

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
 Data File : BG056045.D
 Acq On : 21 Dec 2022 12:36
 Operator : CG/JU
 Sample : N6098-11
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 22 01:22:57 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

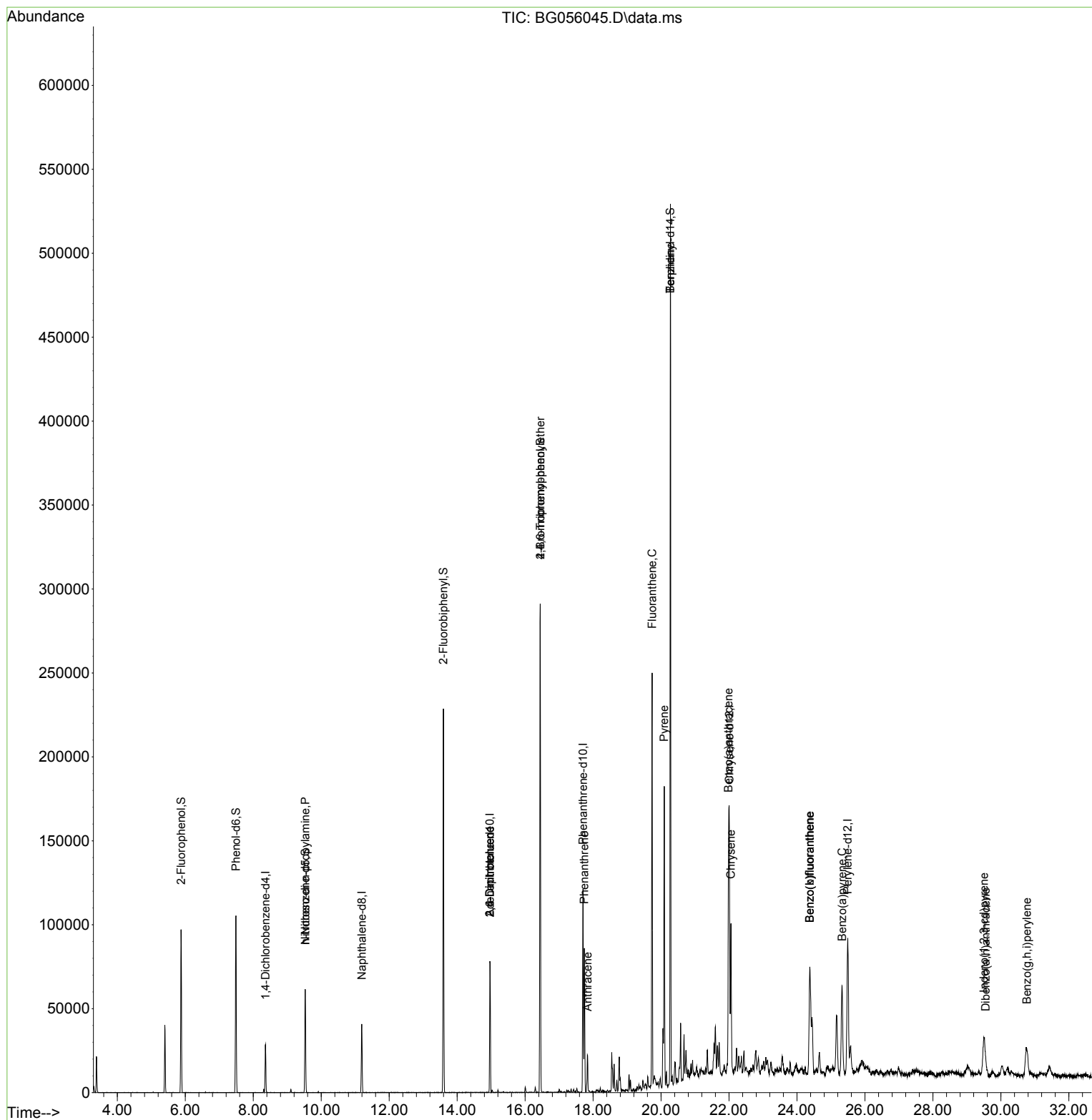
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

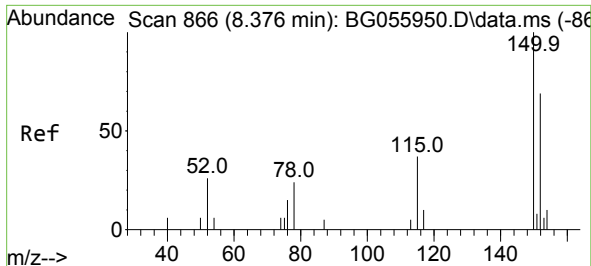
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.361	152	9360	20.000	ng	0.00
21) Naphthalene-d8	11.193	136	36122	20.000	ng	# 0.00
39) Acenaphthene-d10	14.965	164	32342	20.000	ng	-0.01
64) Phenanthrene-d10	17.703	188	89139	20.000	ng	0.00
76) Chrysene-d12	22.009	240	89142	20.000	ng	# 0.00
86) Perylene-d12	25.493	264	108109	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.875	112	38731	97.042	ng	0.00
7) Phenol-d6	7.491	99	50997	99.347	ng	0.00
23) Nitrobenzene-d5	9.530	82	32778	63.413	ng	-0.01
42) 2,4,6-Tribromophenol	16.445	330	78007	100.027	ng	0.00
45) 2-Fluorobiphenyl	13.596	172	122699	53.207	ng	0.00
79) Terphenyl-d14	20.276	244	280037	55.522	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.530	70	5173	14.059	ng	# 65
51) 2,6-Dinitrotoluene	14.965	165	4250	9.822	ng	# 25
57) 2,4-Dinitrotoluene	14.965	165	4250	6.507	ng	# 35
67) 4-Bromophenyl-phenylether	16.445	248	4411	3.377	ng	# 1
71) Phenanthrene	17.744	178	61807	13.231	ng	99
72) Anthracene	17.838	178	18303	3.960	ng	97
75) Fluoranthene	19.735	202	171501	26.218	ng	99
77) Benzidine	20.276	184	4228	2.701	ng	94
78) Pyrene	20.094	202	130872	24.262	ng	100
81) Benzo(a)anthracene	21.986	228	88784	14.154	ng	98
83) Chrysene	22.056	228	75153	12.784	ng	97
87) Indeno(1,2,3-cd)pyrene	29.501	276	52082	5.991	ng	100
88) Benzo(b)fluoranthene	24.377	252	104783	14.976	ng	94
89) Benzo(k)fluoranthene	24.377	252	104783	15.010	ng	96
90) Benzo(a)pyrene	25.329	252	73887	12.493	ng	100
91) Dibenzo(a,h)anthracene	29.553	278	14933	2.052	ng	# 85
92) Benzo(g,h,i)perylene	30.764	276	46513	6.611	ng	99

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

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Data File : BG056045.D
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Misc :
ALS Vial : 5 Sample Multiplier: 1

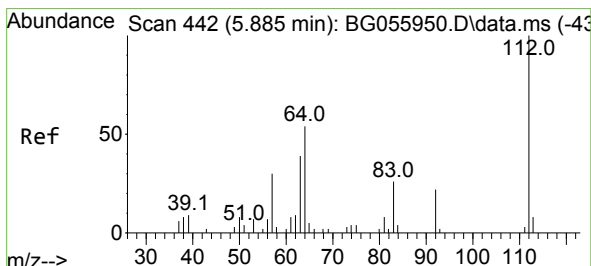
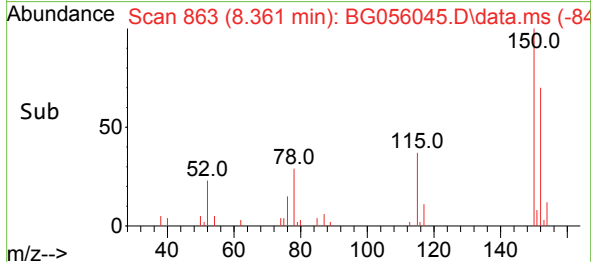
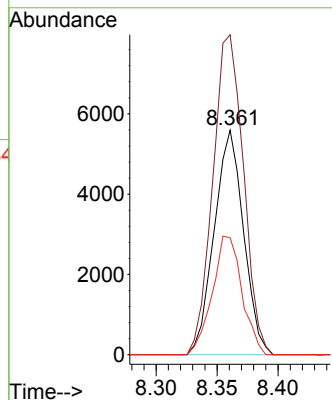
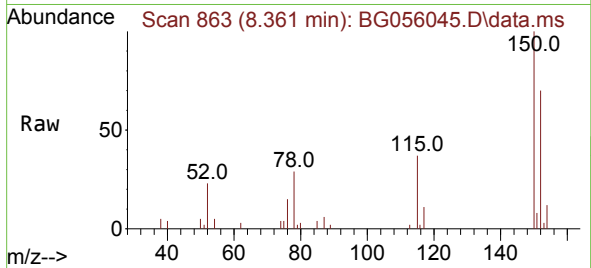
Quant Time: Dec 22 01:22:57 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 01:11:10 2022
Response via : Initial Calibration





