

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
 Data File : BG056046.D
 Acq On : 21 Dec 2022 13:17
 Operator : CG/JU
 Sample : N6038-26
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 22 01:23:19 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

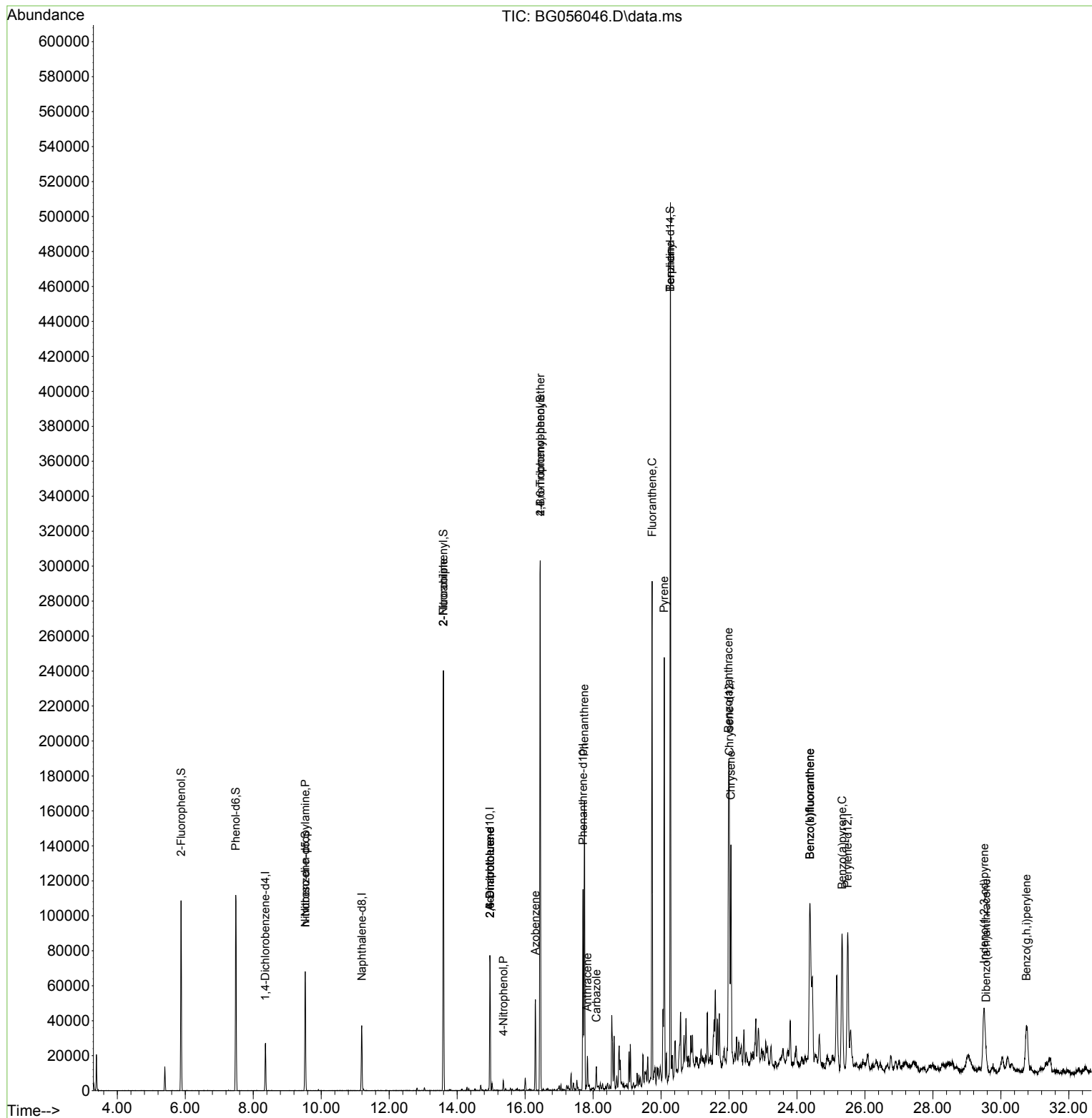
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

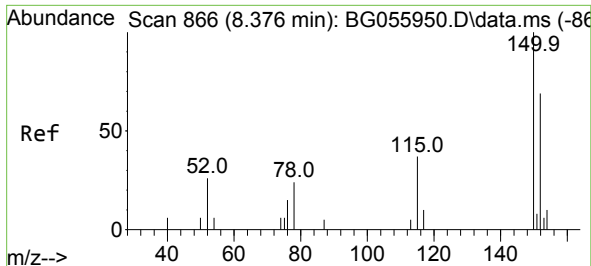
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.356	152	8681	20.000	ng	0.00
21) Naphthalene-d8	11.194	136	33334	20.000	ng	# 0.00
39) Acenaphthene-d10	14.966	164	31078	20.000	ng	0.00
64) Phenanthrene-d10	17.704	188	84272	20.000	ng	# 0.00
76) Chrysene-d12	22.010	240	85334	20.000	ng	0.00
86) Perylene-d12	25.494	264	103596	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.876	112	43086	116.397	ng	0.00
7) Phenol-d6	7.486	99	54348	114.157	ng	0.00
23) Nitrobenzene-d5	9.531	82	36019	75.511	ng	0.00
42) 2,4,6-Tribromophenol	16.446	330	79881	106.596	ng	0.00
45) 2-Fluorobiphenyl	13.597	172	128839	58.142	ng	0.00
79) Terphenyl-d14	20.277	244	265122	54.911	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.531	70	5535	16.220	ng	# 63
48) 2-Nitroaniline	13.597	65	69	3.007	ng	# 1
51) 2,6-Dinitrotoluene	14.972	165	3877	9.324	ng	# 25
56) 4-Nitrophenol	15.359	139	1678	4.951	ng	# 1
57) 2,4-Dinitrotoluene	14.972	165	3877	6.177	ng	# 35
63) Azobenzene	16.305	77	13105	8.199	ng	# 8
67) 4-Bromophenyl-phenylether	16.446	248	4364	3.534	ng	# 1
71) Phenanthrene	17.745	178	118764	26.892	ng	99
72) Anthracene	17.833	178	15296	3.501	ng	98
73) Carbazole	18.097	167	10779	2.991	ng	96
75) Fluoranthene	19.737	202	201624	32.603	ng	100
77) Benzidine	20.277	184	4185	2.793	ng	# 89
78) Pyrene	20.095	202	173324	33.566	ng	98
81) Benzo(a)anthracene	21.987	228	106848	17.794	ng	98
83) Chrysene	22.057	228	103461	18.384	ng	96
87) Indeno(1,2,3-cd)pyrene	29.507	276	79896	9.591	ng	# 92
88) Benzo(b)fluoranthene	24.384	252	151501	22.597	ng	99
89) Benzo(k)fluoranthene	24.384	252	151501	22.648	ng	# 99
90) Benzo(a)pyrene	25.330	252	107814	19.024	ng	98
91) Dibenzo(a,h)anthracene	29.566	278	22940	3.290	ng	# 95
92) Benzo(g,h,i)perylene	30.753	276	72831	10.803	ng	96

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

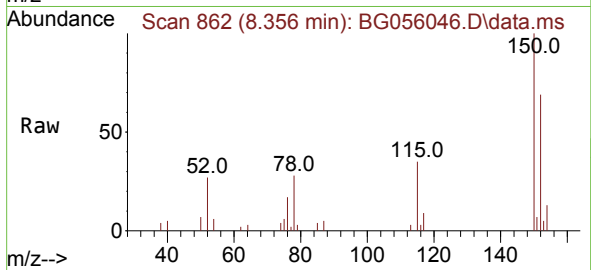
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
Data File : BG056046.D
Acq On : 21 Dec 2022 13:17
Operator : CG/JU
Sample : N6038-26
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 22 01:23:19 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

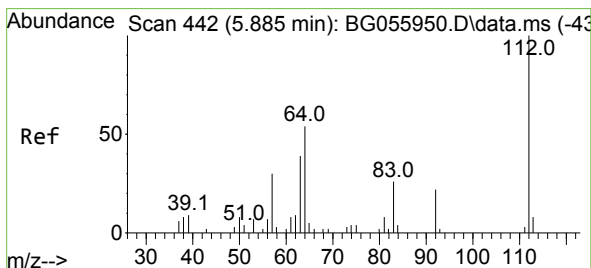
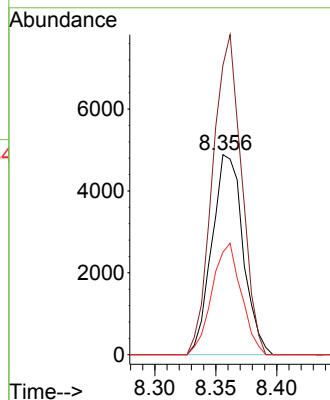
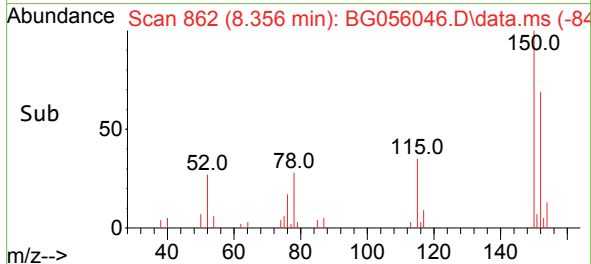




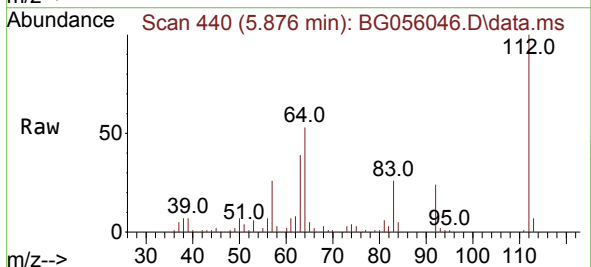
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.356 min Scan# 862
Delta R.T. -0.009 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17



