

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092823\
 Data File : BG059263.D
 Acq On : 29 Sep 2023 11:18
 Operator : MA/JU
 Sample : PB155823BS
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BBJY7

Quant Time: Sep 30 02:00:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 04:33:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.230	152	46027	20.000	ng/u1	0.00
20) Naphthalene-d8	11.074	136	221017	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.863	164	135591	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.613	188	302341	20.000	ng/u1	0.00
79) Chrysene-d12	21.920	240	277164	20.000	ng/u1	0.00
88) Perylene-d12	25.398	264	316137	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.524	96	9673	7.932	ng/uL	0.00
4) Pyridine-d5	3.964	84	131263	36.889	ng/u1	0.00
7) Phenol-d5	7.360	99	199606	43.325	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.554	67	114265	38.824	ng/u1	0.00
11) 2-Chlorophenol-d4	7.748	132	137973	44.550	ng/u1	0.00
15) 4-Methylphenol-d8	8.929	113	146902	41.249	ng/u1	0.00
21) Nitrobenzene-d5	9.428	128	73366	47.041	ng/u1	0.00
24) 2-Nitrophenol-d4	10.151	143	77494	50.614	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.680	165	146513	46.582	ng/u1	0.00
31) 4-Chloroaniline-d4	11.220	131	203285	39.948	ng/u1	0.00
46) Dimethylphthalate-d6	14.264	166	432906	44.160	ng/u1	0.00
49) Acenaphthylene-d8	14.570	160	530864	43.143	ng/u1	0.00
54) 4-Nitrophenol-d4	15.063	143	80490	47.018	ng/u1	0.00
60) Fluorene-d10	15.856	176	402805	43.171	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.968	200	74997	48.258	ng/u1	0.00
73) Anthracene-d10	17.713	188	577413	41.914	ng/u1	0.00
81) Pyrene-d10	19.987	212	666019	42.910	ng/u1	0.00
92) Benzo(a)pyrene-d12	25.157	264	682899	44.952	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.565	88	21004	14.660	ng/uL#	81
5) Pyridine	3.982	79	127569	35.305	ng/u1	95
6) Benzaldehyde	7.378	77	102653	50.737	ng/u1	88
8) Phenol	7.390	94	205683	44.878	ng/u1	94
10) Bis(2-Chloroethyl)ether	7.648	93	157401	41.875	ng/u1	96
12) 2-Chlorophenol	7.783	128	147154	45.065	ng/u1	96
13) 2-Methylphenol	8.659	108	141367	40.826	ng/u1	93
14) 2,2'-oxybis(1-Chloropr...	8.735	45	336815	40.533	ng/u1	99
16) Acetophenone	9.076	105	230800	41.845	ng/u1	98
17) N-Nitroso-di-n-propyla...	9.041	70	115484	41.277	ng/u1	99
18) 4-Methylphenol	8.994	108	157103	42.821	ng/u1	93
19) Hexachloroethane	9.311	117	55874	43.434	ng/u1	93
22) Nitrobenzene	9.475	77	175286	45.529	ng/u1	95
23) Isophorone	9.981	82	353945	42.752	ng/u1	97
25) 2-Nitrophenol	10.181	139	88648	52.548	ng/u1	96
26) 2,4-Dimethylphenol	10.210	107	116915	32.412	ng/u1	96
27) Bis(2-Chloroethoxy)met...	10.463	93	224003	42.882	ng/u1	97
29) 2,4-Dichlorophenol	10.703	162	145480	46.531	ng/u1	98
30) Naphthalene	11.126	128	505563	42.662	ng/u1	98
32) 4-Chloroaniline	11.244	127	195127	40.099	ng/u1	97
33) Hexachlorobutadiene	11.356	225	94355	45.093	ng/u1	96
34) Caprolactam	12.078	113	9272	8.571	ng/u1	89
35) 4-Chloro-3-methylphenol	12.325	107	152286	45.651	ng/u1	99
36) 2-Methylnaphthalene	12.707	142	334568	43.097	ng/u1	97

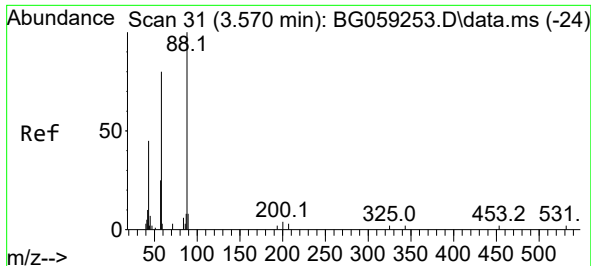
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.930	142	329497	41.819	ng/ul#	94
39) 1,2,4,5-Tetrachloroben...	13.054	216	174763	43.052	ng/ul	97
40) Hexachlorocyclopentadiene	13.007	237	84791	33.861	ng/ul	94
41) 2,4,6-Trichlorophenol	13.300	196	117638	47.333	ng/ul#	82
42) 2,4,5-Trichlorophenol	13.371	196	124131	47.598	ng/ul	95
43) 1,1'-Biphenyl	13.700	154	476030	43.471	ng/ul	96
44) 2-Chloronaphthalene	13.753	162	363231	44.056	ng/ul	96
45) 2-Nitroaniline	13.976	65	118711	51.045	ng/ul	94
47) Dimethylphthalate	14.311	163	454720	45.286	ng/ul	100
48) 2,6-Dinitrotoluene	14.452	165	92545	54.190	ng/ul#	88
50) Acenaphthylene	14.599	152	583957	44.461	ng/ul	98
51) 3-Nitroaniline	14.793	138	95199	51.638	ng/ul#	97
52) Acenaphthene	14.928	153	401626	44.549	ng/ul	94
53) 2,4-Dinitrophenol	14.987	184	44896	47.292	ng/ul#	88
55) 4-Nitrophenol	15.075	109	57906	47.952	ng/ul	93
56) Dibenzofuran	15.263	168	520506	43.556	ng/ul	96
57) 2,4-Dinitrotoluene	15.233	165	131396	51.962	ng/ul	91
58) 2,3,4,6-Tetrachlorophenol	15.474	232	114501	48.499	ng/ul	96
59) Diethylphthalate	15.656	149	443966	45.736	ng/ul	97
61) Fluorene	15.909	166	443733	44.223	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.891	204	222554	44.494	ng/ul	98
63) 4-Nitroaniline	15.962	138	99609	58.710	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.980	198	84442	51.532	ng/ul#	86
67) N-Nitrosodiphenylamine	16.115	169	361415	44.845	ng/ul	97
68) 4-Bromophenyl-phenylether	16.790	248	131523	44.904	ng/ul	97
69) Hexachlorobenzene	16.884	284	152006	45.937	ng/ul	94
70) Atrazine	17.049	200	131052	42.765	ng/ul	94
71) Pentachlorophenol	17.237	266	90682	47.617	ng/ul#	87
72) Phenanthrene	17.660	178	750741	45.247	ng/ul	99
74) Anthracene	17.748	178	741773	43.296	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.665	216	172080	43.190	ng/ul	98
76) Pentachlorobenzene	15.157	250	165128	41.975	ng/ul	99
77) Carbazole	18.030	167	646214	46.278	ng/ul	98
78) Di-n-butylphthalate	18.530	149	787384	47.569	ng/ul	100
80) Fluoranthene	19.652	202	864872	45.232	ng/ul	99
82) Pyrene	20.016	202	900808	44.477	ng/ul	99
83) Butylbenzylphthalate	20.874	149	347650	48.676	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.814	252	286931	44.702	ng/ul	98
85) Benzo(a)anthracene	21.896	228	869716	44.576	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.726	149	511436	47.158	ng/ul	97
87) Chrysene	21.967	228	815493	44.254	ng/ul	100
89) Di-n-octyl phthalate	23.024	149	881176	47.926	ng/ul	100
90) Benzo(b)fluoranthene	24.276	252	887487	45.835	ng/ul	98
91) Benzo(k)fluoranthene	24.352	252	903080	46.030	ng/ul	98
93) Benzo(a)pyrene	25.239	252	840249	45.744	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	29.429	276	868227	41.756	ng/ul	99
95) Dibenzo(a,h)anthracene	29.505	278	779261	46.085	ng/ul	100
96) Benzo(g,h,i)perylene	30.709	276	764067	45.193	ng/ul	98

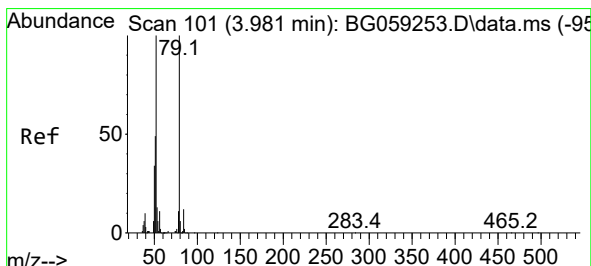
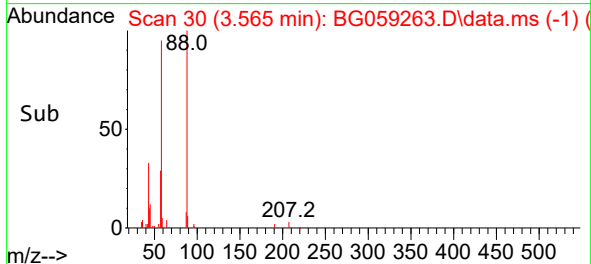
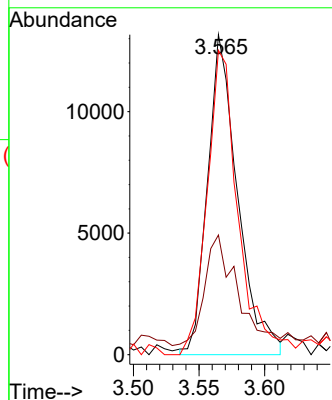
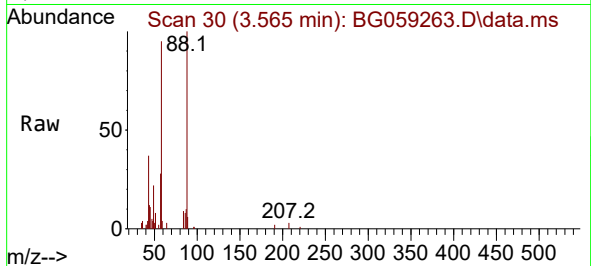
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#2
1,4-Dioxane
Concen: 14.660 ng/uL
RT: 3.565 min Scan# 30
Delta R.T. -0.001 min
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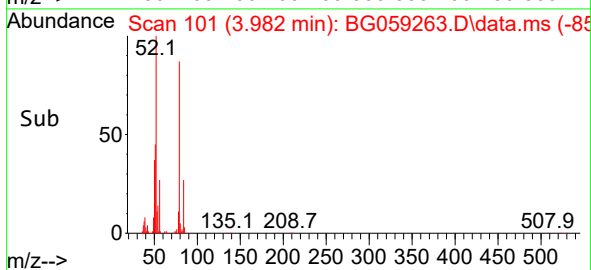
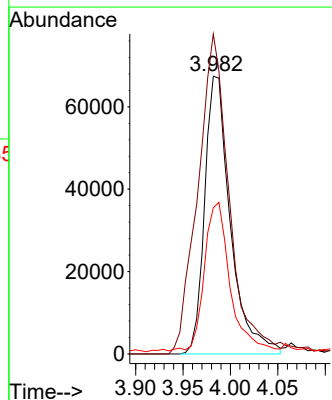
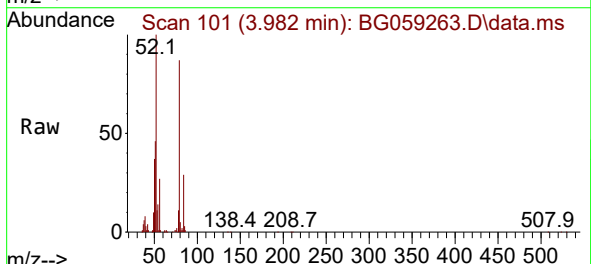
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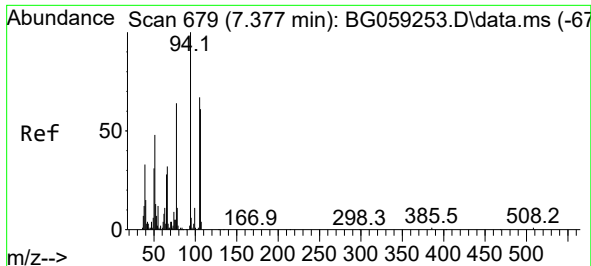
Tgt Ion: 88 Resp: 21004
Ion Ratio Lower Upper
88 100
43 37.4 34.5 51.7
58 95.1 96.6 145.0#



#5
Pyridine
Concen: 35.305 ng/uL
RT: 3.982 min Scan# 101
Delta R.T. -0.007 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

Tgt Ion: 79 Resp: 127569
Ion Ratio Lower Upper
79 100
52 115.2 94.8 142.2
51 52.7 48.2 72.2

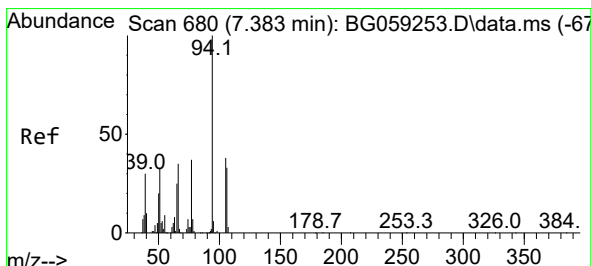
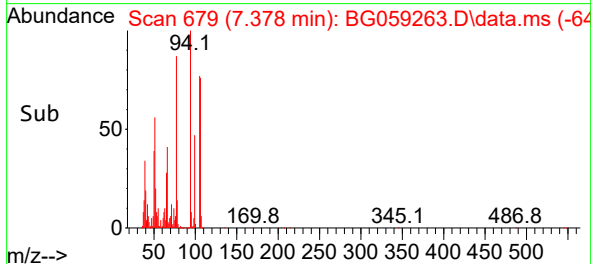
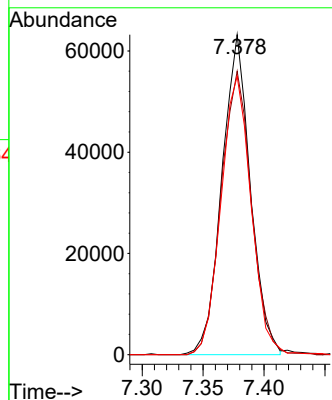
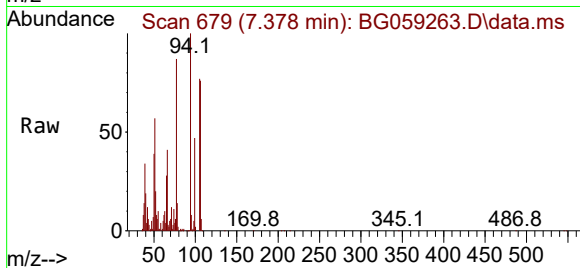




#6
Benzaldehyde
Concen: 50.737 ng/ul
RT: 7.378 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

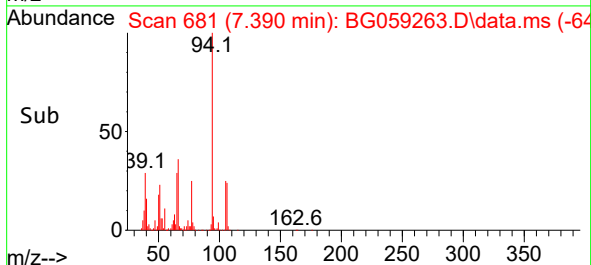
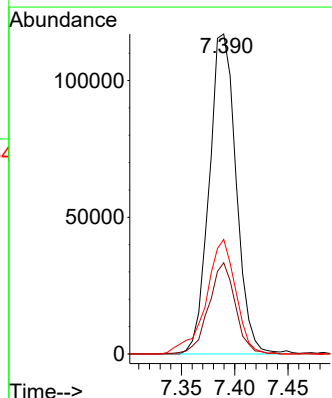
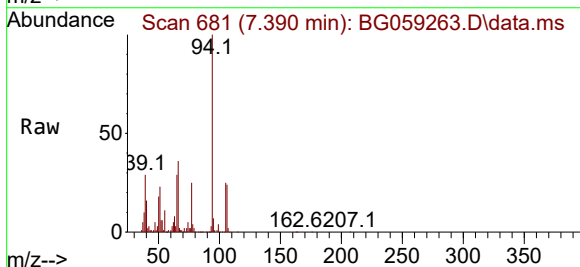
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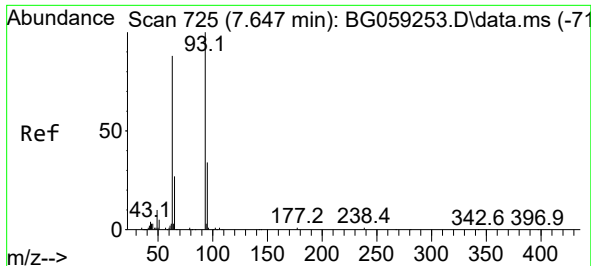
Tgt Ion: 77 Resp: 102653
Ion Ratio Lower Upper
77 100
105 88.6 81.4 122.2
106 87.0 78.3 117.5



#8
Phenol
Concen: 44.878 ng/ul
RT: 7.390 min Scan# 681
Delta R.T. 0.005 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

Tgt Ion: 94 Resp: 205683
Ion Ratio Lower Upper
94 100
65 28.5 23.6 35.4
66 35.8 24.6 37.0

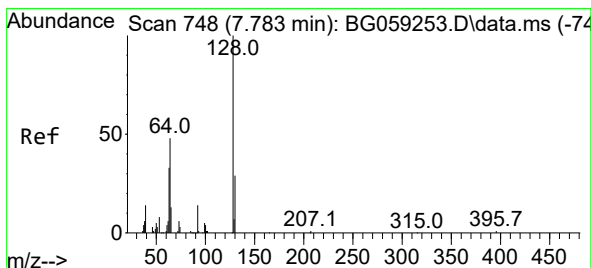
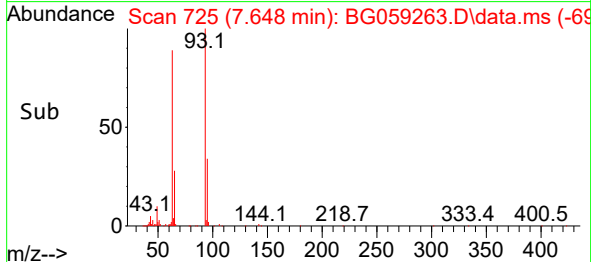
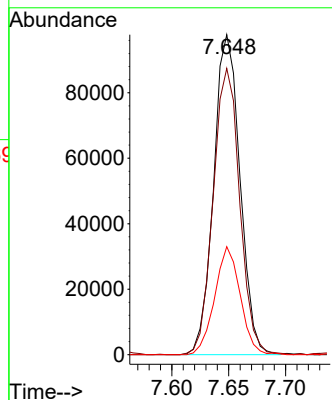
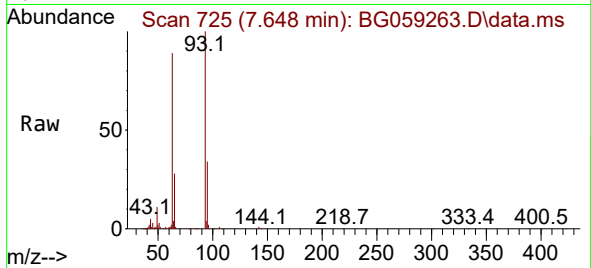




#10
Bis(2-Chloroethyl)ether
Concen: 41.875 ng/ul
RT: 7.648 min Scan# 71
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

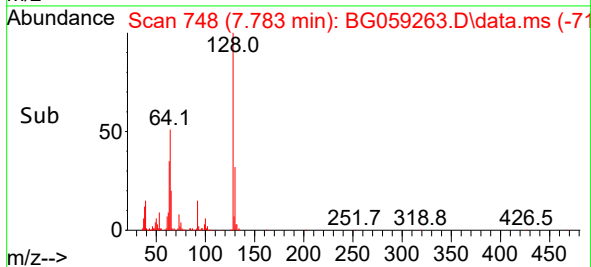
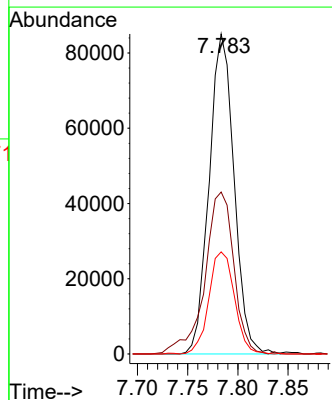
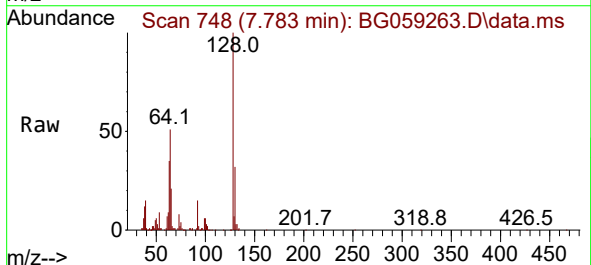
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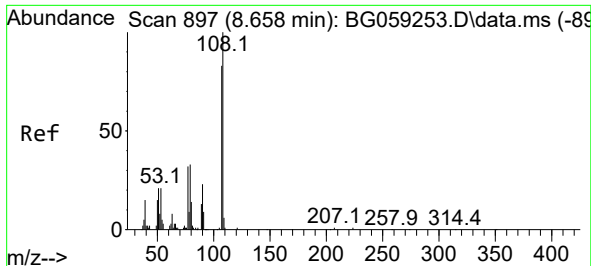
Tgt Ion: 93 Resp: 157401
Ion Ratio Lower Upper
93 100
63 89.5 76.0 114.0
95 33.7 26.6 39.8



