

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
 Data File : BG054124.D
 Acq On : 28 Jun 2022 19:30
 Operator : CG/JU
 Sample : N3488-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 29 00:50:15 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)

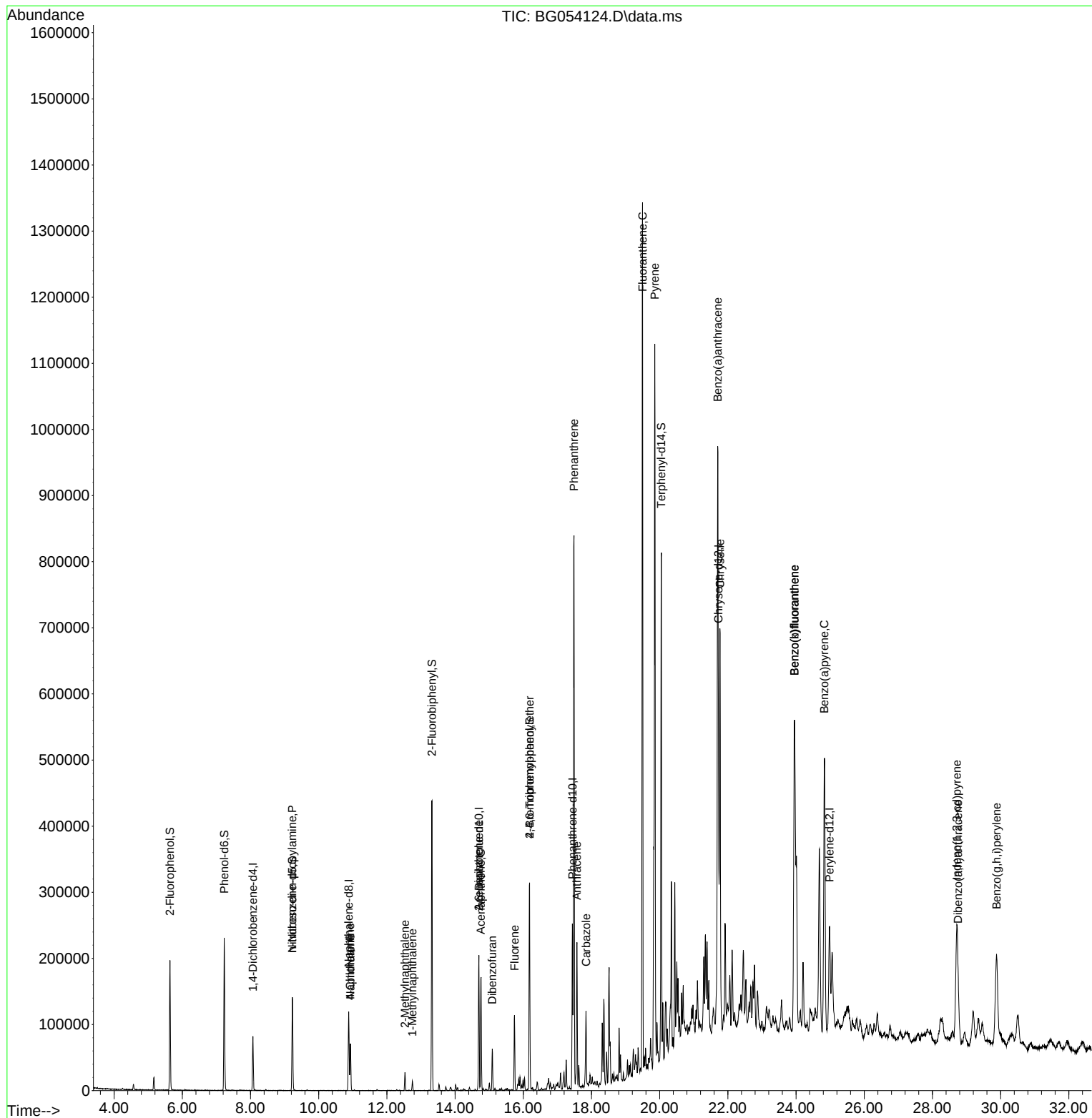
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.070	152	25081	20.000	ng	0.00
21) Naphthalene-d8	10.879	136	108854	20.000	ng	0.00
39) Acenaphthene-d10	14.698	164	79892	20.000	ng	0.00
64) Phenanthrene-d10	17.441	188	179298	20.000	ng	0.00
76) Chrysene-d12	21.719	240	172171	20.000	ng	0.00
86) Perylene-d12	24.980	264	182411	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.638	112	93963	71.627	ng	0.00
7) Phenol-d6	7.230	99	138462	77.805	ng	0.00
23) Nitrobenzene-d5	9.228	82	90187	46.559	ng	0.00
42) 2,4,6-Tribromophenol	16.184	330	70945	55.270	ng	0.00
45) 2-Fluorobiphenyl	13.323	172	263441	47.950	ng	0.00
79) Terphenyl-d14	20.050	244	439647	51.431	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.228	70	12023	10.056	ng	# 82
31) Naphthalene	10.931	128	63903	11.629	ng	99
33) 4-Chloroaniline	10.926	127	8619	3.781	ng	# 37
37) 2-Methylnaphthalene	12.530	142	14068	3.460	ng	91
38) 1-Methylnaphthalene	12.747	142	7944	2.007	ng	96
51) 2,6-Dinitrotoluene	14.698	165	11298	9.191	ng	# 16
52) Acenaphthene	14.756	154	69453	15.558	ng	98
55) Dibenzofuran	15.091	168	44361	6.168	ng	# 93
58) Fluorene	15.743	166	57450	9.729	ng	99
67) 4-Bromophenyl-phenylether	16.184	248	4687	2.093	ng	# 1
71) Phenanthrene	17.488	178	590724	64.127	ng	96
72) Anthracene	17.571	178	159406	17.721	ng	98
73) Carbazole	17.841	167	77806	10.077	ng	99
75) Fluoranthene	19.498	202	901960	74.587	ng	96
78) Pyrene	19.856	202	808666	77.766	ng	97
81) Benzo(a)anthracene	21.701	228	583161	52.312	ng	99
83) Chrysene	21.772	228	481354	45.299	ng	96
87) Indeno(1,2,3-cd)pyrene	28.716	276	337945	24.550	ng	# 96
88) Benzo(b)fluoranthene	23.957	252	681494	61.445	ng	# 98
89) Benzo(k)fluoranthene	23.957	252	681494	62.060	ng	99
90) Benzo(a)pyrene	24.833	252	515886	55.129	ng	# 97
91) Dibenzo(a,h)anthracene	28.752	278	95863	8.422	ng	92
92) Benzo(g,h,i)perylene	29.880	276	312659	27.833	ng	95

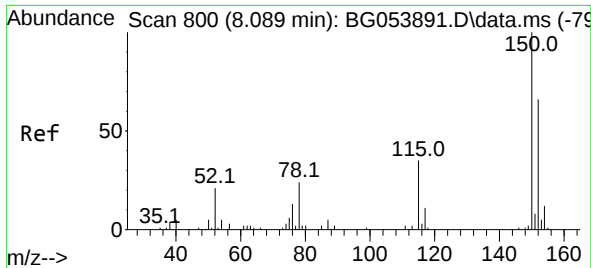
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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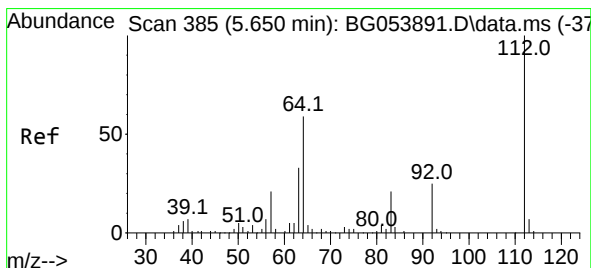
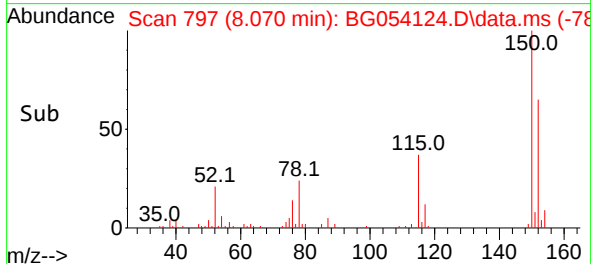
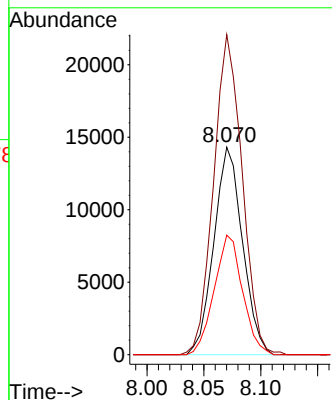
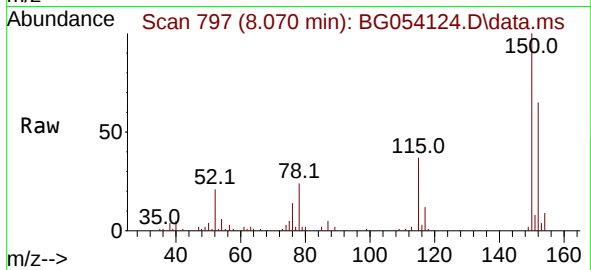




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.070 min Scan# 79
 Delta R.T. 0.000 min
 Lab File: BG054124.D
 Acq: 28 Jun 2022 19:30

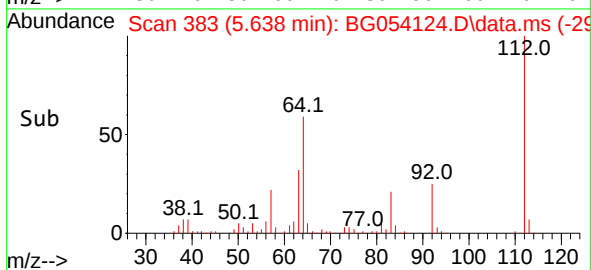
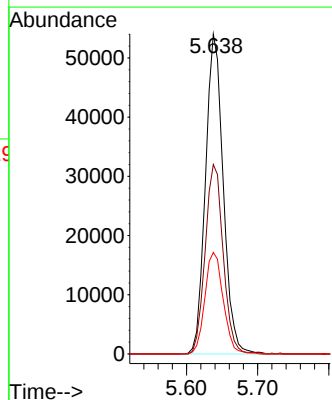
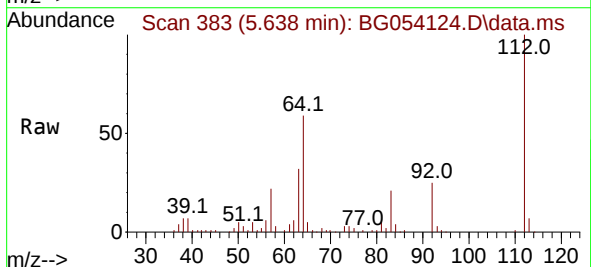
Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion:152 Resp: 25081
 Ion Ratio Lower Upper
 152 100
 150 154.2 131.6 197.4
 115 57.6 50.9 76.3