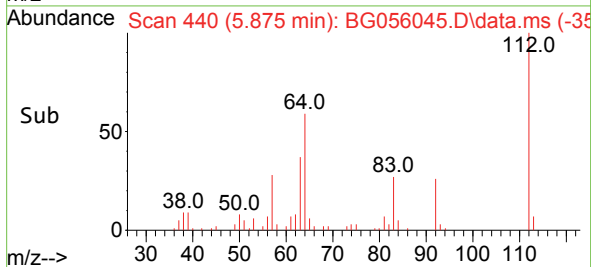
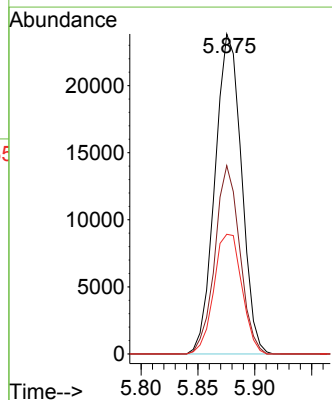
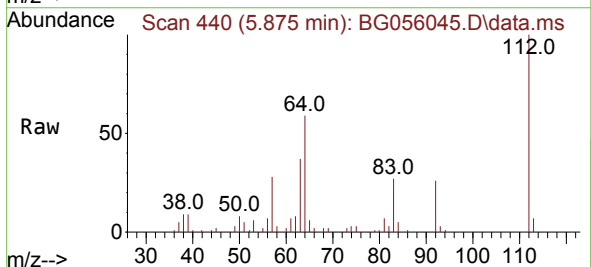
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.361 min Scan# 863
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

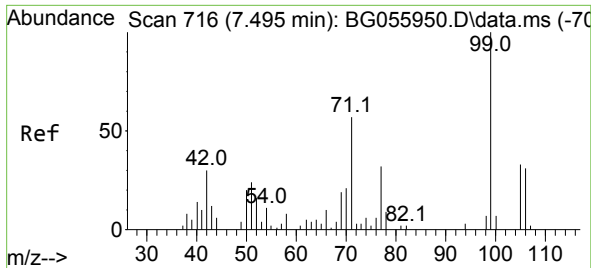
Tgt Ion:152 Resp: 9360
Ion Ratio Lower Upper
152 100
150 142.6 115.7 173.5
115 52.1 43.0 64.4



#5
2-Fluorophenol
Concen: 97.042 ng
RT: 5.875 min Scan# 440
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

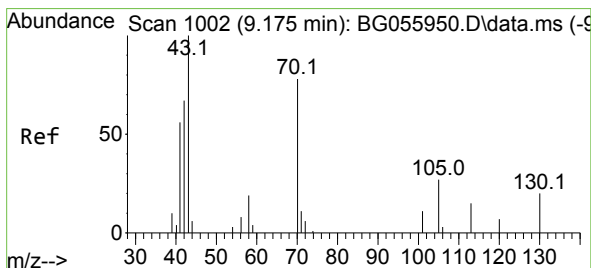
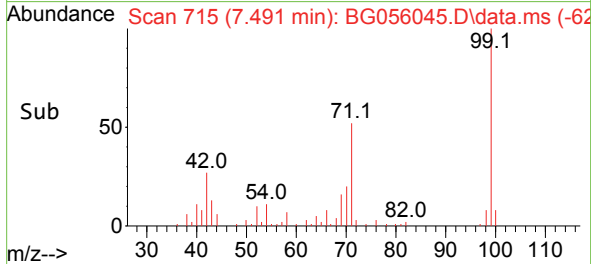
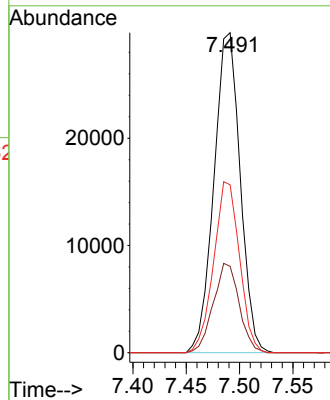
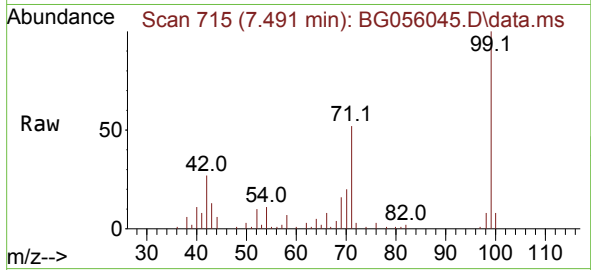
Tgt Ion:112 Resp: 38731
Ion Ratio Lower Upper
112 100
64 58.8 43.0 64.4
63 37.4 31.4 47.2





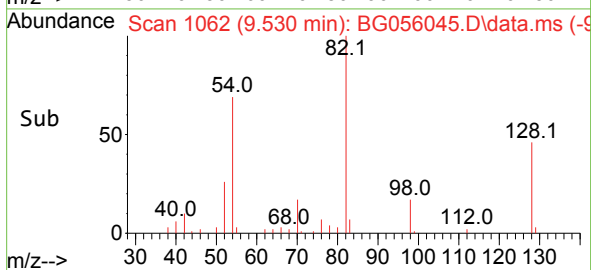
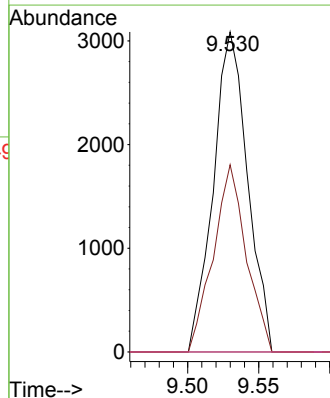
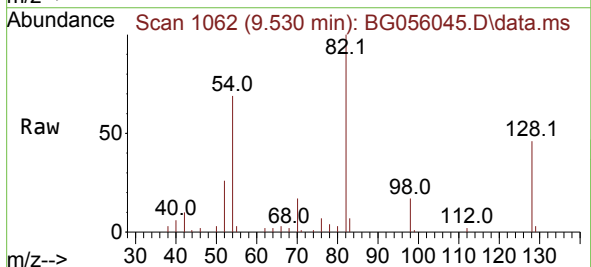
#7
Phenol-d6
Concen: 99.347 ng
RT: 7.491 min Scan# 715
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

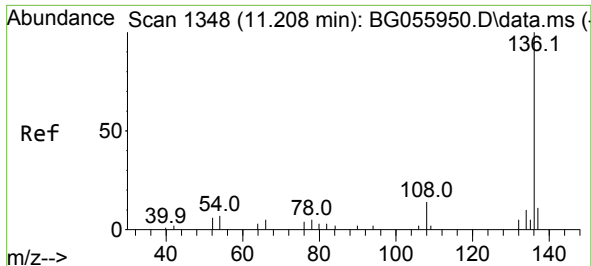
Tgt Ion: 99 Resp: 50997
Ion Ratio Lower Upper
99 100
42 27.0 24.3 36.5
71 52.4 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 14.059 ng
RT: 9.530 min Scan# 1062
Delta R.T. 0.360 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

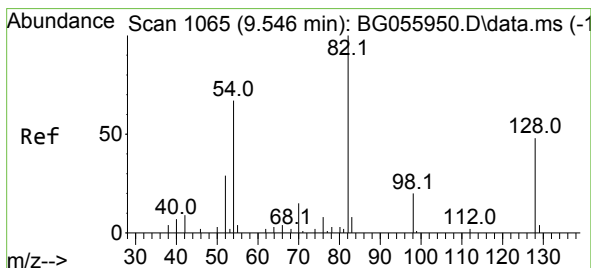
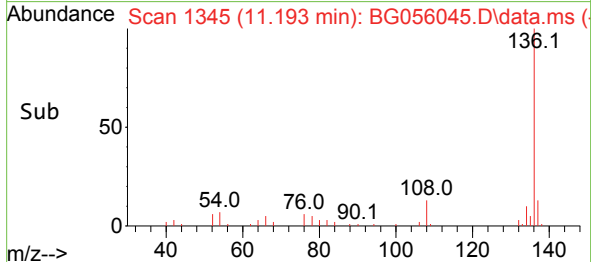
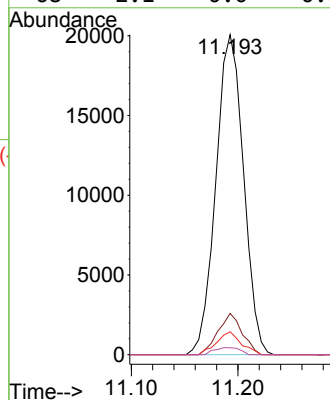
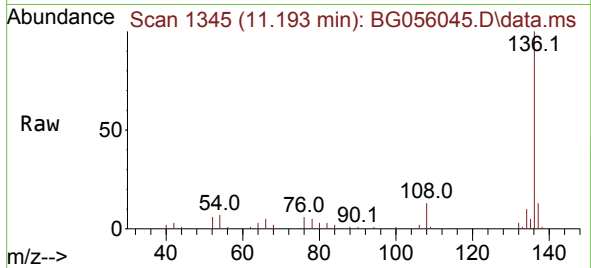
Tgt Ion: 70 Resp: 5173
Ion Ratio Lower Upper
70 100
42 58.5 69.0 103.4#
101 0.0 11.8 17.8#
130 0.0 21.0 31.4#