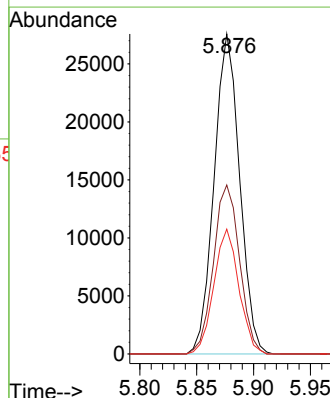
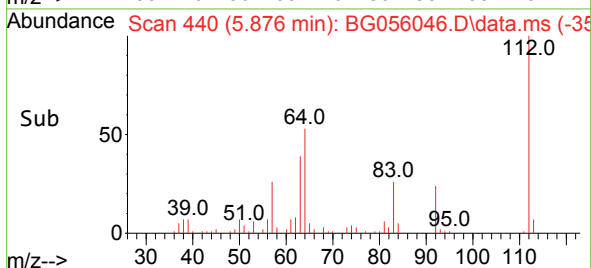
Tgt Ion:152 Resp: 8681
Ion Ratio Lower Upper
152 100
150 144.6 115.7 173.5
115 51.3 43.0 64.4

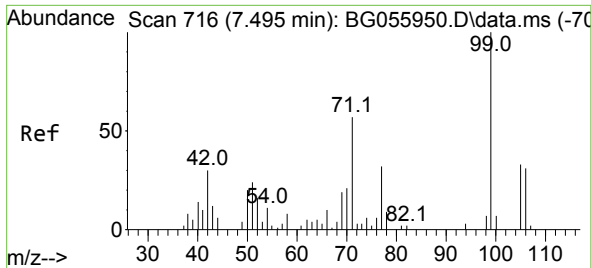


#5
2-Fluorophenol
Concen: 116.397 ng
RT: 5.876 min Scan# 440
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17



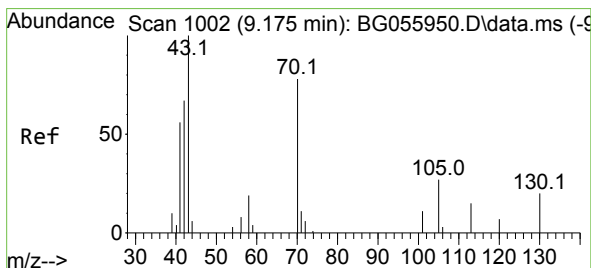
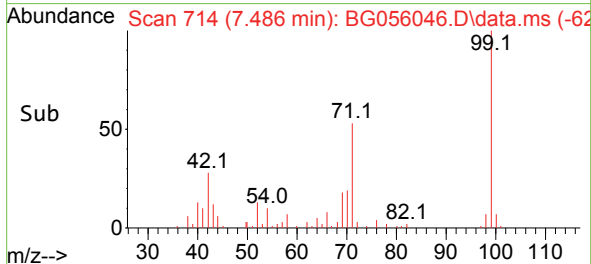
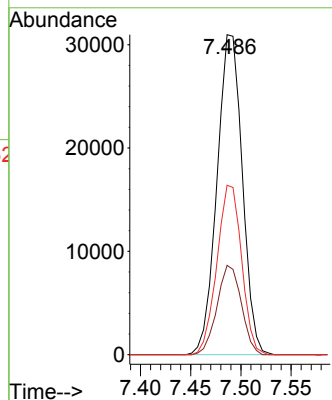
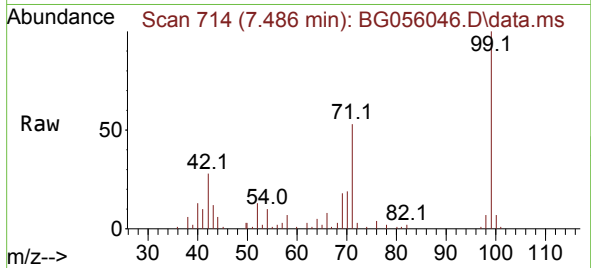
Tgt Ion:112 Resp: 43086
Ion Ratio Lower Upper
112 100
64 52.8 43.0 64.4
63 39.0 31.4 47.2





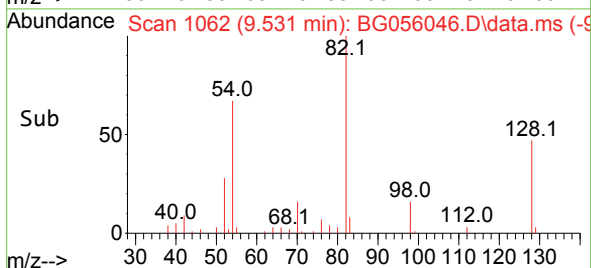
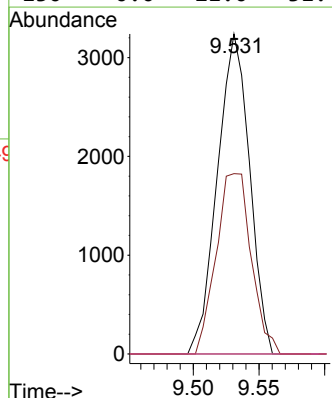
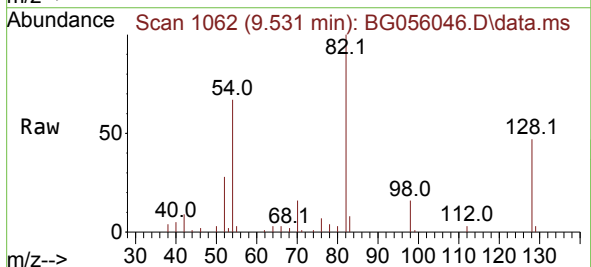
#7
Phenol-d6
Concen: 114.157 ng
RT: 7.486 min Scan# 714
Delta R.T. -0.009 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

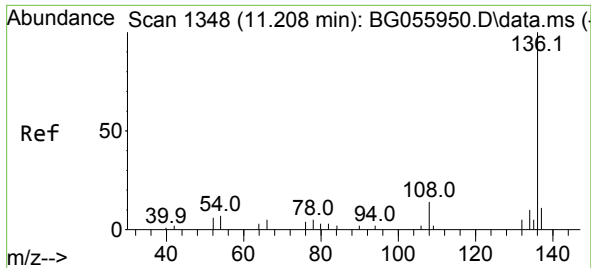
Tgt Ion: 99 Resp: 54348
Ion Ratio Lower Upper
99 100
42 27.9 24.3 36.5
71 52.9 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 16.220 ng
RT: 9.531 min Scan# 1062
Delta R.T. 0.361 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

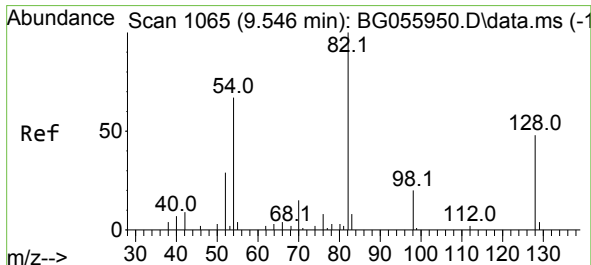
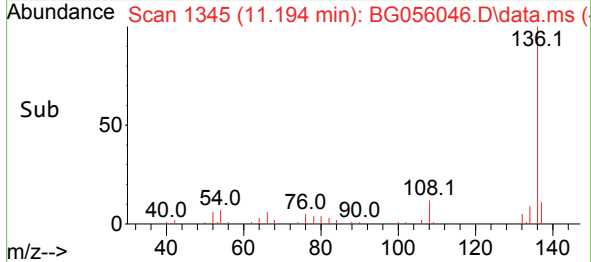
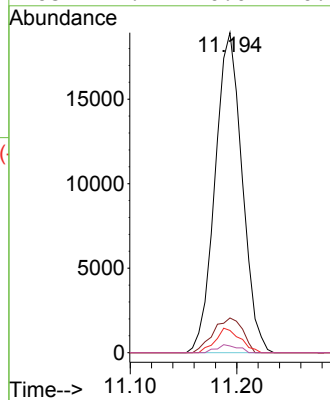
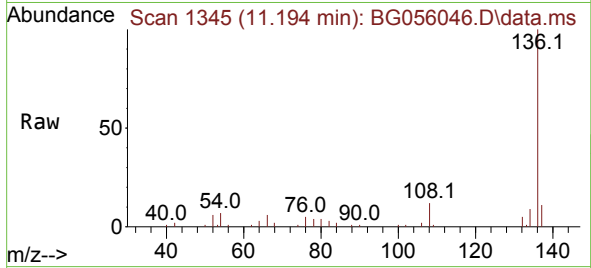
Tgt Ion: 70 Resp: 5535
Ion Ratio Lower Upper
70 100
42 56.4 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#





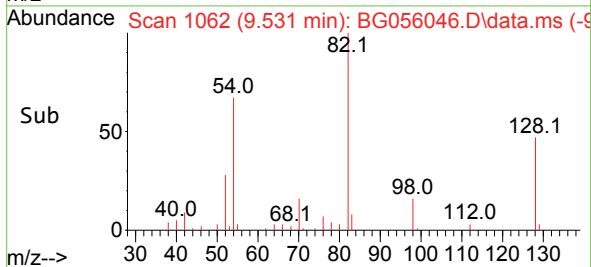
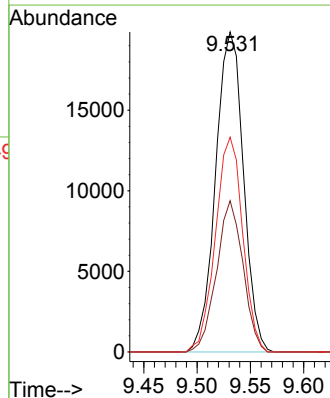
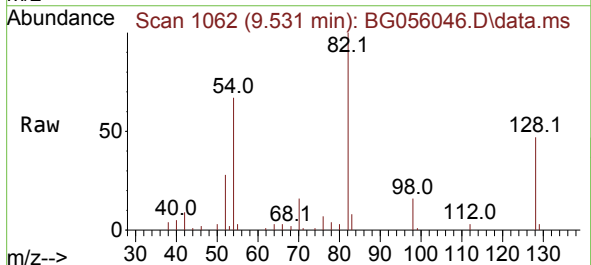
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.194 min Scan# 1345
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

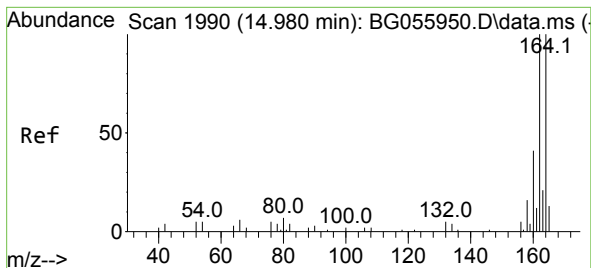
Tgt Ion:136	Resp:	33334
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.2 13.8
54	7.0	5.6 8.4
68	2.1	0.0 0.0#



