

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062922\
 Data File : BG054158.D
 Acq On : 29 Jun 2022 23:33
 Operator : CG/JU
 Sample : N3516-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 R-1

Quant Time: Jun 30 05:32:42 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 27 00:27:54 2022
 Response via : Initial Calibration

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

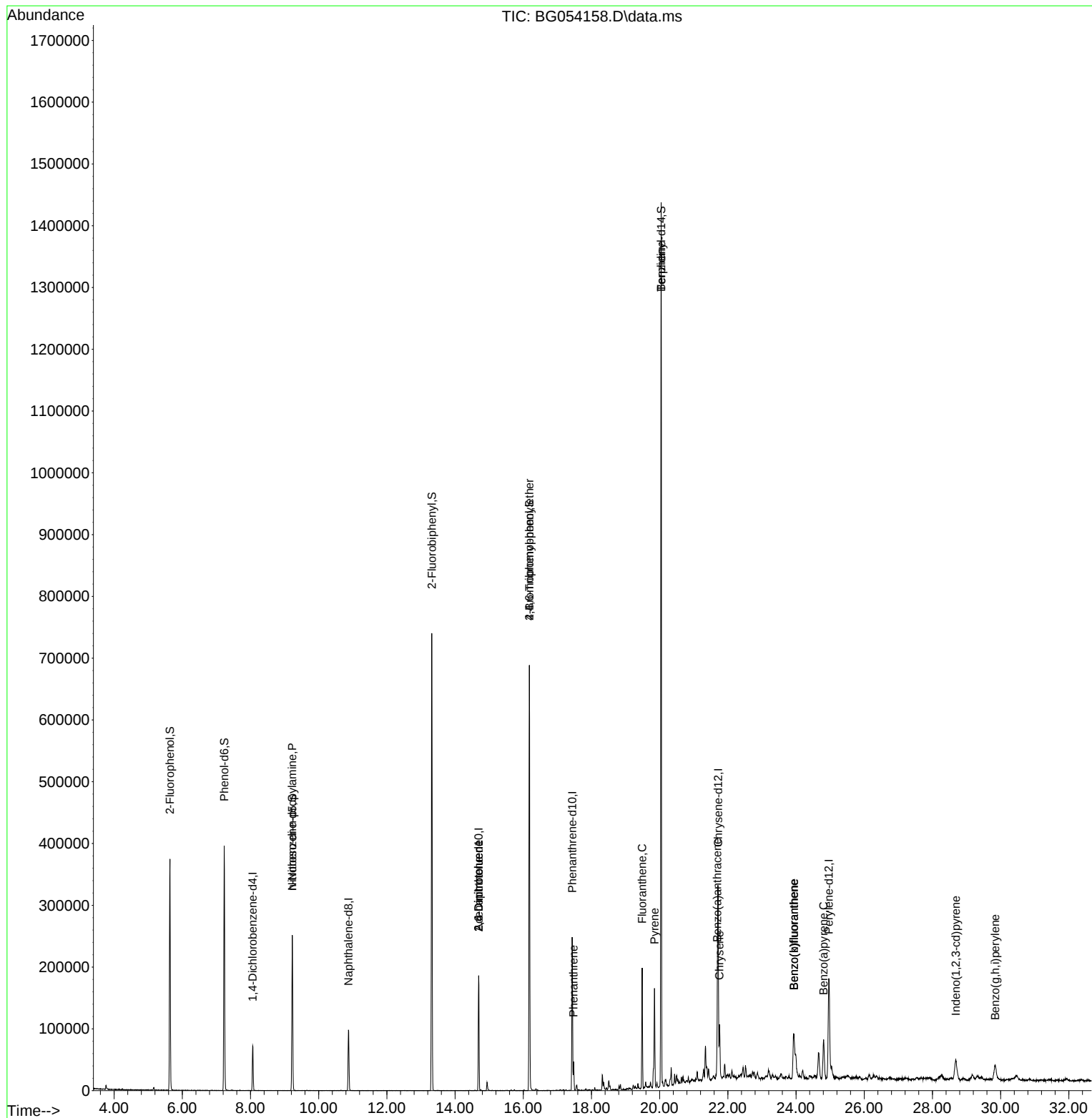
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.065	152	22641	20.000	ng	0.00
21) Naphthalene-d8	10.873	136	92934	20.000	ng	# 0.00
39) Acenaphthene-d10	14.692	164	71984	20.000	ng	0.00
64) Phenanthrene-d10	17.436	188	178817	20.000	ng	# 0.00
76) Chrysene-d12	21.713	240	190687	20.000	ng	0.00
86) Perylene-d12	24.962	264	196911	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.638	112	172533	145.695	ng	0.00
7) Phenol-d6	7.230	99	237147	147.620	ng	0.00
23) Nitrobenzene-d5	9.228	82	157755	95.393	ng	0.00
42) 2,4,6-Tribromophenol	16.179	330	171248	148.068	ng	0.00
45) 2-Fluorobiphenyl	13.317	172	426866	86.230	ng	0.00
79) Terphenyl-d14	20.045	244	793934	83.857	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.228	70	21906	20.297	ng	# 75
51) 2,6-Dinitrotoluene	14.692	165	9154	8.265	ng	# 16
57) 2,4-Dinitrotoluene	14.692	165	9154	5.852	ng	# 21
67) 4-Bromophenyl-phenylether	16.179	248	10796	4.834	ng	# 1
71) Phenanthrene	17.477	178	33250	3.619	ng	96
75) Fluoranthene	19.487	202	133796	11.094	ng	98
77) Benzidine	20.045	184	10746	2.721	ng	# 88
78) Pyrene	19.851	202	119682	10.392	ng	99
81) Benzo(a)anthracene	21.690	228	73637	5.964	ng	99
83) Chrysene	21.754	228	71045	6.037	ng	95
87) Indeno(1,2,3-cd)pyrene	28.688	276	61473	4.137	ng	# 97
88) Benzo(b)fluoranthene	23.940	252	142865	11.933	ng	99
89) Benzo(k)fluoranthene	23.940	252	142865	12.052	ng	98
90) Benzo(a)pyrene	24.810	252	75899	7.513	ng	98
92) Benzo(g,h,i)perylene	29.839	276	57429	4.736	ng	100

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

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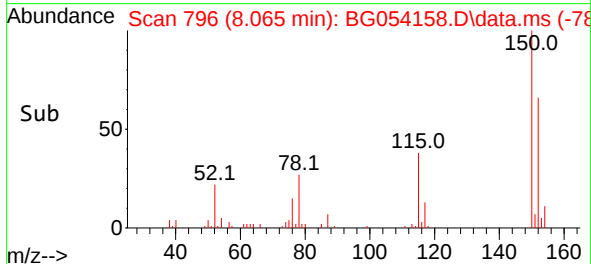
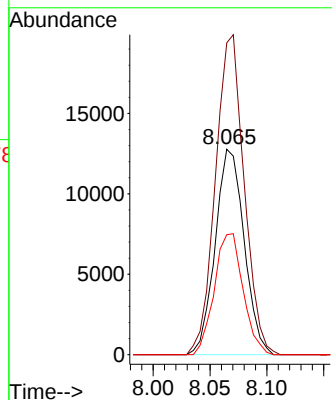
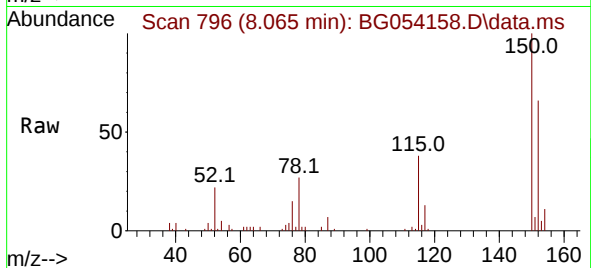




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.065 min Scan# 796
Delta R.T. -0.005 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

