

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121323\
 Data File : BG060004.D
 Acq On : 13 Dec 2023 20:05
 Operator : MA/JU
 Sample : PB157131BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB157131BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 14 03:02:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 14 01:47:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.956	152	60445	20.000	ng	0.00
21) Naphthalene-d8	10.764	136	225310	20.000	ng	0.00
39) Acenaphthene-d10	14.595	164	188063	20.000	ng	0.00
64) Phenanthrene-d10	17.339	188	615777	20.000	ng	0.00
76) Chrysene-d12	21.616	240	778293	20.000	ng	# 0.00
86) Perylene-d12	24.801	264	826973	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.524	112	492764	139.555	ng	0.00
7) Phenol-d6	7.116	99	714365	143.826	ng	0.00
23) Nitrobenzene-d5	9.119	82	415944	83.828	ng	0.00
42) 2,4,6-Tribromophenol	16.082	330	604913	138.022	ng	0.00
45) 2-Fluorobiphenyl	13.220	172	1264309	82.280	ng	0.00
79) Terphenyl-d14	19.965	244	3589514	84.202	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.432	88	44311	26.520	ng	91
3) Pyridine	3.820	79	117931	25.203	ng	92
4) n-Nitrosodimethylamine	3.737	42	76415	33.200	ng	96
6) Aniline	7.280	93	180798	35.738	ng	95
8) 2-Chlorophenol	7.515	128	150841	45.081	ng	99
9) Benzaldehyde	7.092	77	18564m	6.147	ng	
10) Phenol	7.139	94	267954	53.703	ng	95
11) bis(2-Chloroethyl)ether	7.374	93	162142	45.392	ng	99
12) 1,3-Dichlorobenzene	7.844	146	173400	38.753	ng	93
13) 1,4-Dichlorobenzene	7.991	146	173328m	37.226	ng	
14) 1,2-Dichlorobenzene	8.309	146	176034	39.297	ng	96
15) Benzyl Alcohol	8.185	79	181050	45.354	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.485	45	266345	41.669	ng	99
17) 2-Methylphenol	8.391	107	145130	43.628	ng	94
18) Hexachloroethane	9.037	117	54872	38.904	ng	96
19) n-Nitroso-di-n-propyla...	8.761	70	139108	43.410	ng	96
20) 3+4-Methylphenols	8.720	107	194501	41.860	ng	95
22) Acetophenone	8.779	105	276742	42.149	ng	# 96
24) Nitrobenzene	9.160	77	206334	40.960	ng	96
25) Isophorone	9.683	82	379920	40.006	ng	# 97
26) 2-Nitrophenol	9.866	139	86793	46.848	ng	93
27) 2,4-Dimethylphenol	9.924	122	132349	52.117	ng	97
28) bis(2-Chloroethoxy)met...	10.165	93	195823	39.938	ng	99
29) 2,4-Dichlorophenol	10.400	162	205487	45.053	ng	93
30) 1,2,4-Trichlorobenzene	10.623	180	255841	41.440	ng	96
31) Naphthalene	10.811	128	483759	41.244	ng	97
32) Benzoic acid	10.048	122	115131	49.841	ng	97
33) 4-Chloroaniline	10.917	127	101786	22.807	ng	97
34) Hexachlorobutadiene	11.099	225	217321	38.460	ng	91
35) Caprolactam	11.687	113	55652m	48.032	ng	
36) 4-Chloro-3-methylphenol	12.034	107	188166	45.362	ng	96
37) 2-Methylnaphthalene	12.415	142	369913	40.211	ng	97
38) 1-Methylnaphthalene	12.639	142	366710	40.355	ng	96
40) 1,2,4,5-Tetrachloroben...	12.786	216	431526	44.014	ng	98
41) Hexachlorocyclopentadiene	12.768	237	441646	109.026	ng	91
43) 2,4,6-Trichlorophenol	13.021	196	252360	45.907	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.091	196	273382	45.721	ng	97
46) 1,1'-Biphenyl	13.426	154	592876	42.509	ng	99
47) 2-Chloronaphthalene	13.467	162	500595	41.445	ng	98
48) 2-Nitroaniline	13.667	65	134860	51.723	ng	90
49) Acenaphthylene	14.313	152	765143	46.310	ng	100
50) Dimethylphthalate	14.049	163	661637	45.325	ng	98
51) 2,6-Dinitrotoluene	14.166	165	134341	44.426	ng	99
52) Acenaphthene	14.660	154	561429m	49.364	ng	
53) 3-Nitroaniline	14.495	138	76488	31.655	ng	90
54) 2,4-Dinitrophenol	14.695	184	245011	109.974	ng	# 90
55) Dibenzofuran	14.995	168	822896	44.454	ng	99
56) 4-Nitrophenol	14.795	139	209891	103.353	ng	88
57) 2,4-Dinitrotoluene	14.948	165	197526	46.468	ng	91
58) Fluorene	15.641	166	688739	44.123	ng	97
59) 2,3,4,6-Tetrachlorophenol	15.212	232	313839	50.423	ng	96
60) Diethylphthalate	15.418	149	618517	46.050	ng	99
61) 4-Chlorophenyl-phenyle...	15.635	204	494925	44.025	ng	100
62) 4-Nitroaniline	15.659	138	124393	47.276	ng	# 84
63) Azobenzene	15.929	77	587161	44.339	ng	97
65) 4,6-Dinitro-2-methylph...	15.712	198	170582	44.182	ng	92
66) n-Nitrosodiphenylamine	15.847	169	648572	43.114	ng	98
67) 4-Bromophenyl-phenylether	16.528	248	350703	40.366	ng	97
68) Hexachlorobenzene	16.646	284	415234	40.883	ng	98
70) Pentachlorophenol	16.987	266	595639	90.526	ng	91
71) Phenanthrene	17.386	178	1311302	43.964	ng	99
72) Anthracene	17.474	178	1341868	44.745	ng	98
73) Carbazole	17.744	167	1107481	43.458	ng	99
74) Di-n-butylphthalate	18.309	149	1062086	45.686	ng	100
75) Fluoranthene	19.395	202	1921828	44.155	ng	97
77) Benzidine	19.578	184	341531	34.164	ng	98
78) Pyrene	19.760	202	1989112	42.161	ng	99
80) Butylbenzylphthalate	20.659	149	403333	47.601	ng	98
81) Benzo(a)anthracene	21.593	228	2313331	44.249	ng	99
82) 3,3'-Dichlorobenzidine	21.511	252	664449	38.624	ng	98
83) Chrysene	21.658	228	2130589	43.016	ng	99
84) Bis(2-ethylhexyl)phtha...	21.511	149	597150	46.496	ng	99
85) Di-n-octyl phthalate	22.715	149	1054107	47.449	ng	100
87) Indeno(1,2,3-cd)pyrene	28.438	276	2790578	47.283	ng	# 94
88) Benzo(b)fluoranthene	23.790	252	2338032	45.778	ng	100
89) Benzo(k)fluoranthene	23.861	252	2344388	47.323	ng	99
90) Benzo(a)pyrene	24.654	252	2097664	46.358	ng	100
91) Dibenzo(a,h)anthracene	28.508	278	2413380	48.901	ng	# 96
92) Benzo(g,h,i)perylene	29.578	276	2234450	45.517	ng	98

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

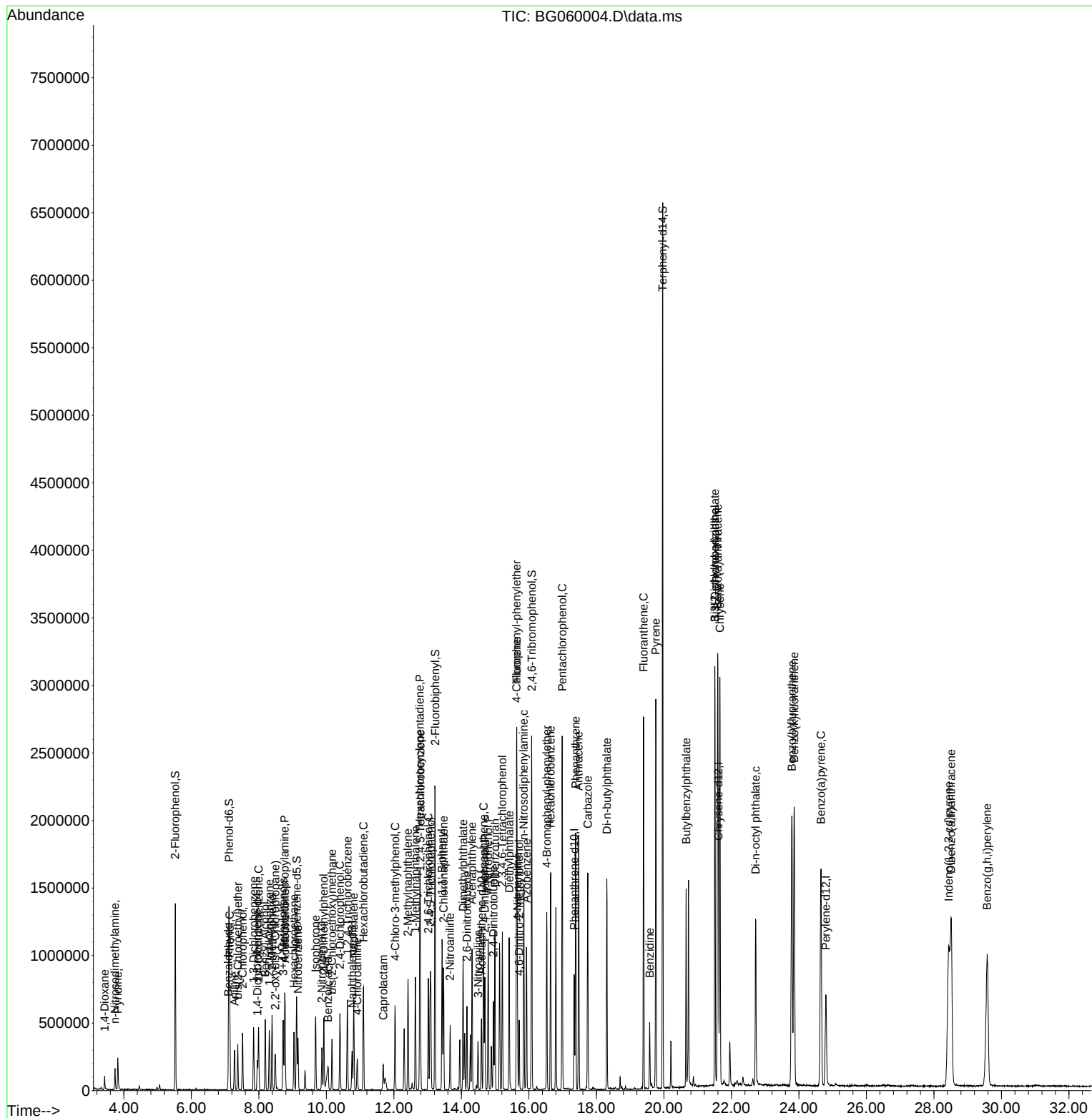
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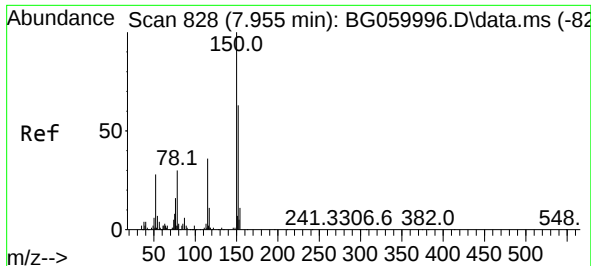
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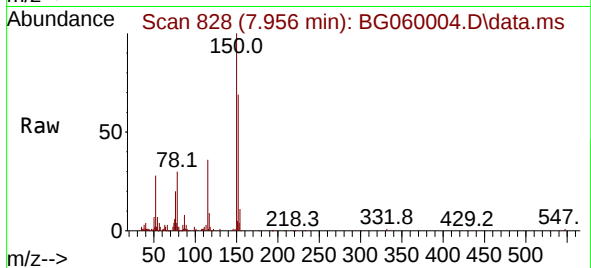
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.956 min Scan# 81
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

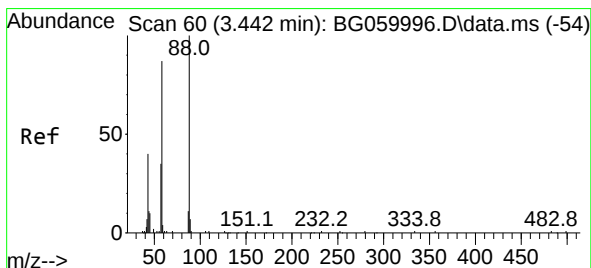
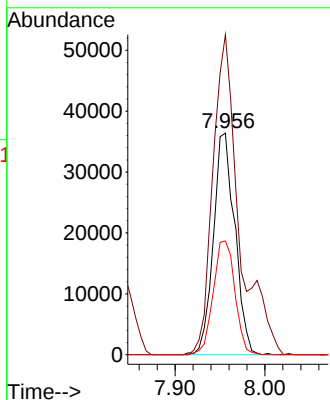
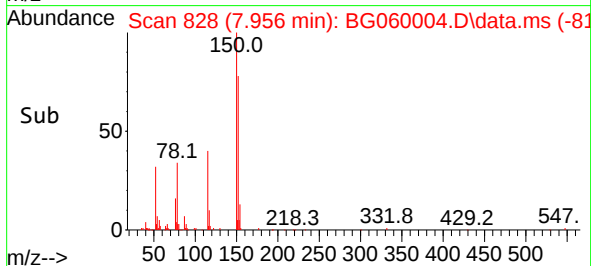
Instrument :
BNA_G
ClientSampleId :
PB157131BS



Tgt Ion:152 Resp: 6044
Ion Ratio Lower Upper
152 100
150 144.4 127.0 190.6
115 51.3 45.7 68.5

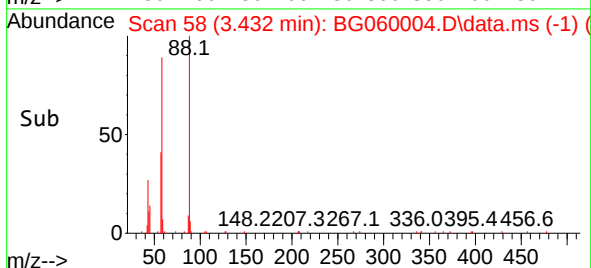
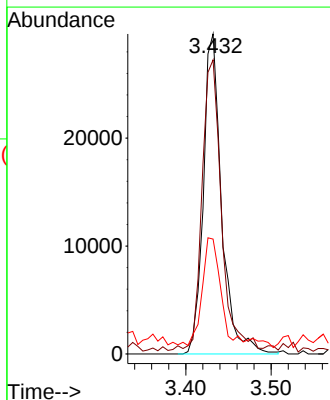
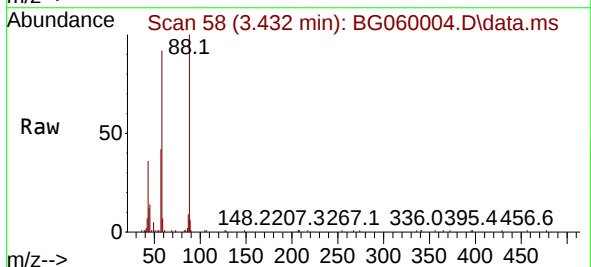
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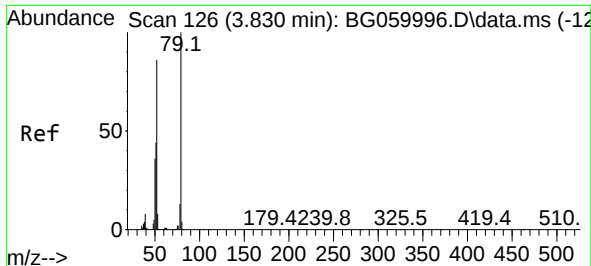
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#2
1,4-Dioxane
Concen: 26.520 ng
RT: 3.432 min Scan# 58
Delta R.T. -0.011 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion: 88 Resp: 44311
Ion Ratio Lower Upper
88 100
58 95.4 68.5 102.7
43 33.5 28.8 43.2





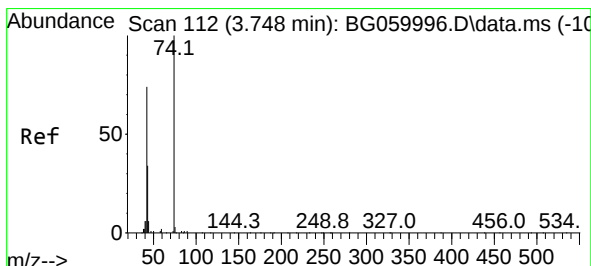
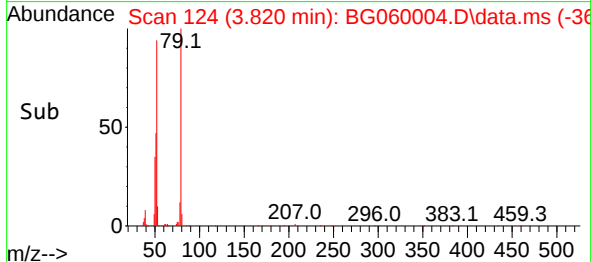
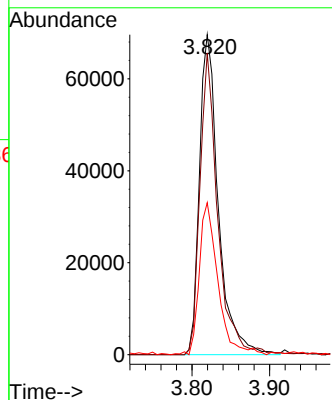
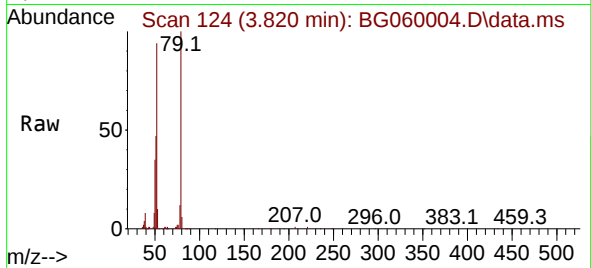
#3
Pyridine
Concen: 25.203 ng
RT: 3.820 min Scan# 11793
Delta R.T. -0.011 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :
BNA_G
ClientSampleId :
PB157131BS

Tgt Ion: 79 Resp: 11793
Ion Ratio Lower Upper
79 100
52 94.3 68.7 103.1
51 47.5 41.1 61.7

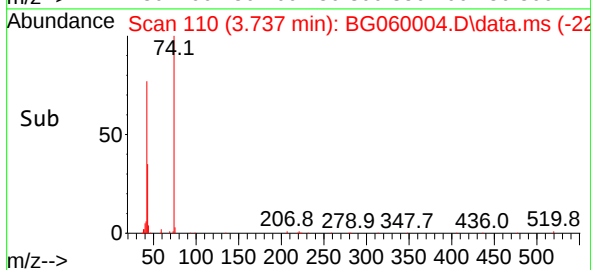
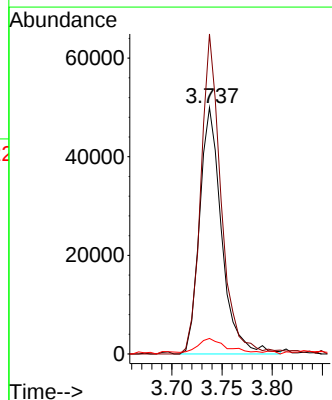
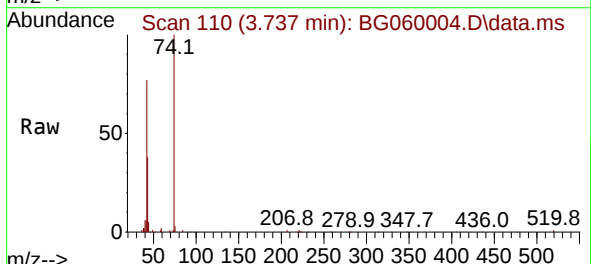
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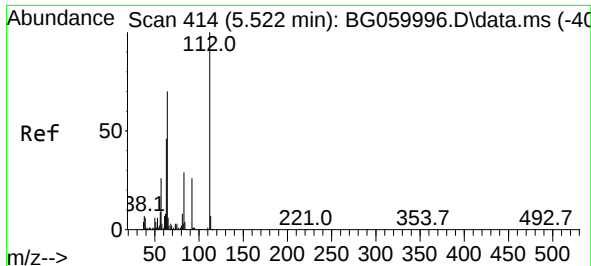
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#4
n-Nitrosodimethylamine
Concen: 33.200 ng
RT: 3.737 min Scan# 110
Delta R.T. -0.011 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion: 42 Resp: 76415
Ion Ratio Lower Upper
42 100
74 129.9 107.4 161.2
44 6.3 6.0 9.0





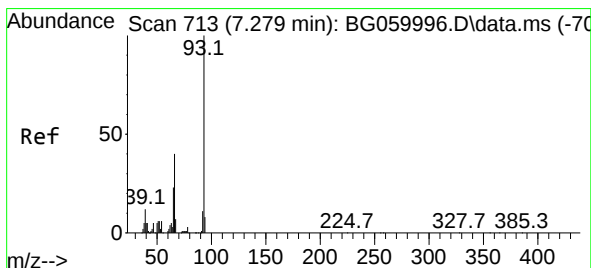
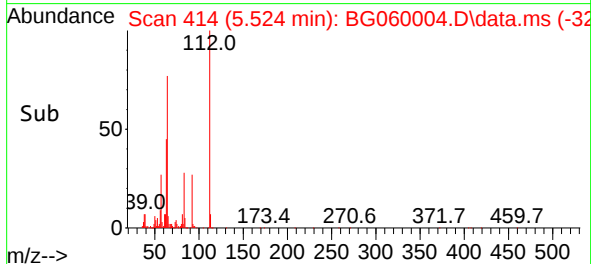
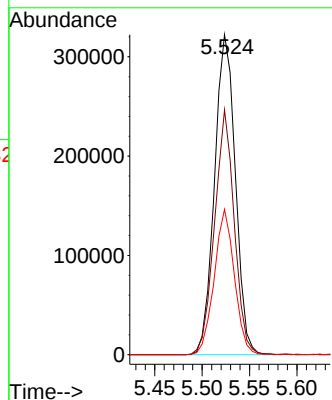
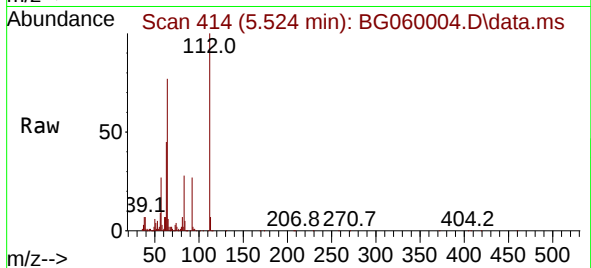
#5
2-Fluorophenol
Concen: 139.555 ng
RT: 5.524 min Scan# 414
Delta R.T. 0.002 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :
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ClientSampleId :
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Tgt Ion:112 Resp: 492764
Ion Ratio Lower Upper
112 100
64 76.5 55.9 83.9
63 45.4 36.5 54.7

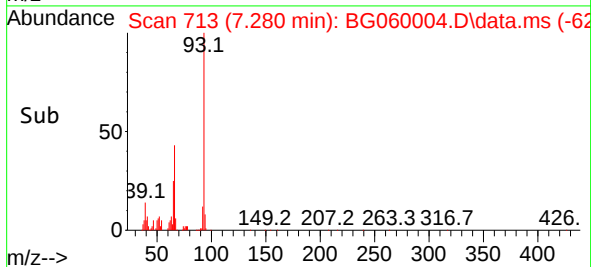
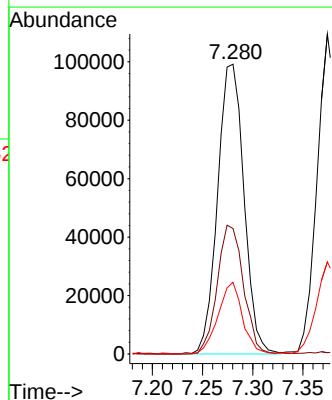
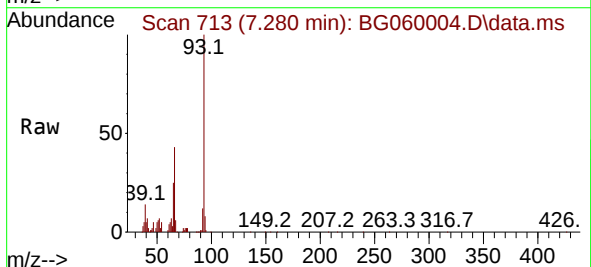
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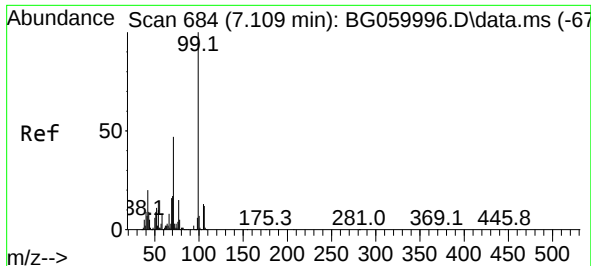
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#6
Aniline
Concen: 35.738 ng
RT: 7.280 min Scan# 713
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

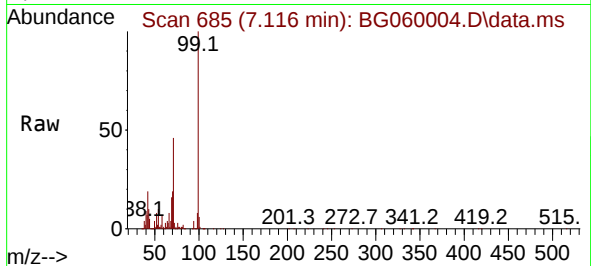
Tgt Ion: 93 Resp: 180798
Ion Ratio Lower Upper
93 100
66 43.3 31.8 47.8
65 24.8 18.6 28.0





#7
Phenol-d6
Concen: 143.826 ng
RT: 7.116 min Scan# 61
Delta R.T. 0.007 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

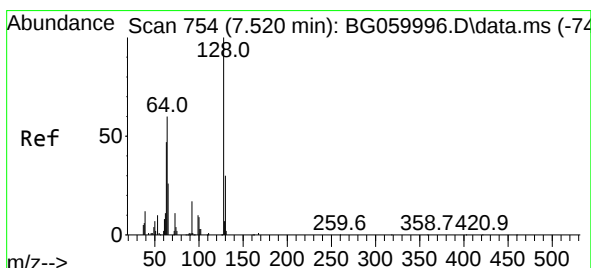
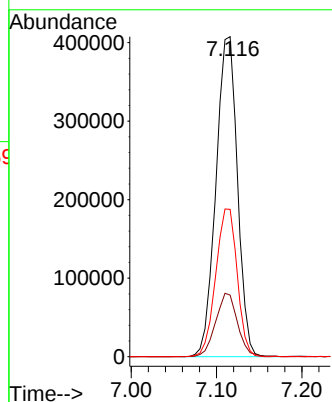
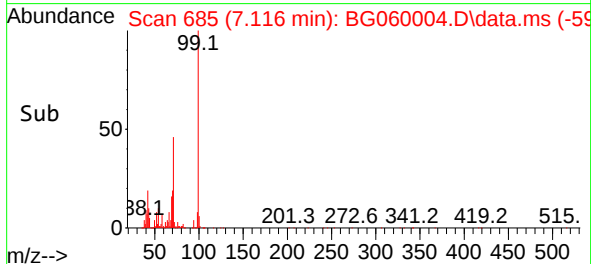
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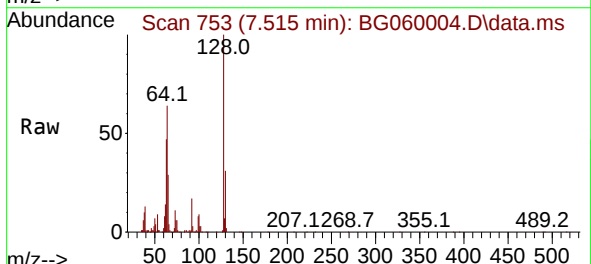
Tgt Ion: 99 Resp: 71436
Ion Ratio Lower Upper
99 100
42 19.2 16.2 24.4
71 46.1 37.6 56.4