#23
Nitrobenzene-d5
Concen: 75.511 ng
RT: 9.531 min Scan# 1062
Delta R.T. -0.009 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

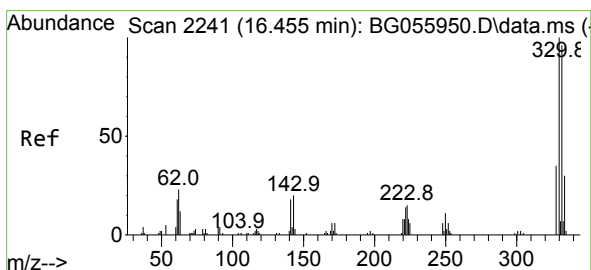
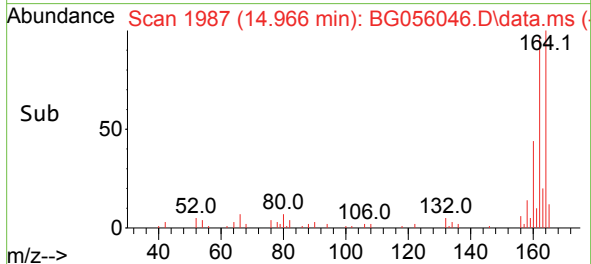
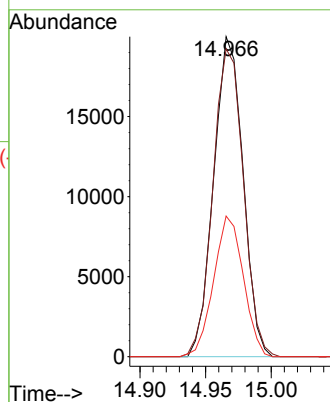
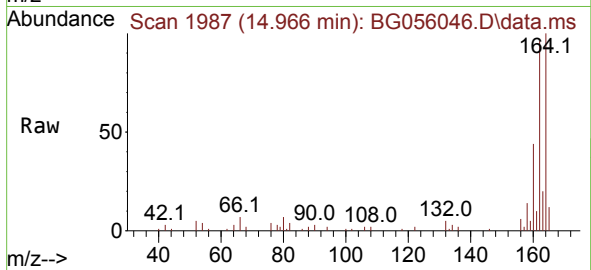
Tgt Ion: 82	Resp:	36019
Ion Ratio	Lower	Upper
82	100	
128	47.2	38.4 57.6
54	67.1	53.3 79.9





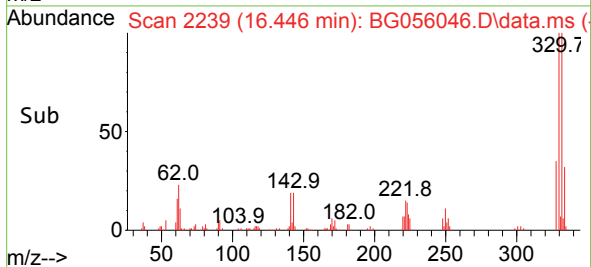
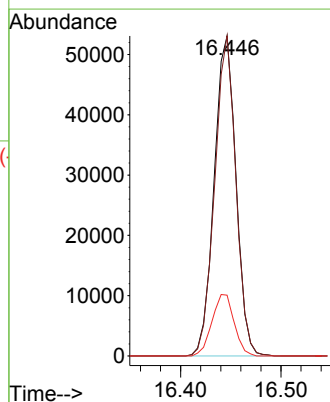
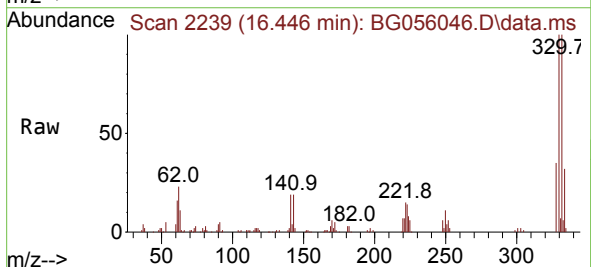
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.966 min Scan# 1987
Delta R.T. -0.009 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

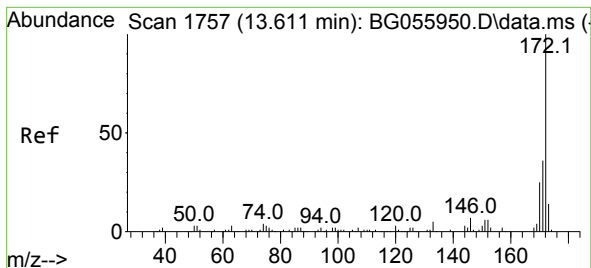
Tgt Ion:164 Resp: 31078
Ion Ratio Lower Upper
164 100
162 96.2 79.8 119.8
160 44.0 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 106.596 ng
RT: 16.446 min Scan# 2239
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

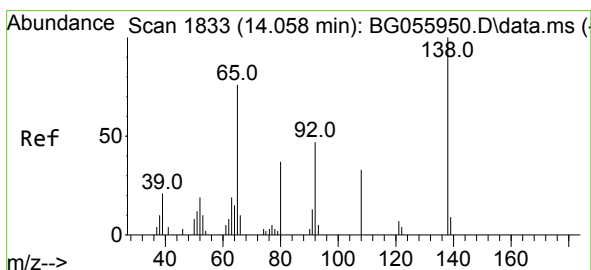
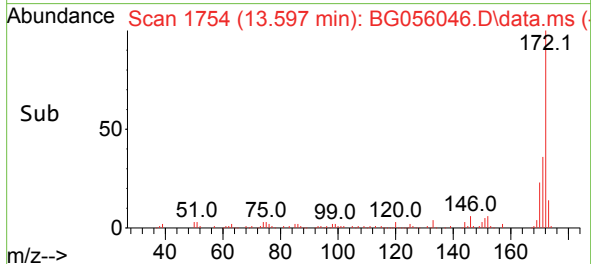
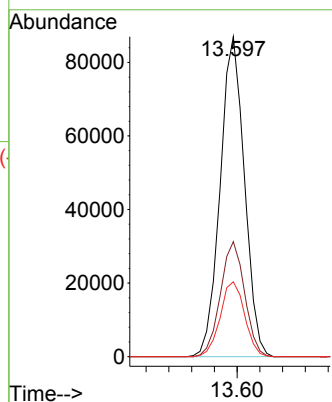
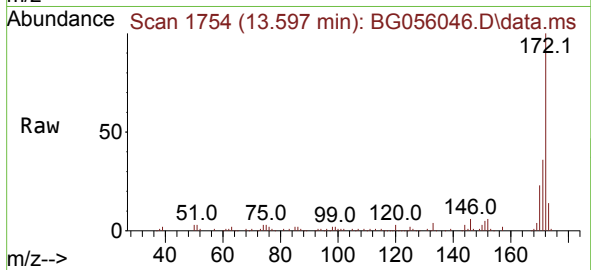
Tgt Ion:330 Resp: 79881
Ion Ratio Lower Upper
330 100
332 97.2 76.6 114.8
141 19.6 15.0 22.4





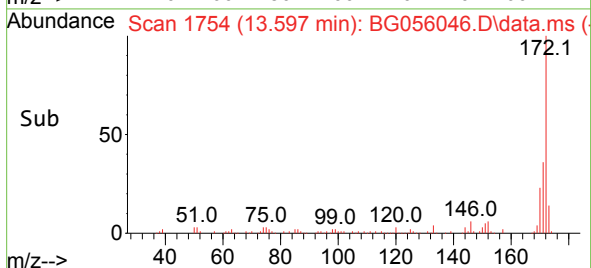
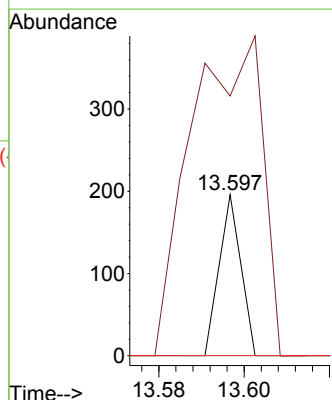
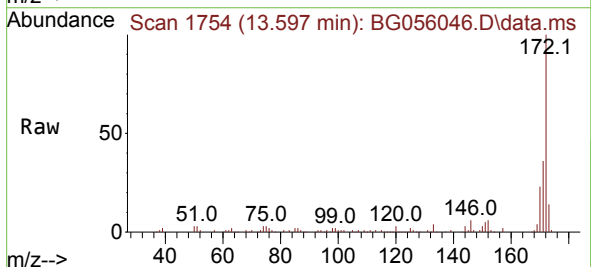
#45
2-Fluorobiphenyl
Concen: 58.142 ng
RT: 13.597 min Scan# 1754
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

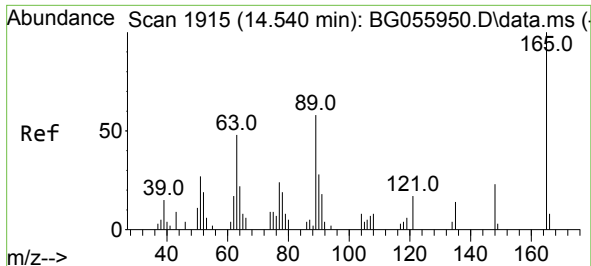
Tgt Ion:172 Resp: 128839
Ion Ratio Lower Upper
172 100
171 36.0 28.6 42.8
170 23.4 19.9 29.9



#48
2-Nitroaniline
Concen: 3.007 ng
RT: 13.597 min Scan# 1754
Delta R.T. -0.456 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

