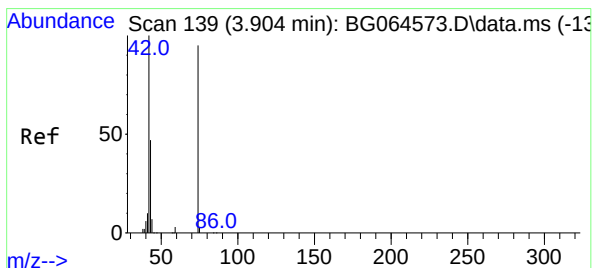
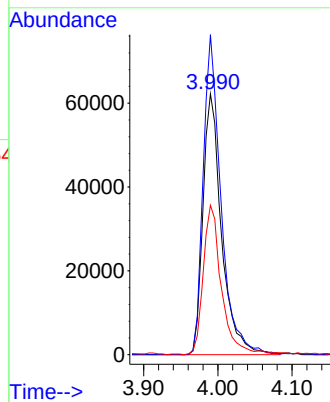
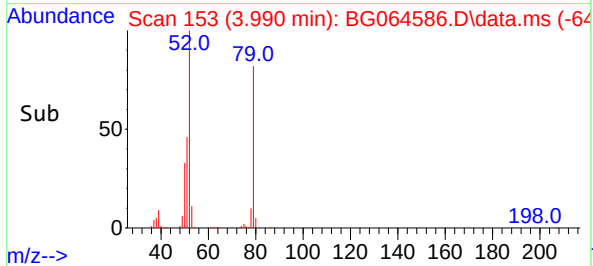
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



Tgt Ion: 79 Resp: 10824
Ion Ratio Lower Upper
79 100
52 122.7 94.2 141.2
51 57.3 46.1 69.1

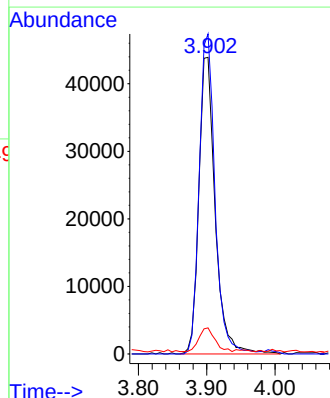
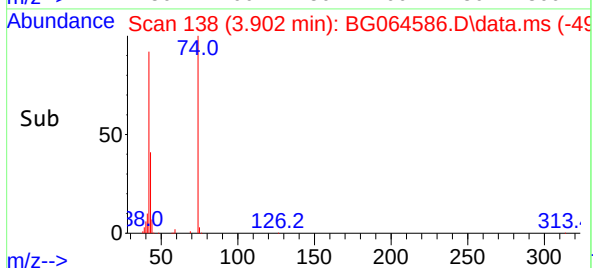
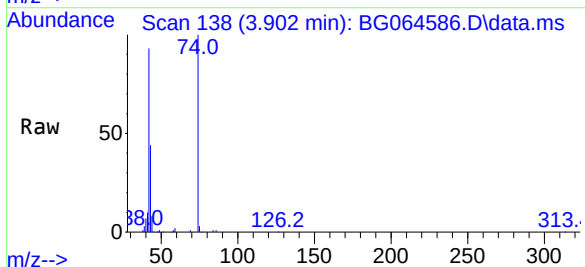
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

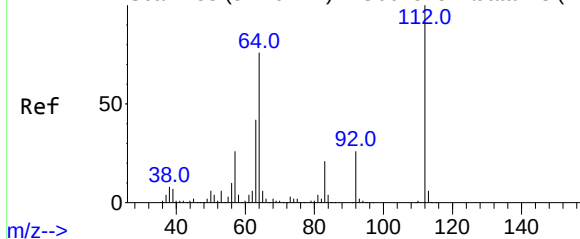


#4
n-Nitrosodimethylamine
Concen: 42.850 ng
RT: 3.902 min Scan# 138
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Tgt Ion: 42 Resp: 73358
Ion Ratio Lower Upper
42 100
74 107.9 76.1 114.1
44 8.8 6.3 9.5



Abundance Scan 453 (5.749 min): BG064573.D\data.ms (-44



#5

2-Fluorophenol

Concen: 144.897 ng

RT: 5.747 min Scan# 41

Delta R.T. -0.000 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

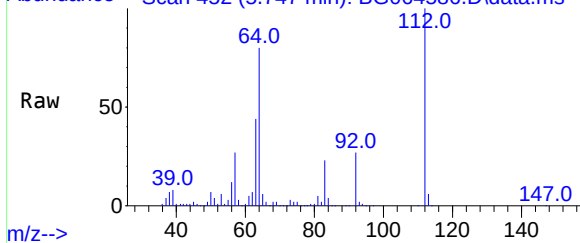
Instrument :

BNA_G

ClientSampleId :

PB170222BSD

Abundance Scan 452 (5.747 min): BG064586.D\data.ms



Tgt Ion:112 Resp: 34792

Ion Ratio Lower Upper

112 100

64 80.4 60.7 91.1

63 44.0 33.4 50.0

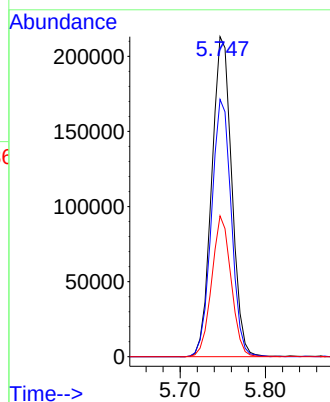
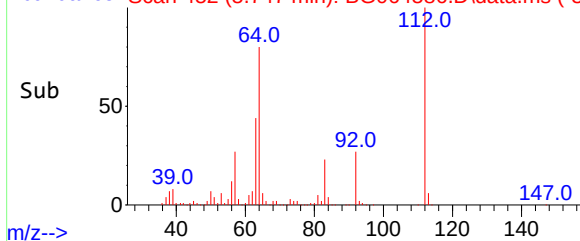
Manual Integrations

APPROVED

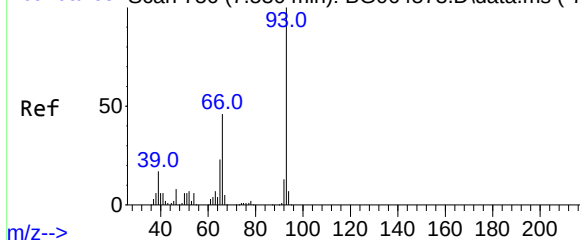
Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025

Abundance Scan 452 (5.747 min): BG064586.D\data.ms (-36



Abundance Scan 756 (7.530 min): BG064573.D\data.ms (-74



#6

Aniline

Concen: 27.915 ng

RT: 7.527 min Scan# 755

Delta R.T. -0.006 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Tgt Ion: 93 Resp: 125159

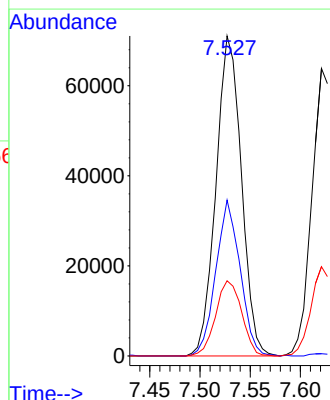
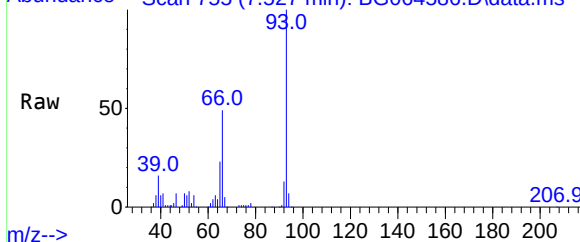
Ion Ratio Lower Upper

93 100

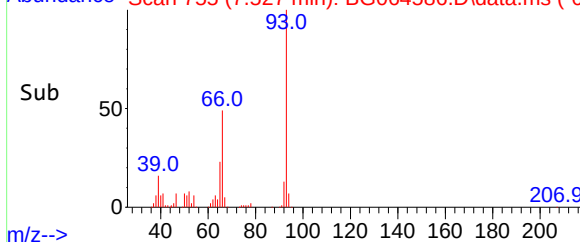
66 48.7 37.0 55.6

65 23.5 18.3 27.5

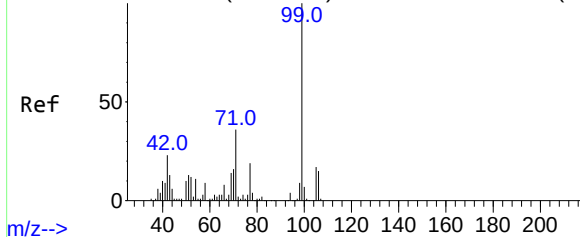
Abundance Scan 755 (7.527 min): BG064586.D\data.ms



Abundance Scan 755 (7.527 min): BG064586.D\data.ms (-66

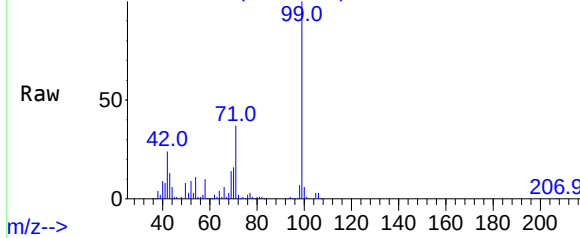


Abundance Scan 726 (7.353 min): BG064573.D\data.ms (-71



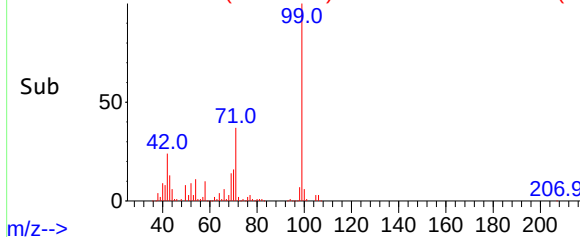
m/z-->

Abundance Scan 725 (7.351 min): BG064586.D\data.ms



m/z-->

Abundance Scan 725 (7.351 min): BG064586.D\data.ms (-63



m/z-->

#7

Phenol-d6

Concen: 125.093 ng

RT: 7.351 min Scan# 71

Delta R.T. -0.006 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Instrument :

BNA_G

ClientSampleId :

PB170222BSD

Tgt Ion: 99 Resp: 412174

Ion Ratio Lower Upper

99 100

42 24.0 18.3 27.5

71 36.5 28.6 43.0

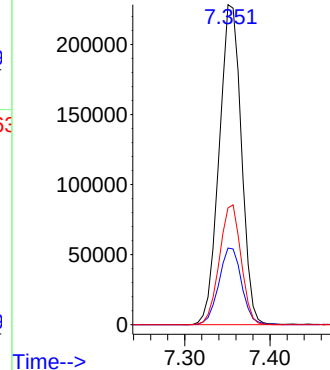
Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

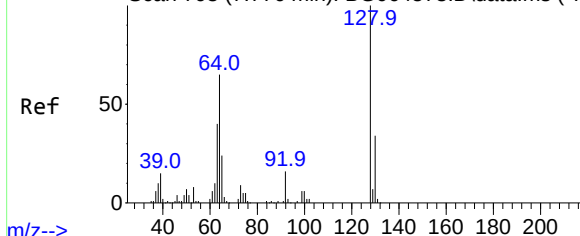
Supervised By :Jagrut Upadhyay 10/28/2025

Abundance



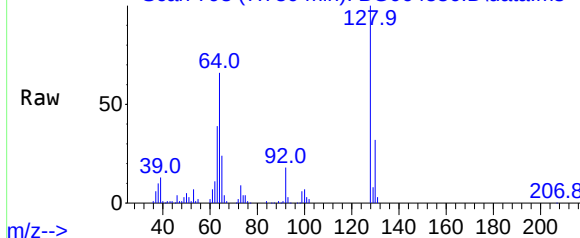
Time-->

Abundance Scan 798 (7.776 min): BG064573.D\data.ms (-75



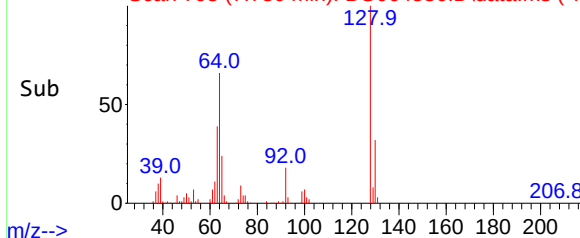
m/z-->

Abundance Scan 798 (7.780 min): BG064586.D\data.ms



m/z-->

Abundance Scan 798 (7.780 min): BG064586.D\data.ms (-70



m/z-->

#8

2-Chlorophenol

Concen: 43.793 ng

RT: 7.780 min Scan# 798

Delta R.T. -0.000 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Tgt Ion:128 Resp: 110065

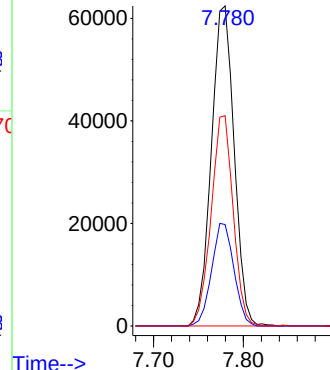
Ion Ratio Lower Upper

128 100

130 31.7 13.5 53.5

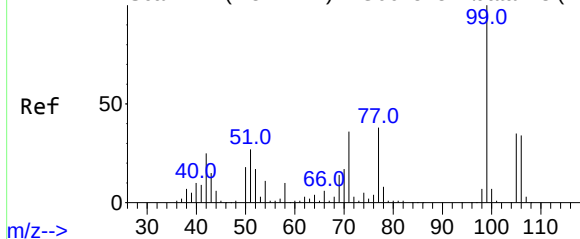
64 65.7 45.2 85.2

Abundance



Time-->

Abundance Scan 724 (7.342 min): BG064573.D\data.ms (-71



#9

Benzaldehyde

Concen: 13.265 ng

RT: 7.339 min Scan# 71

Delta R.T. -0.000 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Instrument :

BNA_G

ClientSampleId :

PB170222BSD

Tgt Ion: 77 Resp: 2386

Ion Ratio Lower Upper

77 100

105 97.7 72.9 112.9

106 81.8 70.8 110.8

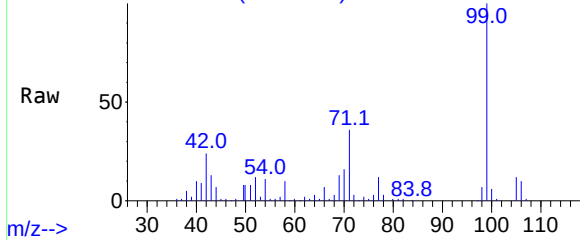
Manual Integrations

APPROVED

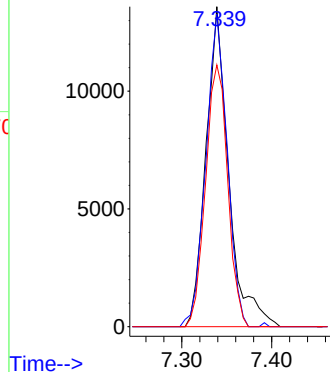
Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025

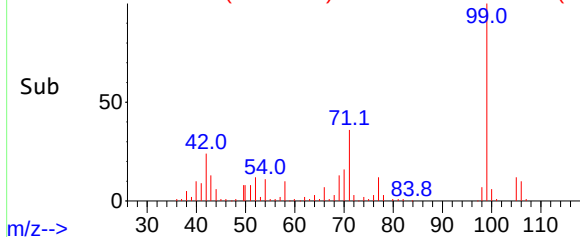
Abundance Scan 723 (7.339 min): BG064586.D\data.ms



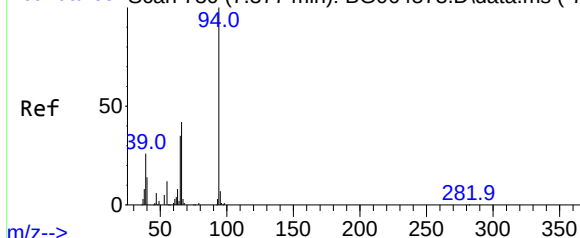
Abundance



Abundance Scan 723 (7.339 min): BG064586.D\data.ms (-70



Abundance Scan 730 (7.377 min): BG064573.D\data.ms (-72



#10

Phenol

Concen: 42.294 ng

RT: 7.380 min Scan# 730

Delta R.T. -0.006 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Tgt Ion: 94 Resp: 154116

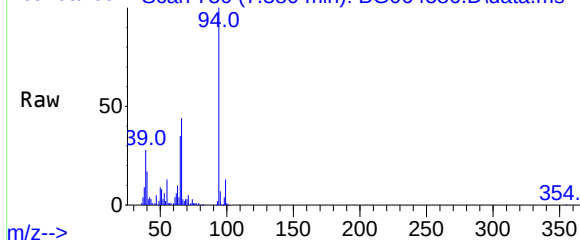
Ion Ratio Lower Upper

94 100

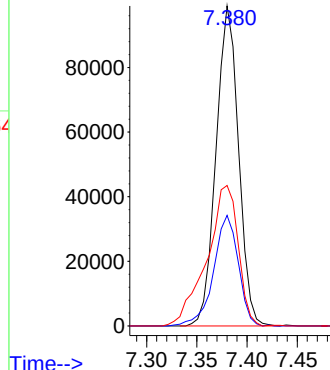
65 34.5 15.8 55.8

66 43.9 24.0 64.0

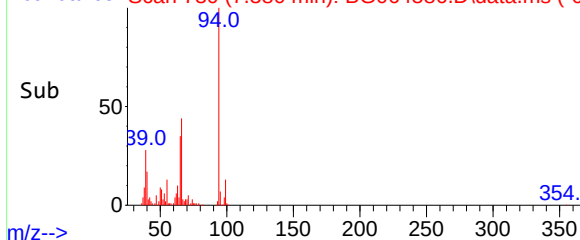
Abundance Scan 730 (7.380 min): BG064586.D\data.ms

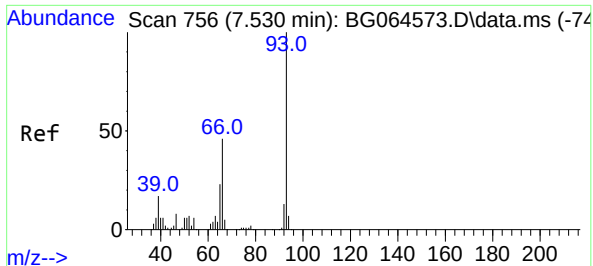


Abundance



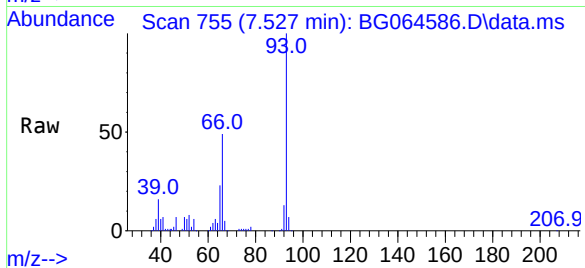
Abundance Scan 730 (7.380 min): BG064586.D\data.ms (-64





#11
bis(2-Chloroethyl)ether
Concen: 27.915 ng
RT: 7.527 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

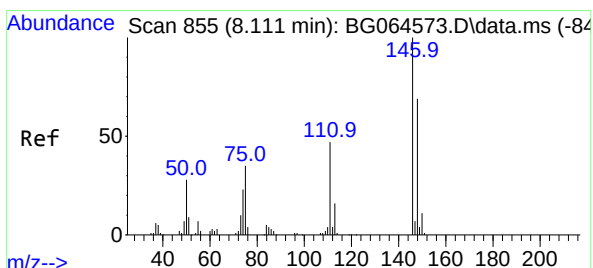
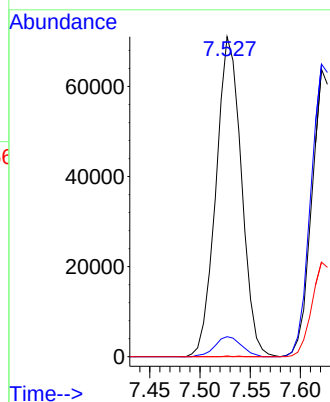
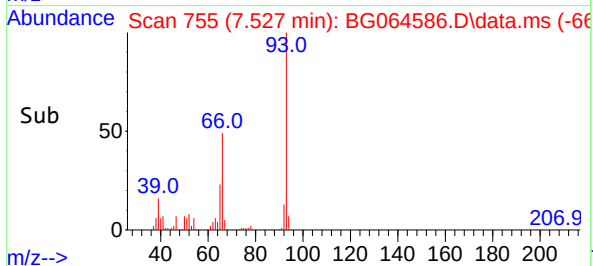
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



Tgt Ion: 93 Resp: 125159
Ion Ratio Lower Upper
93 100
63 6.2 0.0 27.4
95 0.3 0.0 20.2

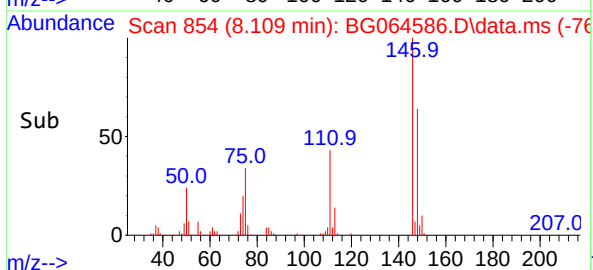
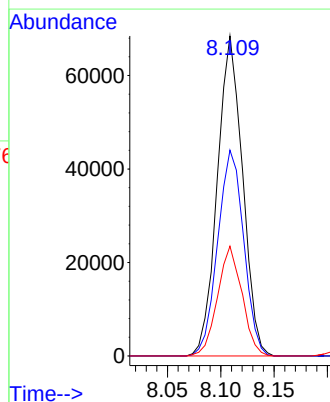
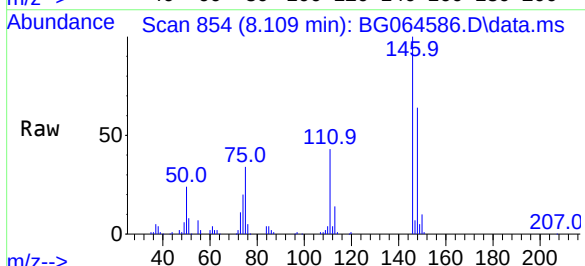
Manual Integrations
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Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

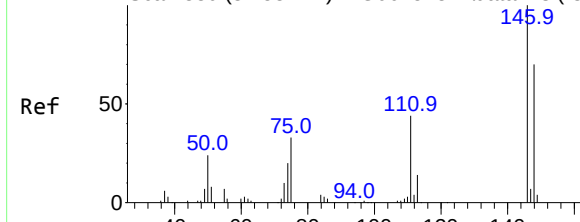


#12
1,3-Dichlorobenzene
Concen: 38.994 ng
RT: 8.109 min Scan# 854
Delta R.T. -0.000 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Tgt Ion:146 Resp: 112799
Ion Ratio Lower Upper
146 100
148 64.3 55.3 82.9
75 34.3 28.2 42.2



Abundance Scan 880 (8.258 min): BG064573.D\data.ms (-87



#13

1,4-Dichlorobenzene

Concen: 39.296 ng

RT: 8.256 min Scan# 81

Delta R.T. -0.000 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Instrument :

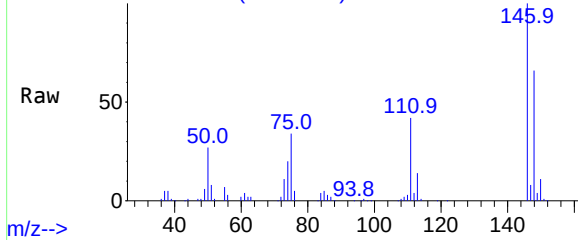
BNA_G

ClientSampleId :

PB170222BSD

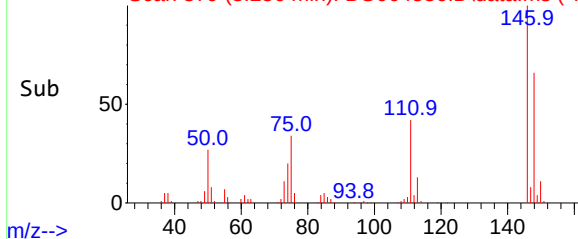
m/z-->

Abundance Scan 879 (8.256 min): BG064586.D\data.ms



m/z-->

Abundance Scan 879 (8.256 min): BG064586.D\data.ms (-78



m/z-->

Tgt Ion:146 Resp: 11558

Ion Ratio Lower Upper

146 100

148 66.5 56.2 84.4

111 41.7 35.4 53.0

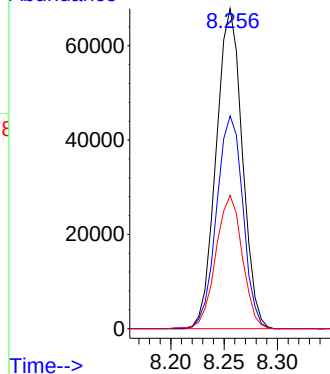
Manual Integrations

APPROVED

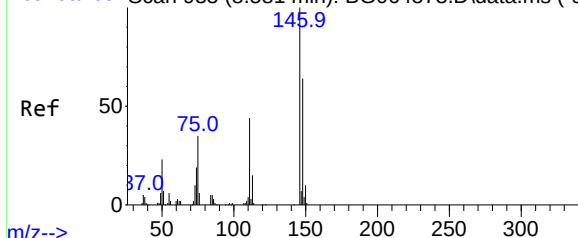
Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025

Abundance

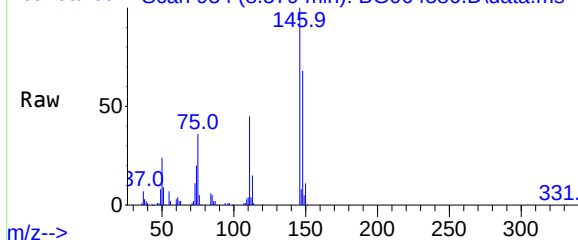


Abundance Scan 935 (8.581 min): BG064573.D\data.ms (-92



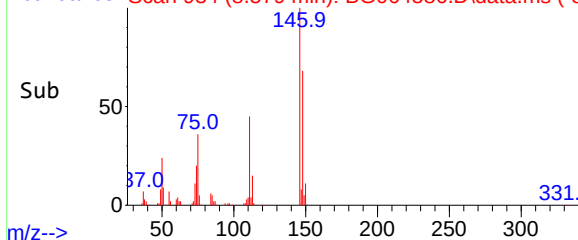
m/z-->

Abundance Scan 934 (8.579 min): BG064586.D\data.ms



m/z-->

Abundance Scan 934 (8.579 min): BG064586.D\data.ms (-84



m/z-->

#14

1,2-Dichlorobenzene

Concen: 39.129 ng

RT: 8.579 min Scan# 934

Delta R.T. -0.000 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Tgt Ion:146 Resp: 111009

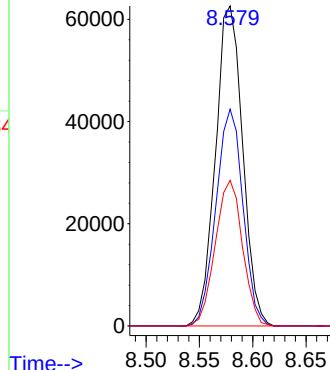
Ion Ratio Lower Upper

146 100

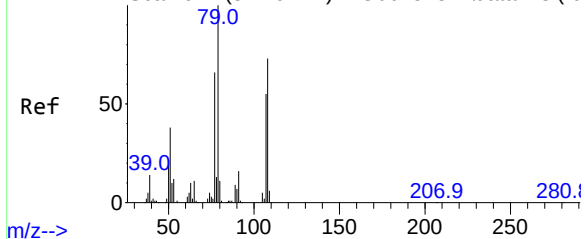
148 67.8 51.5 77.3

111 45.5 35.0 52.6

Abundance



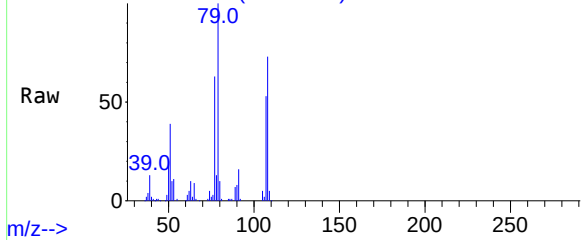
Abundance Scan 912 (8.446 min): BG064573.D\data.ms (-90



#15
Benzyl Alcohol
Concen: 40.552 ng
RT: 8.449 min Scan# 912
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Instrument :
BNA_G
ClientSampleId :
PB170222BSD

Abundance Scan 912 (8.449 min): BG064586.D\data.ms

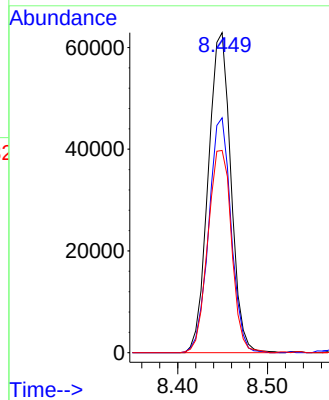
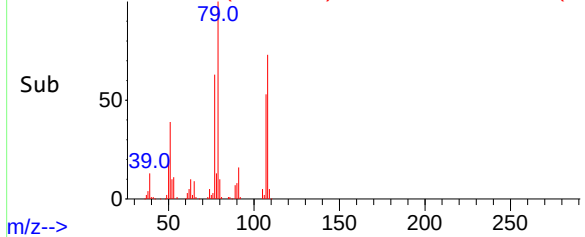


Tgt Ion: 79 Resp: 110188
Ion Ratio Lower Upper
79 100
108 73.4 58.1 87.1
77 63.2 52.8 79.2

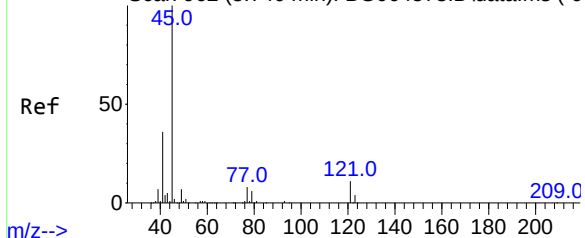
Manual Integrations
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Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

Abundance Scan 912 (8.449 min): BG064586.D\data.ms (-82



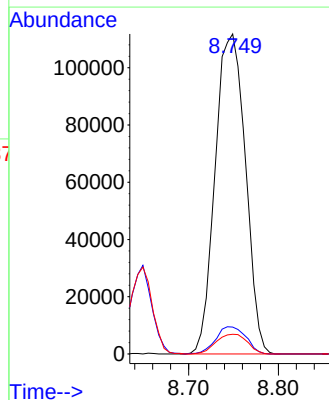
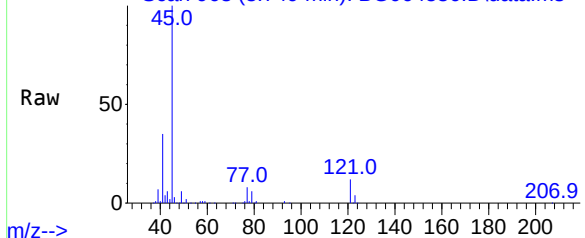
Abundance Scan 962 (8.740 min): BG064573.D\data.ms (-95



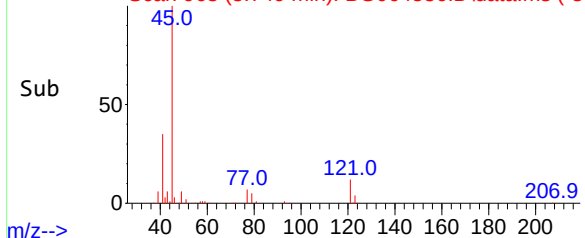
#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.166 ng
RT: 8.749 min Scan# 963
Delta R.T. 0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

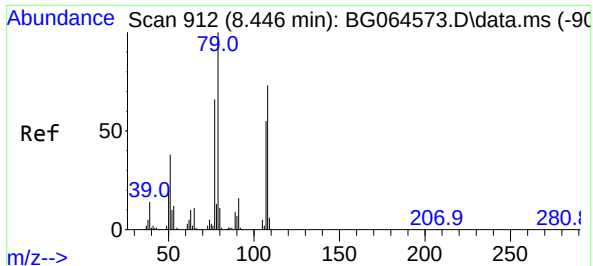
Tgt Ion: 45 Resp: 261188
Ion Ratio Lower Upper
45 100
77 8.4 0.0 28.5
79 6.2 0.0 25.6

Abundance Scan 963 (8.749 min): BG064586.D\data.ms



Abundance Scan 963 (8.749 min): BG064586.D\data.ms (-87





#17

2-Methylphenol

Concen: 42.086 ng

RT: 8.449 min Scan# 912

Delta R.T. -0.000 min

Lab File: BG064586.D

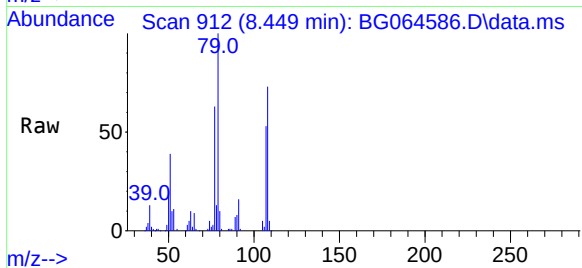
Acq: 27 Oct 2025 14:00

Instrument :

BNA_G

ClientSampleId :

PB170222BSD



Tgt Ion:107 Resp: 5715

Ion Ratio Lower Upper

107 100

108 137.5 106.4 159.6

77 118.4 96.7 145.1

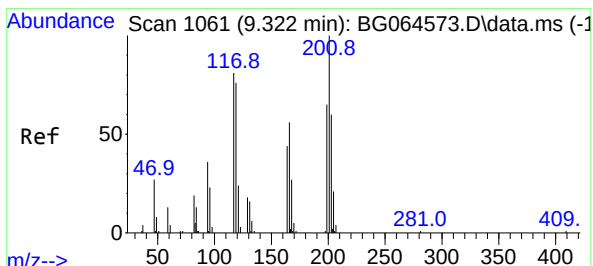
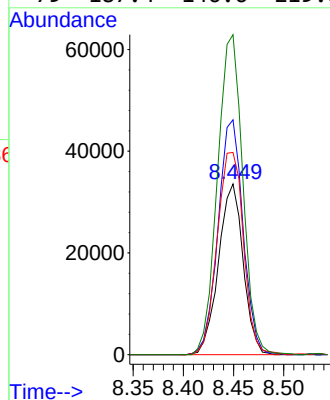
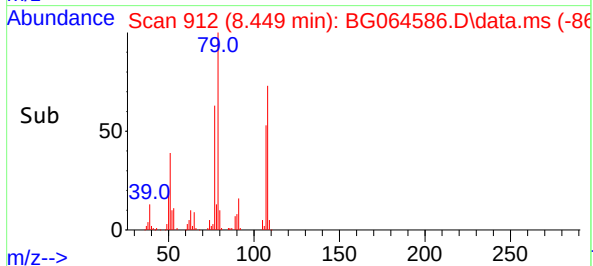
79 187.4 146.6 219.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025