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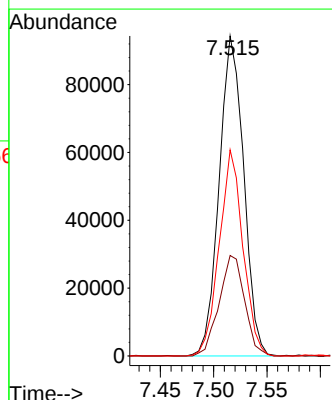
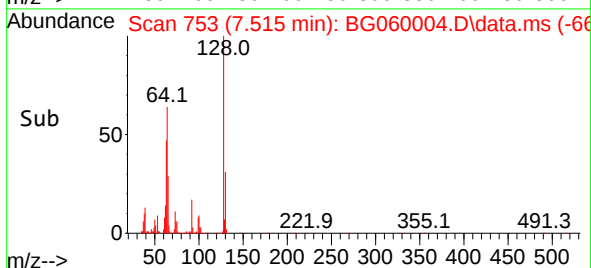
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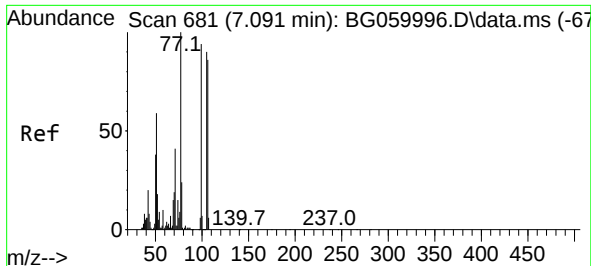


#8
2-Chlorophenol
Concen: 45.081 ng
RT: 7.515 min Scan# 753
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05



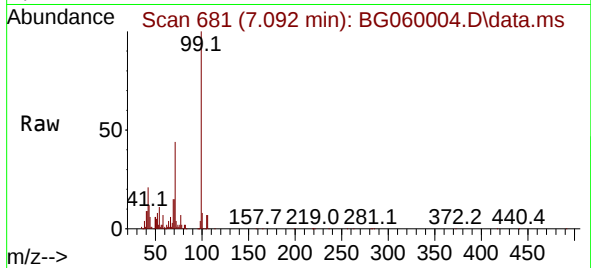
Tgt Ion:128 Resp: 150841
Ion Ratio Lower Upper
128 100
130 31.4 10.3 50.3
64 64.4 44.2 84.2





#9
Benzaldehyde
Concen: 6.147 ng m
RT: 7.092 min Scan# 681
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

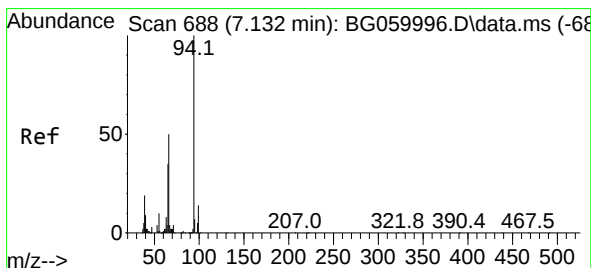
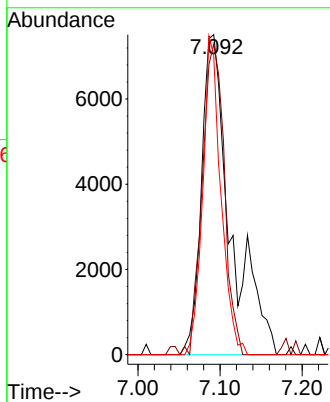
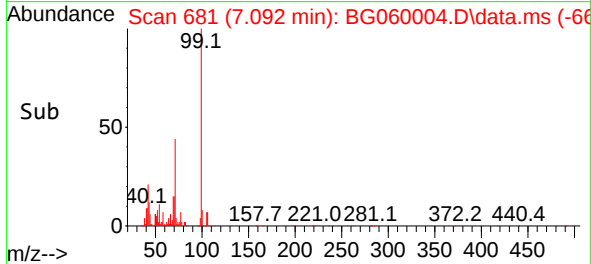
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Tgt Ion: 77 Resp: 18564
Ion Ratio Lower Upper
77 100
105 97.1 70.5 110.5
106 93.6 66.0 106.0

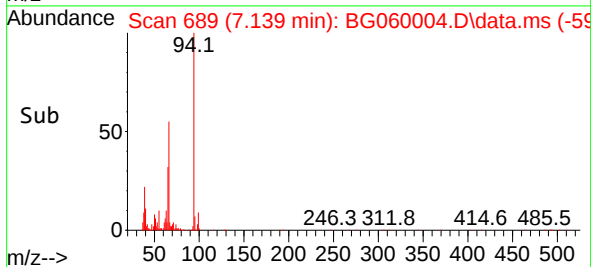
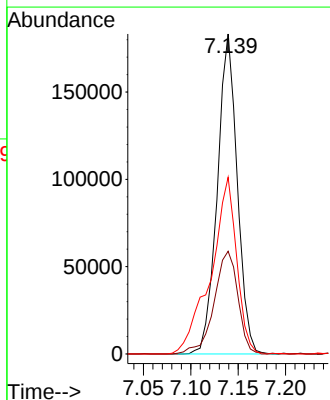
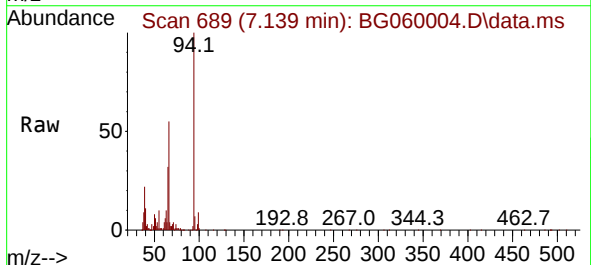
Manual Integrations
APPROVED

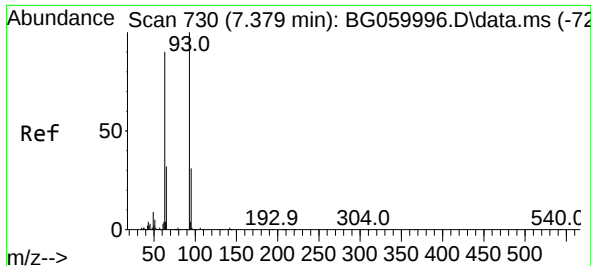
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#10
Phenol
Concen: 53.703 ng
RT: 7.139 min Scan# 689
Delta R.T. 0.007 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion: 94 Resp: 267954
Ion Ratio Lower Upper
94 100
65 32.1 15.5 55.5
66 55.2 31.6 71.6





#11
bis(2-Chloroethyl)ether
Concen: 45.392 ng
RT: 7.374 min Scan# 71
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

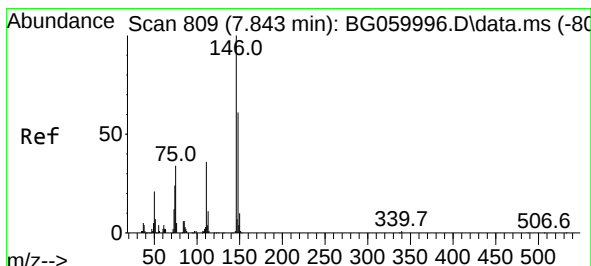
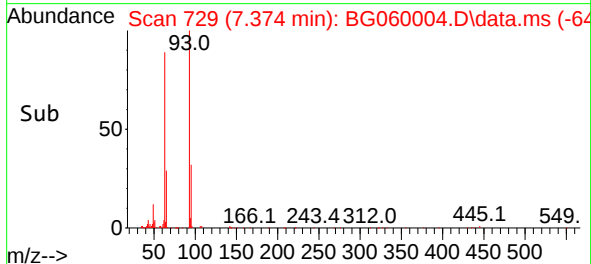
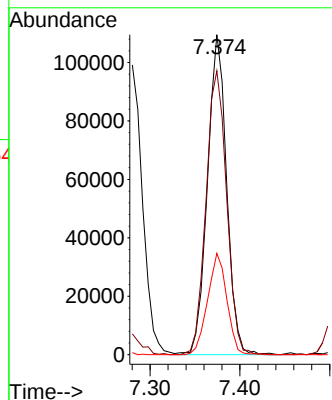
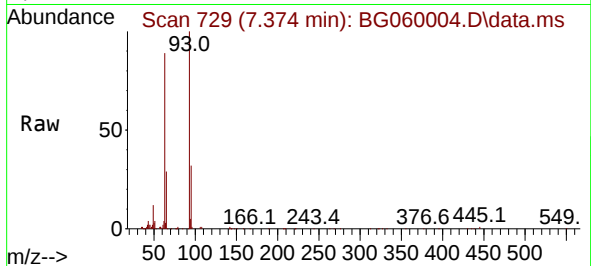
ClientSampleId :

PB157131BS

Tgt Ion: 93 Resp: 16214
Ion Ratio Lower Upper
93 100
63 88.7 69.8 109.8
95 31.6 10.7 50.7

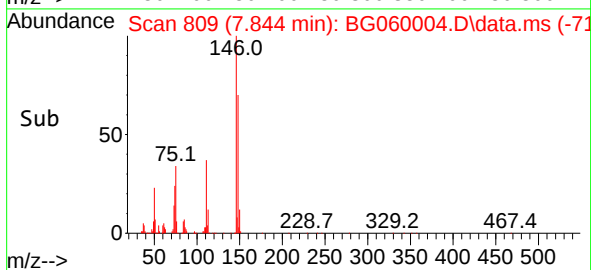
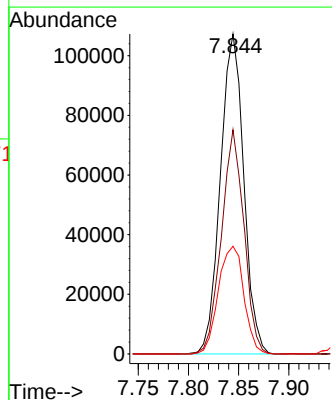
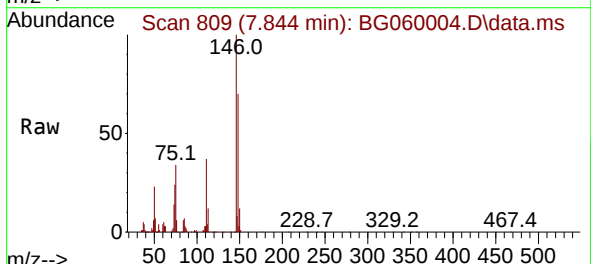
Manual Integrations
APPROVED

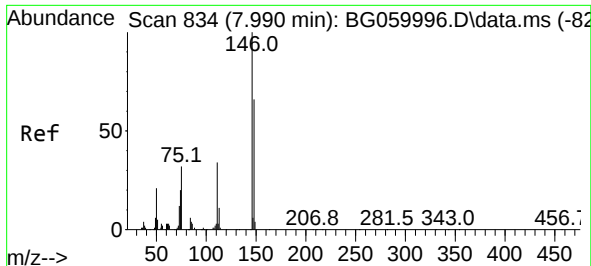
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#12
1,3-Dichlorobenzene
Concen: 38.753 ng
RT: 7.844 min Scan# 809
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion:146 Resp: 173400
Ion Ratio Lower Upper
146 100
148 70.1 49.1 73.7
75 33.7 27.0 40.6





#13
1,4-Dichlorobenzene
Concen: 37.226 ng m
RT: 7.991 min Scan# 834
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

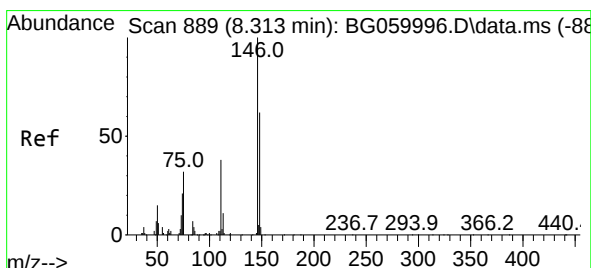
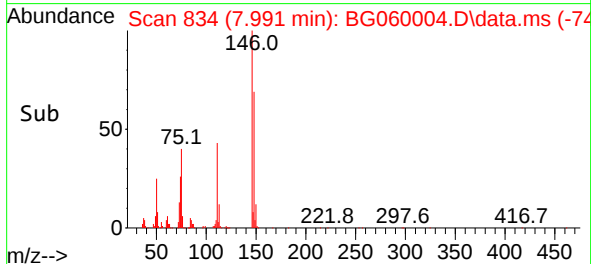
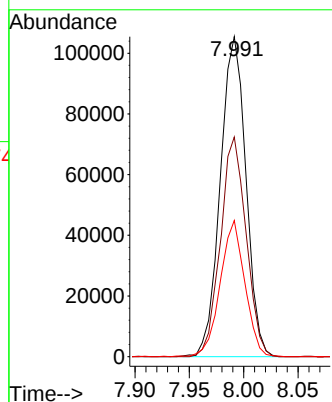
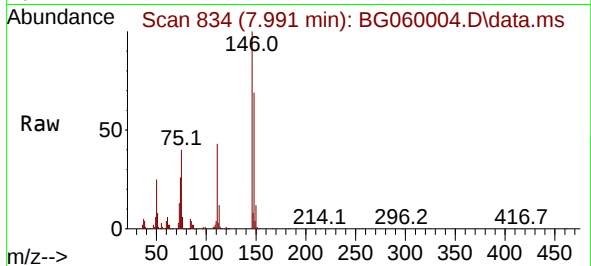
ClientSampleId :

PB157131BS

Tgt Ion:146 Resp: 173328
Ion Ratio Lower Upper
146 100
148 68.6 52.9 79.3
111 42.6 27.6 41.4

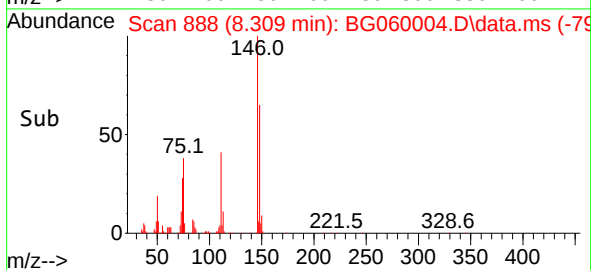
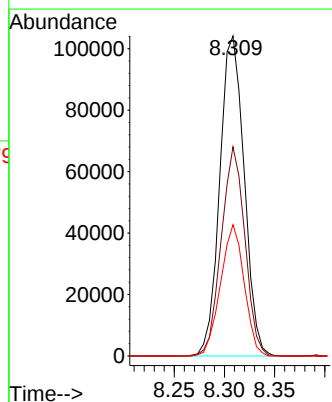
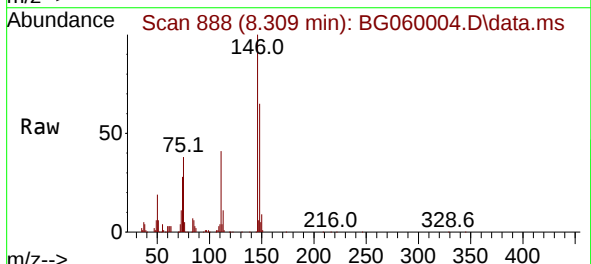
Manual Integrations
APPROVED

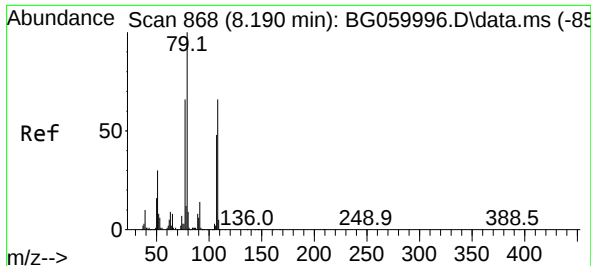
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#14
1,2-Dichlorobenzene
Concen: 39.297 ng
RT: 8.309 min Scan# 888
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion:146 Resp: 176034
Ion Ratio Lower Upper
146 100
148 65.3 49.7 74.5
111 41.0 30.9 46.3





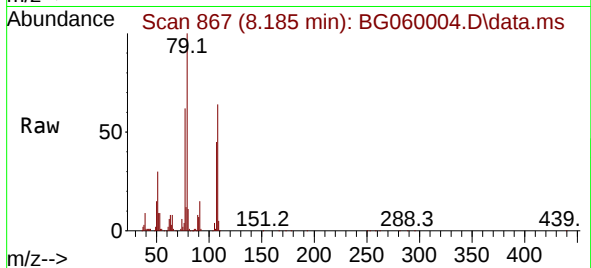
#15
Benzyl Alcohol
Concen: 45.354 ng
RT: 8.185 min Scan# 80
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

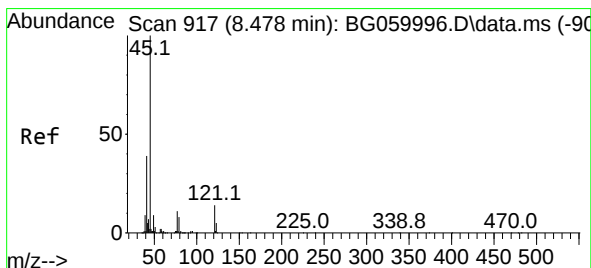
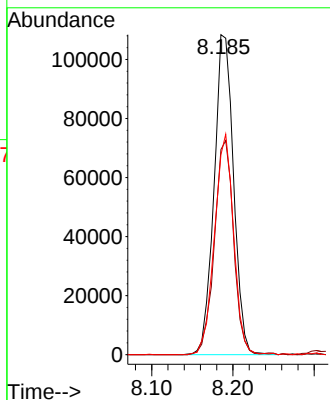
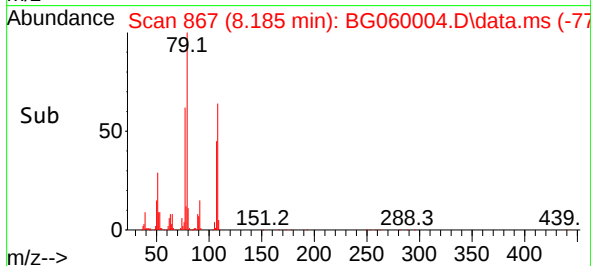
PB157131BS



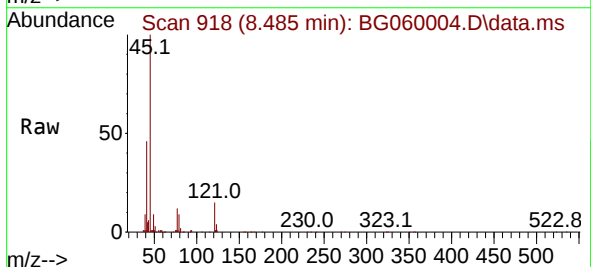
Tgt Ion: 79 Resp: 181050
Ion Ratio Lower Upper
79 100
108 64.1 53.1 79.7
77 62.4 52.8 79.2

Manual Integrations
APPROVED

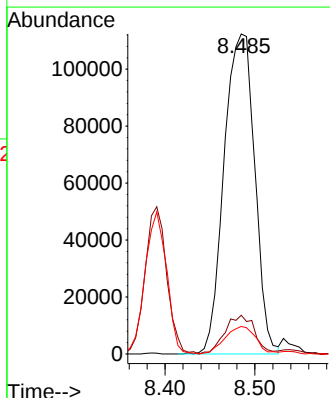
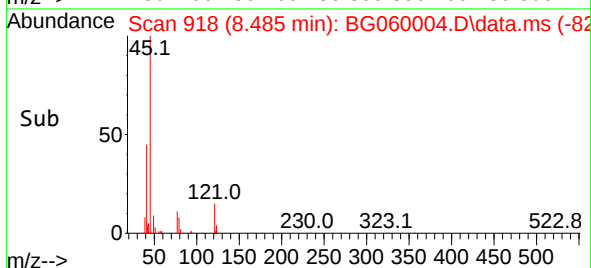
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

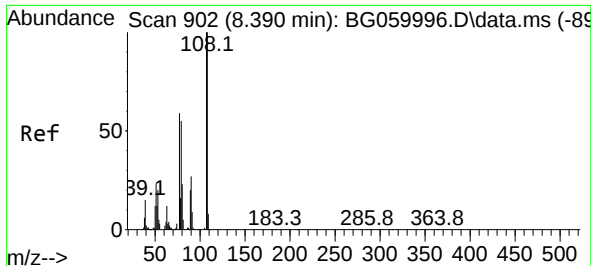


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.669 ng
RT: 8.485 min Scan# 918
Delta R.T. 0.007 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05



Tgt Ion: 45 Resp: 266345
Ion Ratio Lower Upper
45 100
77 12.1 0.0 31.7
79 8.6 0.0 28.7





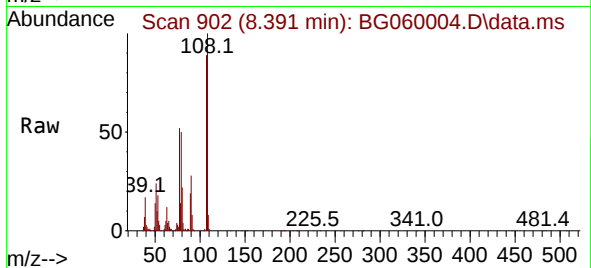
#17
2-Methylphenol
Concen: 43.628 ng
RT: 8.391 min Scan# 90
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

PB157131BS

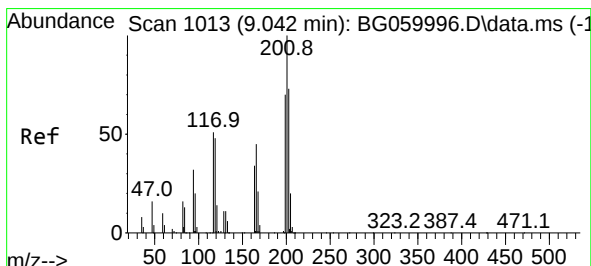
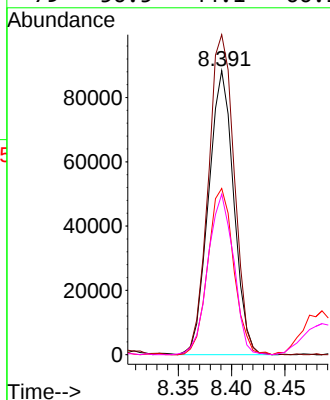
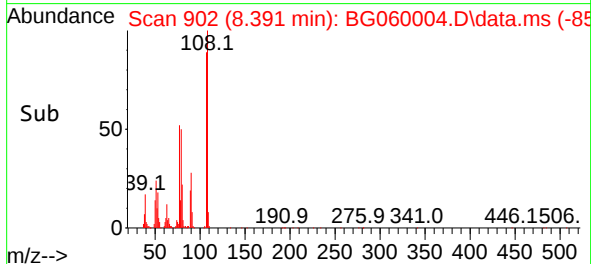


Tgt Ion:107 Resp: 145130
Ion Ratio Lower Upper
107 100
108 112.6 80.7 121.1
77 58.5 47.8 71.6
79 56.5 44.1 66.1

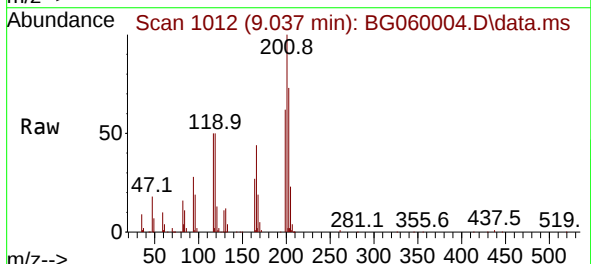
Manual Integrations

APPROVED

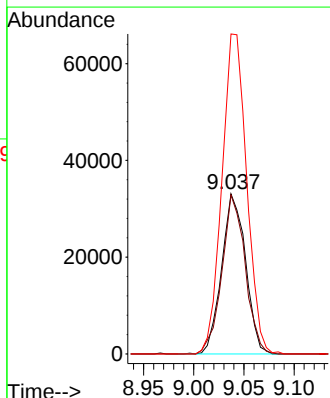
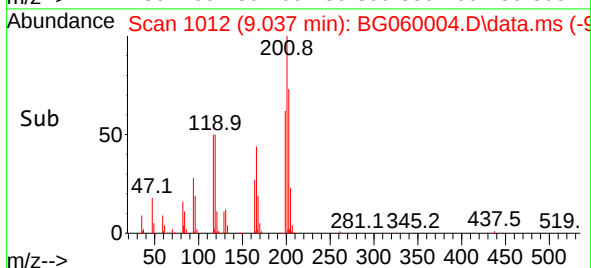
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

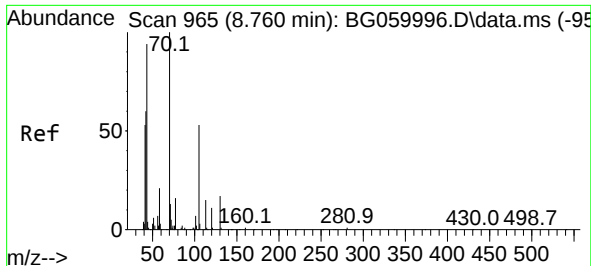


#18
Hexachloroethane
Concen: 38.904 ng
RT: 9.037 min Scan# 1012
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05



Tgt Ion:117 Resp: 54872
Ion Ratio Lower Upper
117 100
119 99.3 74.5 111.7
201 199.9 156.5 234.7





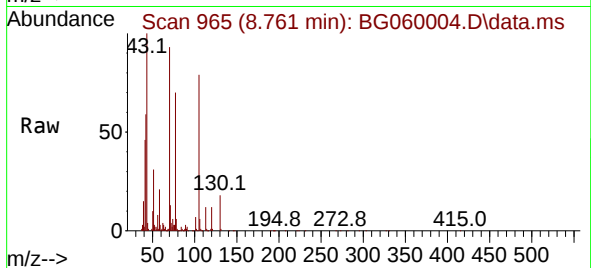
#19
n-Nitroso-di-n-propylamine
Concen: 43.410 ng
RT: 8.761 min Scan# 965
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

PB157131BS

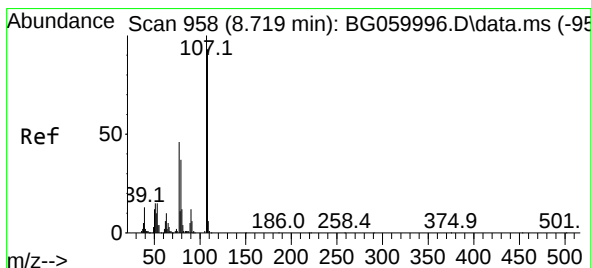
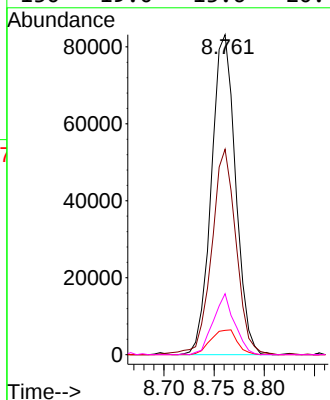
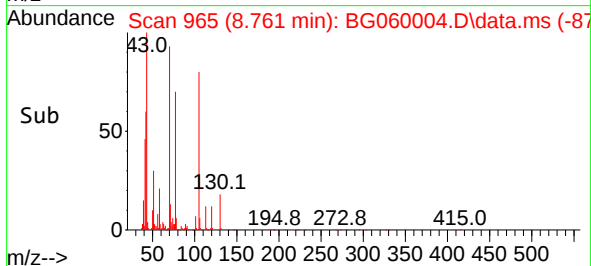


Tgt Ion: 70 Resp: 139108
Ion Ratio Lower Upper
70 100
42 64.2 48.6 73.0
101 7.6 5.7 8.5
130 19.0 13.6 20.4

