

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122022\
 Data File : BG056033.D
 Acq On : 20 Dec 2022 17:06
 Operator : CG/JU
 Sample : N6135-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 21 02:38:07 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

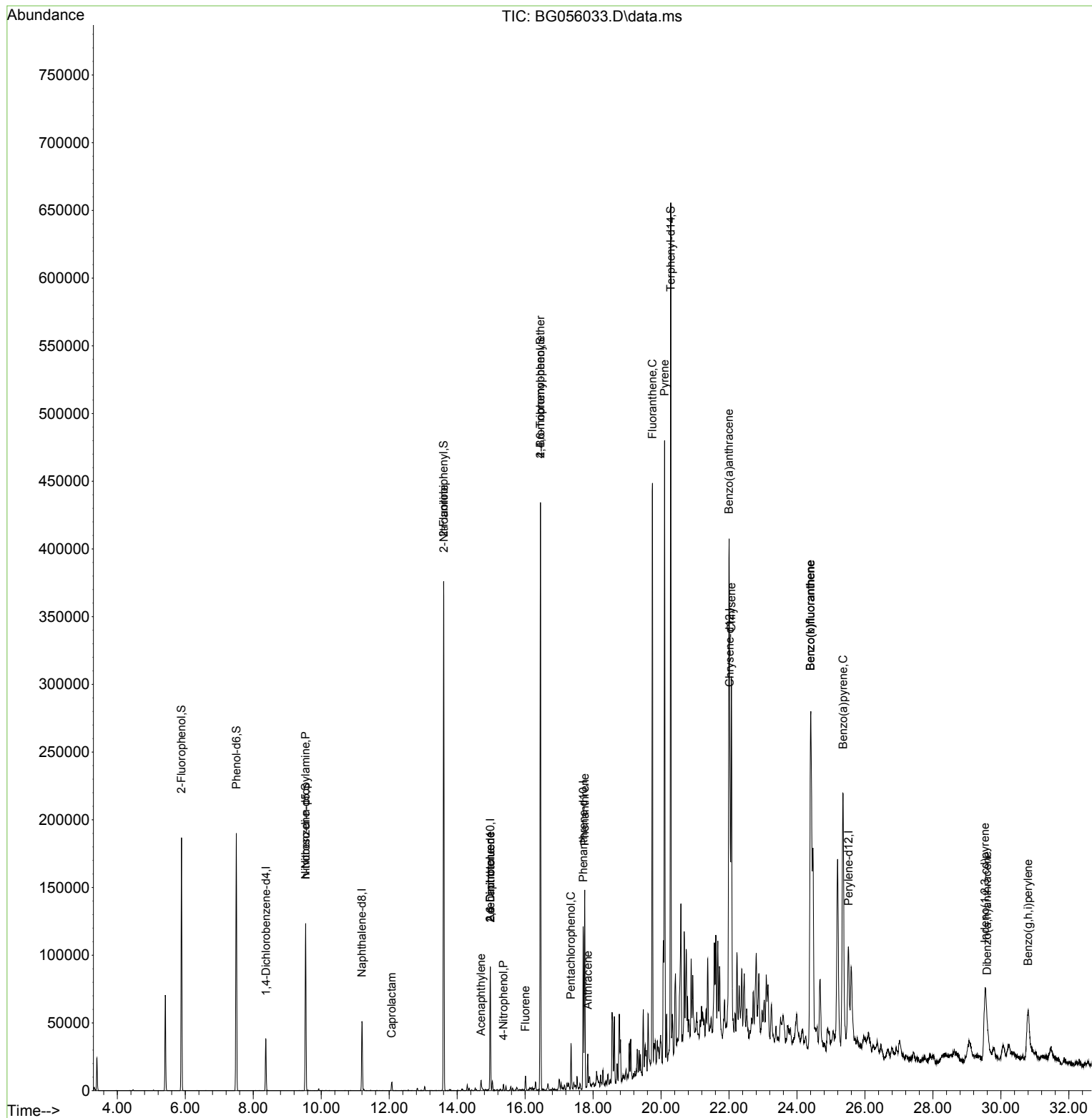
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

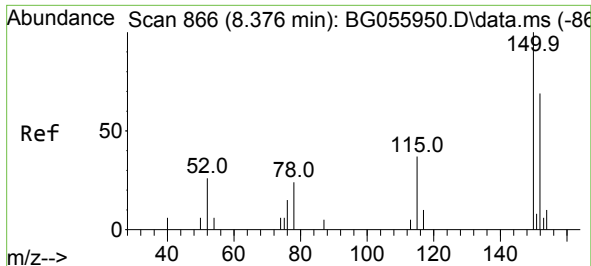
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.371	152	12033	20.000	ng	0.00
21) Naphthalene-d8	11.198	136	46203	20.000	ng	# 0.00
39) Acenaphthene-d10	14.975	164	35525	20.000	ng	0.00
64) Phenanthrene-d10	17.708	188	85858	20.000	ng	0.00
76) Chrysene-d12	22.020	240	84994	20.000	ng	# 0.00
86) Perylene-d12	25.516	264	97799	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.886	112	75104	146.374	ng	0.00
7) Phenol-d6	7.502	99	91463	138.599	ng	0.00
23) Nitrobenzene-d5	9.541	82	64036	96.855	ng	0.00
42) 2,4,6-Tribromophenol	16.450	330	111315	129.948	ng	0.00
45) 2-Fluorobiphenyl	13.601	172	205608	81.172	ng	0.00
79) Terphenyl-d14	20.287	244	343861	71.504	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.541	70	9750	20.612	ng	# 61
35) Caprolactam	12.073	113	1247	4.766	ng	# 84
48) 2-Nitroaniline	13.606	65	144	3.166	ng	# 1
49) Acenaphthylene	14.705	152	9528	3.051	ng	# 92
51) 2,6-Dinitrotoluene	14.975	165	4977	10.472	ng	# 25
56) 4-Nitrophenol	15.363	139	870	2.246	ng	# 1
57) 2,4-Dinitrotoluene	14.975	165	4977	6.937	ng	# 35
58) Fluorene	16.010	166	5965	2.070	ng	# 96
67) 4-Bromophenyl-phenylether	16.450	248	6181	4.913	ng	# 1
70) Pentachlorophenol	17.349	266	7342	8.287	ng	93
71) Phenanthrene	17.755	178	104105	23.137	ng	98
72) Anthracene	17.843	178	20094	4.514	ng	97
75) Fluoranthene	19.746	202	312825	49.651	ng	98
78) Pyrene	20.105	202	316685	61.575	ng	98
81) Benzo(a)anthracene	21.997	228	267010	44.644	ng	98
83) Chrysene	22.067	228	246197	43.922	ng	96
87) Indeno(1,2,3-cd)pyrene	29.535	276	151258	19.233	ng	# 90
88) Benzo(b)fluoranthene	24.400	252	415894	65.708	ng	99
89) Benzo(k)fluoranthene	24.400	252	415894	65.859	ng	99
90) Benzo(a)pyrene	25.357	252	299025	55.891	ng	99
91) Dibenzo(a,h)anthracene	29.594	278	21555	3.275	ng	# 89
92) Benzo(g,h,i)perylene	30.804	276	115911	18.213	ng	96

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

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Data File : BG056033.D
Acq On : 20 Dec 2022 17:06
Operator : CG/JU
Sample : N6135-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

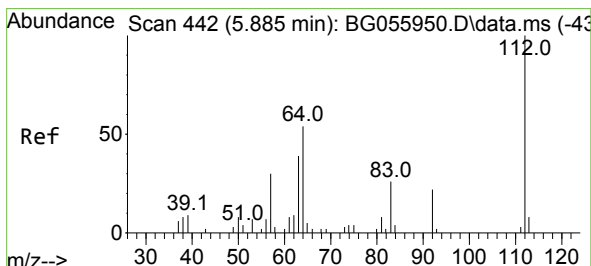
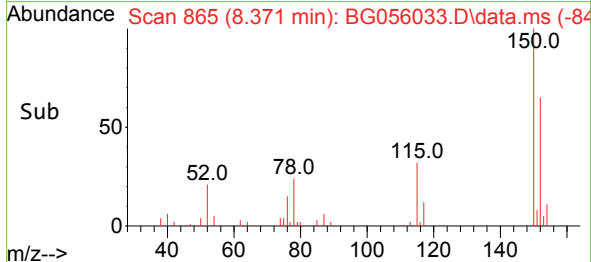
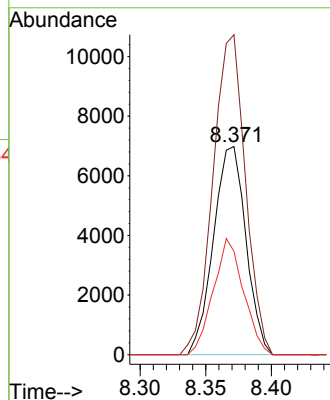
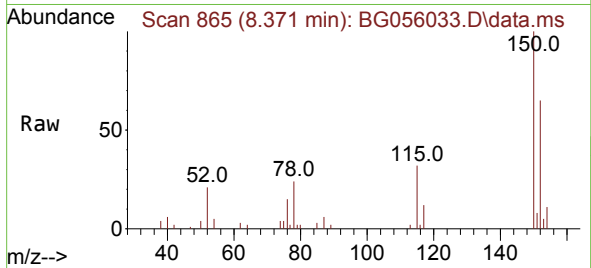
Quant Time: Dec 21 02:38:07 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 01:11:10 2022
Response via : Initial Calibration





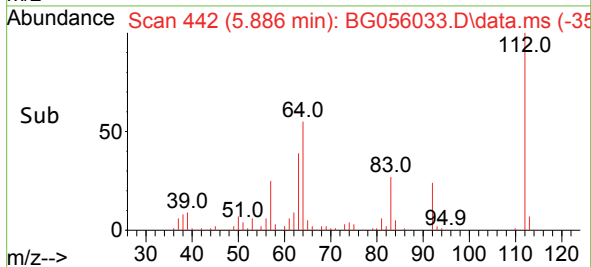
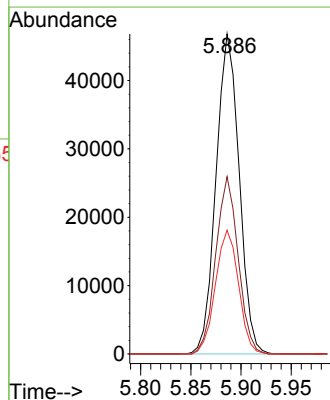
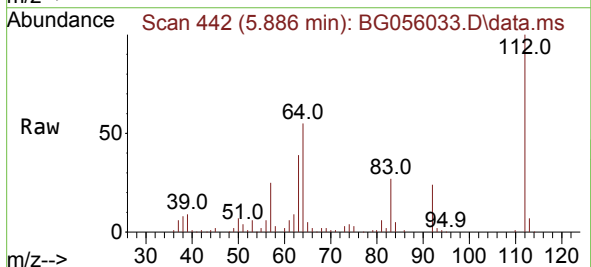
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.371 min Scan# 865
Delta R.T. 0.006 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