#12
2-Chlorophenol
Concen: 45.065 ng/ul
RT: 7.783 min Scan# 748
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

Tgt Ion:128 Resp: 147154
Ion Ratio Lower Upper
128 100
64 50.6 42.6 64.0
130 31.9 23.3 34.9

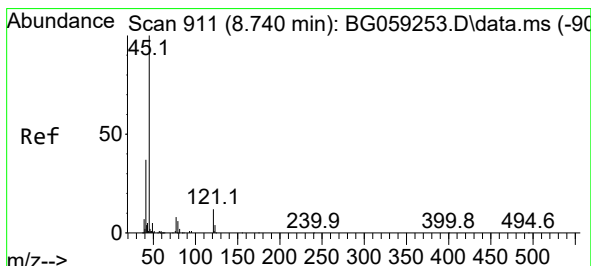
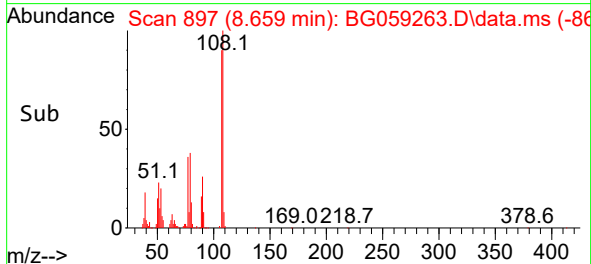
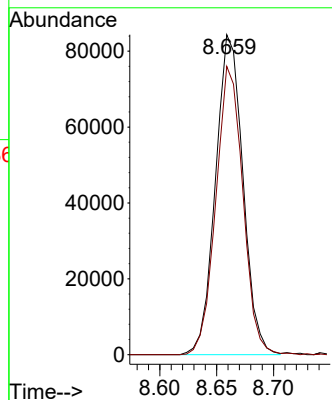
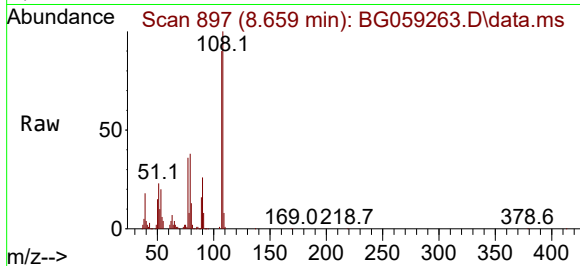




#13
2-Methylphenol
Concen: 40.826 ng/ul
RT: 8.659 min Scan# 897
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

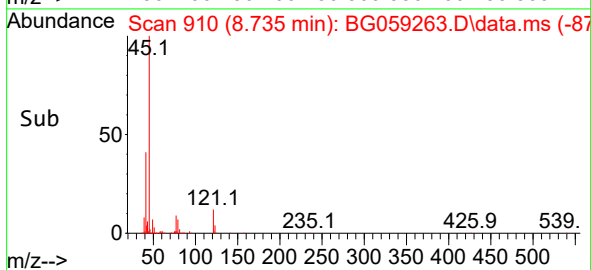
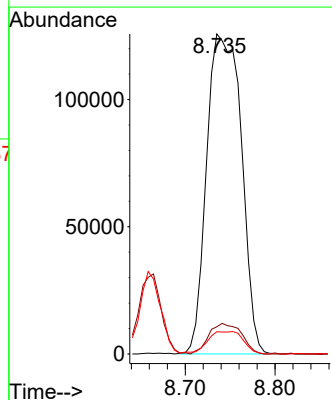
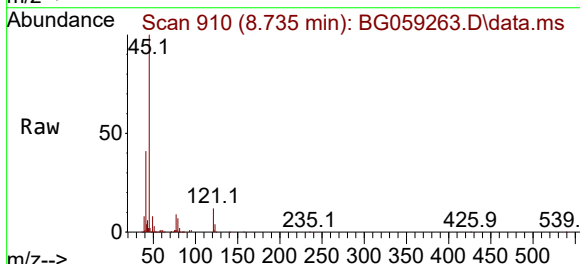
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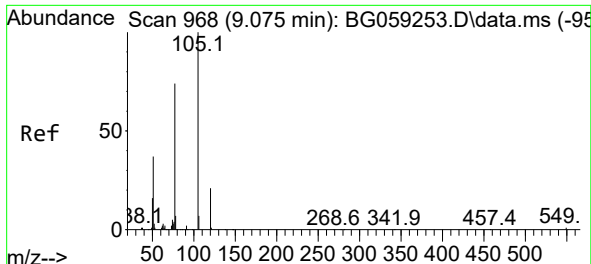
Tgt Ion:108 Resp: 141367
Ion Ratio Lower Upper
108 100
107 90.1 67.3 100.9



#14
2,2'-oxybis(1-Chloropropane)
Concen: 40.533 ng/ul
RT: 8.735 min Scan# 910
Delta R.T. -0.007 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

Tgt Ion: 45 Resp: 336815
Ion Ratio Lower Upper
45 100
77 8.5 6.6 9.8
79 6.9 5.9 8.9

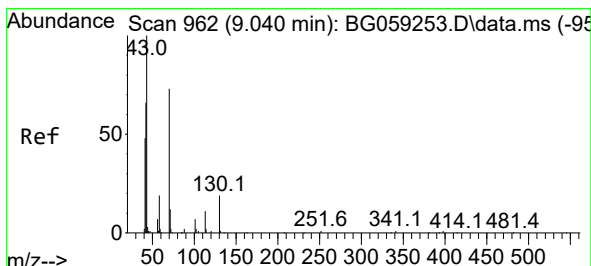
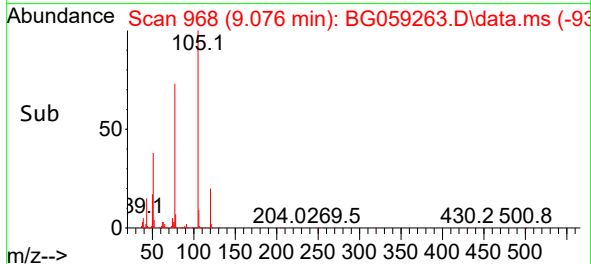
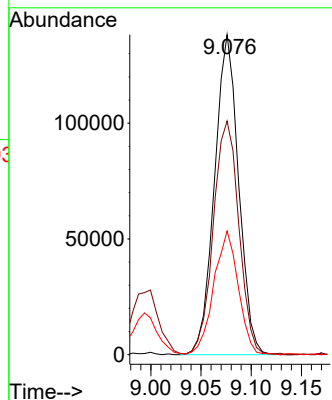
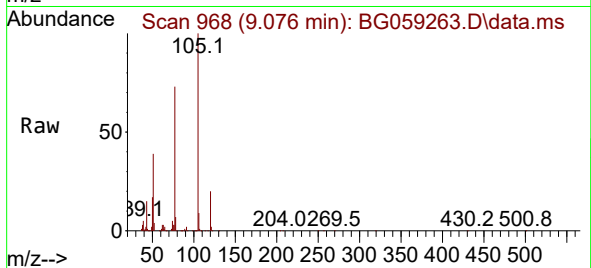




#16
Acetophenone
Concen: 41.845 ng/ul
RT: 9.076 min Scan# 90
Delta R.T. -0.001 min
Lab File: BG059263.D
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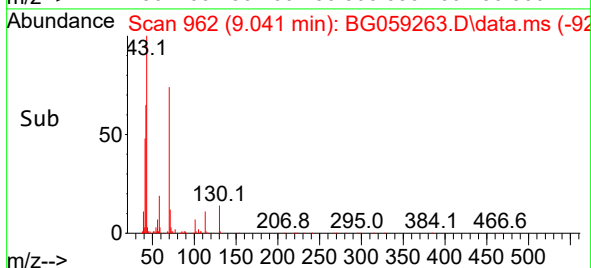
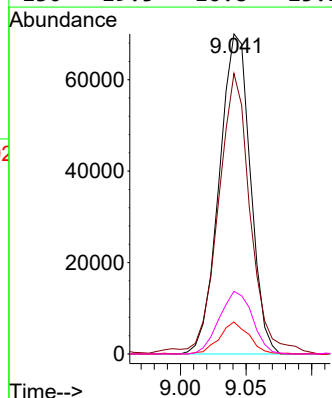
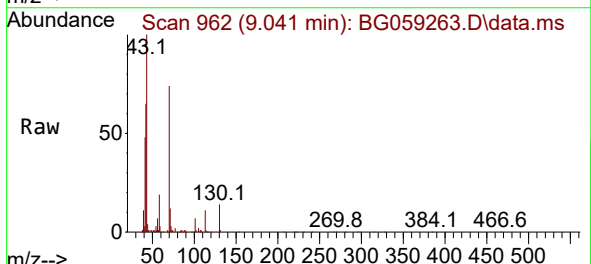
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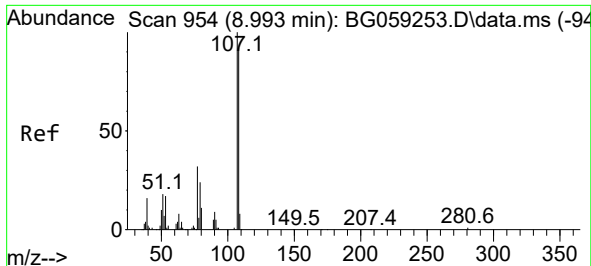
Tgt Ion:105 Resp: 230800
Ion Ratio Lower Upper
105 100
77 73.0 58.8 88.2
51 38.7 32.6 48.8



#17
N-Nitroso-di-n-propylamine
Concen: 41.277 ng/ul
RT: 9.041 min Scan# 962
Delta R.T. 0.005 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

Tgt Ion: 70 Resp: 115484
Ion Ratio Lower Upper
70 100
42 87.6 69.6 104.4
101 10.0 6.7 10.1
130 19.5 16.8 25.2

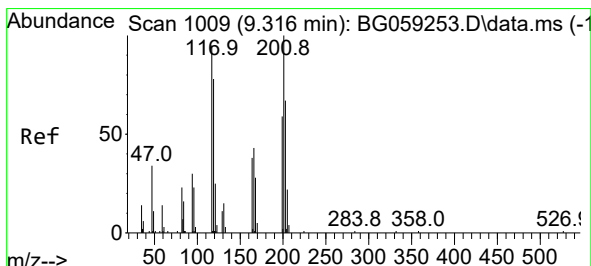
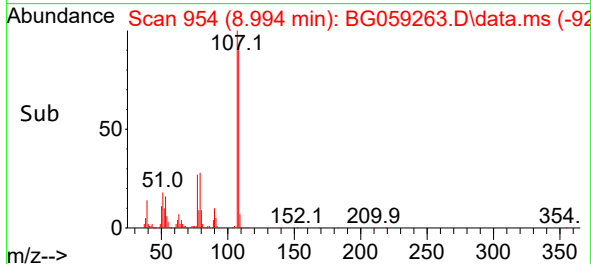
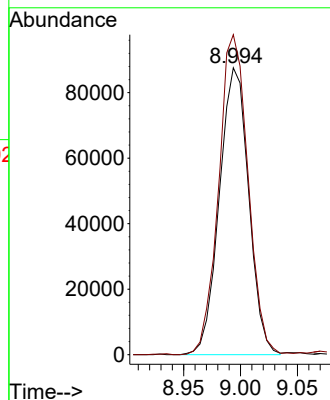
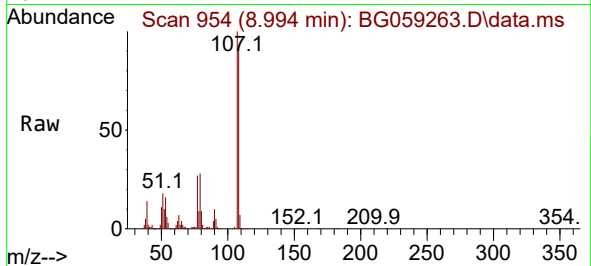




#18
4-Methylphenol
Concen: 42.821 ng/ul
RT: 8.994 min Scan# 91
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

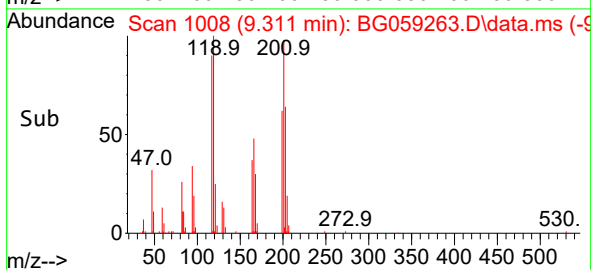
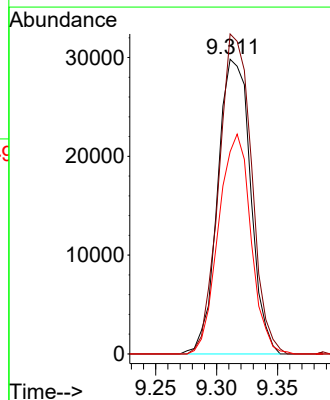
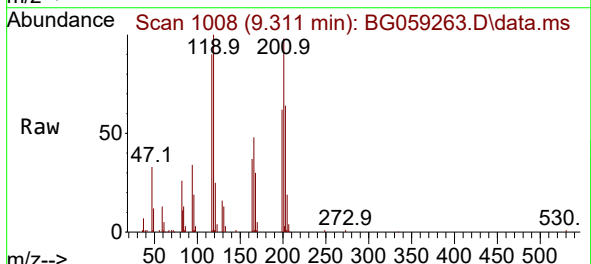
Instrument :
BNA_G
ClientSampleId :
BBJY7

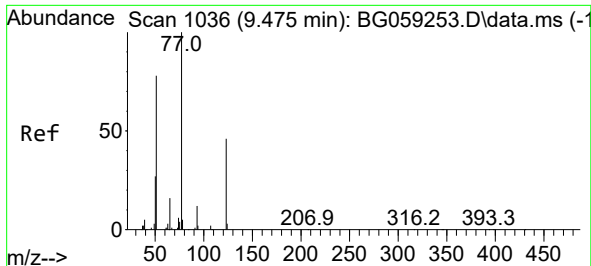
Tgt Ion:108 Resp: 157103
Ion Ratio Lower Upper
108 100
107 111.6 83.8 125.8



#19
Hexachloroethane
Concen: 43.434 ng/ul
RT: 9.311 min Scan# 1008
Delta R.T. -0.007 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

Tgt Ion:117 Resp: 55874
Ion Ratio Lower Upper
117 100
201 108.6 78.2 117.4
199 68.6 53.5 80.3

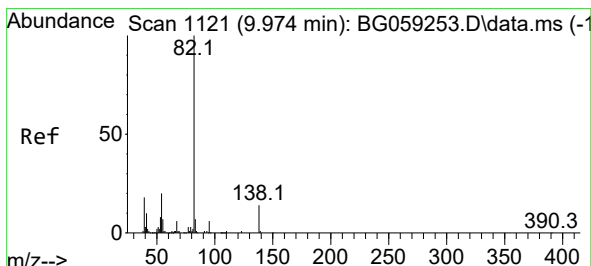
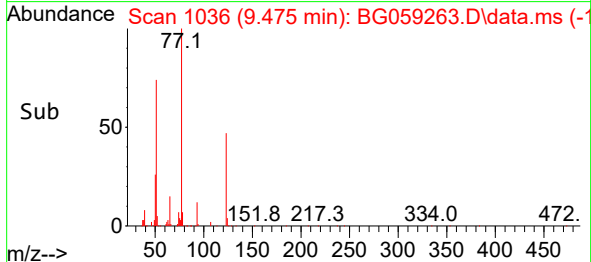
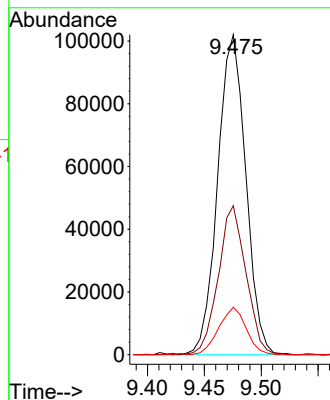
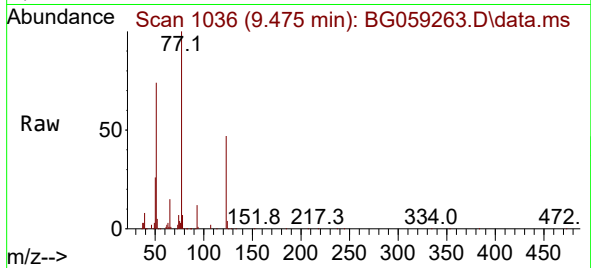




#22
Nitrobenzene
Concen: 45.529 ng/ul
RT: 9.475 min Scan# 1036
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

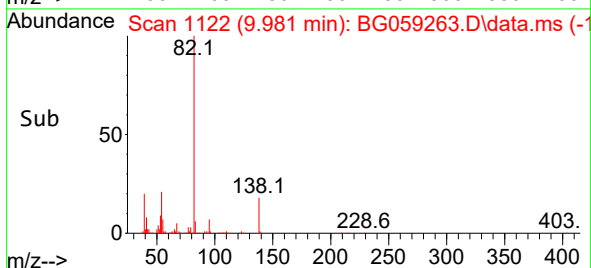
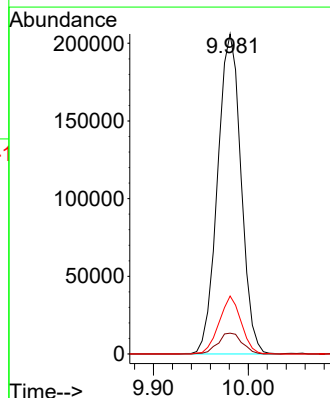
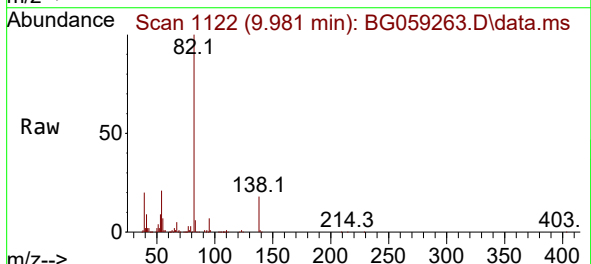
Instrument :
BNA_G
ClientSampleId :
BBJY7

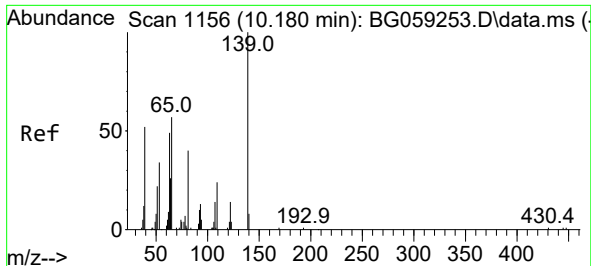
Tgt Ion: 77 Resp: 175286
Ion Ratio Lower Upper
77 100
123 46.6 34.6 52.0
65 14.8 13.0 19.4



#23
Isophorone
Concen: 42.752 ng/ul
RT: 9.981 min Scan# 1122
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

Tgt Ion: 82 Resp: 353945
Ion Ratio Lower Upper
82 100
95 6.5 4.7 7.1
138 18.1 13.5 20.3





#25

2-Nitrophenol

Concen: 52.548 ng/ul

RT: 10.181 min Scan# 1156

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

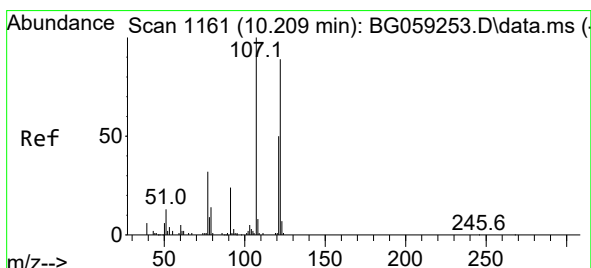
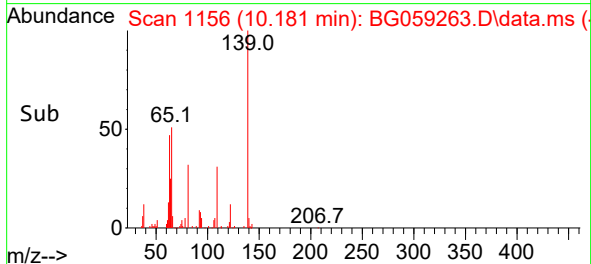
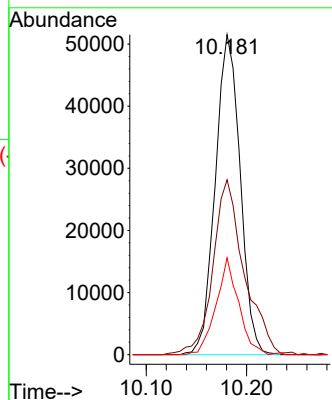
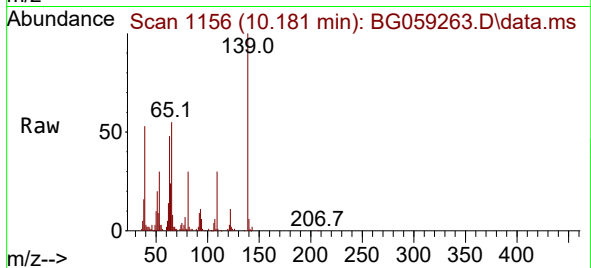
Tgt Ion:139 Resp: 88648

