

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071023\
 Data File : BG058140.D
 Acq On : 10 Jul 2023 13:36
 Operator : CG/JU
 Sample : 03385-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EX7X7

Quant Time: Jul 11 00:45:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070123.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jul 10 16:52:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.976	152	106025	20.000	ng/ul	0.00
20) Naphthalene-d8	10.813	136	404520	20.000	ng/ul	0.04
38) Acenaphthene-d10	14.615	164	283168	20.000	ng/ul	0.01
64) Phenanthrene-d10	17.382	188	416843	20.000	ng/ul	0.04
79) Chrysene-d12	21.677	240	313974	20.000	ng/ul	0.08
88) Perylene-d12	24.862	264	13831	20.000	ng/ul	# 0.08
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.410	96	1504	0.497	ng/uL	0.01
4) Pyridine-d5	3.816	84	24834	2.702	ng/ul	0.00
7) Phenol-d5	7.135	99	68416	6.319	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.300	67	40700	6.237	ng/ul	0.00
11) 2-Chlorophenol-d4	7.506	132	47459	6.355	ng/ul	0.00
15) 4-Methylphenol-d8	8.675	113	52383	6.412	ng/ul	0.00
21) Nitrobenzene-d5	9.139	128	26708	8.101	ng/ul	0.00
24) 2-Nitrophenol-d4	9.868	143	29335	8.466	ng/ul	0.01
28) 2,4-Dichlorophenol-d3	10.426	165	54240	8.160	ng/ul	0.03
31) 4-Chloroaniline-d4	10.966	131	21969	2.180	ng/ul	0.05
46) Dimethylphthalate-d6	14.027	166	164975	7.384	ng/ul	0.02
49) Acenaphthylene-d8	14.303	160	185823	7.622	ng/ul	0.00
54) 4-Nitrophenol-d4	14.785	143	38	0.010	ng/ul	-0.01
60) Fluorene-d10	15.608	176	143352	7.555	ng/ul	0.02
65) 4,6-Dinitro-2-methylph...	15.743	200	68	0.030	ng/ul	0.04
73) Anthracene-d10	17.529	188	165106	8.536	ng/ul	0.09
81) Pyrene-d10	19.762	212	190029	9.610	ng/ul	0.04
92) Benzo(a)pyrene-d12	24.586	264	365	0.518	ng/ul	0.02
Target Compounds						
					Qvalue	
6) Benzaldehyde	7.112	77	5206	1.440	ng/ul#	1
13) 2-Methylphenol	8.416	108	10431	1.209	ng/ul	92
16) Acetophenone	8.804	105	15535	1.146	ng/ul	96
18) 4-Methylphenol	8.745	108	15593	1.671	ng/ul	88
19) Hexachloroethane	9.080	117	3815	1.281	ng/ul#	1
26) 2,4-Dimethylphenol	9.956	107	63939	7.647	ng/ul	96
30) Naphthalene	10.913	128	16407762	721.754	ng/ul#	74
32) 4-Chloroaniline	10.919	127	3482466	337.936	ng/ul#	16
36) 2-Methylnaphthalene	12.488	142	7495115	489.096	ng/ul	94
37) 1-Methylnaphthalene	12.694	142	4333999	282.028	ng/ul#	99
43) 1,1'-Biphenyl	13.457	154	3439626	168.557	ng/ul#	91
45) 2-Nitroaniline	13.645	65	21667	3.805	ng/ul#	33
50) Acenaphthylene	14.333	152	109036	4.141	ng/ul#	47
52) Acenaphthene	14.732	153	8285144	458.597	ng/ul#	91
56) Dibenzofuran	15.056	168	9024647	351.406	ng/ul#	70
57) 2,4-Dinitrotoluene	14.979	165	22356	3.425	ng/ul#	55
61) Fluorene	15.714	166	8730845	414.339	ng/ul#	98
63) 4-Nitroaniline	15.714	138	123131	35.301	ng/ul#	21
67) N-Nitrosodiphenylamine	15.872	169	54437	4.907	ng/ul#	1
72) Phenanthrene	17.494	178	17696580	834.606	ng/ul#	72
74) Anthracene	17.494	178	17696580	824.746	ng/ul#	71
77) Carbazole	17.805	167	5998782	309.125	ng/ul#	85
80) Fluoranthene	19.480	202	14494427	632.577	ng/ul#	92
82) Pyrene	19.856	202	14555414	631.071	ng/ul#	89

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

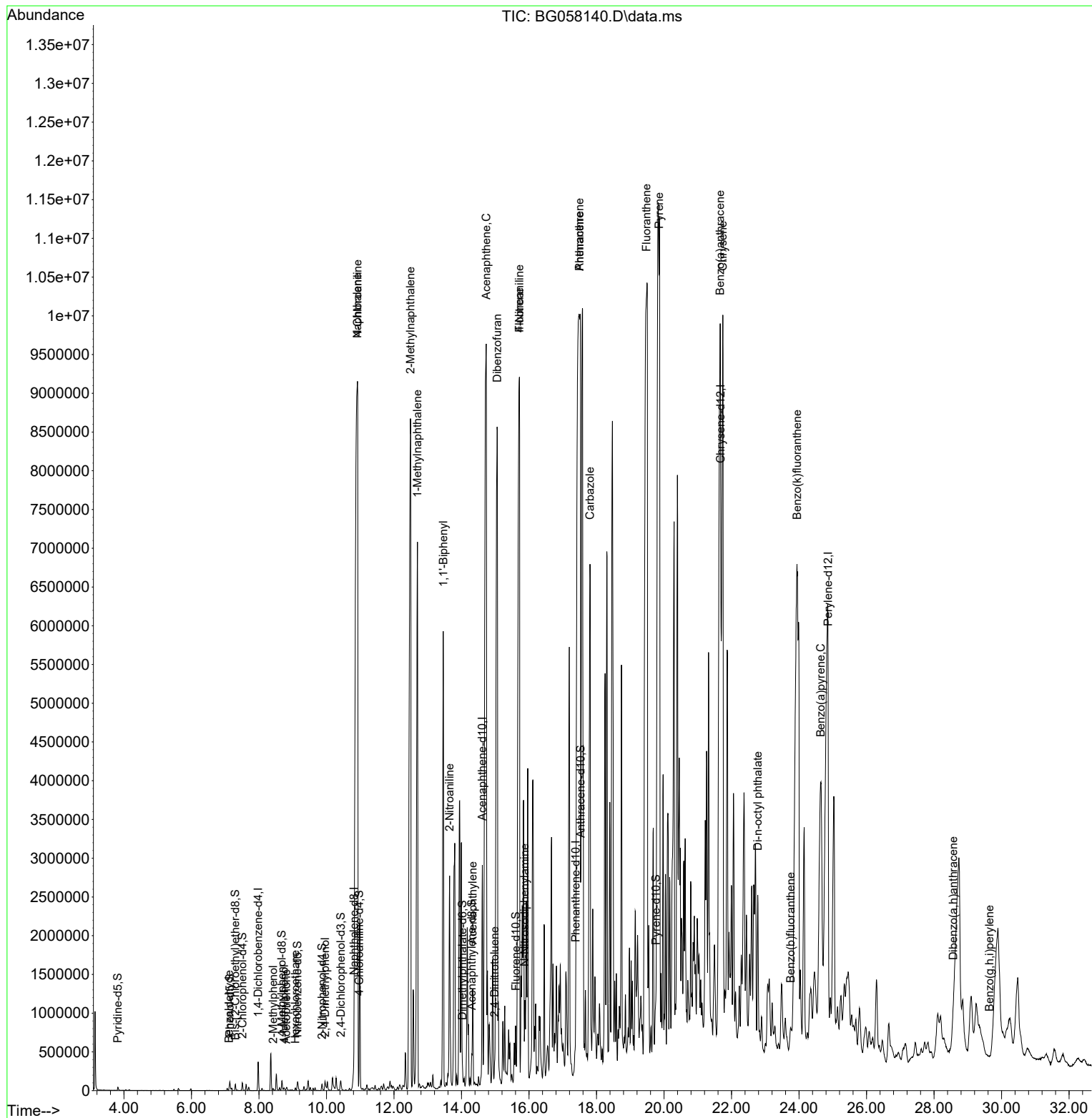
85) Benzo(a)anthracene	21.660	228	10884397	482.812	ng/ul#	73
87) Chrysene	21.742	228	8237180	389.774	ng/ul#	70
89) Di-n-octyl phthalate	22.776	149	3500	4.119	ng/ul	100
90) Benzo(b)fluoranthene	23.751	252	48387	56.502	ng/ul#	1
91) Benzo(k)fluoranthene	23.939	252	14232395	16955.412	ng/ul#	85
93) Benzo(a)pyrene	24.638	252	7039837	9287.563	ng/ul#	92
95) Dibenzo(a,h)anthracene	28.569	278	185273	223.221	ng/ul#	80
96) Benzo(g,h,i)perylene	29.638	276	879	1.069	ng/ul#	27

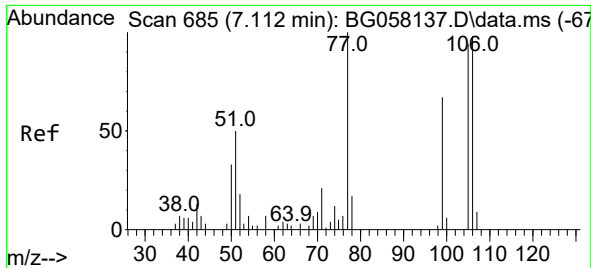
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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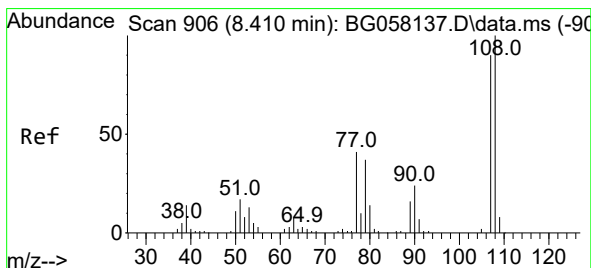
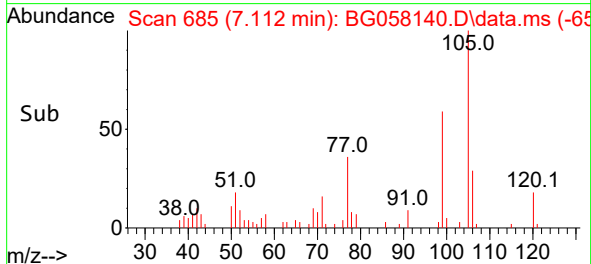
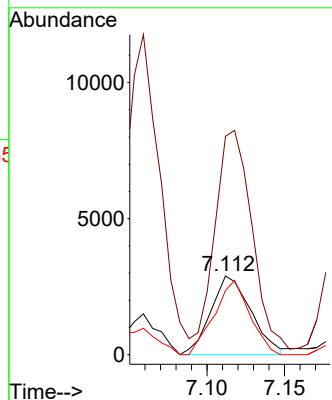
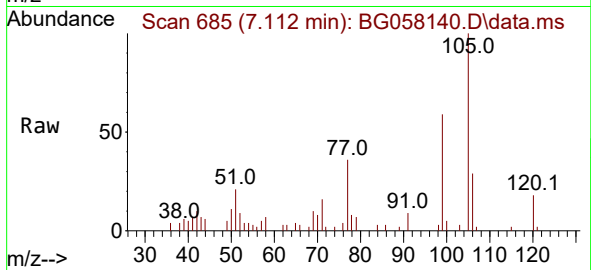




