

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092523\
 Data File : BG059183.D
 Acq On : 25 Sep 2023 14:27
 Operator : MA/JU
 Sample : 04429-10DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BBHJ4DL

Quant Time: Sep 25 22:37:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091923.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Sep 25 22:33:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.318	152	21851	20.000	ng/ul	# 0.01
20) Naphthalene-d8	11.161	136	117604	20.000	ng/ul	# 0.01
38) Acenaphthene-d10	14.945	164	60853	20.000	ng/ul	0.01
64) Phenanthrene-d10	17.695	188	139726	20.000	ng/ul	0.01
79) Chrysene-d12	22.019	240	114102	20.000	ng/ul	0.01
88) Perylene-d12	25.586	264	132957	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.629	96	1156	2.071	ng/uL	0.00
4) Pyridine-d5	4.064	84	25482	15.559	ng/ul	0.00
7) Phenol-d5	7.442	99	8944	4.163	ng/ul	0.01
9) Bis-(2-Chloroethyl)eth...	7.636	67	27231	20.653	ng/ul	0.01
11) 2-Chlorophenol-d4	7.836	132	17466	11.016	ng/ul	0.01
15) 4-Methylphenol-d8	9.011	113	14205	8.301	ng/ul	0.01
21) Nitrobenzene-d5	9.516	128	14009	15.437	ng/ul	0.01
24) 2-Nitrophenol-d4	10.233	143	12525	13.663	ng/ul	0.01
28) 2,4-Dichlorophenol-d3	10.762	165	21605	12.414	ng/ul	0.01
31) 4-Chloroaniline-d4	11.308	131	35750	13.161	ng/ul	0.01
46) Dimethylphthalate-d6	14.334	166	79763	17.043	ng/ul	0.00
49) Acenaphthylene-d8	14.646	160	96939	17.011	ng/ul	0.01
54) 4-Nitrophenol-d4	15.127	143	540	0.632	ng/ul	0.00
60) Fluorene-d10	15.932	176	73264	17.102	ng/ul	0.01
65) 4,6-Dinitro-2-methylph...	16.038	200	7362	9.268	ng/ul	0.00
73) Anthracene-d10	17.695	188	140400	22.084	ng/ul	-0.09
81) Pyrene-d10	20.063	212	134210	20.124	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.339	264	110445	17.012	ng/ul	0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.664	88	13697	21.699	ng/uL#	82
5) Pyridine	4.087	79	13762	8.247	ng/ul#	80
6) Benzaldehyde	7.495	77	10634	9.545	ng/ul#	1
8) Phenol	7.472	94	95725	43.346	ng/ul	100
10) Bis(2-Chloroethyl)ether	7.730	93	9610	5.420	ng/ul#	90
12) 2-Chlorophenol	7.871	128	1648	1.019	ng/ul#	75
13) 2-Methylphenol	8.747	108	40288	24.582	ng/ul	92
16) Acetophenone	9.158	105	58790	22.316	ng/ul	97
18) 4-Methylphenol	9.076	108	267314	152.200	ng/ul	99
19) Hexachloroethane	9.422	117	21787	34.255	ng/ul#	5
23) Isophorone	10.063	82	6149	1.395	ng/ul#	66
26) 2,4-Dimethylphenol	10.298	107	75001	39.156	ng/ul	88
27) Bis(2-Chloroethoxy)met...	10.562	93	24217	8.833	ng/ul#	1
29) 2,4-Dichlorophenol	10.797	162	13271	7.543	ng/ul#	81
30) Naphthalene	11.214	128	320644	50.952	ng/ul	98
32) 4-Chloroaniline	11.332	127	3759	1.406	ng/ul	99
34) Caprolactam	12.149	113	3033	4.707	ng/ul#	1
35) 4-Chloro-3-methylphenol	12.413	107	2885	1.557	ng/ul#	54
36) 2-Methylnaphthalene	12.795	142	254922	60.652	ng/ul	97
37) 1-Methylnaphthalene	13.012	142	301041	70.904	ng/ul#	95
42) 2,4,5-Trichlorophenol	13.453	196	7430	5.896	ng/ul	92
43) 1,1'-Biphenyl	13.782	154	63120	12.995	ng/ul#	95
52) Acenaphthene	15.010	153	19351	4.688	ng/ul#	77
55) 4-Nitrophenol	15.145	109	1859	3.294	ng/ul#	26

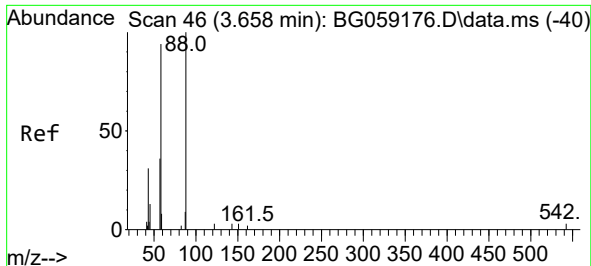
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092523\
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Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
57) 2,4-Dinitrotoluene	15.321	165	4006	3.146	ng/ul#	18
59) Diethylphthalate	15.727	149	30619	6.501	ng/ul	100
61) Fluorene	15.985	166	37881	8.103	ng/ul#	85
67) N-Nitrosodiphenylamine	16.167	169	20351	5.471	ng/ul#	45
71) Pentachlorophenol	17.319	266	8161	8.069	ng/ul#	86
72) Phenanthrene	17.736	178	100955	12.911	ng/ul	95
74) Anthracene	17.736	178	100955	12.636	ng/ul	96
77) Carbazole	18.112	167	33983	5.116	ng/ul	96
82) Pyrene	20.092	202	14743	1.701	ng/ul#	1

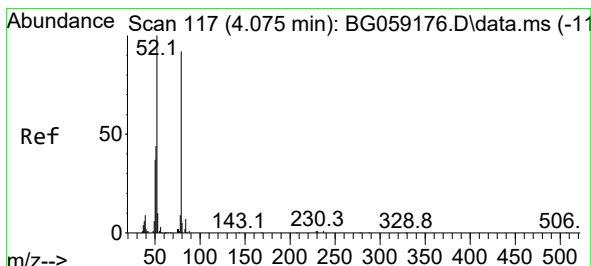
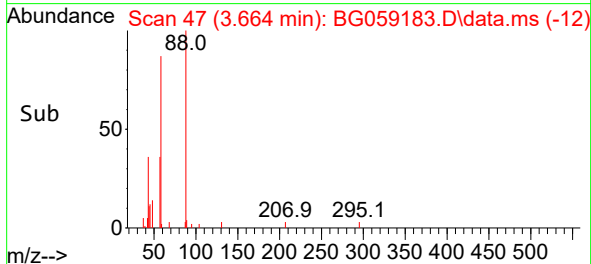
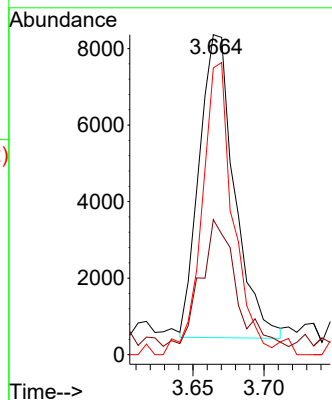
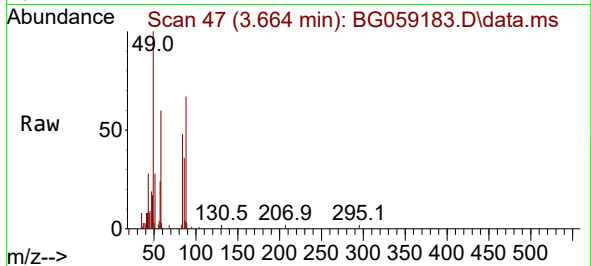
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
1,4-Dioxane
Concen: 21.699 ng/uL
RT: 3.664 min Scan# 41
Delta R.T. 0.006 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

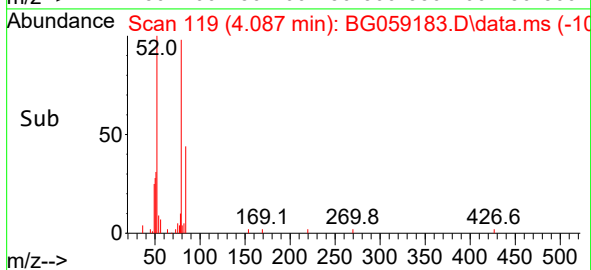
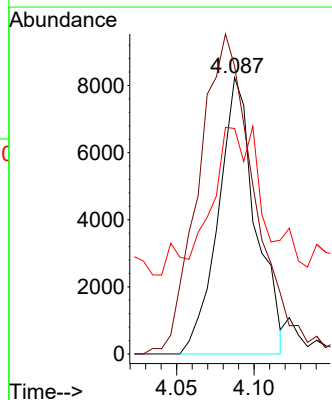
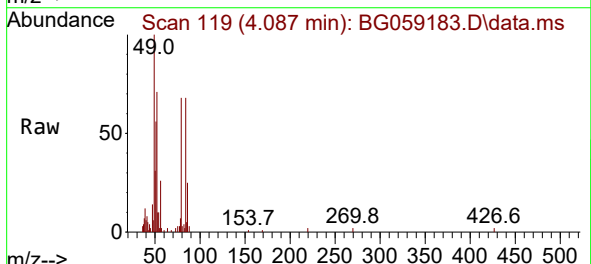
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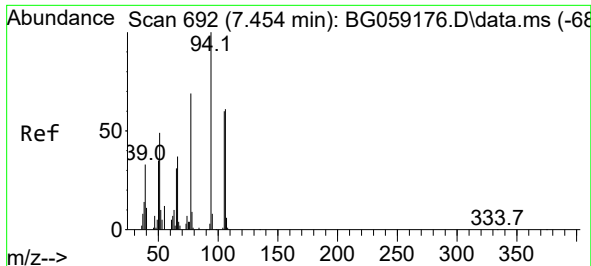
Tgt Ion: 88 Resp: 13697
Ion Ratio Lower Upper
88 100
43 42.2 24.5 36.7#
58 89.6 60.6 91.0



#5
Pyridine
Concen: 8.247 ng/uL
RT: 4.087 min Scan# 119
Delta R.T. 0.012 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

Tgt Ion: 79 Resp: 13762
Ion Ratio Lower Upper
79 100
52 104.1 90.6 135.8
51 81.6 39.6 59.4#