#5
 2-Fluorophenol
 Concen: 71.627 ng
 RT: 5.638 min Scan# 383
 Delta R.T. -0.000 min
 Lab File: BG054124.D
 Acq: 28 Jun 2022 19:30

Tgt Ion:112 Resp: 93963
 Ion Ratio Lower Upper
 112 100
 64 59.2 55.1 82.7
 63 31.8 30.4 45.6

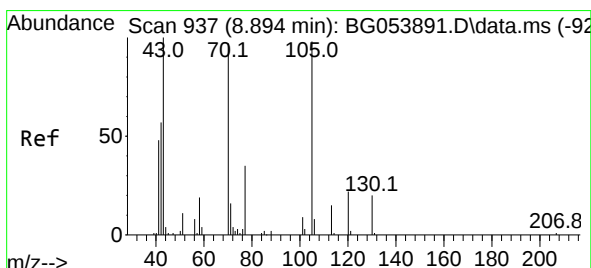
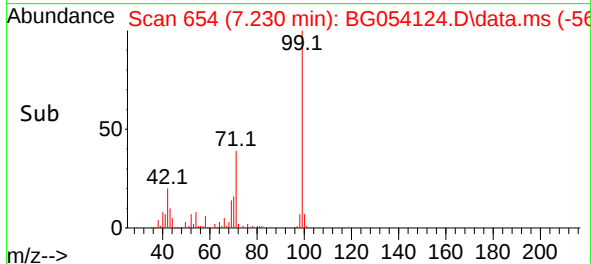
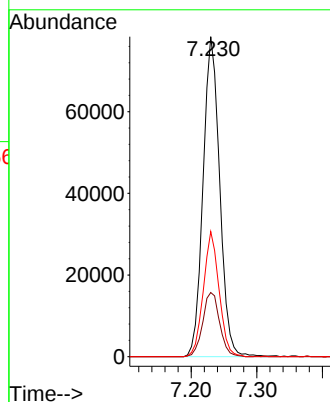
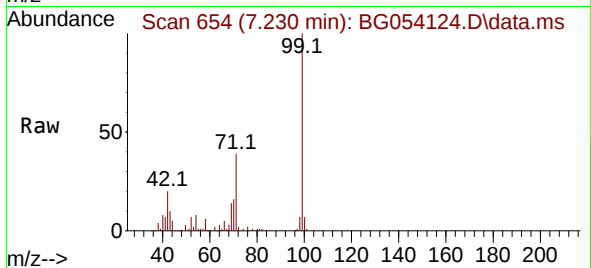




#7
Phenol-d6
Concen: 77.805 ng
RT: 7.230 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

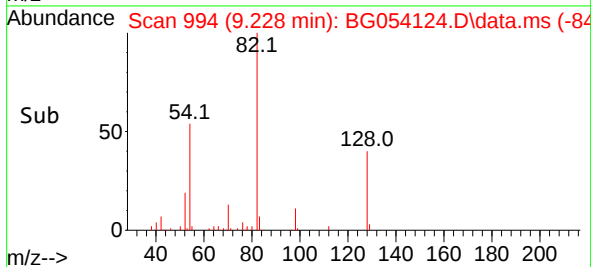
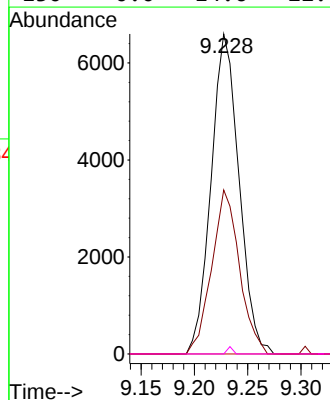
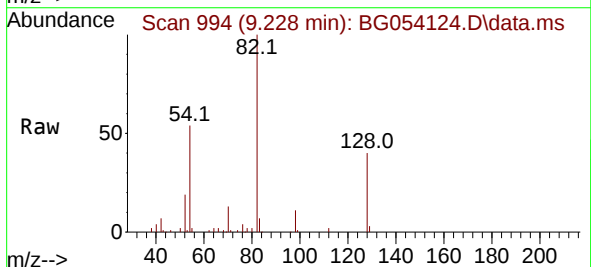
Instrument :
BNA_G
ClientSampleId :

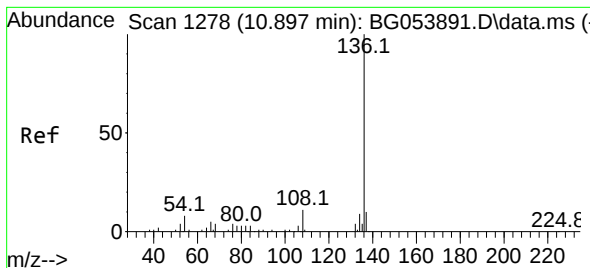
Tgt Ion: 99 Resp: 138462
Ion Ratio Lower Upper
99 100
42 20.0 17.0 25.6
71 39.1 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.056 ng
RT: 9.228 min Scan# 994
Delta R.T. 0.352 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

Tgt Ion: 70 Resp: 12023
Ion Ratio Lower Upper
70 100
42 51.2 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

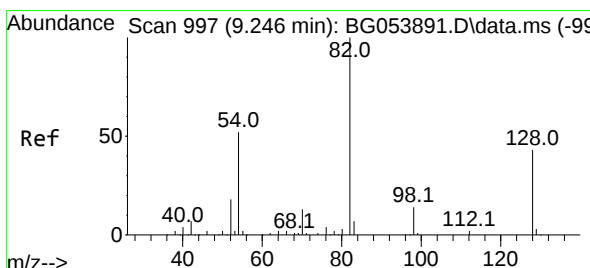
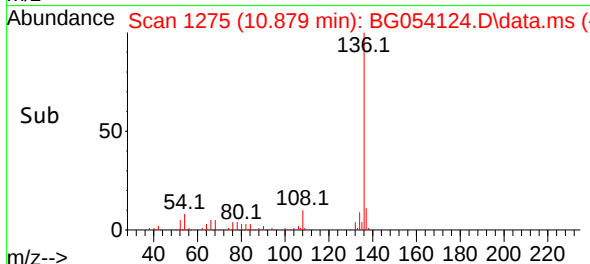
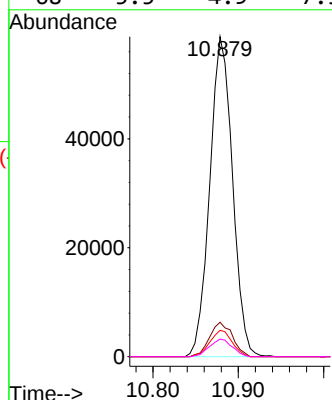
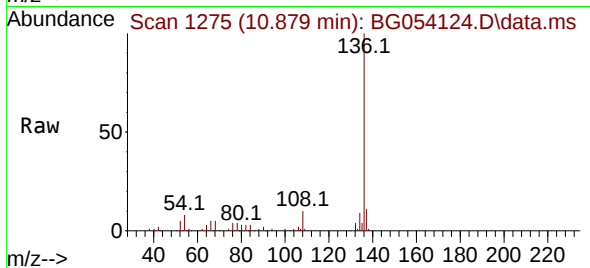




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.879 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

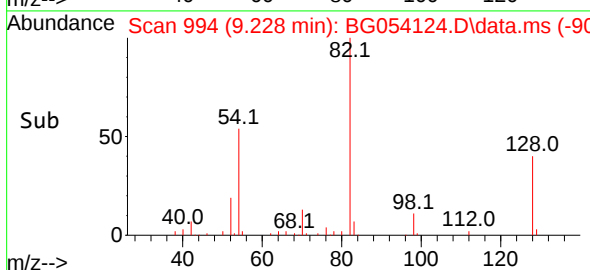
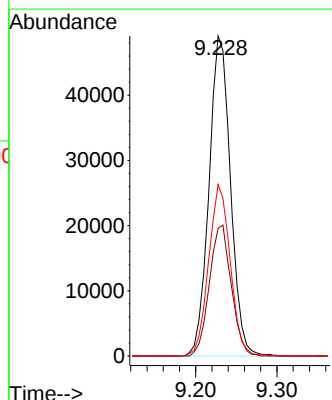
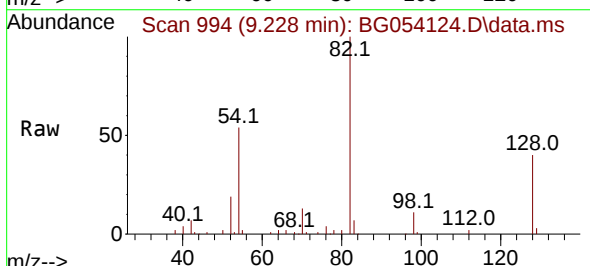
Instrument :
BNA_G
ClientSampleId :

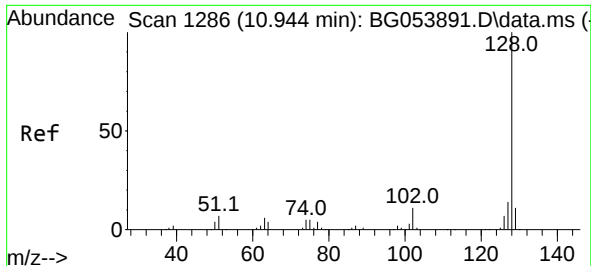
Tgt Ion:	136	Resp:	108854
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	8.3	7.4	11.2
68	5.5	4.9	7.3



#23
Nitrobenzene-d5
Concen: 46.559 ng
RT: 9.228 min Scan# 994
Delta R.T. -0.006 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

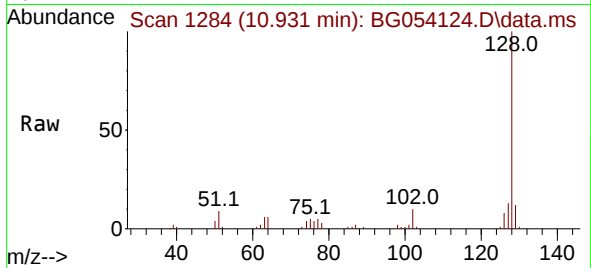
Tgt Ion:	82	Resp:	90187
Ion	Ratio	Lower	Upper
82	100		
128	39.9	27.9	41.9
54	53.6	41.2	61.8