Ion Ratio Lower Upper

139 100

65 54.7 41.2 61.8

109 30.3 22.6 33.8



#26

2,4-Dimethylphenol

Concen: 32.412 ng/ul

RT: 10.210 min Scan# 1161

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

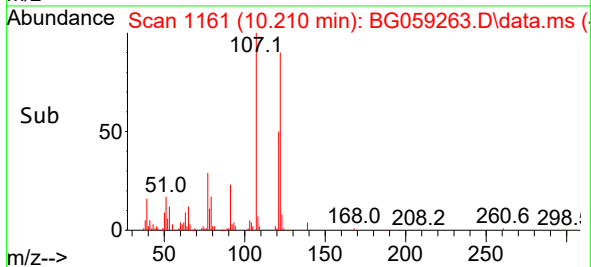
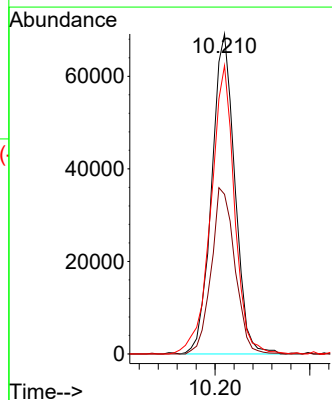
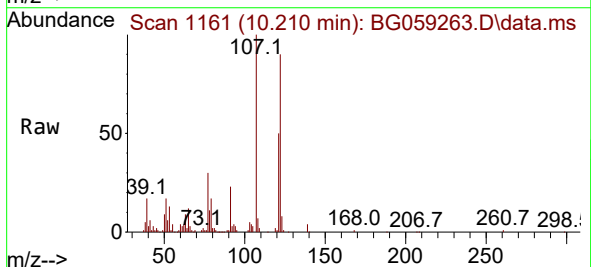
Tgt Ion:107 Resp: 116915

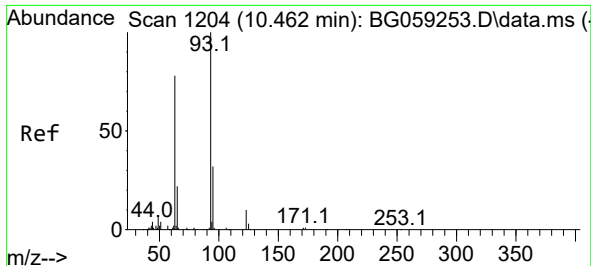
Ion Ratio Lower Upper

107 100

121 49.9 42.3 63.5

122 90.1 75.2 112.8





#27

Bis(2-Chloroethoxy)methane

Concen: 42.882 ng/ul

RT: 10.463 min Scan# 1204

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

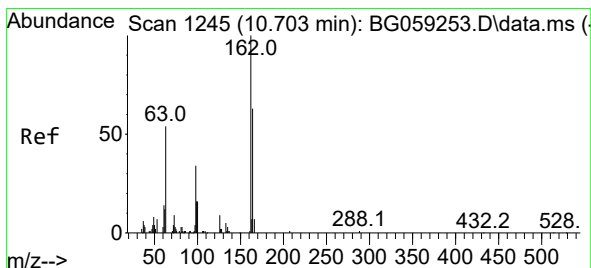
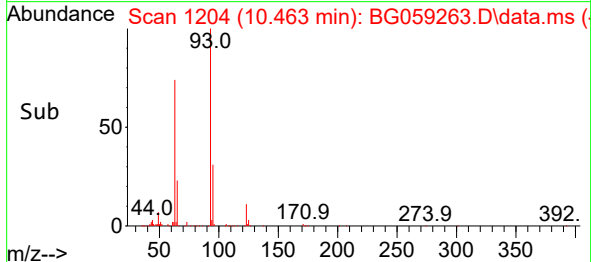
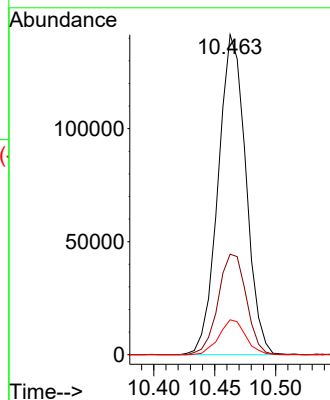
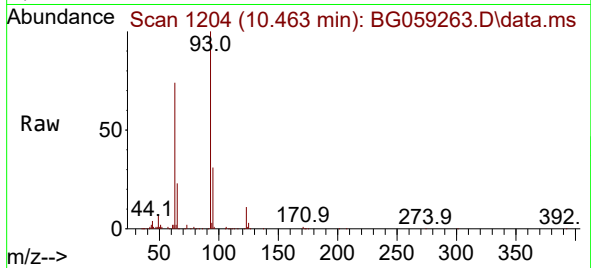
Tgt Ion: 93 Resp: 224003

Ion Ratio Lower Upper

93 100

95 31.4 26.5 39.7

123 10.9 7.3 10.9



#29

2,4-Dichlorophenol

Concen: 46.531 ng/ul

RT: 10.703 min Scan# 1245

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

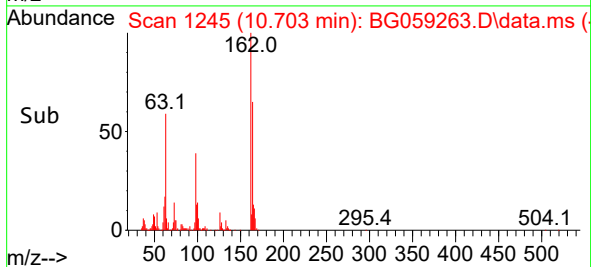
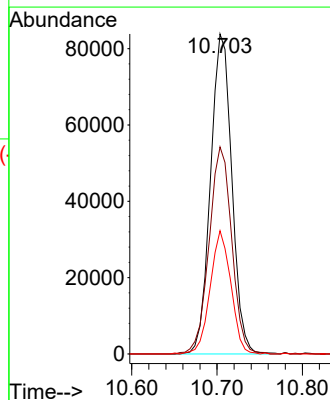
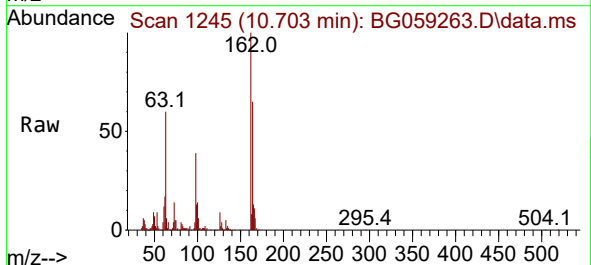
Tgt Ion:162 Resp: 145480

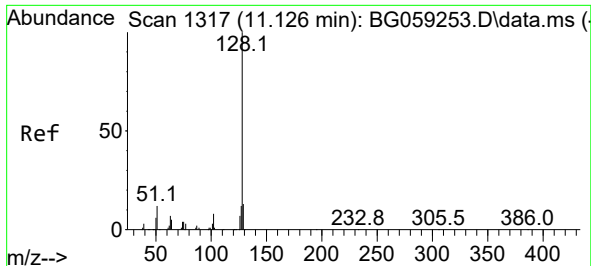
Ion Ratio Lower Upper

162 100

164 64.7 52.5 78.7

98 38.5 28.9 43.3

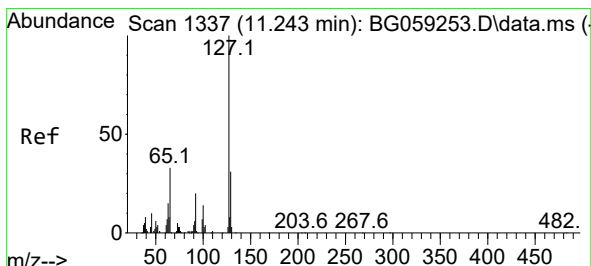
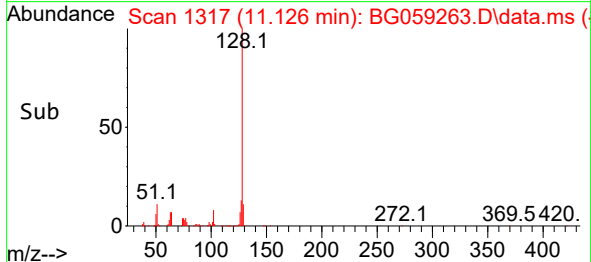
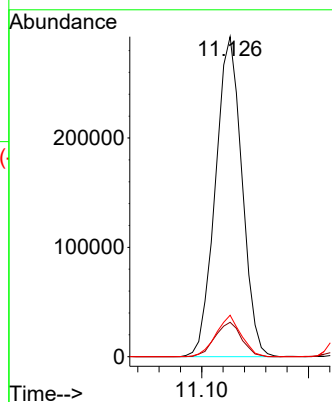
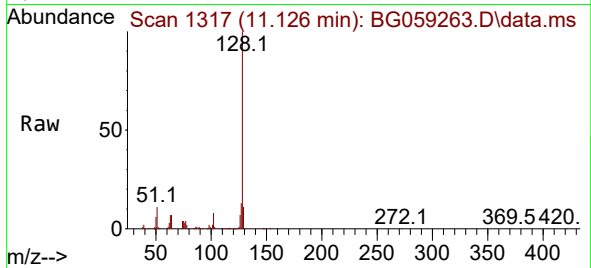




#30
Naphthalene
Concen: 42.662 ng/ul
RT: 11.126 min Scan# 1317
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

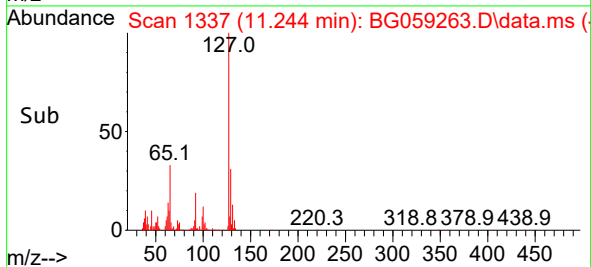
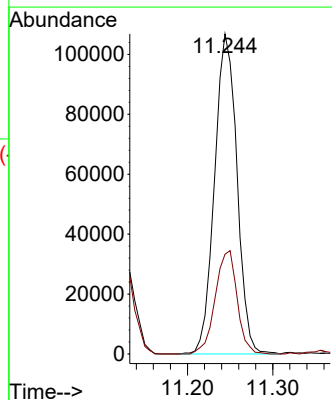
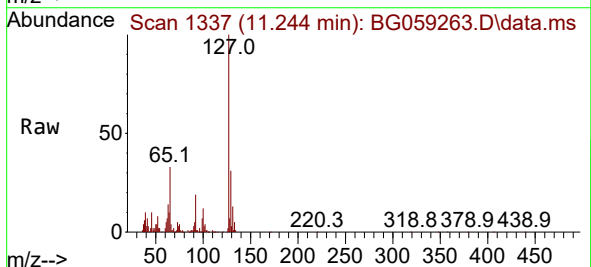
Instrument :
BNA_G
ClientSampleId :
BBJY7

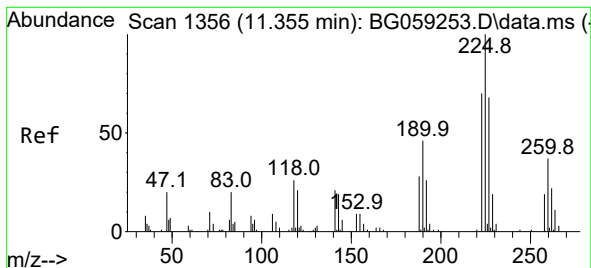
Tgt Ion:128 Resp: 505563
Ion Ratio Lower Upper
128 100
129 10.8 8.0 12.0
127 13.0 11.1 16.7



#32
4-Chloroaniline
Concen: 40.099 ng/ul
RT: 11.244 min Scan# 1337
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

Tgt Ion:127 Resp: 195127
Ion Ratio Lower Upper
127 100
129 31.1 23.6 35.4





#33

Hexachlorobutadiene

Concen: 45.093 ng/ul

RT: 11.356 min Scan# 11

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

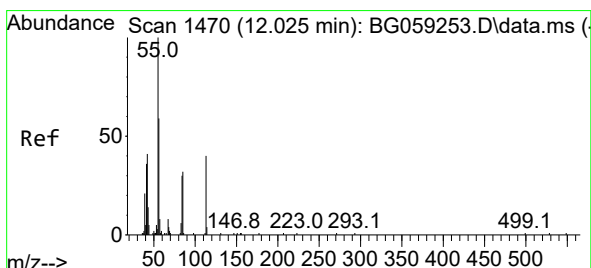
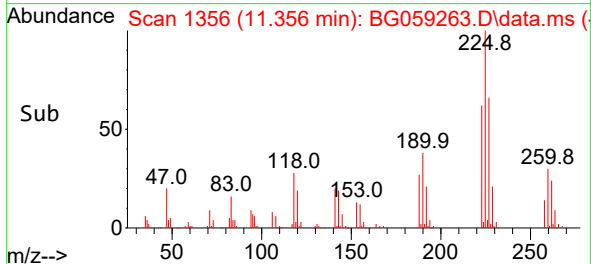
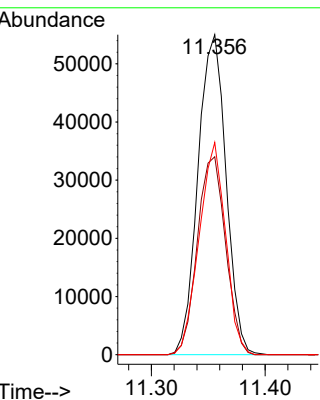
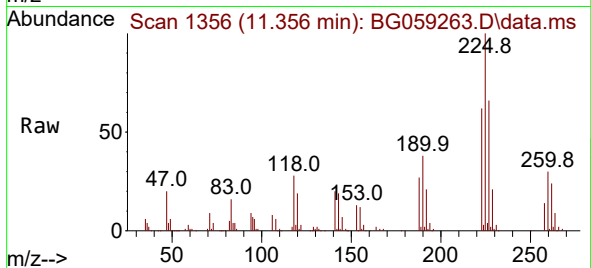
Tgt Ion:225 Resp: 94355

Ion Ratio Lower Upper

225 100

223 61.8 54.1 81.1

227 66.3 53.5 80.3



#34

Caprolactam

Concen: 8.571 ng/ul

RT: 12.078 min Scan# 1479

Delta R.T. 0.052 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

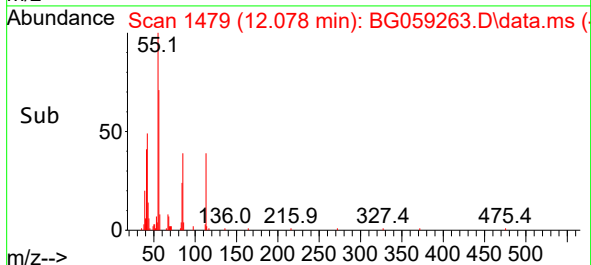
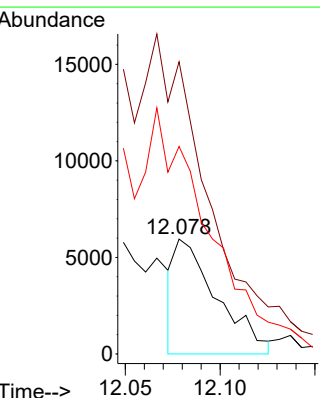
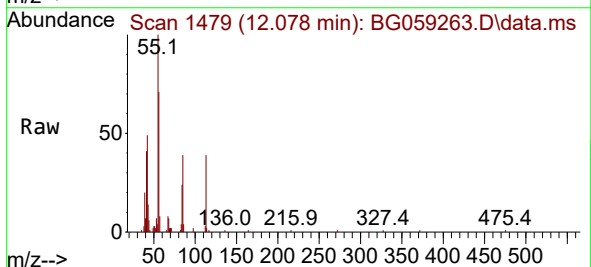
Tgt Ion:113 Resp: 9272

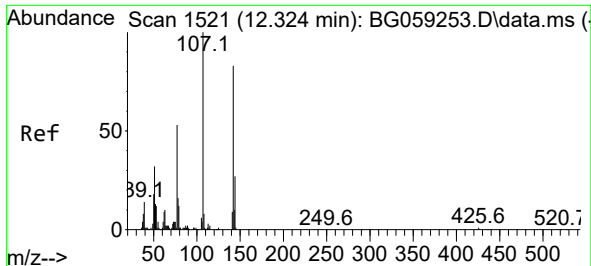
Ion Ratio Lower Upper

113 100

55 254.4 211.3 316.9

56 180.7 167.9 251.9

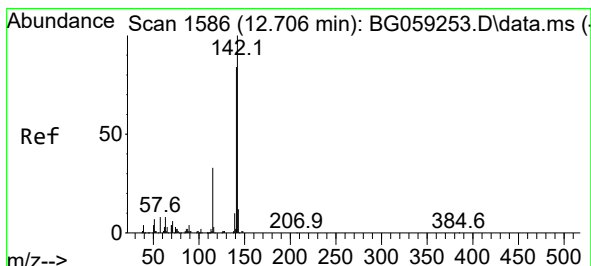
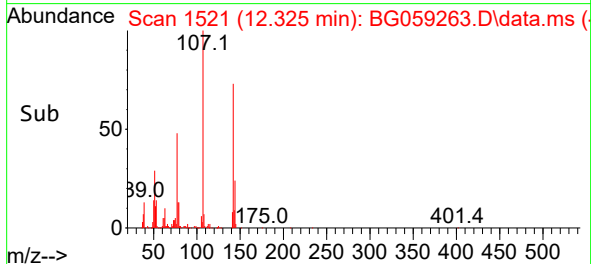
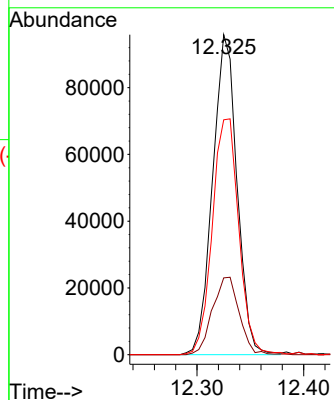
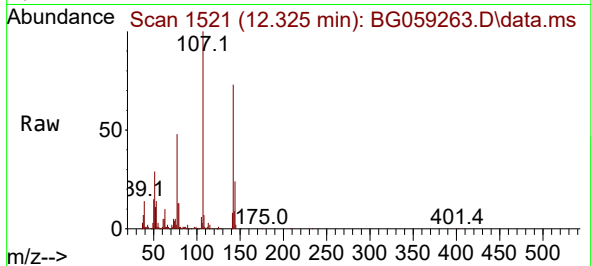




#35
4-Chloro-3-methylphenol
Concen: 45.651 ng/ul
RT: 12.325 min Scan# 1521
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

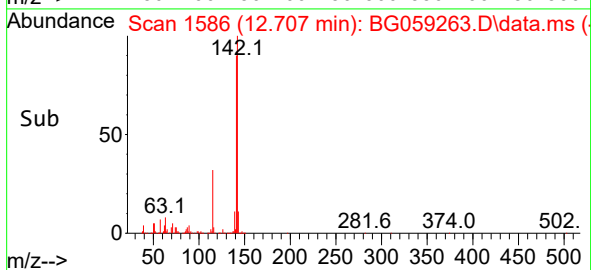
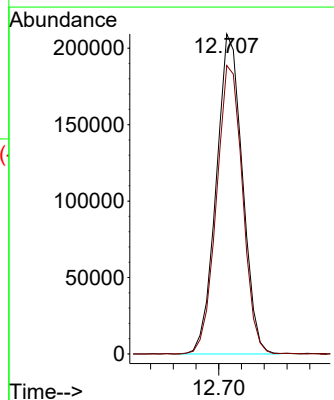
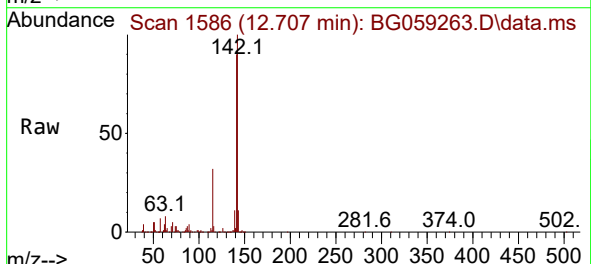
Instrument :
BNA_G
ClientSampleId :
BBJY7

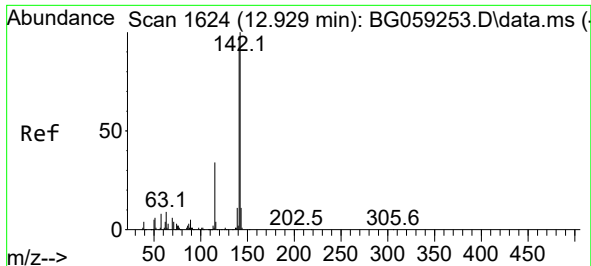
Tgt Ion:107 Resp: 152286
Ion Ratio Lower Upper
107 100
144 24.0 20.2 30.2
142 73.4 58.8 88.2



#36
2-Methylnaphthalene
Concen: 43.097 ng/ul
RT: 12.707 min Scan# 1586
Delta R.T. -0.007 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

Tgt Ion:142 Resp: 334568
Ion Ratio Lower Upper
142 100
141 90.2 70.2 105.2





#37

1-Methylnaphthalene

Concen: 41.819 ng/ul

RT: 12.930 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

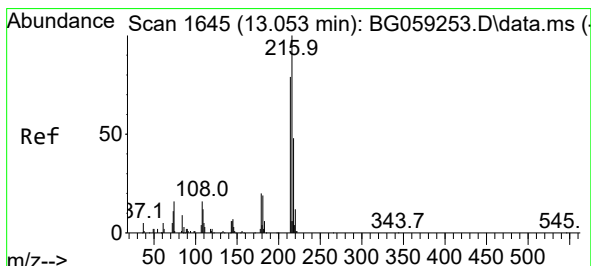
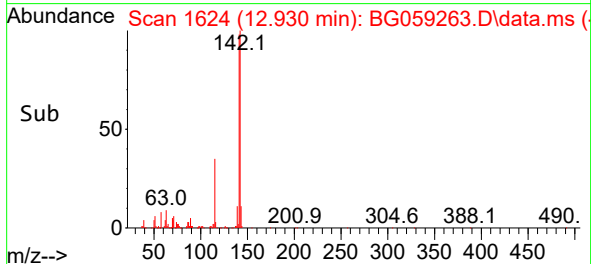
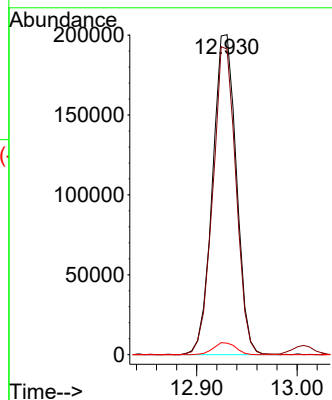
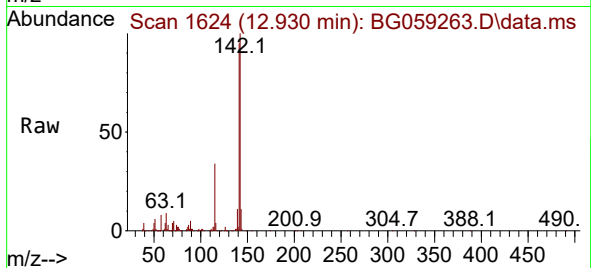
Tgt Ion:142 Resp: 329497

