

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
 Data File : BG056038.D
 Acq On : 20 Dec 2022 20:31
 Operator : CG/JU
 Sample : N6067-01DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 21 02:40:59 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

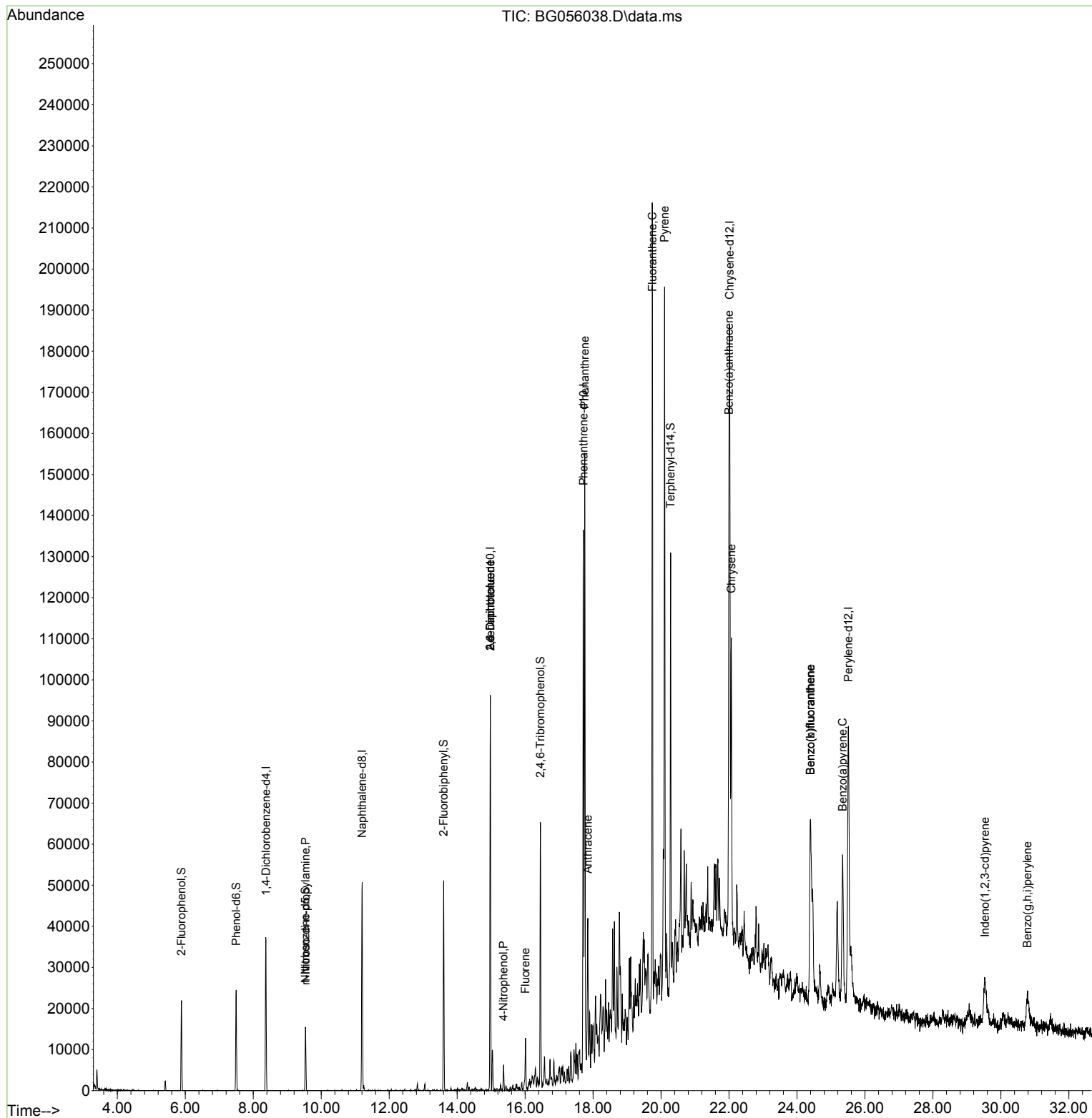
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

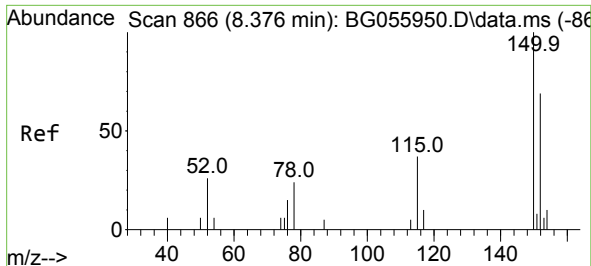
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.372	152	11650	20.000	ng	0.00
21) Naphthalene-d8	11.204	136	44729	20.000	ng	# 0.00
39) Acenaphthene-d10	14.976	164	37334	20.000	ng	0.00
64) Phenanthrene-d10	17.714	188	89987	20.000	ng	0.00
76) Chrysene-d12	22.020	240	92005	20.000	ng	# 0.00
86) Perylene-d12	25.510	264	104846	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.886	112	10036	20.203	ng	0.00
7) Phenol-d6	7.496	99	12276	19.214	ng	0.00
23) Nitrobenzene-d5	9.535	82	8376	13.086	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	15943	17.710	ng	0.00
45) 2-Fluorobiphenyl	13.601	172	29041	10.910	ng	0.00
79) Terphenyl-d14	20.281	244	51118	9.820	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.541	70	1213	2.649	ng	# 64
51) 2,6-Dinitrotoluene	14.976	165	4803	9.616	ng	# 25
56) 4-Nitrophenol	15.363	139	1843	4.527	ng	# 1
57) 2,4-Dinitrotoluene	14.976	165	4803	6.370	ng	# 35
58) Fluorene	16.010	166	6175	2.039	ng	98
71) Phenanthrene	17.755	178	95759	20.306	ng	99
72) Anthracene	17.843	178	23014	4.933	ng	98
75) Fluoranthene	19.741	202	136669	20.696	ng	98
78) Pyrene	20.105	202	123224	22.134	ng	98
81) Benzo(a)anthracene	21.997	228	71492	11.043	ng	98
83) Chrysene	22.067	228	60846	10.028	ng	98
87) Indeno(1,2,3-cd)pyrene	29.535	276	28207	3.346	ng	# 95
88) Benzo(b)fluoranthene	24.394	252	74690	11.007	ng	# 99
89) Benzo(k)fluoranthene	24.394	252	74690	11.033	ng	99
90) Benzo(a)pyrene	25.346	252	53389	9.308	ng	# 98
92) Benzo(g,h,i)perylene	30.781	276	21923	3.213	ng	92

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

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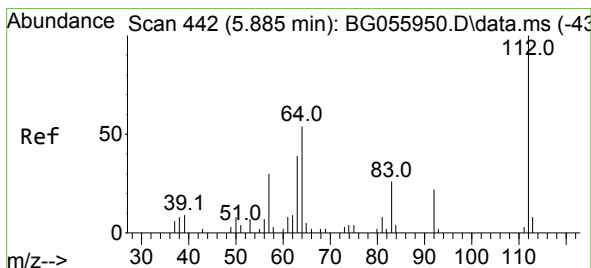
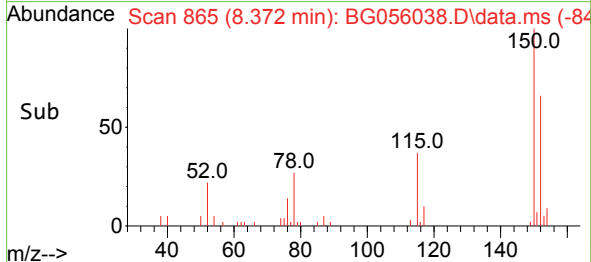
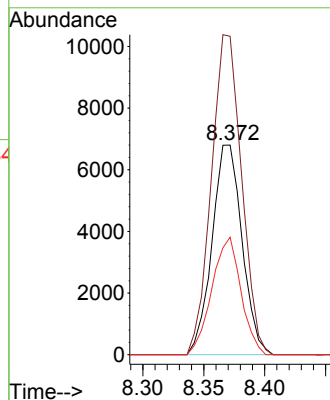
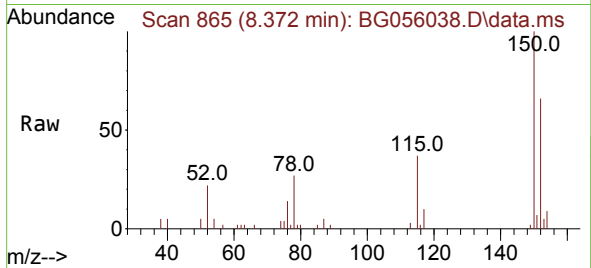
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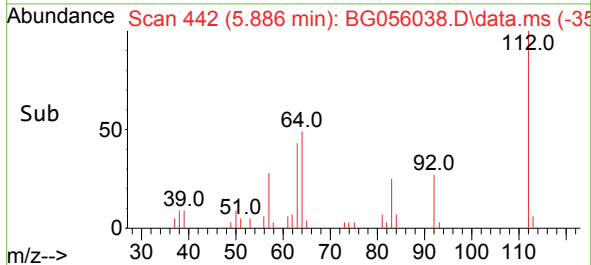
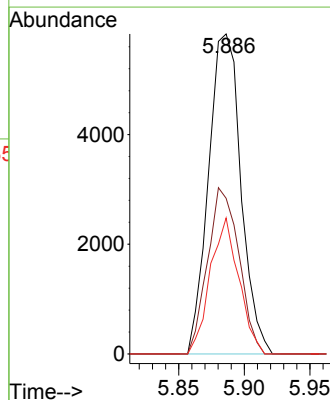
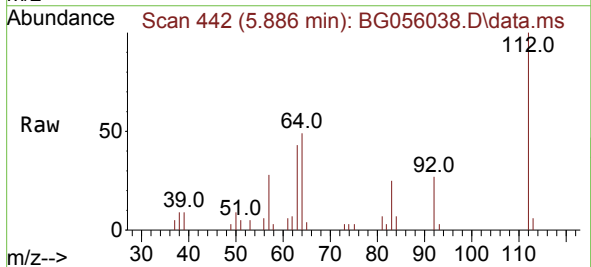
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.372 min Scan# 865
Delta R.T. 0.007 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

