

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122122\
 Data File : BG056055.D
 Acq On : 21 Dec 2022 19:27
 Operator : CG/JU
 Sample : N6038-22 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Dec 22 01:27:23 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

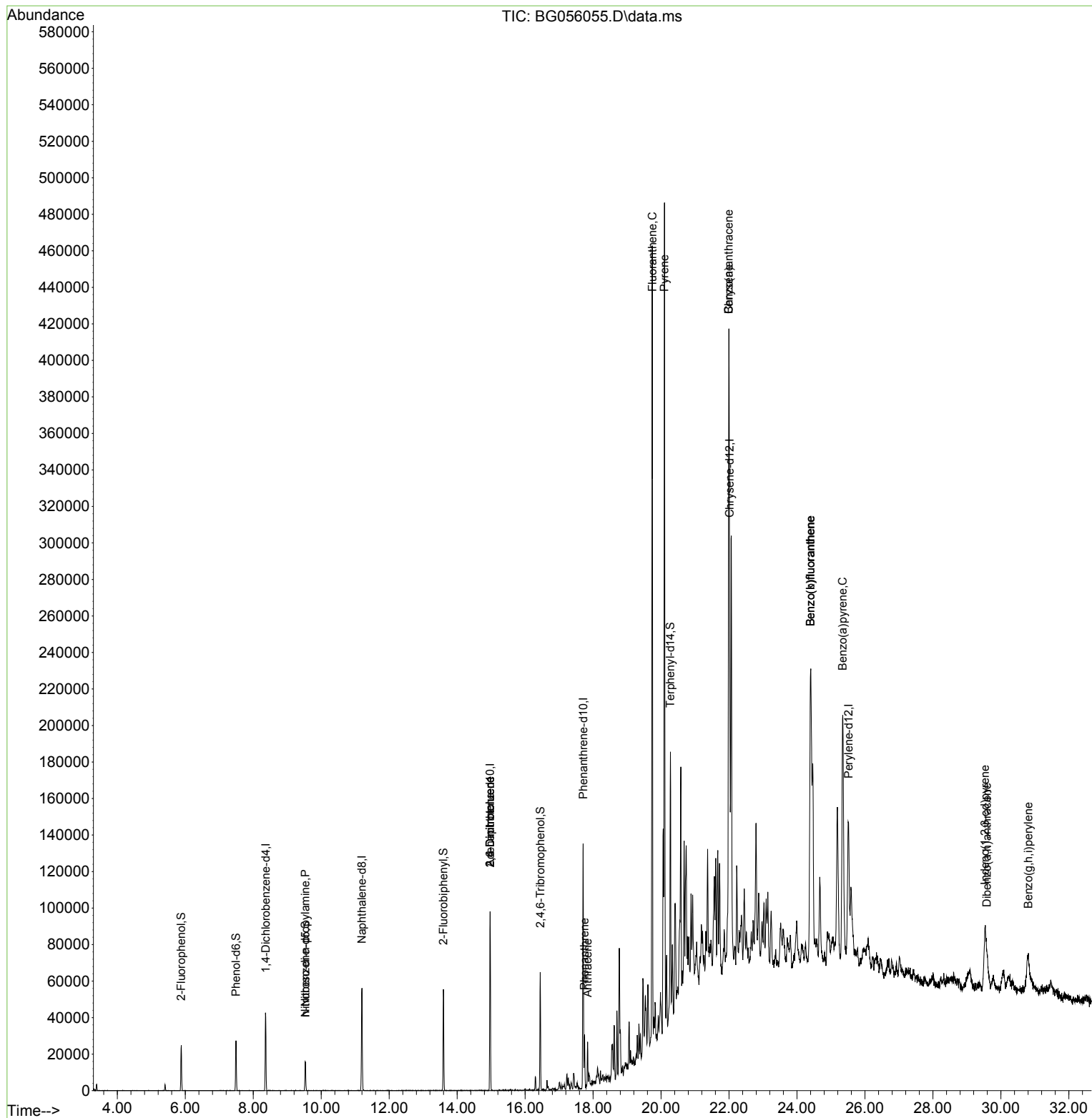
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

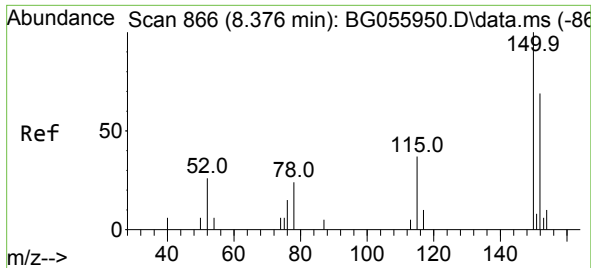
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.366	152	13131	20.000	ng	0.00
21) Naphthalene-d8	11.198	136	49104	20.000	ng	# 0.00
39) Acenaphthene-d10	14.970	164	39890	20.000	ng	0.00
64) Phenanthrene-d10	17.708	188	96466	20.000	ng	0.00
76) Chrysene-d12	22.015	240	97052	20.000	ng	0.00
86) Perylene-d12	25.517	264	113682	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.881	112	11129	19.876	ng	0.00
7) Phenol-d6	7.491	99	12988	18.036	ng	0.00
23) Nitrobenzene-d5	9.529	82	8945	12.730	ng	-0.01
42) 2,4,6-Tribromophenol	16.445	330	16914	17.585	ng	0.00
45) 2-Fluorobiphenyl	13.595	172	32479	11.419	ng	0.00
79) Terphenyl-d14	20.276	244	58688	10.688	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.529	70	1443	2.796	ng	# 64
51) 2,6-Dinitrotoluene	14.970	165	5049	9.461	ng	# 25
57) 2,4-Dinitrotoluene	14.970	165	5049	6.268	ng	# 35
71) Phenanthrene	17.749	178	20366	4.029	ng	99
72) Anthracene	17.837	178	18804	3.760	ng	98
75) Fluoranthene	19.741	202	303152	42.824	ng	98
78) Pyrene	20.099	202	316369	53.871	ng	100
81) Benzo(a)anthracene	21.991	228	255265	37.378	ng	98
83) Chrysene	21.991	228	255265	39.882	ng	96
87) Indeno(1,2,3-cd)pyrene	29.535	276	90055	9.851	ng	# 86
88) Benzo(b)fluoranthene	24.400	252	270966	36.829	ng	97
89) Benzo(k)fluoranthene	24.400	252	270966	36.914	ng	99
90) Benzo(a)pyrene	25.346	252	226152	36.365	ng	95
91) Dibenzo(a,h)anthracene	29.588	278	26837	3.507	ng	# 90
92) Benzo(g,h,i)perylene	30.810	276	60672	8.201	ng	# 94

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

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Data File : BG056055.D
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Operator : CG/JU
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Misc :
ALS Vial : 15 Sample Multiplier: 1

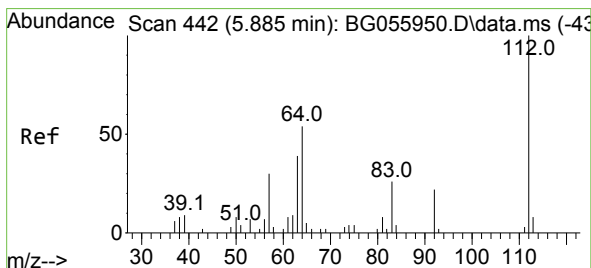
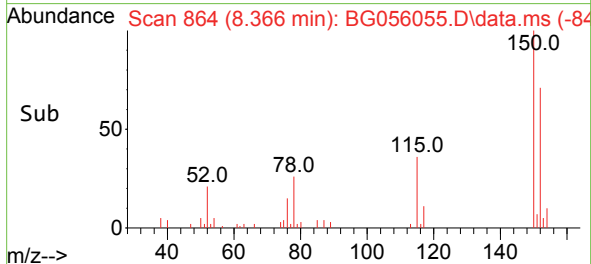
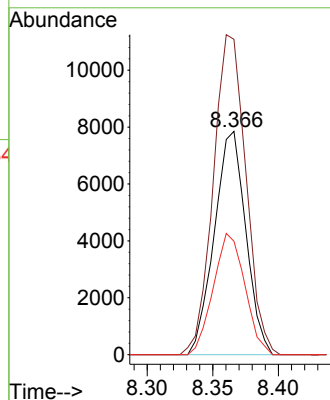
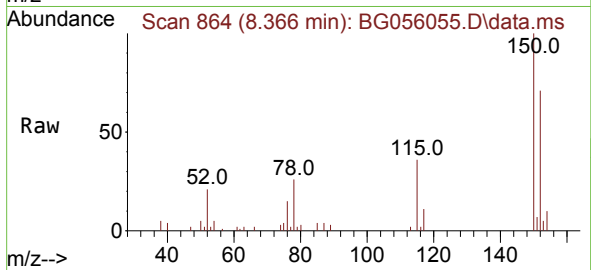
Quant Time: Dec 22 01:27:23 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 21 01:11:10 2022
Response via : Initial Calibration