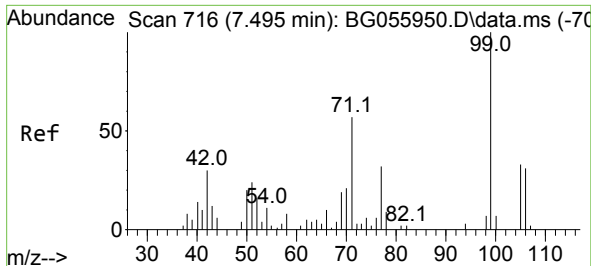
Tgt Ion:152 Resp: 12033
Ion Ratio Lower Upper
152 100
150 153.7 115.7 173.5
115 49.7 43.0 64.4



#5
2-Fluorophenol
Concen: 146.374 ng
RT: 5.886 min Scan# 442
Delta R.T. 0.007 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

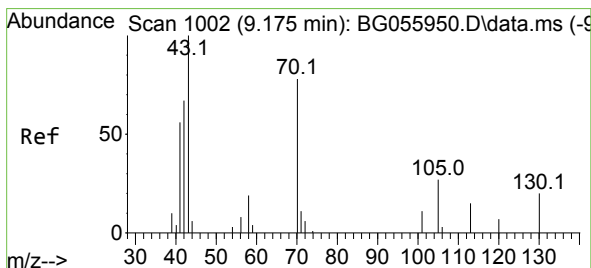
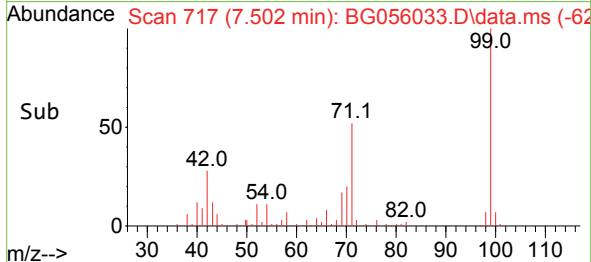
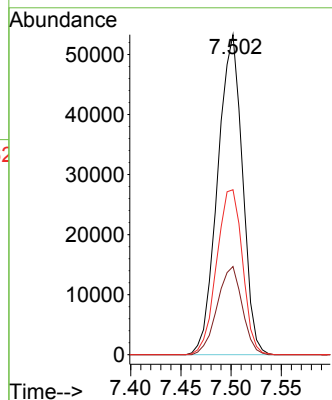
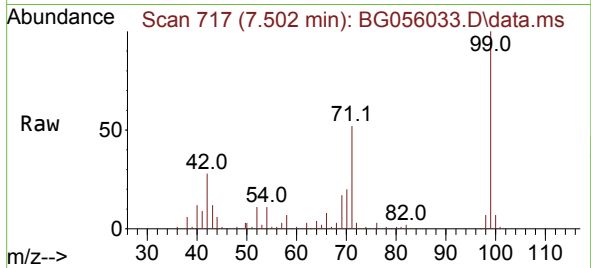
Tgt Ion:112 Resp: 75104
Ion Ratio Lower Upper
112 100
64 55.4 43.0 64.4
63 38.6 31.4 47.2





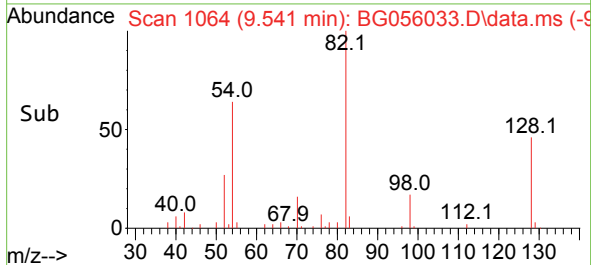
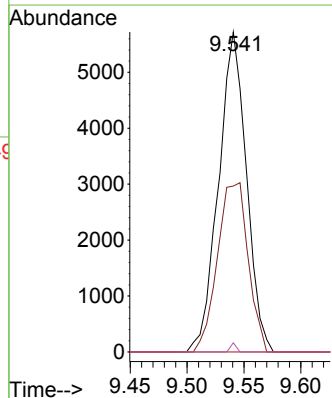
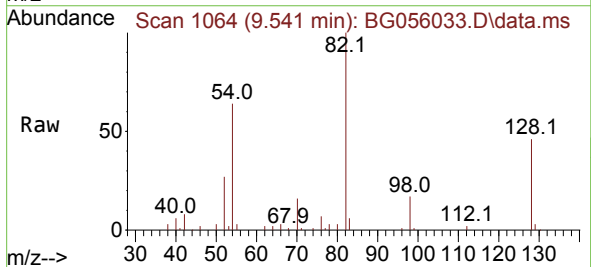
#7
Phenol-d6
Concen: 138.599 ng
RT: 7.502 min Scan# 717
Delta R.T. 0.007 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

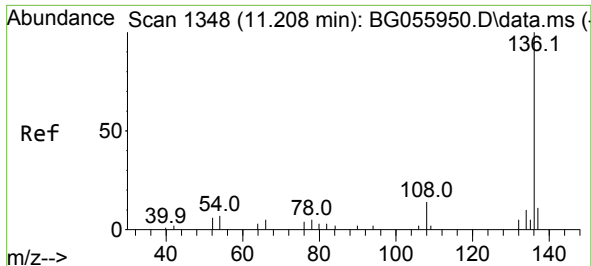
Tgt Ion: 99 Resp: 91463
Ion Ratio Lower Upper
99 100
42 27.5 24.3 36.5
71 51.5 45.6 68.4



#19
n-Nitroso-di-n-propylamine
Concen: 20.612 ng
RT: 9.541 min Scan# 1064
Delta R.T. 0.371 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

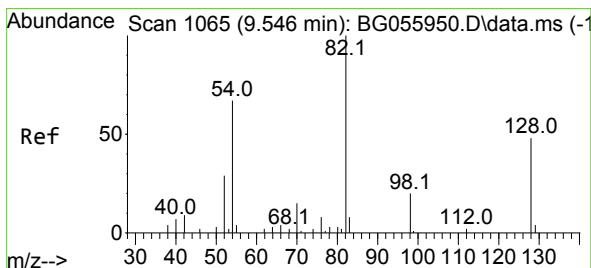
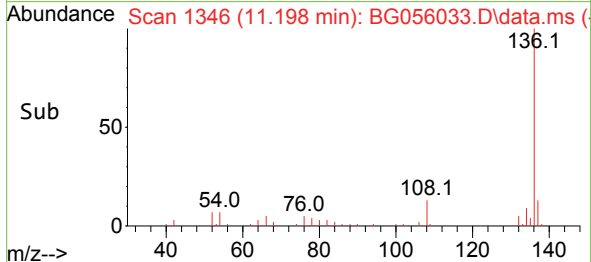
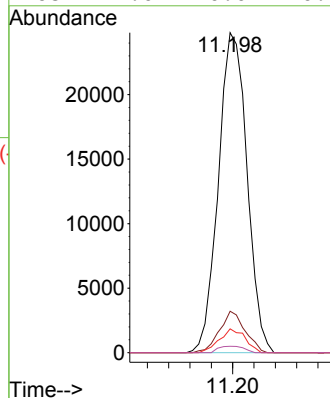
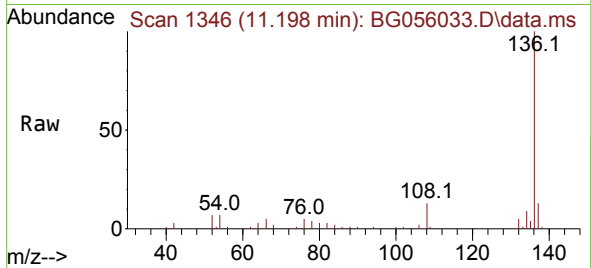
Tgt Ion: 70 Resp: 9750
Ion Ratio Lower Upper
70 100
42 51.8 69.0 103.4#
101 0.0 11.8 17.8#
130 2.8 21.0 31.4#





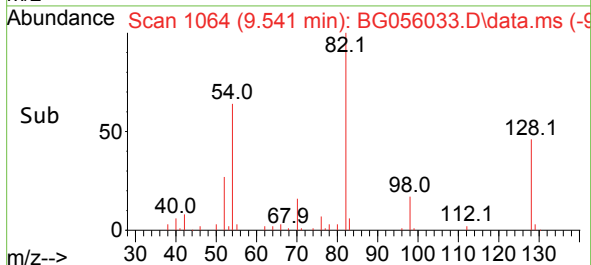
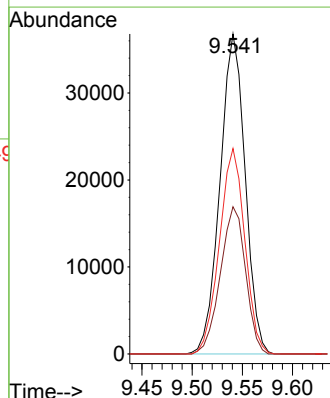
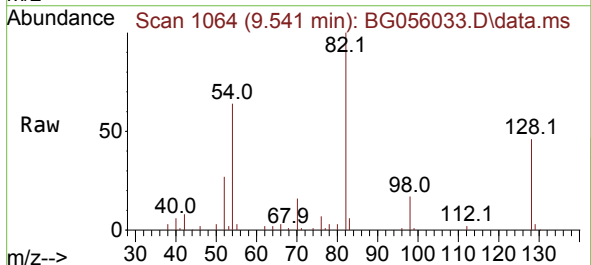
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.198 min Scan# 1346
Delta R.T. 0.001 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

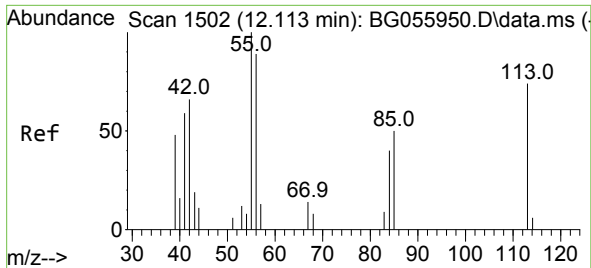
Tgt Ion:136	Resp:	46203
Ion Ratio	Lower	Upper
136	100	
137	13.0	9.2 13.8
54	7.5	5.6 8.4
68	2.0	0.0 0.0#



#23
Nitrobenzene-d5
Concen: 96.855 ng
RT: 9.541 min Scan# 1064
Delta R.T. 0.001 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

