

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
 Data File : BG056051.D
 Acq On : 21 Dec 2022 16:42
 Operator : CG/JU
 Sample : N6037-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 22 01:25:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 01:11:10 2022
 Response via : Initial Calibration

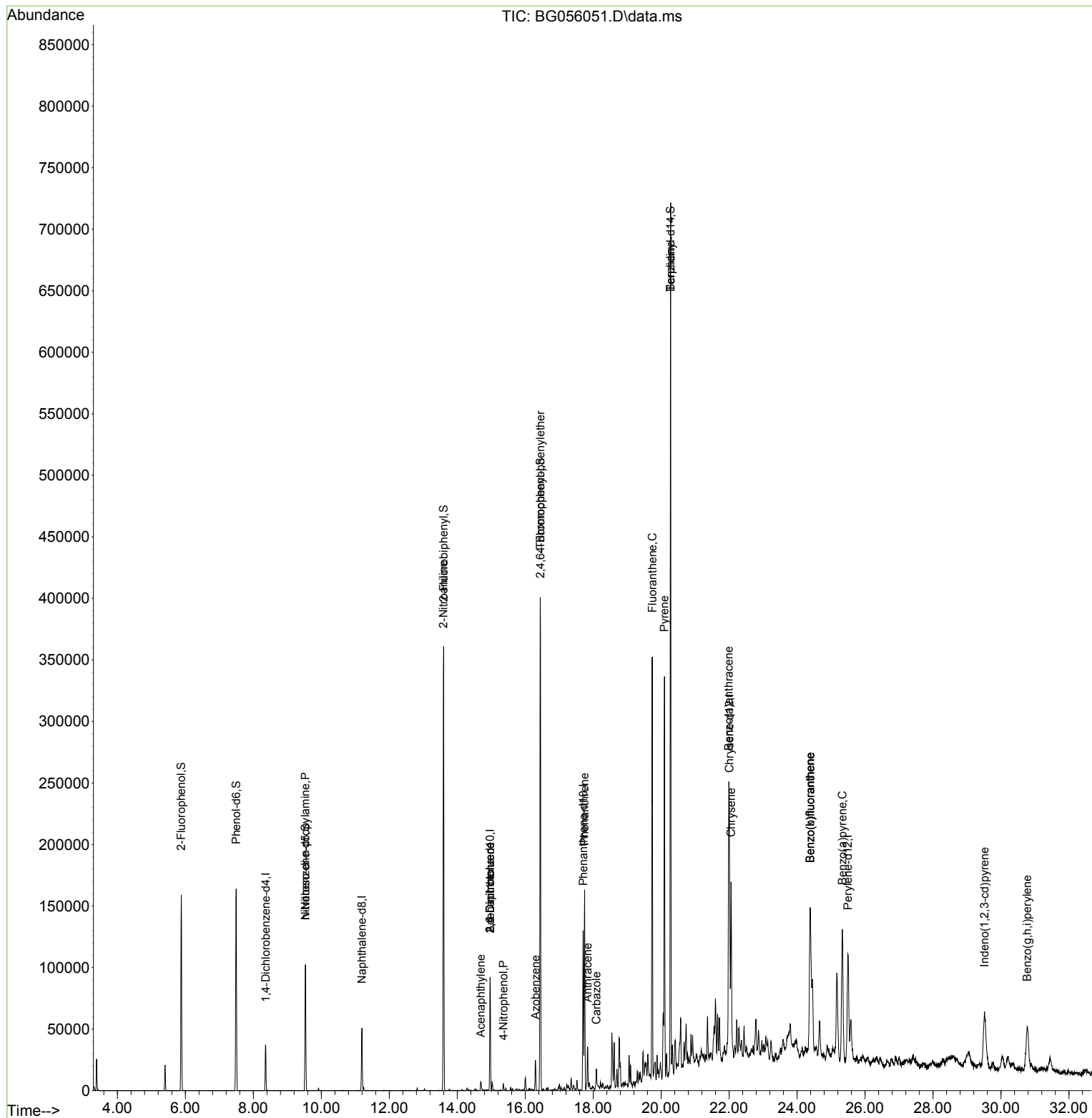
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

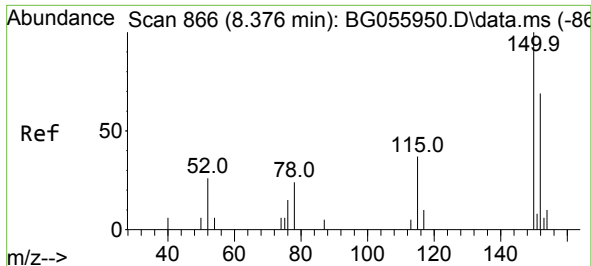
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.364	152	11132	20.000	ng	0.00
21) Naphthalene-d8	11.196	136	43734	20.000	ng	# 0.00
39) Acenaphthene-d10	14.968	164	36697	20.000	ng	0.00
64) Phenanthrene-d10	17.706	188	93696	20.000	ng	0.00
76) Chrysene-d12	22.007	240	93641	20.000	ng	0.00
86) Perylene-d12	25.497	264	114170	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.879	112	63538	133.855	ng	0.00
7) Phenol-d6	7.495	99	79767	130.659	ng	0.00
23) Nitrobenzene-d5	9.533	82	54924	87.763	ng	0.00
42) 2,4,6-Tribromophenol	16.449	330	105773	119.534	ng	0.00
45) 2-Fluorobiphenyl	13.599	172	195184	74.595	ng	0.00
79) Terphenyl-d14	20.280	244	374178	70.623	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.533	70	8290	18.944	ng	# 68
48) 2-Nitroaniline	13.593	65	156	3.183	ng	# 1
49) Acenaphthylene	14.698	152	9375	2.906	ng	# 91
51) 2,6-Dinitrotoluene	14.968	165	5043	10.272	ng	# 25
56) 4-Nitrophenol	15.362	139	1355	3.386	ng	# 1
57) 2,4-Dinitrotoluene	14.968	165	5043	6.805	ng	# 35
63) Azobenzene	16.308	77	5752	3.048	ng	# 8
67) 4-Bromophenyl-phenylether	16.443	248	5972	4.350	ng	# 1
71) Phenanthrene	17.747	178	113733	23.163	ng	99
72) Anthracene	17.835	178	27514	5.664	ng	97
73) Carbazole	18.094	167	11477	2.865	ng	97
75) Fluoranthene	19.739	202	247837	36.045	ng	99
77) Benzidine	20.280	184	5738	3.489	ng	# 92
78) Pyrene	20.097	202	225325	39.766	ng	100
81) Benzo(a)anthracene	21.989	228	137445	20.859	ng	98
83) Chrysene	22.060	228	118053	19.116	ng	98
87) Indeno(1,2,3-cd)pyrene	29.516	276	98199	10.696	ng	# 98
88) Benzo(b)fluoranthene	24.387	252	185965	25.168	ng	99
89) Benzo(k)fluoranthene	24.387	252	185965	25.226	ng	99
90) Benzo(a)pyrene	25.332	252	147269	23.579	ng	97
92) Benzo(g,h,i)perylene	30.773	276	103408	13.918	ng	# 98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056051.D
Acq On : 21 Dec 2022 16:42
Operator : CG/JU
Sample : N6037-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

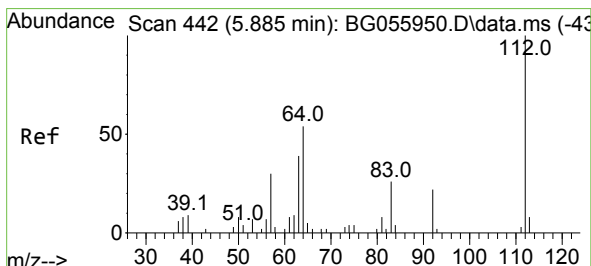
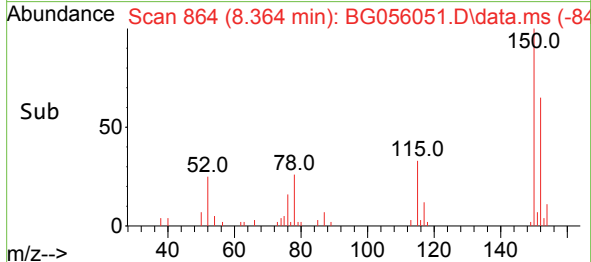
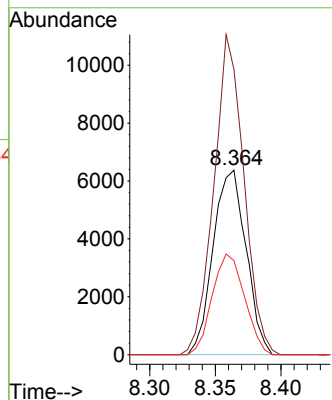
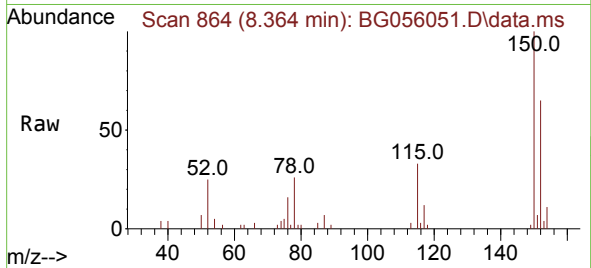
Quant Time: Dec 22 01:25:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 01:11:10 2022
Response via : Initial Calibration





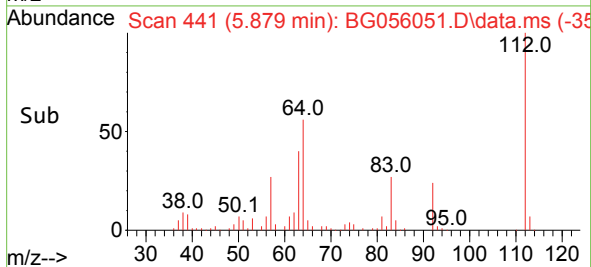
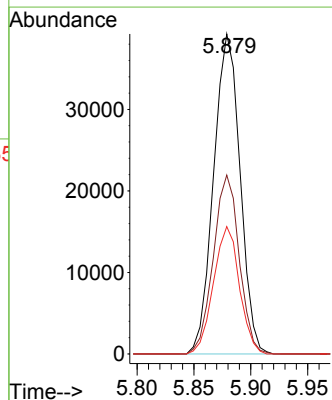
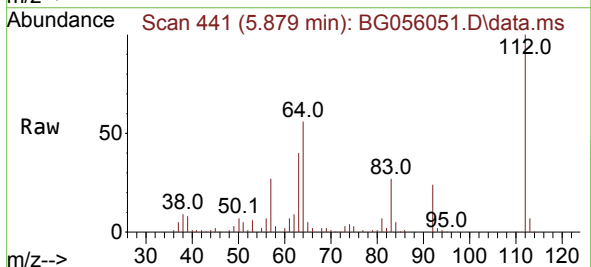
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.364 min Scan# 864
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