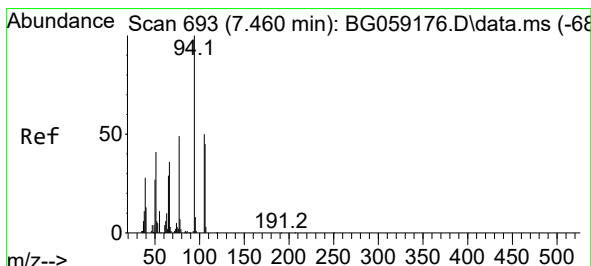
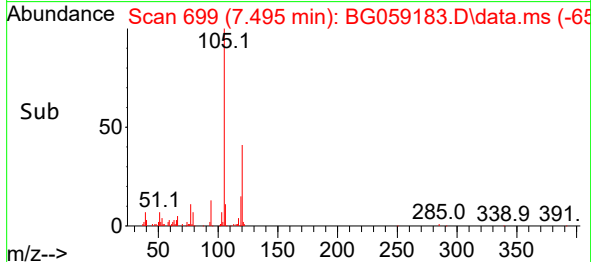
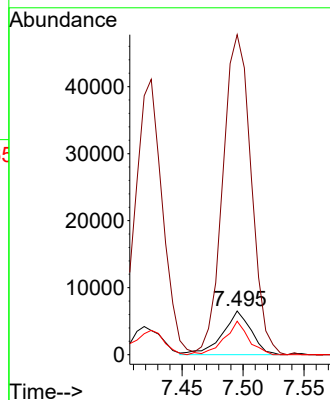
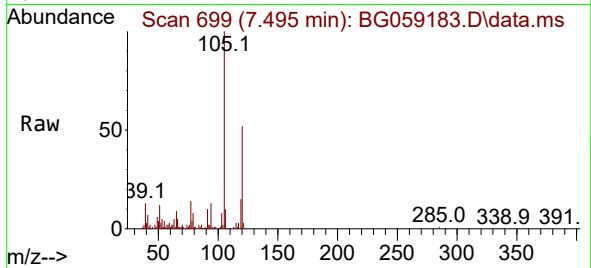




#6
Benzaldehyde
Concen: 9.545 ng/ul
RT: 7.495 min Scan# 692
Delta R.T. 0.041 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

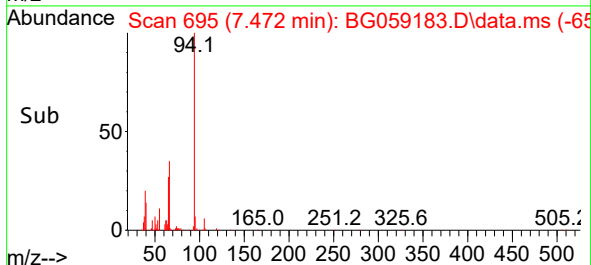
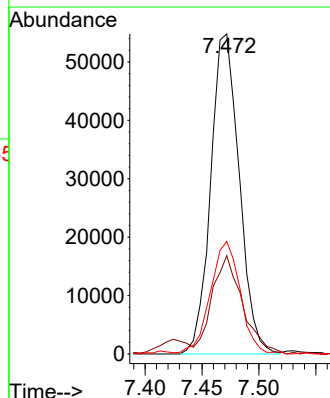
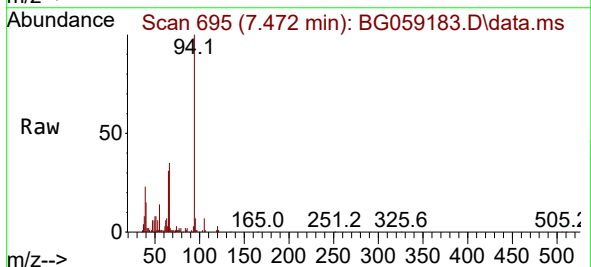
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ClientSampleId :
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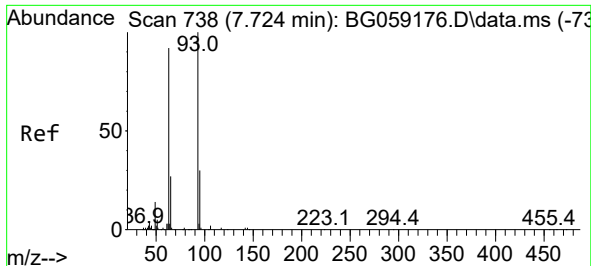
Tgt Ion: 77 Resp: 10634
Ion Ratio Lower Upper
77 100
105 731.3 76.9 115.3#
106 76.3 69.4 104.0



#8
Phenol
Concen: 43.346 ng/ul
RT: 7.472 min Scan# 695
Delta R.T. 0.012 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

Tgt Ion: 94 Resp: 95725
Ion Ratio Lower Upper
94 100
65 30.7 24.4 36.6
66 35.2 28.4 42.6

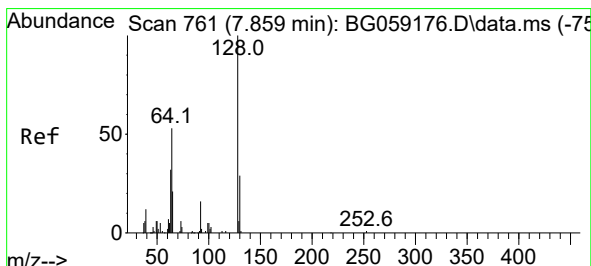
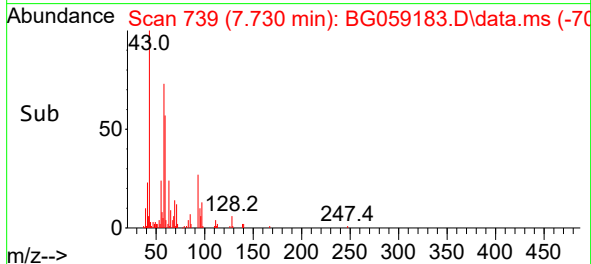
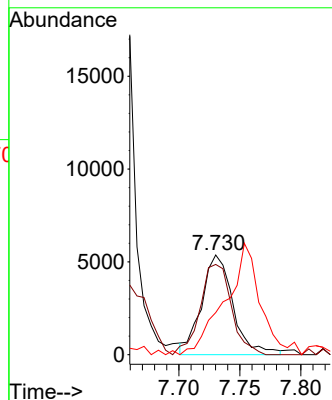
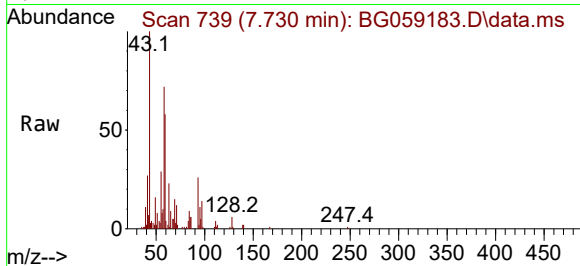




#10
Bis(2-Chloroethyl)ether
Concen: 5.420 ng/ul
RT: 7.730 min Scan# 710
Delta R.T. 0.006 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

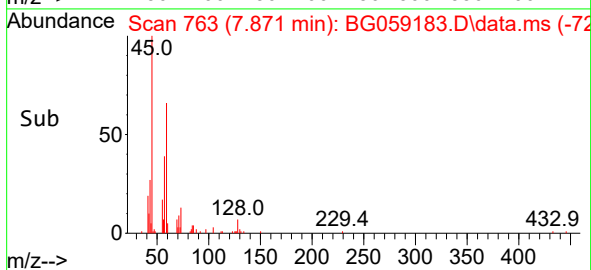
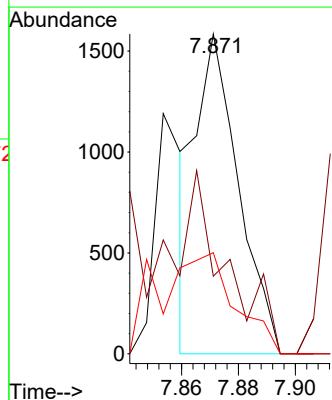
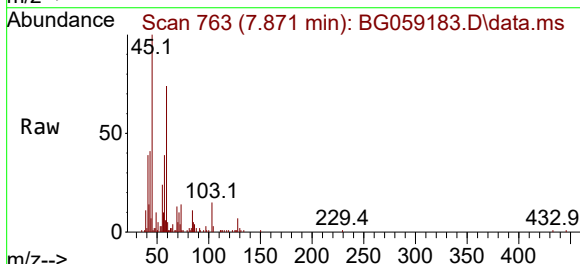
Instrument :
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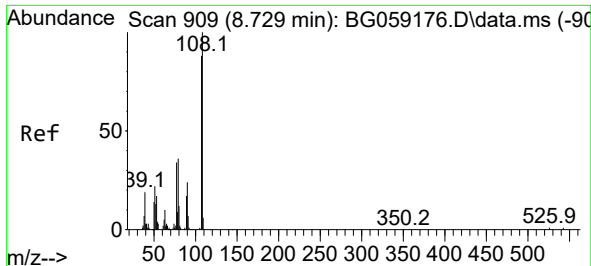
Tgt Ion: 93 Resp: 9610
Ion Ratio Lower Upper
93 100
63 90.5 68.3 102.5
95 42.2 23.8 35.8#



#12
2-Chlorophenol
Concen: 1.019 ng/ul
RT: 7.871 min Scan# 763
Delta R.T. 0.012 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

Tgt Ion:128 Resp: 1648
Ion Ratio Lower Upper
128 100
64 24.3 40.3 60.5#
130 31.6 24.0 36.0

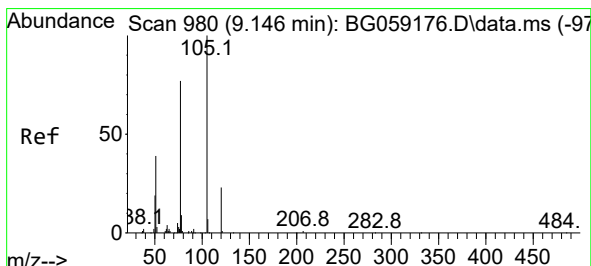
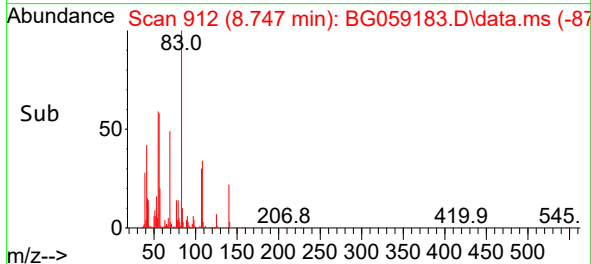
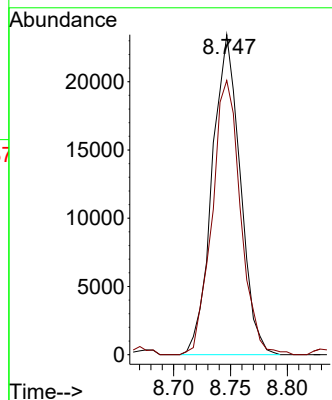
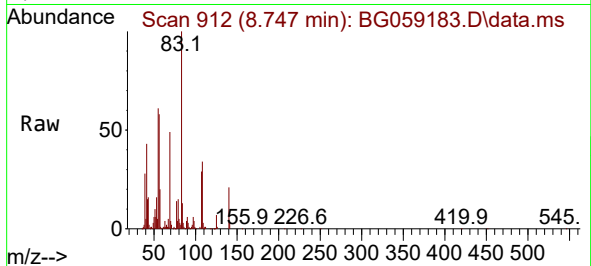




