

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG041924\
 Data File : BG060967.D
 Acq On : 19 Apr 2024 20:20
 Operator : MA/JU
 Sample : P2195-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 19 22:44:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG041724.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 02:02:19 2024
 Response via : Initial Calibration

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

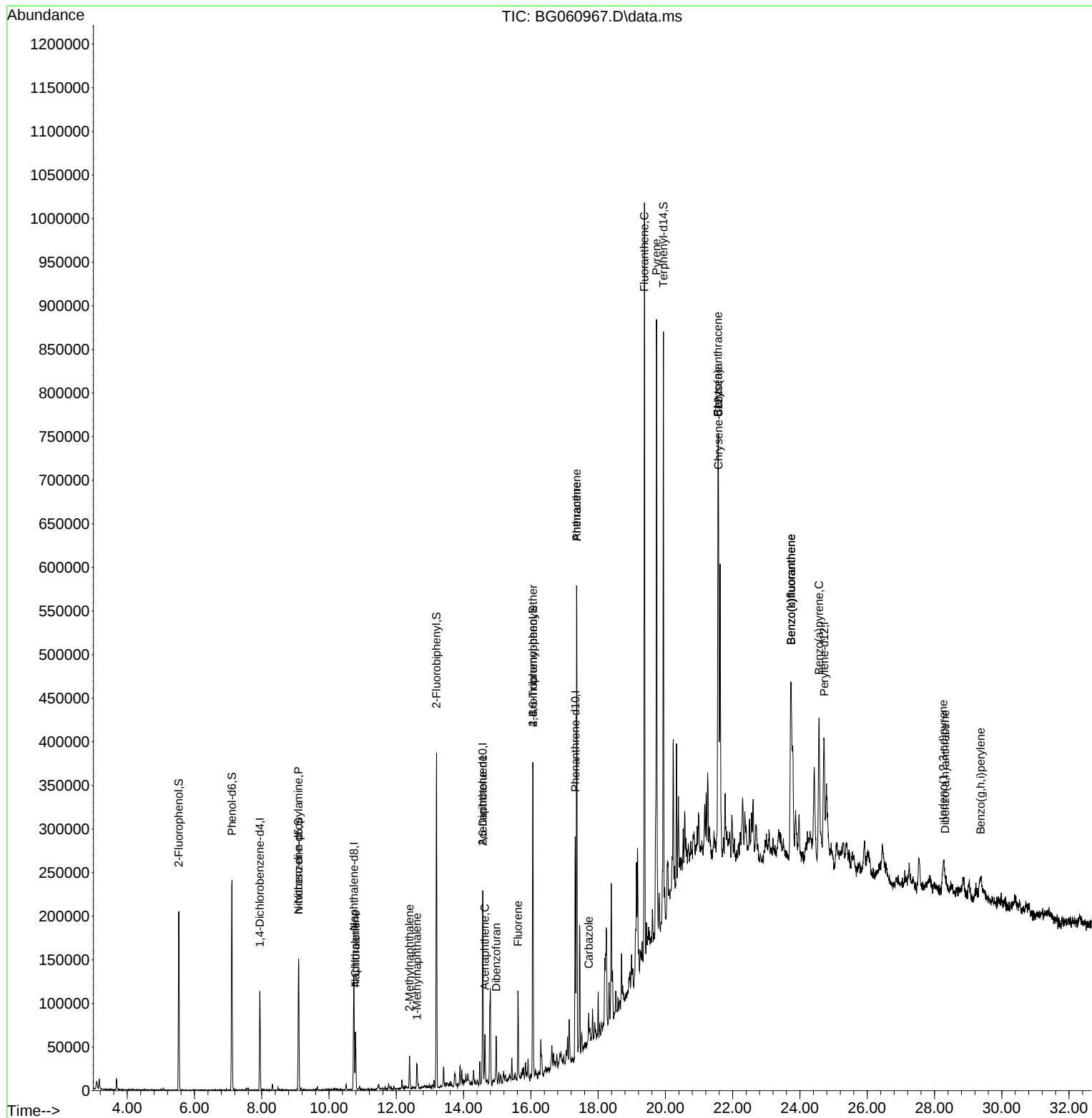
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.943	152	28832	20.000	ng	0.00
21) Naphthalene-d8	10.739	136	101507	20.000	ng	# 0.00
39) Acenaphthene-d10	14.570	164	75338	20.000	ng	0.00
64) Phenanthrene-d10	17.320	188	166775	20.000	ng	# 0.00
76) Chrysene-d12	21.580	240	164036	20.000	ng	# 0.00
86) Perylene-d12	24.717	264	177442	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	75033	45.203	ng	0.00
7) Phenol-d6	7.114	99	106129	44.383	ng	0.00
23) Nitrobenzene-d5	9.094	82	76829	34.361	ng	0.00
42) 2,4,6-Tribromophenol	16.063	330	74356	59.742	ng	0.00
45) 2-Fluorobiphenyl	13.195	172	190711	37.147	ng	0.00
79) Terphenyl-d14	19.940	244	324445	34.519	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.094	70	11758	6.455	ng	# 77
31) Naphthalene	10.786	128	48502	8.835	ng	98
33) 4-Chloroaniline	10.786	127	6380	2.480	ng	# 30
37) 2-Methylnaphthalene	12.396	142	16496	3.972	ng	94
38) 1-Methylnaphthalene	12.614	142	12549	3.201	ng	# 100
51) 2,6-Dinitrotoluene	14.570	165	11353	9.317	ng	# 21
52) Acenaphthene	14.635	154	18701	4.651	ng	84
55) Dibenzofuran	14.970	168	25887	3.811	ng	# 93
58) Fluorene	15.616	166	42663	7.573	ng	94
67) 4-Bromophenyl-phenylether	16.063	248	4542	2.431	ng	# 1
71) Phenanthrene	17.361	178	338575	40.108	ng	97
72) Anthracene	17.361	178	338575	39.046	ng	96
73) Carbazole	17.719	167	22216	2.941	ng	# 93
75) Fluoranthene	19.376	202	541330	50.381	ng	95
78) Pyrene	19.735	202	493485	43.855	ng	98
81) Benzo(a)anthracene	21.562	228	278197	24.017	ng	96
83) Chrysene	21.562	228	278197	25.154	ng	97
87) Indeno(1,2,3-cd)pyrene	28.260	276	85422	6.962	ng	# 57
88) Benzo(b)fluoranthene	23.736	252	275209	27.413	ng	# 95
89) Benzo(k)fluoranthene	23.736	252	275209	26.796	ng	# 97
90) Benzo(a)pyrene	24.570	252	218221	22.047	ng	# 93
91) Dibenzo(a,h)anthracene	28.313	278	20250	2.005	ng	# 64
92) Benzo(g,h,i)perylene	29.370	276	65116	6.594	ng	# 84