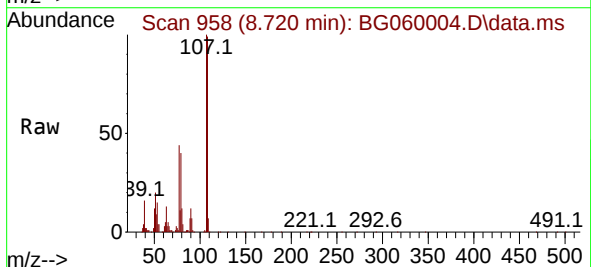
Manual Integrations

APPROVED

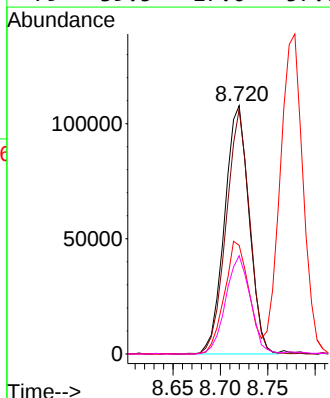
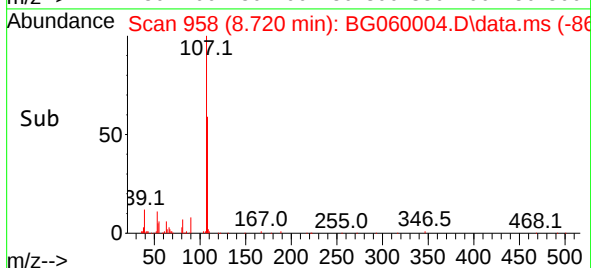
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

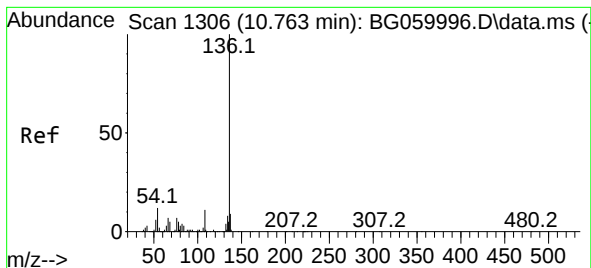


#20
3+4-Methylphenols
Concen: 41.860 ng
RT: 8.720 min Scan# 958
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05



Tgt Ion:107 Resp: 194501
Ion Ratio Lower Upper
107 100
108 98.6 72.8 112.8
77 43.8 25.6 65.6
79 39.5 17.0 57.0





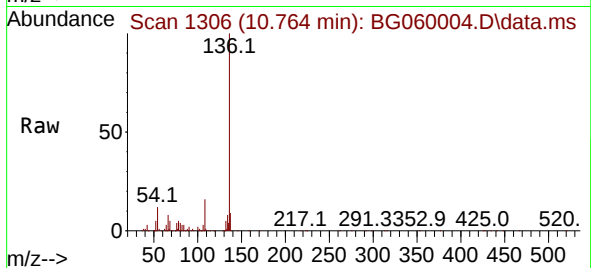
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.764 min Scan# 1306
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

PB157131BS

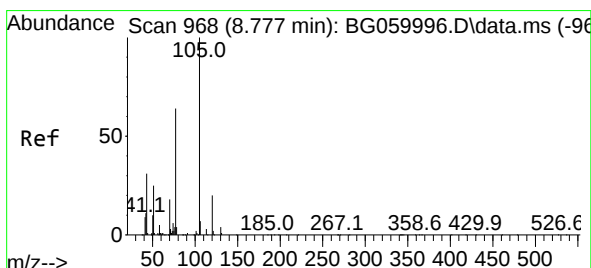
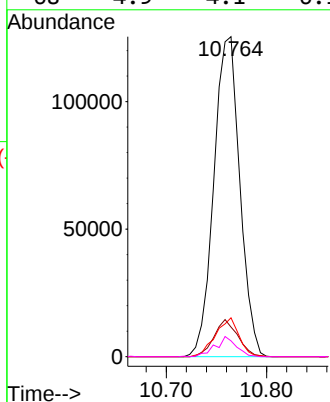
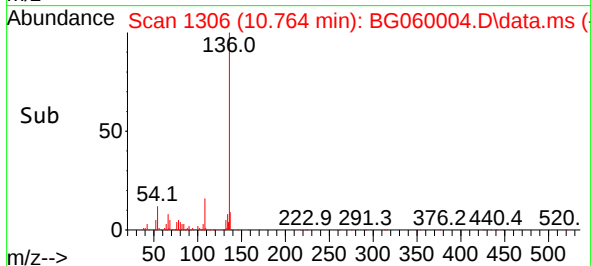


Tgt Ion:	136	Resp:	225310
Ion Ratio	Lower	Upper	
136	100		
137	9.3	7.3	10.9
54	12.2	9.6	14.4
68	4.9	4.1	6.1

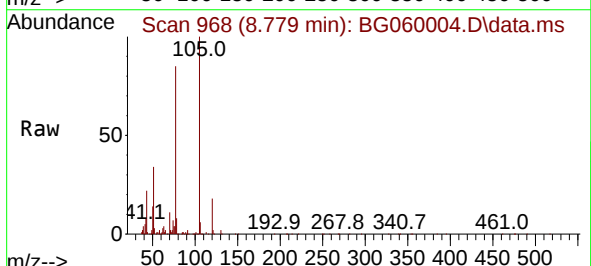
Manual Integrations

APPROVED

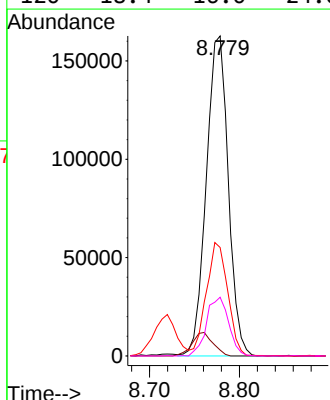
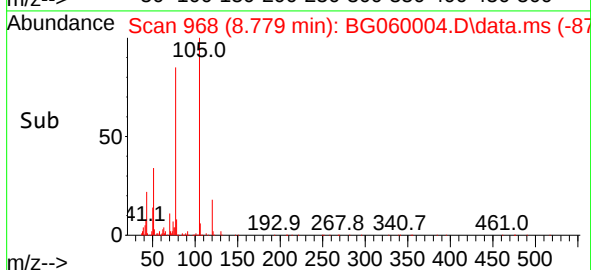
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

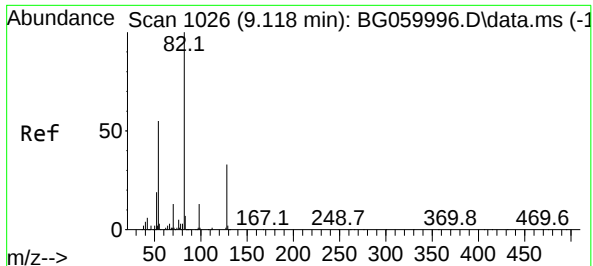


#22
Acetophenone
Concen: 42.149 ng
RT: 8.779 min Scan# 968
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05



Tgt Ion:	105	Resp:	276742
Ion Ratio	Lower	Upper	
105	100		
71	1.8	2.1	3.1
51	33.9	25.4	38.0
120	18.4	16.0	24.0





#23

Nitrobenzene-d5

Concen: 83.828 ng

RT: 9.119 min Scan# 1026

Delta R.T. 0.001 min

Lab File: BG060004.D

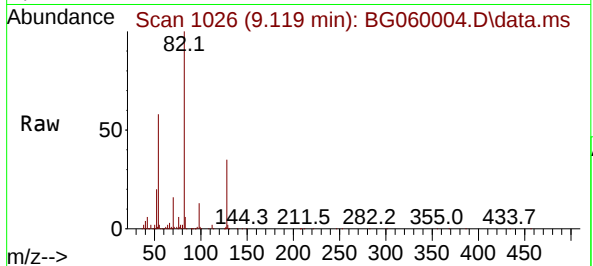
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

PB157131BS



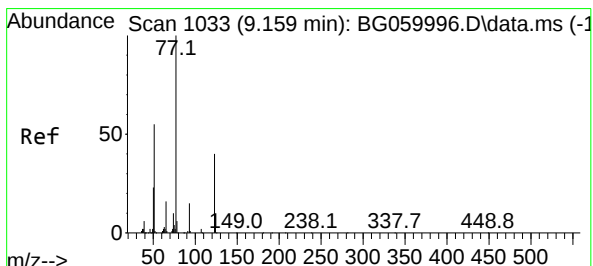
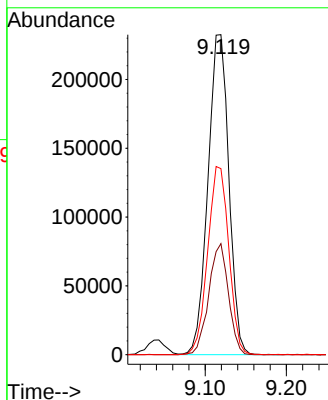
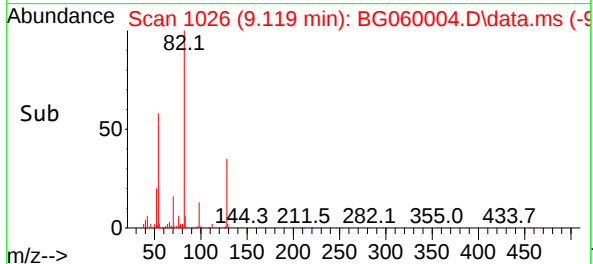
Tgt Ion:	82	Resp:	41594
Ion	Ratio	Lower	Upper
82	100		
128	34.7	26.3	39.5
54	58.2	44.3	66.5

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#24

Nitrobenzene

Concen: 40.960 ng

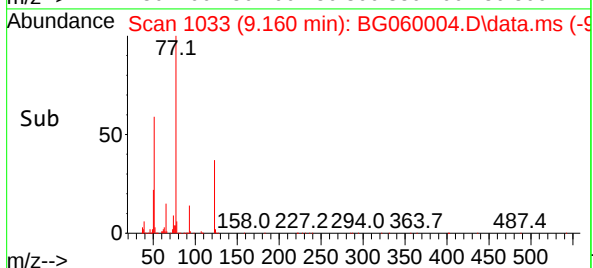
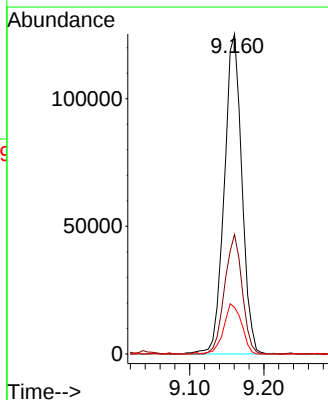
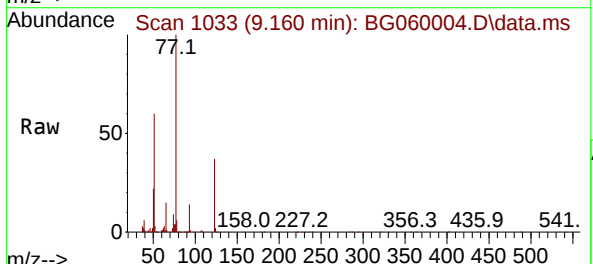
RT: 9.160 min Scan# 1033

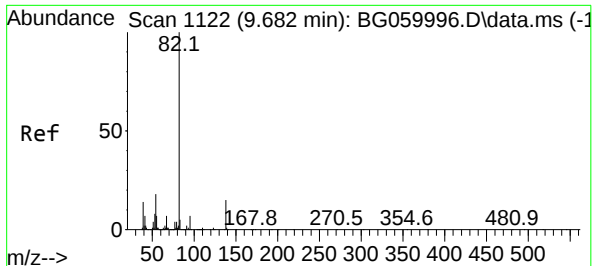
Delta R.T. 0.001 min

Lab File: BG060004.D

Acq: 13 Dec 2023 20:05

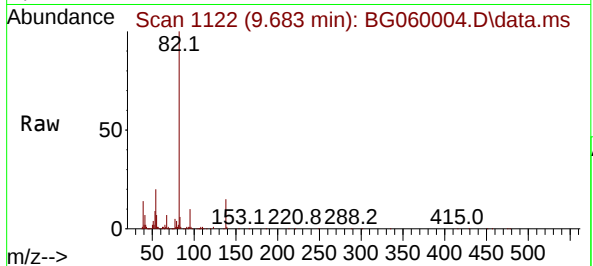
Tgt Ion:	77	Resp:	206334
Ion	Ratio	Lower	Upper
77	100		
123	37.4	32.1	48.1
65	14.5	13.0	19.4





#25
Isophorone
Concen: 40.006 ng
RT: 9.683 min Scan# 1122
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

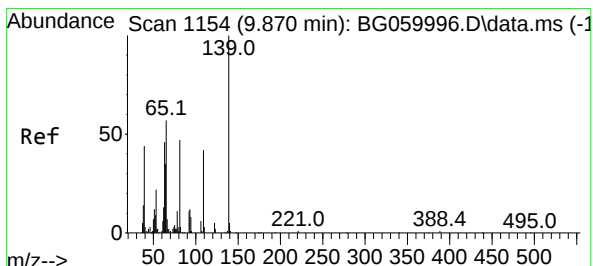
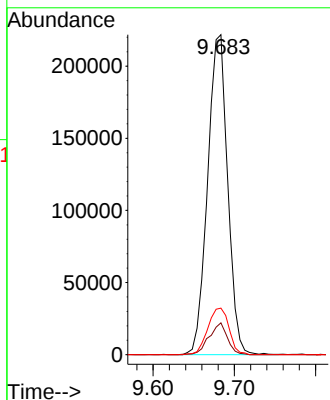
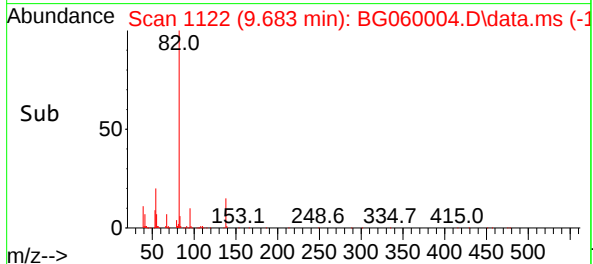
Instrument :
BNA_G
ClientSampleId :
PB157131BS



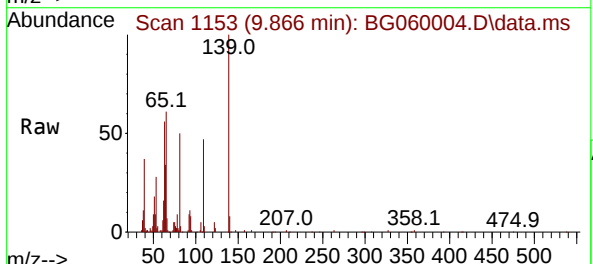
Tgt Ion: 82 Resp: 379920
Ion Ratio Lower Upper
82 100
95 9.9 5.8 8.8
138 14.6 11.6 17.4

Manual Integrations
APPROVED

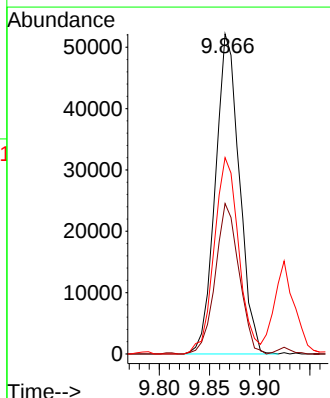
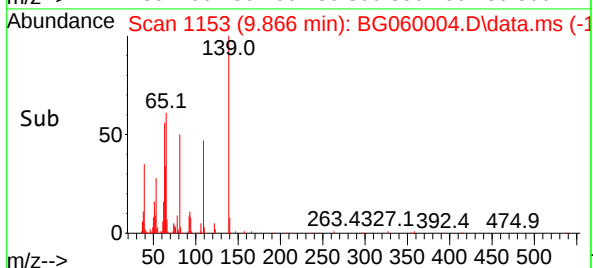
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

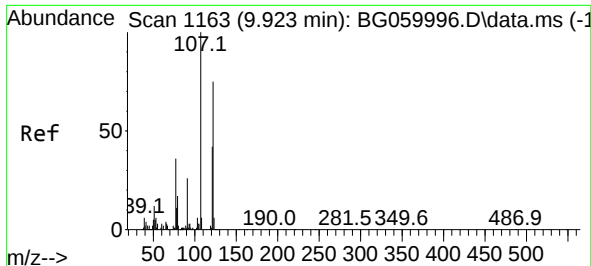


#26
2-Nitrophenol
Concen: 46.848 ng
RT: 9.866 min Scan# 1153
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05



Tgt Ion:139 Resp: 86793
Ion Ratio Lower Upper
139 100
109 47.0 33.8 50.6
65 61.4 45.2 67.8





#27

2,4-Dimethylphenol

Concen: 52.117 ng

RT: 9.924 min Scan# 1163

Delta R.T. 0.001 min

Lab File: BG060004.D

Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

PB157131BS

Tgt Ion:122 Resp: 132349

Ion Ratio Lower Upper

122 100

107 128.3 105.9 158.9

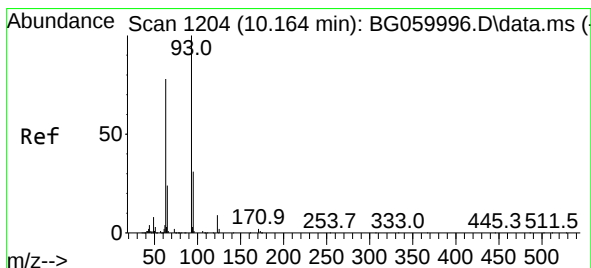
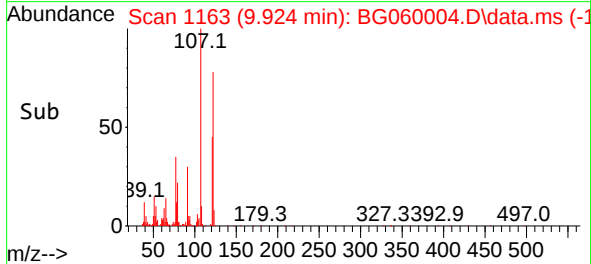
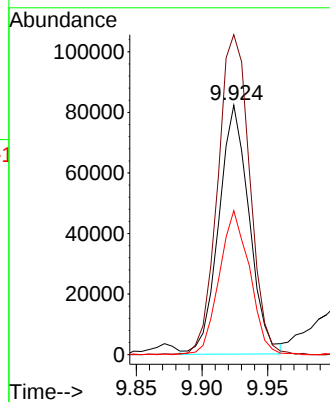
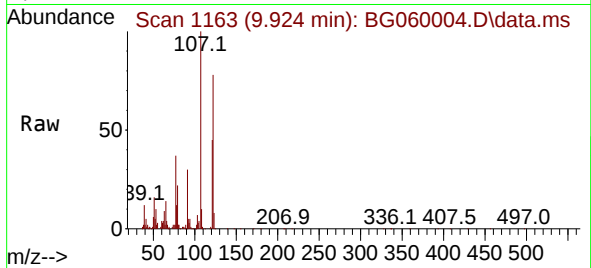
121 57.7 44.5 66.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#28

bis(2-Chloroethoxy)methane

Concen: 39.938 ng

RT: 10.165 min Scan# 1204

Delta R.T. 0.001 min

Lab File: BG060004.D

Acq: 13 Dec 2023 20:05

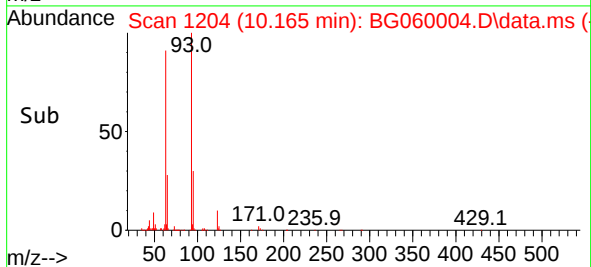
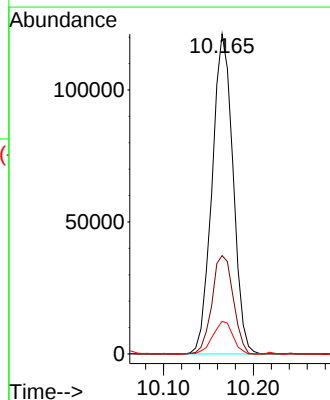
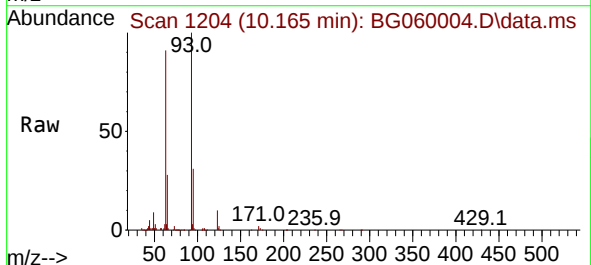
Tgt Ion: 93 Resp: 195823

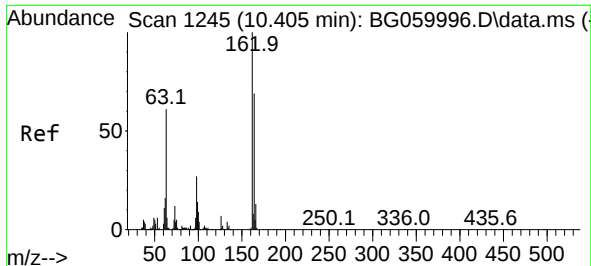
Ion Ratio Lower Upper

93 100

95 30.7 24.7 37.1

123 10.2 7.5 11.3





#29
2,4-Dichlorophenol
Concen: 45.053 ng
RT: 10.400 min Scan# 1244
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

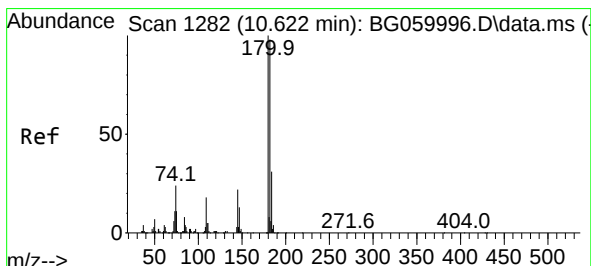
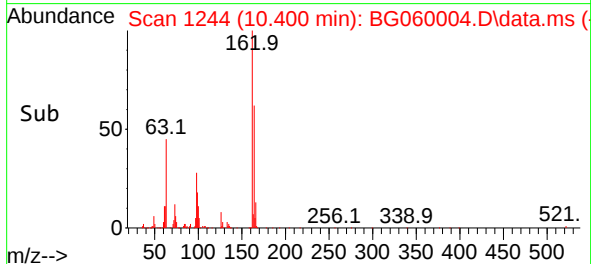
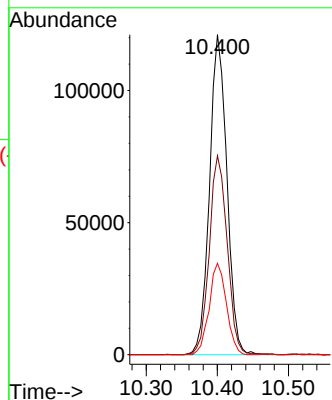
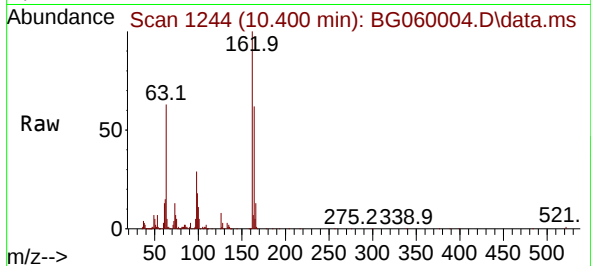
ClientSampleId :

PB157131BS

Tgt Ion:162 Resp: 20548
Ion Ratio Lower Upper
162 100
164 62.2 48.8 88.8
98 28.6 7.2 47.2

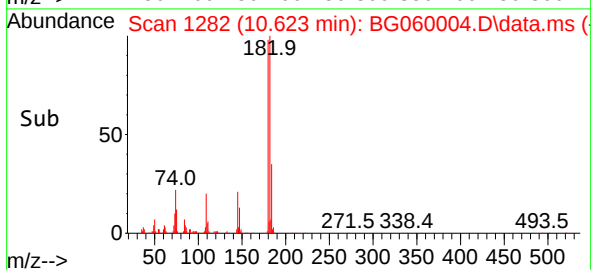
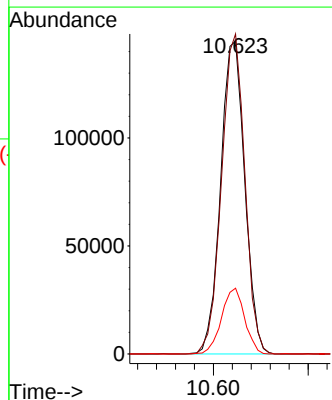
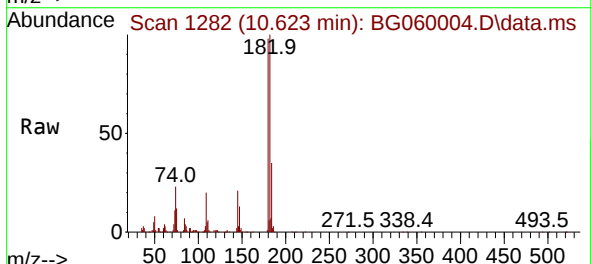
Manual Integrations
APPROVED

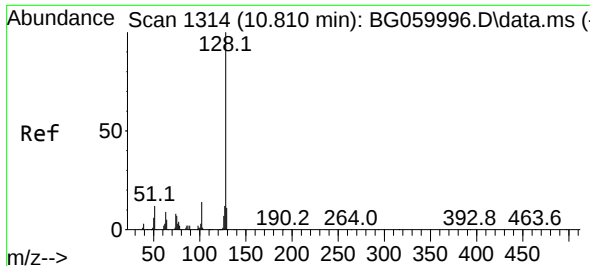
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#30
1,2,4-Trichlorobenzene
Concen: 41.440 ng
RT: 10.623 min Scan# 1282
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

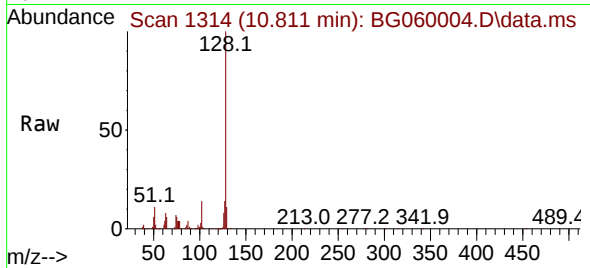
Tgt Ion:180 Resp: 255841
Ion Ratio Lower Upper
180 100
182 102.3 78.2 117.4
145 21.0 17.2 25.8





#31
Naphthalene
Concen: 41.244 ng
RT: 10.811 min Scan# 1184
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

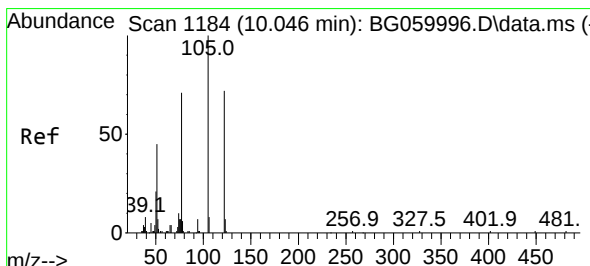
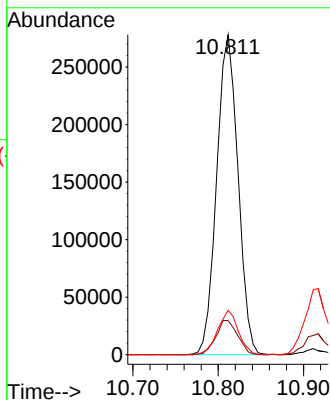
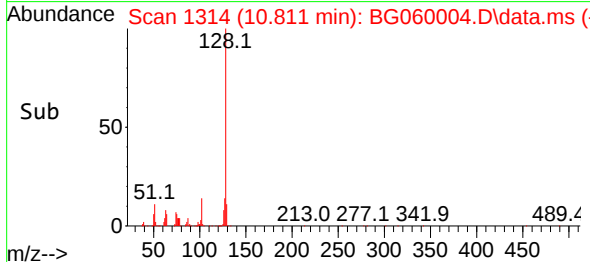
Instrument :
BNA_G
ClientSampleId :
PB157131BS