#13
2-Methylphenol
Concen: 24.582 ng/ul
RT: 8.747 min Scan# 912
Delta R.T. 0.018 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

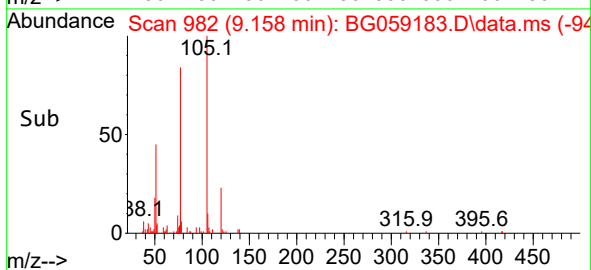
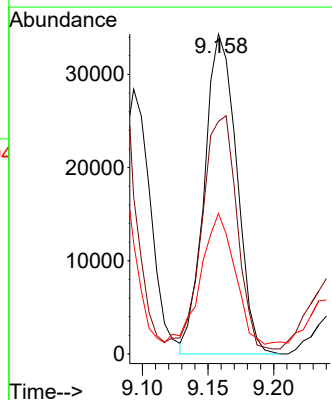
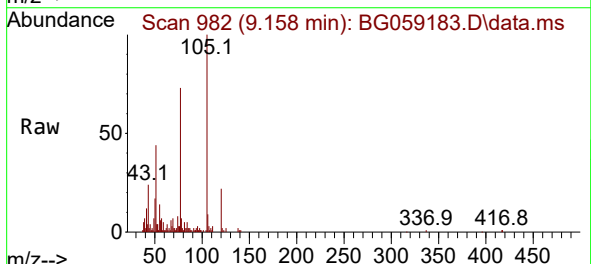
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ClientSampleId :
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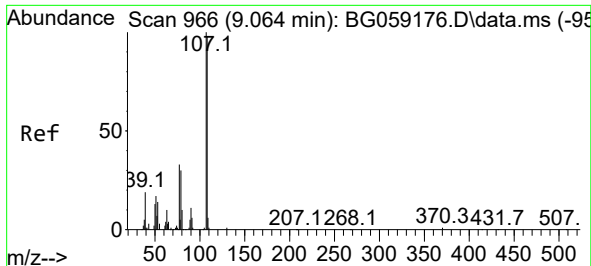
Tgt Ion:108 Resp: 40288
Ion Ratio Lower Upper
108 100
107 85.7 75.1 112.7



#16
Acetophenone
Concen: 22.316 ng/ul
RT: 9.158 min Scan# 982
Delta R.T. 0.012 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

Tgt Ion:105 Resp: 58790
Ion Ratio Lower Upper
105 100
77 72.7 57.2 85.8
51 43.9 31.6 47.4

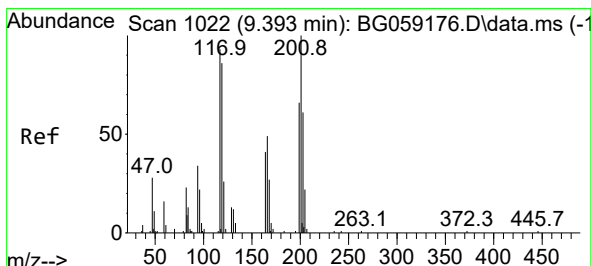
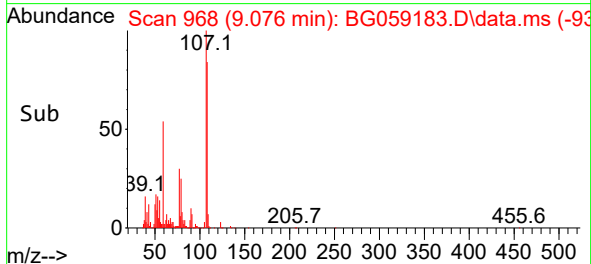
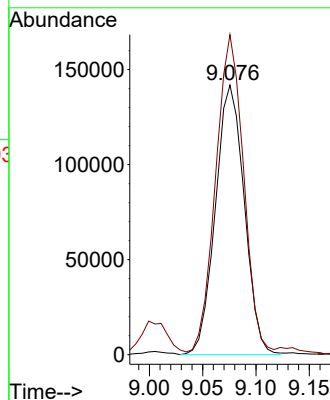
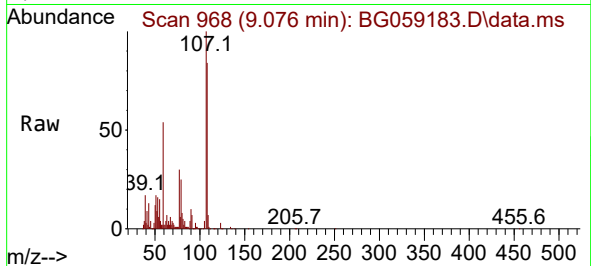




#18
4-Methylphenol
Concen: 152.200 ng/ul
RT: 9.076 min Scan# 90
Delta R.T. 0.012 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

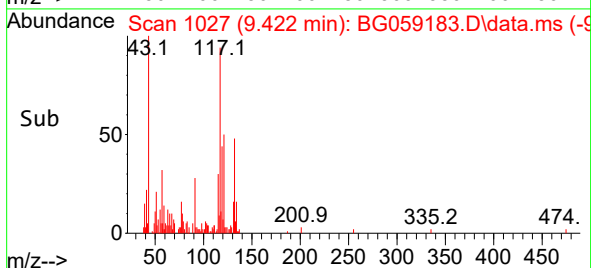
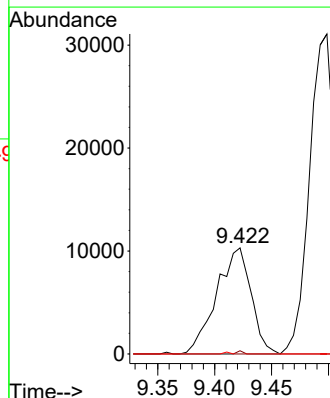
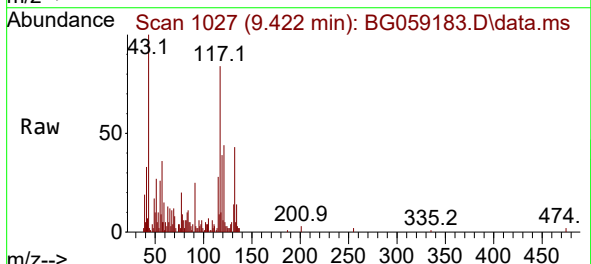
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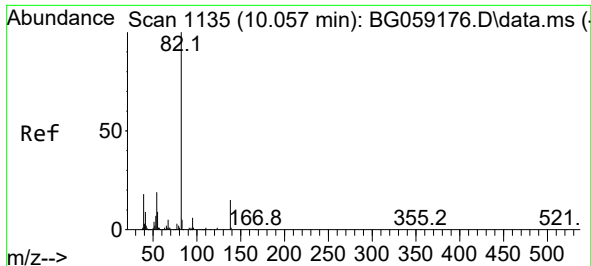
Tgt Ion:108 Resp: 267314
Ion Ratio Lower Upper
108 100
107 118.7 94.4 141.6



#19
Hexachloroethane
Concen: 34.255 ng/ul
RT: 9.422 min Scan# 1027
Delta R.T. 0.030 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

Tgt Ion:117 Resp: 21787
Ion Ratio Lower Upper
117 100
201 3.0 86.4 129.6#
199 0.0 56.2 84.2#

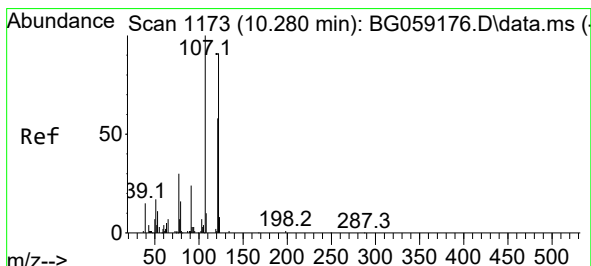
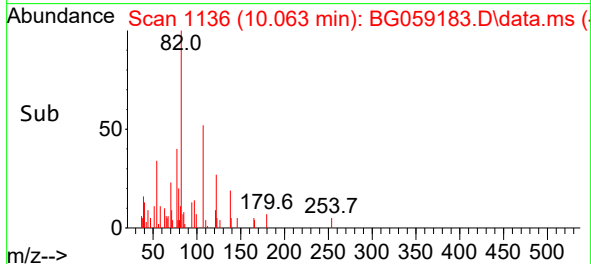
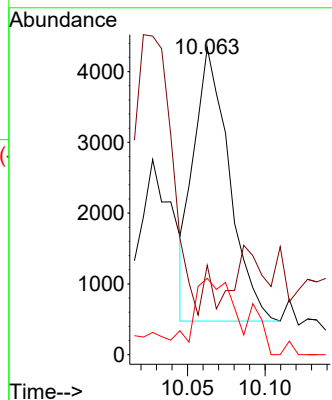
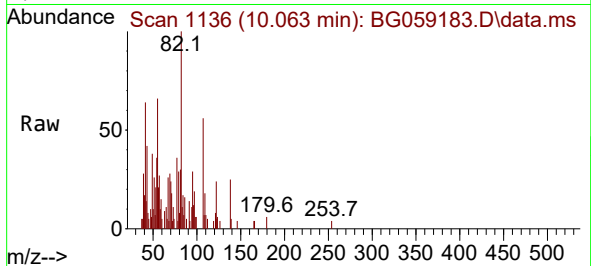




