

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102725\
 Data File : BG064596.D
 Acq On : 27 Oct 2025 20:50
 Operator : RC/JU
 Sample : Q3451-01MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-11MSD

Quant Time: Nov 04 01:24:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 03 18:16:26 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 11/05/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.217	152	38814	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	157221	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	122701	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	285704	20.000	ng	0.00
76) Chrysene-d12	21.854	240	301297	20.000	ng	0.00
86) Perylene-d12	25.192	264	325247	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	245210	106.040	ng	0.00
7) Phenol-d6	7.354	99	310818	97.953	ng	0.00
23) Nitrobenzene-d5	9.381	82	184321	70.416	ng	0.00
42) 2,4,6-Tribromophenol	16.320	330	180267	101.791	ng	0.00
45) 2-Fluorobiphenyl	13.470	172	483448	59.721	ng	0.00
79) Terphenyl-d14	20.168	244	963681	60.360	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.582	88	38872	37.969	ng	98
3) Pyridine	3.987	79	107028	34.812	ng	97
4) n-Nitrosodimethylamine	3.899	42	68772	41.713	ng	96
6) Aniline	7.530	93	105768	24.496	ng	98
8) 2-Chlorophenol	7.777	128	129605	53.547	ng	97
9) Benzaldehyde	7.336	77	55736	32.174	ng	96
10) Phenol	7.377	94	177325	50.531	ng	96
11) bis(2-Chloroethyl)ether	7.624	93	114479	44.371	ng	95
12) 1,3-Dichlorobenzene	8.106	146	130238	46.751	ng	98
13) 1,4-Dichlorobenzene	8.253	146	134928	47.634	ng	97
14) 1,2-Dichlorobenzene	8.576	146	128145	46.903	ng	97
15) Benzyl Alcohol	8.446	79	130750	49.969	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.746	45	303091	44.785	ng	98
17) 2-Methylphenol	8.646	107	119211	51.165	ng	99
18) Hexachloroethane	9.322	117	46949	47.231	ng	95
19) n-Nitroso-di-n-propyla...	9.022	70	103048	46.990	ng	99
20) 3+4-Methylphenols	8.975	107	162078	49.465	ng	97
22) Acetophenone	9.040	105	220900	51.398	ng	# 97
24) Nitrobenzene	9.422	77	147716	51.883	ng	99
25) Isophorone	9.951	82	291275	46.373	ng	97
26) 2-Nitrophenol	10.139	139	57649	52.187	ng	94
27) 2,4-Dimethylphenol	10.191	122	134954	57.762	ng	94
28) bis(2-Chloroethoxy)met...	10.432	93	167769	46.912	ng	99
29) 2,4-Dichlorophenol	10.679	162	134968	53.678	ng	96
30) 1,2,4-Trichlorobenzene	10.902	180	142692	49.947	ng	95
31) Naphthalene	11.096	128	401855	46.101	ng	99
32) Benzoic acid	10.332	122	98892	54.383	ng	88
33) 4-Chloroaniline	11.184	127	37250	10.994	ng	98
34) Hexachlorobutadiene	11.384	225	104891	46.947	ng	94
35) Caprolactam	11.948	113	42893m	44.477	ng	
36) 4-Chloro-3-methylphenol	12.295	107	155480	51.443	ng	98
37) 2-Methylnaphthalene	12.689	142	275987	43.124	ng	99
38) 1-Methylnaphthalene	12.906	142	292659	46.193	ng	95
40) 1,2,4,5-Tetrachloroben...	13.047	216	216909	52.674	ng	98
41) Hexachlorocyclopentadiene	13.035	237	242282	130.715	ng	99
43) 2,4,6-Trichlorophenol	13.276	196	127975	54.330	ng	97

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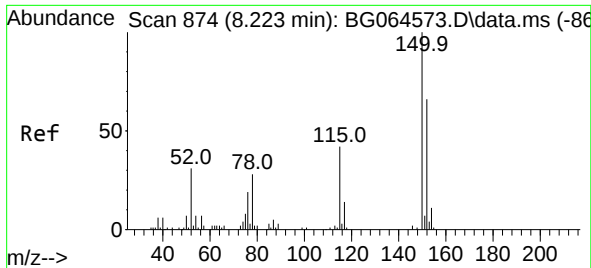
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.347	196	146053	53.731	ng	96
46) 1,1'-Biphenyl	13.681	154	465315	53.342	ng	98
47) 2-Chloronaphthalene	13.723	162	313227	47.570	ng	100
48) 2-Nitroaniline	13.911	65	112461	50.683	ng	93
49) Acenaphthylene	14.569	152	566623	54.557	ng	99
50) Dimethylphthalate	14.287	163	441705	47.045	ng	99
51) 2,6-Dinitrotoluene	14.398	165	85821	54.905	ng	97
52) Acenaphthene	14.904	154	363819	51.272	ng	97
53) 3-Nitroaniline	14.721	138	41760	25.881	ng	94
54) 2,4-Dinitrophenol	14.927	184	96842	100.347	ng	# 45
55) Dibenzofuran	15.238	168	539697	47.045	ng	98
56) 4-Nitrophenol	15.015	139	155082	103.665	ng	94
57) 2,4-Dinitrotoluene	15.180	165	123905	51.491	ng	# 97
58) Fluorene	15.885	166	423526	47.273	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.450	232	147361	56.693	ng	98
60) Diethylphthalate	15.644	149	442062	46.112	ng	99
61) 4-Chlorophenyl-phenylether	15.873	204	236769	47.092	ng	99
62) 4-Nitroaniline	15.885	138	88632	49.374	ng	98
63) Azobenzene	16.161	77	453434	51.549	ng	99
65) 4,6-Dinitro-2-methylphthalate	15.944	198	68358	53.653	ng	96
66) n-Nitrosodiphenylamine	16.079	169	390340	50.578	ng	100
67) 4-Bromophenyl-phenylether	16.766	248	171191	50.563	ng	99
68) Hexachlorobenzene	16.889	284	194855	50.448	ng	97
69) Atrazine	17.019	200	165700	49.892	ng	98
70) Pentachlorophenol	17.218	266	256998	106.700	ng	88
71) Phenanthrene	17.618	178	754389	48.284	ng	99
72) Anthracene	17.712	178	771687	48.554	ng	99
73) Carbazole	17.971	167	667168	47.604	ng	100
74) Di-n-butylphthalate	18.529	149	748759	46.201	ng	99
75) Fluoranthene	19.616	202	902807	46.125	ng	99
77) Benzidine	19.780	184	238770	35.372	ng	100
78) Pyrene	19.974	202	927698	47.127	ng	99
80) Butylbenzylphthalate	20.850	149	318928	53.605	ng	99
81) Benzo(a)anthracene	21.831	228	954192	47.763	ng	99
82) 3,3'-Dichlorobenzidine	21.737	252	129807	19.458	ng	98
83) Chrysene	21.901	228	904947	47.606	ng	99
84) Bis(2-ethylhexyl)phthalate	21.743	149	466072	52.426	ng	100
85) Di-n-octyl phthalate	23.006	149	781109	52.114	ng	99
87) Indeno(1,2,3-cd)pyrene	29.028	276	1149794	48.056	ng	97
88) Benzo(b)fluoranthene	24.134	252	960420	48.156	ng	98
89) Benzo(k)fluoranthene	24.204	252	969589	48.582	ng	98
90) Benzo(a)pyrene	25.039	252	914367	49.876	ng	98
91) Dibenzo(a,h)anthracene	29.105	278	937985	48.254	ng	98
92) Benzo(g,h,i)perylene	30.221	276	913782	49.210	ng	99

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



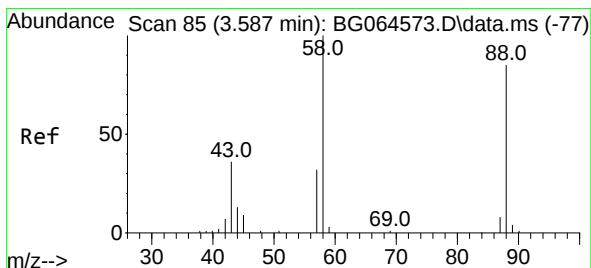
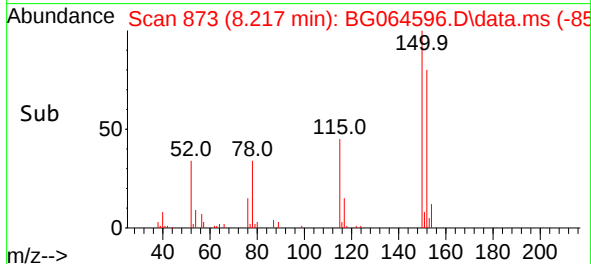
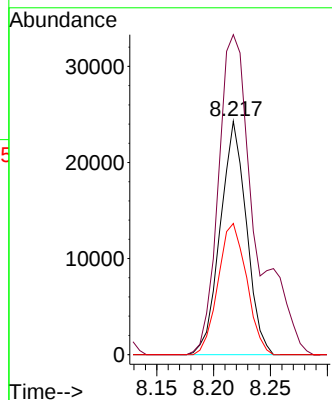
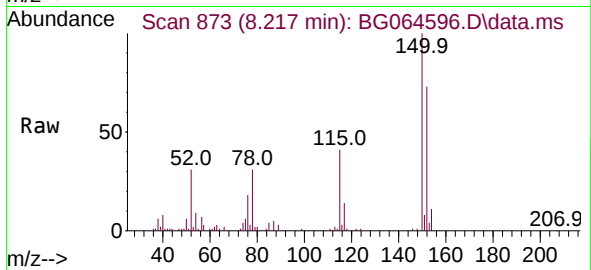
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 81
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

Instrument :
BNA_G
ClientSampleId :
TP-11MSD

Tgt Ion:152 Resp: 38814
Ion Ratio Lower Upper
152 100
150 137.2 122.2 183.4
115 56.2 50.8 76.2

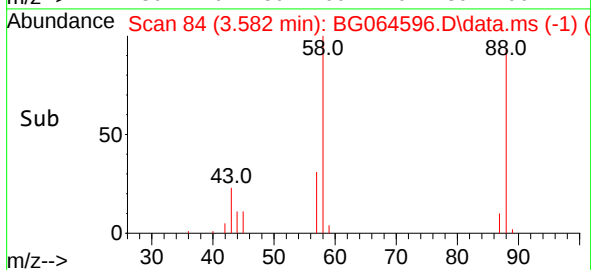
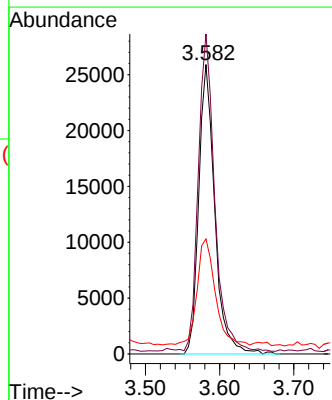
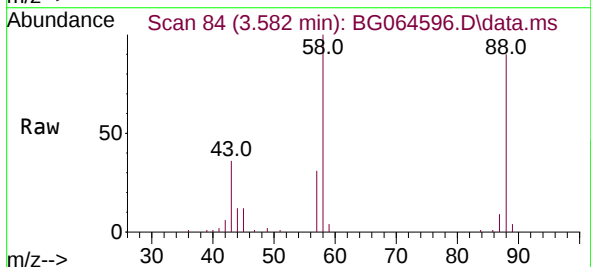
Manual Integrations
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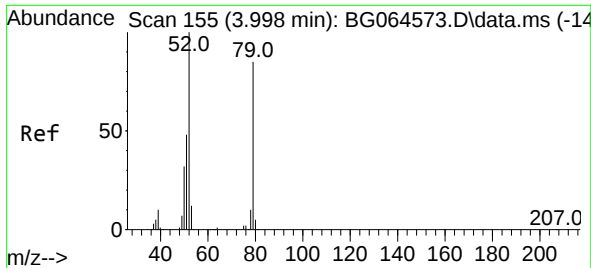
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#2
1,4-Dioxane
Concen: 37.969 ng
RT: 3.582 min Scan# 84
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

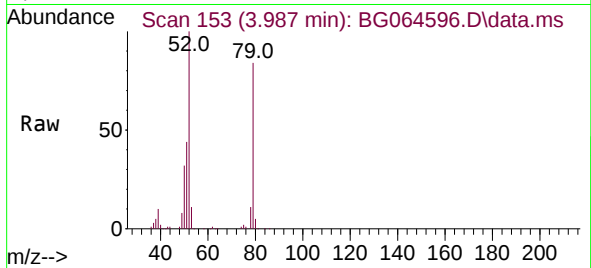
Tgt Ion: 88 Resp: 38872
Ion Ratio Lower Upper
88 100
58 112.6 92.4 138.6
43 41.6 33.0 49.6





#3
Pyridine
Concen: 34.812 ng
RT: 3.987 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

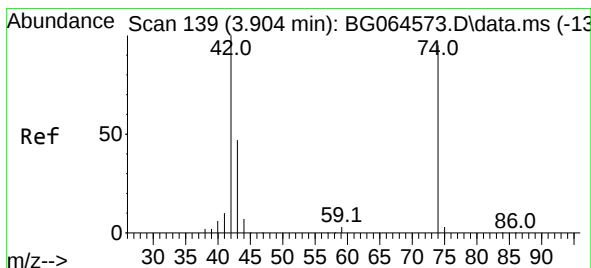
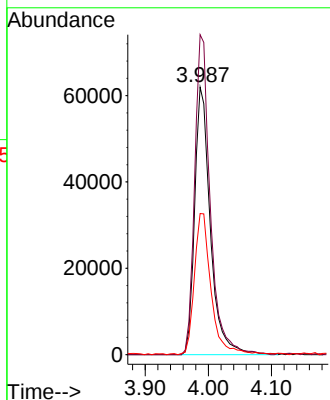
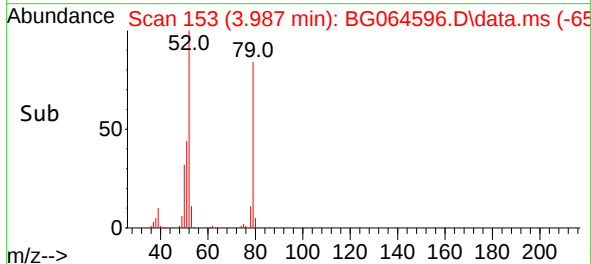
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



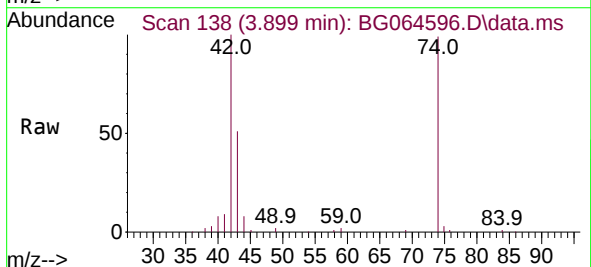
Tgt Ion: 79 Resp: 107028
Ion Ratio Lower Upper
79 100
52 119.7 94.2 141.2
51 52.7 46.1 69.1

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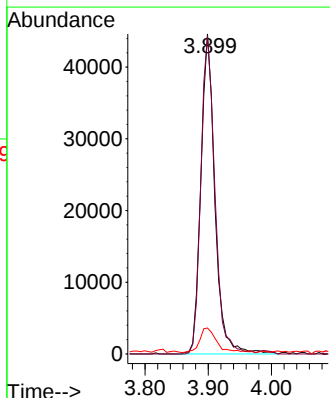
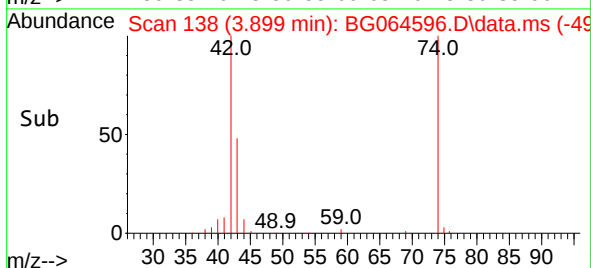
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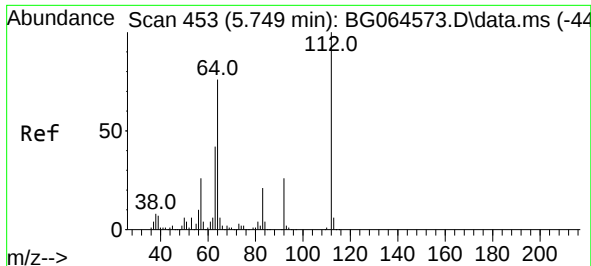


#4
n-Nitrosodimethylamine
Concen: 41.713 ng
RT: 3.899 min Scan# 138
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50



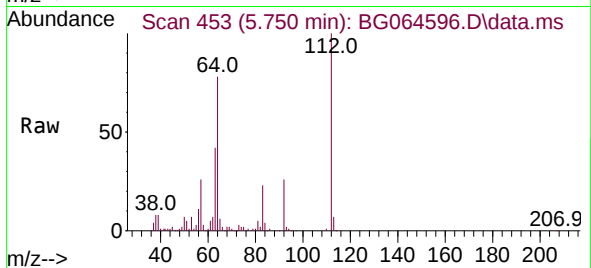
Tgt Ion: 42 Resp: 68772
Ion Ratio Lower Upper
42 100
74 99.4 76.1 114.1
44 8.1 6.3 9.5





#5
2-Fluorophenol
Concen: 106.040 ng
RT: 5.750 min Scan# 453
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

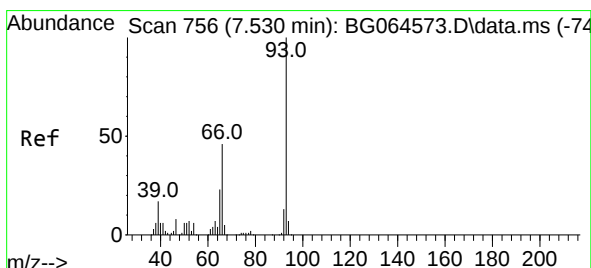
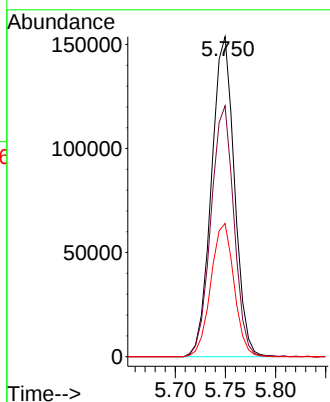
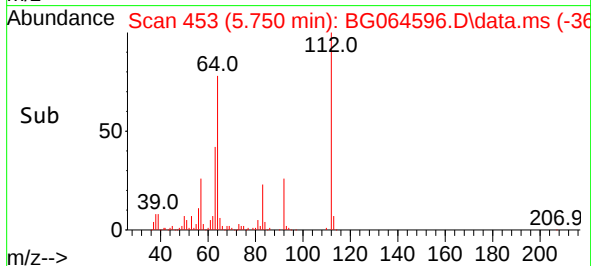
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



Tgt Ion:112 Resp: 245210
Ion Ratio Lower Upper
112 100
64 78.4 60.7 91.1
63 41.7 33.4 50.0

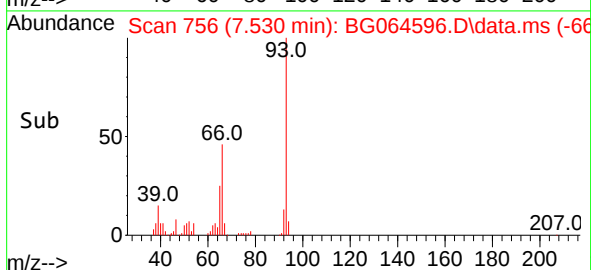
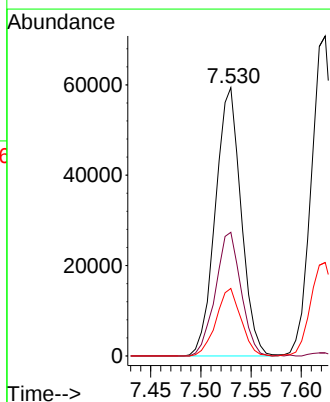
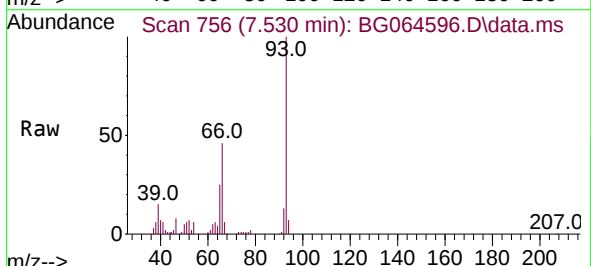
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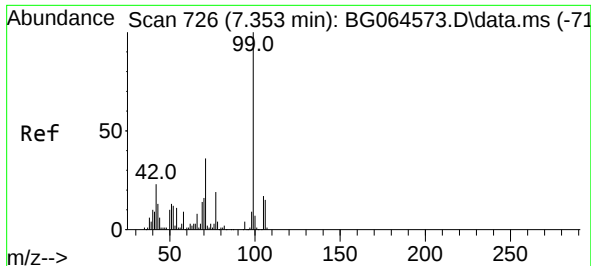
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#6
Aniline
Concen: 24.496 ng
RT: 7.530 min Scan# 756
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

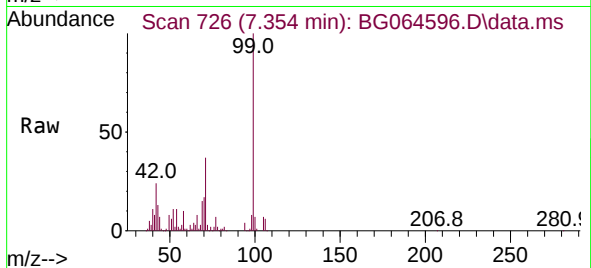
Tgt Ion: 93 Resp: 105768
Ion Ratio Lower Upper
93 100
66 46.1 37.0 55.6
65 25.1 18.3 27.5





#7
Phenol-d6
Concen: 97.953 ng
RT: 7.354 min Scan# 726
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

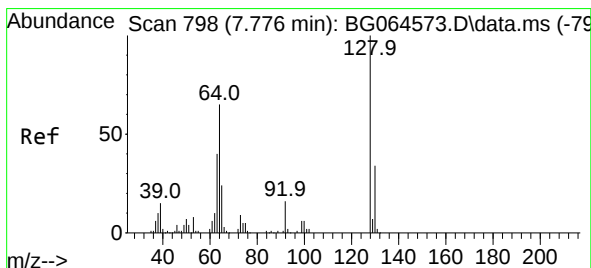
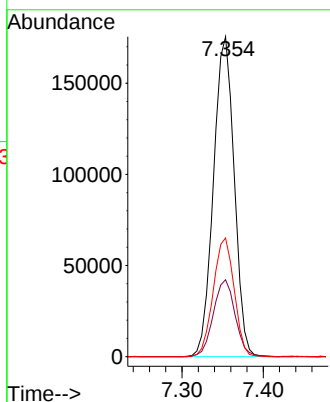
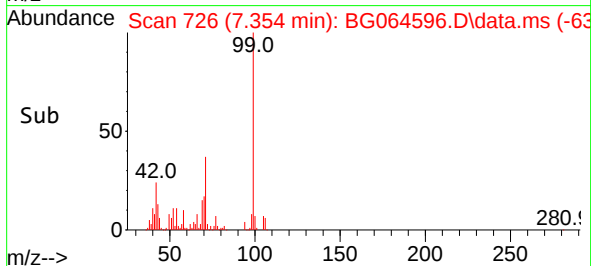
Instrument :
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Tgt Ion: 99 Resp: 310818
Ion Ratio Lower Upper
99 100
42 24.0 18.3 27.5
71 37.1 28.6 43.0

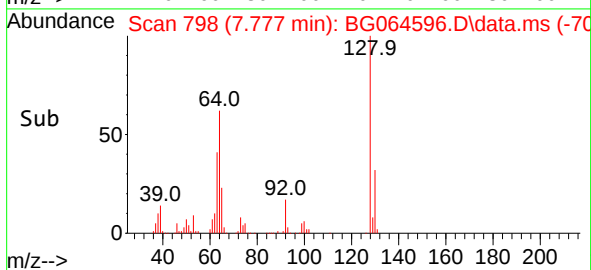
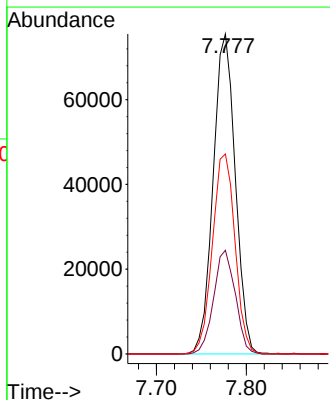
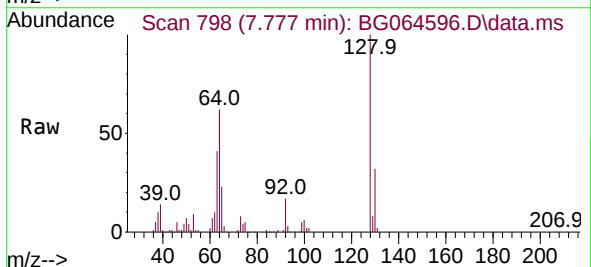
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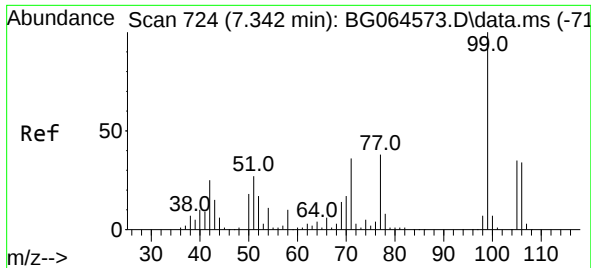
Reviewed By :Rahul Chavli 10/28/2025
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#8
2-Chlorophenol
Concen: 53.547 ng
RT: 7.777 min Scan# 798
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

Tgt Ion:128 Resp: 129605
Ion Ratio Lower Upper
128 100
130 32.4 13.5 53.5
64 62.5 45.2 85.2





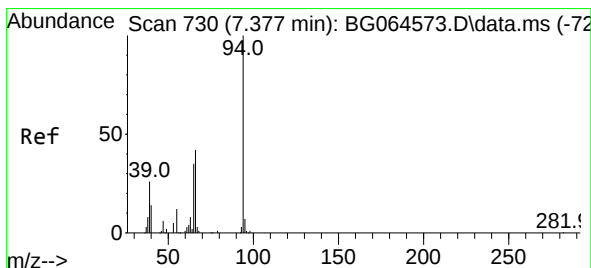
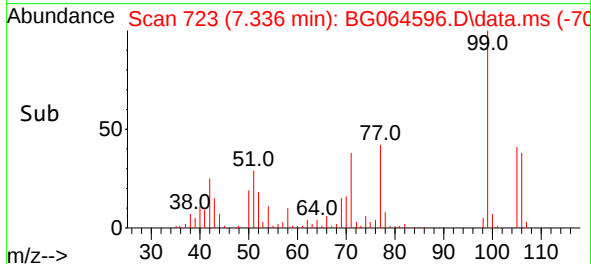
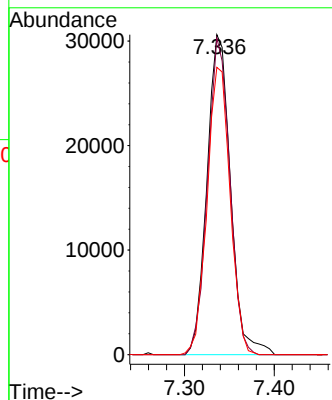
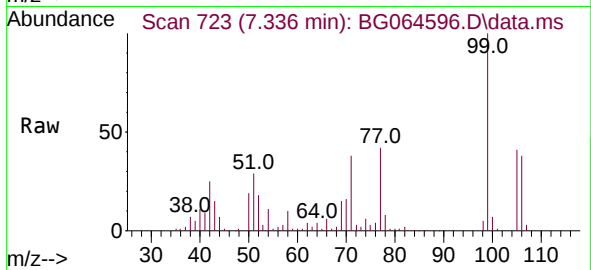
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Benzaldehyde
Concen: 32.174 ng
RT: 7.336 min Scan# 71
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