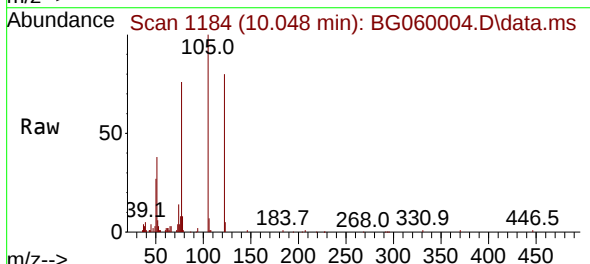
Tgt Ion:128 Resp: 483759
Ion Ratio Lower Upper
128 100
129 10.7 9.2 13.8
127 13.9 9.7 14.5

Manual Integrations
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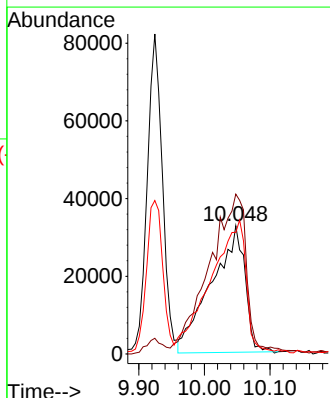
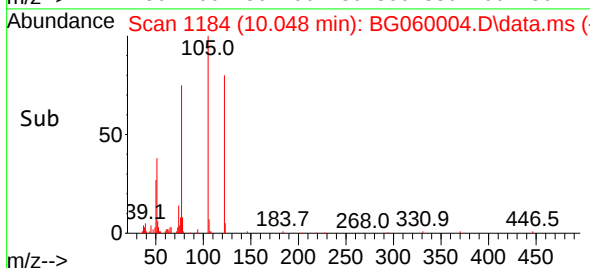
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

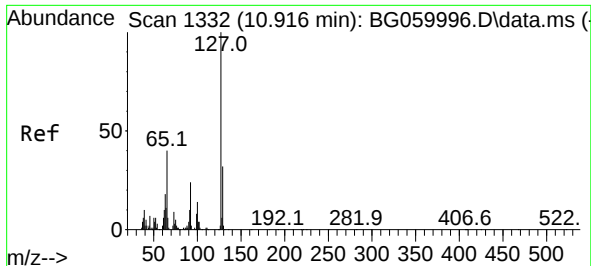


#32
Benzoic acid
Concen: 49.841 ng
RT: 10.048 min Scan# 1184
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05



Tgt Ion:122 Resp: 115131
Ion Ratio Lower Upper
122 100
105 124.8 106.2 146.2
77 94.9 80.4 120.4





#33
4-Chloroaniline
Concen: 22.807 ng
RT: 10.917 min Scan# 1332
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

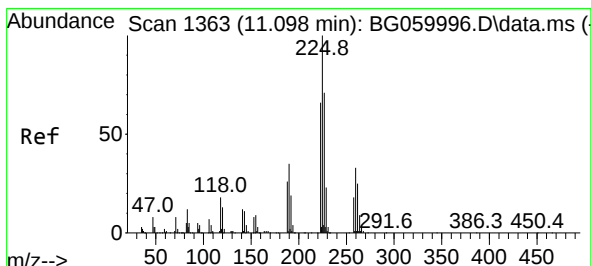
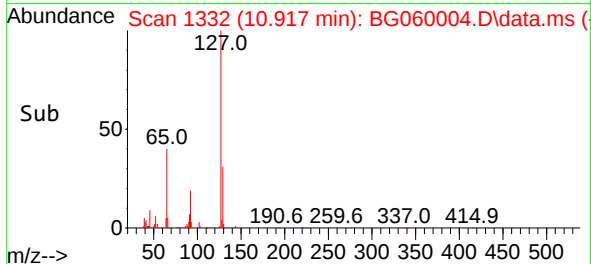
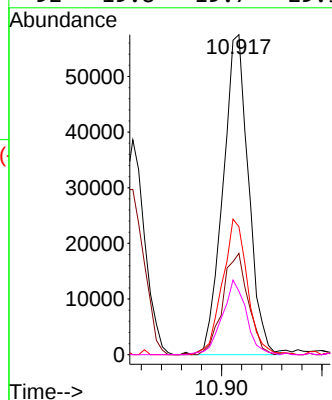
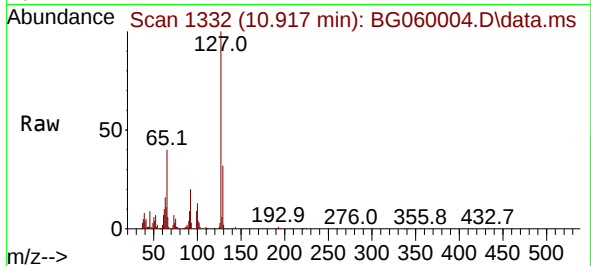
PB157131BS

Tgt Ion:127 Resp: 101780
Ion Ratio Lower Upper
127 100
129 31.7 25.7 38.5
65 40.0 32.3 48.5
92 19.8 19.7 29.5

Manual Integrations

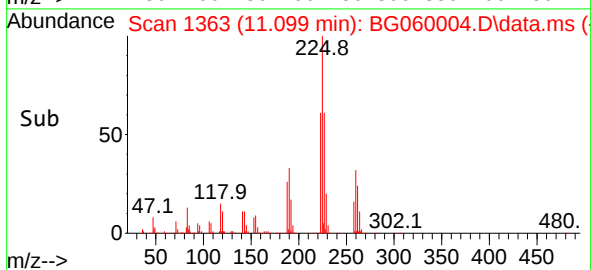
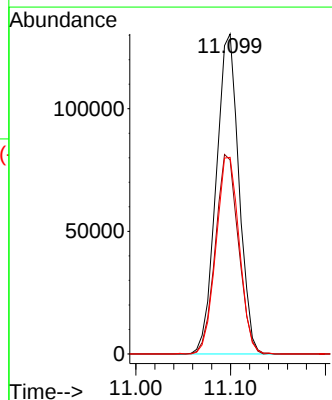
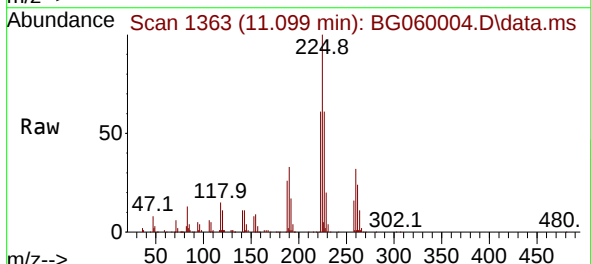
APPROVED

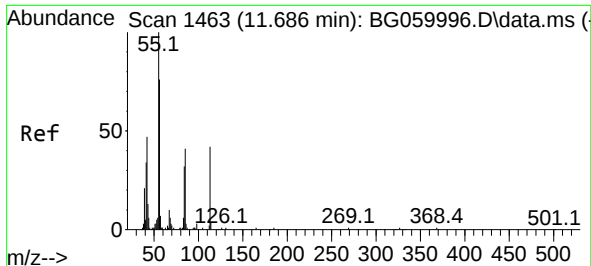
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#34
Hexachlorobutadiene
Concen: 38.460 ng
RT: 11.099 min Scan# 1363
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

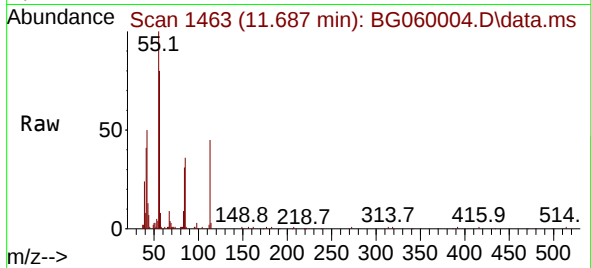
Tgt Ion:225 Resp: 217321
Ion Ratio Lower Upper
225 100
223 60.7 52.4 78.6
227 61.4 56.6 85.0





#35
Caprolactam
Concen: 48.032 ng m
RT: 11.687 min Scan# 1463
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

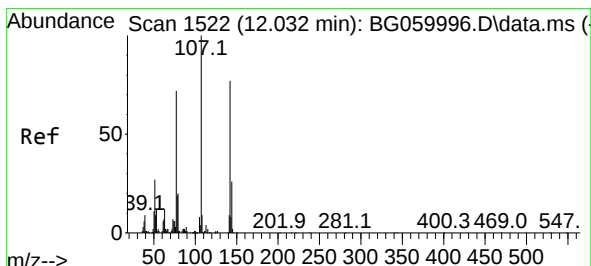
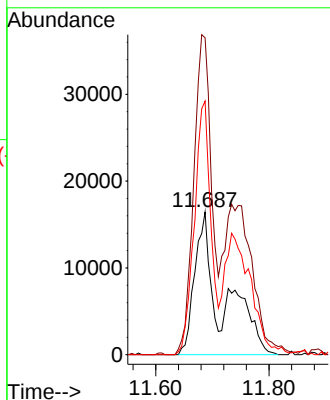
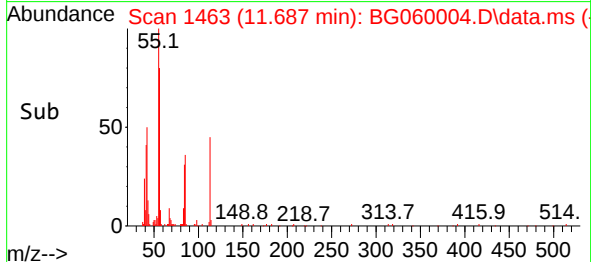
Instrument :
BNA_G
ClientSampleId :
PB157131BS



Tgt Ion:113 Resp: 55652
Ion Ratio Lower Upper
113 100
55 222.2 219.5 259.5
56 177.8 161.6 201.6

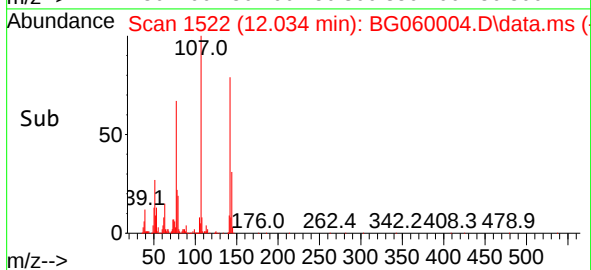
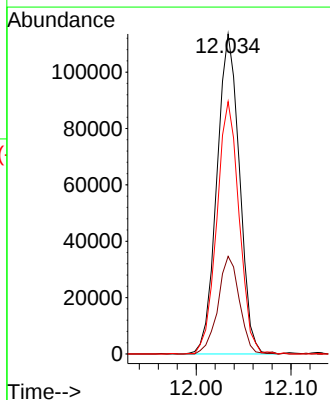
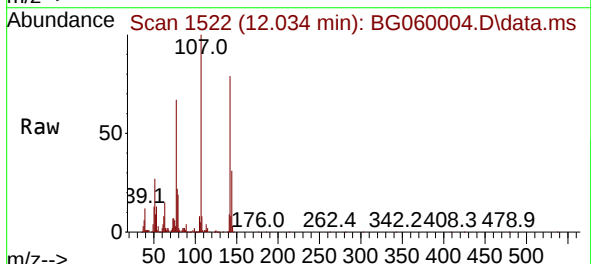
Manual Integrations
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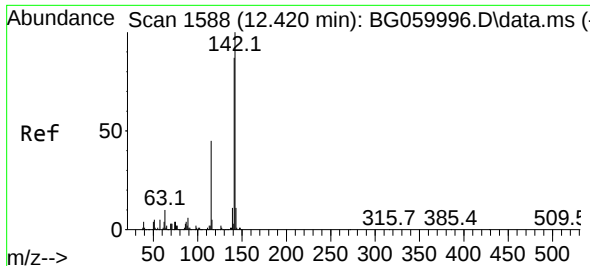
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#36
4-Chloro-3-methylphenol
Concen: 45.362 ng
RT: 12.034 min Scan# 1522
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion:107 Resp: 188166
Ion Ratio Lower Upper
107 100
144 30.5 20.4 30.6
142 78.8 61.4 92.0





#37
2-Methylnaphthalene
Concen: 40.211 ng
RT: 12.415 min Scan# 1588
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

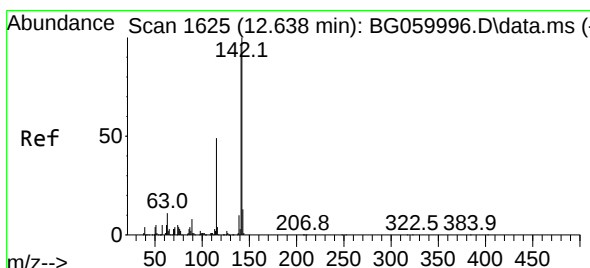
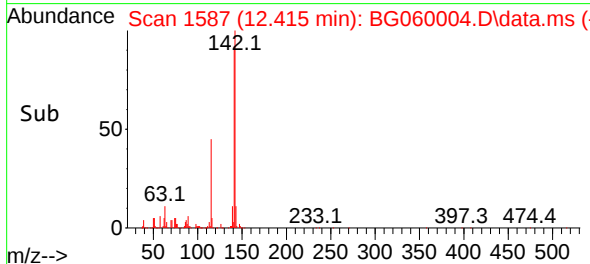
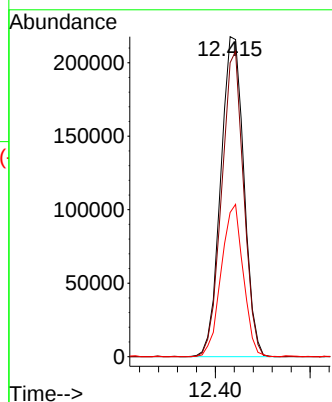
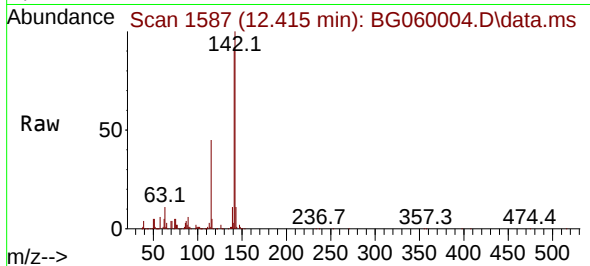
PB157131BS

Tgt Ion:142 Resp: 36991
Ion Ratio Lower Upper
142 100
141 91.9 69.9 104.9
115 45.1 36.1 54.1

Manual Integrations

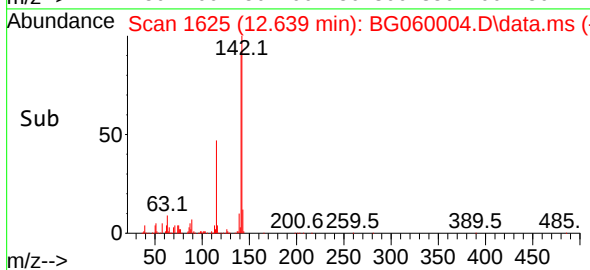
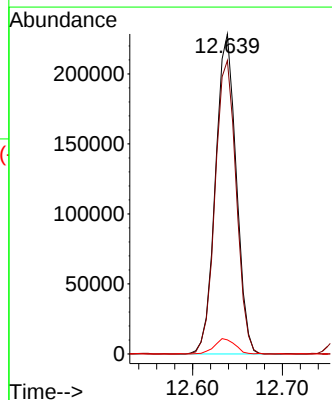
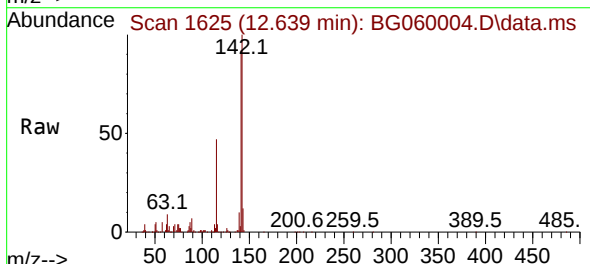
APPROVED

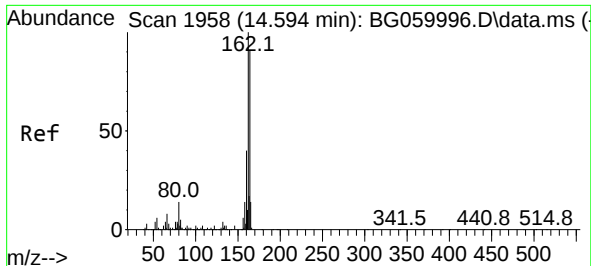
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#38
1-Methylnaphthalene
Concen: 40.355 ng
RT: 12.639 min Scan# 1625
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion:142 Resp: 366710
Ion Ratio Lower Upper
142 100
141 91.7 76.9 115.3
116 4.4 3.5 5.3





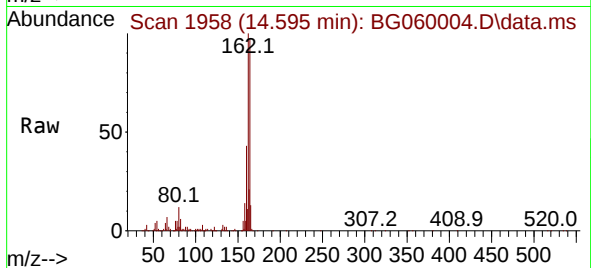
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.595 min Scan# 1958
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNL_G

ClientSampleId :

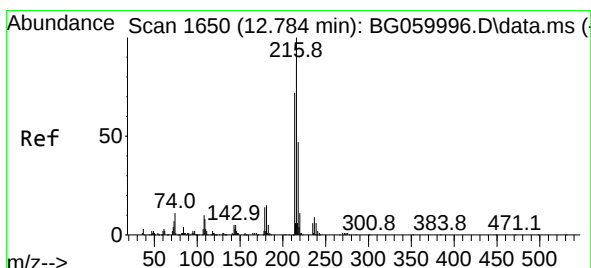
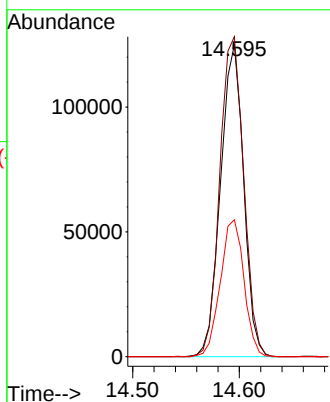
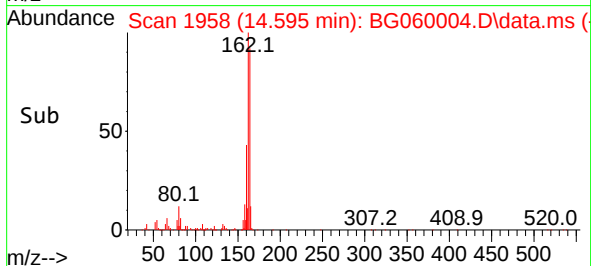
PB157131BS



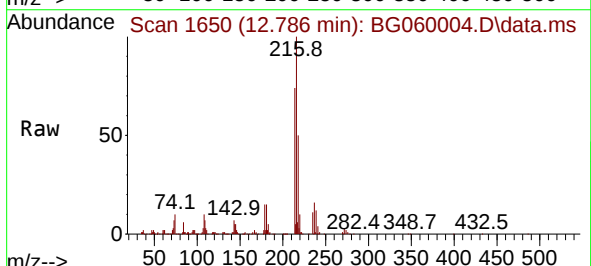
Tgt Ion:164 Resp: 18806
Ion Ratio Lower Upper
164 100
162 102.6 88.1 132.1
160 43.9 35.4 53.0

Manual Integrations
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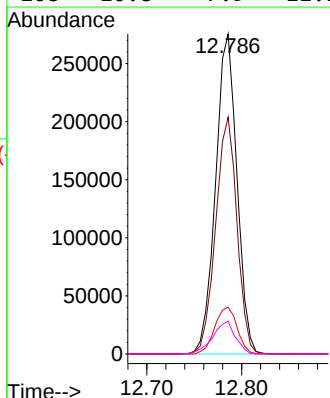
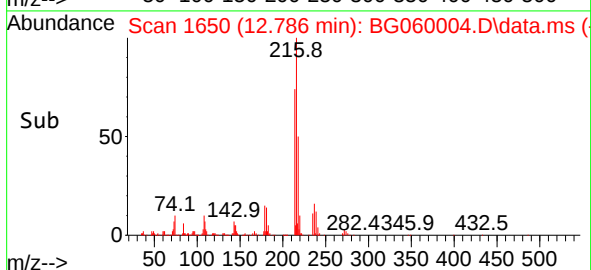
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

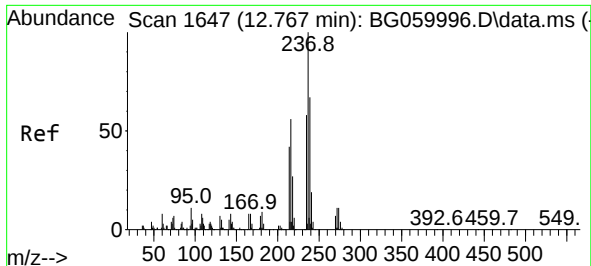


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.014 ng
RT: 12.786 min Scan# 1650
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05



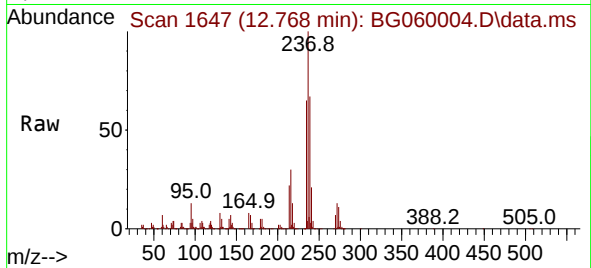
Tgt Ion:216 Resp: 431526
Ion Ratio Lower Upper
216 100
214 73.7 60.3 90.5
179 15.3 11.9 17.9
108 10.8 7.9 11.9





#41
Hexachlorocyclopentadiene
Concen: 109.026 ng
RT: 12.768 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

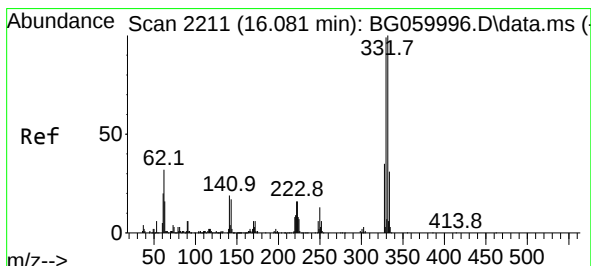
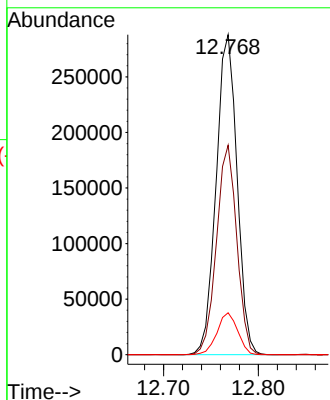
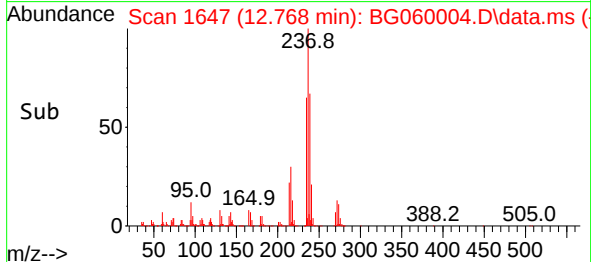
Instrument :
BNA_G
ClientSampleId :
PB157131BS



Tgt Ion:237 Resp: 441640
Ion Ratio Lower Upper
237 100
235 65.4 38.5 78.5
272 13.1 0.0 31.2

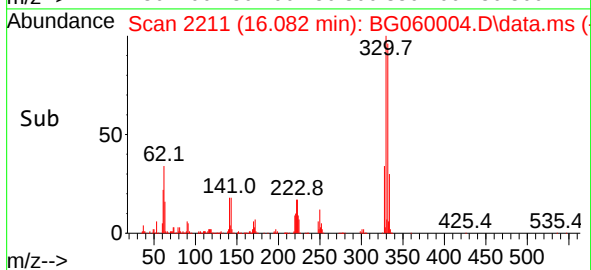
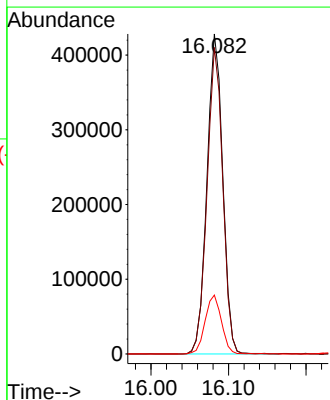
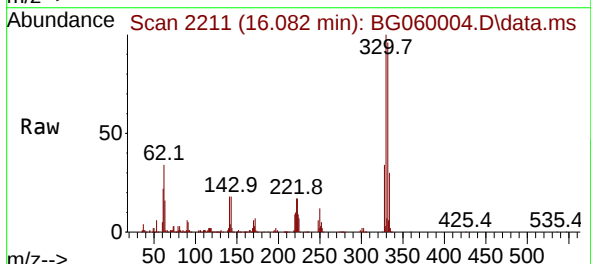
Manual Integrations
APPROVED

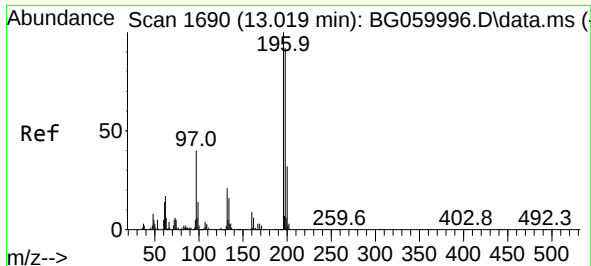
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#42
2,4,6-Tribromophenol
Concen: 138.022 ng
RT: 16.082 min Scan# 2211
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion:330 Resp: 604913
Ion Ratio Lower Upper
330 100
332 95.2 76.2 114.4
141 19.0 14.3 21.5





#43
2,4,6-Trichlorophenol
Concen: 45.907 ng
RT: 13.021 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

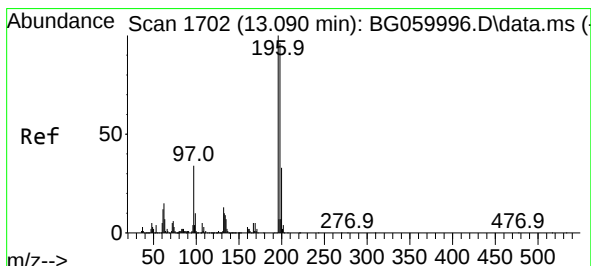
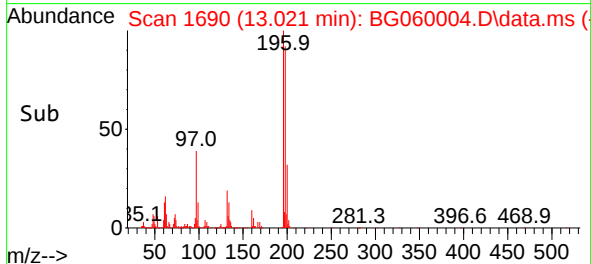
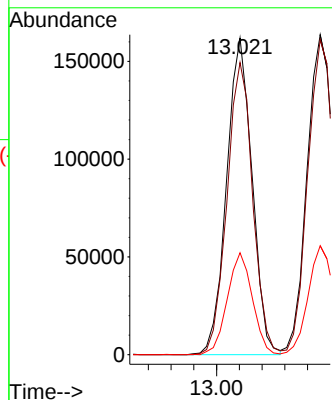
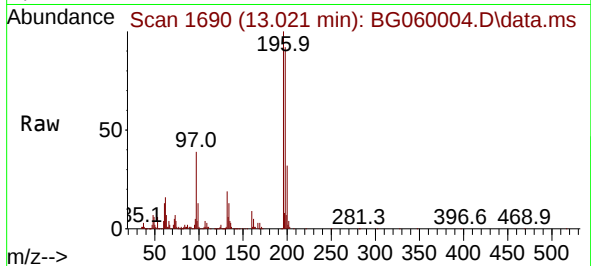
ClientSampleId :