#6
Benzaldehyde
Concen: 1.440 ng/ul
RT: 7.112 min Scan# 685
Delta R.T. 0.000 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

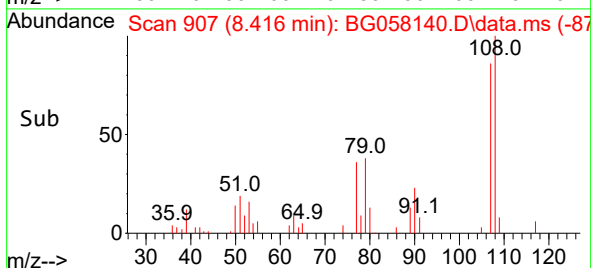
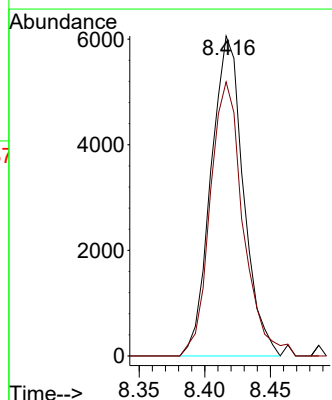
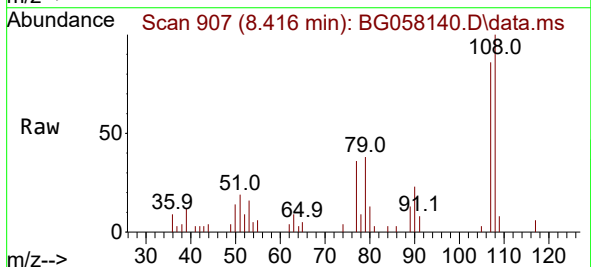
Instrument :
BNA_P
ClientSampleId :
EX7X7

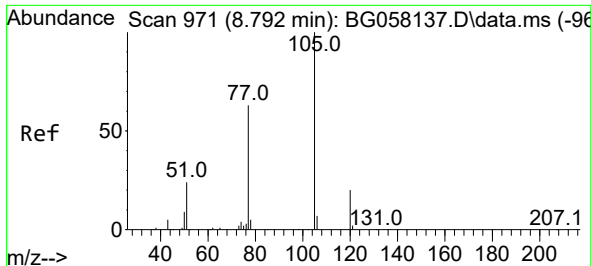
Tgt Ion: 77 Resp: 5206
Ion Ratio Lower Upper
77 100
105 277.2 74.7 112.1#
106 81.3 75.9 113.9



#13
2-Methylphenol
Concen: 1.209 ng/ul
RT: 8.416 min Scan# 907
Delta R.T. 0.006 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

Tgt Ion: 108 Resp: 10431
Ion Ratio Lower Upper
108 100
107 85.6 75.0 112.4

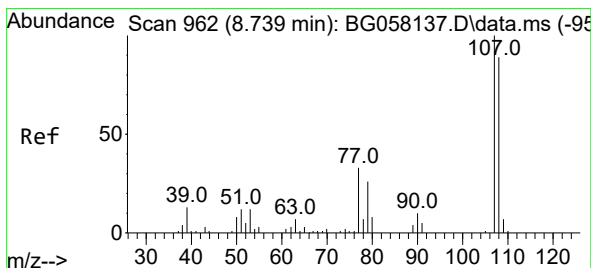
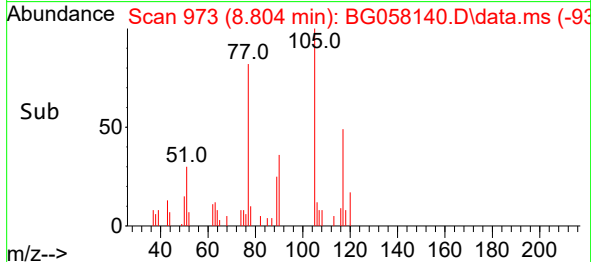
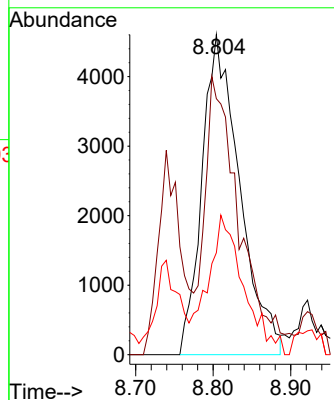
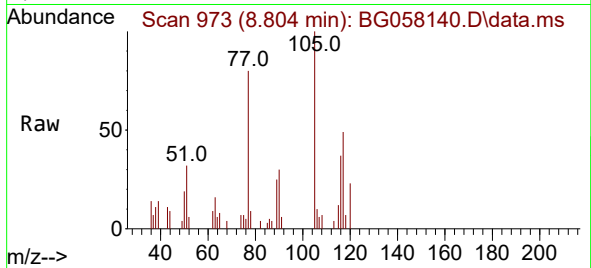




#16
Acetophenone
Concen: 1.146 ng/ul
RT: 8.804 min Scan# 91
Delta R.T. 0.012 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

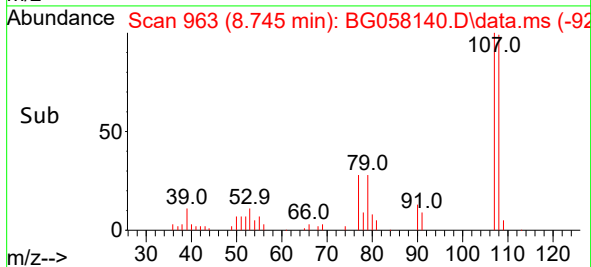
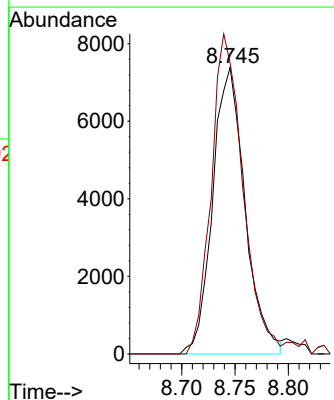
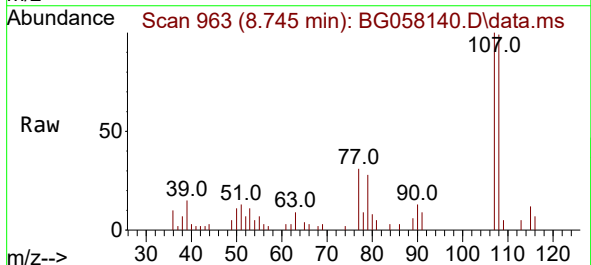
Instrument :
BNA_P
ClientSampleId :
EX7X7

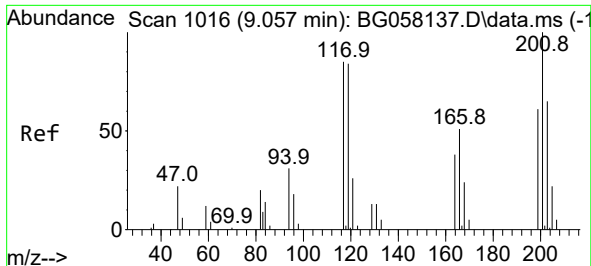
Tgt Ion:105 Resp: 15535
Ion Ratio Lower Upper
105 100
77 80.0 61.2 91.8
51 31.8 23.5 35.3



#18
4-Methylphenol
Concen: 1.671 ng/ul
RT: 8.745 min Scan# 963
Delta R.T. 0.006 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

Tgt Ion:108 Resp: 15593
Ion Ratio Lower Upper
108 100
107 101.5 91.1 136.7





#19

Hexachloroethane

Concen: 1.281 ng/ul

RT: 9.080 min Scan# 110

Delta R.T. 0.024 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

Instrument :

BNA_P

ClientSampleId :

EX7X7

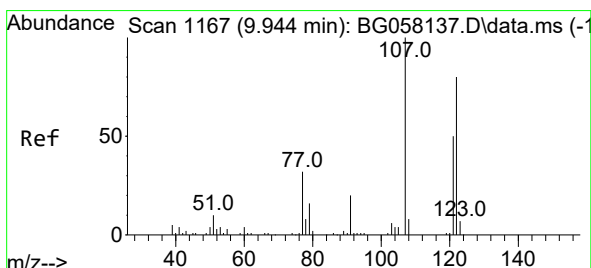
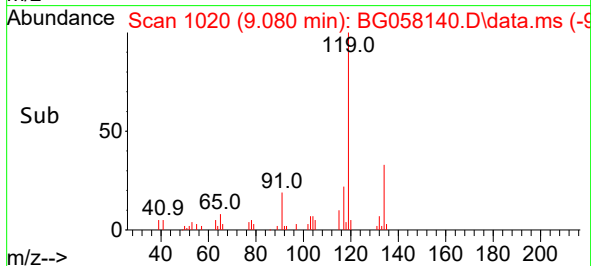
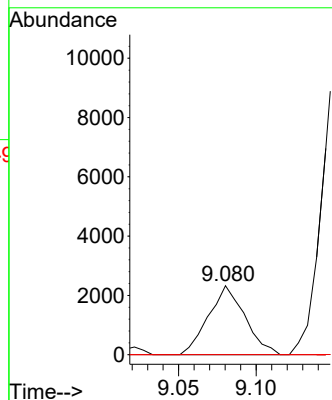
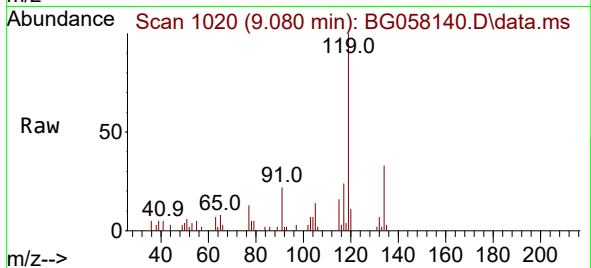
Tgt Ion:117 Resp: 3815