#18

Hexachloroethane

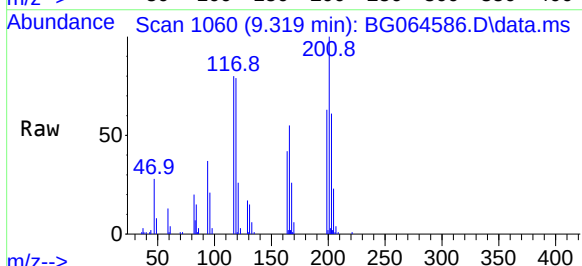
Concen: 38.059 ng

RT: 9.319 min Scan# 1060

Delta R.T. -0.006 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00



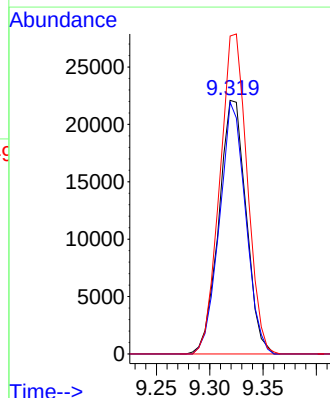
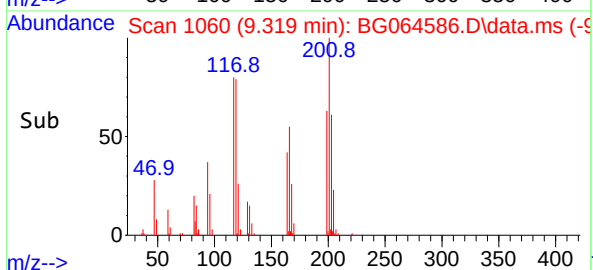
Tgt Ion:117 Resp: 39284

Ion Ratio Lower Upper

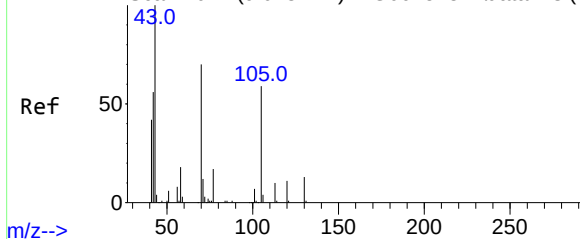
117 100

119 99.2 75.4 113.2

201 125.3 99.2 148.8



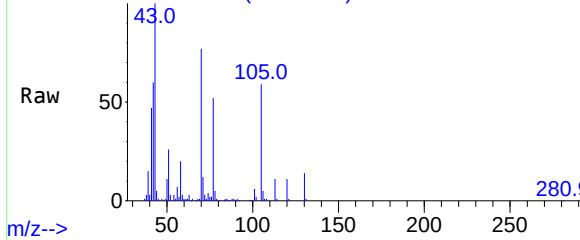
Abundance Scan 1011 (9.028 min): BG064573.D\data.ms (-1



#19
n-Nitroso-di-n-propylamine
Concen: 41.125 ng
RT: 9.025 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Instrument :
BNA_G
ClientSampleId :
PB170222BSD

Abundance Scan 1010 (9.025 min): BG064586.D\data.ms

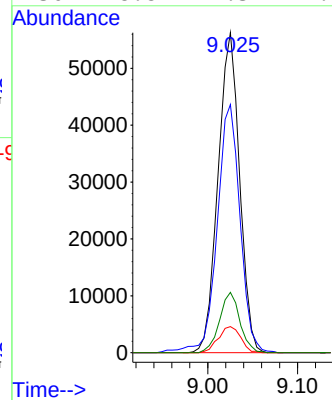
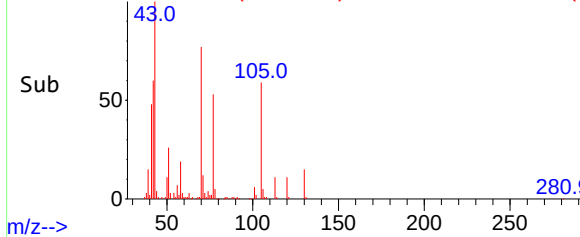


Tgt Ion: 70 Resp: 9364
Ion Ratio Lower Upper
70 100
42 77.5 65.2 97.8
101 8.2 7.9 11.9
130 18.8 14.3 21.5

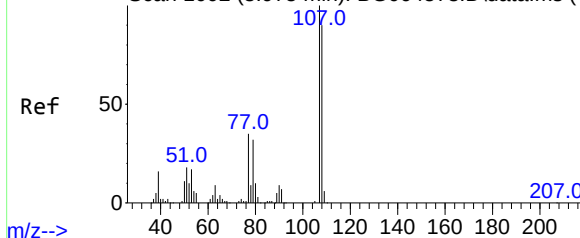
Manual Integrations
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Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

Abundance Scan 1010 (9.025 min): BG064586.D\data.ms (-9



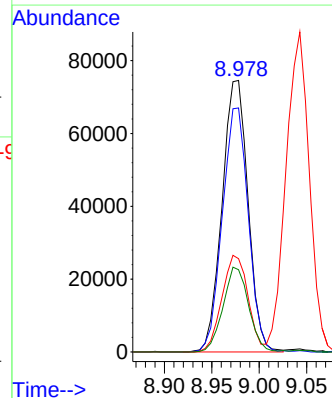
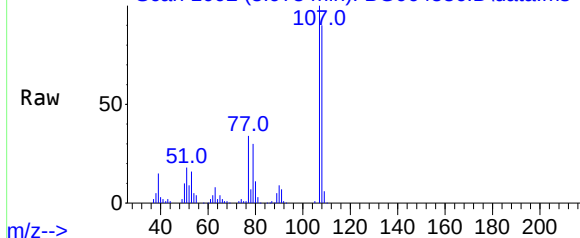
Abundance Scan 1002 (8.975 min): BG064573.D\data.ms (-9



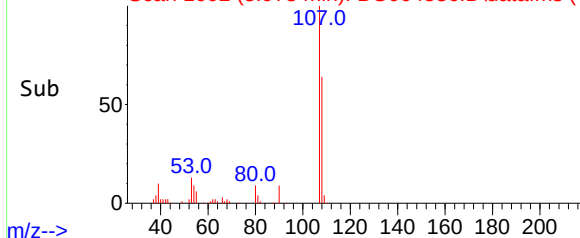
#20
3+4-Methylphenols
Concen: 41.772 ng
RT: 8.978 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

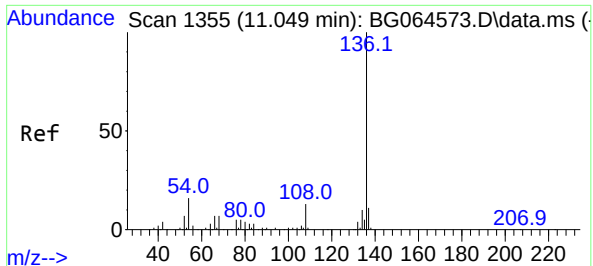
Tgt Ion:107 Resp: 142125
Ion Ratio Lower Upper
107 100
108 89.9 70.3 110.3
77 34.3 14.6 54.6
79 30.3 11.7 51.7

Abundance Scan 1002 (8.978 min): BG064586.D\data.ms



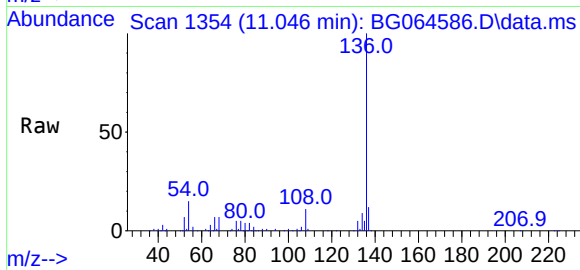
Abundance Scan 1002 (8.978 min): BG064586.D\data.ms (-9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.046 min Scan# 1103
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

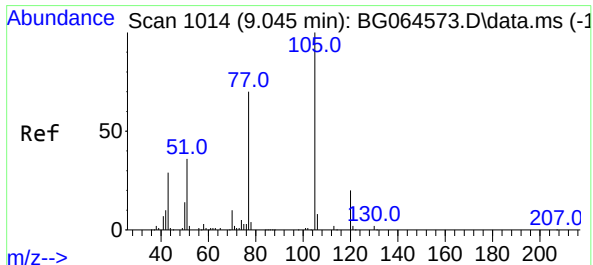
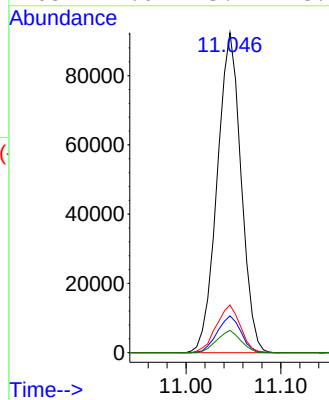
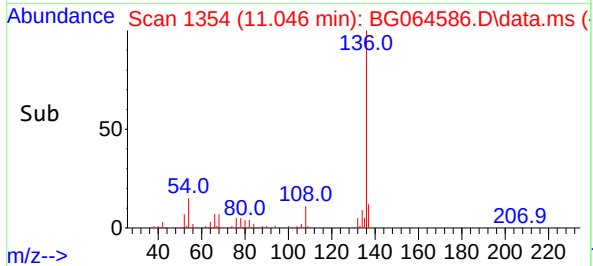
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



Tgt Ion:136 Resp: 162009
Ion Ratio Lower Upper
136 100
137 11.5 9.2 13.8
54 14.9 12.6 19.0
68 7.0 5.7 8.5

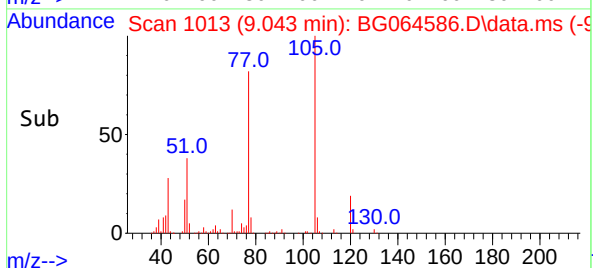
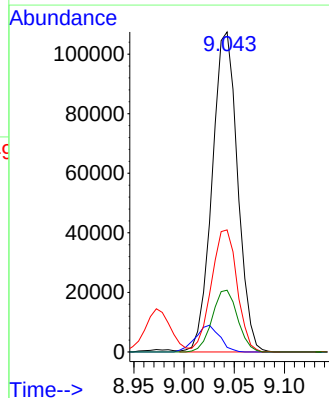
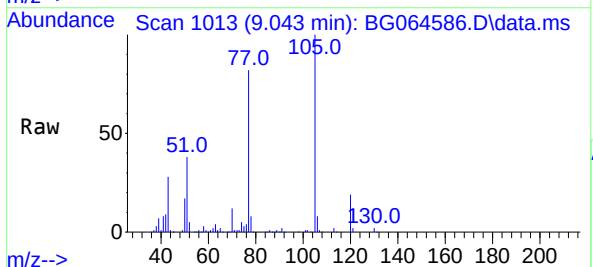
Manual Integrations
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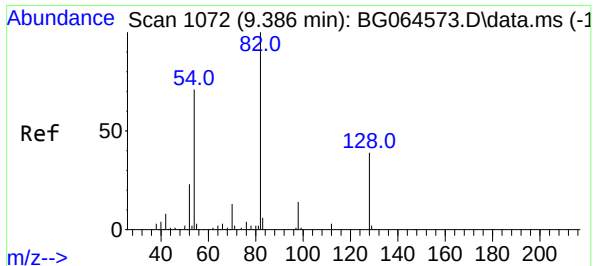
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#22
Acetophenone
Concen: 42.778 ng
RT: 9.043 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Tgt Ion:105 Resp: 189450
Ion Ratio Lower Upper
105 100
71 1.4 1.5 2.3#
51 38.1 33.7 50.5
120 19.3 16.1 24.1





#23

Nitrobenzene-d5

Concen: 88.461 ng

RT: 9.384 min Scan# 1072

Delta R.T. -0.006 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Instrument :

BNA_G

ClientSampleId :

PB170222BSD

Tgt Ion: 82 Resp: 238610

Ion Ratio Lower Upper

82 100

128 39.5 31.3 46.9

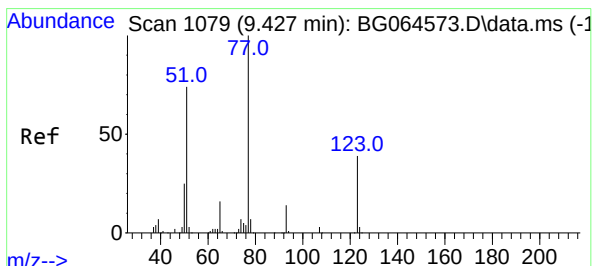
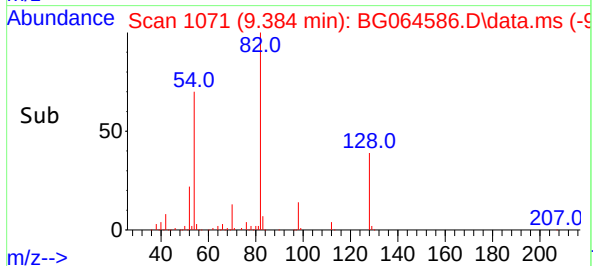
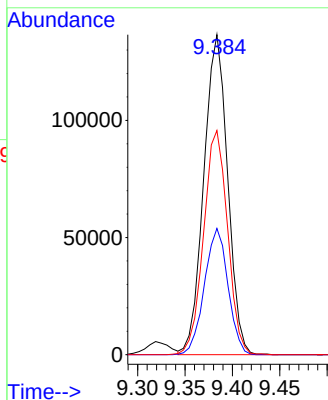
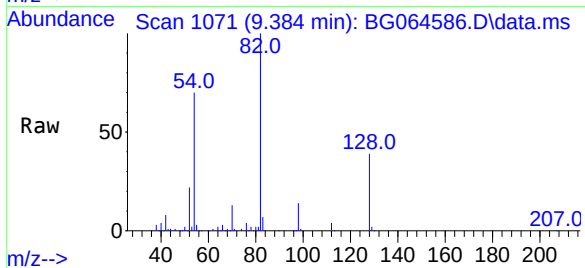
54 70.1 56.6 84.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025



#24

Nitrobenzene

Concen: 42.129 ng

RT: 9.425 min Scan# 1078

Delta R.T. -0.006 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

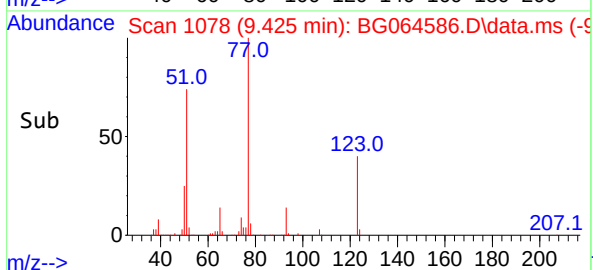
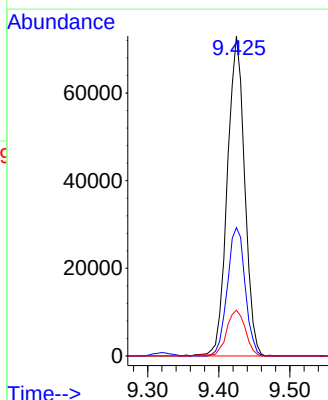
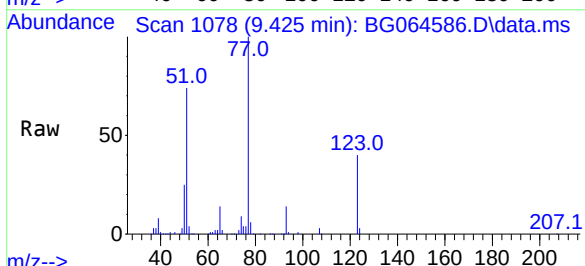
Tgt Ion: 77 Resp: 123596

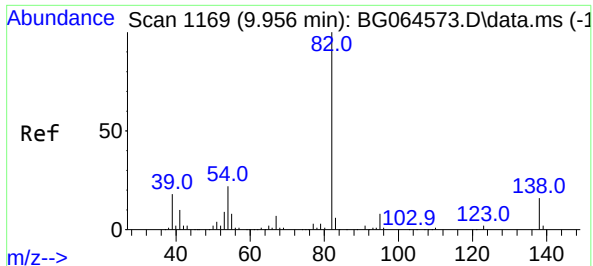
Ion Ratio Lower Upper

77 100

123 40.1 31.0 46.6

65 14.3 12.7 19.1





#25
Isophorone
Concen: 39.961 ng
RT: 9.954 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Instrument :

BNA_G

ClientSampleId :

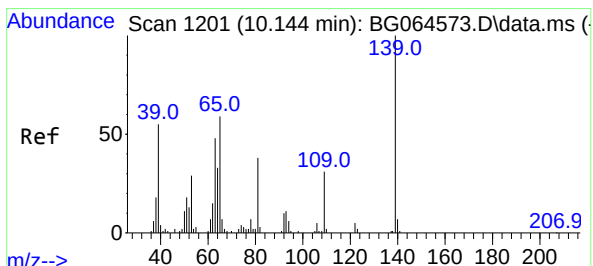
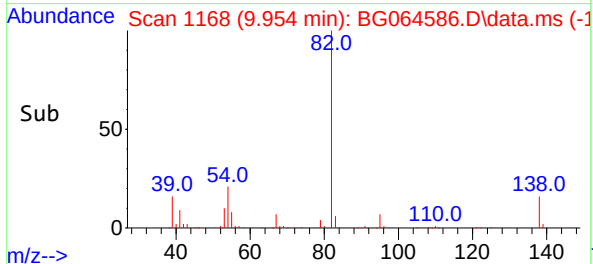
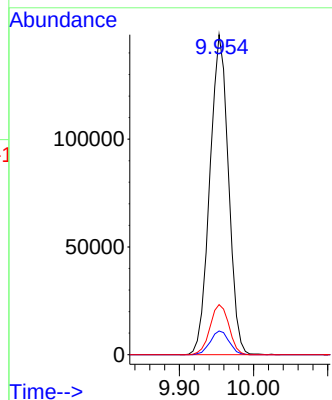
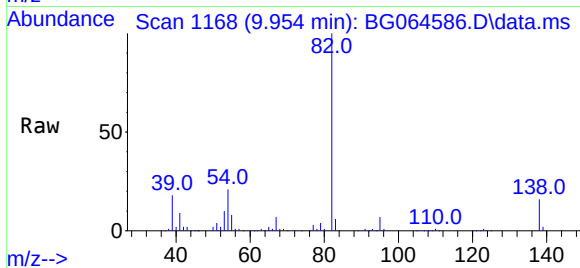
PB170222BSD

Tgt Ion: 82 Resp: 258640
Ion Ratio Lower Upper
82 100
95 7.4 6.1 9.1
138 15.6 13.0 19.4

Manual Integrations

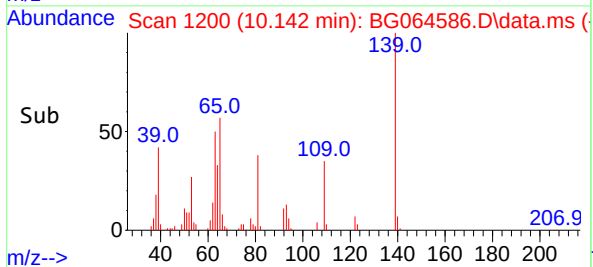
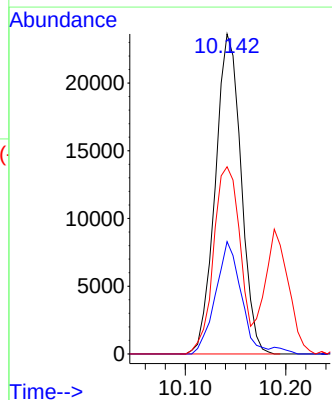
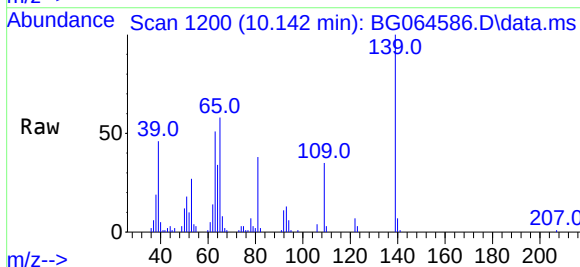
APPROVED

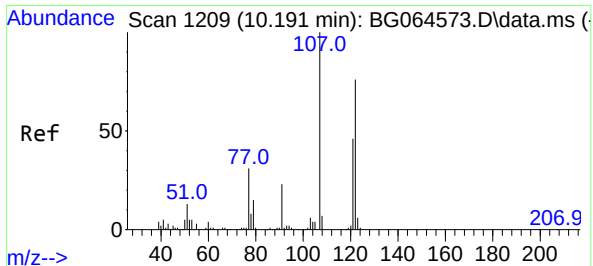
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#26
2-Nitrophenol
Concen: 37.908 ng
RT: 10.142 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

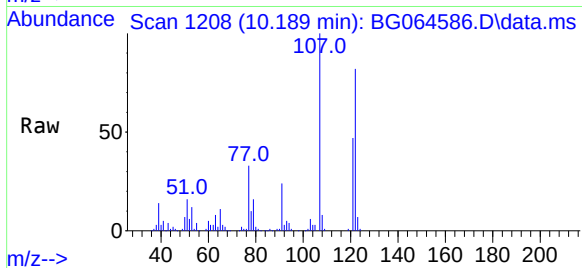
Tgt Ion:139 Resp: 42113
Ion Ratio Lower Upper
139 100
109 35.1 24.6 37.0
65 58.5 47.5 71.3





#27
2,4-Dimethylphenol
Concen: 48.000 ng
RT: 10.189 min Scan# 11787
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

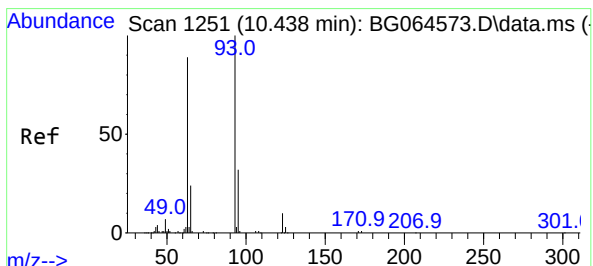
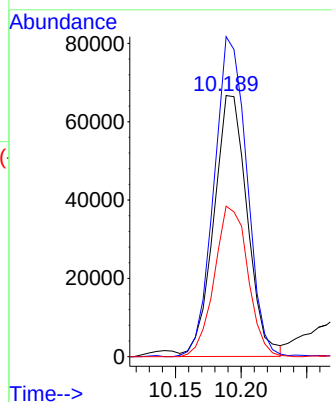
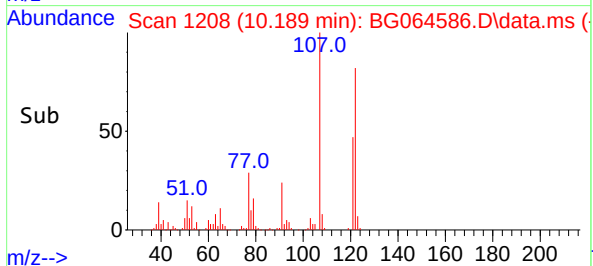
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



Tgt Ion:122 Resp: 11787
Ion Ratio Lower Upper
122 100
107 122.5 103.0 154.4
121 57.7 47.8 71.8

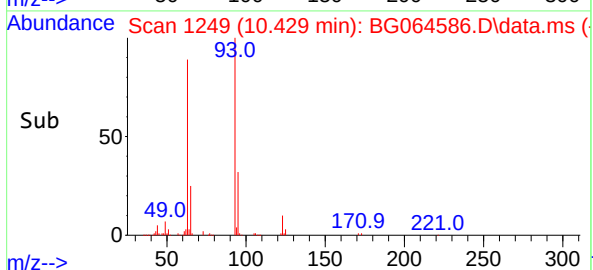
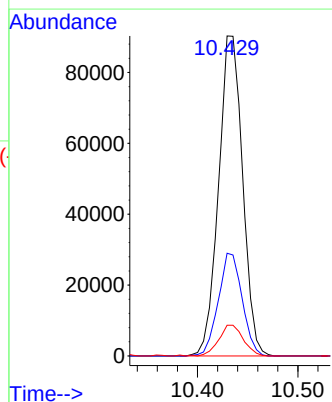
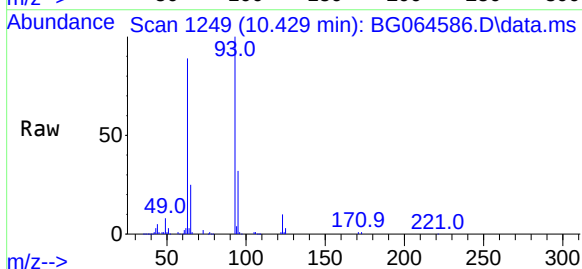
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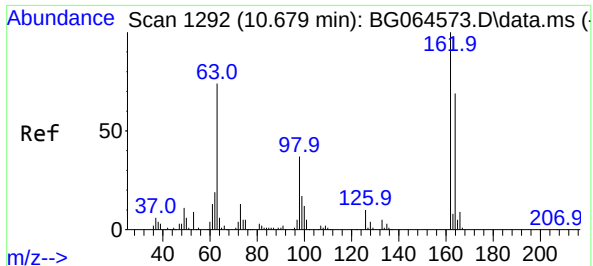
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#28
bis(2-Chloroethoxy)methane
Concen: 40.752 ng
RT: 10.429 min Scan# 1249
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Tgt Ion: 93 Resp: 150179
Ion Ratio Lower Upper
93 100
95 32.1 25.4 38.2
123 9.6 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 45.296 ng

RT: 10.676 min Scan# 1292

Delta R.T. -0.006 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Instrument :

BNA_G

ClientSampleId :

PB170222BSD

Tgt Ion:162 Resp: 11736

Ion Ratio Lower Upper

162 100

164 68.7 48.7 88.7

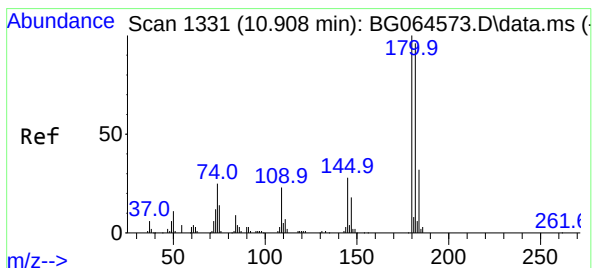
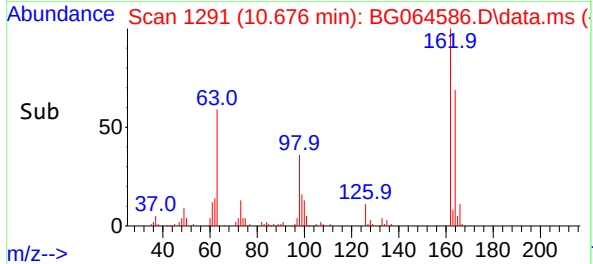
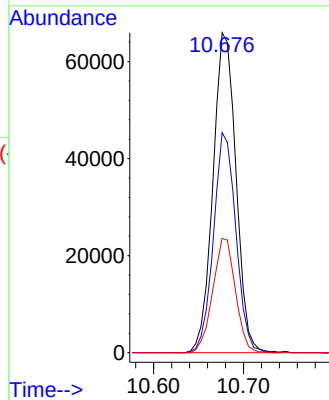
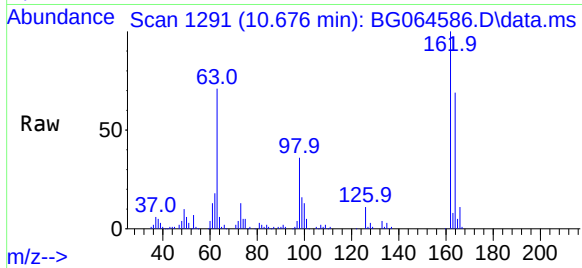
98 35.7 16.9 56.9

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Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025



#30

1,2,4-Trichlorobenzene

Concen: 42.436 ng

RT: 10.905 min Scan# 1330

Delta R.T. -0.000 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

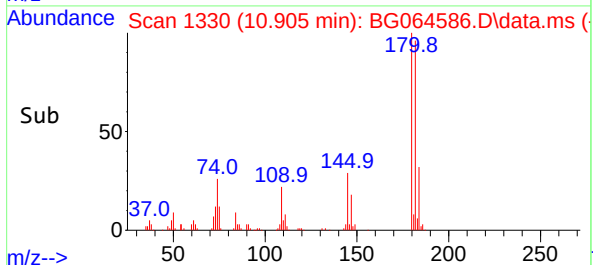
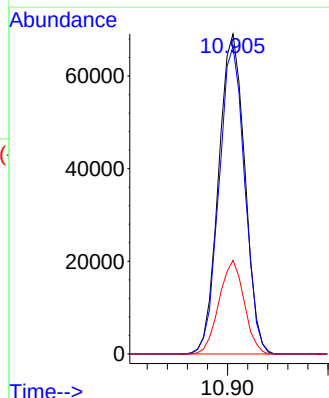
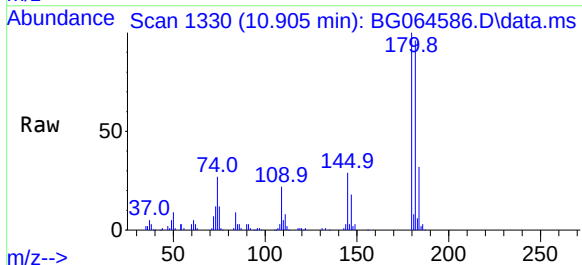
Tgt Ion:180 Resp: 124927

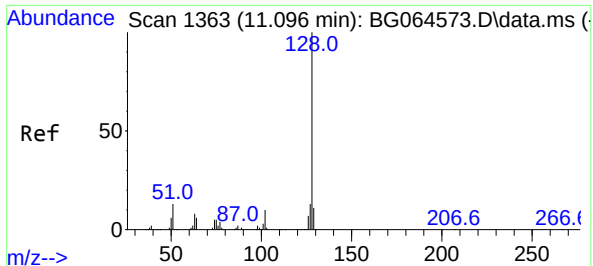
Ion Ratio Lower Upper

180 100

182 96.1 76.9 115.3

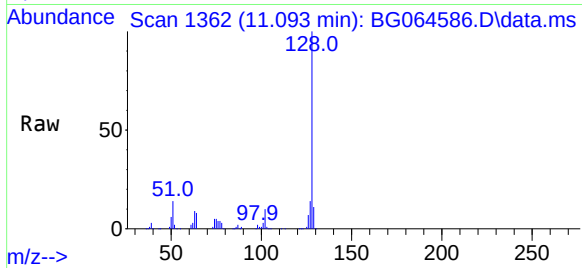
145 29.3 22.1 33.1





#31
Naphthalene
Concen: 39.465 ng
RT: 11.093 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

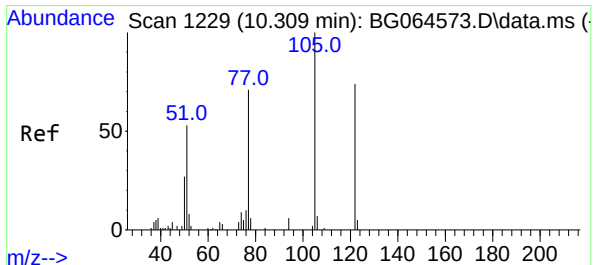
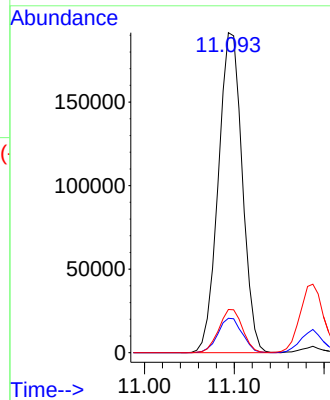
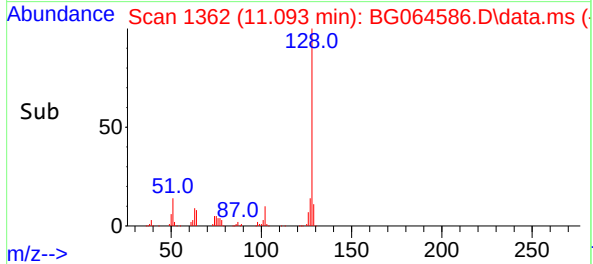
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



Tgt Ion:128 Resp: 35448
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.5 10.6 15.8

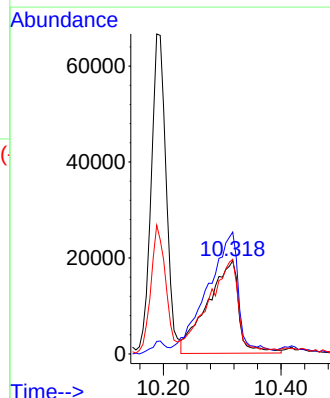
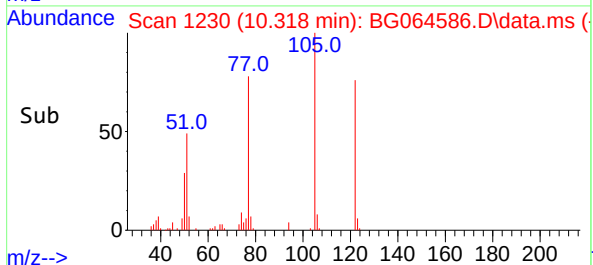
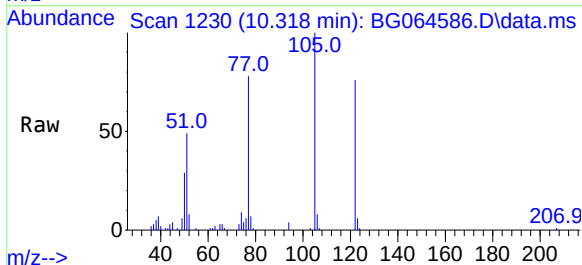
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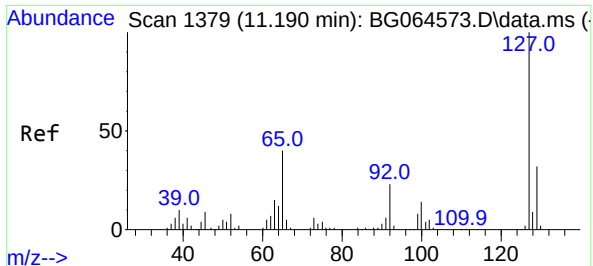
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#32
Benzoic acid
Concen: 41.400 ng
RT: 10.318 min Scan# 1230
Delta R.T. -0.024 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Tgt Ion:122 Resp: 71315
Ion Ratio Lower Upper
122 100
105 130.7 104.2 144.2
77 101.5 70.2 110.2





#33

4-Chloroaniline

Concen: 21.610 ng

RT: 11.187 min Scan# 11

Delta R.T. -0.000 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Instrument :

BNA_G

ClientSampleId :