Instrument :
BNA_G
ClientSampleId :
TP-11MSD

Tgt Ion: 77 Resp: 55736
Ion Ratio Lower Upper
77 100
105 98.9 72.9 112.9
106 89.8 70.8 110.8

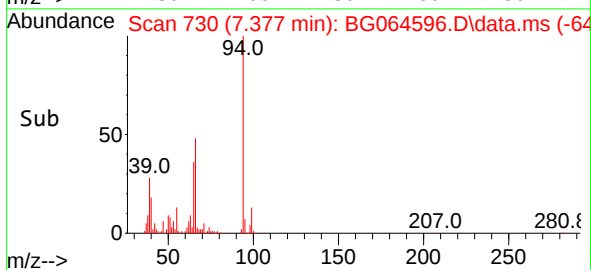
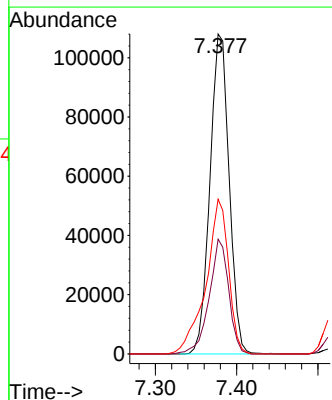
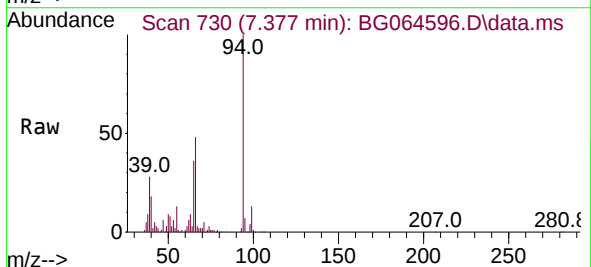
Manual Integrations
APPROVED

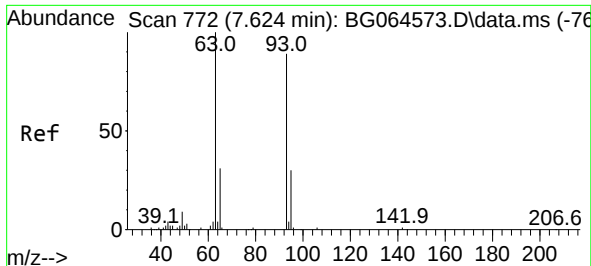
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#10
Phenol
Concen: 50.531 ng
RT: 7.377 min Scan# 730
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

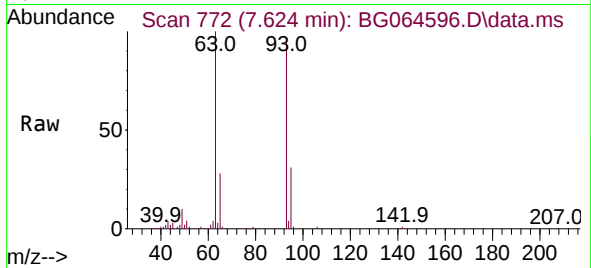
Tgt Ion: 94 Resp: 177325
Ion Ratio Lower Upper
94 100
65 35.8 15.8 55.8
66 48.3 24.0 64.0





#11
bis(2-Chloroethyl)ether
Concen: 44.371 ng
RT: 7.624 min Scan# 71
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

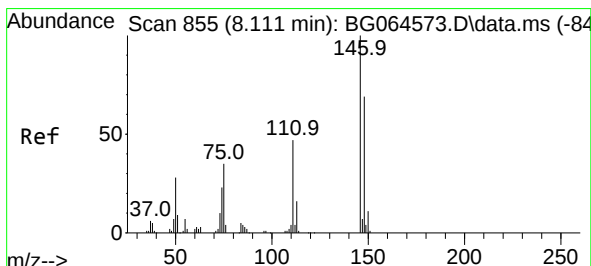
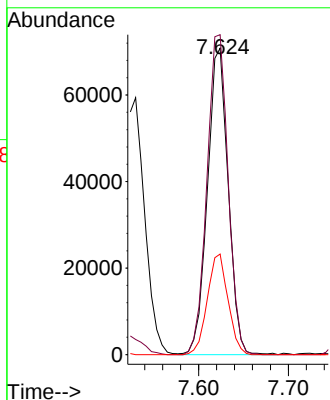
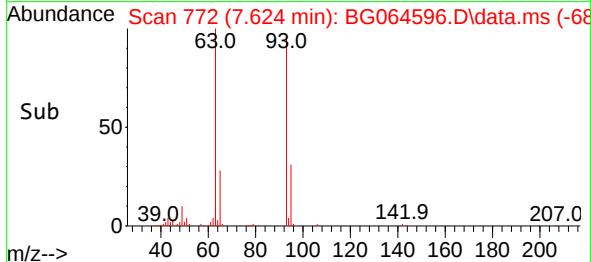
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



Tgt Ion: 93 Resp: 114479
Ion Ratio Lower Upper
93 100
63 104.4 91.3 131.3
95 32.8 13.3 53.3

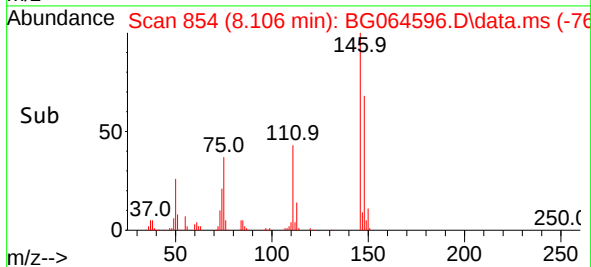
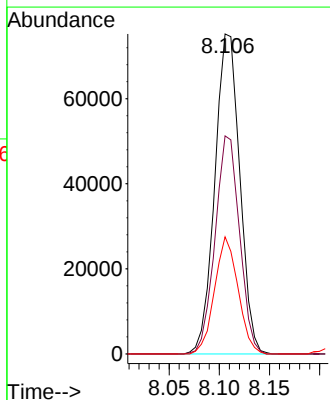
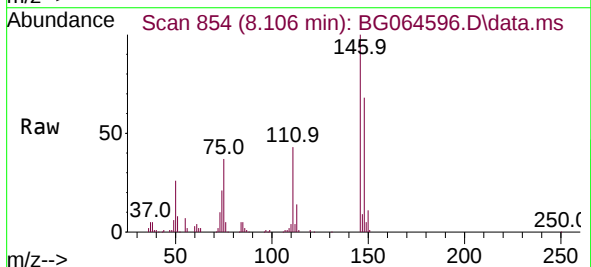
Manual Integrations
APPROVED

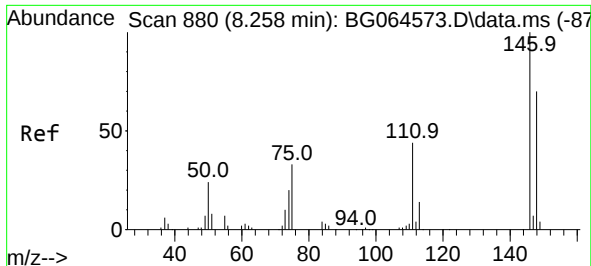
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#12
1,3-Dichlorobenzene
Concen: 46.751 ng
RT: 8.106 min Scan# 854
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

Tgt Ion:146 Resp: 130238
Ion Ratio Lower Upper
146 100
148 68.1 55.3 82.9
75 36.6 28.2 42.2





#13

1,4-Dichlorobenzene

Concen: 47.634 ng

RT: 8.253 min Scan# 81

Delta R.T. -0.006 min

Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

Instrument :

BNA_G

ClientSampleId :

TP-11MSD

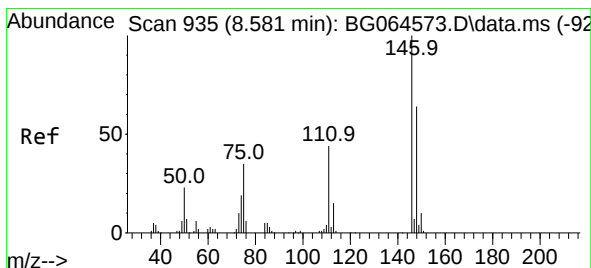
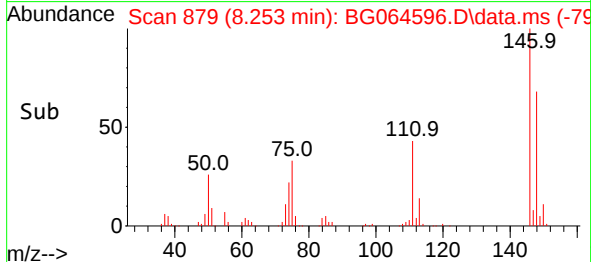
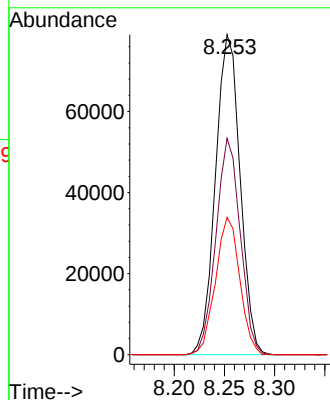
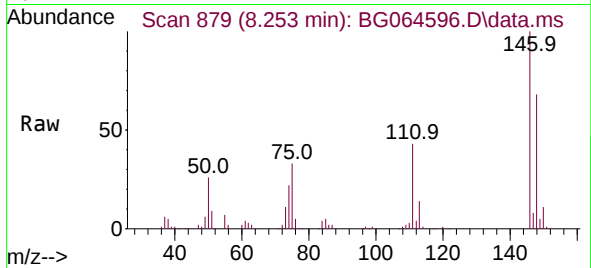
Tgt Ion:146 Resp: 134928
 Ion Ratio Lower Upper
 146 100
 148 67.6 56.2 84.4
 111 42.9 35.4 53.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/28/2025

Supervised By :mohammad ahmed 11/05/2025



#14

1,2-Dichlorobenzene

Concen: 46.903 ng

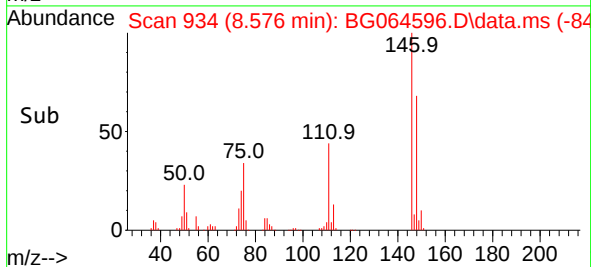
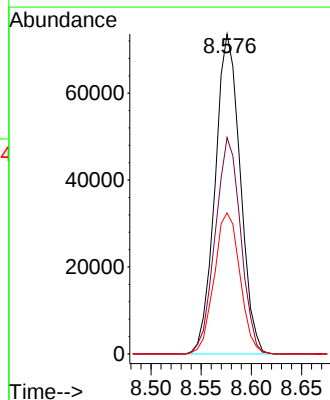
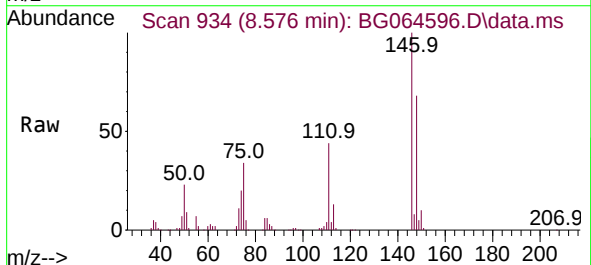
RT: 8.576 min Scan# 934

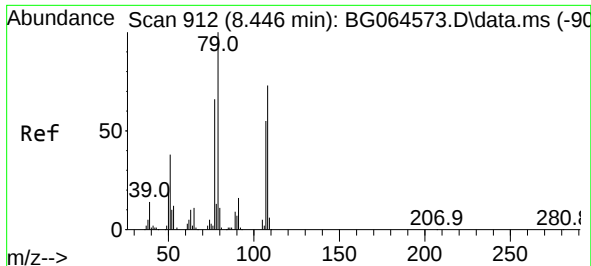
Delta R.T. -0.006 min

Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

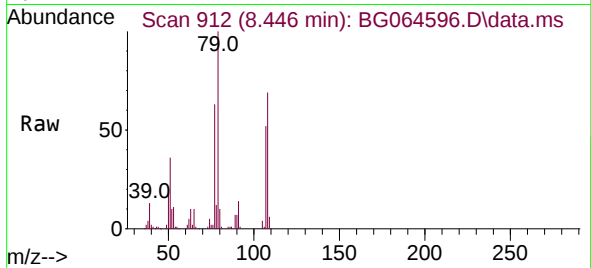
Tgt Ion:146 Resp: 128145
 Ion Ratio Lower Upper
 146 100
 148 67.6 51.5 77.3
 111 44.0 35.0 52.6





#15
Benzyl Alcohol
Concen: 49.969 ng
RT: 8.446 min Scan# 912
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

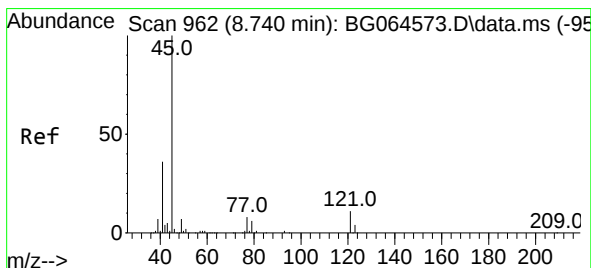
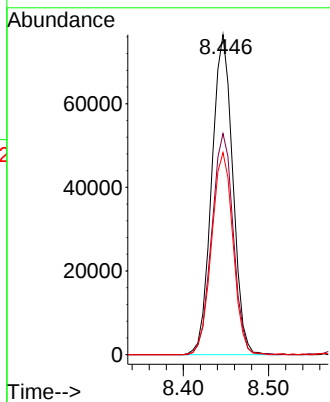
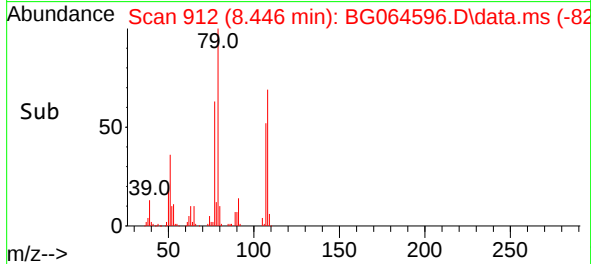
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



Tgt Ion: 79 Resp: 130750
Ion Ratio Lower Upper
79 100
108 69.1 58.1 87.1
77 63.1 52.8 79.2

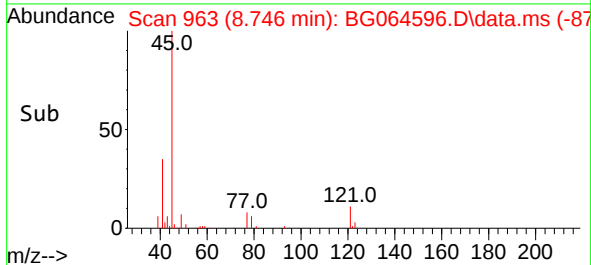
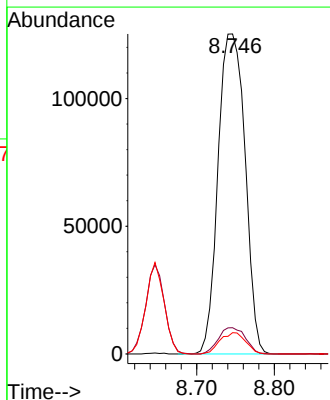
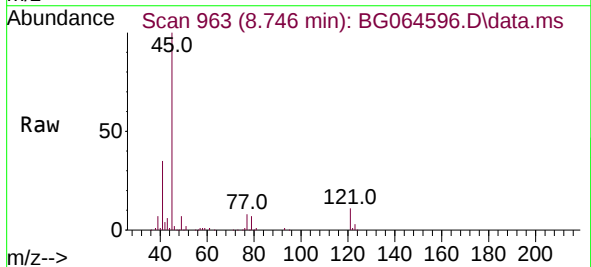
Manual Integrations
APPROVED

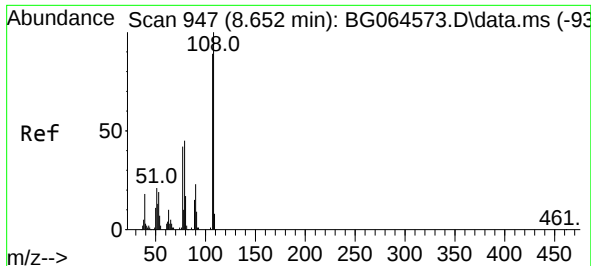
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.785 ng
RT: 8.746 min Scan# 963
Delta R.T. 0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

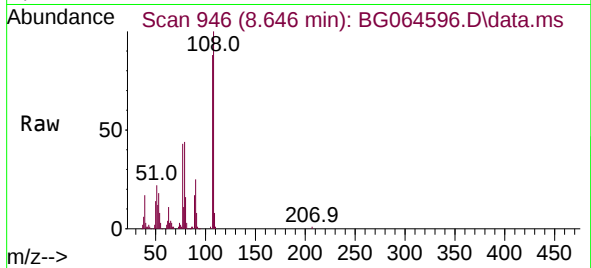
Tgt Ion: 45 Resp: 303091
Ion Ratio Lower Upper
45 100
77 8.2 0.0 28.5
79 6.6 0.0 25.6





#17
2-Methylphenol
Concen: 51.165 ng
RT: 8.646 min Scan# 947
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

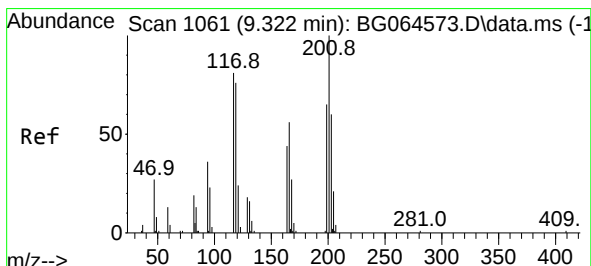
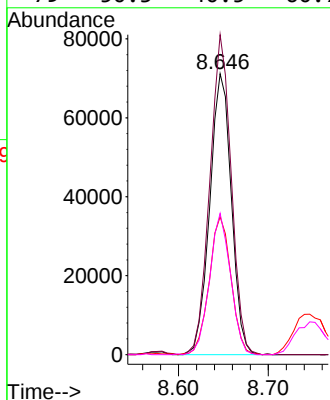
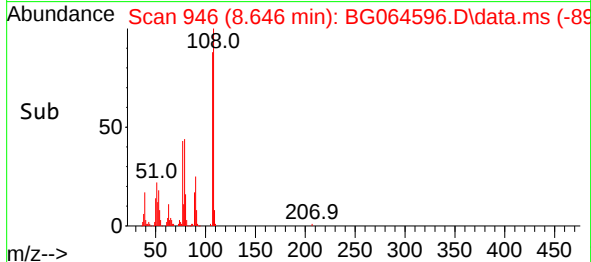
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



Tgt Ion:107 Resp: 11921
Ion Ratio Lower Upper
107 100
108 114.0 90.0 135.0
77 49.1 37.8 56.8
79 50.3 40.5 60.7

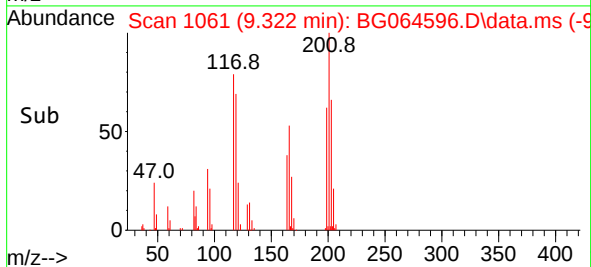
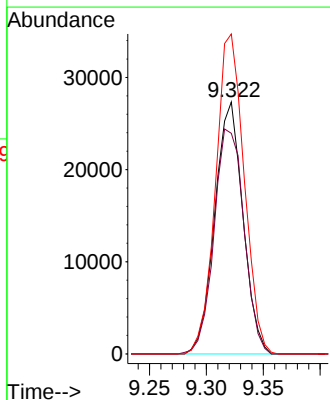
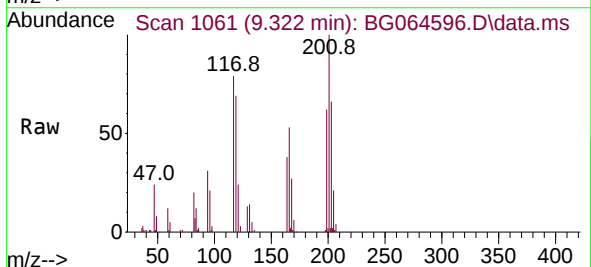
Manual Integrations
APPROVED

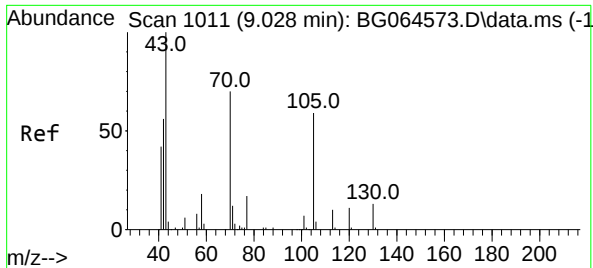
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#18
Hexachloroethane
Concen: 47.231 ng
RT: 9.322 min Scan# 1061
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

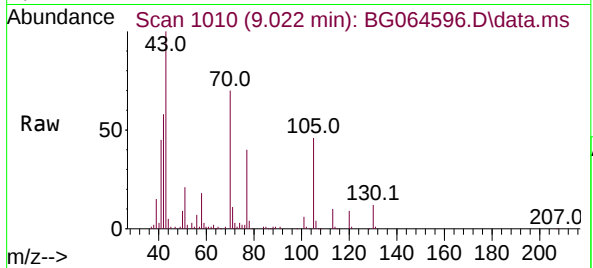
Tgt Ion:117 Resp: 46949
Ion Ratio Lower Upper
117 100
119 87.5 75.4 113.2
201 127.0 99.2 148.8





#19
n-Nitroso-di-n-propylamine
Concen: 46.990 ng
RT: 9.022 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

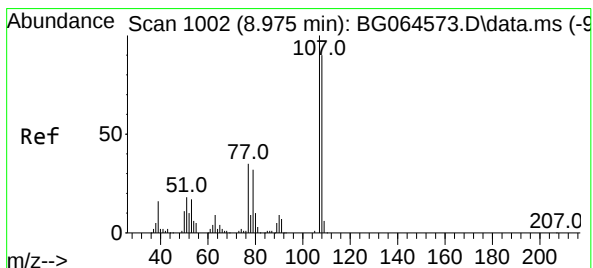
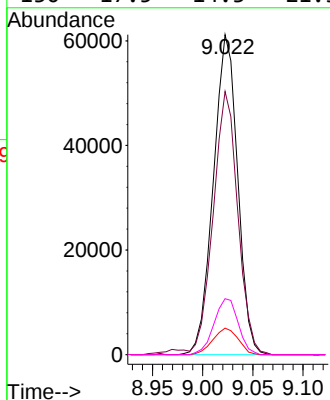
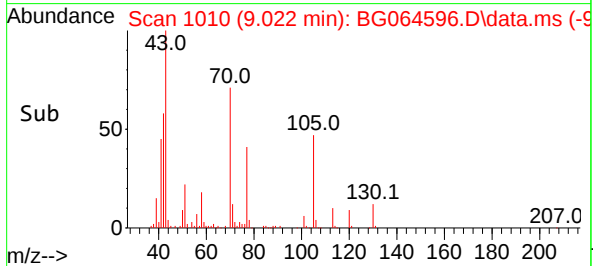
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



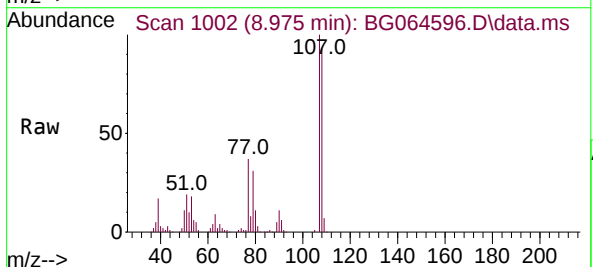
Tgt Ion: 70 Resp: 103048
Ion Ratio Lower Upper
70 100
42 82.2 65.2 97.8
101 8.3 7.9 11.9
130 17.5 14.3 21.5

Manual Integrations
APPROVED

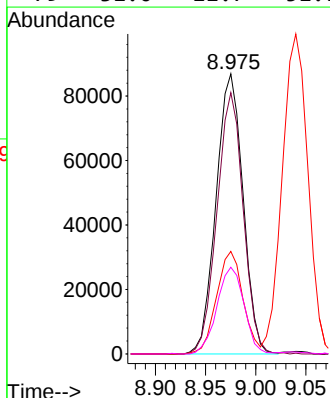
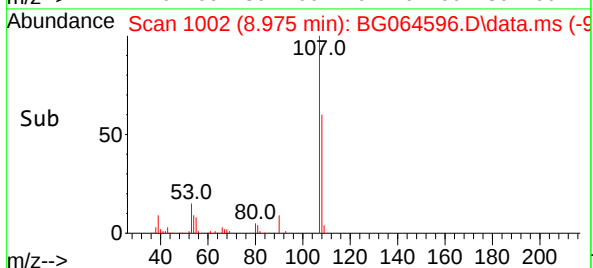
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

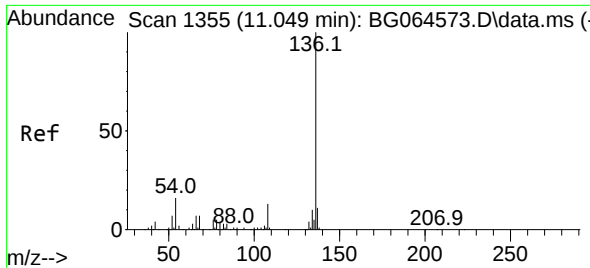


#20
3+4-Methylphenols
Concen: 49.465 ng
RT: 8.975 min Scan# 1002
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50



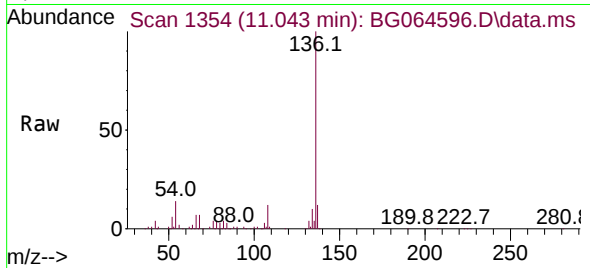
Tgt Ion:107 Resp: 162078
Ion Ratio Lower Upper
107 100
108 93.3 70.3 110.3
77 36.6 14.6 54.6
79 31.0 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1354
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