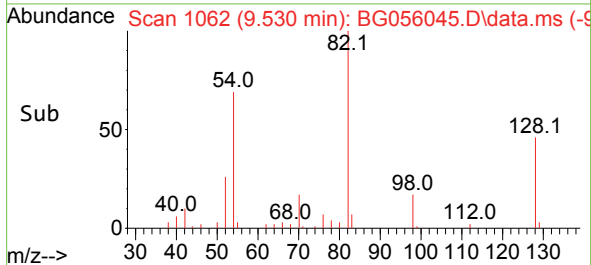
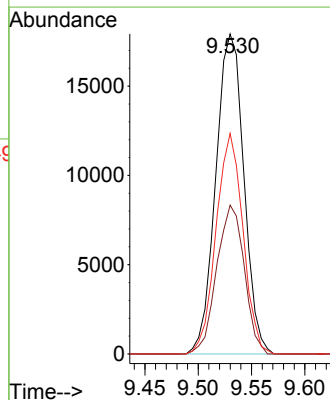
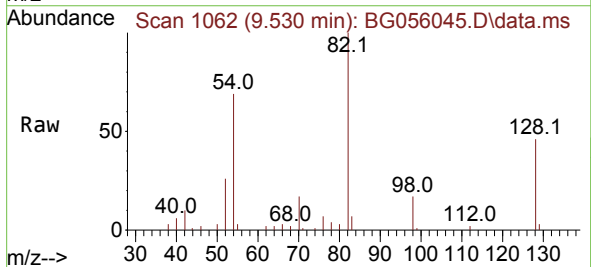
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.193 min Scan# 1345
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

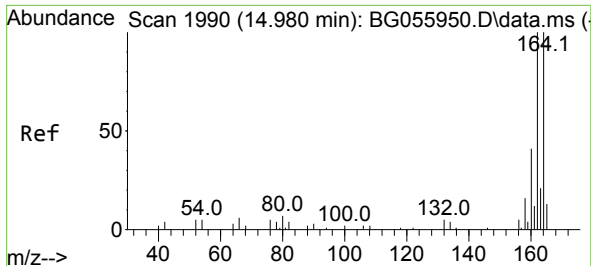
Tgt Ion:136 Resp: 36122
Ion Ratio Lower Upper
136 100
137 12.9 9.2 13.8
54 7.2 5.6 8.4
68 2.1 0.0 0.0#



#23
Nitrobenzene-d5
Concen: 63.413 ng
RT: 9.530 min Scan# 1062
Delta R.T. -0.010 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

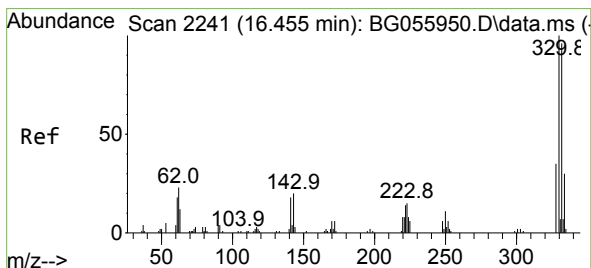
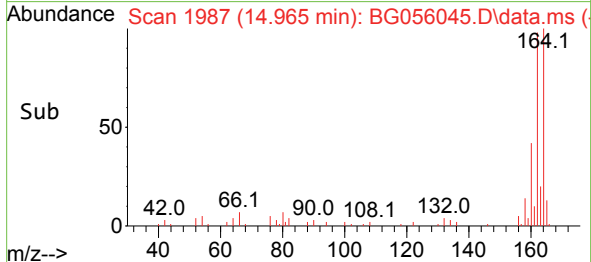
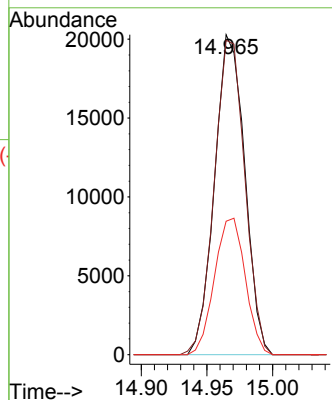
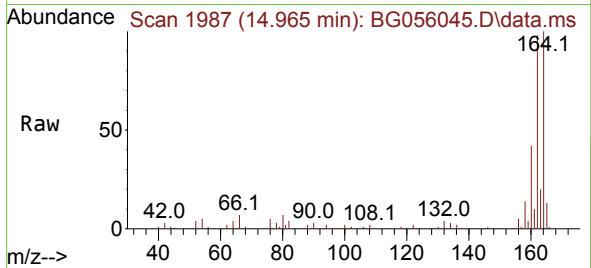
Tgt Ion: 82 Resp: 32778
Ion Ratio Lower Upper
82 100
128 46.5 38.4 57.6
54 68.9 53.3 79.9





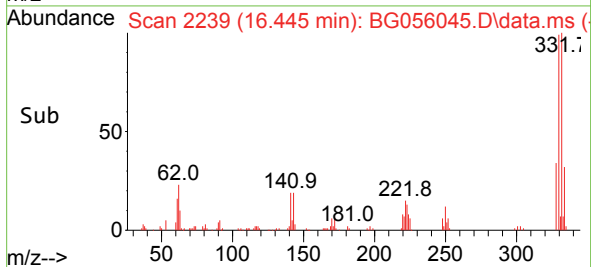
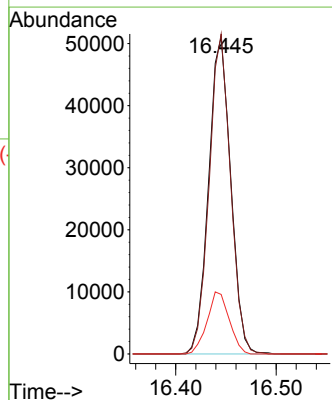
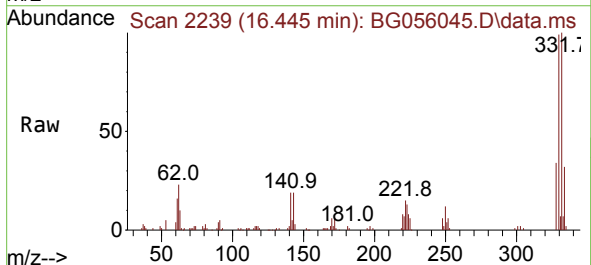
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.965 min Scan# 1987
Delta R.T. -0.010 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

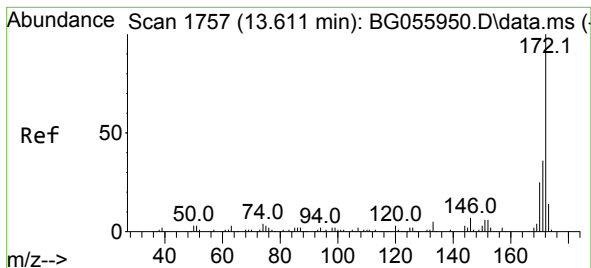
Tgt Ion:164 Resp: 32342
Ion Ratio Lower Upper
164 100
162 98.3 79.8 119.8
160 41.7 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 100.027 ng
RT: 16.445 min Scan# 2239
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

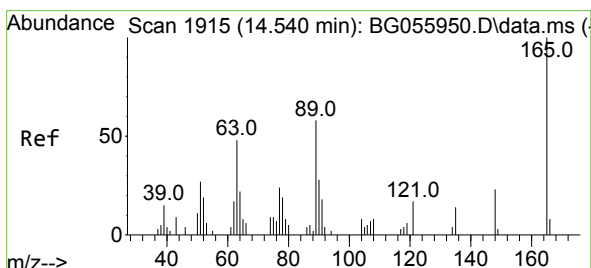
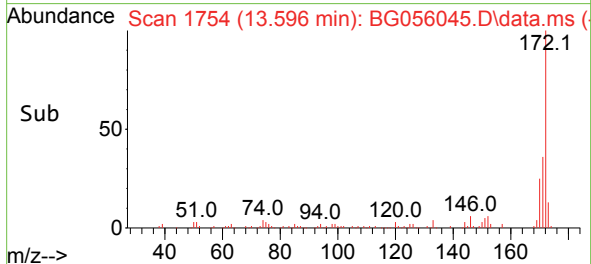
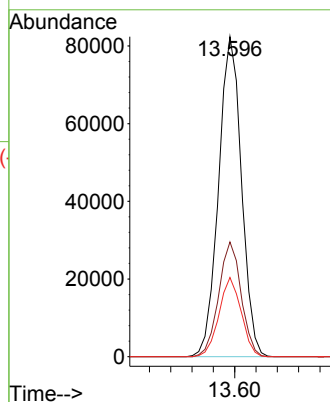
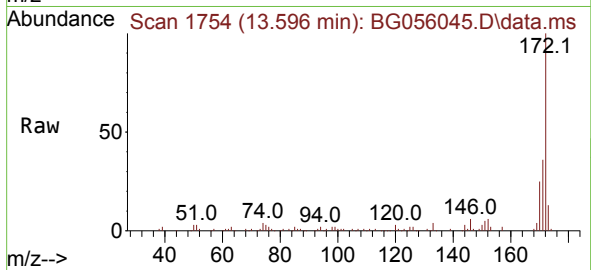
Tgt Ion:330 Resp: 78007
Ion Ratio Lower Upper
330 100
332 97.7 76.6 114.8
141 19.7 15.0 22.4