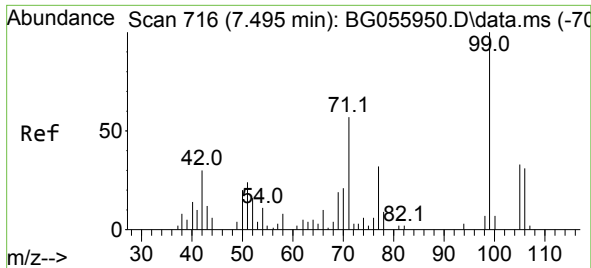
Tgt Ion:152 Resp: 11650
Ion Ratio Lower Upper
152 100
150 151.8 115.7 173.5
115 56.0 43.0 64.4



#5
2-Fluorophenol
Concen: 20.203 ng
RT: 5.886 min Scan# 442
Delta R.T. 0.007 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

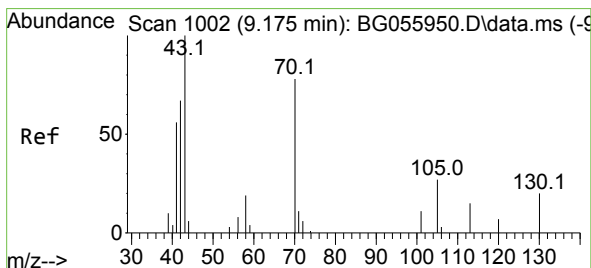
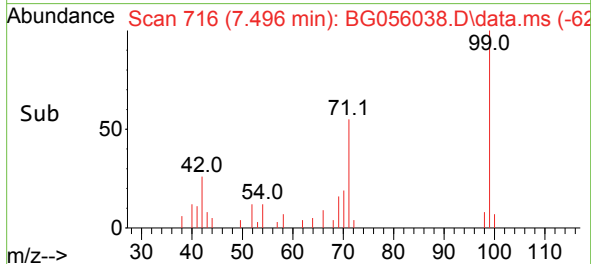
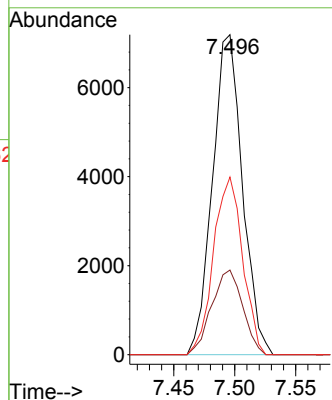
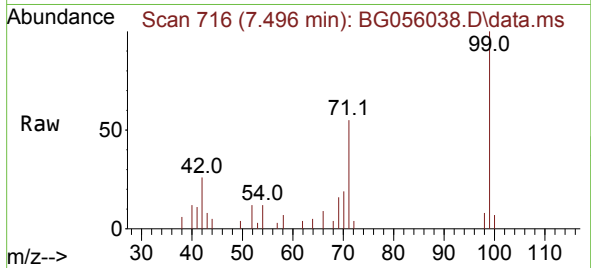
Tgt Ion:112 Resp: 10036
Ion Ratio Lower Upper
112 100
64 48.6 43.0 64.4
63 42.5 31.4 47.2





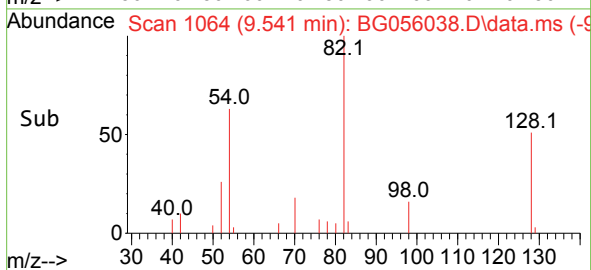
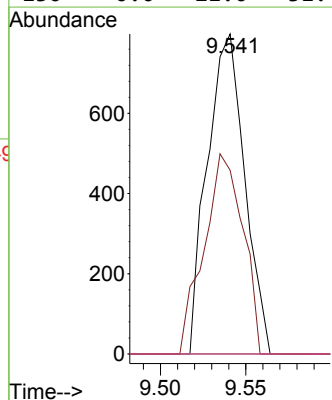
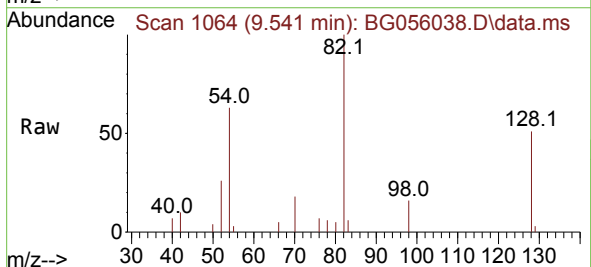
#7
Phenol-d6
Concen: 19.214 ng
RT: 7.496 min Scan# 716
Delta R.T. 0.001 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

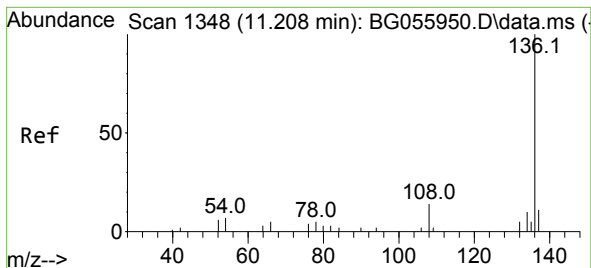
Tgt Ion: 99 Resp: 12276
Ion Ratio Lower Upper
99 100
42 26.5 24.3 36.5
71 55.5 45.6 68.4



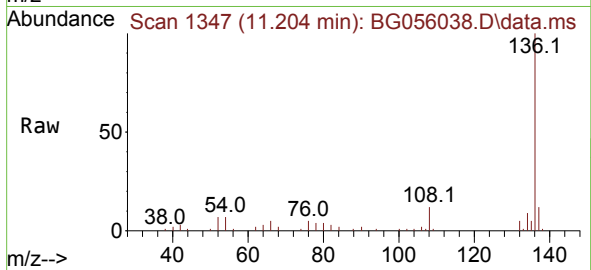
#19
n-Nitroso-di-n-propylamine
Concen: 2.649 ng
RT: 9.541 min Scan# 1064
Delta R.T. 0.371 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

Tgt Ion: 70 Resp: 1213
Ion Ratio Lower Upper
70 100
42 57.4 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#

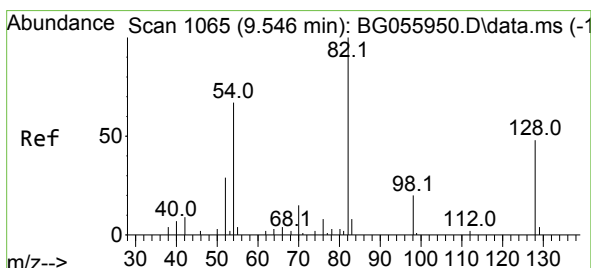
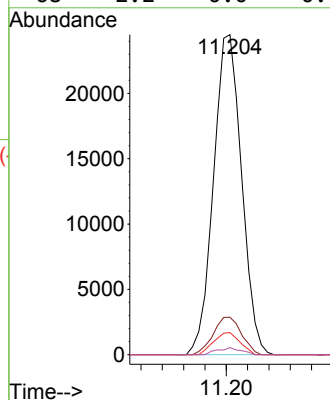
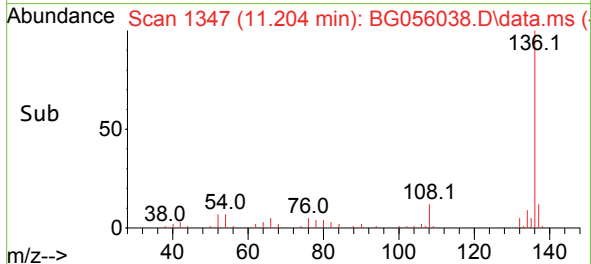