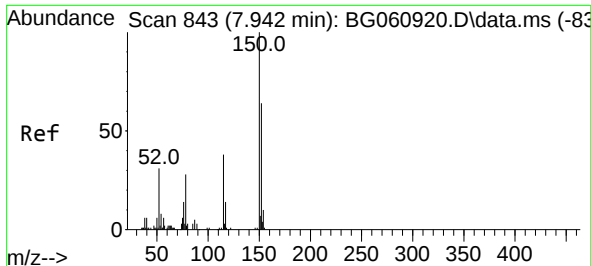
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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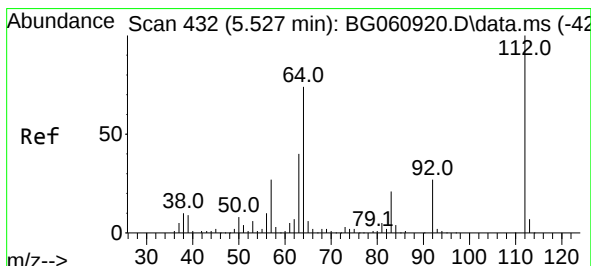
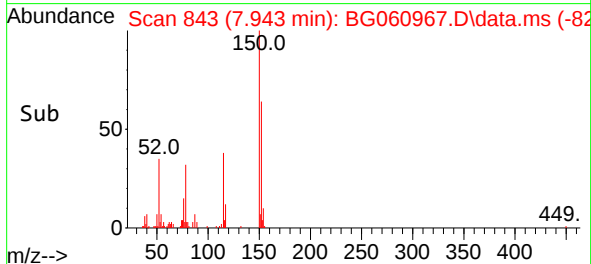
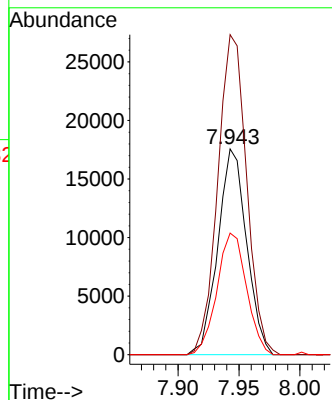
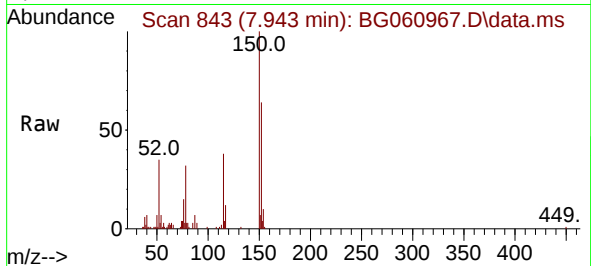