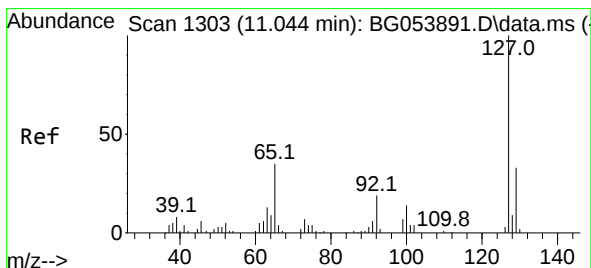
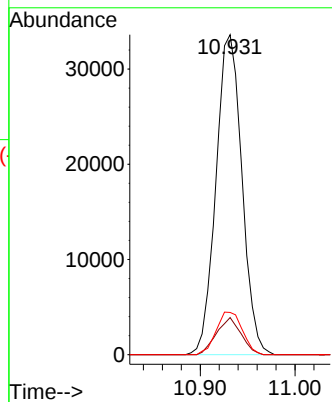
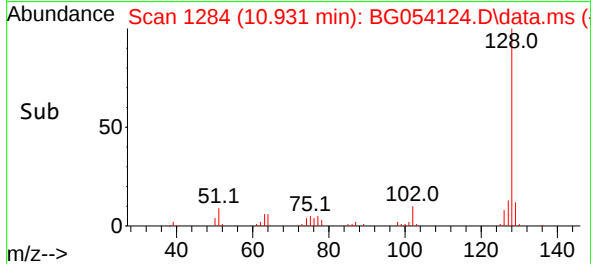


#31
Naphthalene
Concen: 11.629 ng
RT: 10.931 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

Instrument :
BNA_G
ClientSampleId :

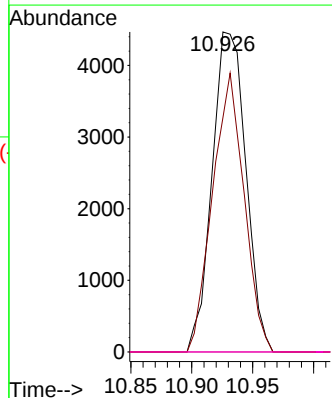
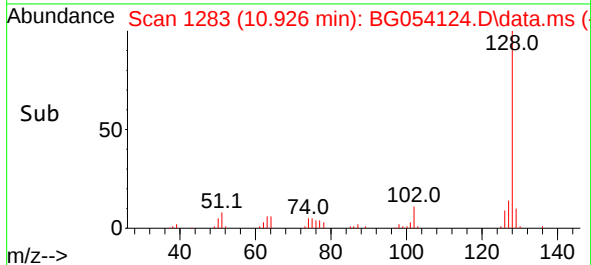
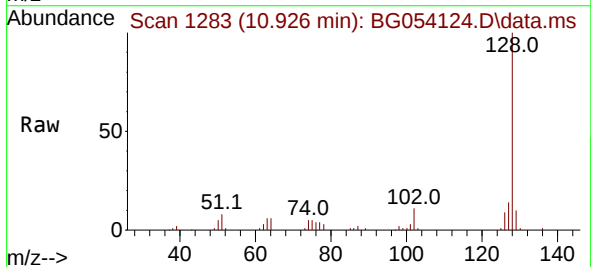


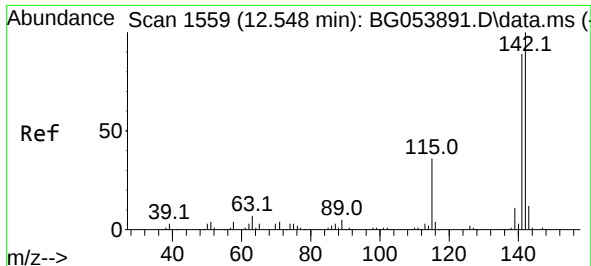
Tgt Ion:128 Resp: 63903
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.6
127 13.2 11.1 16.7



#33
4-Chloroaniline
Concen: 3.781 ng
RT: 10.926 min Scan# 1283
Delta R.T. -0.106 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

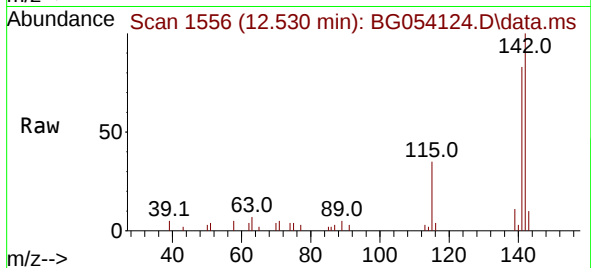
Tgt Ion:127 Resp: 8619
Ion Ratio Lower Upper
127 100
129 73.2 26.3 39.5#
65 0.0 31.1 46.7#
92 0.0 19.1 28.7#



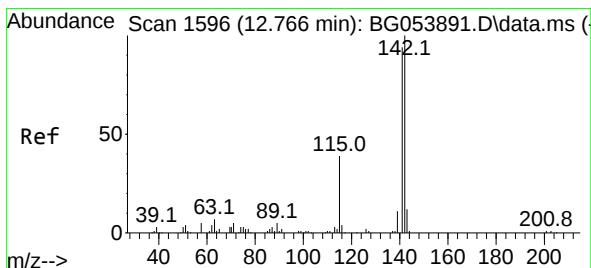
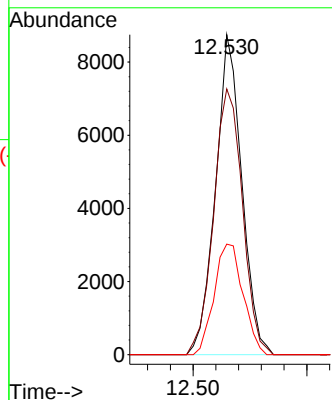
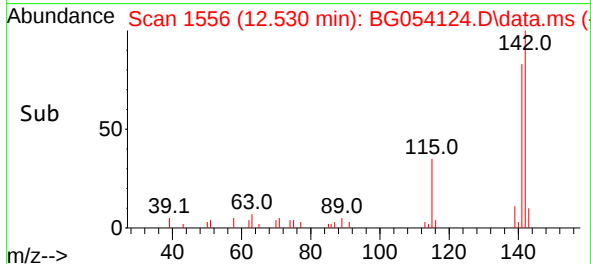


#37
2-Methylnaphthalene
Concen: 3.460 ng
RT: 12.530 min Scan# 1556
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

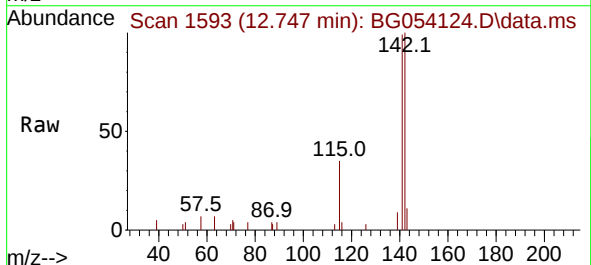
Instrument :
BNA_G
ClientSampleId :



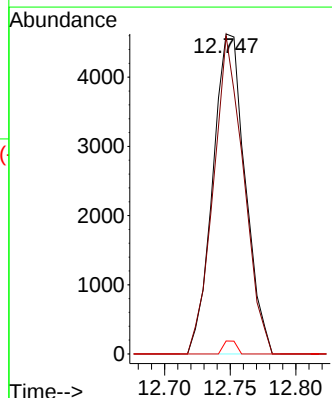
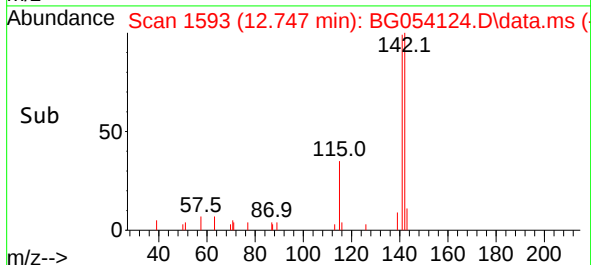
Tgt Ion:142 Resp: 14068
Ion Ratio Lower Upper
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141 83.0 72.3 108.5
115 34.6 33.7 50.5

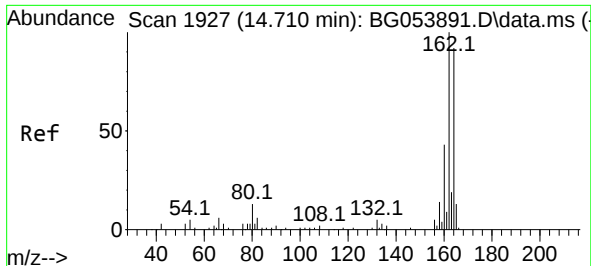


#38
1-Methylnaphthalene
Concen: 2.007 ng
RT: 12.747 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30



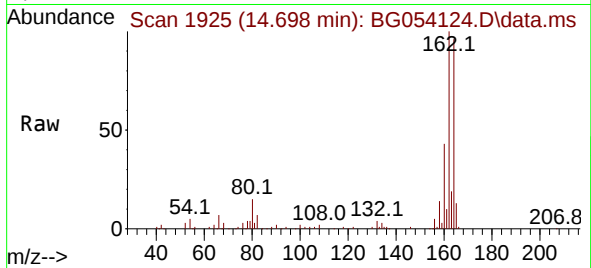
Tgt Ion:142 Resp: 7944
Ion Ratio Lower Upper
142 100
141 99.3 76.4 114.6
116 4.1 3.3 4.9



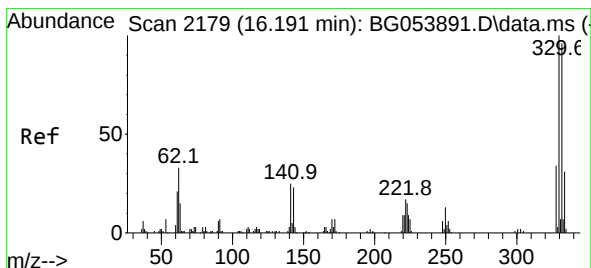
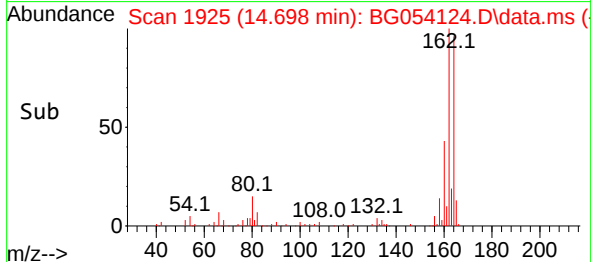
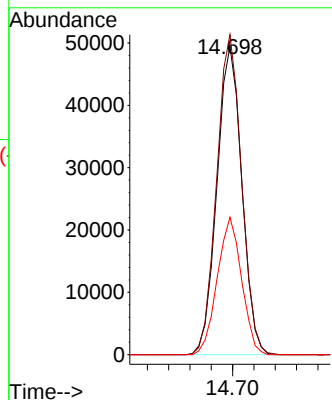


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.698 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

Instrument :
BNA_G
ClientSampleId :