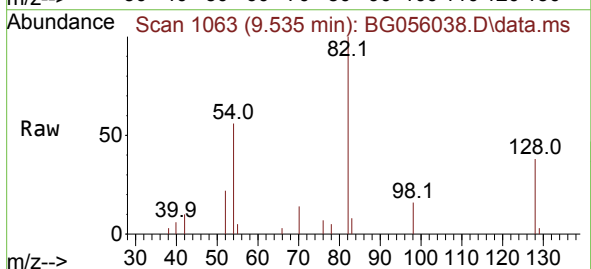
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.204 min Scan# 1347
Delta R.T. 0.007 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31



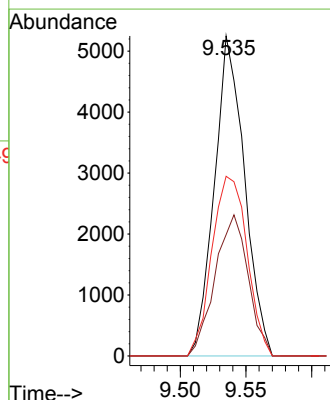
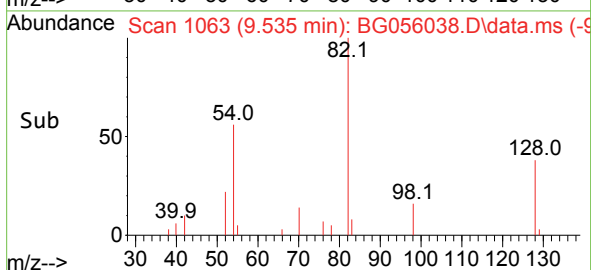
Tgt Ion:136 Resp: 44729
Ion Ratio Lower Upper
136 100
137 11.7 9.2 13.8
54 6.9 5.6 8.4
68 2.2 0.0 0.0#

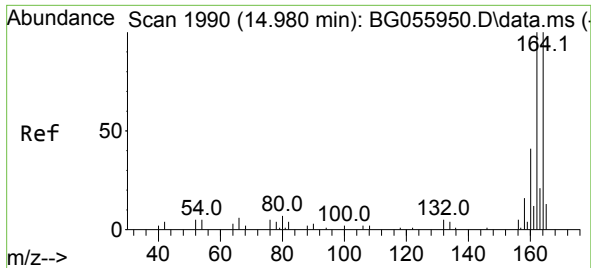


#23
Nitrobenzene-d5
Concen: 13.086 ng
RT: 9.535 min Scan# 1063
Delta R.T. -0.005 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31



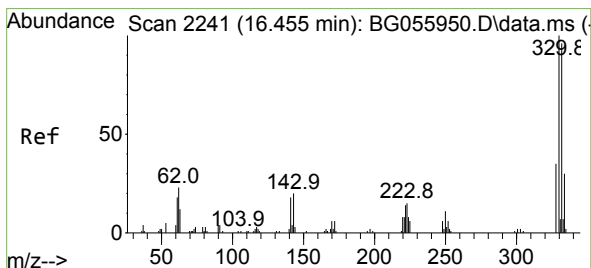
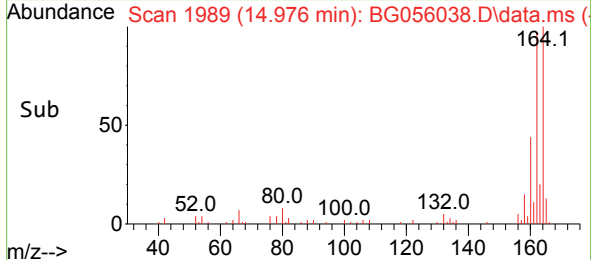
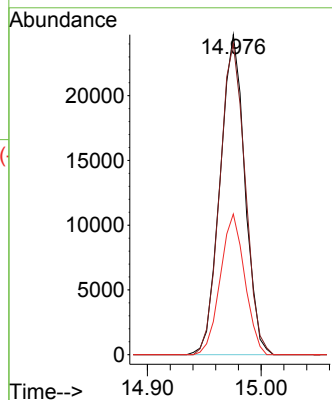
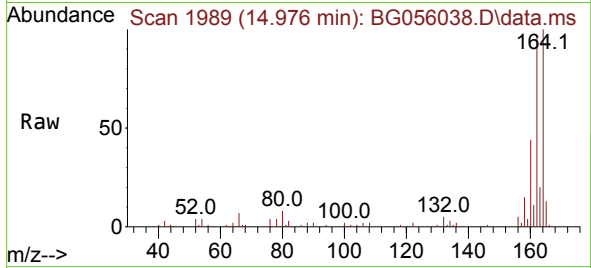
Tgt Ion: 82 Resp: 8376
Ion Ratio Lower Upper
82 100
128 37.9 38.4 57.6#
54 56.2 53.3 79.9





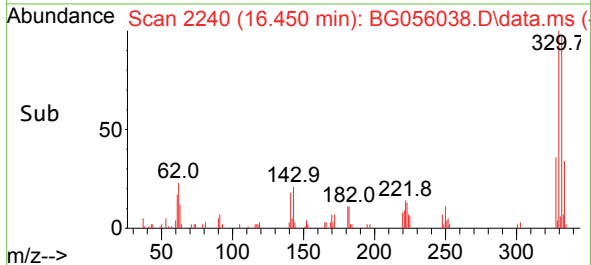
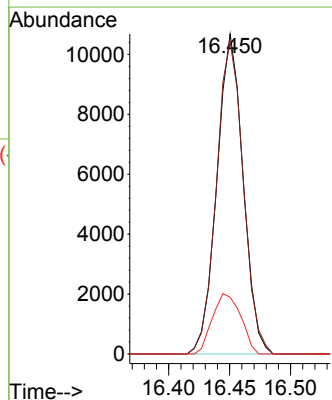
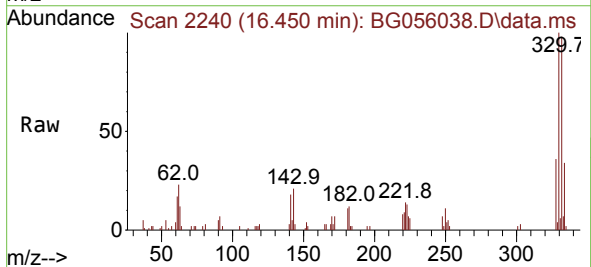
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.976 min Scan# 1989
Delta R.T. 0.001 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

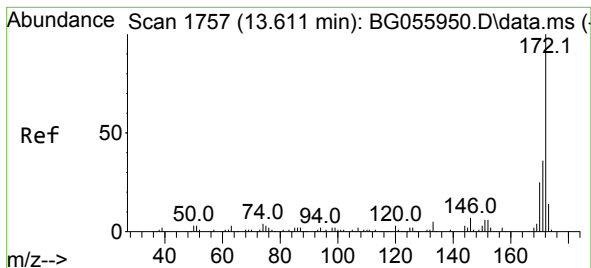
Tgt Ion:164 Resp: 37334
Ion Ratio Lower Upper
164 100
162 97.2 79.8 119.8
160 43.9 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 17.710 ng
RT: 16.450 min Scan# 2240
Delta R.T. 0.001 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

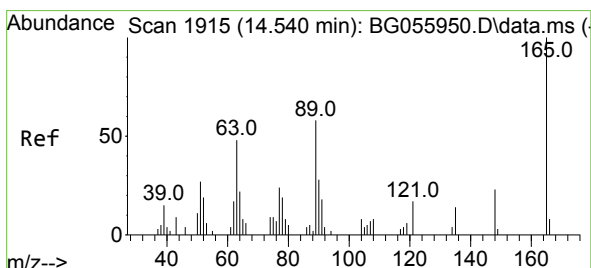
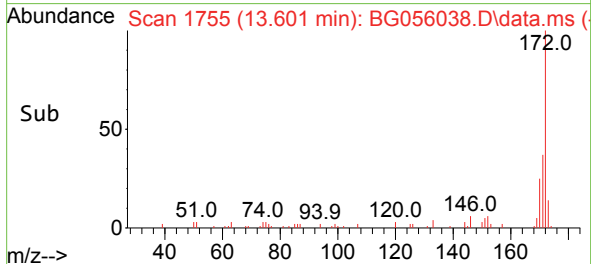
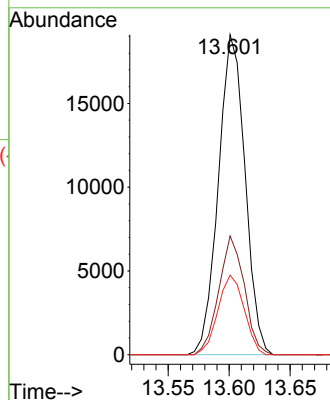
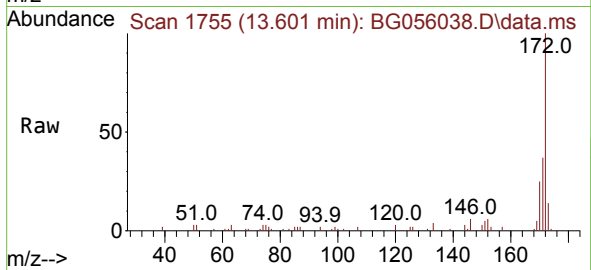
Tgt Ion:330 Resp: 15943
Ion Ratio Lower Upper
330 100
332 100.3 76.6 114.8
141 20.4 15.0 22.4