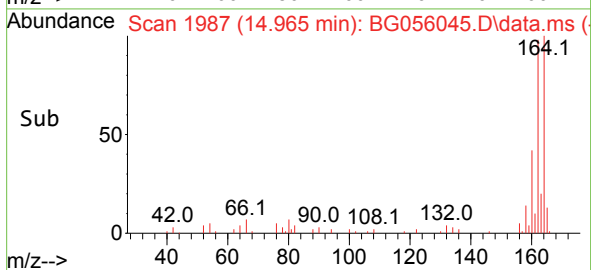
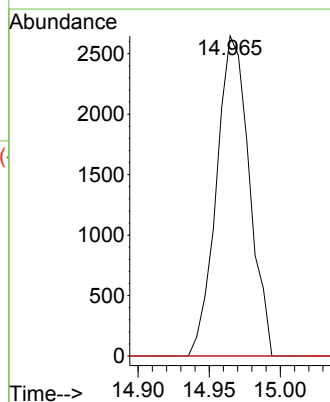
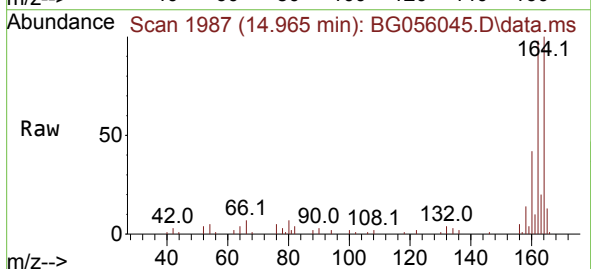
#45
2-Fluorobiphenyl
Concen: 53.207 ng
RT: 13.596 min Scan# 1754
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

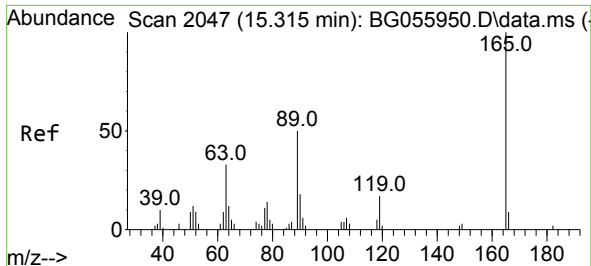
Tgt Ion:172	Resp:	122699
Ion Ratio	Lower	Upper
172	100	
171	35.9	28.6 42.8
170	24.8	19.9 29.9



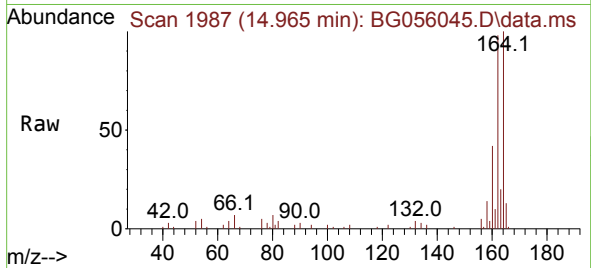
#51
2,6-Dinitrotoluene
Concen: 9.822 ng
RT: 14.965 min Scan# 1987
Delta R.T. 0.431 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

Tgt Ion:165	Resp:	4250
Ion Ratio	Lower	Upper
165	100	
63	0.0	38.3 57.5#
89	0.0	46.3 69.5#

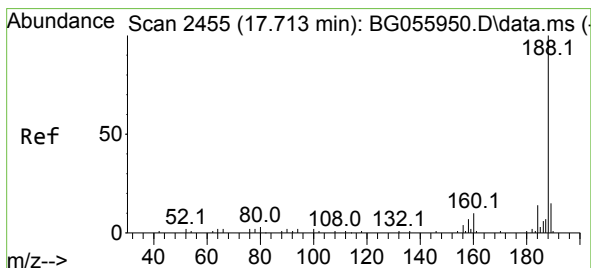
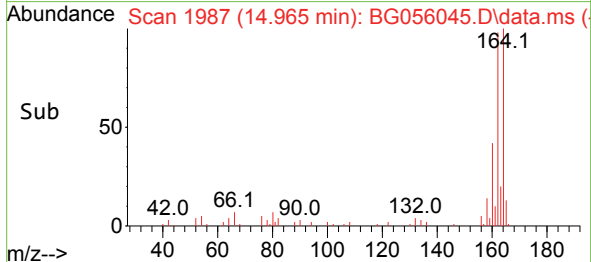
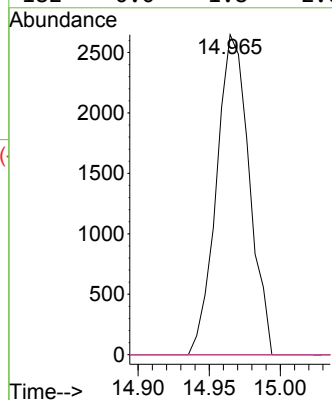




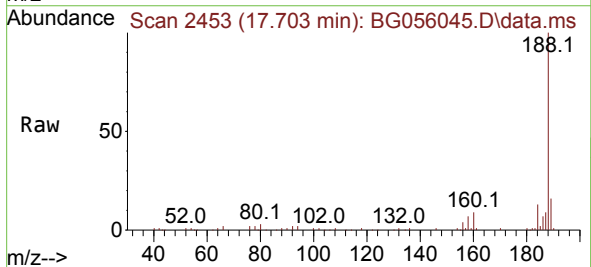
#57
2,4-Dinitrotoluene
Concen: 6.507 ng
RT: 14.965 min Scan# 1987
Delta R.T. -0.351 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36



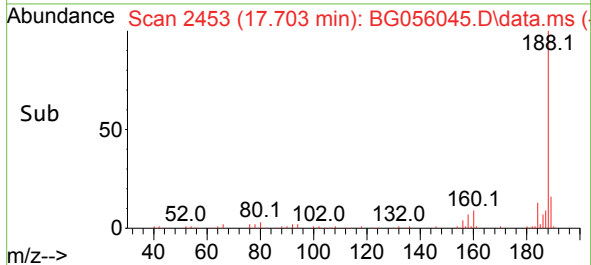
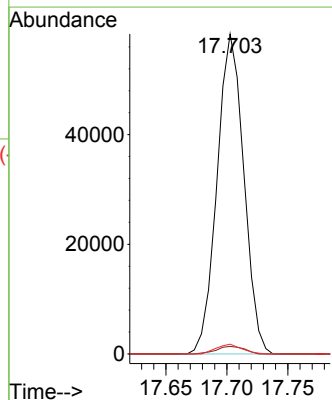
Tgt Ion:165 Resp: 4250
Ion Ratio Lower Upper
165 100
63 0.0 26.6 39.8#
89 0.0 40.1 60.1#
182 0.0 1.8 2.6#

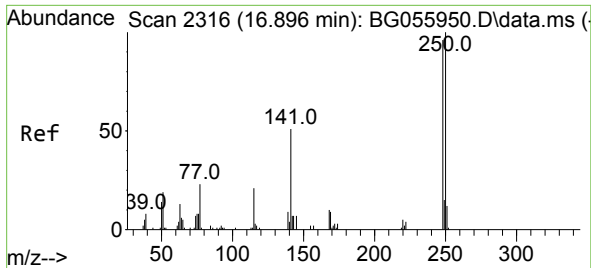


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.703 min Scan# 2453
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36



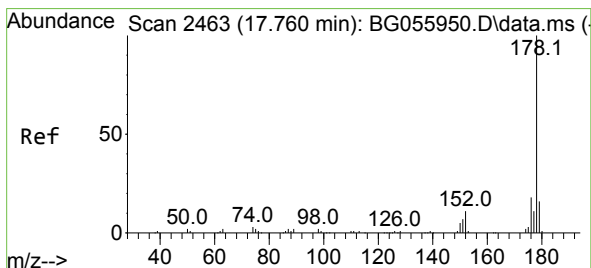
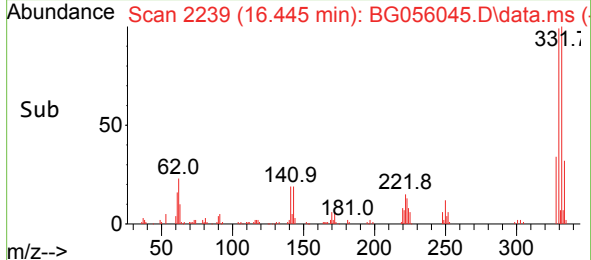
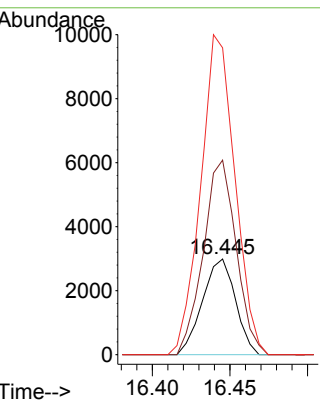
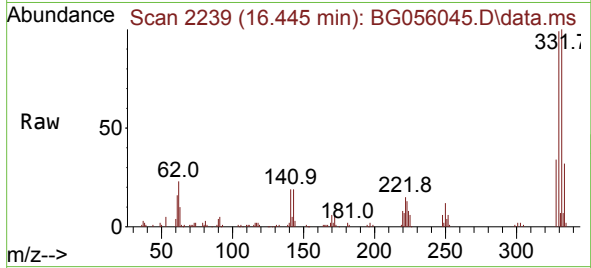
Tgt Ion:188 Resp: 89139
Ion Ratio Lower Upper
188 100
94 2.4 1.8 2.8
80 3.1 2.4 3.6