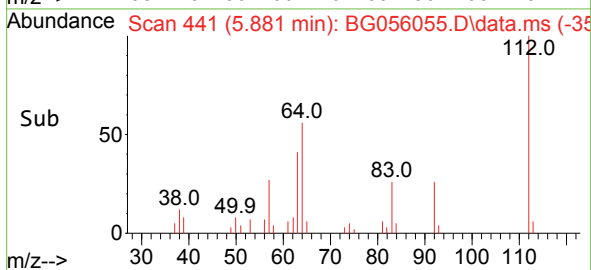
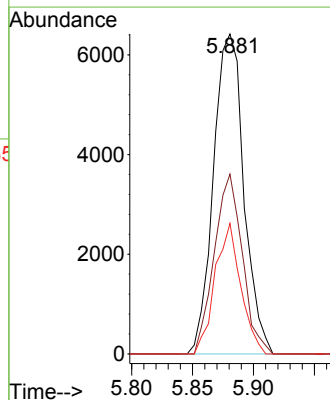
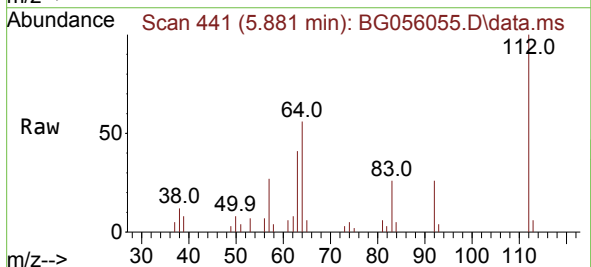
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.366 min Scan# 864
Delta R.T. 0.001 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

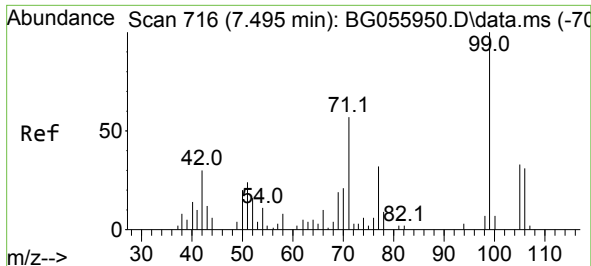
Tgt Ion:152 Resp: 13131
Ion Ratio Lower Upper
152 100
150 141.2 115.7 173.5
115 50.8 43.0 64.4



#5
2-Fluorophenol
Concen: 19.876 ng
RT: 5.881 min Scan# 441
Delta R.T. 0.001 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

Tgt Ion:112 Resp: 11129
Ion Ratio Lower Upper
112 100
64 56.2 43.0 64.4
63 40.8 31.4 47.2

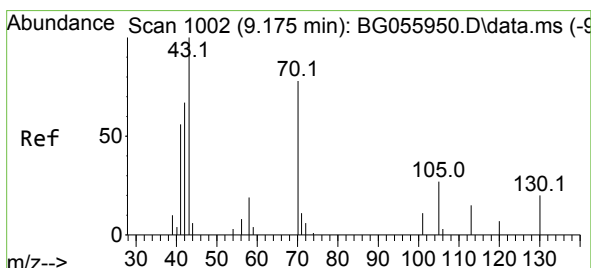
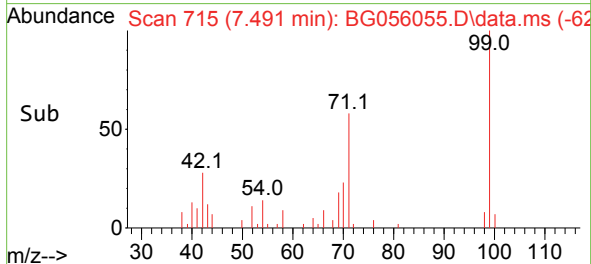
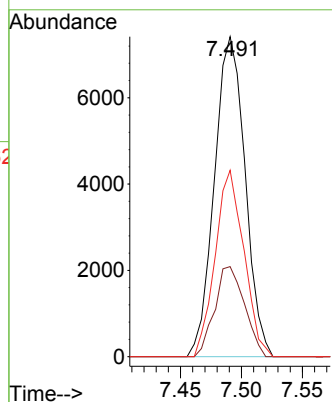
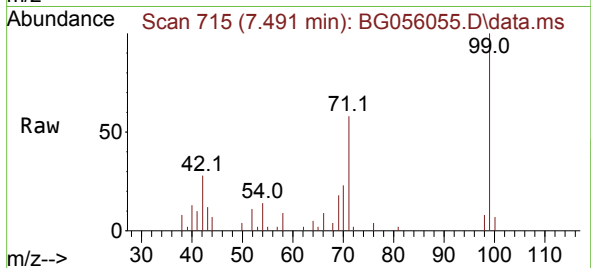




#7
Phenol-d6
Concen: 18.036 ng
RT: 7.491 min Scan# 715
Delta R.T. -0.005 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

Tgt Ion: 99 Resp: 12988

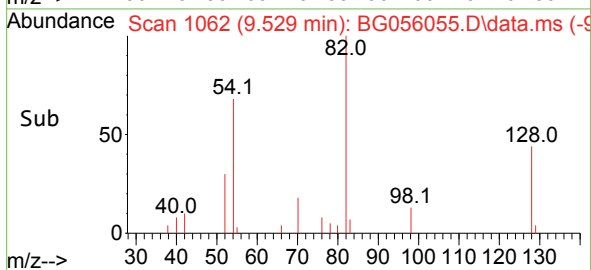
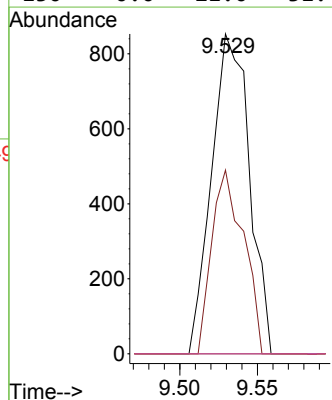
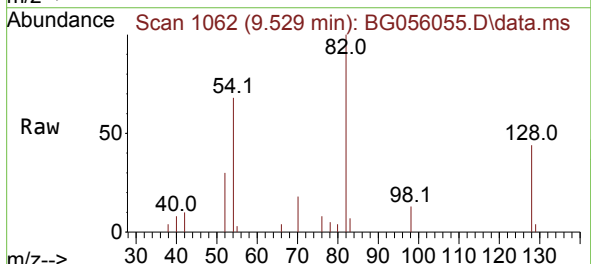
Ion	Ratio	Lower	Upper
99	100		
42	28.1	24.3	36.5
71	58.3	45.6	68.4

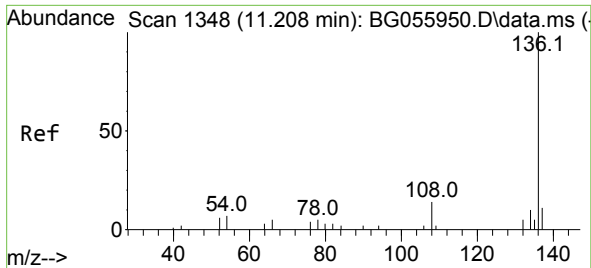


#19
n-Nitroso-di-n-propylamine
Concen: 2.796 ng
RT: 9.529 min Scan# 1062
Delta R.T. 0.360 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

Tgt Ion: 70 Resp: 1443

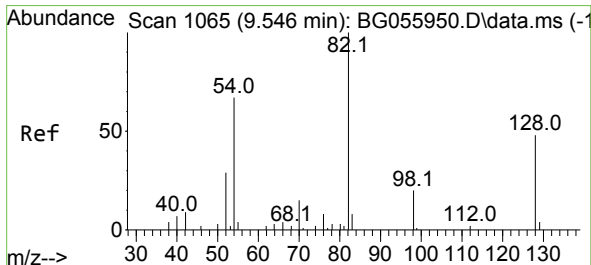
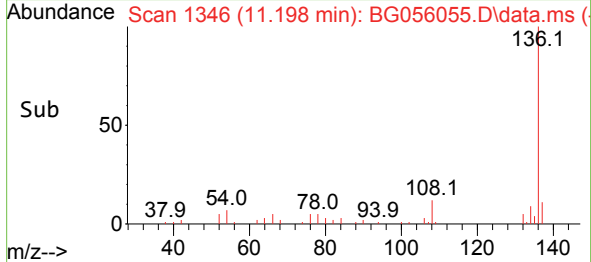
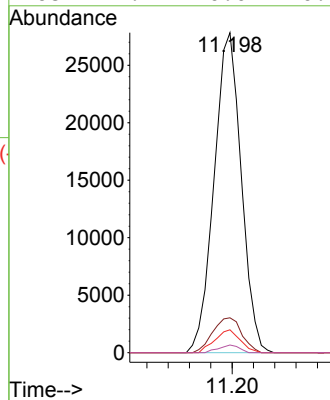
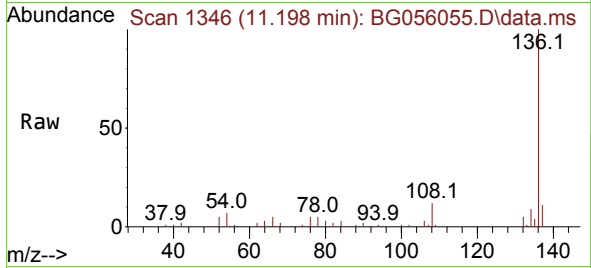
Ion	Ratio	Lower	Upper
70	100		
42	57.4	69.0	103.4#
101	0.0	11.8	17.8#
130	0.0	21.0	31.4#