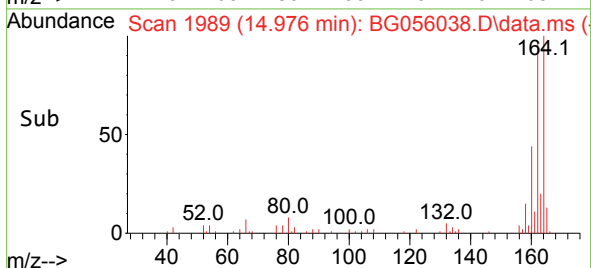
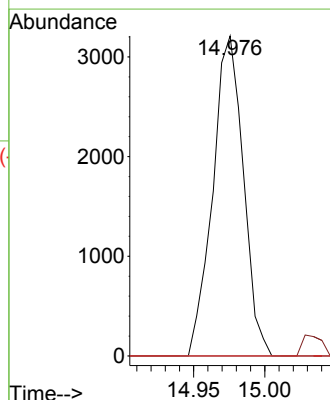
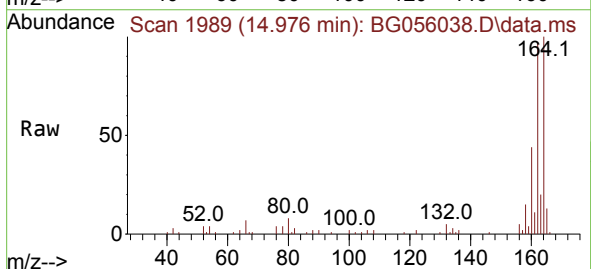
#45
2-Fluorobiphenyl
Concen: 10.910 ng
RT: 13.601 min Scan# 1755
Delta R.T. 0.001 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

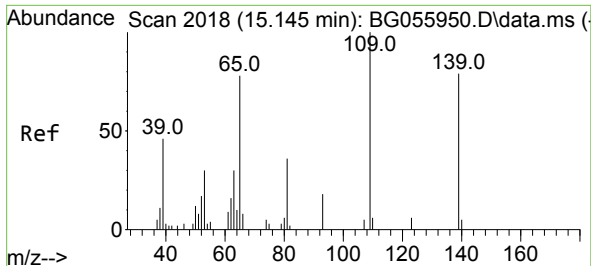
Tgt Ion:172	Resp:	29041
Ion Ratio	Lower	Upper
172	100	
171	37.1	28.6 42.8
170	24.9	19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 9.616 ng
RT: 14.976 min Scan# 1989
Delta R.T. 0.441 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

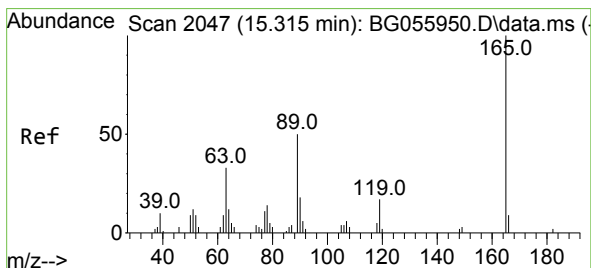
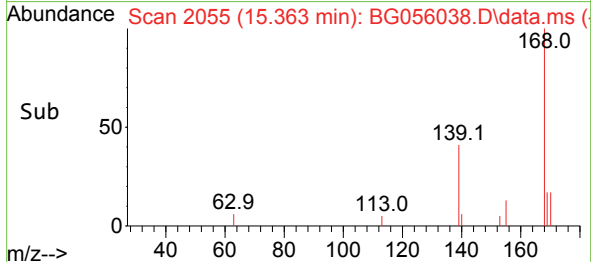
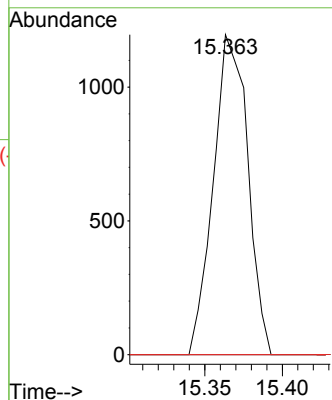
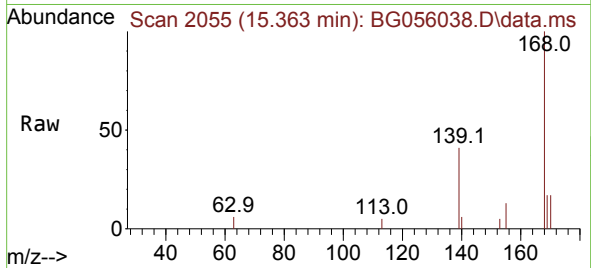
Tgt Ion:165	Resp:	4803
Ion Ratio	Lower	Upper
165	100	
63	0.0	38.3 57.5#
89	0.0	46.3 69.5#





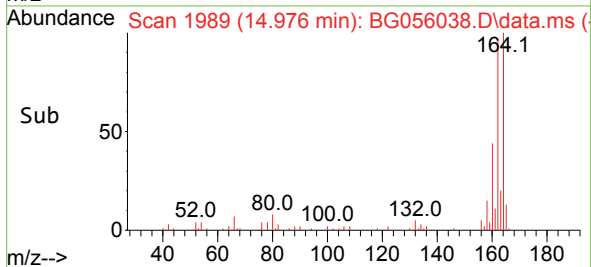
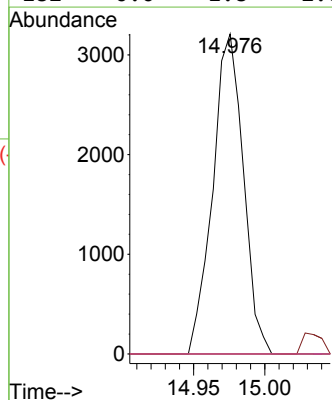
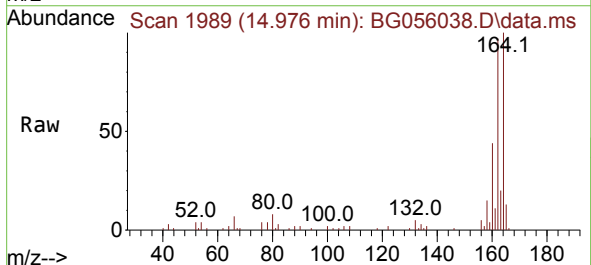
#56
4-Nitrophenol
Concen: 4.527 ng
RT: 15.363 min Scan# 2055
Delta R.T. 0.218 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

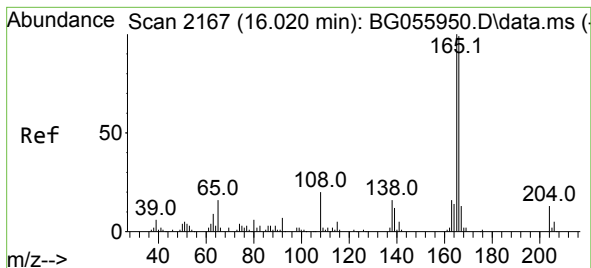
Tgt Ion:139 Resp: 1843
Ion Ratio Lower Upper
139 100
109 0.0 106.7 146.7#
65 0.0 79.2 119.2#



#57
2,4-Dinitrotoluene
Concen: 6.370 ng
RT: 14.976 min Scan# 1989
Delta R.T. -0.340 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