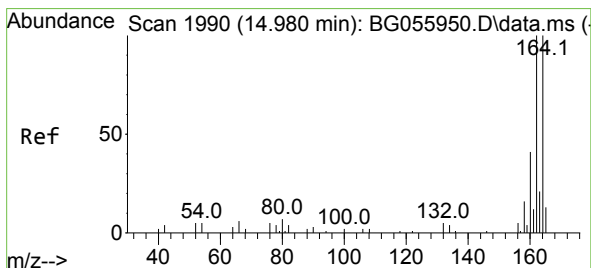
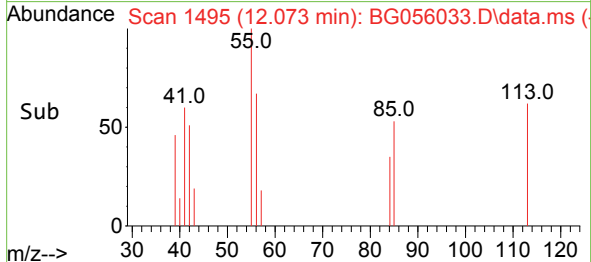
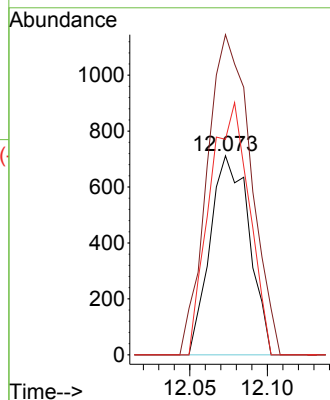
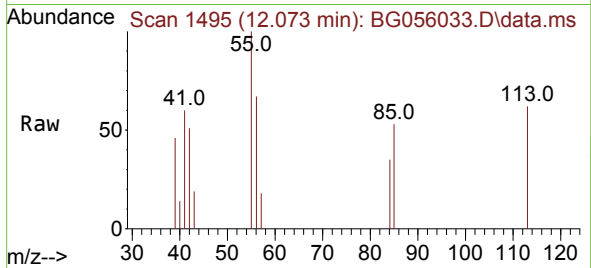
Tgt Ion: 82	Resp:	64036
Ion Ratio	Lower	Upper
82	100	
128	46.0	38.4 57.6
54	64.2	53.3 79.9





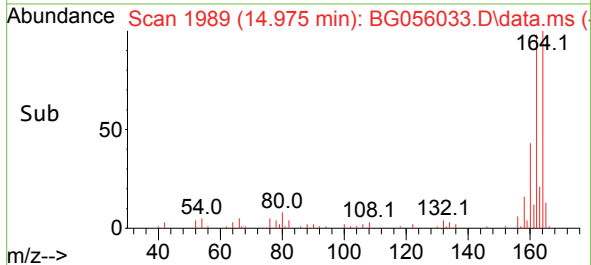
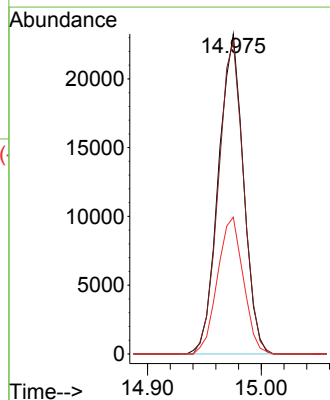
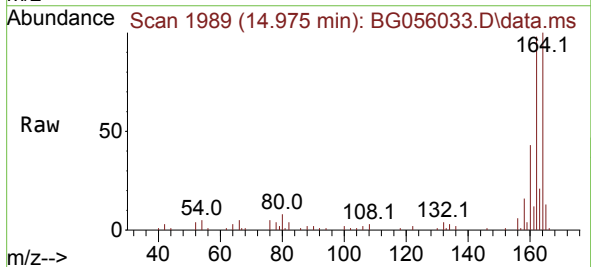
#35
Caprolactam
Concen: 4.766 ng
RT: 12.073 min Scan# 1495
Delta R.T. -0.040 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

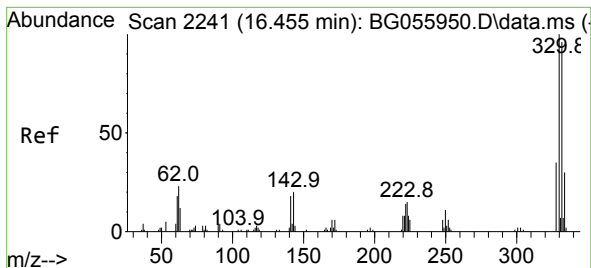
Tgt Ion:113 Resp: 1247
Ion Ratio Lower Upper
113 100
55 160.8 114.8 154.8#
56 108.3 99.8 139.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.975 min Scan# 1989
Delta R.T. 0.001 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

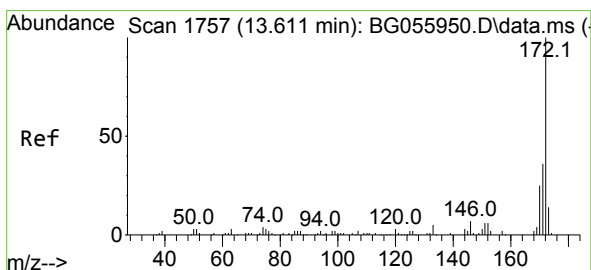
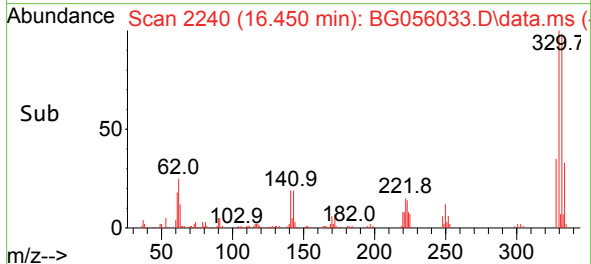
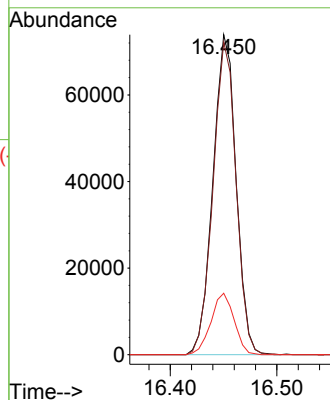
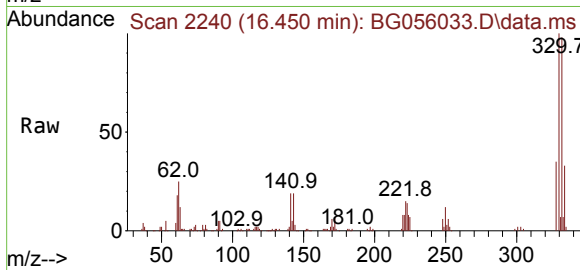
Tgt Ion:164 Resp: 35525
Ion Ratio Lower Upper
164 100
162 97.8 79.8 119.8
160 42.8 33.0 49.4





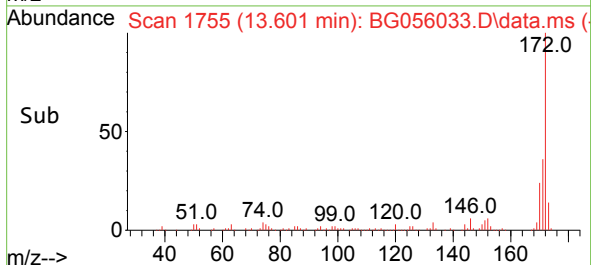
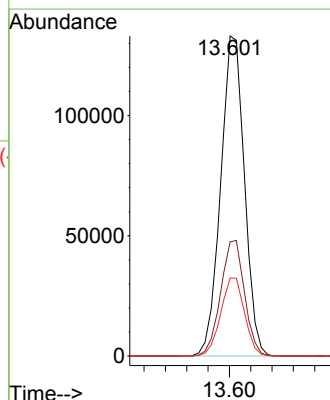
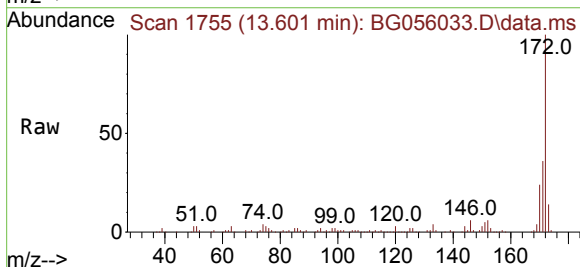
#42
2,4,6-Tribromophenol
Concen: 129.948 ng
RT: 16.450 min Scan# 2240
Delta R.T. 0.001 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

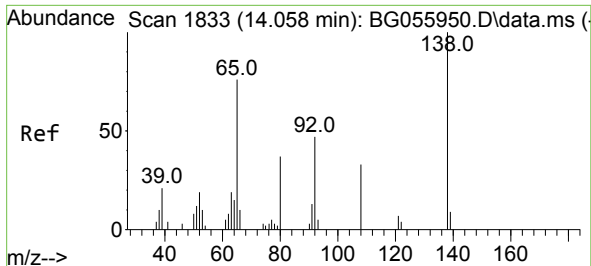
Tgt Ion:330 Resp: 111315
Ion Ratio Lower Upper
330 100
332 97.1 76.6 114.8
141 19.2 15.0 22.4



#45
2-Fluorobiphenyl
Concen: 81.172 ng
RT: 13.601 min Scan# 1755
Delta R.T. 0.001 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

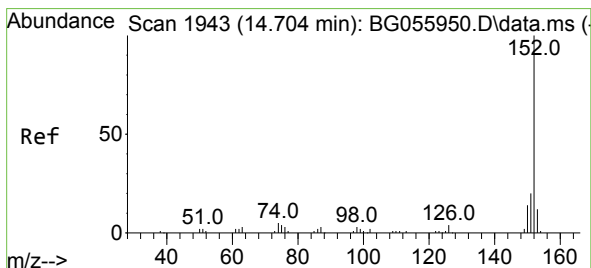
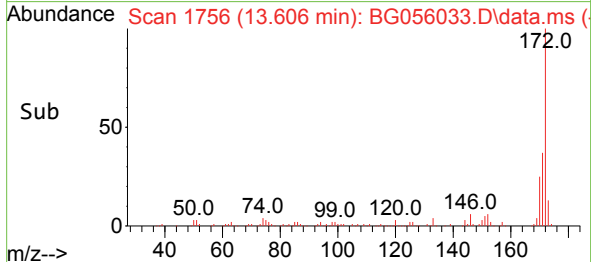
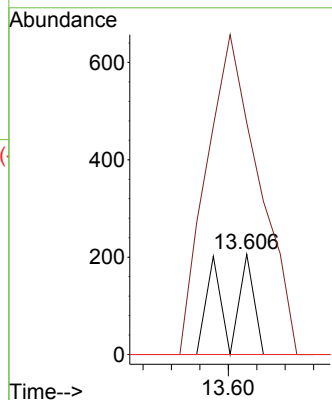
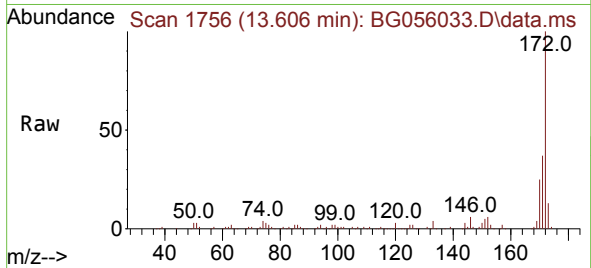
Tgt Ion:172 Resp: 205608
Ion Ratio Lower Upper
172 100
171 35.7 28.6 42.8
170 24.4 19.9 29.9