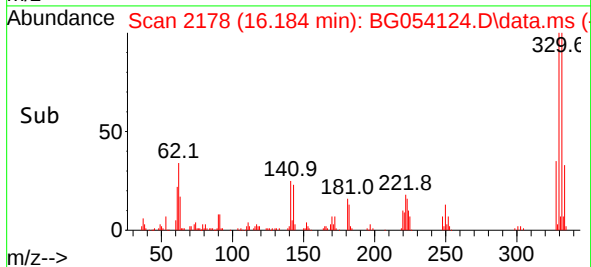
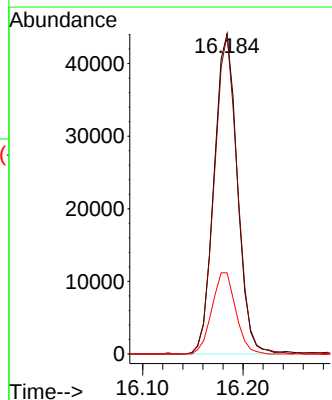
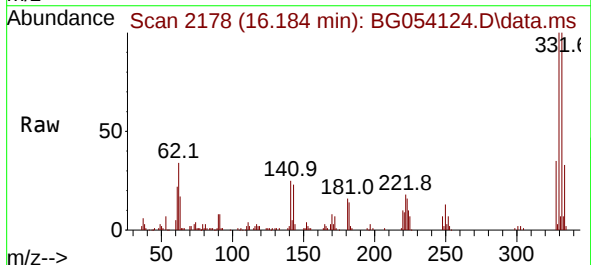


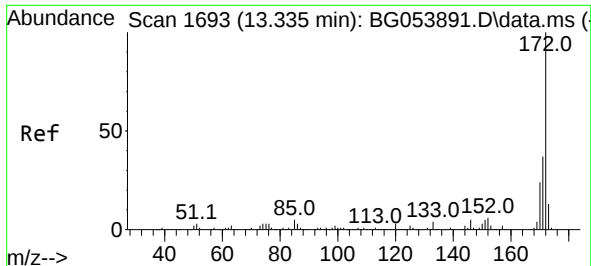
Tgt Ion:164 Resp: 79892
Ion Ratio Lower Upper
164 100
162 103.8 82.3 123.5
160 44.6 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 55.270 ng
RT: 16.184 min Scan# 2178
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

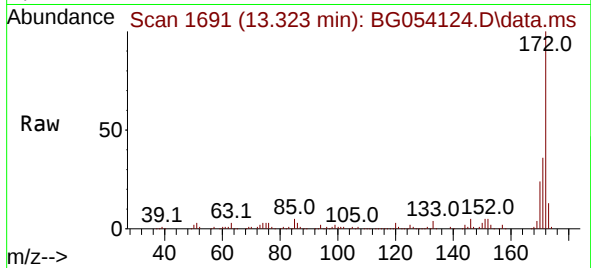
Tgt Ion:330 Resp: 70945
Ion Ratio Lower Upper
330 100
332 98.6 76.0 114.0
141 26.1 27.1 40.7#



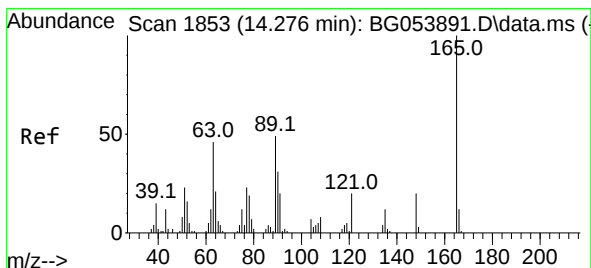
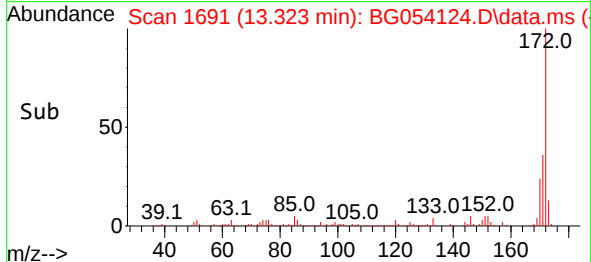
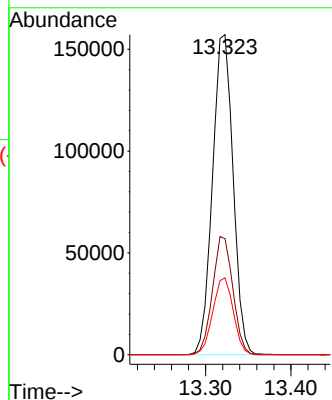


#45
2-Fluorobiphenyl
Concen: 47.950 ng
RT: 13.323 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

Instrument :
BNA_G
ClientSampleId :

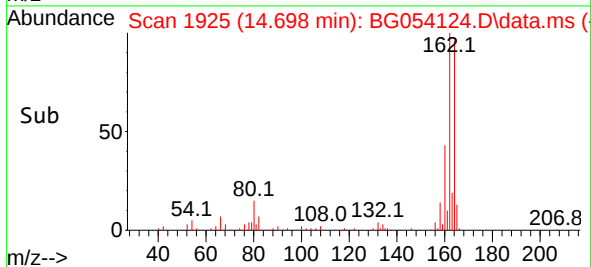
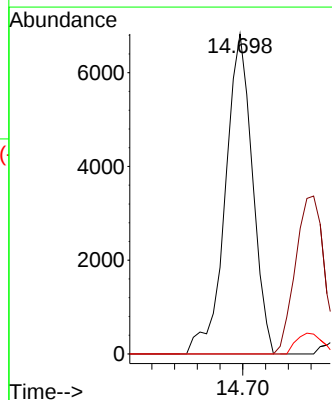
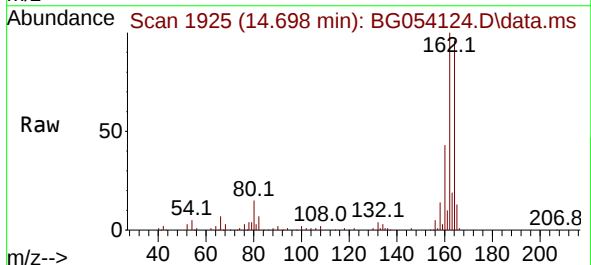


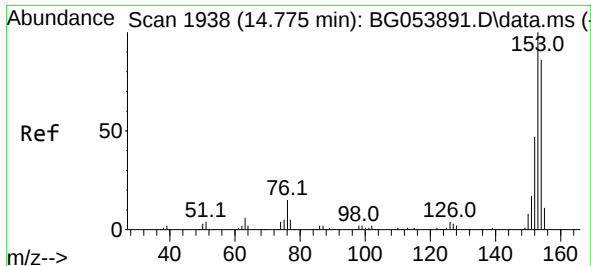
Tgt Ion:172 Resp: 263441
Ion Ratio Lower Upper
172 100
171 36.3 28.5 42.7
170 24.0 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 9.191 ng
RT: 14.698 min Scan# 1925
Delta R.T. 0.434 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

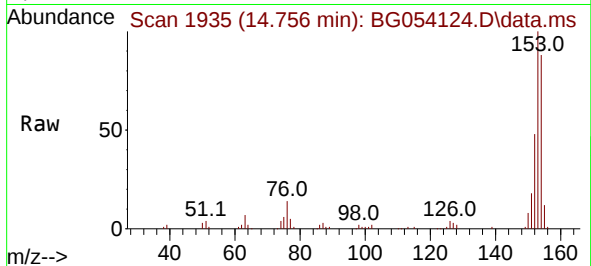
Tgt Ion:165 Resp: 11298
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



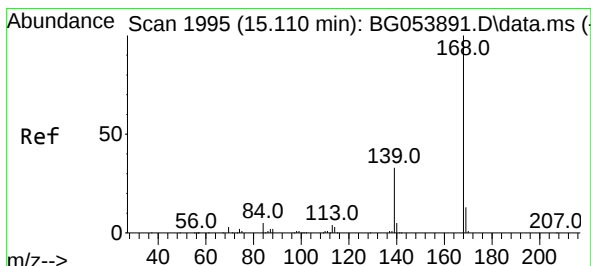
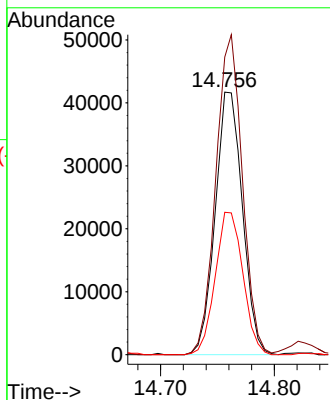
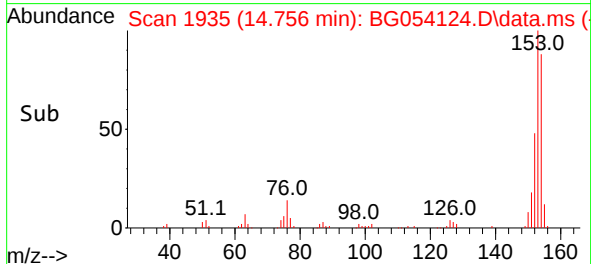


#52
Acenaphthene
Concen: 15.558 ng
RT: 14.756 min Scan# 1935
Delta R.T. -0.006 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

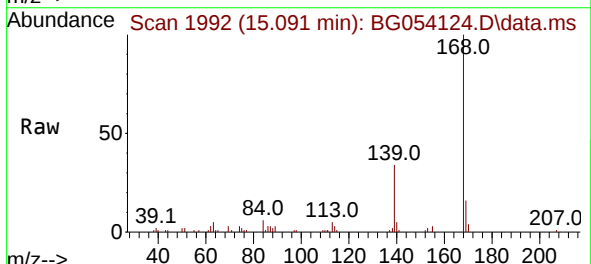
Instrument :
BNA_G
ClientSampleId :



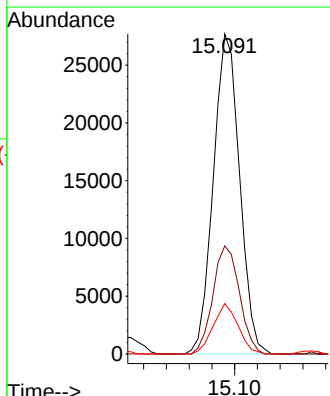
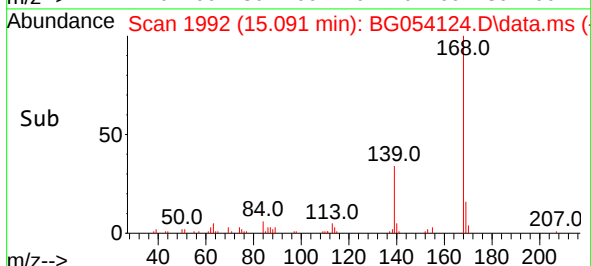
Tgt Ion:154 Resp: 69453
Ion Ratio Lower Upper
154 100
153 113.4 92.7 139.1
152 54.3 42.6 64.0

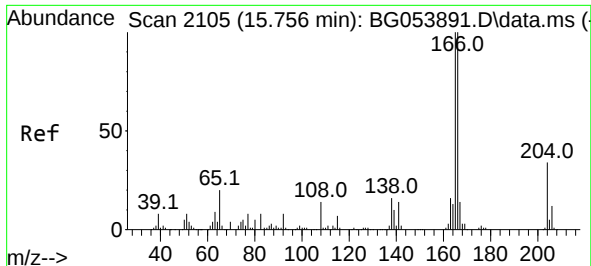


#55
Dibenzofuran
Concen: 6.168 ng
RT: 15.091 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30