Ion Ratio Lower Upper

142 100

141 95.5 71.6 107.4

116 3.6 2.3 3.5#



#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.052 ng/ul

RT: 13.054 min Scan# 1645

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Tgt Ion:216 Resp: 174763

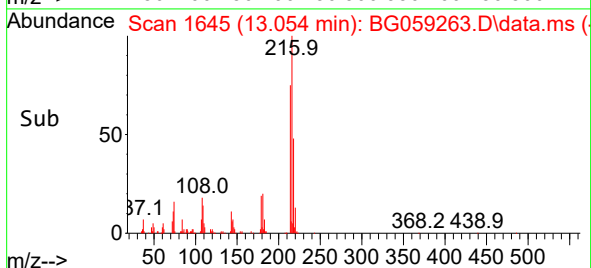
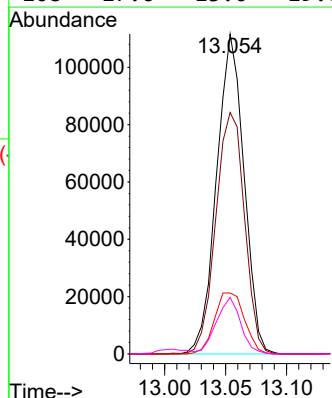
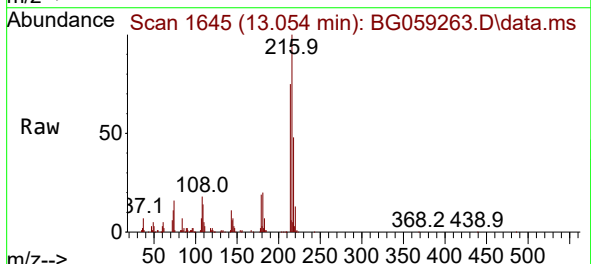
Ion Ratio Lower Upper

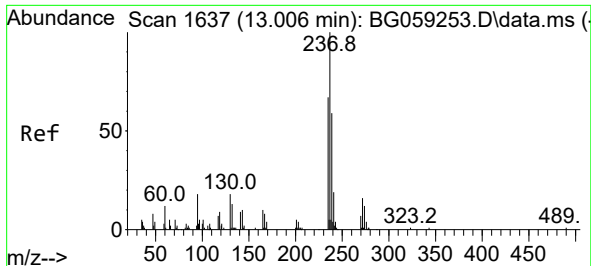
216 100

214 75.5 62.4 93.6

179 19.0 16.3 24.5

108 17.6 13.0 19.6

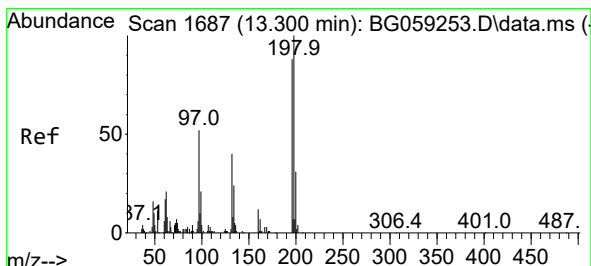
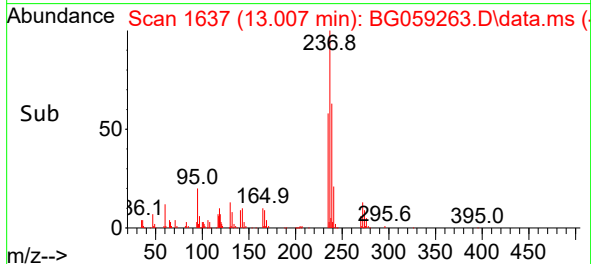
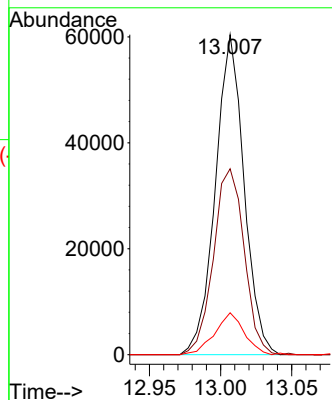
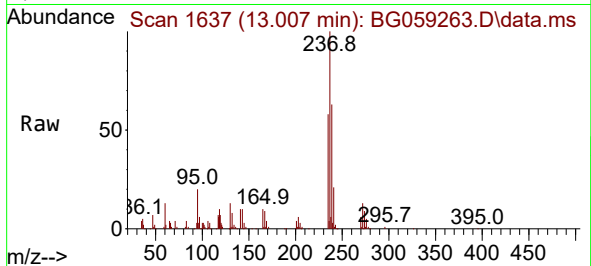




#40
Hexachlorocyclopentadiene
Concen: 33.861 ng/ul
RT: 13.007 min Scan# 1637
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

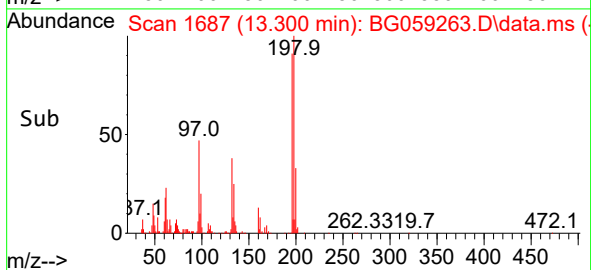
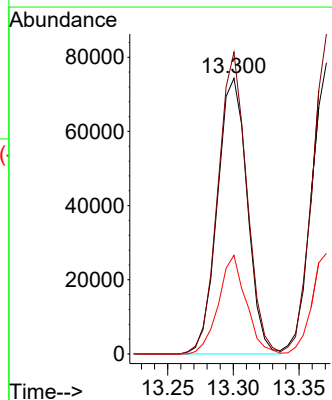
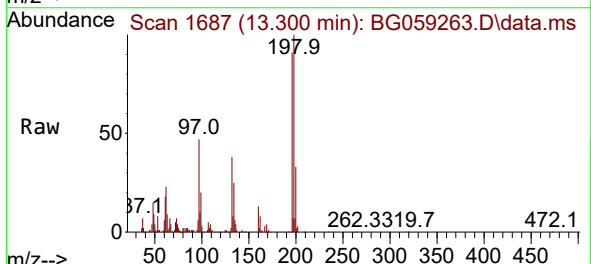
Instrument :
BNA_G
ClientSampleId :
BBJY7

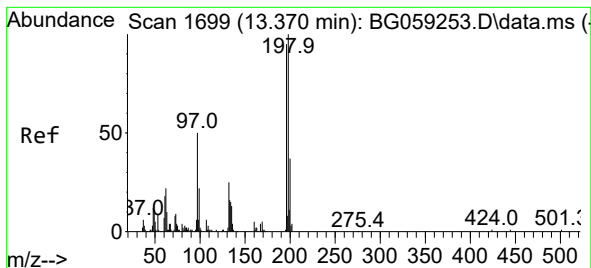
Tgt Ion:237 Resp: 84791
Ion Ratio Lower Upper
237 100
235 58.1 50.6 76.0
272 13.1 11.7 17.5



#41
2,4,6-Trichlorophenol
Concen: 47.333 ng/ul
RT: 13.300 min Scan# 1687
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

Tgt Ion:196 Resp: 117638
Ion Ratio Lower Upper
196 100
198 109.5 72.4 108.6#
200 35.8 23.8 35.8#





#42

2,4,5-Trichlorophenol

Concen: 47.598 ng/ul

RT: 13.371 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

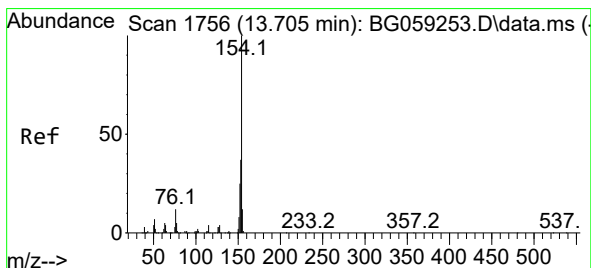
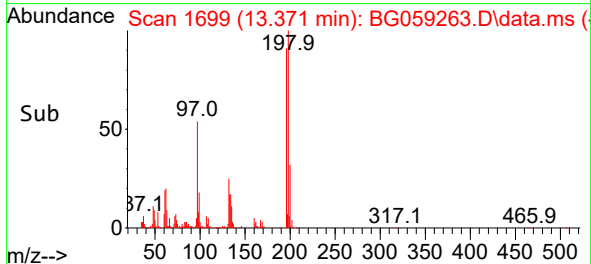
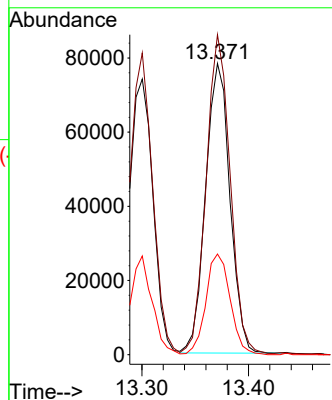
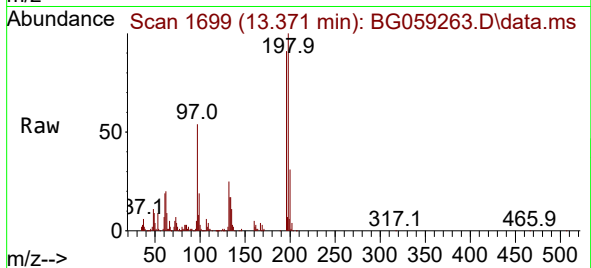
Tgt Ion:196 Resp: 124131

Ion Ratio Lower Upper

196 100

198 109.9 82.2 123.4

200 34.6 28.2 42.2



#43

1,1'-Biphenyl

Concen: 43.471 ng/ul

RT: 13.700 min Scan# 1755

Delta R.T. -0.007 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

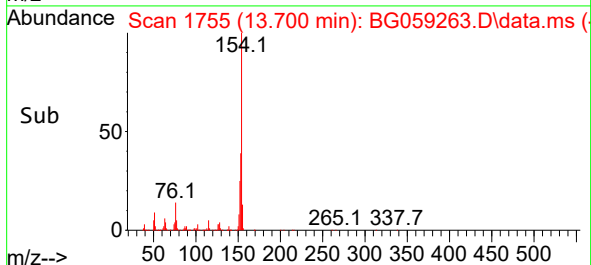
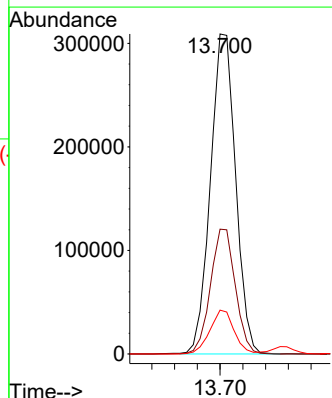
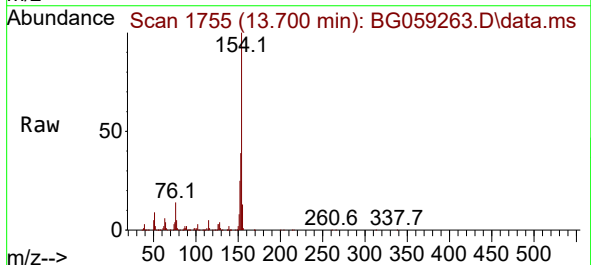
Tgt Ion:154 Resp: 476030

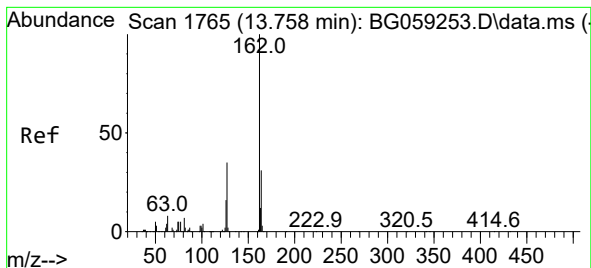
Ion Ratio Lower Upper

154 100

153 39.0 29.2 43.8

76 13.7 10.1 15.1





#44

2-Chloronaphthalene

Concen: 44.056 ng/ul

RT: 13.753 min Scan# 1

Delta R.T. -0.007 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

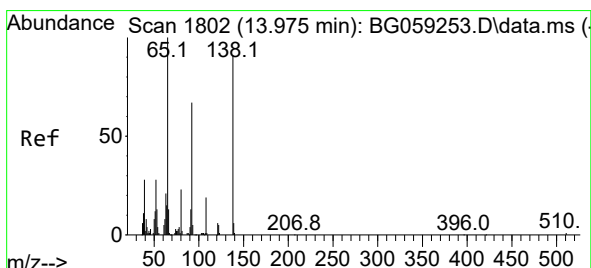
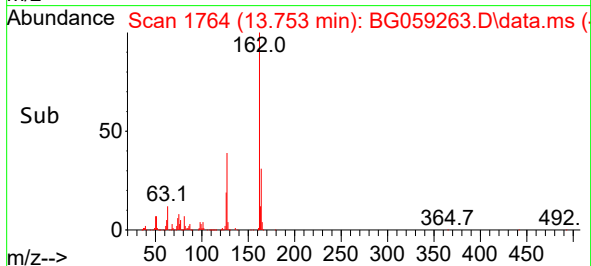
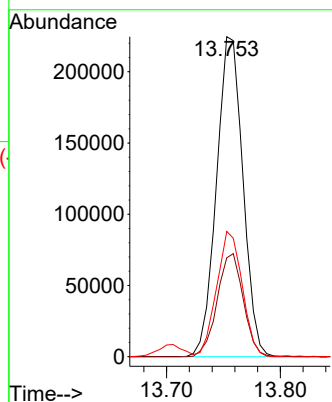
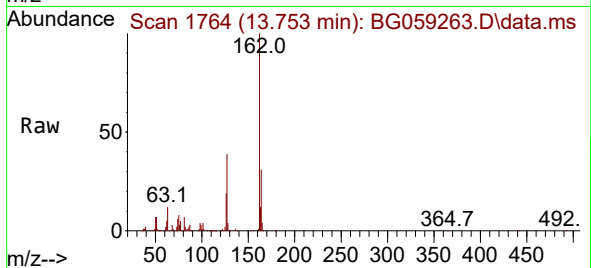
Tgt Ion:162 Resp: 363231

Ion Ratio Lower Upper

162 100

164 30.9 24.6 37.0

127 39.1 28.1 42.1



#45

2-Nitroaniline

Concen: 51.045 ng/ul

RT: 13.976 min Scan# 1802

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

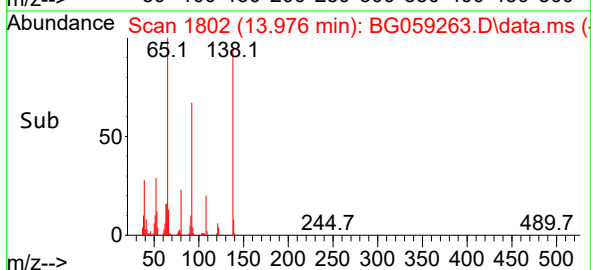
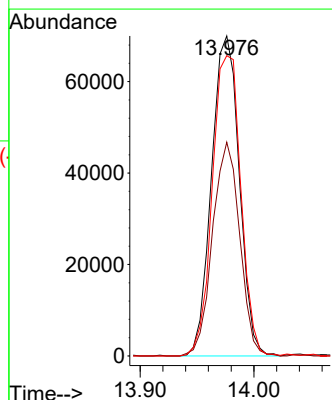
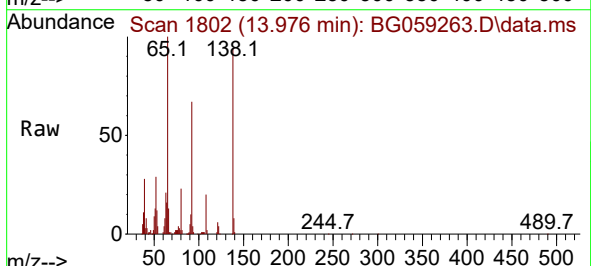
Tgt Ion: 65 Resp: 118711

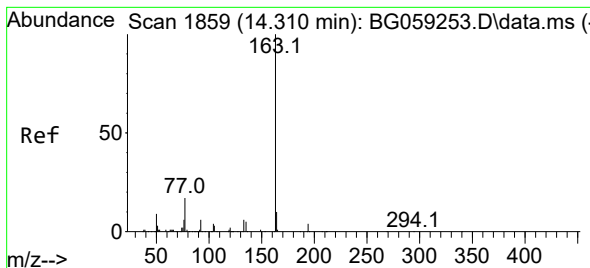
Ion Ratio Lower Upper

65 100

92 66.8 51.0 76.4

138 93.9 80.5 120.7





#47

Dimethylphthalate

Concen: 45.286 ng/ul

RT: 14.311 min Scan# 1859

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

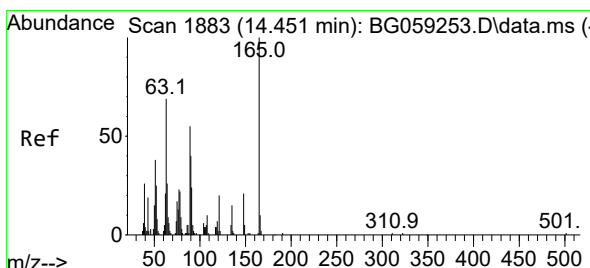
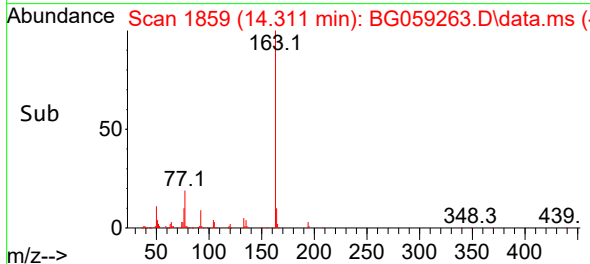
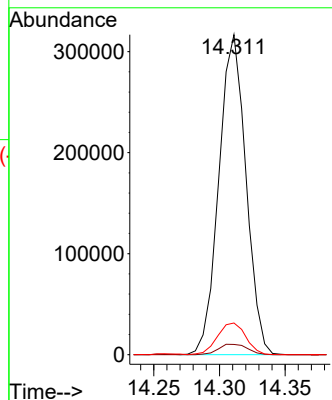
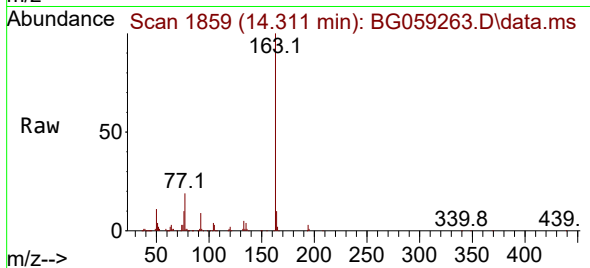
Tgt Ion:163 Resp: 454720

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

164 9.9 7.9 11.9



#48

2,6-Dinitrotoluene

Concen: 54.190 ng/ul

RT: 14.452 min Scan# 1883

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

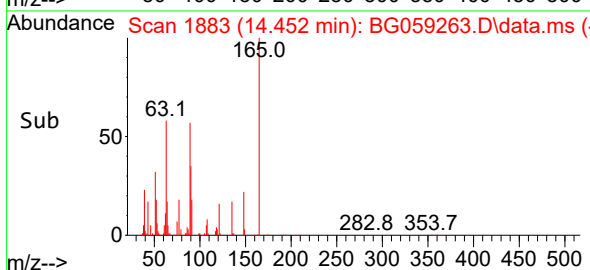
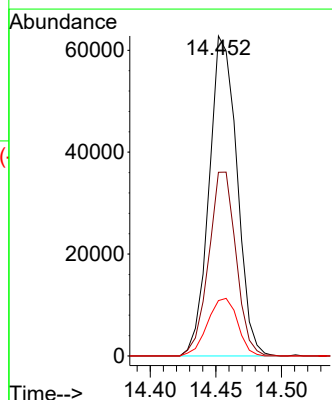
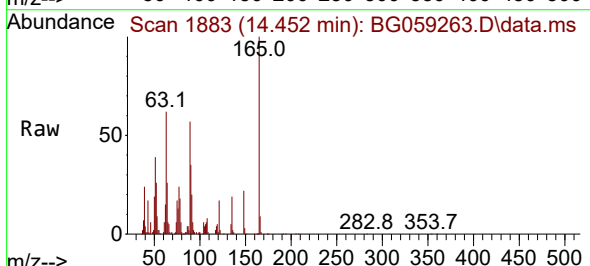
Tgt Ion:165 Resp: 92545