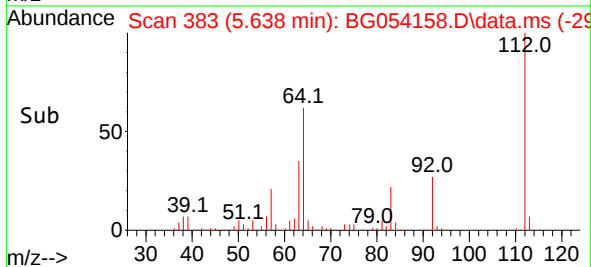
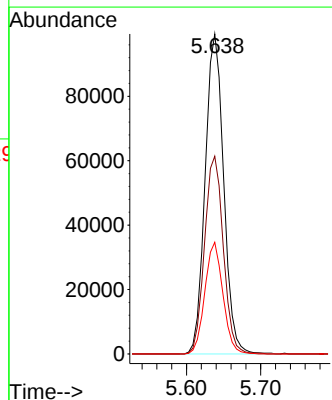
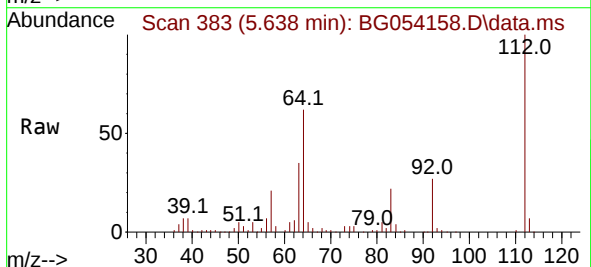
Instrument :
BNA_G
ClientSampleId :
R-1

Tgt Ion:152 Resp: 22641
Ion Ratio Lower Upper
152 100
150 151.8 131.6 197.4
115 58.4 50.9 76.3



#5
2-Fluorophenol
Concen: 145.695 ng
RT: 5.638 min Scan# 383
Delta R.T. 0.000 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

Tgt Ion:112 Resp: 172533
Ion Ratio Lower Upper
112 100
64 61.8 55.1 82.7
63 34.9 30.4 45.6

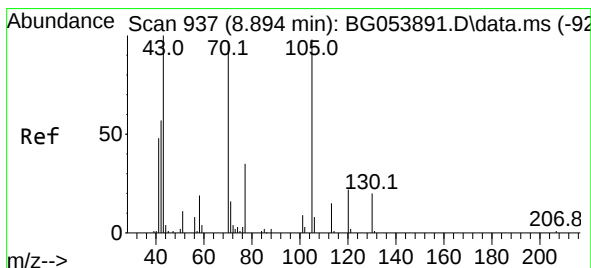
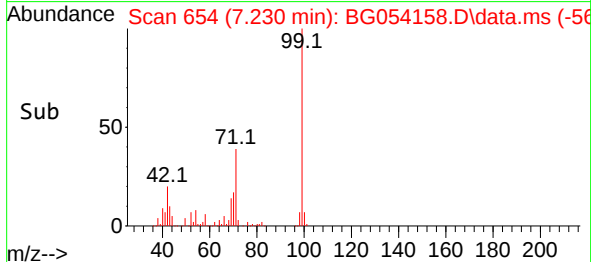
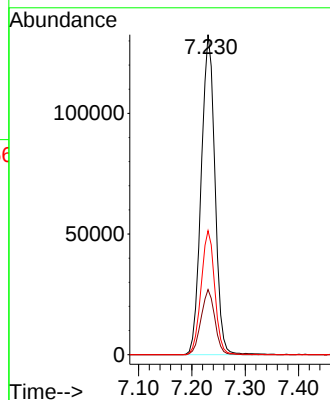
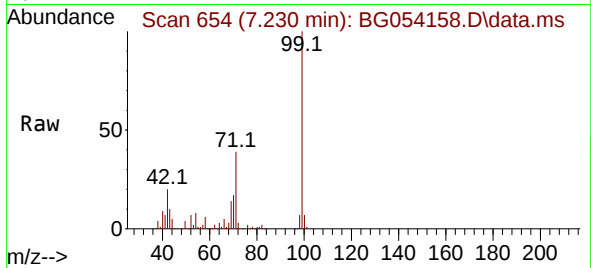




#7
Phenol-d6
Concen: 147.620 ng
RT: 7.230 min Scan# 61
Delta R.T. 0.000 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

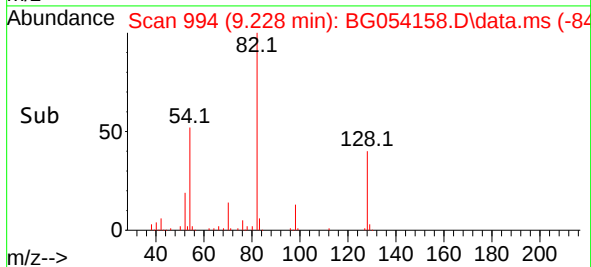
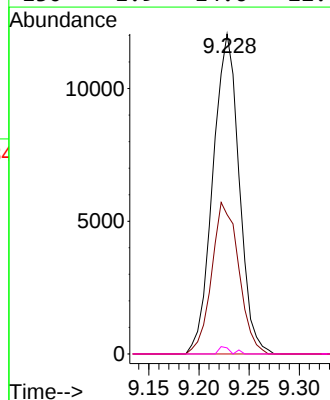
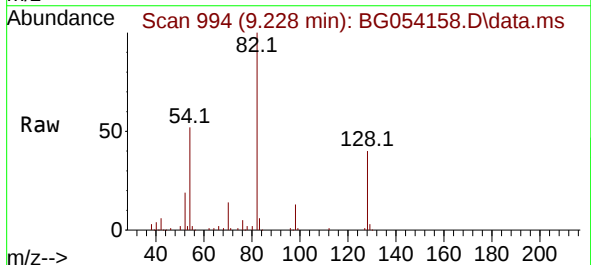
Instrument :
BNA_G
ClientSampleId :
R-1

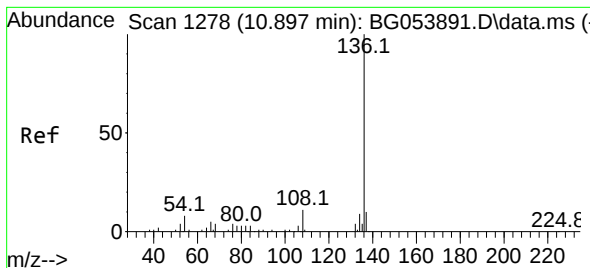
Tgt Ion: 99 Resp: 237147
Ion Ratio Lower Upper
99 100
42 20.4 17.0 25.6
71 38.7 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 20.297 ng
RT: 9.228 min Scan# 994
Delta R.T. 0.353 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

Tgt Ion: 70 Resp: 21906
Ion Ratio Lower Upper
70 100
42 43.6 47.3 70.9#
101 0.0 7.0 10.4#
130 1.9 14.6 22.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.873 min Scan# 11

Delta R.T. -0.006 min

Lab File: BG054158.D

Acq: 29 Jun 2022 23:33

Instrument :

BNA_G

ClientSampleId :

R-1

Tgt Ion:136 Resp: 92934

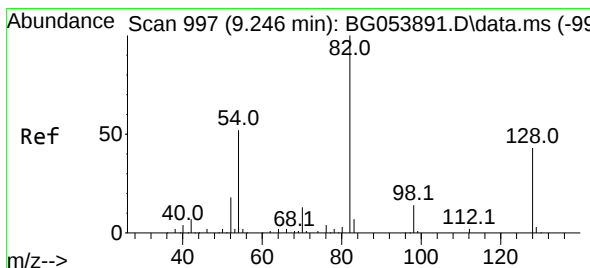
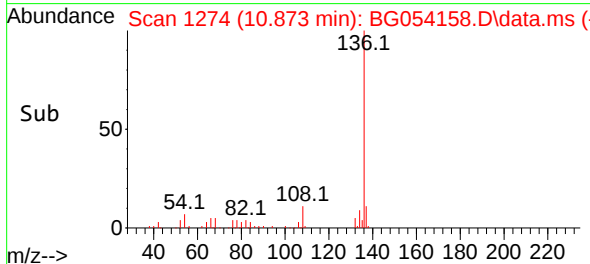
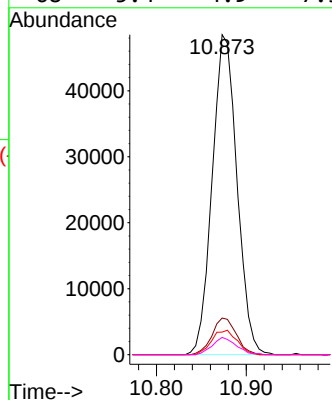
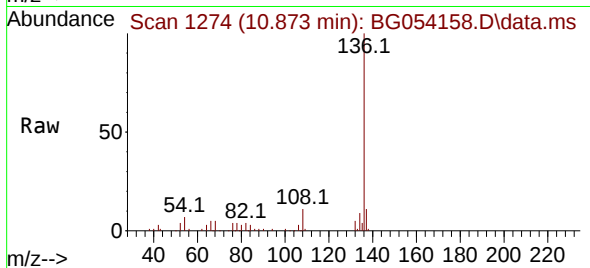
Ion Ratio Lower Upper