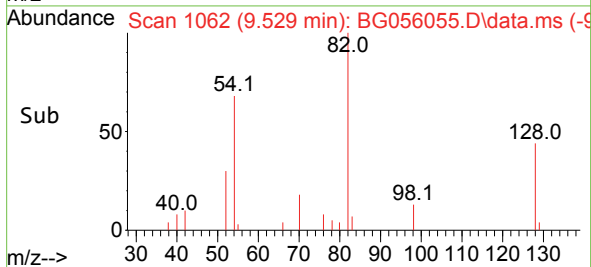
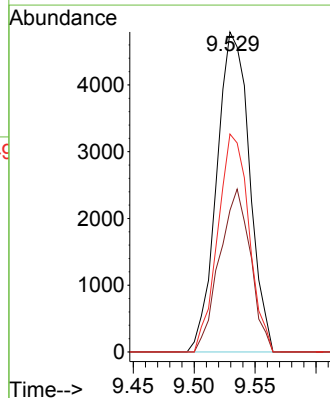
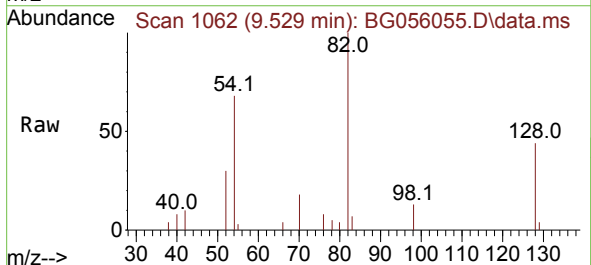
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.198 min Scan# 1346
Delta R.T. 0.001 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

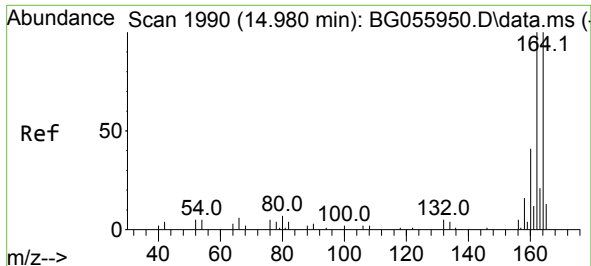
Tgt Ion:	136	Resp:	49104
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.2	13.8
54	7.2	5.6	8.4
68	2.4	0.0	0.0



#23
Nitrobenzene-d5
Concen: 12.730 ng
RT: 9.529 min Scan# 1062
Delta R.T. -0.010 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

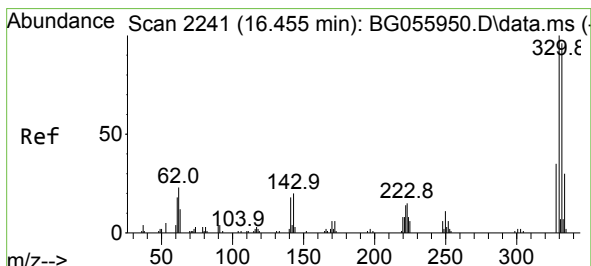
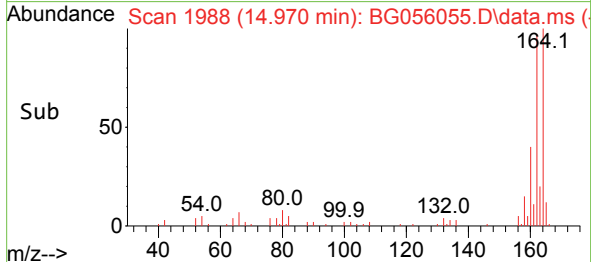
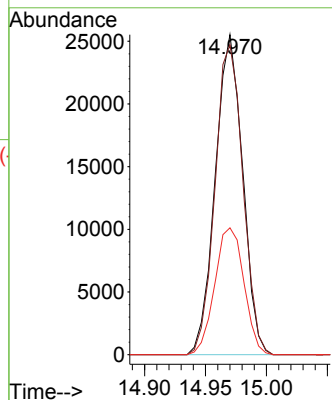
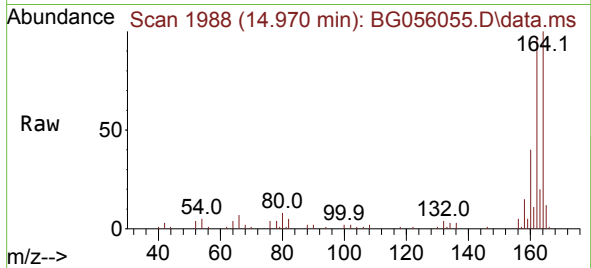
Tgt Ion:	82	Resp:	8945
Ion Ratio	Lower	Upper	
82	100		
128	44.3	38.4	57.6
54	68.1	53.3	79.9





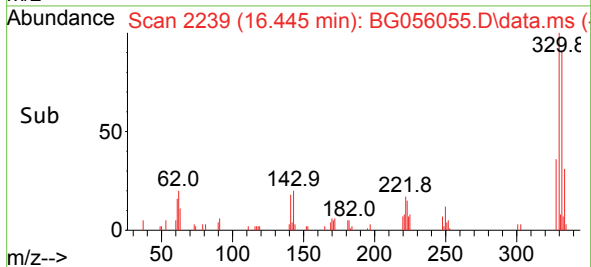
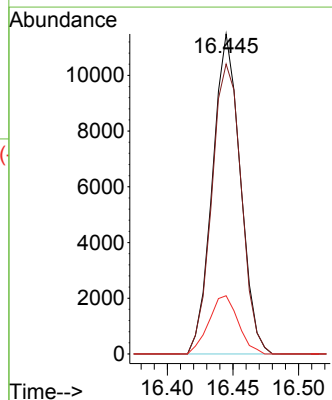
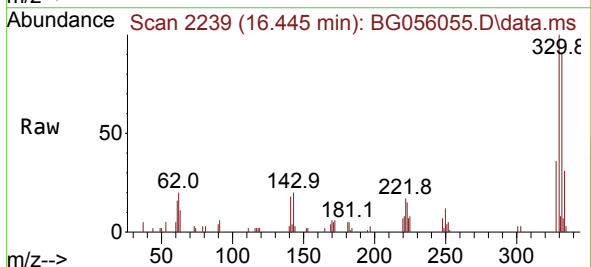
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.970 min Scan# 1988
Delta R.T. -0.005 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

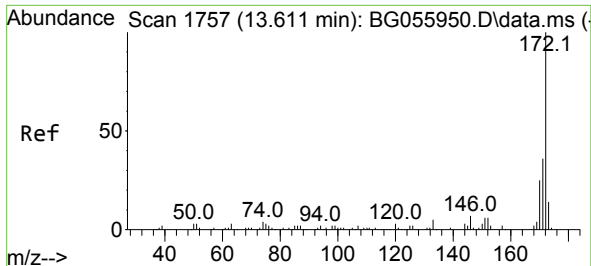
Tgt Ion:164 Resp: 39890
Ion Ratio Lower Upper
164 100
162 96.9 79.8 119.8
160 39.6 33.0 49.4



#42
2,4,6-Tribromophenol
Concen: 17.585 ng
RT: 16.445 min Scan# 2239
Delta R.T. -0.005 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