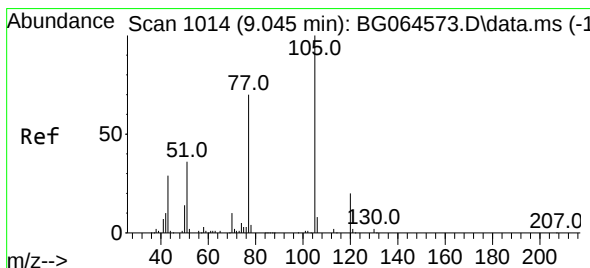
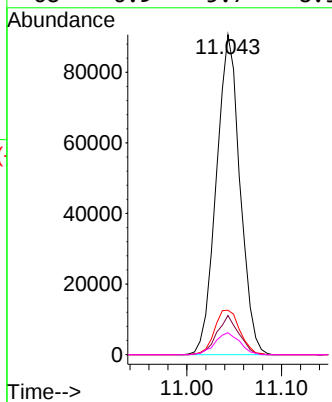
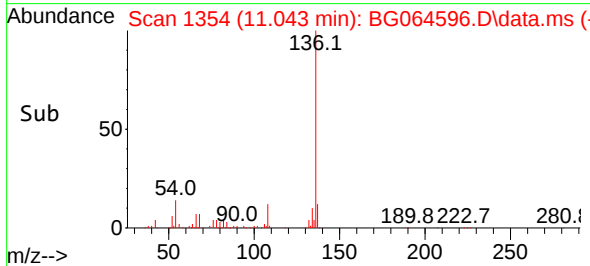
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



Tgt Ion:136 Resp: 157221
Ion Ratio Lower Upper
136 100
137 12.2 9.2 13.8
54 13.9 12.6 19.0
68 6.9 5.7 8.5

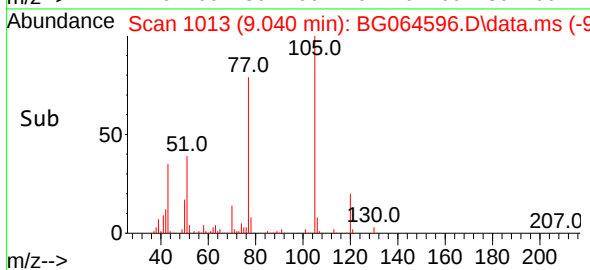
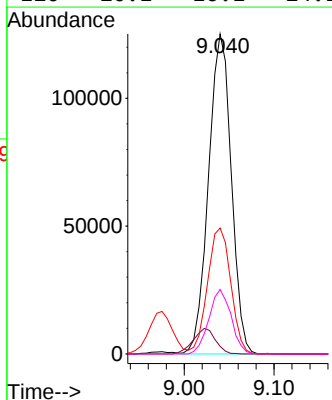
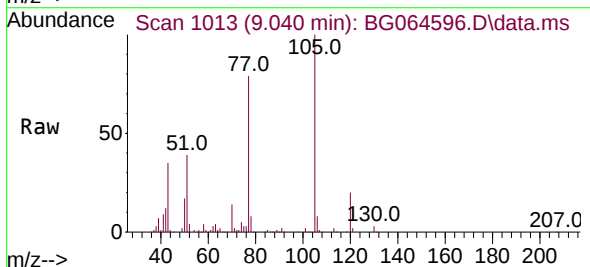
Manual Integrations
APPROVED

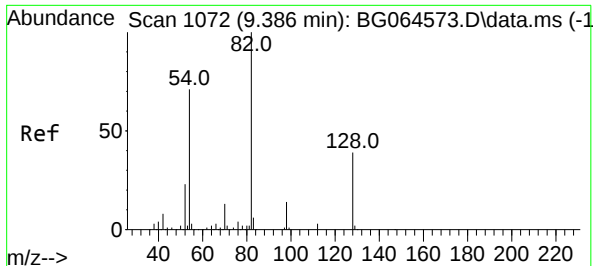
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#22
Acetophenone
Concen: 51.398 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

Tgt Ion:105 Resp: 220900
Ion Ratio Lower Upper
105 100
71 2.4 1.5 2.3#
51 39.3 33.7 50.5
120 20.1 16.1 24.1





#23

Nitrobenzene-d5

Concen: 70.416 ng

RT: 9.381 min Scan# 1072

Delta R.T. -0.006 min

Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

Instrument :

BNA_G

ClientSampleId :

TP-11MSD

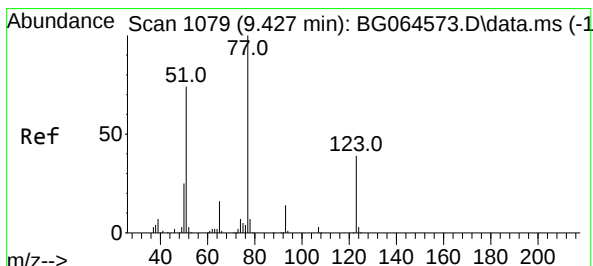
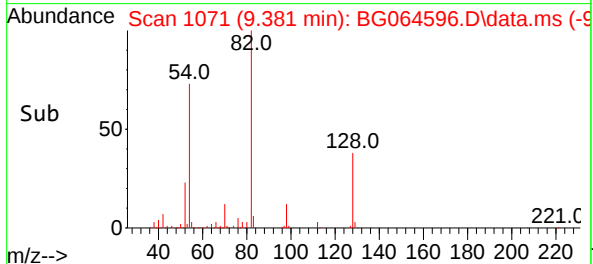
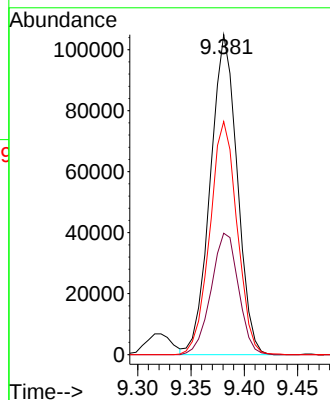
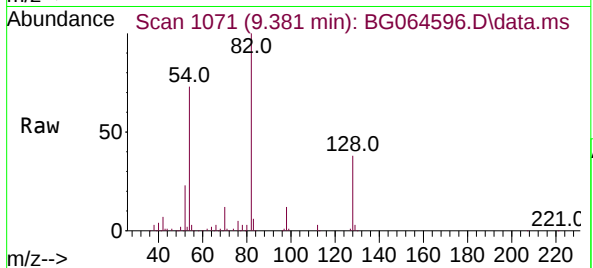
Tgt Ion: 82 Resp: 184321
 Ion Ratio Lower Upper
 82 100
 128 37.9 31.3 46.9
 54 72.8 56.6 84.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :mohammad ahmed 11/05/2025



#24

Nitrobenzene

Concen: 51.883 ng

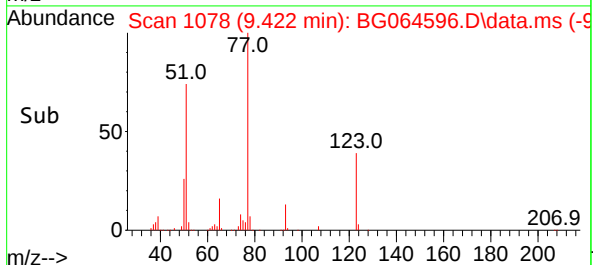
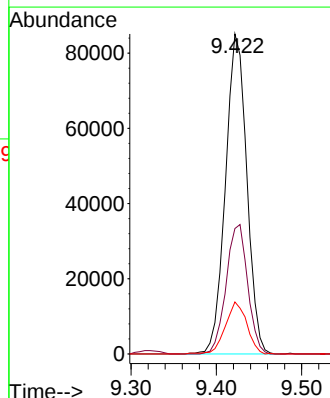
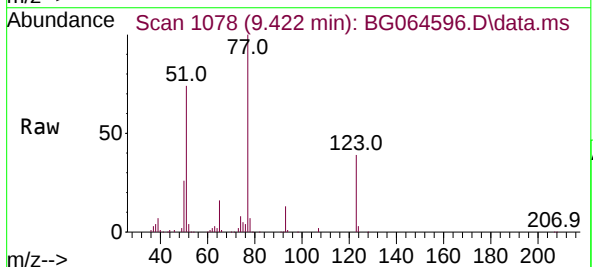
RT: 9.422 min Scan# 1078

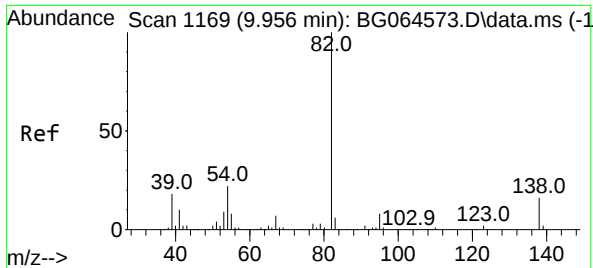
Delta R.T. -0.006 min

Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

Tgt Ion: 77 Resp: 147716
 Ion Ratio Lower Upper
 77 100
 123 39.2 31.0 46.6
 65 16.2 12.7 19.1





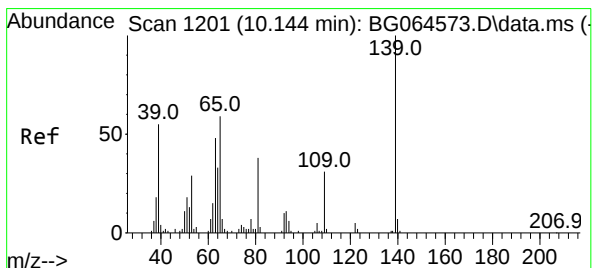
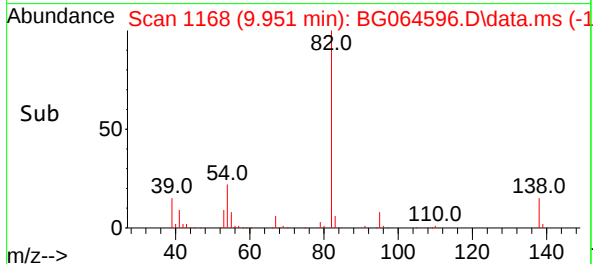
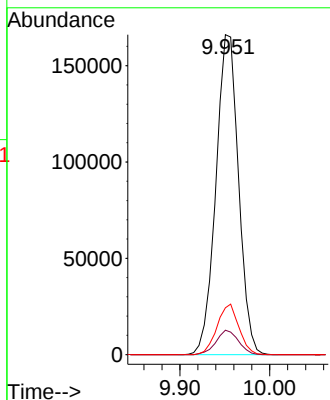
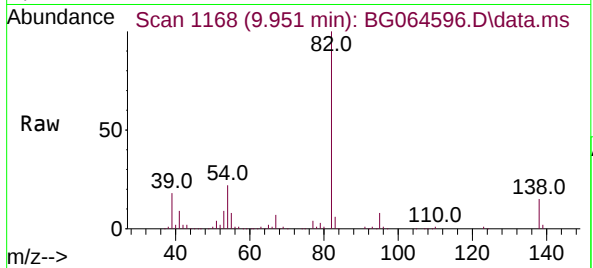
#25
Isophorone
Concen: 46.373 ng
RT: 9.951 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

Instrument :
BNA_G
ClientSampleId :
TP-11MSD

Tgt Ion: 82 Resp: 291275
Ion Ratio Lower Upper
82 100
95 7.6 6.1 9.1
138 14.6 13.0 19.4

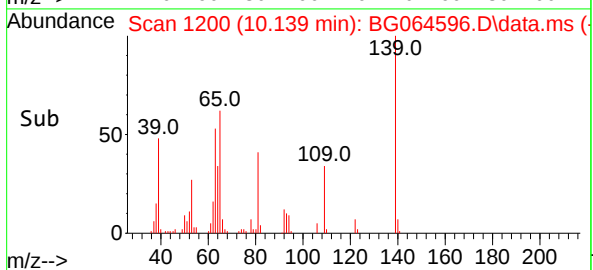
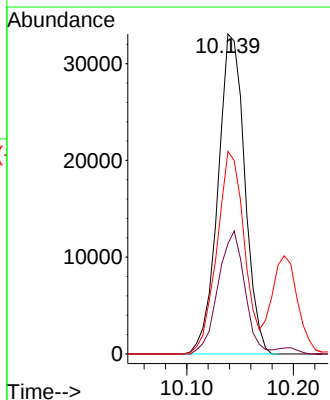
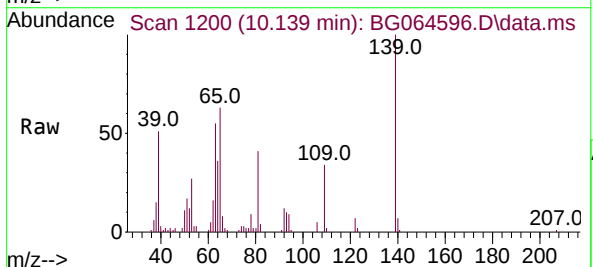
Manual Integrations
APPROVED

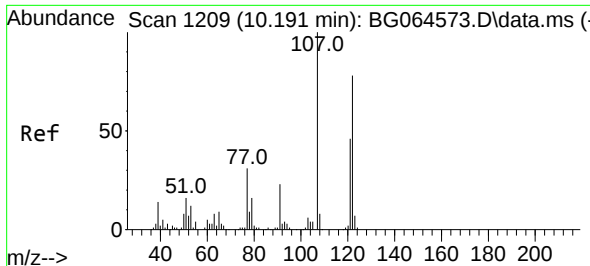
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#26
2-Nitrophenol
Concen: 52.187 ng
RT: 10.139 min Scan# 1200
Delta R.T. -0.005 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

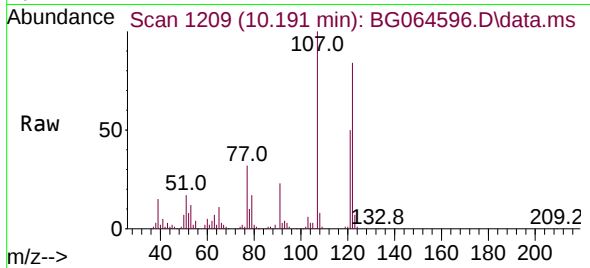
Tgt Ion:139 Resp: 57649
Ion Ratio Lower Upper
139 100
109 34.5 24.6 37.0
65 63.3 47.5 71.3





#27
2,4-Dimethylphenol
Concen: 57.762 ng
RT: 10.191 min Scan# 1209
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

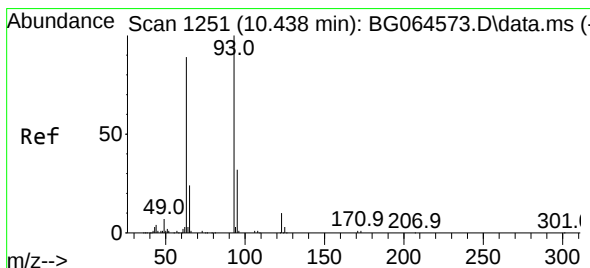
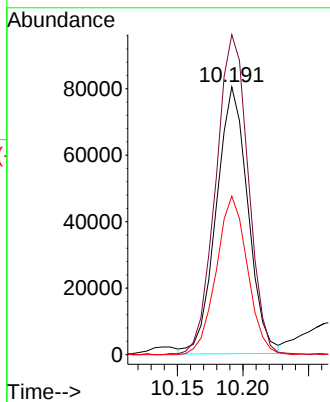
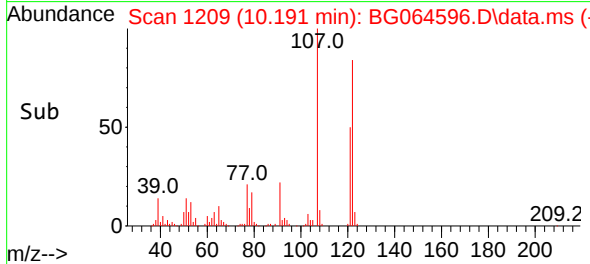
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



Tgt Ion:122 Resp: 134954
Ion Ratio Lower Upper
122 100
107 119.5 103.0 154.4
121 59.2 47.8 71.8

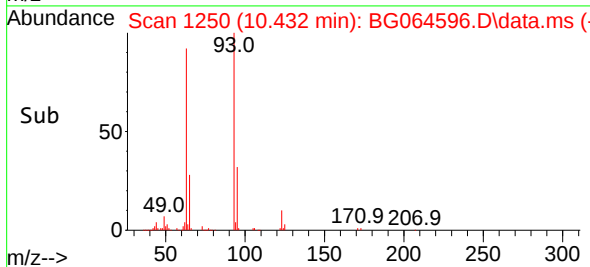
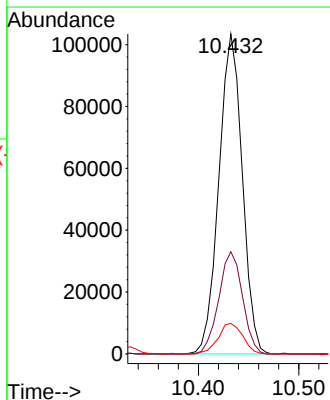
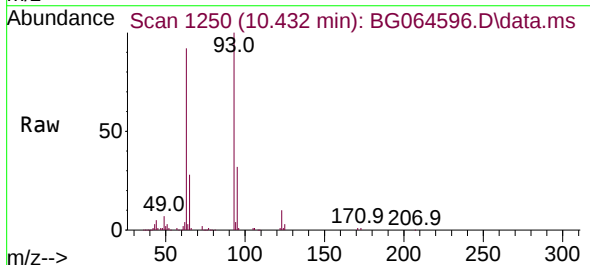
Manual Integrations
APPROVED

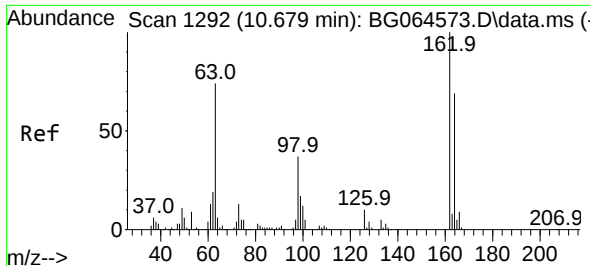
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#28
bis(2-Chloroethoxy)methane
Concen: 46.912 ng
RT: 10.432 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

Tgt Ion: 93 Resp: 167769
Ion Ratio Lower Upper
93 100
95 31.9 25.4 38.2
123 9.5 8.4 12.6





#29

2,4-Dichlorophenol

Concen: 53.678 ng

RT: 10.679 min Scan# 1292

Delta R.T. 0.000 min

Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

Instrument :

BNA_G

ClientSampleId :

TP-11MSD

Tgt Ion:162 Resp: 134968

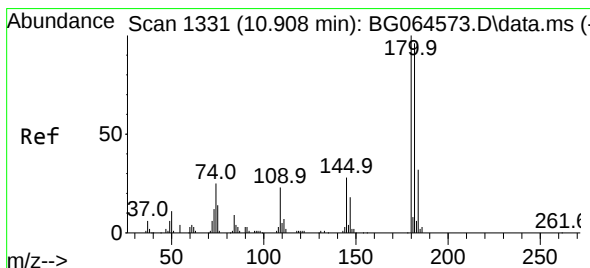
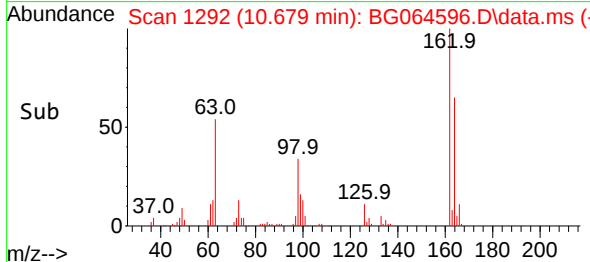
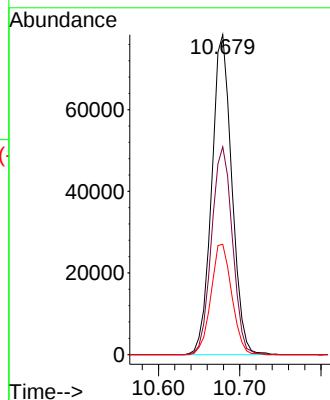
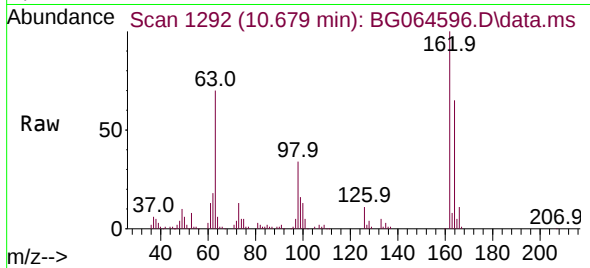
Ion	Ratio	Lower	Upper
162	100		
164	64.9	48.7	88.7
98	34.5	16.9	56.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :mohammad ahmed 11/05/2025



#30

1,2,4-Trichlorobenzene

Concen: 49.947 ng

RT: 10.902 min Scan# 1330

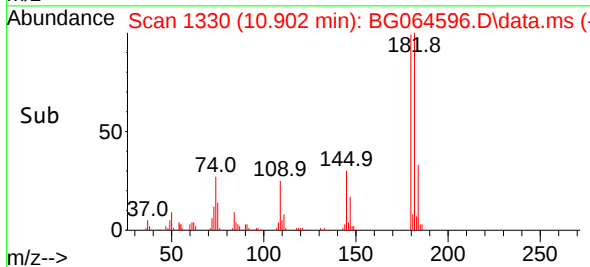
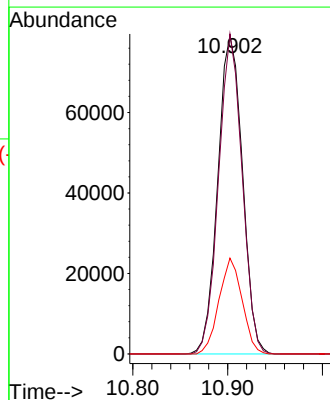
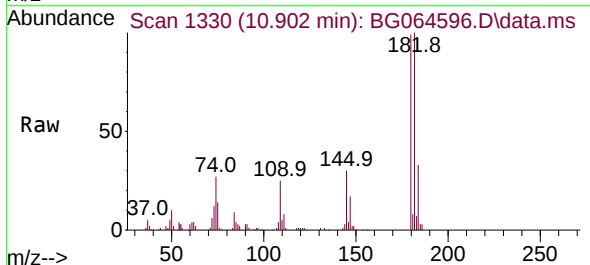
Delta R.T. -0.006 min

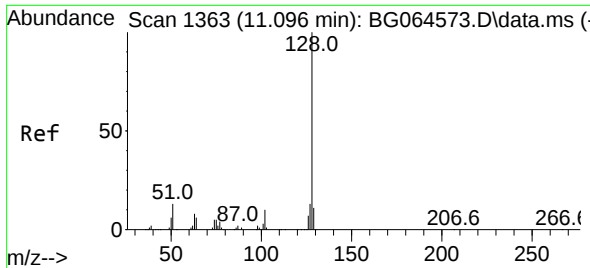
Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

Tgt Ion:180 Resp: 142692

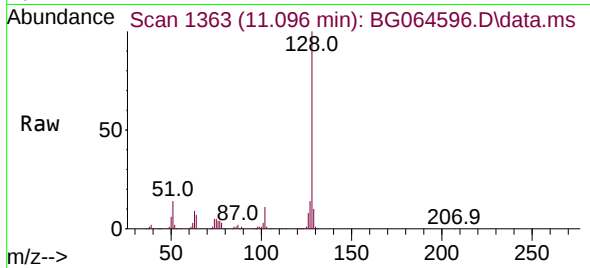
Ion	Ratio	Lower	Upper
180	100		
182	100.5	76.9	115.3
145	30.1	22.1	33.1





#31
Naphthalene
Concen: 46.101 ng
RT: 11.096 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

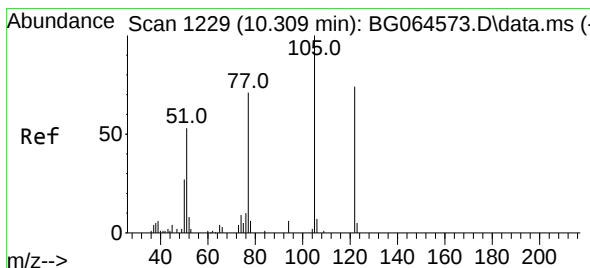
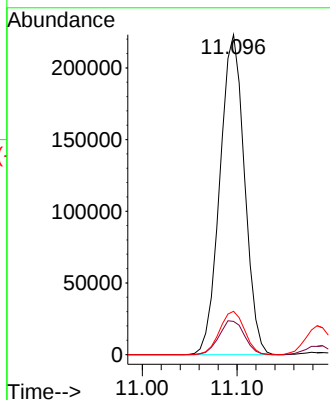
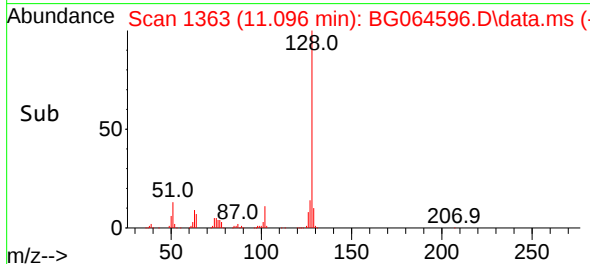
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



Tgt Ion:128 Resp: 401855
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 13.5 10.6 15.8

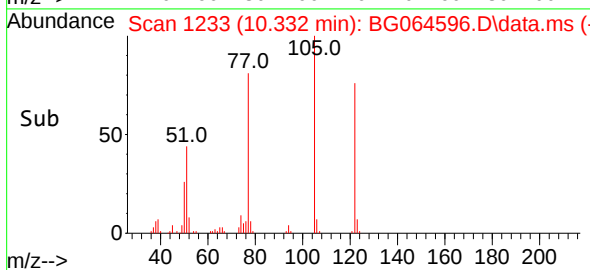
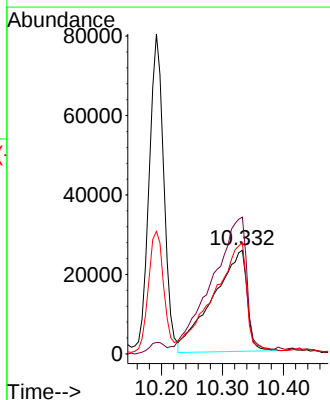
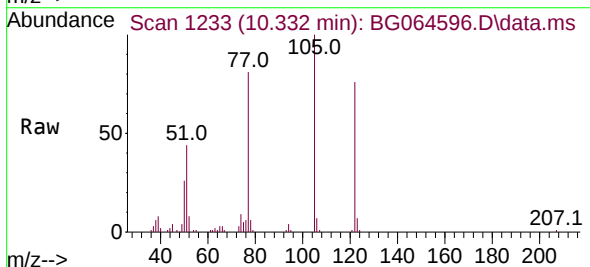
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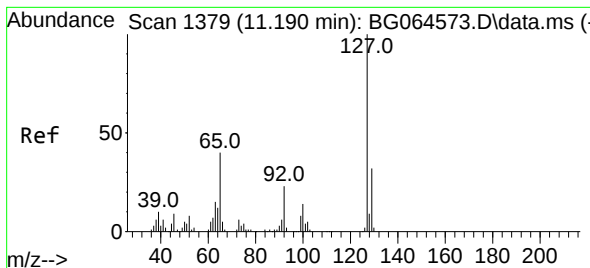
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#32
Benzoic acid
Concen: 54.383 ng
RT: 10.332 min Scan# 1233
Delta R.T. 0.023 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

Tgt Ion:122 Resp: 98892
Ion Ratio Lower Upper
122 100
105 132.1 104.2 144.2
77 107.5 70.2 110.2





#33

4-Chloroaniline

Concen: 10.994 ng

RT: 11.184 min Scan# 1379

Delta R.T. -0.006 min

Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

Instrument :

BNA_G

ClientSampleId :