Tgt Ion:165 Resp: 4803
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#





#58

Fluorene

Concen: 2.039 ng

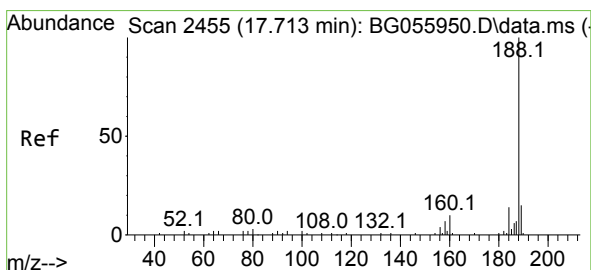
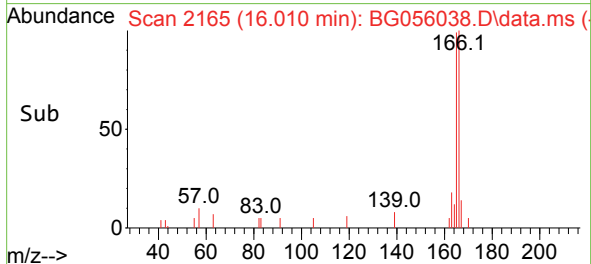
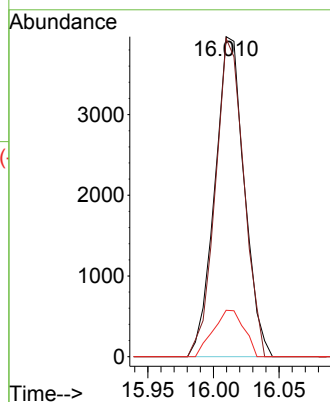
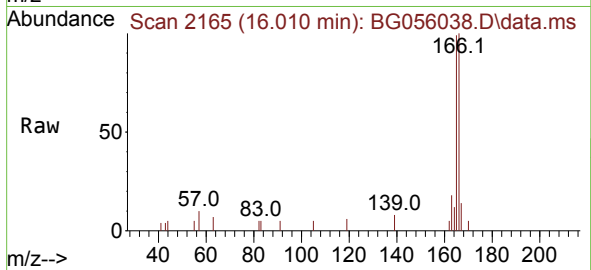
RT: 16.010 min Scan# 2165

Delta R.T. -0.005 min

Lab File: BG056038.D

Acq: 20 Dec 2022 20:31

Tgt Ion:	166	Resp:	6175
Ion Ratio	Lower	Upper	
166	100		
165	99.5	81.1	121.7
167	14.5	10.5	15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

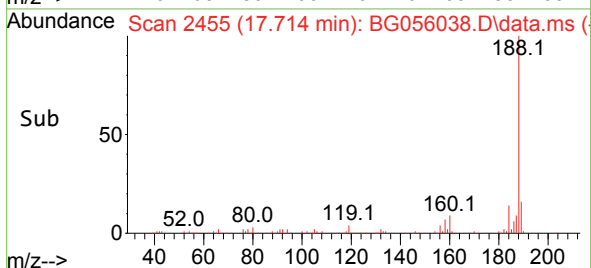
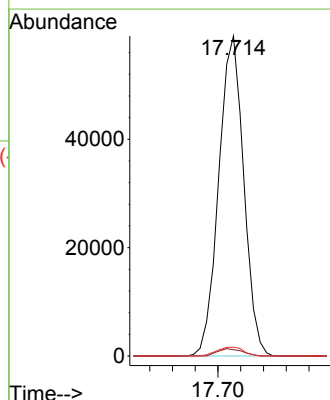
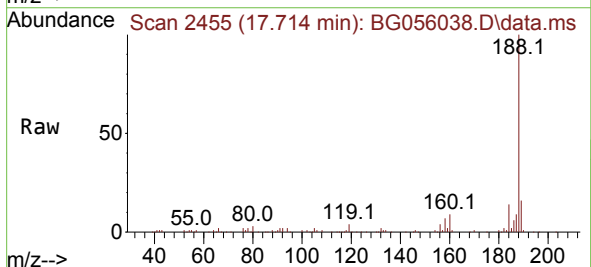
RT: 17.714 min Scan# 2455

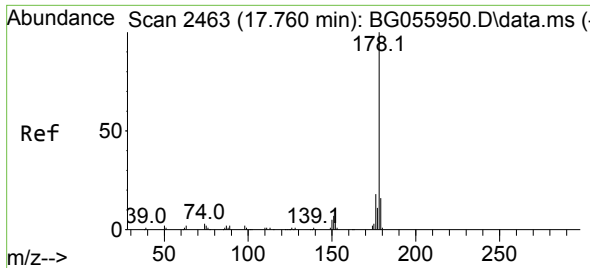
Delta R.T. 0.007 min

Lab File: BG056038.D

Acq: 20 Dec 2022 20:31

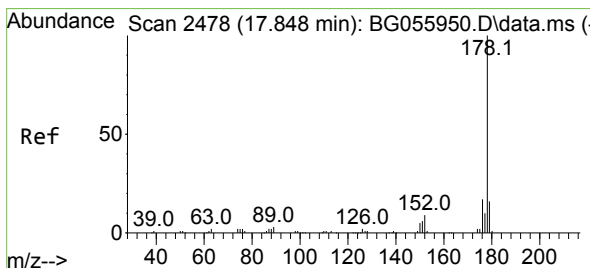
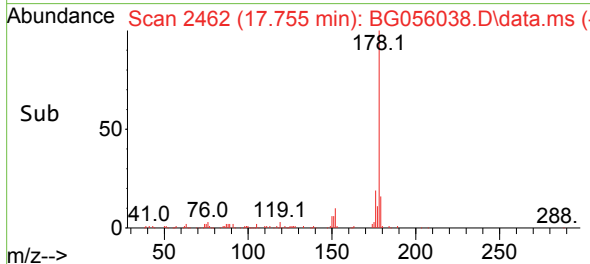
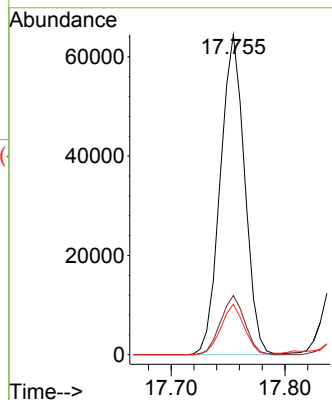
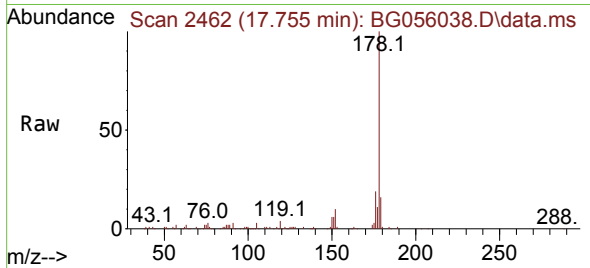
Tgt Ion:	188	Resp:	89987
Ion Ratio	Lower	Upper	
188	100		
94	1.9	1.8	2.8
80	2.8	2.4	3.6





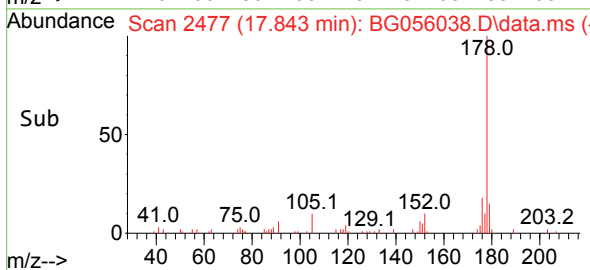
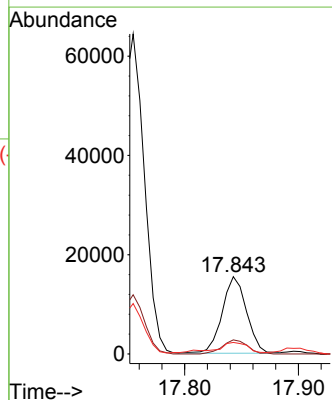
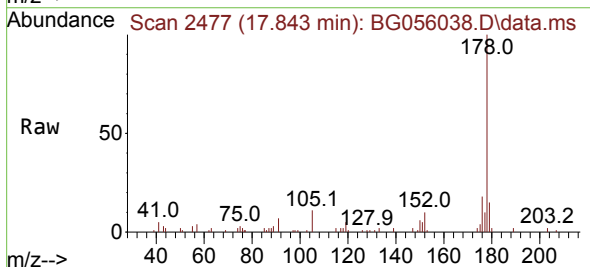
#71
Phenanthrene
Concen: 20.306 ng
RT: 17.755 min Scan# 2462
Delta R.T. 0.001 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

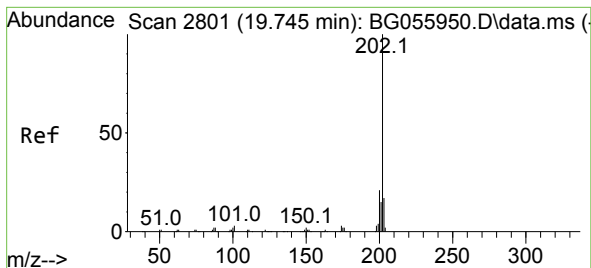
Tgt Ion:178 Resp: 95759
Ion Ratio Lower Upper
178 100
176 18.5 14.4 21.6
179 15.8 12.7 19.1



#72
Anthracene
Concen: 4.933 ng
RT: 17.843 min Scan# 2477
Delta R.T. 0.001 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