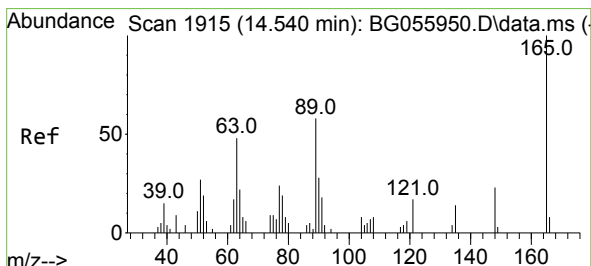
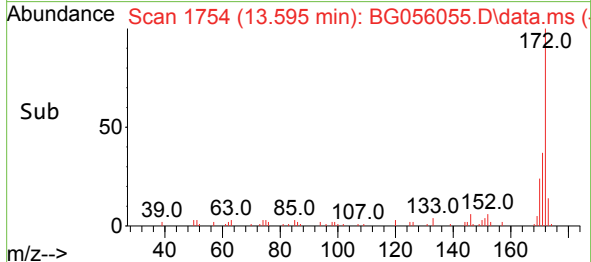
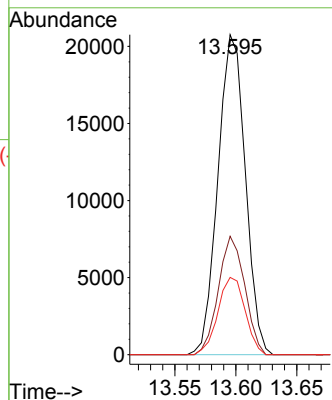
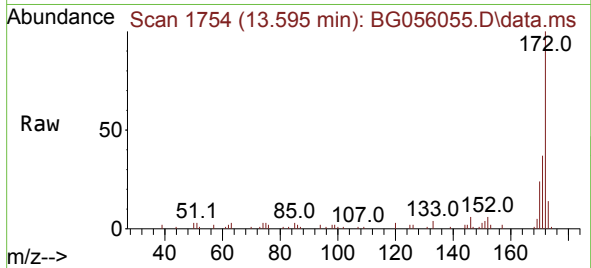
Tgt Ion:330 Resp: 16914
Ion Ratio Lower Upper
330 100
332 96.0 76.6 114.8
141 19.2 15.0 22.4





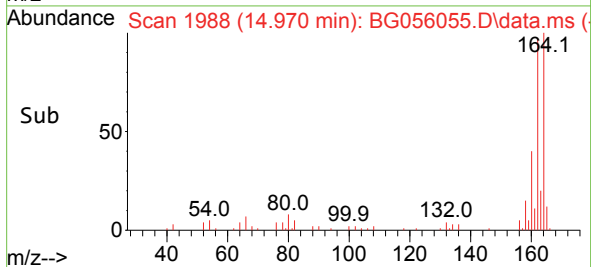
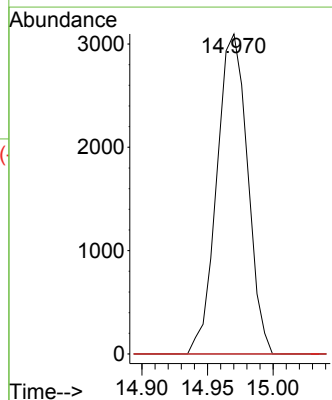
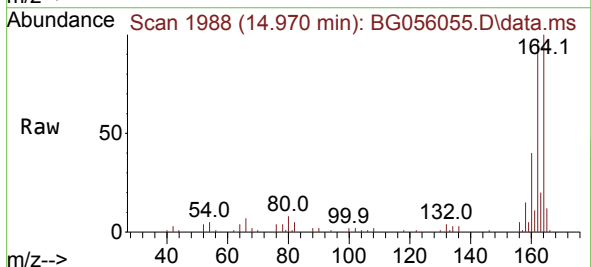
#45
2-Fluorobiphenyl
Concen: 11.419 ng
RT: 13.595 min Scan# 1754
Delta R.T. -0.005 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

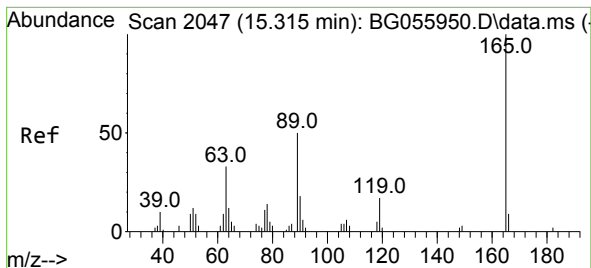
Tgt Ion:172 Resp: 32479
Ion Ratio Lower Upper
172 100
171 37.0 28.6 42.8
170 24.2 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 9.461 ng
RT: 14.970 min Scan# 1988
Delta R.T. 0.436 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

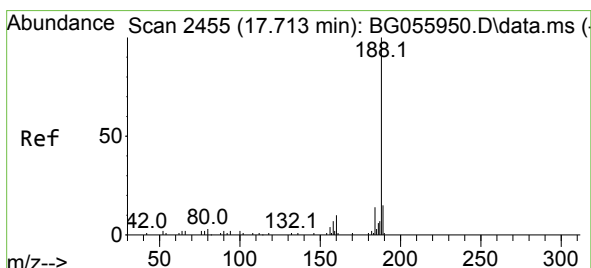
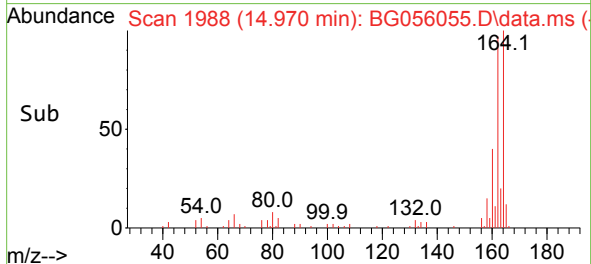
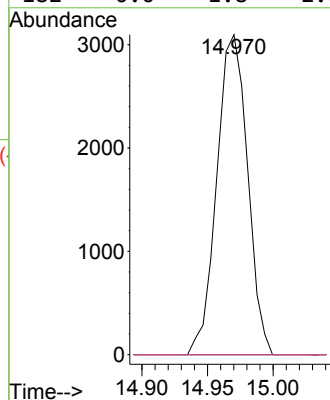
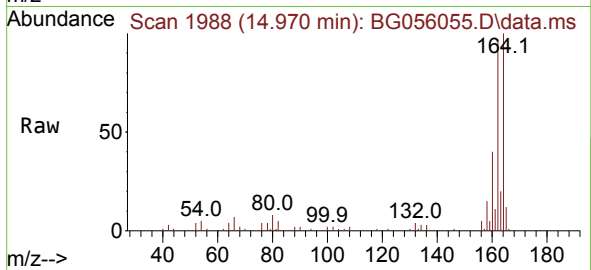
Tgt Ion:165 Resp: 5049
Ion Ratio Lower Upper
165 100
63 0.0 38.3 57.5#
89 0.0 46.3 69.5#





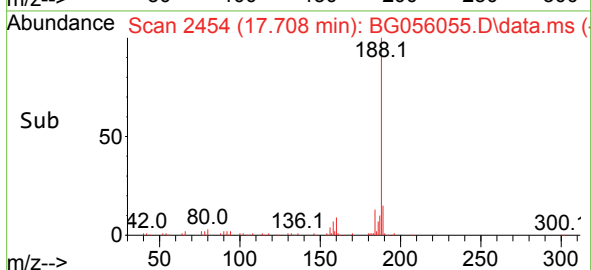
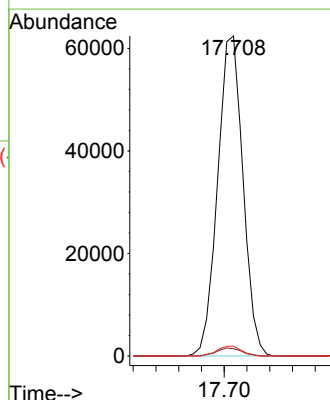
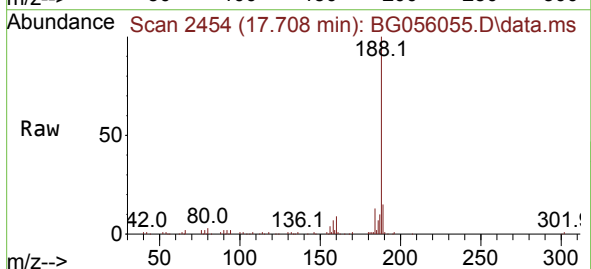
#57
2,4-Dinitrotoluene
Concen: 6.268 ng
RT: 14.970 min Scan# 1988
Delta R.T. -0.345 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

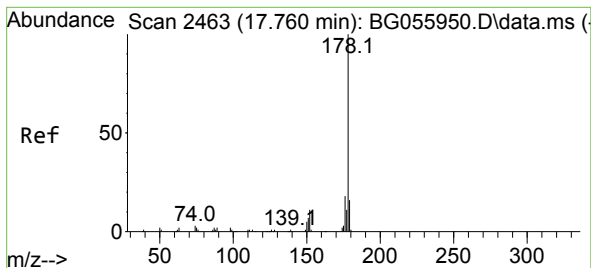
Tgt Ion:165	Resp:	5049
Ion Ratio	Lower	Upper
165	100	
63	0.0	26.6 39.8#
89	0.0	40.1 60.1#
182	0.0	1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.708 min Scan# 2454
Delta R.T. 0.001 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