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.943 min Scan# 843
 Delta R.T. 0.001 min
 Lab File: BG060967.D
 Acq: 19 Apr 2024 20:20

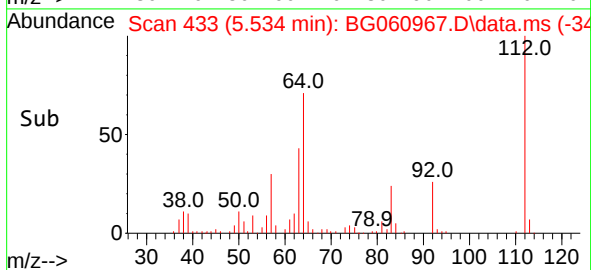
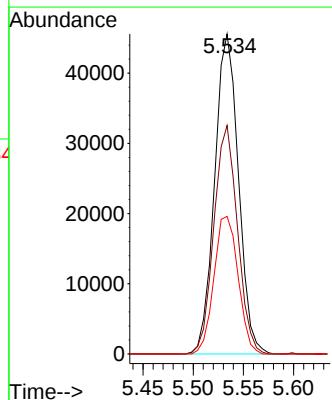
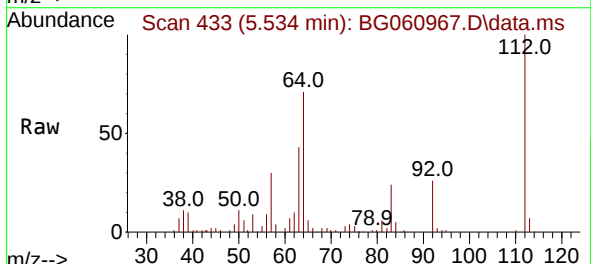
Instrument :
 BNA_G
 ClientSampleId :

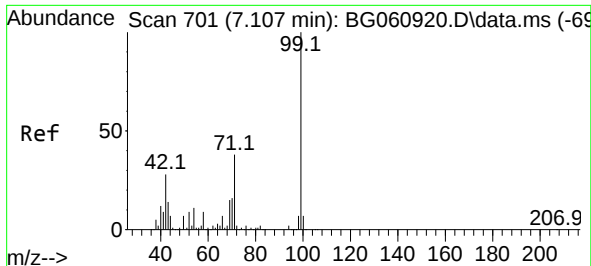
Tgt Ion:152 Resp: 28832
 Ion Ratio Lower Upper
 152 100
 150 155.5 125.6 188.4
 115 59.1 47.1 70.7



#5
 2-Fluorophenol
 Concen: 45.203 ng
 RT: 5.534 min Scan# 433
 Delta R.T. 0.007 min
 Lab File: BG060967.D
 Acq: 19 Apr 2024 20:20