#23
Isophorone
Concen: 1.395 ng/ul
RT: 10.063 min Scan# 1135
Delta R.T. 0.006 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

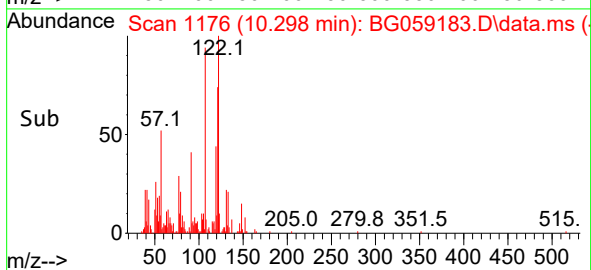
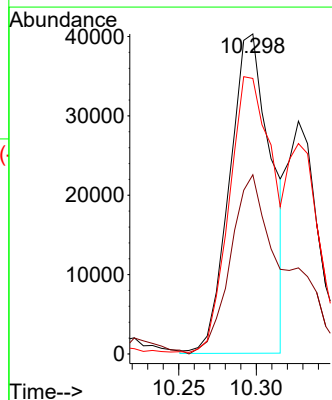
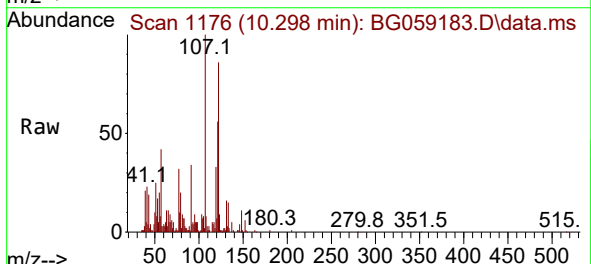
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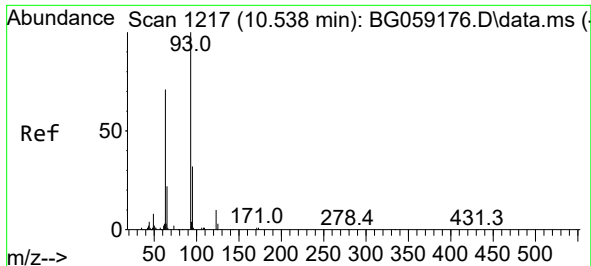
Tgt Ion: 82 Resp: 6149
Ion Ratio Lower Upper
82 100
95 29.1 5.4 8.2#
138 24.9 12.7 19.1#



#26
2,4-Dimethylphenol
Concen: 39.156 ng/ul
RT: 10.298 min Scan# 1176
Delta R.T. 0.018 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

Tgt Ion: 107 Resp: 75001
Ion Ratio Lower Upper
107 100
121 56.0 41.4 62.0
122 86.1 80.6 120.8





#27

Bis(2-Chloroethoxy)methane

Concen: 8.833 ng/ul

RT: 10.562 min Scan# 11

Delta R.T. 0.024 min

Lab File: BG059183.D

Acq: 25 Sep 2023 14:27

Instrument :

BNA_G

ClientSampleId :

BBHJ4DL

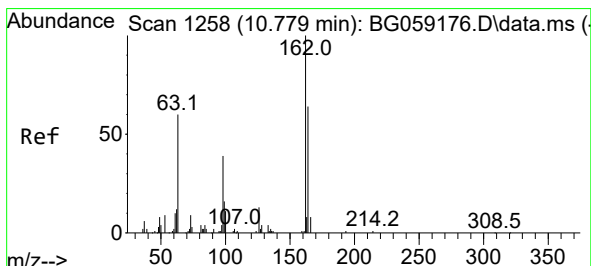
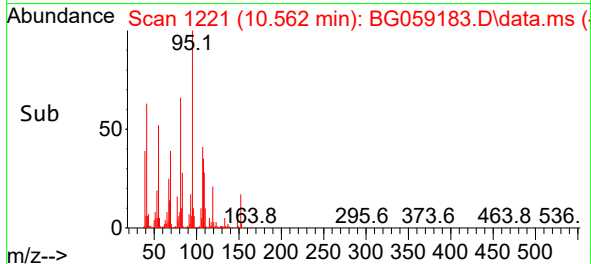
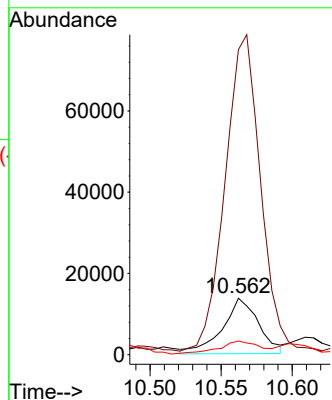
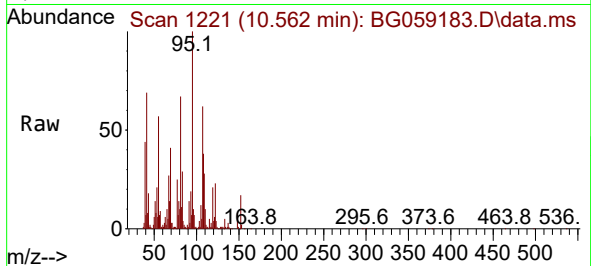
Tgt Ion: 93 Resp: 24217

Ion Ratio Lower Upper

93 100

95 540.1 26.1 39.1#

123 24.1 8.7 13.1#



#29

2,4-Dichlorophenol

Concen: 7.543 ng/ul

RT: 10.797 min Scan# 1261

Delta R.T. 0.018 min

Lab File: BG059183.D

Acq: 25 Sep 2023 14:27

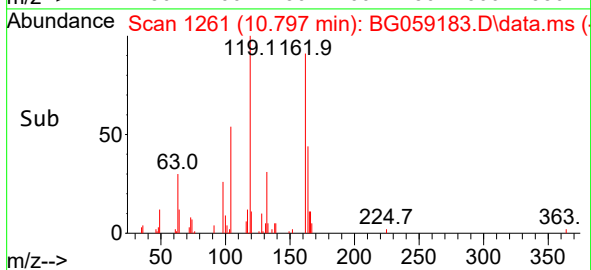
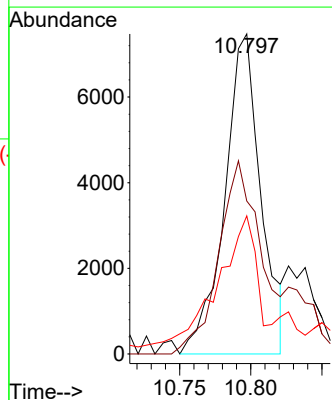
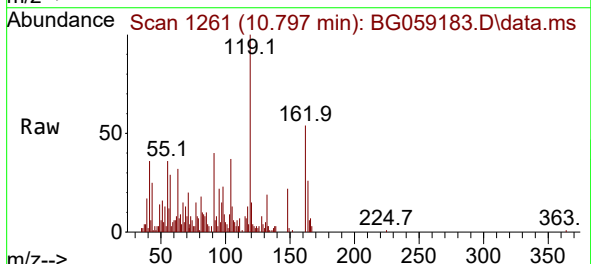
Tgt Ion:162 Resp: 13271

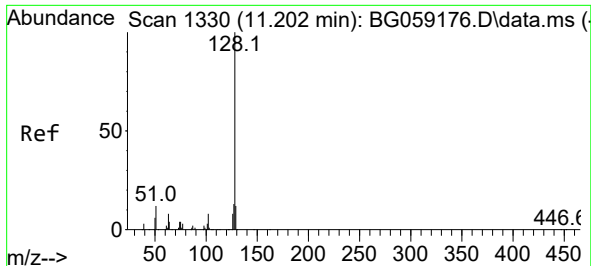
Ion Ratio Lower Upper

162 100

164 47.8 49.8 74.8#

98 43.2 25.9 38.9#

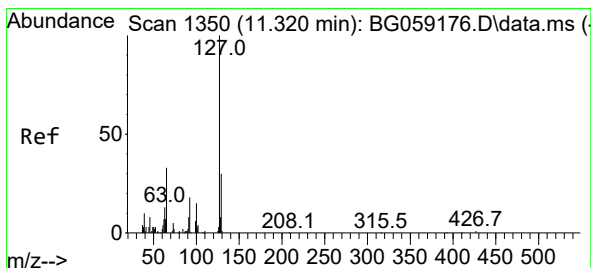
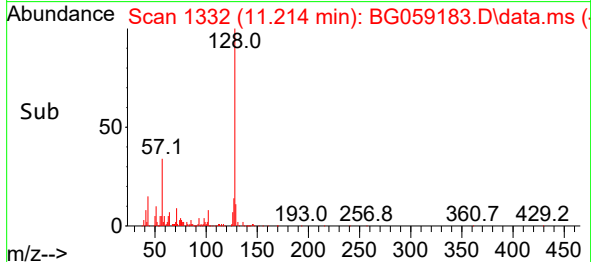
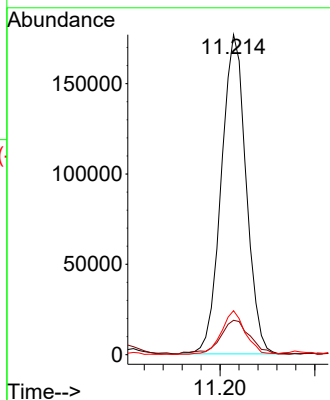
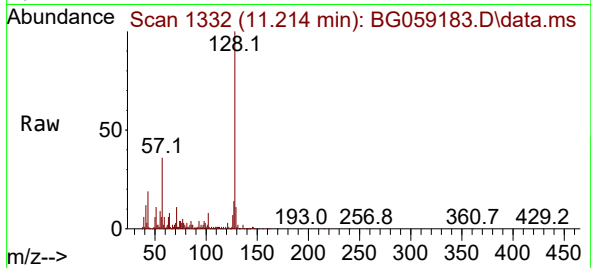




#30
Naphthalene
Concen: 50.952 ng/ul
RT: 11.214 min Scan# 11
Delta R.T. 0.012 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