PB157131BS

Tgt Ion:196 Resp: 252360
Ion Ratio Lower Upper
196 100
198 92.3 73.4 110.0
200 32.2 26.1 39.1

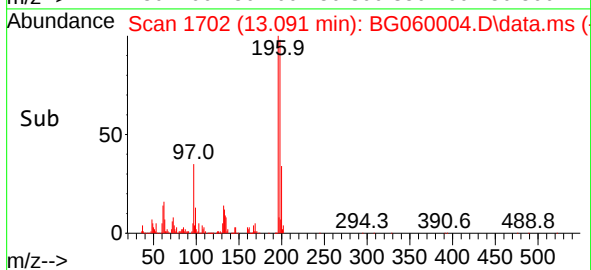
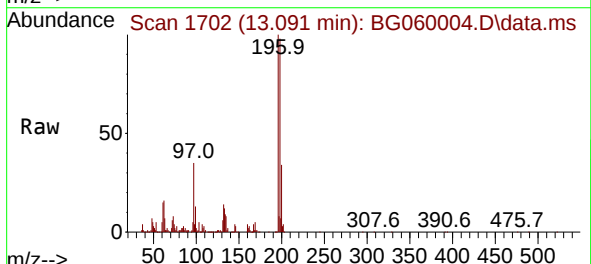
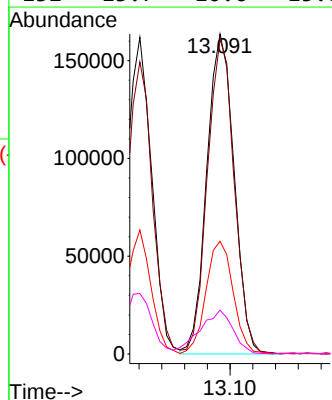
Manual Integrations
APPROVED

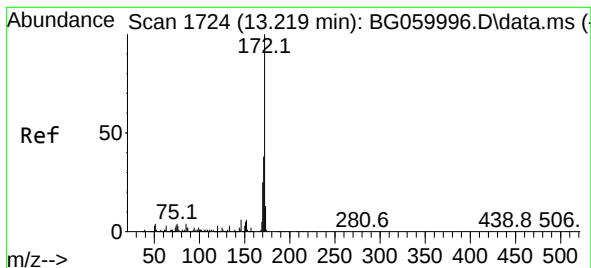
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#44
2,4,5-Trichlorophenol
Concen: 45.721 ng
RT: 13.091 min Scan# 1702
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion:196 Resp: 273382
Ion Ratio Lower Upper
196 100
198 98.4 76.4 114.6
97 35.2 27.0 40.4
132 13.7 10.6 15.8





#45
2-Fluorobiphenyl
Concen: 82.280 ng
RT: 13.220 min Scan# 1724
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

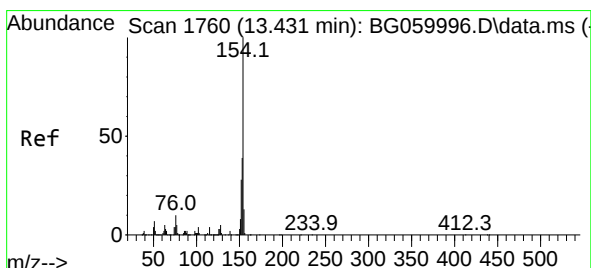
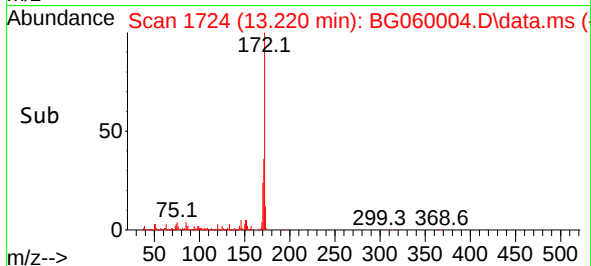
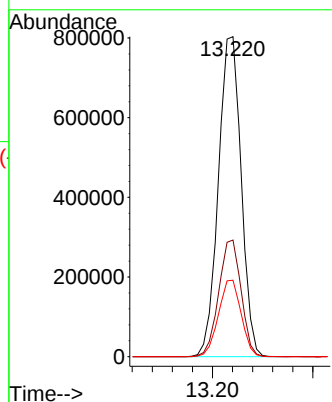
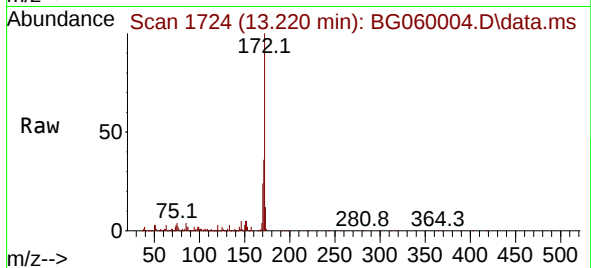
PB157131BS

Tgt Ion:172 Resp: 1264309
Ion Ratio Lower Upper
172 100
171 36.4 30.1 45.1
170 23.9 20.0 30.0

Manual Integrations

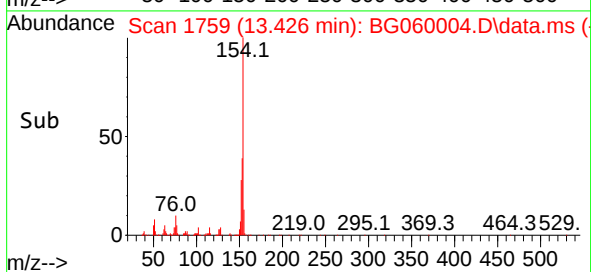
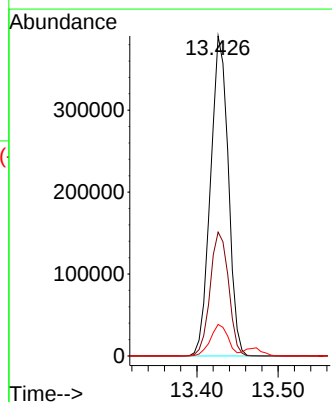
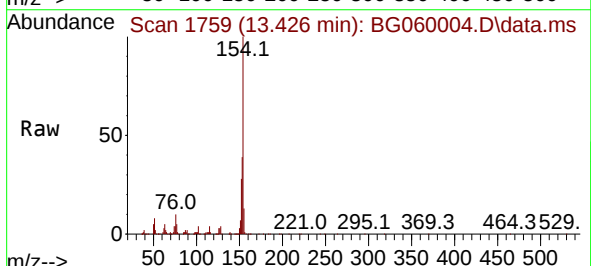
APPROVED

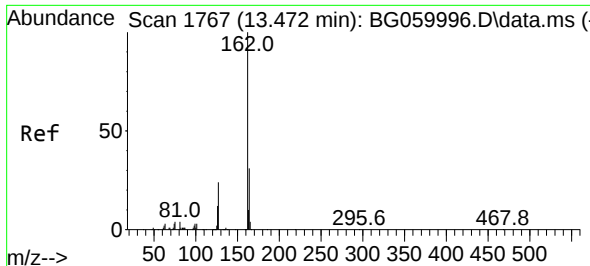
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#46
1,1'-Biphenyl
Concen: 42.509 ng
RT: 13.426 min Scan# 1759
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion:154 Resp: 592876
Ion Ratio Lower Upper
154 100
153 38.7 19.2 59.2
76 9.9 0.0 29.9





#47
2-Chloronaphthalene
Concen: 41.445 ng
RT: 13.467 min Scan# 1766
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

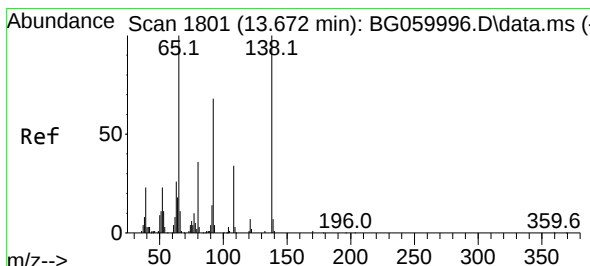
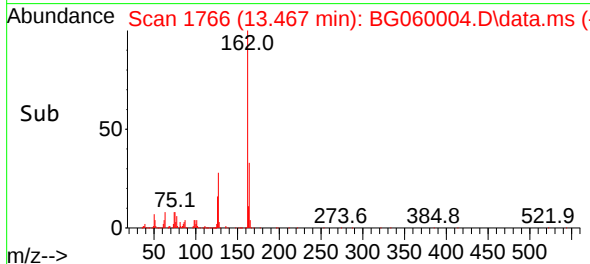
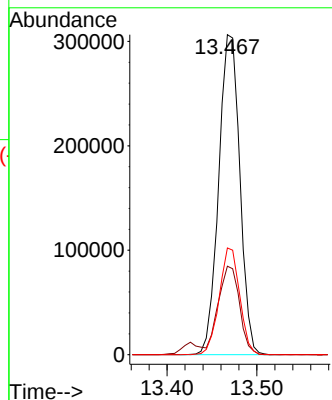
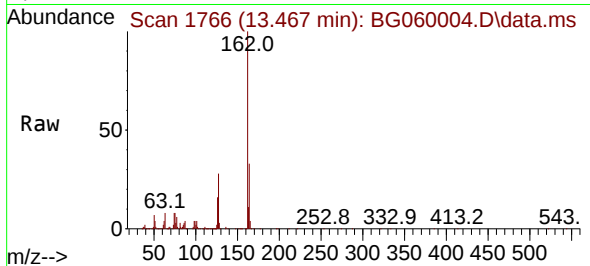
ClientSampleId :

PB157131BS

Tgt Ion:162 Resp: 50059
Ion Ratio Lower Upper
162 100
127 27.7 21.8 32.6
164 33.3 25.2 37.8

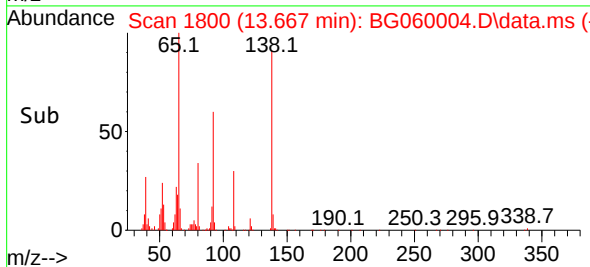
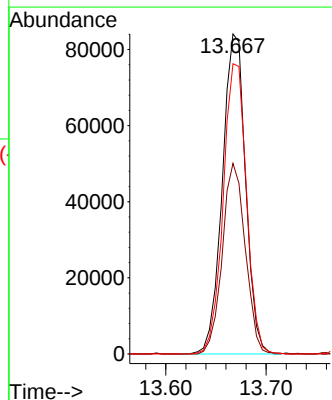
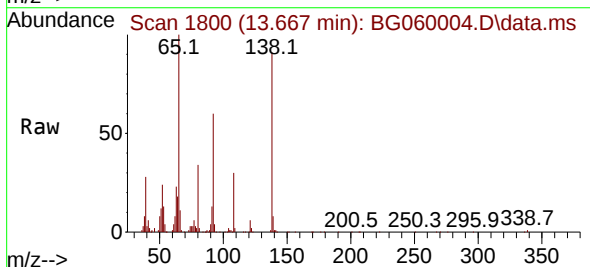
Manual Integrations
APPROVED

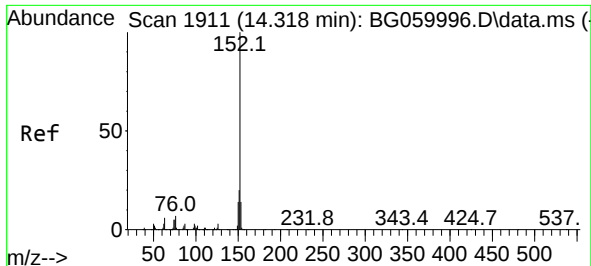
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#48
2-Nitroaniline
Concen: 51.723 ng
RT: 13.667 min Scan# 1800
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion: 65 Resp: 134860
Ion Ratio Lower Upper
65 100
92 59.6 54.6 81.8
138 90.7 80.2 120.2





#49
Acenaphthylene
Concen: 46.310 ng
RT: 14.313 min Scan# 1911
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

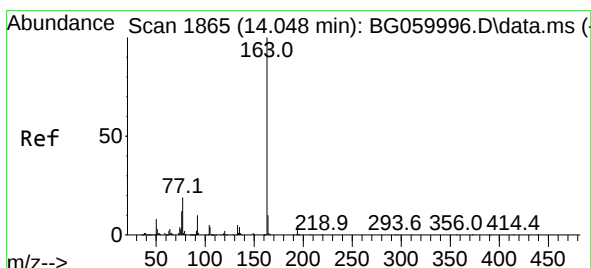
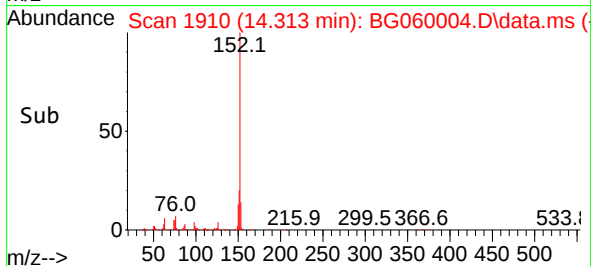
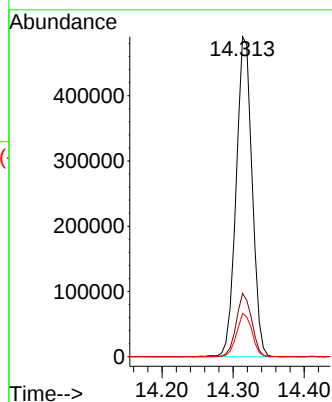
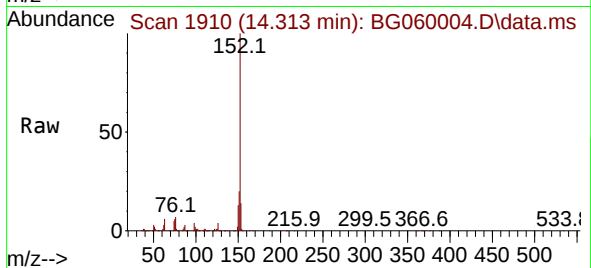
PB157131BS

Tgt Ion:152 Resp: 76514
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.8
153 13.5 11.0 16.4

Manual Integrations

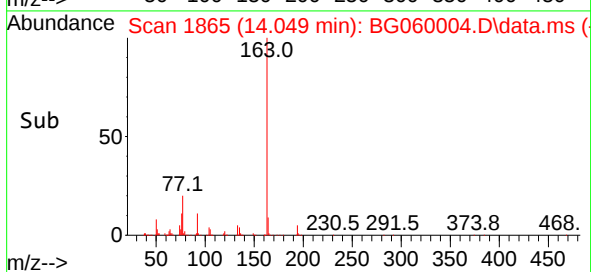
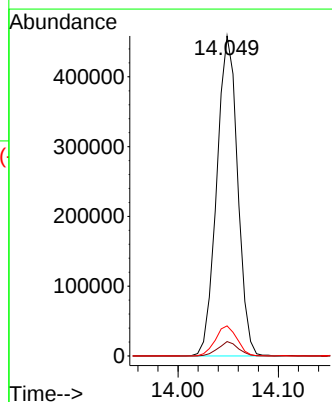
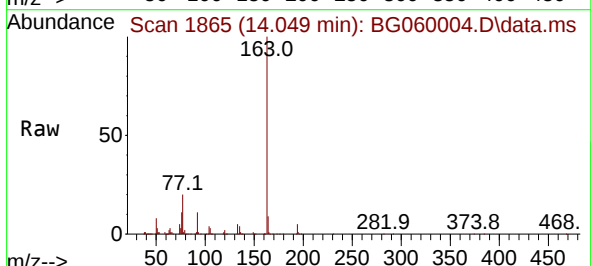
APPROVED

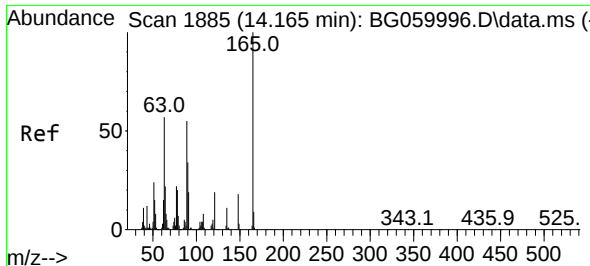
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#50
Dimethylphthalate
Concen: 45.325 ng
RT: 14.049 min Scan# 1865
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion:163 Resp: 661637
Ion Ratio Lower Upper
163 100
194 4.5 3.7 5.5
164 9.4 8.2 12.4





#51
2,6-Dinitrotoluene
Concen: 44.426 ng
RT: 14.166 min Scan# 1885
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

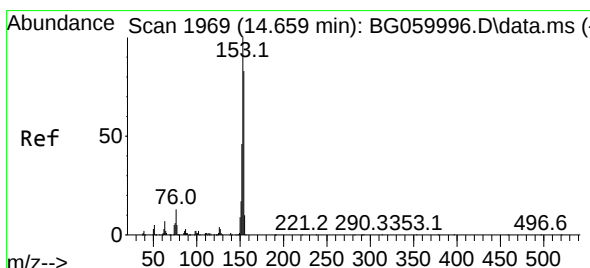
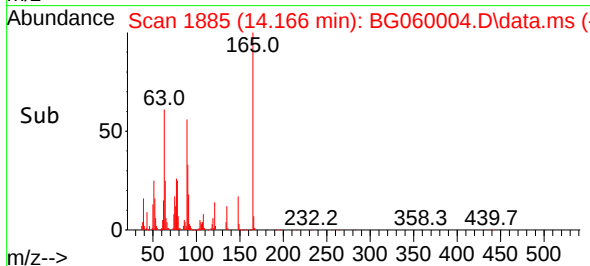
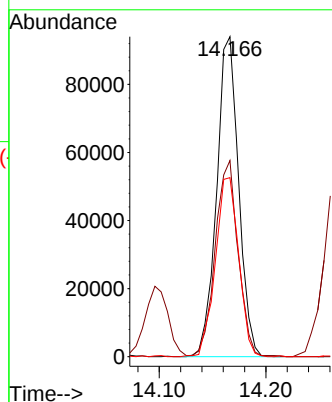
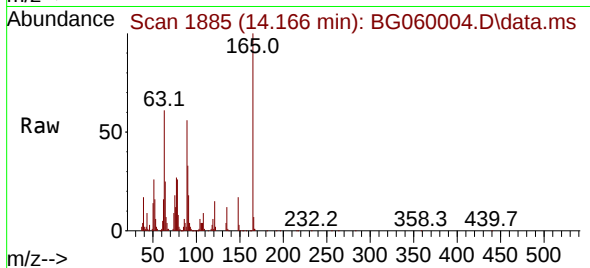
ClientSampleId :

PB157131BS

Tgt Ion:165 Resp: 13434
Ion Ratio Lower Upper
165 100
63 61.3 48.2 72.2
89 56.0 44.4 66.6

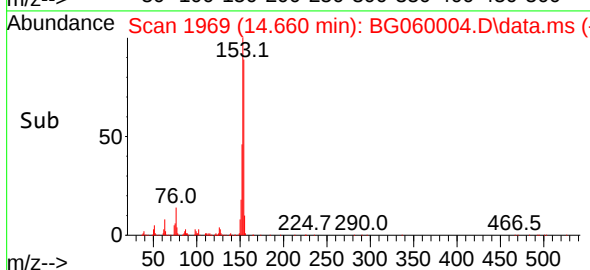
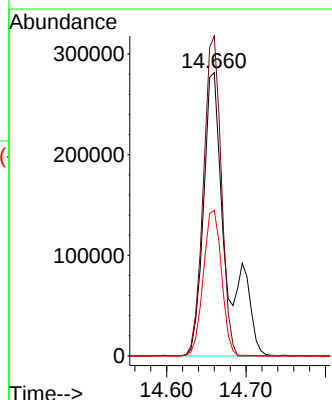
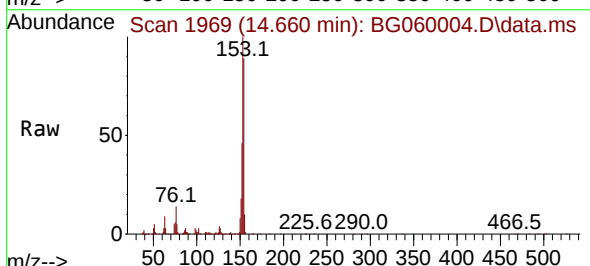
Manual Integrations
APPROVED

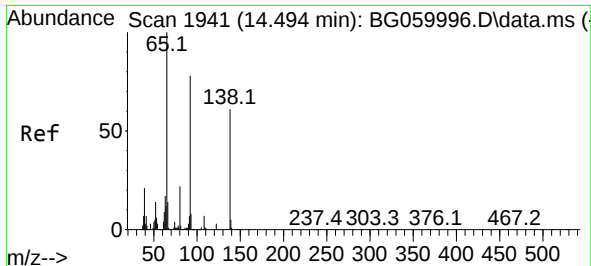
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#52
Acenaphthene
Concen: 49.364 ng m
RT: 14.660 min Scan# 1969
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion:154 Resp: 561429
Ion Ratio Lower Upper
154 100
153 113.0 96.0 144.0
152 51.4 44.3 66.5





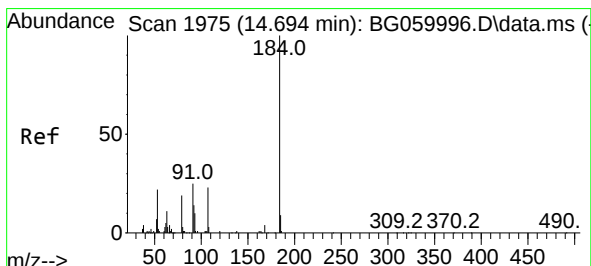
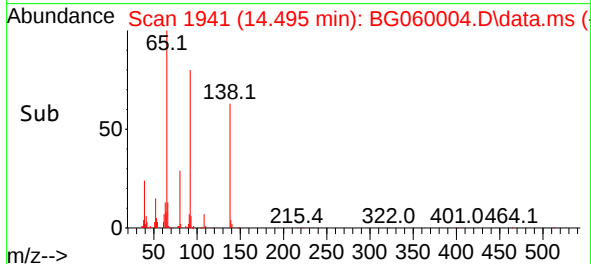
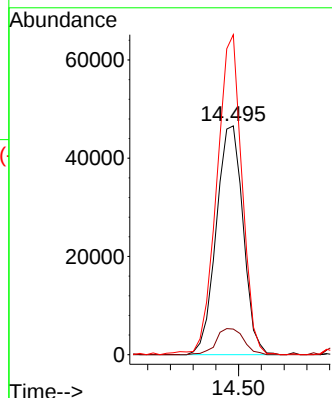
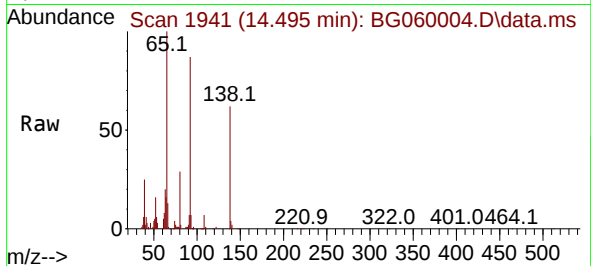
#53
3-Nitroaniline
Concen: 31.655 ng
RT: 14.495 min Scan# 1941
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :
BNA_G
ClientSampleId :
PB157131BS

Tgt Ion:138 Resp: 76488
Ion Ratio Lower Upper
138 100
108 11.2 8.9 13.3
92 139.8 102.1 153.1

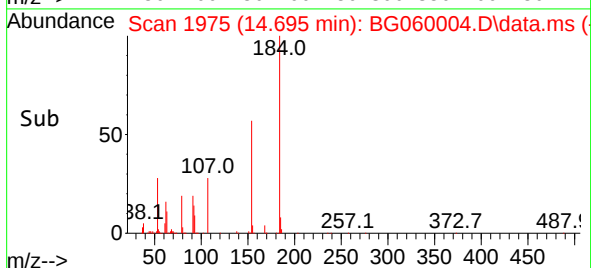
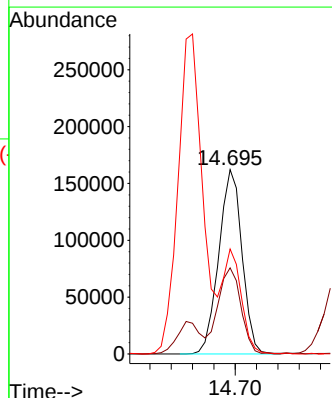
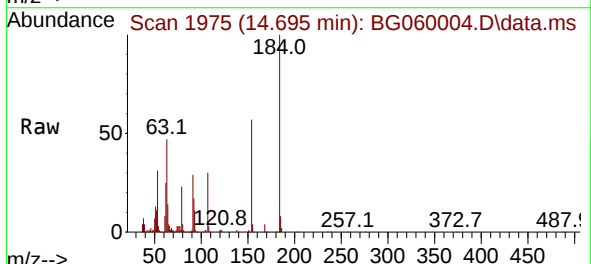
Manual Integrations
APPROVED

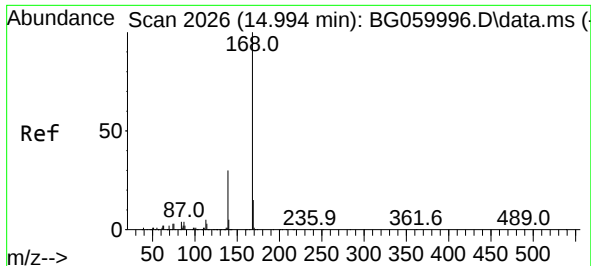
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#54
2,4-Dinitrophenol
Concen: 109.974 ng
RT: 14.695 min Scan# 1975
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion:184 Resp: 245011
Ion Ratio Lower Upper
184 100
63 46.7 35.5 53.3
154 56.9 36.7 55.1#





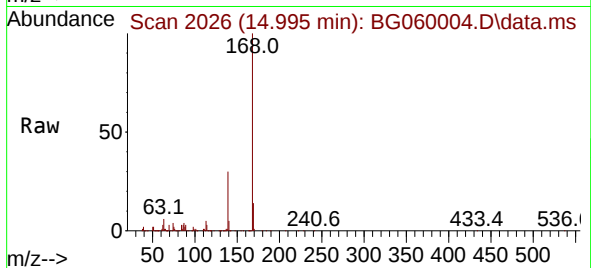
#55
Dibenzenofuran
Concen: 44.454 ng
RT: 14.995 min Scan# 2026
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

PB157131BS



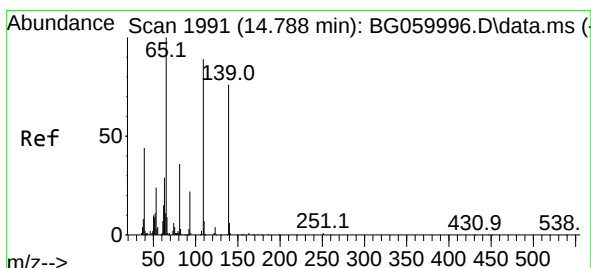
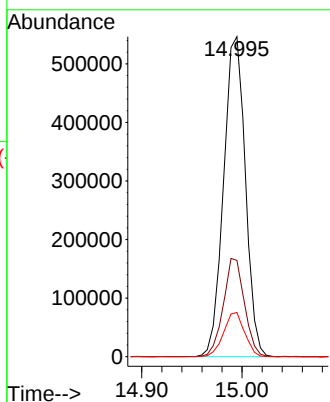
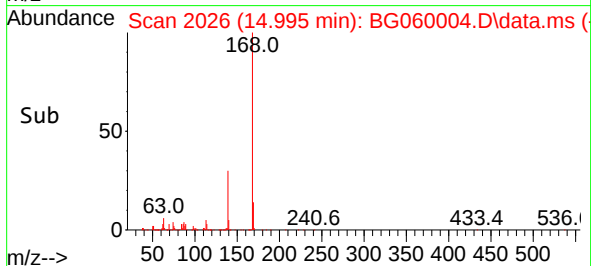
Tgt Ion:168 Resp: 822890
Ion Ratio Lower Upper
168 100
139 30.1 24.0 36.0
169 13.8 11.8 17.8