136 100

137 11.5 8.5 12.7

54 7.1 7.4 11.2#

68 5.4 4.9 7.3



#23

Nitrobenzene-d5

Concen: 95.393 ng

RT: 9.228 min Scan# 994

Delta R.T. -0.006 min

Lab File: BG054158.D

Acq: 29 Jun 2022 23:33

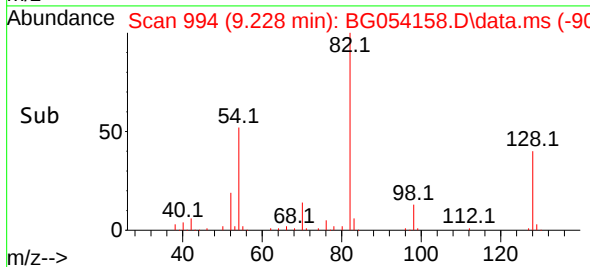
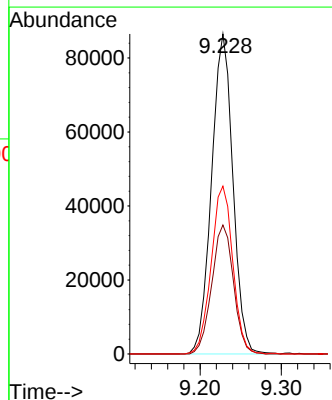
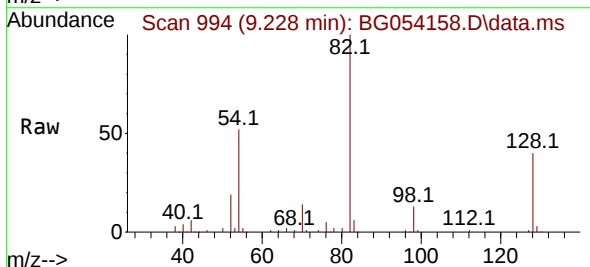
Tgt Ion: 82 Resp: 157755

Ion Ratio Lower Upper

82 100

128 40.3 27.9 41.9

54 52.4 41.2 61.8

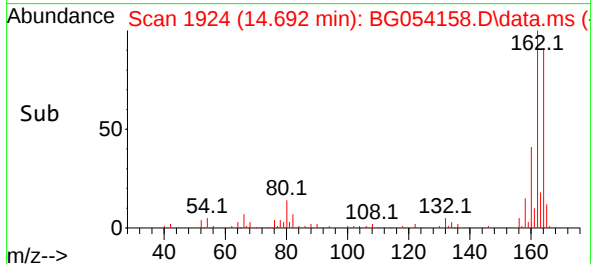
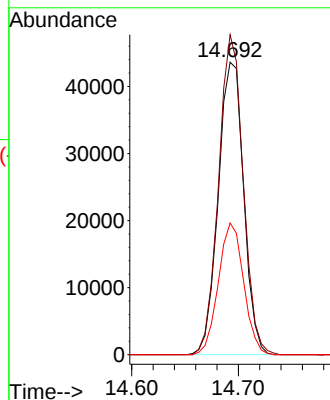
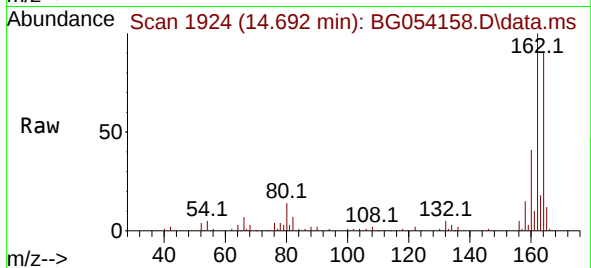




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.692 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

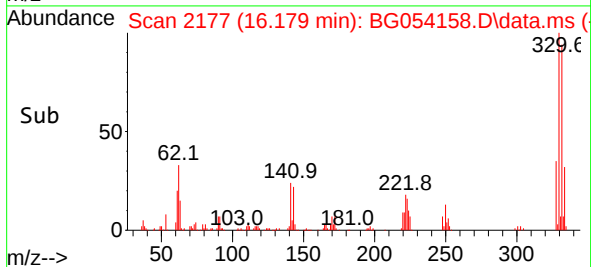
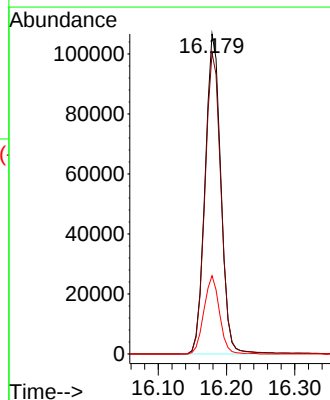
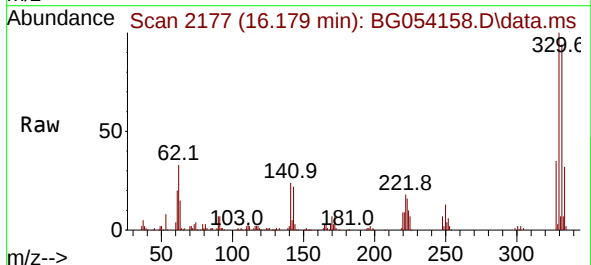
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ClientSampleId :
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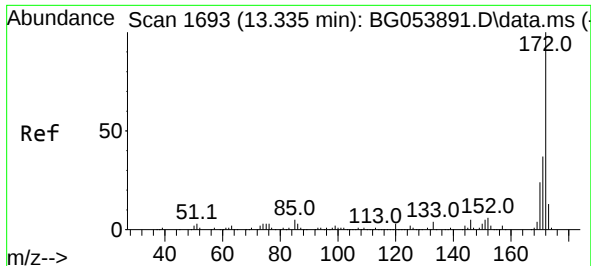
Tgt Ion:164 Resp: 71984
Ion Ratio Lower Upper
164 100
162 109.4 82.3 123.5
160 45.0 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 148.068 ng
RT: 16.179 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

Tgt Ion:330 Resp: 171248
Ion Ratio Lower Upper
330 100
332 95.9 76.0 114.0
141 24.0 27.1 40.7#

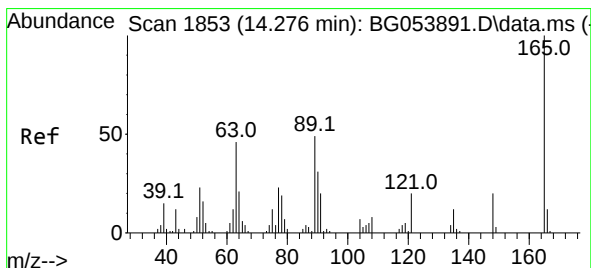
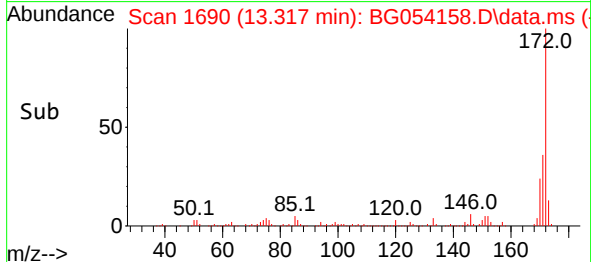
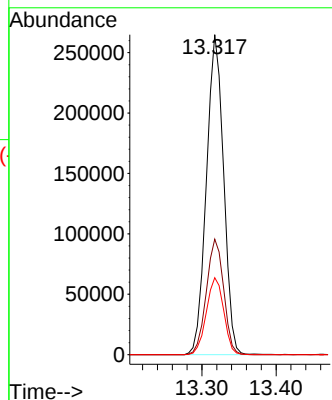
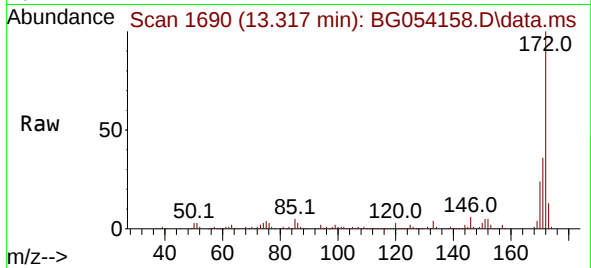