Ion Ratio Lower Upper

117 100

201 0.0 94.0 141.0#

199 0.0 59.8 89.6#



#26

2,4-Dimethylphenol

Concen: 7.647 ng/ul

RT: 9.956 min Scan# 1169

Delta R.T. 0.012 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

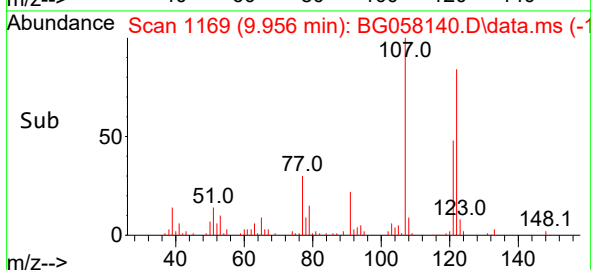
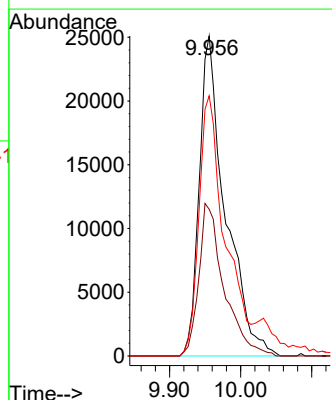
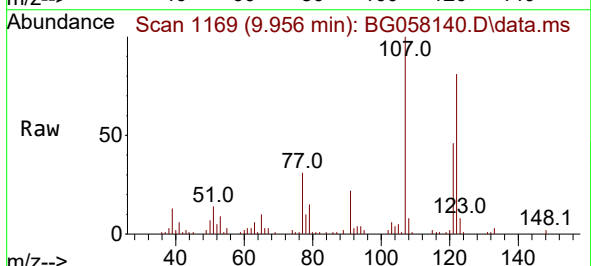
Tgt Ion:107 Resp: 63939

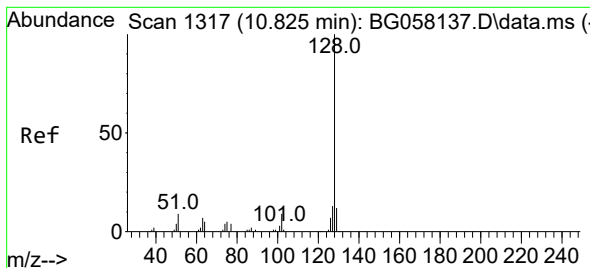
Ion Ratio Lower Upper

107 100

121 45.9 40.6 60.8

122 81.3 67.1 100.7





#30

Naphthalene

Concen: 721.754 ng/ul

RT: 10.913 min Scan# 1

Delta R.T. 0.088 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

Instrument :

BNA_P

ClientSampleId :

EX7X7

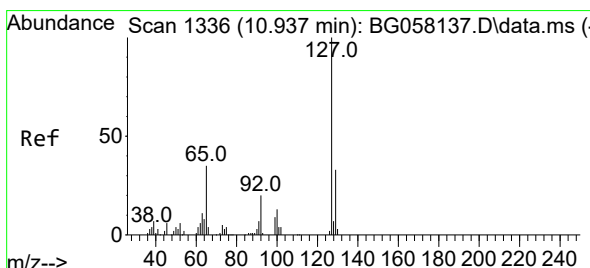
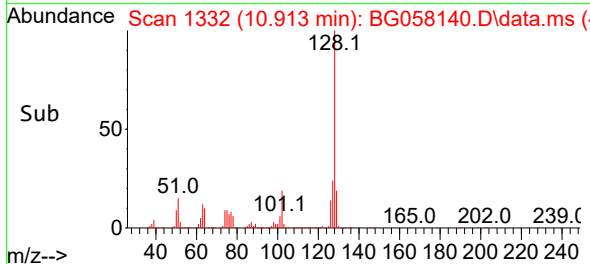
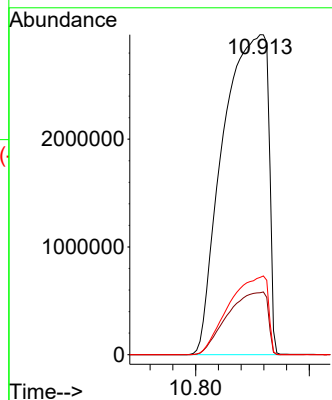
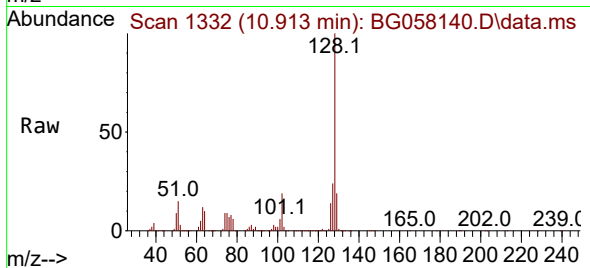
Tgt Ion:128 Resp:16407762

Ion Ratio Lower Upper

128 100

129 19.4 8.6 12.8#

127 24.1 10.2 15.2#



#32

4-Chloroaniline

Concen: 337.936 ng/ul

RT: 10.919 min Scan# 1333

Delta R.T. -0.018 min

Lab File: BG058140.D

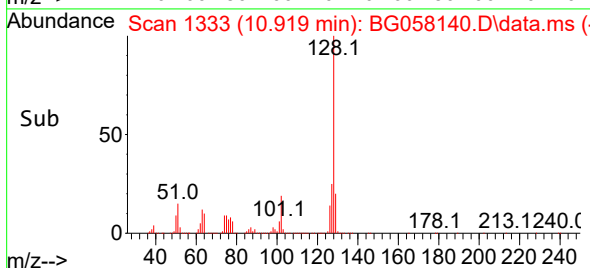
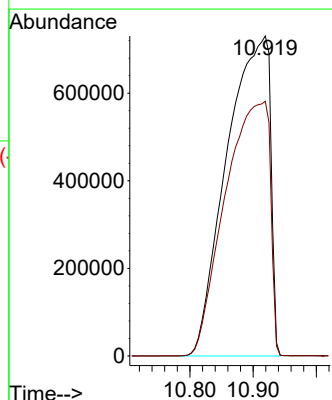
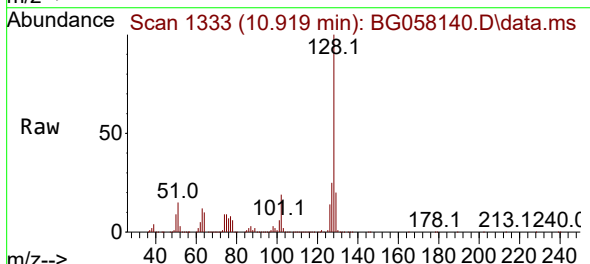
Acq: 10 Jul 2023 13:36

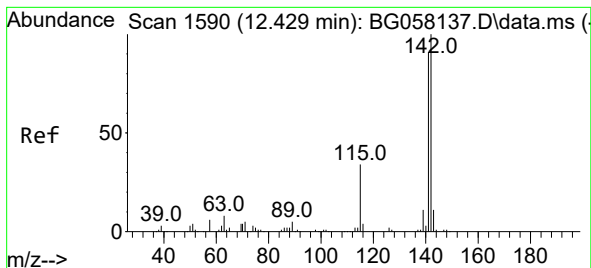
Tgt Ion:127 Resp: 3482466

Ion Ratio Lower Upper

127 100

129 79.6 26.0 39.0#





#36

2-Methylnaphthalene

Concen: 489.096 ng/ul

RT: 12.488 min Scan# 1

Delta R.T. 0.059 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

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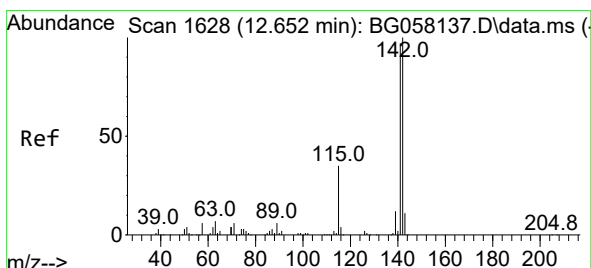
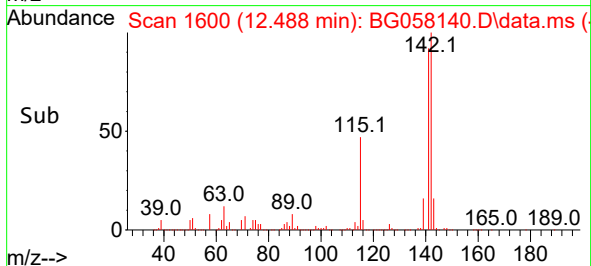
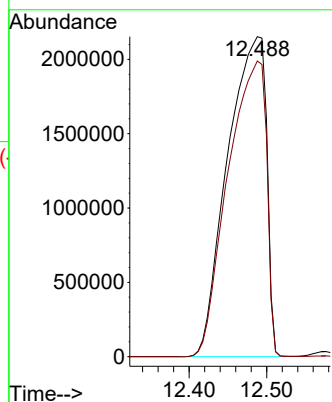
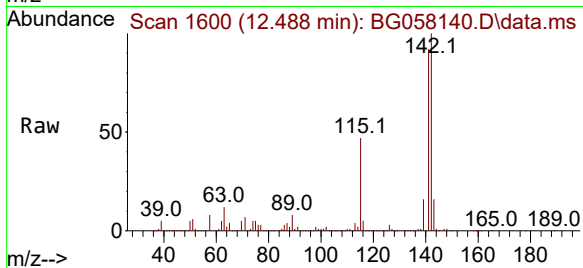
EX7X7

Tgt Ion:142 Resp: 7495115

Ion Ratio Lower Upper

142 100

141 92.4 69.4 104.2



#37

1-Methylnaphthalene

Concen: 282.028 ng/ul

RT: 12.694 min Scan# 1635

Delta R.T. 0.041 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

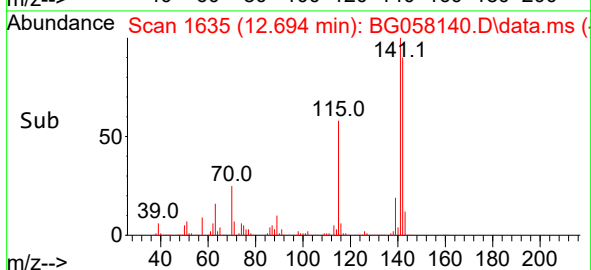
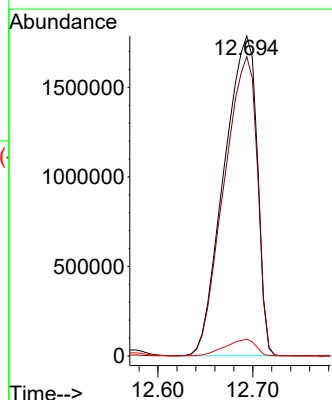
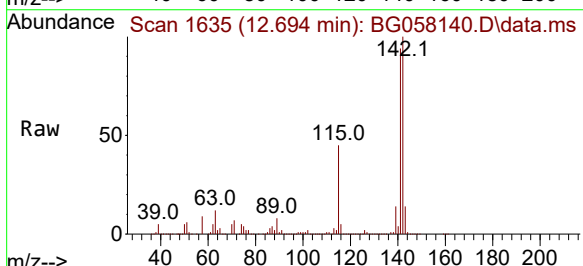
Tgt Ion:142 Resp: 4333999