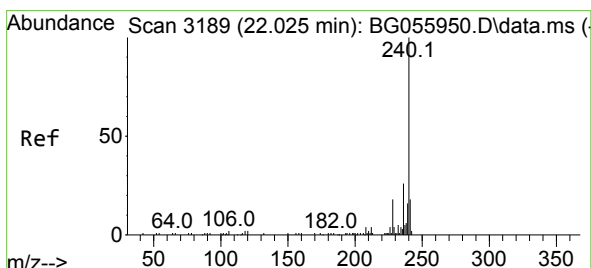
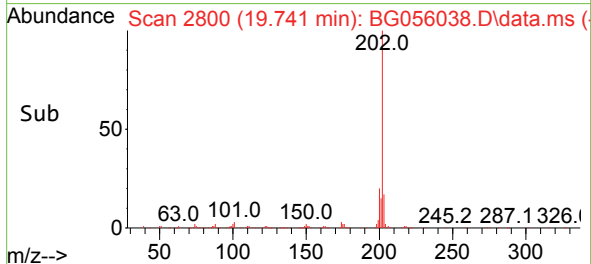
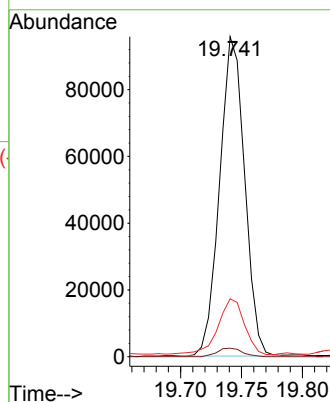
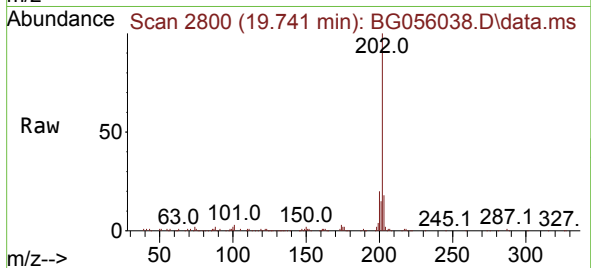
Tgt Ion:178 Resp: 23014
Ion Ratio Lower Upper
178 100
176 18.2 13.9 20.9
179 14.8 12.7 19.1





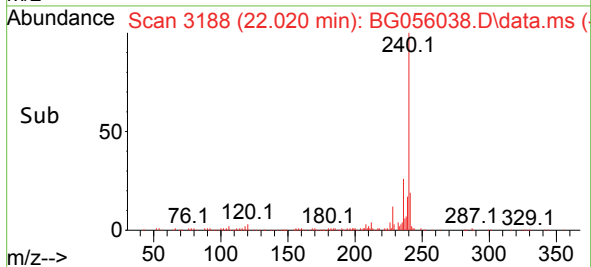
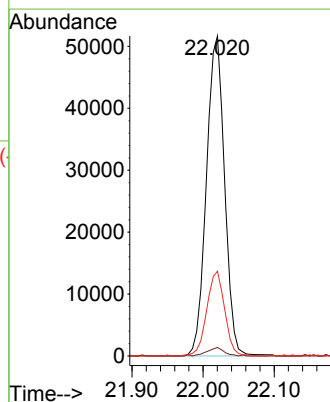
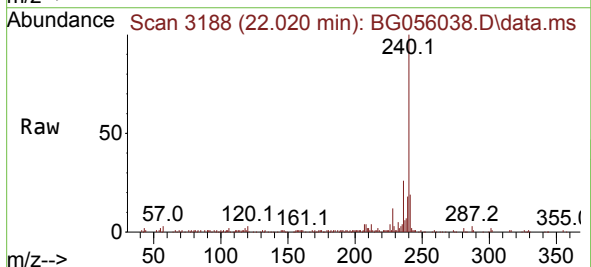
#75
Fluoranthene
Concen: 20.696 ng
RT: 19.741 min Scan# 2800
Delta R.T. 0.001 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

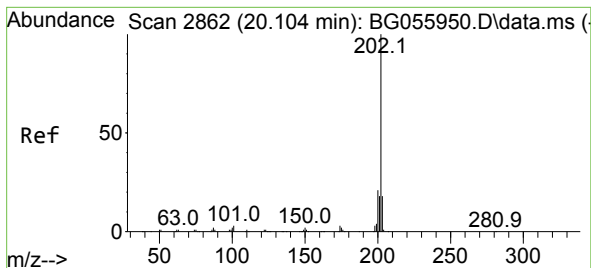
Tgt Ion:202 Resp: 136669
Ion Ratio Lower Upper
202 100
101 2.7 0.0 22.6
203 18.1 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.020 min Scan# 3188
Delta R.T. 0.007 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

Tgt Ion:240 Resp: 92005
Ion Ratio Lower Upper
240 100
120 3.1 1.7 2.5#
236 26.5 21.1 31.7





#78

Pyrene

Concen: 22.134 ng

RT: 20.105 min Scan# 2862

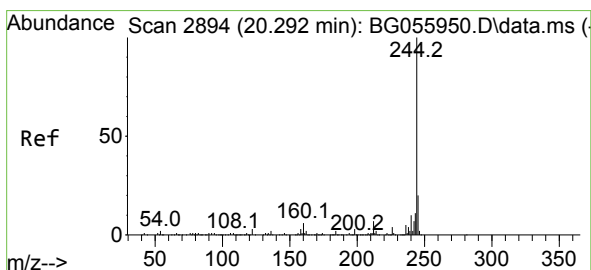
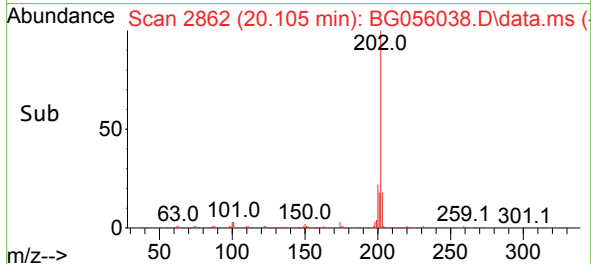
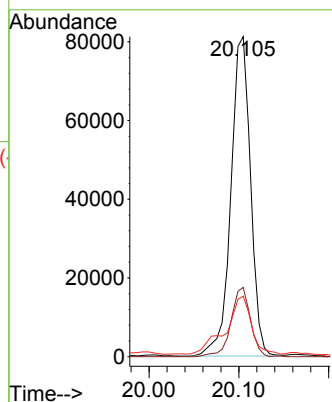
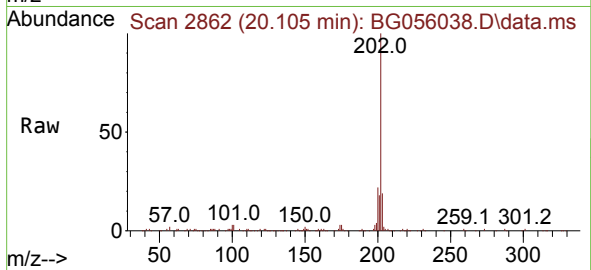
Delta R.T. 0.007 min

Lab File: BG056038.D

Acq: 20 Dec 2022 20:31

Tgt Ion:202 Resp: 123224

Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.7	25.1
203	18.9	14.6	21.8



#79

Terphenyl-d14

Concen: 9.820 ng

RT: 20.281 min Scan# 2892

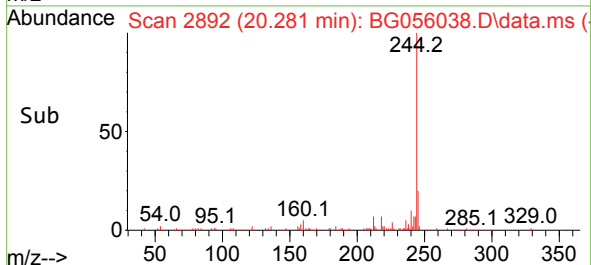
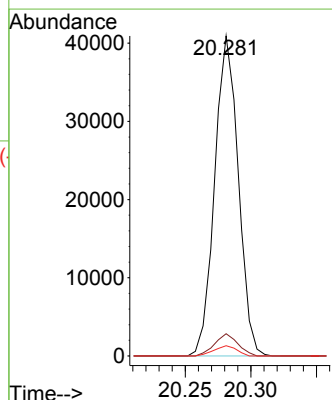
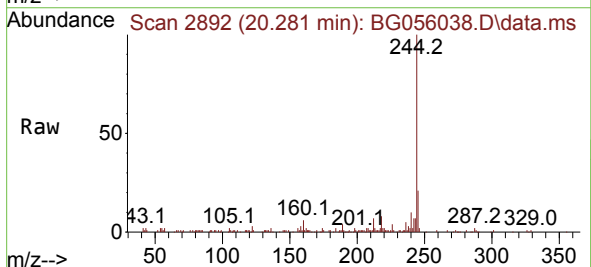
Delta R.T. 0.001 min