#45
2-Fluorobiphenyl
Concen: 86.230 ng
RT: 13.317 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

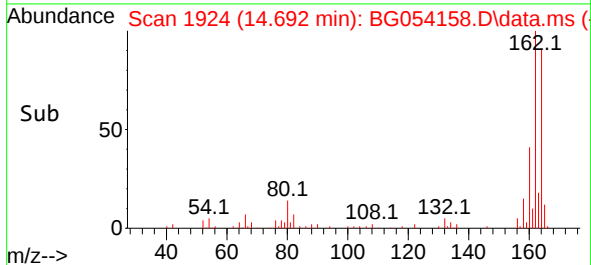
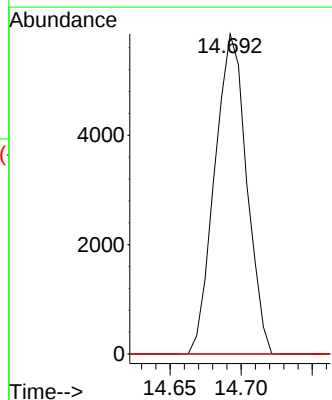
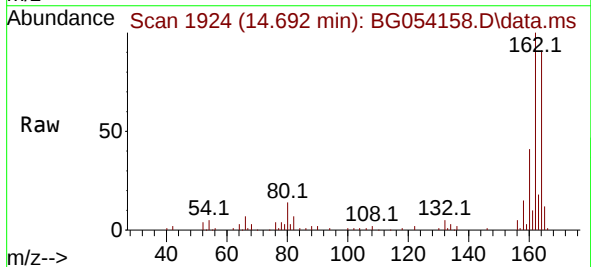
Instrument :
BNA_G
ClientSampleId :
R-1

Tgt Ion:172 Resp: 426866
Ion Ratio Lower Upper
172 100
171 36.1 28.5 42.7
170 24.0 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.265 ng
RT: 14.692 min Scan# 1924
Delta R.T. 0.429 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

Tgt Ion:165 Resp: 9154
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#





#57

2,4-Dinitrotoluene

Concen: 5.852 ng

RT: 14.692 min Scan# 1924

Delta R.T. -0.358 min

Lab File: BG054158.D

Acq: 29 Jun 2022 23:33

Instrument :

BNA_G

ClientSampleId :

R-1

Tgt Ion:165 Resp: 9154

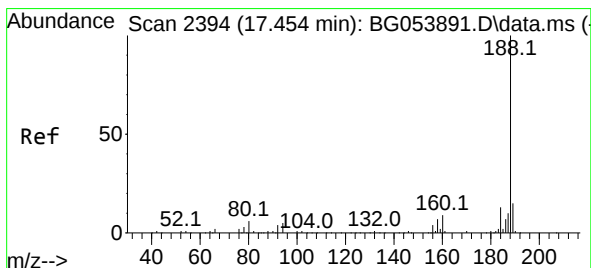
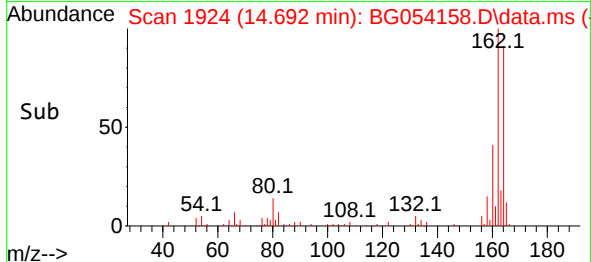
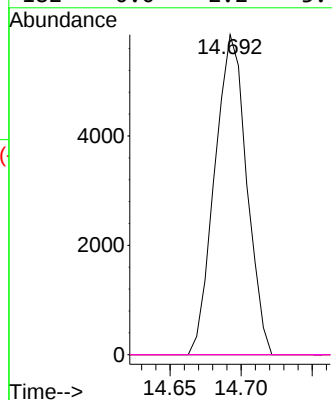
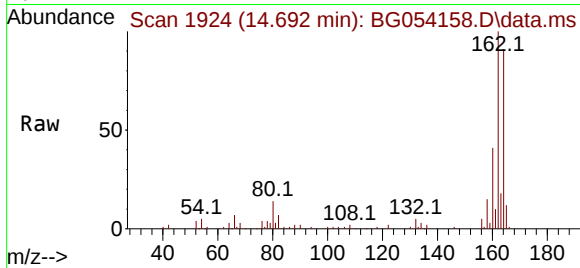
Ion Ratio Lower Upper

165 100

63 0.0 34.6 52.0#

89 0.0 60.3 90.5#

182 0.0 2.2 3.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.436 min Scan# 2391

Delta R.T. -0.006 min

Lab File: BG054158.D

Acq: 29 Jun 2022 23:33

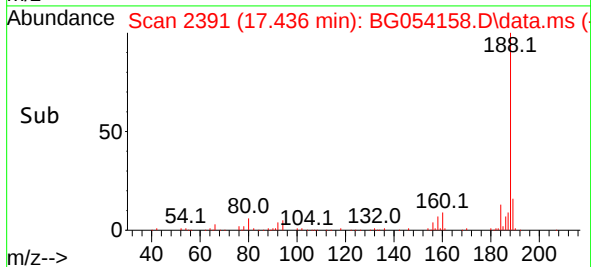
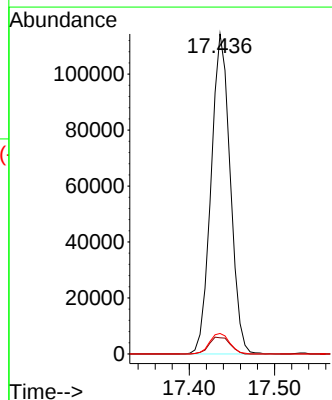
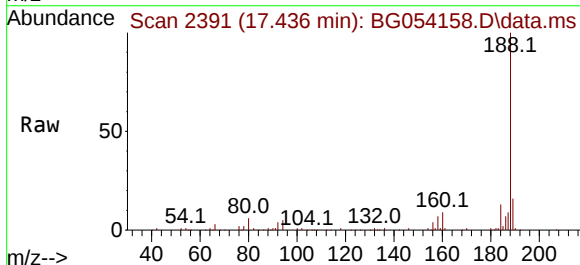
Tgt Ion:188 Resp: 178817

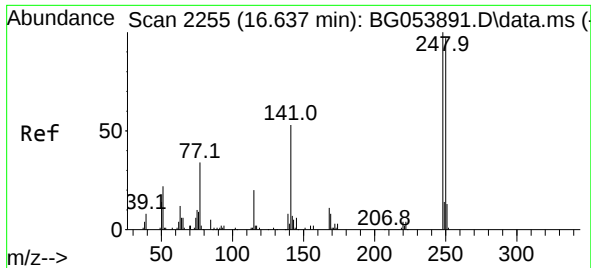
Ion Ratio Lower Upper

188 100

94 5.1 5.4 8.0#

80 6.4 6.8 10.2#

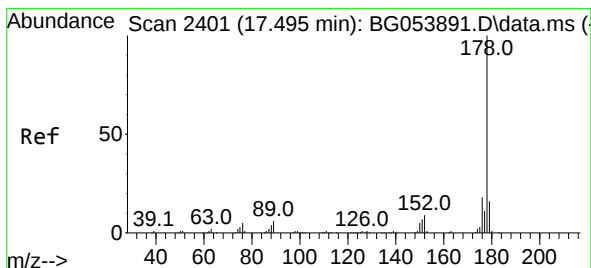
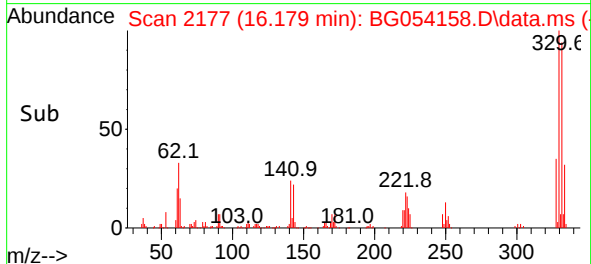
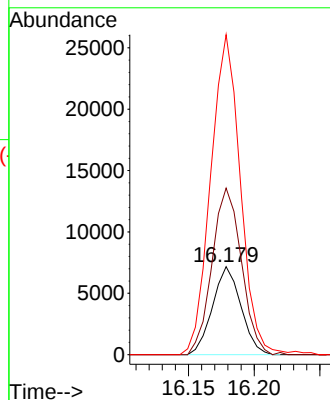
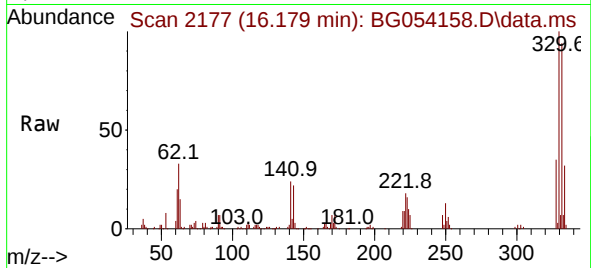