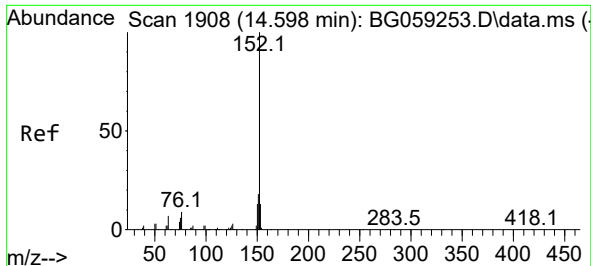
Ion Ratio Lower Upper

165 100

89 57.4 53.0 79.4

121 17.3 19.2 28.8#

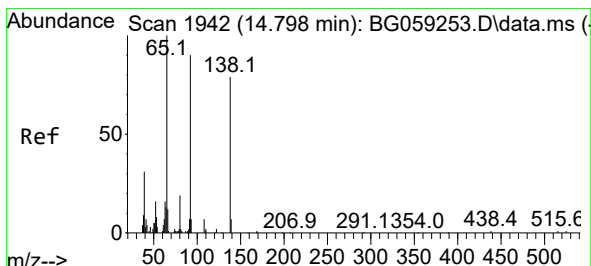
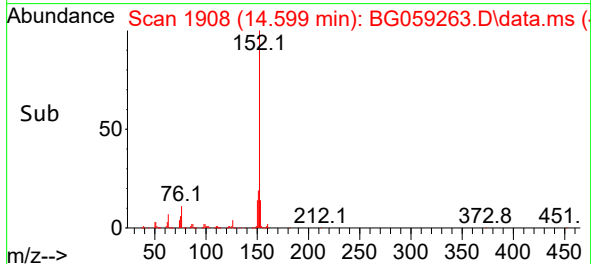
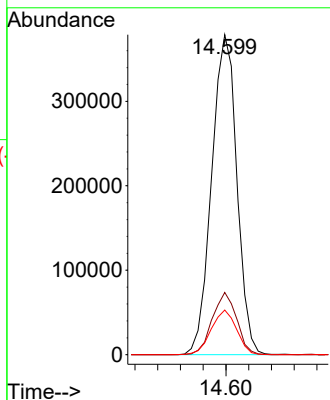
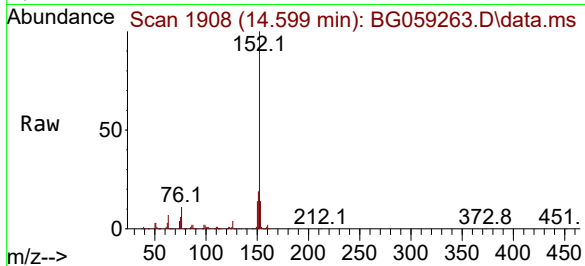




#50
Acenaphthylene
Concen: 44.461 ng/ul
RT: 14.599 min Scan# 1908
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

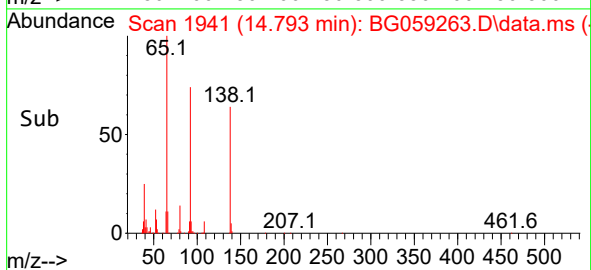
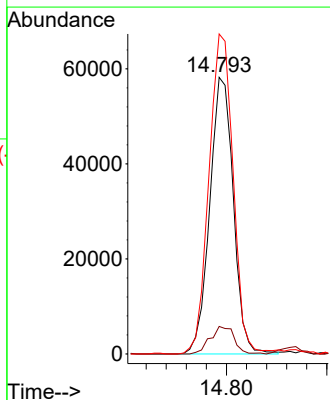
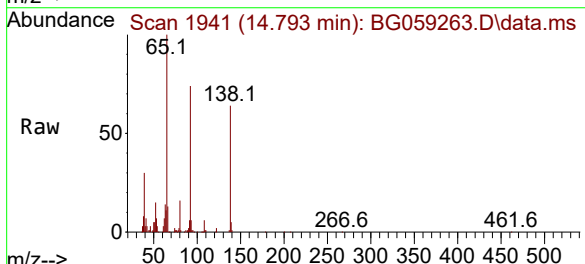
Instrument :
BNA_G
ClientSampleId :
BBJY7

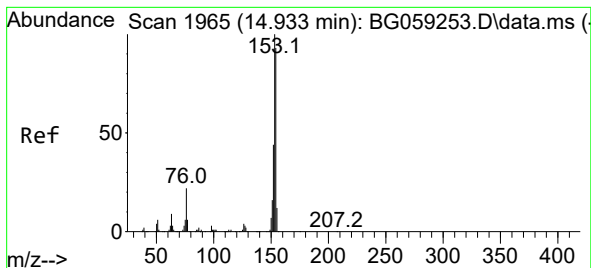
Tgt Ion:152 Resp: 583957
Ion Ratio Lower Upper
152 100
151 19.4 14.6 21.8
153 14.0 10.9 16.3



#51
3-Nitroaniline
Concen: 51.638 ng/ul
RT: 14.793 min Scan# 1941
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

Tgt Ion:138 Resp: 95199
Ion Ratio Lower Upper
138 100
108 10.0 10.0 15.0#
92 115.7 95.0 142.6





#52

Acenaphthene

Concen: 44.549 ng/ul

RT: 14.928 min Scan# 1964

Delta R.T. -0.007 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

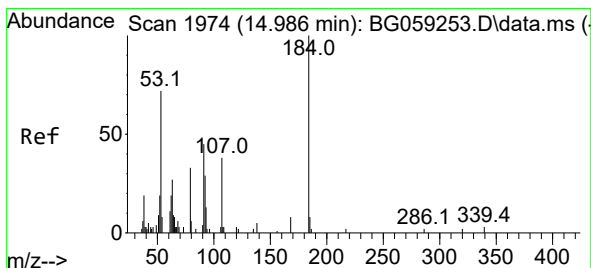
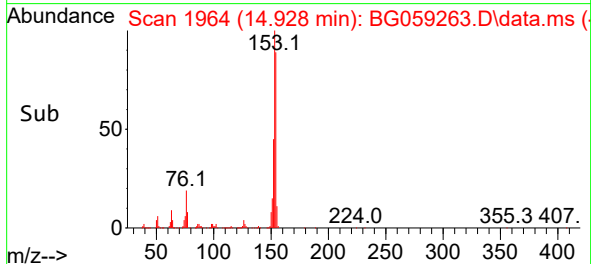
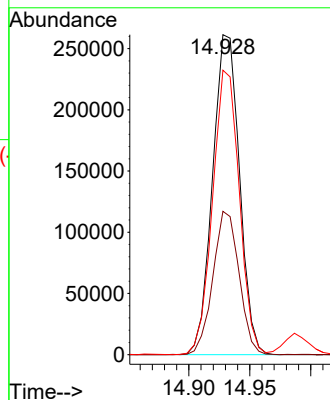
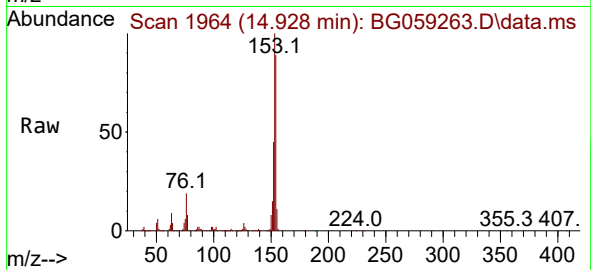
Tgt Ion:153 Resp: 401626

Ion Ratio Lower Upper

153 100

152 44.8 38.5 57.7

154 88.9 76.3 114.5



#53

2,4-Dinitrophenol

Concen: 47.292 ng/ul

RT: 14.987 min Scan# 1974

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

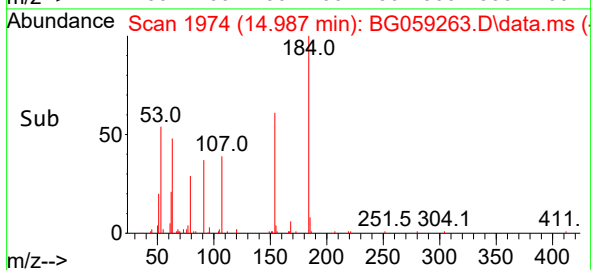
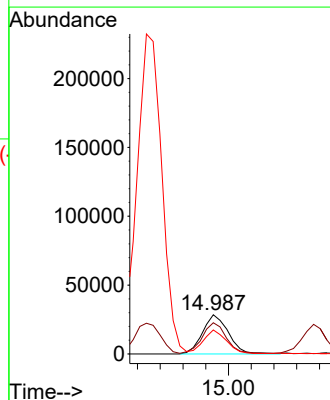
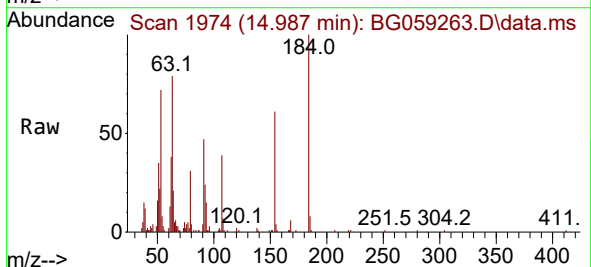
Tgt Ion:184 Resp: 44896

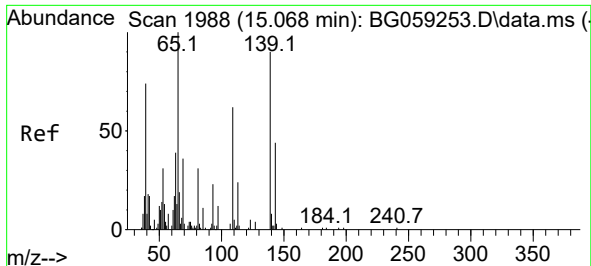
Ion Ratio Lower Upper

184 100

63 79.4 69.9 104.9

154 61.3 38.6 58.0#

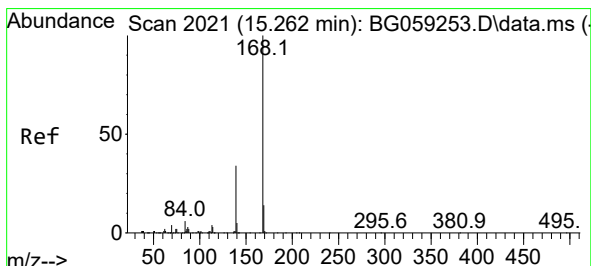
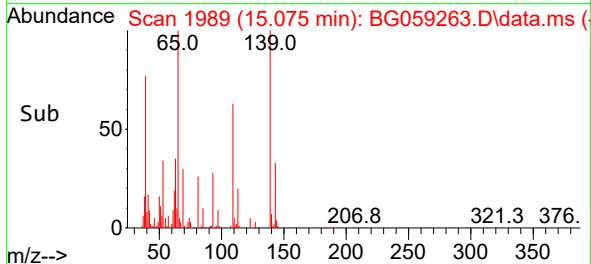
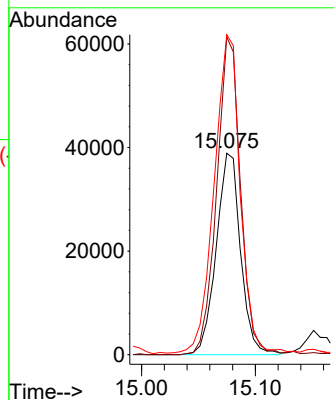
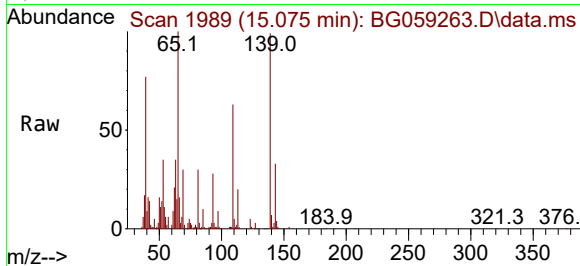




#55
4-Nitrophenol
Concen: 47.952 ng/ul
RT: 15.075 min Scan# 1988
Delta R.T. 0.005 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

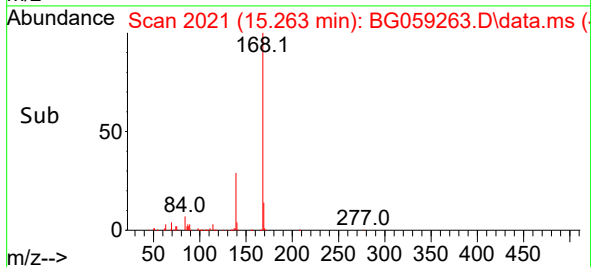
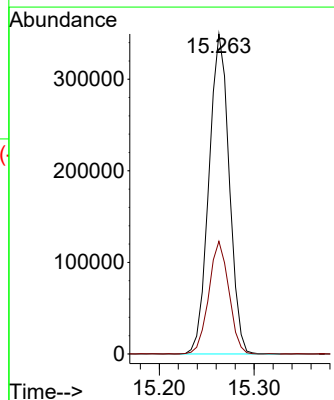
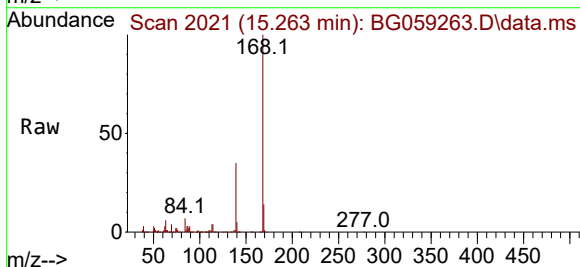
Instrument :
BNA_G
ClientSampleId :
BBJY7

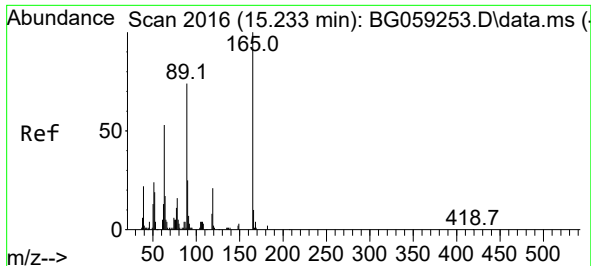
Tgt Ion:109 Resp: 57906
Ion Ratio Lower Upper
109 100
139 157.7 115.5 173.3
65 158.8 122.8 184.2



#56
Dibenzofuran
Concen: 43.556 ng/ul
RT: 15.263 min Scan# 2021
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

Tgt Ion:168 Resp: 520506
Ion Ratio Lower Upper
168 100
139 35.2 26.6 39.8





#57

2,4-Dinitrotoluene

Concen: 51.962 ng/ul

RT: 15.233 min Scan# 2016

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

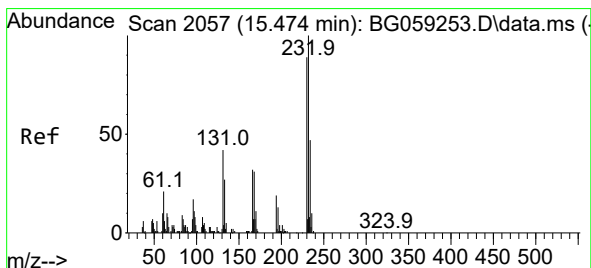
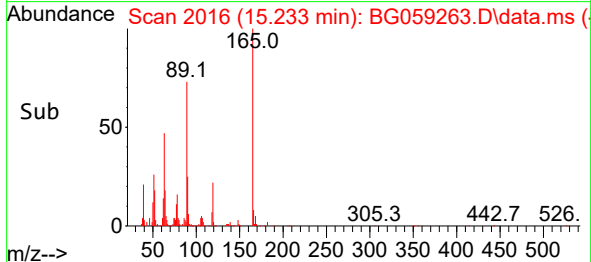
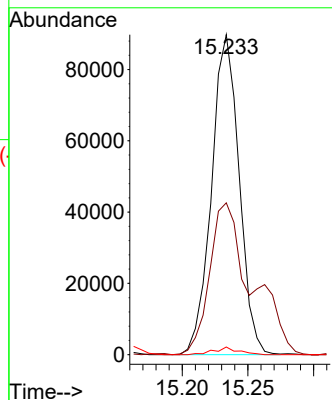
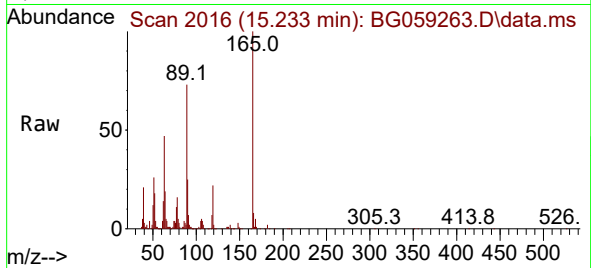
Tgt Ion:165 Resp: 131396

Ion Ratio Lower Upper

165 100

63 47.5 43.5 65.3

182 2.4 1.8 2.6



#58

2,3,4,6-Tetrachlorophenol

Concen: 48.499 ng/ul

RT: 15.474 min Scan# 2057

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Tgt Ion:232 Resp: 114501

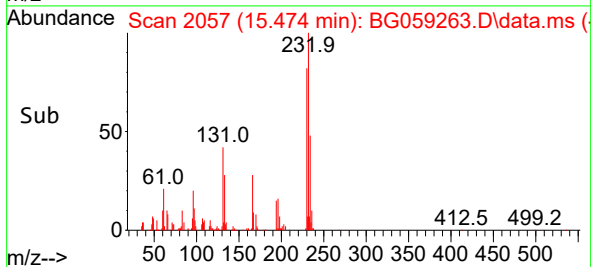
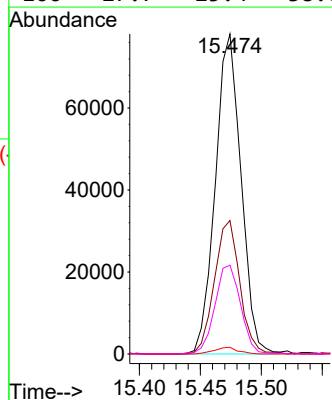
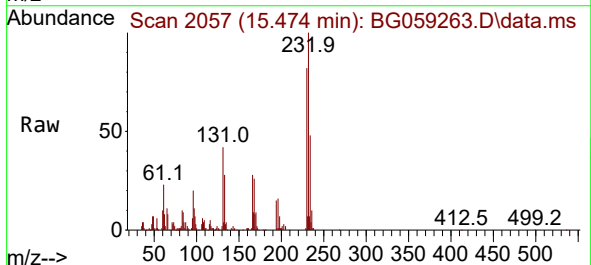
Ion Ratio Lower Upper

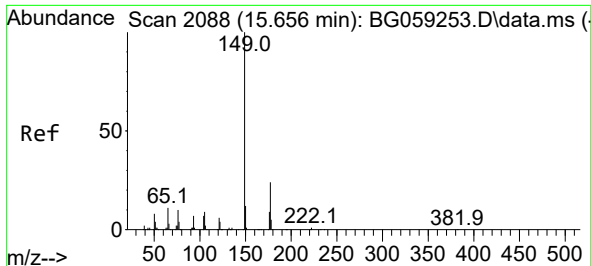
232 100

131 41.7 33.9 50.9

130 2.1 1.5 2.3

166 27.7 25.4 38.0





#59

Diethylphthalate

Concen: 45.736 ng/ul

RT: 15.656 min Scan# 2088

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

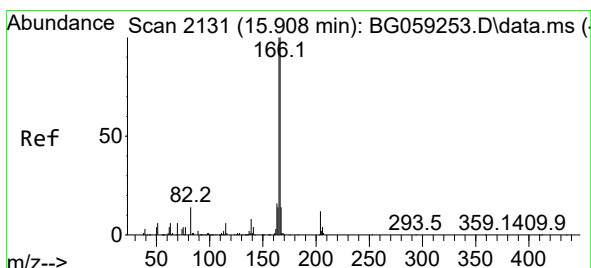
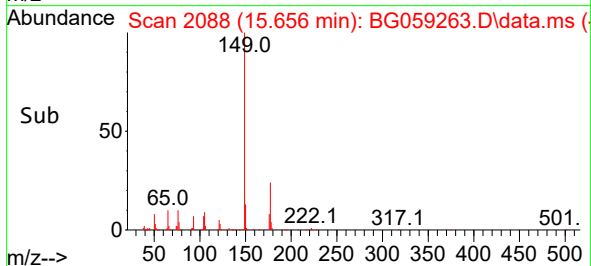
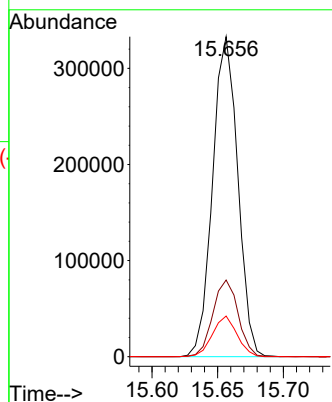
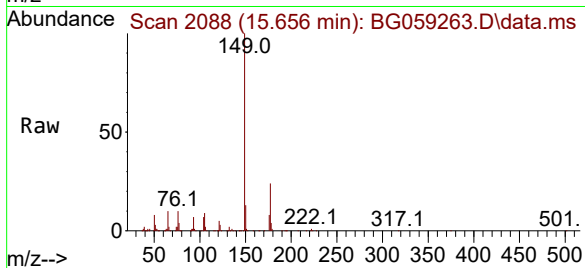
Tgt Ion:149 Resp: 443966