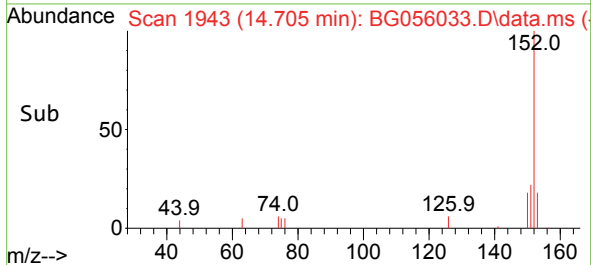
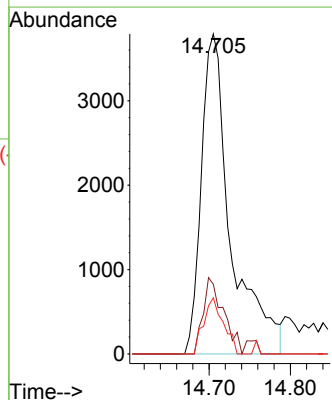
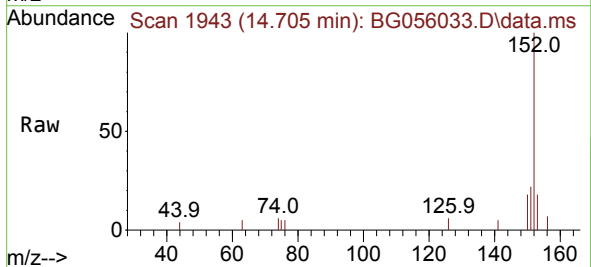
#48
2-Nitroaniline
Concen: 3.166 ng
RT: 13.606 min Scan# 1756
Delta R.T. -0.446 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

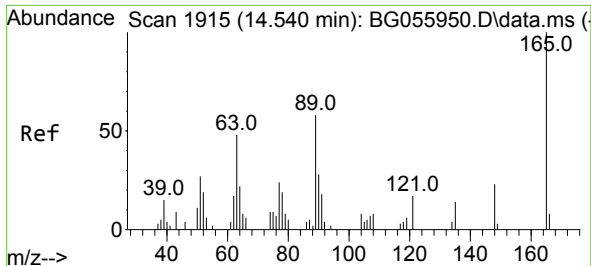
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Ion Ratio Lower Upper
65 100
92 231.1 49.7 74.5#
138 0.0 105.0 157.6#



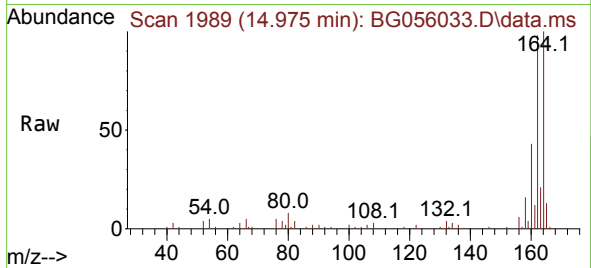
#49
Acenaphthylene
Concen: 3.051 ng
RT: 14.705 min Scan# 1943
Delta R.T. 0.007 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

Tgt Ion:152 Resp: 9528
Ion Ratio Lower Upper
152 100
151 21.8 15.8 23.8
153 17.5 10.0 15.0#

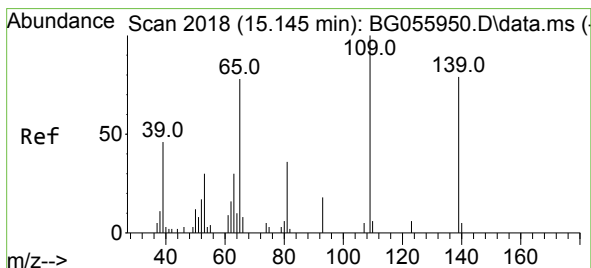
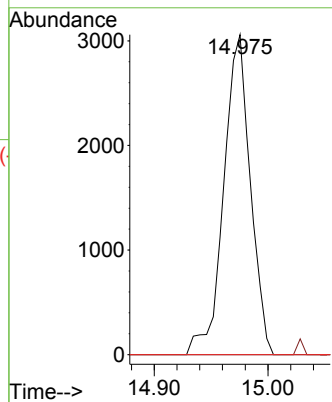
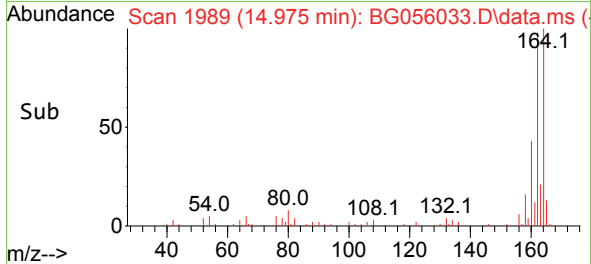




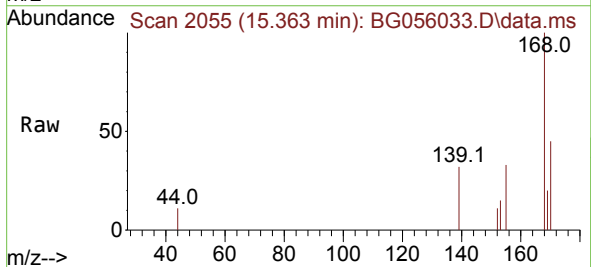
#51
2,6-Dinitrotoluene
Concen: 10.472 ng
RT: 14.975 min Scan# 1989
Delta R.T. 0.441 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06



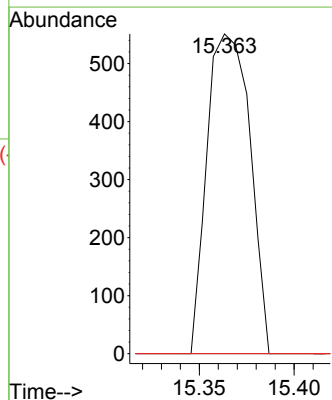
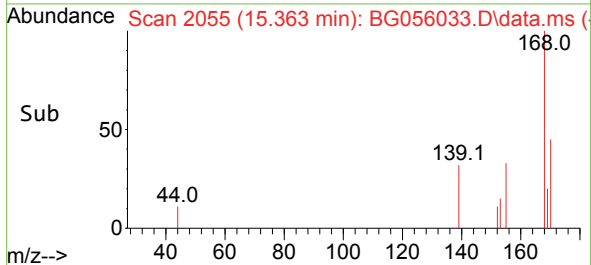
Tgt Ion:165 Resp: 4977
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#

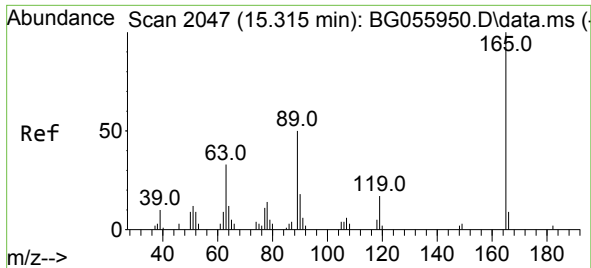


#56
4-Nitrophenol
Concen: 2.246 ng
RT: 15.363 min Scan# 2055
Delta R.T. 0.218 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06



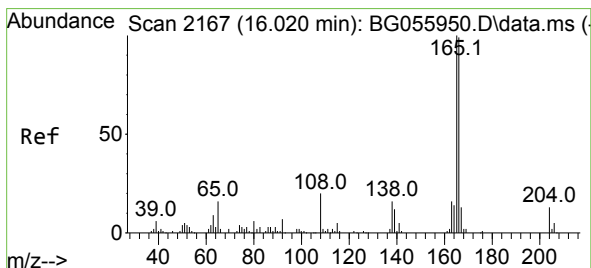
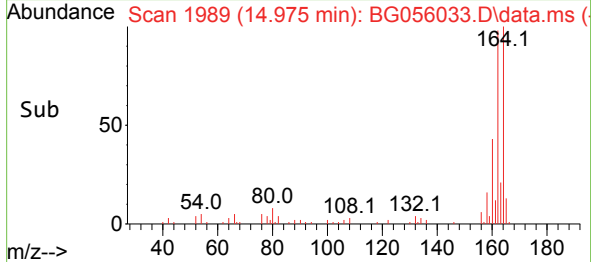
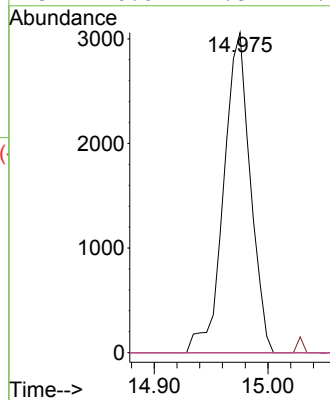
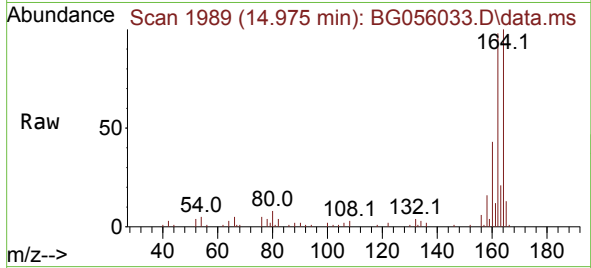
Tgt Ion:139 Resp: 870
Ion Ratio Lower Upper
139 100
109 0.0 106.7 146.7#
65 0.0 79.2 119.2#