Tgt Ion:168 Resp: 44361
Ion Ratio Lower Upper
168 100
139 33.8 30.5 45.7
169 15.8 10.3 15.5#

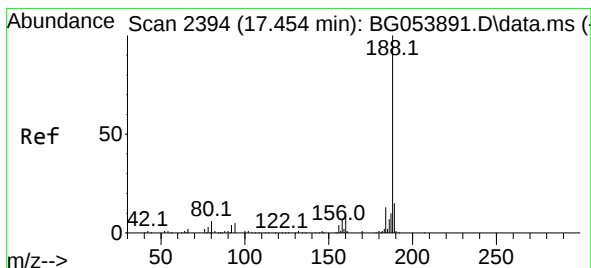
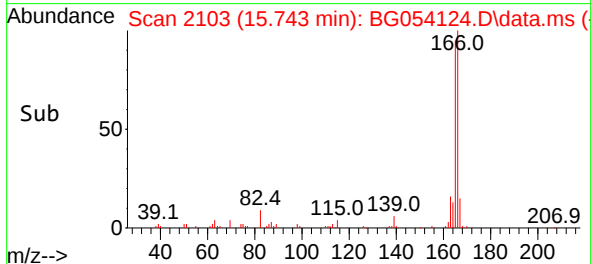
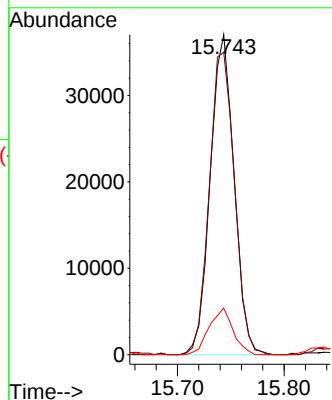
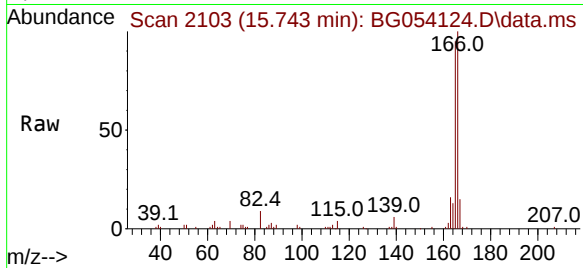




#58
Fluorene
Concen: 9.729 ng
RT: 15.743 min Scan# 2105
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

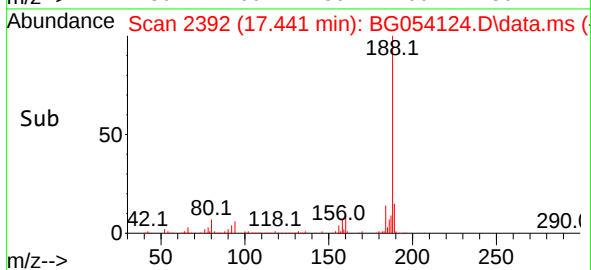
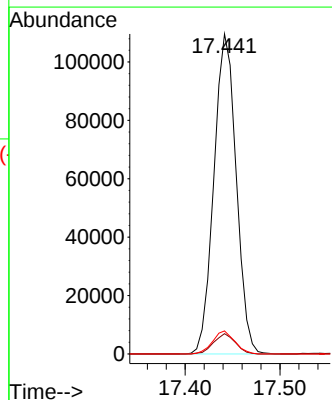
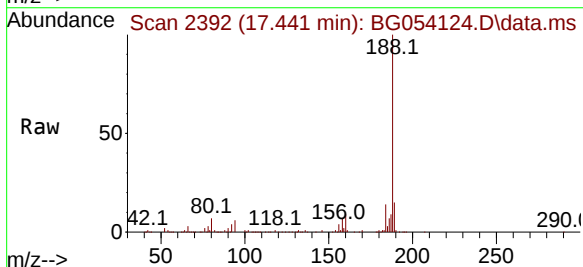
Instrument :
BNA_G
ClientSampleId :

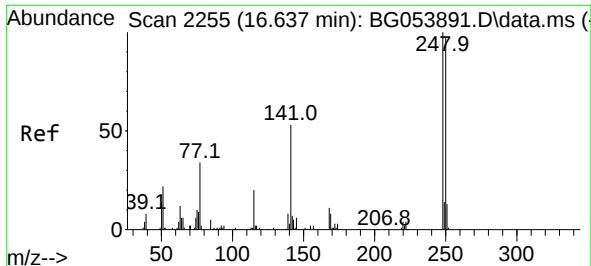
Tgt Ion:166 Resp: 57450
Ion Ratio Lower Upper
166 100
165 94.5 75.0 112.6
167 14.6 10.8 16.2



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.441 min Scan# 2392
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

Tgt Ion:188 Resp: 179298
Ion Ratio Lower Upper
188 100
94 6.3 5.4 8.0
80 7.2 6.8 10.2

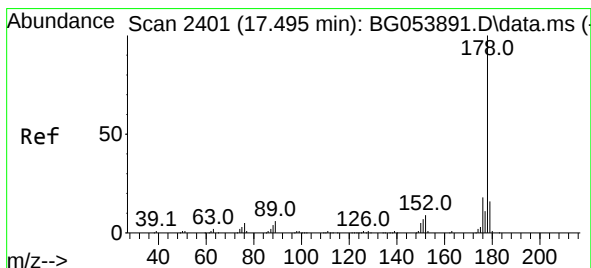
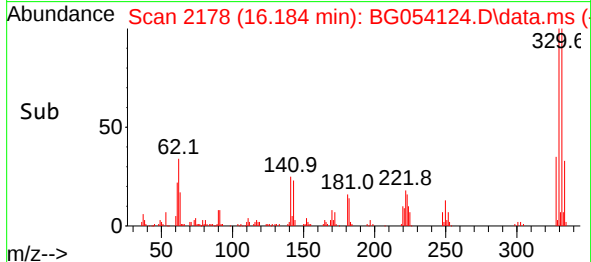
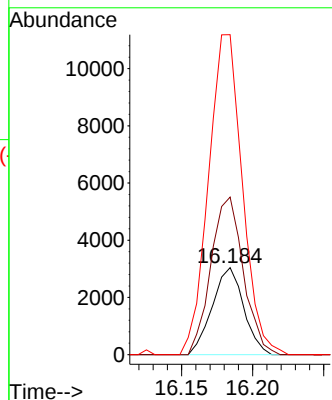
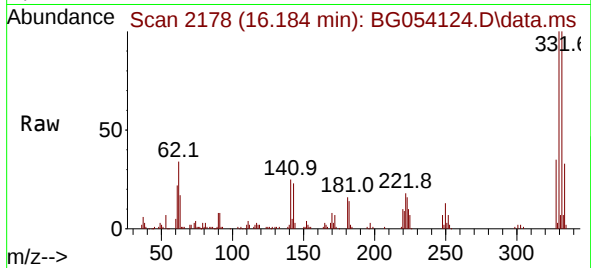




#67
4-Bromophenyl-phenylether
Concen: 2.093 ng
RT: 16.184 min Scan# 2178
Delta R.T. -0.441 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

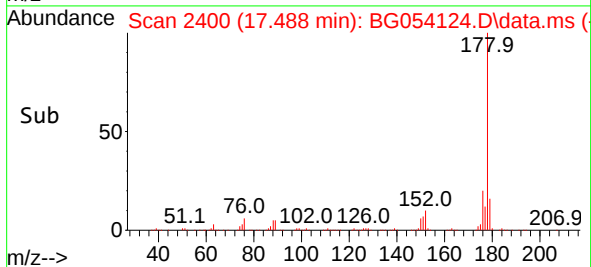
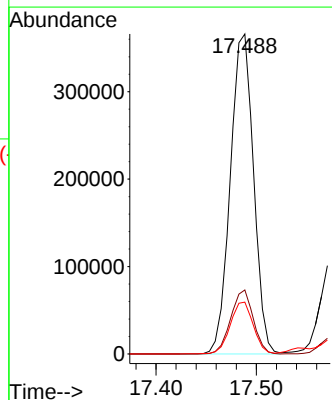
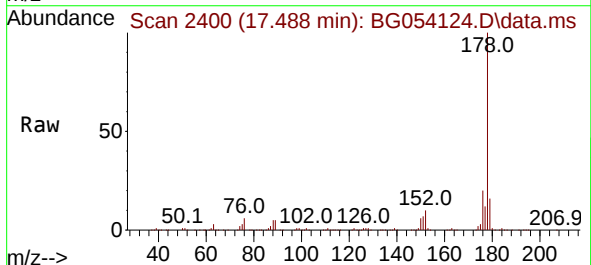
Instrument :
BNA_G
ClientSampleId :

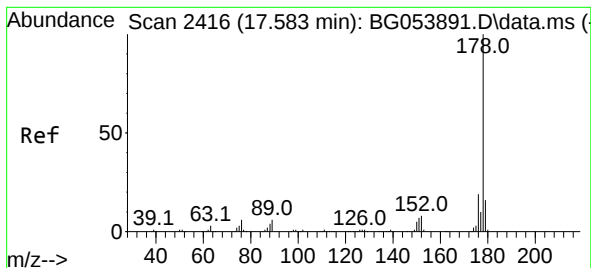
Tgt Ion:248 Resp: 4687
Ion Ratio Lower Upper
248 100
250 176.1 75.2 112.8#
141 283.6 50.0 75.0#



#71
Phenanthrene
Concen: 64.127 ng
RT: 17.488 min Scan# 2400
Delta R.T. 0.006 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

Tgt Ion:178 Resp: 590724
Ion Ratio Lower Upper
178 100
176 20.0 14.1 21.1
179 16.2 12.1 18.1





#72

Anthracene

Concen: 17.721 ng

RT: 17.571 min Scan# 2414

Delta R.T. -0.006 min

Lab File: BG054124.D

Acq: 28 Jun 2022 19:30

Instrument :

BNA_G

ClientSampleId :

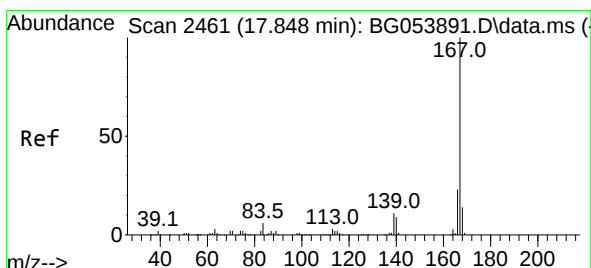
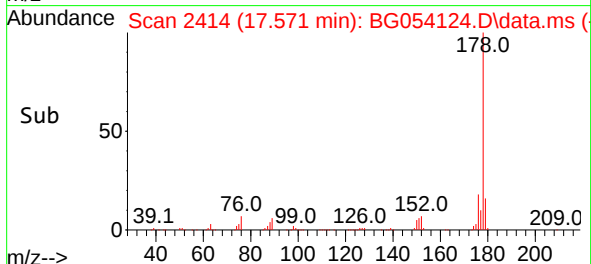
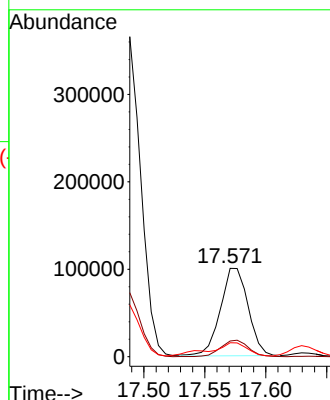
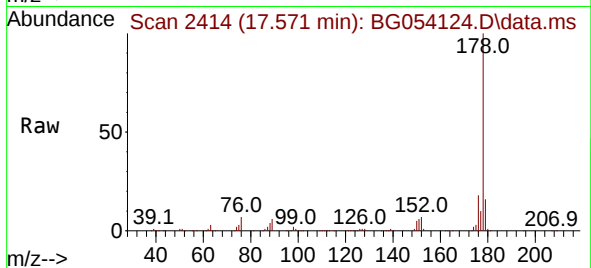
Tgt Ion:178 Resp: 159406