Tgt Ion:112 Resp: 75033
 Ion Ratio Lower Upper
 112 100
 64 71.4 58.9 88.3
 63 43.0 32.1 48.1



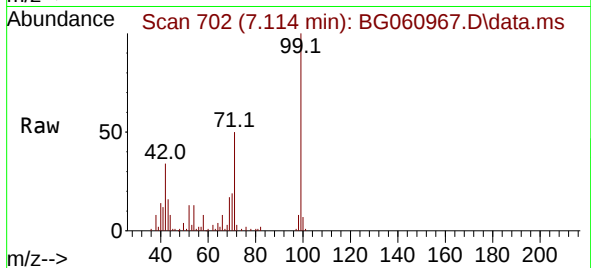


#7
Phenol-d6
Concen: 44.383 ng
RT: 7.114 min Scan# 701
Delta R.T. 0.007 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20

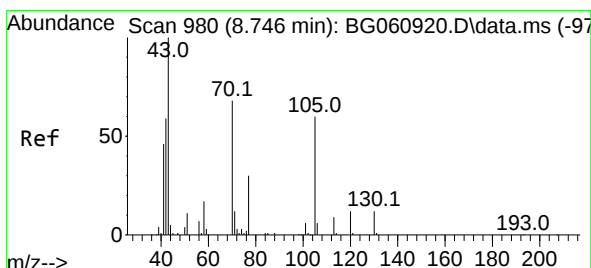
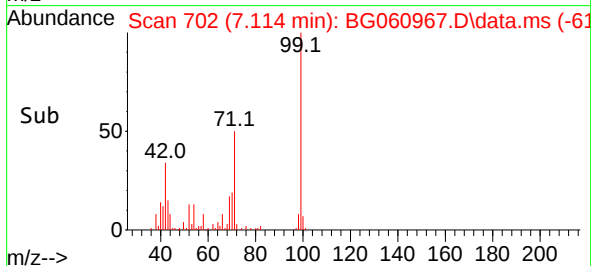
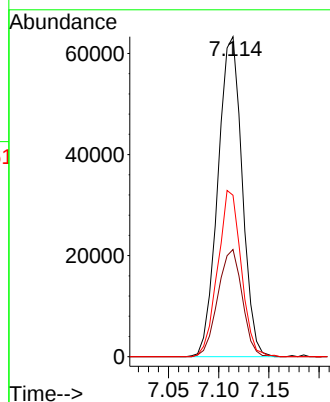
Instrument :

BNA_G

ClientSampleId :

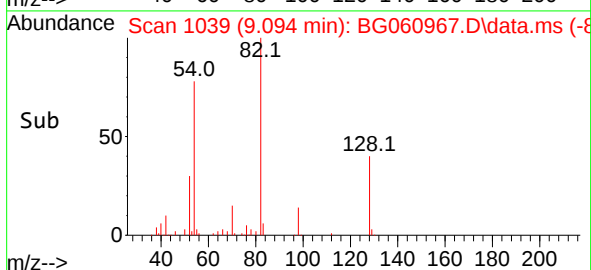
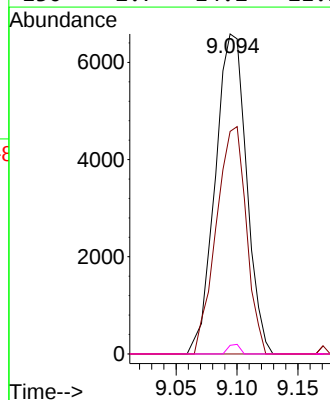
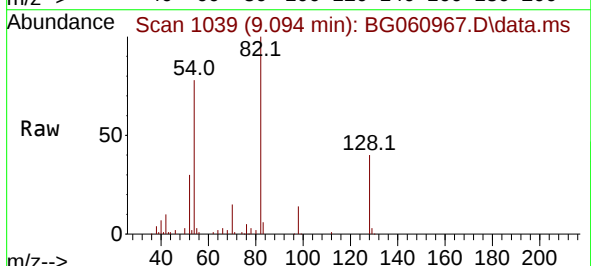