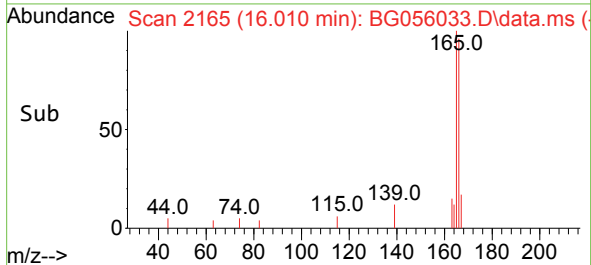
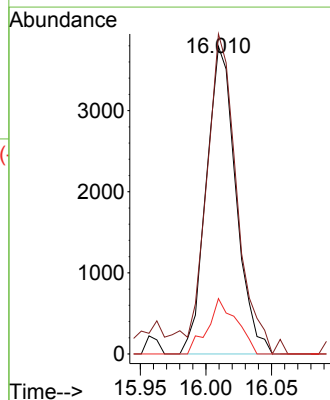
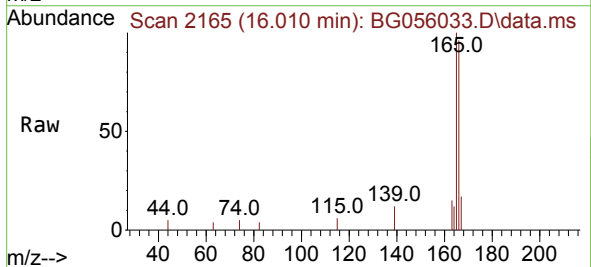
#57
2,4-Dinitrotoluene
Concen: 6.937 ng
RT: 14.975 min Scan# 1989
Delta R.T. -0.340 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

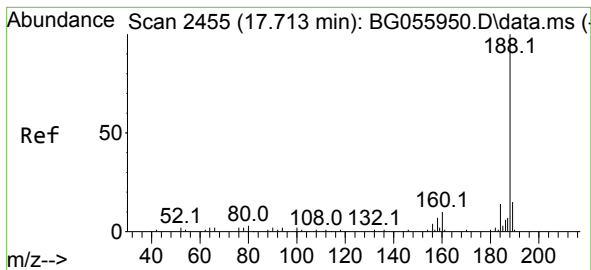
Tgt Ion:165	Resp:	4977
Ion Ratio	Lower	Upper
165	100	
63	0.0	26.6 39.8#
89	0.0	40.1 60.1#
182	0.0	1.8 2.6#



#58
Fluorene
Concen: 2.070 ng
RT: 16.010 min Scan# 2165
Delta R.T. -0.005 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

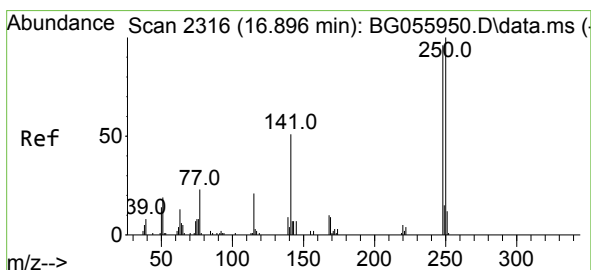
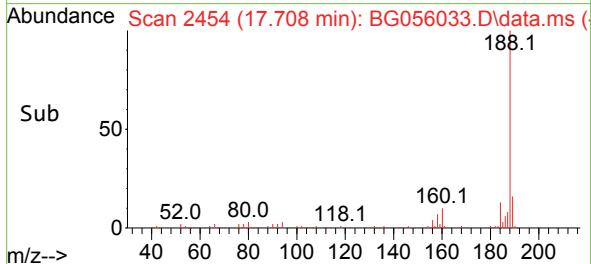
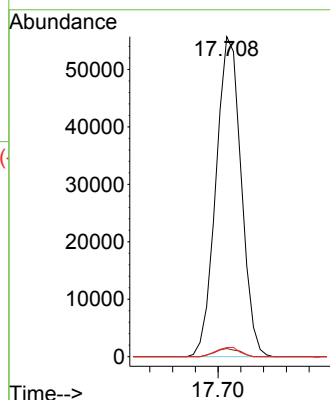
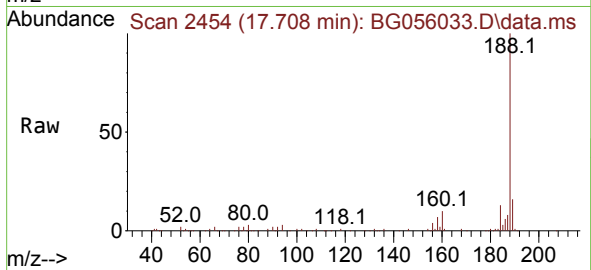
Tgt Ion:166	Resp:	5965
Ion Ratio	Lower	Upper
166	100	
165	104.0	81.1 121.7
167	18.0	10.5 15.7#





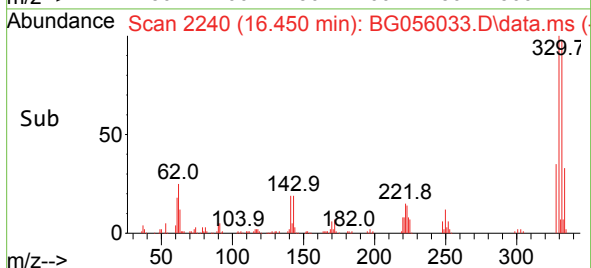
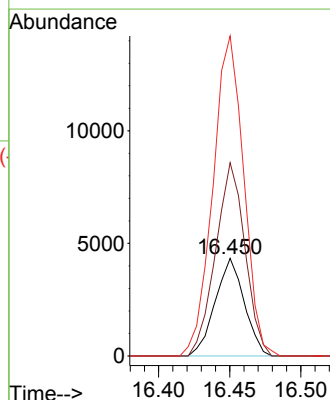
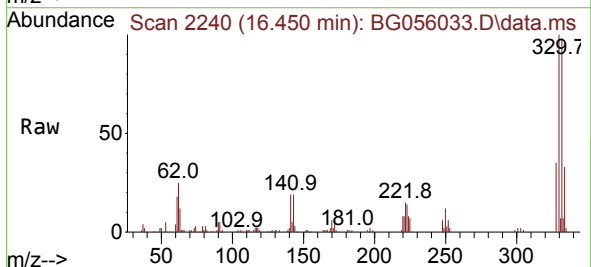
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.708 min Scan# 2454
Delta R.T. 0.001 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

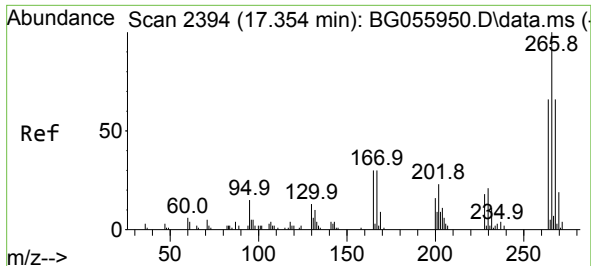
Tgt Ion:188 Resp: 85858
Ion Ratio Lower Upper
188 100
94 2.6 1.8 2.8
80 2.8 2.4 3.6



#67
4-Bromophenyl-phenylether
Concen: 4.913 ng
RT: 16.450 min Scan# 2240
Delta R.T. -0.440 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

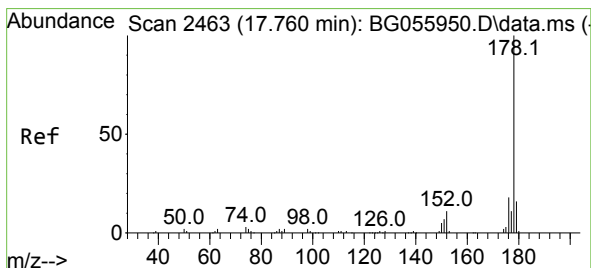
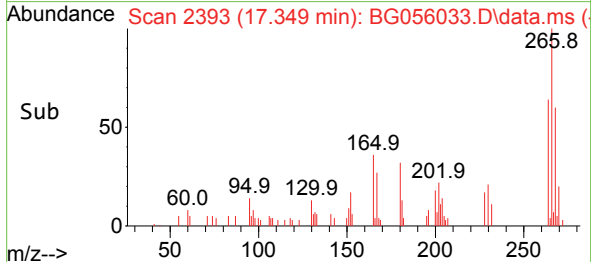
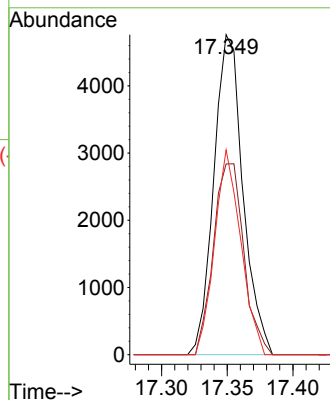
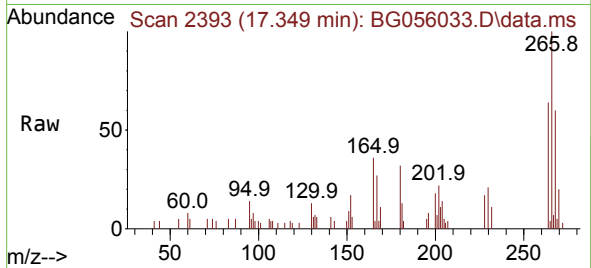
Tgt Ion:248 Resp: 6181
Ion Ratio Lower Upper
248 100
250 198.2 83.0 124.6#
141 328.1 42.6 64.0#





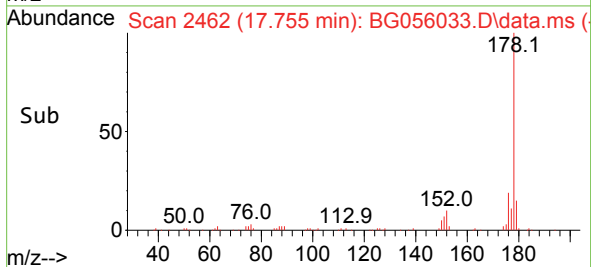
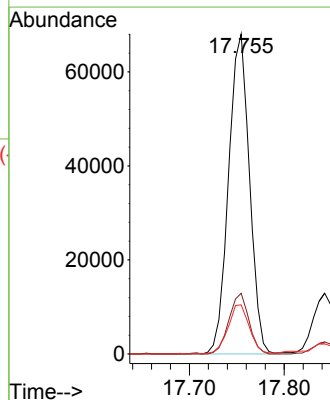
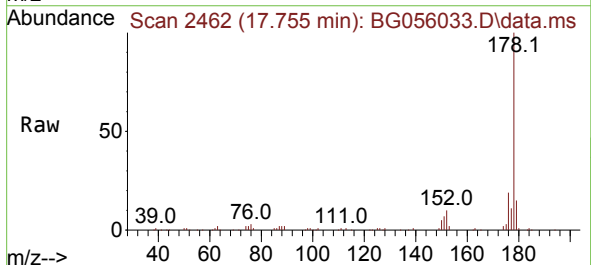
#70
 Pentachlorophenol
 Concen: 8.287 ng
 RT: 17.349 min Scan# 2393
 Delta R.T. 0.001 min
 Lab File: BG056033.D
 Acq: 20 Dec 2022 17:06

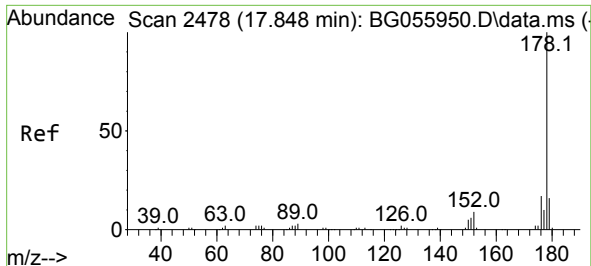
Tgt Ion:266 Resp: 7342
 Ion Ratio Lower Upper
 266 100
 268 59.6 55.5 83.3
 264 64.0 52.6 78.8