Manual Integrations

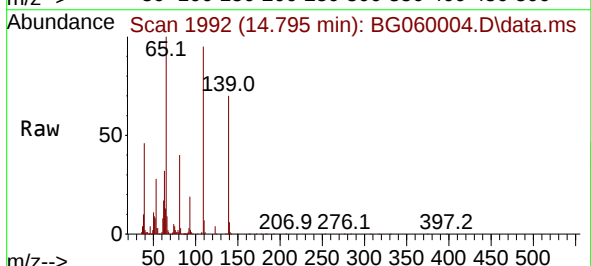
APPROVED

Reviewed By :Yogesh Patel 12/14/2023

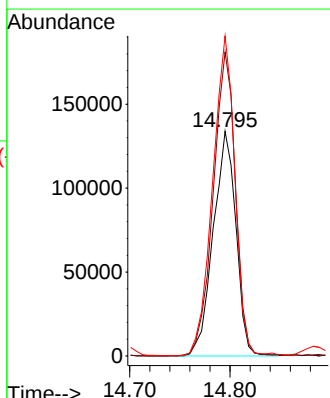
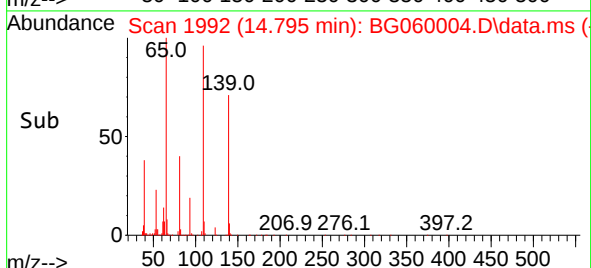
Supervised By :mohammad ahmed 12/14/2023

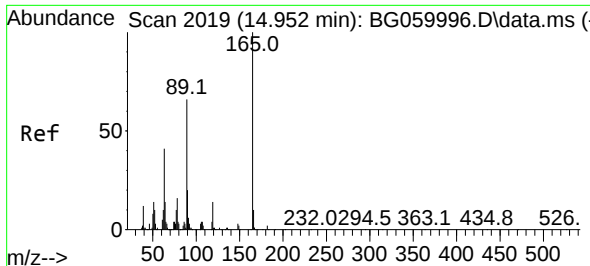


#56
4-Nitrophenol
Concen: 103.353 ng
RT: 14.795 min Scan# 1992
Delta R.T. 0.007 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05



Tgt Ion:139 Resp: 209891
Ion Ratio Lower Upper
139 100
109 135.2 97.2 137.2
65 142.5 112.2 152.2





#57
2,4-Dinitrotoluene
Concen: 46.468 ng
RT: 14.948 min Scan# 2019
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

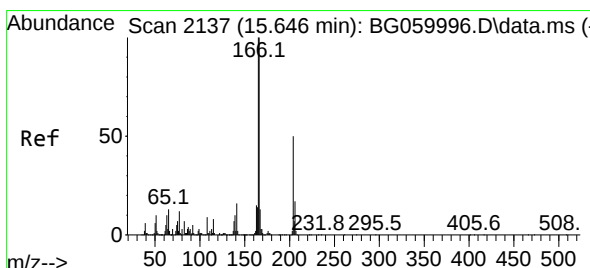
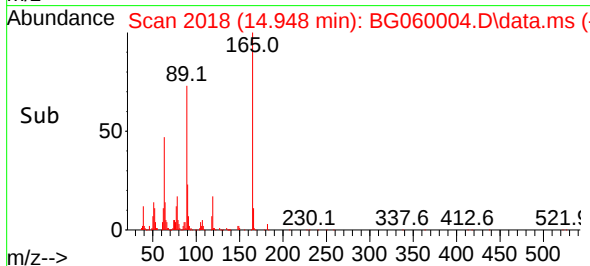
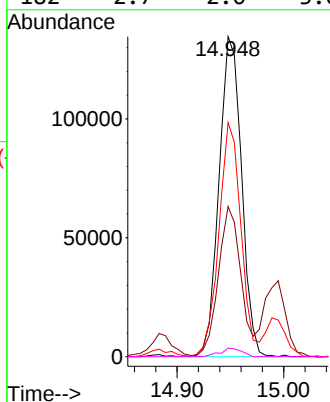
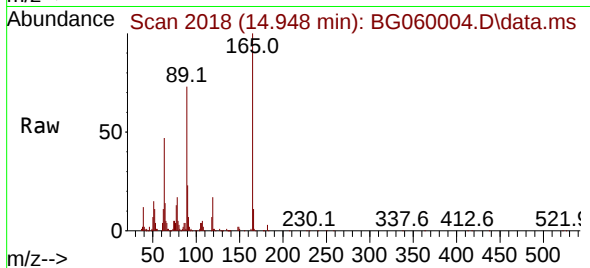
ClientSampleId :

PB157131BS

Tgt Ion:165 Resp: 197520
Ion Ratio Lower Upper
165 100
63 46.9 32.8 49.2
89 73.2 53.0 79.6
182 2.7 2.0 3.0

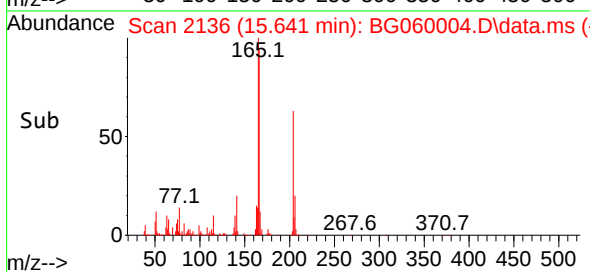
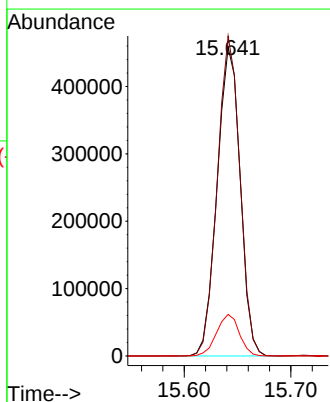
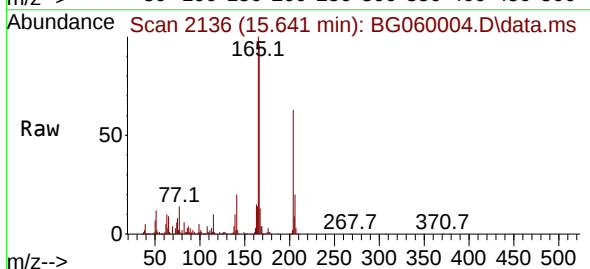
Manual Integrations
APPROVED

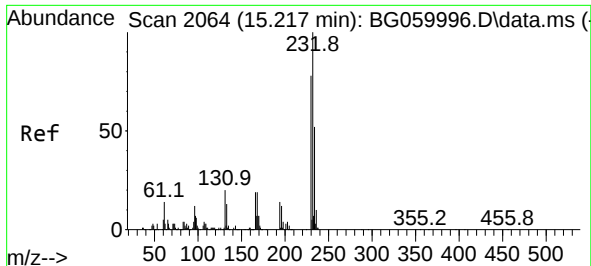
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#58
Fluorene
Concen: 44.123 ng
RT: 15.641 min Scan# 2136
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion:166 Resp: 688739
Ion Ratio Lower Upper
166 100
165 103.7 80.2 120.2
167 13.5 10.3 15.5





#59
2,3,4,6-Tetrachlorophenol
Concen: 50.423 ng
RT: 15.212 min Scan# 2064
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

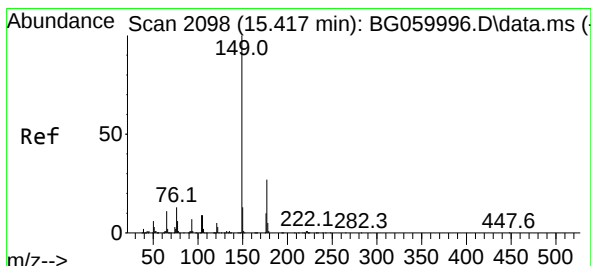
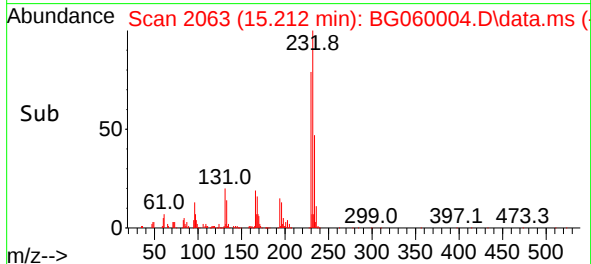
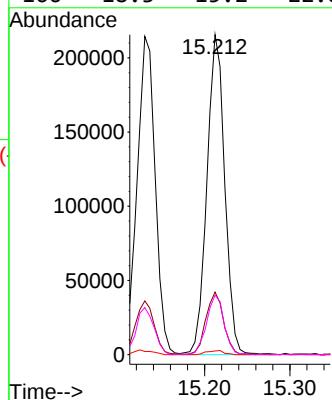
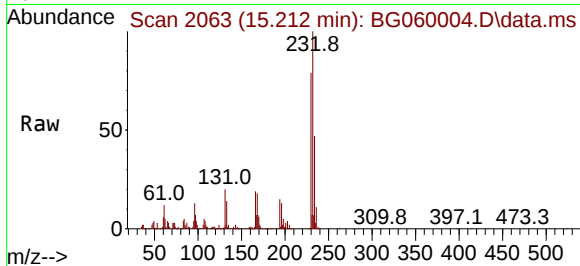
PB157131BS

Tgt Ion:232 Resp: 313839
Ion Ratio Lower Upper
232 100
131 19.2 17.6 26.4
130 1.3 1.0 1.6
166 18.3 15.2 22.8

Manual Integrations

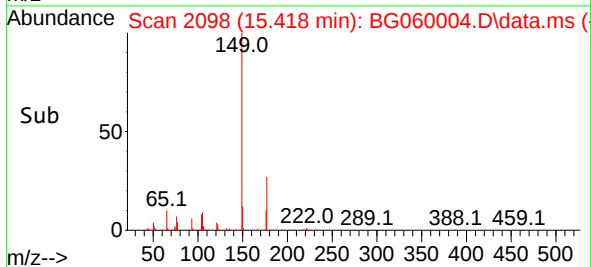
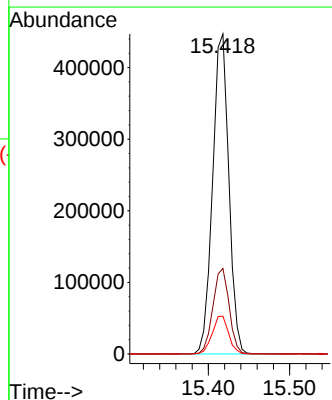
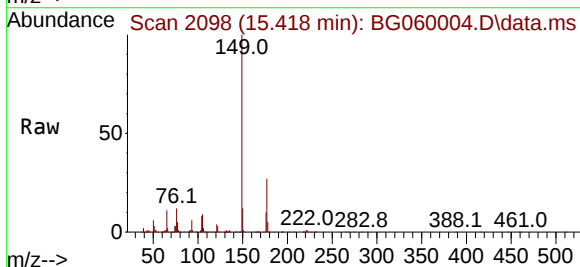
APPROVED

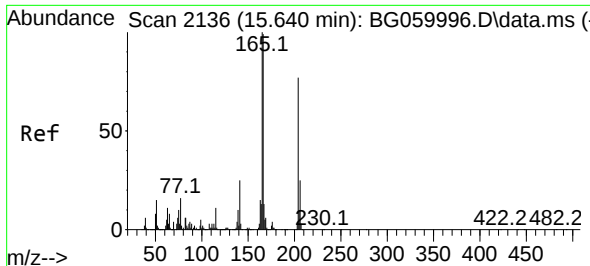
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#60
Diethylphthalate
Concen: 46.050 ng
RT: 15.418 min Scan# 2098
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

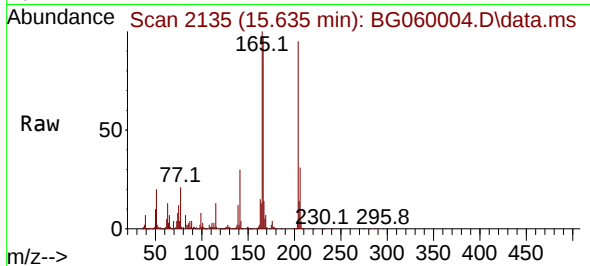
Tgt Ion:149 Resp: 618517
Ion Ratio Lower Upper
149 100
177 26.7 21.5 32.3
150 11.8 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 44.025 ng
RT: 15.635 min Scan# 2135
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

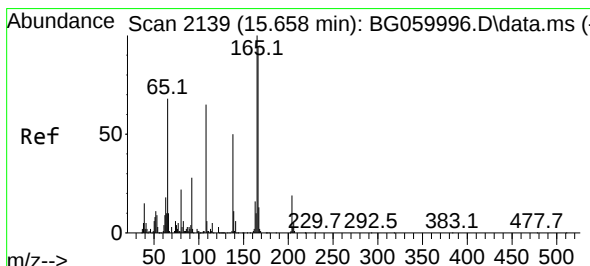
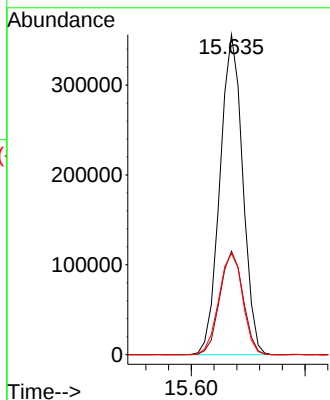
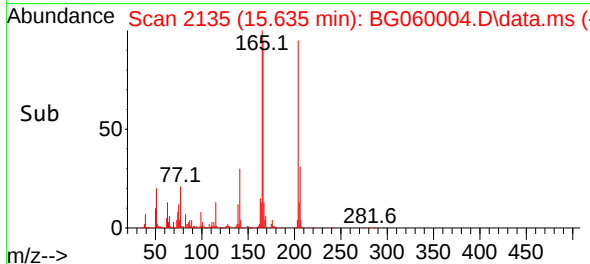
Instrument :
BNA_G
ClientSampleId :
PB157131BS



Tgt Ion:204 Resp: 494925
Ion Ratio Lower Upper
204 100
206 32.3 25.9 38.9
141 31.6 25.6 38.4

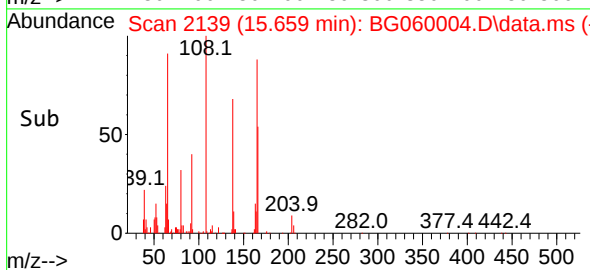
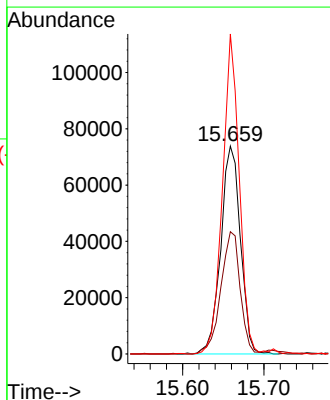
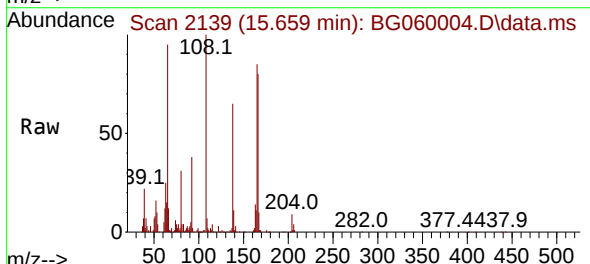
Manual Integrations
APPROVED

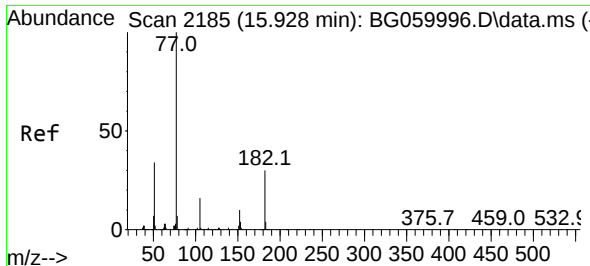
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#62
4-Nitroaniline
Concen: 47.276 ng
RT: 15.659 min Scan# 2139
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion:138 Resp: 124393
Ion Ratio Lower Upper
138 100
92 58.8 36.3 76.3
108 154.0 109.3 149.3#





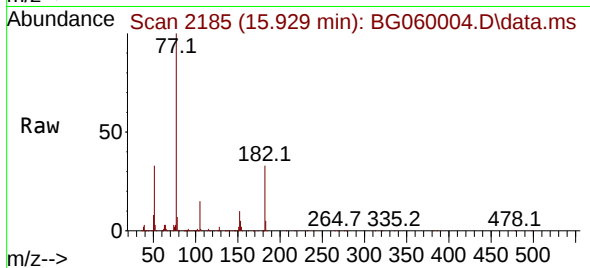
#63
Azobenzene
Concen: 44.339 ng
RT: 15.929 min Scan# 2185
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

PB157131BS

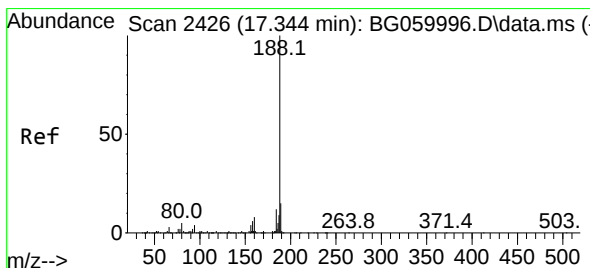
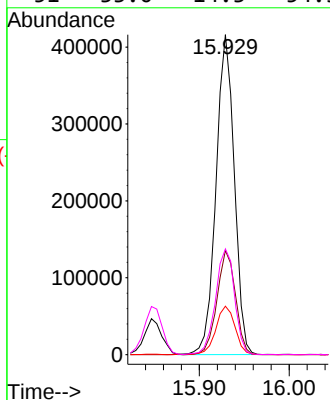
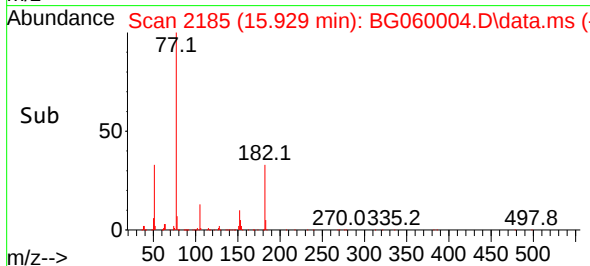


Tgt Ion: 77 Resp: 58716
Ion Ratio Lower Upper
77 100
182 32.5 10.2 50.2
105 15.1 0.0 36.5
51 33.0 14.3 54.3

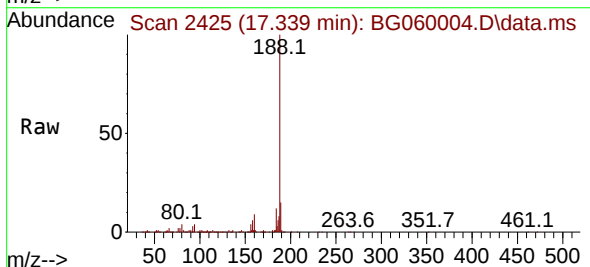
Manual Integrations

APPROVED

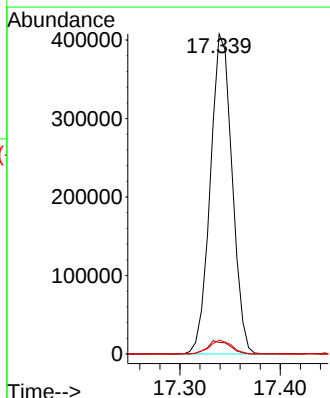
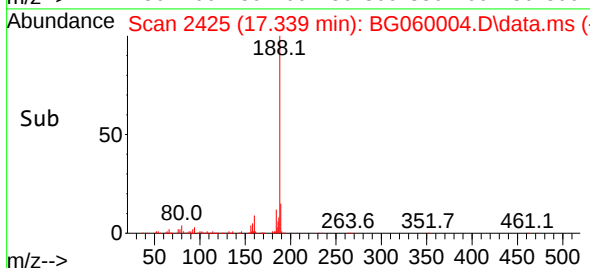
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

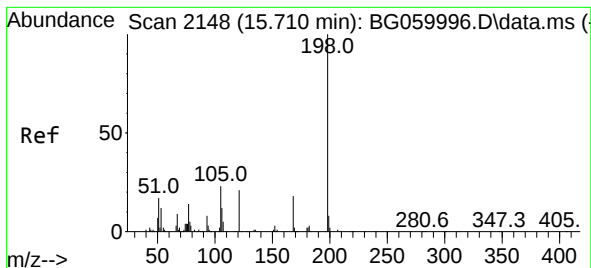


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.339 min Scan# 2425
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05



Tgt Ion:188 Resp: 615777
Ion Ratio Lower Upper
188 100
94 3.6 3.0 4.6
80 4.3 4.0 6.0





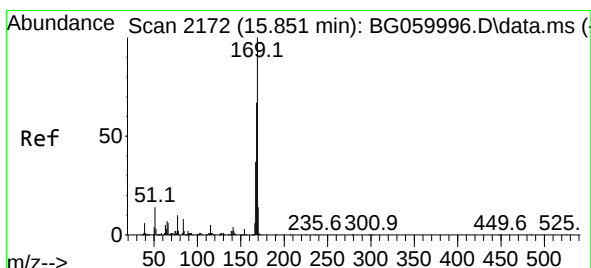
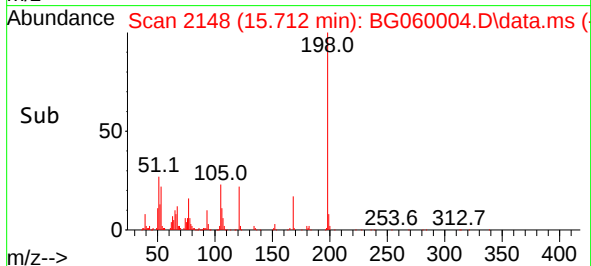
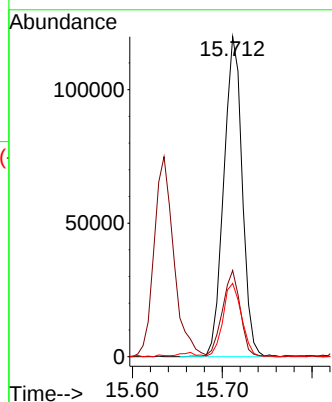
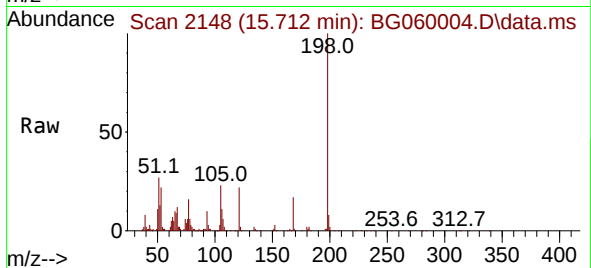
#65
4,6-Dinitro-2-methylphenol
Concen: 44.182 ng
RT: 15.712 min Scan# 2148
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :
BNA_G
ClientSampleId :
PB157131BS

Tgt Ion:198 Resp: 170581
Ion Ratio Lower Upper
198 100
51 27.0 0.0 39.7
105 22.9 3.3 43.3

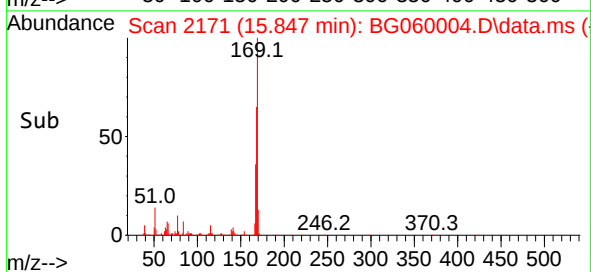
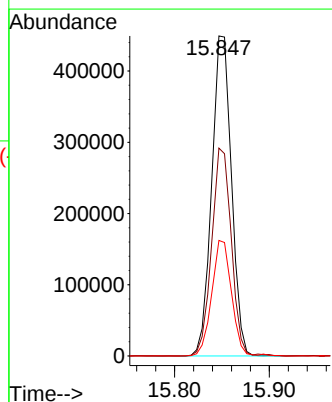
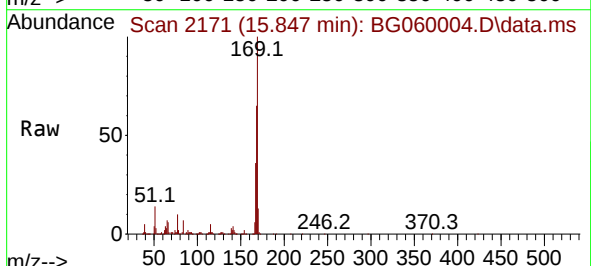
Manual Integrations
APPROVED

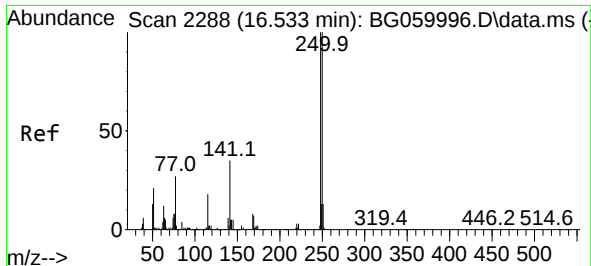
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#66
n-Nitrosodiphenylamine
Concen: 43.114 ng
RT: 15.847 min Scan# 2171
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion:169 Resp: 648572
Ion Ratio Lower Upper
169 100
168 65.0 53.4 80.2
167 36.1 30.0 45.0





#67
4-Bromophenyl-phenylether
Concen: 40.366 ng
RT: 16.528 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

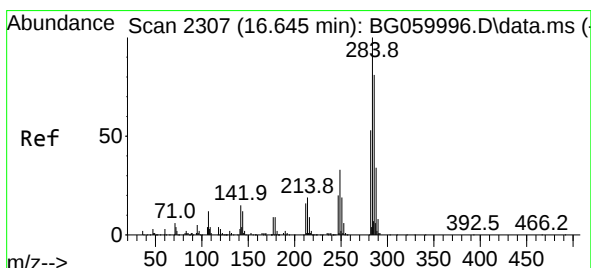
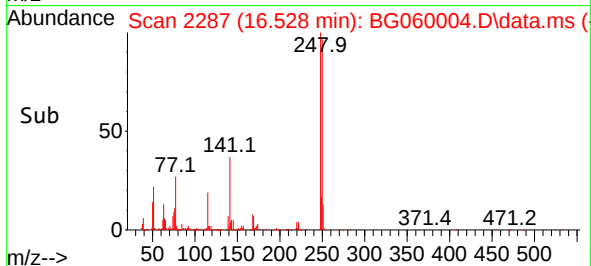
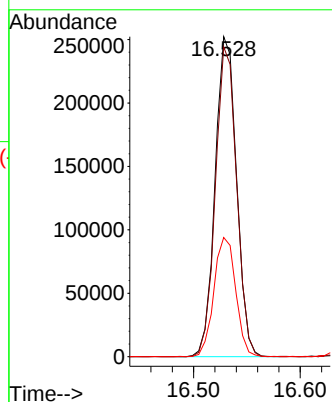
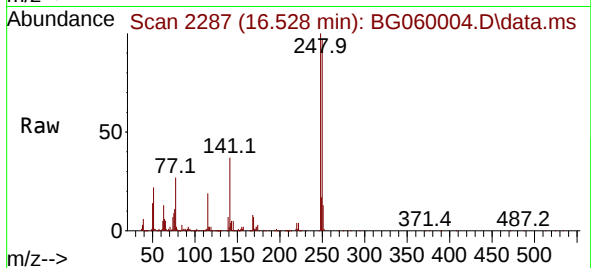
PB157131BS