#67
4-Bromophenyl-phenylether
Concen: 4.834 ng
RT: 16.179 min Scan# 2177
Delta R.T. -0.446 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

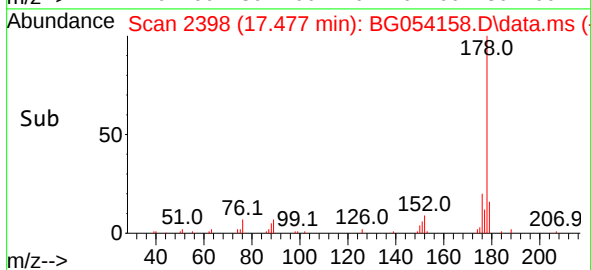
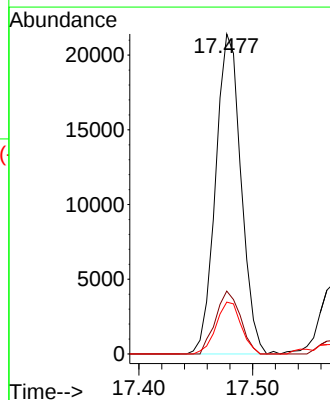
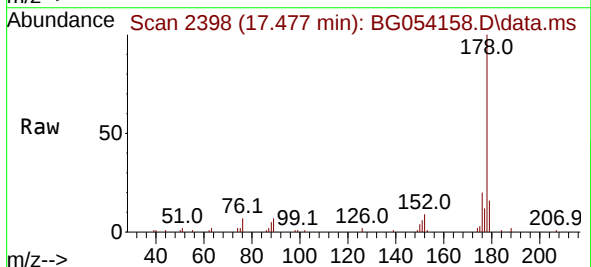
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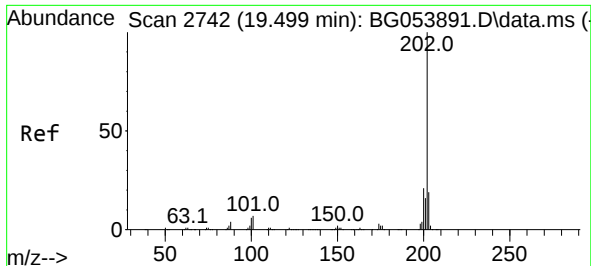
Tgt Ion:248 Resp: 10796
Ion Ratio Lower Upper
248 100
250 188.1 75.2 112.8#
141 282.5 50.0 75.0#



#71
Phenanthrene
Concen: 3.619 ng
RT: 17.477 min Scan# 2398
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

Tgt Ion:178 Resp: 33250
Ion Ratio Lower Upper
178 100
176 19.7 14.1 21.1
179 16.2 12.1 18.1

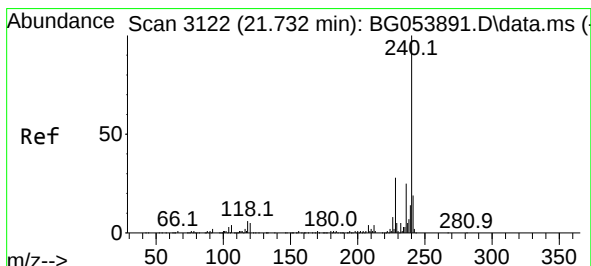
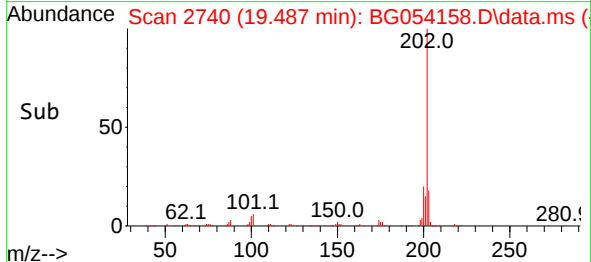
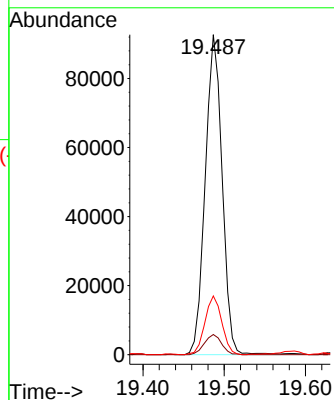
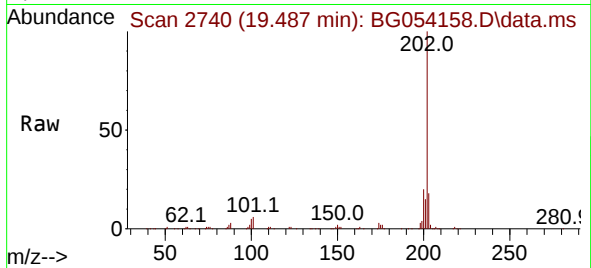




#75
Fluoranthene
Concen: 11.094 ng
RT: 19.487 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

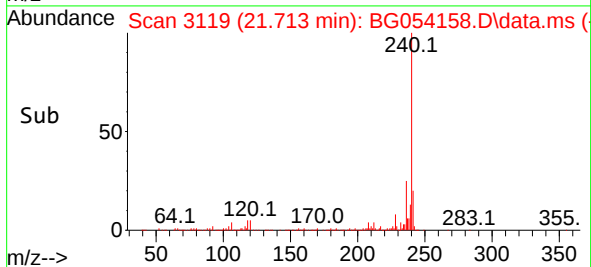
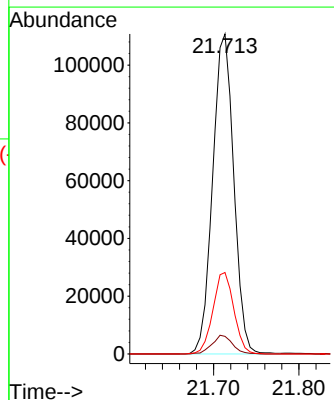
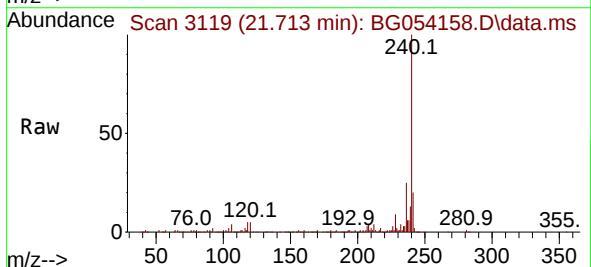
Instrument :
BNA_G
ClientSampleId :
R-1

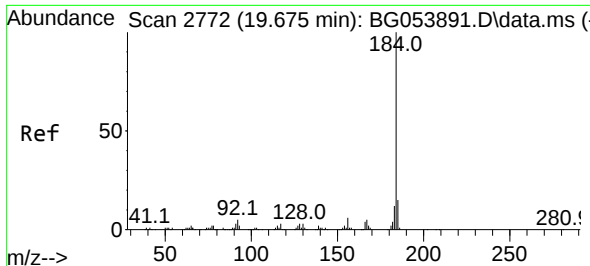
Tgt Ion:202 Resp: 133796
Ion Ratio Lower Upper
202 100
101 6.3 0.0 26.9
203 18.3 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.713 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

Tgt Ion:240 Resp: 190687
Ion Ratio Lower Upper
240 100
120 5.5 4.6 7.0
236 25.4 20.2 30.4