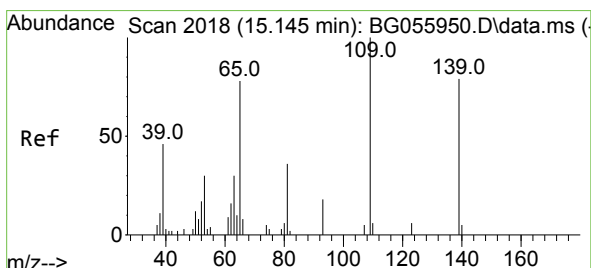
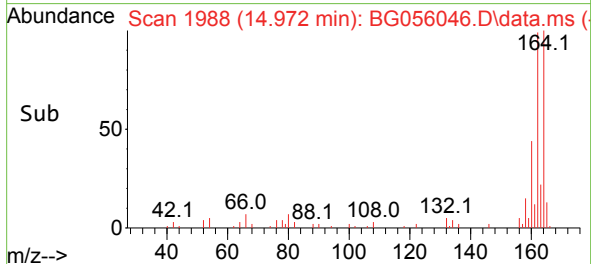
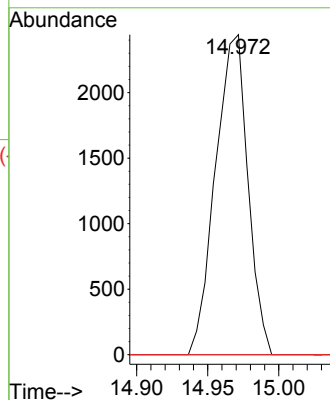
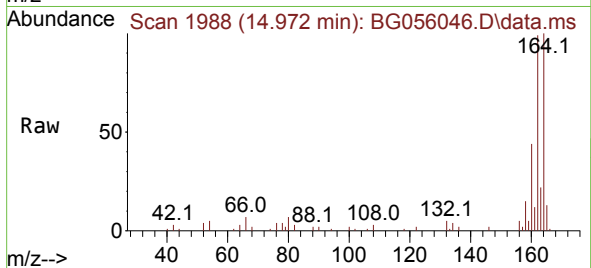
Tgt Ion: 65 Resp: 69
Ion Ratio Lower Upper
65 100
92 161.2 49.7 74.5#
138 0.0 105.0 157.6#





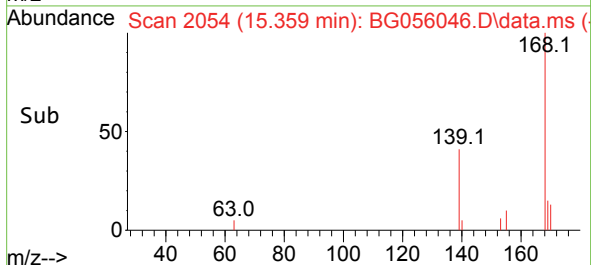
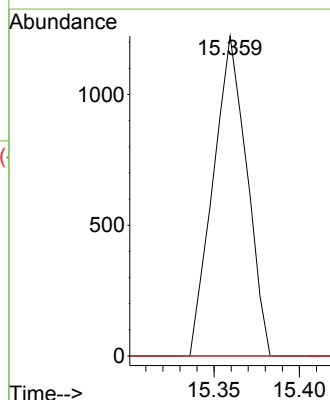
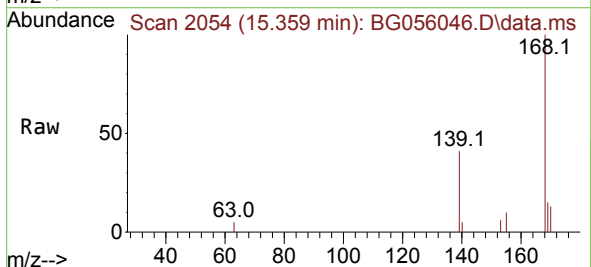
#51
2,6-Dinitrotoluene
Concen: 9.324 ng
RT: 14.972 min Scan# 1988
Delta R.T. 0.438 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

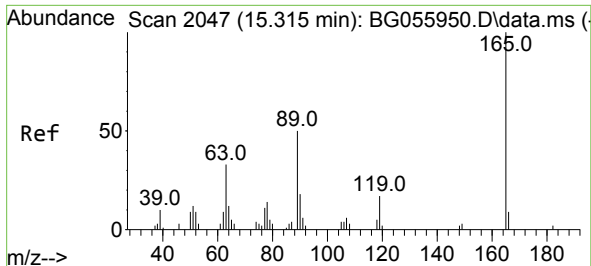
Tgt Ion:165 Resp: 3877
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#



#56
4-Nitrophenol
Concen: 4.951 ng
RT: 15.359 min Scan# 2054
Delta R.T. 0.214 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

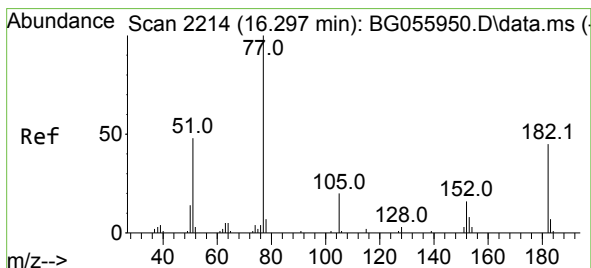
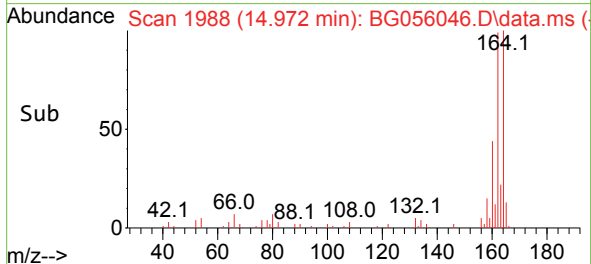
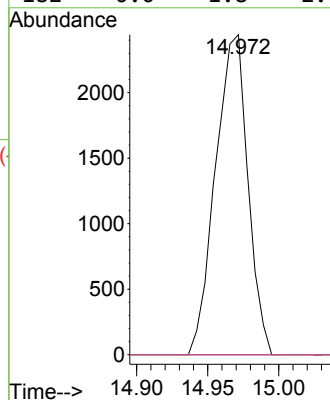
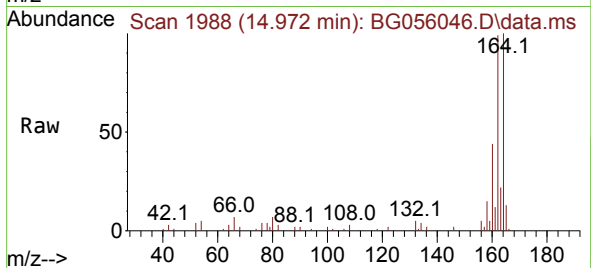
Tgt Ion:139 Resp: 1678
Ion Ratio Lower Upper
139 100
109 0.0 106.7 146.7#
65 0.0 79.2 119.2#





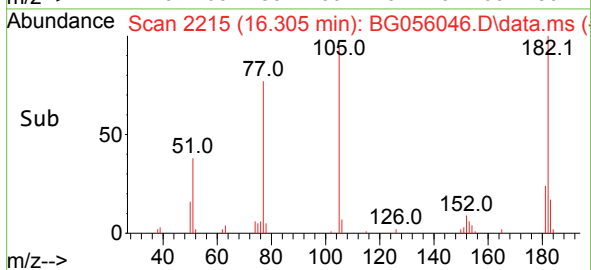
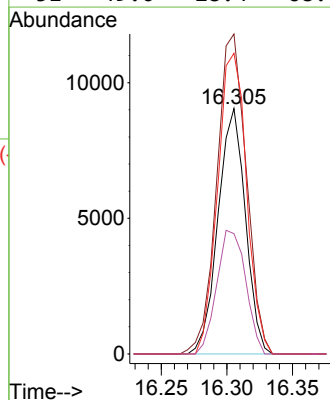
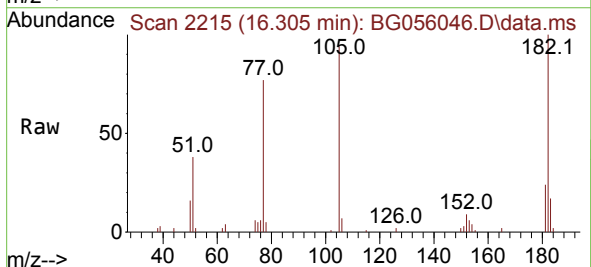
#57
2,4-Dinitrotoluene
Concen: 6.177 ng
RT: 14.972 min Scan# 1988
Delta R.T. -0.344 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

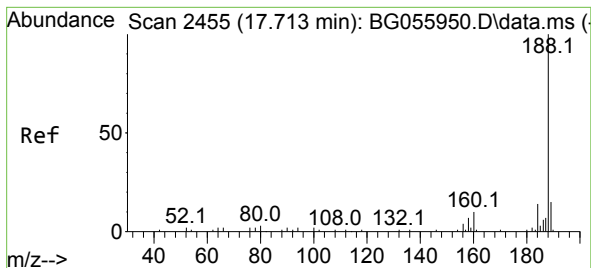
Tgt Ion:165	Resp:	3877
Ion	Ratio	Lower Upper
165	100	
63	0.0	26.6 39.8#
89	0.0	40.1 60.1#
182	0.0	1.8 2.6#



#63
Azobenzene
Concen: 8.199 ng
RT: 16.305 min Scan# 2215
Delta R.T. 0.014 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

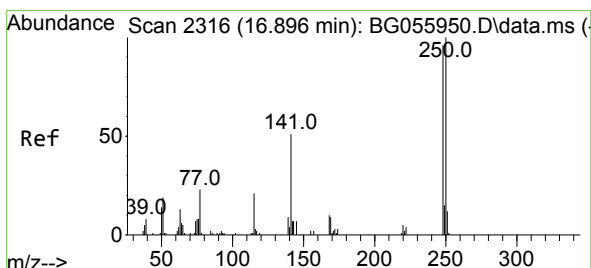
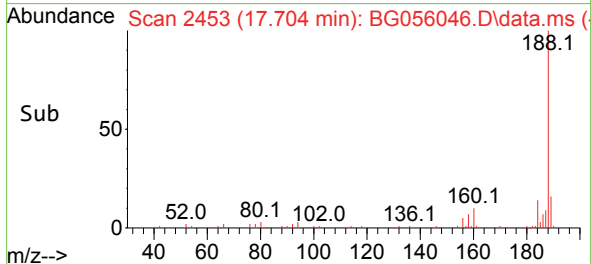
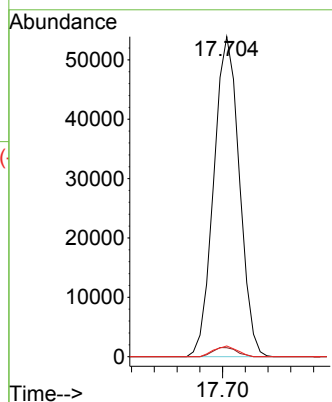
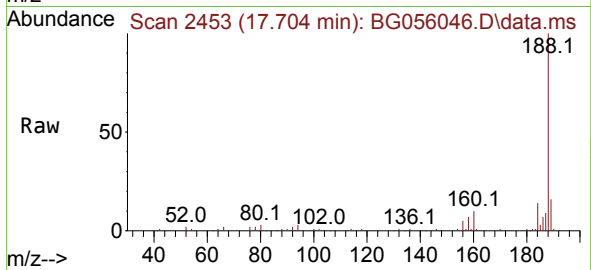
Tgt Ion: 77	Resp:	13105
Ion	Ratio	Lower Upper
77	100	
182	130.3	24.7 64.7#
105	122.5	0.3 40.3#
51	49.0	28.4 68.4