TP-11MSD

Tgt Ion:127 Resp: 37250

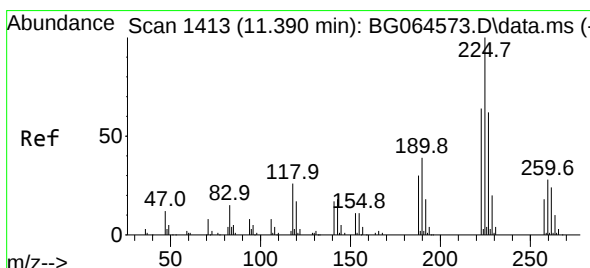
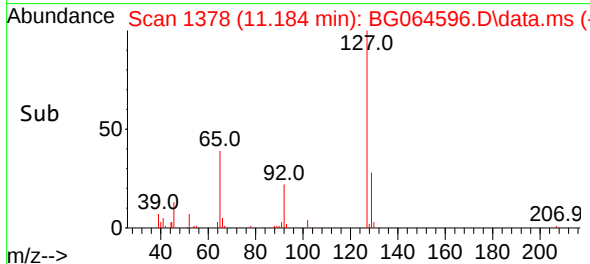
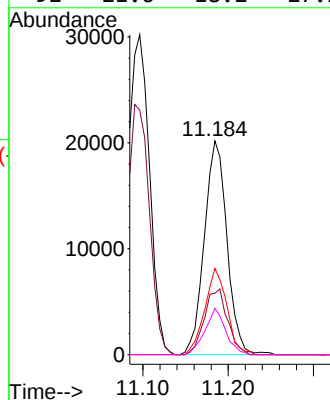
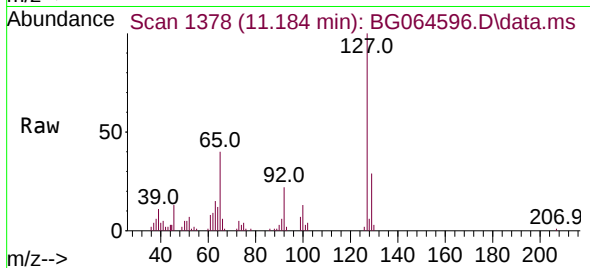
Ion	Ratio	Lower	Upper
127	100		
129	28.7	25.5	38.3
65	40.3	32.2	48.4
92	21.6	18.2	27.2

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Reviewed By :Rahul Chavli 10/28/2025

Supervised By :mohammad ahmed 11/05/2025



#34

Hexachlorobutadiene

Concen: 46.947 ng

RT: 11.384 min Scan# 1412

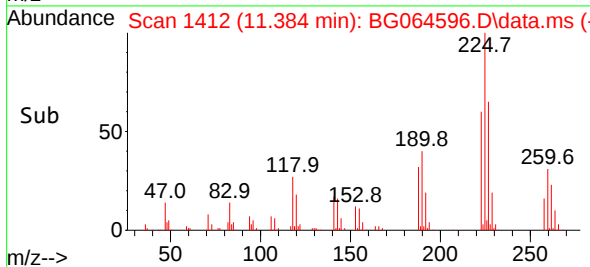
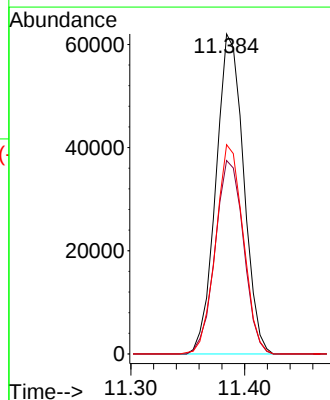
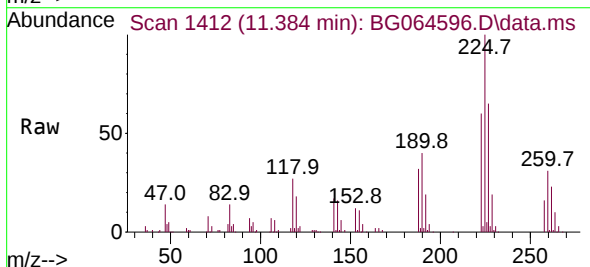
Delta R.T. -0.006 min

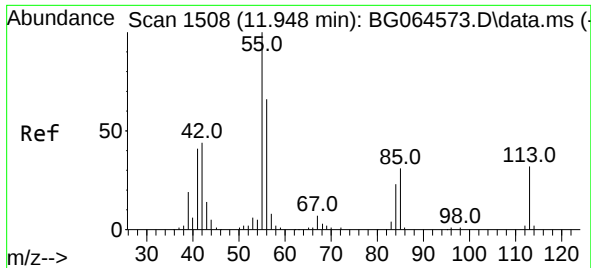
Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

Tgt Ion:225 Resp: 104891

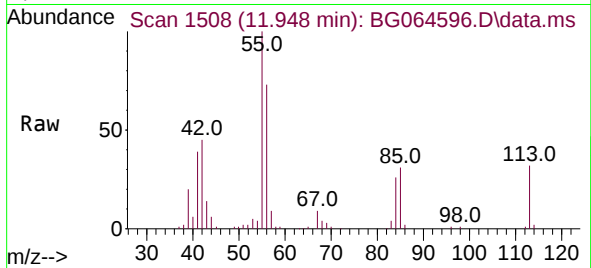
Ion	Ratio	Lower	Upper
225	100		
223	63.8	48.8	73.2
227	68.5	49.5	74.3





#35
 Caprolactam
 Concen: 44.477 ng m
 RT: 11.948 min Scan# 1508
 Delta R.T. 0.000 min
 Lab File: BG064596.D
 Acq: 27 Oct 2025 20:50

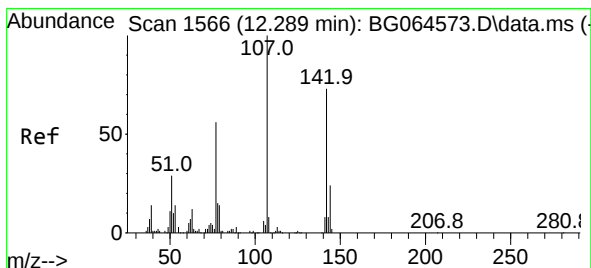
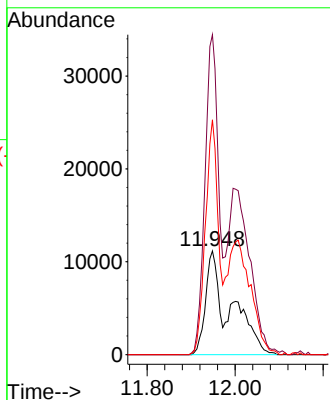
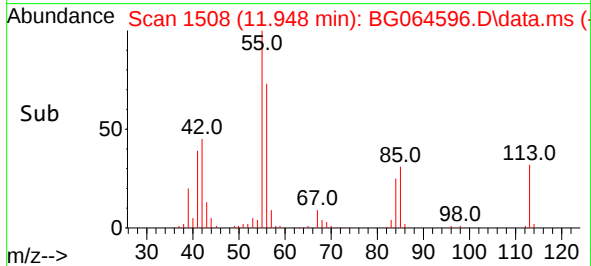
Instrument :
 BNA_G
 ClientSampleId :
 TP-11MSD



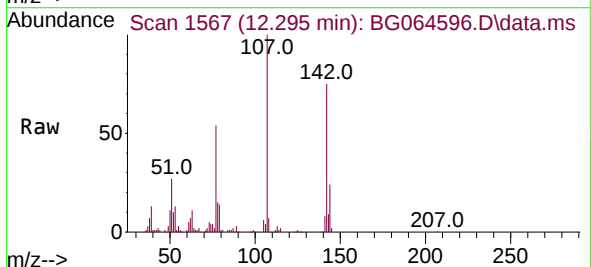
Tgt Ion:113 Resp: 42893
 Ion Ratio Lower Upper
 113 100
 55 308.8 290.1 330.1
 56 226.6 183.8 223.8

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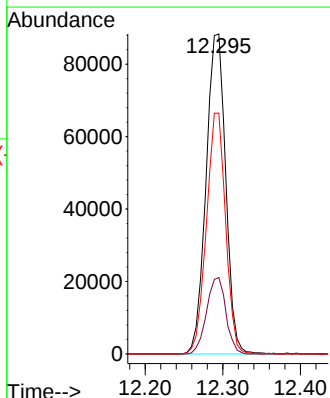
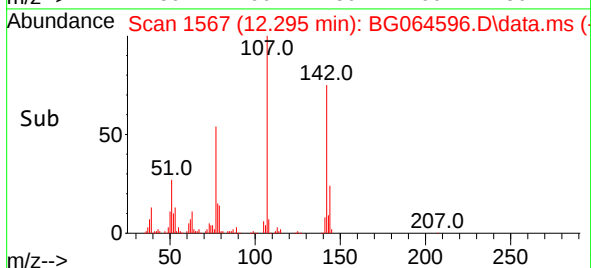
Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 11/05/2025

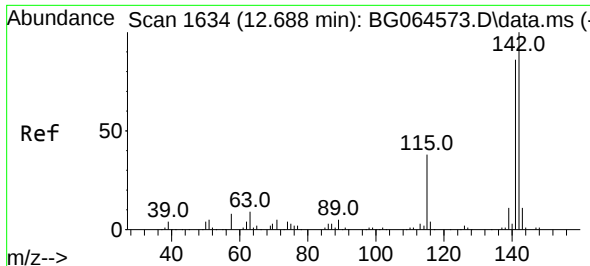


#36
 4-Chloro-3-methylphenol
 Concen: 51.443 ng
 RT: 12.295 min Scan# 1567
 Delta R.T. 0.006 min
 Lab File: BG064596.D
 Acq: 27 Oct 2025 20:50



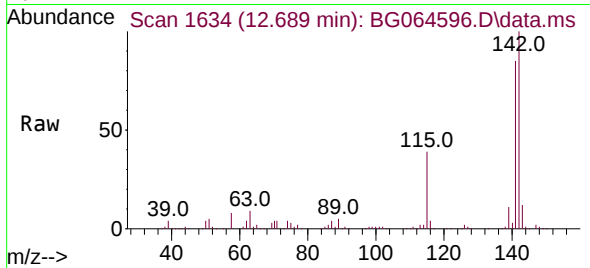
Tgt Ion:107 Resp: 155480
 Ion Ratio Lower Upper
 107 100
 144 23.9 19.1 28.7
 142 75.2 58.6 87.8





#37
2-Methylnaphthalene
Concen: 43.124 ng
RT: 12.689 min Scan# 1634
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

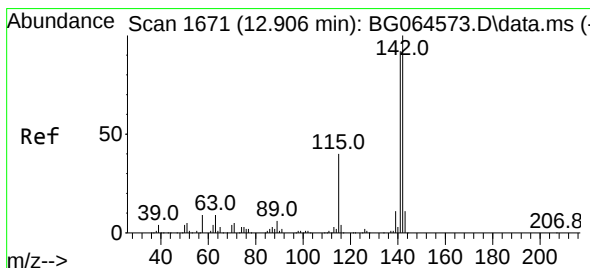
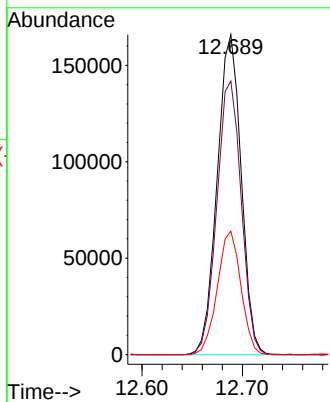
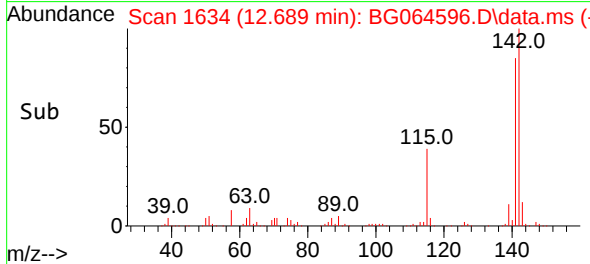
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



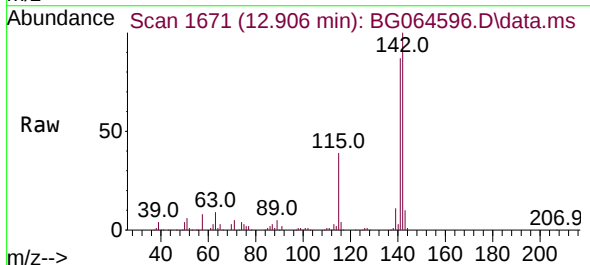
Tgt Ion:142 Resp: 275987
Ion Ratio Lower Upper
142 100
141 85.5 68.9 103.3
115 38.6 30.6 46.0

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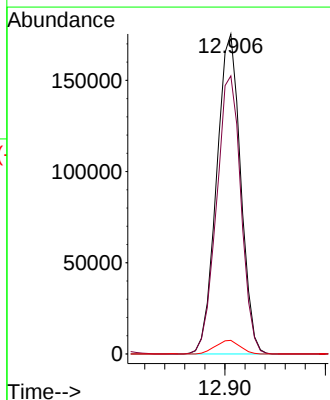
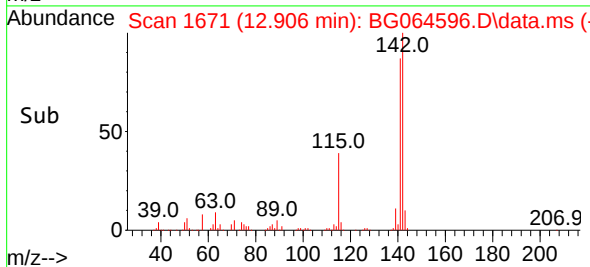
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

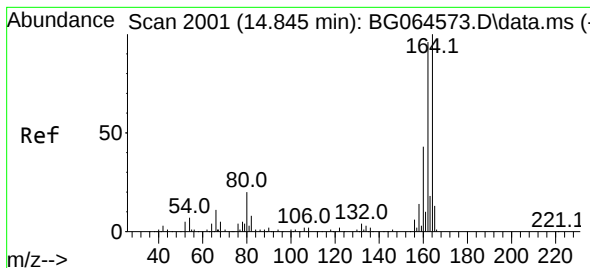


#38
1-Methylnaphthalene
Concen: 46.193 ng
RT: 12.906 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50



Tgt Ion:142 Resp: 292659
Ion Ratio Lower Upper
142 100
141 86.9 73.3 109.9
116 4.2 3.1 4.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.839 min Scan# 2001

Delta R.T. -0.006 min

Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

Instrument :

BNA_G

ClientSampleId :

TP-11MSD

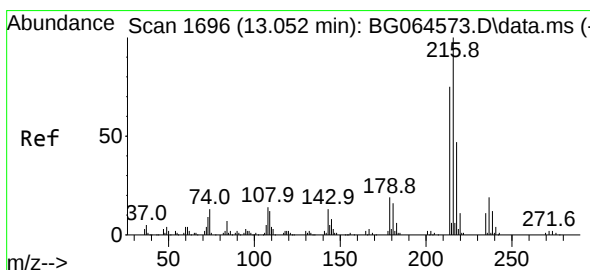
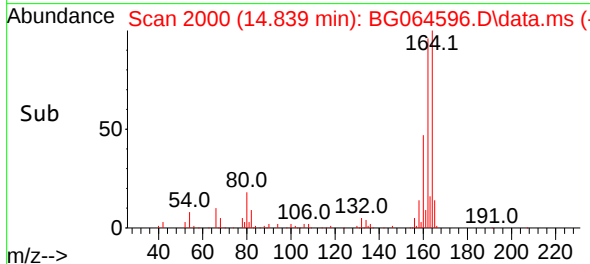
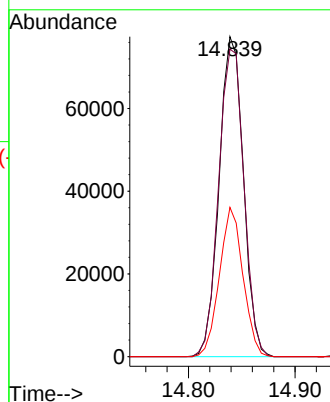
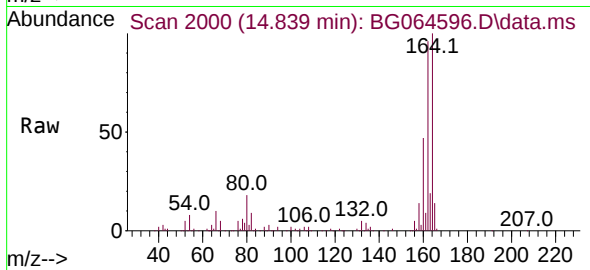
Tgt Ion:164 Resp: 122700
 Ion Ratio Lower Upper
 164 100
 162 96.1 77.0 115.6
 160 46.6 34.4 51.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/28/2025

Supervised By :mohammad ahmed 11/05/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 52.674 ng

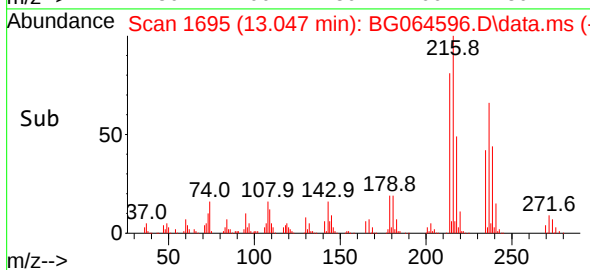
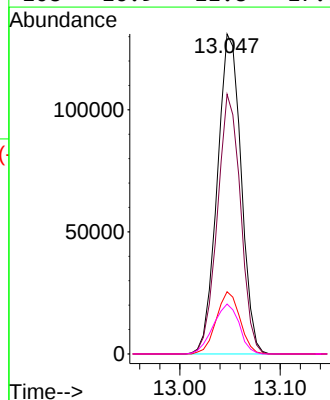
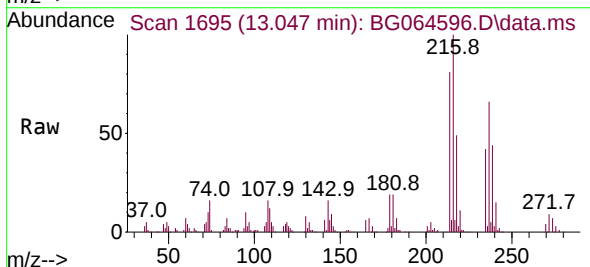
RT: 13.047 min Scan# 1695

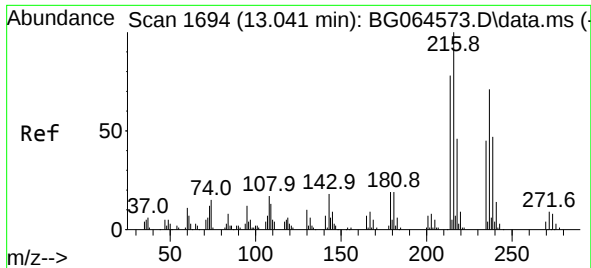
Delta R.T. -0.006 min

Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

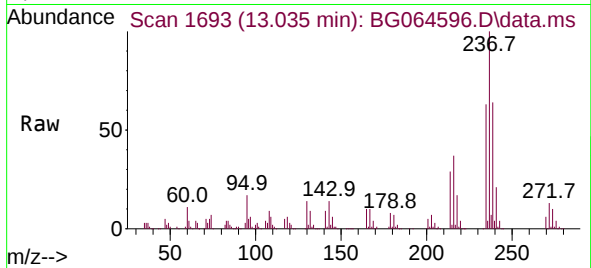
Tgt Ion:216 Resp: 216909
 Ion Ratio Lower Upper
 216 100
 214 78.6 61.4 92.2
 179 19.2 15.4 23.0
 108 16.9 11.8 17.6





#41
Hexachlorocyclopentadiene
Concen: 130.715 ng
RT: 13.035 min Scan# 1693
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

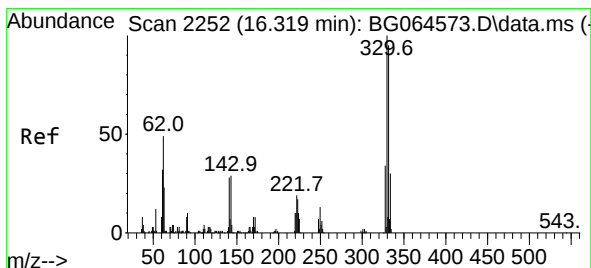
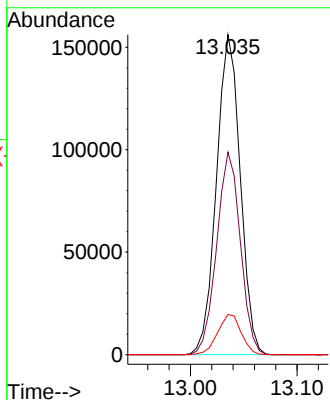
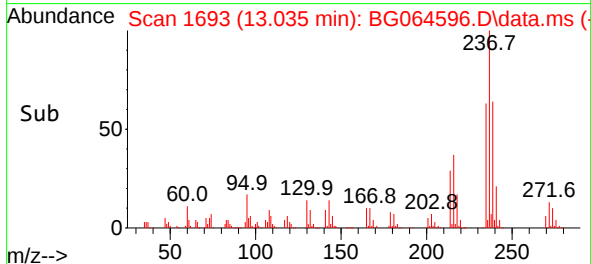
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



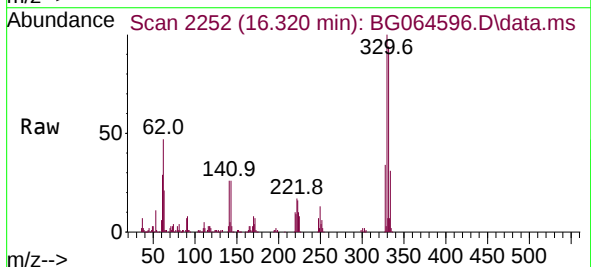
Tgt Ion:237 Resp: 242282
Ion Ratio Lower Upper
237 100
235 63.2 44.1 84.1
272 12.5 0.0 32.4

Manual Integrations
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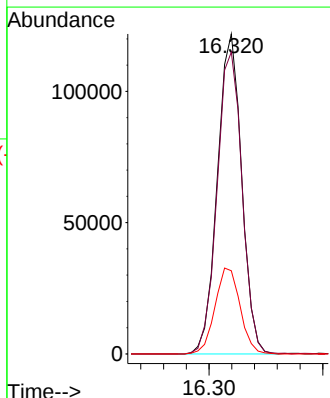
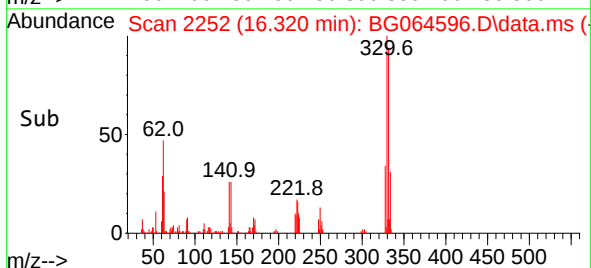
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

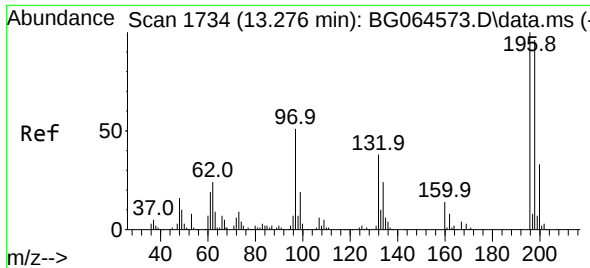


#42
2,4,6-Tribromophenol
Concen: 101.791 ng
RT: 16.320 min Scan# 2252
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50



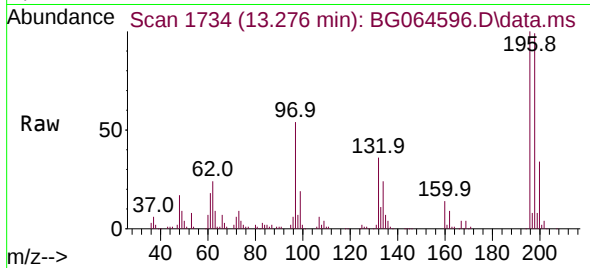
Tgt Ion:330 Resp: 180267
Ion Ratio Lower Upper
330 100
332 97.2 78.0 117.0
141 27.8 21.8 32.6





#43
2,4,6-Trichlorophenol
Concen: 54.330 ng
RT: 13.276 min Scan# 1734
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

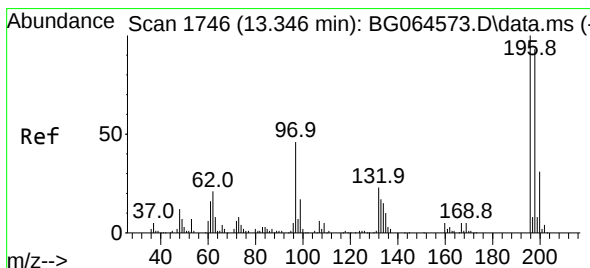
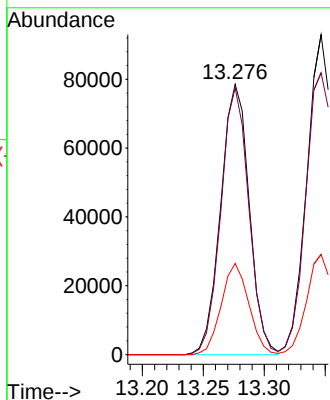
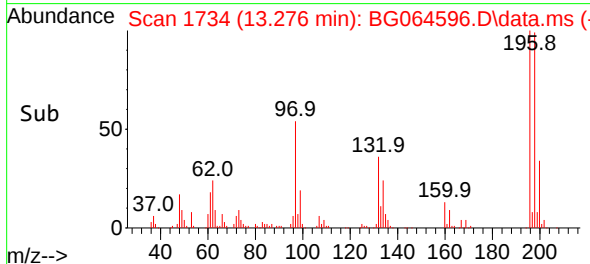
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



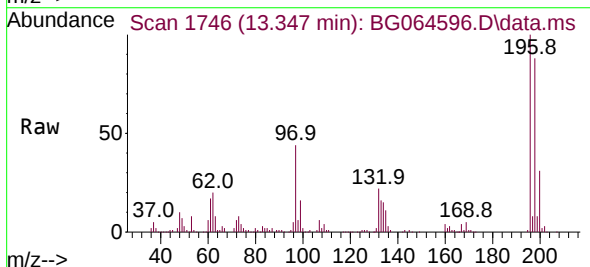
Tgt Ion:196 Resp: 127975
Ion Ratio Lower Upper
196 100
198 98.7 76.6 115.0
200 33.7 26.0 39.0

Manual Integrations
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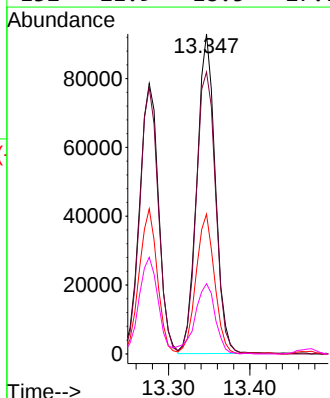
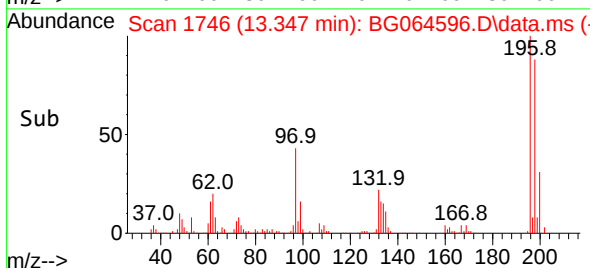
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

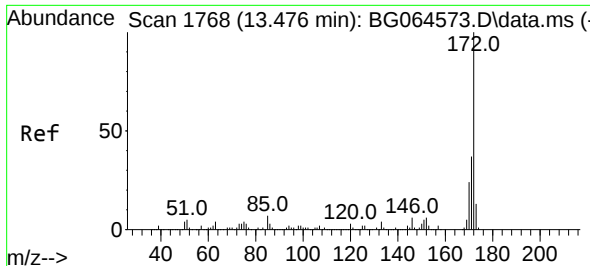


#44
2,4,5-Trichlorophenol
Concen: 53.731 ng
RT: 13.347 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50