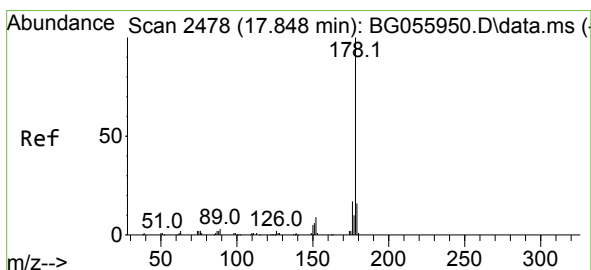
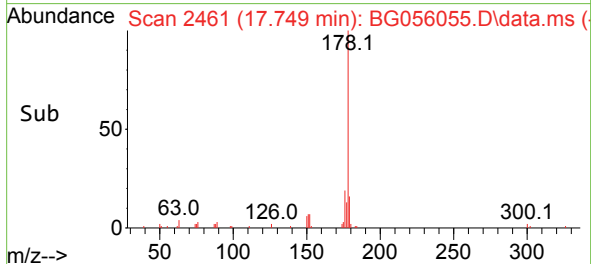
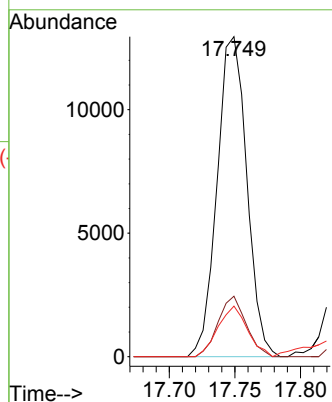
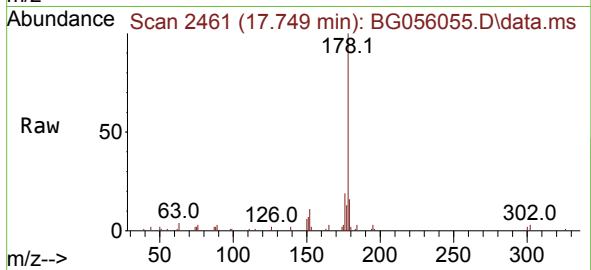
Tgt Ion:188	Resp:	96466
Ion Ratio	Lower	Upper
188	100	
94	2.3	1.8 2.8
80	3.1	2.4 3.6





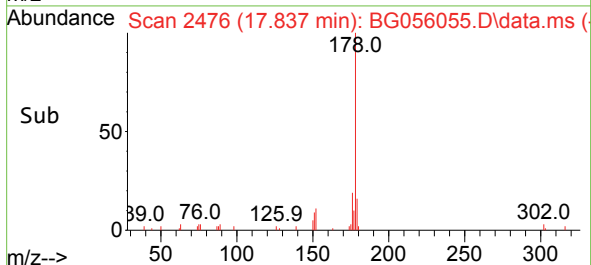
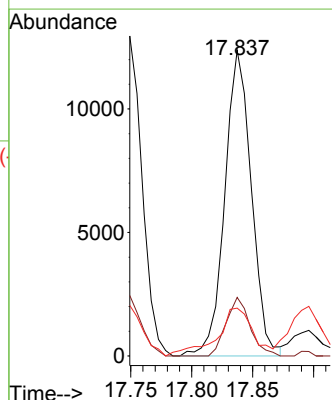
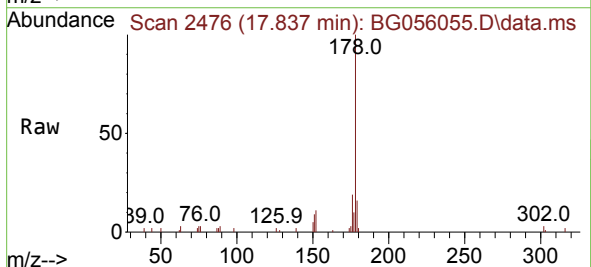
#71
Phenanthrene
Concen: 4.029 ng
RT: 17.749 min Scan# 2461
Delta R.T. -0.005 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

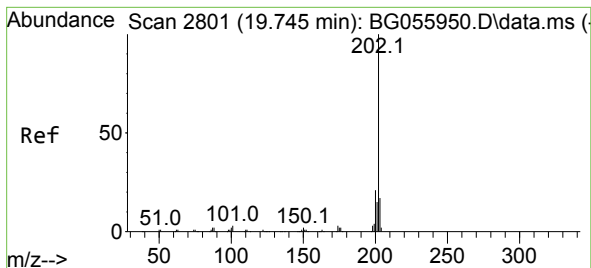
Tgt Ion:178 Resp: 20366
Ion Ratio Lower Upper
178 100
176 18.9 14.4 21.6
179 15.8 12.7 19.1



#72
Anthracene
Concen: 3.760 ng
RT: 17.837 min Scan# 2476
Delta R.T. -0.005 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

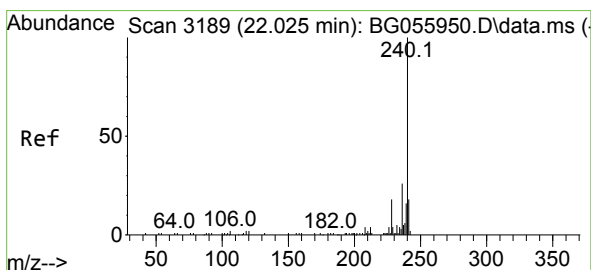
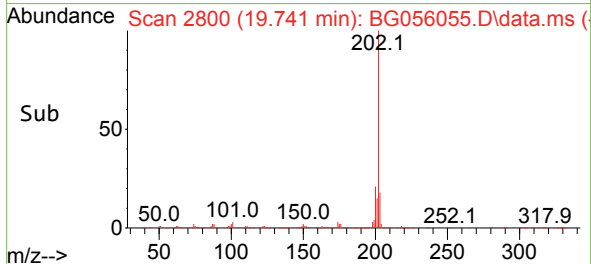
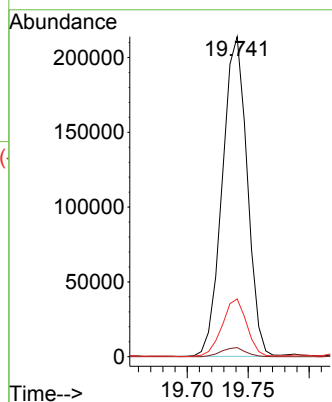
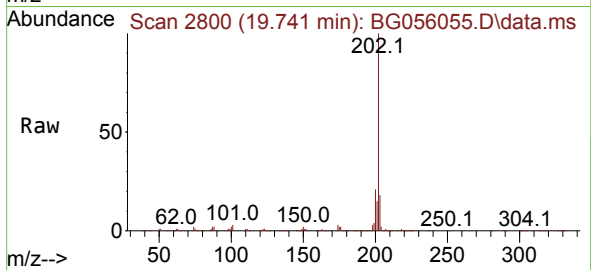
Tgt Ion:178 Resp: 18804
Ion Ratio Lower Upper
178 100
176 19.2 13.9 20.9
179 15.6 12.7 19.1





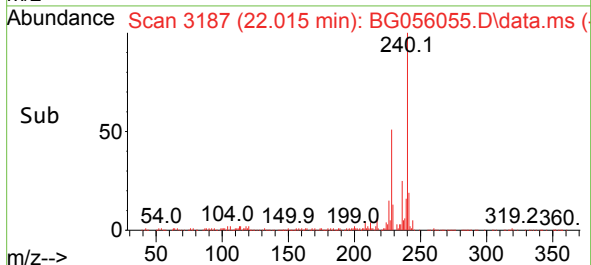
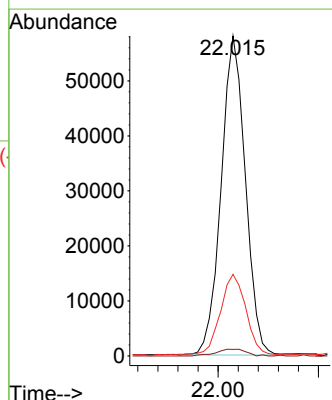
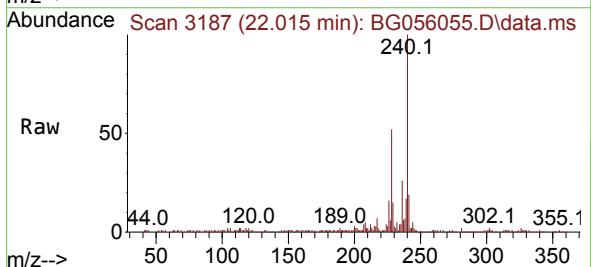
#75
Fluoranthene
Concen: 42.824 ng
RT: 19.741 min Scan# 2800
Delta R.T. 0.001 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