#71
 Phenanthrene
 Concen: 23.137 ng
 RT: 17.755 min Scan# 2462
 Delta R.T. 0.001 min
 Lab File: BG056033.D
 Acq: 20 Dec 2022 17:06

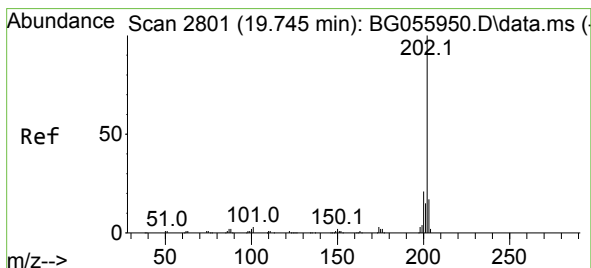
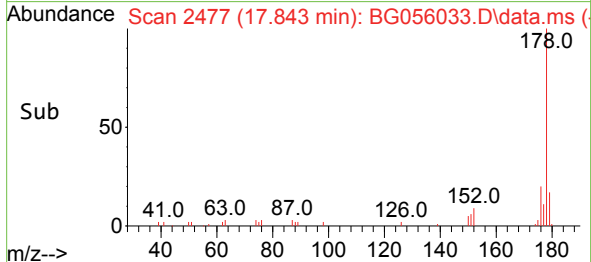
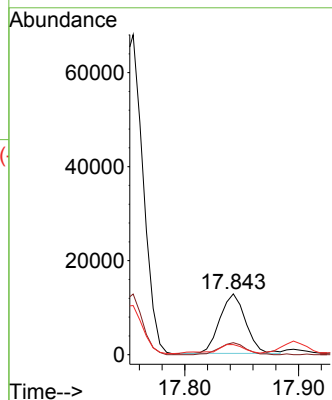
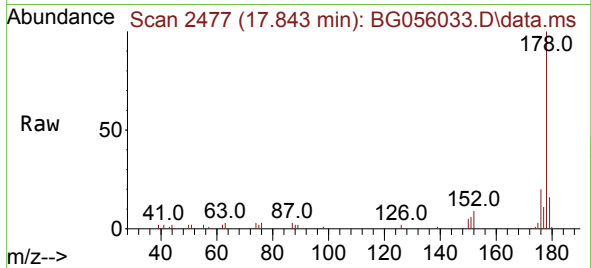
Tgt Ion:178 Resp: 104105
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.4 21.6
 179 15.3 12.7 19.1





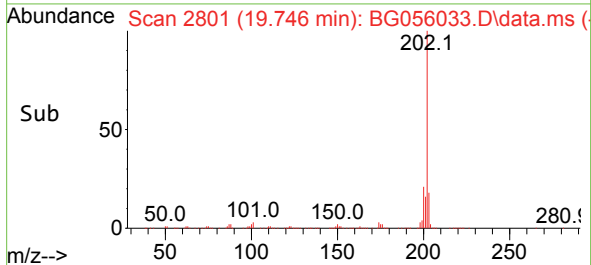
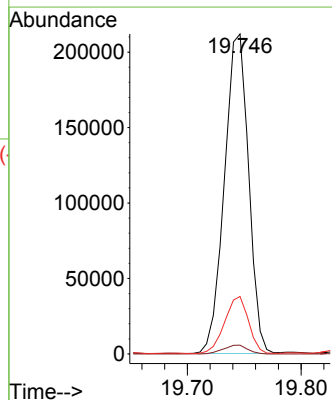
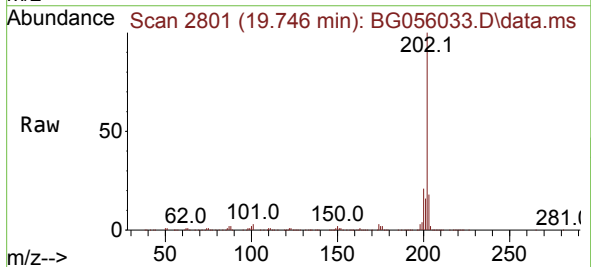
#72
 Anthracene
 Concen: 4.514 ng
 RT: 17.843 min Scan# 2477
 Delta R.T. 0.001 min
 Lab File: BG056033.D
 Acq: 20 Dec 2022 17:06

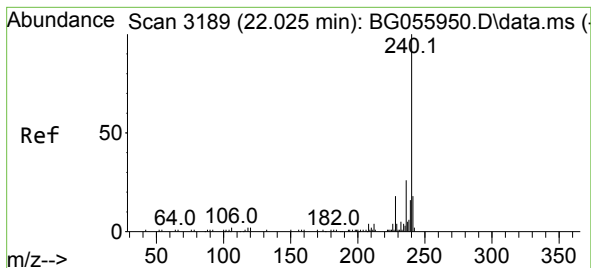
Tgt Ion:178 Resp: 20094
 Ion Ratio Lower Upper
 178 100
 176 19.7 13.9 20.9
 179 16.5 12.7 19.1



#75
 Fluoranthene
 Concen: 49.651 ng
 RT: 19.746 min Scan# 2801
 Delta R.T. 0.007 min
 Lab File: BG056033.D
 Acq: 20 Dec 2022 17:06

Tgt Ion:202 Resp: 312825
 Ion Ratio Lower Upper
 202 100
 101 2.8 0.0 22.6
 203 17.9 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

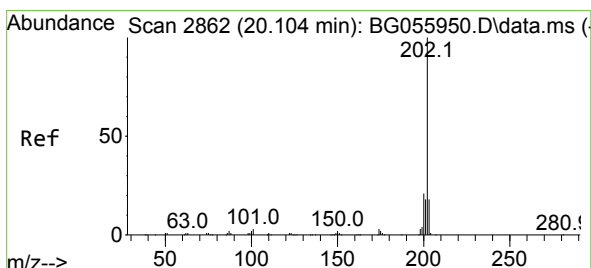
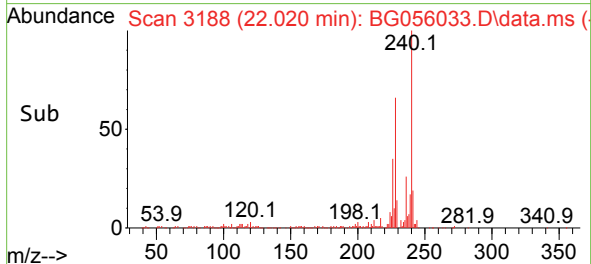
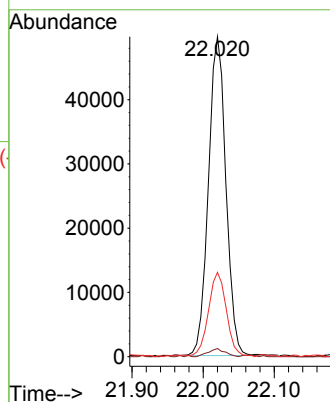
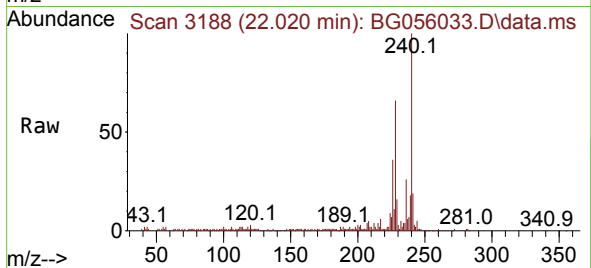
RT: 22.020 min Scan# 3188

Delta R.T. 0.007 min

Lab File: BG056033.D

Acq: 20 Dec 2022 17:06

Tgt Ion:240 Resp: 84994
 Ion Ratio Lower Upper
 240 100
 120 2.5 1.7 2.5#
 236 26.3 21.1 31.7



#78

Pyrene

Concen: 61.575 ng

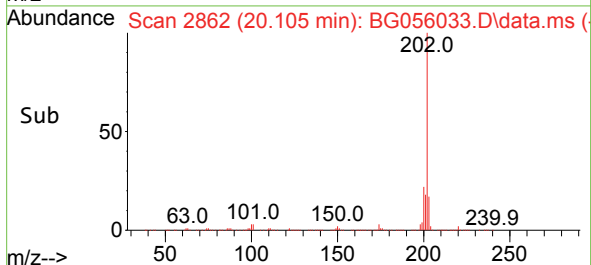
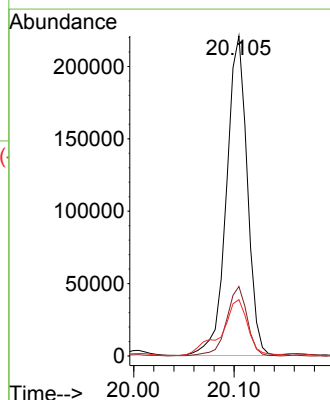
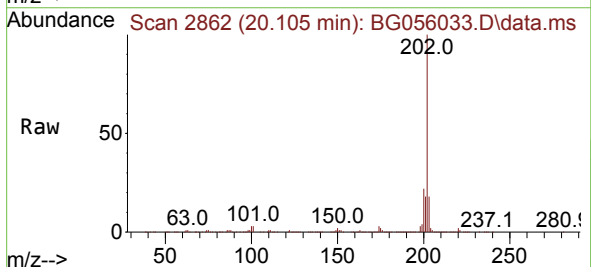
RT: 20.105 min Scan# 2862

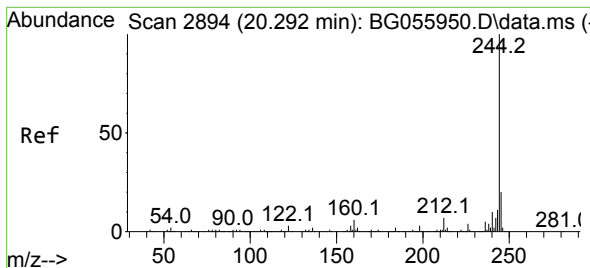
Delta R.T. 0.007 min

Lab File: BG056033.D

Acq: 20 Dec 2022 17:06

Tgt Ion:202 Resp: 316685
 Ion Ratio Lower Upper
 202 100
 200 21.7 16.7 25.1
 203 17.6 14.6 21.8