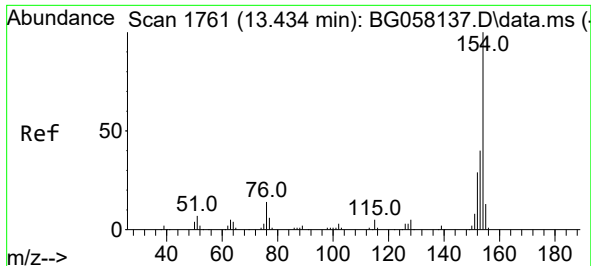
Ion Ratio Lower Upper

142 100

141 93.6 73.8 110.8

116 5.2 3.0 4.4#





#43

1,1'-Biphenyl

Concen: 168.557 ng/ul

RT: 13.457 min Scan# 1

Delta R.T. 0.024 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

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EX7X7

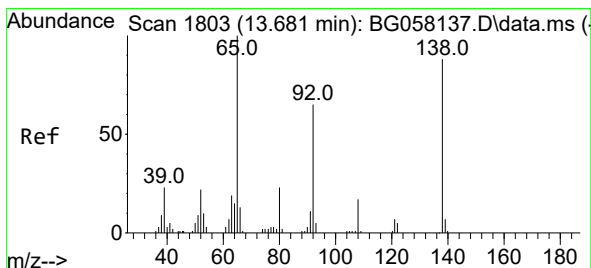
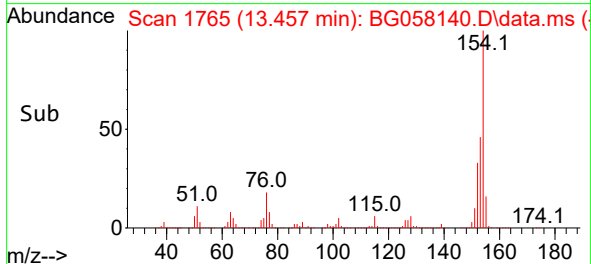
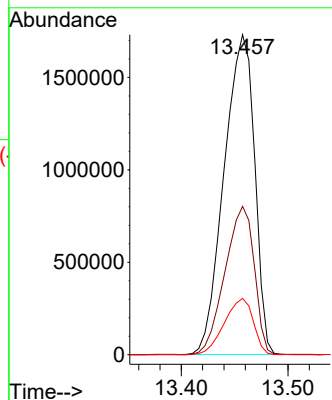
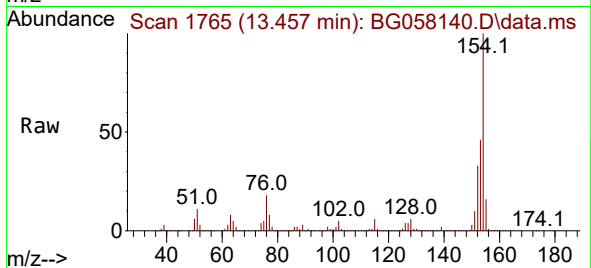
Tgt Ion:154 Resp: 3439626

Ion Ratio Lower Upper

154 100

153 46.4 32.6 49.0

76 17.6 11.6 17.4#



#45

2-Nitroaniline

Concen: 3.805 ng/ul

RT: 13.645 min Scan# 1797

Delta R.T. -0.035 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

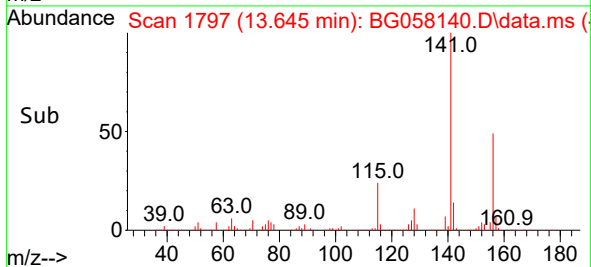
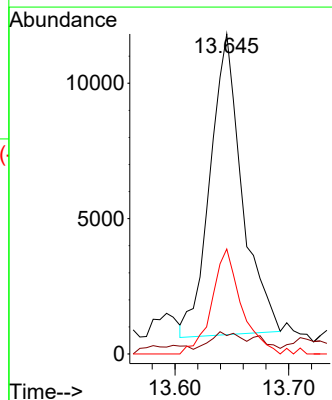
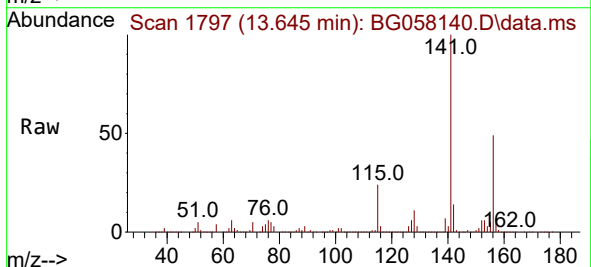
Tgt Ion: 65 Resp: 21667

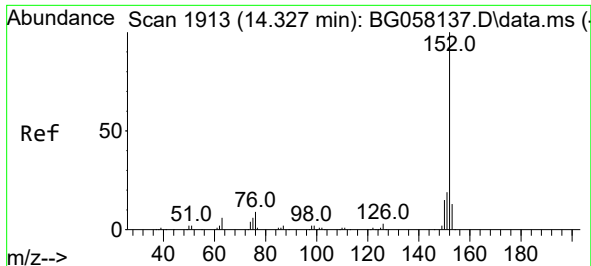
Ion Ratio Lower Upper

65 100

92 5.8 53.2 79.8#

138 32.8 71.1 106.7#

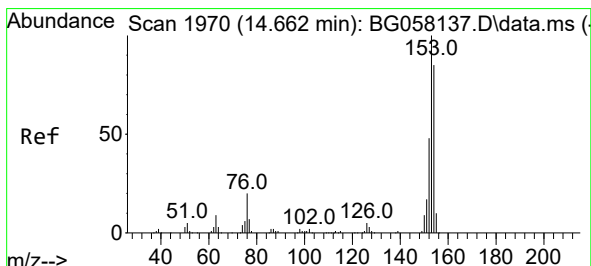
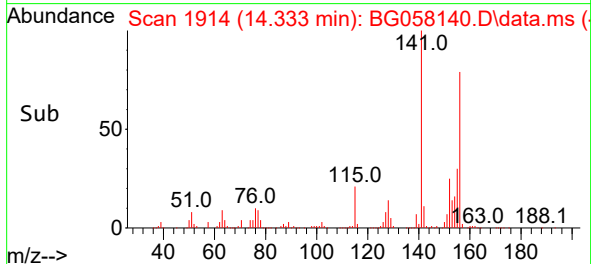
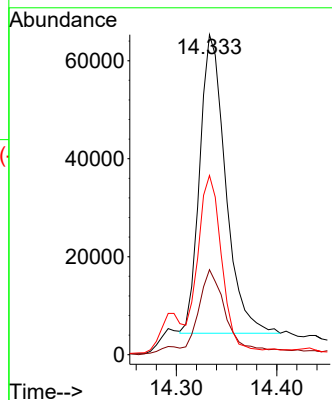
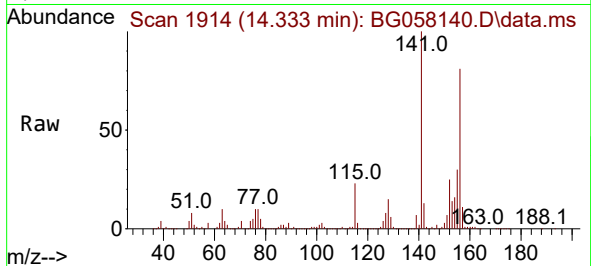




#50
Acenaphthylene
Concen: 4.141 ng/ul
RT: 14.333 min Scan# 1914
Delta R.T. 0.006 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

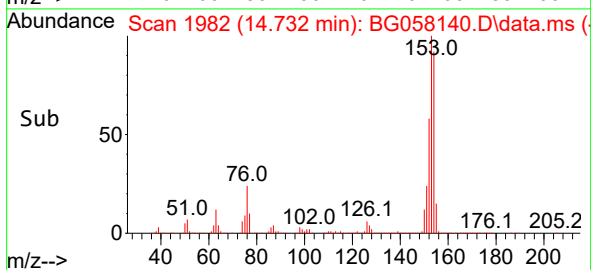
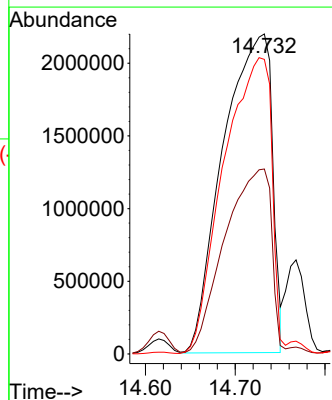
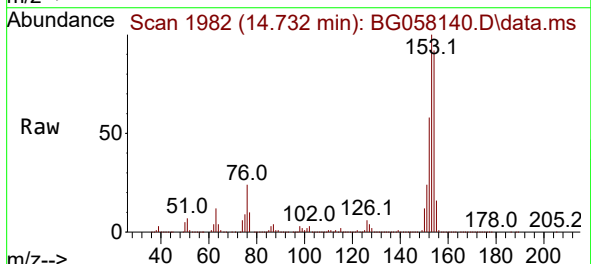
Instrument :
BNA_P
ClientSampleId :
EX7X7

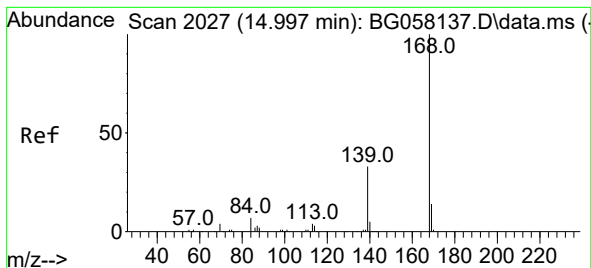
Tgt Ion:152 Resp: 109036
Ion Ratio Lower Upper
152 100
151 26.5 15.6 23.4#
153 56.0 10.5 15.7#