PB170222BSD

Tgt Ion:127 Resp: 7544

Ion Ratio Lower Upper

127 100

129 33.8 25.5 38.3

65 39.4 32.2 48.4

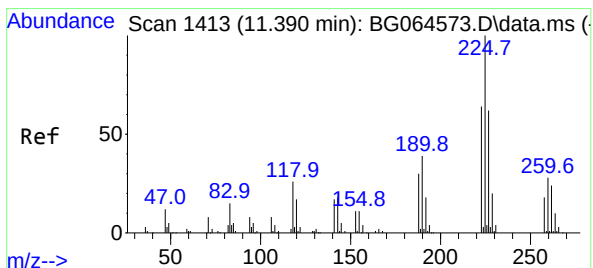
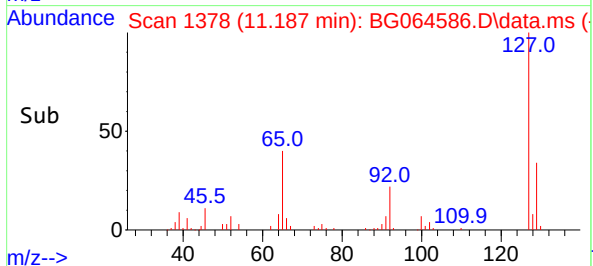
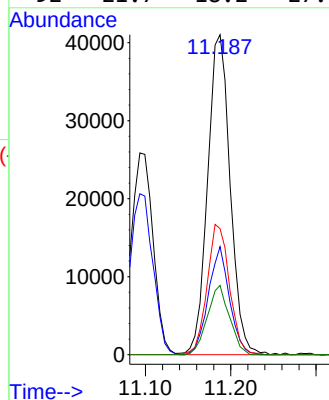
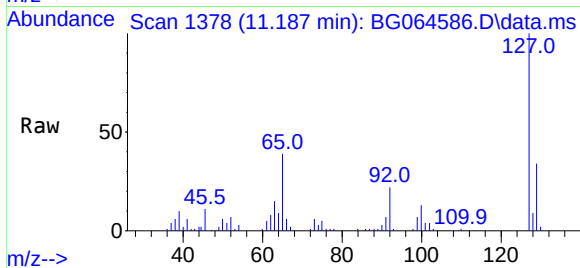
92 21.7 18.2 27.2

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Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025



#34

Hexachlorobutadiene

Concen: 38.958 ng

RT: 11.387 min Scan# 1412

Delta R.T. -0.006 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

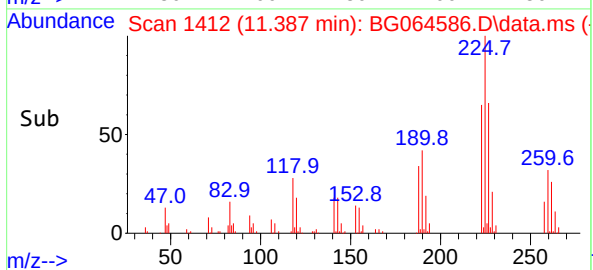
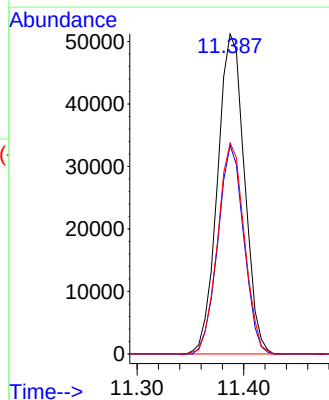
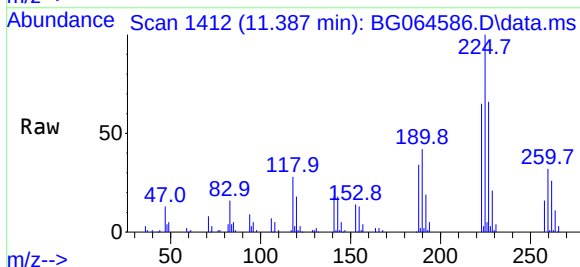
Tgt Ion:225 Resp: 89693

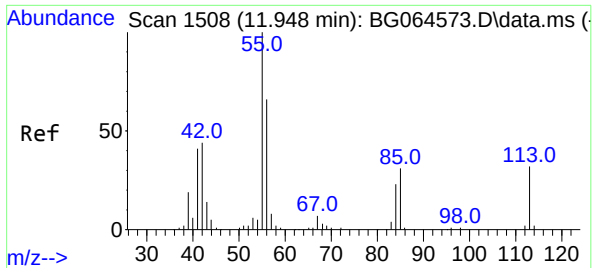
Ion Ratio Lower Upper

225 100

223 65.2 48.8 73.2

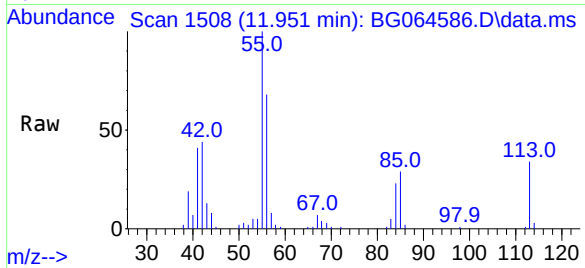
227 69.0 49.5 74.3





#35
Caprolactam
Concen: 37.689 ng m
RT: 11.951 min Scan# 11
Delta R.T. -0.024 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

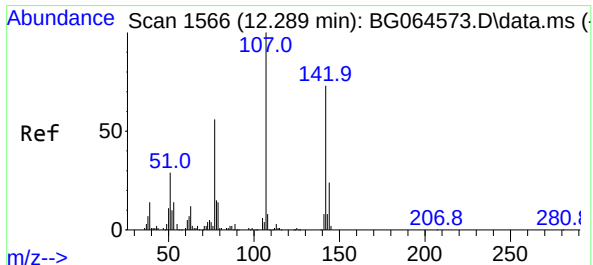
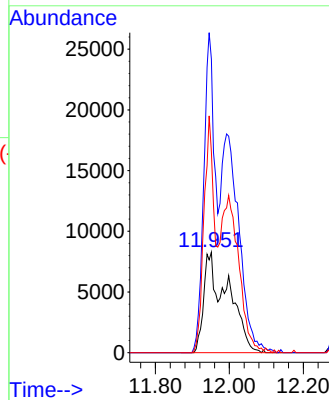
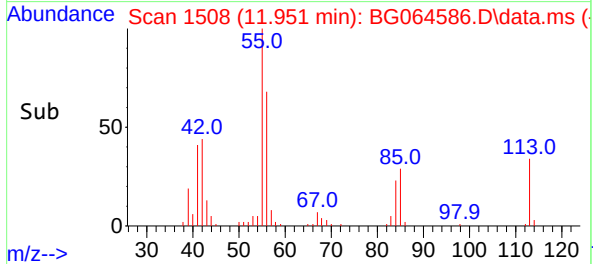
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



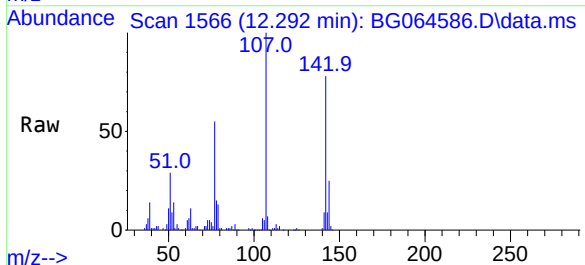
Tgt Ion:113 Resp: 3745
Ion Ratio Lower Upper
113 100
55 291.9 290.1 330.1
56 199.4 183.8 223.8

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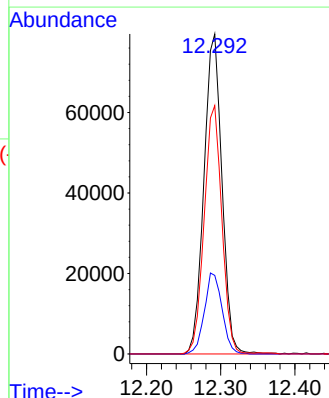
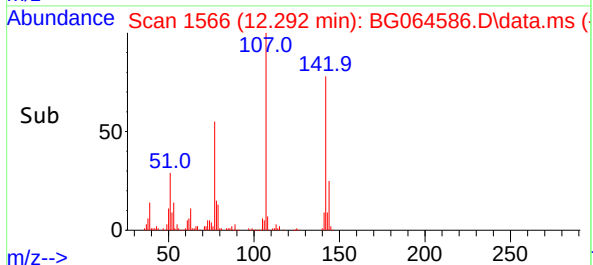
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

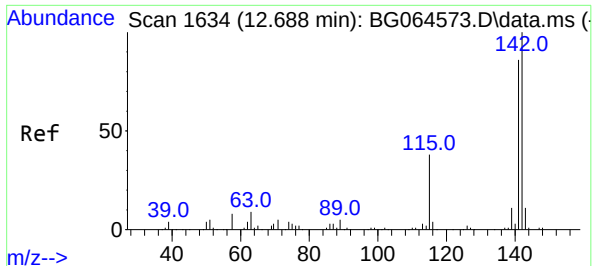


#36
4-Chloro-3-methylphenol
Concen: 42.946 ng
RT: 12.292 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00



Tgt Ion:107 Resp: 133753
Ion Ratio Lower Upper
107 100
144 24.5 19.1 28.7
142 77.6 58.6 87.8





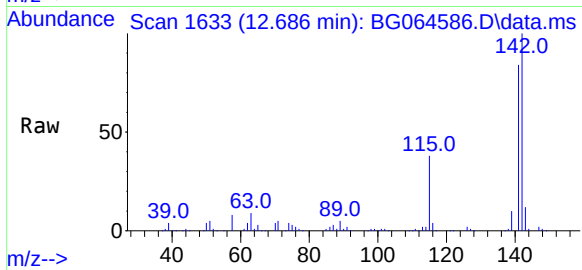
#37
2-Methylnaphthalene
Concen: 36.557 ng
RT: 12.686 min Scan# 1633
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Instrument :

BNA_G

ClientSampleId :

PB170222BSD

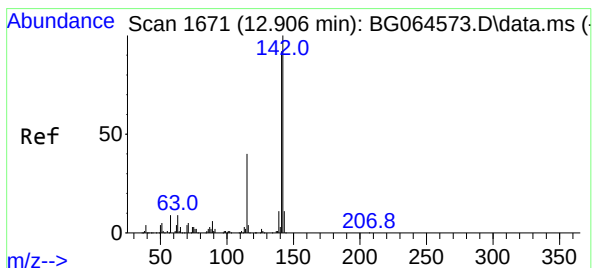
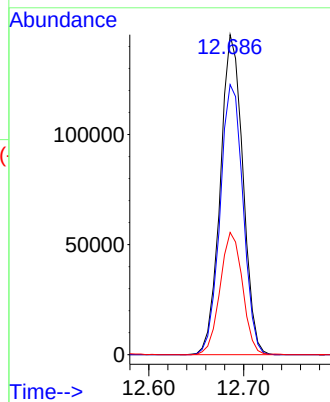
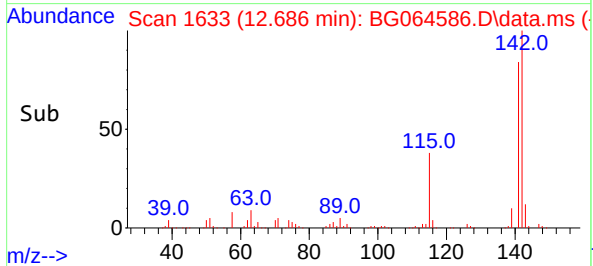


Tgt Ion:142 Resp: 241083
Ion Ratio Lower Upper
142 100
141 84.4 68.9 103.3
115 38.2 30.6 46.0

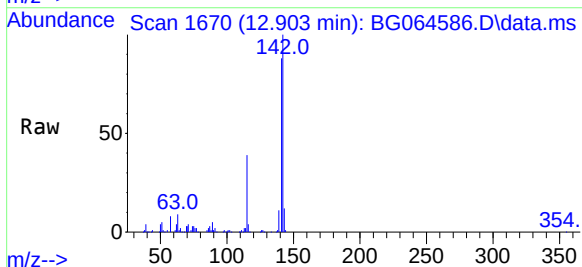
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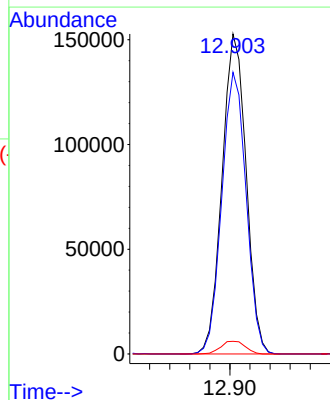
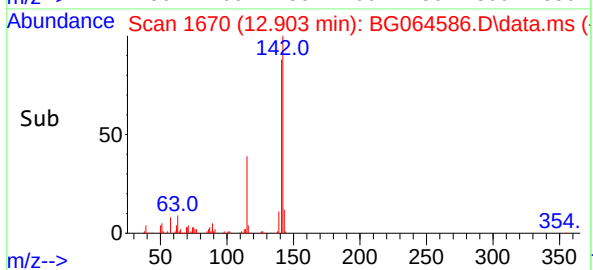
Reviewed By :Rahul Chavli 10/28/2025
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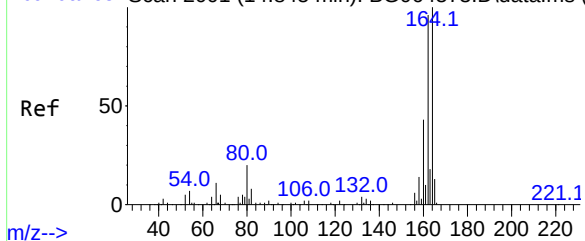
#38
1-Methylnaphthalene
Concen: 39.089 ng
RT: 12.903 min Scan# 1670
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00



Tgt Ion:142 Resp: 253651
Ion Ratio Lower Upper
142 100
141 88.0 73.3 109.9
116 3.9 3.1 4.7



Abundance Scan 2001 (14.845 min): BG064573.D\data.ms (



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.842 min Scan# 2001

Delta R.T. -0.000 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Instrument :

BNA_G

ClientSampleId :

PB170222BSD

Tgt Ion:164 Resp: 130460

Ion Ratio Lower Upper

164 100

162 97.9 77.0 115.6

160 44.2 34.4 51.6

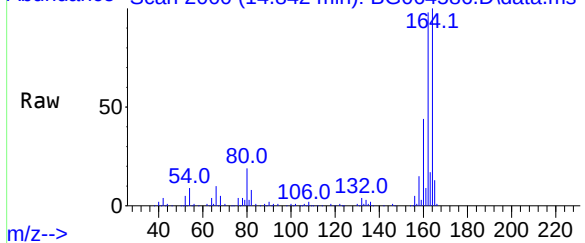
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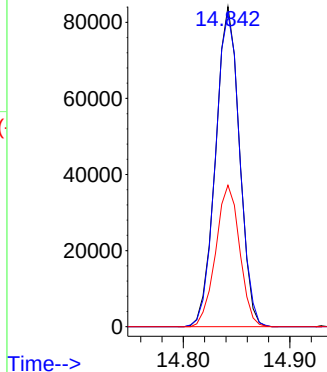
Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025

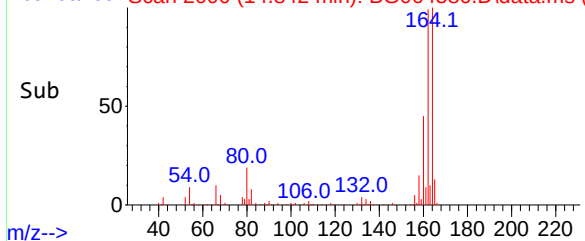
Abundance Scan 2000 (14.842 min): BG064586.D\data.ms



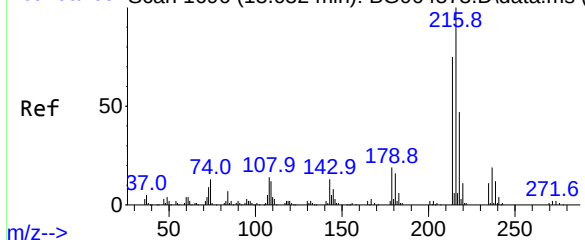
Abundance



Abundance Scan 2000 (14.842 min): BG064586.D\data.ms (



Abundance Scan 1696 (13.052 min): BG064573.D\data.ms (



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.853 ng

RT: 13.050 min Scan# 1695

Delta R.T. -0.006 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Tgt Ion:216 Resp: 183253

Ion Ratio Lower Upper

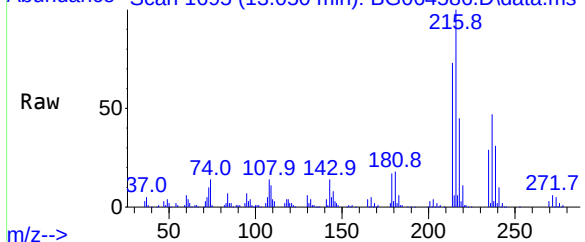
216 100

214 76.7 61.4 92.2

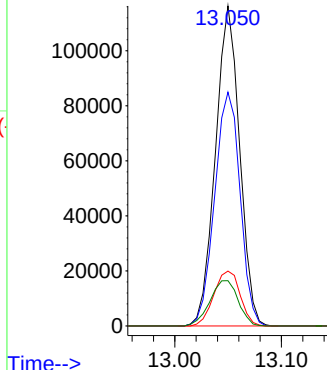
179 18.6 15.4 23.0

108 16.5 11.8 17.6

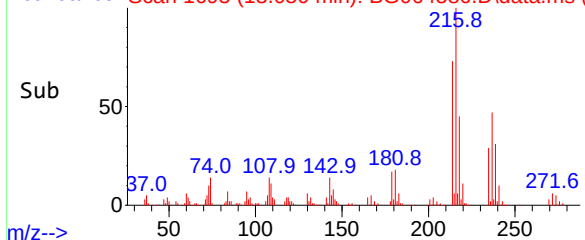
Abundance Scan 1695 (13.050 min): BG064586.D\data.ms



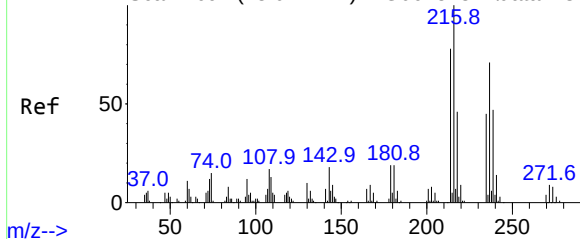
Abundance



Abundance Scan 1695 (13.050 min): BG064586.D\data.ms (



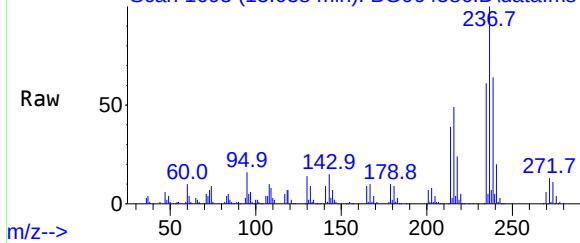
Abundance Scan 1694 (13.041 min): BG064573.D\data.ms (



#41
Hexachlorocyclopentadiene
Concen: 101.591 ng
RT: 13.038 min Scan# 1693
Delta R.T. -0.000 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Instrument :
BNA_G
ClientSampleId :
PB170222BSD

Abundance Scan 1693 (13.038 min): BG064586.D\data.ms

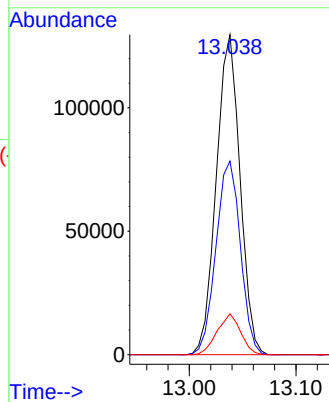
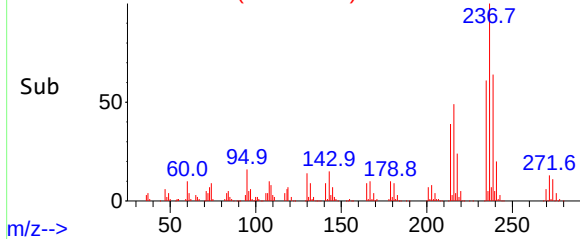


Tgt Ion:237 Resp: 200210
Ion Ratio Lower Upper
237 100
235 60.5 44.1 84.1
272 12.8 0.0 32.4

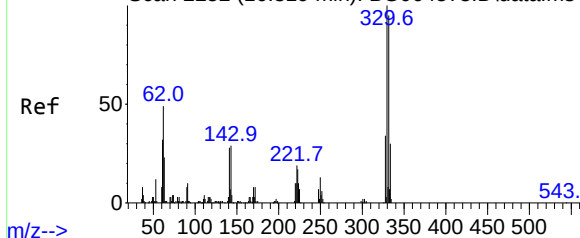
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Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

Abundance Scan 1693 (13.038 min): BG064586.D\data.ms (



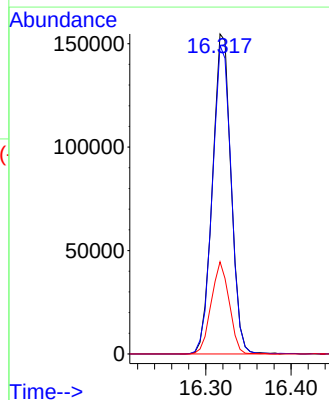
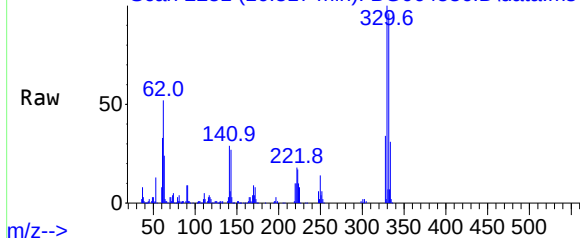
Abundance Scan 2252 (16.319 min): BG064573.D\data.ms (



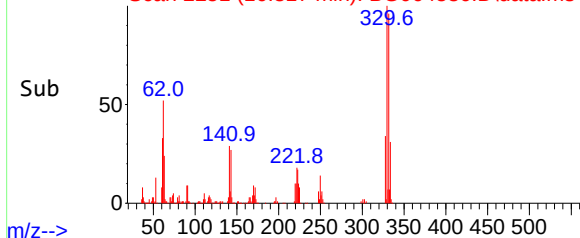
#42
2,4,6-Tribromophenol
Concen: 124.104 ng
RT: 16.317 min Scan# 2251
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

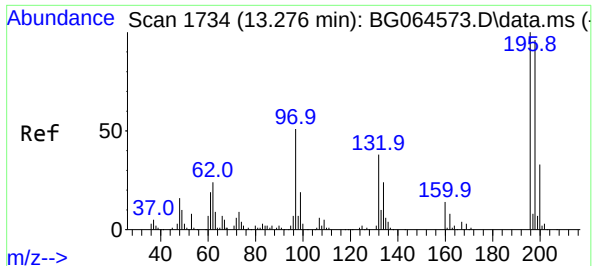
Tgt Ion:330 Resp: 233689
Ion Ratio Lower Upper
330 100
332 97.3 78.0 117.0
141 27.9 21.8 32.6

Abundance Scan 2251 (16.317 min): BG064586.D\data.ms



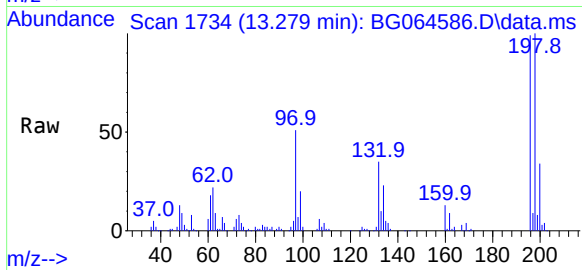
Abundance Scan 2251 (16.317 min): BG064586.D\data.ms (





#43
2,4,6-Trichlorophenol
Concen: 43.653 ng
RT: 13.279 min Scan# 1734
Delta R.T. -0.000 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

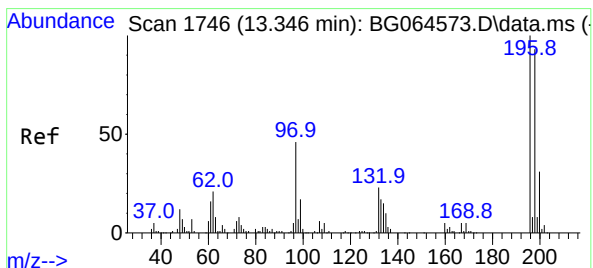
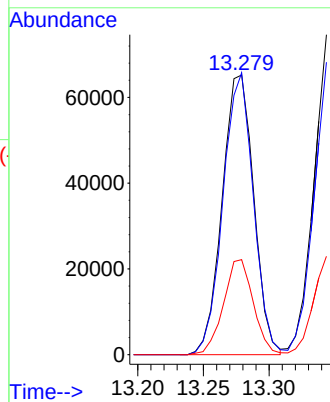
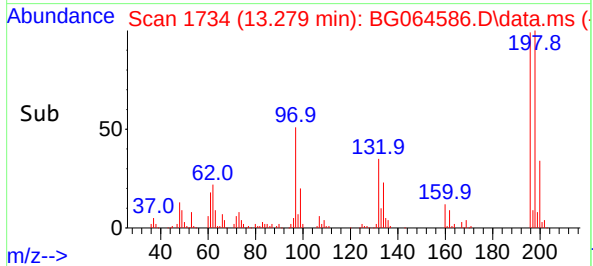
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



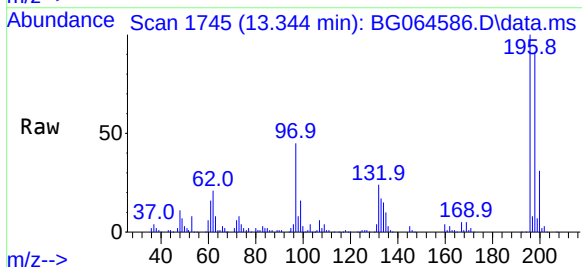
Tgt Ion:196 Resp: 10933
Ion Ratio Lower Upper
196 100
198 100.8 76.6 115.0
200 34.0 26.0 39.0

Manual Integrations
APPROVED

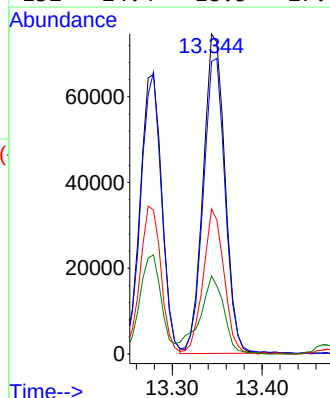
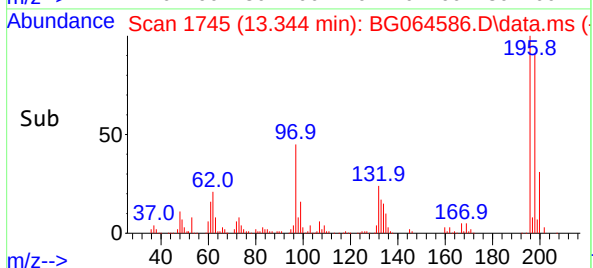
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

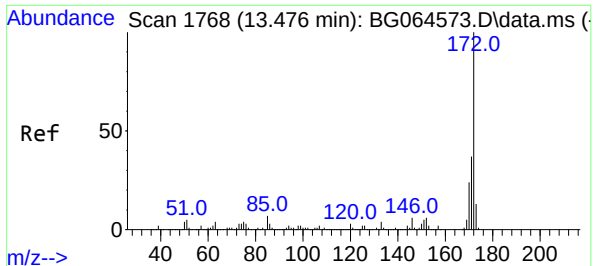


#44
2,4,5-Trichlorophenol
Concen: 43.458 ng
RT: 13.344 min Scan# 1745
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00



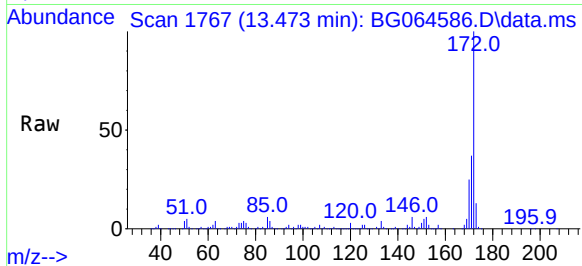
Tgt Ion:196 Resp: 125605
Ion Ratio Lower Upper
196 100
198 91.4 74.2 111.4
97 45.4 37.0 55.6
132 24.4 18.5 27.7





#45
2-Fluorobiphenyl
Concen: 79.807 ng
RT: 13.473 min Scan# 1768
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

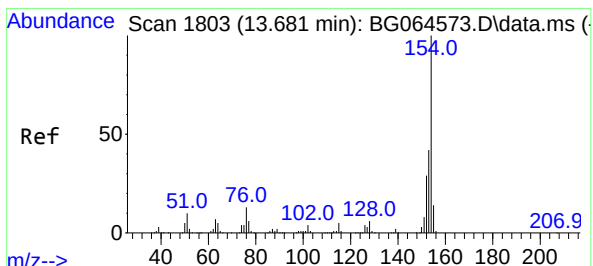
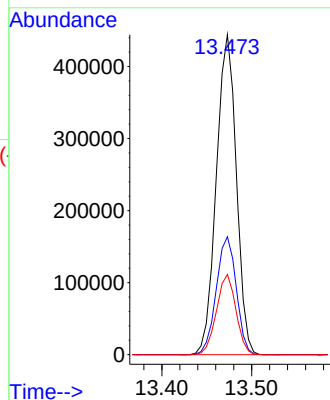
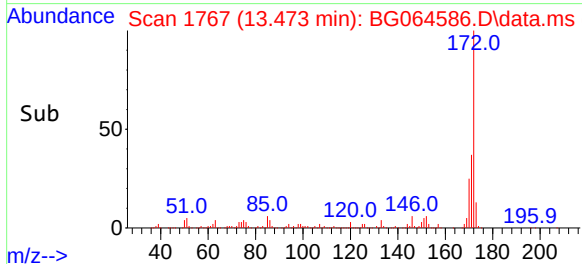
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



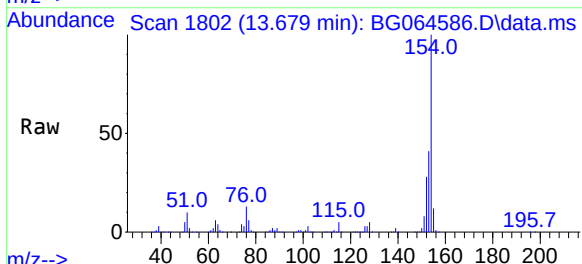
Tgt Ion:172 Resp: 68693
Ion Ratio Lower Upper
172 100
171 36.9 29.4 44.0
170 25.1 19.1 28.7

Manual Integrations
APPROVED

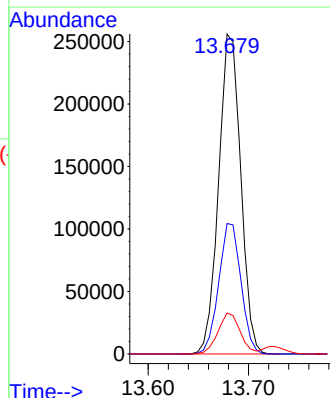
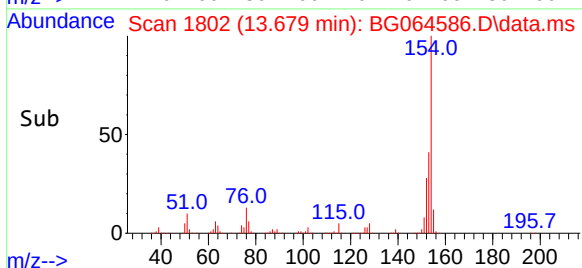
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

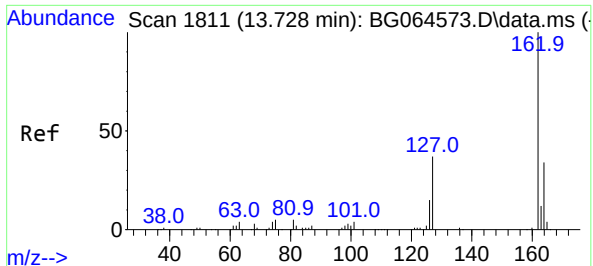


#46
1,1'-Biphenyl
Concen: 42.145 ng
RT: 13.679 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00



Tgt Ion:154 Resp: 390910
Ion Ratio Lower Upper
154 100
153 40.8 22.4 62.4
76 12.8 0.0 33.5





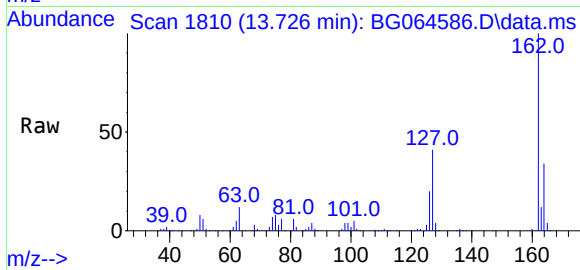
#47
2-Chloronaphthalene
Concen: 39.298 ng
RT: 13.726 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Instrument :

BNA_G

ClientSampleId :

PB170222BSD

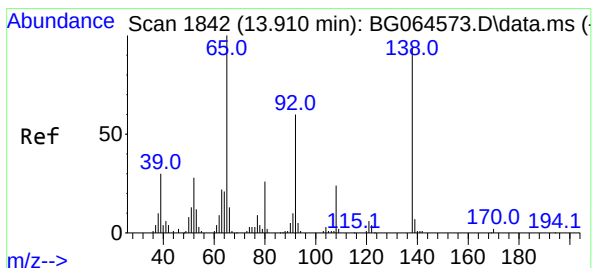
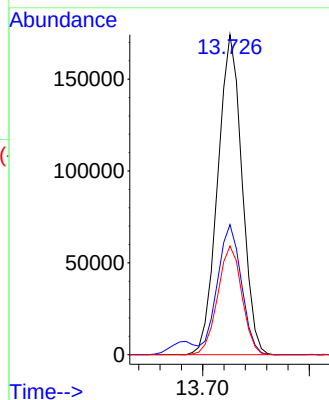
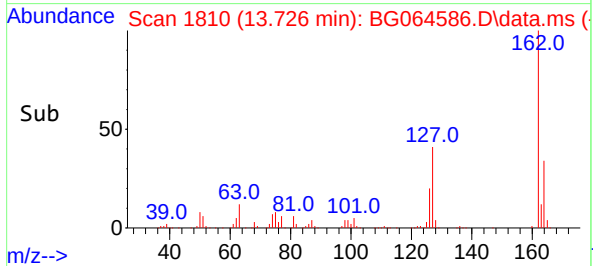


Tgt Ion:162 Resp: 275135
Ion Ratio Lower Upper
162 100
127 40.7 32.2 48.2
164 34.0 27.5 41.3

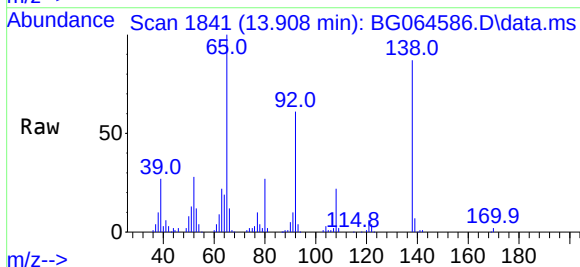
Manual Integrations

APPROVED

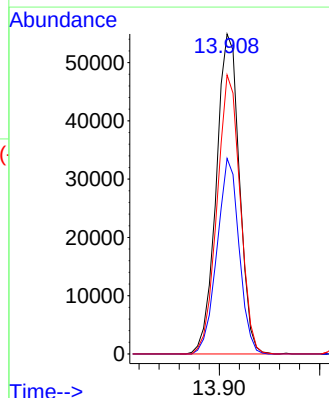
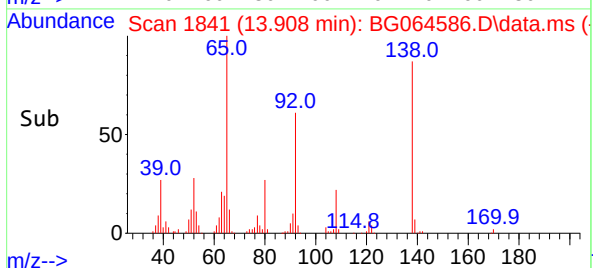
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