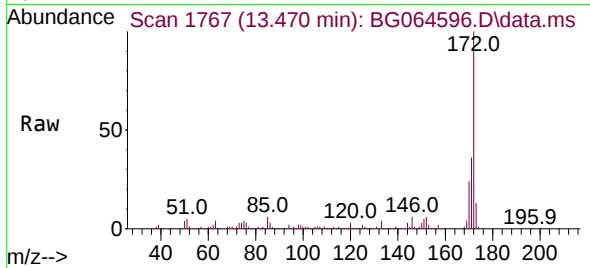
Tgt Ion:196 Resp: 146053
Ion Ratio Lower Upper
196 100
198 88.1 74.2 111.4
97 43.7 37.0 55.6
132 21.9 18.5 27.7





#45
2-Fluorobiphenyl
Concen: 59.721 ng
RT: 13.470 min Scan# 1768
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

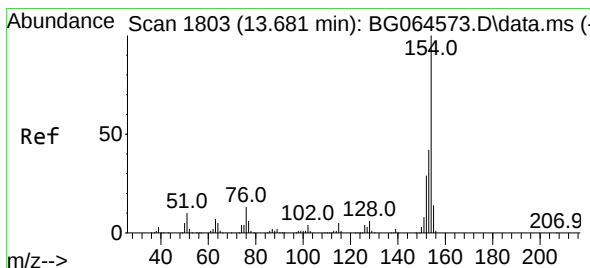
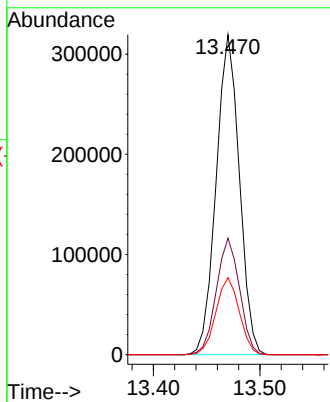
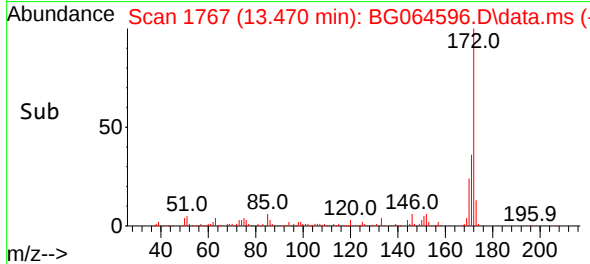
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



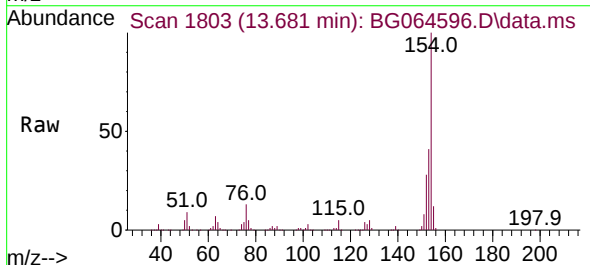
Tgt Ion:172 Resp: 483448
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 24.0 19.1 28.7

Manual Integrations
APPROVED

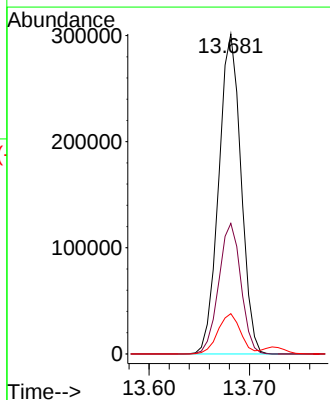
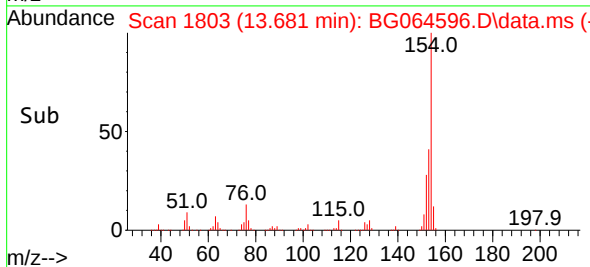
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

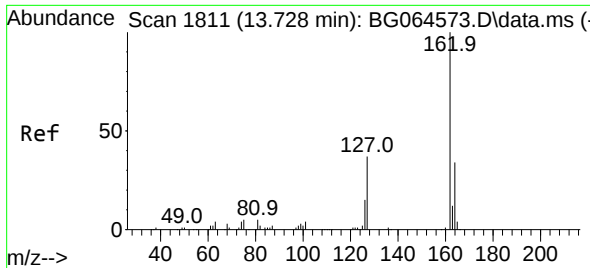


#46
1,1'-Biphenyl
Concen: 53.342 ng
RT: 13.681 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50



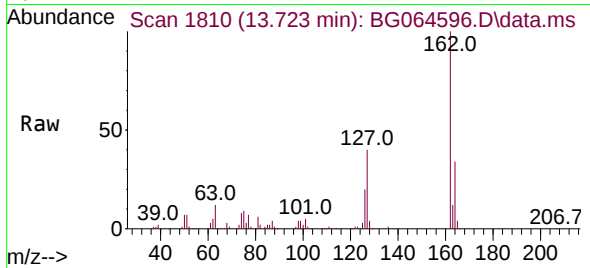
Tgt Ion:154 Resp: 465315
Ion Ratio Lower Upper
154 100
153 40.8 22.4 62.4
76 12.6 0.0 33.5





#47
2-Chloronaphthalene
Concen: 47.570 ng
RT: 13.723 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

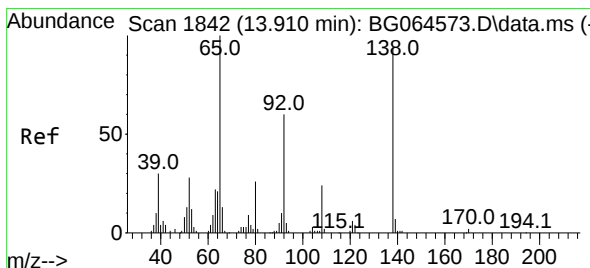
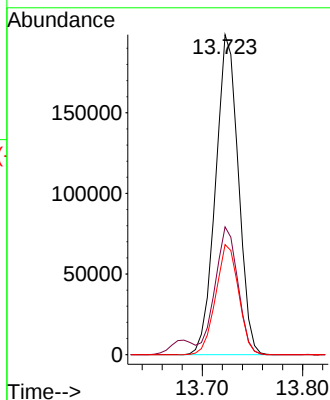
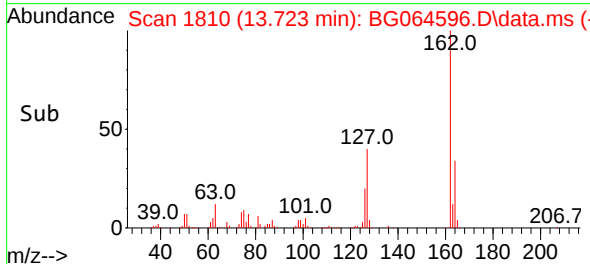
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



Tgt Ion:162 Resp: 313227
Ion Ratio Lower Upper
162 100
127 39.9 32.2 48.2
164 34.4 27.5 41.3

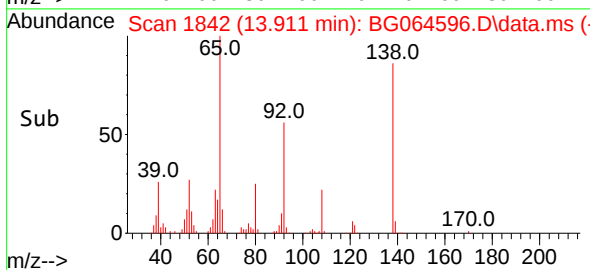
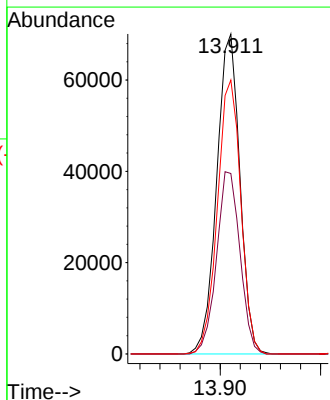
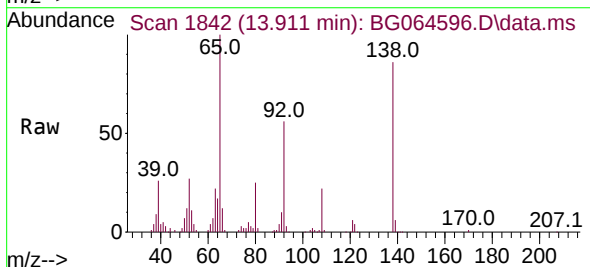
Manual Integrations
APPROVED

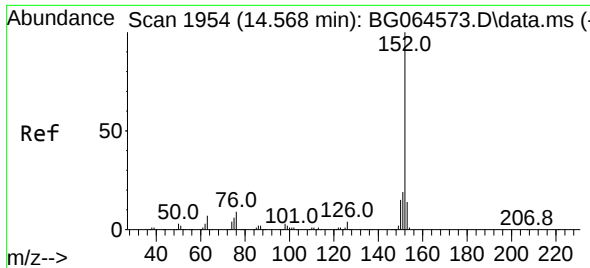
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#48
2-Nitroaniline
Concen: 50.683 ng
RT: 13.911 min Scan# 1842
Delta R.T. 0.001 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

Tgt Ion: 65 Resp: 112461
Ion Ratio Lower Upper
65 100
92 56.4 48.3 72.5
138 85.6 74.9 112.3





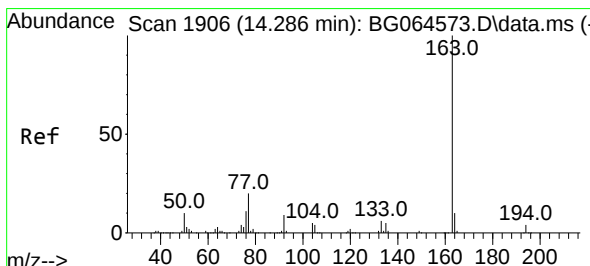
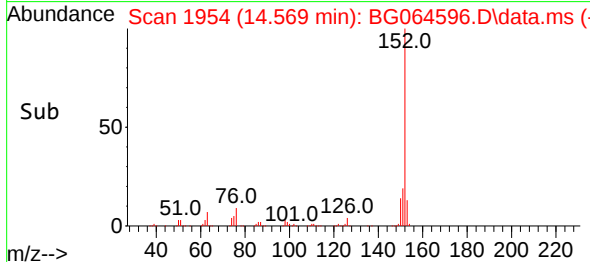
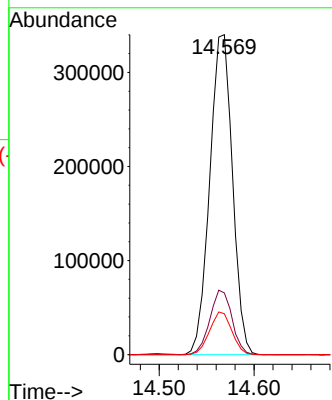
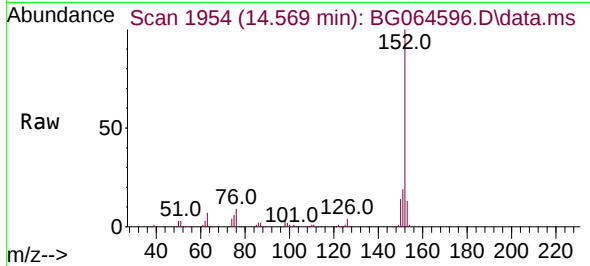
#49
Acenaphthylene
Concen: 54.557 ng
RT: 14.569 min Scan# 1954
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

Instrument :
BNA_G
ClientSampleId :
TP-11MSD

Tgt Ion:152 Resp: 566623
Ion Ratio Lower Upper
152 100
151 19.3 15.4 23.2
153 12.8 11.0 16.4

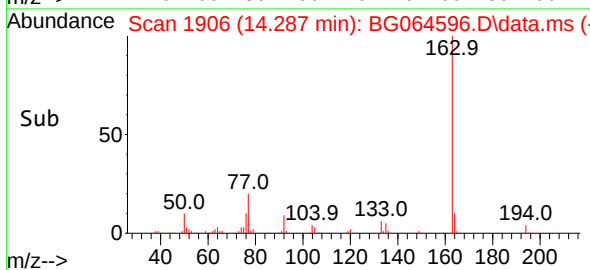
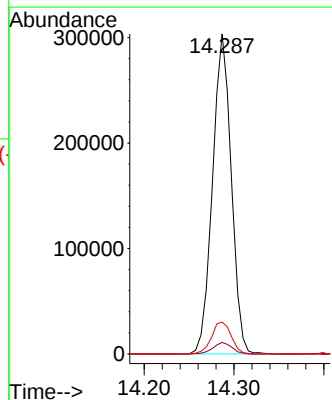
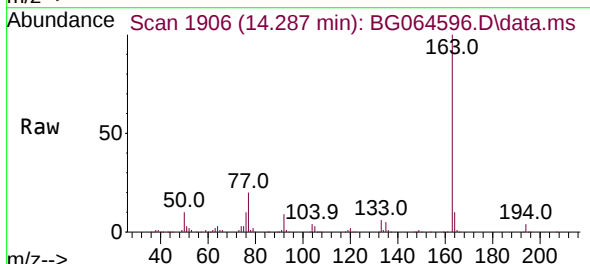
Manual Integrations
APPROVED

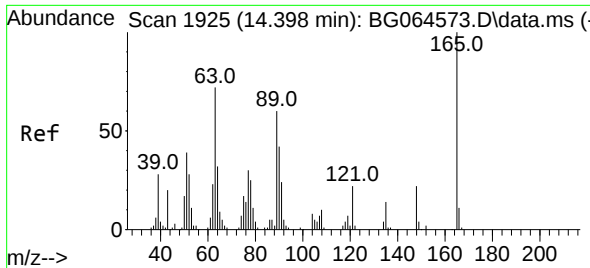
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#50
Dimethylphthalate
Concen: 47.045 ng
RT: 14.287 min Scan# 1906
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

Tgt Ion:163 Resp: 441705
Ion Ratio Lower Upper
163 100
194 3.6 2.8 4.2
164 9.9 7.7 11.5





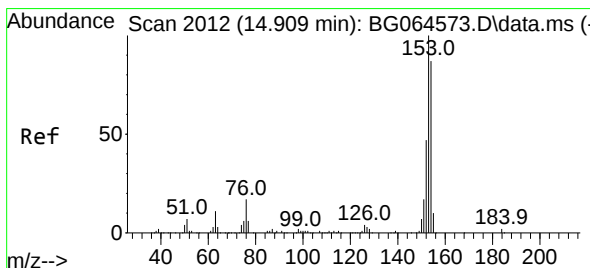
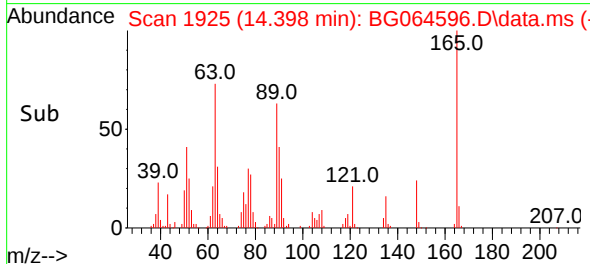
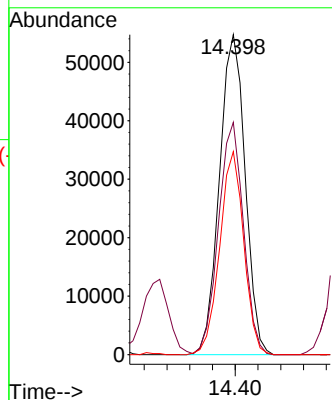
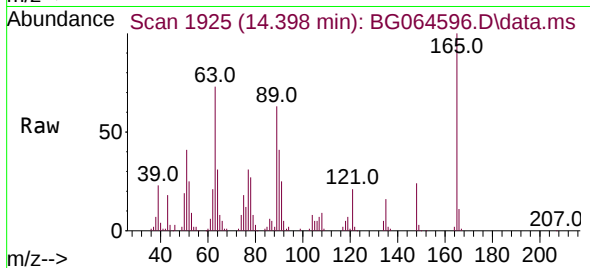
#51
2,6-Dinitrotoluene
Concen: 54.905 ng
RT: 14.398 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

Instrument :
BNA_G
ClientSampleId :
TP-11MSD

Tgt Ion:165 Resp: 85821
Ion Ratio Lower Upper
165 100
63 72.6 57.4 86.0
89 63.4 47.8 71.8

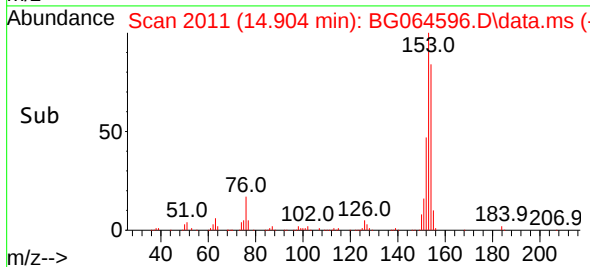
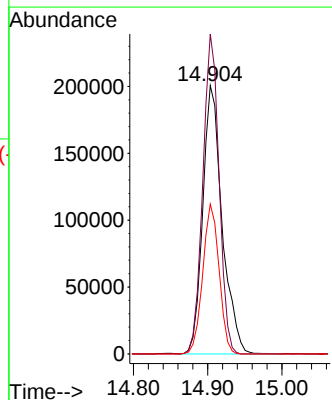
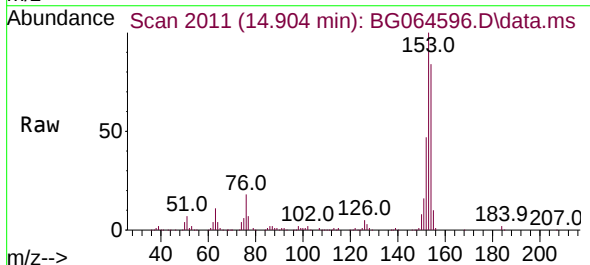
Manual Integrations
APPROVED

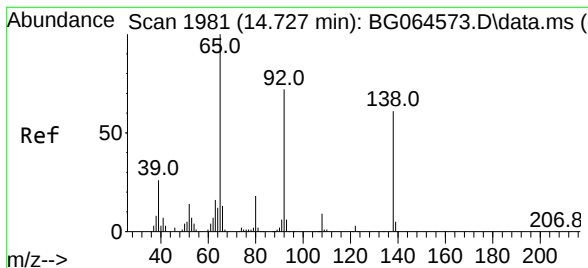
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#52
Acenaphthene
Concen: 51.272 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

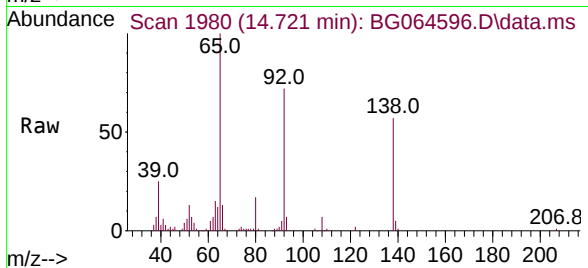
Tgt Ion:154 Resp: 363819
Ion Ratio Lower Upper
154 100
153 119.3 92.2 138.4
152 55.9 43.2 64.8





#53
3-Nitroaniline
Concen: 25.881 ng
RT: 14.721 min Scan# 1981
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

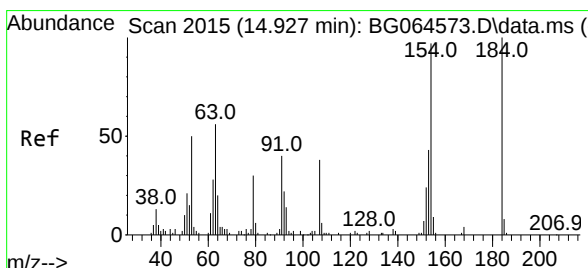
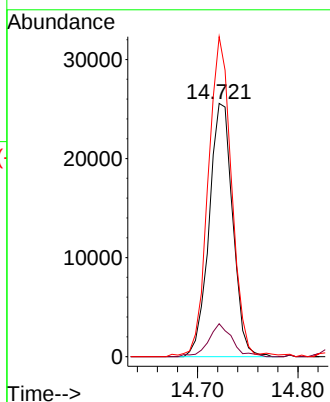
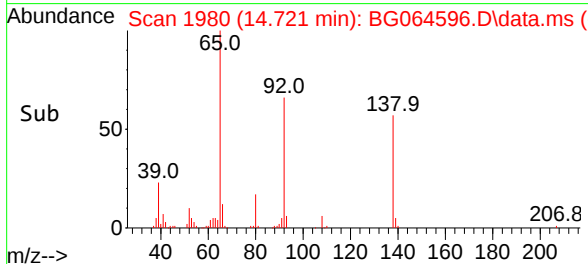
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



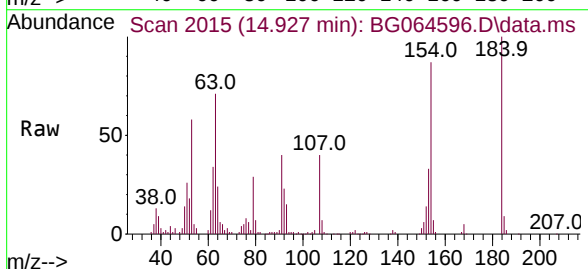
Tgt Ion:138 Resp: 41760
Ion Ratio Lower Upper
138 100
108 13.0 11.4 17.0
92 126.4 95.3 142.9

Manual Integrations
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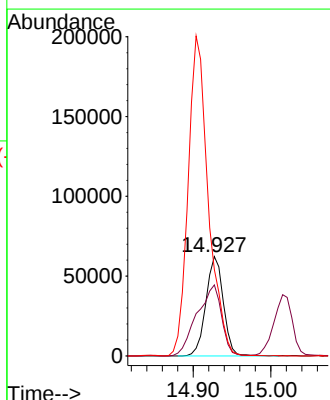
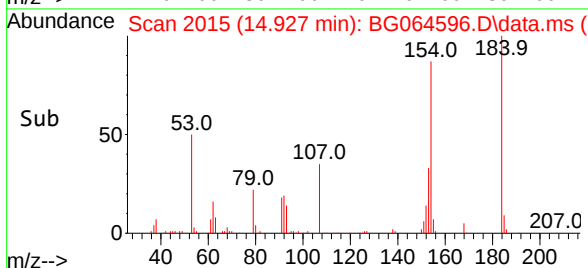
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

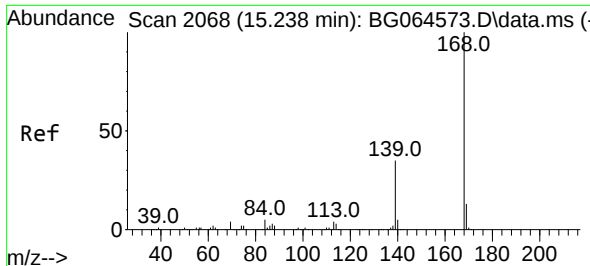


#54
2,4-Dinitrophenol
Concen: 100.347 ng
RT: 14.927 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50



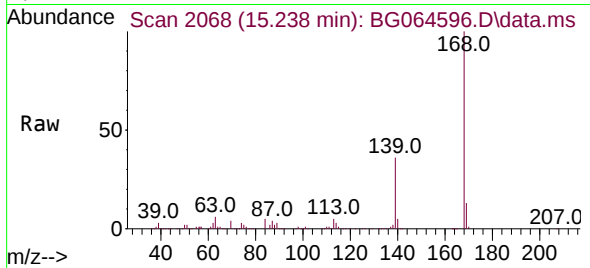
Tgt Ion:184 Resp: 96842
Ion Ratio Lower Upper
184 100
63 71.5 56.6 85.0
154 87.0 158.6 238.0#





#55
Dibenzofuran
Concen: 47.045 ng
RT: 15.238 min Scan# 2068
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

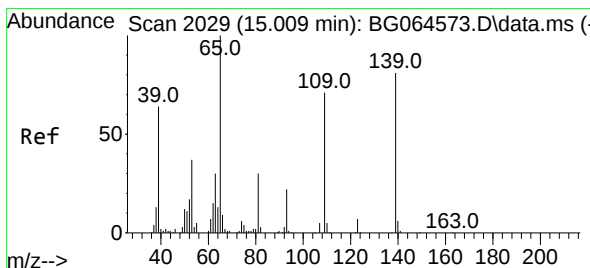
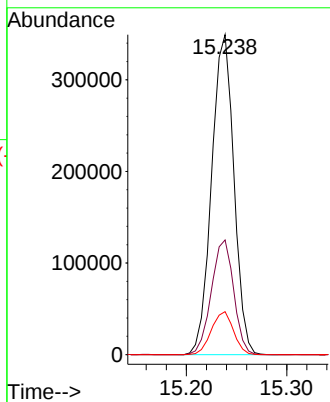
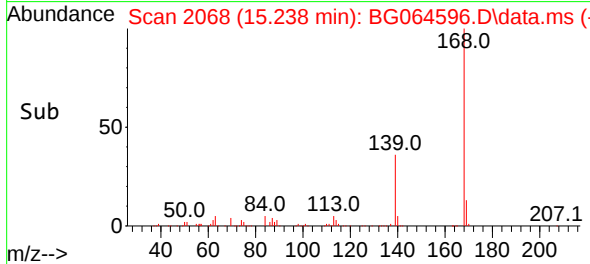
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



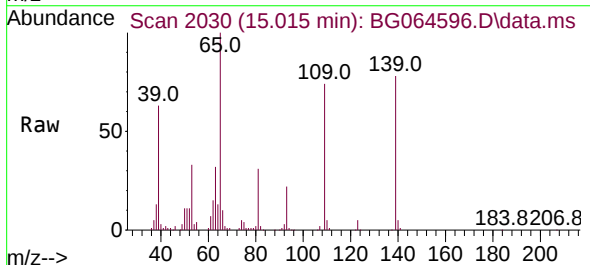
Tgt Ion:168 Resp: 539697
Ion Ratio Lower Upper
168 100
139 35.8 27.8 41.8
169 13.4 10.3 15.5

Manual Integrations
APPROVED

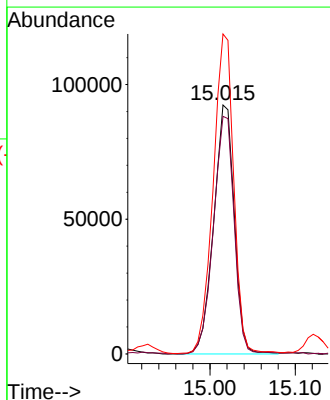
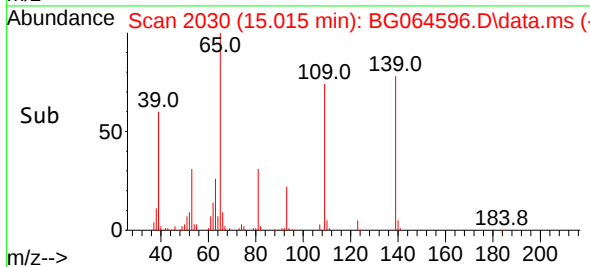
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

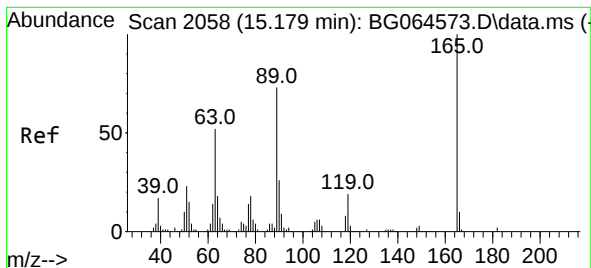


#56
4-Nitrophenol
Concen: 103.665 ng
RT: 15.015 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50