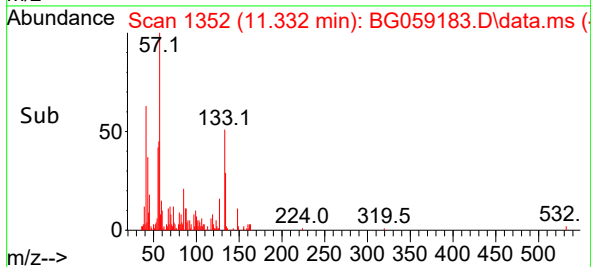
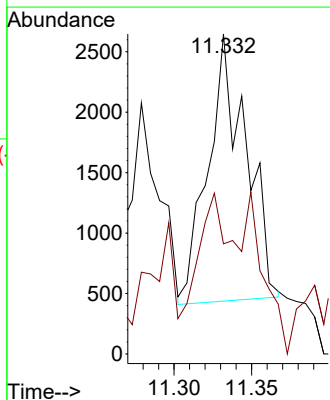
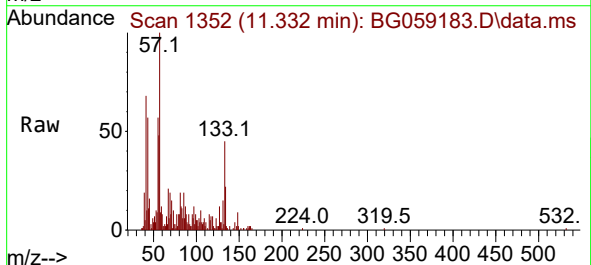
Instrument :
BNA_G
ClientSampleId :
BBHJ4DL

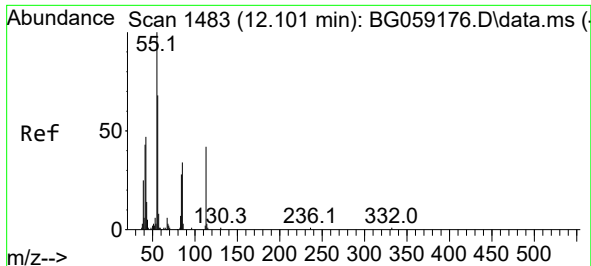
Tgt Ion:128 Resp: 320644
Ion Ratio Lower Upper
128 100
129 10.7 8.4 12.6
127 13.8 10.2 15.4



#32
4-Chloroaniline
Concen: 1.406 ng/ul
RT: 11.332 min Scan# 1352
Delta R.T. 0.012 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

Tgt Ion:127 Resp: 3759
Ion Ratio Lower Upper
127 100
129 34.4 27.2 40.8

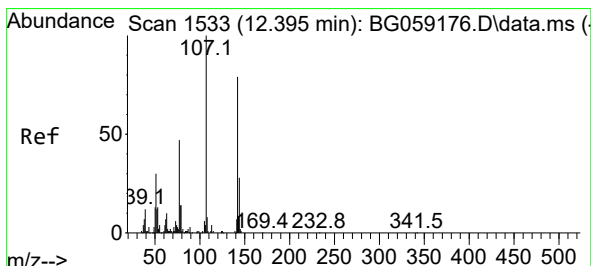
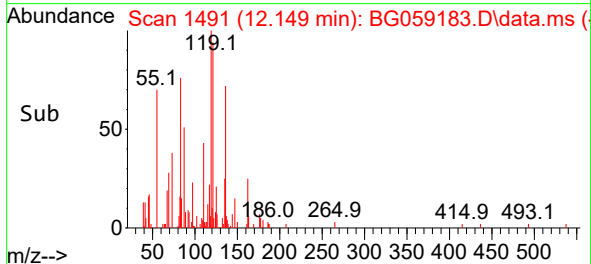
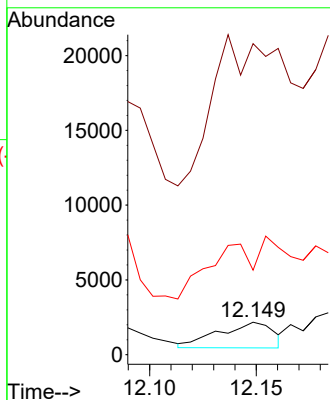
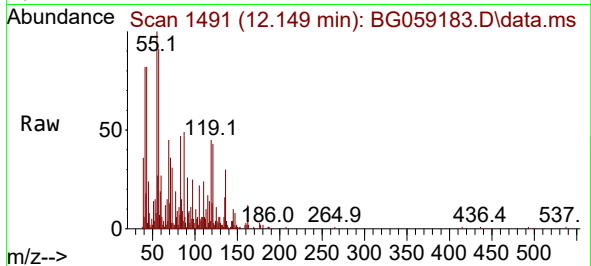




#34
Caprolactam
Concen: 4.707 ng/ul
RT: 12.149 min Scan# 1483
Delta R.T. 0.047 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

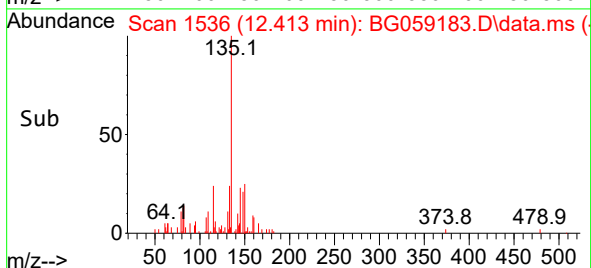
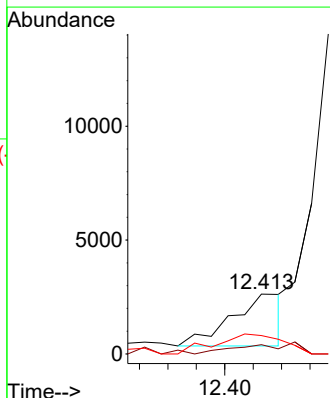
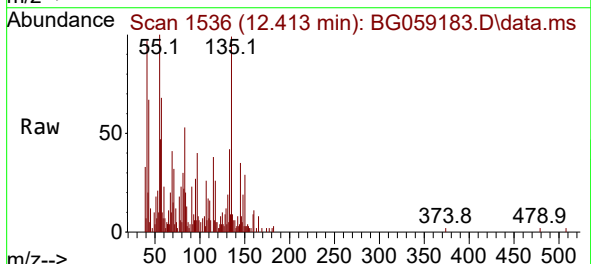
Instrument :
BNA_G
ClientSampleId :
BBHJ4DL

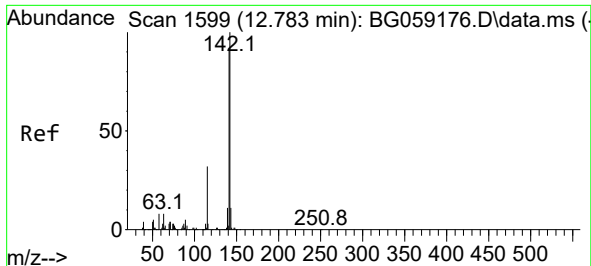
Tgt Ion:113 Resp: 3033
Ion Ratio Lower Upper
113 100
55 959.0 157.6 236.4#
56 260.4 112.3 168.5#



#35
4-Chloro-3-methylphenol
Concen: 1.557 ng/ul
RT: 12.413 min Scan# 1536
Delta R.T. 0.018 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

Tgt Ion:107 Resp: 2885
Ion Ratio Lower Upper
107 100
144 15.6 20.1 30.1#
142 30.9 62.7 94.1#

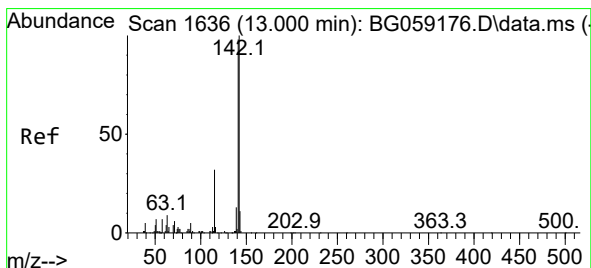
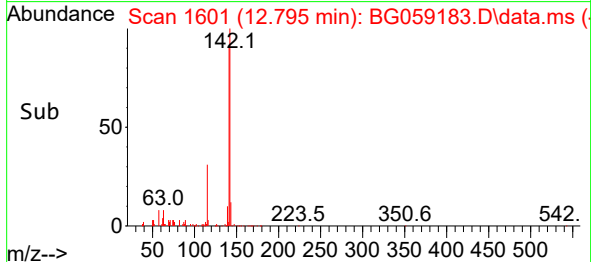
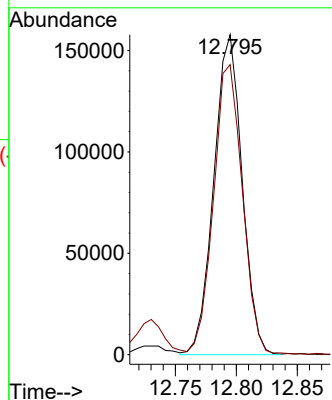
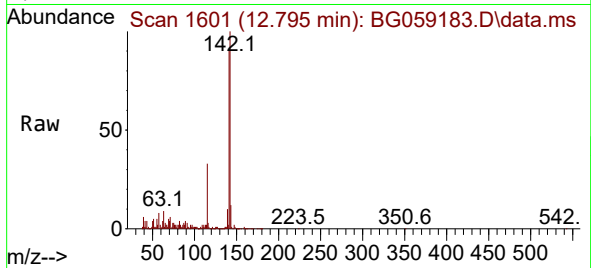




#36
2-Methylnaphthalene
Concen: 60.652 ng/ul
RT: 12.795 min Scan# 1
Delta R.T. 0.012 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

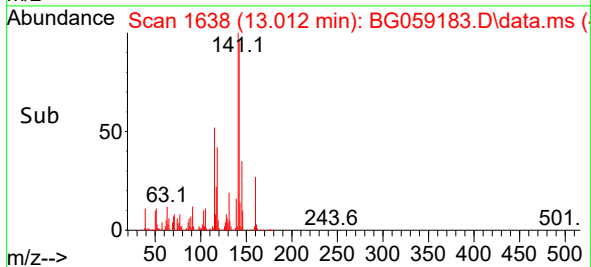
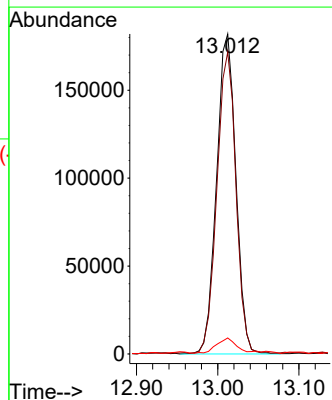
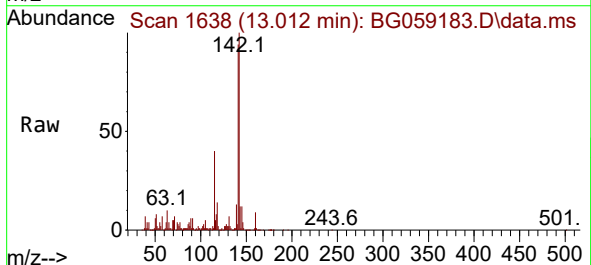
Instrument :
BNA_G
ClientSampleId :
BBHJ4DL