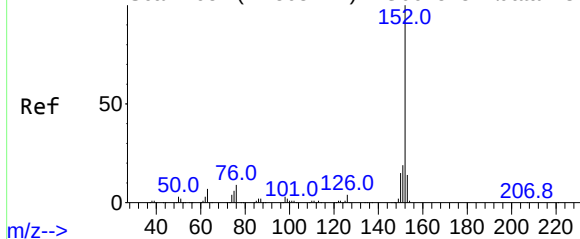
#48
2-Nitroaniline
Concen: 38.057 ng
RT: 13.908 min Scan# 1841
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00



Tgt Ion: 65 Resp: 87764
Ion Ratio Lower Upper
65 100
92 61.1 48.3 72.5
138 87.2 74.9 112.3



Abundance Scan 1954 (14.568 min): BG064573.D\data.ms (



#49

Acenaphthylene

Concen: 45.145 ng

RT: 14.566 min Scan# 1954

Delta R.T. -0.000 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Instrument :

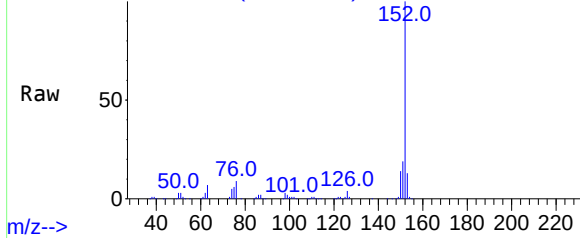
BNA_G

ClientSampleId :

PB170222BSD

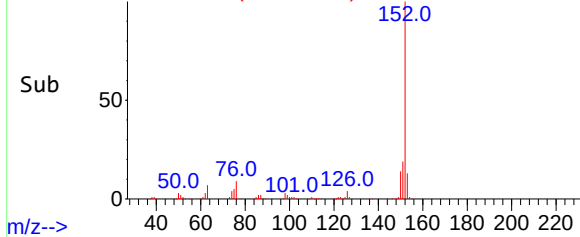
m/z-->

Abundance Scan 1953 (14.566 min): BG064586.D\data.ms



m/z-->

Abundance Scan 1953 (14.566 min): BG064586.D\data.ms (



m/z-->

Tgt Ion:152 Resp: 49854

Ion Ratio Lower Upper

152 100

151 18.8 15.4 23.2

153 12.9 11.0 16.4

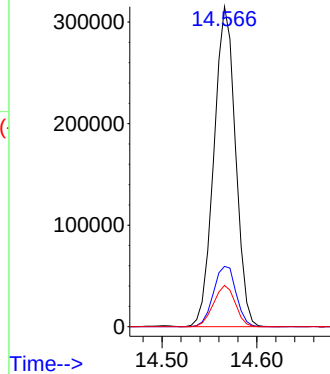
Manual Integrations

APPROVED

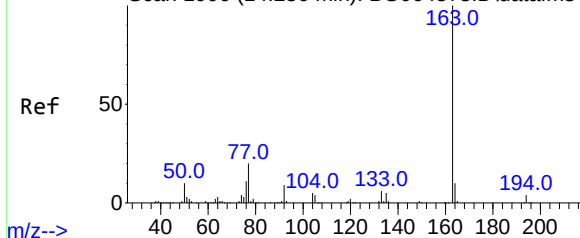
Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025

Abundance

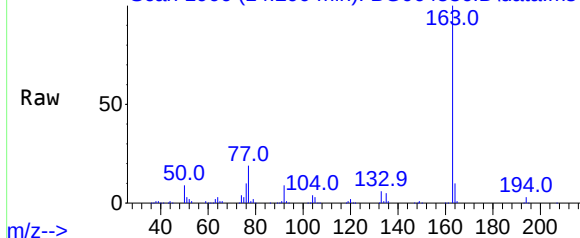


Abundance Scan 1906 (14.286 min): BG064573.D\data.ms (



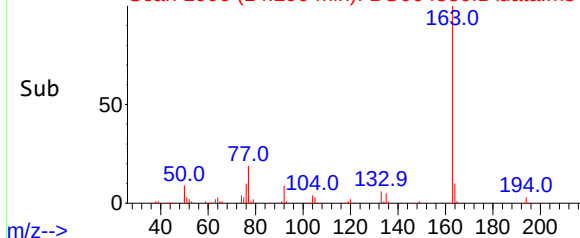
m/z-->

Abundance Scan 1906 (14.290 min): BG064586.D\data.ms



m/z-->

Abundance Scan 1906 (14.290 min): BG064586.D\data.ms (



m/z-->

#50

Dimethylphthalate

Concen: 39.241 ng

RT: 14.290 min Scan# 1906

Delta R.T. -0.000 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Tgt Ion:163 Resp: 391752

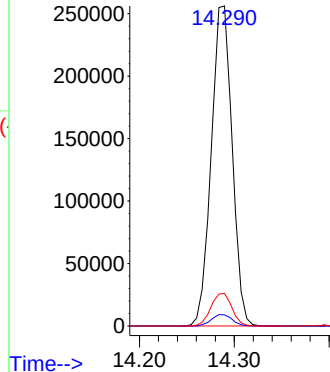
Ion Ratio Lower Upper

163 100

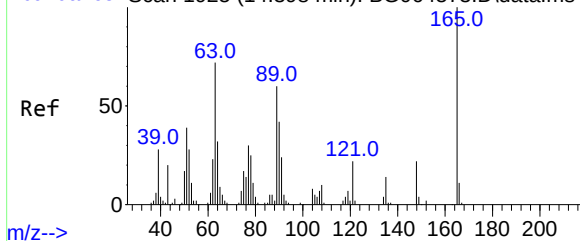
194 3.5 2.8 4.2

164 10.2 7.7 11.5

Abundance



Abundance Scan 1925 (14.398 min): BG064573.D\data.ms (



#51
2,6-Dinitrotoluene
Concen: 42.037 ng
RT: 14.401 min Scan# 1925
Delta R.T. -0.001 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

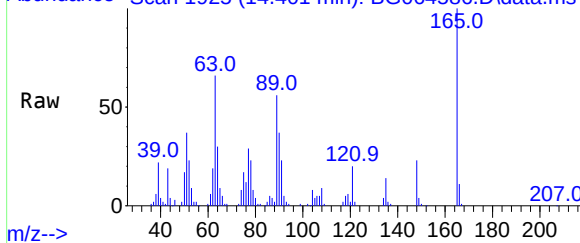
Instrument :

BNA_G

ClientSampleId :

PB170222BSD

Abundance Scan 1925 (14.401 min): BG064586.D\data.ms



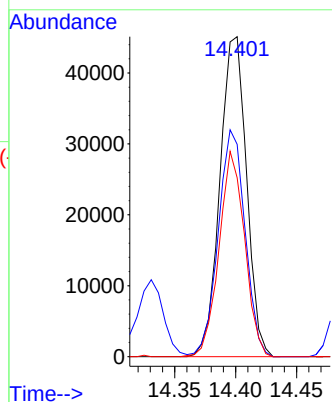
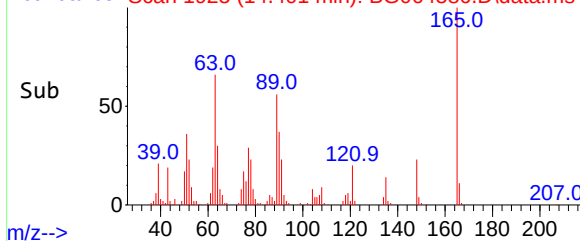
Tgt Ion:165 Resp: 68540
Ion Ratio Lower Upper
165 100
63 66.3 57.4 86.0
89 55.9 47.8 71.8

Manual Integrations

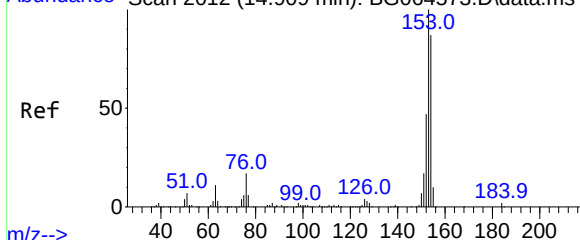
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Abundance Scan 1925 (14.401 min): BG064586.D\data.ms (

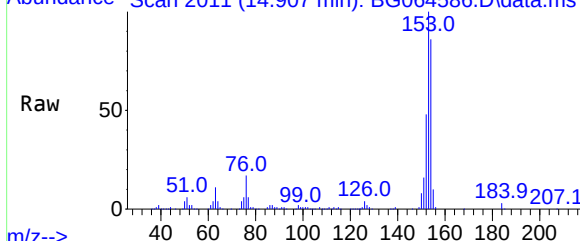


Abundance Scan 1212 (14.909 min): BG064573.D\data.ms (



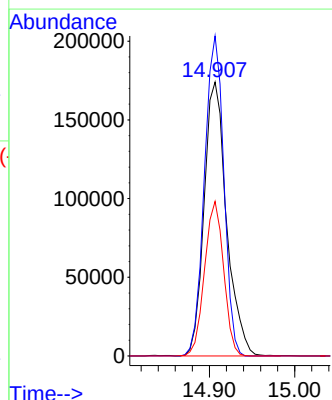
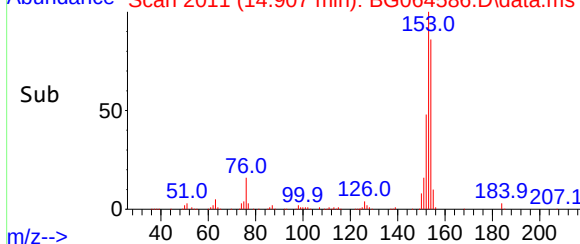
#52
Acenaphthene
Concen: 42.188 ng
RT: 14.907 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Abundance Scan 2011 (14.907 min): BG064586.D\data.ms

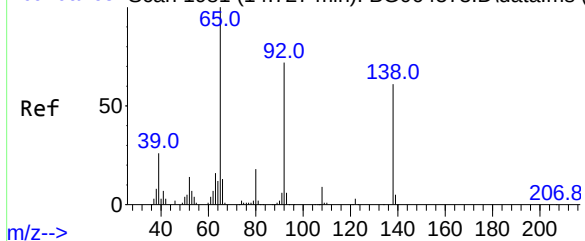


Tgt Ion:154 Resp: 318306
Ion Ratio Lower Upper
154 100
153 116.8 92.2 138.4
152 56.4 43.2 64.8

Abundance Scan 2011 (14.907 min): BG064586.D\data.ms (



Abundance Scan 1981 (14.727 min): BG064573.D\data.ms (



#53
3-Nitroaniline
Concen: 30.048 ng
RT: 14.724 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

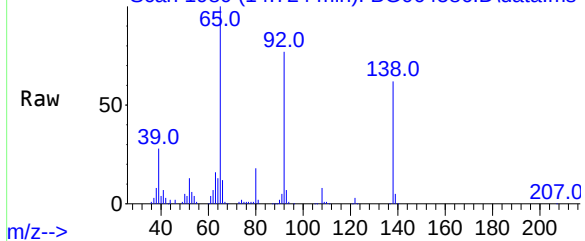
Instrument :

BNA_G

ClientSampleId :

PB170222BSD

Abundance Scan 1980 (14.724 min): BG064586.D\data.ms



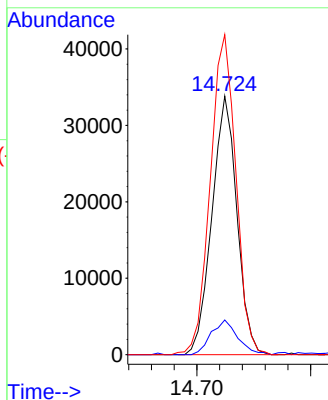
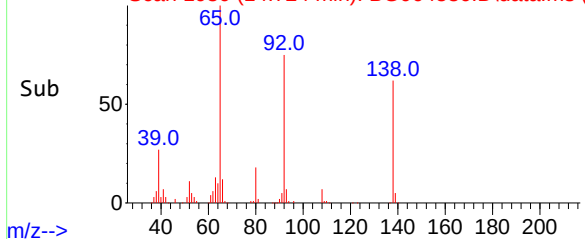
Tgt Ion:138 Resp: 5155
Ion Ratio Lower Upper
138 100
108 13.5 11.4 17.0
92 123.7 95.3 142.9

Manual Integrations

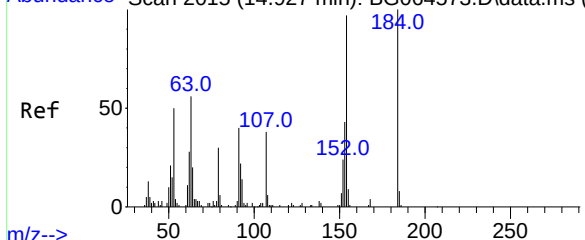
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Abundance Scan 1980 (14.724 min): BG064586.D\data.ms (



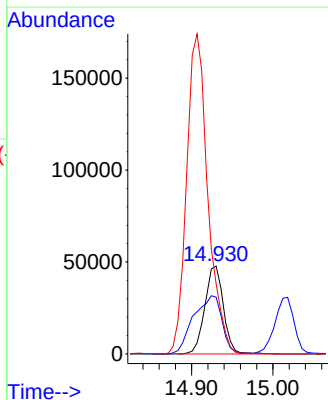
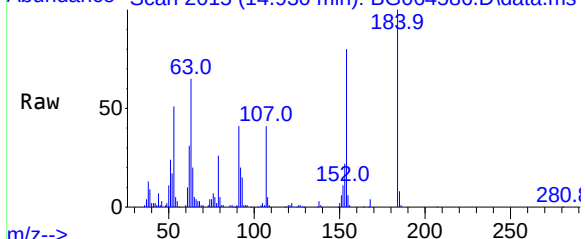
Abundance Scan 2015 (14.927 min): BG064573.D\data.ms (



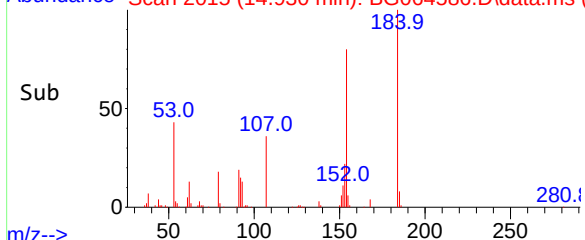
#54
2,4-Dinitrophenol
Concen: 75.233 ng
RT: 14.930 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

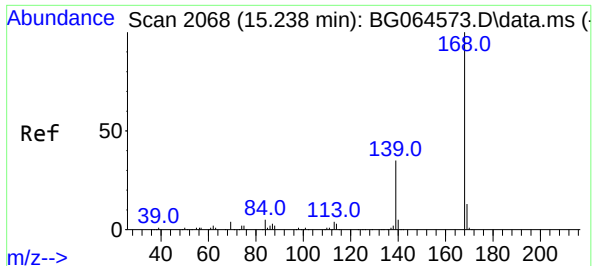
Tgt Ion:184 Resp: 75685
Ion Ratio Lower Upper
184 100
63 64.6 56.6 85.0
154 79.8 158.6 238.0#

Abundance Scan 2015 (14.930 min): BG064586.D\data.ms



Abundance Scan 2015 (14.930 min): BG064586.D\data.ms (





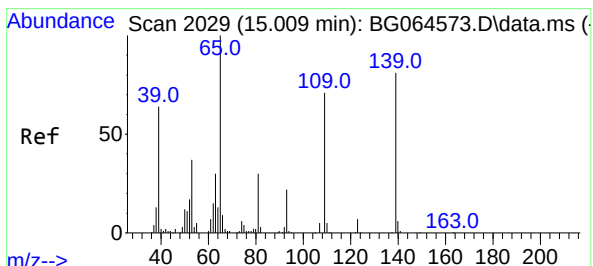
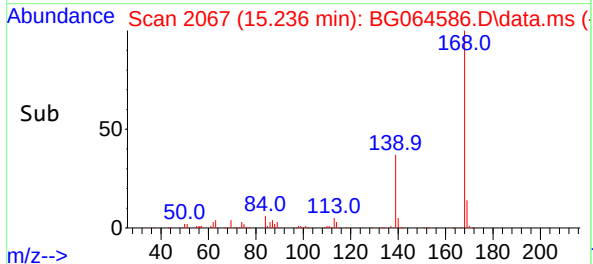
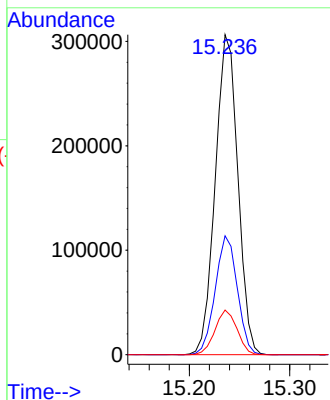
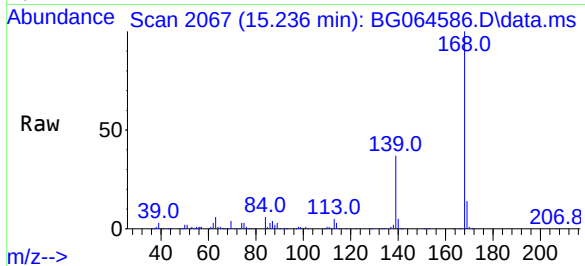
#55
Dibenzenofuran
Concen: 39.162 ng
RT: 15.236 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Instrument :
BNA_G
ClientSampleId :
PB170222BSD

Tgt Ion:168 Resp: 477680
Ion Ratio Lower Upper
168 100
139 37.1 27.8 41.8
169 14.0 10.3 15.5

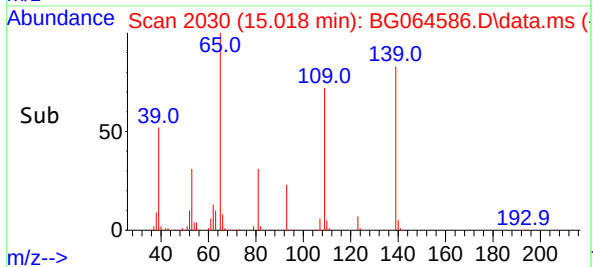
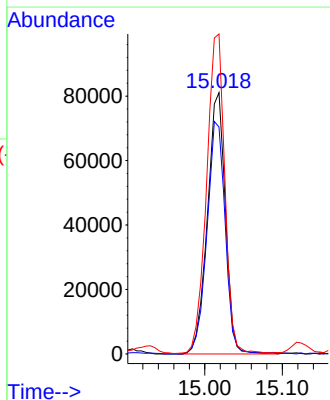
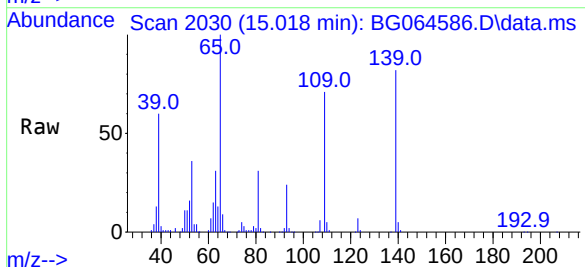
Manual Integrations
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Supervised By :Jagrut Upadhyay 10/28/2025

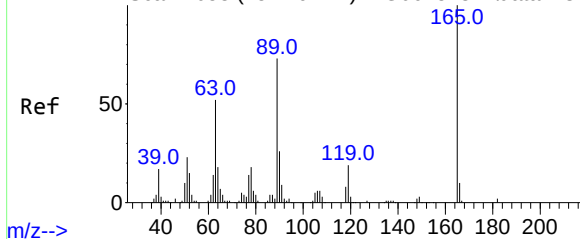


#56
4-Nitrophenol
Concen: 82.092 ng
RT: 15.018 min Scan# 2030
Delta R.T. -0.000 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Tgt Ion:139 Resp: 130581
Ion Ratio Lower Upper
139 100
109 86.8 67.8 107.8
65 122.5 103.7 143.7



Abundance Scan 2058 (15.179 min): BG064573.D\data.ms (



#57
2,4-Dinitrotoluene
Concen: 40.594 ng
RT: 15.183 min Scan# 2058
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

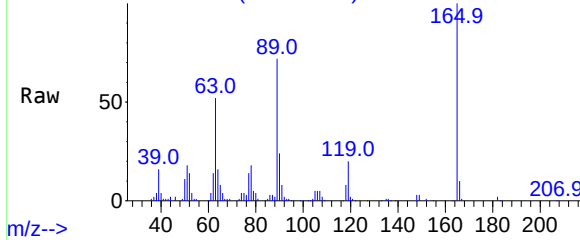
Instrument :

BNA_G

ClientSampleId :

PB170222BSD

Abundance Scan 2058 (15.183 min): BG064586.D\data.ms



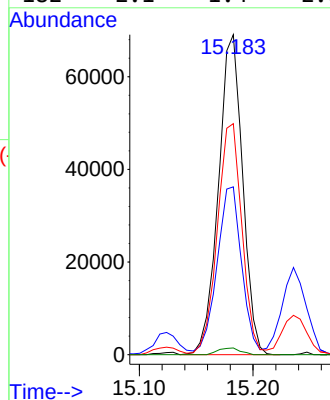
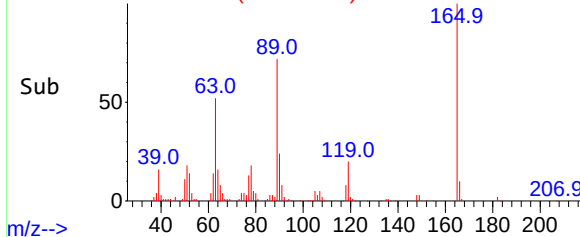
Tgt Ion:165 Resp: 102108
Ion Ratio Lower Upper
165 100
63 52.5 41.8 62.8
89 72.2 58.1 87.1
182 2.1 1.4 2.0#

Manual Integrations

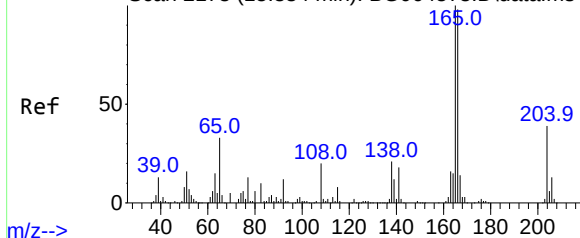
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Supervised By :Jagrut Upadhyay 10/28/2025

Abundance Scan 2058 (15.183 min): BG064586.D\data.ms (



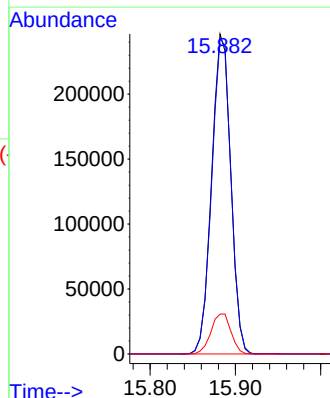
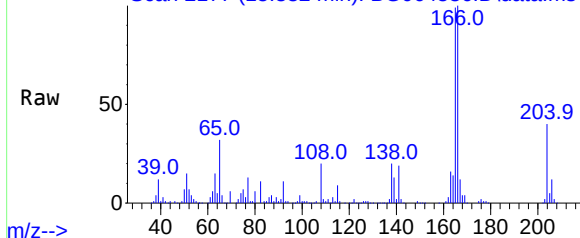
Abundance Scan 2178 (15.884 min): BG064573.D\data.ms (



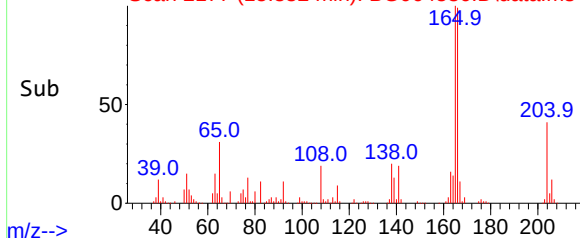
#58
Fluorene
Concen: 40.202 ng
RT: 15.882 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

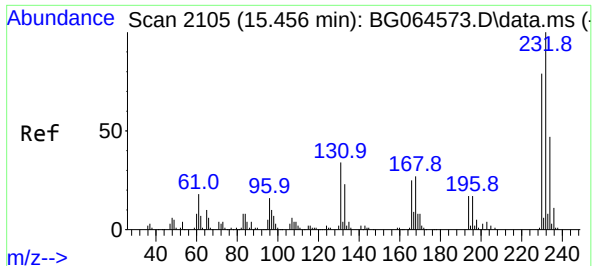
Tgt Ion:166 Resp: 382963
Ion Ratio Lower Upper
166 100
165 98.6 81.5 122.3
167 12.4 11.4 17.0

Abundance Scan 2177 (15.882 min): BG064586.D\data.ms



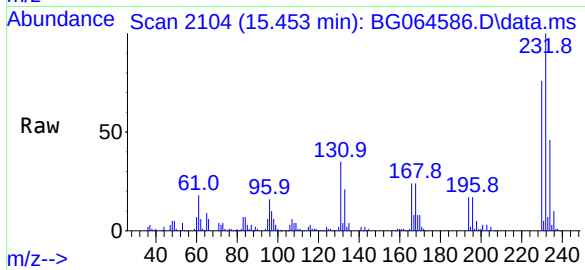
Abundance Scan 2177 (15.882 min): BG064586.D\data.ms (





#59
2,3,4,6-Tetrachlorophenol
Concen: 45.346 ng
RT: 15.453 min Scan# 2104
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

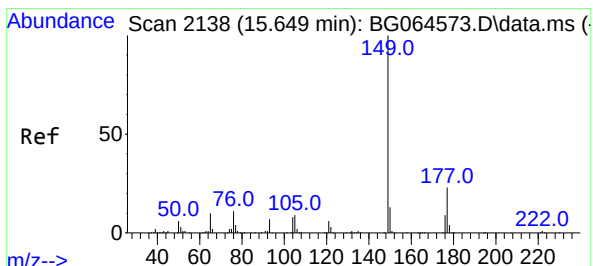
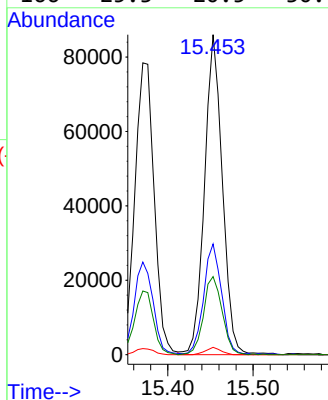
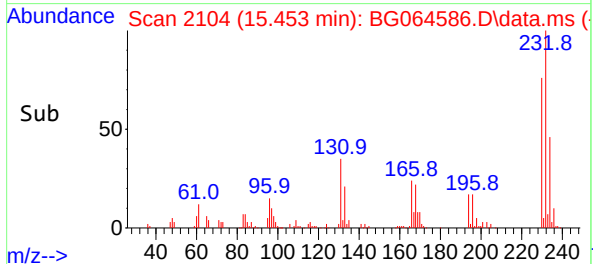
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



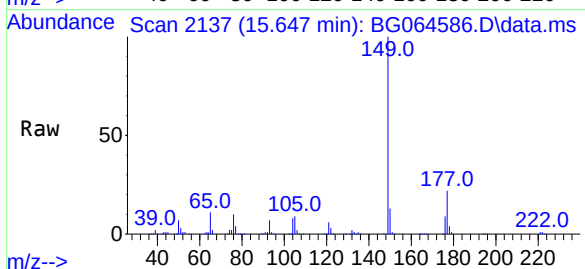
Tgt Ion:232 Resp: 125320
Ion Ratio Lower Upper
232 100
131 34.9 26.7 40.1
130 2.0 1.6 2.4
166 25.3 20.5 30.7

Manual Integrations
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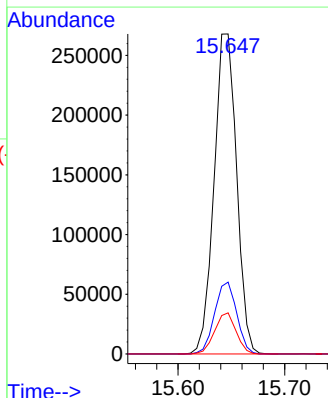
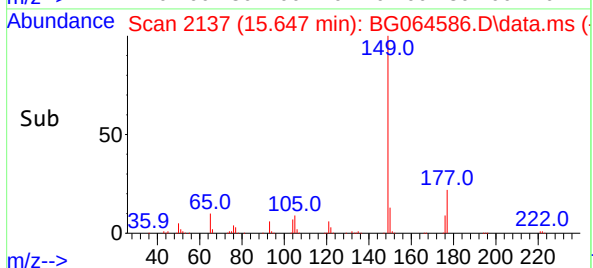
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



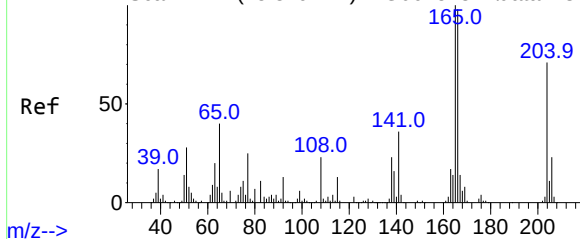
#60
Diethylphthalate
Concen: 38.527 ng
RT: 15.647 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00



Tgt Ion:149 Resp: 392719
Ion Ratio Lower Upper
149 100
177 22.4 18.0 27.0
150 12.9 10.2 15.4



Abundance Scan 2177 (15.879 min): BG064573.D\data.ms (



#61
4-Chlorophenyl-phenylether
Concen: 39.447 ng
RT: 15.876 min Scan# 2177
Delta R.T. -0.000 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

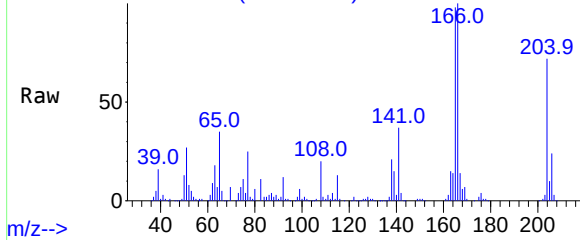
Instrument :

BNA_G

ClientSampleId :

PB170222BSD

Abundance Scan 2176 (15.876 min): BG064586.D\data.ms



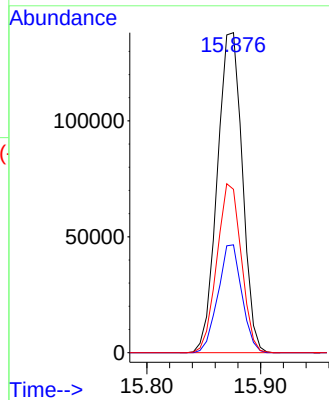
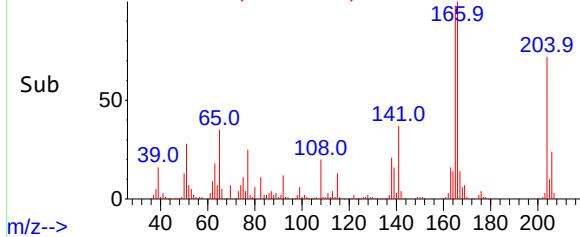
Tgt Ion:204 Resp: 21088
Ion Ratio Lower Upper
204 100
206 33.7 25.6 38.4
141 51.0 40.6 60.8

Manual Integrations

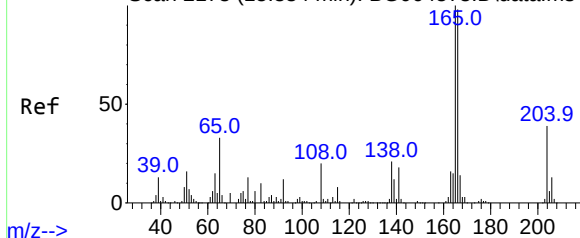
APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

Abundance Scan 2176 (15.876 min): BG064586.D\data.ms (

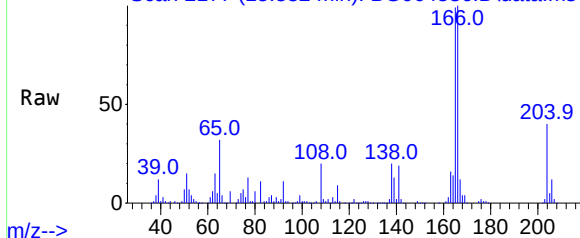


Abundance Scan 2178 (15.884 min): BG064573.D\data.ms (



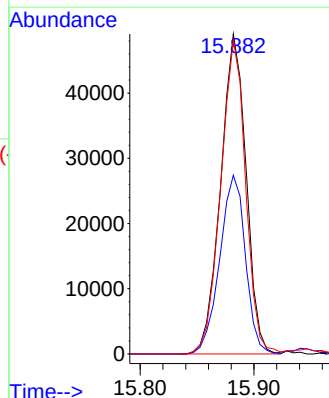
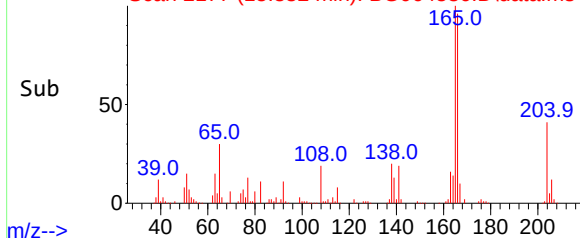
#62
4-Nitroaniline
Concen: 39.945 ng
RT: 15.882 min Scan# 2177
Delta R.T. -0.012 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

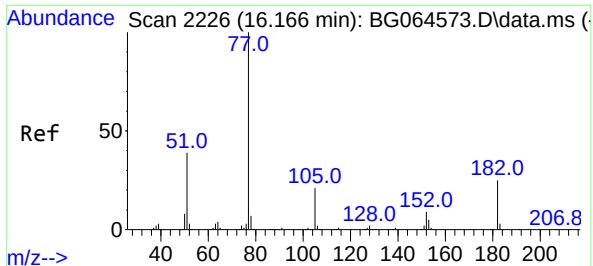
Abundance Scan 2177 (15.882 min): BG064586.D\data.ms



Tgt Ion:138 Resp: 76243
Ion Ratio Lower Upper
138 100
92 55.9 36.1 76.1
108 98.1 75.6 115.6

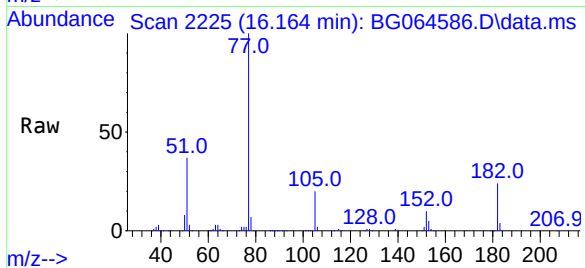
Abundance Scan 2177 (15.882 min): BG064586.D\data.ms (





#63
Azobenzene
Concen: 39.873 ng
RT: 16.164 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