Ion Ratio Lower Upper

178 100

176 17.8 15.2 22.8

179 15.7 13.0 19.4



#73

Carbazole

Concen: 10.077 ng

RT: 17.841 min Scan# 2460

Delta R.T. -0.000 min

Lab File: BG054124.D

Acq: 28 Jun 2022 19:30

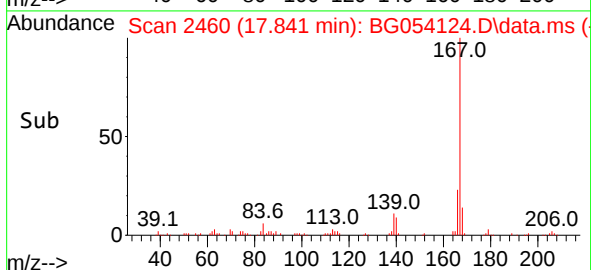
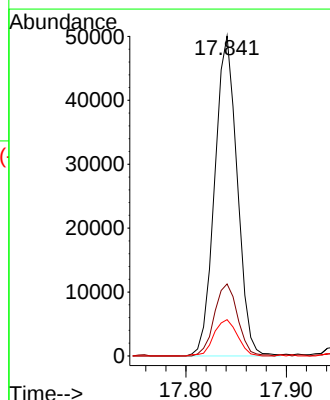
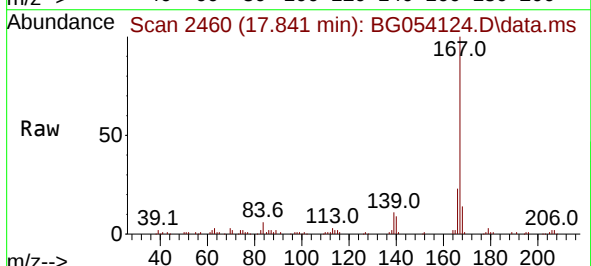
Tgt Ion:167 Resp: 77806

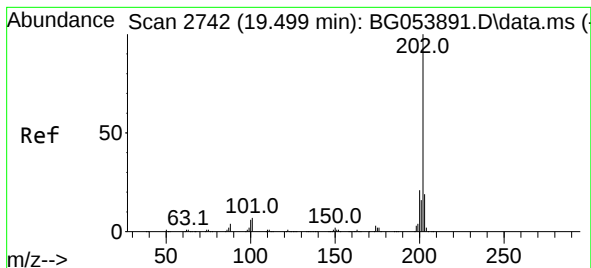
Ion Ratio Lower Upper

167 100

166 22.5 18.2 27.2

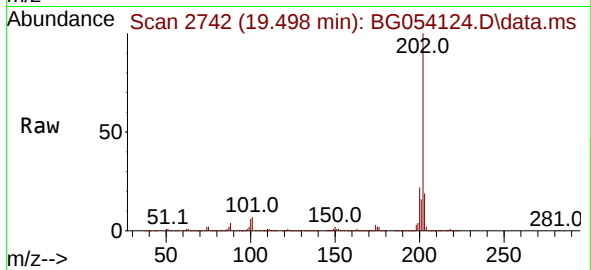
139 11.3 10.1 15.1



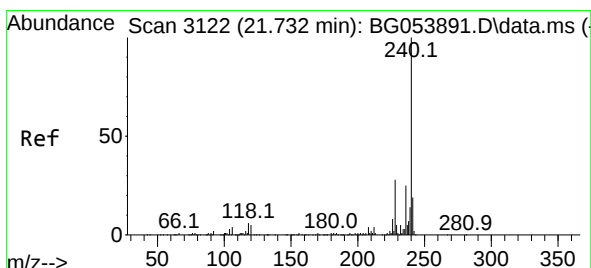
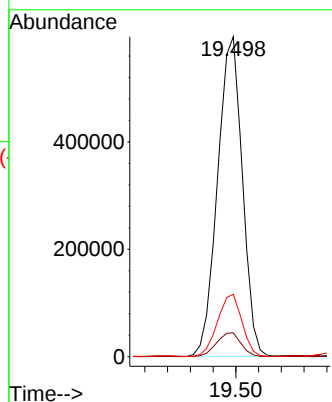
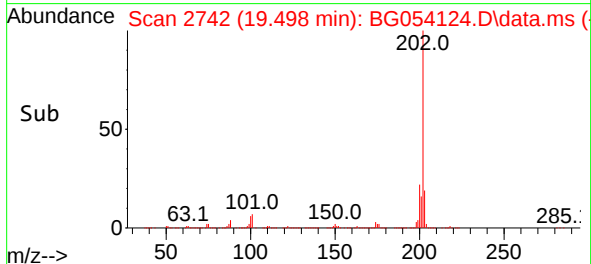


#75
Fluoranthene
Concen: 74.587 ng
RT: 19.498 min Scan# 21
Delta R.T. 0.006 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

Instrument :
BNA_G
ClientSampleId :

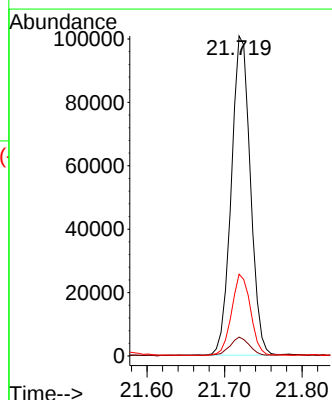
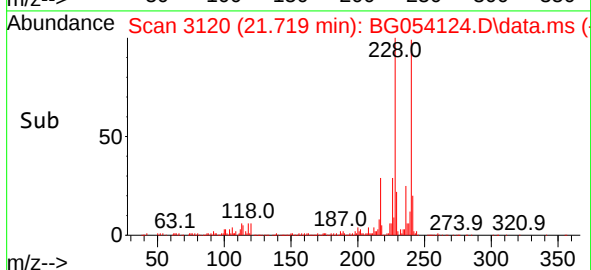
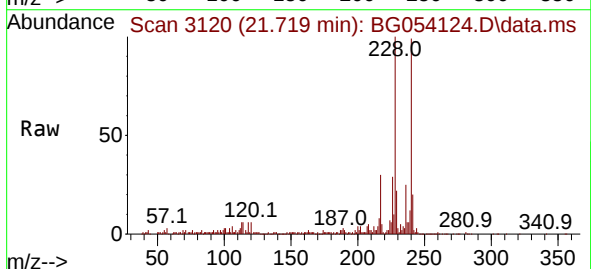


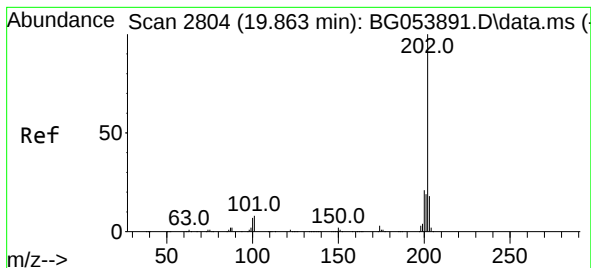
Tgt Ion:202 Resp: 901960
Ion Ratio Lower Upper
202 100
101 7.4 0.0 26.9
203 19.5 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.719 min Scan# 3120
Delta R.T. -0.000 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

Tgt Ion:240 Resp: 172171
Ion Ratio Lower Upper
240 100
120 5.9 4.6 7.0
236 25.6 20.2 30.4





#78

Pyrene

Concen: 77.766 ng

RT: 19.856 min Scan# 2803

Delta R.T. 0.006 min

Lab File: BG054124.D

Acq: 28 Jun 2022 19:30

Instrument :

BNA_G

ClientSampleId :

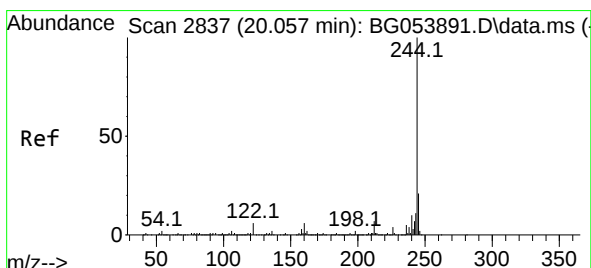
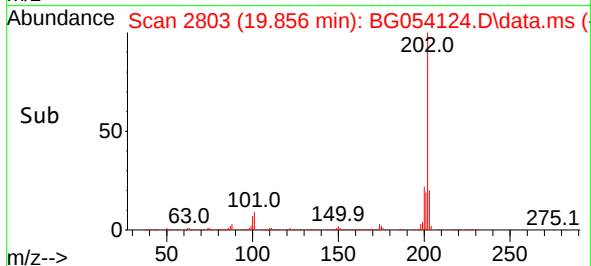
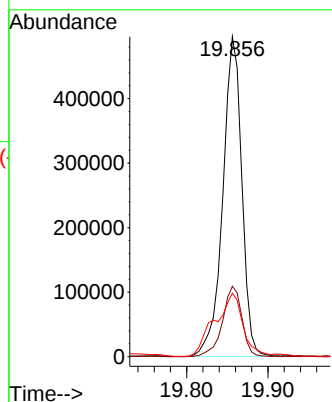
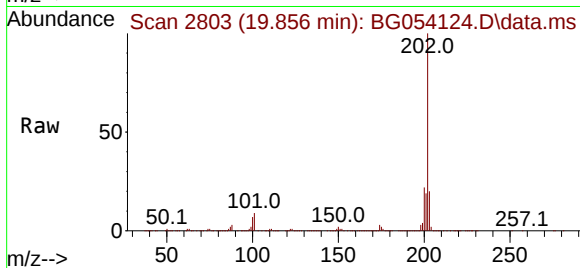
Tgt Ion:202 Resp: 808666