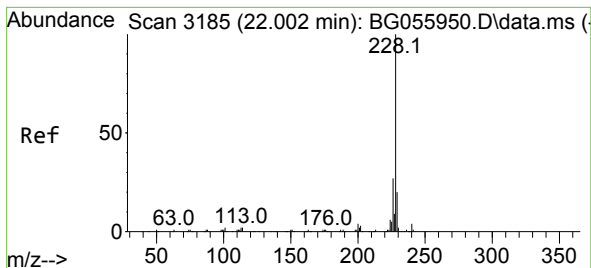
Lab File: BG056038.D

Acq: 20 Dec 2022 20:31

Tgt Ion:244 Resp: 51118

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.6
122	3.2	2.5	3.7





#81

Benzo(a)anthracene

Concen: 11.043 ng

RT: 21.997 min Scan# 3184

Delta R.T. 0.001 min

Lab File: BG056038.D

Acq: 20 Dec 2022 20:31

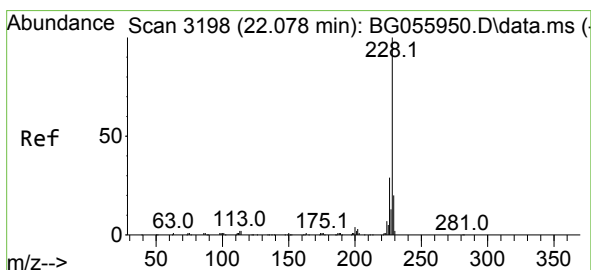
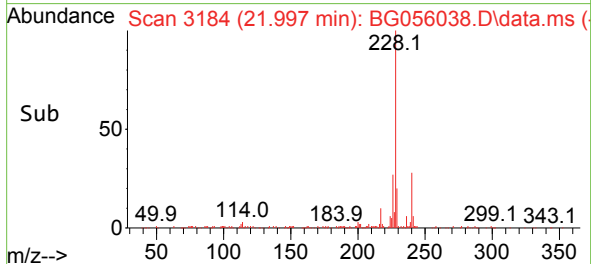
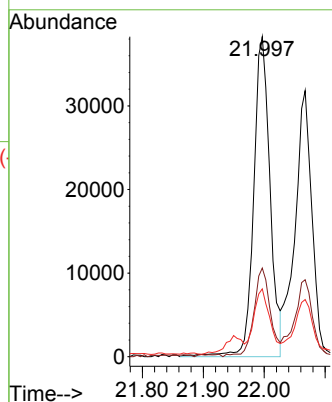
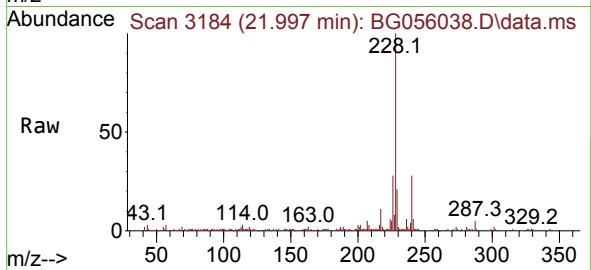
Tgt Ion:228 Resp: 71492

Ion Ratio Lower Upper

228 100

226 27.7 21.8 32.6

229 21.2 15.9 23.9



#83

Chrysene

Concen: 10.028 ng

RT: 22.067 min Scan# 3196

Delta R.T. 0.001 min

Lab File: BG056038.D

Acq: 20 Dec 2022 20:31

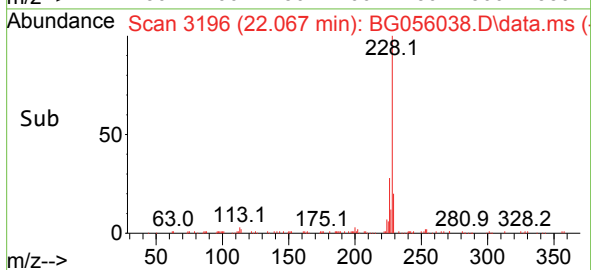
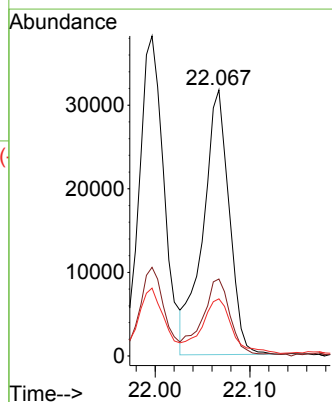
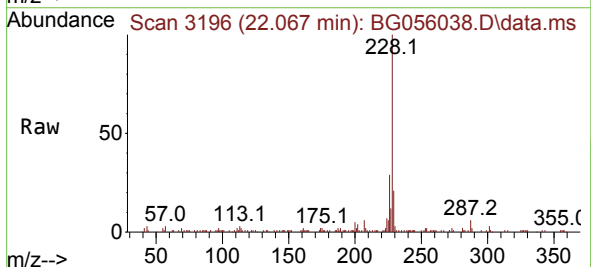
Tgt Ion:228 Resp: 60846

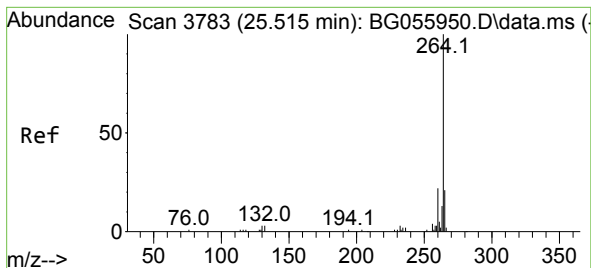
Ion Ratio Lower Upper

228 100

226 28.9 23.1 34.7

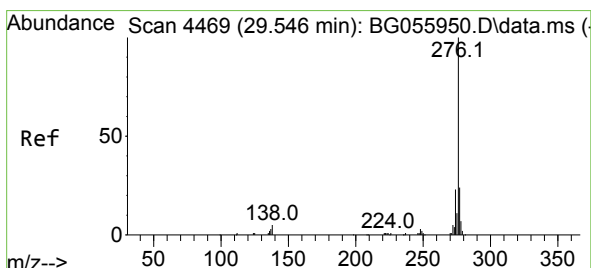
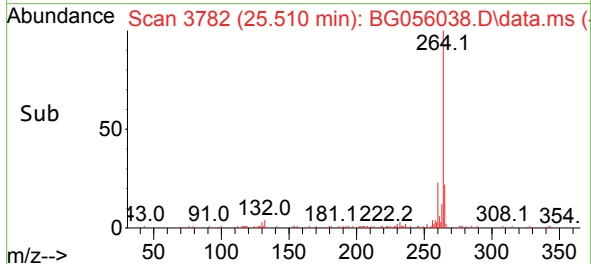
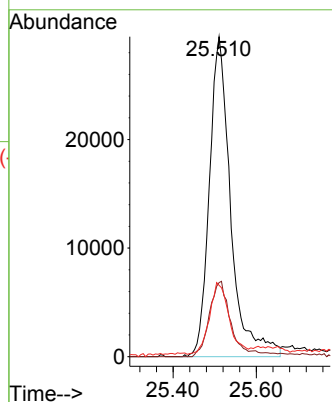
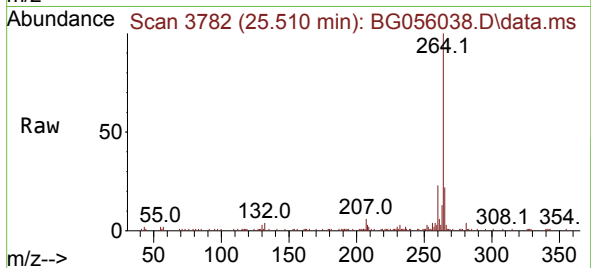
229 21.4 15.7 23.5





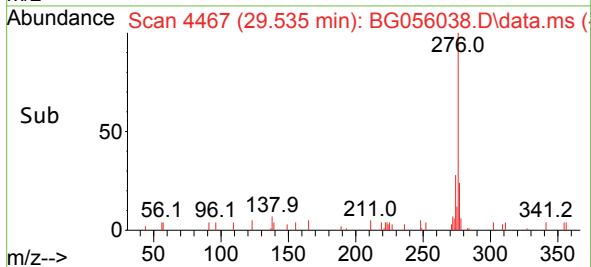
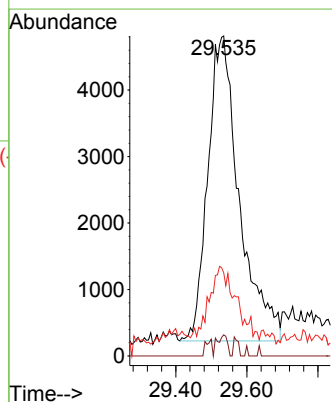
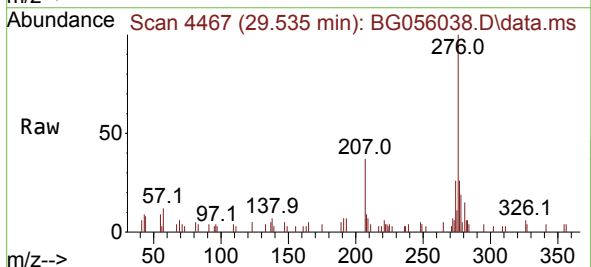
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.510 min Scan# 3782
 Delta R.T. 0.013 min
 Lab File: BG056038.D
 Acq: 20 Dec 2022 20:31