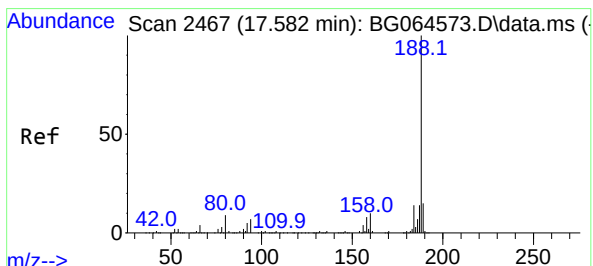
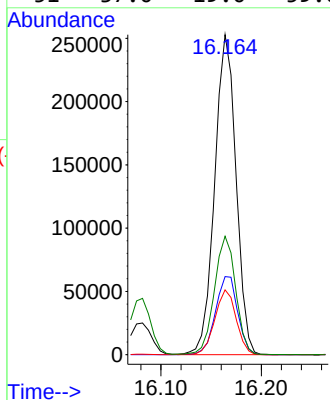
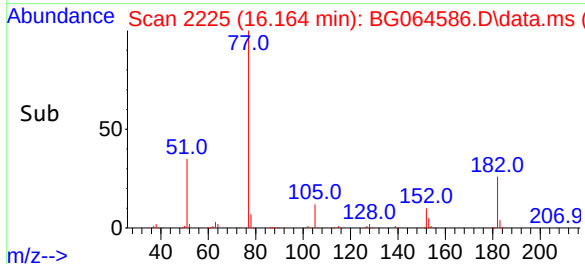
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



Tgt Ion: 77 Resp: 372928
Ion Ratio Lower Upper
77 100
182 24.4 4.9 44.9
105 20.2 1.3 41.3
51 37.0 19.0 59.0

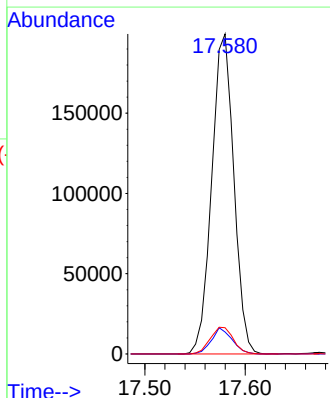
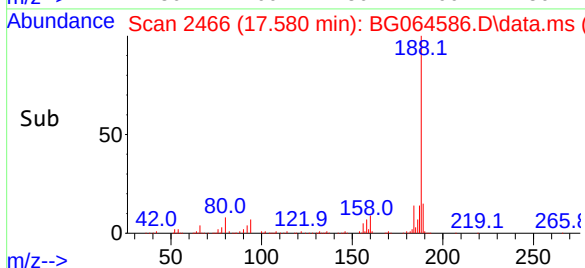
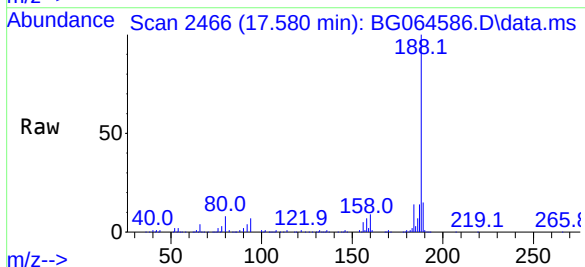
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

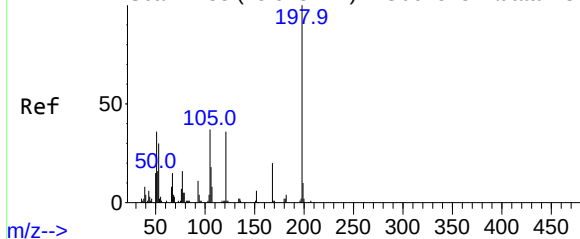


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2466
Delta R.T. -0.000 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Tgt Ion:188 Resp: 304053
Ion Ratio Lower Upper
188 100
94 6.9 5.7 8.5
80 8.2 6.8 10.2



Abundance Scan 2188 (15.943 min): BG064573.D\data.ms (



#65
4,6-Dinitro-2-methylphenol
Concen: 40.813 ng
RT: 15.941 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

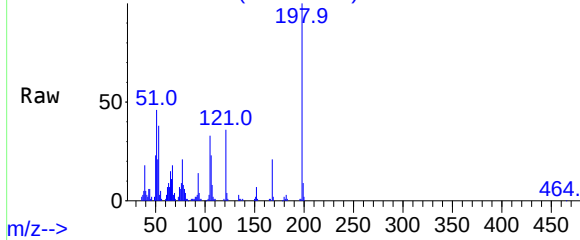
Instrument :
BNA_G
ClientSampleId :
PB170222BSD

Tgt Ion:198 Resp: 53380
Ion Ratio Lower Upper
198 100
51 45.6 24.7 64.7
105 32.9 18.0 58.0

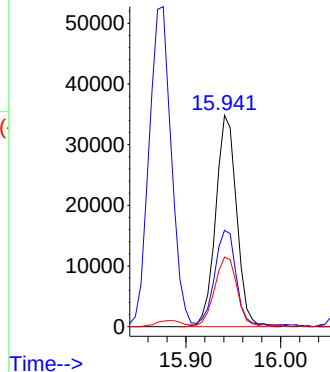
Manual Integrations
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Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

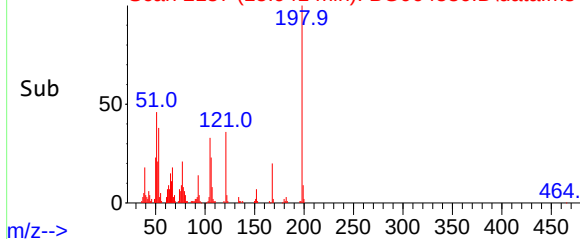
Abundance Scan 2187 (15.941 min): BG064586.D\data.ms



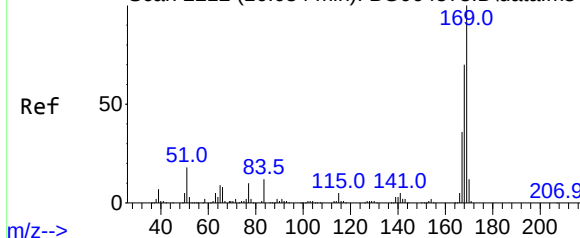
Abundance



Abundance Scan 2187 (15.941 min): BG064586.D\data.ms (



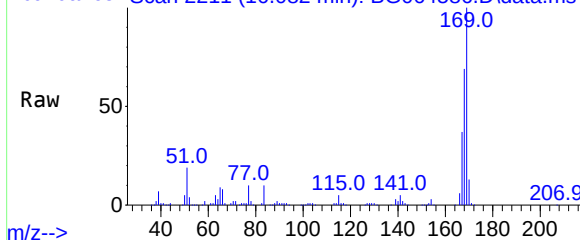
Abundance Scan 2212 (16.084 min): BG064573.D\data.ms (



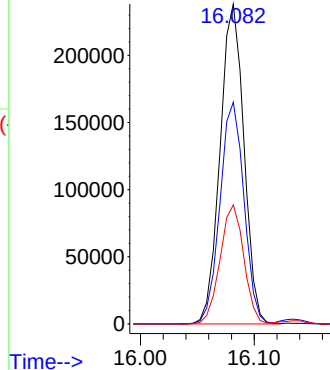
#66
n-Nitrosodiphenylamine
Concen: 42.268 ng
RT: 16.082 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Tgt Ion:169 Resp: 347155
Ion Ratio Lower Upper
169 100
168 69.3 56.3 84.5
167 37.2 29.0 43.6

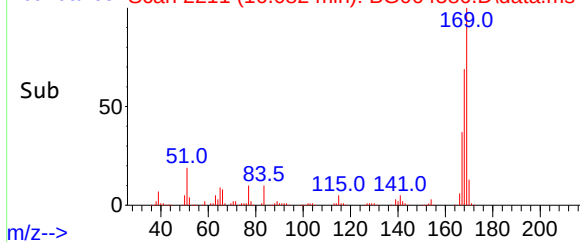
Abundance Scan 2211 (16.082 min): BG064586.D\data.ms

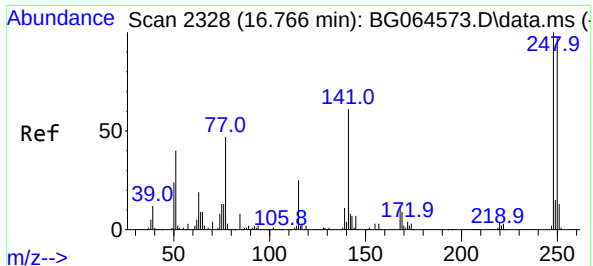


Abundance



Abundance Scan 2211 (16.082 min): BG064586.D\data.ms (





#67

4-Bromophenyl-phenylether

Concen: 40.903 ng

RT: 16.763 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Instrument :

BNA_G

ClientSampleId :

PB170222BSD

Tgt Ion:248 Resp: 14738

Ion Ratio Lower Upper

248 100

250 99.6 77.7 116.5

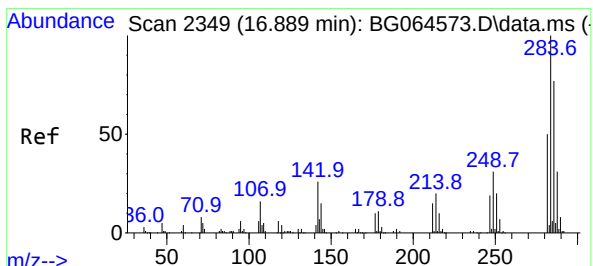
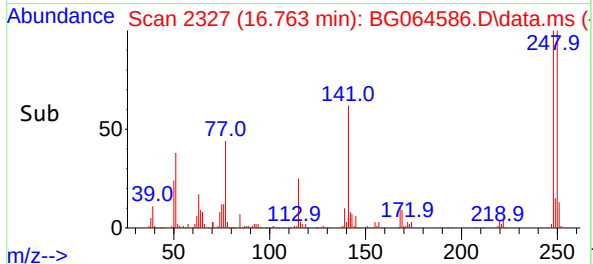
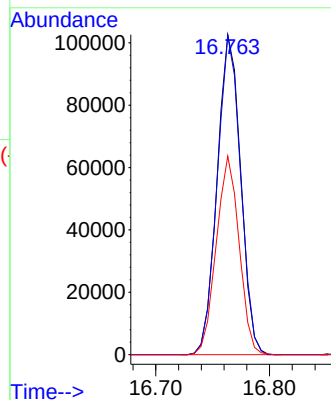
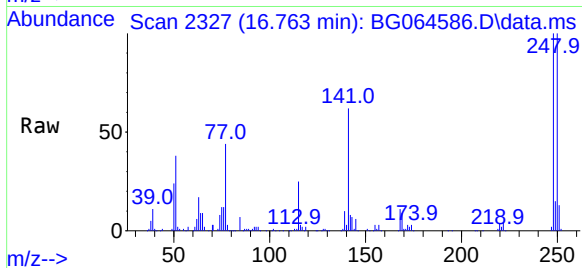
141 62.1 48.6 72.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025



#68

Hexachlorobenzene

Concen: 41.342 ng

RT: 16.887 min Scan# 2348

Delta R.T. -0.006 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

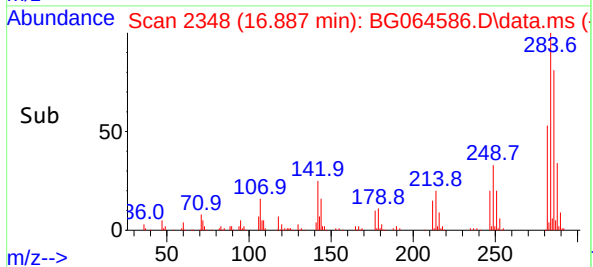
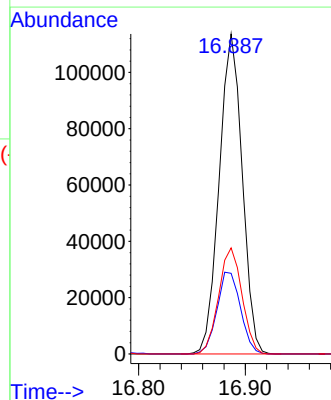
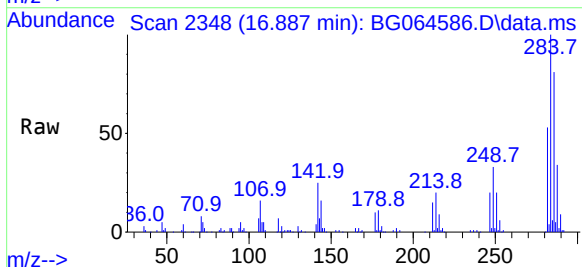
Tgt Ion:284 Resp: 169942

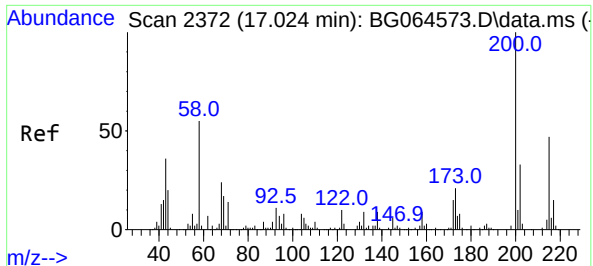
Ion Ratio Lower Upper

284 100

142 25.2 21.0 31.6

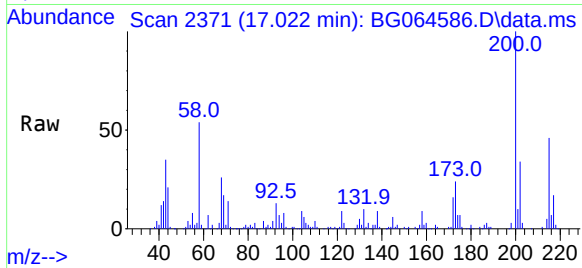
249 35.5 24.9 37.3





#69
Atrazine
Concen: 39.839 ng
RT: 17.022 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

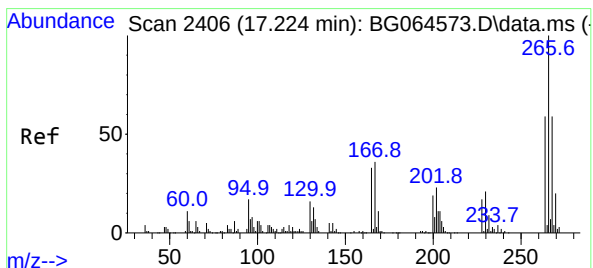
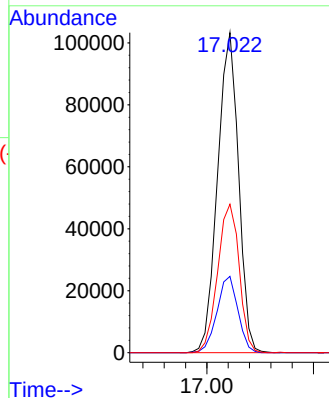
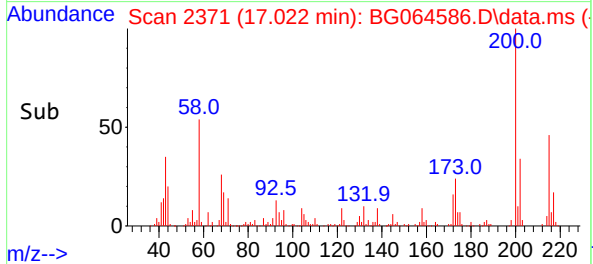
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



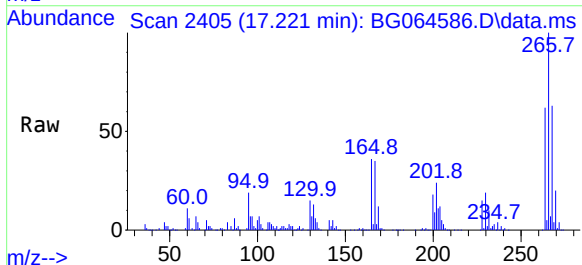
Tgt Ion:200 Resp: 140812
Ion Ratio Lower Upper
200 100
173 23.9 0.9 40.9
215 46.4 27.0 67.0

Manual Integrations
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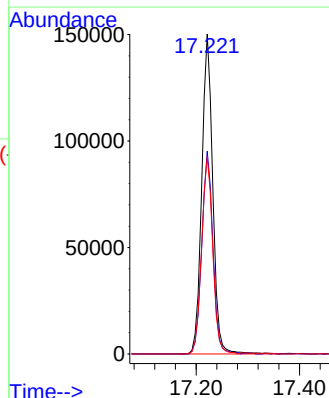
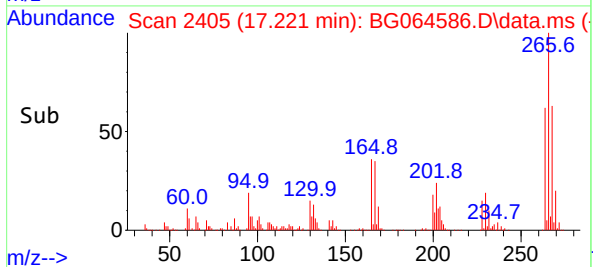
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

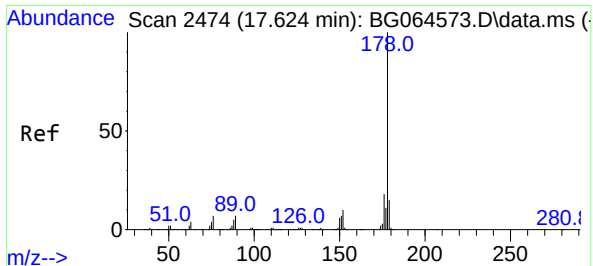


#70
Pentachlorophenol
Concen: 86.519 ng
RT: 17.221 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00



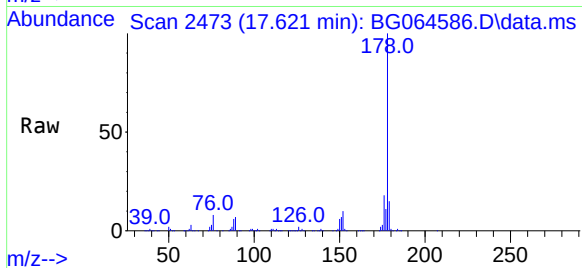
Tgt Ion:266 Resp: 221775
Ion Ratio Lower Upper
266 100
268 66.9 50.3 75.5
264 66.5 47.3 70.9





#71
Phenanthrene
Concen: 40.535 ng
RT: 17.621 min Scan# 2474
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

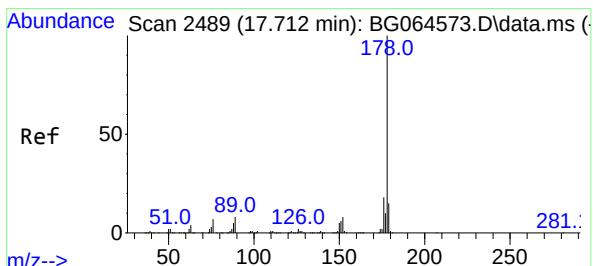
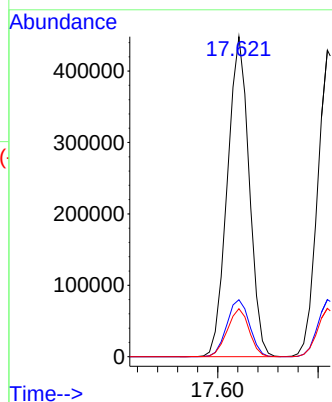
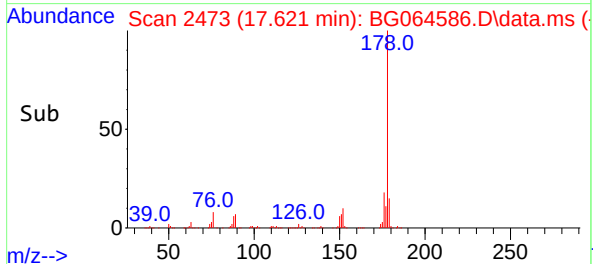
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



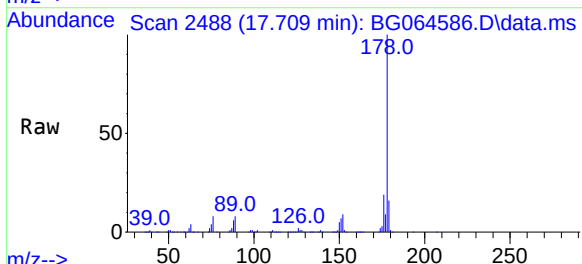
Tgt Ion:178 Resp: 673998
Ion Ratio Lower Upper
178 100
176 17.8 14.7 22.1
179 15.0 12.2 18.4

Manual Integrations
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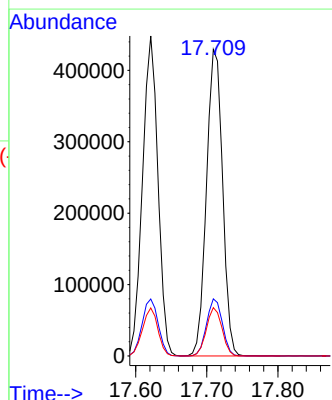
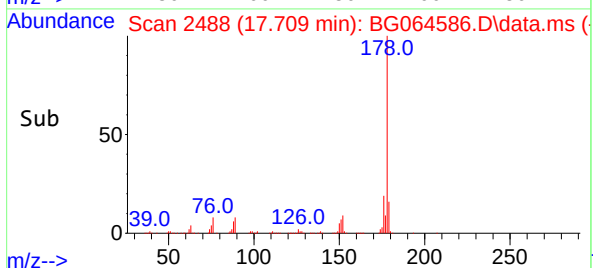
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

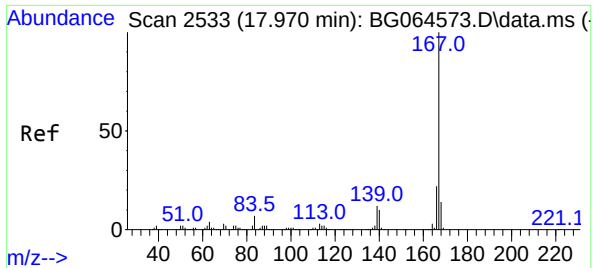


#72
Anthracene
Concen: 39.998 ng
RT: 17.709 min Scan# 2488
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00



Tgt Ion:178 Resp: 676527
Ion Ratio Lower Upper
178 100
176 18.7 14.4 21.6
179 15.8 12.4 18.6





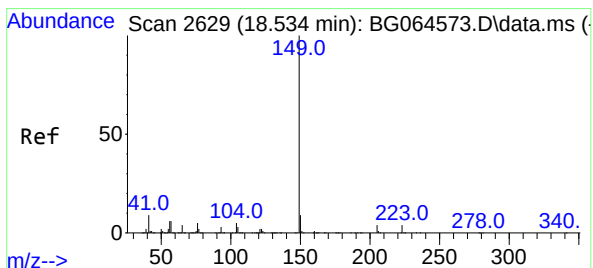
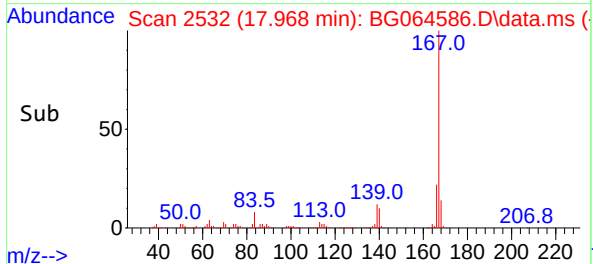
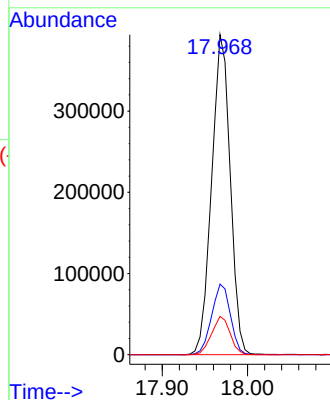
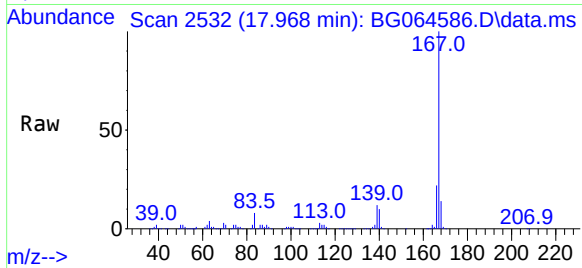
#73
Carbazole
Concen: 39.952 ng
RT: 17.968 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Instrument :
BNA_G
ClientSampleId :
PB170222BSD

Tgt Ion:167 Resp: 595884
Ion Ratio Lower Upper
167 100
166 22.1 17.9 26.9
139 11.9 9.7 14.5

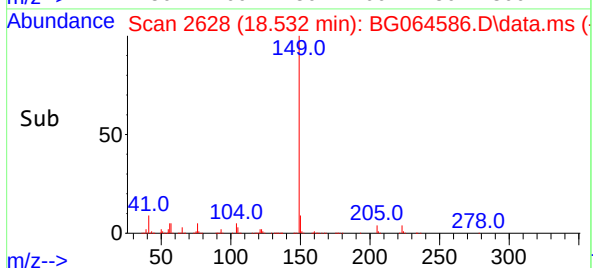
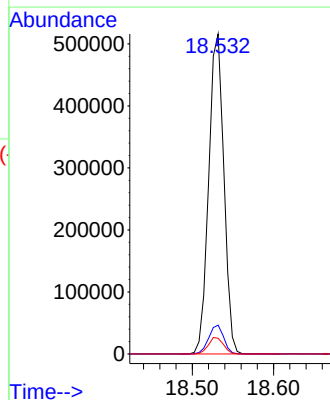
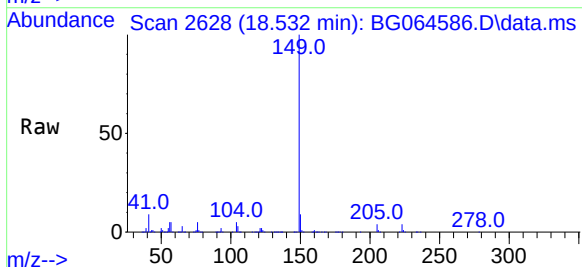
Manual Integrations
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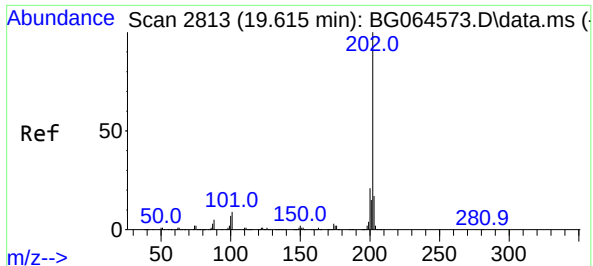
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#74
Di-n-butylphthalate
Concen: 38.648 ng
RT: 18.532 min Scan# 2628
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

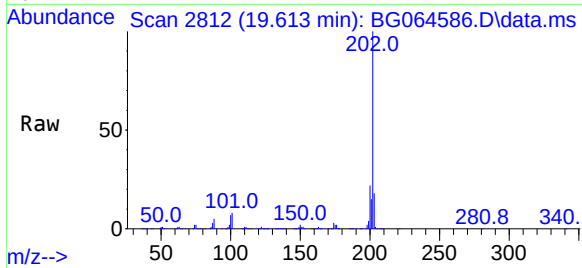
Tgt Ion:149 Resp: 666573
Ion Ratio Lower Upper
149 100
150 9.0 7.0 10.6
104 4.9 4.1 6.1





#75
Fluoranthene
Concen: 38.788 ng
RT: 19.613 min Scan# 2813
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

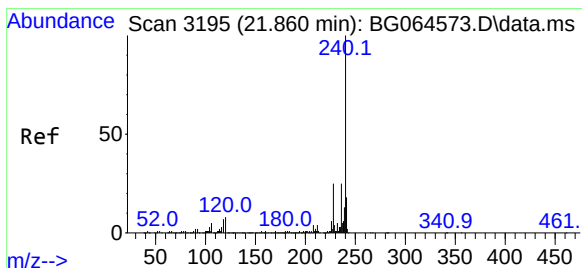
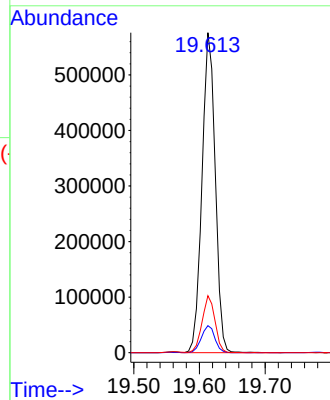
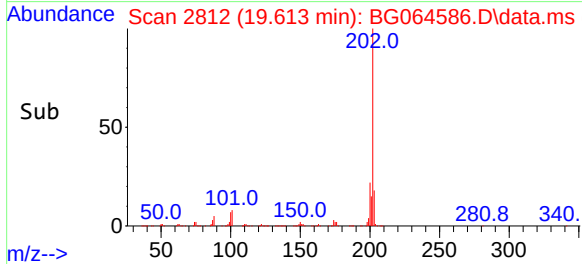
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



Tgt Ion:202 Resp: 80794
Ion Ratio Lower Upper
202 100
101 8.5 0.0 28.7
203 17.8 0.0 37.0

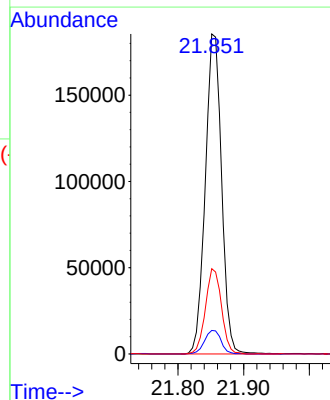
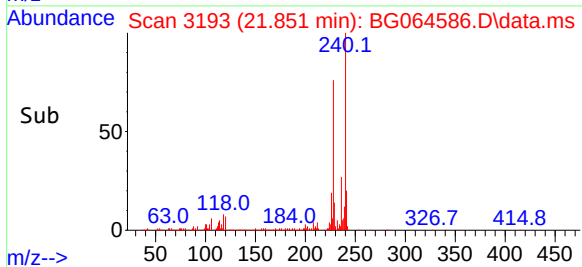
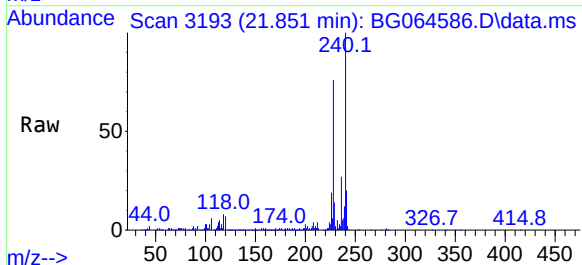
Manual Integrations
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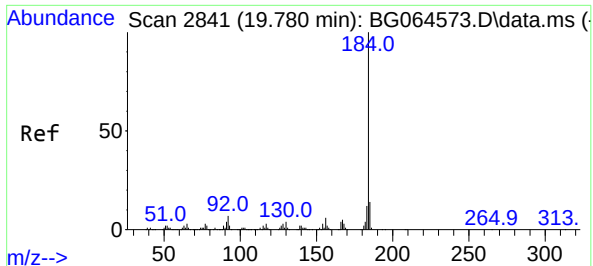
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.851 min Scan# 3193
Delta R.T. -0.012 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

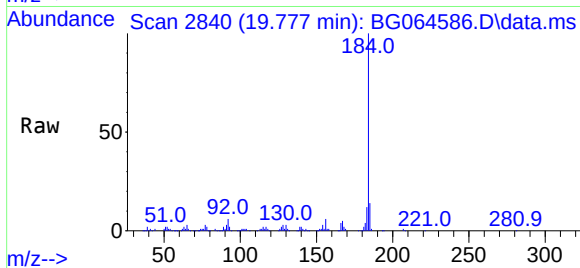
Tgt Ion:240 Resp: 320700
Ion Ratio Lower Upper
240 100
120 7.4 6.5 9.7
236 26.7 20.2 30.2





#77
Benzidine
Concen: 26.545 ng
RT: 19.777 min Scan# 2840
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

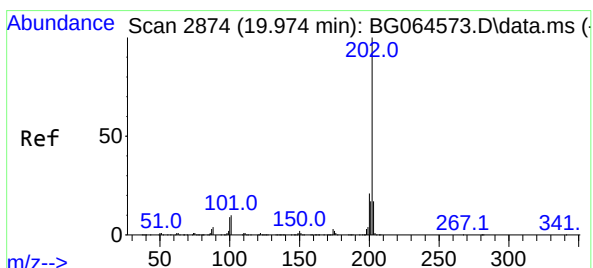
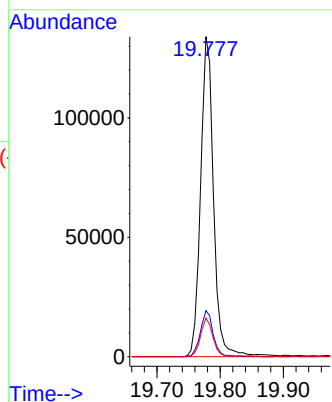
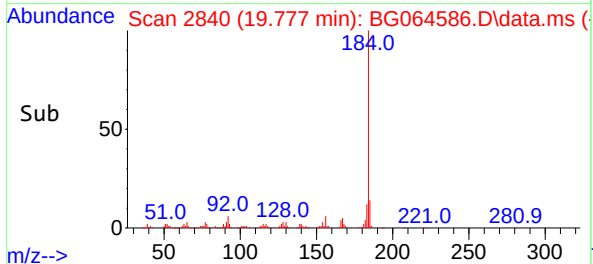
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



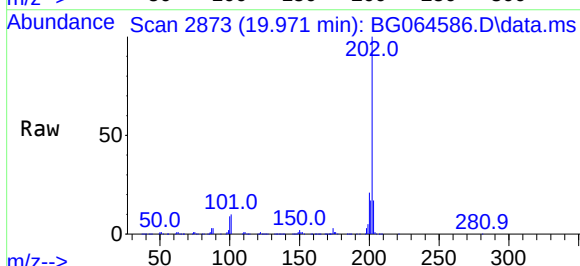
Tgt Ion:184 Resp: 190724
Ion Ratio Lower Upper
184 100
185 14.4 11.4 17.2
183 12.1 9.4 14.2

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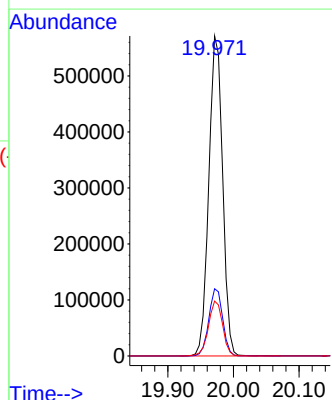
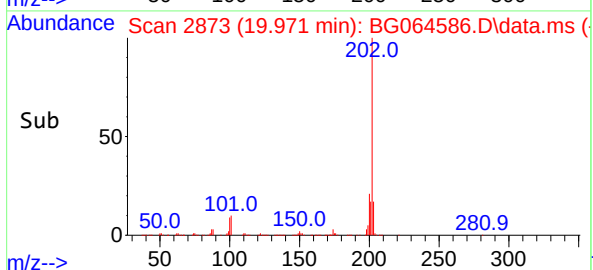
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025

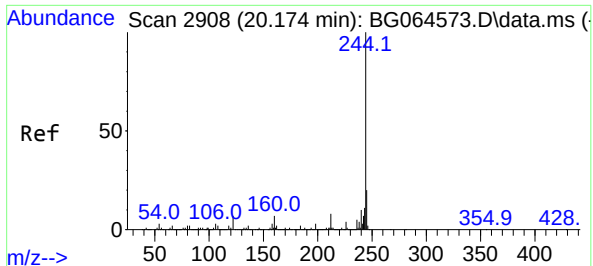


#78
Pyrene
Concen: 39.945 ng
RT: 19.971 min Scan# 2873
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00