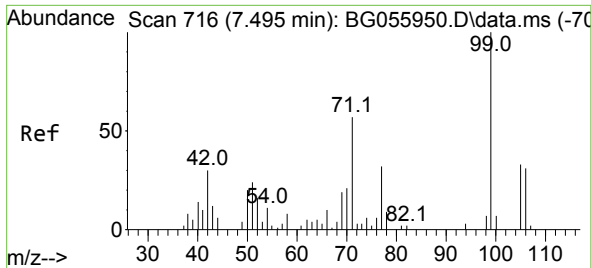
Tgt Ion:152 Resp: 11132
Ion Ratio Lower Upper
152 100
150 154.6 115.7 173.5
115 51.0 43.0 64.4



#5
2-Fluorophenol
Concen: 133.855 ng
RT: 5.879 min Scan# 441
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

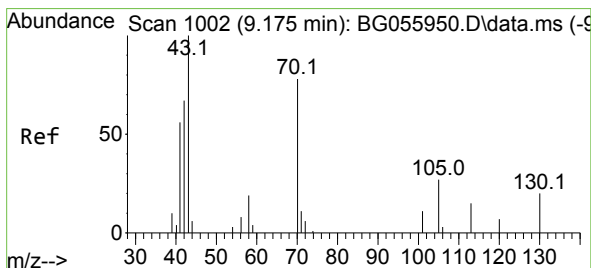
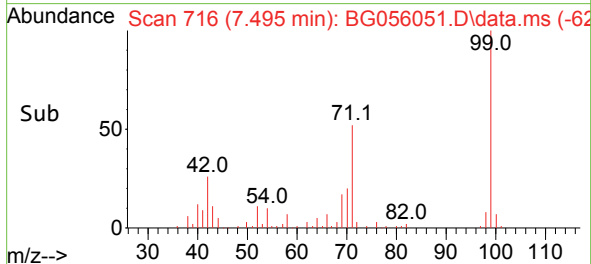
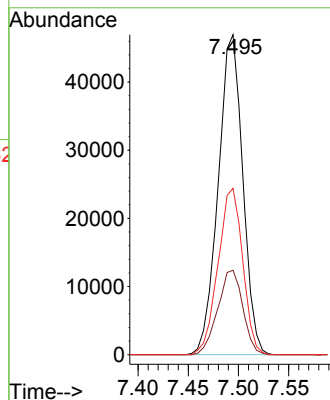
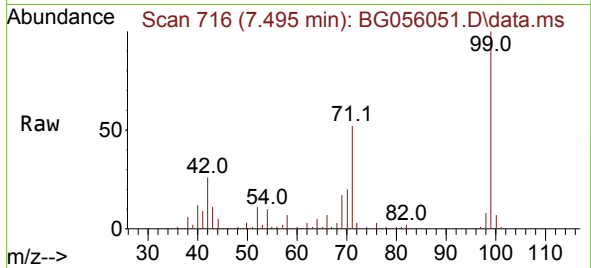
Tgt Ion:112 Resp: 63538
Ion Ratio Lower Upper
112 100
64 55.9 43.0 64.4
63 39.8 31.4 47.2





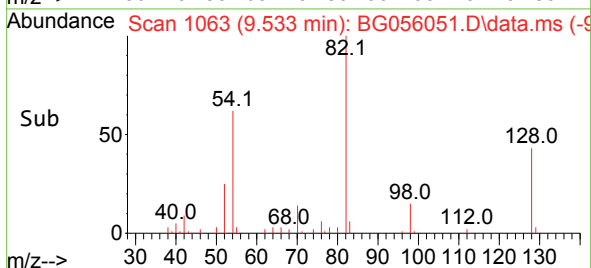
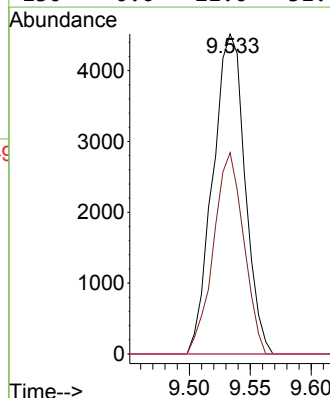
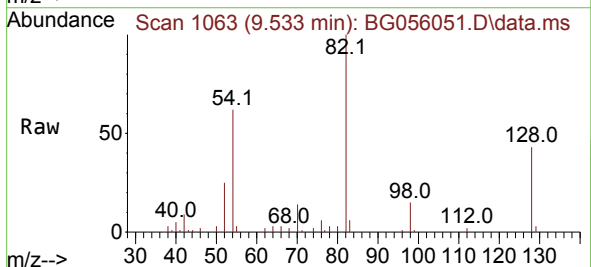
#7
Phenol-d6
Concen: 130.659 ng
RT: 7.495 min Scan# 716
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

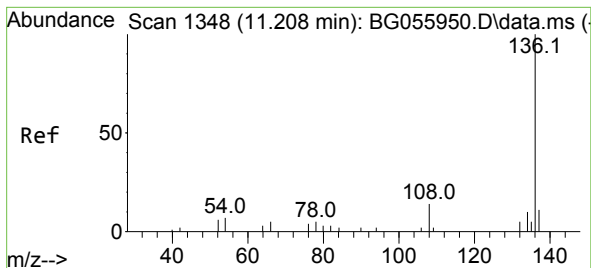
Tgt Ion: 99 Resp: 79767
Ion Ratio Lower Upper
99 100
42 26.4 24.3 36.5
71 52.0 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 18.944 ng
RT: 9.533 min Scan# 1063
Delta R.T. 0.364 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

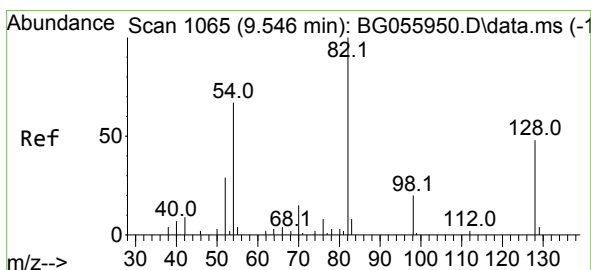
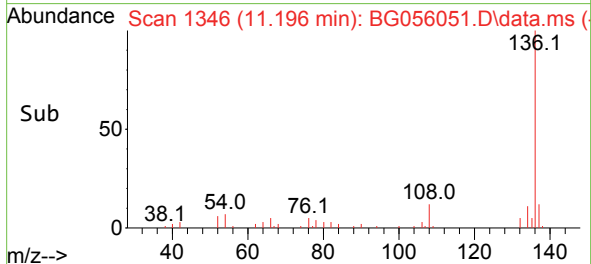
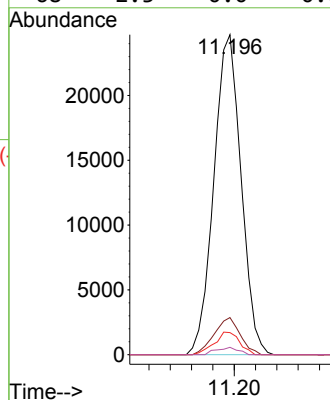
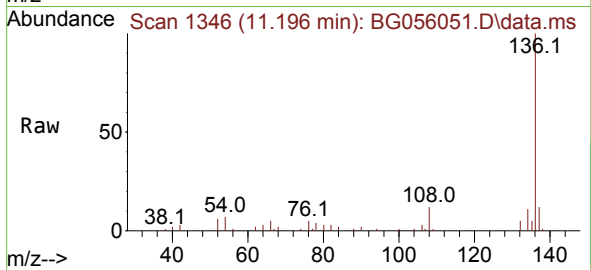
Tgt Ion: 70 Resp: 8290
Ion Ratio Lower Upper
70 100
42 62.9 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#





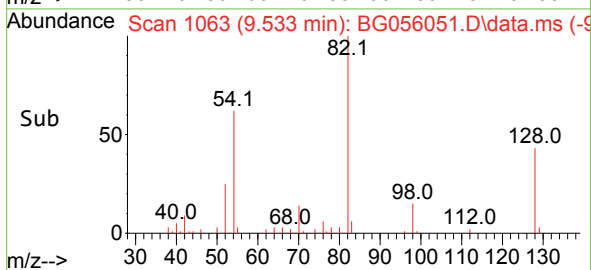
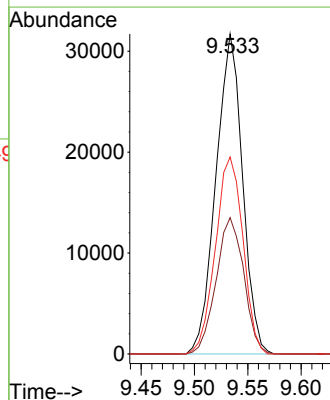
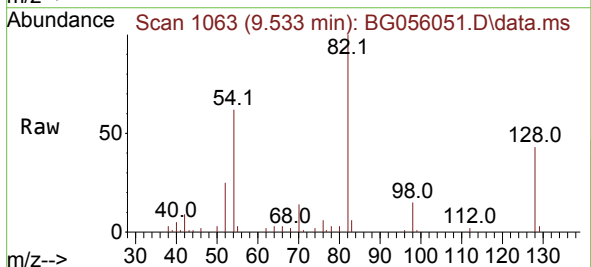
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.196 min Scan# 1346
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

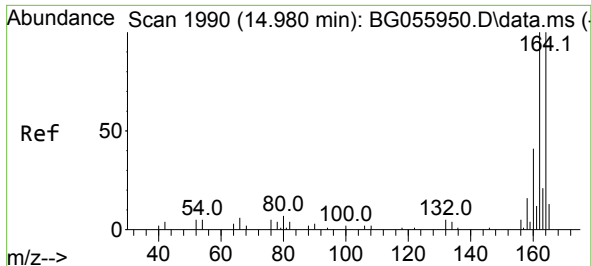
Tgt Ion:	136	Resp:	43734
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.2	13.8
54	6.9	5.6	8.4
68	2.3	0.0	0.0#