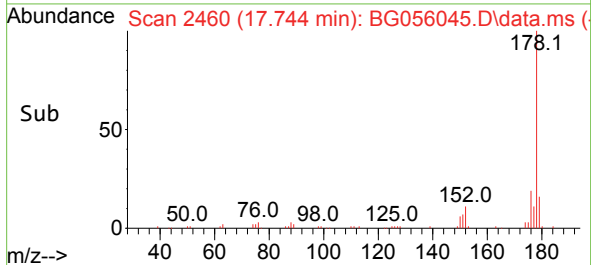
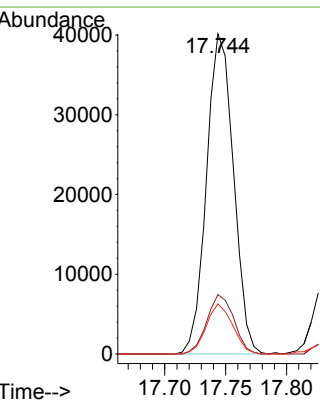
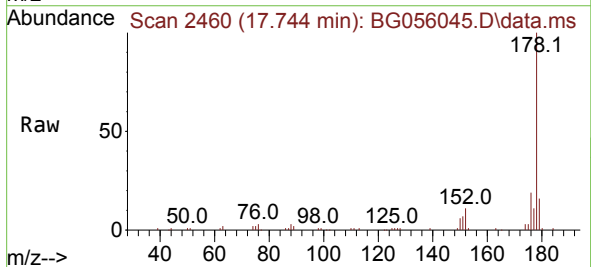
#67
4-Bromophenyl-phenylether
Concen: 3.377 ng
RT: 16.445 min Scan# 2239
Delta R.T. -0.445 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

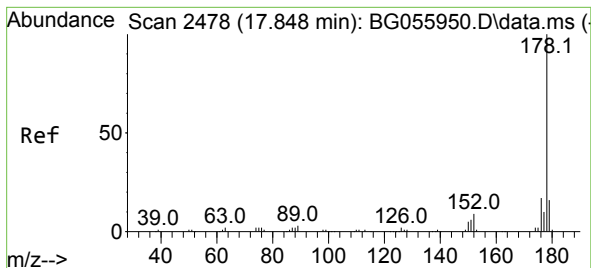
Tgt Ion:248 Resp: 4411
Ion Ratio Lower Upper
248 100
250 150.2 83.0 124.6#
141 237.0 42.6 64.0#



#71
Phenanthrene
Concen: 13.231 ng
RT: 17.744 min Scan# 2460
Delta R.T. -0.010 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

Tgt Ion:178 Resp: 61807
Ion Ratio Lower Upper
178 100
176 18.5 14.4 21.6
179 15.6 12.7 19.1





#72

Anthracene

Concen: 3.960 ng

RT: 17.838 min Scan# 2476

Delta R.T. -0.004 min

Lab File: BG056045.D

Acq: 21 Dec 2022 12:36

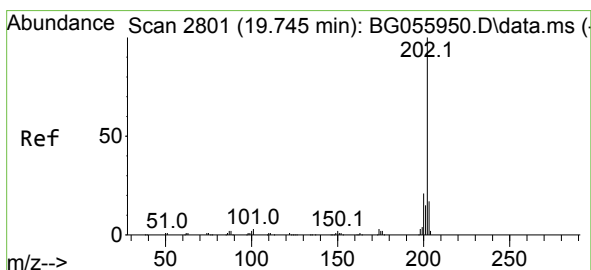
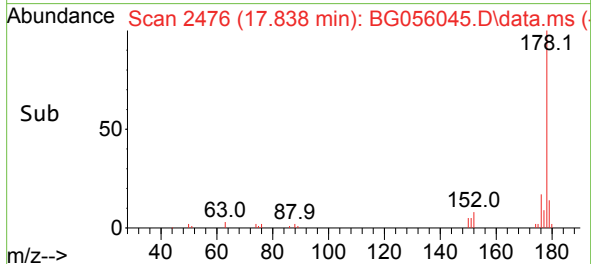
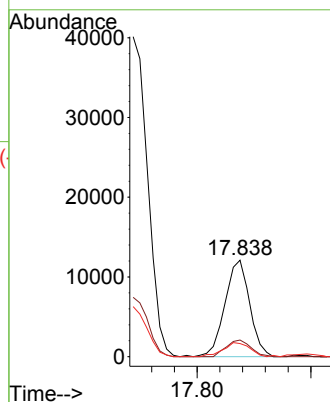
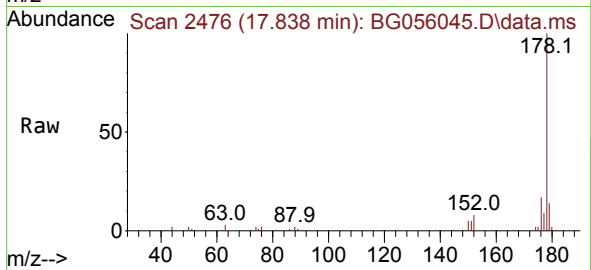
Tgt Ion:178 Resp: 18303

Ion Ratio Lower Upper

178 100

176 17.2 13.9 20.9

179 13.6 12.7 19.1



#75

Fluoranthene

Concen: 26.218 ng

RT: 19.735 min Scan# 2799

Delta R.T. -0.004 min

Lab File: BG056045.D

Acq: 21 Dec 2022 12:36

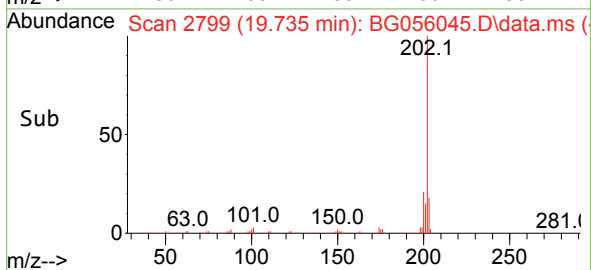
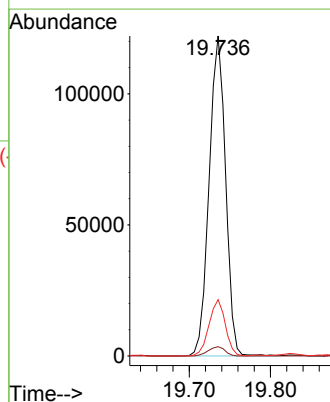
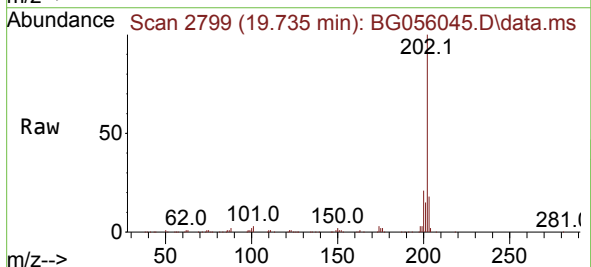
Tgt Ion:202 Resp: 171501

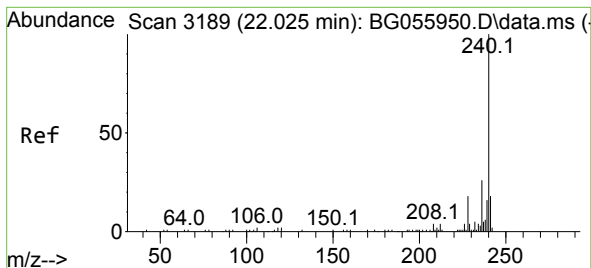
Ion Ratio Lower Upper

202 100

101 2.9 0.0 22.6

203 17.6 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.009 min Scan# 3186

Delta R.T. -0.004 min

Lab File: BG056045.D

Acq: 21 Dec 2022 12:36

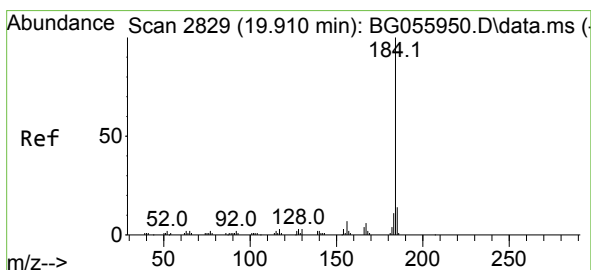
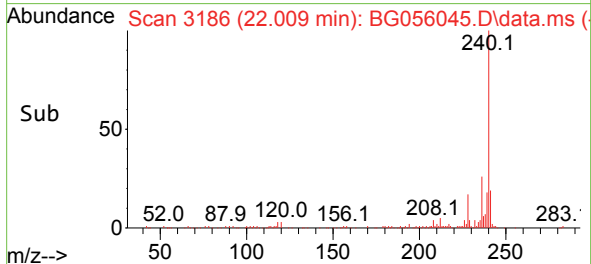
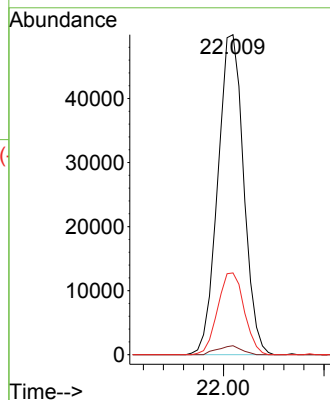
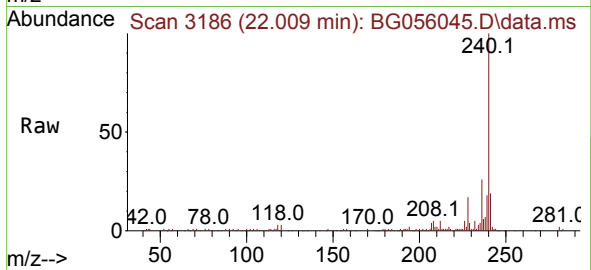
Tgt Ion:240 Resp: 89142