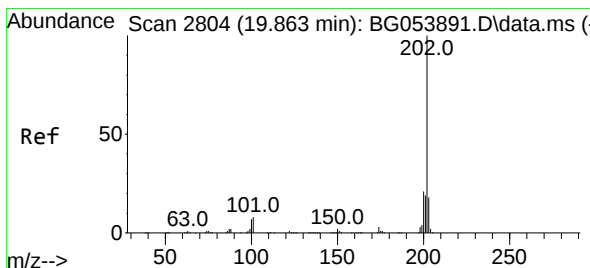
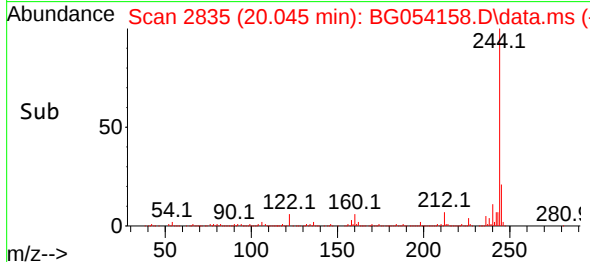
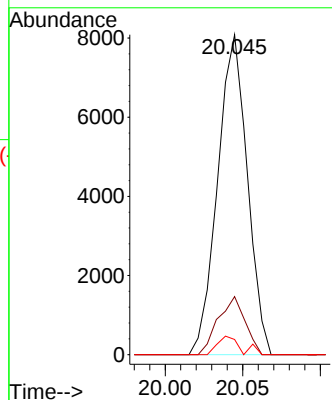
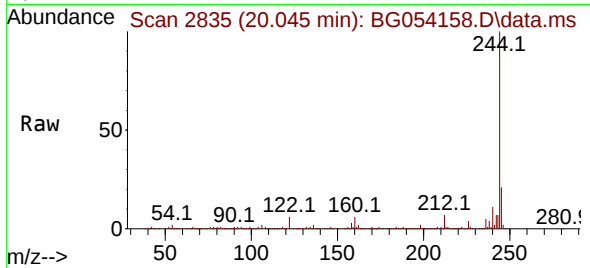




#77
Benzidine
Concen: 2.721 ng
RT: 20.045 min Scan# 21
Delta R.T. 0.382 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

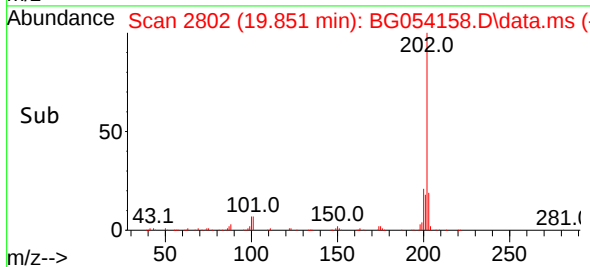
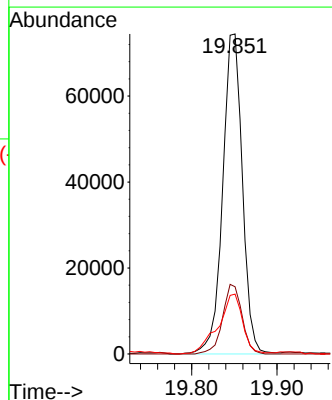
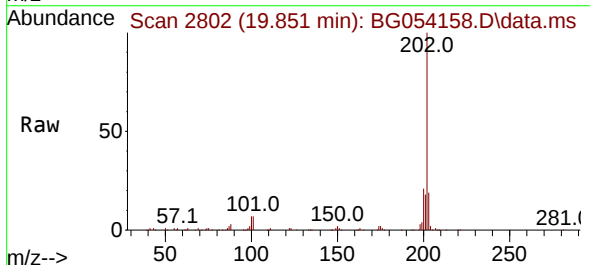
Instrument :
BNA_G
ClientSampleId :
R-1

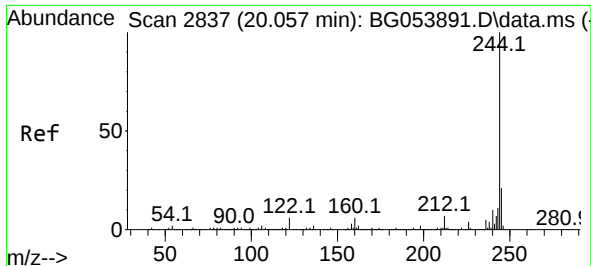
Tgt Ion:184 Resp: 10746
Ion Ratio Lower Upper
184 100
185 18.2 11.8 17.6#
183 4.7 8.9 13.3#



#78
Pyrene
Concen: 10.392 ng
RT: 19.851 min Scan# 2802
Delta R.T. 0.000 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

Tgt Ion:202 Resp: 119682
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 18.7 14.6 21.8

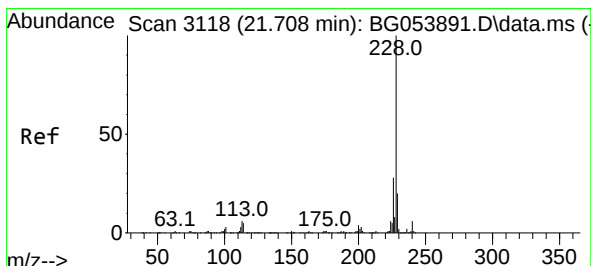
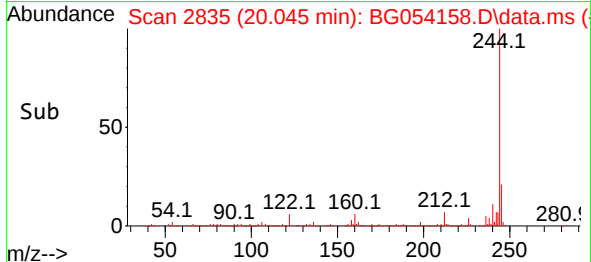
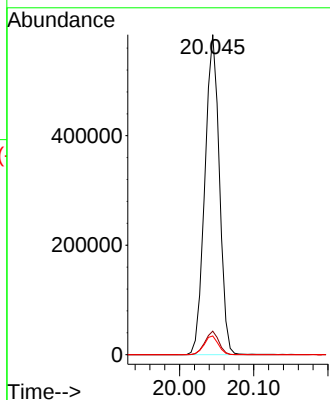
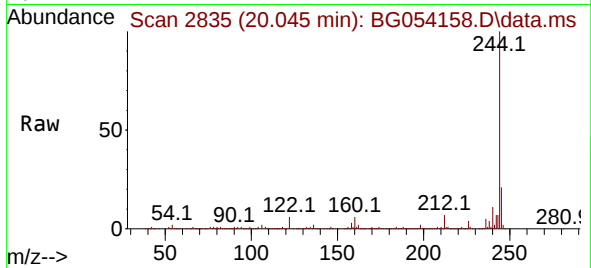




#79
 Terphenyl-d14
 Concen: 83.857 ng
 RT: 20.045 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BG054158.D
 Acq: 29 Jun 2022 23:33

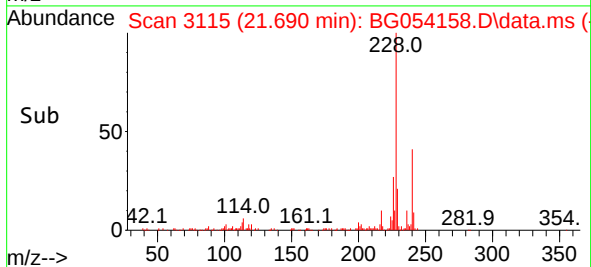
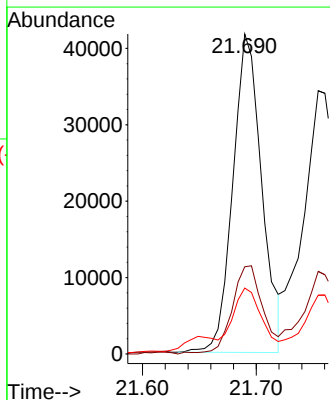
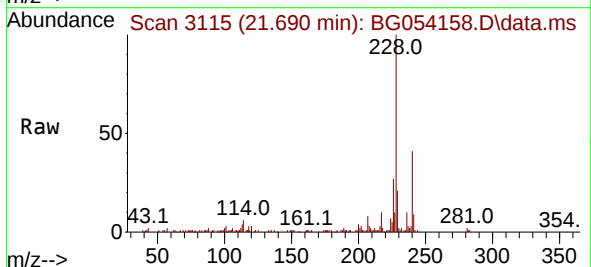
Instrument :
 BNA_G
 ClientSampleId :
 R-1