#23
Nitrobenzene-d5
Concen: 87.763 ng
RT: 9.533 min Scan# 1063
Delta R.T. -0.007 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

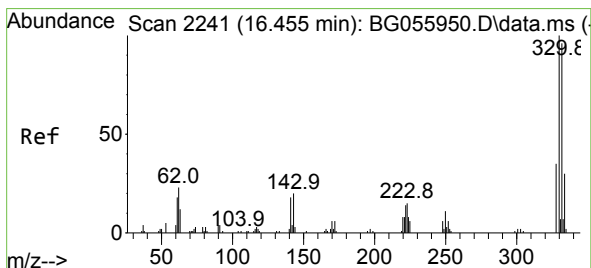
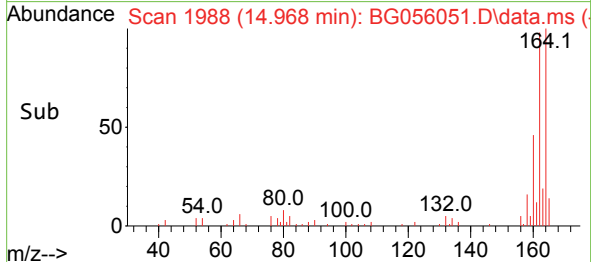
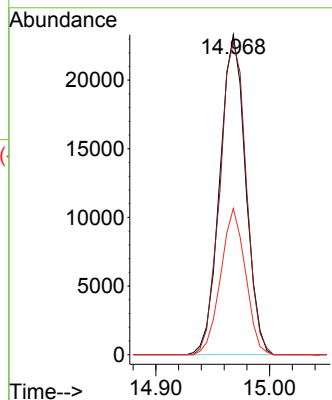
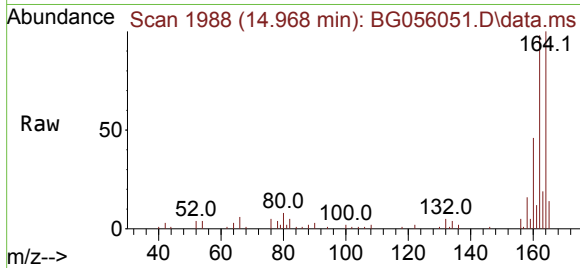
Tgt Ion:	82	Resp:	54924
Ion Ratio	Lower	Upper	
82	100		
128	42.6	38.4	57.6
54	61.6	53.3	79.9





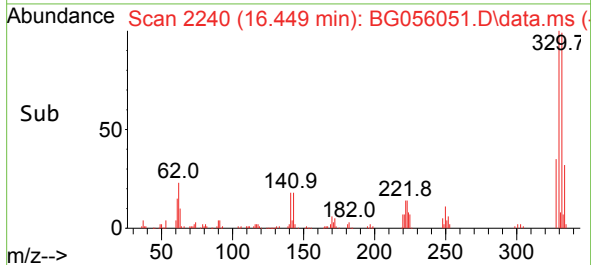
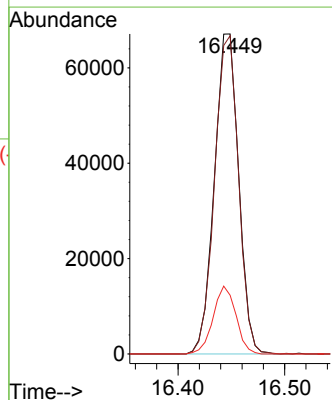
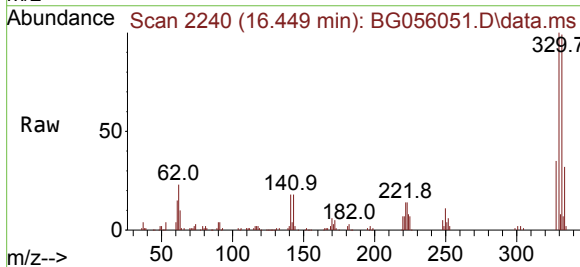
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.968 min Scan# 1988
Delta R.T. -0.007 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

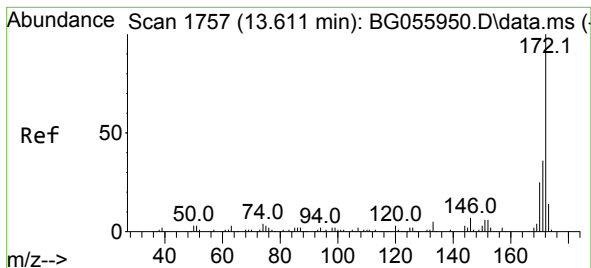
Tgt Ion:164 Resp: 36697
Ion Ratio Lower Upper
164 100
162 97.6 79.8 119.8
160 45.7 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 119.534 ng
RT: 16.449 min Scan# 2240
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

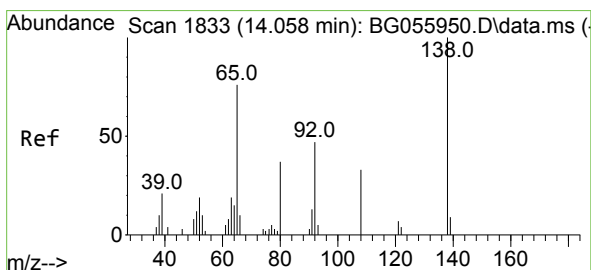
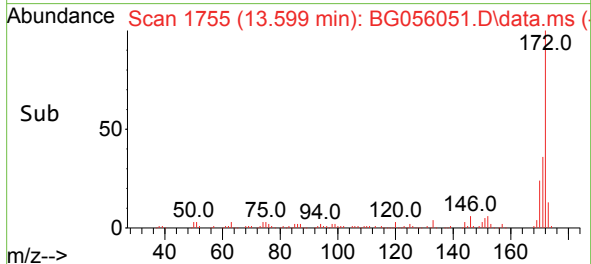
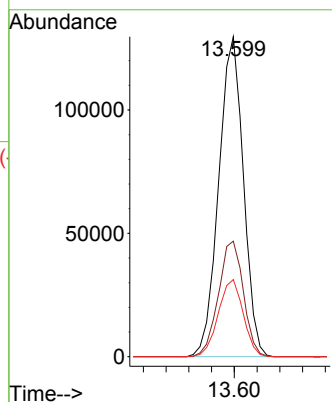
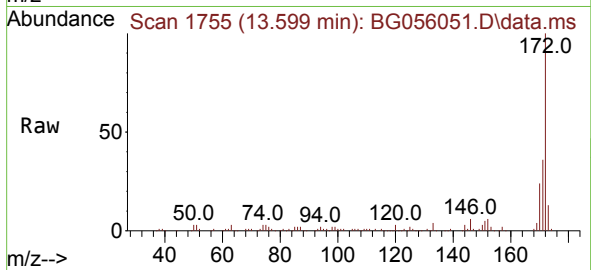
Tgt Ion:330 Resp: 105773
Ion Ratio Lower Upper
330 100
332 98.1 76.6 114.8
141 19.9 15.0 22.4





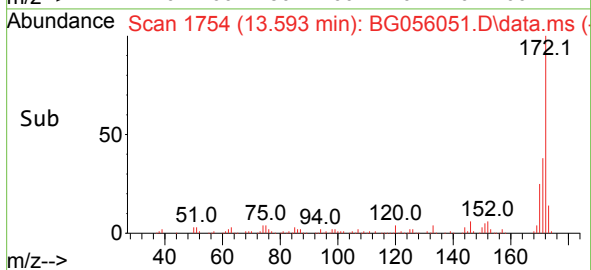
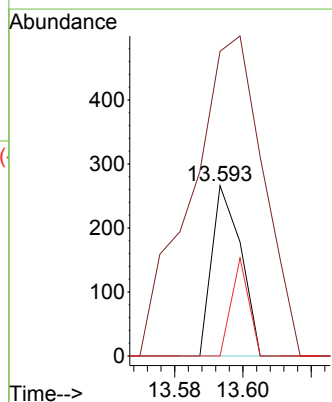
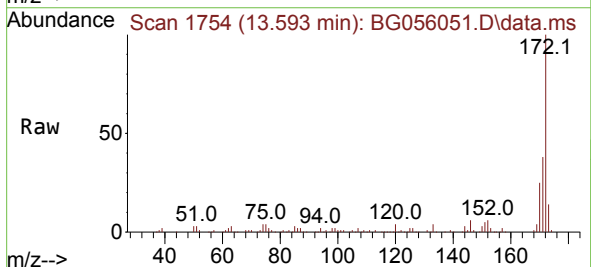
#45
2-Fluorobiphenyl
Concen: 74.595 ng
RT: 13.599 min Scan# 1755
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

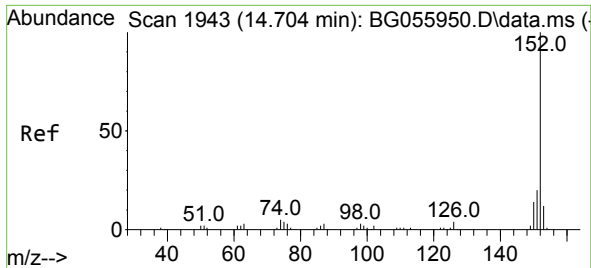
Tgt Ion:172 Resp: 195184
Ion Ratio Lower Upper
172 100
171 36.1 28.6 42.8
170 24.1 19.9 29.9



#48
2-Nitroaniline
Concen: 3.183 ng
RT: 13.593 min Scan# 1754
Delta R.T. -0.459 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