Tgt Ion:248 Resp: 35070
Ion Ratio Lower Upper
248 100
250 96.8 79.9 119.9
141 37.2 28.3 42.5

Manual Integrations

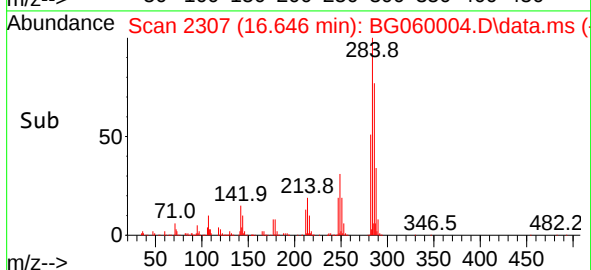
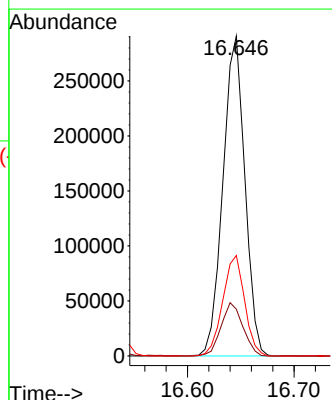
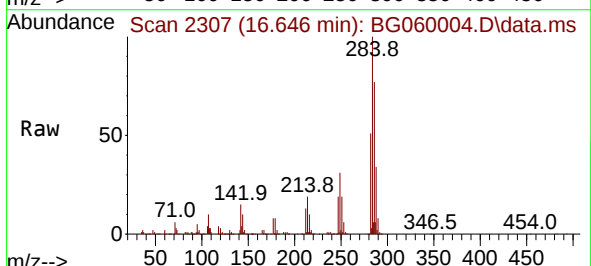
APPROVED

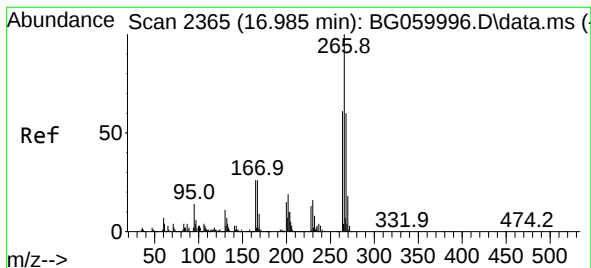
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#68
Hexachlorobenzene
Concen: 40.883 ng
RT: 16.646 min Scan# 2307
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion:284 Resp: 415234
Ion Ratio Lower Upper
284 100
142 14.6 11.7 17.5
249 31.4 26.1 39.1





#70
Pentachlorophenol
Concen: 90.526 ng
RT: 16.987 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

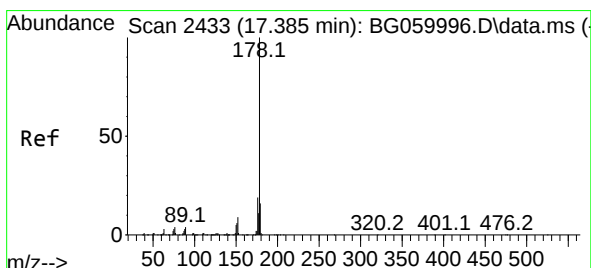
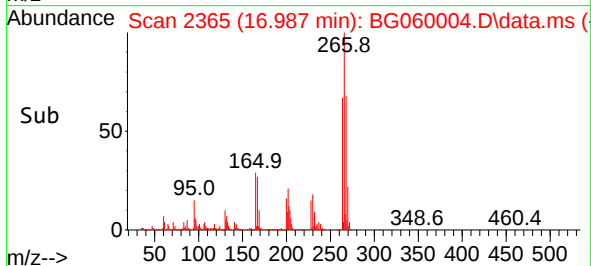
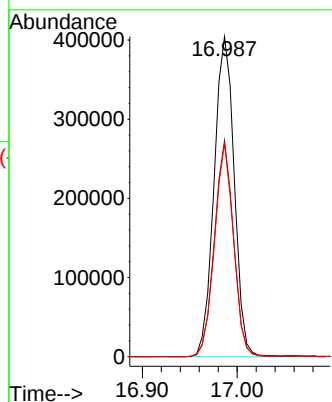
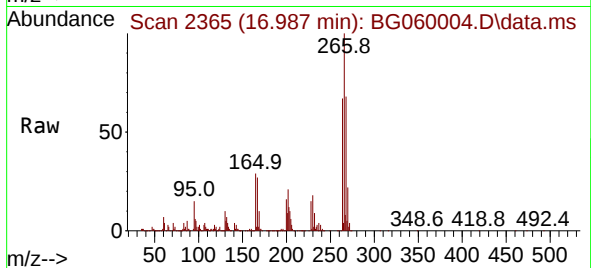
PB157131BS

Tgt Ion:266 Resp: 595639
Ion Ratio Lower Upper
266 100
268 67.6 47.9 71.9
264 66.6 48.8 73.2

Manual Integrations

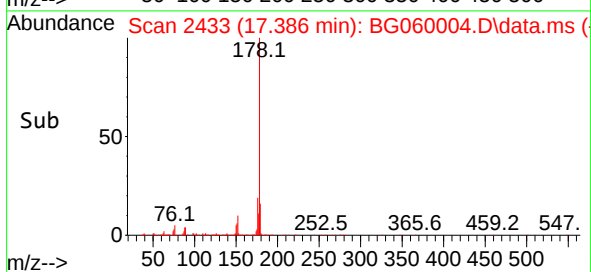
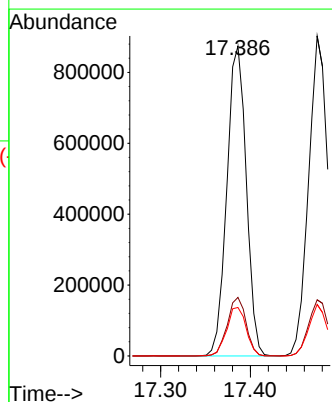
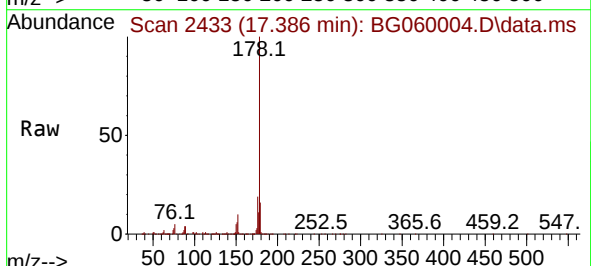
APPROVED

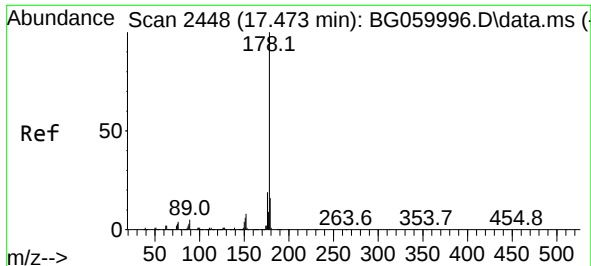
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#71
Phenanthrene
Concen: 43.964 ng
RT: 17.386 min Scan# 2433
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion:178 Resp: 1311302
Ion Ratio Lower Upper
178 100
176 18.9 15.6 23.4
179 15.7 12.6 19.0





#72
 Anthracene
 Concen: 44.745 ng
 RT: 17.474 min Scan# 2448
 Delta R.T. 0.001 min
 Lab File: BG060004.D
 Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

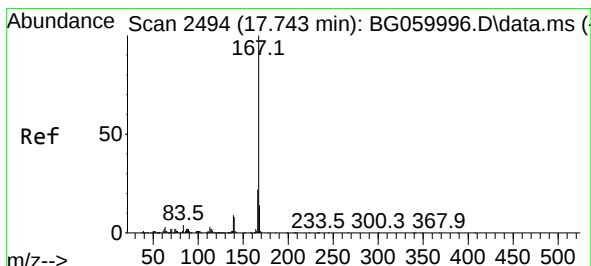
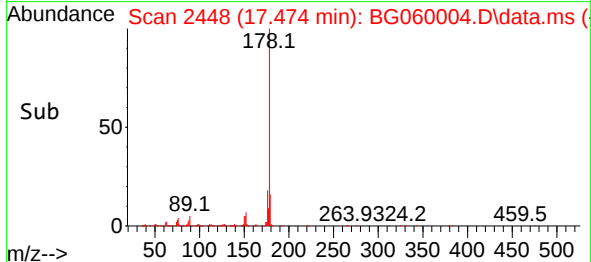
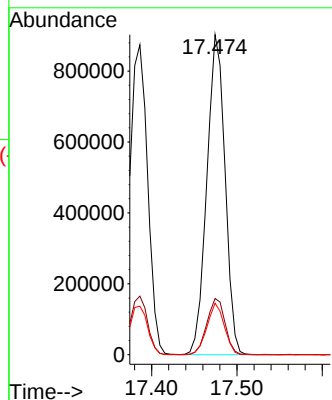
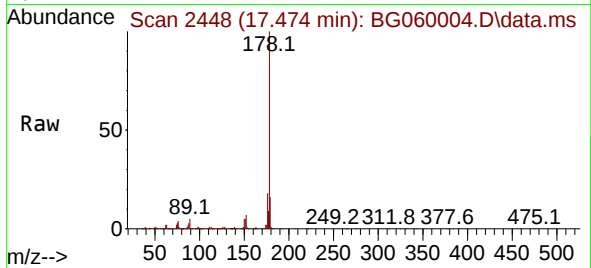
PB157131BS

Tgt Ion:178 Resp: 134186
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.0 22.6
 179 16.1 12.6 19.0

Manual Integrations

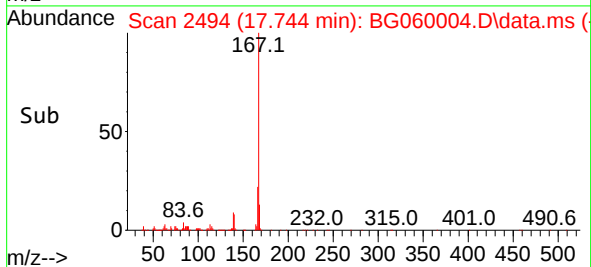
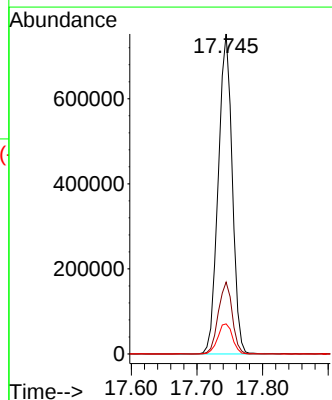
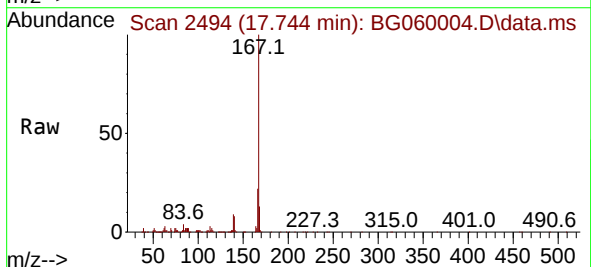
APPROVED

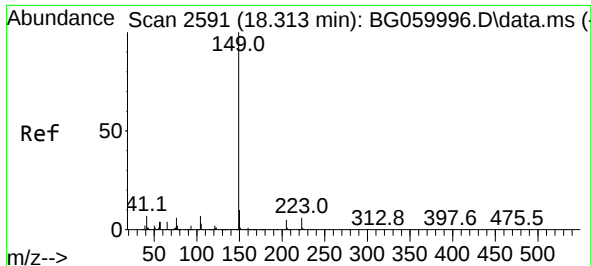
Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023



#73
 Carbazole
 Concen: 43.458 ng
 RT: 17.744 min Scan# 2494
 Delta R.T. 0.002 min
 Lab File: BG060004.D
 Acq: 13 Dec 2023 20:05

Tgt Ion:167 Resp: 1107481
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.4 26.0
 139 9.4 7.5 11.3





#74
Di-n-butylphthalate
Concen: 45.686 ng
RT: 18.309 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

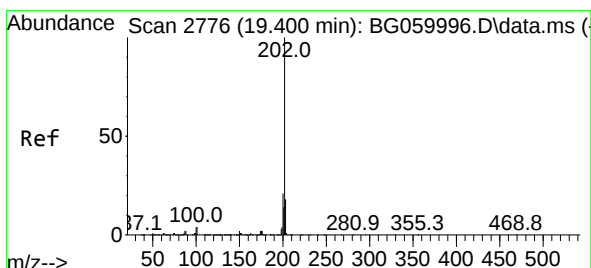
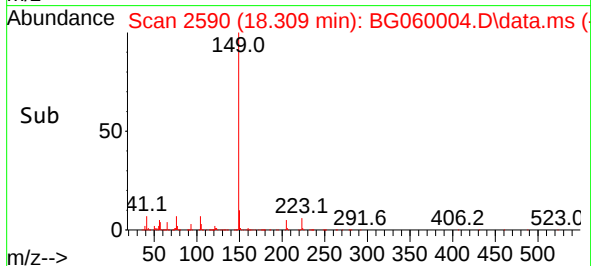
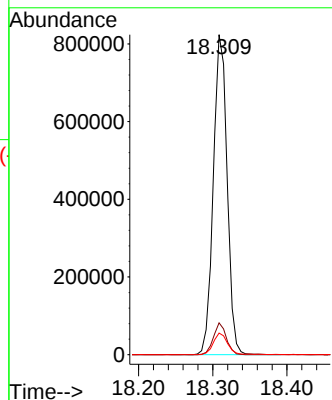
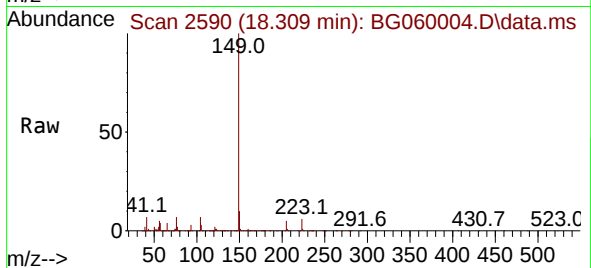
PB157131BS

Tgt Ion:149 Resp: 106208
Ion Ratio Lower Upper
149 100
150 10.0 7.9 11.9
104 6.7 5.6 8.4

Manual Integrations

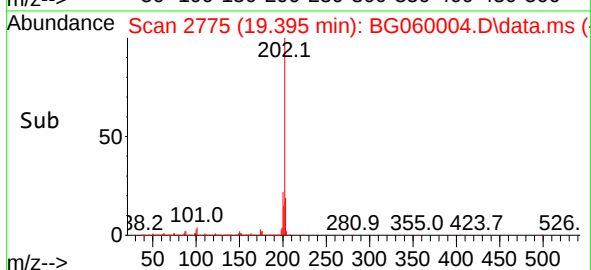
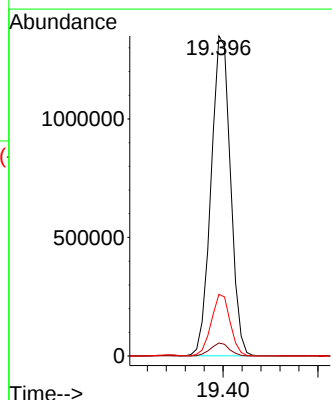
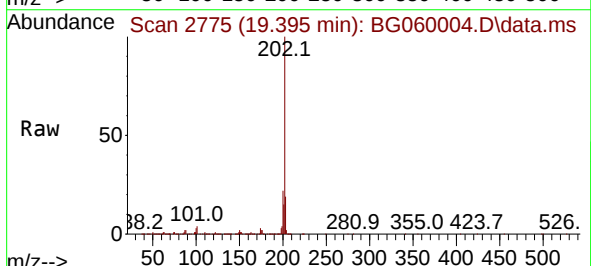
APPROVED

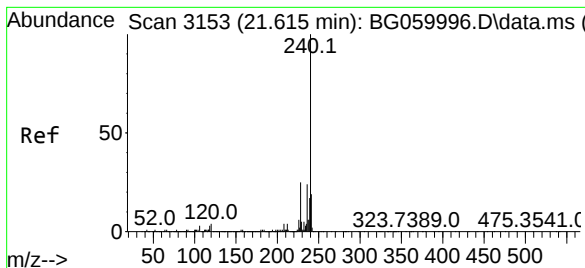
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#75
Fluoranthene
Concen: 44.155 ng
RT: 19.395 min Scan# 2775
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Tgt Ion:202 Resp: 1921828
Ion Ratio Lower Upper
202 100
101 4.1 0.0 24.2
203 19.3 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.616 min Scan# 3153

Delta R.T. 0.001 min

Lab File: BG060004.D

Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

PB157131BS

Tgt Ion:240 Resp: 77829

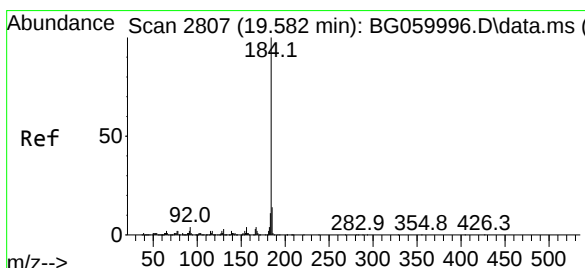
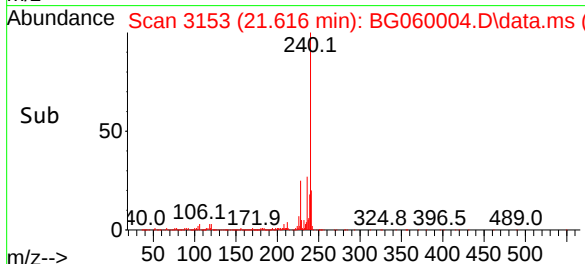
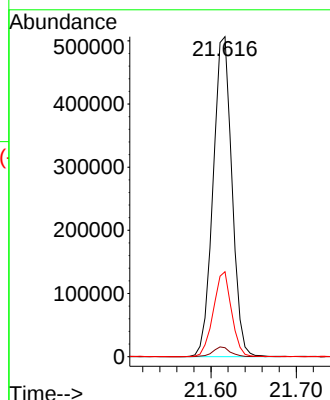
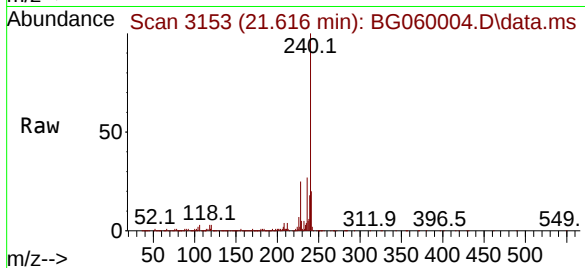
Ion	Ratio	Lower	Upper
240	100		
120	2.8	2.9	4.3
236	26.6	19.4	29.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#77

Benzidine

Concen: 34.164 ng

RT: 19.578 min Scan# 2806

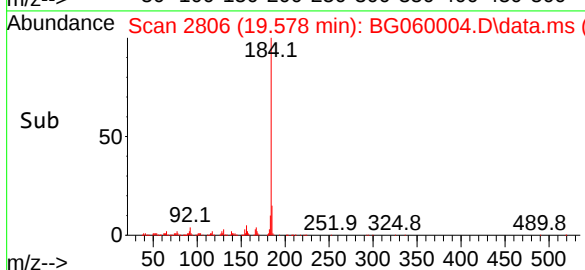
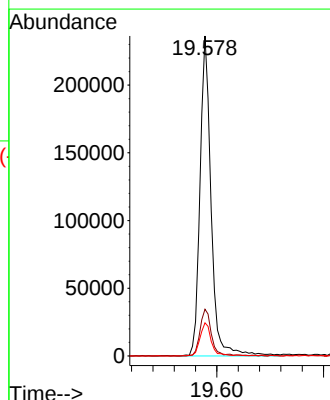
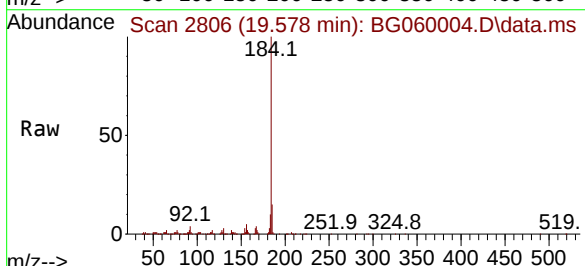
Delta R.T. -0.005 min

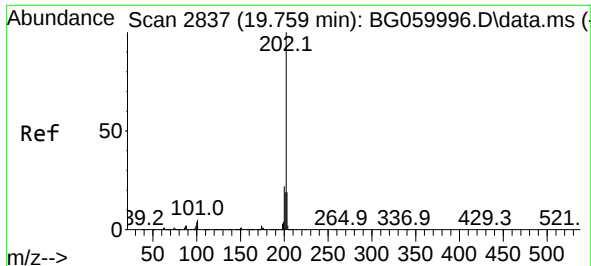
Lab File: BG060004.D

Acq: 13 Dec 2023 20:05

Tgt Ion:184 Resp: 341531

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.1	16.7
183	10.4	9.0	13.4





#78
 Pyrene
 Concen: 42.161 ng
 RT: 19.760 min Scan# 2837
 Delta R.T. 0.001 min
 Lab File: BG060004.D
 Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

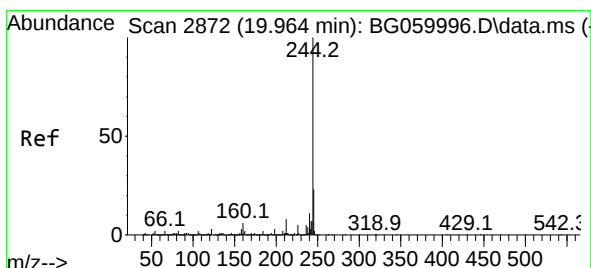
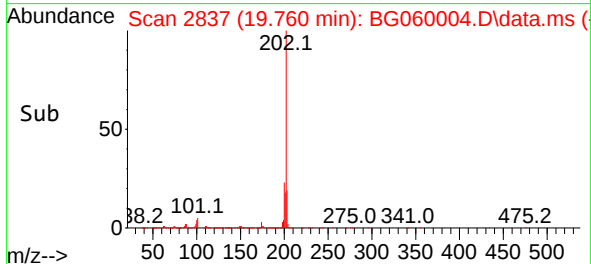
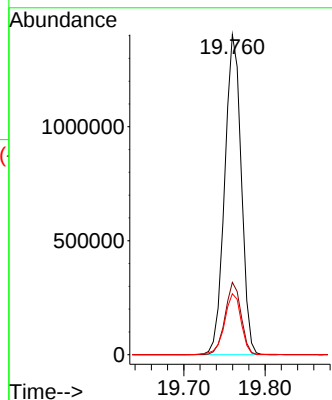
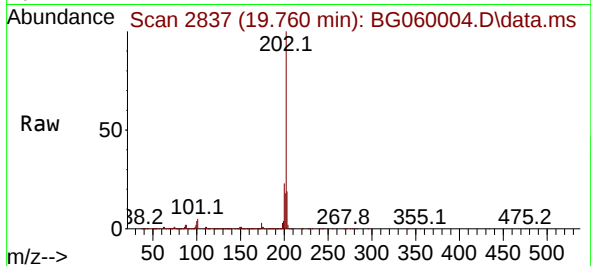
PB157131BS

Tgt Ion:202 Resp: 198911
 Ion Ratio Lower Upper
 202 100
 200 22.6 17.6 26.4
 203 19.0 14.9 22.3

Manual Integrations

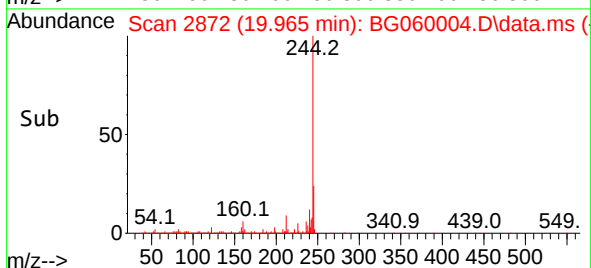
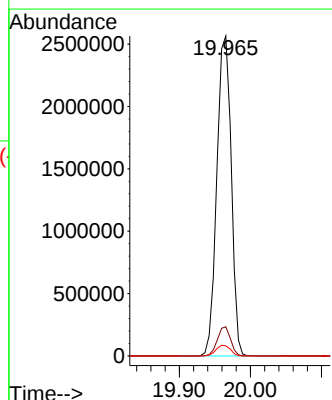
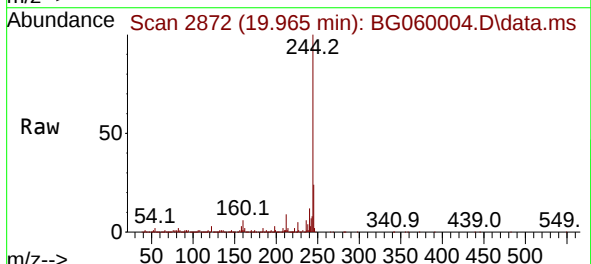
APPROVED

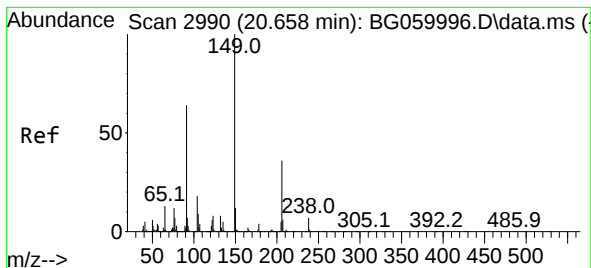
Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023



#79
 Terphenyl-d14
 Concen: 84.202 ng
 RT: 19.965 min Scan# 2872
 Delta R.T. 0.001 min
 Lab File: BG060004.D
 Acq: 13 Dec 2023 20:05

Tgt Ion:244 Resp: 3589514
 Ion Ratio Lower Upper
 244 100
 212 9.1 6.8 10.2
 122 3.2 2.6 3.8





#80

Butylbenzylphthalate

Concen: 47.601 ng

RT: 20.659 min Scan# 2990

Delta R.T. 0.001 min

Lab File: BG060004.D

Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

PB157131BS

Tgt Ion:149 Resp: 40333

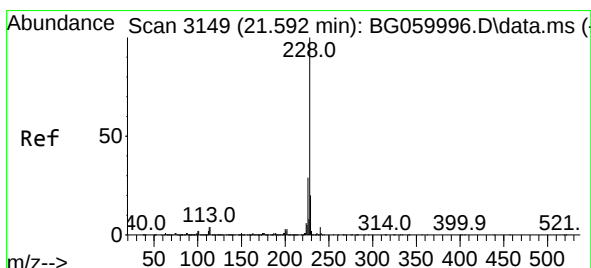
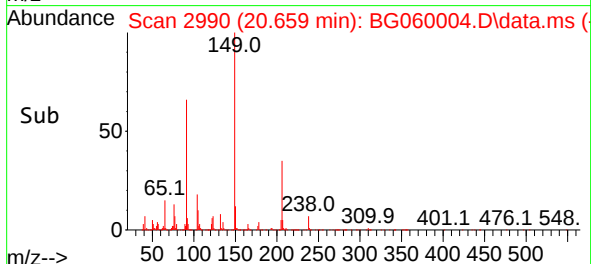
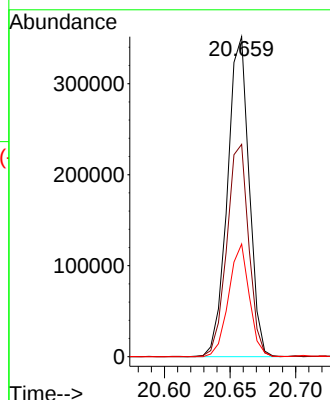
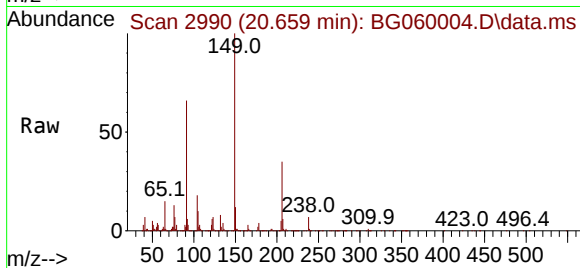
Ion	Ratio	Lower	Upper
149	100		
91	66.4	51.3	76.9
206	35.2	28.8	43.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#81