#52
Acenaphthene
Concen: 458.597 ng/ul
RT: 14.732 min Scan# 1982
Delta R.T. 0.071 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

Tgt Ion:153 Resp: 8285144
Ion Ratio Lower Upper
153 100
152 57.8 36.5 54.7#
154 92.1 70.5 105.7





#56

Dibenzofuran

Concen: 351.406 ng/ul

RT: 15.056 min Scan# 2027

Delta R.T. 0.059 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

Instrument :

BNA_P

ClientSampleId :

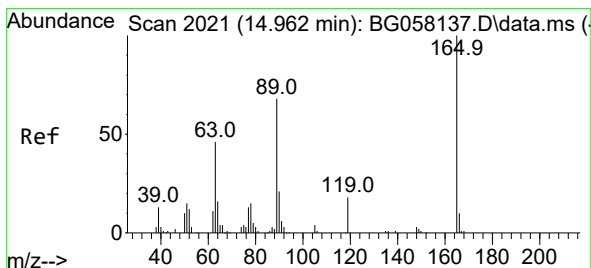
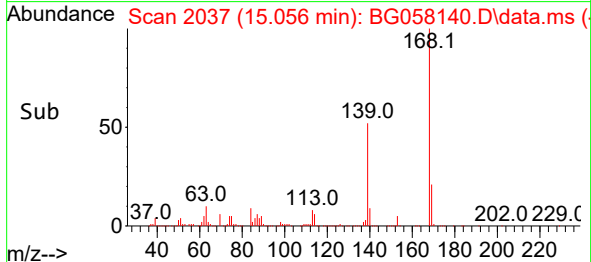
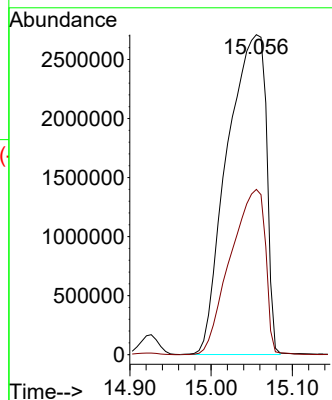
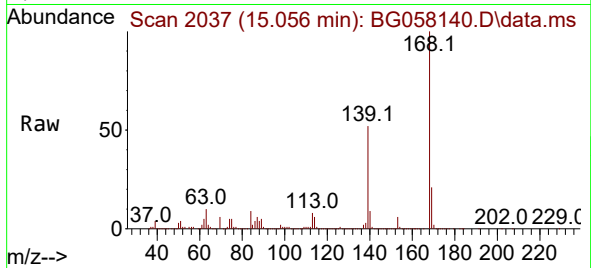
EX7X7

Tgt Ion:168 Resp: 9024647

Ion Ratio Lower Upper

168 100

139 51.7 27.6 41.4#



#57

2,4-Dinitrotoluene

Concen: 3.425 ng/ul

RT: 14.979 min Scan# 2024

Delta R.T. 0.018 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

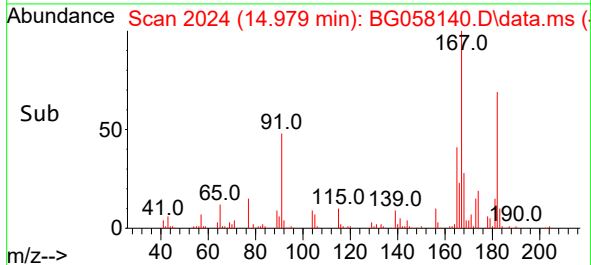
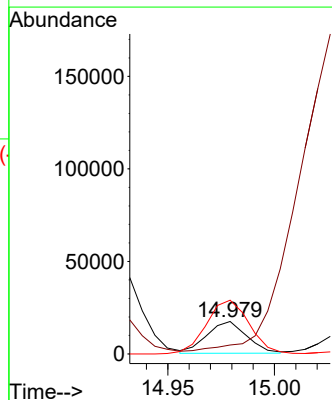
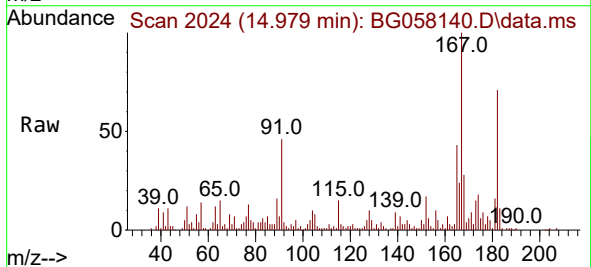
Tgt Ion:165 Resp: 22356

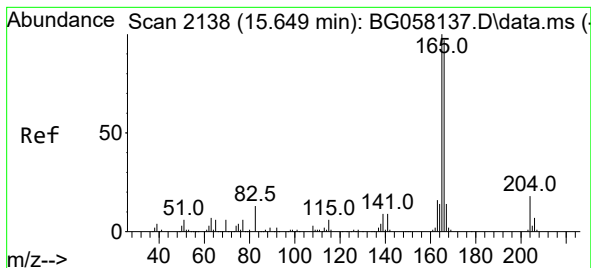
Ion Ratio Lower Upper

165 100

63 27.5 35.8 53.8#

182 165.7 1.6 2.4#





#61

Fluorene

Concen: 414.339 ng/ul

RT: 15.714 min Scan# 2149

Delta R.T. 0.065 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

Instrument :

BNA_P

ClientSampleId :

EX7X7

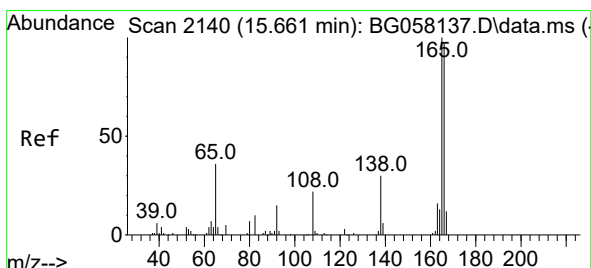
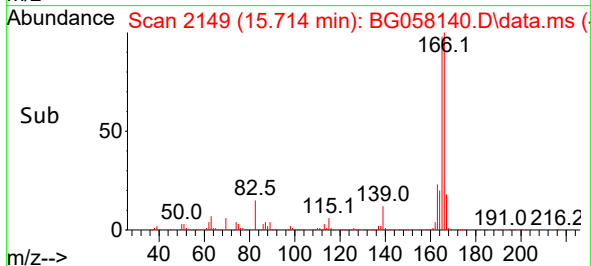
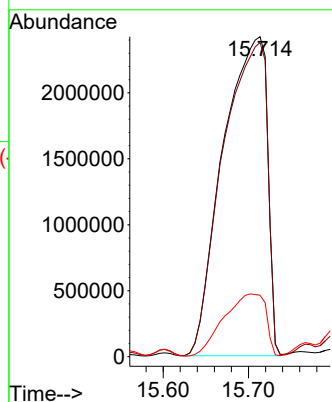
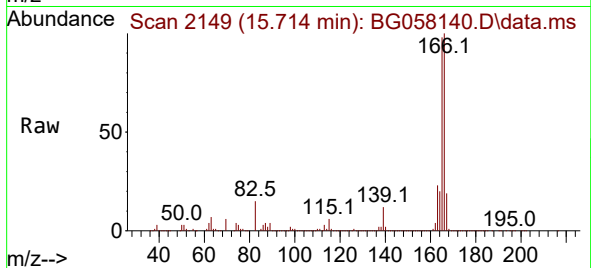
Tgt Ion:166 Resp: 8730845

Ion Ratio Lower Upper

166 100

165 98.2 79.1 118.7

167 19.2 10.7 16.1#



#63

4-Nitroaniline

Concen: 35.301 ng/ul

RT: 15.714 min Scan# 2149

Delta R.T. 0.053 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

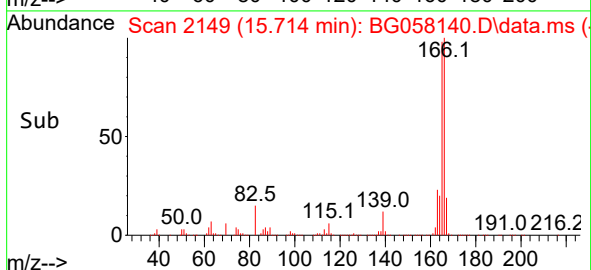
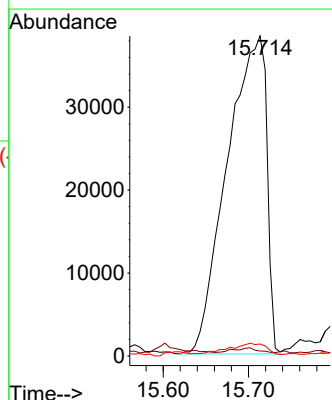
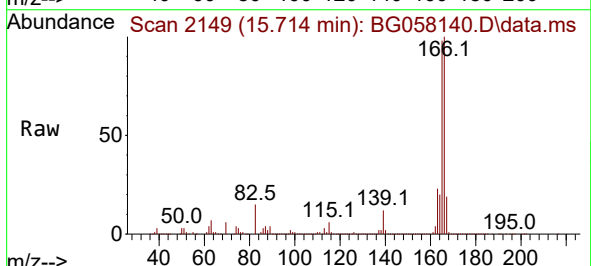
Tgt Ion:138 Resp: 123131

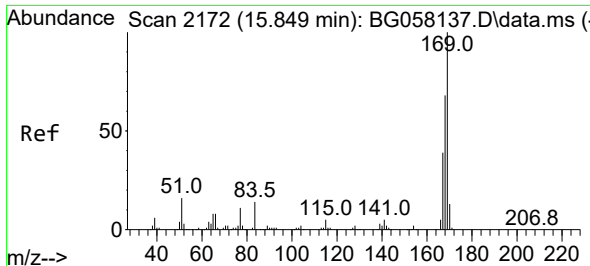
Ion Ratio Lower Upper

138 100

92 1.5 43.8 65.8#

108 3.7 58.8 88.2#





#67

N-Nitrosodiphenylamine

Concen: 4.907 ng/ul

RT: 15.872 min Scan# 2172

Delta R.T. 0.024 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

Instrument :

BNA_P

ClientSampleId :