Ion Ratio Lower Upper

240 100

120 2.8 1.7 2.5#

236 25.6 21.1 31.7



#77

Benzidine

Concen: 2.701 ng

RT: 20.276 min Scan# 2891

Delta R.T. 0.372 min

Lab File: BG056045.D

Acq: 21 Dec 2022 12:36

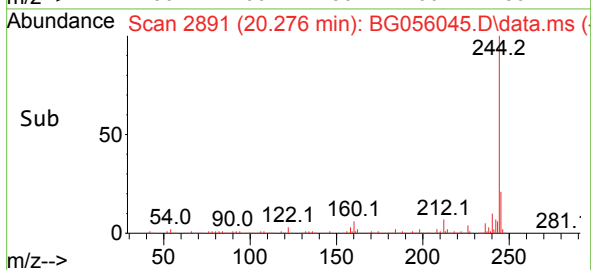
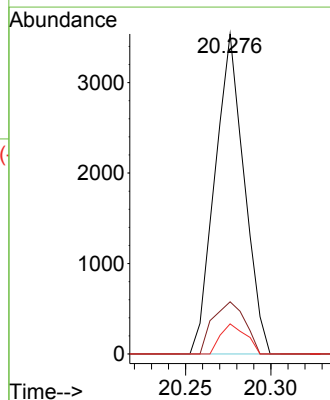
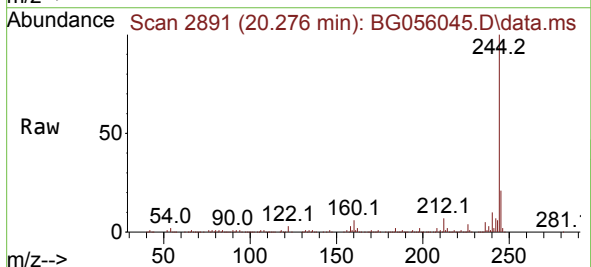
Tgt Ion:184 Resp: 4228

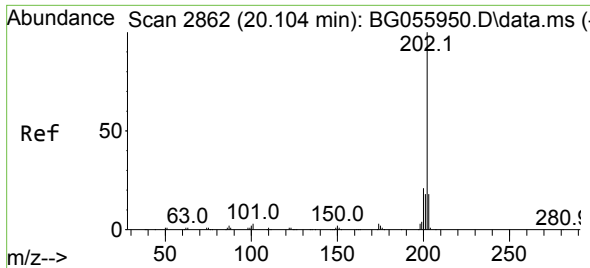
Ion Ratio Lower Upper

184 100

185 16.3 10.9 16.3

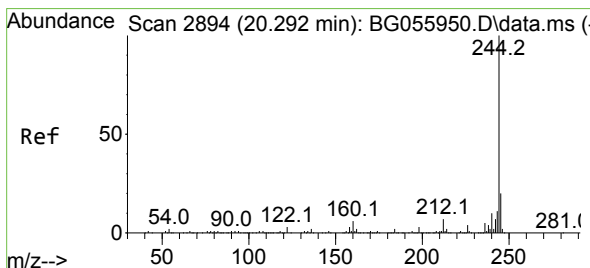
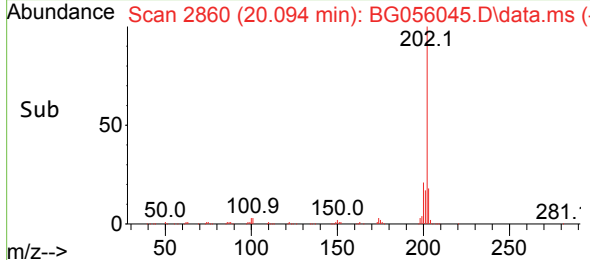
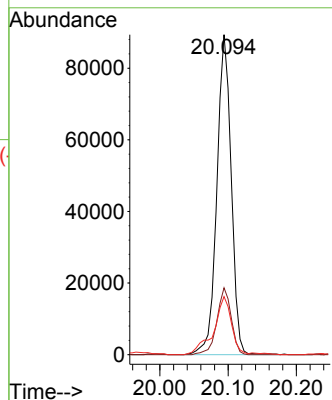
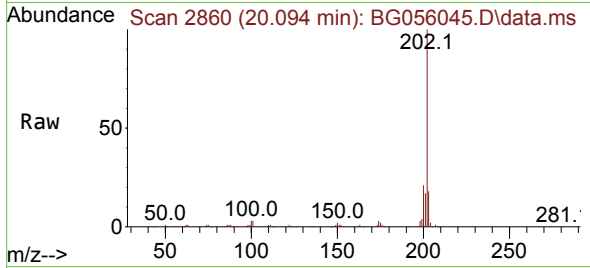
183 9.4 9.2 13.8





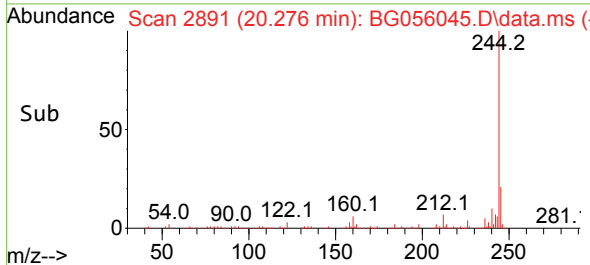
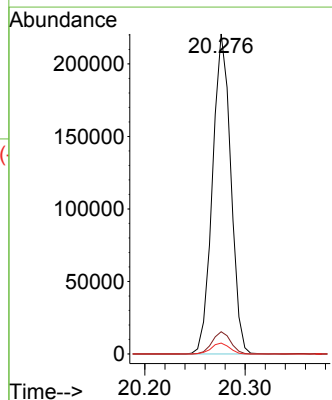
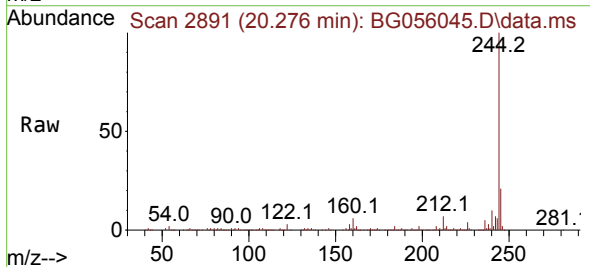
#78
Pyrene
Concen: 24.262 ng
RT: 20.094 min Scan# 2860
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

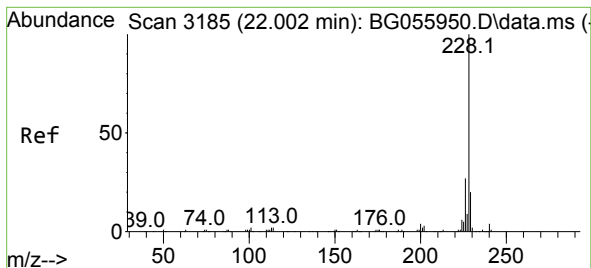
Tgt Ion:202	Resp:	130872
Ion Ratio	Lower	Upper
202	100	
200	20.9	16.7 25.1
203	18.2	14.6 21.8



#79
Terphenyl-d14
Concen: 55.522 ng
RT: 20.276 min Scan# 2891
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

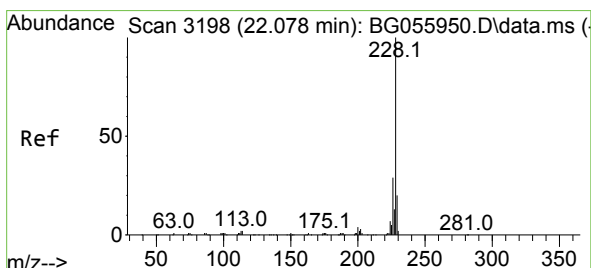
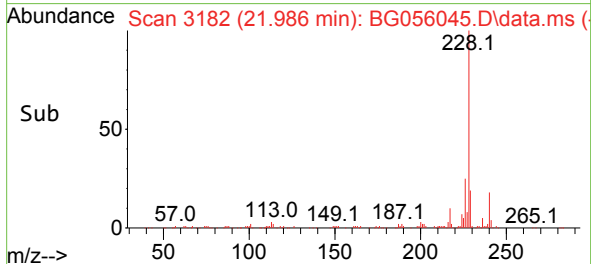
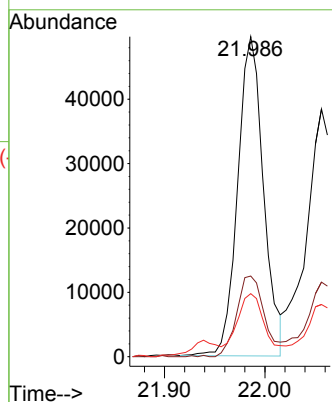
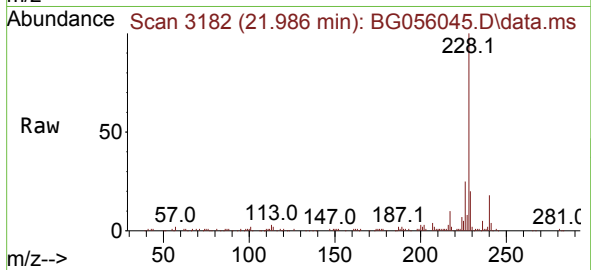
Tgt Ion:244	Resp:	280037
Ion Ratio	Lower	Upper
244	100	
212	7.0	5.8 8.6
122	3.4	2.5 3.7