#79

Terphenyl-d14

Concen: 71.504 ng

RT: 20.287 min Scan# 2893

Delta R.T. 0.007 min

Lab File: BG056033.D

Acq: 20 Dec 2022 17:06

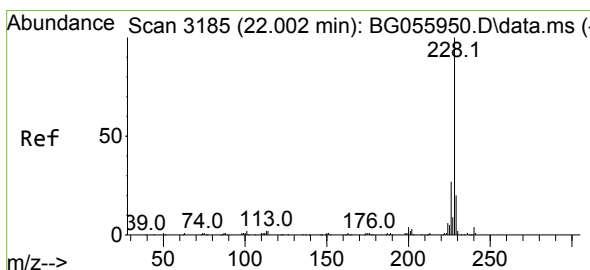
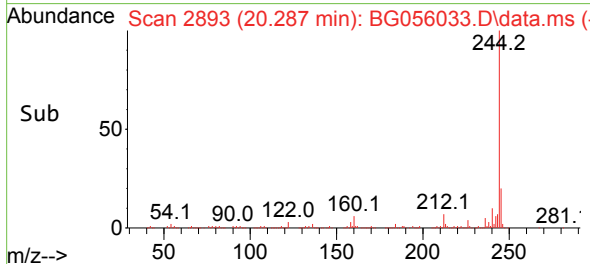
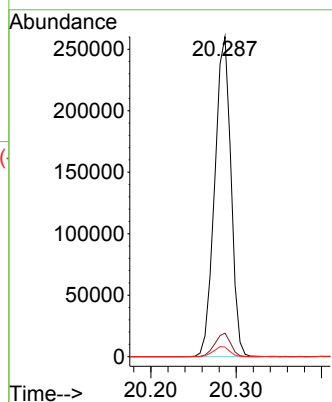
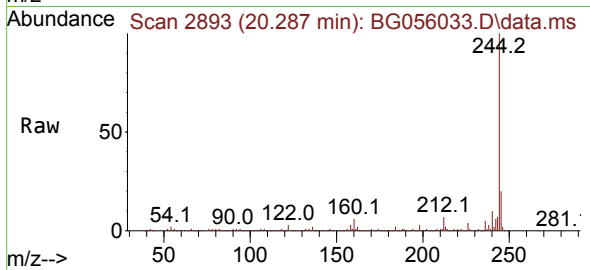
Tgt Ion:244 Resp: 343861

Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 3.0 2.5 3.7



#81

Benzo(a)anthracene

Concen: 44.644 ng

RT: 21.997 min Scan# 3184

Delta R.T. 0.001 min

Lab File: BG056033.D

Acq: 20 Dec 2022 17:06

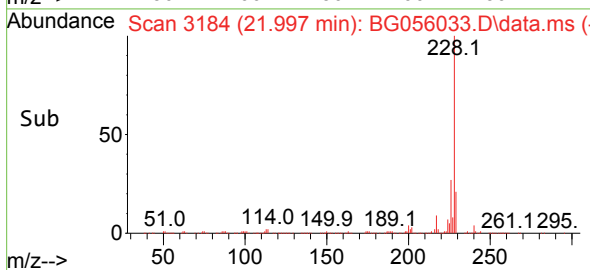
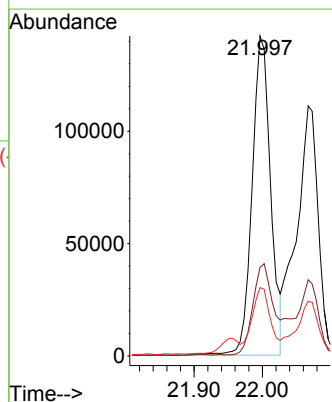
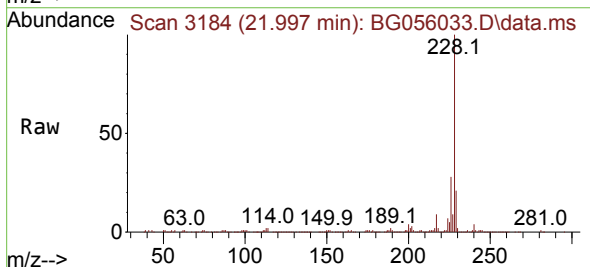
Tgt Ion:228 Resp: 267010

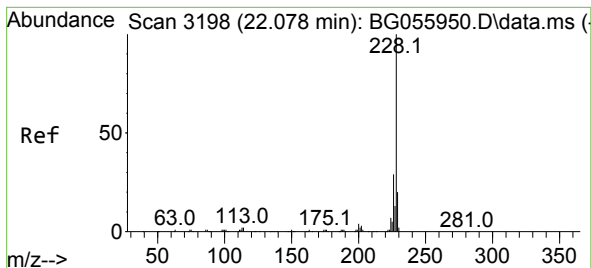
Ion Ratio Lower Upper

228 100

226 27.7 21.8 32.6

229 21.4 15.9 23.9





#83

Chrysene

Concen: 43.922 ng

RT: 22.067 min Scan# 3196

Delta R.T. 0.001 min

Lab File: BG056033.D

Acq: 20 Dec 2022 17:06

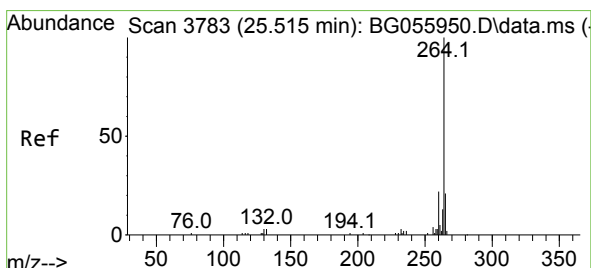
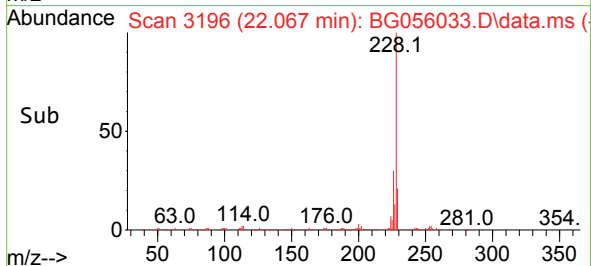
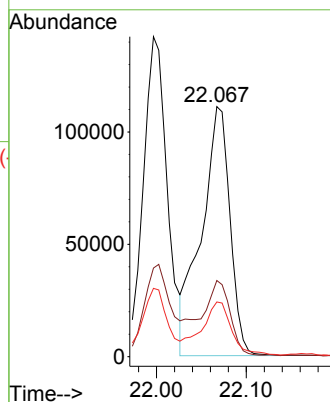
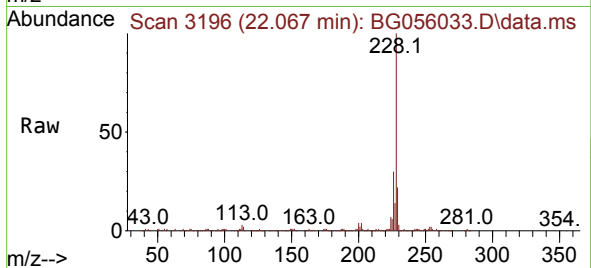
Tgt Ion:228 Resp: 246197

Ion Ratio Lower Upper

228 100

226 30.5 23.1 34.7

229 21.9 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.516 min Scan# 3783

Delta R.T. 0.018 min

Lab File: BG056033.D

Acq: 20 Dec 2022 17:06

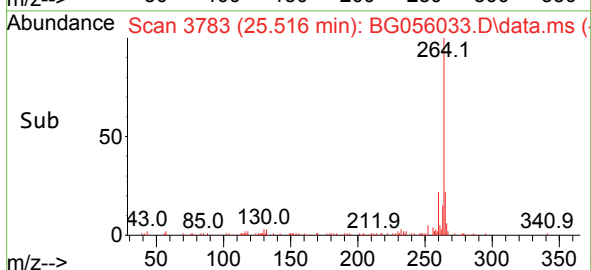
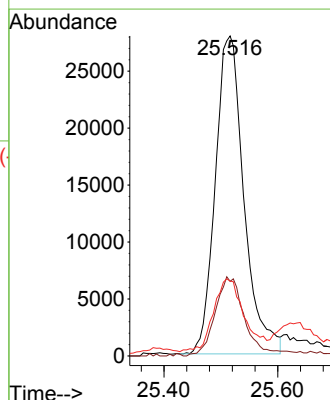
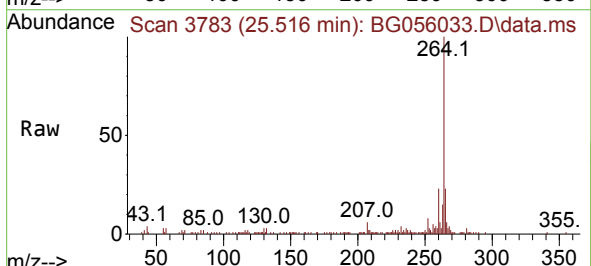
Tgt Ion:264 Resp: 97799

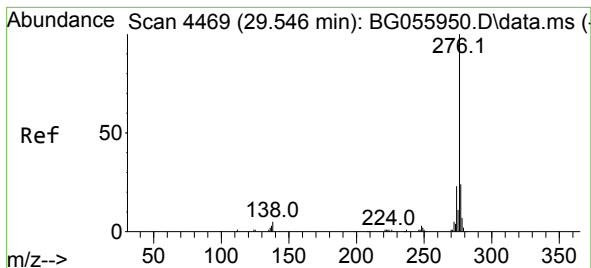
Ion Ratio Lower Upper

264 100

260 23.3 17.8 26.8

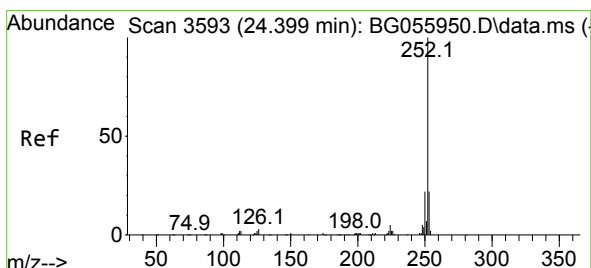
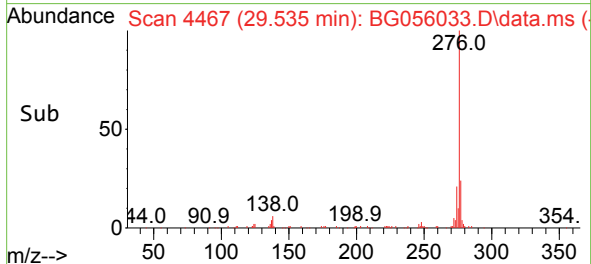
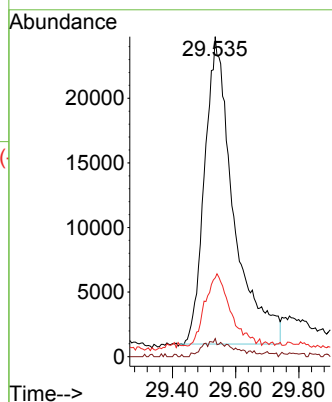
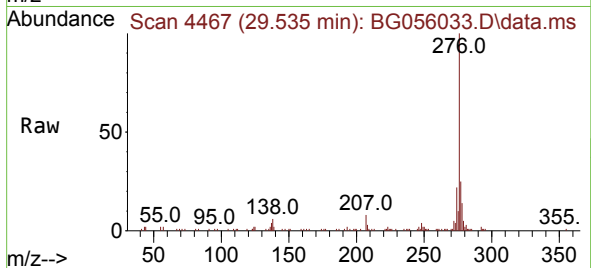
265 23.4 16.6 25.0