EX7X7

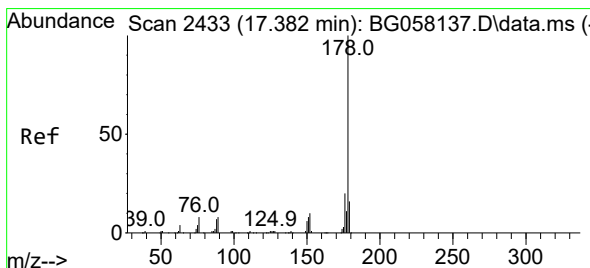
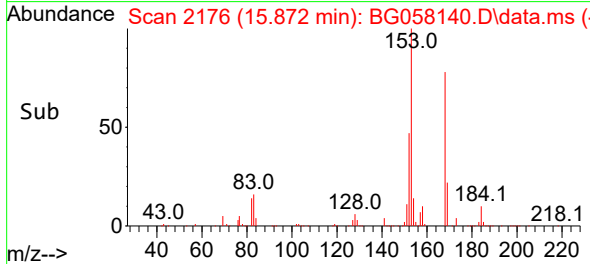
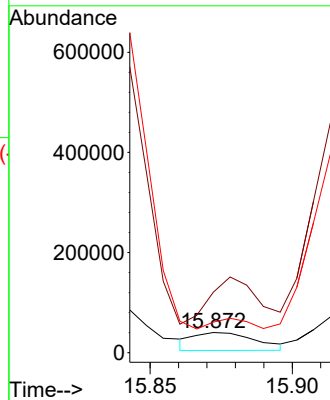
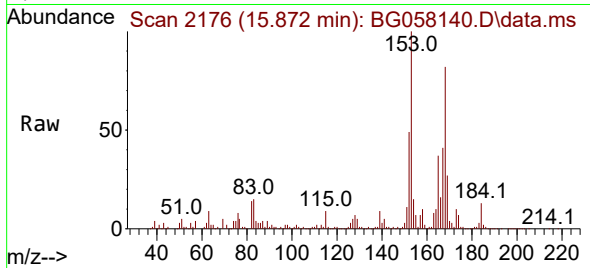
Tgt Ion:169 Resp: 54437

Ion Ratio Lower Upper

169 100

168 298.8 54.2 81.2#

167 150.8 30.8 46.2#



#72

Phenanthrene

Concen: 834.606 ng/ul

RT: 17.494 min Scan# 2452

Delta R.T. 0.112 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

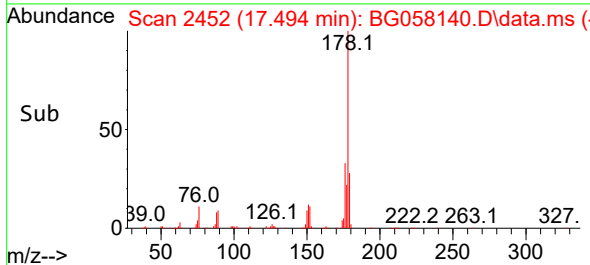
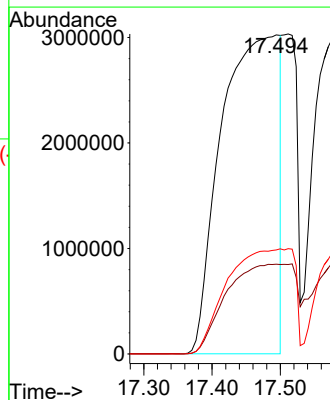
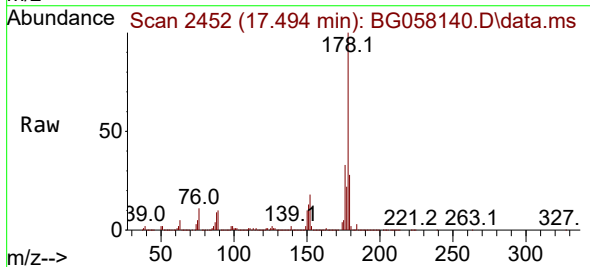
Tgt Ion:178 Resp:17696580

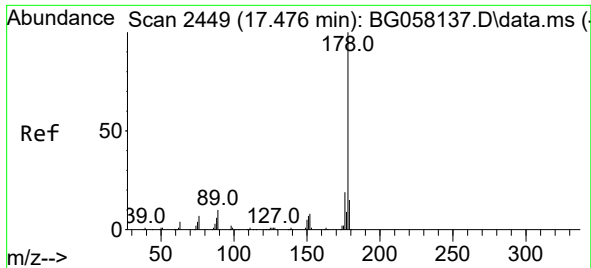
Ion Ratio Lower Upper

178 100

179 28.1 12.8 19.2#

176 32.6 15.7 23.5#

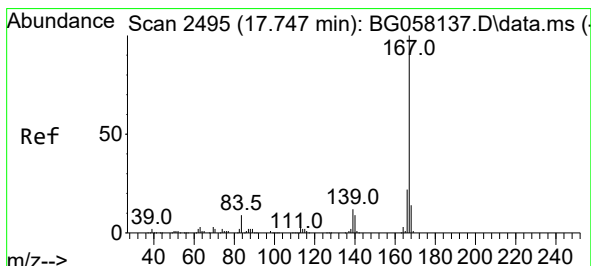
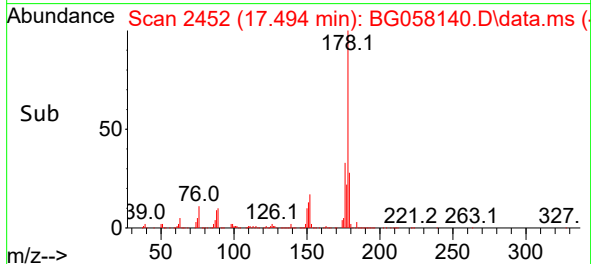
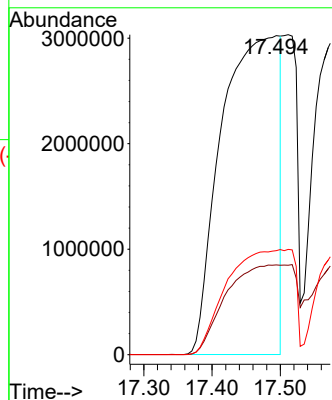
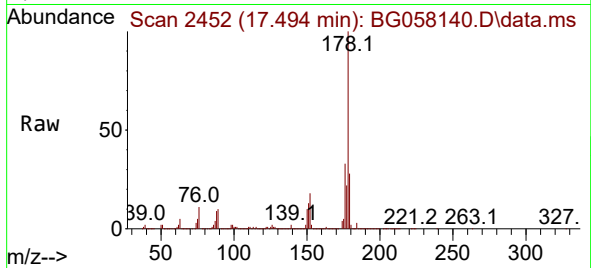




#74
 Anthracene
 Concen: 824.746 ng/ul
 RT: 17.494 min Scan# 24
 Delta R.T. 0.018 min
 Lab File: BG058140.D
 Acq: 10 Jul 2023 13:36

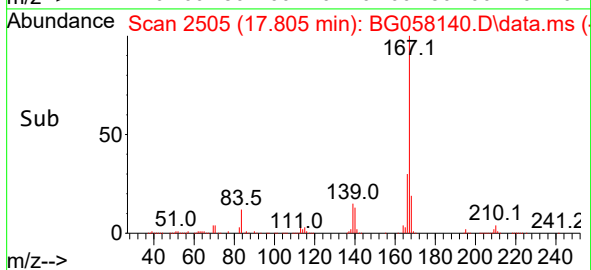
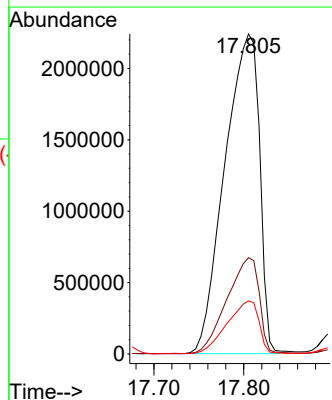
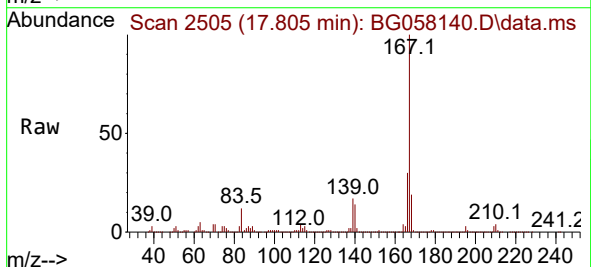
Instrument :
 BNA_P
 ClientSampleId :
 EX7X7

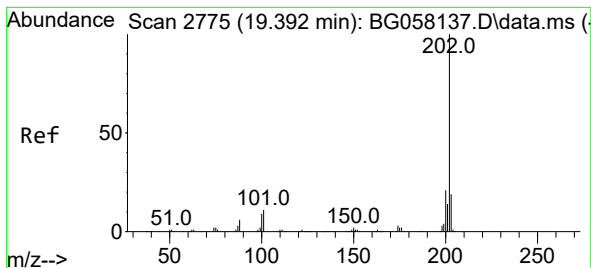
Tgt Ion:178 Resp:17696580
 Ion Ratio Lower Upper
 178 100
 179 28.1 12.6 18.8#
 176 32.6 15.4 23.2#



#77
 Carbazole
 Concen: 309.125 ng/ul
 RT: 17.805 min Scan# 2505
 Delta R.T. 0.059 min
 Lab File: BG058140.D
 Acq: 10 Jul 2023 13:36

Tgt Ion:167 Resp: 5998782
 Ion Ratio Lower Upper
 167 100
 166 30.1 17.5 26.3#
 139 16.6 9.5 14.3#





#80

Fluoranthene

Concen: 632.577 ng/ul

RT: 19.480 min Scan# 21

Delta R.T. 0.088 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

Instrument :

BNA_P

ClientSampleId :