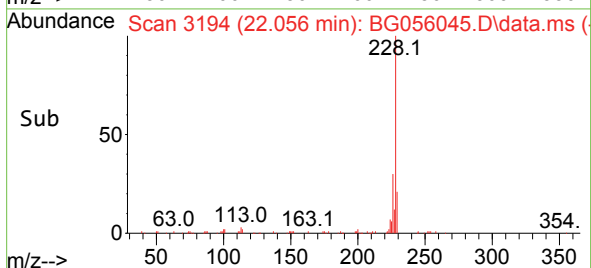
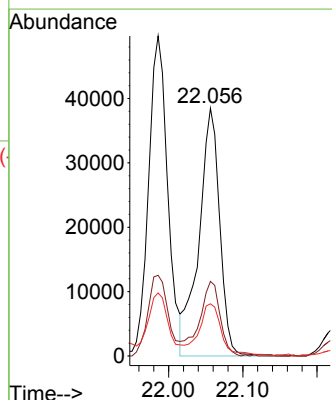
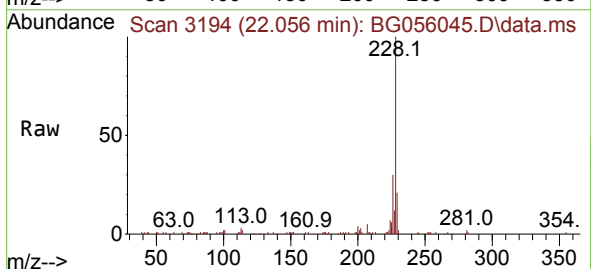
#81
Benzo(a)anthracene
Concen: 14.154 ng
RT: 21.986 min Scan# 3182
Delta R.T. -0.010 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

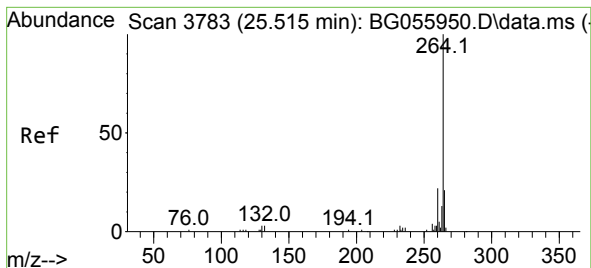
Tgt Ion:228 Resp: 88784
Ion Ratio Lower Upper
228 100
226 25.2 21.8 32.6
229 19.7 15.9 23.9



#83
Chrysene
Concen: 12.784 ng
RT: 22.056 min Scan# 3194
Delta R.T. -0.010 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

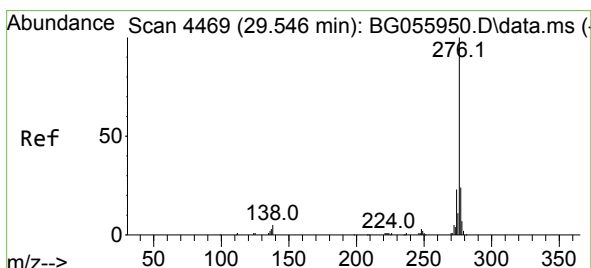
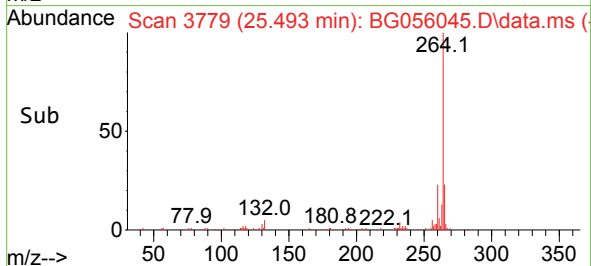
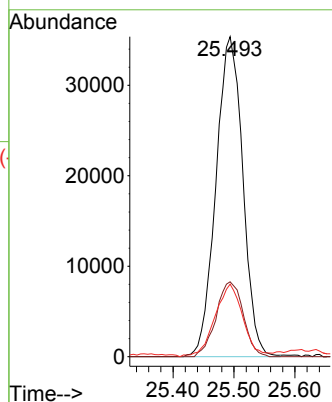
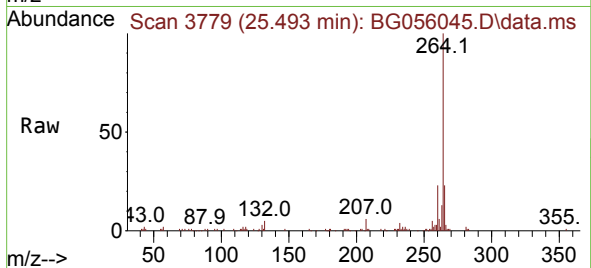
Tgt Ion:228 Resp: 75153
Ion Ratio Lower Upper
228 100
226 30.1 23.1 34.7
229 21.0 15.7 23.5





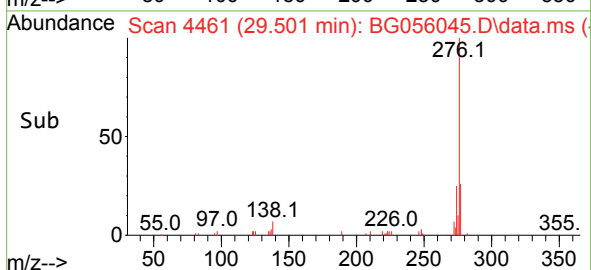
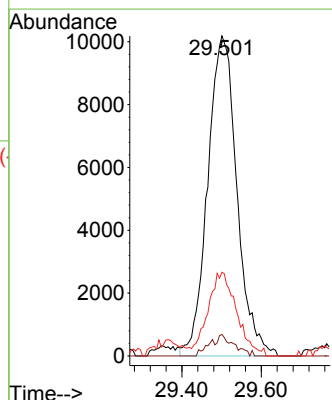
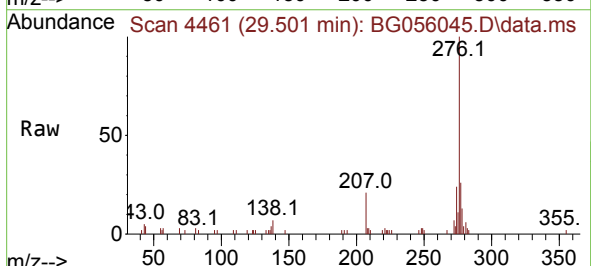
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.493 min Scan# 3779
Delta R.T. -0.004 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

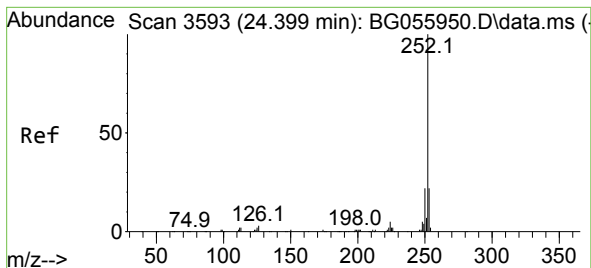
Tgt Ion:264	Resp:	108109
Ion Ratio	Lower	Upper
264	100	
260	23.4	17.8 26.8
265	22.6	16.6 25.0



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.991 ng
RT: 29.501 min Scan# 4461
Delta R.T. -0.022 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