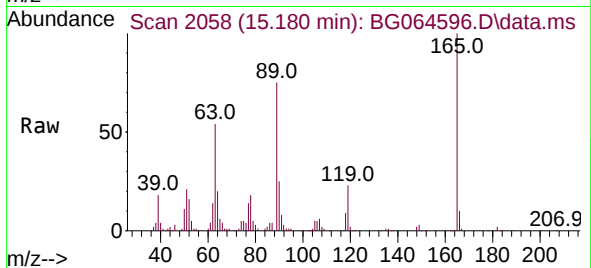
Tgt Ion:139 Resp: 155082
Ion Ratio Lower Upper
139 100
109 95.4 67.8 107.8
65 128.5 103.7 143.7





#57
2,4-Dinitrotoluene
Concen: 51.491 ng
RT: 15.180 min Scan# 2058
Delta R.T. 0.001 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

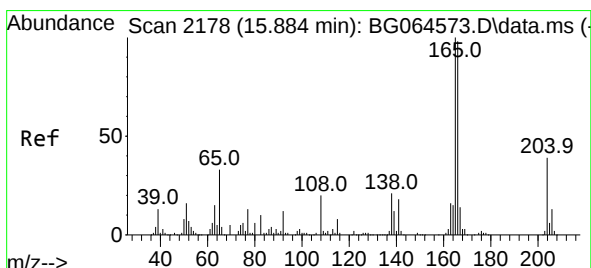
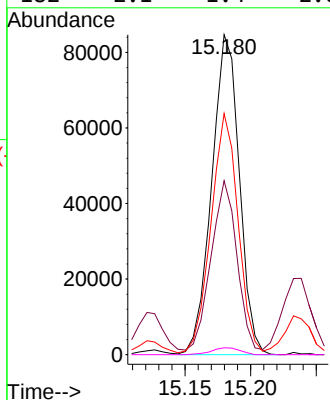
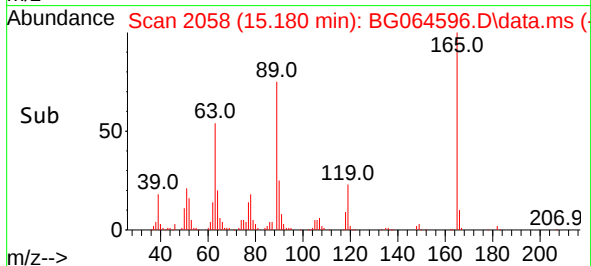
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



Tgt Ion:165 Resp: 123905
Ion Ratio Lower Upper
165 100
63 54.3 41.8 62.8
89 75.3 58.1 87.1
182 2.1 1.4 2.0#

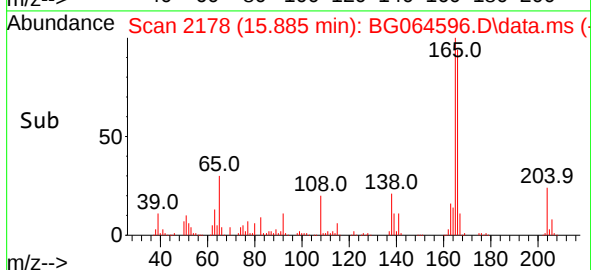
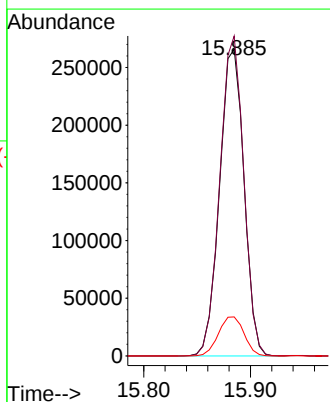
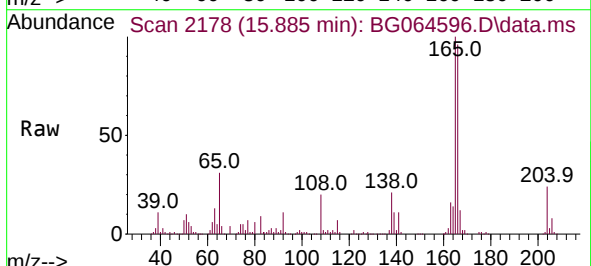
Manual Integrations
APPROVED

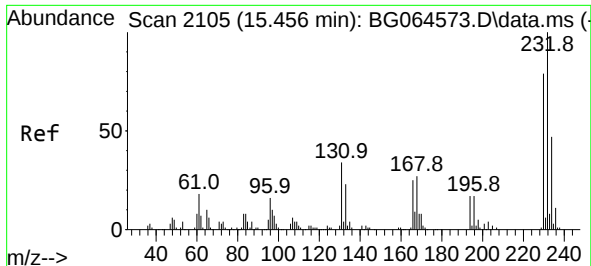
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#58
Fluorene
Concen: 47.273 ng
RT: 15.885 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

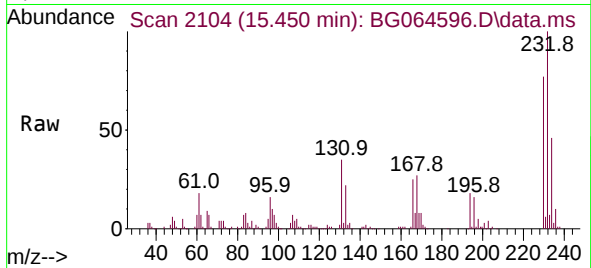
Tgt Ion:166 Resp: 423526
Ion Ratio Lower Upper
166 100
165 104.4 81.5 122.3
167 12.7 11.4 17.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 56.693 ng
RT: 15.450 min Scan# 2105
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

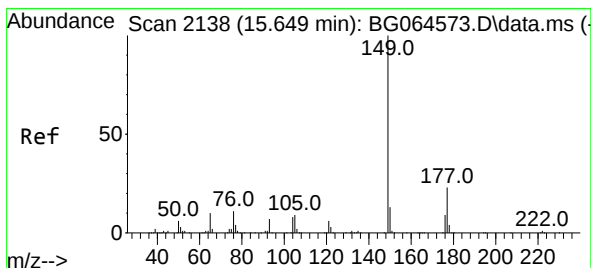
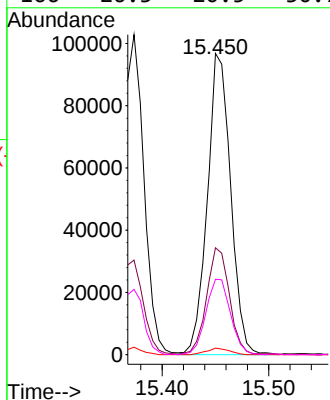
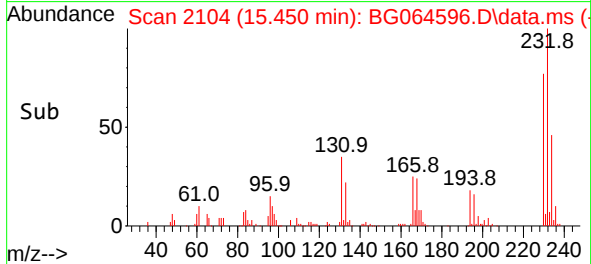
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



Tgt Ion:232 Resp: 147361
Ion Ratio Lower Upper
232 100
131 34.8 26.7 40.1
130 2.1 1.6 2.4
166 26.3 20.5 30.7

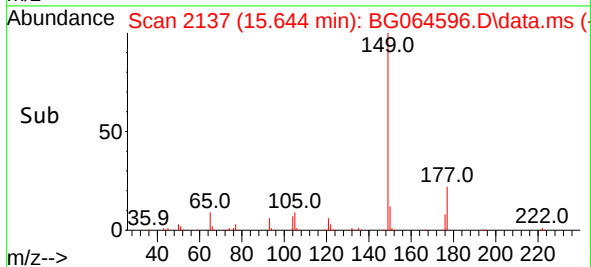
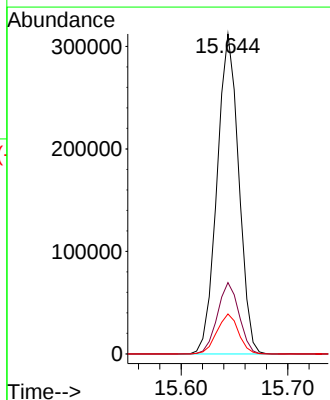
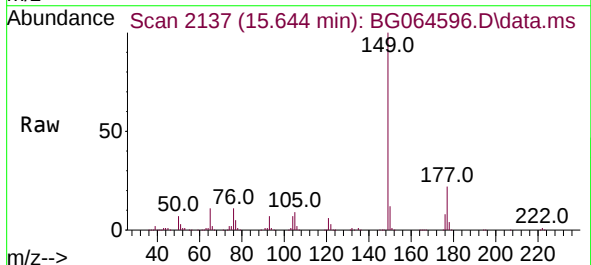
Manual Integrations
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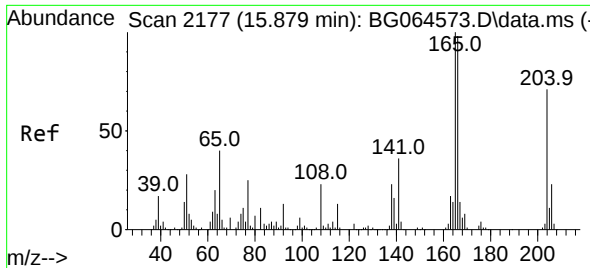
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#60
Diethylphthalate
Concen: 46.112 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

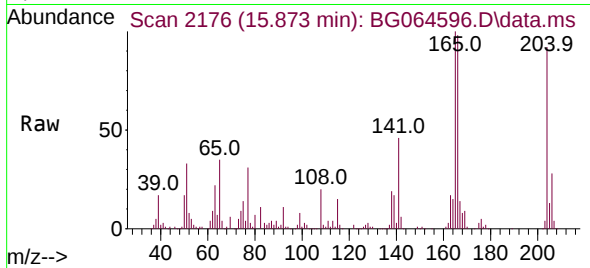
Tgt Ion:149 Resp: 442062
Ion Ratio Lower Upper
149 100
177 22.3 18.0 27.0
150 12.5 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 47.092 ng
RT: 15.873 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

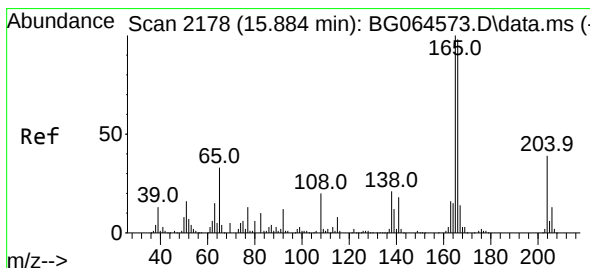
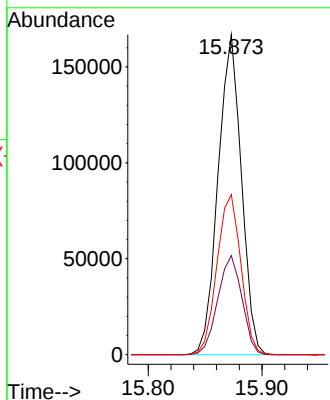
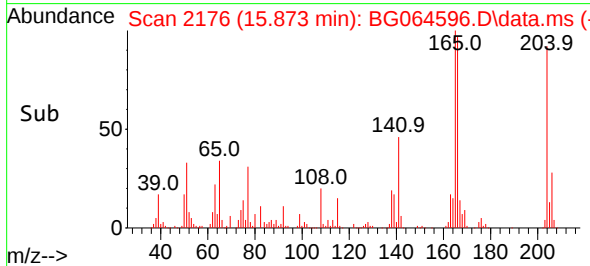
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



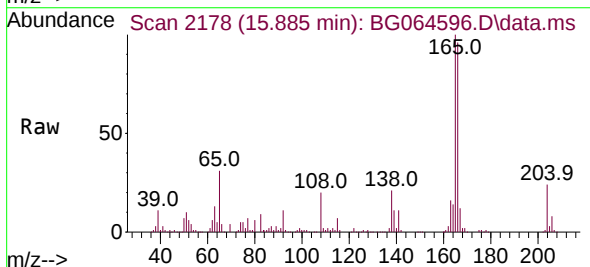
Tgt Ion:204 Resp: 236769
Ion Ratio Lower Upper
204 100
206 30.9 25.6 38.4
141 50.0 40.6 60.8

Manual Integrations
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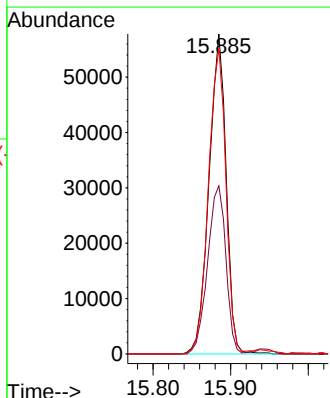
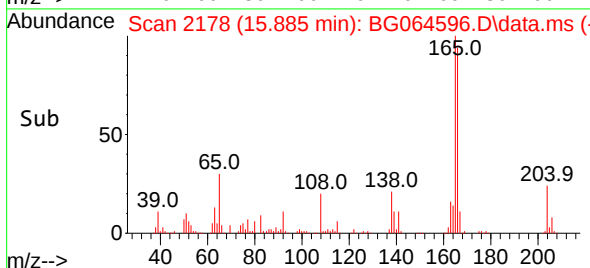
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

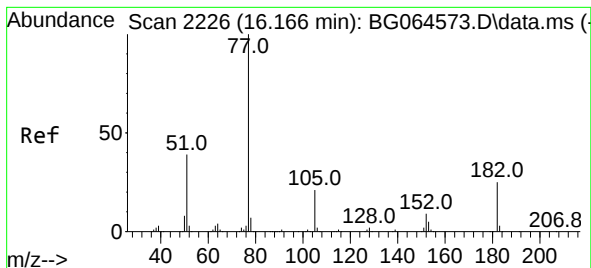


#62
4-Nitroaniline
Concen: 49.374 ng
RT: 15.885 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50



Tgt Ion:138 Resp: 88632
Ion Ratio Lower Upper
138 100
92 52.5 36.1 76.1
108 95.4 75.6 115.6





#63

Azobenzene

Concen: 51.549 ng

RT: 16.161 min Scan# 2226

Delta R.T. -0.006 min

Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

Instrument :

BNA_G

ClientSampleId :

TP-11MSD

Tgt Ion: 77 Resp: 453434

Ion Ratio Lower Upper

77 100

182 25.2 4.9 44.9

105 20.3 1.3 41.3

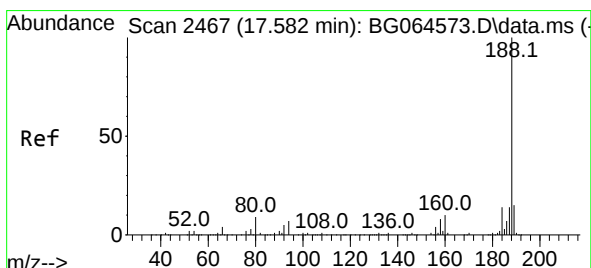
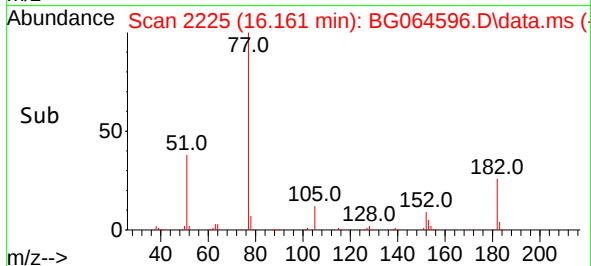
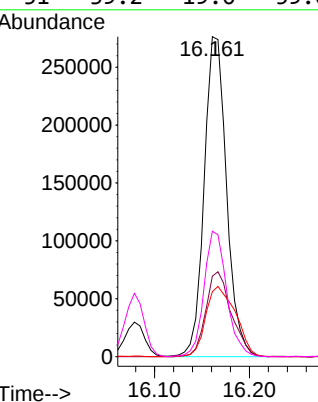
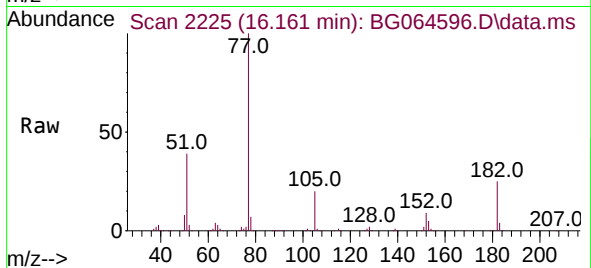
51 39.2 19.0 59.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/28/2025

Supervised By :mohammad ahmed 11/05/2025



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.577 min Scan# 2466

Delta R.T. -0.006 min

Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

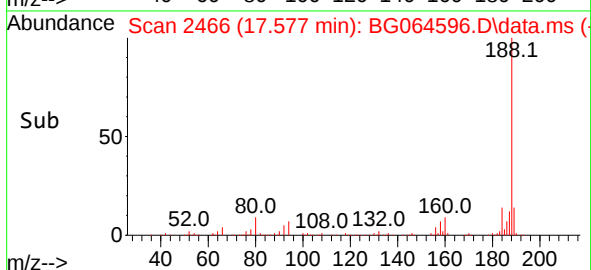
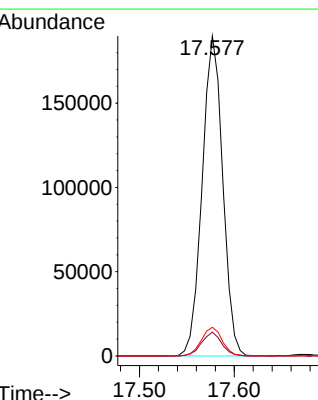
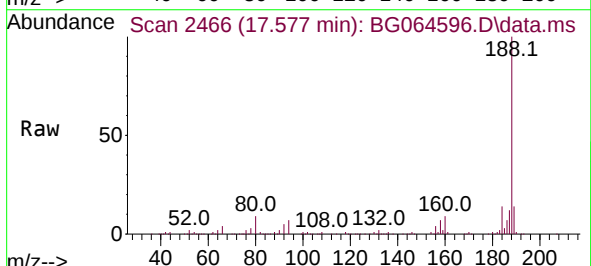
Tgt Ion:188 Resp: 285704

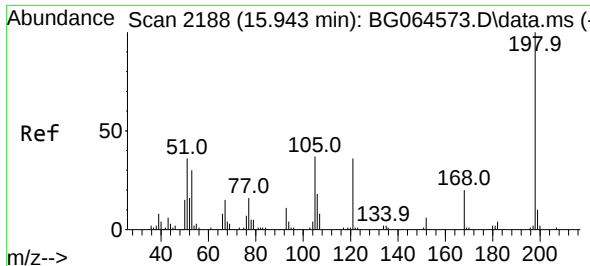
Ion Ratio Lower Upper

188 100

94 7.4 5.7 8.5

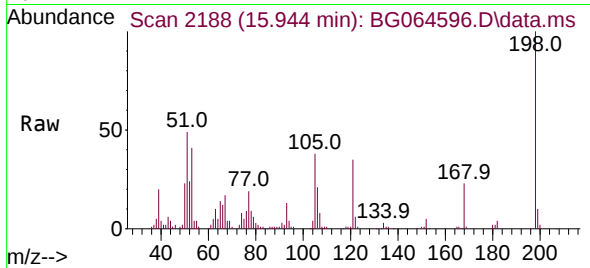
80 8.9 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 53.653 ng
RT: 15.944 min Scan# 2188
Delta R.T. 0.001 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

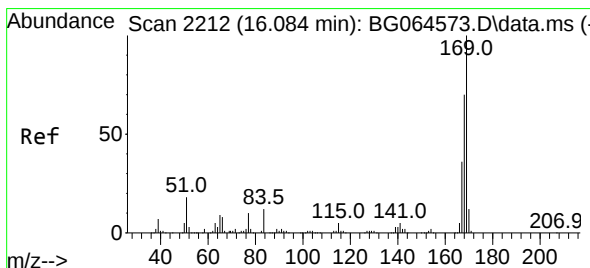
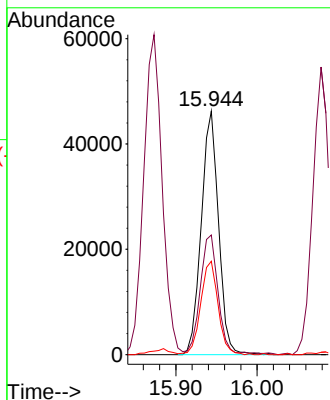
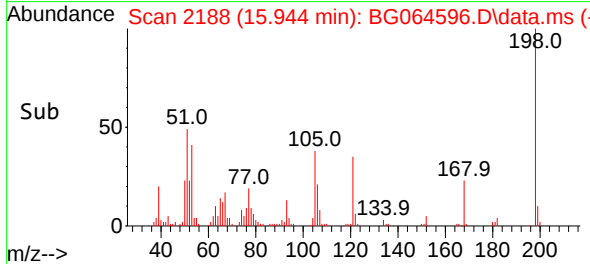
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



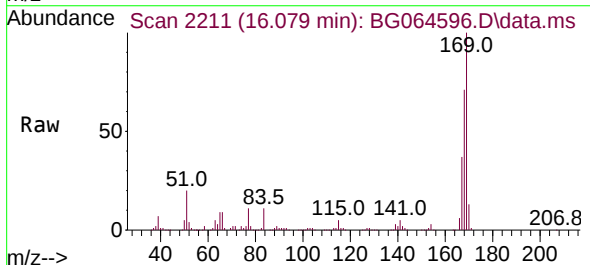
Tgt Ion:198 Resp: 68358
Ion Ratio Lower Upper
198 100
51 49.1 24.7 64.7
105 38.4 18.0 58.0

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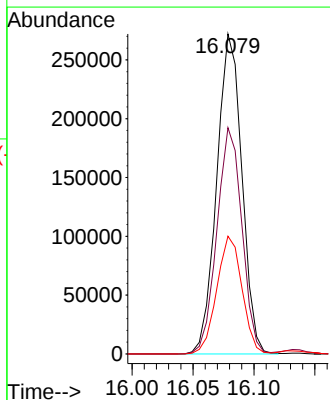
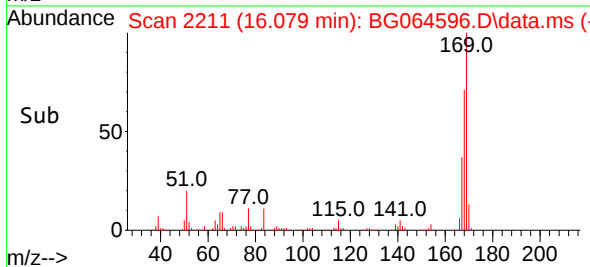
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

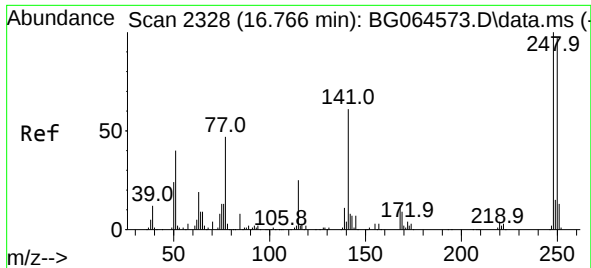


#66
n-Nitrosodiphenylamine
Concen: 50.578 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50



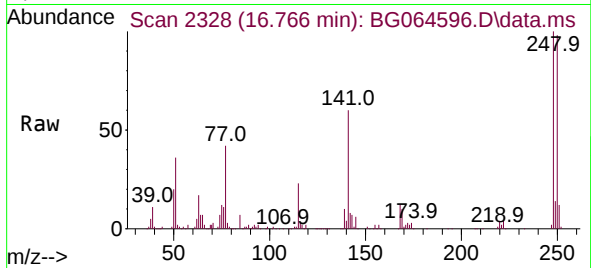
Tgt Ion:169 Resp: 390340
Ion Ratio Lower Upper
169 100
168 70.7 56.3 84.5
167 36.8 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 50.563 ng
RT: 16.766 min Scan# 2328
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

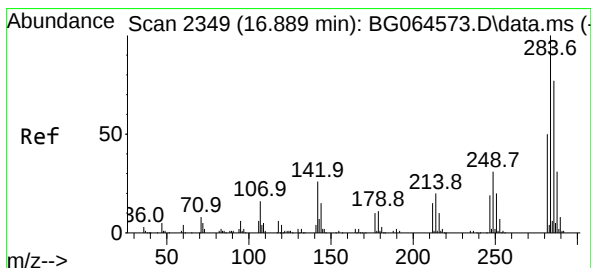
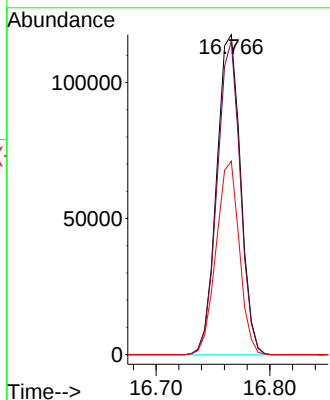
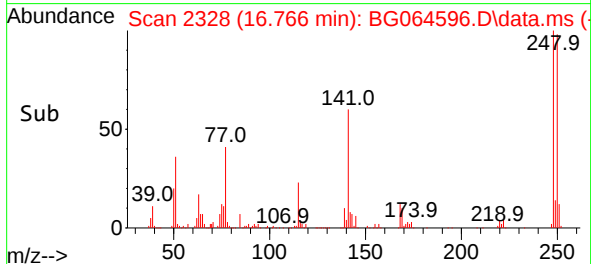
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



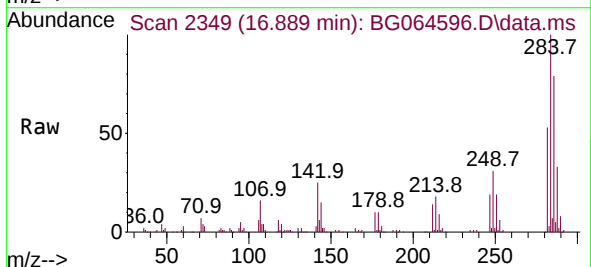
Tgt Ion:248 Resp: 171191
Ion Ratio Lower Upper
248 100
250 98.0 77.7 116.5
141 60.4 48.6 72.8

Manual Integrations
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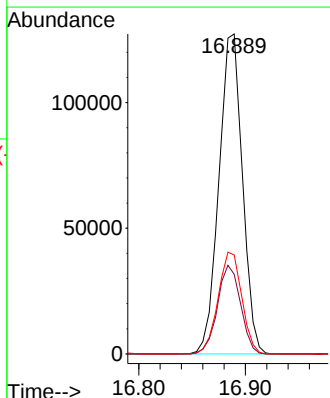
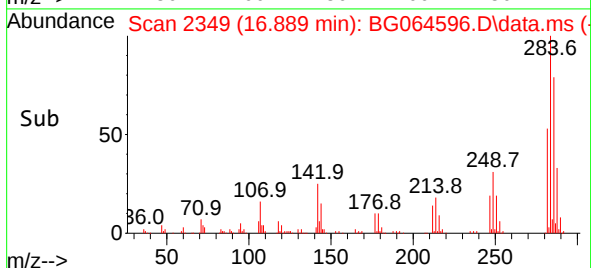
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

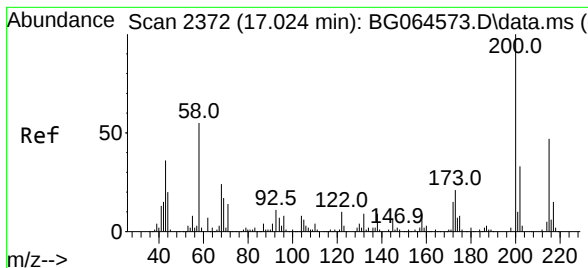


#68
Hexachlorobenzene
Concen: 50.448 ng
RT: 16.889 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50