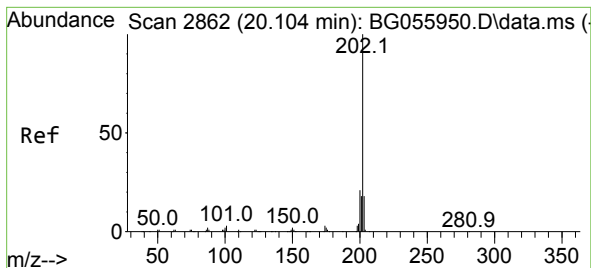
Tgt Ion:202 Resp: 303152
Ion Ratio Lower Upper
202 100
101 2.8 0.0 22.6
203 18.0 0.0 37.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.015 min Scan# 3187
Delta R.T. 0.001 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

Tgt Ion:240 Resp: 97052
Ion Ratio Lower Upper
240 100
120 2.1 1.7 2.5
236 25.5 21.1 31.7





#78

Pyrene

Concen: 53.871 ng

RT: 20.099 min Scan# 2861

Delta R.T. 0.001 min

Lab File: BG056055.D

Acq: 21 Dec 2022 19:27

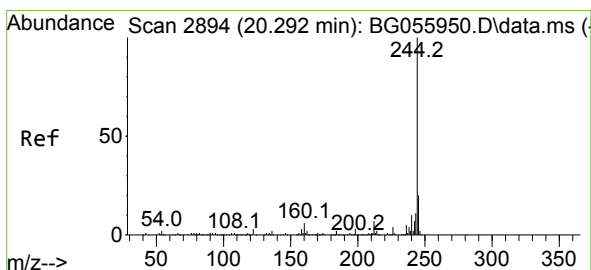
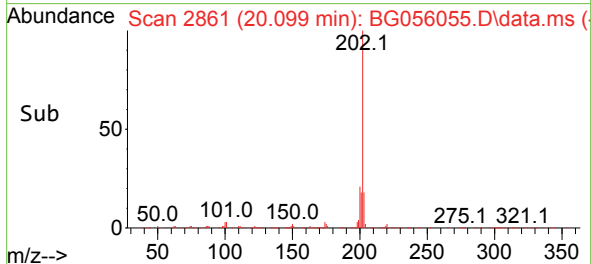
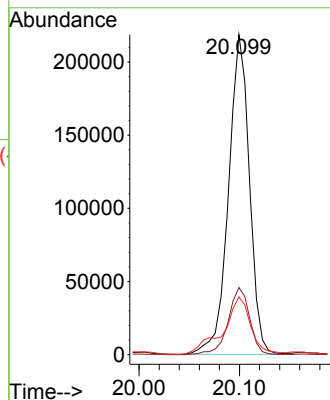
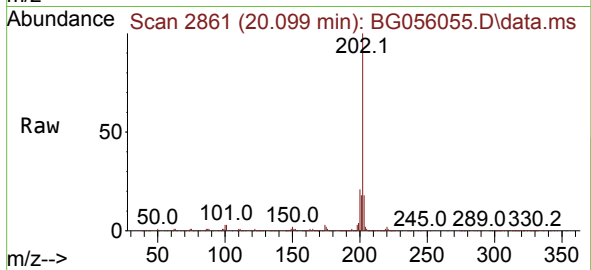
Tgt Ion:202 Resp: 316369

Ion Ratio Lower Upper

202 100

200 21.0 16.7 25.1

203 18.1 14.6 21.8



#79

Terphenyl-d14

Concen: 10.688 ng

RT: 20.276 min Scan# 2891

Delta R.T. -0.005 min

Lab File: BG056055.D

Acq: 21 Dec 2022 19:27

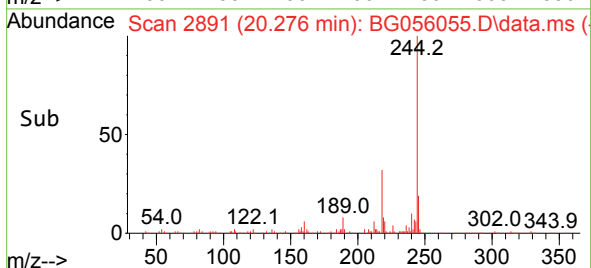
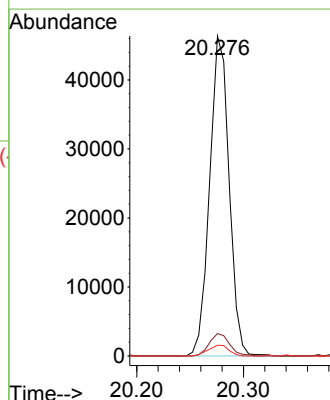
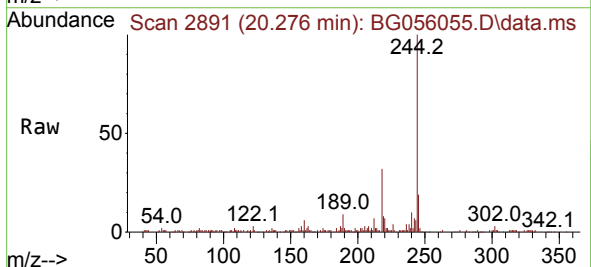
Tgt Ion:244 Resp: 58688

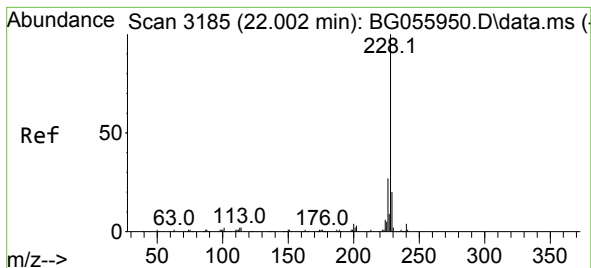
Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.6

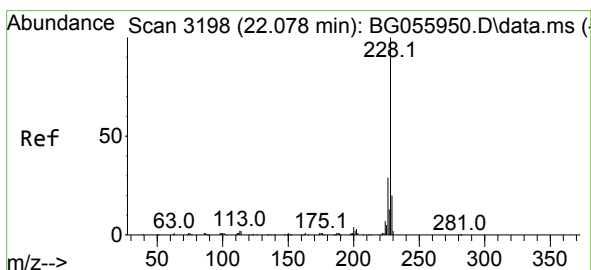
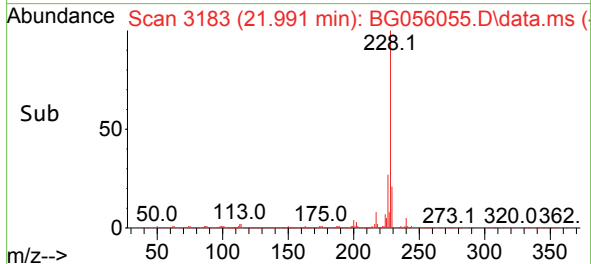
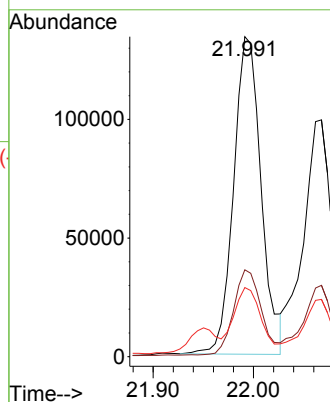
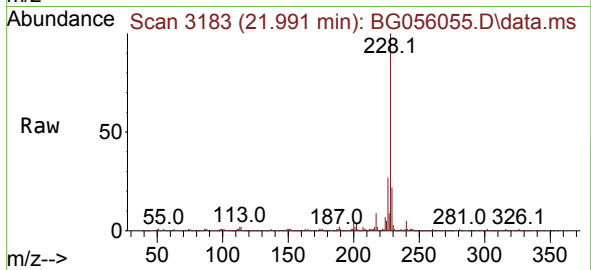
122 3.3 2.5 3.7