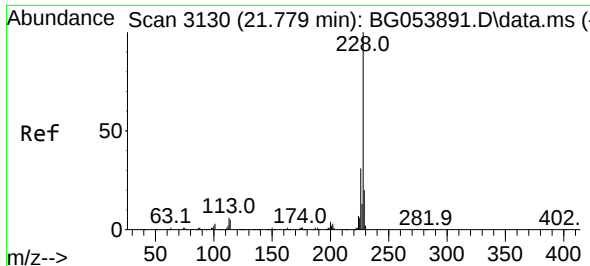
Tgt Ion:244 Resp: 793934
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.5 9.7
 122 5.8 5.0 7.4



#81
 Benzo(a)anthracene
 Concen: 5.964 ng
 RT: 21.690 min Scan# 3115
 Delta R.T. -0.006 min
 Lab File: BG054158.D
 Acq: 29 Jun 2022 23:33

Tgt Ion:228 Resp: 73637
 Ion Ratio Lower Upper
 228 100
 226 27.3 21.6 32.4
 229 20.6 16.2 24.2

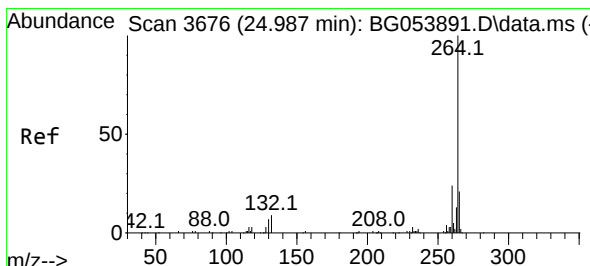
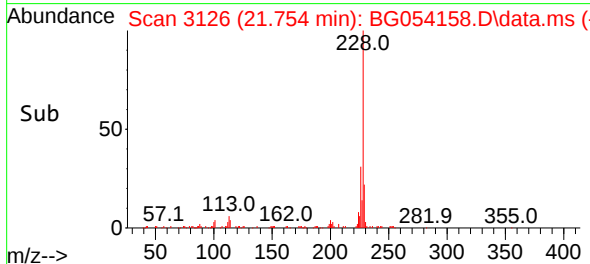
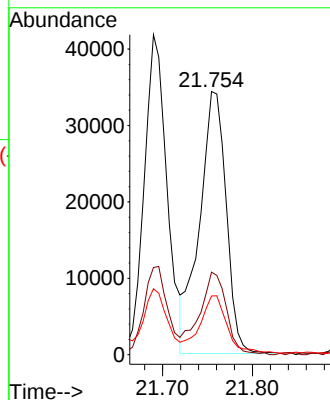
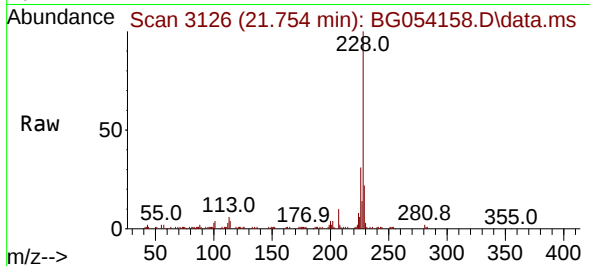




#83
Chrysene
Concen: 6.037 ng
RT: 21.754 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

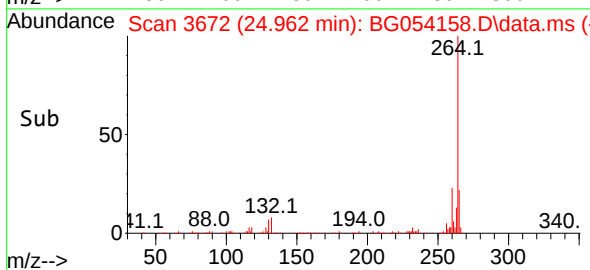
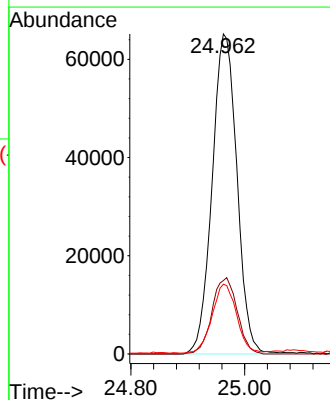
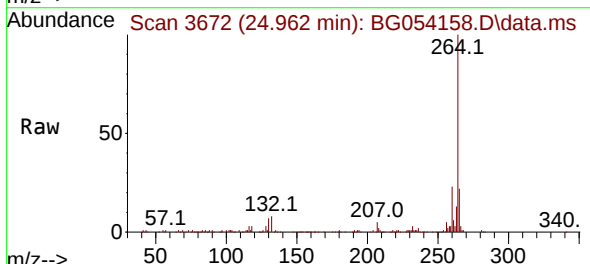
Instrument :
BNA_G
ClientSampleId :
R-1

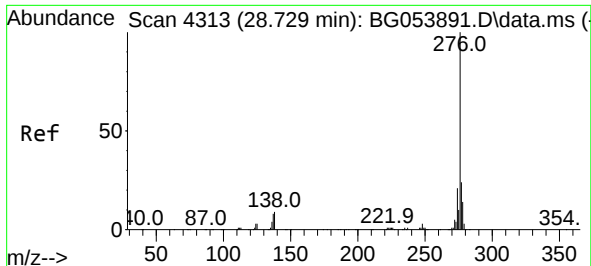
Tgt Ion:228	Resp:	71045
Ion Ratio	Lower	Upper
228	100	
226	31.4	23.4 35.2
229	22.3	15.5 23.3



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.962 min Scan# 3672
Delta R.T. 0.000 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

Tgt Ion:264	Resp:	196911
Ion Ratio	Lower	Upper
264	100	
260	23.0	19.0 28.6
265	21.8	17.4 26.2

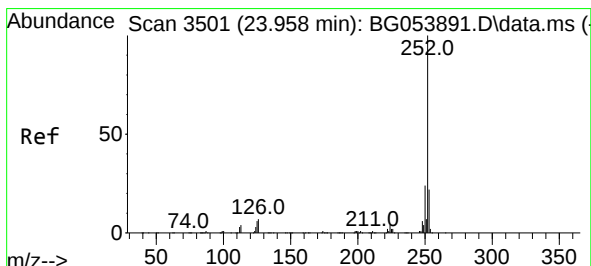
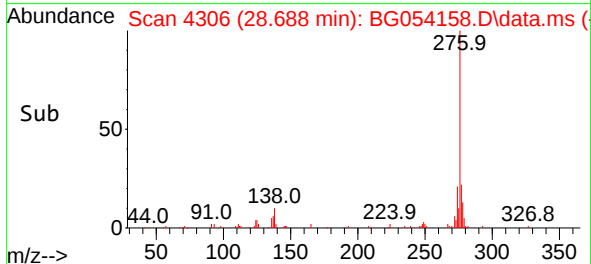
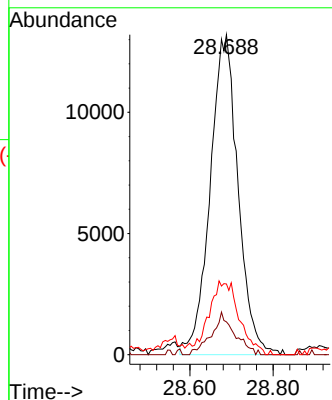
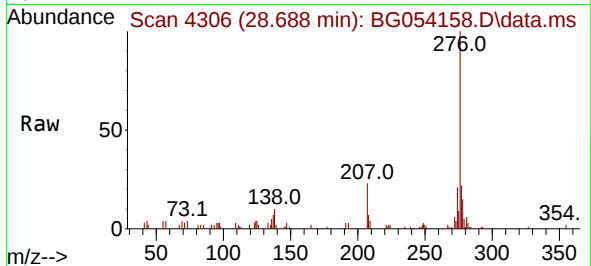




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.137 ng
 RT: 28.688 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: BG054158.D
 Acq: 29 Jun 2022 23:33