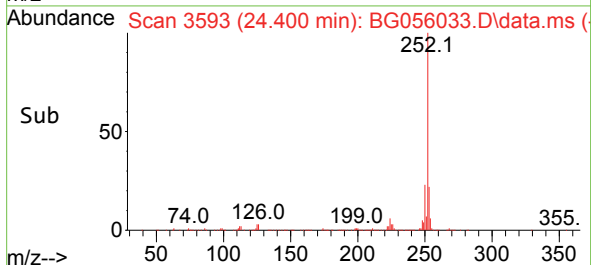
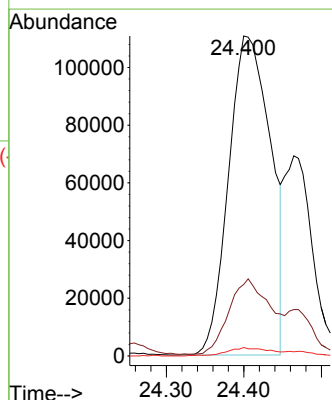
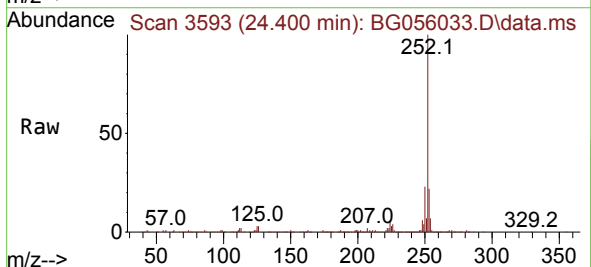
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 19.233 ng
 RT: 29.535 min Scan# 4467
 Delta R.T. 0.012 min
 Lab File: BG056033.D
 Acq: 20 Dec 2022 17:06

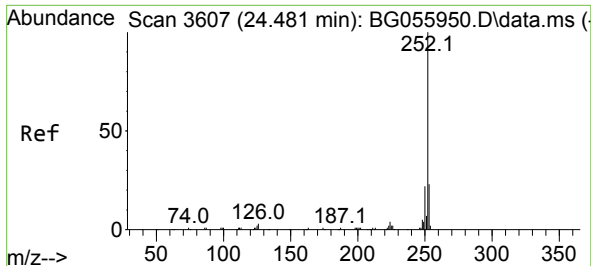
Tgt Ion:276 Resp: 151258
 Ion Ratio Lower Upper
 276 100
 138 0.5 3.0 4.4#
 277 20.5 20.4 30.6



#88
 Benzo(b)fluoranthene
 Concen: 65.708 ng
 RT: 24.400 min Scan# 3593
 Delta R.T. 0.012 min
 Lab File: BG056033.D
 Acq: 20 Dec 2022 17:06

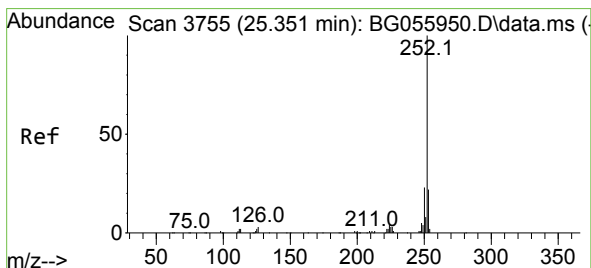
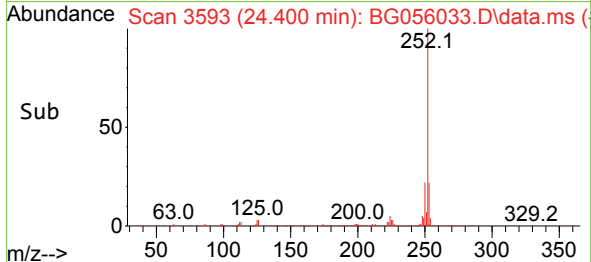
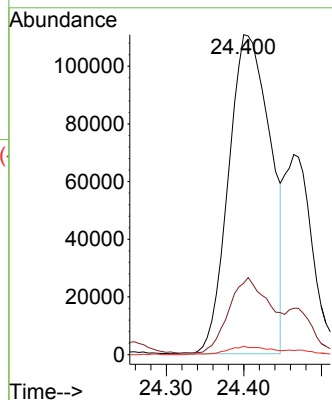
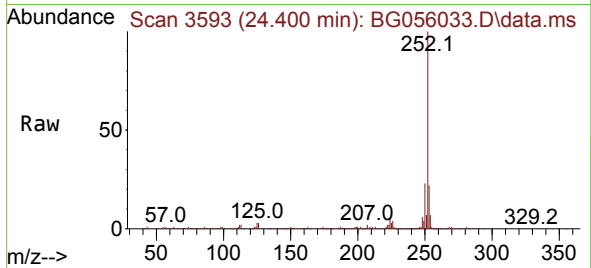
Tgt Ion:252 Resp: 415894
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.4 26.0
 125 2.6 1.8 2.8





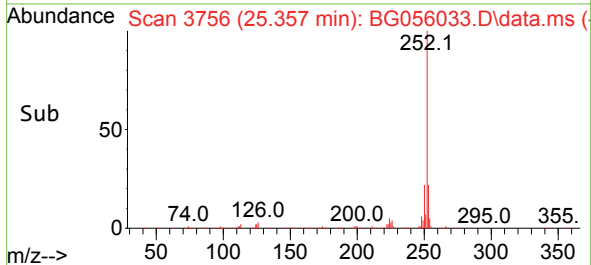
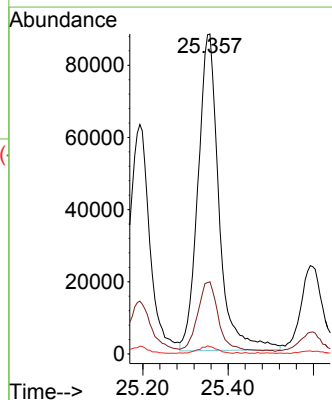
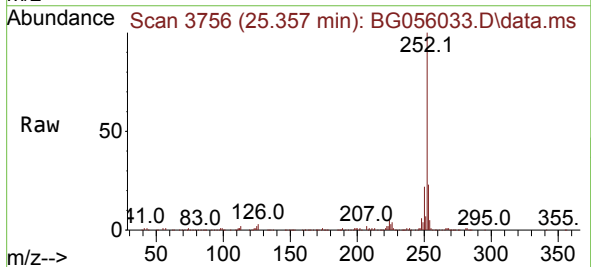
#89
Benzo(k)fluoranthene
Concen: 65.859 ng
RT: 24.400 min Scan# 3593
Delta R.T. -0.064 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

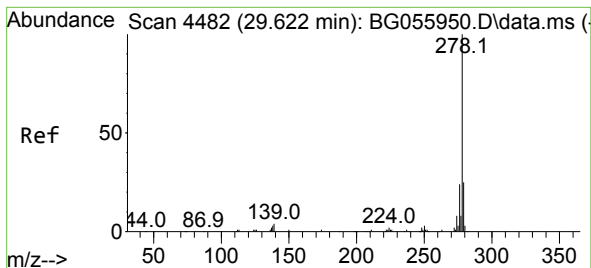
Tgt Ion:252 Resp: 415894
Ion Ratio Lower Upper
252 100
253 22.4 18.2 27.2
125 2.6 2.0 3.0



#90
Benzo(a)pyrene
Concen: 55.891 ng
RT: 25.357 min Scan# 3756
Delta R.T. 0.024 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

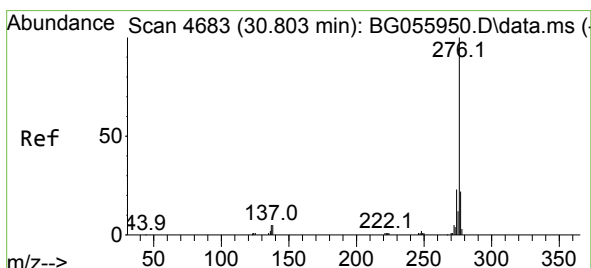
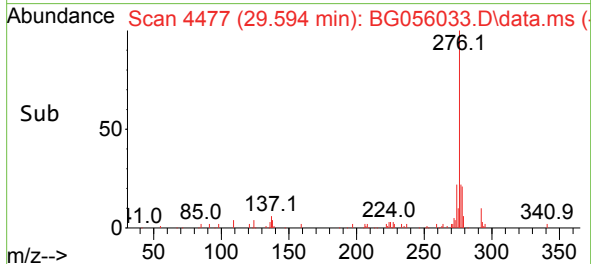
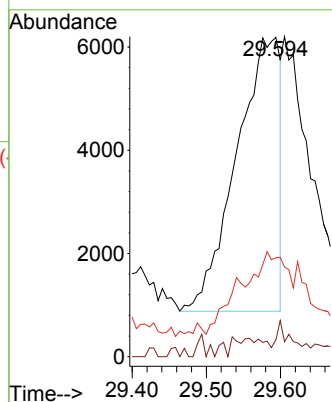
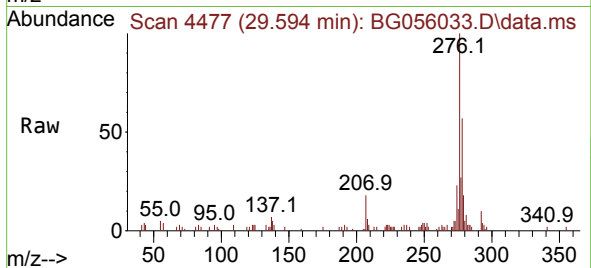
Tgt Ion:252 Resp: 299025
Ion Ratio Lower Upper
252 100
253 22.5 17.7 26.5
125 2.3 1.9 2.9





#91
Dibenzo(a,h)anthracene
Concen: 3.275 ng
RT: 29.594 min Scan# 4477
Delta R.T. 0.001 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

Tgt Ion:278 Resp: 21555
Ion Ratio Lower Upper
278 100
139 5.2 2.9 4.3#
279 31.0 20.0 30.0#



#92
Benzo(g,h,i)perylene
Concen: 18.213 ng
RT: 30.804 min Scan# 4683
Delta R.T. 0.012 min
Lab File: BG056033.D
Acq: 20 Dec 2022 17:06

Tgt Ion:276 Resp: 115911
Ion Ratio Lower Upper
276 100
277 24.5 17.8 26.6
138 4.2 3.8 5.6