EX7X7

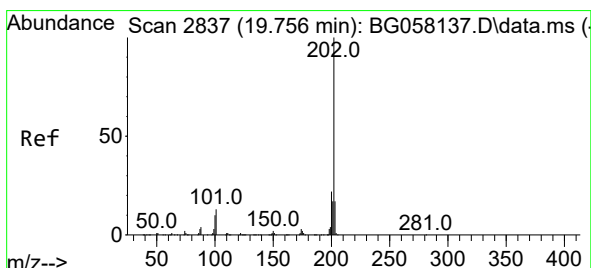
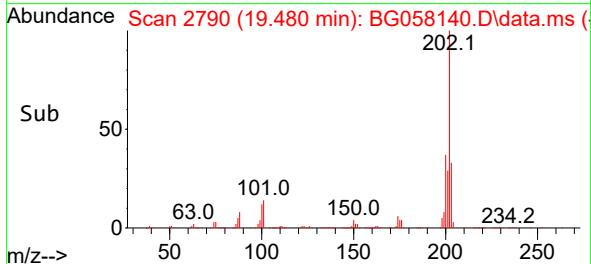
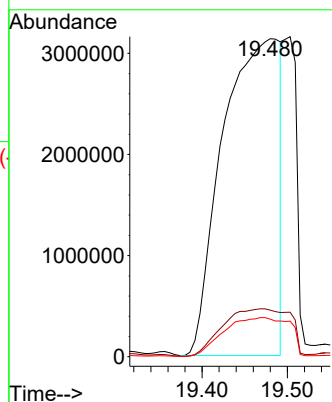
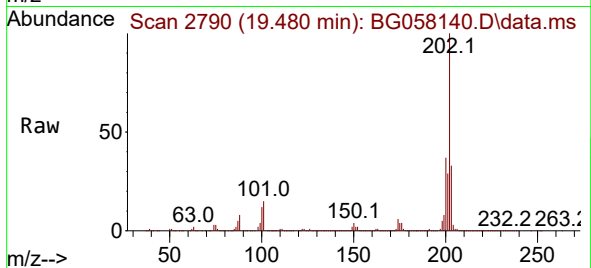
Tgt Ion:202 Resp:14494427

Ion Ratio Lower Upper

202 100

101 14.7 9.1 13.7#

100 11.8 7.1 10.7#



#82

Pyrene

Concen: 631.071 ng/ul

RT: 19.856 min Scan# 2854

Delta R.T. 0.100 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

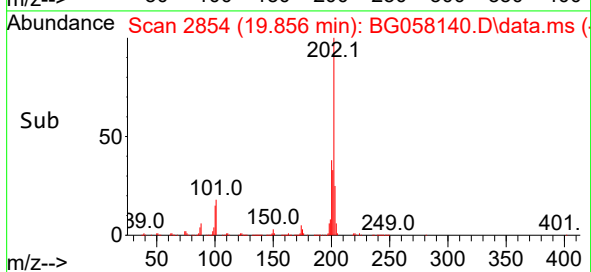
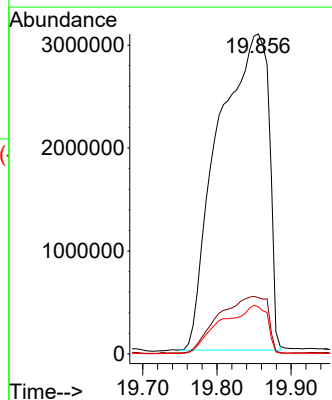
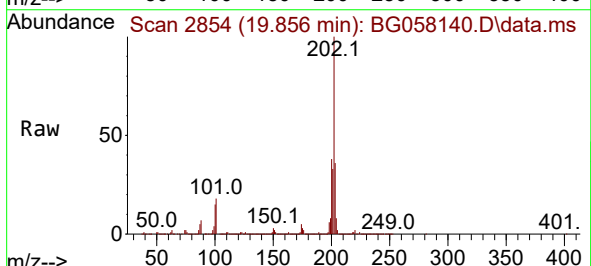
Tgt Ion:202 Resp:14555414

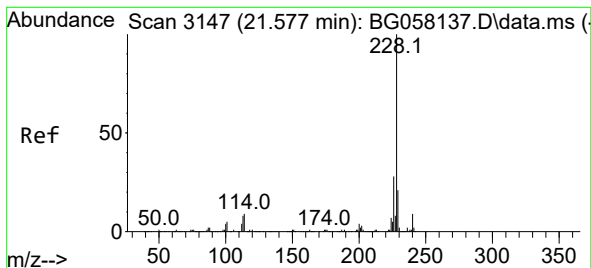
Ion Ratio Lower Upper

202 100

101 17.6 10.2 15.2#

100 14.7 8.9 13.3#





#85

Benzo(a)anthracene

Concen: 482.812 ng/ul

RT: 21.660 min Scan# 3161

Delta R.T. 0.082 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

Instrument :

BNA_P

ClientSampleId :

EX7X7

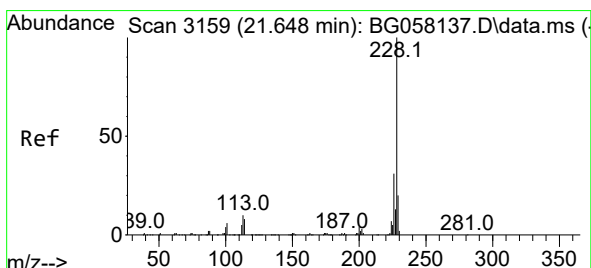
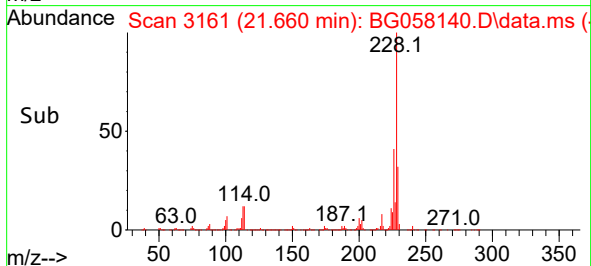
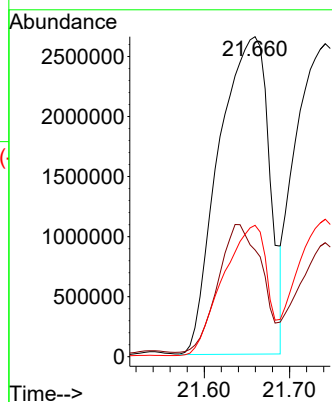
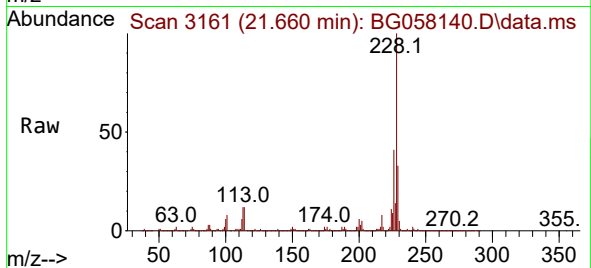
Tgt Ion:228 Resp:10884397

Ion Ratio Lower Upper

228 100

229 33.4 16.0 24.0#

226 41.0 22.0 33.0#



#87

Chrysene

Concen: 389.774 ng/ul

RT: 21.742 min Scan# 3175

Delta R.T. 0.094 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

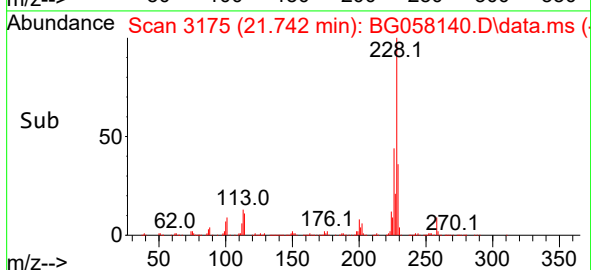
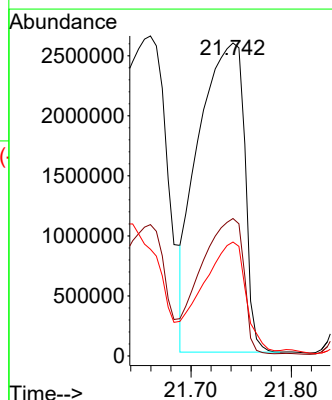
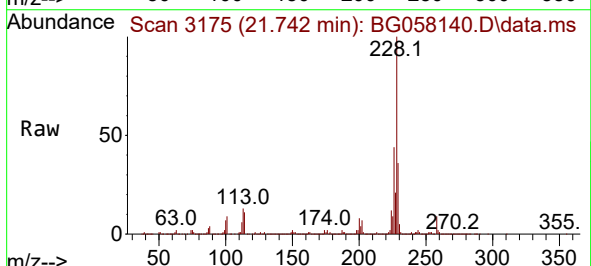
Tgt Ion:228 Resp: 8237180

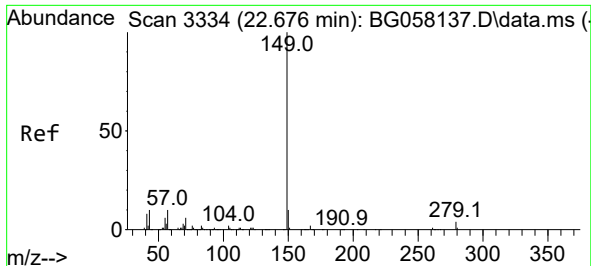
Ion Ratio Lower Upper

228 100

226 43.9 24.4 36.6#

229 36.4 15.5 23.3#

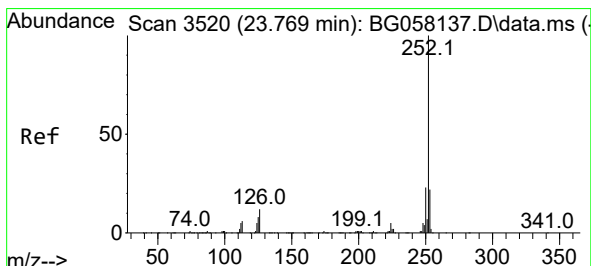
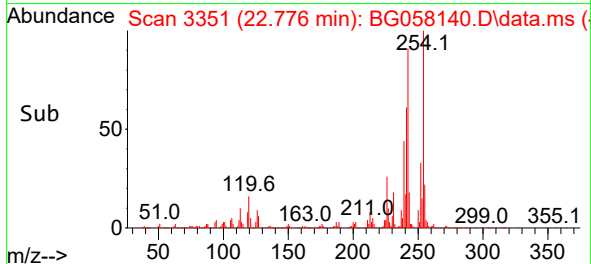
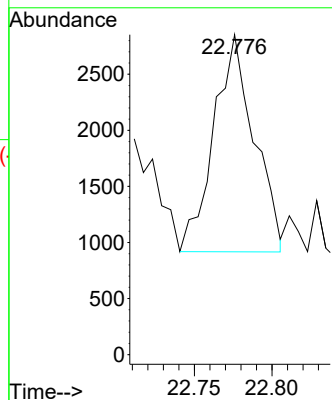
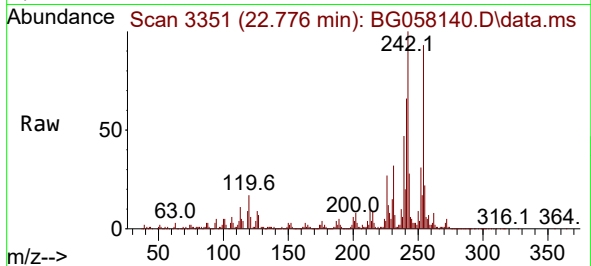