Ion Ratio Lower Upper

202 100

200 22.0 16.6 24.8

203 19.9 14.6 21.8



#79

Terphenyl-d14

Concen: 51.431 ng

RT: 20.050 min Scan# 2836

Delta R.T. 0.006 min

Lab File: BG054124.D

Acq: 28 Jun 2022 19:30

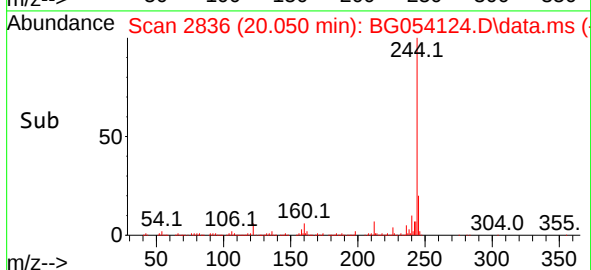
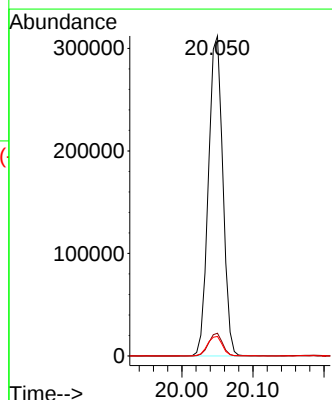
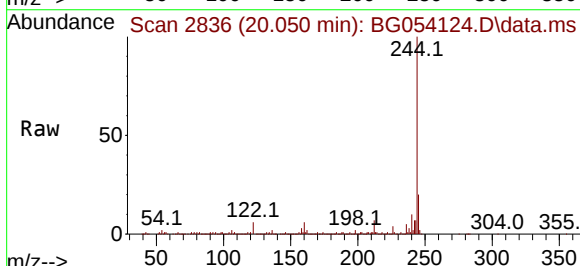
Tgt Ion:244 Resp: 439647

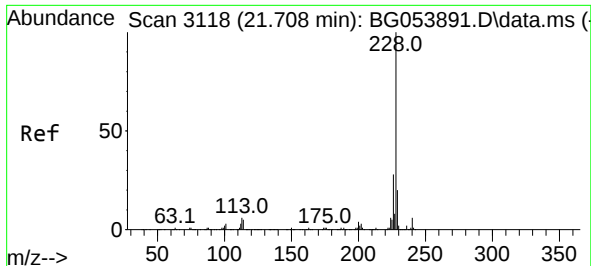
Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

122 6.1 5.0 7.4

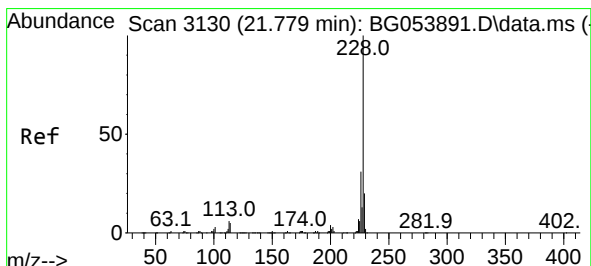
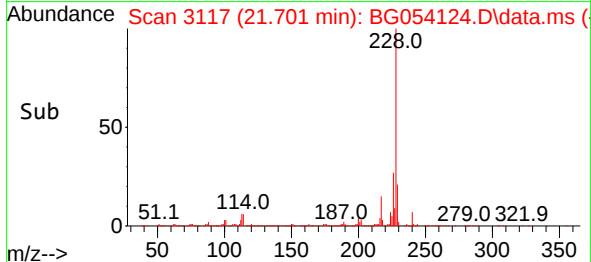
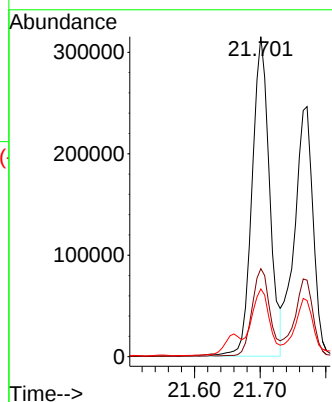
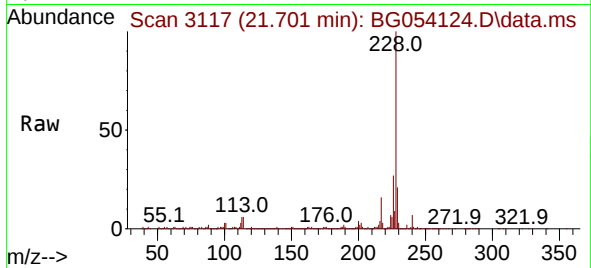




#81
Benzo(a)anthracene
Concen: 52.312 ng
RT: 21.701 min Scan# 3118
Delta R.T. 0.006 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

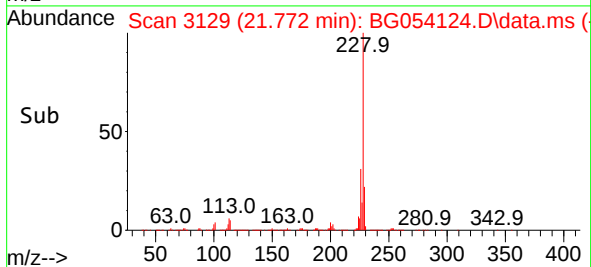
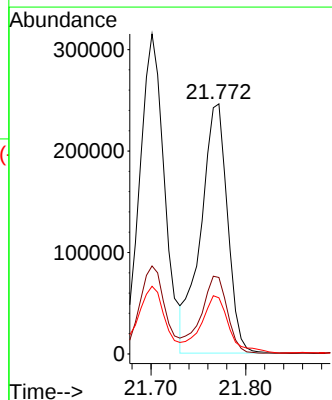
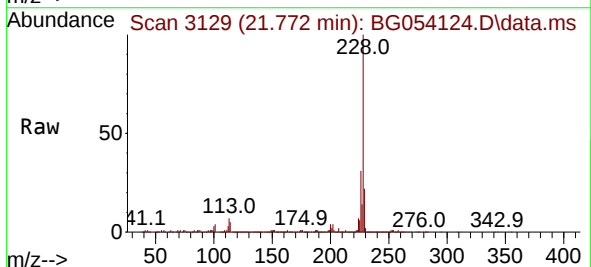
Instrument :
BNA_G
ClientSampleId :

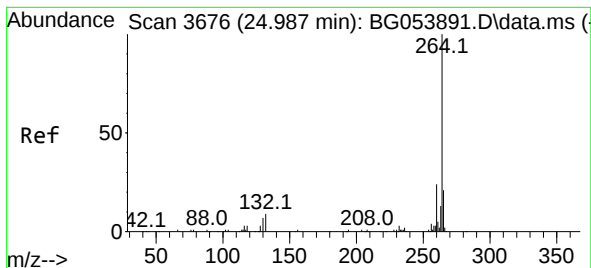
Tgt Ion:228 Resp: 583161
Ion Ratio Lower Upper
228 100
226 27.5 21.6 32.4
229 21.2 16.2 24.2



#83
Chrysene
Concen: 45.299 ng
RT: 21.772 min Scan# 3129
Delta R.T. 0.011 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

Tgt Ion:228 Resp: 481354
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.2
229 22.5 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.980 min Scan# 3

Delta R.T. 0.017 min

Lab File: BG054124.D

Acq: 28 Jun 2022 19:30

Instrument :

BNA_G

ClientSampleId :

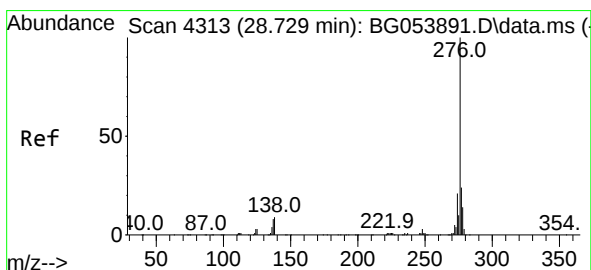
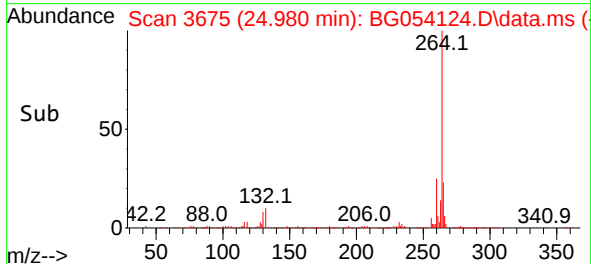
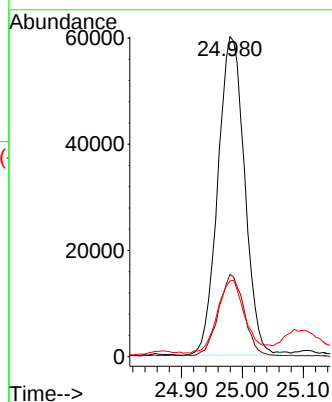
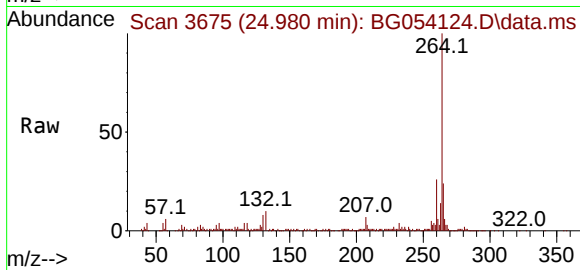
Tgt Ion:264 Resp: 182411

Ion Ratio Lower Upper

264 100

260 25.7 19.0 28.6

265 23.7 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 24.550 ng

RT: 28.716 min Scan# 4311

Delta R.T. 0.029 min

Lab File: BG054124.D

Acq: 28 Jun 2022 19:30

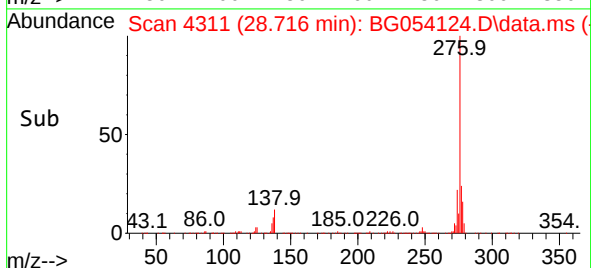
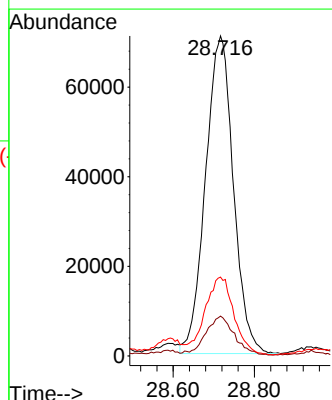
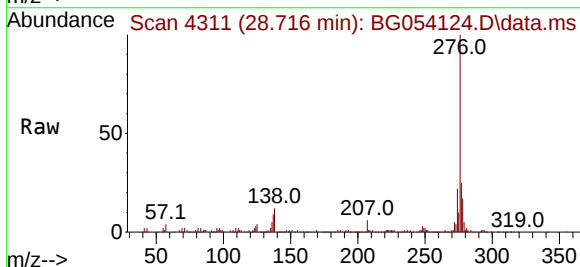
Tgt Ion:276 Resp: 337945