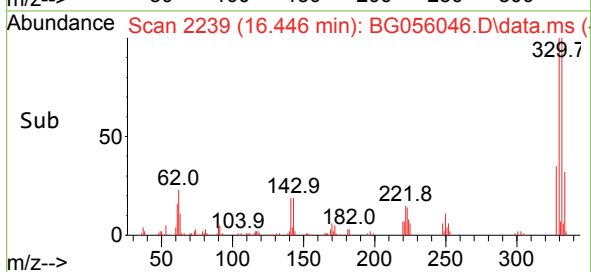
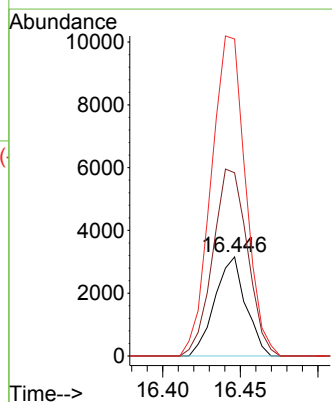
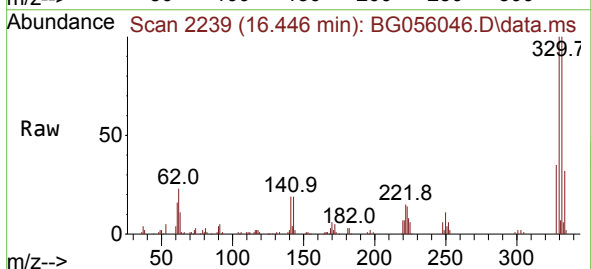
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.704 min Scan# 2453
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

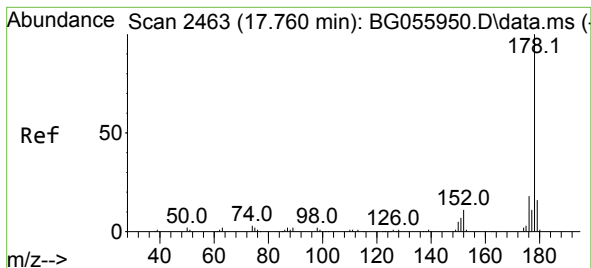
Tgt Ion:188 Resp: 84272
Ion Ratio Lower Upper
188 100
94 2.8 1.8 2.8#
80 3.4 2.4 3.6



#67
4-Bromophenyl-phenylether
Concen: 3.534 ng
RT: 16.446 min Scan# 2239
Delta R.T. -0.444 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

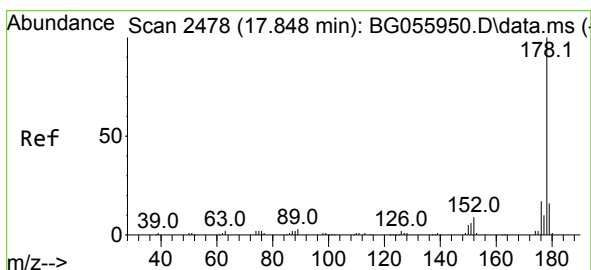
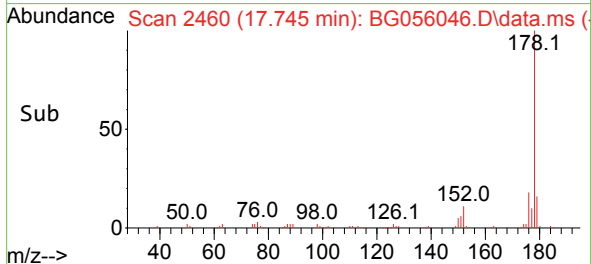
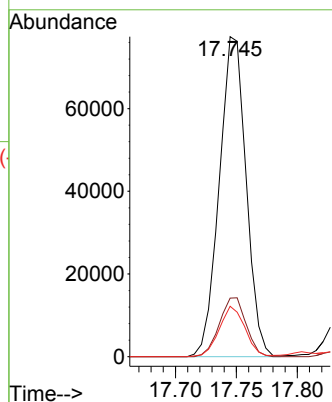
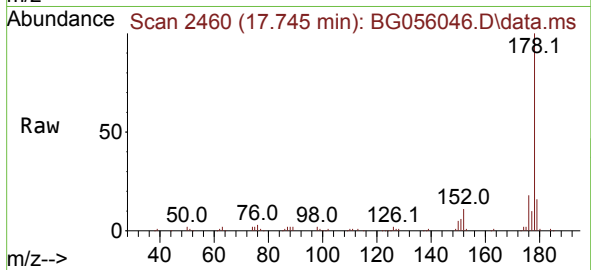
Tgt Ion:248 Resp: 4364
Ion Ratio Lower Upper
248 100
250 185.0 83.0 124.6#
141 319.9 42.6 64.0#





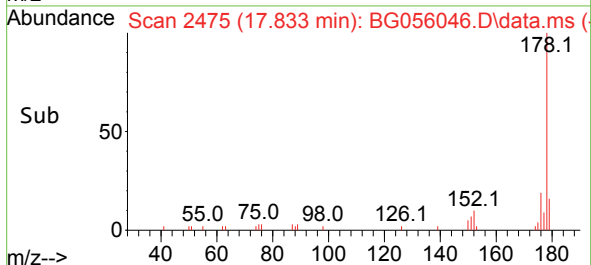
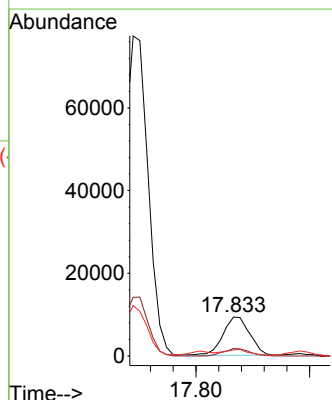
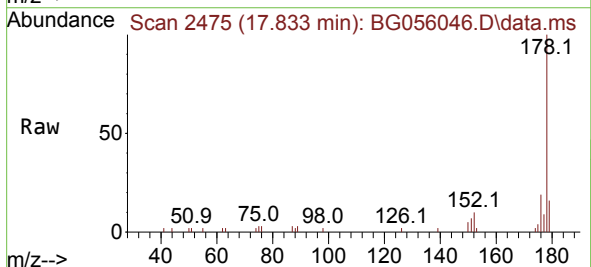
#71
Phenanthrene
Concen: 26.892 ng
RT: 17.745 min Scan# 2460
Delta R.T. -0.009 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

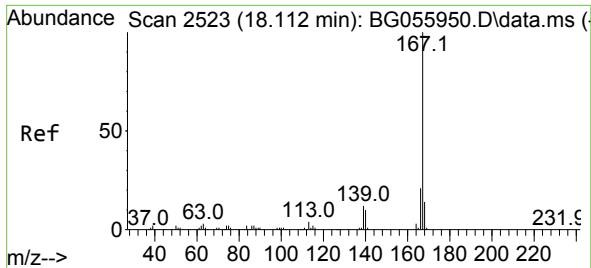
Tgt Ion:178 Resp: 118764
Ion Ratio Lower Upper
178 100
176 18.3 14.4 21.6
179 15.7 12.7 19.1



#72
Anthracene
Concen: 3.501 ng
RT: 17.833 min Scan# 2475
Delta R.T. -0.009 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

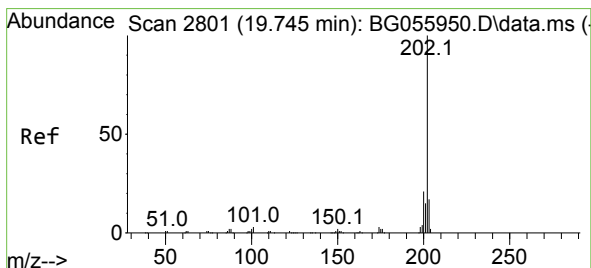
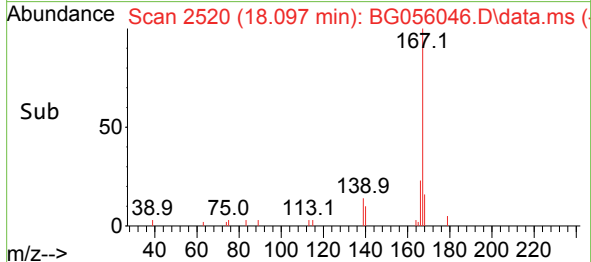
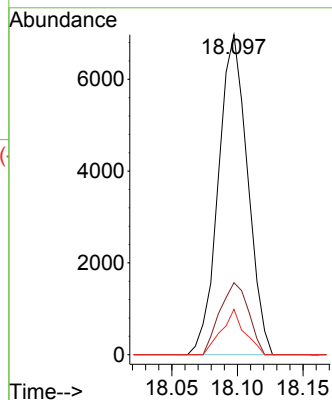
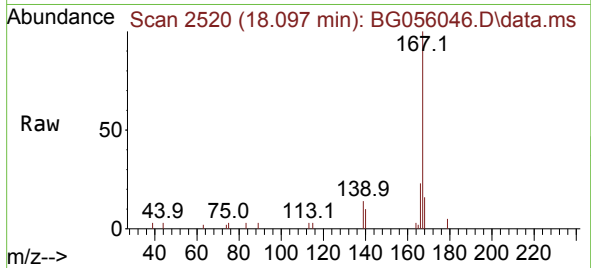
Tgt Ion:178 Resp: 15296
Ion Ratio Lower Upper
178 100
176 18.8 13.9 20.9
179 15.6 12.7 19.1