Tgt Ion:284 Resp: 194855
Ion Ratio Lower Upper
284 100
142 24.9 21.0 31.6
249 32.9 24.9 37.3





#69

Atrazine

Concen: 49.892 ng

RT: 17.019 min Scan# 2371

Delta R.T. -0.006 min

Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

Instrument :

BNA_G

ClientSampleId :

TP-11MSD

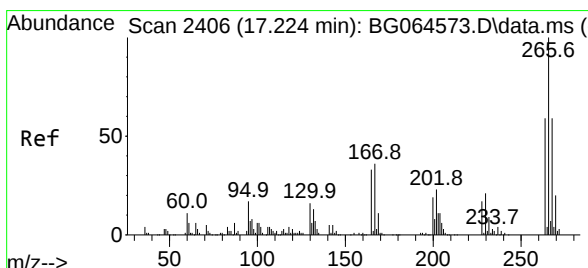
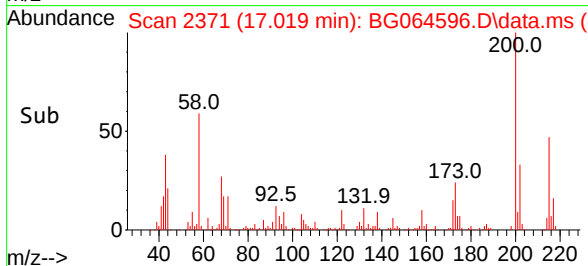
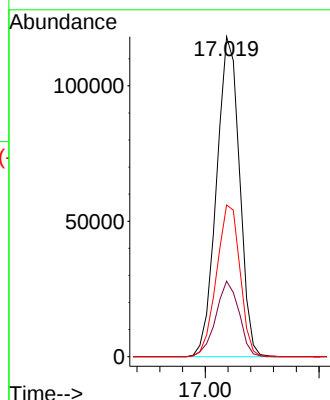
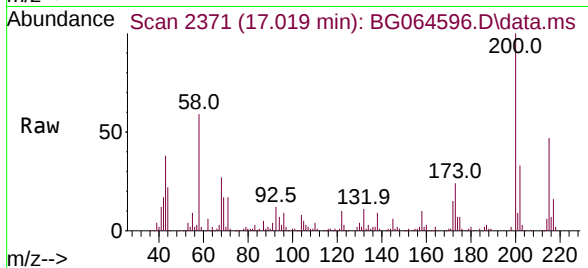
Tgt Ion:200 Resp: 165700
 Ion Ratio Lower Upper
 200 100
 173 23.6 0.9 40.9
 215 47.4 27.0 67.0

Manual Integrations

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Reviewed By :Rahul Chavli 10/28/2025

Supervised By :mohammad ahmed 11/05/2025



#70

Pentachlorophenol

Concen: 106.700 ng

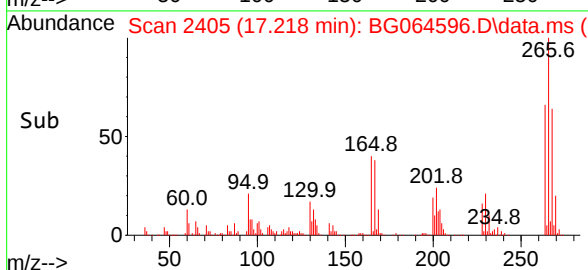
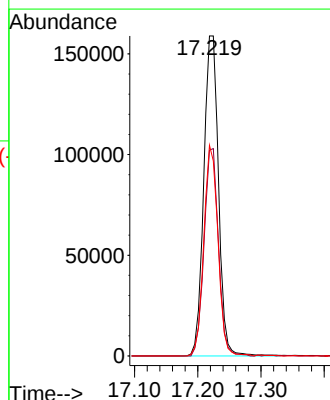
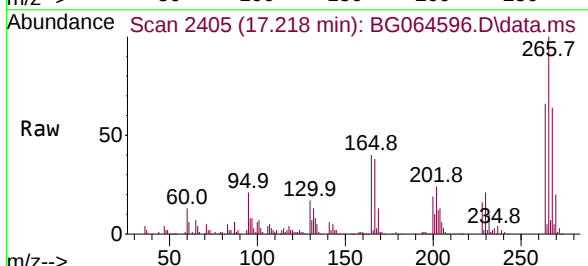
RT: 17.218 min Scan# 2405

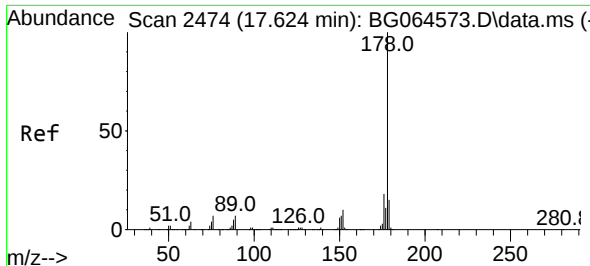
Delta R.T. -0.006 min

Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

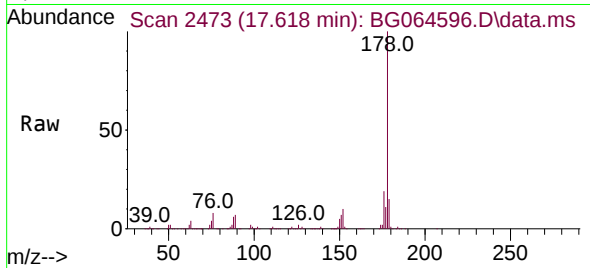
Tgt Ion:266 Resp: 256998
 Ion Ratio Lower Upper
 266 100
 268 69.3 50.3 75.5
 264 70.4 47.3 70.9





#71
Phenanthrene
Concen: 48.284 ng
RT: 17.618 min Scan# 2473
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

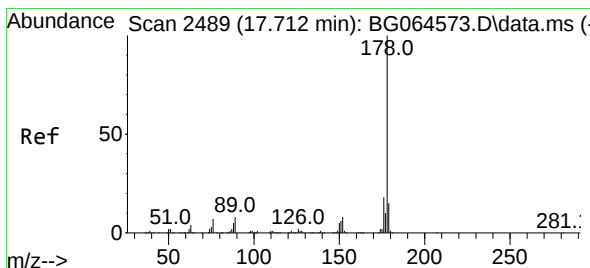
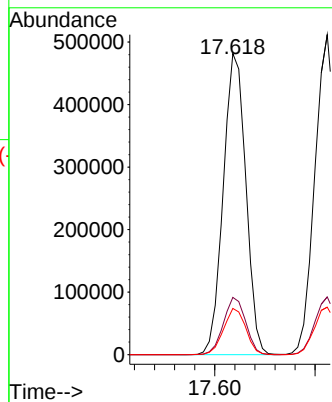
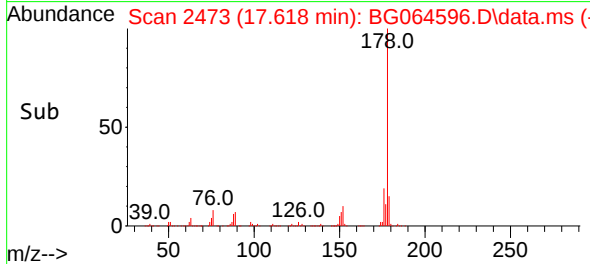
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



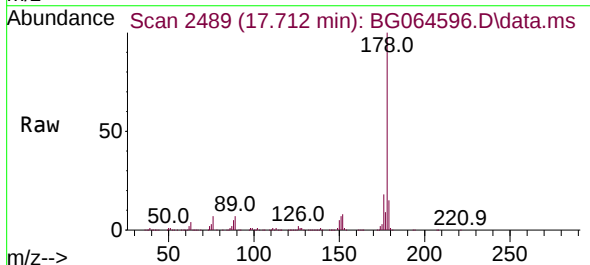
Tgt Ion:178 Resp: 754389
Ion Ratio Lower Upper
178 100
176 19.0 14.7 22.1
179 15.3 12.2 18.4

Manual Integrations
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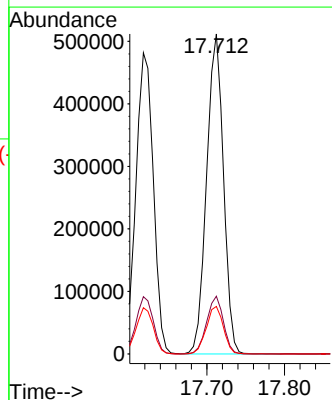
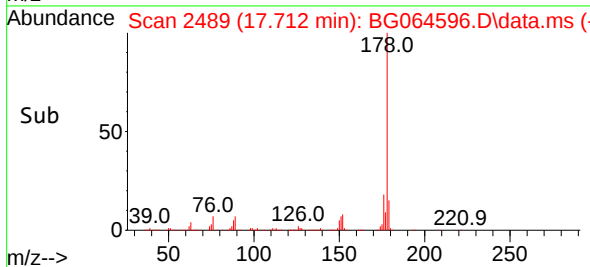
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

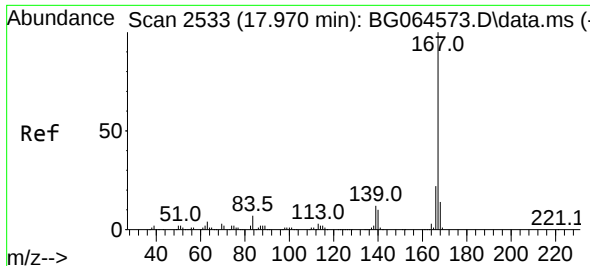


#72
Anthracene
Concen: 48.554 ng
RT: 17.712 min Scan# 2489
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50



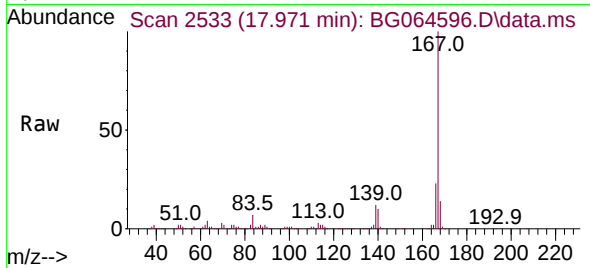
Tgt Ion:178 Resp: 771687
Ion Ratio Lower Upper
178 100
176 18.0 14.4 21.6
179 14.8 12.4 18.6





#73
 Carbazole
 Concen: 47.604 ng
 RT: 17.971 min Scan# 2533
 Delta R.T. 0.000 min
 Lab File: BG064596.D
 Acq: 27 Oct 2025 20:50

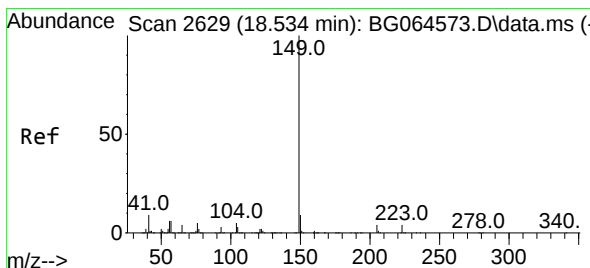
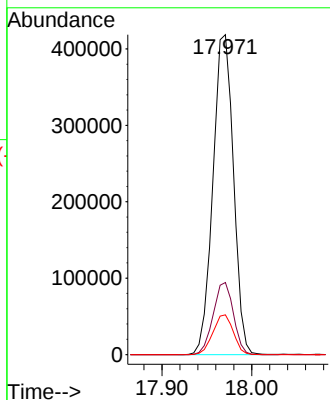
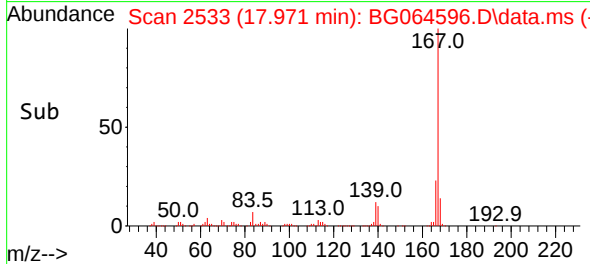
Instrument :
 BNA_G
 ClientSampleId :
 TP-11MSD



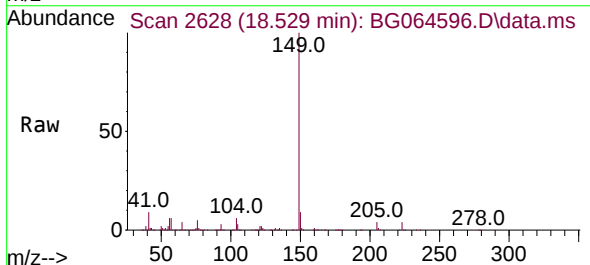
Tgt Ion:167 Resp: 667168
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.9 26.9
 139 12.4 9.7 14.5

Manual Integrations
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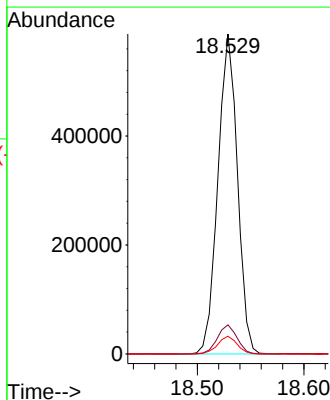
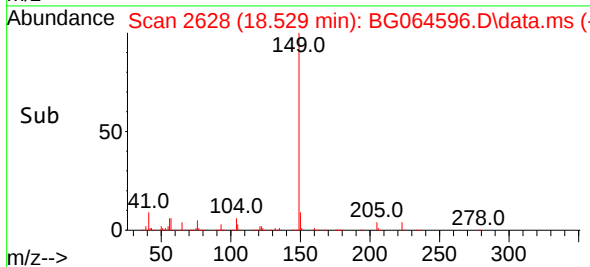
Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 11/05/2025

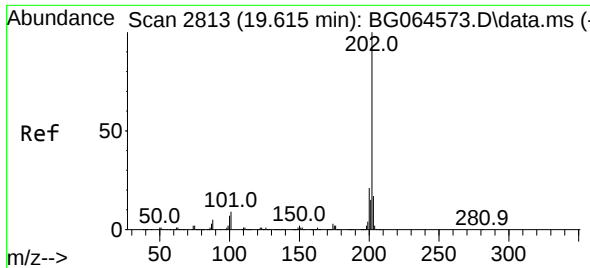


#74
 Di-n-butylphthalate
 Concen: 46.201 ng
 RT: 18.529 min Scan# 2628
 Delta R.T. -0.006 min
 Lab File: BG064596.D
 Acq: 27 Oct 2025 20:50



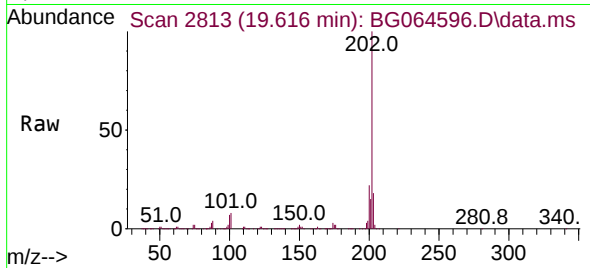
Tgt Ion:149 Resp: 748759
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.0 10.6
 104 5.5 4.1 6.1





#75
Fluoranthene
Concen: 46.125 ng
RT: 19.616 min Scan# 2813
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

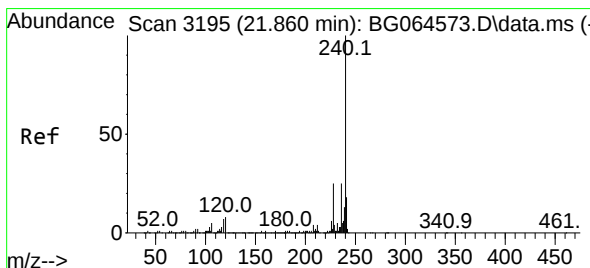
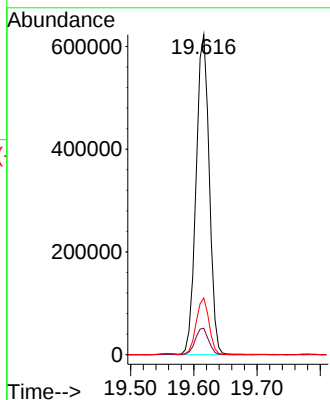
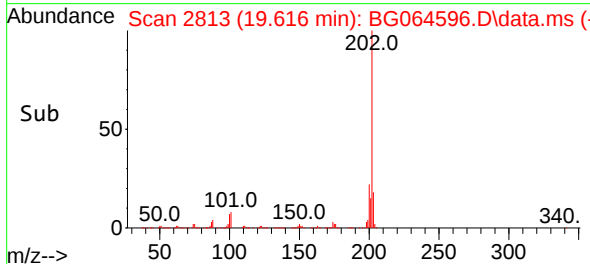
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



Tgt Ion:202 Resp: 902807
Ion Ratio Lower Upper
202 100
101 8.2 0.0 28.7
203 17.7 0.0 37.0

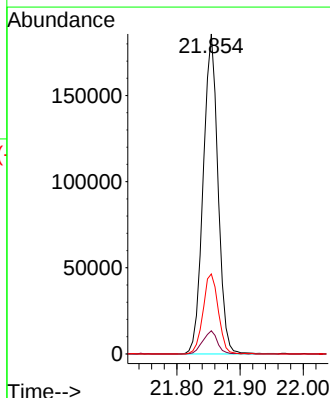
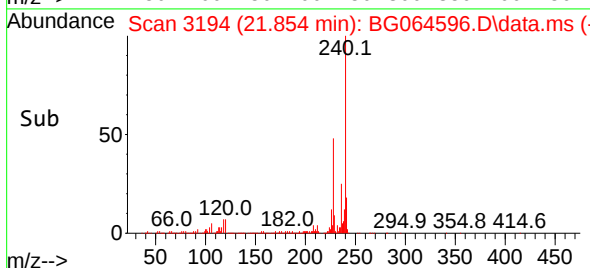
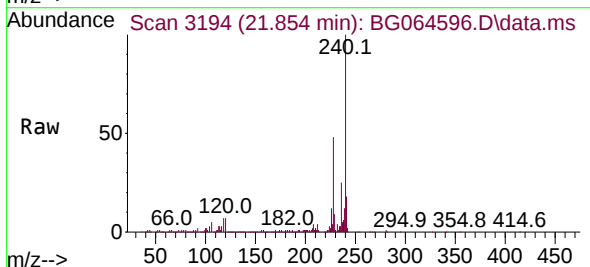
Manual Integrations
APPROVED

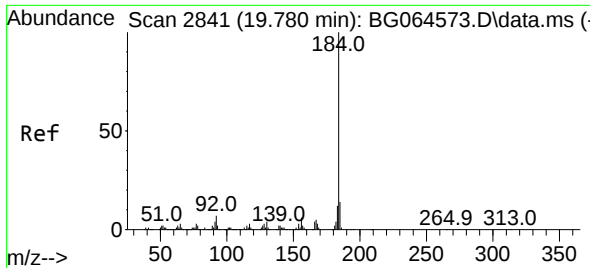
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3194
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

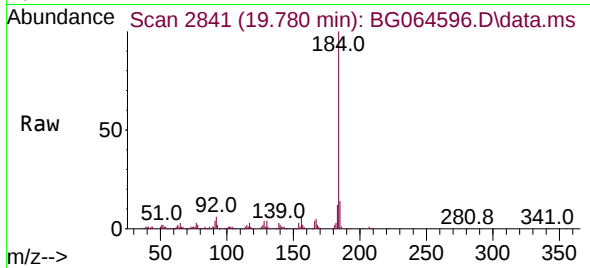
Tgt Ion:240 Resp: 301297
Ion Ratio Lower Upper
240 100
120 7.2 6.5 9.7
236 25.0 20.2 30.2





#77
Benzidine
Concen: 35.372 ng
RT: 19.780 min Scan# 2841
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

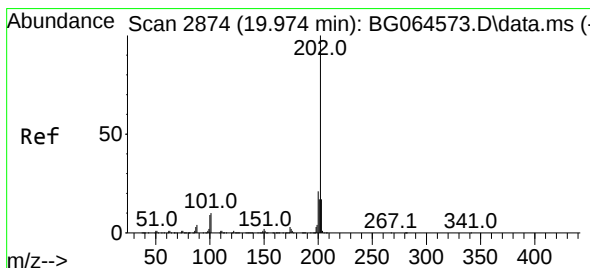
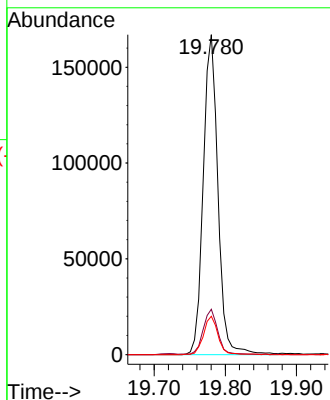
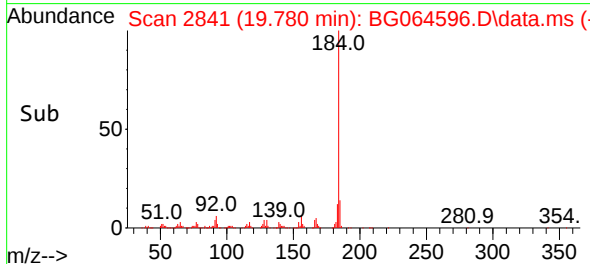
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



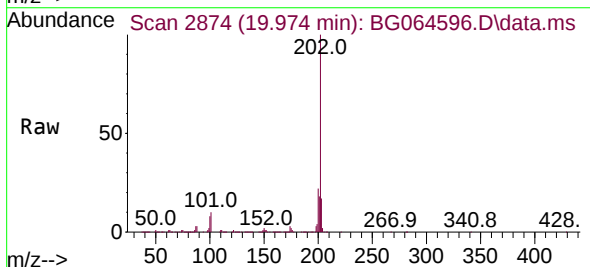
Tgt Ion:184 Resp: 238776
Ion Ratio Lower Upper
184 100
185 14.2 11.4 17.2
183 12.0 9.4 14.2

Manual Integrations
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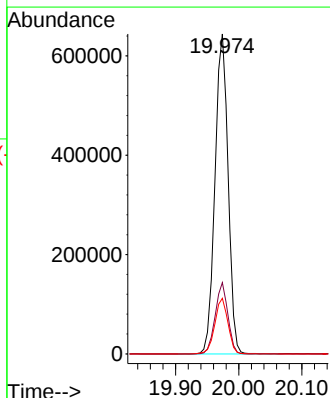
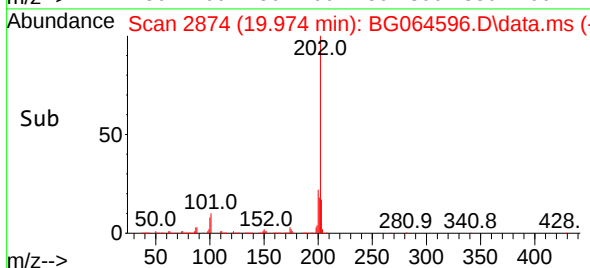
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

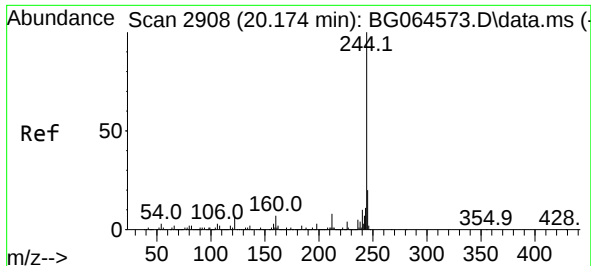


#78
Pyrene
Concen: 47.127 ng
RT: 19.974 min Scan# 2874
Delta R.T. 0.000 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50



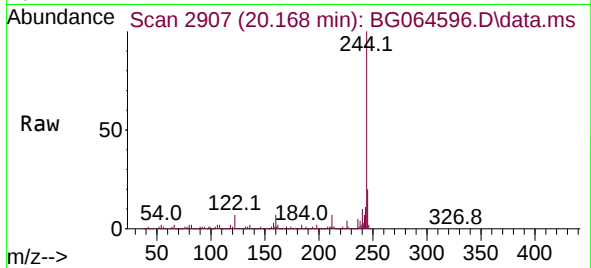
Tgt Ion:202 Resp: 927698
Ion Ratio Lower Upper
202 100
200 22.3 17.0 25.4
203 17.4 13.8 20.6





#79
 Terphenyl-d14
 Concen: 60.360 ng
 RT: 20.168 min Scan# 2907
 Delta R.T. -0.006 min
 Lab File: BG064596.D
 Acq: 27 Oct 2025 20:50

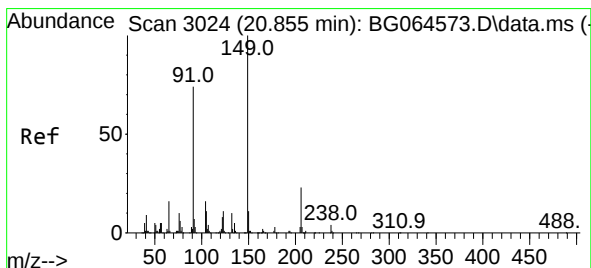
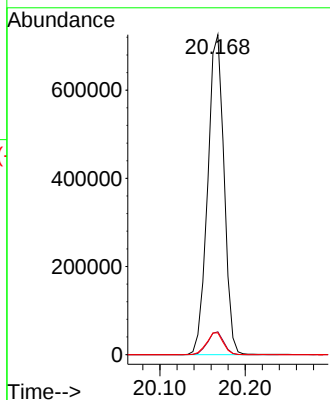
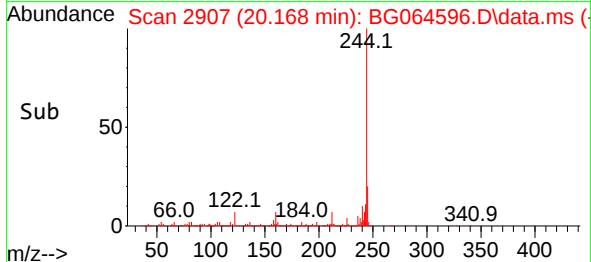
Instrument :
 BNA_G
 ClientSampleId :
 TP-11MSD



Tgt Ion:244 Resp: 963681
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 6.8 5.6 8.4

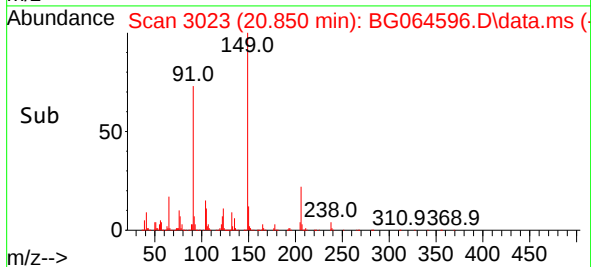
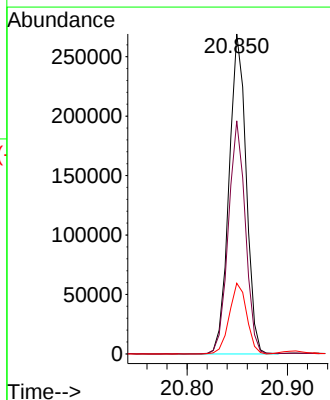
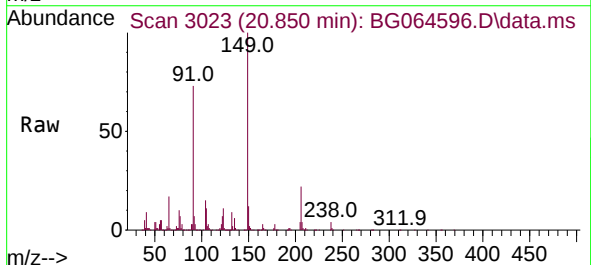
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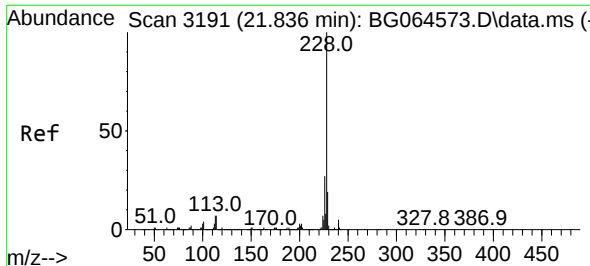
Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 11/05/2025