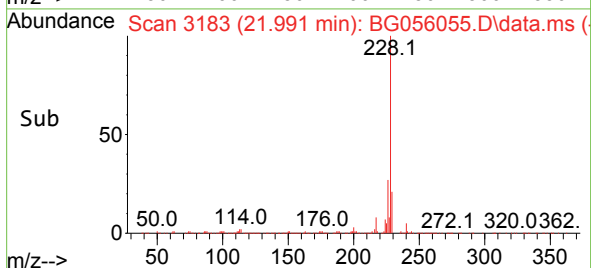
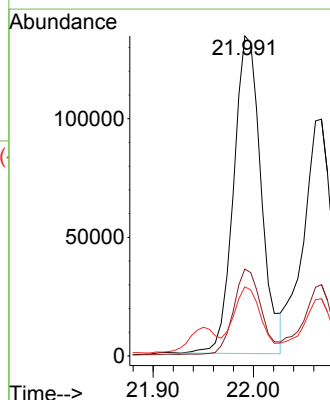
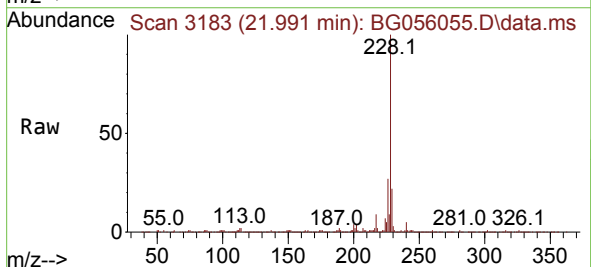
#81
Benzo(a)anthracene
Concen: 37.378 ng
RT: 21.991 min Scan# 3183
Delta R.T. -0.005 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

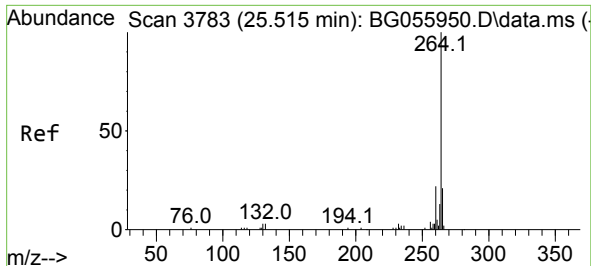
Tgt Ion:228 Resp: 255265
Ion Ratio Lower Upper
228 100
226 27.1 21.8 32.6
229 21.6 15.9 23.9



#83
Chrysene
Concen: 39.882 ng
RT: 21.991 min Scan# 3183
Delta R.T. -0.075 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

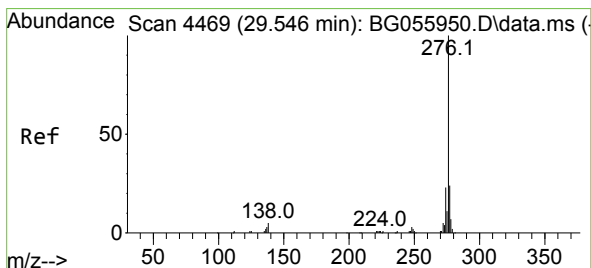
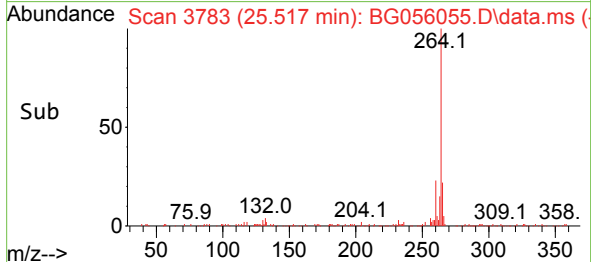
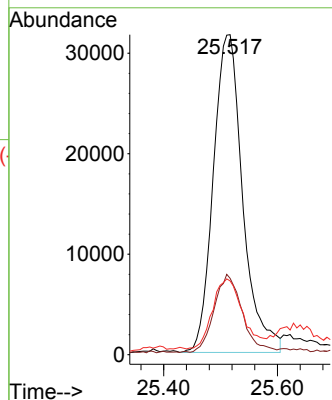
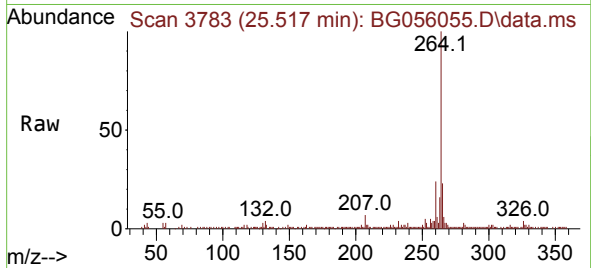
Tgt Ion:228 Resp: 255265
Ion Ratio Lower Upper
228 100
226 27.1 23.1 34.7
229 21.6 15.7 23.5





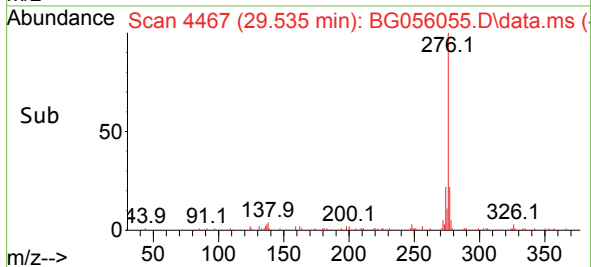
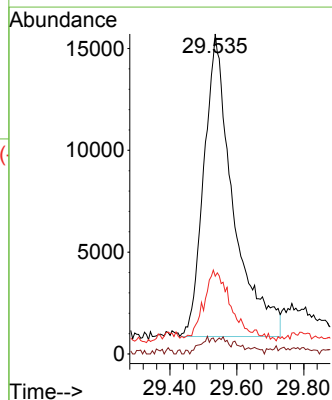
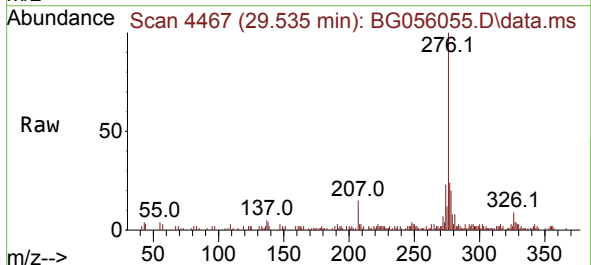
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.517 min Scan# 3783
Delta R.T. 0.019 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

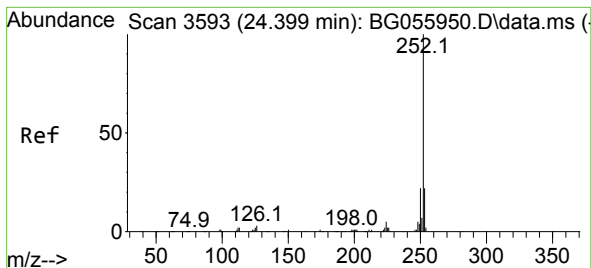
Tgt Ion:	264	Resp:	113682
Ion Ratio	Lower	Upper	
264	100		
260	23.8	17.8	26.8
265	23.0	16.6	25.0



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.851 ng
RT: 29.535 min Scan# 4467
Delta R.T. 0.013 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

Tgt Ion:	276	Resp:	90055
Ion Ratio	Lower	Upper	
276	100		
138	0.0	3.0	4.4#
277	18.1	20.4	30.6#





#88

Benzo(b)fluoranthene

Concen: 36.829 ng

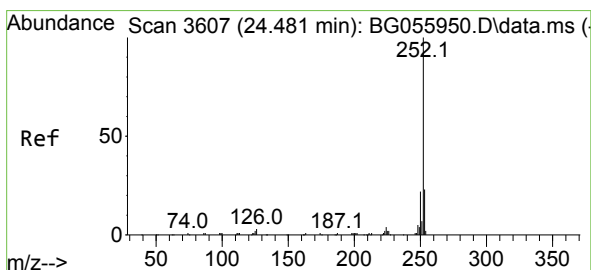
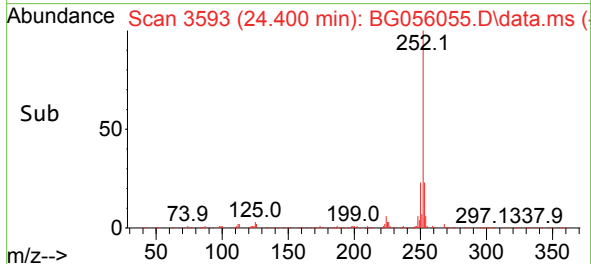
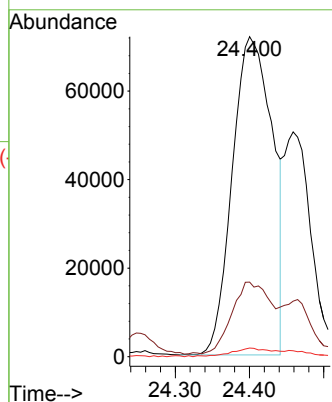
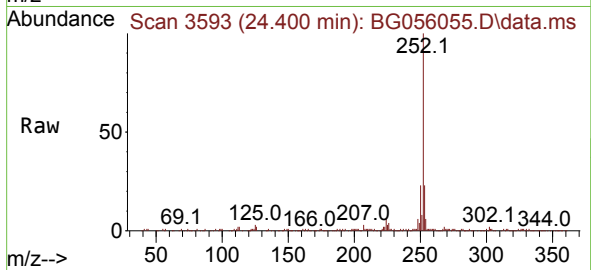
RT: 24.400 min Scan# 3593