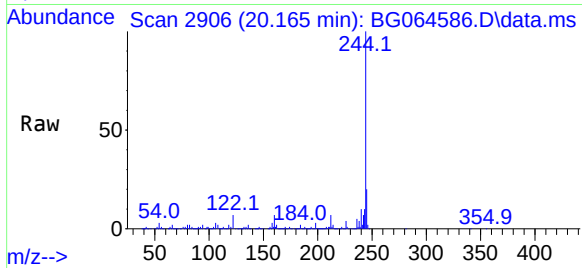
Tgt Ion:202 Resp: 836965
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 17.2 13.8 20.6





#79
Terphenyl-d14
Concen: 83.447 ng
RT: 20.165 min Scan# 2908
Delta R.T. -0.012 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

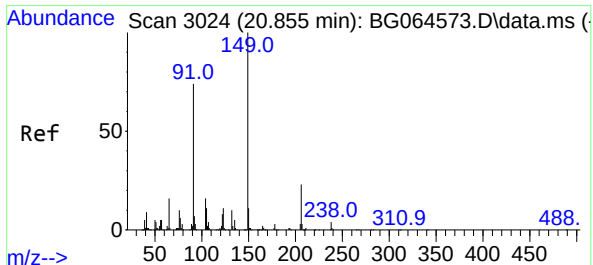
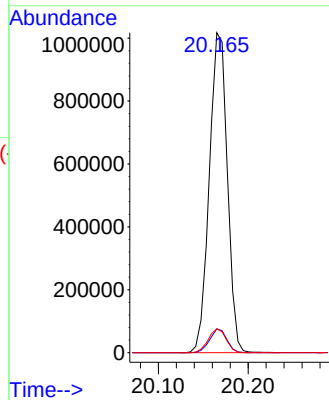
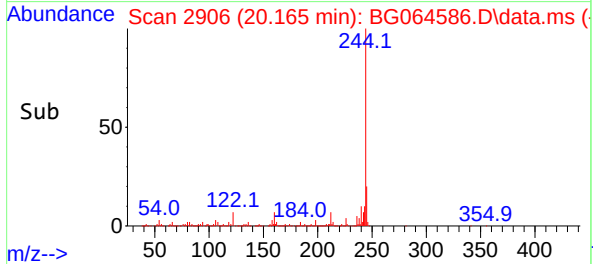
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



Tgt Ion:244 Resp: 1418084
Ion Ratio Lower Upper
244 100
212 7.5 6.1 9.1
122 7.5 5.6 8.4

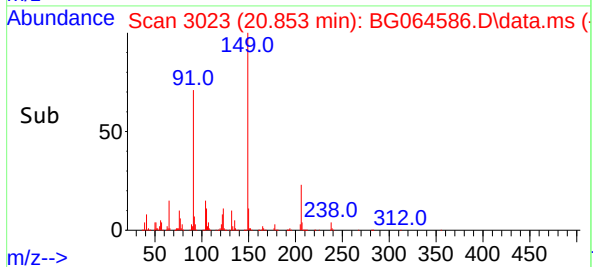
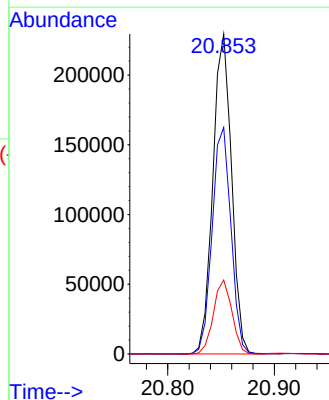
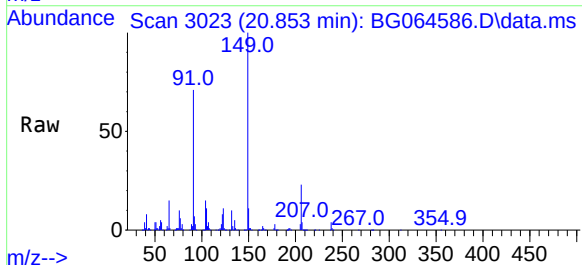
Manual Integrations
APPROVED

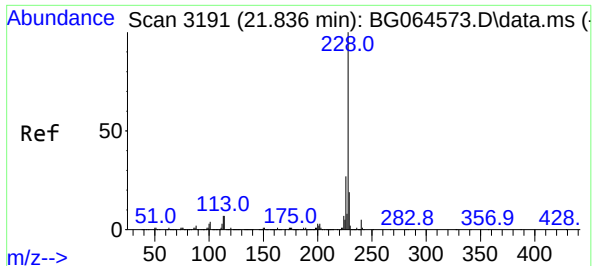
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#80
Butylbenzylphthalate
Concen: 44.040 ng
RT: 20.853 min Scan# 3023
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

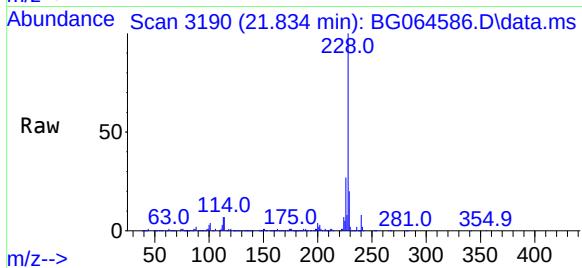
Tgt Ion:149 Resp: 278893
Ion Ratio Lower Upper
149 100
91 70.8 59.2 88.8
206 23.1 18.1 27.1





#81
Benzo(a)anthracene
Concen: 41.123 ng
RT: 21.834 min Scan# 3191
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

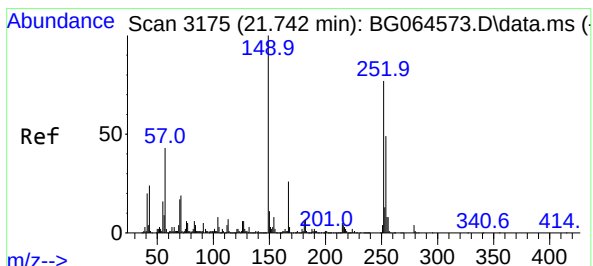
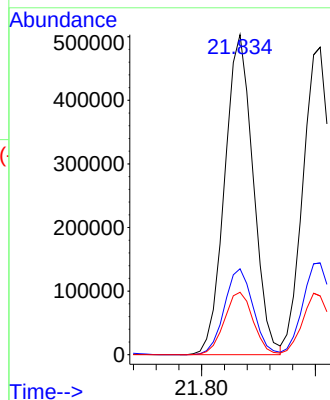
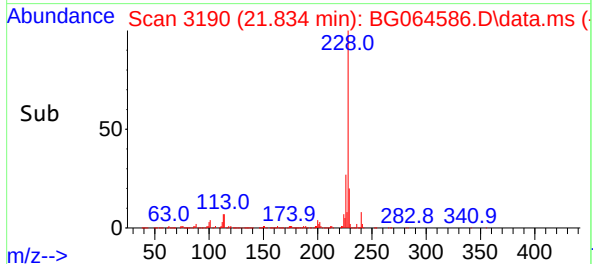
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



Tgt Ion:228 Resp: 874440
Ion Ratio Lower Upper
228 100
226 26.9 21.9 32.9
229 19.5 15.6 23.4

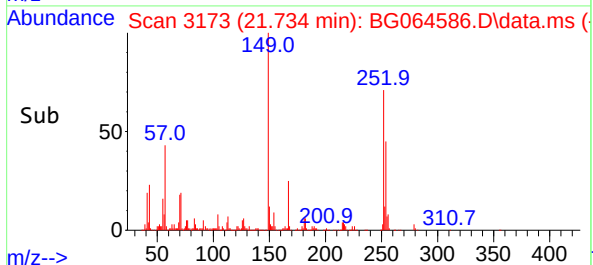
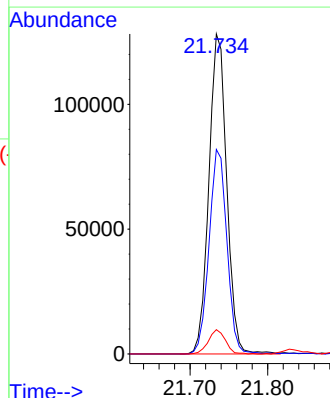
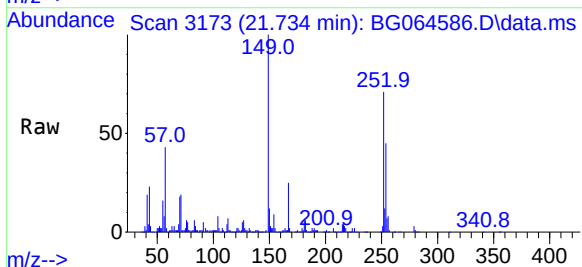
Manual Integrations
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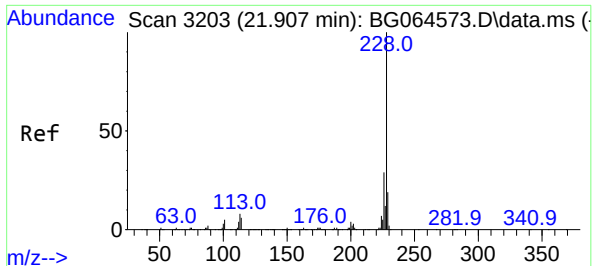
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#82
3,3'-Dichlorobenzidine
Concen: 28.885 ng
RT: 21.734 min Scan# 3173
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Tgt Ion:252 Resp: 205104
Ion Ratio Lower Upper
252 100
254 63.9 50.8 76.2
126 7.6 5.8 8.6





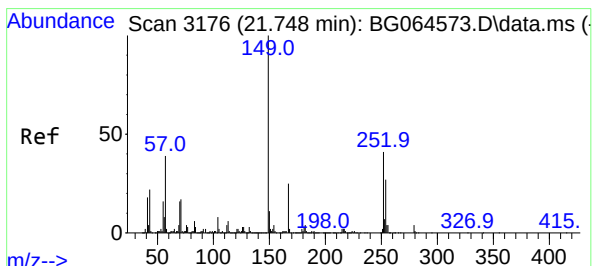
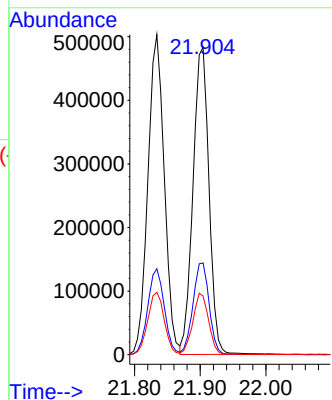
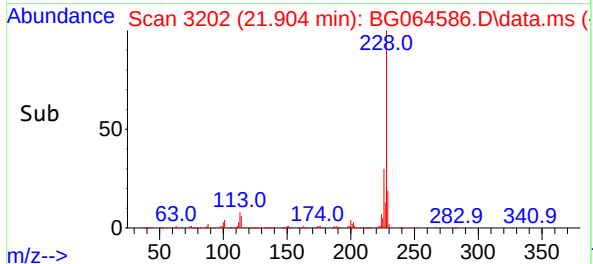
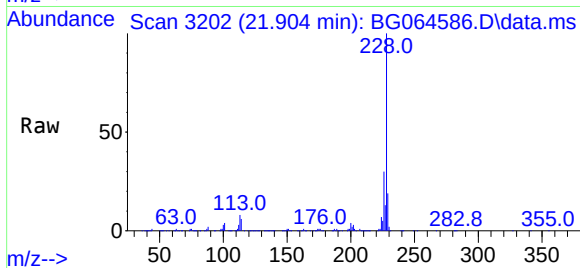
#83
Chrysene
Concen: 40.422 ng
RT: 21.904 min Scan# 3178
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Instrument :
BNA_G
ClientSampleId :
PB170222BSD

Tgt Ion:228 Resp: 817870
Ion Ratio Lower Upper
228 100
226 29.8 23.3 34.9
229 19.1 15.2 22.8

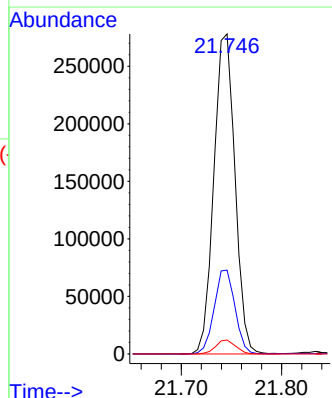
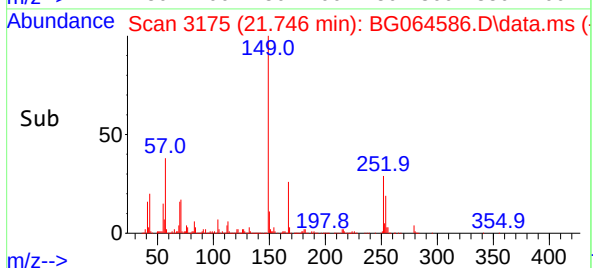
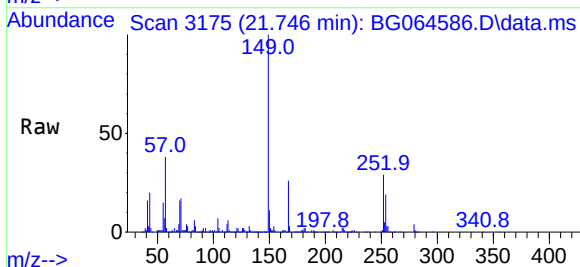
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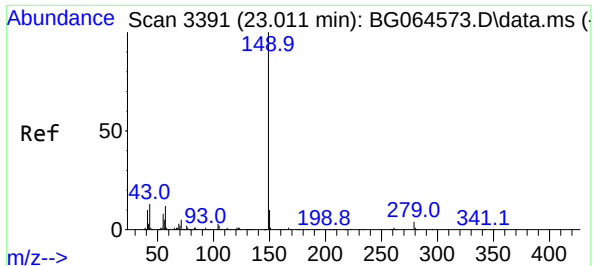
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.877 ng
RT: 21.746 min Scan# 3175
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

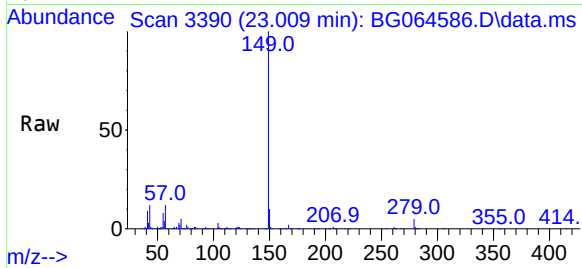
Tgt Ion:149 Resp: 405733
Ion Ratio Lower Upper
149 100
167 26.2 20.0 30.0
279 4.4 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 42.361 ng
RT: 23.009 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

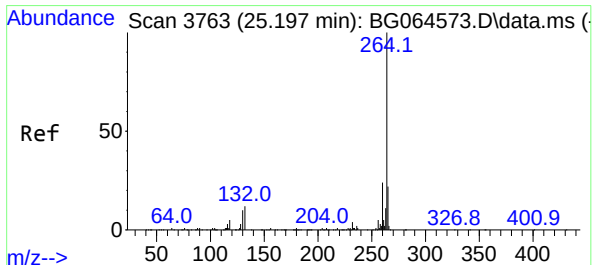
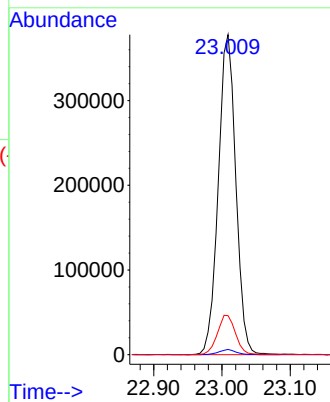
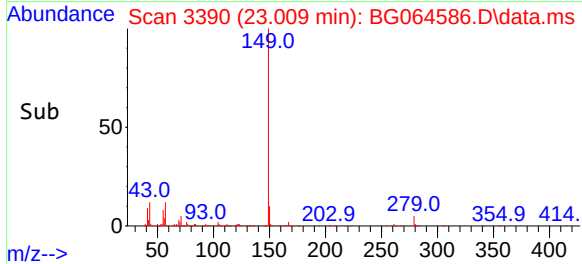
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



Tgt Ion:149 Resp: 67582
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 12.8 10.8 16.2

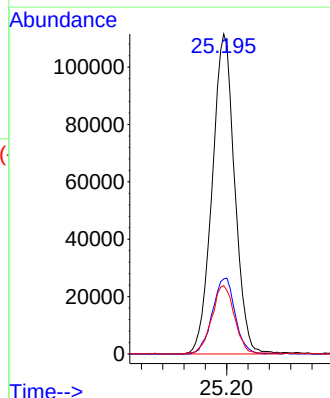
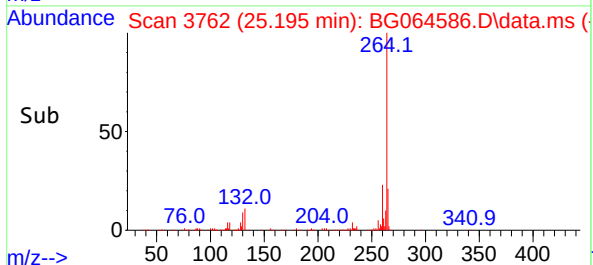
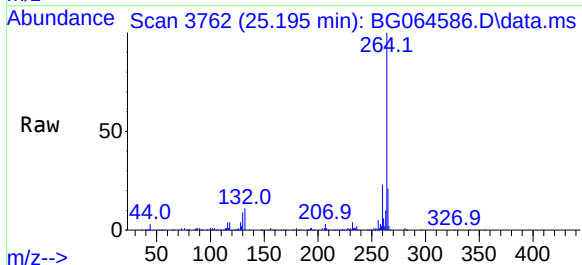
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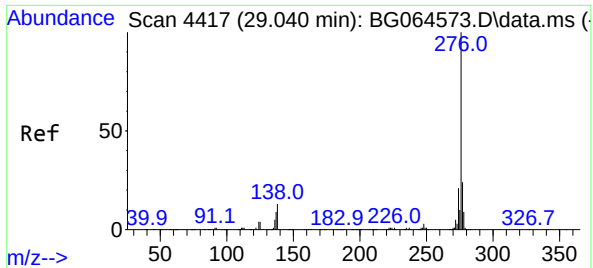
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.195 min Scan# 3762
Delta R.T. -0.006 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Tgt Ion:264 Resp: 326136
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.4
265 21.3 17.6 26.4





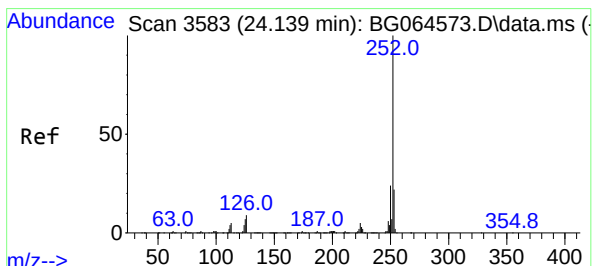
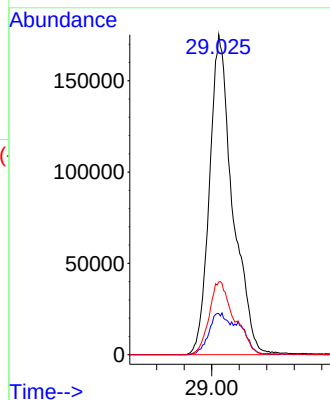
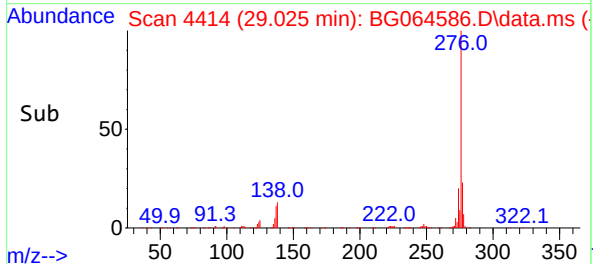
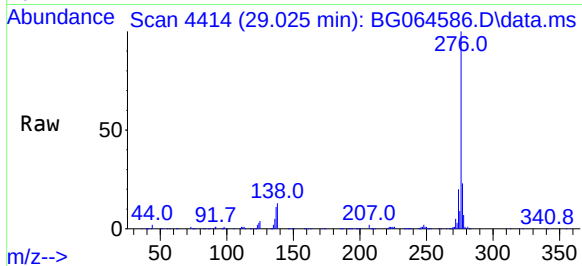
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.688 ng
RT: 29.025 min Scan# 4414
Delta R.T. -0.035 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Instrument :
BNA_G
ClientSampleId :
PB170222BSD

Tgt Ion:276 Resp: 102415
Ion Ratio Lower Upper
276 100
138 11.8 10.8 16.2
277 25.1 20.1 30.1

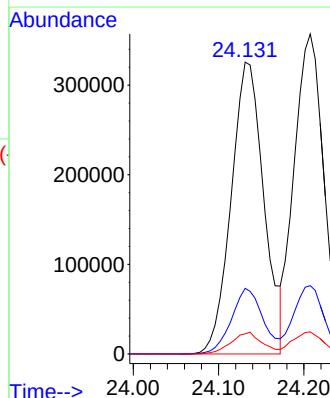
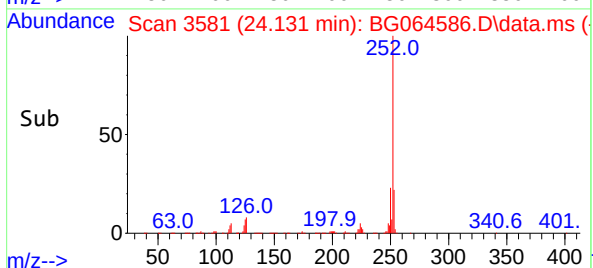
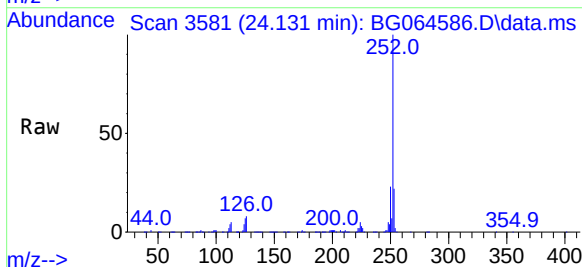
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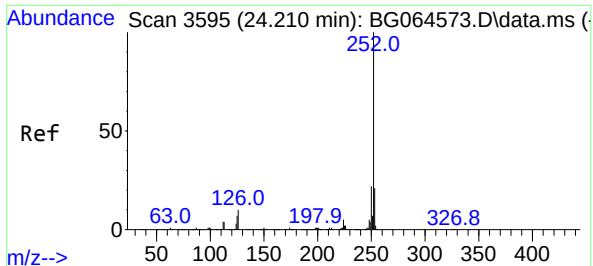
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#88
Benzo(b)fluoranthene
Concen: 43.456 ng
RT: 24.131 min Scan# 3581
Delta R.T. -0.012 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Tgt Ion:252 Resp: 869051
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 6.9 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 43.107 ng

RT: 24.207 min Scan# 3

Delta R.T. -0.012 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

Instrument :

BNA_G

ClientSampleId :

PB170222BSD

Tgt Ion:252 Resp: 86267

Ion Ratio Lower Upper

252 100

253 21.3 16.8 25.2

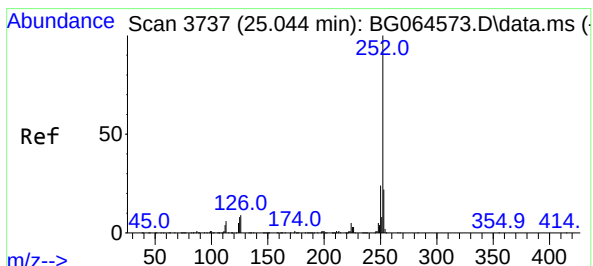
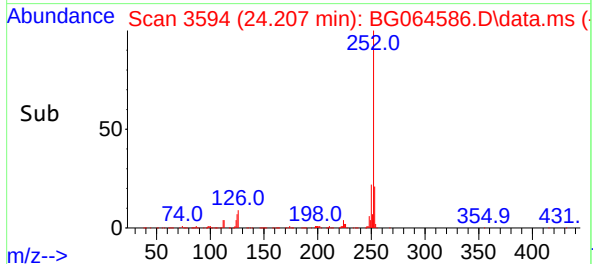
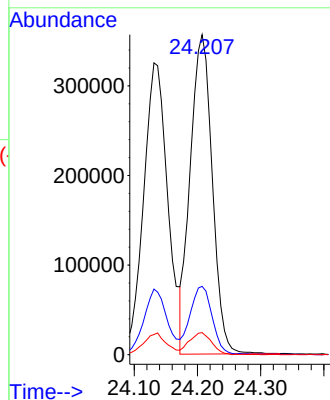
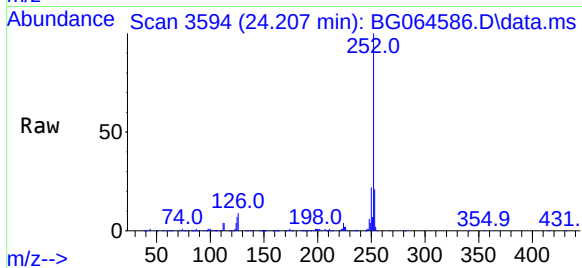
125 6.9 5.4 8.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/28/2025

Supervised By :Jagrut Upadhyay 10/28/2025



#90

Benzo(a)pyrene

Concen: 44.768 ng

RT: 25.042 min Scan# 3736

Delta R.T. -0.018 min

Lab File: BG064586.D

Acq: 27 Oct 2025 14:00

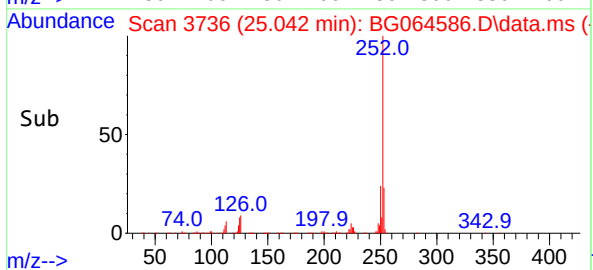
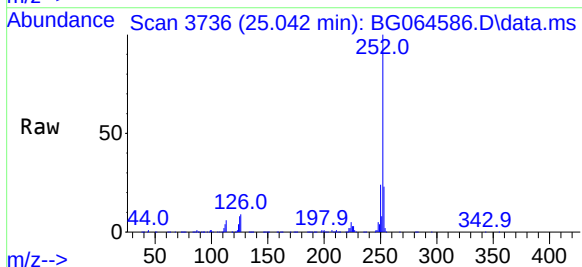
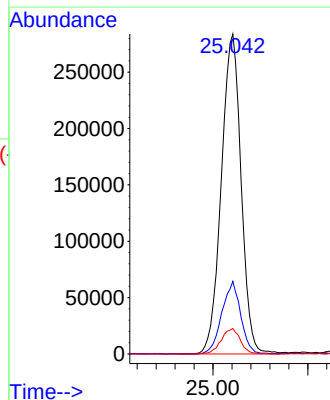
Tgt Ion:252 Resp: 822967

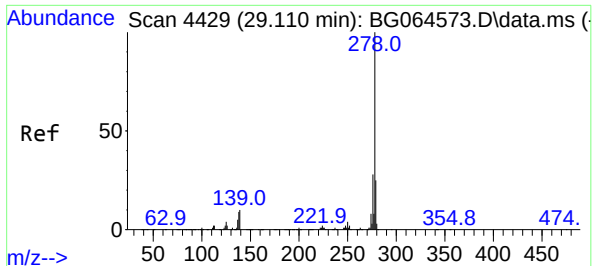
Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

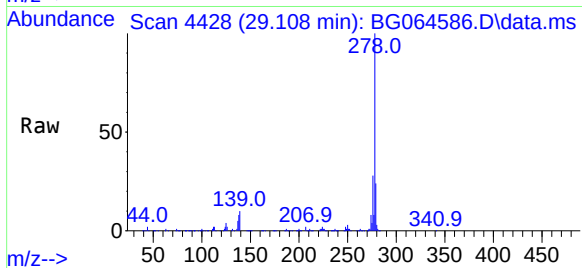
125 8.0 6.1 9.1





#91
Dibenzo(a,h)anthracene
Concen: 43.557 ng
RT: 29.108 min Scan# 4429
Delta R.T. -0.030 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

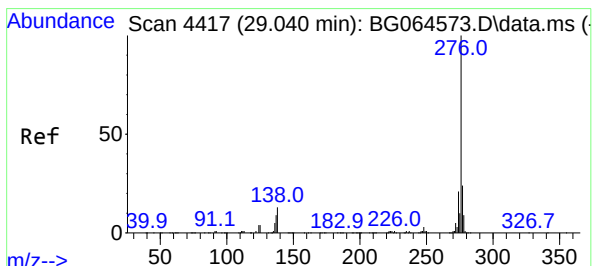
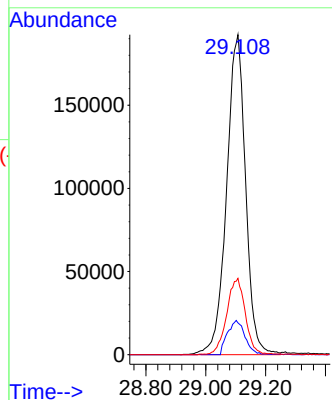
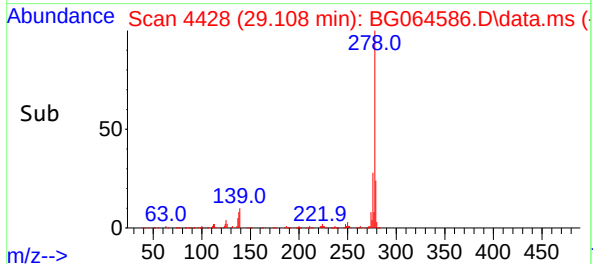
Instrument :
BNA_G
ClientSampleId :
PB170222BSD



Tgt Ion:278 Resp: 84899
Ion Ratio Lower Upper
278 100
139 9.9 8.0 12.0
279 23.8 19.8 29.6

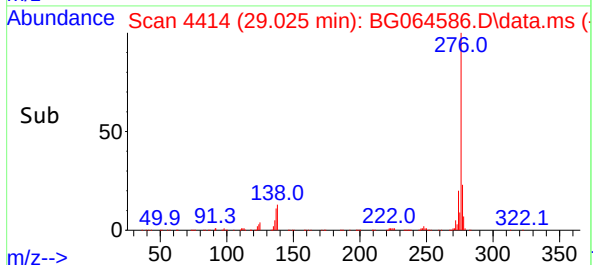
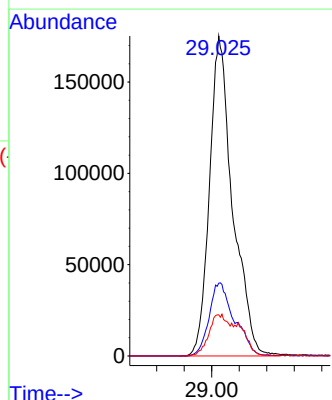
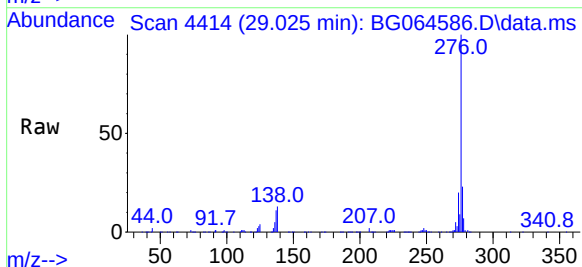
Manual Integrations
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Reviewed By :Rahul Chavli 10/28/2025
Supervised By :Jagrut Upadhyay 10/28/2025



#92
Benzo(g,h,i)perylene
Concen: 42.688 ng
RT: 29.025 min Scan# 4414
Delta R.T. -0.035 min
Lab File: BG064586.D
Acq: 27 Oct 2025 14:00

Tgt Ion:276 Resp: 1024158
Ion Ratio Lower Upper
276 100
277 22.8 19.2 28.8
138 12.9 10.7 16.1



Manual Integration Report

Sequence:	BG102425	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064570.D	1,4-Dichlorobenzene	rahul	10/27/2025 8:32:20 AM	Jagrut	10/27/2025 12:24:38 PM	Peak Integrated by Software
SSTDICC005	BG064570.D	1-Methylnaphthalene	rahul	10/27/2025 8:32:20 AM	Jagrut	10/27/2025 12:24:38 PM	Peak Integrated by Software
SSTDICC010	BG064571.D	Benzoic acid	rahul	10/27/2025 8:32:22 AM	Jagrut	10/27/2025 12:24:41 PM	Peak Integrated by Software
SSTDICC020	BG064572.D	Benzoic acid	rahul	10/27/2025 8:32:28 AM	Jagrut	10/27/2025 12:24:43 PM	Peak Integrated by Software
SSTDICCC040	BG064573.D	Benzoic acid	rahul	10/27/2025 8:33:01 AM	Jagrut	10/27/2025 12:24:45 PM	Peak Integrated by Software
SSTDICC060	BG064574.D	2,4-Dimethylphenol	rahul	10/27/2025 8:33:03 AM	Jagrut	10/27/2025 12:24:48 PM	Peak Integrated by Software
SSTDICC060	BG064574.D	Benzoic acid	rahul	10/27/2025 8:33:03 AM	Jagrut	10/27/2025 12:24:48 PM	Peak Integrated by Software
SSTDICC080	BG064575.D	2,4-Dimethylphenol	rahul	10/27/2025 8:33:07 AM	Jagrut	10/27/2025 12:24:52 PM	Peak Integrated by Software
SSTDICC080	BG064575.D	Benzoic acid	rahul	10/27/2025 8:33:07 AM	Jagrut	10/27/2025 12:24:52 PM	Peak Integrated by Software
SSTDICC050	BG064576.D	2,4-Dimethylphenol	rahul	10/27/2025 8:33:12 AM	Jagrut	10/27/2025 12:24:54 PM	Peak Integrated by Software
SSTDICC050	BG064576.D	Benzoic acid	rahul	10/27/2025 8:33:12 AM	Jagrut	10/27/2025 12:24:54 PM	Peak Integrated by Software
SSTDICV040	BG064577.D	2,4-Dimethylphenol	rahul	10/27/2025 8:33:16 AM	Jagrut	10/27/2025 12:24:56 PM	Peak Integrated by Software
SSTDICV040	BG064577.D	Benzoic acid	rahul	10/27/2025 8:33:16 AM	Jagrut	10/27/2025 12:24:56 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

BG102425

Instrument

BNA_g

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:

BG102725

Instrument

BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170222BS	BG064585.D	Caprolactam	rahul	10/28/2025 11:51:02 AM	Jagrut	10/28/2025 3:55:21 PM	Peak Integrated by Software
PB170222BSD	BG064586.D	Caprolactam	rahul	10/28/2025 11:51:04 AM	Jagrut	10/28/2025 3:55:24 PM	Peak Integrated by Software