Benzo(a)anthracene

Concen: 44.249 ng

RT: 21.593 min Scan# 3149

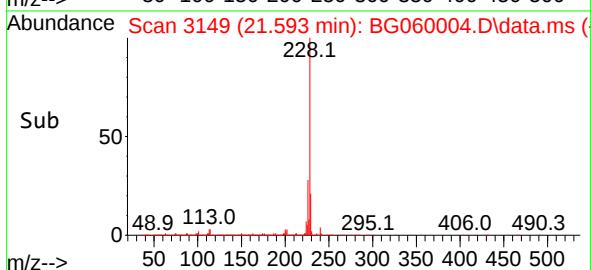
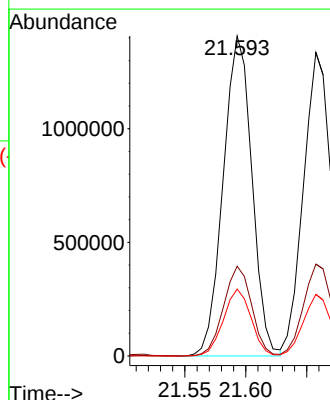
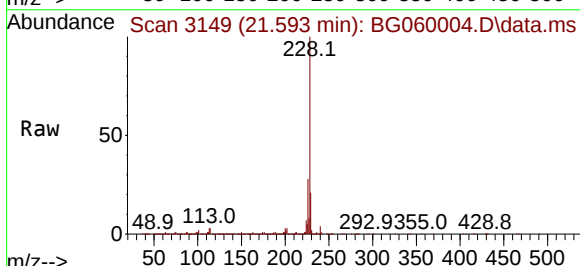
Delta R.T. 0.001 min

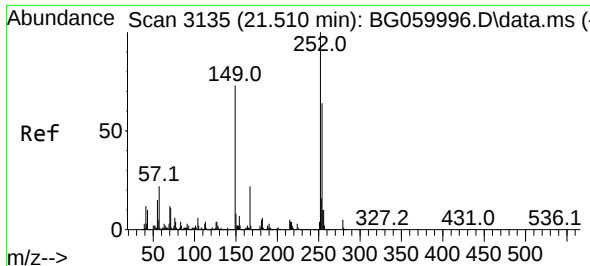
Lab File: BG060004.D

Acq: 13 Dec 2023 20:05

Tgt Ion:228 Resp: 2313331

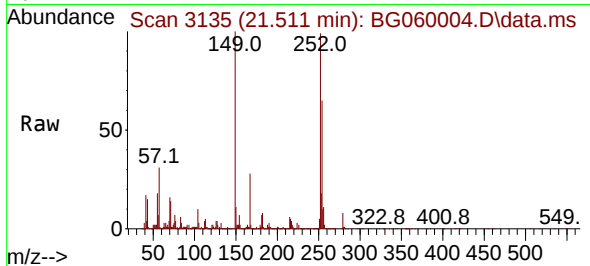
Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.9	34.3
229	20.9	16.2	24.2





#82
3,3'-Dichlorobenzidine
Concen: 38.624 ng
RT: 21.511 min Scan# 3135
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

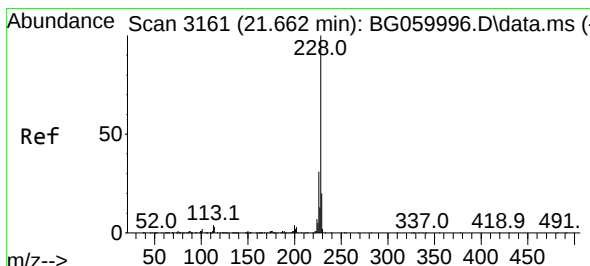
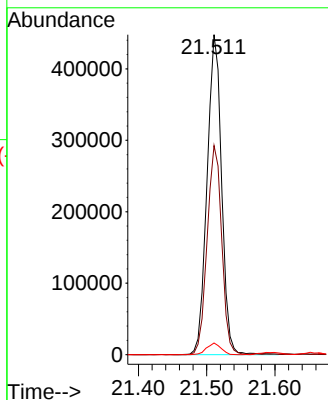
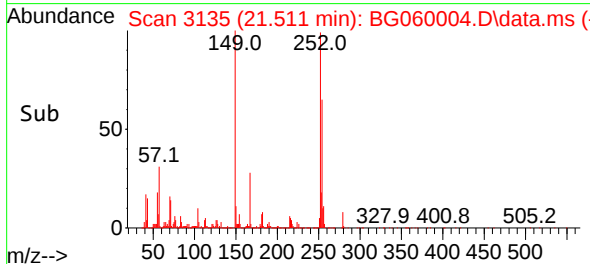
Instrument :
BNA_G
ClientSampleId :
PB157131BS



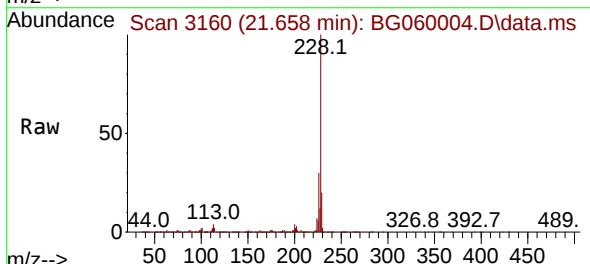
Tgt Ion:252 Resp: 664449
Ion Ratio Lower Upper
252 100
254 65.3 51.0 76.4
126 3.6 3.0 4.4

Manual Integrations
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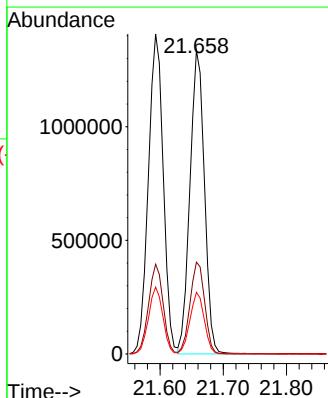
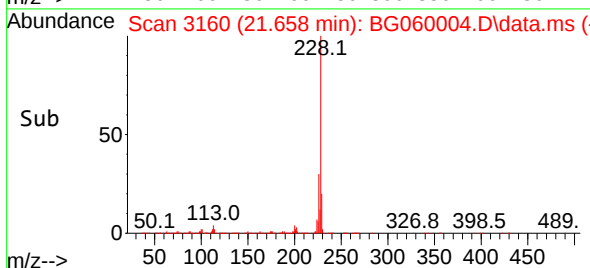
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

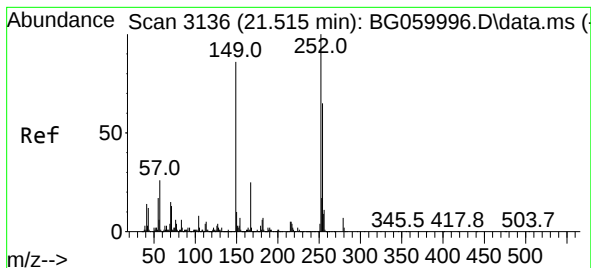


#83
Chrysene
Concen: 43.016 ng
RT: 21.658 min Scan# 3160
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05



Tgt Ion:228 Resp: 2130589
Ion Ratio Lower Upper
228 100
226 30.3 25.0 37.6
229 20.3 16.2 24.2





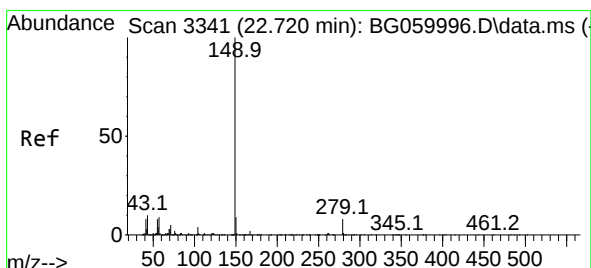
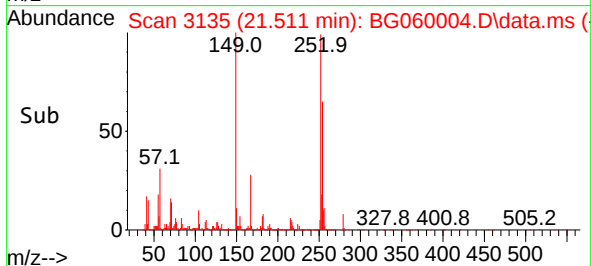
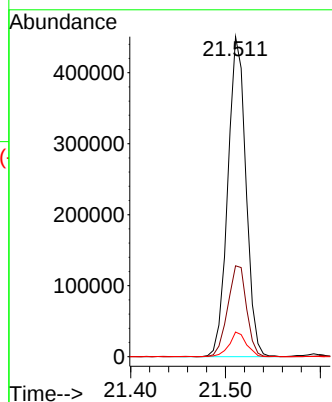
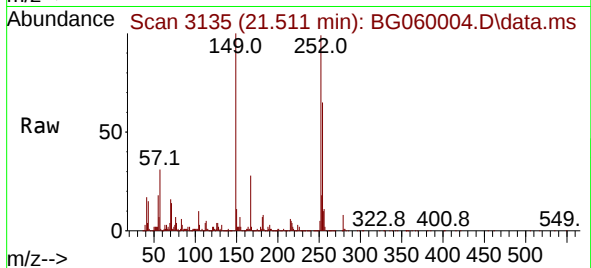
#84
Bis(2-ethylhexyl)phthalate
Concen: 46.496 ng
RT: 21.511 min Scan# 3136
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

Instrument :
BNA_G
ClientSampleId :
PB157131BS

Tgt Ion:149 Resp: 597150
Ion Ratio Lower Upper
149 100
167 28.4 23.0 34.6
279 7.7 6.2 9.2

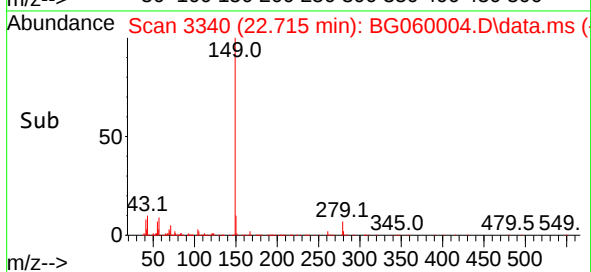
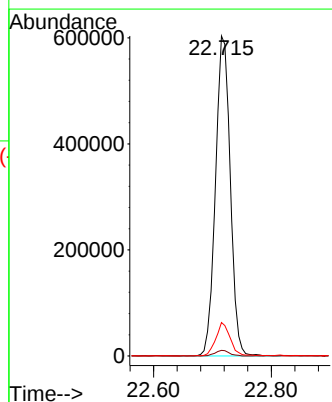
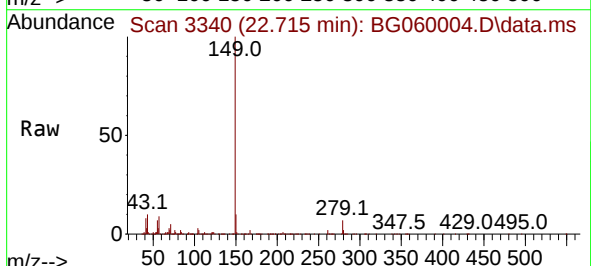
Manual Integrations
APPROVED

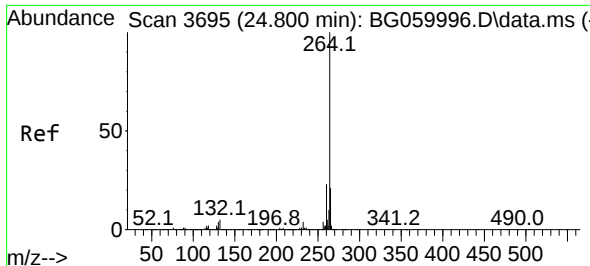
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#85
Di-n-octyl phthalate
Concen: 47.449 ng
RT: 22.715 min Scan# 3340
Delta R.T. -0.005 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

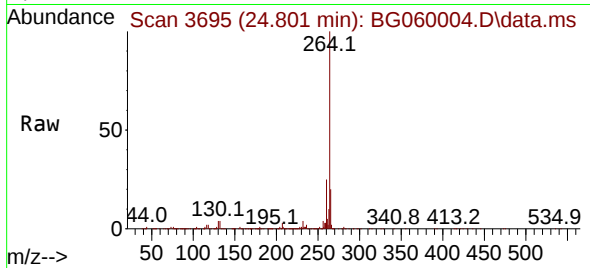
Tgt Ion:149 Resp: 1054107
Ion Ratio Lower Upper
149 100
167 1.7 1.4 2.2
43 10.4 8.3 12.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.801 min Scan# 30
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05

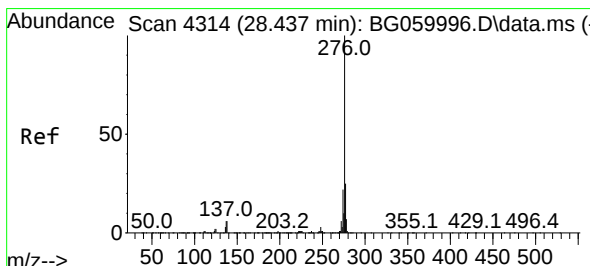
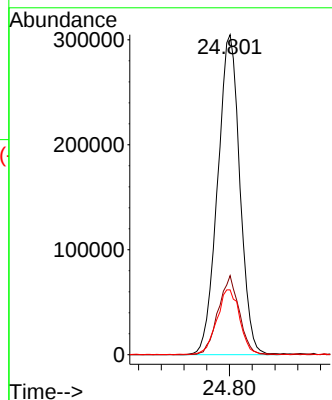
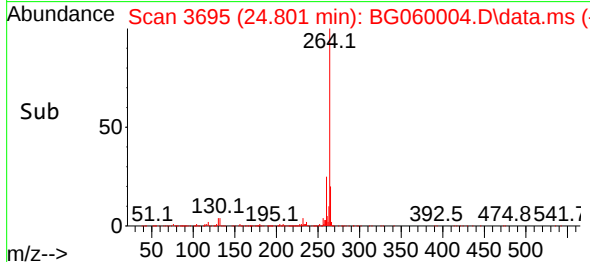
Instrument :
BNA_G
ClientSampleId :
PB157131BS



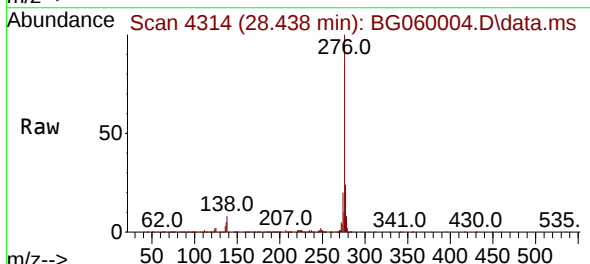
Tgt Ion:264 Resp: 82697
Ion Ratio Lower Upper
264 100
260 24.7 18.5 27.7
265 20.3 17.3 25.9

Manual Integrations
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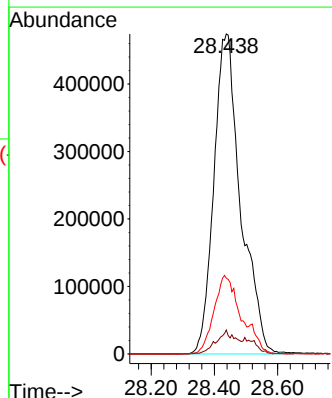
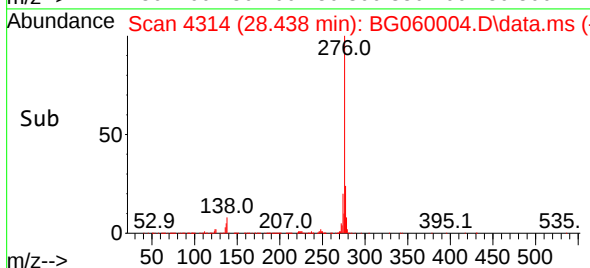
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

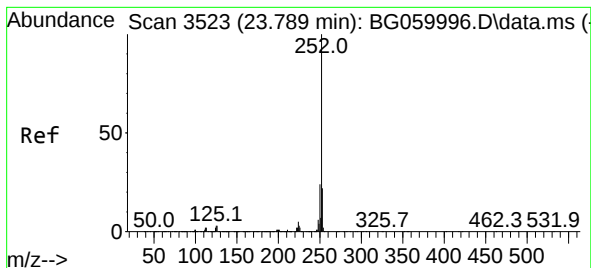


#87
Indeno(1,2,3-cd)pyrene
Concen: 47.283 ng
RT: 28.438 min Scan# 4314
Delta R.T. 0.001 min
Lab File: BG060004.D
Acq: 13 Dec 2023 20:05



Tgt Ion:276 Resp: 2790578
Ion Ratio Lower Upper
276 100
138 3.7 4.7 7.1#
277 22.3 20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 45.778 ng

RT: 23.790 min Scan# 3523

Delta R.T. 0.001 min

Lab File: BG060004.D

Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

PB157131BS

Tgt Ion:252 Resp: 233803

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

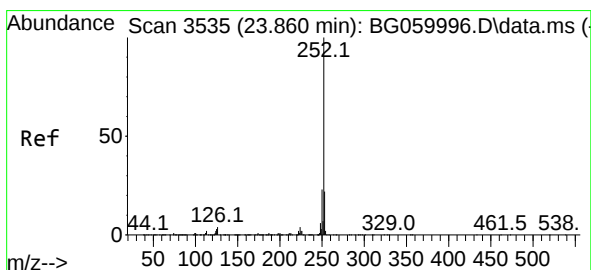
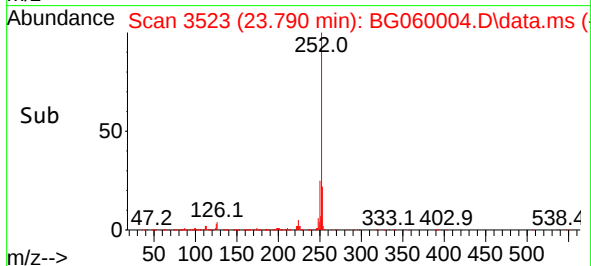
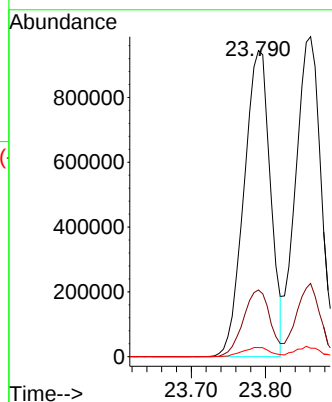
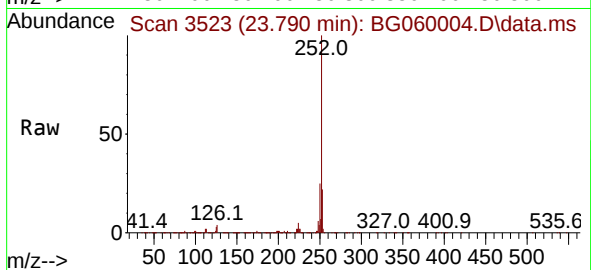
125 3.0 2.6 4.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#89

Benzo(k)fluoranthene

Concen: 47.323 ng

RT: 23.861 min Scan# 3535

Delta R.T. 0.001 min

Lab File: BG060004.D

Acq: 13 Dec 2023 20:05

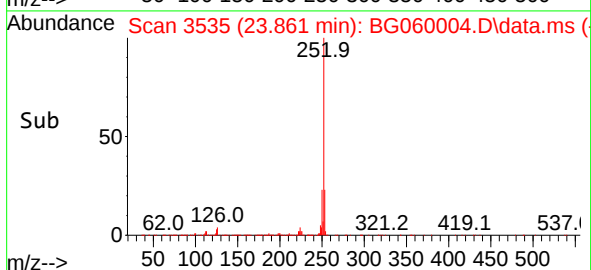
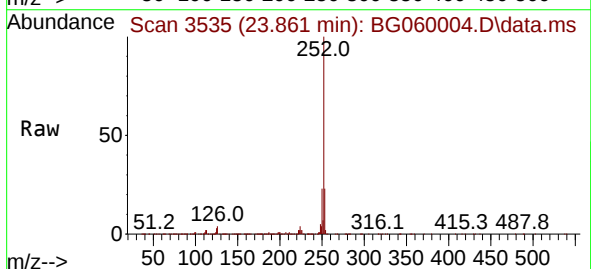
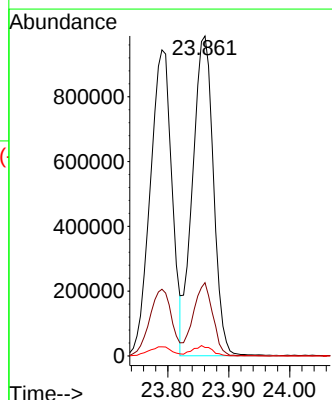
Tgt Ion:252 Resp: 2344388

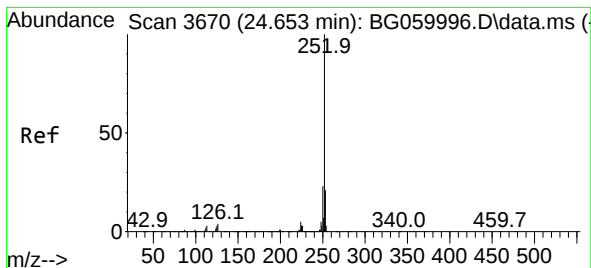
Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

125 2.7 2.5 3.7





#90

Benzo(a)pyrene

Concen: 46.358 ng

RT: 24.654 min Scan# 30

Delta R.T. 0.001 min

Lab File: BG060004.D

Acq: 13 Dec 2023 20:05

Instrument :

BNA_G

ClientSampleId :

PB157131BS

Tgt Ion:252 Resp: 209766

Ion Ratio Lower Upper

252 100

253 21.5 17.1 25.7

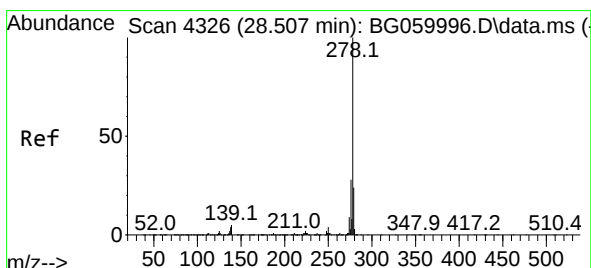
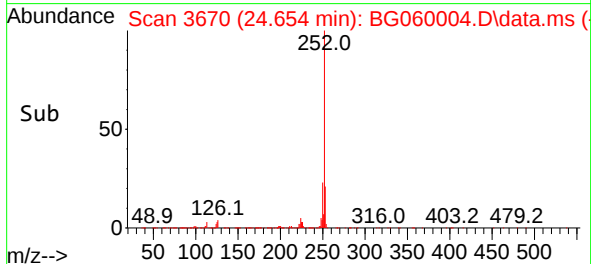
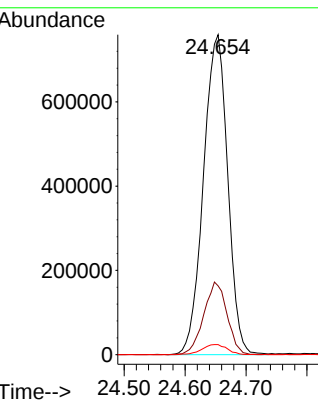
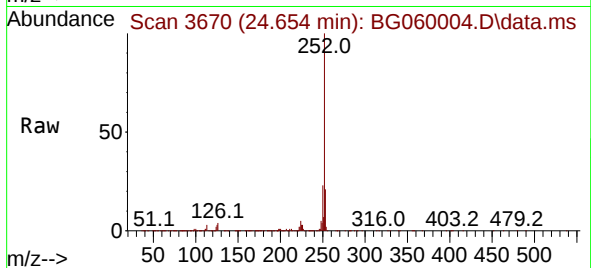
125 3.2 2.6 4.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#91

Dibenzo(a,h)anthracene

Concen: 48.901 ng

RT: 28.508 min Scan# 4326

Delta R.T. 0.001 min

Lab File: BG060004.D

Acq: 13 Dec 2023 20:05

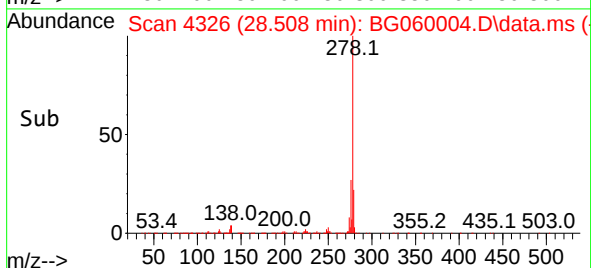
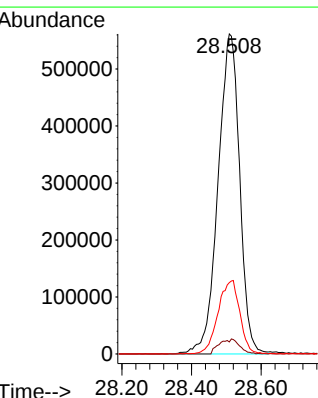
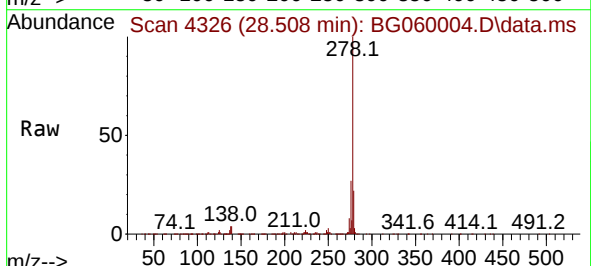
Tgt Ion:278 Resp: 2413380

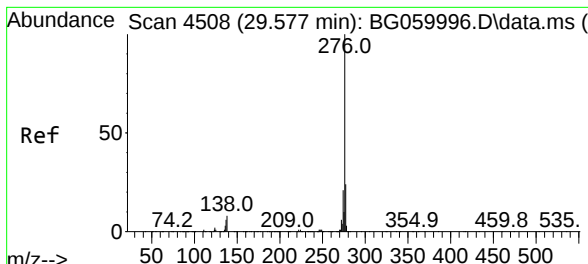
Ion Ratio Lower Upper

278 100

139 3.8 4.4 6.6#

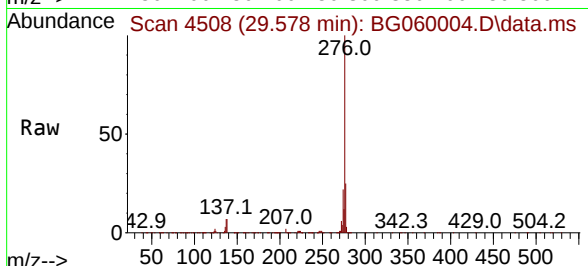
279 22.3 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 45.517 ng
 RT: 29.578 min Scan# 4
 Delta R.T. 0.001 min
 Lab File: BG060004.D
 Acq: 13 Dec 2023 20:05

Instrument : BNA_G
 ClientSampleId : PB157131BS



Tgt Ion: 276 Resp: 2234450

Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.4	29.2
138	7.3	6.0	9.0

Manual Integrations
APPROVED
 Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