#89
Di-n-octyl phthalate
Concen: 4.119 ng/ul
RT: 22.776 min Scan# 31
Delta R.T. 0.100 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

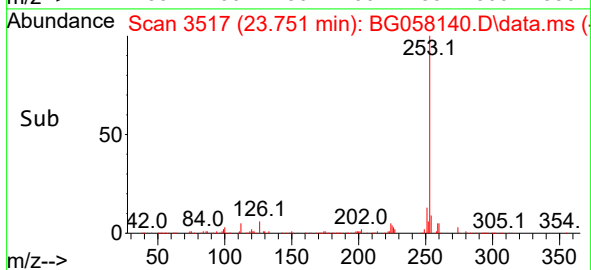
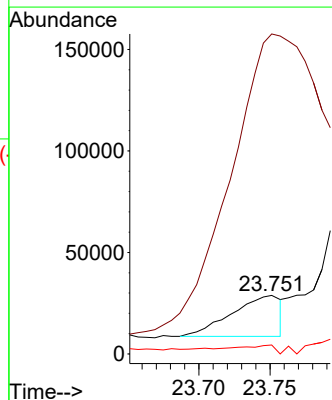
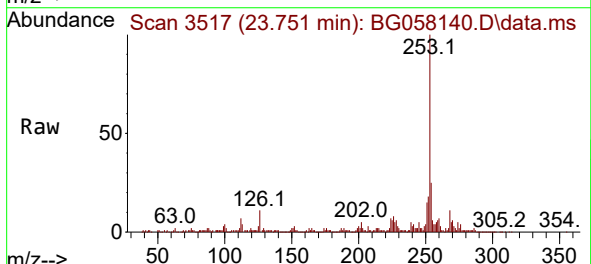
Instrument :
BNA_P
ClientSampleId :
EX7X7

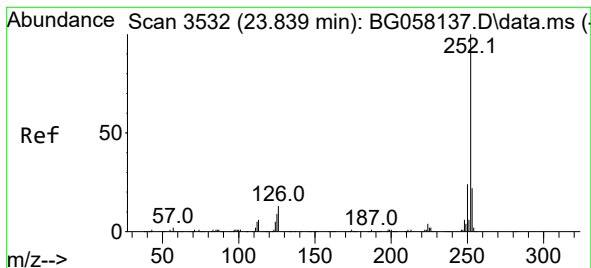
Tgt Ion:149 Resp: 3500



#90
Benzo(b)fluoranthene
Concen: 56.502 ng/ul
RT: 23.751 min Scan# 3517
Delta R.T. -0.018 min
Lab File: BG058140.D
Acq: 10 Jul 2023 13:36

Tgt Ion:252 Resp: 48387
Ion Ratio Lower Upper
252 100
253 547.0 18.1 27.1#
125 15.4 7.5 11.3#





#91

Benzo(k)fluoranthene

Concen: 16955.412 ng/u1

RT: 23.939 min Scan# 3

Delta R.T. 0.100 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

Instrument :

BNA_P

ClientSampleId :

EX7X7

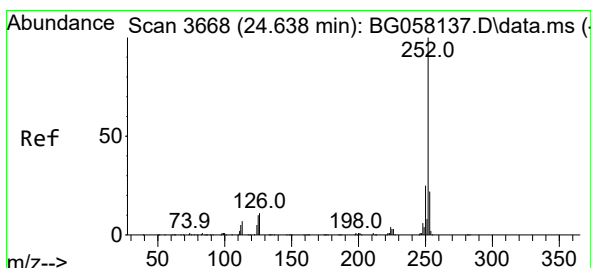
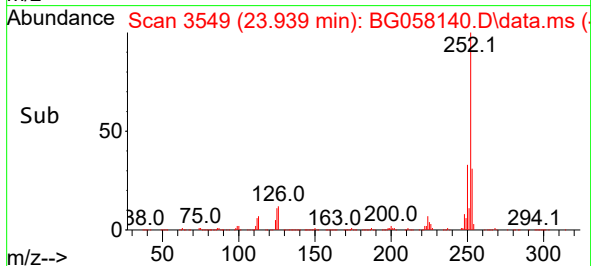
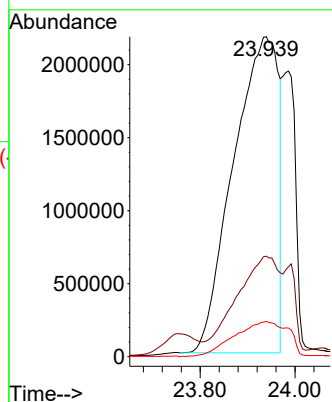
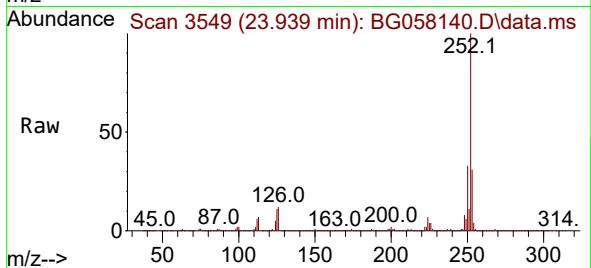
Tgt Ion:252 Resp:14232395

Ion Ratio Lower Upper

252 100

253 31.4 17.7 26.5#

125 11.0 7.4 11.2



#93

Benzo(a)pyrene

Concen: 9287.563 ng/u1

RT: 24.638 min Scan# 3668

Delta R.T. 0.000 min

Lab File: BG058140.D

Acq: 10 Jul 2023 13:36

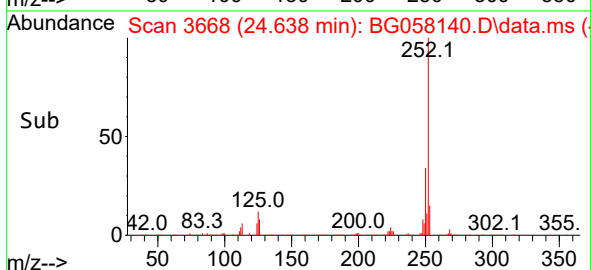
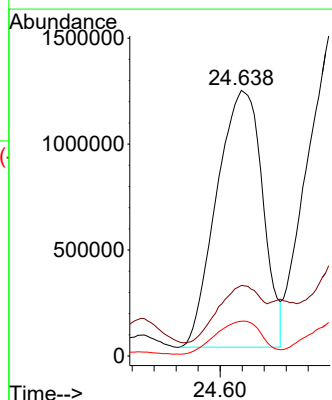
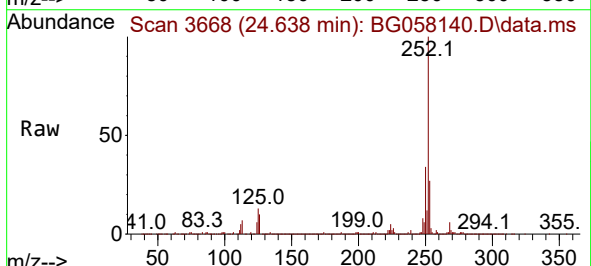
Tgt Ion:252 Resp: 7039837

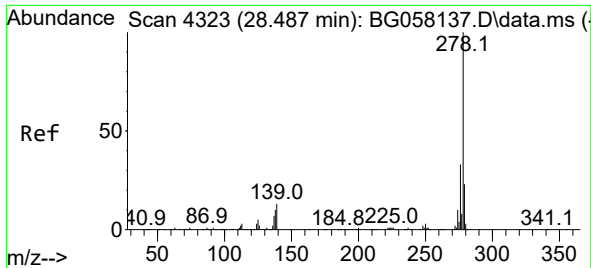
Ion Ratio Lower Upper

252 100

253 26.5 17.8 26.6

125 13.1 8.3 12.5#

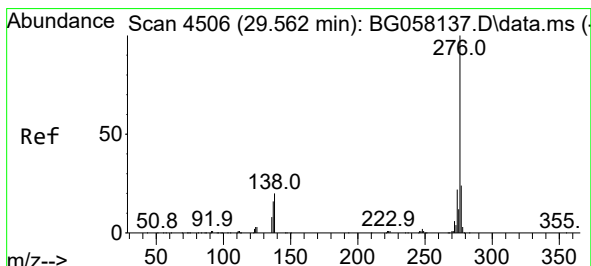
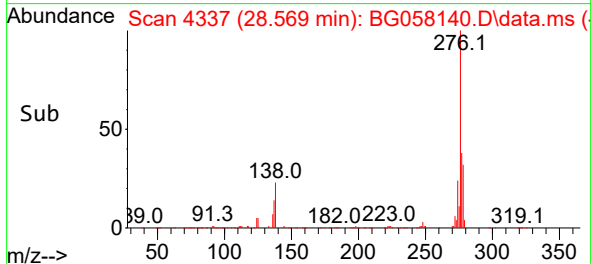
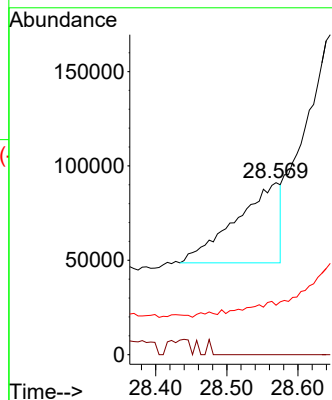
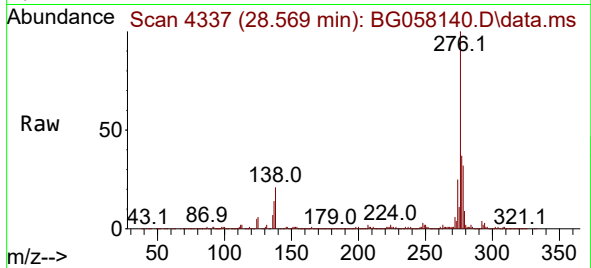




#95
 Dibenzo(a,h)anthracene
 Concen: 223.221 ng/ul
 RT: 28.569 min Scan# 41
 Delta R.T. 0.082 min
 Lab File: BG058140.D
 Acq: 10 Jul 2023 13:36

Instrument :
 BNA_P
 ClientSampleId :
 EX7X7

Tgt Ion:278 Resp: 185273
 Ion Ratio Lower Upper
 278 100
 139 0.0 11.3 16.9#
 279 28.7 18.9 28.3#



#96
 Benzo(g,h,i)perylene
 Concen: 1.069 ng/ul
 RT: 29.638 min Scan# 4519
 Delta R.T. 0.076 min
 Lab File: BG058140.D
 Acq: 10 Jul 2023 13:36

Tgt Ion:276 Resp: 879
 Ion Ratio Lower Upper
 276 100
 138 30.1 14.2 21.2#
 277 75.5 18.6 27.8#