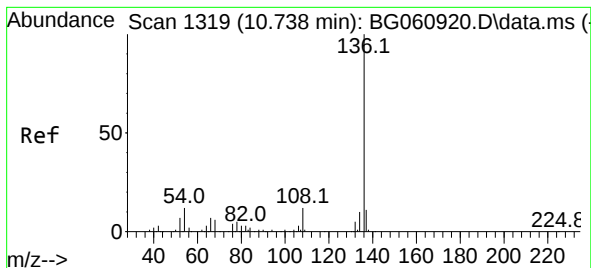
Tgt Ion: 99 Resp: 106129
Ion Ratio Lower Upper
99 100
42 33.5 22.2 33.2#
71 50.5 30.5 45.7#



#19
n-Nitroso-di-n-propylamine
Concen: 6.455 ng
RT: 9.094 min Scan# 1039
Delta R.T. 0.348 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20

Tgt Ion: 70 Resp: 11758
Ion Ratio Lower Upper
70 100
42 69.6 70.9 106.3#
101 0.0 7.0 10.4#
130 2.7 14.2 21.2#

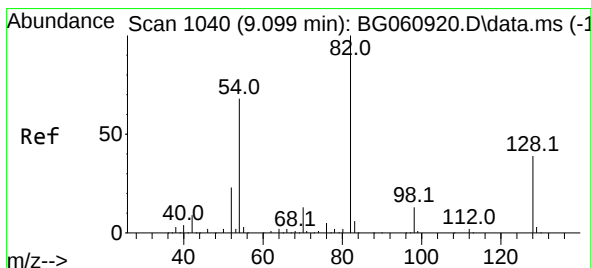
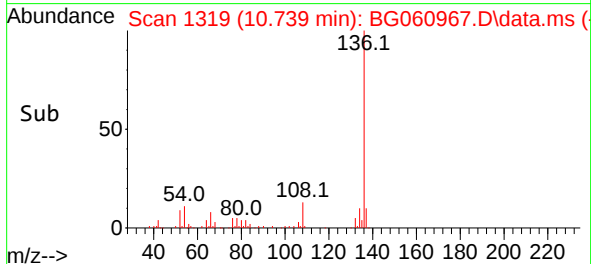
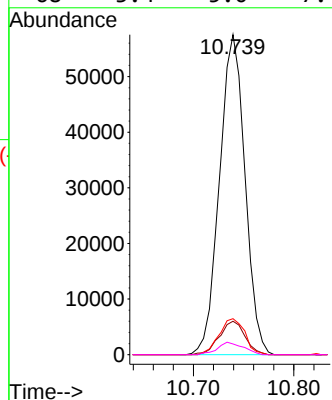
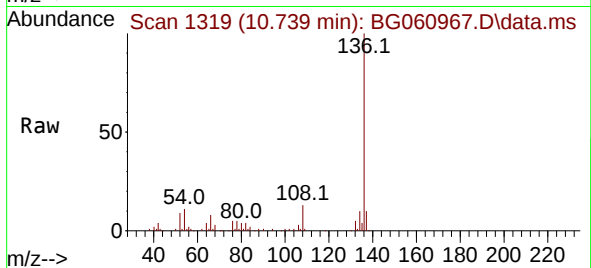




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.739 min Scan# 11
Delta R.T. 0.001 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20

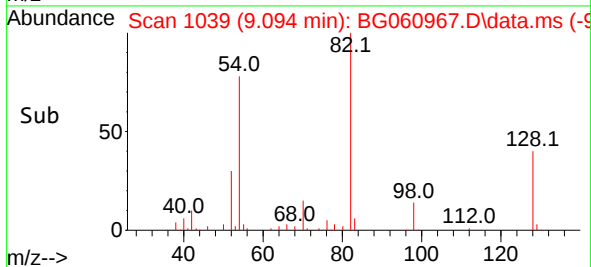
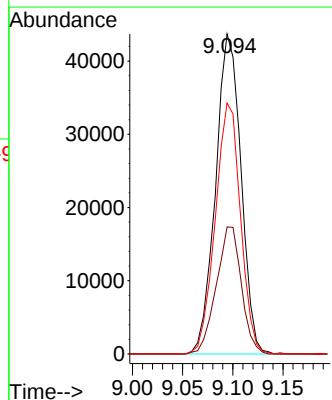
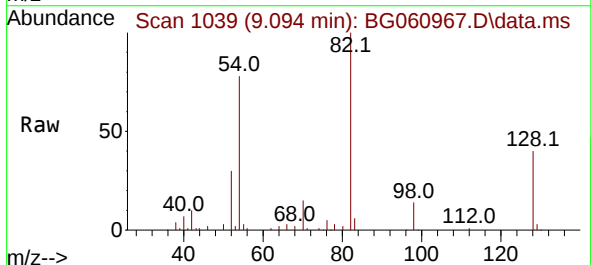
Instrument :
BNA_G
ClientSampleId :