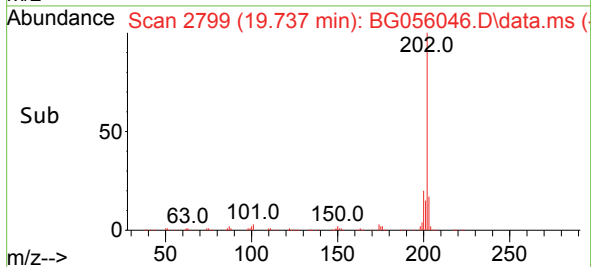
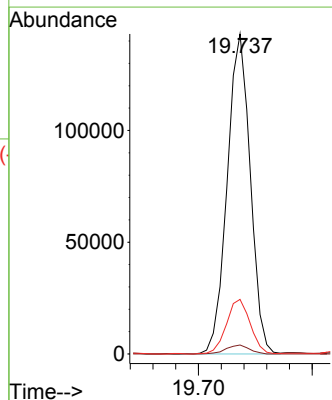
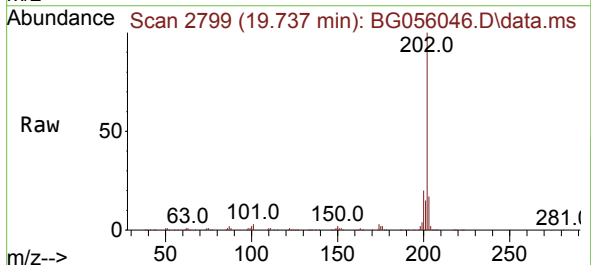
#73
 Carbazole
 Concen: 2.991 ng
 RT: 18.097 min Scan# 2520
 Delta R.T. -0.003 min
 Lab File: BG056046.D
 Acq: 21 Dec 2022 13:17

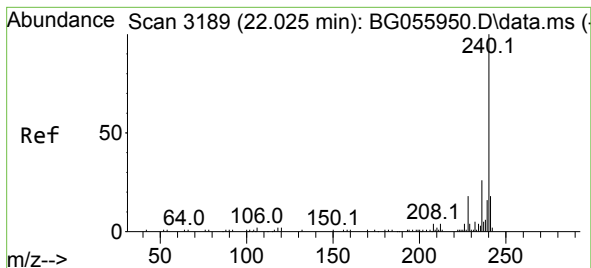
Tgt Ion:167	Resp:	10779
Ion Ratio	Lower	Upper
167	100	
166	22.5	16.6 25.0
139	14.2	9.7 14.5



#75
 Fluoranthene
 Concen: 32.603 ng
 RT: 19.737 min Scan# 2799
 Delta R.T. -0.003 min
 Lab File: BG056046.D
 Acq: 21 Dec 2022 13:17

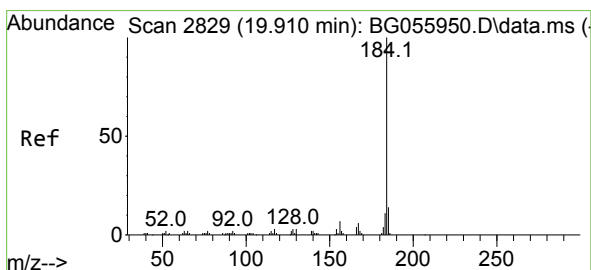
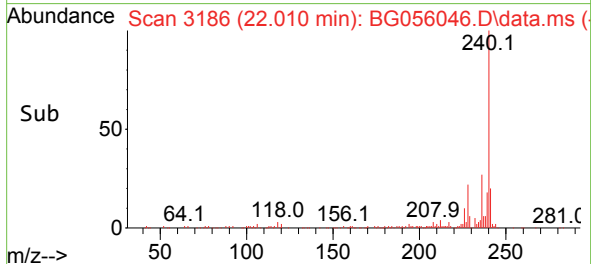
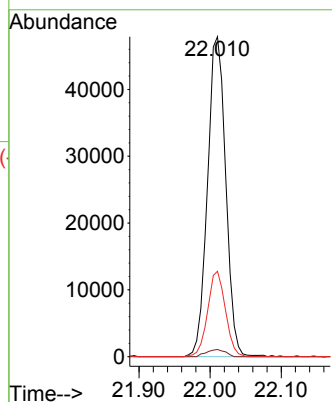
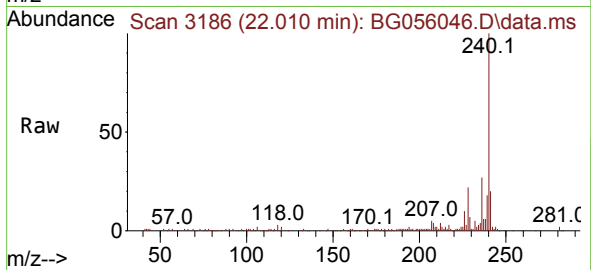
Tgt Ion:202	Resp:	201624
Ion Ratio	Lower	Upper
202	100	
101	2.8	0.0 22.6
203	17.1	0.0 37.1





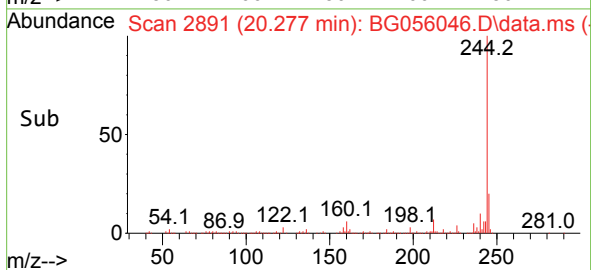
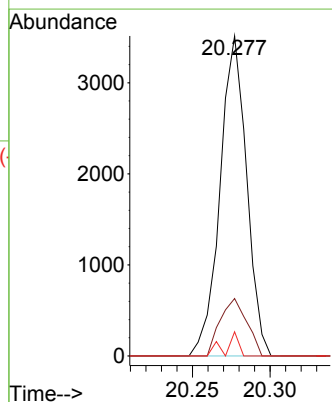
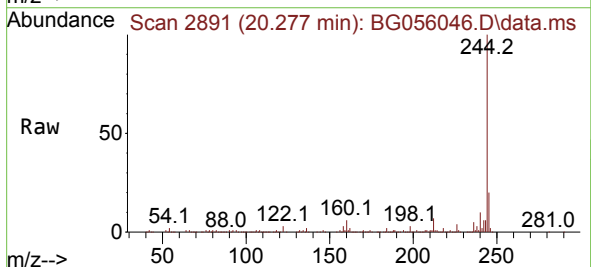
#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.010 min Scan# 3186
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

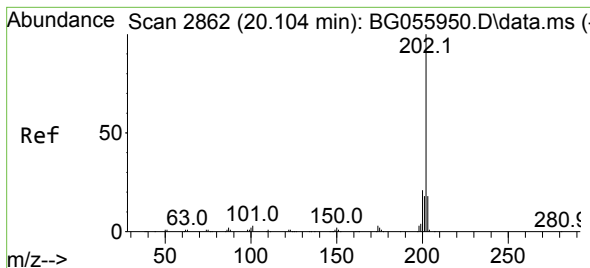
Tgt Ion:240 Resp: 85334
Ion Ratio Lower Upper
240 100
120 2.3 1.7 2.5
236 26.7 21.1 31.7



#77
Benzidine
Concen: 2.793 ng
RT: 20.277 min Scan# 2891
Delta R.T. 0.373 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

Tgt Ion:184 Resp: 4185
Ion Ratio Lower Upper
184 100
185 18.0 10.9 16.3#
183 7.6 9.2 13.8#





#78

Pyrene

Concen: 33.566 ng

RT: 20.095 min Scan# 2860

Delta R.T. -0.003 min

Lab File: BG056046.D

Acq: 21 Dec 2022 13:17

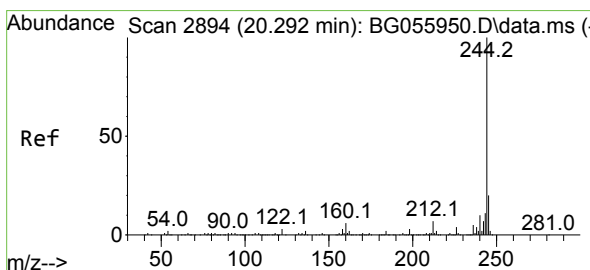
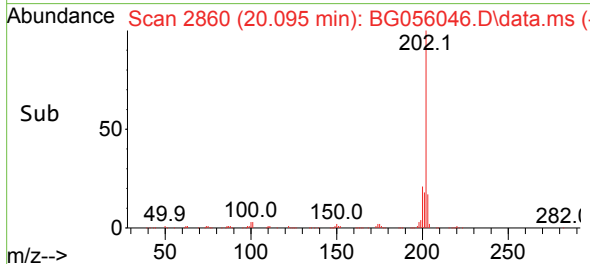
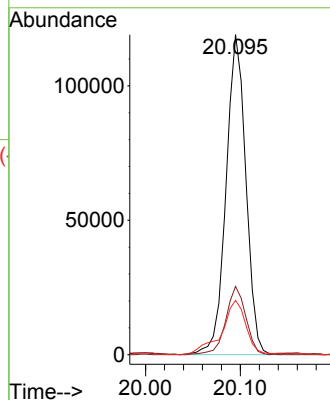
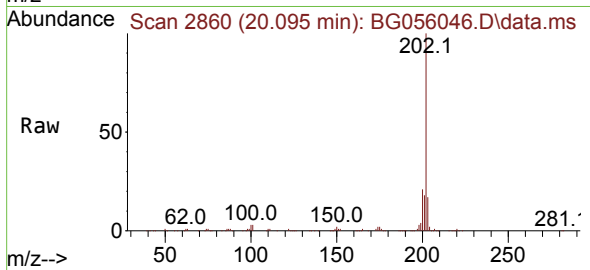
Tgt Ion:202 Resp: 173324