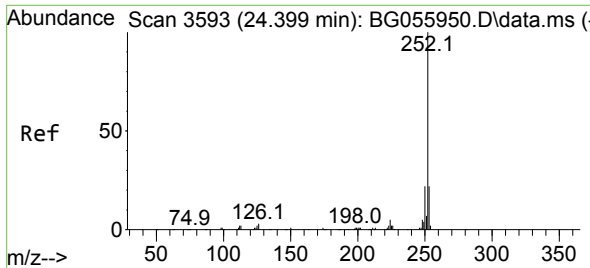
Tgt Ion:	264	Resp:	104846
Ion Ratio	Lower	Upper	
264	100		
260	23.1	17.8	26.8
265	22.3	16.6	25.0



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.346 ng
 RT: 29.535 min Scan# 4467
 Delta R.T. 0.013 min
 Lab File: BG056038.D
 Acq: 20 Dec 2022 20:31

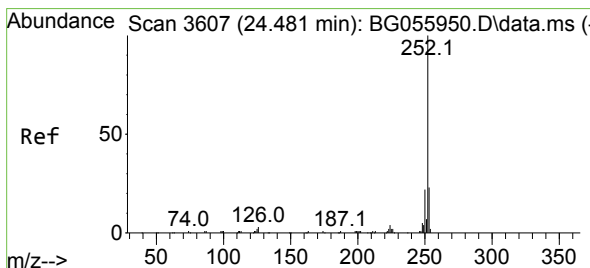
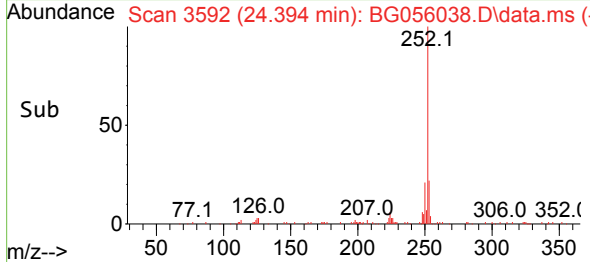
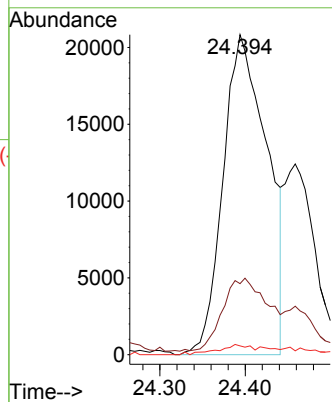
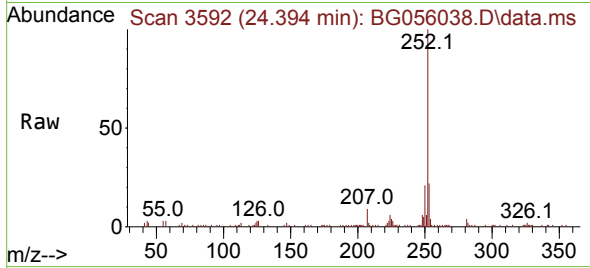
Tgt Ion:	276	Resp:	28207
Ion Ratio	Lower	Upper	
276	100		
138	2.2	3.0	4.4#
277	23.1	20.4	30.6





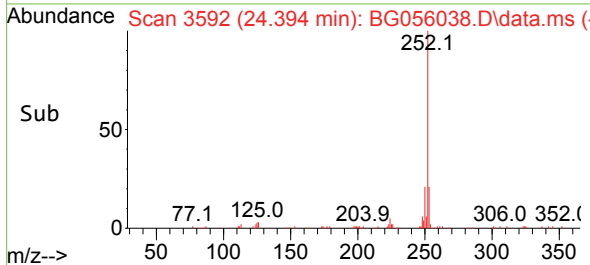
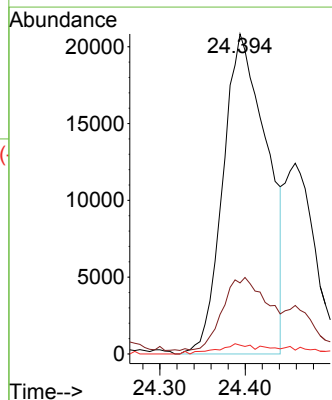
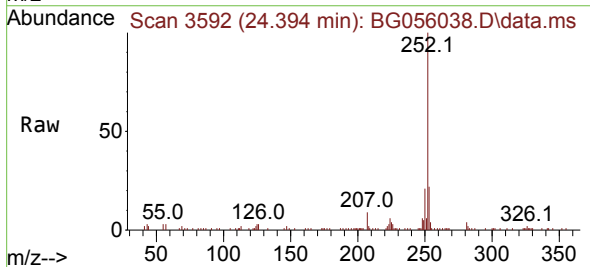
#88
Benzo(b)fluoranthene
Concen: 11.007 ng
RT: 24.394 min Scan# 3592
Delta R.T. 0.007 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

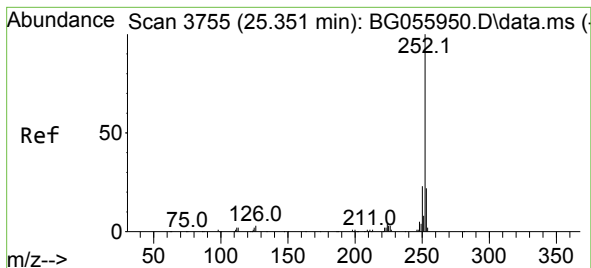
Tgt Ion:252 Resp: 74690
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 2.8 1.8 2.8#



#89
Benzo(k)fluoranthene
Concen: 11.033 ng
RT: 24.394 min Scan# 3592
Delta R.T. -0.070 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

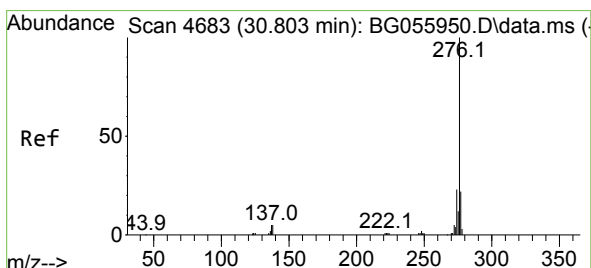
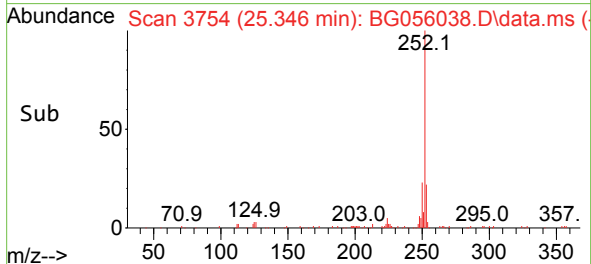
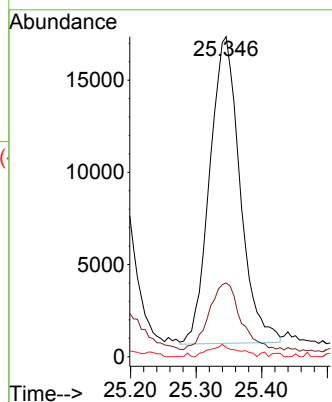
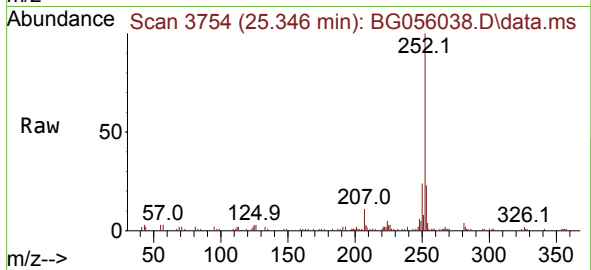
Tgt Ion:252 Resp: 74690
Ion Ratio Lower Upper
252 100
253 22.2 18.2 27.2
125 2.8 2.0 3.0





#90
Benzo(a)pyrene
Concen: 9.308 ng
RT: 25.346 min Scan# 3754
Delta R.T. 0.013 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

Tgt Ion:252 Resp: 53389
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 2.9 1.9 2.9#



#92
Benzo(g,h,i)perylene
Concen: 3.213 ng
RT: 30.781 min Scan# 4679
Delta R.T. -0.011 min
Lab File: BG056038.D
Acq: 20 Dec 2022 20:31

Tgt Ion:276 Resp: 21923
Ion Ratio Lower Upper
276 100
277 26.4 17.8 26.6
138 5.3 3.8 5.6