#80
 Butylbenzylphthalate
 Concen: 53.605 ng
 RT: 20.850 min Scan# 3023
 Delta R.T. -0.006 min
 Lab File: BG064596.D
 Acq: 27 Oct 2025 20:50

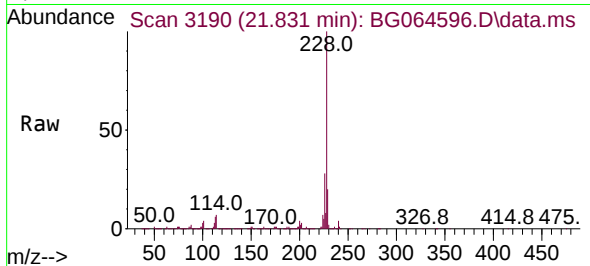
Tgt Ion:149 Resp: 318928
 Ion Ratio Lower Upper
 149 100
 91 72.8 59.2 88.8
 206 22.1 18.1 27.1





#81
Benzo(a)anthracene
Concen: 47.763 ng
RT: 21.831 min Scan# 3191
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

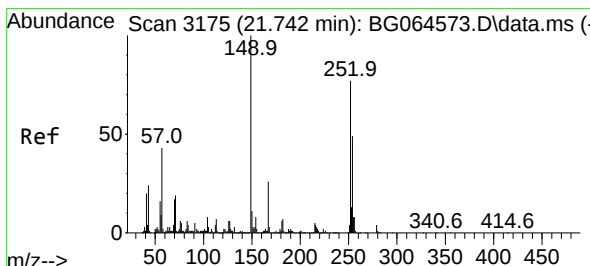
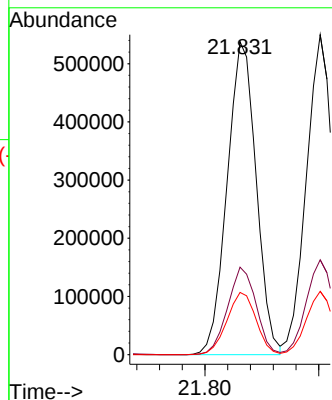
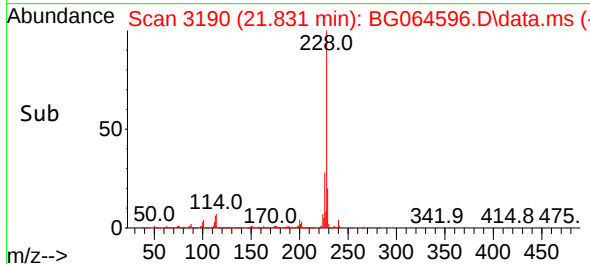
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



Tgt Ion:228 Resp: 954192
Ion Ratio Lower Upper
228 100
226 28.0 21.9 32.9
229 19.9 15.6 23.4

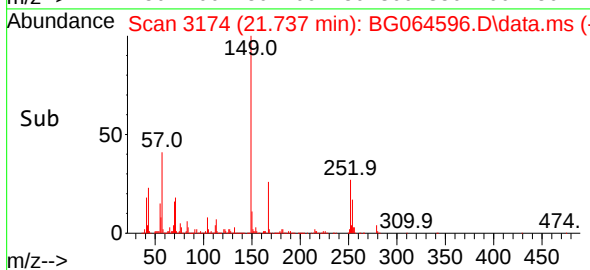
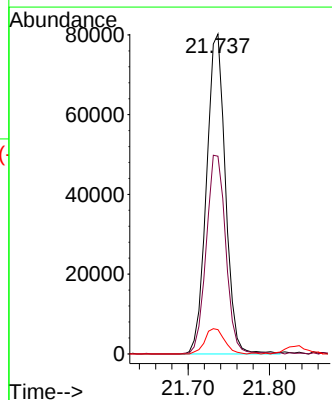
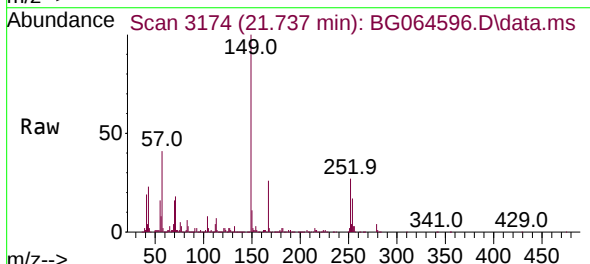
Manual Integrations
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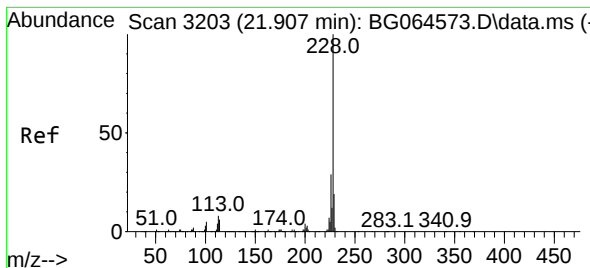
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#82
3,3'-Dichlorobenzidine
Concen: 19.458 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

Tgt Ion:252 Resp: 129807
Ion Ratio Lower Upper
252 100
254 61.8 50.8 76.2
126 7.6 5.8 8.6





#83

Chrysene

Concen: 47.606 ng

RT: 21.901 min Scan# 31

Delta R.T. -0.006 min

Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

Instrument :

BNA_G

ClientSampleId :

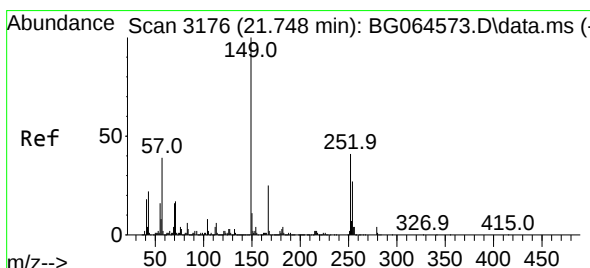
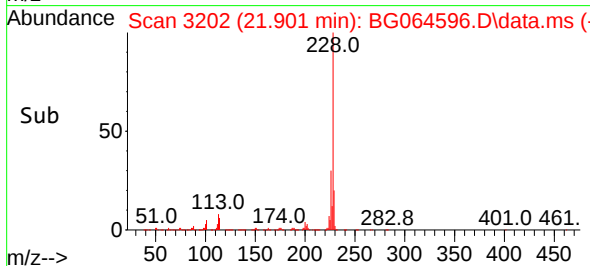
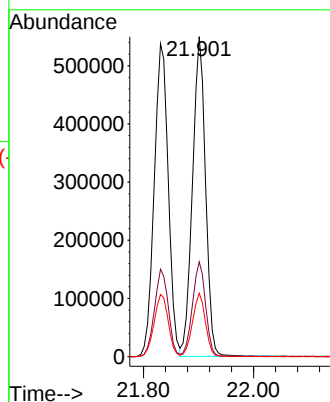
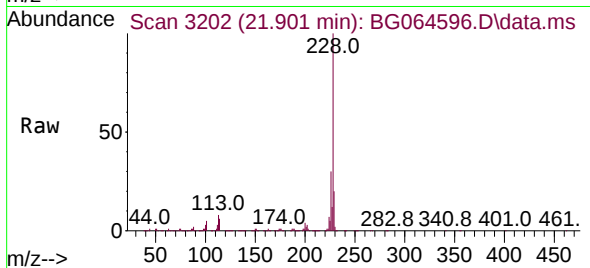
TP-11MSD

Tgt Ion:228 Resp: 90494
 Ion Ratio Lower Upper
 228 100
 226 29.6 23.3 34.9
 229 19.8 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 11/05/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.426 ng

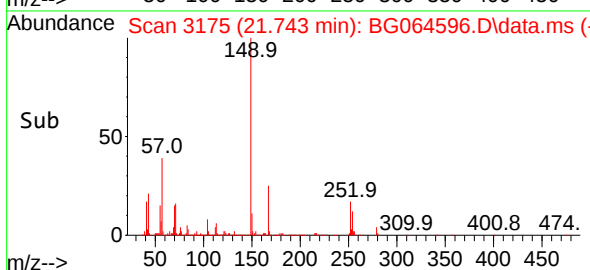
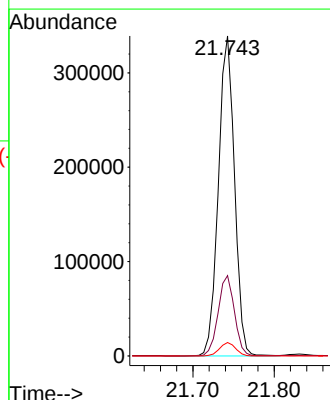
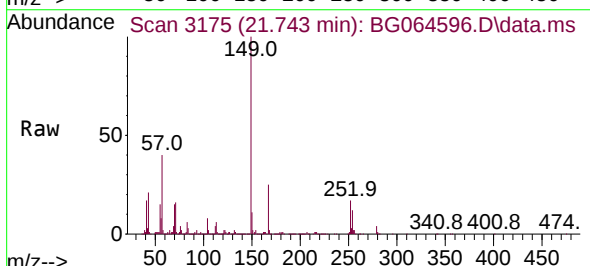
RT: 21.743 min Scan# 3175

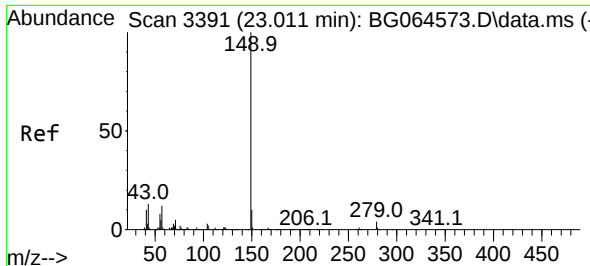
Delta R.T. -0.006 min

Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

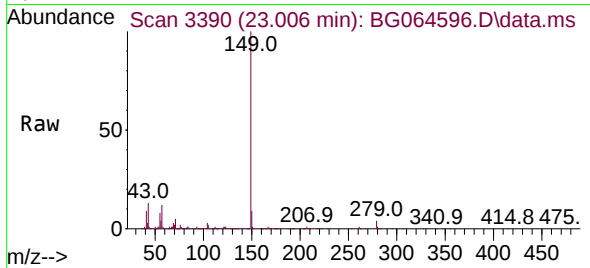
Tgt Ion:149 Resp: 466072
 Ion Ratio Lower Upper
 149 100
 167 25.1 20.0 30.0
 279 4.2 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 52.114 ng
RT: 23.006 min Scan# 3391
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

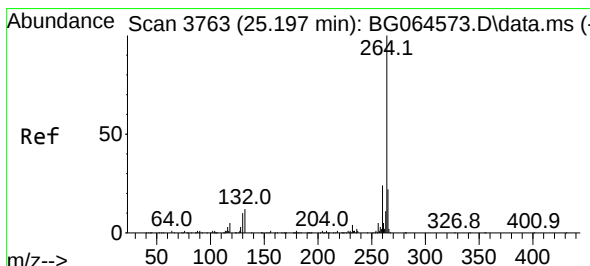
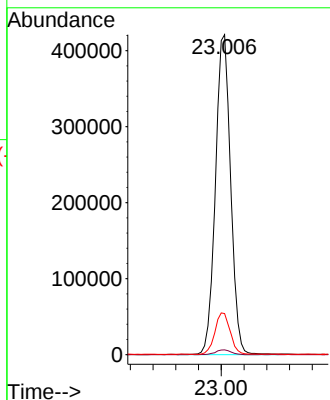
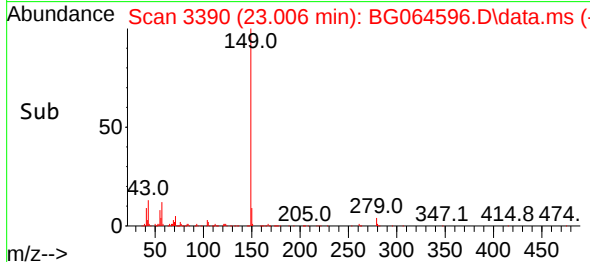
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



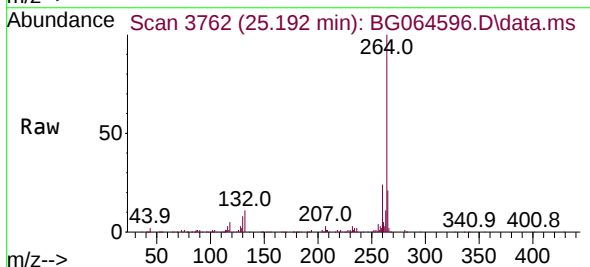
Tgt Ion:149 Resp: 781109
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 13.0 10.8 16.2

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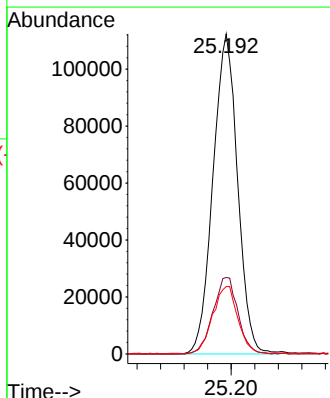
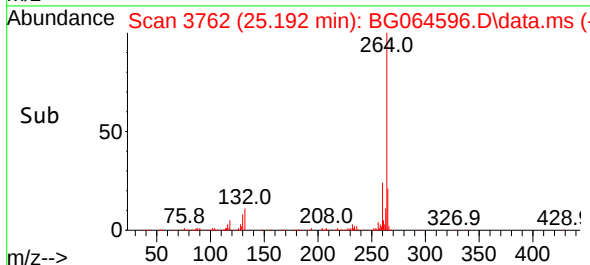
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025

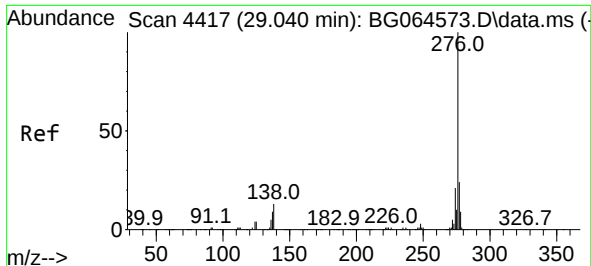


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.192 min Scan# 3762
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50



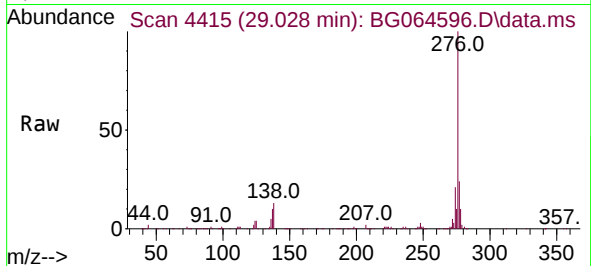
Tgt Ion:264 Resp: 325247
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 21.0 17.6 26.4





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 48.056 ng
 RT: 29.028 min Scan# 4417
 Delta R.T. -0.011 min
 Lab File: BG064596.D
 Acq: 27 Oct 2025 20:50

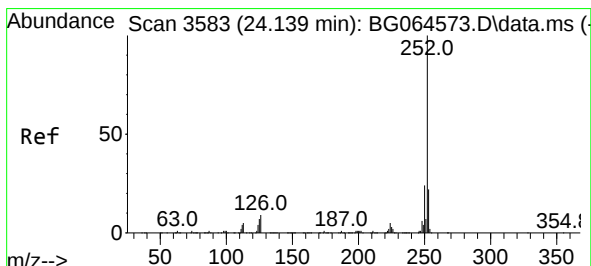
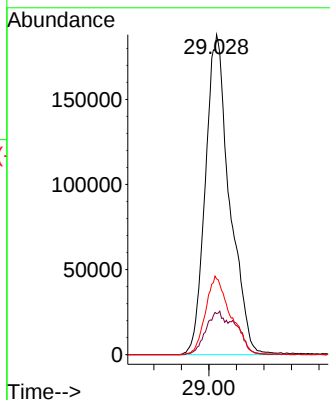
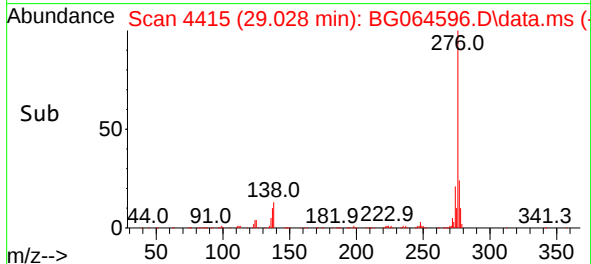
Instrument :
 BNA_G
 ClientSampleId :
 TP-11MSD



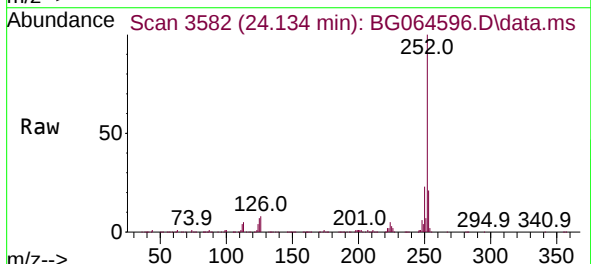
Tgt Ion:276 Resp: 1149794
 Ion Ratio Lower Upper
 276 100
 138 11.0 10.8 16.2
 277 25.4 20.1 30.1

Manual Integrations
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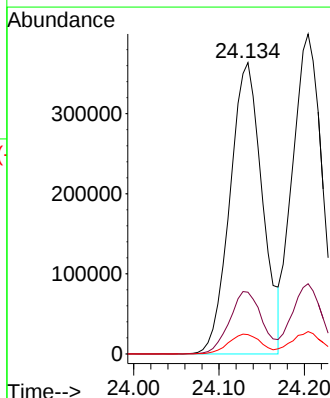
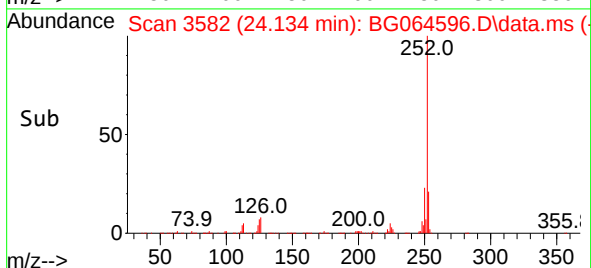
Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 11/05/2025

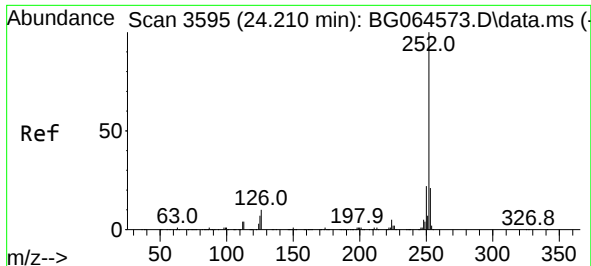


#88
 Benzo(b)fluoranthene
 Concen: 48.156 ng
 RT: 24.134 min Scan# 3582
 Delta R.T. -0.006 min
 Lab File: BG064596.D
 Acq: 27 Oct 2025 20:50



Tgt Ion:252 Resp: 960420
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.8 26.8
 125 6.6 5.6 8.4





#89

Benzo(k)fluoranthene

Concen: 48.582 ng

RT: 24.204 min Scan# 3594

Delta R.T. -0.006 min

Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

Instrument :

BNA_G

ClientSampleId :

TP-11MSD

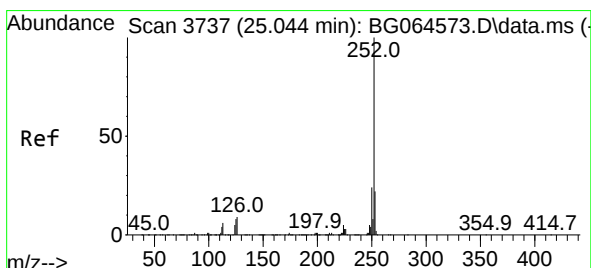
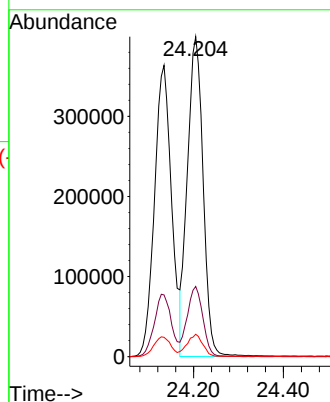
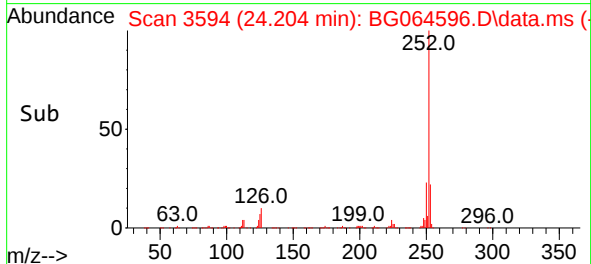
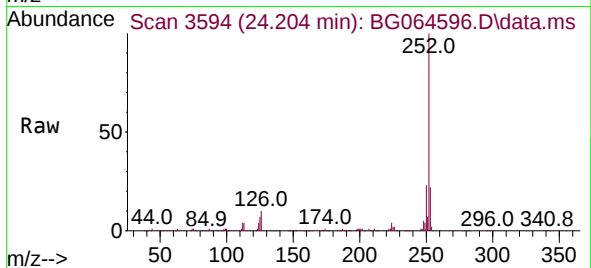
Tgt Ion:252 Resp: 969589
 Ion Ratio Lower Upper
 252 100
 253 21.9 16.8 25.2
 125 7.0 5.4 8.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :mohammad ahmed 11/05/2025



#90

Benzo(a)pyrene

Concen: 49.876 ng

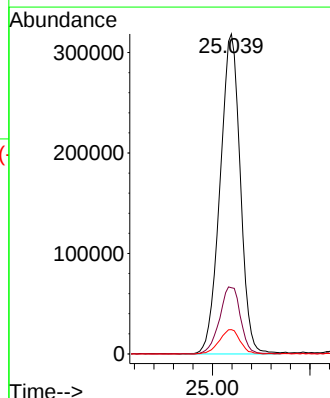
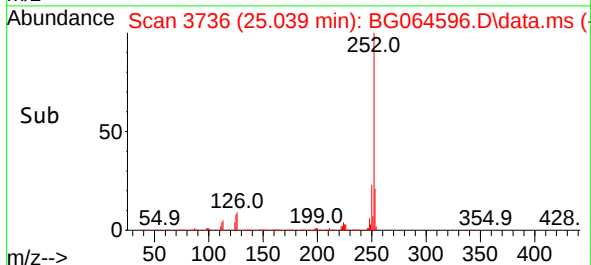
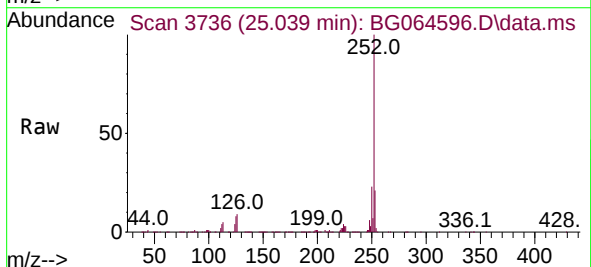
RT: 25.039 min Scan# 3736

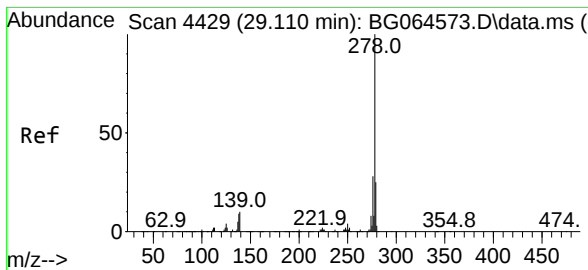
Delta R.T. -0.006 min

Lab File: BG064596.D

Acq: 27 Oct 2025 20:50

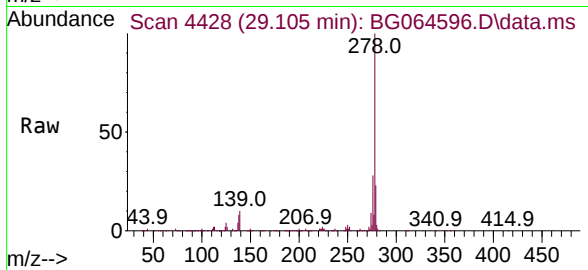
Tgt Ion:252 Resp: 914367
 Ion Ratio Lower Upper
 252 100
 253 20.7 17.6 26.4
 125 7.6 6.1 9.1





#91
Dibenzo(a,h)anthracene
Concen: 48.254 ng
RT: 29.105 min Scan# 4429
Delta R.T. -0.006 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50

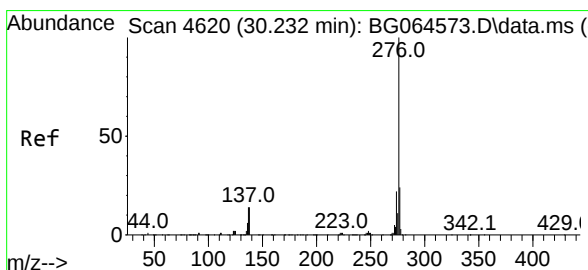
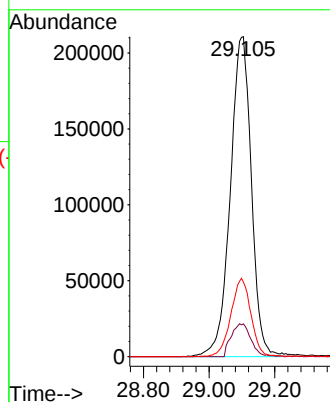
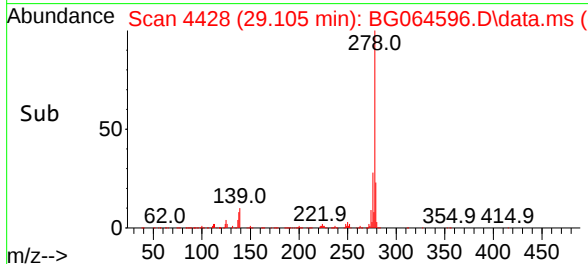
Instrument :
BNA_G
ClientSampleId :
TP-11MSD



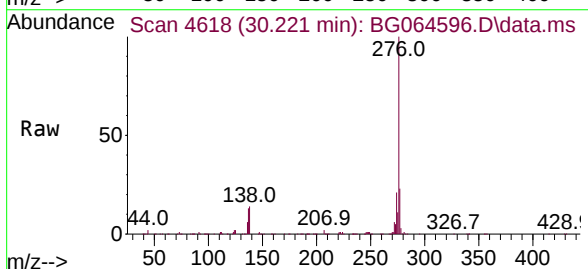
Tgt Ion:278 Resp: 937985
Ion Ratio Lower Upper
278 100
139 10.2 8.0 12.0
279 23.3 19.8 29.6

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 11/05/2025



#92
Benzo(g,h,i)perylene
Concen: 49.210 ng
RT: 30.221 min Scan# 4618
Delta R.T. -0.011 min
Lab File: BG064596.D
Acq: 27 Oct 2025 20:50



Tgt Ion:276 Resp: 913782
Ion Ratio Lower Upper
276 100
277 23.2 19.1 28.7
138 13.7 11.3 16.9