Ion Ratio Lower Upper

149 100

177 23.9 17.3 25.9

150 12.7 10.0 15.0



#61

Fluorene

Concen: 44.223 ng/ul

RT: 15.909 min Scan# 2131

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

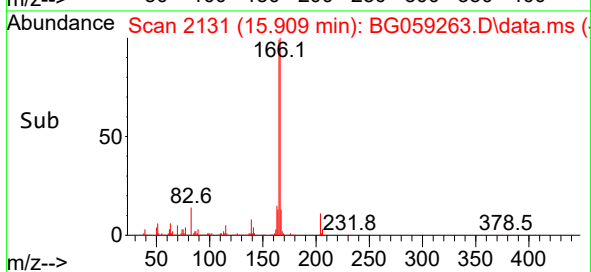
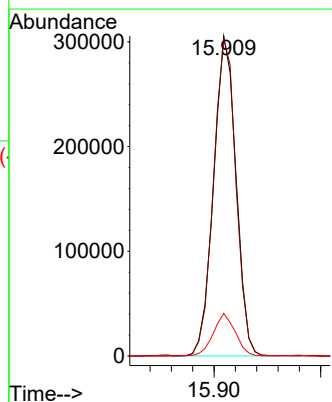
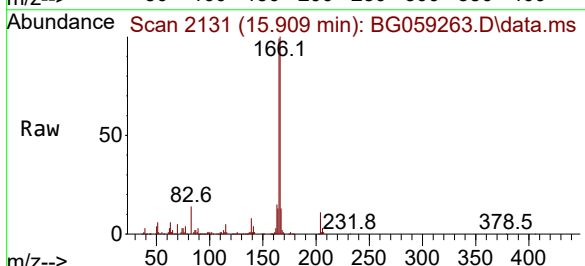
Tgt Ion:166 Resp: 443733

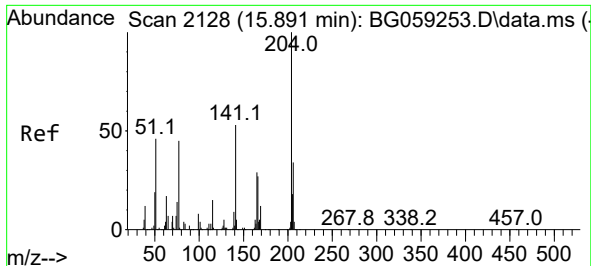
Ion Ratio Lower Upper

166 100

165 99.2 78.6 118.0

167 13.3 11.8 17.8

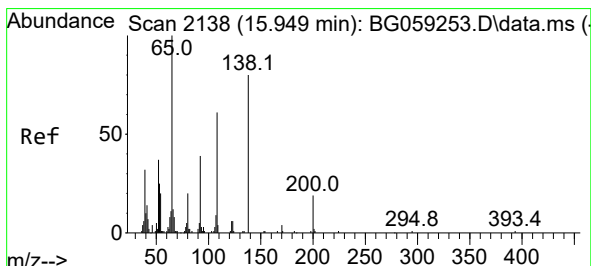
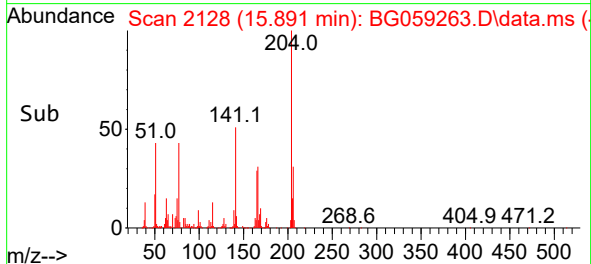
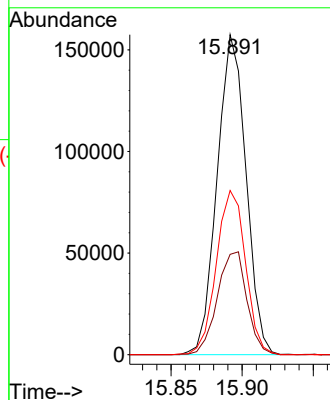
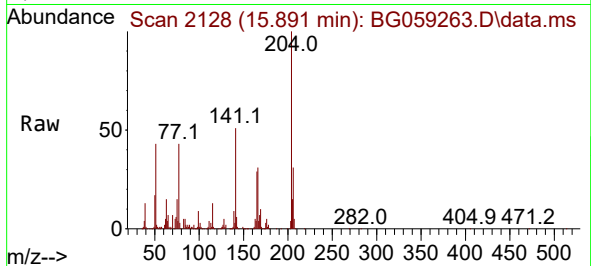




#62
4-Chlorophenyl-phenylether
Concen: 44.494 ng/ul
RT: 15.891 min Scan# 2128
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

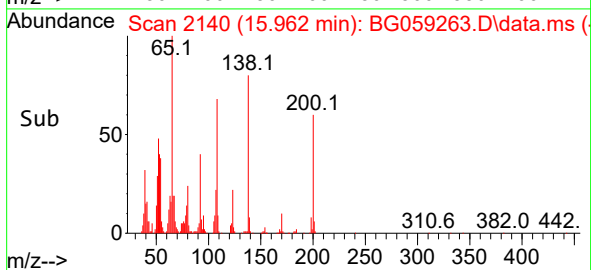
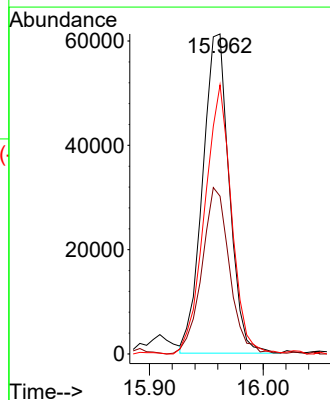
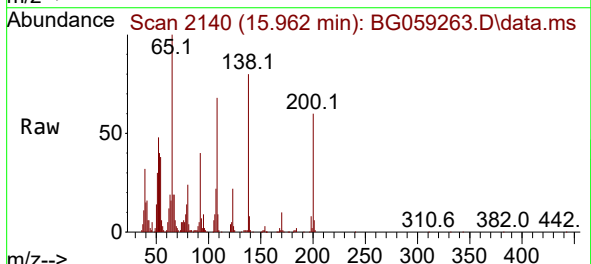
Instrument :
BNA_G
ClientSampleId :
BBJY7

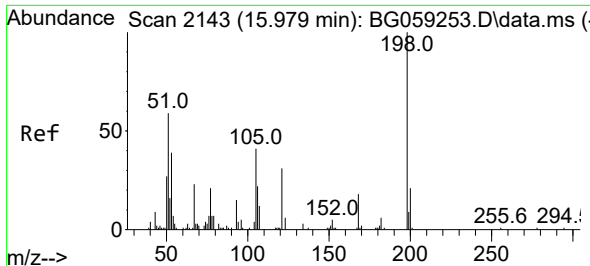
Tgt Ion:204 Resp: 222554
Ion Ratio Lower Upper
204 100
206 31.4 23.7 35.5
141 51.3 41.6 62.4



#63
4-Nitroaniline
Concen: 58.710 ng/ul
RT: 15.962 min Scan# 2140
Delta R.T. 0.005 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

Tgt Ion:138 Resp: 99609
Ion Ratio Lower Upper
138 100
92 49.3 41.0 61.6
108 84.1 57.0 85.4

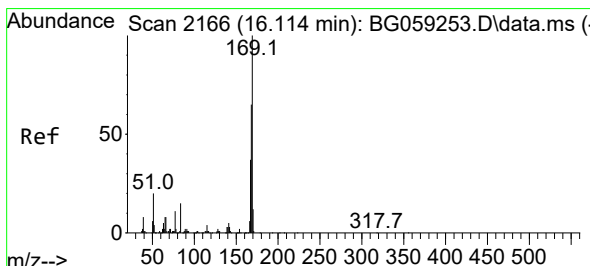
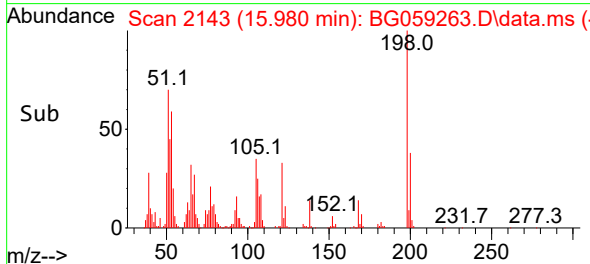
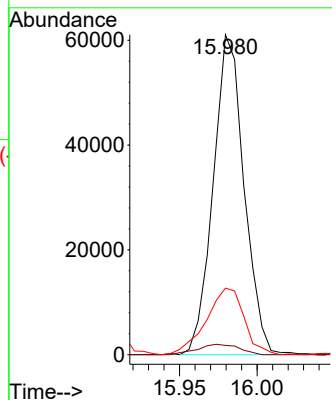
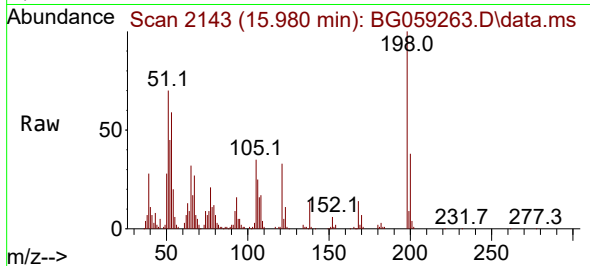




#66
4,6-Dinitro-2-methylphenol
Concen: 51.532 ng/ul
RT: 15.980 min Scan# 2143
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

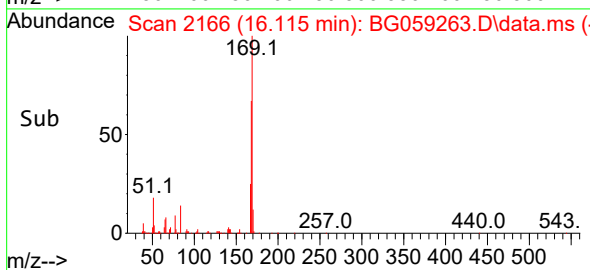
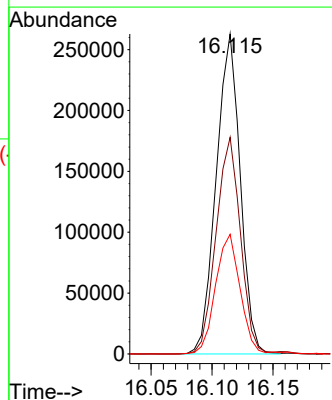
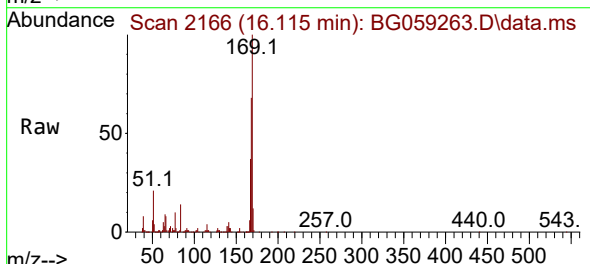
Instrument :
BNA_G
ClientSampleId :
BBJY7

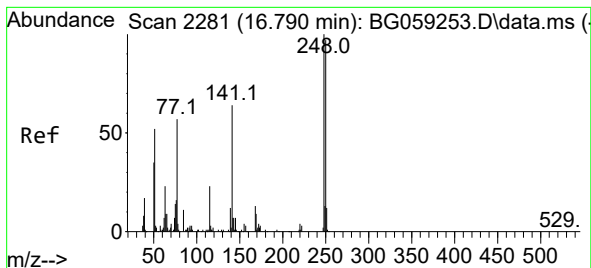
Tgt Ion:198 Resp: 84442
Ion Ratio Lower Upper
198 100
182 2.9 4.4 6.6#
77 20.8 23.2 34.8#



#67
N-Nitrosodiphenylamine
Concen: 44.845 ng/ul
RT: 16.115 min Scan# 2166
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

Tgt Ion:169 Resp: 361415
Ion Ratio Lower Upper
169 100
168 67.7 57.0 85.6
167 37.4 29.8 44.6

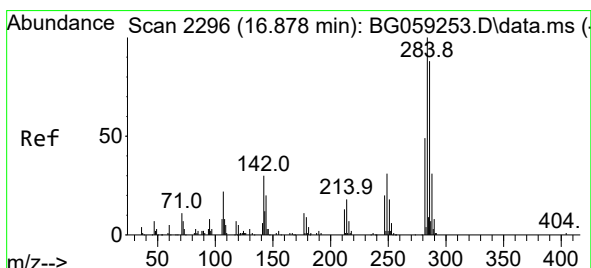
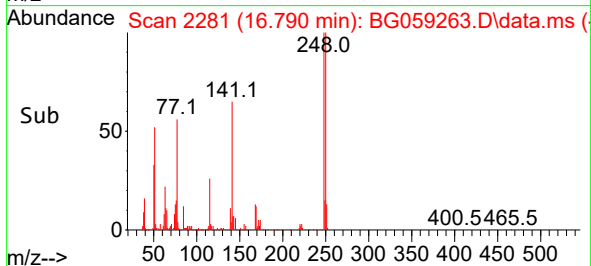
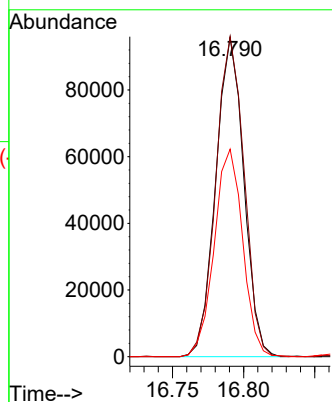
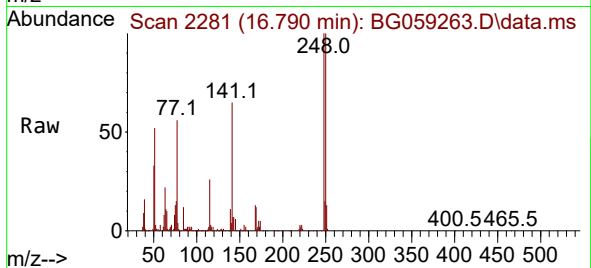




#68
4-Bromophenyl-phenylether
Concen: 44.904 ng/ul
RT: 16.790 min Scan# 211
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

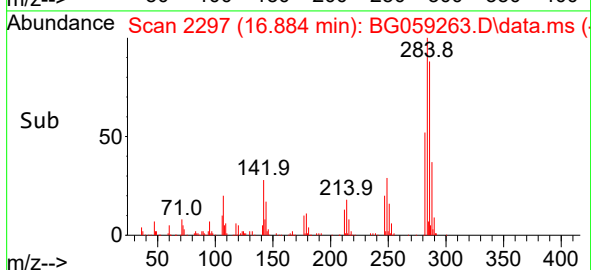
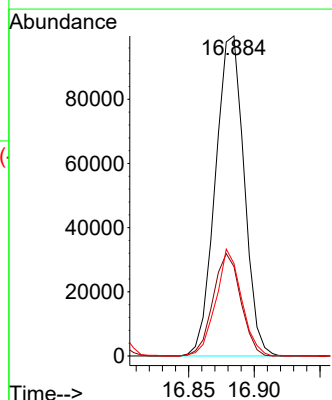
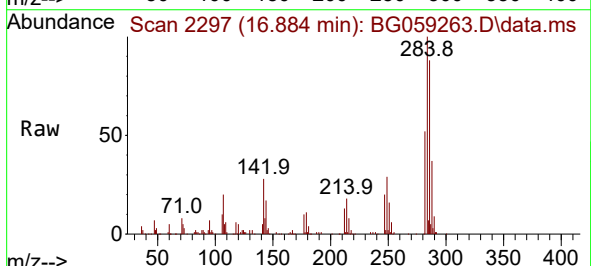
Instrument :
BNA_G
ClientSampleId :
BBJY7

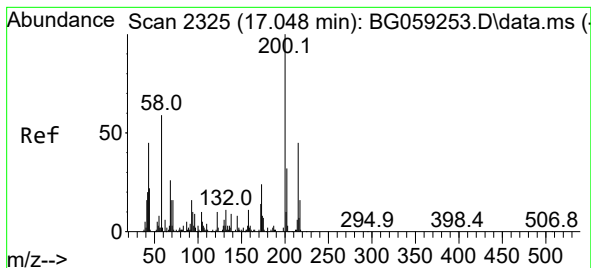
Tgt Ion:248 Resp: 131523
Ion Ratio Lower Upper
248 100
250 100.3 78.9 118.3
141 65.1 49.6 74.4



#69
Hexachlorobenzene
Concen: 45.937 ng/ul
RT: 16.884 min Scan# 2297
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

Tgt Ion:284 Resp: 152006
Ion Ratio Lower Upper
284 100
142 28.0 26.8 40.2
249 28.9 24.2 36.4





#70

Atrazine

Concen: 42.765 ng/ul

RT: 17.049 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

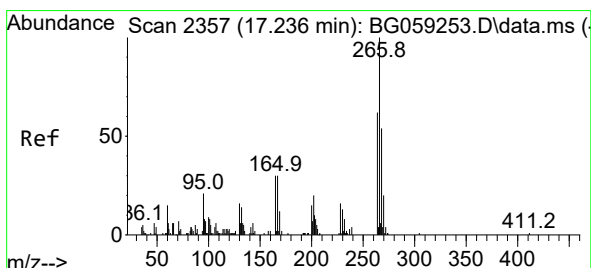
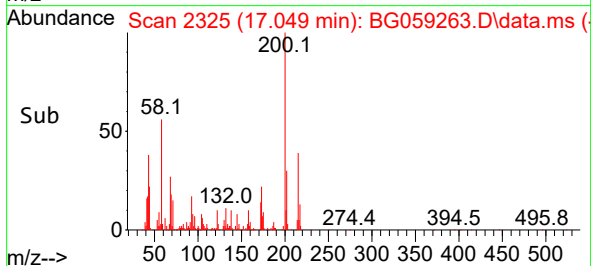
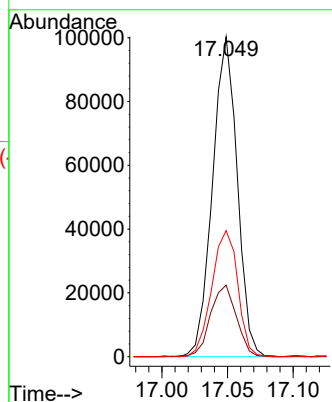
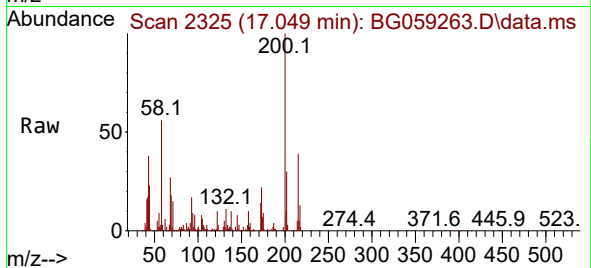
Tgt Ion:200 Resp: 131052

Ion Ratio Lower Upper

200 100

173 22.4 17.4 26.0

215 39.4 35.8 53.6



#71

Pentachlorophenol

Concen: 47.617 ng/ul

RT: 17.237 min Scan# 2357

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

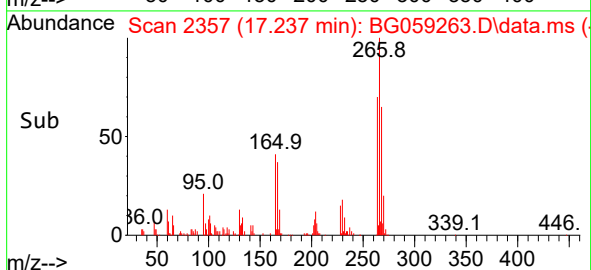
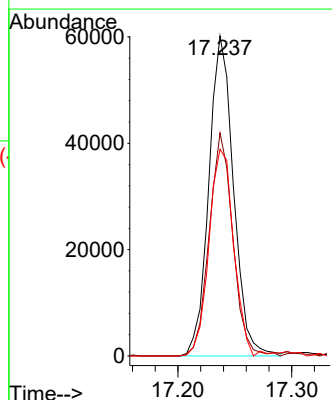
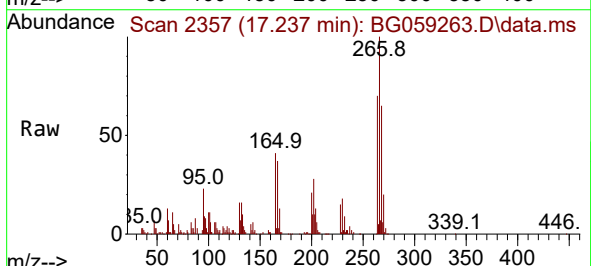
Tgt Ion:266 Resp: 90682

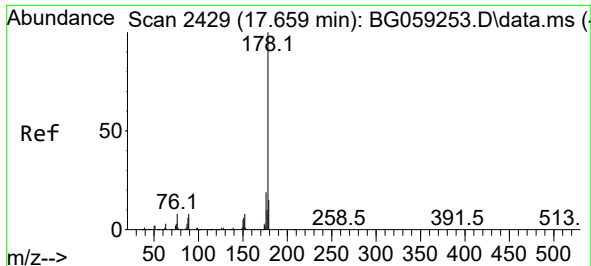
Ion Ratio Lower Upper

266 100

264 69.7 46.4 69.6#

268 64.6 46.0 69.0

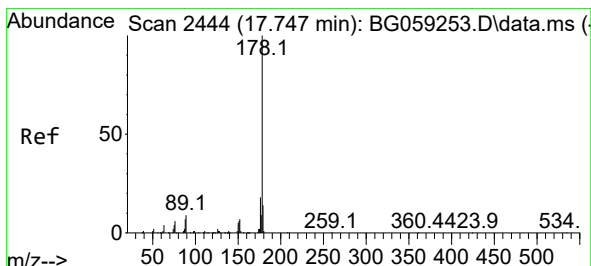
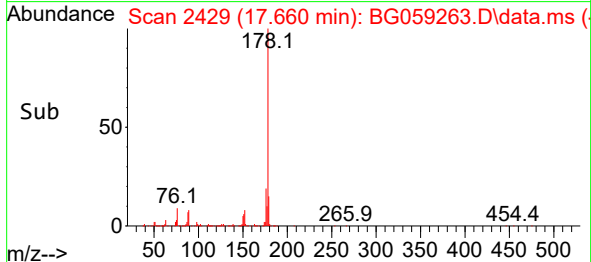
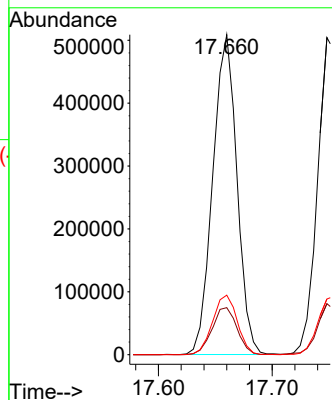
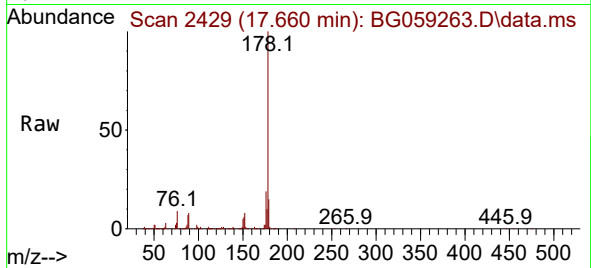