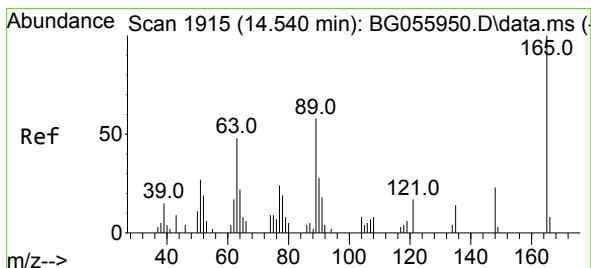
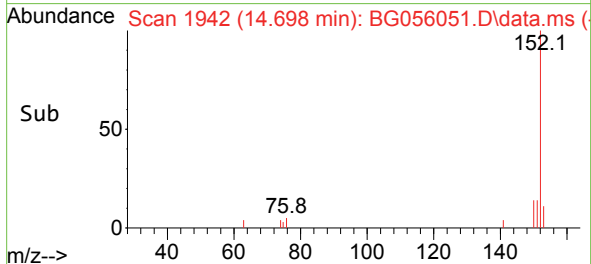
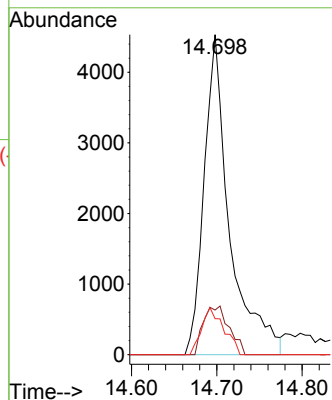
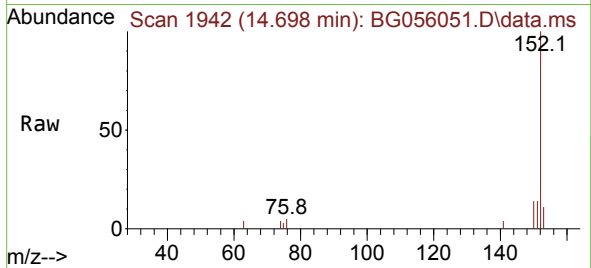
Tgt Ion: 65 Resp: 156
Ion Ratio Lower Upper
65 100
92 178.9 49.7 74.5#
138 0.0 105.0 157.6#





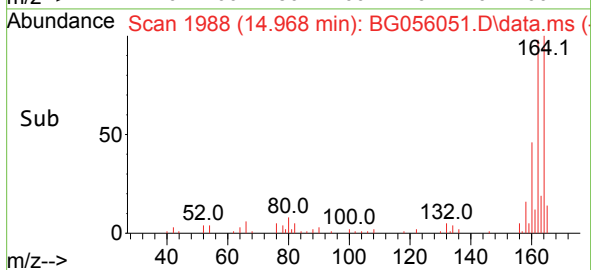
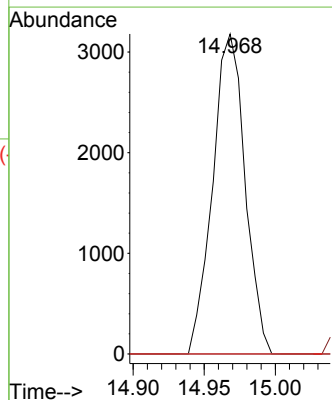
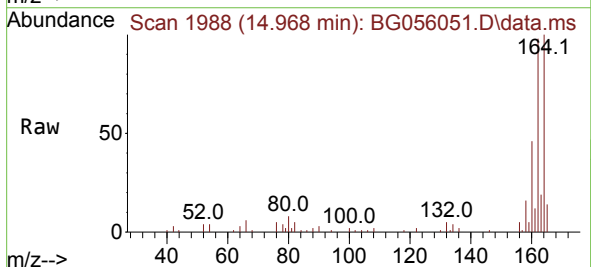
#49
Acenaphthylene
Concen: 2.906 ng
RT: 14.698 min Scan# 1942
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

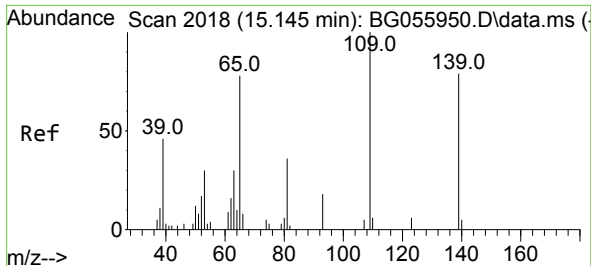
Tgt Ion:152 Resp: 9375
Ion Ratio Lower Upper
152 100
151 14.0 15.8 23.8#
153 11.3 10.0 15.0



#51
2,6-Dinitrotoluene
Concen: 10.272 ng
RT: 14.968 min Scan# 1988
Delta R.T. 0.434 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

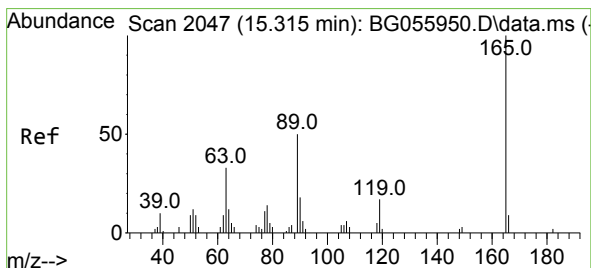
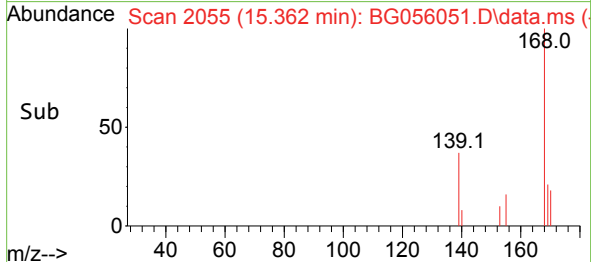
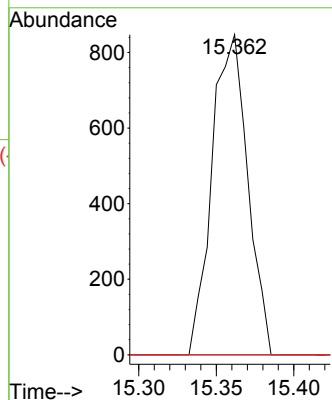
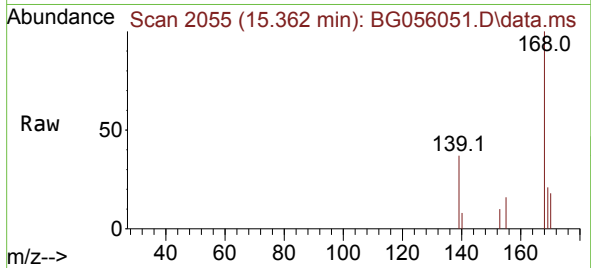
Tgt Ion:165 Resp: 5043
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#





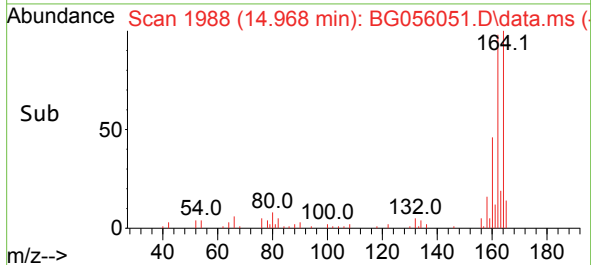
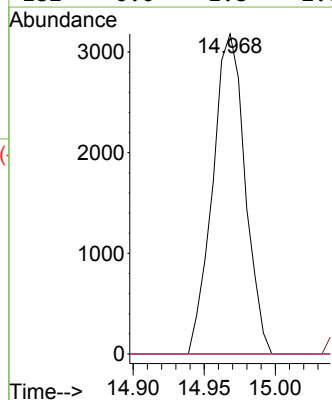
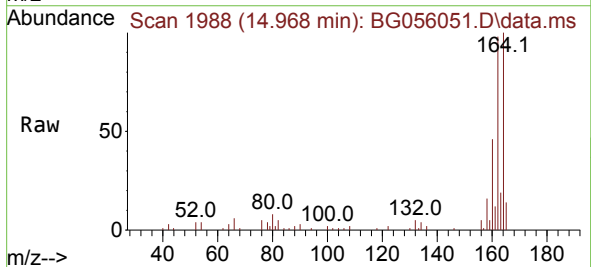
#56
4-Nitrophenol
Concen: 3.386 ng
RT: 15.362 min Scan# 2055
Delta R.T. 0.217 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

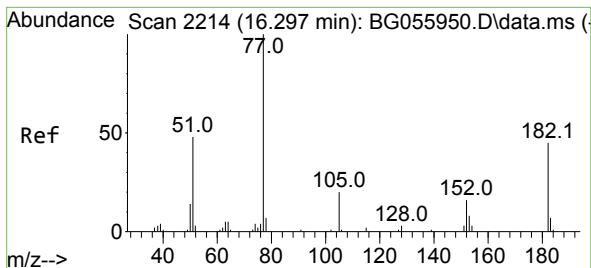
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Ion Ratio Lower Upper
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109 0.0 106.7 146.7#
65 0.0 79.2 119.2#



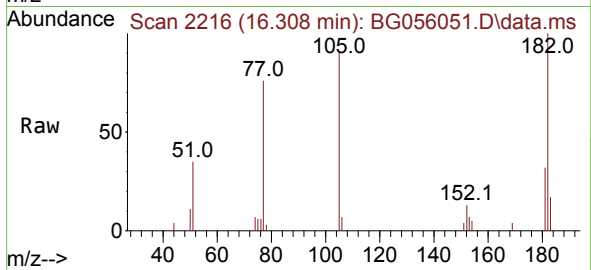
#57
2,4-Dinitrotoluene
Concen: 6.805 ng
RT: 14.968 min Scan# 1988
Delta R.T. -0.347 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

Tgt Ion:165 Resp: 5043
Ion Ratio Lower Upper
165 100
63 0.0 26.6 39.8#
89 0.0 40.1 60.1#
182 0.0 1.8 2.6#

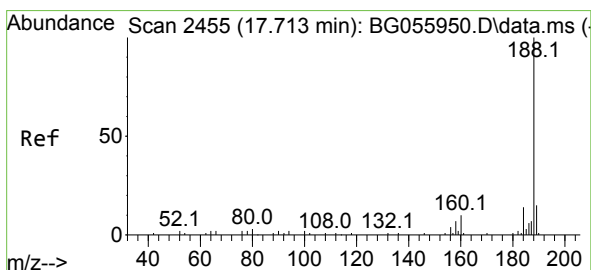
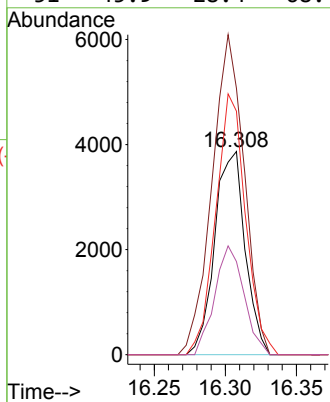
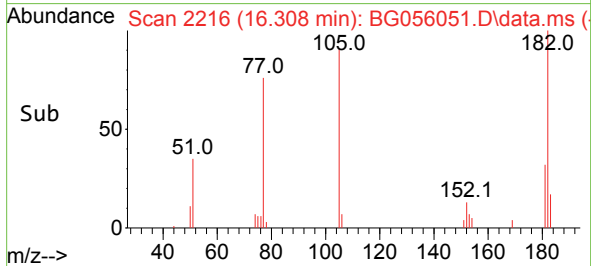