Instrument ID: **BNA_G**

Daily Analysis Runlog For Sequence/QC Batch ID # BG102425

Review By	rahul	Review On	10/27/2025 10:16:00 AM		
Supervise By	Jagrut	Supervise On	10/27/2025 12:25:10 PM		
SubDirectory	BG102425	HP Acquire Method	BNA_G	HP Processing Method	BG102425
STD. NAME		STD REF.#			
Tune/Reschk		SP6875			
Initial Calibration Stds		SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864			
CCC		SP6860			
Internal Standard/PEM		S13179,10ul/1000ul sample			
ICV/I.BLK		SP6872			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064568.D	24 Oct 2025 8:20	RC/JU	Ok
2	SSTDICC2.5	BG064569.D	24 Oct 2025 9:00	RC/JU	Ok
3	SSTDICC005	BG064570.D	24 Oct 2025 9:41	RC/JU	Ok,M
4	SSTDICC010	BG064571.D	24 Oct 2025 11:02	RC/JU	Ok,M
5	SSTDICC020	BG064572.D	24 Oct 2025 12:23	RC/JU	Ok,M
6	SSTDICCC040	BG064573.D	24 Oct 2025 13:03	RC/JU	Ok,M
7	SSTDICC060	BG064574.D	24 Oct 2025 13:44	RC/JU	Ok,M
8	SSTDICC080	BG064575.D	24 Oct 2025 14:24	RC/JU	Ok,M
9	SSTDICC050	BG064576.D	24 Oct 2025 15:32	RC/JU	Ok,M
10	SSTDICV040	BG064577.D	24 Oct 2025 16:47	RC/JU	Ok,M
11	PB170222BL	BG064578.D	24 Oct 2025 17:28	RC/JU	Not Ok
12	Q3405-02	BG064579.D	24 Oct 2025 18:08	RC/JU	Ok
13	Q3405-03	BG064580.D	24 Oct 2025 18:49	RC/JU	Ok
14	Q3405-04	BG064581.D	24 Oct 2025 19:30	RC/JU	Ok

M : Manual Integration

Instrument ID: **BNA_G**

Daily Analysis Runlog For Sequence/QC Batch ID # BG102725

Review By	rahul	Review On	10/28/2025 11:51:41 AM
Supervise By	Jagrut	Supervise On	10/28/2025 3:56:19 PM
SubDirectory	BG102725	HP Acquire Method	BNA_G
		HP Processing Method	BG102425
STD. NAME	STD REF.#		
Tune/Reschk	SP6875		
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864		
CCC	SP6860		
Internal Standard/PEM	S13180,10ul/1000ul sample		
ICV/I.BLK	SP6872		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064582.D	27 Oct 2025 11:16	RC/JU	Ok
2	SSTDCCC040	BG064583.D	27 Oct 2025 11:57	RC/JU	Ok
3	PB170222BL	BG064584.D	27 Oct 2025 12:38	RC/JU	Ok
4	PB170222BS	BG064585.D	27 Oct 2025 13:19	RC/JU	Ok,M
5	PB170222BSD	BG064586.D	27 Oct 2025 14:00	RC/JU	Ok,M
6	PB170246BL	BG064587.D	27 Oct 2025 14:41	RC/JU	Ok
7	PB170246BS	BG064588.D	27 Oct 2025 15:22	RC/JU	Ok,M
8	Q3439-01	BG064589.D	27 Oct 2025 16:03	RC/JU	Ok
9	Q3439-05	BG064590.D	27 Oct 2025 16:44	RC/JU	Ok
10	Q3439-05MS	BG064591.D	27 Oct 2025 17:25	RC/JU	Ok,M
11	Q3439-05MSD	BG064592.D	27 Oct 2025 18:06	RC/JU	Ok,M
12	Q3400-01	BG064593.D	27 Oct 2025 18:47	RC/JU	Ok
13	Q3451-01	BG064594.D	27 Oct 2025 19:28	RC/JU	Ok
14	Q3451-01MS	BG064595.D	27 Oct 2025 20:09	RC/JU	Ok,M
15	Q3451-01MSD	BG064596.D	27 Oct 2025 20:50	RC/JU	Ok,M
16	Q3422-01	BG064597.D	27 Oct 2025 21:31	RC/JU	Ok
17	SSTDCCC040	BG064598.D	27 Oct 2025 22:11	RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QC Batch ID # BG102425

Review By	rahul	Review On	10/27/2025 10:16:00 AM
Supervise By	Jagrut	Supervise On	10/27/2025 12:25:10 PM
SubDirectory	BG102425	HP Acquire Method	BNA_G
		HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064568.D	24 Oct 2025 8:20		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064569.D	24 Oct 2025 9:00		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064570.D	24 Oct 2025 9:41		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064571.D	24 Oct 2025 11:02		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064572.D	24 Oct 2025 12:23		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064573.D	24 Oct 2025 13:03	Compound #26,32,48,51,54,57,65 are kept on LR	RC/JU	Ok,M
7	SSTDICC060	SSTDICC060	BG064574.D	24 Oct 2025 13:44		RC/JU	Ok,M
8	SSTDICC080	SSTDICC080	BG064575.D	24 Oct 2025 14:24		RC/JU	Ok,M
9	SSTDICC050	SSTDICC050	BG064576.D	24 Oct 2025 15:32		RC/JU	Ok,M
10	SSTDICV040	ICVBG102425	BG064577.D	24 Oct 2025 16:47	compound #77 failed in the ICV.	RC/JU	Ok,M
11	PB170222BL	PB170222BL	BG064578.D	24 Oct 2025 17:28	Analyzed for contamination check	RC/JU	Not Ok
12	Q3405-02	PAD-10-20-25-B	BG064579.D	24 Oct 2025 18:08		RC/JU	Ok
13	Q3405-03	PAD-10-20-25-C	BG064580.D	24 Oct 2025 18:49		RC/JU	Ok
14	Q3405-04	SW-10-20-25	BG064581.D	24 Oct 2025 19:30		RC/JU	Ok

M : Manual Integration

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QC Batch ID # BG102725

Review By	rahul	Review On	10/28/2025 11:51:41 AM
Supervise By	Jagrut	Supervise On	10/28/2025 3:56:19 PM
SubDirectory	BG102725	HP Acquire Method	BNA_G
		HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064582.D	27 Oct 2025 11:16		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064583.D	27 Oct 2025 11:57		RC/JU	Ok
3	PB170222BL	PB170222BL	BG064584.D	27 Oct 2025 12:38		RC/JU	Ok
4	PB170222BS	PB170222BS	BG064585.D	27 Oct 2025 13:19		RC/JU	Ok,M
5	PB170222BSD	PB170222BSD	BG064586.D	27 Oct 2025 14:00		RC/JU	Ok,M
6	PB170246BL	PB170246BL	BG064587.D	27 Oct 2025 14:41		RC/JU	Ok
7	PB170246BS	PB170246BS	BG064588.D	27 Oct 2025 15:22		RC/JU	Ok,M
8	Q3439-01	TP-9	BG064589.D	27 Oct 2025 16:03		RC/JU	Ok
9	Q3439-05	TP-10	BG064590.D	27 Oct 2025 16:44		RC/JU	Ok
10	Q3439-05MS	TP-10MS	BG064591.D	27 Oct 2025 17:25		RC/JU	Ok,M
11	Q3439-05MSD	TP-10MSD	BG064592.D	27 Oct 2025 18:06		RC/JU	Ok,M
12	Q3400-01	FRAC-TANK-0760450	BG064593.D	27 Oct 2025 18:47	Analyzed again as DOD sample, Double Internal standard added	RC/JU	Ok
13	Q3451-01	TP-11	BG064594.D	27 Oct 2025 19:28		RC/JU	Ok
14	Q3451-01MS	TP-11MS	BG064595.D	27 Oct 2025 20:09		RC/JU	Ok,M
15	Q3451-01MSD	TP-11MSD	BG064596.D	27 Oct 2025 20:50		RC/JU	Ok,M
16	Q3422-01	PR132-S15-000008-20	BG064597.D	27 Oct 2025 21:31		RC/JU	Ok
17	SSTDCCC040	SSTDCCC040EC	BG064598.D	27 Oct 2025 22:11		RC/JU	Ok

M : Manual Integration

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A **Extraction By:** RS

Balance check: N/A **Filter By:** RS

Balance ID: N/A **pH Meter ID:** N/A

pH Strip Lot#: E3953 **Hood ID:** 4,6,7

Extraction Method: ☒ Separatory Funnel ☐ Continous Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Extraction Start Date : 10/22/2025

Extraction Start Time : 09:08

Extraction End Date : 10/22/2025

Extraction End Time : 14:05

Concentration By: EH

Supervisor By : RUPESH

Standarded 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	EP2652
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
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 **Envap ID:** NE VAP-02

KD Bath Temperature: 60 °C **Envap Temperature:** 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/22/25	RS (Ext-6b)	Rclsvoc
14:10	Preparation Group	Analysis Group

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 10/22/2025

Sample ID	Client Sample ID	Test	g / 	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170222BL	SBLK222	SVOC-TCL BNA -20	1000	6	RUPESH	Evelyn	1			SEP-1
PB170222BS	SLCS222	SVOC-TCL BNA -20	1000	6	RUPESH	Evelyn	1			2
PB170222BS D	SLCSD222	SVOC-TCL BNA -20	1000	6	RUPESH	Evelyn	1			3
Q3400-01	FRAC-TANK-0760450	SVOC-TCL BNA -20	990	6	RUPESH	Evelyn	1	F		4

Rs
10/22

170222
9:08

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3400 WorkList ID : 192626 Department : Extraction Date : 10-22-2025 09:03:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3400-01	FRAC-TANK-0760450	Water	SVOC-TCL BNA -20	Cool 4 deg C	ICES02	D31	10/20/2025	8270E

Date/Time 10/22/25 9:03
Raw Sample Received by: RS (Ext Lab)
Raw Sample Relinquished by: CS

Date/Time 10/23/25
Raw Sample Received by: CS
Raw Sample Relinquished by: RS (Ext Lab)

Prep Standard - Chemical Standard Summary

Order ID : Q3400

Test : SVOC-TCL BNA -20

Prepbatch ID : PB170222,

Sequence ID/Qc Batch ID: BF102325,BF102425,BG102425,BG102725,

Standard ID :

EP2609,EP2610,EP2652,SP6856,SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864,SP6865,SP6866,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,S13179,S13180,S13207,S13214,S13233,S13239,S13240,S13241,S13242,S13243,S13244,S13269,W3112,

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
1874	10 N SODIUM HYDROXIDE SOLN	EP2609	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2	None	Riteshkumar Patel
(EX-SC-2)								
<u>FROM</u>	1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml							



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2652	10/10/2025	01/28/2026	Evelyn Huang	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 10/10/2025
<u>FROM</u> 4000.00000gram of E3875 = Final Quantity: 4000.000 gram								

[illegible]

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
18	Second Source Calibration Stock Standard, 100 PPM,	SP6871	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel
(8270/625/CLP) 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								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
416	40 ng BNA ICV, 40 PPM	SP6872	09/22/2025	11/16/2025	Jagrut Upadhyay	None	None	Yogesh Patel 09/27/2025
<u>FROM</u>	0.01000ml of S13175 + 0.60000ml of E3973 + 0.40000ml of SP6871 = Final Quantity: 1.010 ml							

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3895	50 ug/ml DFTPP 8270E	SP6875	09/30/2025	03/30/2026	Rahul Chavli	None	None	Jagrut Upadhyay 09/30/2025
<u>FROM</u>	1.00000ml of S12577 + 19.00000ml of E3973 = Final Quantity: 20.000 ml							

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	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	11/05/2025	05/05/2025 / RUPESH	04/23/2025 / RUPESH	E3932

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	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,CH ₂ Cl ₂ ,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12220

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,CH ₂ Cl ₂ ,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]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12507

[CS 4978-1]

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]	A0214021	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12508

[CS 4978-1]

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]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12552

[CS 4978-2]

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]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12553

[CS 4978-2]

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]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12554

[CS 4978-2]

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]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12555

[CS 4978-2]

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]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12556

[CS 4978-2]

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]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12557

[CS 4978-2]

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]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12558

[CS 4978-2]

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]	A0214017	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12559

[CS 4978-2]

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]	A0214017	03/22/2026	09/22/2025 / Jagrut	07/23/2024 / RAHUL	S12560

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH ₂ Cl ₂ , 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

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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13091

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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0221014	11/30/2025	09/03/2025 / Jagrut	05/20/2025 / Rahul	S13097

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13118

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13119

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0218894	02/25/2026	08/25/2025 / Jagrut	05/20/2025 / Rahul	S13120

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0201702	02/25/2026	08/25/2025 / Jagrut	11/13/2023 / Rahul	S13149

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0226283	02/25/2026	08/25/2025 / Jagrut	06/04/2025 / Rahul	S13160

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0224359	02/11/2026	08/11/2025 / Rahul	06/02/2025 / anahy	S13170

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 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, CH ₂ Cl ₂ , 1mL	A0224359	04/17/2026	10/17/2025 / rahul	06/02/2025 / anahy	S13179

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH ₂ Cl ₂ , 1mL	A0224359	03/31/2031	/	06/02/2025 / anahy	S13180

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0226493	02/12/2026	08/12/2025 / Jagrut	06/11/2025 / anahy	S13207

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31879 / Benzoic Acid, 2000 µg/mL, Methylene Chloride, 1 mL/ampul	A0221395	02/12/2026	08/12/2025 / Jagrut	07/10/2025 / anahy	S13214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	582978 / Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride, 1mL/ampul,	A0228192	02/12/2026	08/12/2025 / Jagrut	08/01/2025 / Rahul	S13233

Chromatographic,
CS-347186

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at \$100 per ampul if requested - contact ARM with Request]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13239

[CS 4978-1]

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]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13240

[CS 4978-1]

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]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13241

[CS 4978-1]

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]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13242

[CS 4978-1]

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]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13243

[CS 4978-1]

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]	A0228451	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13244

[CS 4978-1]

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]	A0228494	02/25/2026	08/25/2025 / Jagrut	08/06/2025 / Rahul	S13269

[CS 4978-2]

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



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis



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
02/08/23

b1

CG

S 11071

to

S 11075

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 CAS # 123-91-1 Purity 99% (Lot SHBN5929)	2,019.0 µg/mL	+/- 11.8486 µg/mL Gravimetric +/- 43.2570 µg/mL Unstressed +/- 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:

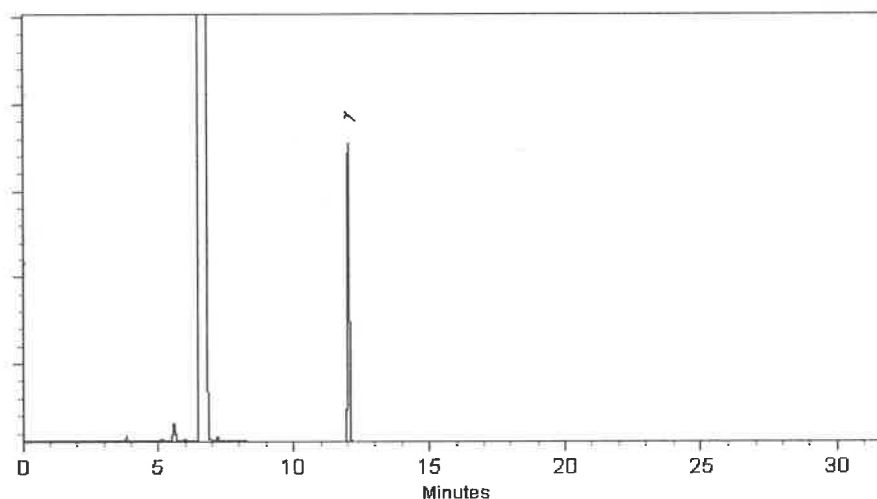
200°C

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™



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) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (μeq/g)	<= 0.3	0.2
Titration Base (μeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) 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

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



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:

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

Pellets

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	$\leq 0.005 \%$	$< 0.005 \%$	PASS
Chloride	$\leq 0.005 \%$	0.002 %	PASS
Heavy Metals	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Iron	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Magnesium	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Mercury	$\leq 0.1 \text{ ppm}$	$< 0.1 \text{ ppm}$	PASS
Nickel	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Nitrogen Compounds	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Phosphate	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Potassium	$\leq 0.02 \%$	$< 0.02 \%$	PASS
Purity	$\geq 97.0 \%$	99.2 %	PASS
Sodium Carbonate	$\leq 1.0 \%$	0.5 %	PASS
Sulfate	$\leq 0.003 \%$	$< 0.003 \%$	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

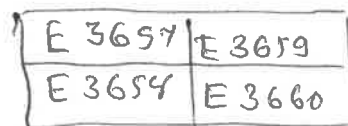
This document has been electronically produced and is valid without a signature.

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.





**PRODUCTOS
QUÍMICOS
MONTERREY, S.A. DE C.V.**

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 67 67
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na ₂ SO ₄
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO 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 foreign 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.

RE-02-01, Ed. 3

E 3875

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™



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) ₂ CO) (by GC, corrected for water)	>= 99.4 %	99.8 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.2 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	0.2 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as Heptachlor Epoxide) 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

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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



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)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	5
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.3 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	<0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<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

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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)



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)	$\geq 99.8\%$	100.0 %
Color (APHA)	≤ 10	5
Residue after Evaporation	≤ 1.0 ppm	0.1 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02\%$	$< 0.01\%$

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 10/10/25
RJ

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™



MG157
MS

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 ₂ SO 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 SO ₂)	<= 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

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials LLC

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

 **avantors**™



Material No.: 9673-33

Batch No.: 2411262013

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



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

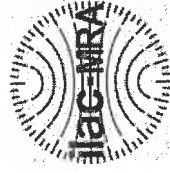
Avantor Performance Materials LLC



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com



Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 555870 Lot No.: A0200549

Description: Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1 mL/ampul

Container Size: 2 mL Pkg Amt: > 1 mL

Expiration Date: August 31, 2026 Storage: 10°C or colder

Ship: Ambient

5116gh } Y.P.
↓
511693 } 08/10/28

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:

$$U_{combined\ uncertainty} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

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.



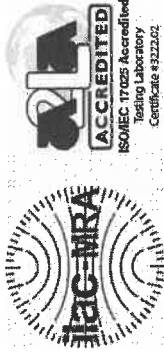
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No.: 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 } Y.P.
↓ 11/13/23
511658 }

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
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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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.



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



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:

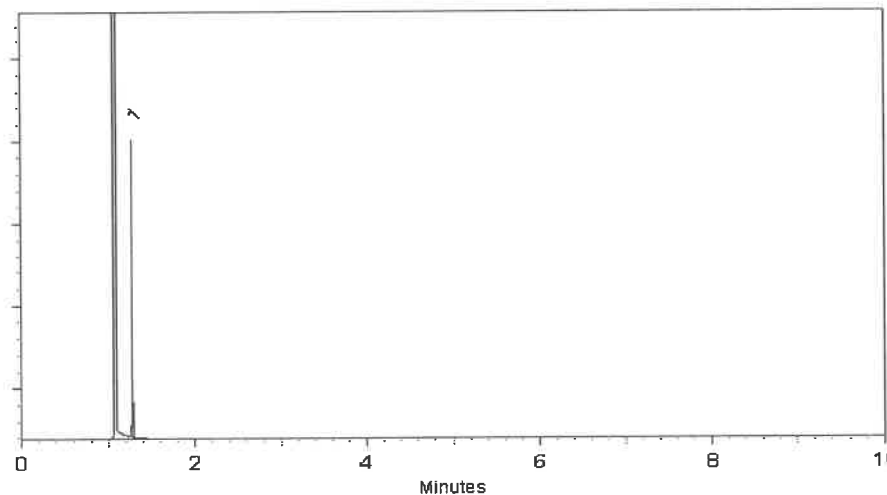
FID

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/ μ ECD, 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

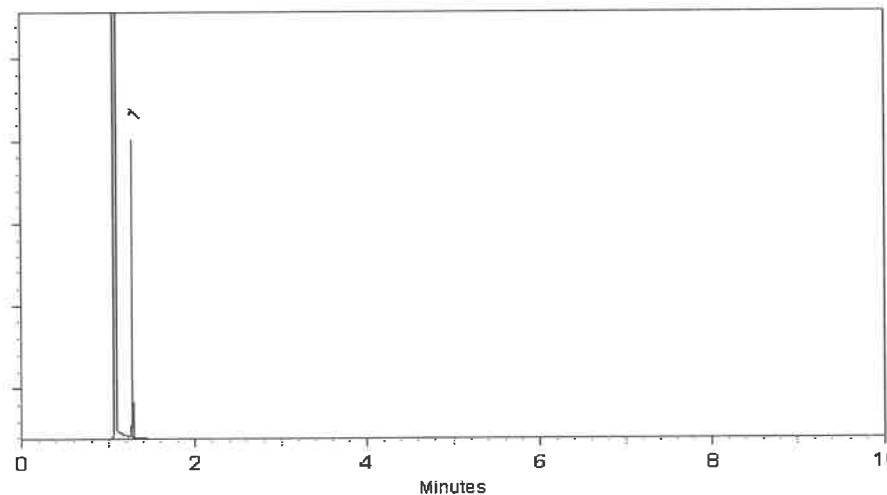
FID

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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2032 **Storage:** 10°C or colder
Ship: Ambient

512187 } RC/
↓ } 03/18/24
512206 }

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:

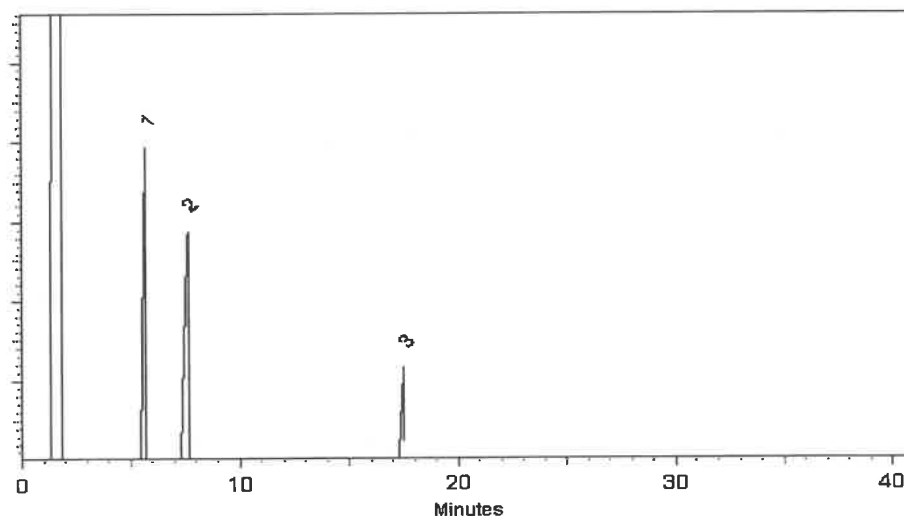
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



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Penelope S. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

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

512187 } RC/
↓ } 03/18/24
512206 }

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:

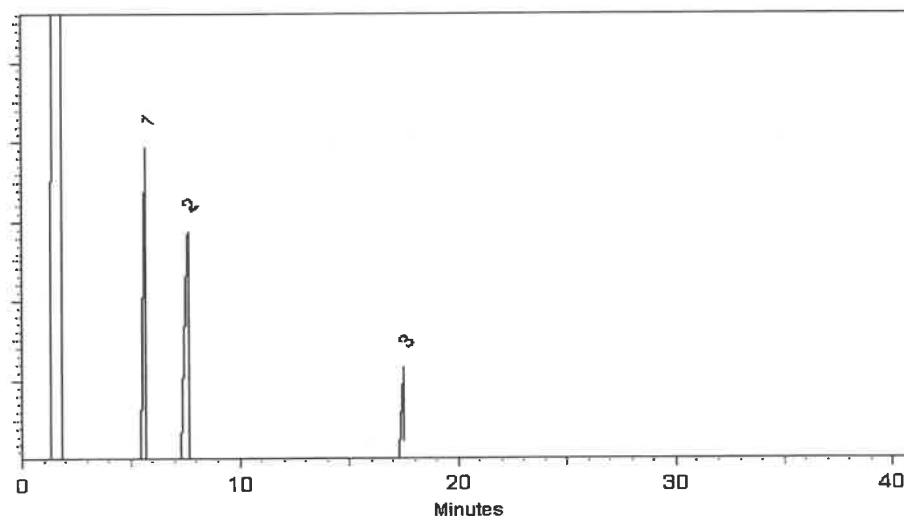
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



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Penelope S. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
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Ship: Ambient

512187 } RC/
↓ } 03/18/24
512206 }

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:

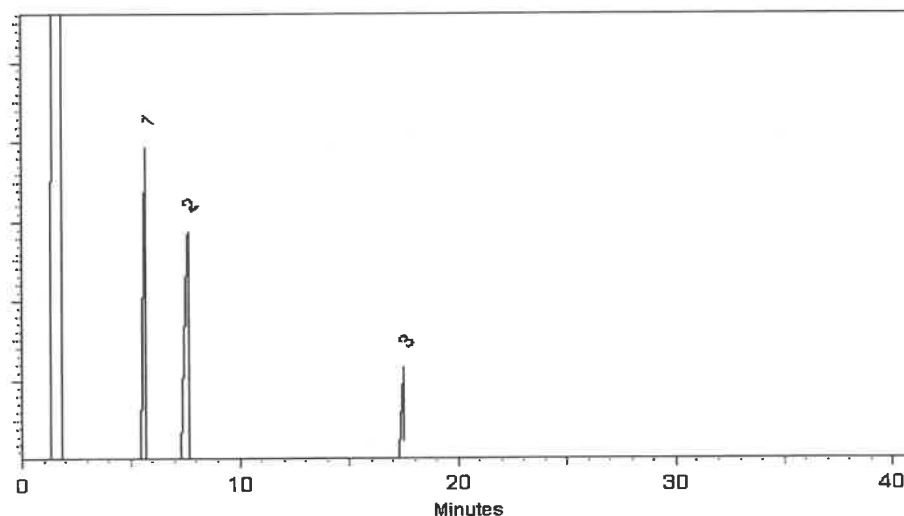
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



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Penelope S. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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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

512187 } RC/
↓ } 03/18/24
512206 }

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:

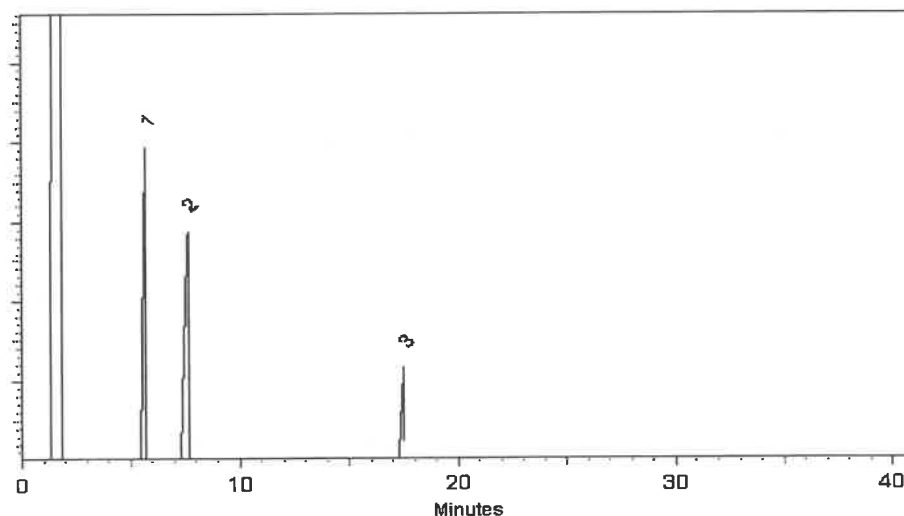
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



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Penelope S. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

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Catalog No. : 31086 **Lot No.:** A0206381
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
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 } RC/
↓
S12221 } 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-S (cat.#10223)

Carrier Gas:

hydrogen-constant pressure 10 psi.

Temp. Program:

40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:

250°C

Det. Temp:

330°C

Det. Type:

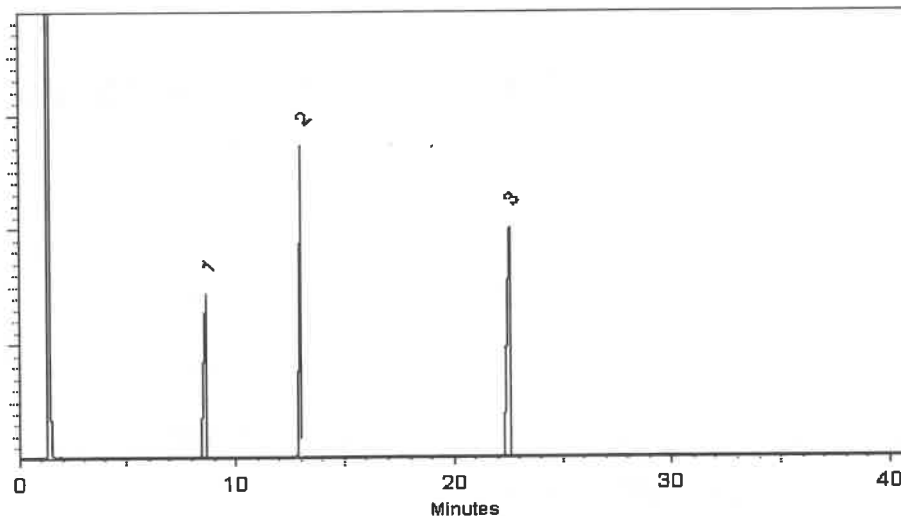
FID

Split Vent:

2 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 Balance Serial # 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : December 31, 2029 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

S12207 } RC/
↓
S12221 } 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-S (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:

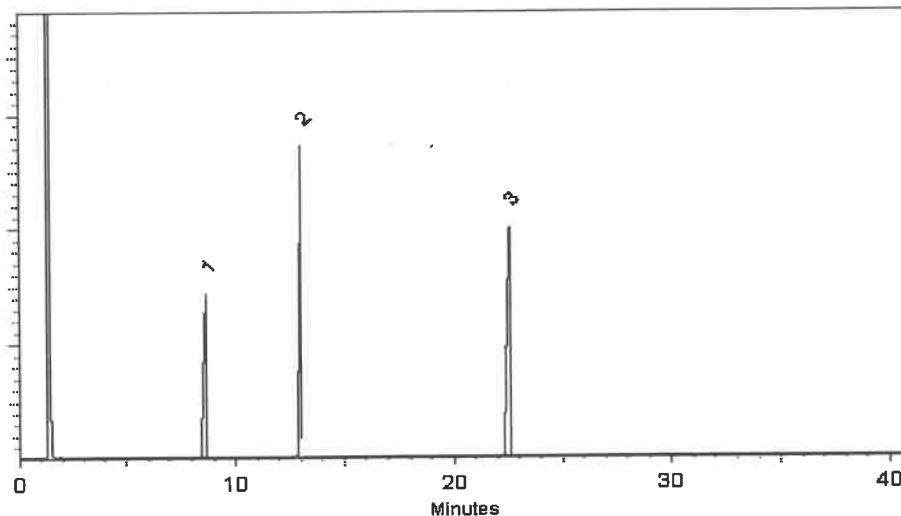
FID

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
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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

512242 } RC/
↓
512254 } 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:

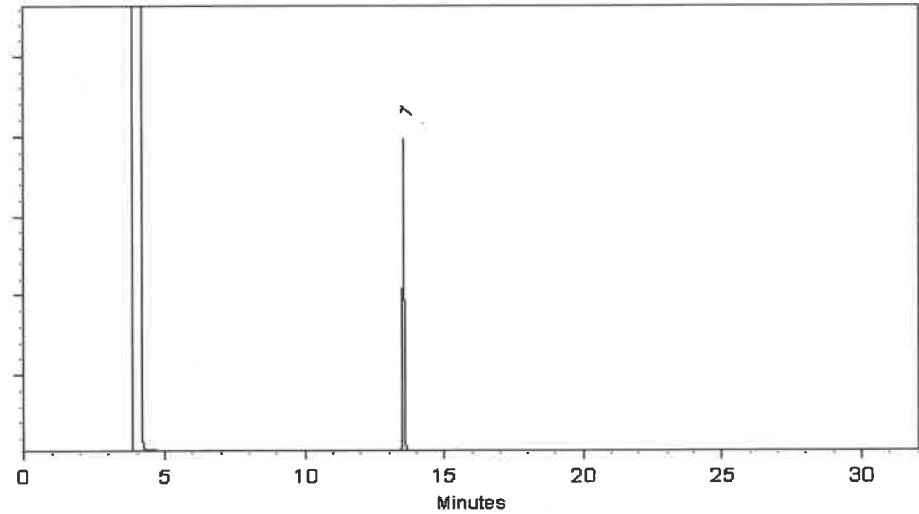
FID

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
Sam Moodler - Operations Tech I

Date Mixed: 16-Jan-2024

Balance Serial # B707717271

Jennifer Pollino
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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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. : 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

512302 } RC/
↓
512311 } 5/30/24

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:

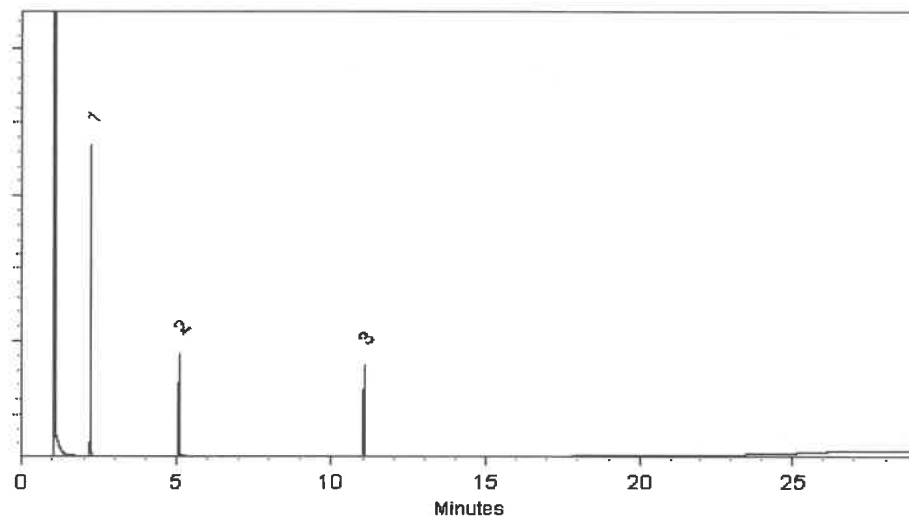
FID

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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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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

512302 } RC/
↓
512311 } 5/30/24

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:

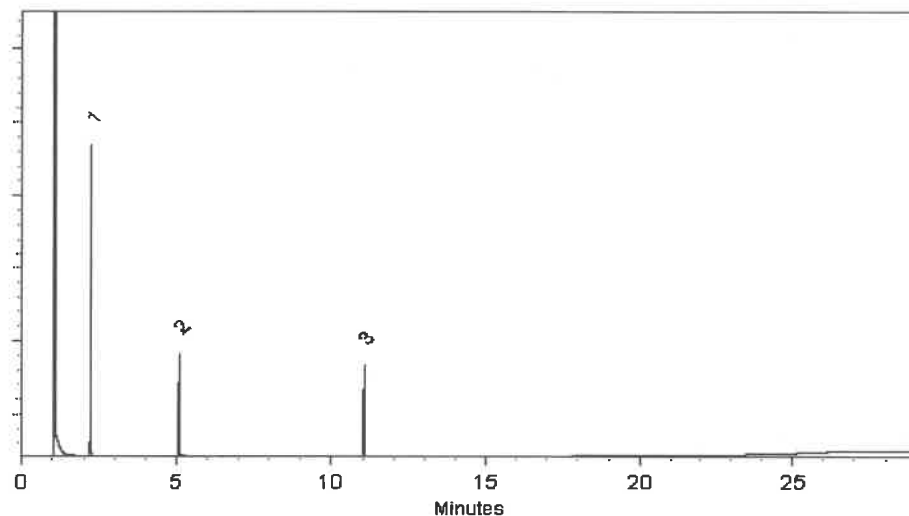
FID

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
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 } RC/
↓
S12508 } 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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 } RC/
↓
S12508 } 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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
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 } RC/
↓
S12568 } 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
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General Certified Reference Material Notes

Expiration Notes:

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Purity Notes:

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- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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. : 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 } RC/
↓
S12568 } 7/24/24


Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
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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:

- 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:

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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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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 } RC/
↓
S12568 } 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:

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k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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 } RC/
↓
S12568 } 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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
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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 } RC/
↓
S12568 } 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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Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
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5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 } RC/
↓
S12568 } 7/24/24


Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

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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 } RC/
↓
S12568 } 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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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 } RC/
↓
S12568 } 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:

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Manufacturing Notes:

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CERTIFIED REFERENCE MATERIAL

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chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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 } RC
↓
S12579 } 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:

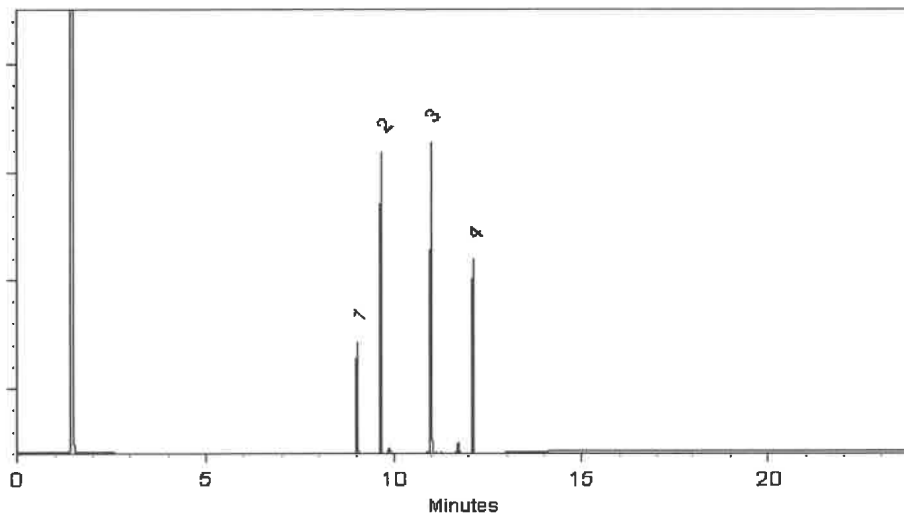
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl

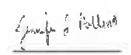


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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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Certificate of Analysis

chromatographic plus



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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

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

S12736 } AC
↓
S12754 } 10/9/24

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.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 90494
Lot Number: 061323
Description: 1-Methylnaphthalene

Solvent(s): Lot#
Methylene chloride C21F09CAS0000DCM

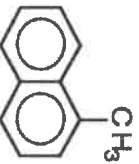
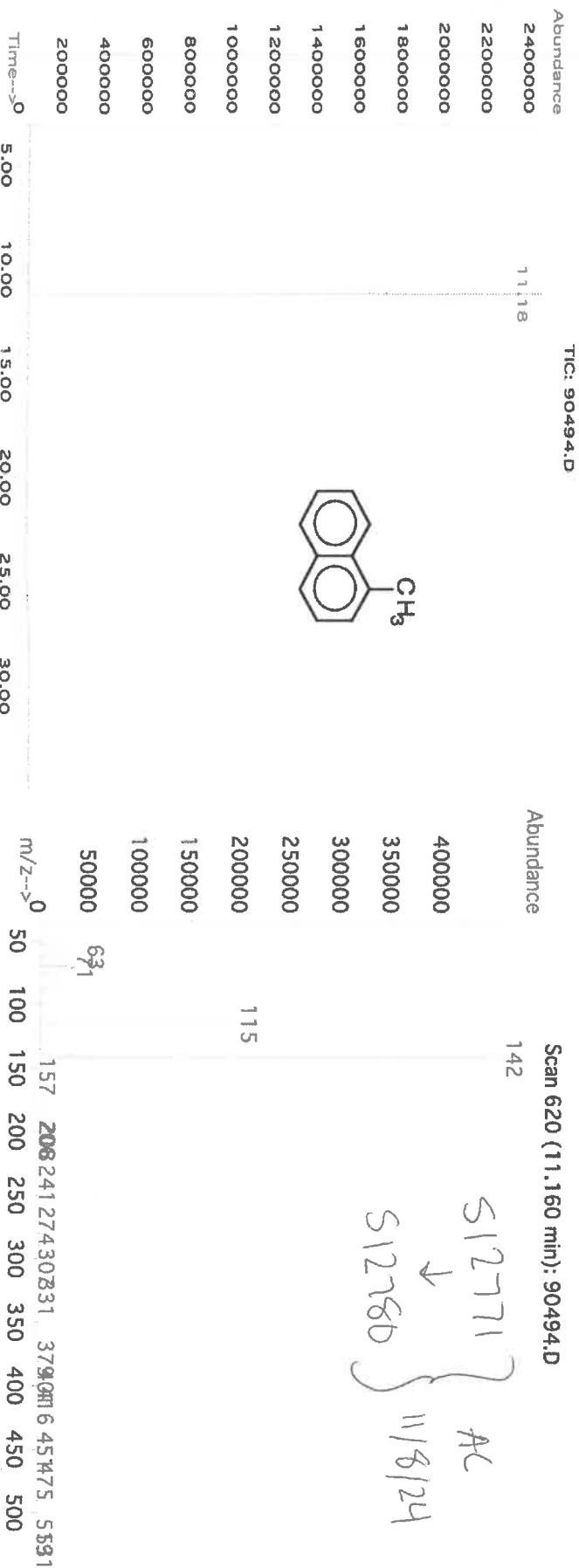
Expiration Date: 061328
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 100.0
5E-05 Balance Uncertainty
0.031 Flask Uncertainty

Formulated By: <i>Prahsant Chauhan</i>	061323
Reviewed By: <i>Pedro L. Farias</i>	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)	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 or: 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.



- 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 certified (±) 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 Results," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).



110 Benner Circle
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850

Lot No.: A0221014

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

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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:

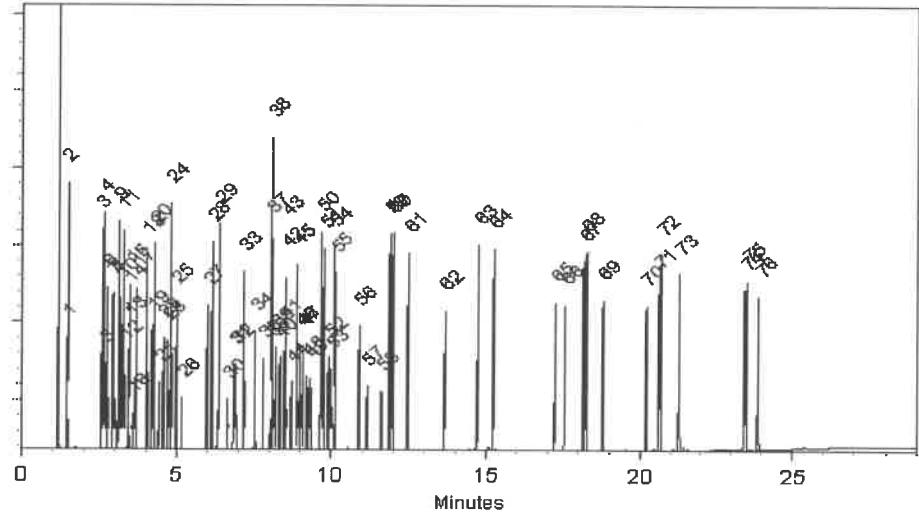
FID

Split Vent:

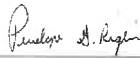
100 ml/min.

Inj. Vol

1µl

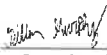


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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



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

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850

Lot No.: A0221014

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

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5/20/25.

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:

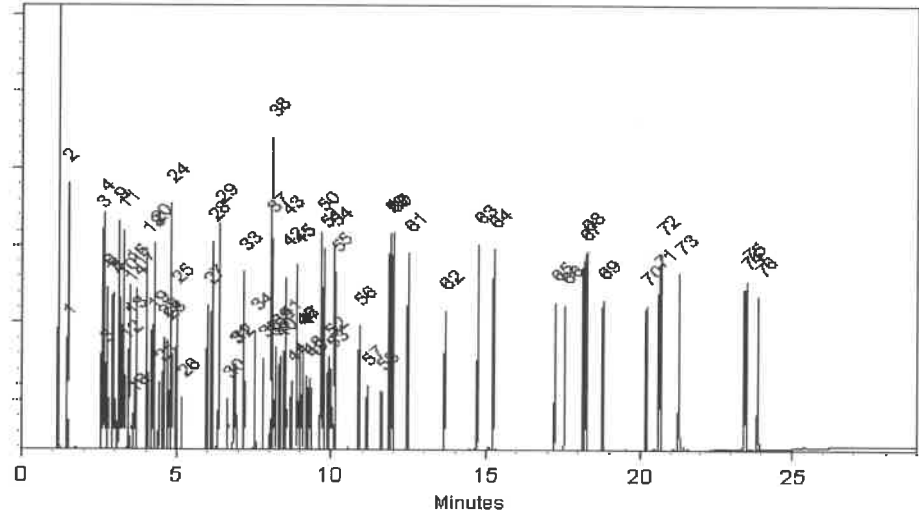
FID

Split Vent:

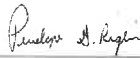
100 ml/min.

Inj. Vol

1µl

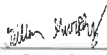


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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



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



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

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

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5/20/25.

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:

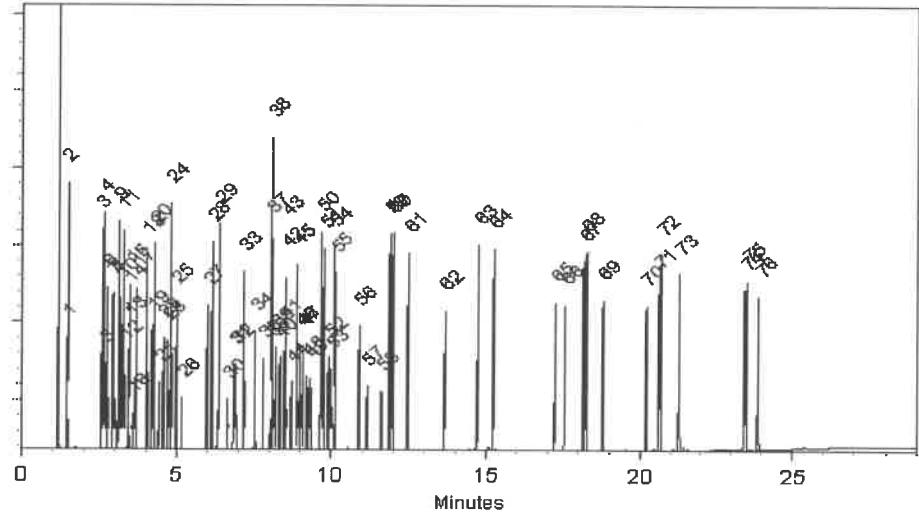
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Split Vent:

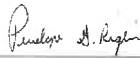
100 ml/min.

Inj. Vol

1µl

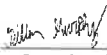


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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



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



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

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

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513117 } 24
5/20/25.

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:

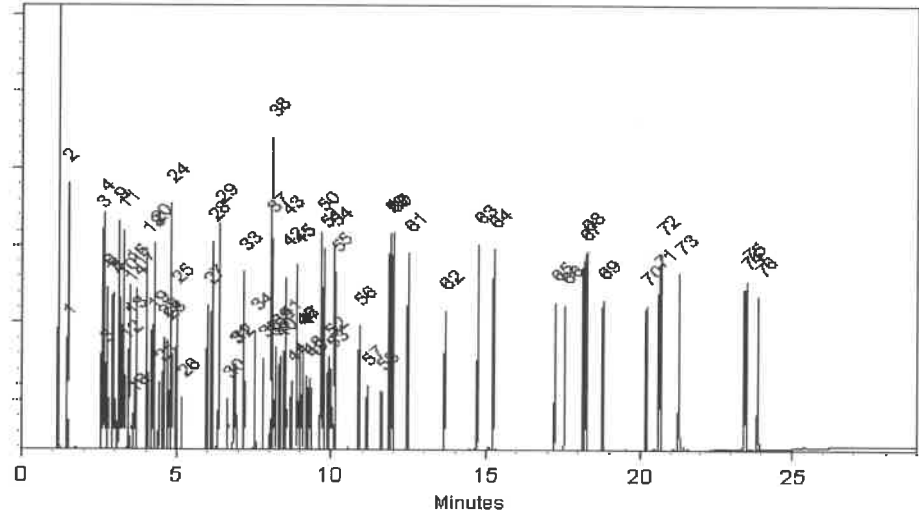
FID

Split Vent:

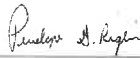
100 ml/min.

Inj. Vol

1µl

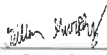


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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



110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850

Lot No.: A0221014

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

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5/20/25.

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:

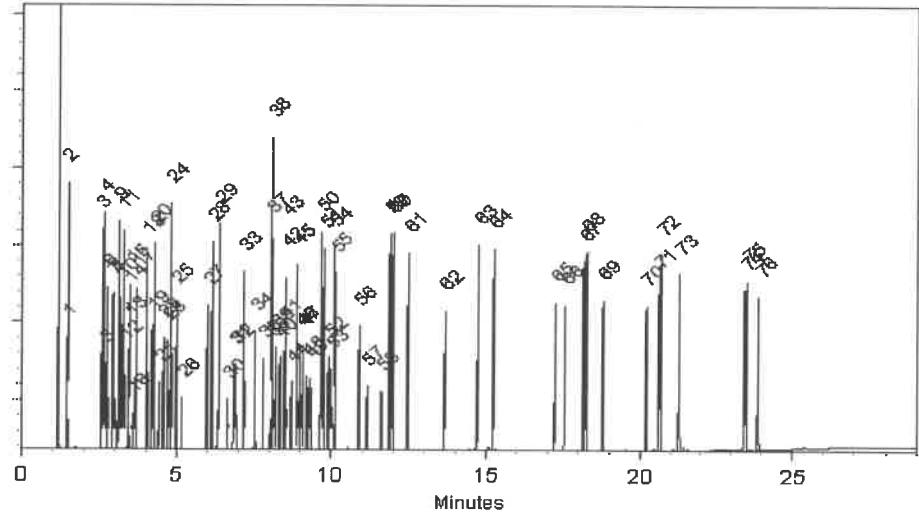
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Split Vent:

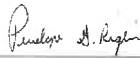
100 ml/min.

Inj. Vol

1µl

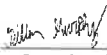


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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



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



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

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

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513117 } 24
5/20/25.

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:

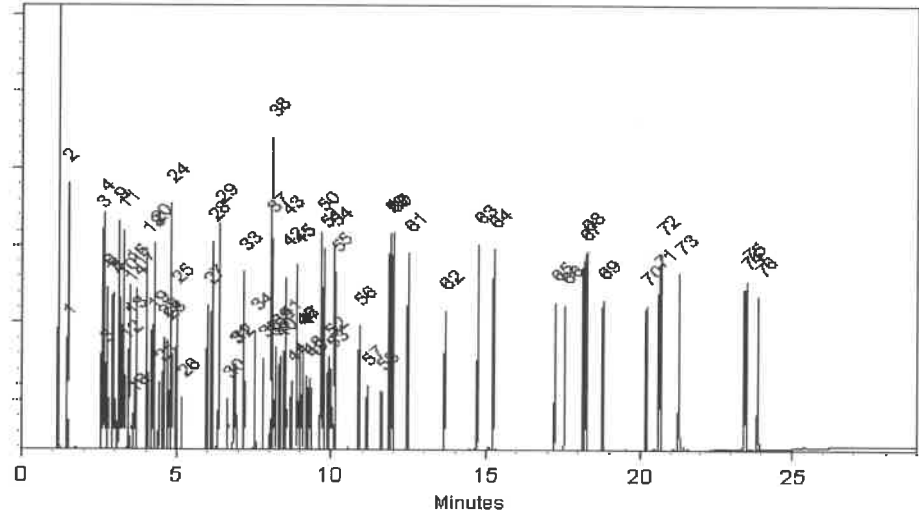
FID

Split Vent:

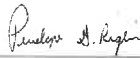
100 ml/min.

Inj. Vol

1µl

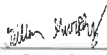


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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



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



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

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

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5/20/25.

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:

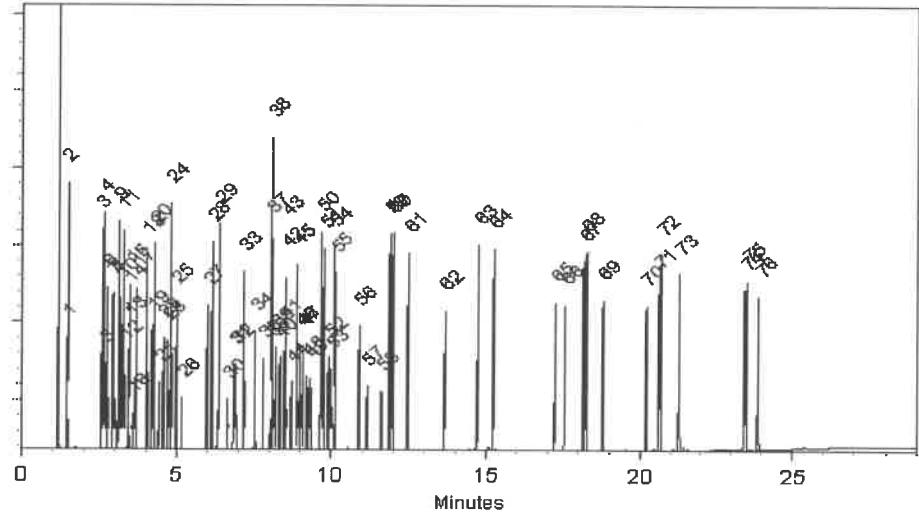
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Split Vent:

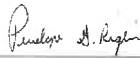
100 ml/min.

Inj. Vol

1µl

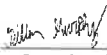


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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



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



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

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

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5/20/25.

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:

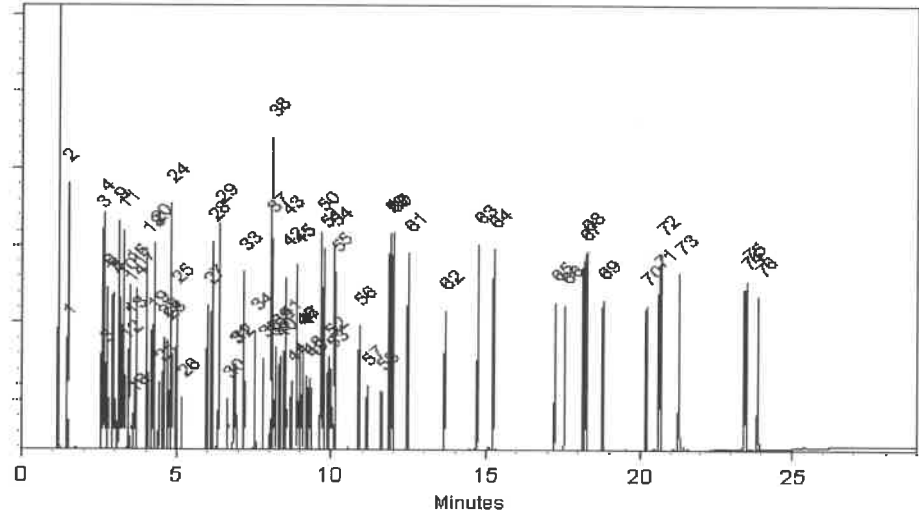
FID

Split Vent:

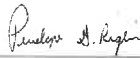
100 ml/min.

Inj. Vol

1µl

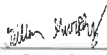


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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



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



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

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

513088 }
↓
513117 } 24
5/20/25.

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:

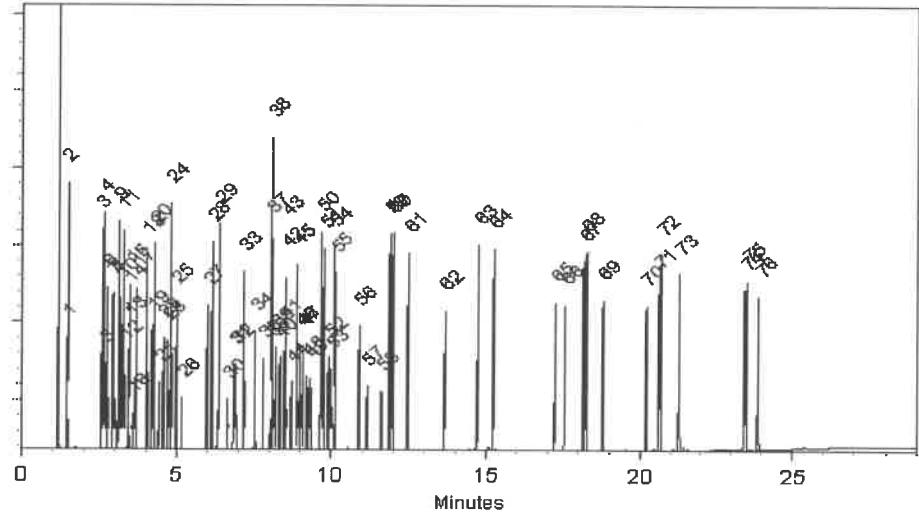
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Split Vent:

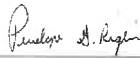
100 ml/min.

Inj. Vol

1µl

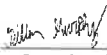


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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



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



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 } RC/
↓
513147 } 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:

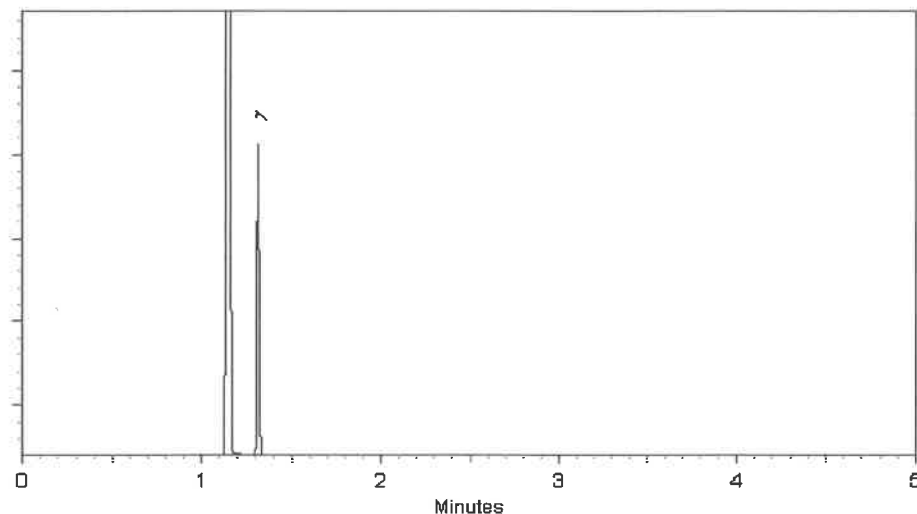
FID

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 Rignin - Operations Tech I

Date Mixed: 07-Nov-2024

Balance Serial # 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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Catalog No. : 31853 **Lot No.:** A0218894
Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul
Container Size : 2 mL **Pkg Amt:** > 1 mL
Expiration Date : November 30, 2029 **Storage:** 0°C or colder
Ship: Ambient

513118 } RC/
↓
513147 } 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:

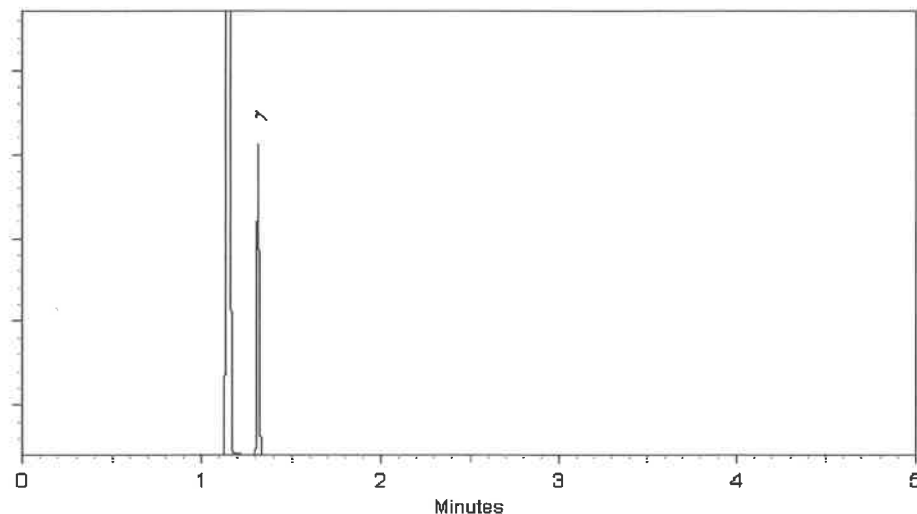
FID

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 Righlin - Operations Tech I

Date Mixed: 07-Nov-2024

Balance Serial # 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

Manufactured under Restek's ISO 9001:2015
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Catalog No. : 31853 **Lot No.:** A0218894

Description : 1,4-dioxane
1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2029 **Storage:** 0°C or colder
Ship: Ambient

513118 } RC/
↓
513147 } 5/20/25.

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ1693	99%	2,002.4 µg/mL	+/- 24.9202

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:

30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:

hydrogen-constant flow 1.8 mL/min.

Temp. Program:

80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:

250°C

Det. Temp:

340°C

Det. Type:

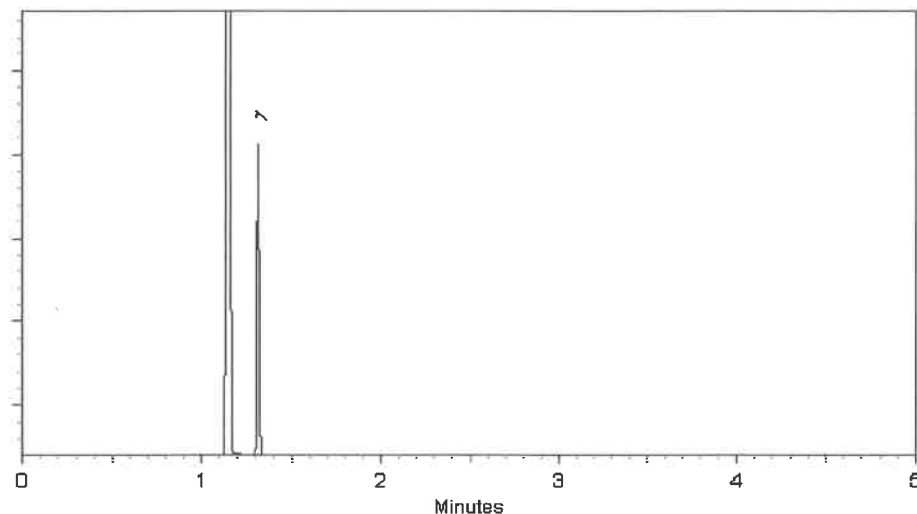
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 07-Nov-2024

Balance Serial # 1128360905

Dillan Murphy - Operations Technician I

Date Passed: 11-Nov-2024

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Catalog No. : 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

513158 } RC/
↓
513167 } 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
By: [Signature] Murphy at 11:21 am, Jan 05, 2025

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. : 31206 **Lot No.:** A0224359

Description : SV Internal Standard Mix 2mg/ml
SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2031 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S13168
↓
S13197 } AC
6/9/25

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

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

S13168
↓
S13197 } AC
6/9/25

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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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

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

S13168
↓
S13197 } AC
6/9/25

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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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

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

S13168
↓
S13197 } AC
6/9/25

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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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

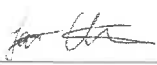
Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

S13198
↓
S13207 } AC
6/11/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S250227ECS	99%	25,004.0 µg/mL	+/- 495.8040

Solvent: Methanol
CAS # 67-56-1
Purity 99%


Laith Clemente - Operations Technician I

Date Mixed: 09-Jun-2025

Balance: 1122030677



Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



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Catalog No. : 31879 **Lot No.:** A0221395

Description : Benzoic Acid Mix

Benzoic Acid 2000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2029 **Storage:** 10°C or colder

Ship: Ambient

S13214 } AC
↓
S13218 } 7/10/25

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzoic acid	65-85-0	MKCR2694	99%	2,002.2 µg/mL	+/- 60.5426

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%



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Catalog No. : 582978

Lot No.: A0228192

Description : Custom Calibration Standard - C8

Custom Calibration Standard - C8 2,000µg/mL, Methylene chloride,
1mL/ampul

Container Size : 2 mL

Pkg Amt: > 1 mL

Expiration Date : July 31, 2028

Storage: 0°C or colder

Ship: Ambient

513229 } RC/
↓
513238 } 8/1/25

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:

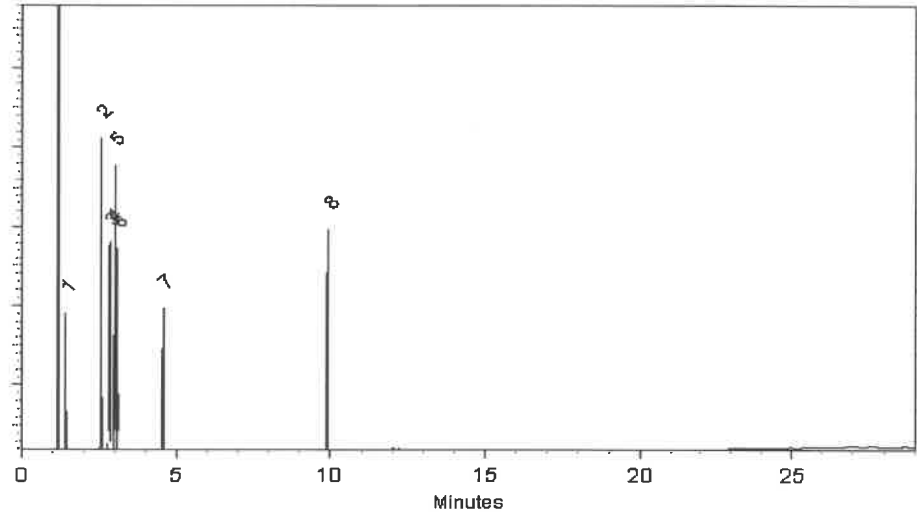
FID

Split Vent:

100 ml/min.

Inj. Vol

1µl



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Wilner Torres
Wilner Torres - Operation Tech I

Date Mixed: 27-Jul-2025

Balance Serial # B345965662

Jennifer Pollino
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 30-Jul-2025

REVIEWED
By: *William Murphy* at 10:51 pm, Jul 30, 2025

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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

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

S13239 } RC/
↓
S13268 } 08/06/25

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 Sucka - 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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Certificate of Analysis

gravimetric



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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

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

S13239 } RC/
↓
S13268 } 08/06/25

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 Sucka - Mix Technician

Date Mixed: 01-Aug-2025

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
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Catalog No. : 555223 **Lot No.:** A0228451

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

S13239 } RC/
↓
S13268 } 08/06/25

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 Sucka - Mix Technician

Date Mixed: 01-Aug-2025

Balance: 1128360905

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0228451

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

S13239 } RC/
↓
S13268 } 08/06/25

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 Sucka - Mix Technician

Date Mixed: 01-Aug-2025

Balance: 1128360905

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Catalog No. : 555223 **Lot No.:** A0228451

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

S13239 } RC/
↓
S13268 } 08/06/25

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 Sucka - Mix Technician

Date Mixed: 01-Aug-2025

Balance: 1128360905

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Catalog No. : 555223 **Lot No.:** A0228451

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

S13239 } RC/
↓
S13268 } 08/06/25

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 Sucka - 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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Bellefonte, PA 16823-8812
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gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 Lot No.: A0228494

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

513269 } RC1
↓
513298 } 08/06/25

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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** 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 } RC
↓
513157 } 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

CLIENT INFORMATION

CLIENT PROJECT INFORMATION

CLIENT BILLING INFORMATION

REPORT TO BE SENT TO:
COMPANY: ICE Service Group, Inc.
ADDRESS: 125 Bloomingdale Rd
CITY Levittown STATE: NJ ZIP:
ATTENTION: Dennis d. morgan, ii
PHONE: FAX:

PROJECT NAME: ICES02
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

BILL TO: PO#:
ADDRESS:
CITY Samuel STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

DATA DELIVERABLE INFORMATION

FAX (RUSH) DAYS*
HARDCOPY (DATA PACKAGE): 72 HR TAT DAYS*
EDD: DAYS*

*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data ☐ Other
☐ EDD FORMAT

1: 2: 3: 4: 5: 6: 7: 8: 9:
PCB SVOC-TU-BNA-20 PH VOC-TU-VOL-10 Mercury TSS

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES										← Specify Preservatives A-HCl D-NaOH B-HNO3 E-ICE C-H2SO4 F-OTHER
			COMP	GRAB	DATE	TIME		1	2	3	4	5	6	7	8	9	
1.	Frac Tank - 0760450	AQ		X	10-20-25	12:30	7	X	X	X	X	X	X				PID = 0.7
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>1300</u> <u>10-20-2025</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☒ COMPLIANT ☐ NON COMPLIANT COOLER TEMP: <u>3.2</u> °C Comments: <u>*PID Meter Calibrated 10-20-2025 +</u>
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: <u>[Signature]</u>	RECEIVED BY: 2. <u>[Signature]</u>	
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>1754</u> <u>10-20-2025</u>	RECEIVED BY: 3. <u>[Signature]</u>	

Page ____ of CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO



Environmental Laboratory

www.chemtech.net | EMAIL: PM@chemtech.net

Project Name: ICES 02

Chemtech Order ID: _____

Service Order #:

Sampler Name: Advence Catu

Work Order #:

Client Project Coordinator & Phone:

Labor WBS #:

Facility/Site:

Page #: 1 of 1

Site Address: 125 Bloomingdale

Date: 10.20.2025

Ad. Hewittown, N.Y.

Arrive Time: 11:28 am

Depart Time: 1300

Waste Stream (circle one): drum / roll-off

soil pile / in-situ / linear construction / frac-tank

Sample Matrices (circle all that apply): Water / Solid / NAPL / Concrete / Wipe / AQ

Collection Depths:

Temp (range):

°C PID Readings (range):

Dimensions/CY:

PPM

Odor: Y / N Color: Y / N

Sample Description:

Water Soil Soil water Bender, Brown & Q.

Field Observations:

Sampled, RB47191RT, RBR 2520555, Fractank 0760450

Grid / Area Composite Map:

QA Control # A3041134

Fractank X
0760450
PID = 0.7
AQ

RB47191RT
PID = 1.3
CARB-VOC
X X X X X

RBR 2520555
PID = 0.7
X X X X X

Collect & Composite samples

Comp Roll off samples

Sampler Signature:

Client Signature:

[Signature]

10.20.2025

Supervisor Review/Date:

Date/Time Audited:

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

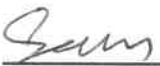
LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3400	ICES02	Order Date : 10/20/2025 1:25:31 PM	Project Mgr :
Client Name : ICE Service Group, Inc.		Project Name : NWIRP Northrup Grumman	Report Type : NYS ASP A
Client Contact : Dennis D. Morgan, II		Receive DateTime : 10/20/2025 12:00:00 AM <i>at 5:54 PM</i>	EDD Type : NYSDEC EDD V-4
Invoice Name : ICE Service Group, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Dennis D. Morgan, II			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3400-01	FRAC-TANK-0760450	Water	10/20/2025	12:30	VOC-TCLVOA-10		8260-Low		3 Bus. Days

Relinquished By : 

Date / Time : 10/21/25 1020

Received By : 

Date / Time : 10/21/25 10:20 Ref # 4

Storage Area : VOA Refridgerator Room