Delta R.T. 0.013 min

Lab File: BG056055.D

Acq: 21 Dec 2022 19:27

Tgt Ion:	252	Resp:	270966
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.4	26.0
125	2.7	1.8	2.8



#89

Benzo(k)fluoranthene

Concen: 36.914 ng

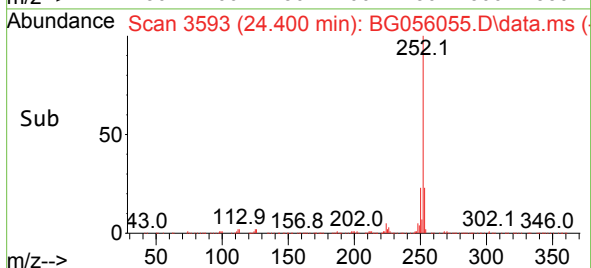
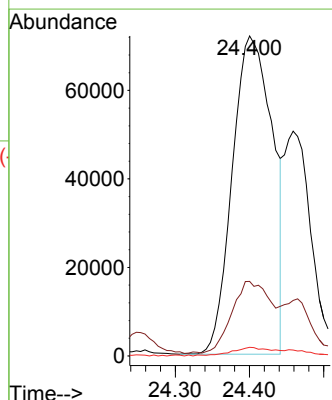
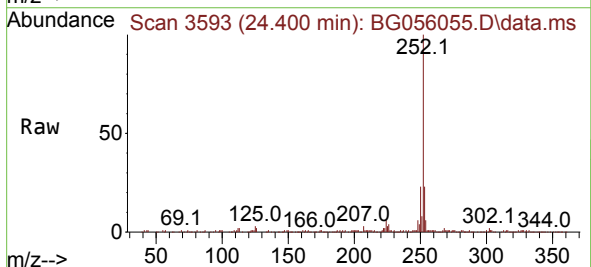
RT: 24.400 min Scan# 3593

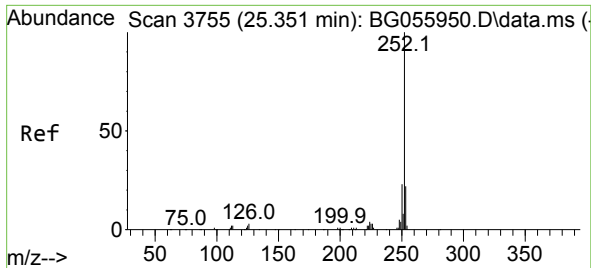
Delta R.T. -0.063 min

Lab File: BG056055.D

Acq: 21 Dec 2022 19:27

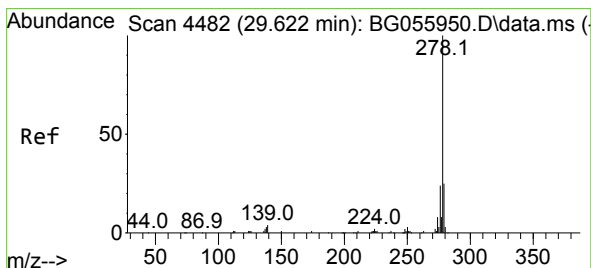
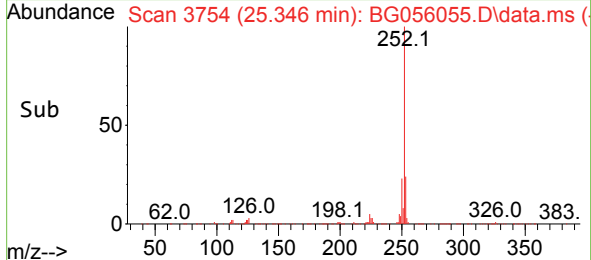
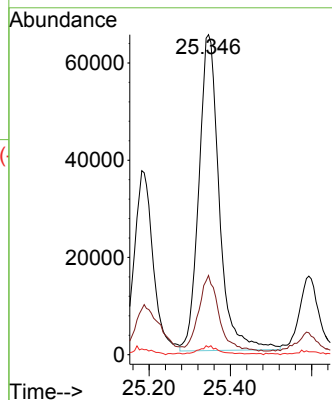
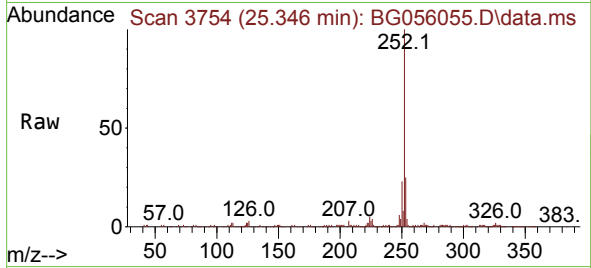
Tgt Ion:	252	Resp:	270966
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.2	27.2
125	2.7	2.0	3.0





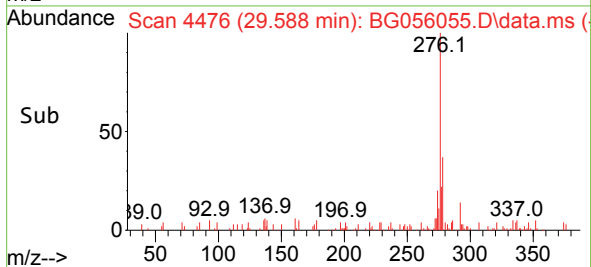
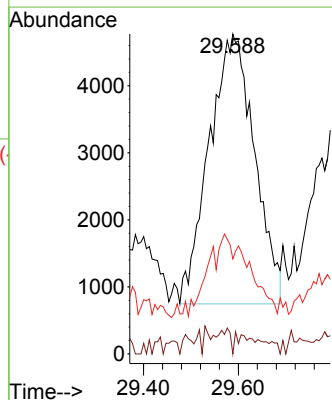
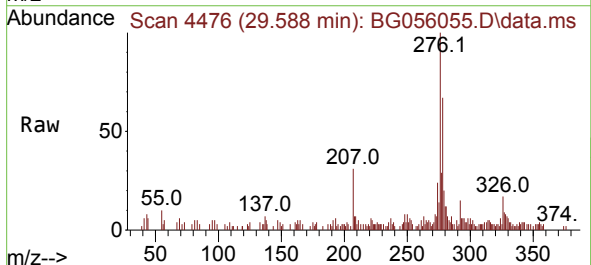
#90
Benzo(a)pyrene
Concen: 36.365 ng
RT: 25.346 min Scan# 3754
Delta R.T. 0.013 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

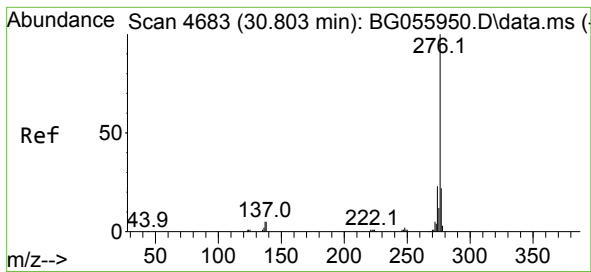
Tgt Ion:252 Resp: 226152
Ion Ratio Lower Upper
252 100
253 24.7 17.7 26.5
125 2.4 1.9 2.9



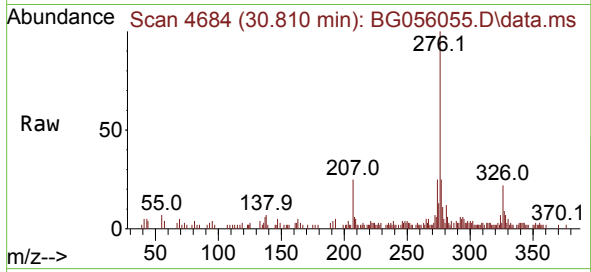
#91
Dibenzo(a,h)anthracene
Concen: 3.507 ng
RT: 29.588 min Scan# 4476
Delta R.T. -0.005 min
Lab File: BG056055.D
Acq: 21 Dec 2022 19:27

Tgt Ion:278 Resp: 26837
Ion Ratio Lower Upper
278 100
139 0.0 2.9 4.3#
279 29.7 20.0 30.0





#92
 Benzo(g,h,i)perylene
 Concen: 8.201 ng
 RT: 30.810 min Scan# 4684
 Delta R.T. 0.019 min
 Lab File: BG056055.D
 Acq: 21 Dec 2022 19:27



Tgt Ion:	276	Resp:	60672
Ion Ratio	Lower	Upper	
276	100		
277	25.4	17.8	26.6
138	6.5	3.8	5.6#