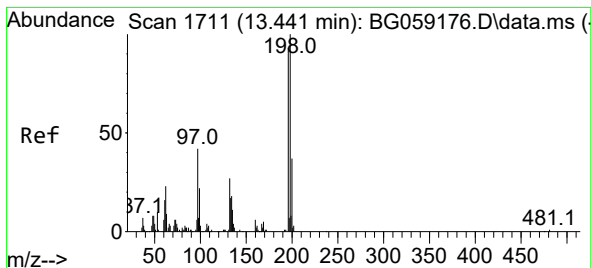
Tgt Ion:142 Resp: 254922
Ion Ratio Lower Upper
142 100
141 90.6 70.6 106.0



#37
1-Methylnaphthalene
Concen: 70.904 ng/ul
RT: 13.012 min Scan# 1638
Delta R.T. 0.012 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

Tgt Ion:142 Resp: 301041
Ion Ratio Lower Upper
142 100
141 94.3 72.0 108.0
116 5.0 2.7 4.1#





#42

2,4,5-Trichlorophenol

Concen: 5.896 ng/ul

RT: 13.453 min Scan# 1

Delta R.T. 0.012 min

Lab File: BG059183.D

Acq: 25 Sep 2023 14:27

Instrument :

BNA_G

ClientSampleId :

BBHJ4DL

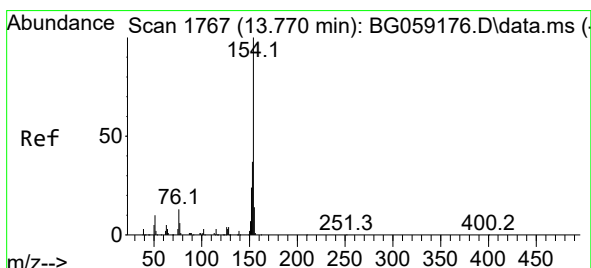
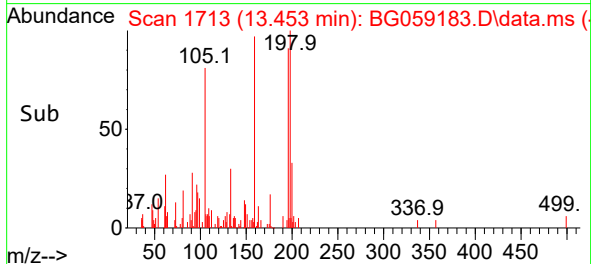
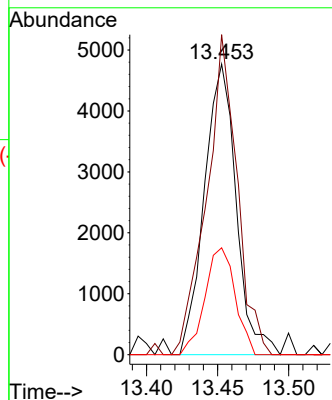
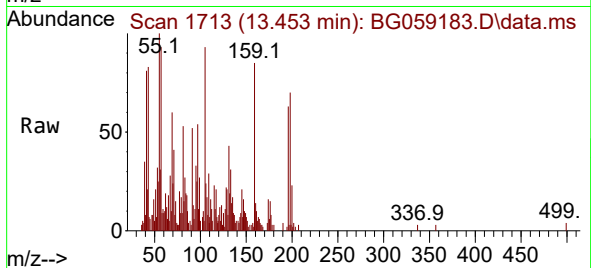
Tgt Ion:196 Resp: 7430

Ion Ratio Lower Upper

196 100

198 110.1 81.0 121.6

200 36.8 27.1 40.7



#43

1,1'-Biphenyl

Concen: 12.995 ng/ul

RT: 13.782 min Scan# 1769

Delta R.T. 0.012 min

Lab File: BG059183.D

Acq: 25 Sep 2023 14:27

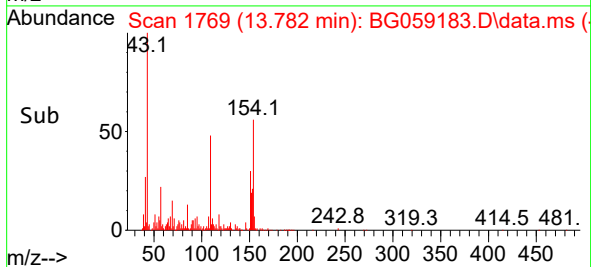
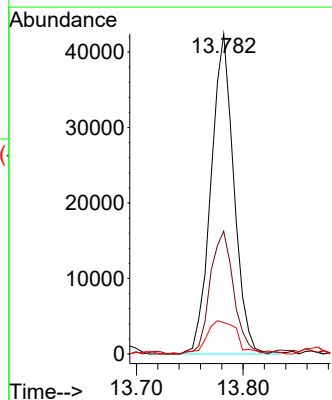
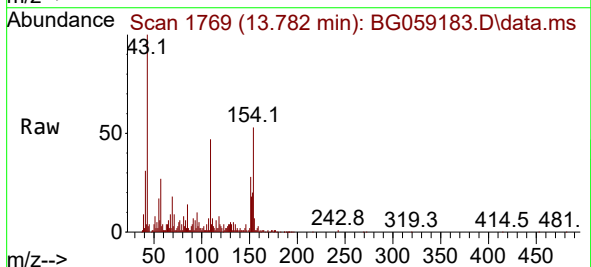
Tgt Ion:154 Resp: 63120

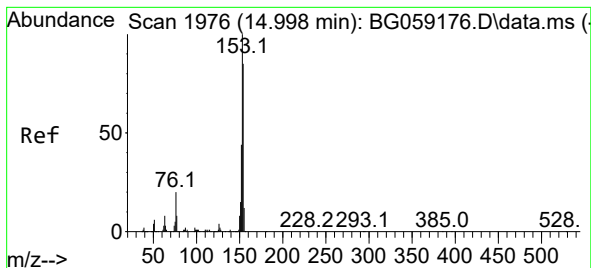
Ion Ratio Lower Upper

154 100

153 38.3 33.2 49.8

76 9.8 9.8 14.8#





#52

Acenaphthene

Concen: 4.688 ng/ul

RT: 15.010 min Scan# 1976

Delta R.T. 0.012 min

Lab File: BG059183.D

Acq: 25 Sep 2023 14:27

Instrument :

BNA_G

ClientSampleId :

BBHJ4DL

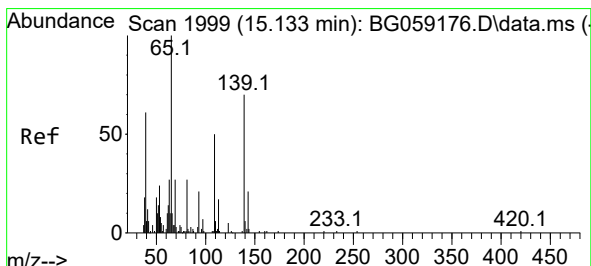
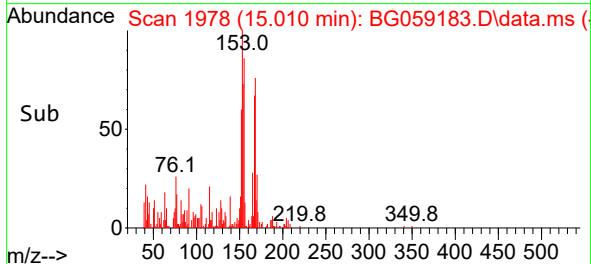
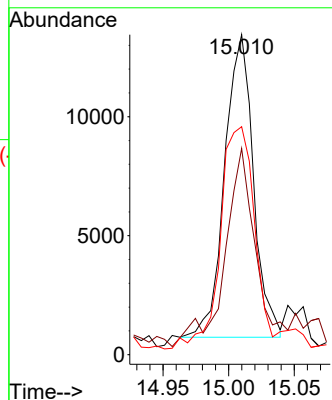
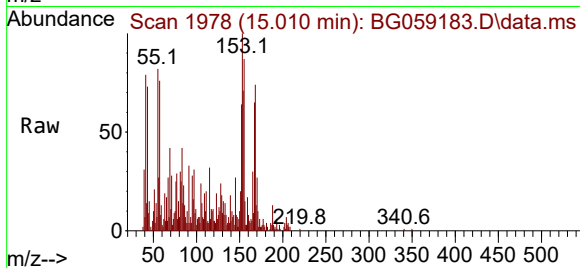
Tgt Ion:153 Resp: 19351

Ion Ratio Lower Upper

153 100

152 64.4 36.0 54.0#

154 71.2 71.3 106.9#



#55

4-Nitrophenol

Concen: 3.294 ng/ul

RT: 15.145 min Scan# 2001

Delta R.T. 0.012 min

Lab File: BG059183.D

Acq: 25 Sep 2023 14:27

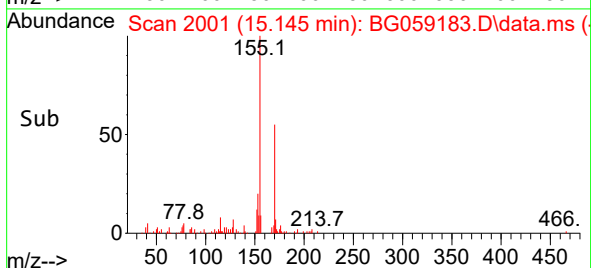
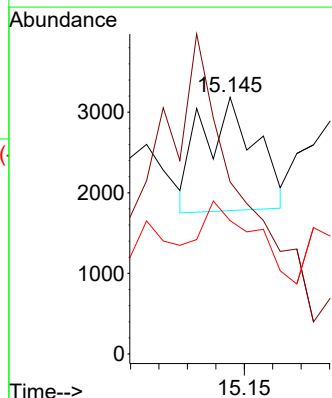
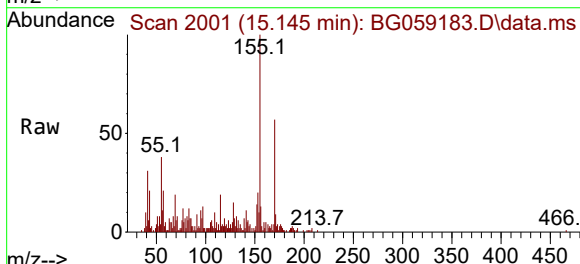
Tgt Ion:109 Resp: 1859