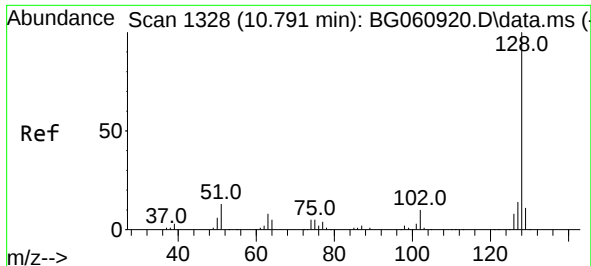
Tgt Ion:136 Resp: 101507
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 11.2 9.8 14.8
68 3.4 5.0 7.4#



#23
Nitrobenzene-d5
Concen: 34.361 ng
RT: 9.094 min Scan# 1039
Delta R.T. -0.005 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20

Tgt Ion: 82 Resp: 76829
Ion Ratio Lower Upper
82 100
128 39.7 31.4 47.0
54 78.4 54.2 81.4

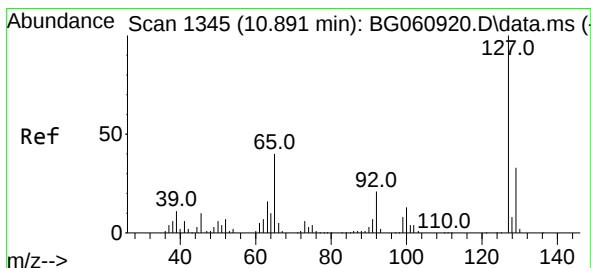
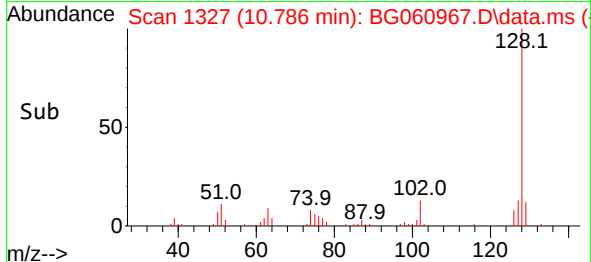
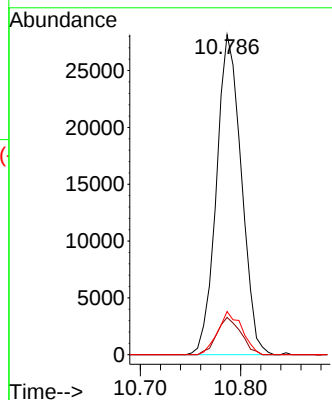
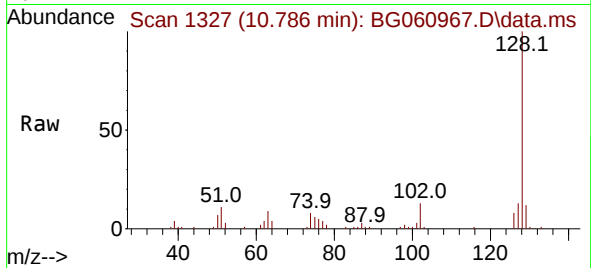




#31
Naphthalene
Concen: 8.835 ng
RT: 10.786 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20