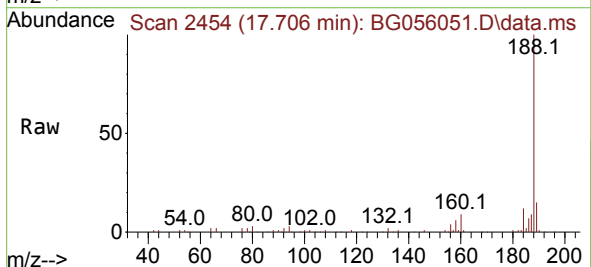
#63
Azobenzene
Concen: 3.048 ng
RT: 16.308 min Scan# 2216
Delta R.T. 0.017 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42



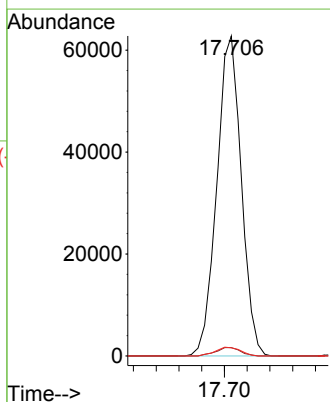
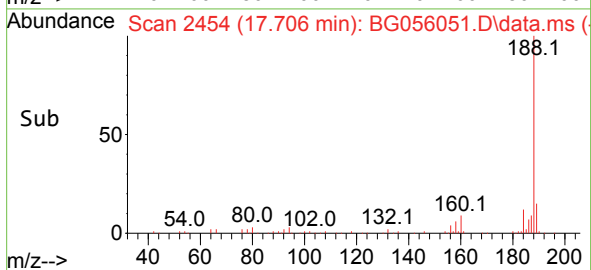
Tgt Ion: 77 Resp: 5752
Ion Ratio Lower Upper
77 100
182 131.1 24.7 64.7#
105 119.8 0.3 40.3#
51 45.9 28.4 68.4

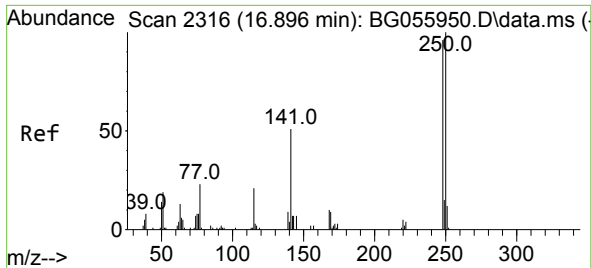


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.706 min Scan# 2454
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42



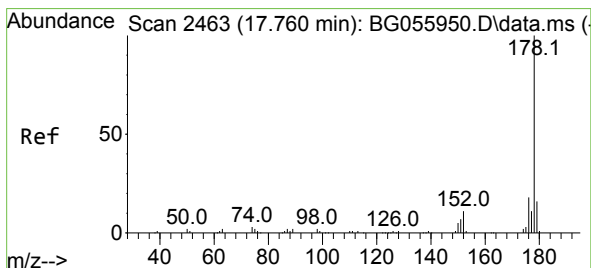
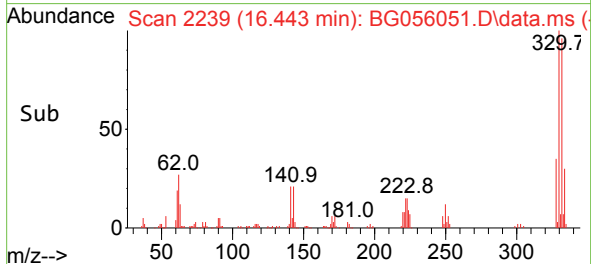
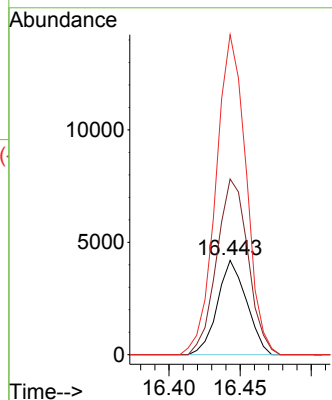
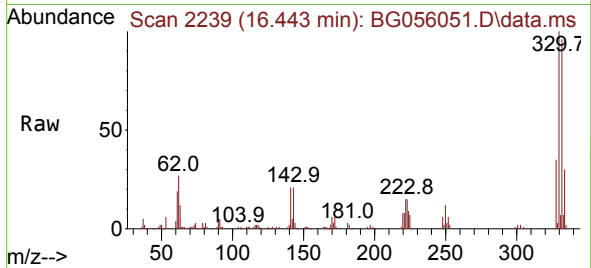
Tgt Ion: 188 Resp: 93696
Ion Ratio Lower Upper
188 100
94 2.6 1.8 2.8
80 2.5 2.4 3.6





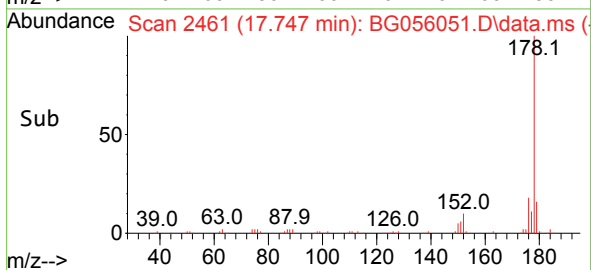
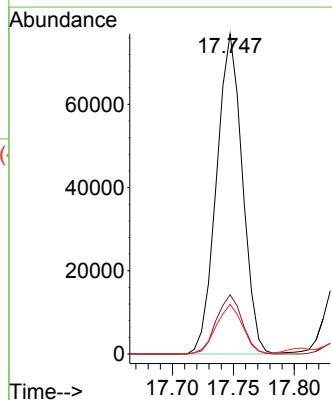
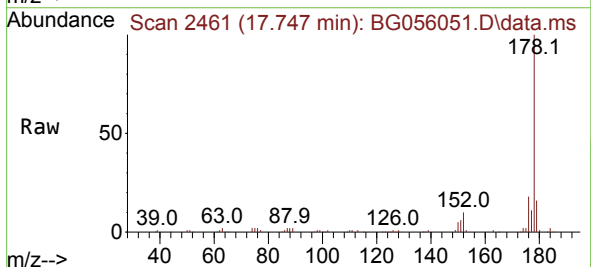
#67
4-Bromophenyl-phenylether
Concen: 4.350 ng
RT: 16.443 min Scan# 2239
Delta R.T. -0.447 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

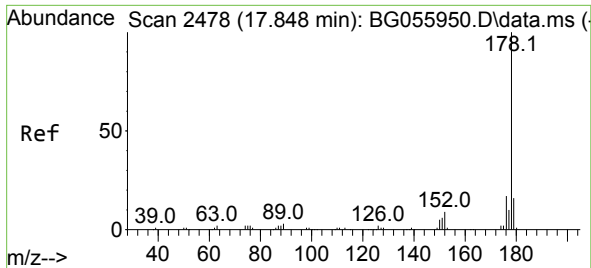
Tgt Ion:248 Resp: 5972
Ion Ratio Lower Upper
248 100
250 186.3 83.0 124.6#
141 339.3 42.6 64.0#



#71
Phenanthrene
Concen: 23.163 ng
RT: 17.747 min Scan# 2461
Delta R.T. -0.007 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

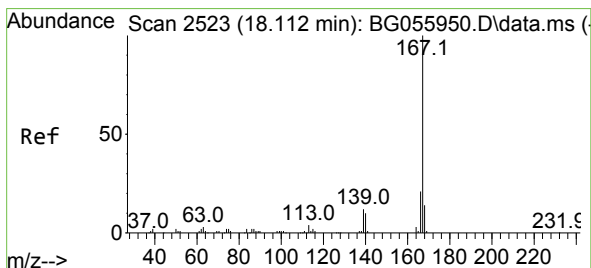
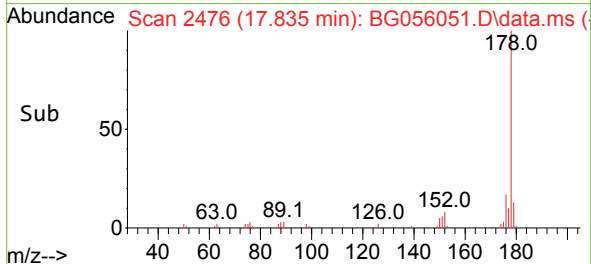
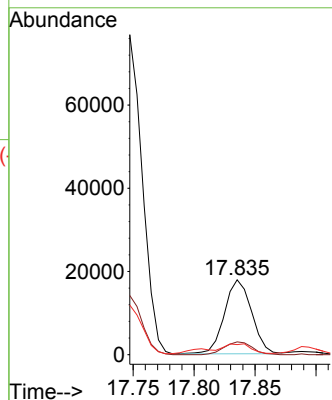
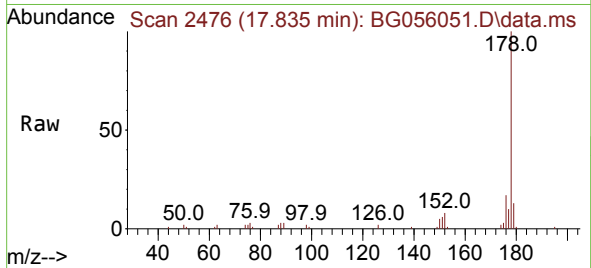
Tgt Ion:178 Resp: 113733
Ion Ratio Lower Upper
178 100
176 18.5 14.4 21.6
179 15.5 12.7 19.1