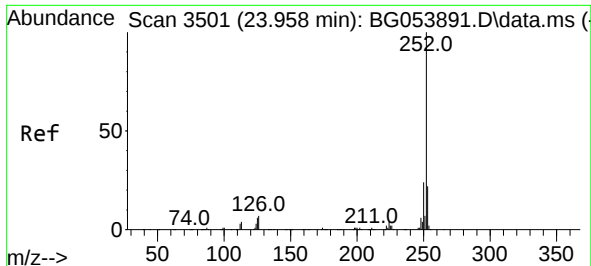
Ion Ratio Lower Upper

276 100

138 12.6 5.0 7.4#

277 25.4 20.3 30.5

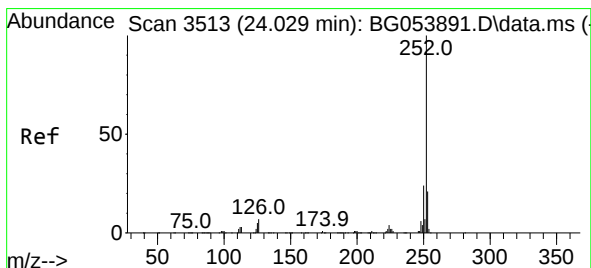
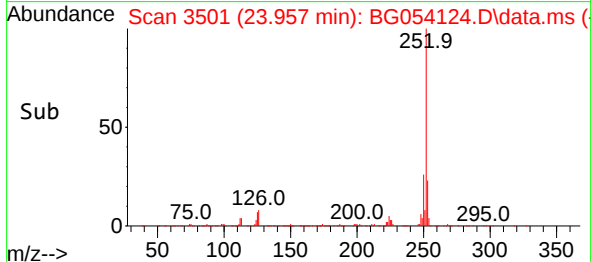
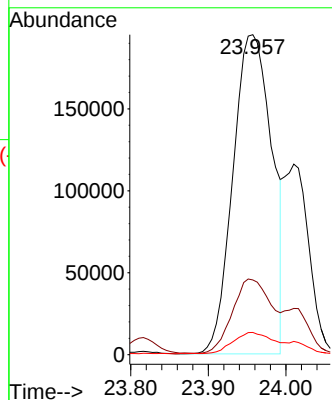
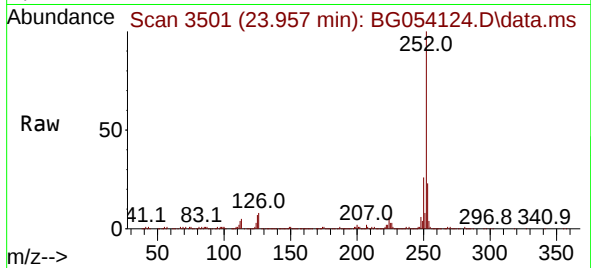




#88
Benzo(b)fluoranthene
Concen: 61.445 ng
RT: 23.957 min Scan# 3501
Delta R.T. 0.023 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

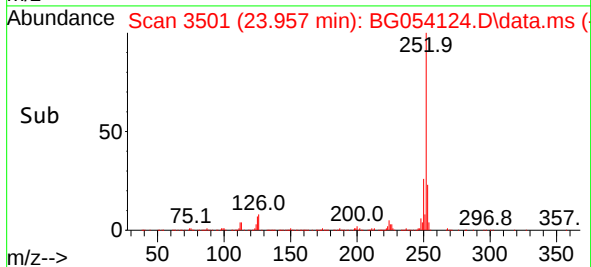
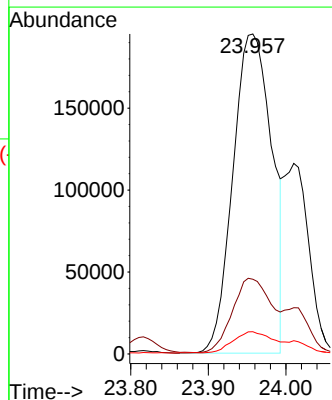
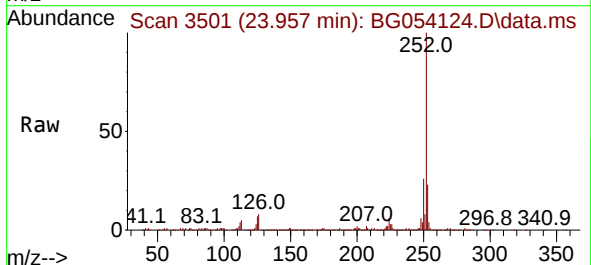
Instrument :
BNA_G
ClientSampleId :

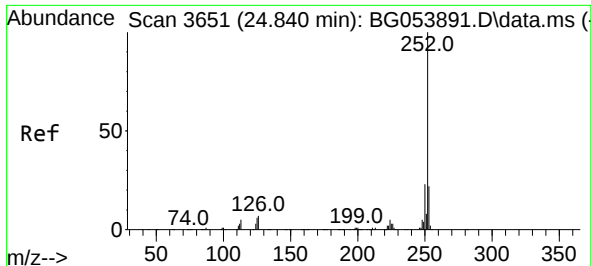
Tgt Ion:252 Resp: 681494
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 7.0 4.6 6.8#



#89
Benzo(k)fluoranthene
Concen: 62.060 ng
RT: 23.957 min Scan# 3501
Delta R.T. -0.047 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

Tgt Ion:252 Resp: 681494
Ion Ratio Lower Upper
252 100
253 23.4 18.4 27.6
125 7.0 4.8 7.2

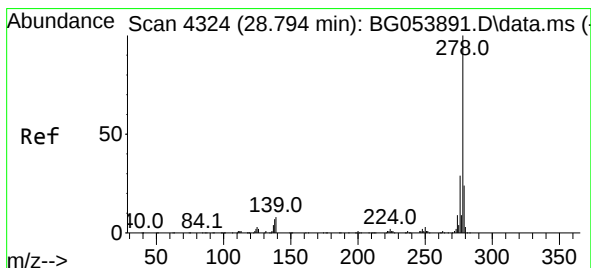
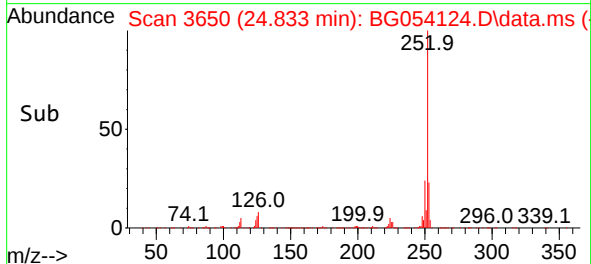
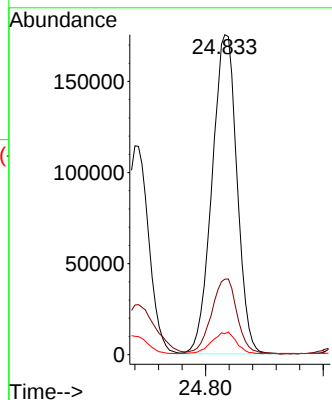
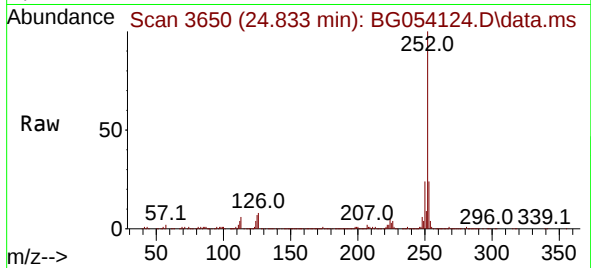




#90
Benzo(a)pyrene
Concen: 55.129 ng
RT: 24.833 min Scan# 30
Delta R.T. 0.017 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

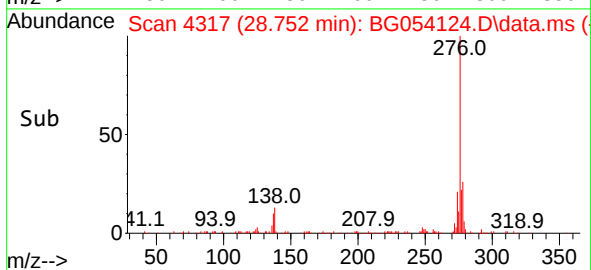
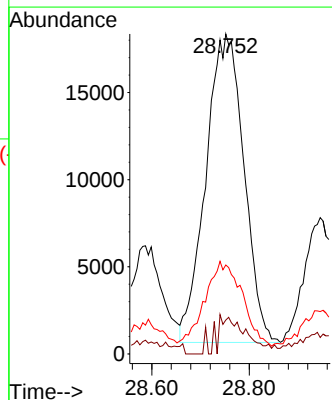
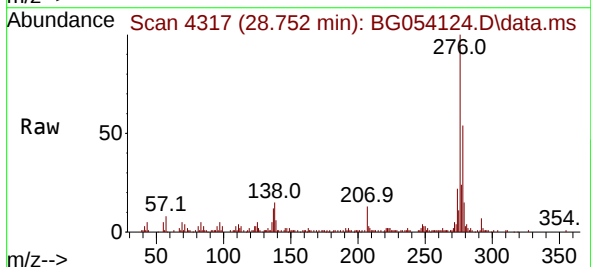
Instrument :
BNA_G
ClientSampleId :

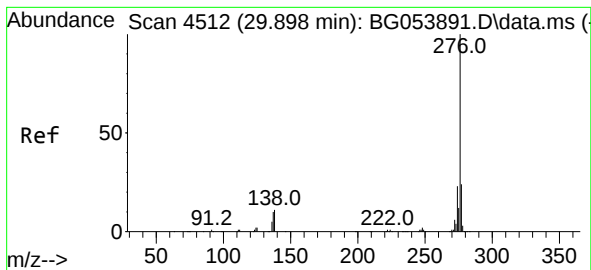
Tgt Ion:252 Resp: 515886
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.8
125 6.6 4.3 6.5#



#91
Dibenzo(a,h)anthracene
Concen: 8.422 ng
RT: 28.752 min Scan# 4317
Delta R.T. 0.006 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

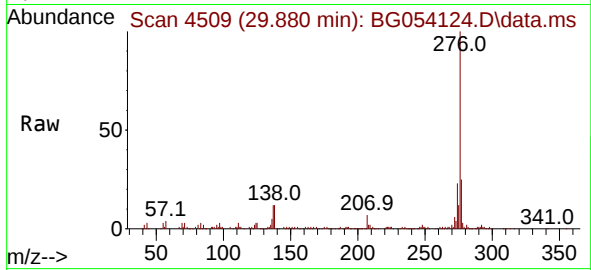
Tgt Ion:278 Resp: 95863
Ion Ratio Lower Upper
278 100
139 10.6 7.2 10.8
279 27.8 18.6 27.8





#92
Benzo(g,h,i)perylene
Concen: 27.833 ng
RT: 29.880 min Scan# 4
Delta R.T. 0.017 min
Lab File: BG054124.D
Acq: 28 Jun 2022 19:30

Instrument :
BNA_G
ClientSampleId :



Tgt Ion:276 Resp: 312659
Ion Ratio Lower Upper
276 100
277 24.9 17.3 25.9
138 11.8 9.6 14.4