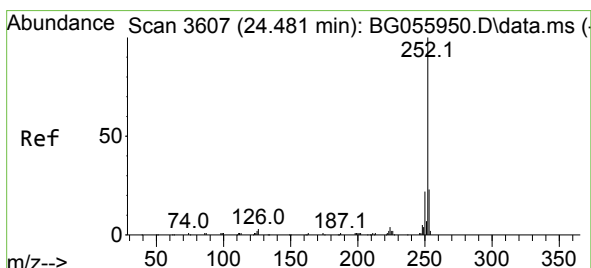
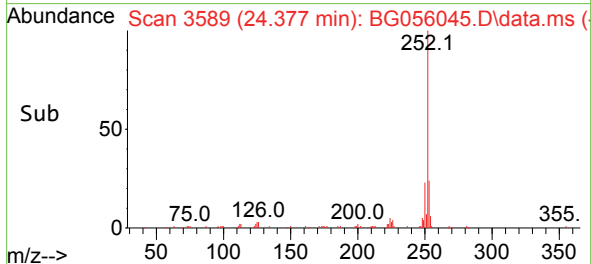
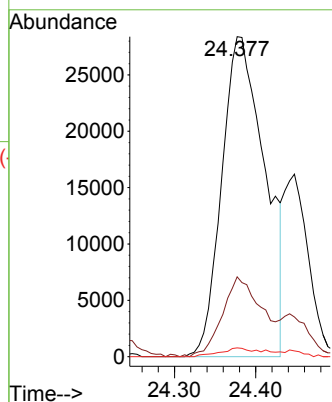
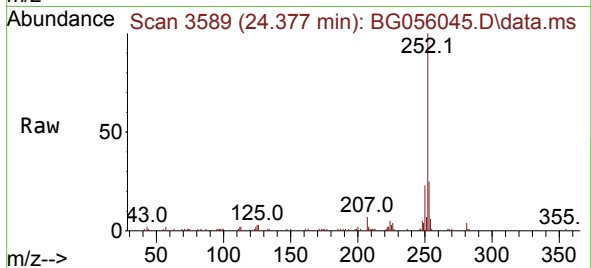
Tgt Ion:276	Resp:	52082
Ion Ratio	Lower	Upper
276	100	
138	3.7	3.0 4.4
277	25.6	20.4 30.6





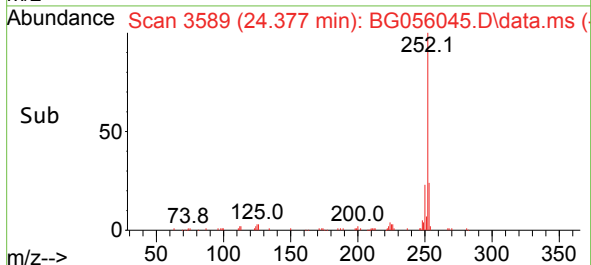
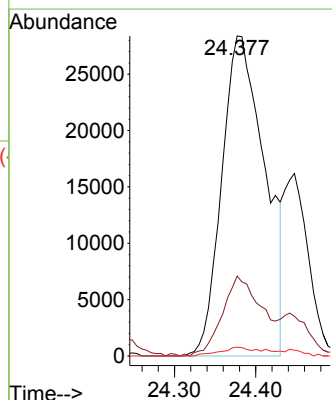
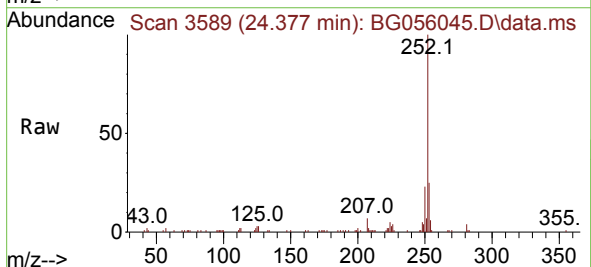
#88
Benzo(b)fluoranthene
Concen: 14.976 ng
RT: 24.377 min Scan# 3589
Delta R.T. -0.010 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

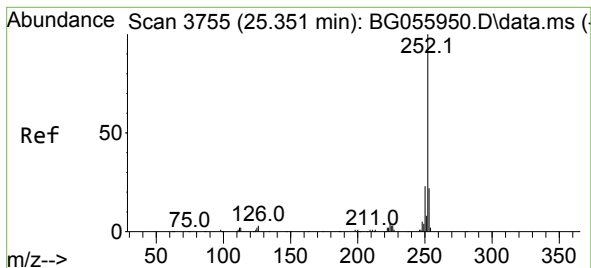
Tgt Ion:252 Resp: 104783
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.0
125 2.7 1.8 2.8



#89
Benzo(k)fluoranthene
Concen: 15.010 ng
RT: 24.377 min Scan# 3589
Delta R.T. -0.086 min
Lab File: BG056045.D
Acq: 21 Dec 2022 12:36

Tgt Ion:252 Resp: 104783
Ion Ratio Lower Upper
252 100
253 24.9 18.2 27.2
125 2.7 2.0 3.0





#90

Benzo(a)pyrene

Concen: 12.493 ng

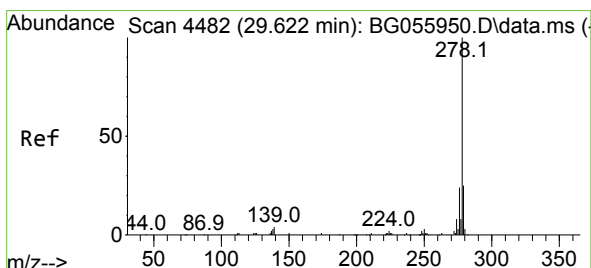
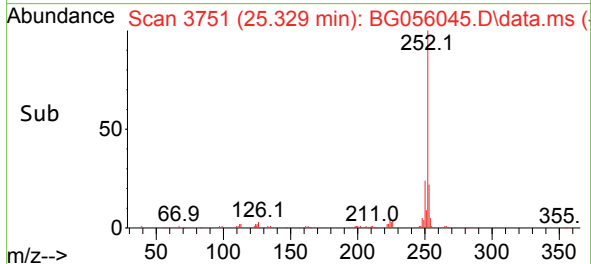
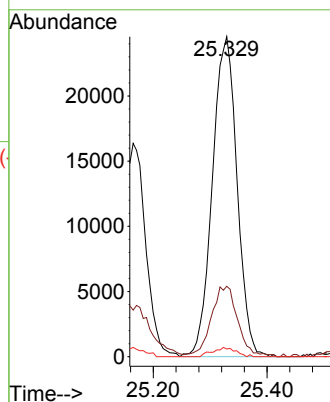
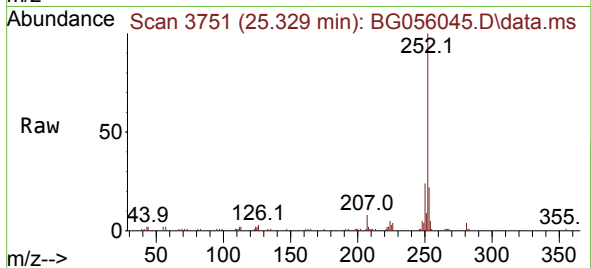
RT: 25.329 min Scan# 3751

Delta R.T. -0.004 min

Lab File: BG056045.D

Acq: 21 Dec 2022 12:36

Tgt Ion:252 Resp: 73887
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.7 26.5
 125 2.4 1.9 2.9



#91

Dibenzo(a,h)anthracene

Concen: 2.052 ng

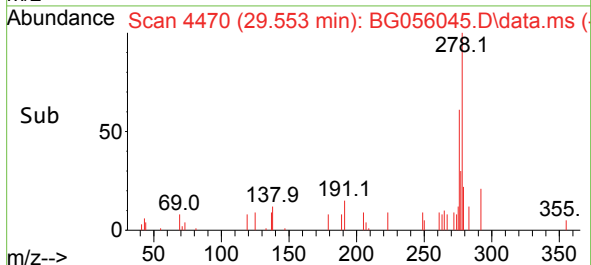
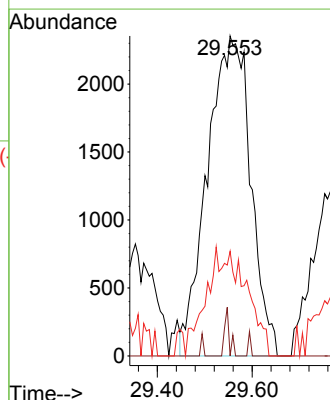
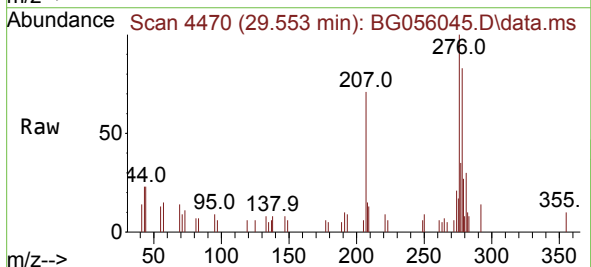
RT: 29.553 min Scan# 4470

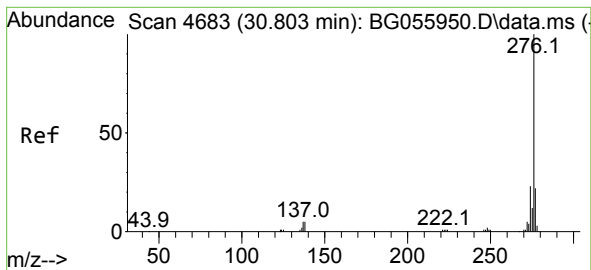
Delta R.T. -0.039 min

Lab File: BG056045.D

Acq: 21 Dec 2022 12:36

Tgt Ion:278 Resp: 14933
 Ion Ratio Lower Upper
 278 100
 139 0.0 2.9 4.3#
 279 32.7 20.0 30.0#





#92
 Benzo(g,h,i)perylene
 Concen: 6.611 ng
 RT: 30.764 min Scan# 4676
 Delta R.T. -0.028 min
 Lab File: BG056045.D
 Acq: 21 Dec 2022 12:36

Tgt Ion:	276	Resp:	46513
Ion	Ratio	Lower	Upper
276	100		
277	22.8	17.8	26.6
138	4.8	3.8	5.6