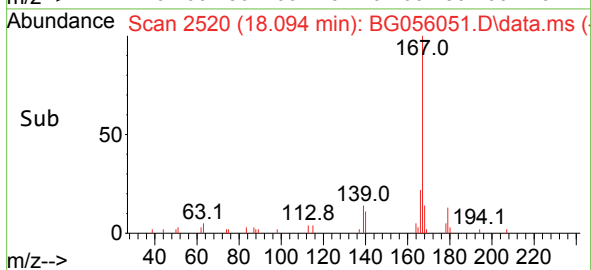
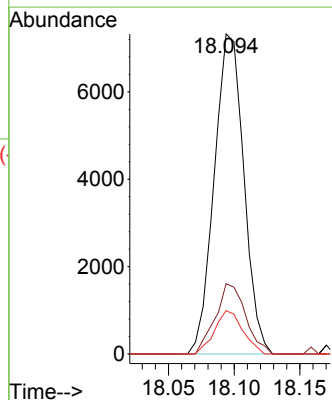
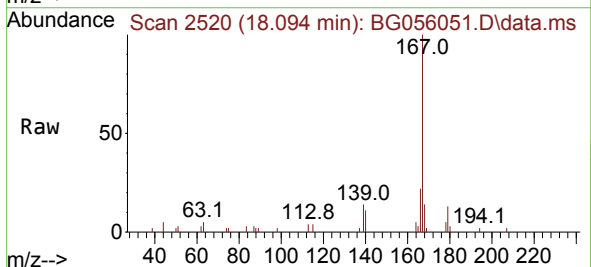
#72
 Anthracene
 Concen: 5.664 ng
 RT: 17.835 min Scan# 2476
 Delta R.T. -0.007 min
 Lab File: BG056051.D
 Acq: 21 Dec 2022 16:42

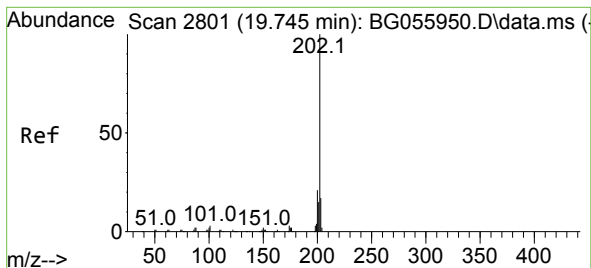
Tgt Ion:178 Resp: 27514
 Ion Ratio Lower Upper
 178 100
 176 17.2 13.9 20.9
 179 13.5 12.7 19.1



#73
 Carbazole
 Concen: 2.865 ng
 RT: 18.094 min Scan# 2520
 Delta R.T. -0.007 min
 Lab File: BG056051.D
 Acq: 21 Dec 2022 16:42

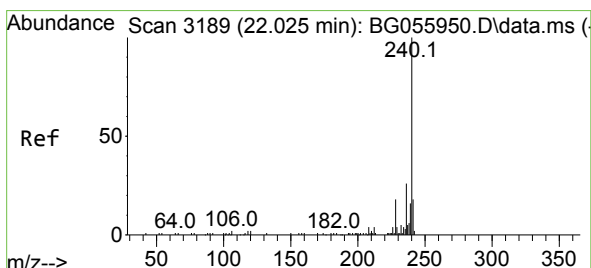
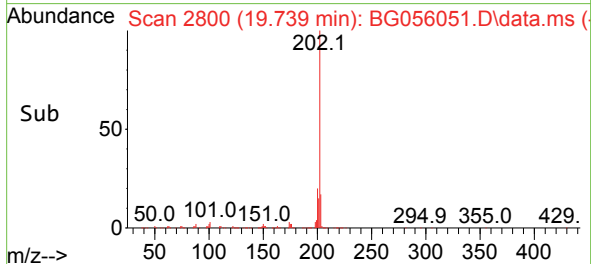
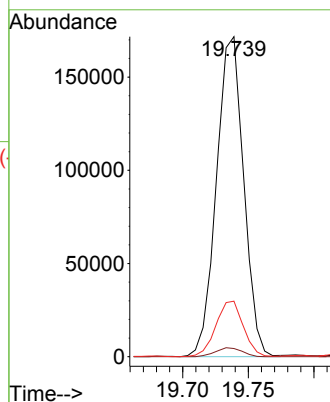
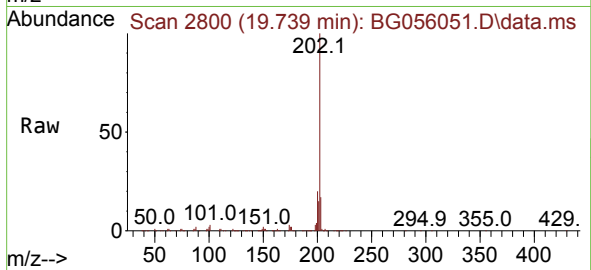
Tgt Ion:167 Resp: 11477
 Ion Ratio Lower Upper
 167 100
 166 22.0 16.6 25.0
 139 13.5 9.7 14.5





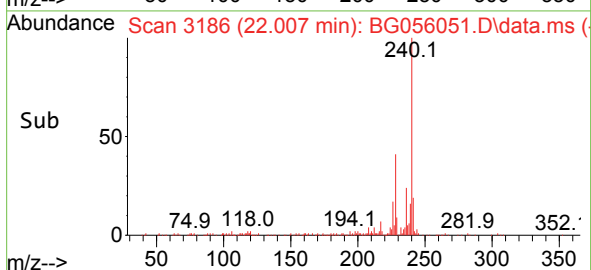
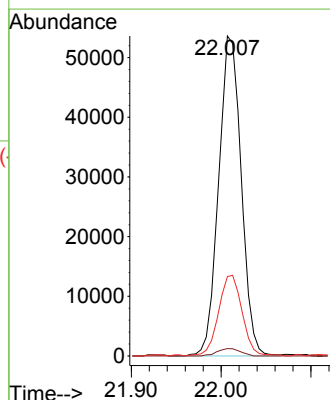
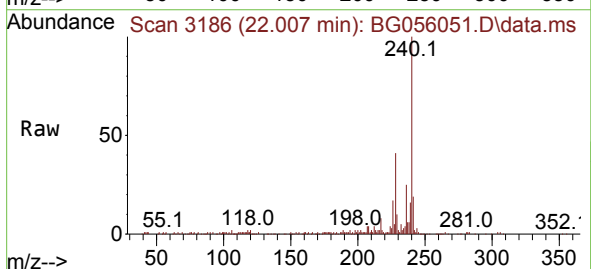
#75
Fluoranthene
Concen: 36.045 ng
RT: 19.739 min Scan# 2800
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

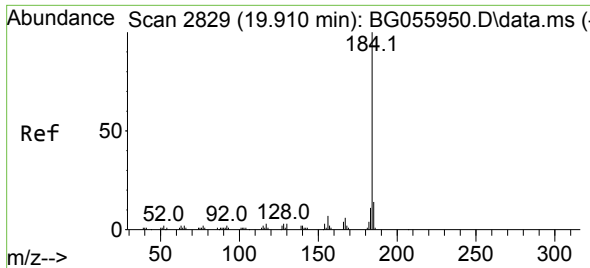
Tgt Ion:	202	Resp:	247837
Ion	Ratio	Lower	Upper
202	100		
101	2.6	0.0	22.6
203	17.4	0.0	37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.007 min Scan# 3186
Delta R.T. -0.007 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

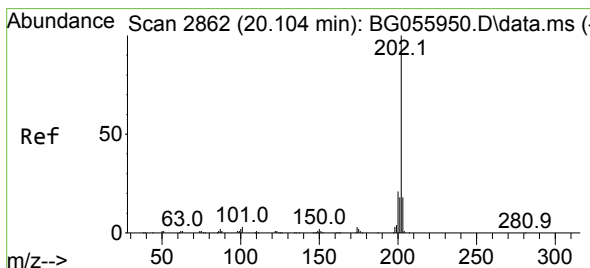
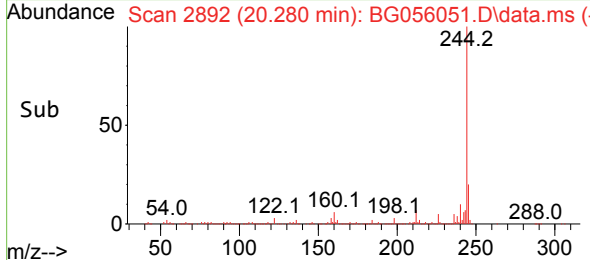
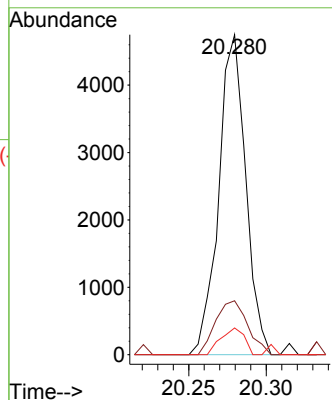
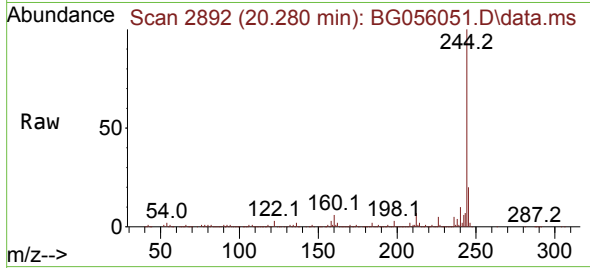
Tgt Ion:	240	Resp:	93641
Ion	Ratio	Lower	Upper
240	100		
120	2.3	1.7	2.5
236	24.8	21.1	31.7





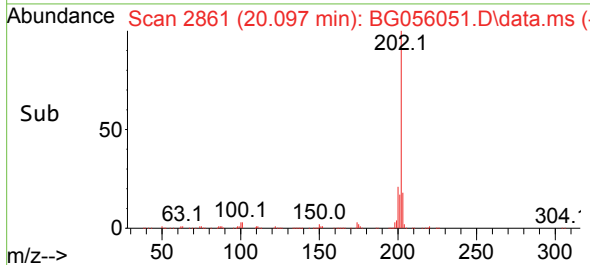
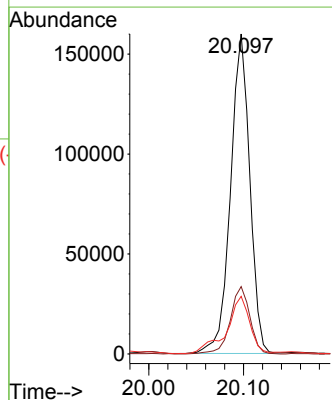
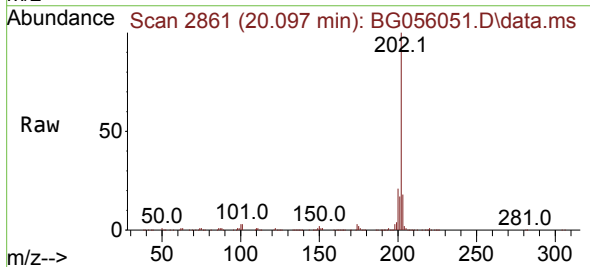
#77
Benzidine
Concen: 3.489 ng
RT: 20.280 min Scan# 2892
Delta R.T. 0.375 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