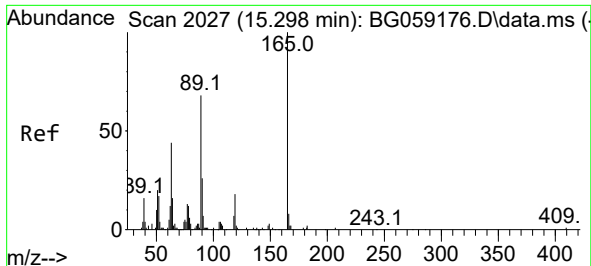
Ion Ratio Lower Upper

109 100

139 67.0 114.5 171.7#

65 51.9 132.1 198.1#

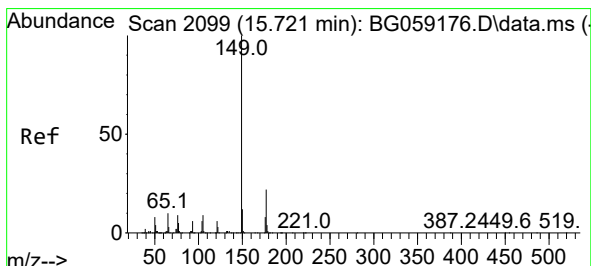
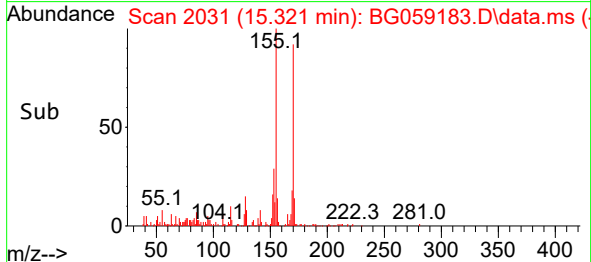
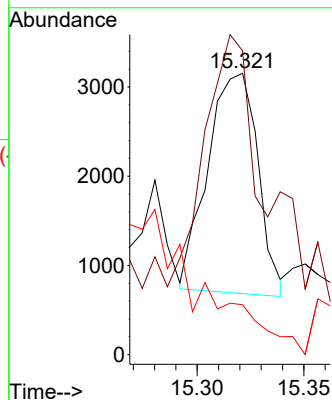
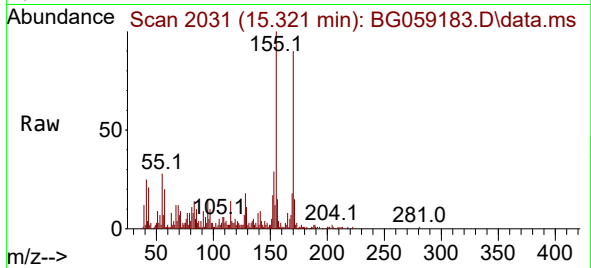




#57
2,4-Dinitrotoluene
Concen: 3.146 ng/ul
RT: 15.321 min Scan# 2100
Delta R.T. 0.024 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

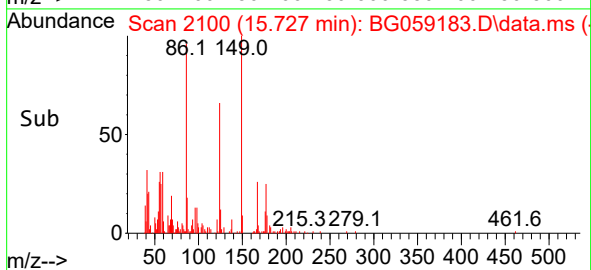
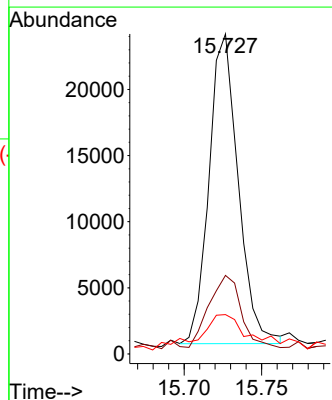
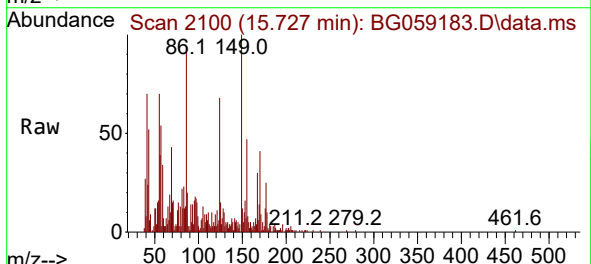
Instrument :
BNA_G
ClientSampleId :
BBHJ4DL

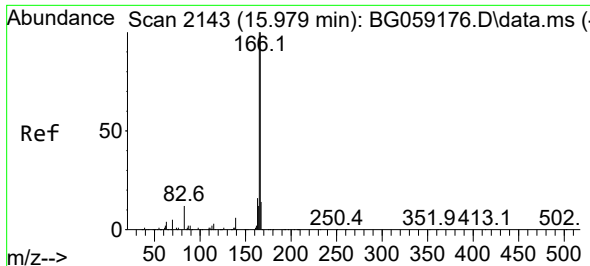
Tgt Ion:165 Resp: 4006
Ion Ratio Lower Upper
165 100
63 108.0 40.0 60.0#
182 17.7 2.1 3.1#



#59
Diethylphthalate
Concen: 6.501 ng/ul
RT: 15.727 min Scan# 2100
Delta R.T. 0.006 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

Tgt Ion:149 Resp: 30619
Ion Ratio Lower Upper
149 100
177 24.5 19.4 29.2
150 12.3 9.8 14.8

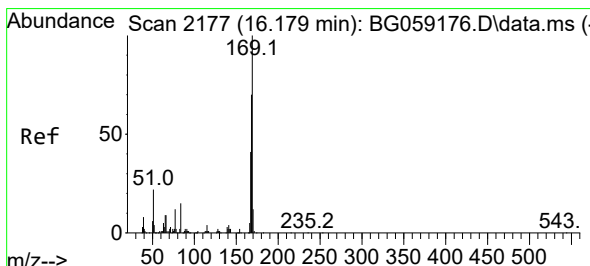
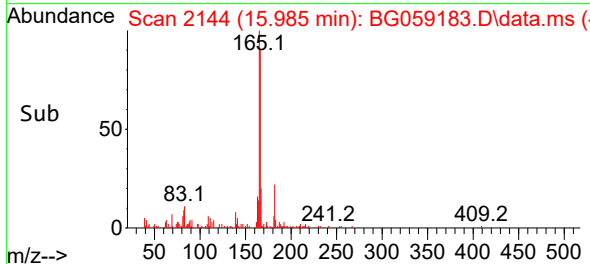
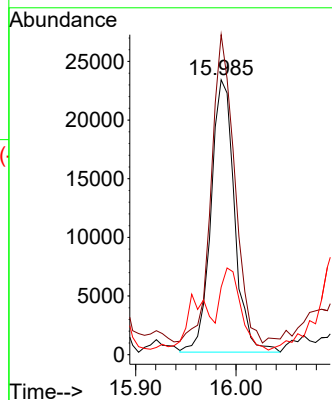
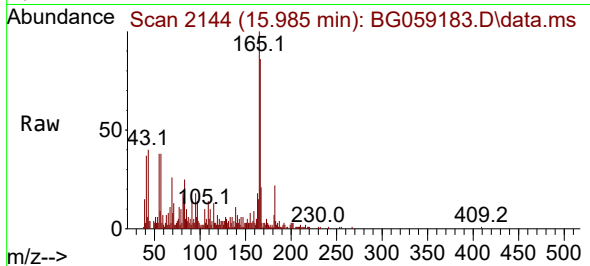




#61
Fluorene
Concen: 8.103 ng/ul
RT: 15.985 min Scan# 2144
Delta R.T. 0.006 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

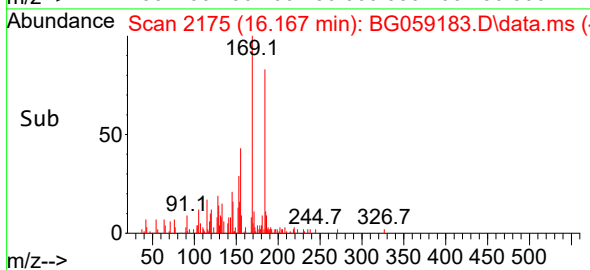
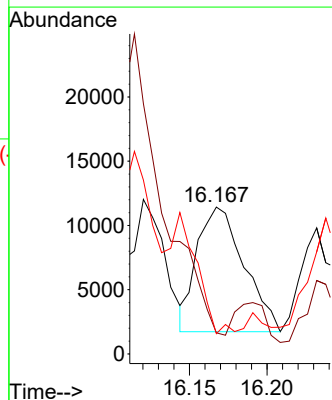
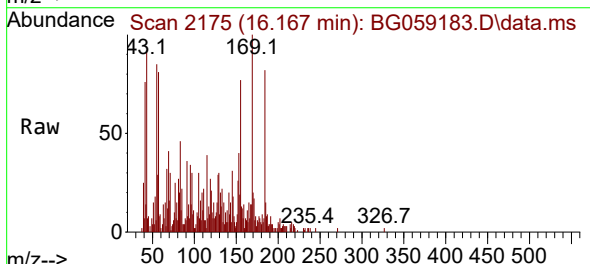
Instrument :
BNA_G
ClientSampleId :
BBHJ4DL

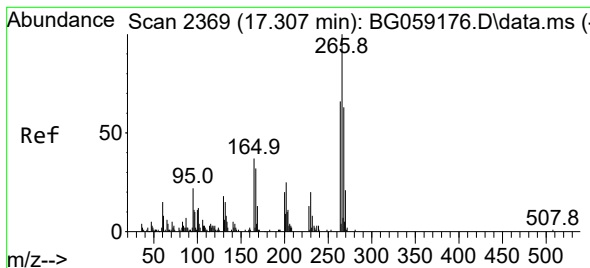
Tgt Ion:166 Resp: 37881
Ion Ratio Lower Upper
166 100
165 116.4 81.6 122.4
167 24.5 12.1 18.1#



#67
N-Nitrosodiphenylamine
Concen: 5.471 ng/ul
RT: 16.167 min Scan# 2175
Delta R.T. -0.012 min
Lab File: BG059183.D
Acq: 25 Sep 2023 14:27