Ion Ratio Lower Upper

202 100

200 21.3 16.7 25.1

203 17.0 14.6 21.8



#79

Terphenyl-d14

Concen: 54.911 ng

RT: 20.277 min Scan# 2891

Delta R.T. -0.003 min

Lab File: BG056046.D

Acq: 21 Dec 2022 13:17

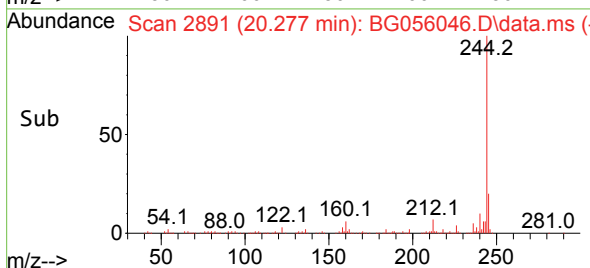
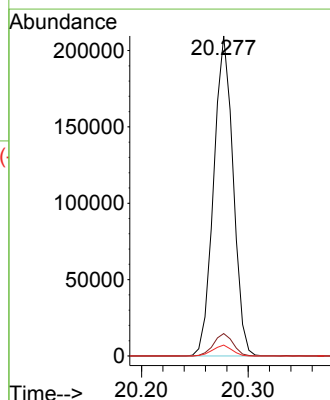
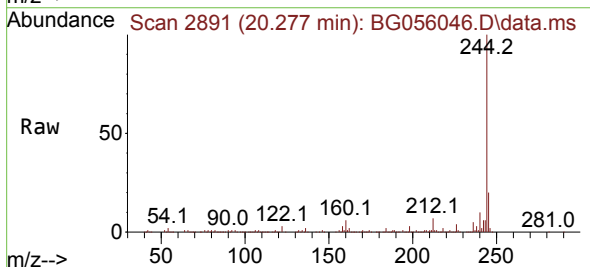
Tgt Ion:244 Resp: 265122

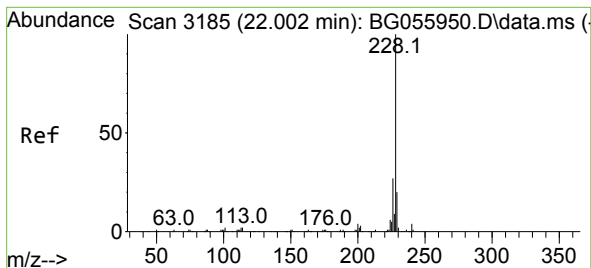
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

122 3.4 2.5 3.7





#81

Benzo(a)anthracene

Concen: 17.794 ng

RT: 21.987 min Scan# 3182

Delta R.T. -0.009 min

Lab File: BG056046.D

Acq: 21 Dec 2022 13:17

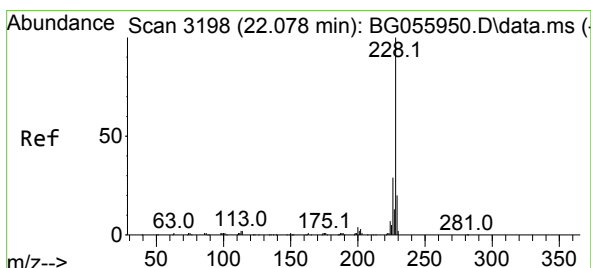
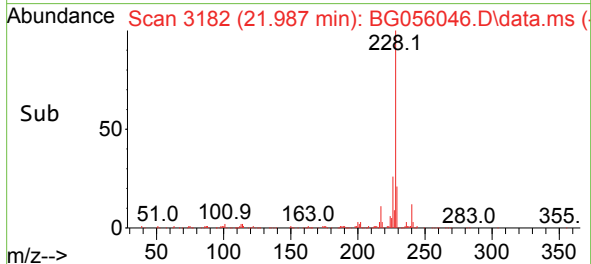
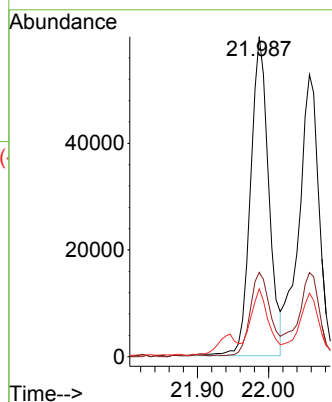
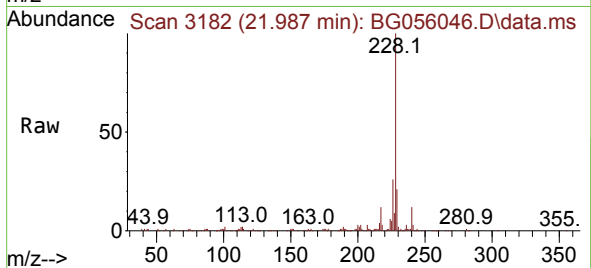
Tgt Ion:228 Resp: 106848

Ion Ratio Lower Upper

228 100

226 26.4 21.8 32.6

229 21.2 15.9 23.9



#83

Chrysene

Concen: 18.384 ng

RT: 22.057 min Scan# 3194

Delta R.T. -0.009 min

Lab File: BG056046.D

Acq: 21 Dec 2022 13:17

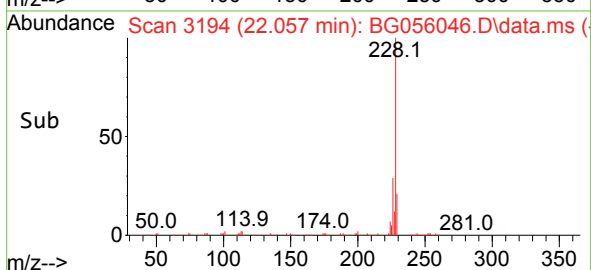
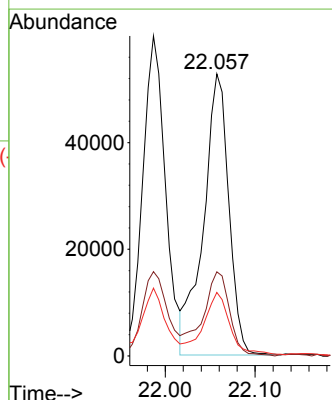
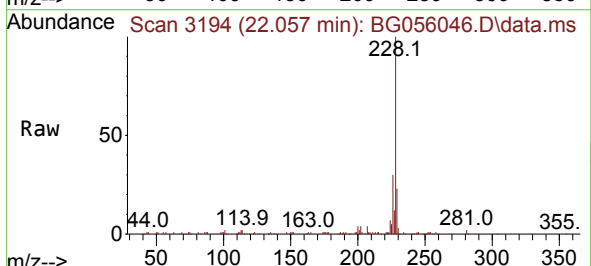
Tgt Ion:228 Resp: 103461

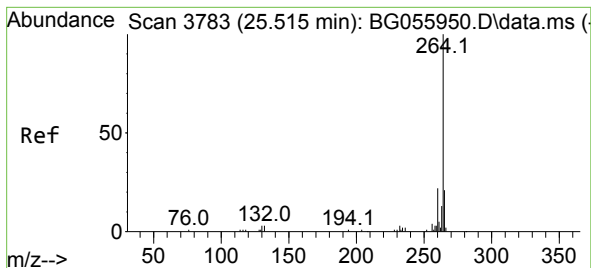
Ion Ratio Lower Upper

228 100

226 29.8 23.1 34.7

229 22.5 15.7 23.5

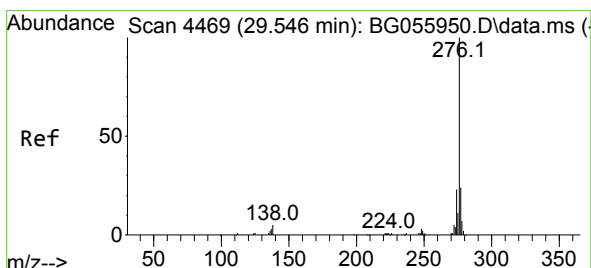
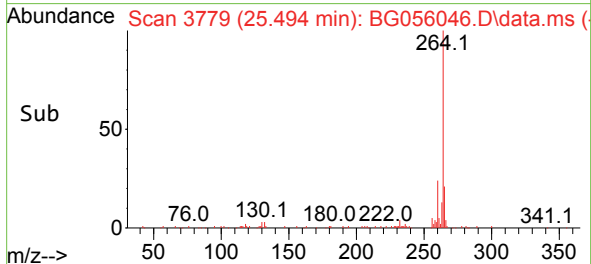
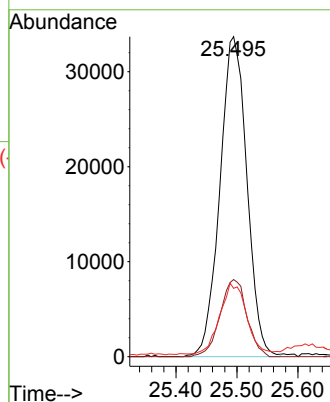
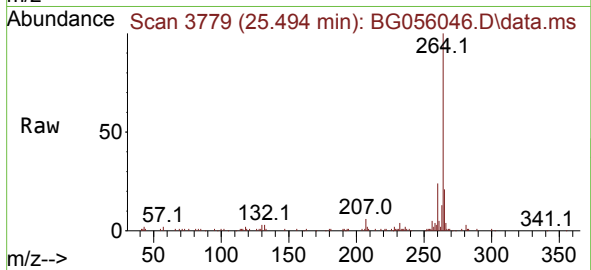




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.494 min Scan# 3779
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

Tgt Ion:264 Resp: 103596

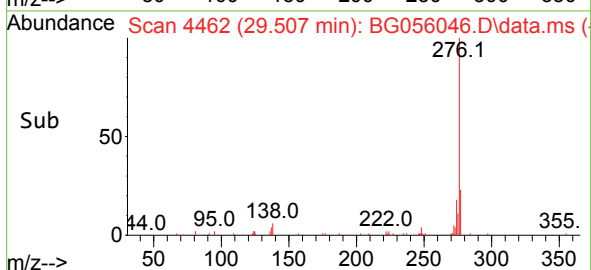
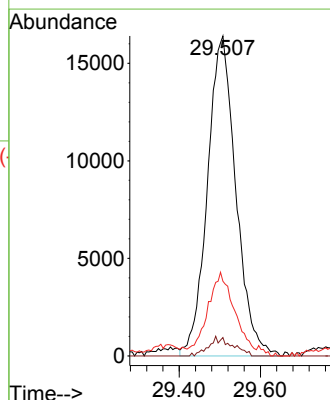
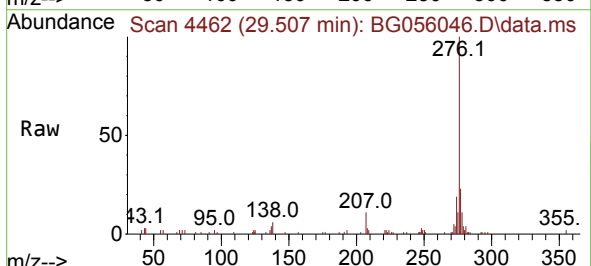
Ion	Ratio	Lower	Upper
264	100		
260	24.1	17.8	26.8
265	21.4	16.6	25.0