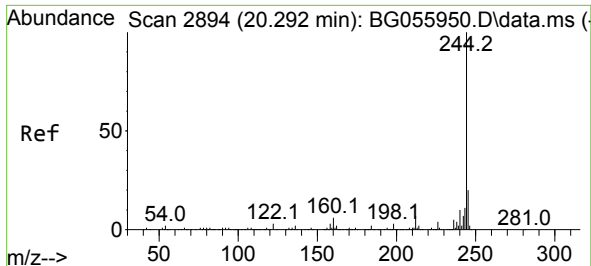
Tgt Ion:184 Resp: 5738
Ion Ratio Lower Upper
184 100
185 16.9 10.9 16.3#
183 8.4 9.2 13.8#



#78
Pyrene
Concen: 39.766 ng
RT: 20.097 min Scan# 2861
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

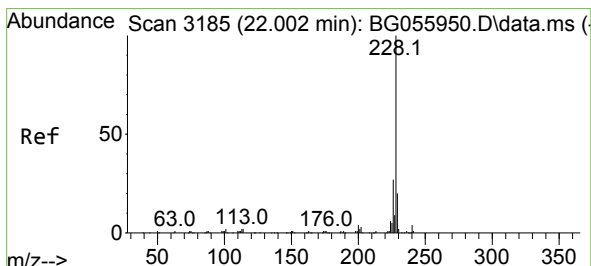
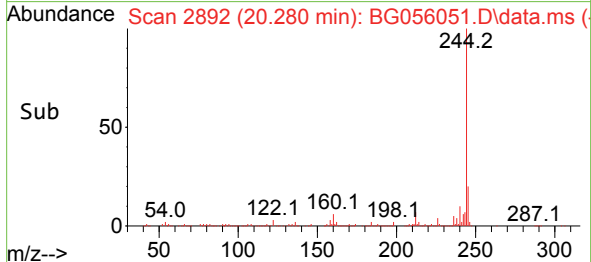
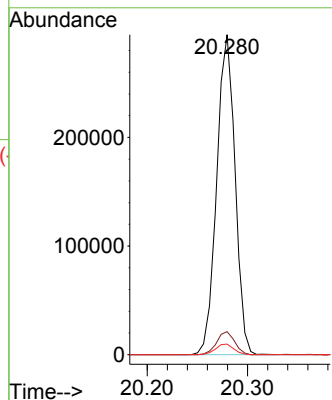
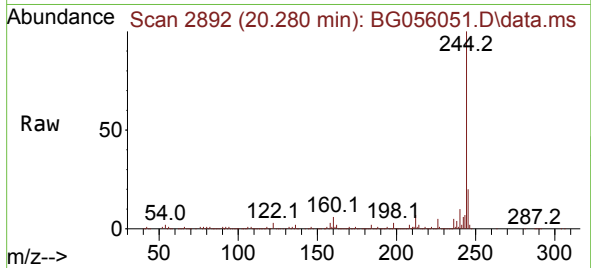
Tgt Ion:202 Resp: 225325
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 18.0 14.6 21.8





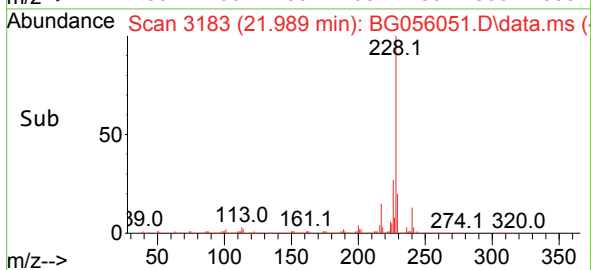
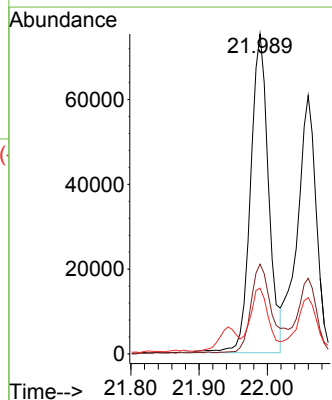
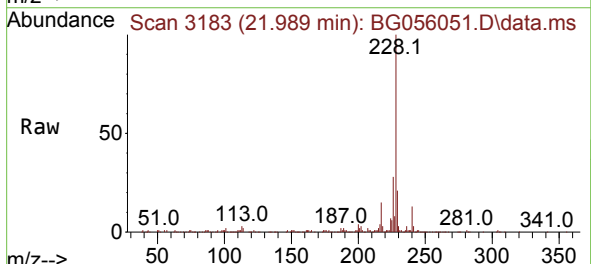
#79
 Terphenyl-d14
 Concen: 70.623 ng
 RT: 20.280 min Scan# 2892
 Delta R.T. -0.001 min
 Lab File: BG056051.D
 Acq: 21 Dec 2022 16:42

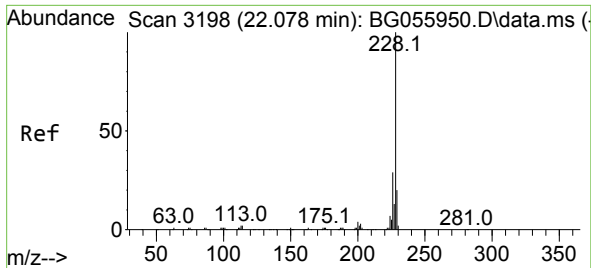
Tgt Ion:244 Resp: 374178
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 3.3 2.5 3.7



#81
 Benzo(a)anthracene
 Concen: 20.859 ng
 RT: 21.989 min Scan# 3183
 Delta R.T. -0.007 min
 Lab File: BG056051.D
 Acq: 21 Dec 2022 16:42

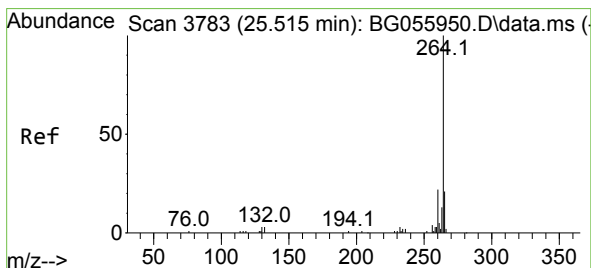
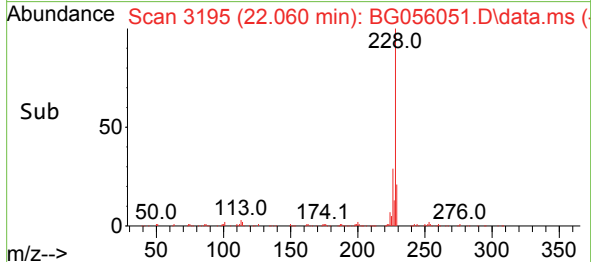
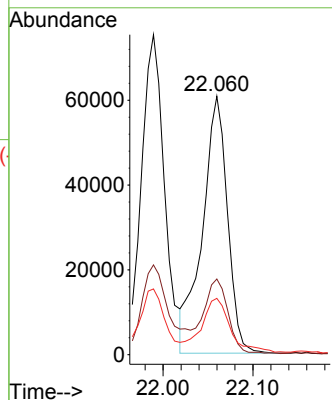
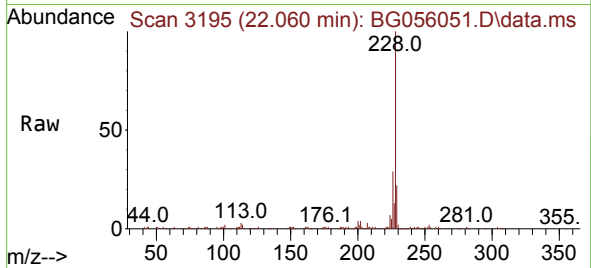
Tgt Ion:228 Resp: 137445
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.8 32.6
 229 20.6 15.9 23.9





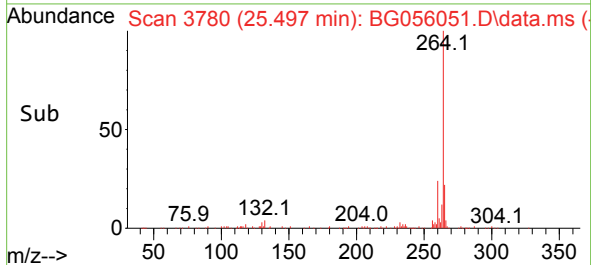
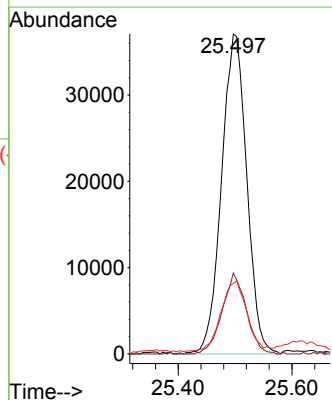
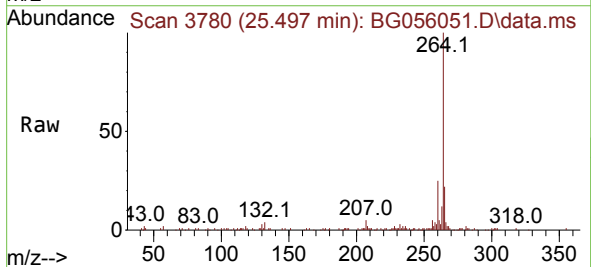
#83
Chrysene
Concen: 19.116 ng
RT: 22.060 min Scan# 3195
Delta R.T. -0.007 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

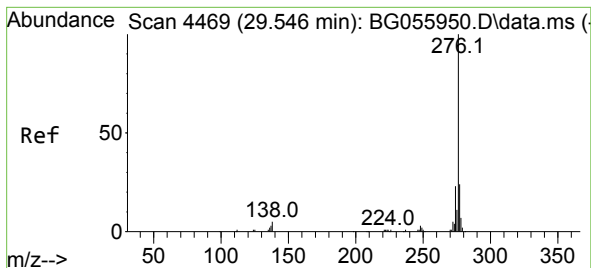
Tgt Ion:228 Resp: 118053
Ion Ratio Lower Upper
228 100
226 29.3 23.1 34.7
229 21.8 15.7 23.5