#72
Phenanthrene
Concen: 45.247 ng/ul
RT: 17.660 min Scan# 2429
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

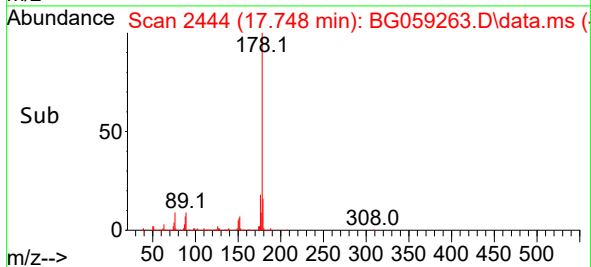
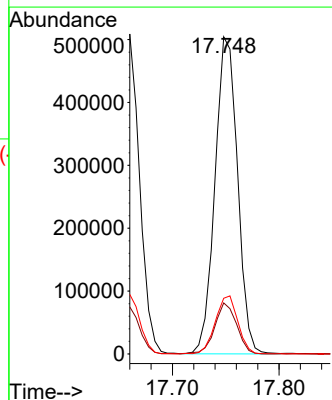
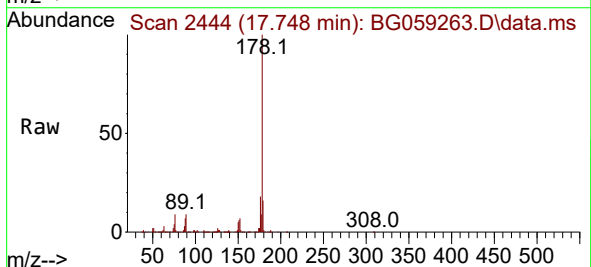
Instrument :
BNA_G
ClientSampleId :
BBJY7

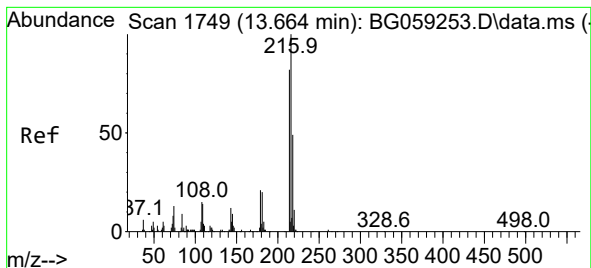
Tgt Ion:178 Resp: 750741
Ion Ratio Lower Upper
178 100
179 14.7 12.3 18.5
176 18.6 14.6 21.8



#74
Anthracene
Concen: 43.296 ng/ul
RT: 17.748 min Scan# 2444
Delta R.T. -0.007 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

Tgt Ion:178 Resp: 741773
Ion Ratio Lower Upper
178 100
179 16.1 12.0 18.0
176 17.6 14.5 21.7





#75

1,2,3,4-Tetrachlorobenzene

Concen: 43.190 ng/uL

RT: 13.665 min Scan# 1

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

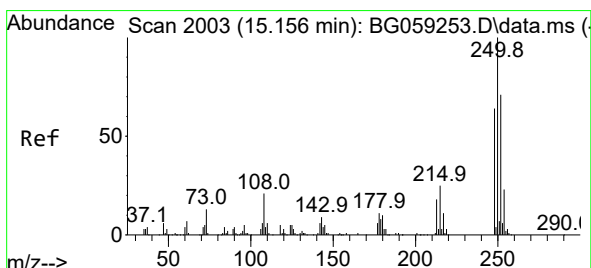
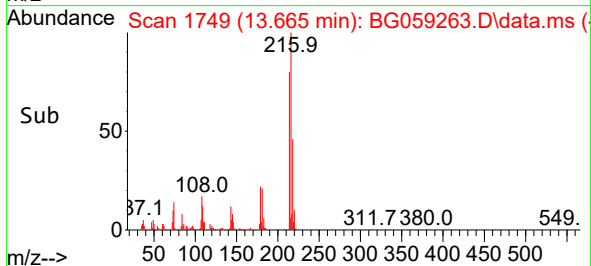
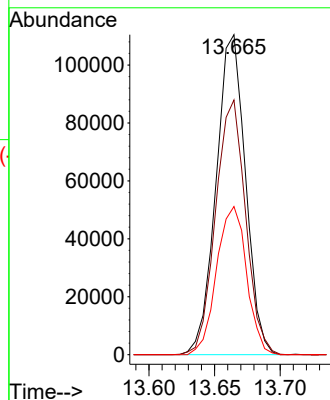
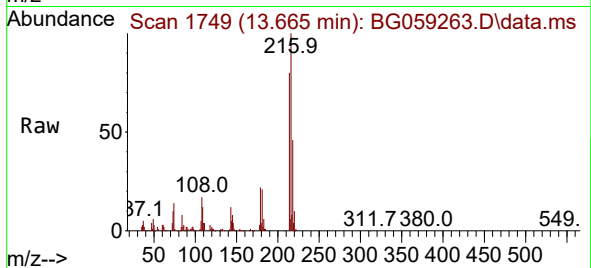
Tgt Ion:216 Resp: 172080

Ion Ratio Lower Upper

216 100

214 79.6 64.3 96.5

218 46.3 38.6 57.8



#76

Pentachlorobenzene

Concen: 41.975 ng/uL

RT: 15.157 min Scan# 2003

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

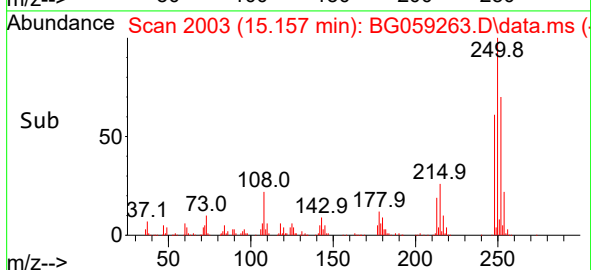
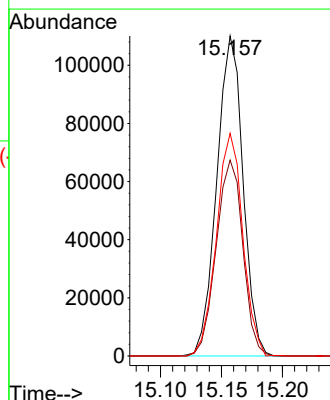
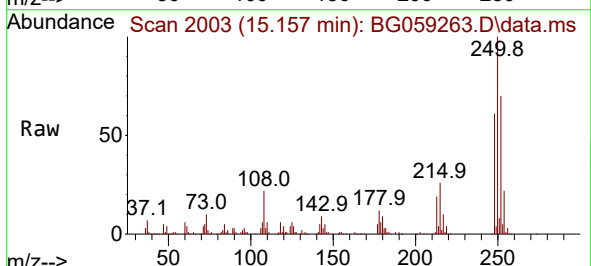
Tgt Ion:250 Resp: 165128

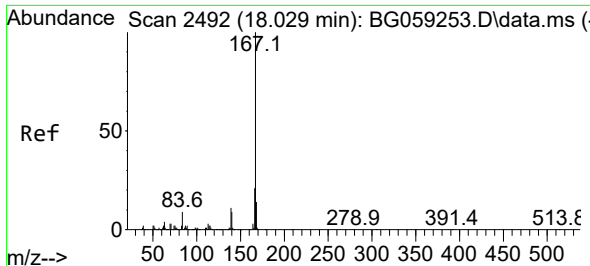
Ion Ratio Lower Upper

250 100

248 61.2 50.4 75.6

252 69.6 55.8 83.6

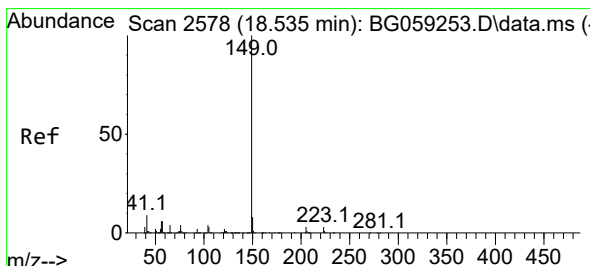
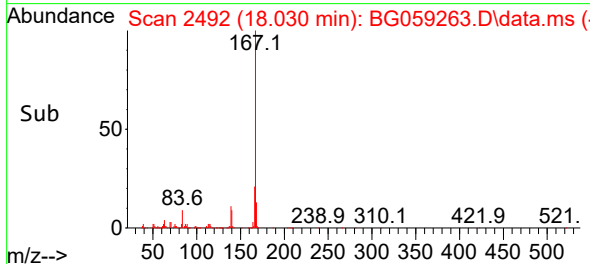
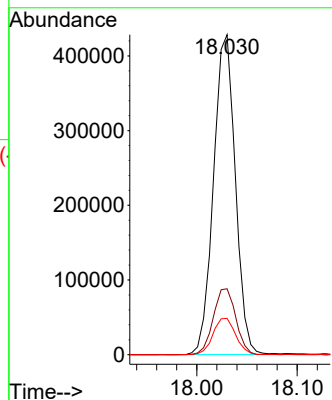
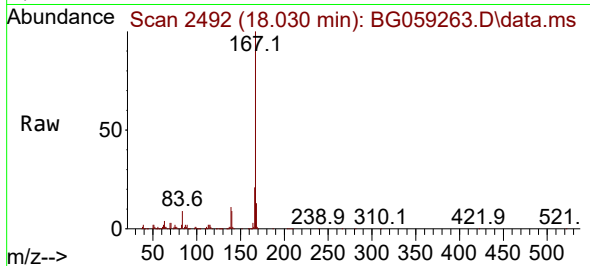




#77
Carbazole
Concen: 46.278 ng/ul
RT: 18.030 min Scan# 2492
Delta R.T. -0.001 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

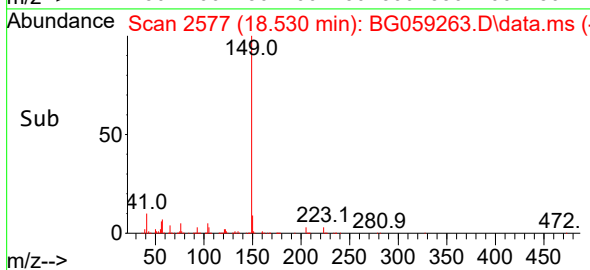
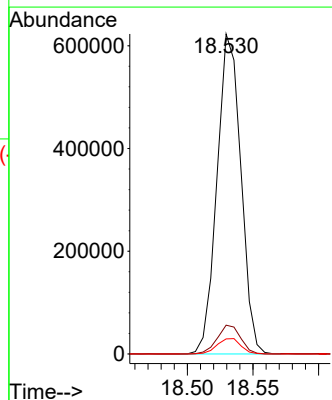
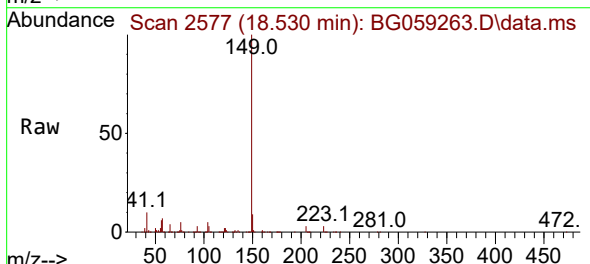
Instrument :
BNA_G
ClientSampleId :
BBJY7

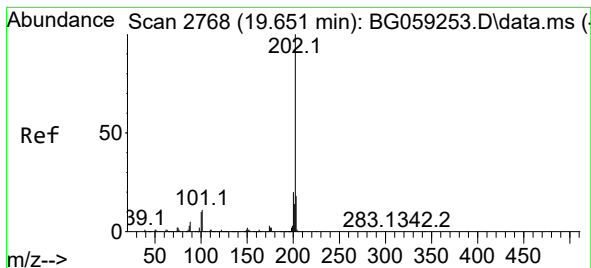
Tgt Ion:167 Resp: 646214
Ion Ratio Lower Upper
167 100
166 20.6 17.4 26.0
139 11.4 9.0 13.4



#78
Di-n-butylphthalate
Concen: 47.569 ng/ul
RT: 18.530 min Scan# 2577
Delta R.T. -0.007 min
Lab File: BG059263.D
Acq: 29 Sep 2023 11:18

Tgt Ion:149 Resp: 787384
Ion Ratio Lower Upper
149 100
150 9.0 7.2 10.8
104 4.7 3.6 5.4





#80

Fluoranthene

Concen: 45.232 ng/ul

RT: 19.652 min Scan# 21

Delta R.T. -0.007 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

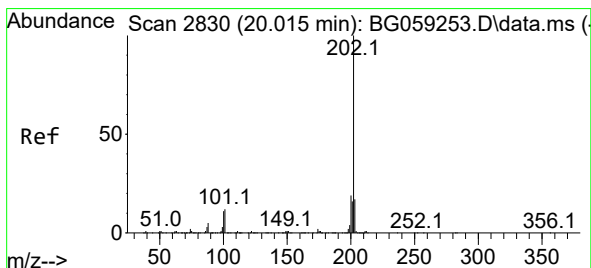
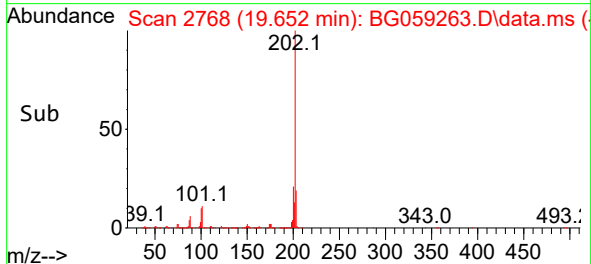
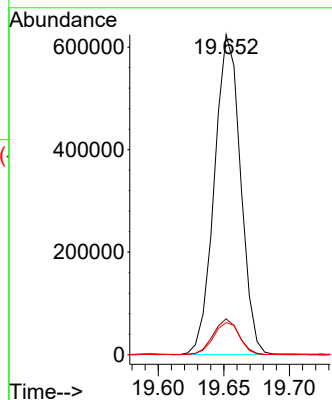
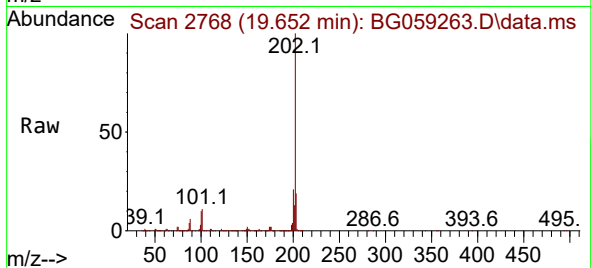
Tgt Ion:202 Resp: 864872

Ion Ratio Lower Upper

202 100

101 11.2 8.2 12.4

100 10.0 8.2 12.2



#82

Pyrene

Concen: 44.477 ng/ul

RT: 20.016 min Scan# 2830

Delta R.T. -0.007 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

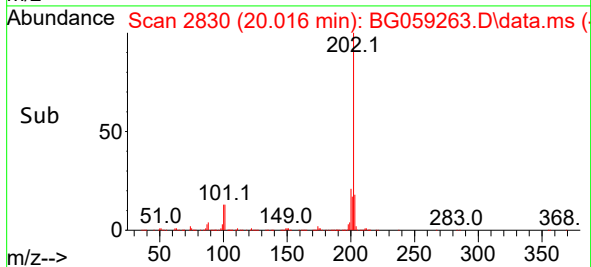
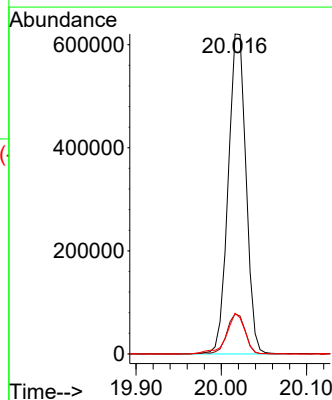
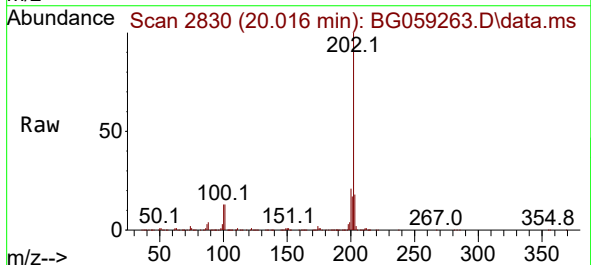
Tgt Ion:202 Resp: 900808

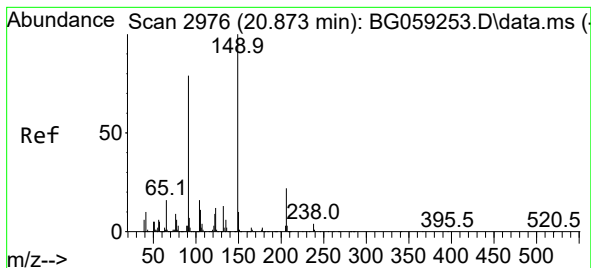
Ion Ratio Lower Upper

202 100

101 12.6 10.2 15.4

100 12.7 9.6 14.4





#83

Butylbenzylphthalate

Concen: 48.676 ng/ul

RT: 20.874 min Scan# 2976

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

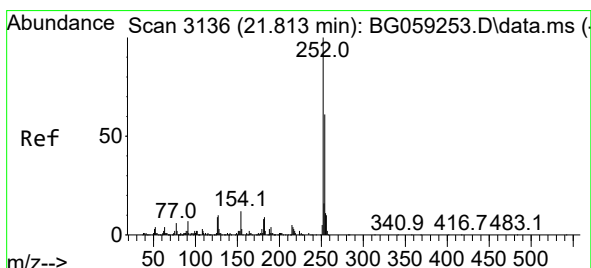
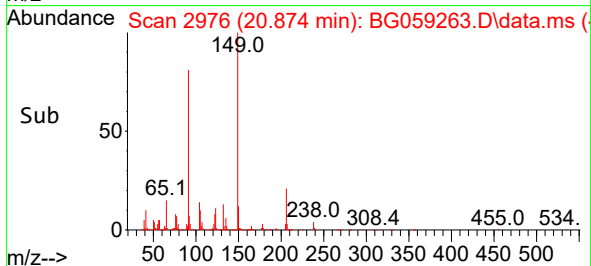
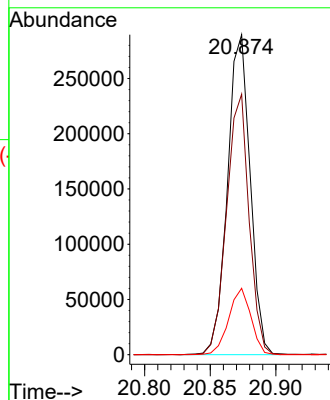
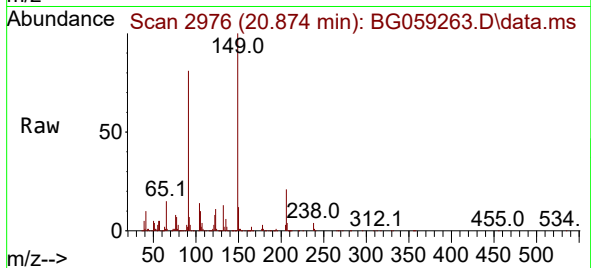
Tgt Ion:149 Resp: 347650

Ion Ratio Lower Upper

149 100

91 81.4 64.5 96.7

206 20.8 17.0 25.6



#84

3,3'-Dichlorobenzidine

Concen: 44.702 ng/ul

RT: 21.814 min Scan# 3136

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

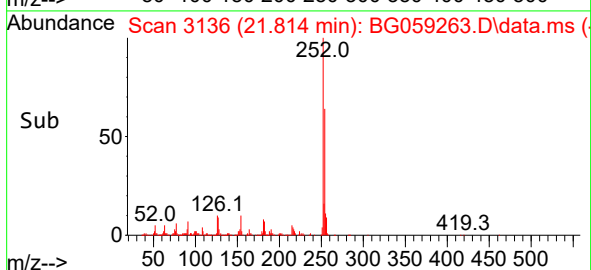
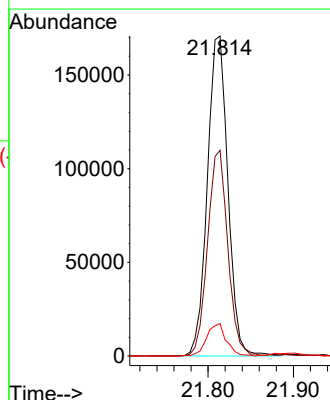
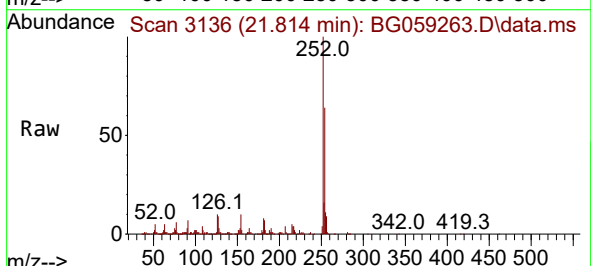
Tgt Ion:252 Resp: 286931