Tgt Ion:169 Resp: 20351
Ion Ratio Lower Upper
169 100
168 14.4 52.1 78.1#
167 13.9 30.5 45.7#





#71

Pentachlorophenol

Concen: 8.069 ng/ul

RT: 17.319 min Scan# 21

Delta R.T. 0.012 min

Lab File: BG059183.D

Acq: 25 Sep 2023 14:27

Instrument :

BNA_G

ClientSampleId :

BBHJ4DL

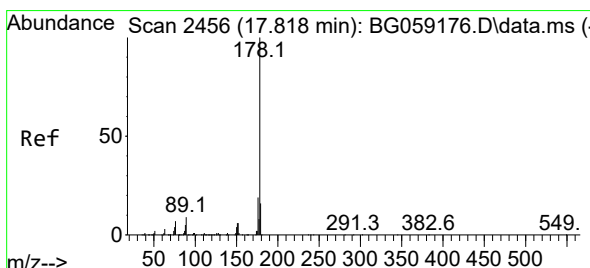
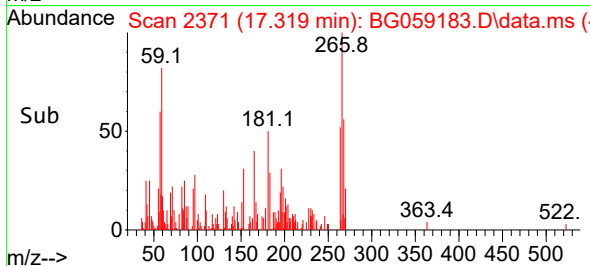
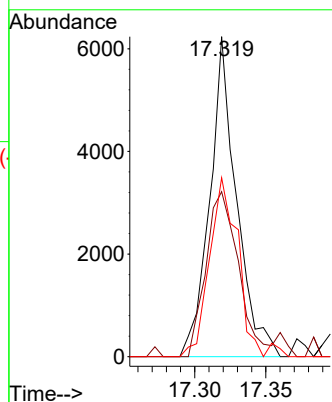
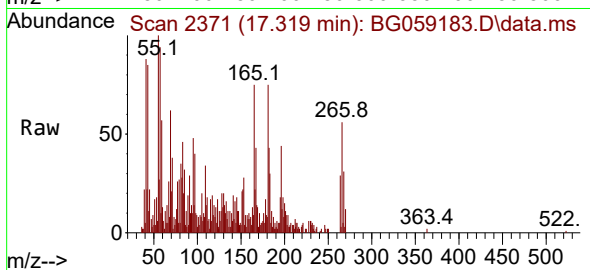
Tgt Ion:266 Resp: 8161

Ion Ratio Lower Upper

266 100

264 56.3 50.6 76.0

268 55.9 56.4 84.6#



#72

Phenanthrene

Concen: 12.911 ng/ul

RT: 17.736 min Scan# 2442

Delta R.T. 0.006 min

Lab File: BG059183.D

Acq: 25 Sep 2023 14:27

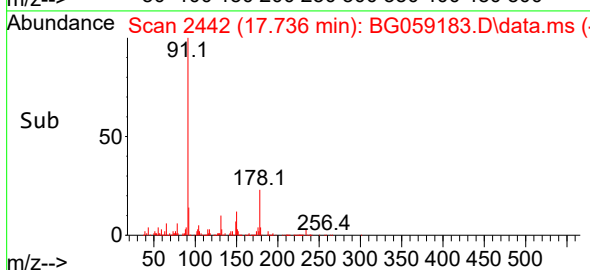
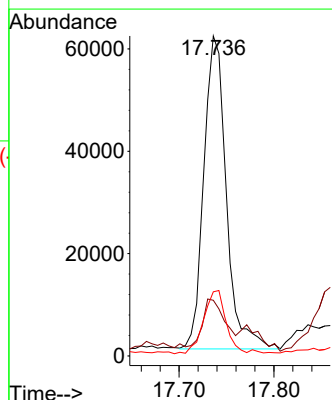
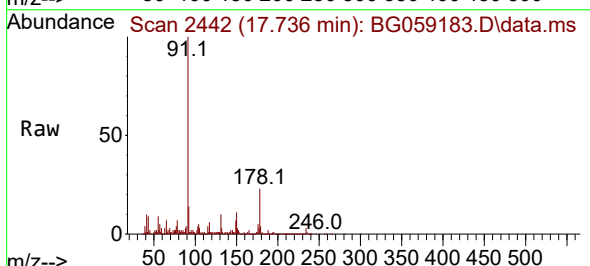
Tgt Ion:178 Resp: 100955

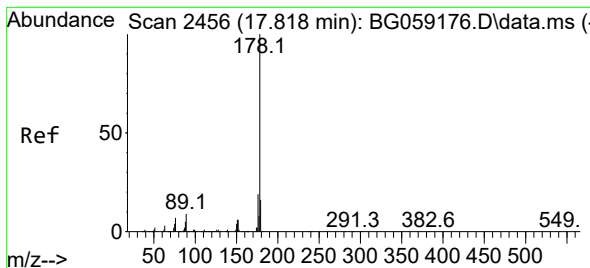
Ion Ratio Lower Upper

178 100

179 17.4 11.8 17.8

176 20.1 14.6 21.8





#74

Anthracene

Concen: 12.636 ng/ul

RT: 17.736 min Scan# 24

Delta R.T. -0.082 min

Lab File: BG059183.D

Acq: 25 Sep 2023 14:27

Instrument :

BNA_G

ClientSampleId :

BBHJ4DL

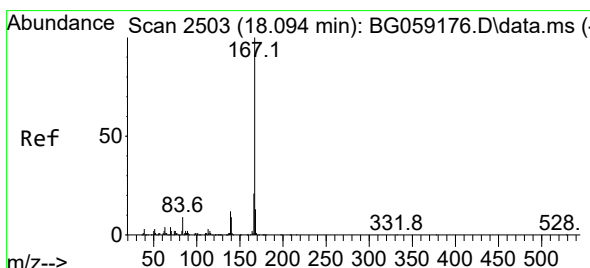
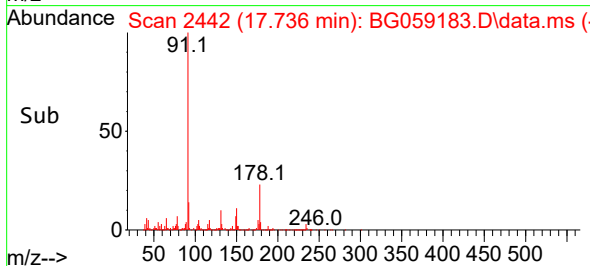
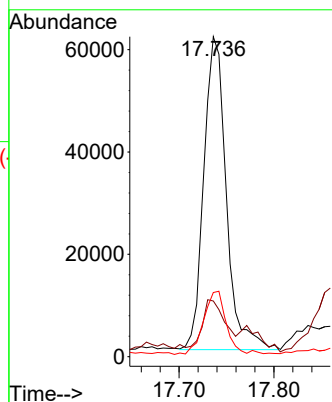
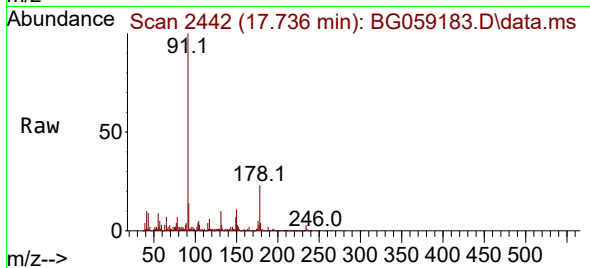
Tgt Ion:178 Resp: 100955

Ion Ratio Lower Upper

178 100

179 17.4 12.4 18.6

176 20.1 14.8 22.2



#77

Carbazole

Concen: 5.116 ng/ul

RT: 18.112 min Scan# 2506

Delta R.T. 0.018 min

Lab File: BG059183.D

Acq: 25 Sep 2023 14:27

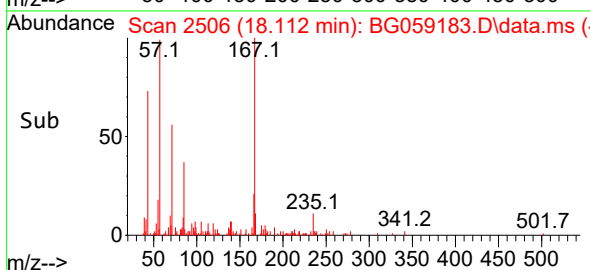
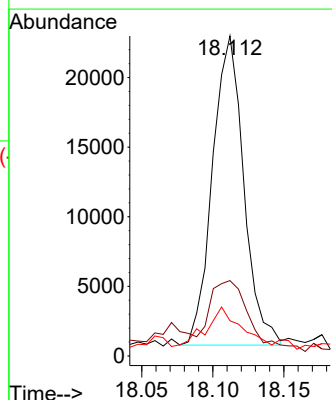
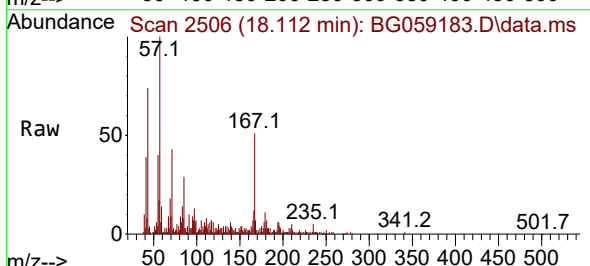
Tgt Ion:167 Resp: 33983

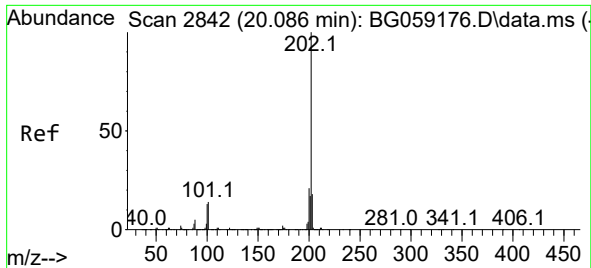
Ion Ratio Lower Upper

167 100

166 23.6 16.7 25.1

139 11.0 9.4 14.0





#82
 Pyrene
 Concen: 1.701 ng/ul
 RT: 20.092 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BG059183.D
 Acq: 25 Sep 2023 14:27

Instrument :
 BNA_G
 ClientSampleId :
 BBHJ4DL

Tgt Ion:202 Resp: 14743
 Ion Ratio Lower Upper
 202 100
 101 106.5 11.0 16.4#
 100 93.2 10.1 15.1#