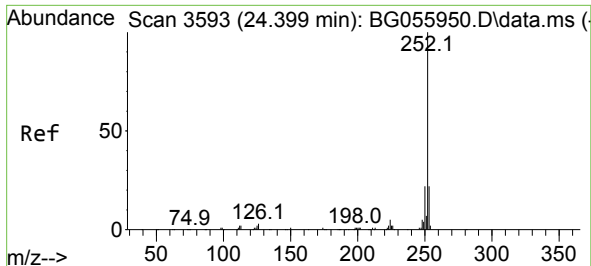


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.591 ng
RT: 29.507 min Scan# 4462
Delta R.T. -0.015 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

Tgt Ion:276 Resp: 79896

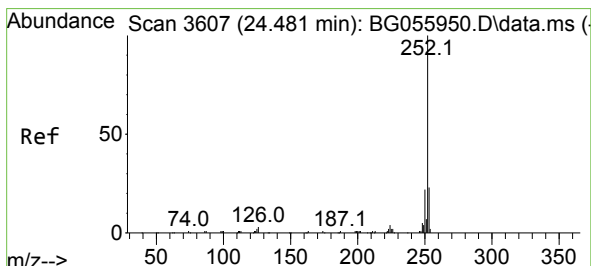
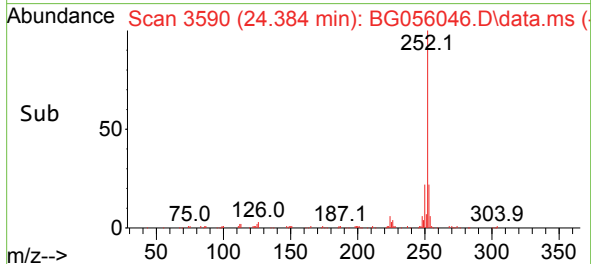
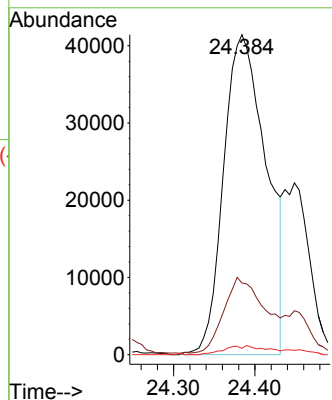
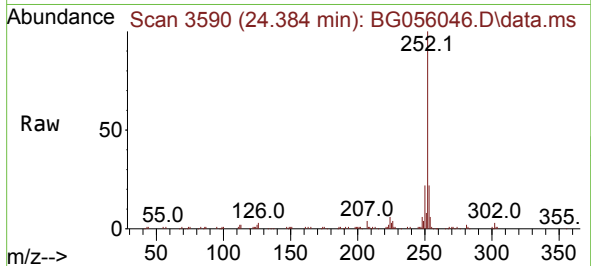
Ion	Ratio	Lower	Upper
276	100		
138	5.0	3.0	4.4#
277	21.1	20.4	30.6





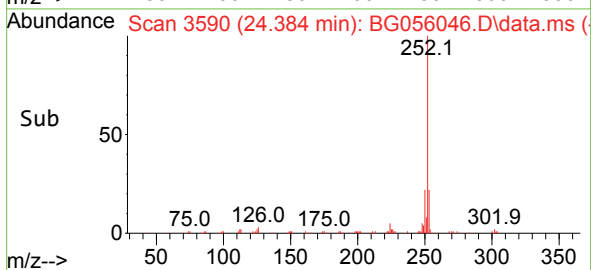
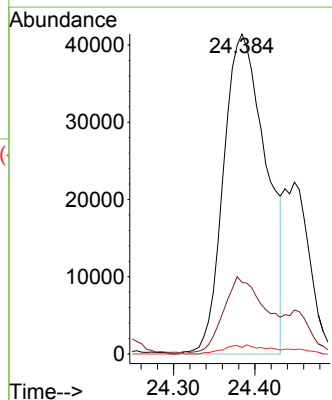
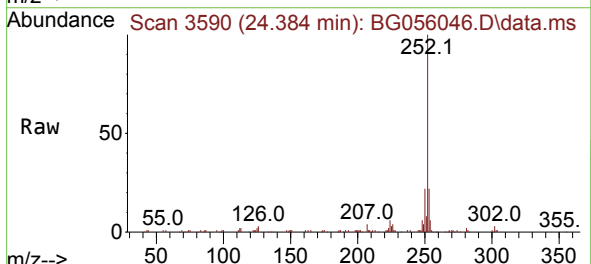
#88
Benzo(b)fluoranthene
Concen: 22.597 ng
RT: 24.384 min Scan# 3590
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

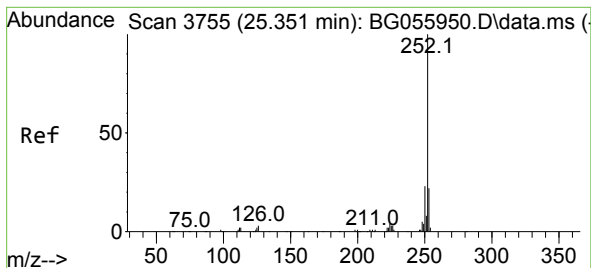
Tgt Ion:252 Resp: 151501
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 2.0 1.8 2.8



#89
Benzo(k)fluoranthene
Concen: 22.648 ng
RT: 24.384 min Scan# 3590
Delta R.T. -0.080 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

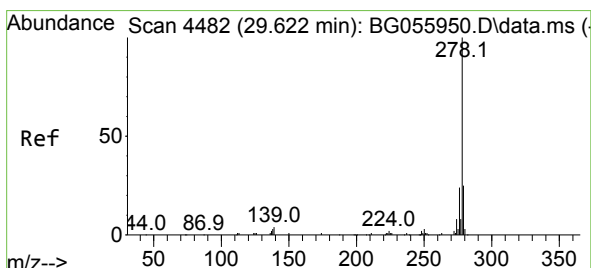
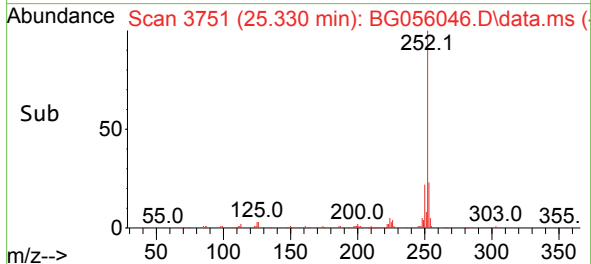
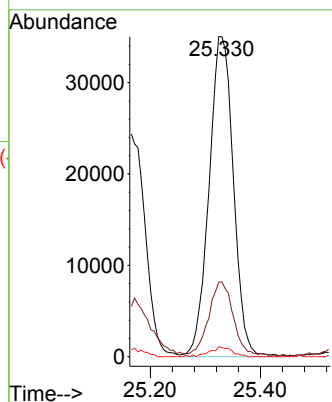
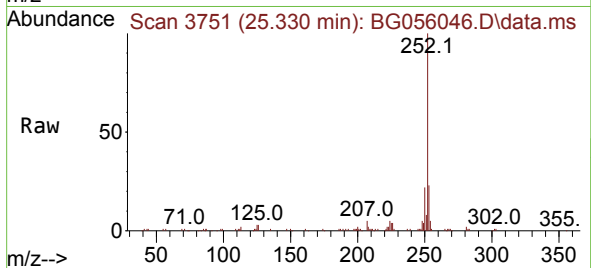
Tgt Ion:252 Resp: 151501
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 2.0 2.0 3.0#





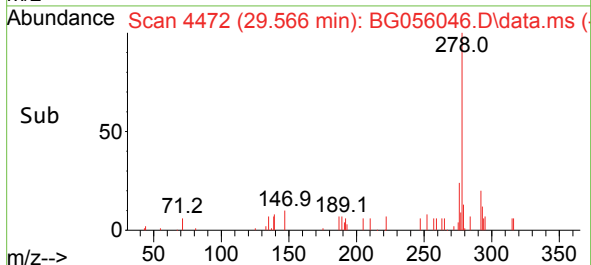
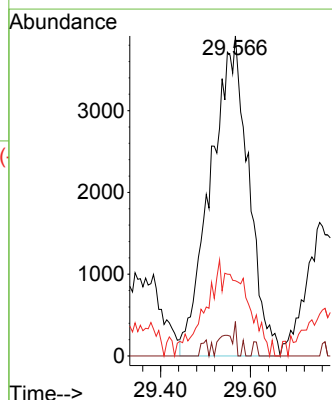
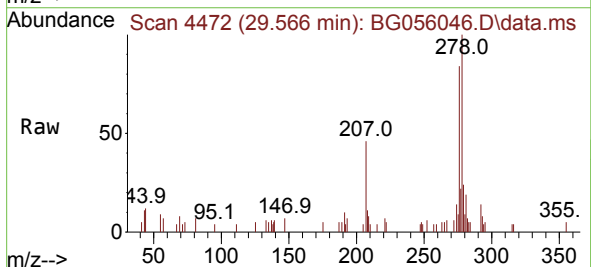
#90
Benzo(a)pyrene
Concen: 19.024 ng
RT: 25.330 min Scan# 3751
Delta R.T. -0.003 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

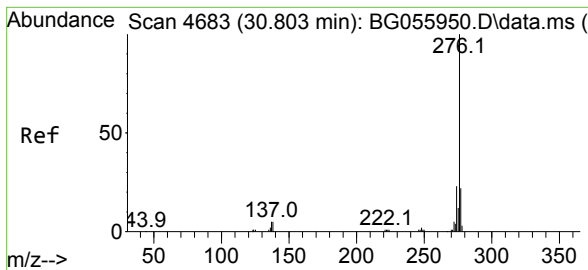
Tgt Ion:252 Resp: 107814
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 2.9 1.9 2.9



#91
Dibenzo(a,h)anthracene
Concen: 3.290 ng
RT: 29.566 min Scan# 4472
Delta R.T. -0.027 min
Lab File: BG056046.D
Acq: 21 Dec 2022 13:17

Tgt Ion:278 Resp: 22940
Ion Ratio Lower Upper
278 100
139 10.8 2.9 4.3#
279 23.5 20.0 30.0





#92
 Benzo(g,h,i)perylene
 Concen: 10.803 ng
 RT: 30.753 min Scan# 4674
 Delta R.T. -0.038 min
 Lab File: BG056046.D
 Acq: 21 Dec 2022 13:17

Tgt Ion:	276	Resp:	72831
Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.8	26.6
138	4.8	3.8	5.6