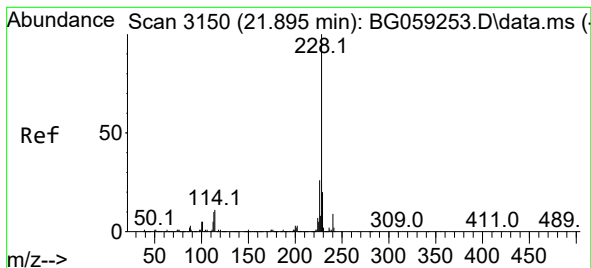
Ion Ratio Lower Upper

252 100

254 64.2 50.2 75.2

126 10.1 7.9 11.9





#85

Benzo(a)anthracene

Concen: 44.576 ng/ul

RT: 21.896 min Scan# 3150

Delta R.T. -0.007 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

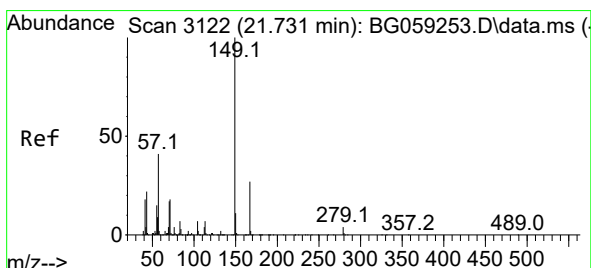
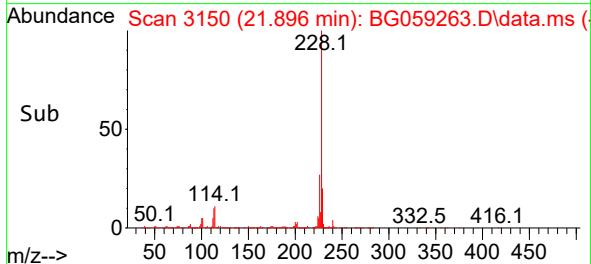
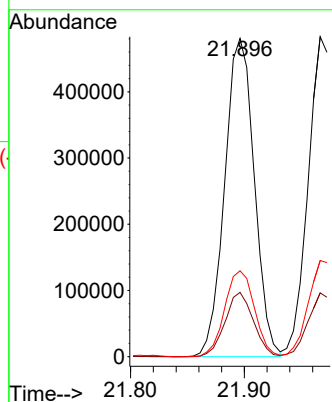
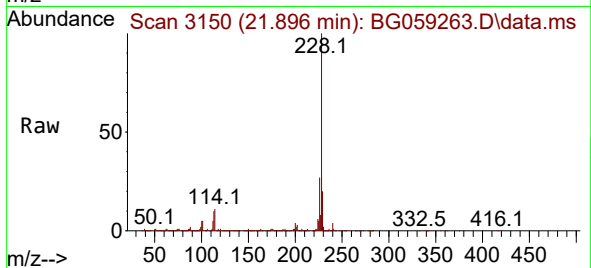
Tgt Ion:228 Resp: 869716

Ion Ratio Lower Upper

228 100

229 20.2 15.5 23.3

226 27.0 21.4 32.2



#86

Bis(2-ethylhexyl)phthalate

Concen: 47.158 ng/ul

RT: 21.726 min Scan# 3121

Delta R.T. -0.013 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

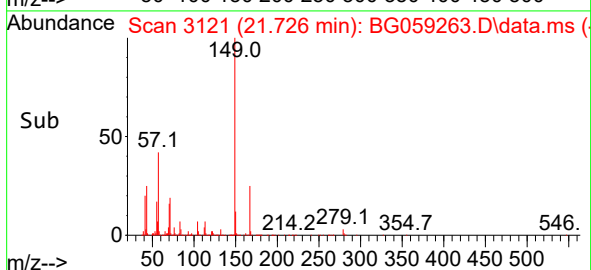
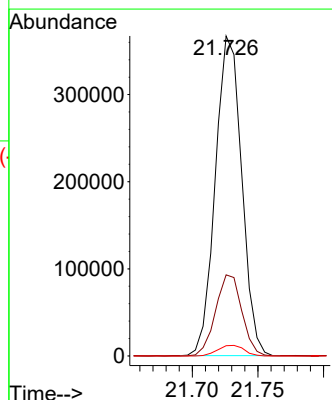
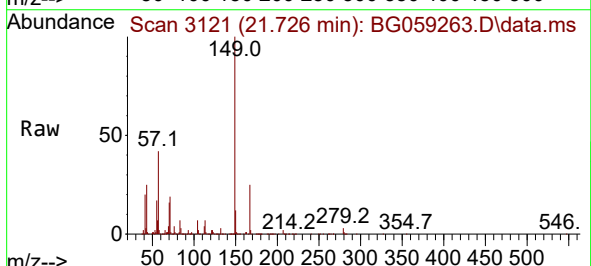
Tgt Ion:149 Resp: 511436

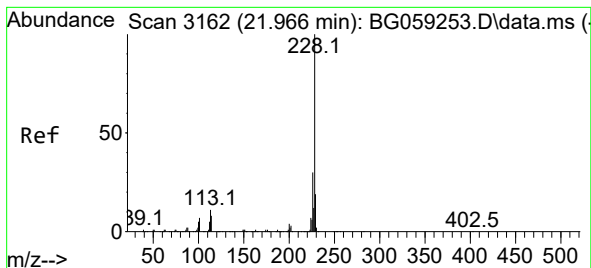
Ion Ratio Lower Upper

149 100

167 25.4 19.1 28.7

279 3.2 2.9 4.3





#87

Chrysene

Concen: 44.254 ng/ul

RT: 21.967 min Scan# 3162

Delta R.T. -0.007 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

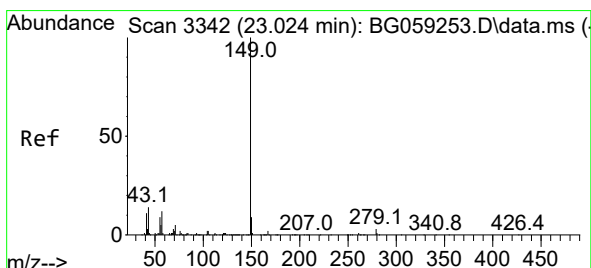
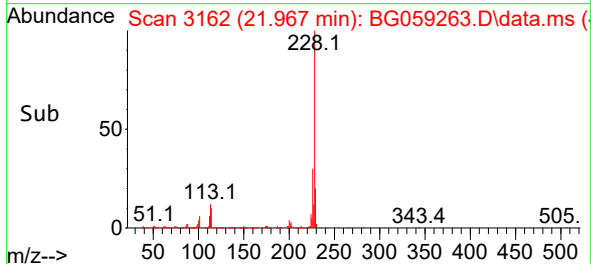
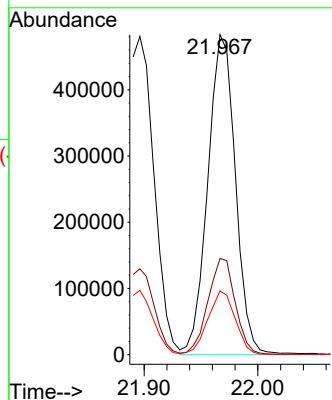
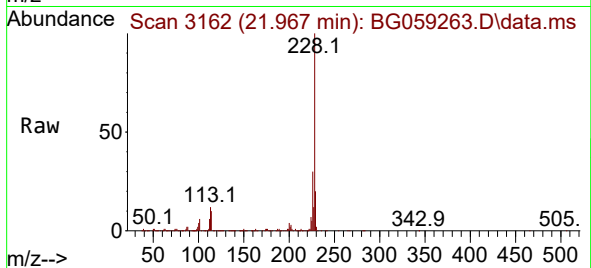
Tgt Ion:228 Resp: 815493

Ion Ratio Lower Upper

228 100

226 30.1 24.2 36.4

229 19.9 16.2 24.2



#89

Di-n-octyl phthalate

Concen: 47.926 ng/ul

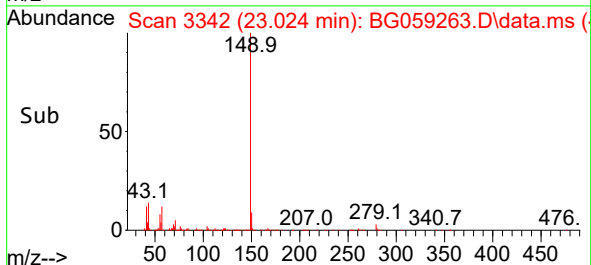
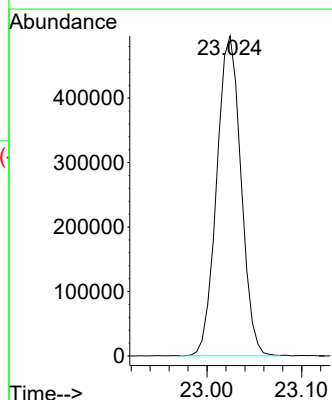
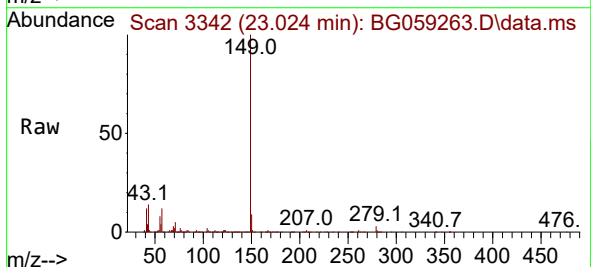
RT: 23.024 min Scan# 3342

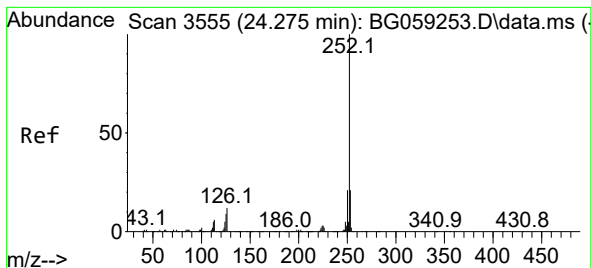
Delta R.T. -0.007 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Tgt Ion:149 Resp: 881176





#90

Benzo(b)fluoranthene

Concen: 45.835 ng/ul

RT: 24.276 min Scan# 3555

Delta R.T. -0.007 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

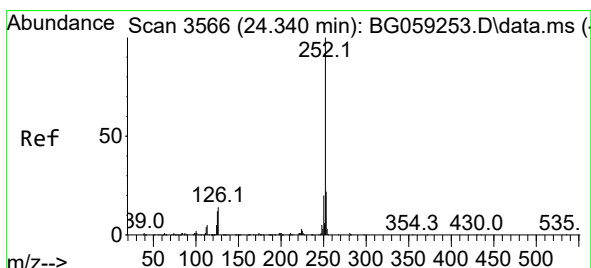
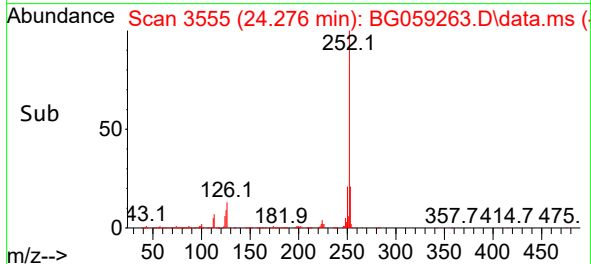
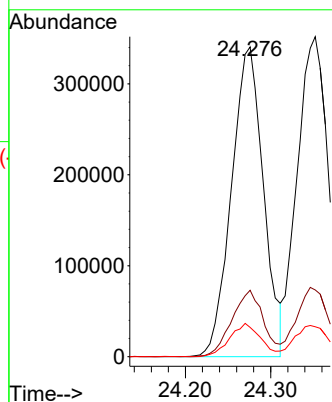
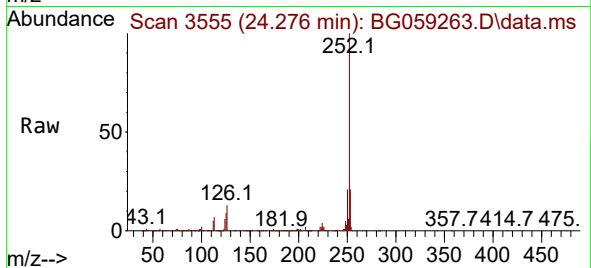
Tgt Ion:252 Resp: 887487

Ion Ratio Lower Upper

252 100

253 21.4 18.0 27.0

125 9.4 8.1 12.1



#91

Benzo(k)fluoranthene

Concen: 46.030 ng/ul

RT: 24.352 min Scan# 3568

Delta R.T. -0.007 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

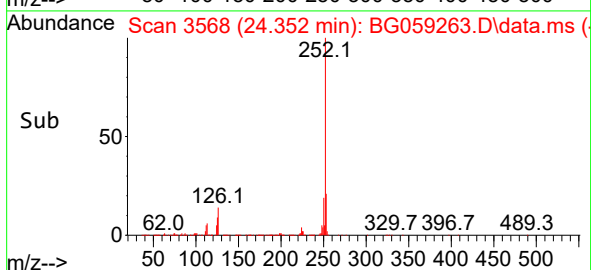
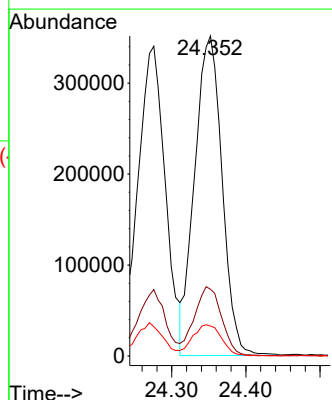
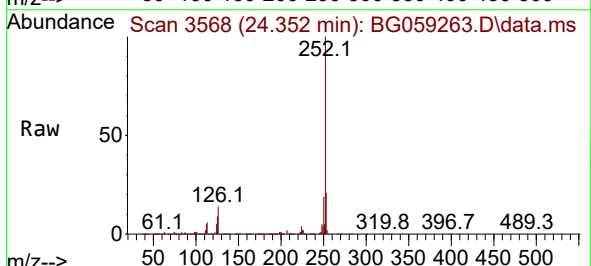
Tgt Ion:252 Resp: 903080

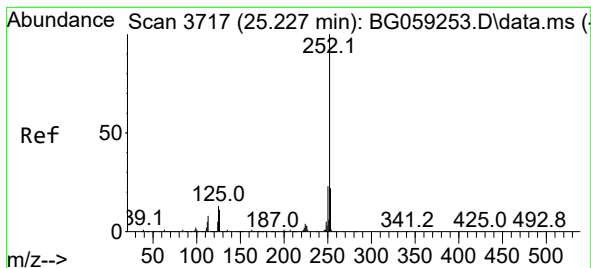
Ion Ratio Lower Upper

252 100

253 20.9 17.6 26.4

125 9.3 8.1 12.1





#93

Benzo(a)pyrene

Concen: 45.744 ng/ul

RT: 25.239 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

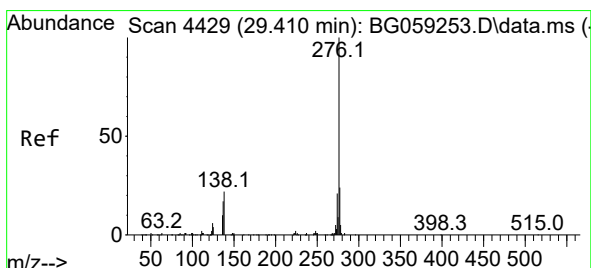
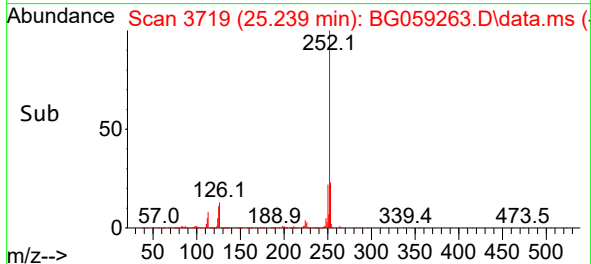
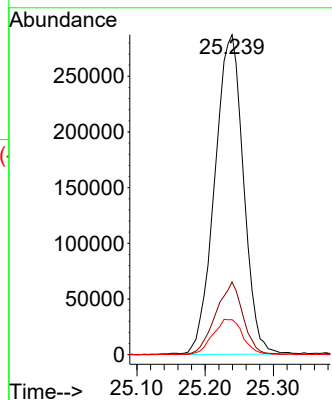
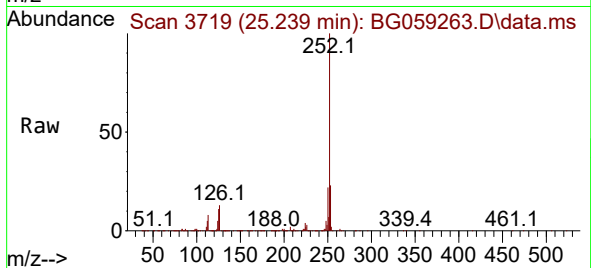
Tgt Ion:252 Resp: 840249

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

125 10.9 9.4 14.0



#94

Indeno(1,2,3-cd)pyrene

Concen: 41.756 ng/ul

RT: 29.429 min Scan# 4432

Delta R.T. -0.007 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

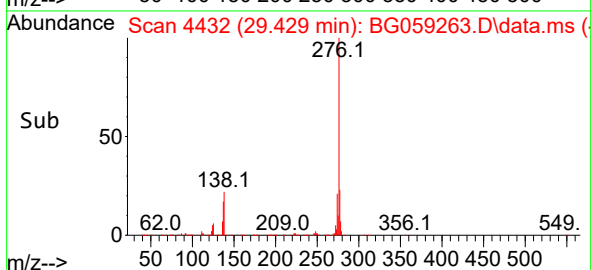
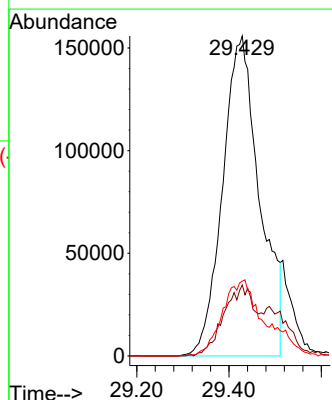
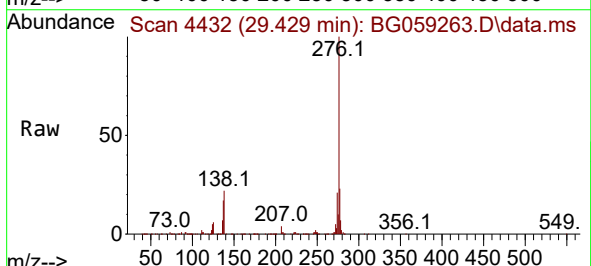
Tgt Ion:276 Resp: 868227

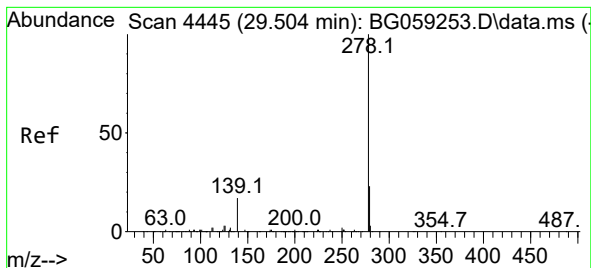
Ion Ratio Lower Upper

276 100

138 22.2 17.0 25.6

277 23.4 18.6 28.0





#95

Dibenzo(a,h)anthracene

Concen: 46.085 ng/ul

RT: 29.505 min Scan# 4445

Delta R.T. -0.007 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Instrument :

BNA_G

ClientSampleId :

BBJY7

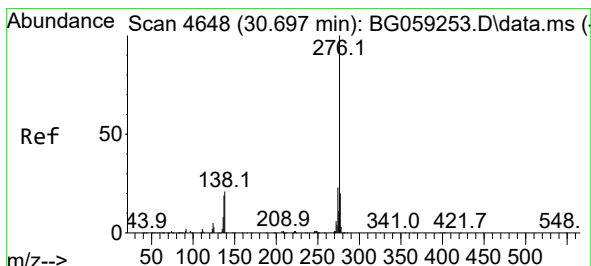
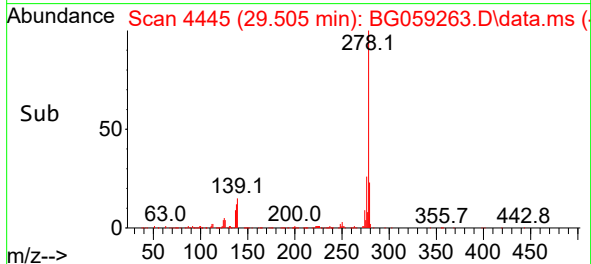
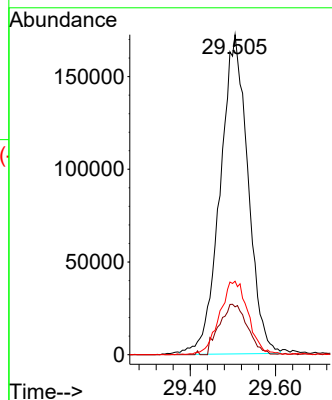
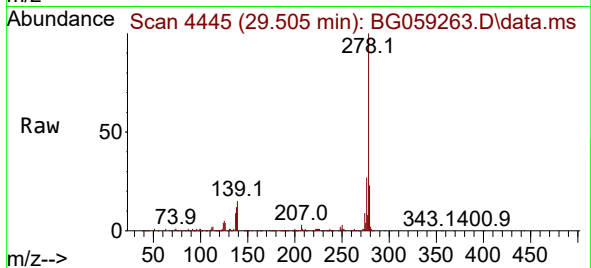
Tgt Ion:278 Resp: 779261

Ion Ratio Lower Upper

278 100

139 14.9 12.1 18.1

279 22.9 18.6 27.8



#96

Benzo(g,h,i)perylene

Concen: 45.193 ng/ul

RT: 30.709 min Scan# 4650

Delta R.T. -0.001 min

Lab File: BG059263.D

Acq: 29 Sep 2023 11:18

Tgt Ion:276 Resp: 764067

Ion Ratio Lower Upper

276 100

138 22.3 16.6 25.0

277 24.6 20.0 30.0