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.497 min Scan# 3780
Delta R.T. -0.001 min
Lab File: BG056051.D
Acq: 21 Dec 2022 16:42

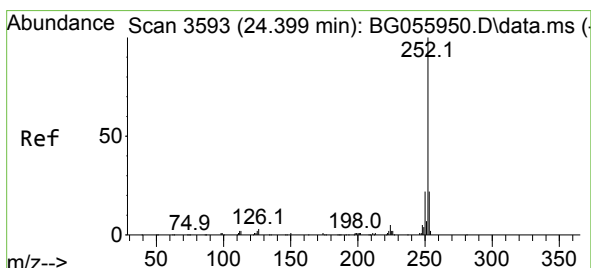
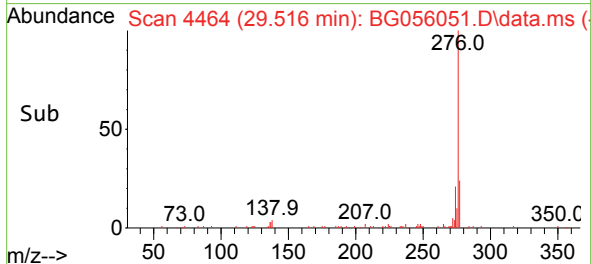
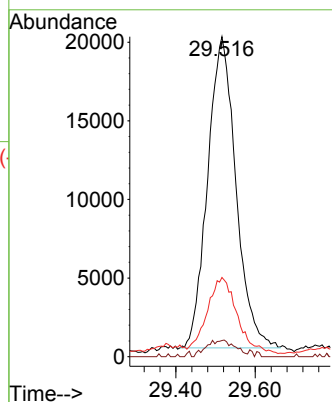
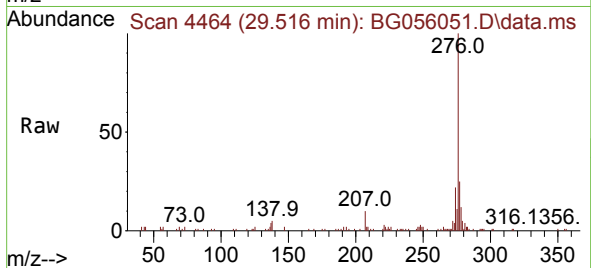
Tgt Ion:264 Resp: 114170
Ion Ratio Lower Upper
264 100
260 25.3 17.8 26.8
265 22.0 16.6 25.0





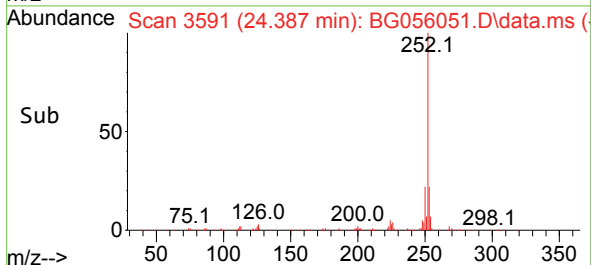
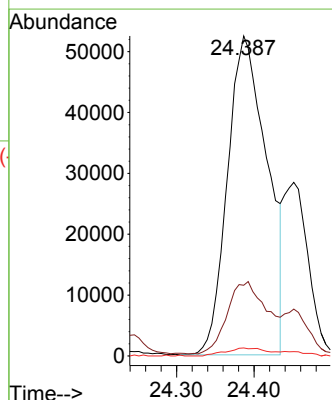
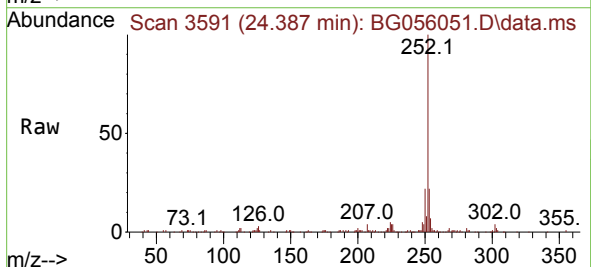
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 10.696 ng
 RT: 29.516 min Scan# 4464
 Delta R.T. -0.007 min
 Lab File: BG056051.D
 Acq: 21 Dec 2022 16:42

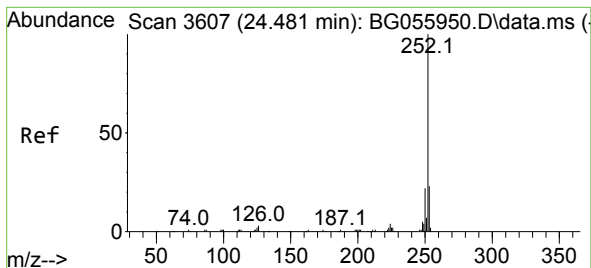
Tgt Ion:276 Resp: 98199
 Ion Ratio Lower Upper
 276 100
 138 0.0 3.0 4.4#
 277 25.8 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 25.168 ng
 RT: 24.387 min Scan# 3591
 Delta R.T. -0.001 min
 Lab File: BG056051.D
 Acq: 21 Dec 2022 16:42

Tgt Ion:252 Resp: 185965
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.4 26.0
 125 2.5 1.8 2.8





#89

Benzo(k)fluoranthene

Concen: 25.226 ng

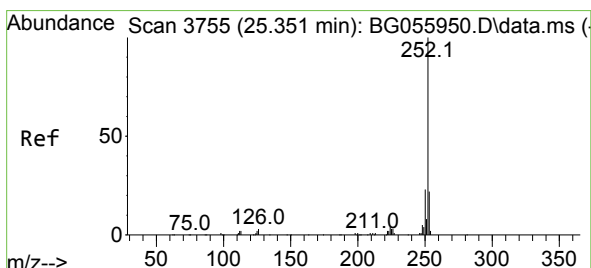
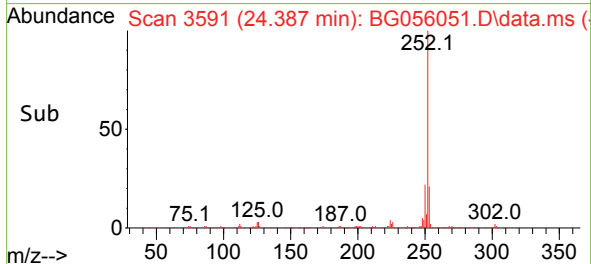
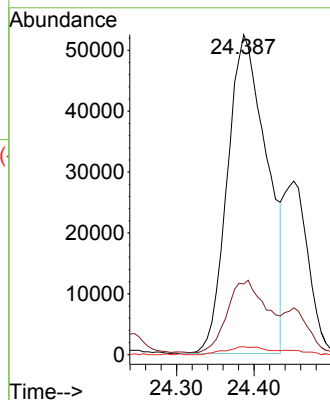
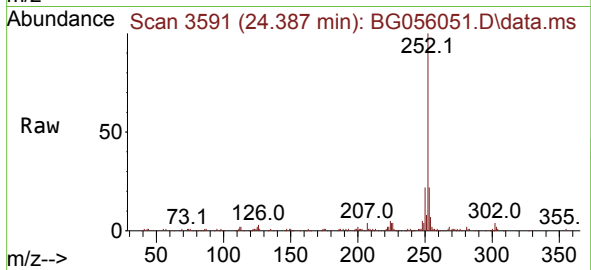
RT: 24.387 min Scan# 3591

Delta R.T. -0.077 min

Lab File: BG056051.D

Acq: 21 Dec 2022 16:42

Tgt Ion:252	Resp:	185965
Ion Ratio	Lower	Upper
252	100	
253	22.1	18.2 27.2
125	2.5	2.0 3.0



#90

Benzo(a)pyrene

Concen: 23.579 ng

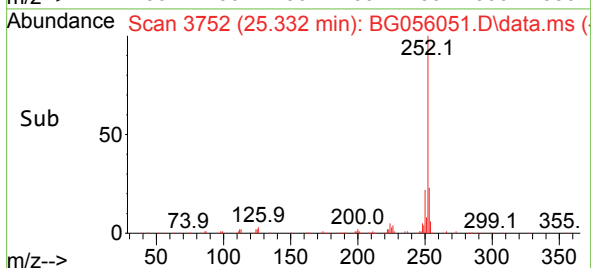
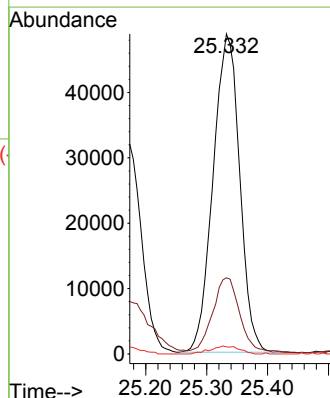
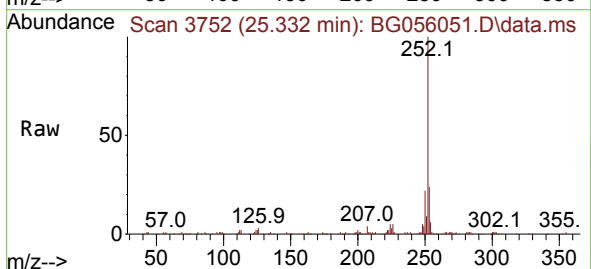
RT: 25.332 min Scan# 3752

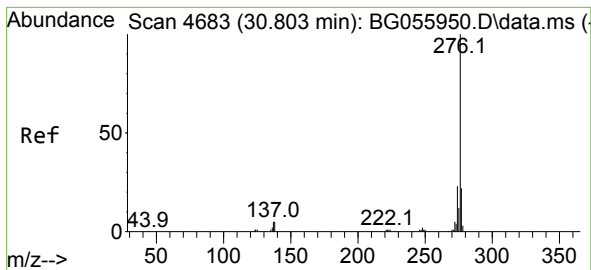
Delta R.T. -0.001 min

Lab File: BG056051.D

Acq: 21 Dec 2022 16:42

Tgt Ion:252	Resp:	147269
Ion Ratio	Lower	Upper
252	100	
253	23.8	17.7 26.5
125	2.2	1.9 2.9





#92
 Benzo(g,h,i)perylene
 Concen: 13.918 ng
 RT: 30.773 min Scan# 4678
 Delta R.T. -0.018 min
 Lab File: BG056051.D
 Acq: 21 Dec 2022 16:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.9	17.8	26.6
138	6.4	3.8	5.6