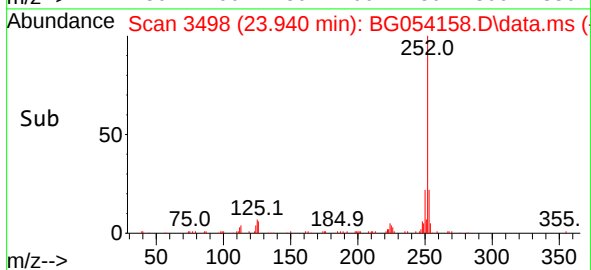
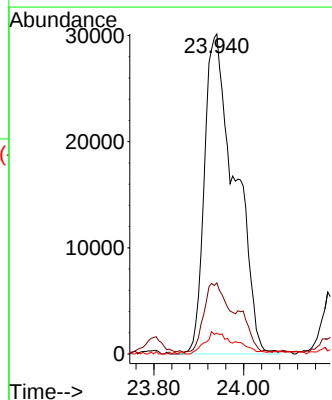
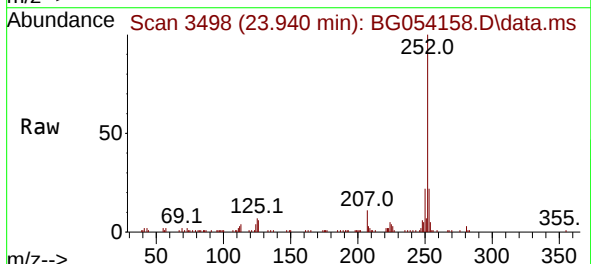
Instrument :
 BNA_G
 ClientSampleId :
 R-1

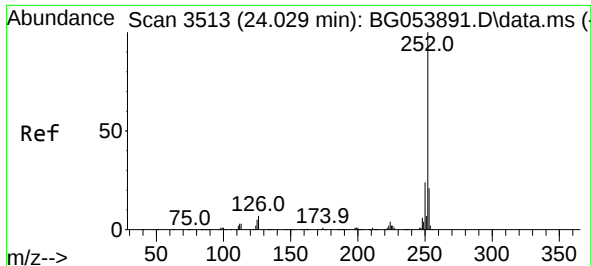
Tgt Ion:276 Resp: 61473
 Ion Ratio Lower Upper
 276 100
 138 11.0 5.0 7.4#
 277 25.5 20.3 30.5



#88
 Benzo(b)fluoranthene
 Concen: 11.933 ng
 RT: 23.940 min Scan# 3498
 Delta R.T. 0.006 min
 Lab File: BG054158.D
 Acq: 29 Jun 2022 23:33

Tgt Ion:252 Resp: 142865
 Ion Ratio Lower Upper
 252 100
 253 22.2 18.0 27.0
 125 6.5 4.6 6.8

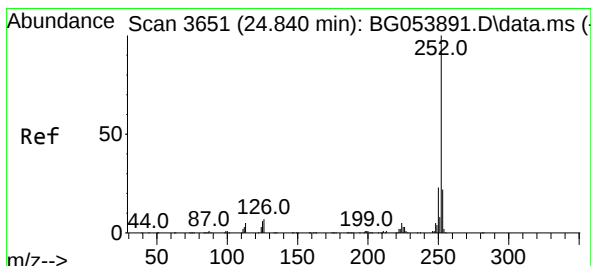
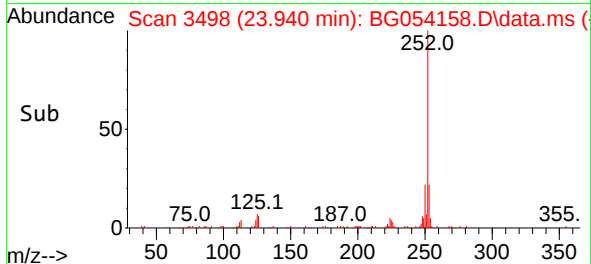
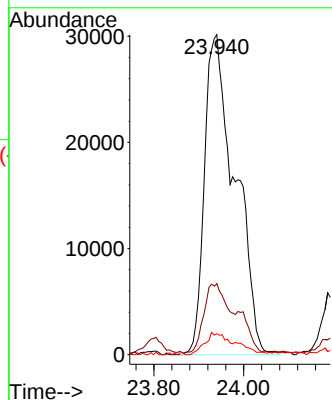
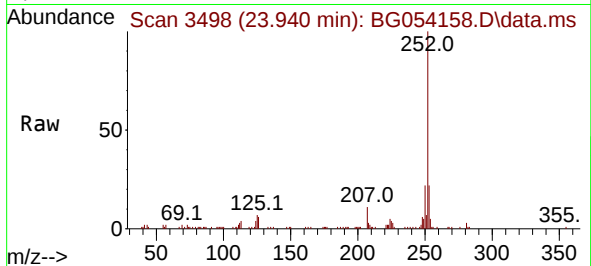




#89
Benzo(k)fluoranthene
Concen: 12.052 ng
RT: 23.940 min Scan# 34
Delta R.T. -0.064 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

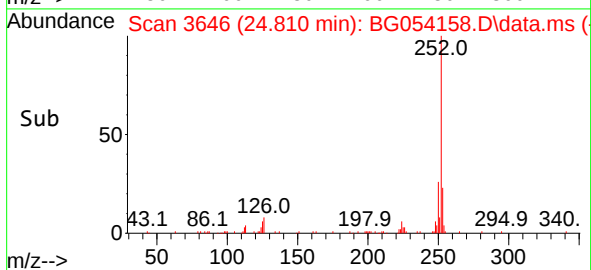
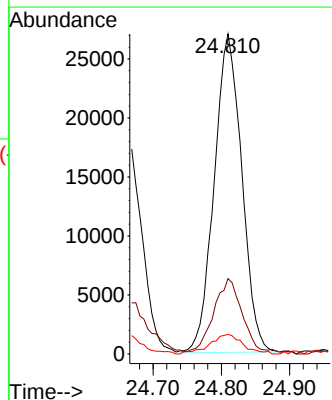
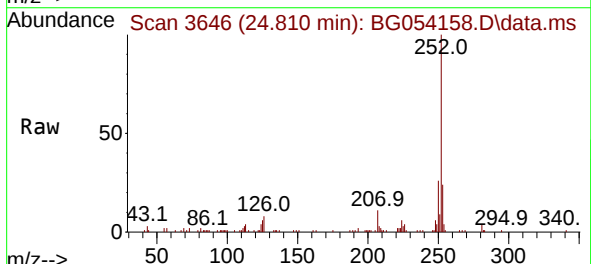
Instrument :
BNA_G
ClientSampleId :
R-1

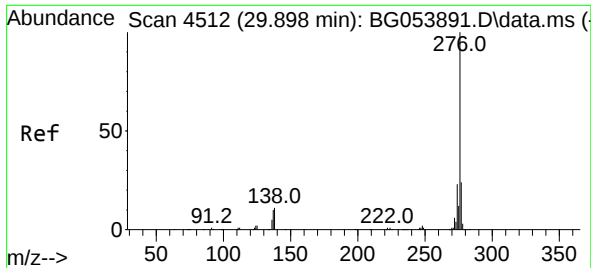
Tgt Ion:252 Resp: 142865
Ion Ratio Lower Upper
252 100
253 22.2 18.4 27.6
125 6.5 4.8 7.2



#90
Benzo(a)pyrene
Concen: 7.513 ng
RT: 24.810 min Scan# 3646
Delta R.T. -0.006 min
Lab File: BG054158.D
Acq: 29 Jun 2022 23:33

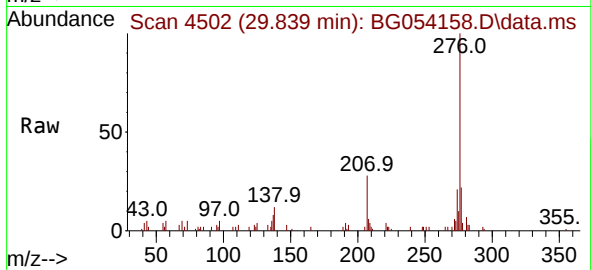
Tgt Ion:252 Resp: 75899
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.8
125 6.1 4.3 6.5





#92
 Benzo(g,h,i)perylene
 Concen: 4.736 ng
 RT: 29.839 min Scan# 4
 Delta R.T. -0.023 min
 Lab File: BG054158.D
 Acq: 29 Jun 2022 23:33

Instrument :
 BNA_G
 ClientSampleId :
 R-1



Tgt Ion:	276	Resp:	57429
Ion	Ratio	Lower	Upper
276	100		
277	21.6	17.3	25.9
138	11.6	9.6	14.4