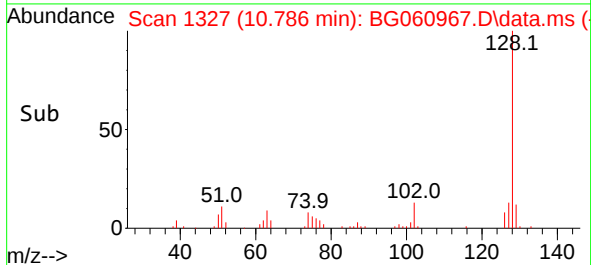
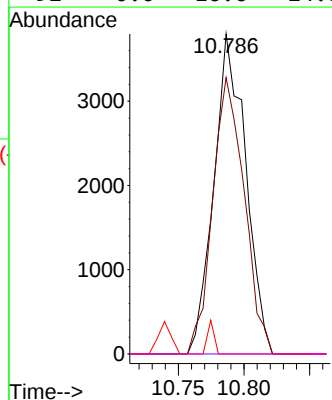
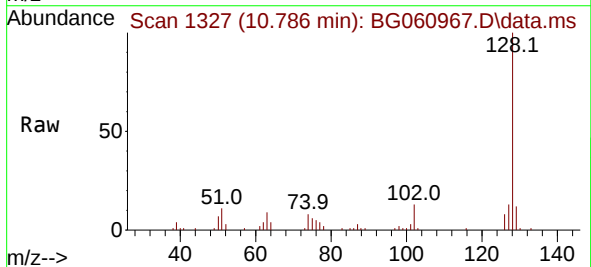
Instrument :
BNA_G
ClientSampleId :

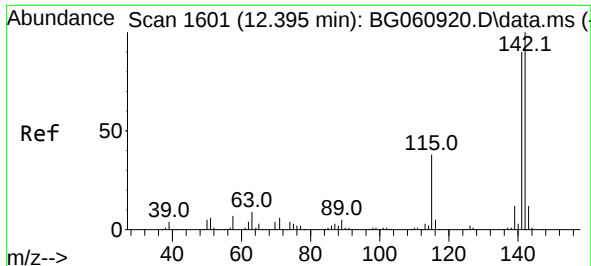
Tgt Ion:128 Resp: 48502
Ion Ratio Lower Upper
128 100
129 11.6 8.4 12.6
127 13.5 11.3 16.9



#33
4-Chloroaniline
Concen: 2.480 ng
RT: 10.786 min Scan# 1327
Delta R.T. -0.105 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20

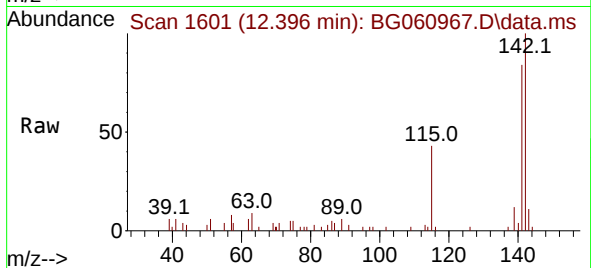
Tgt Ion:127 Resp: 6380
Ion Ratio Lower Upper
127 100
129 86.3 26.8 40.2#
65 0.0 32.3 48.5#
92 0.0 16.6 24.8#



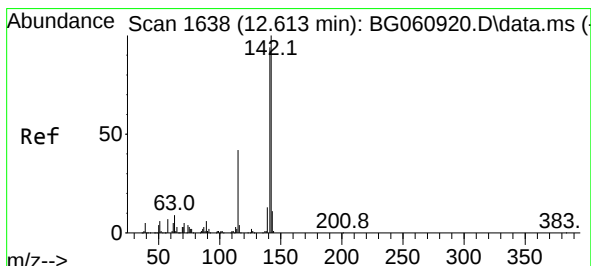
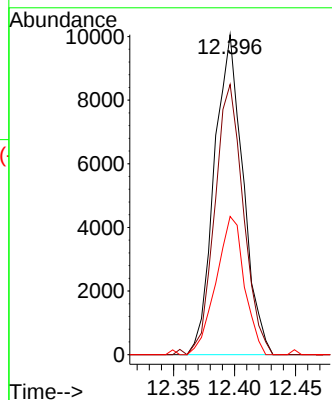
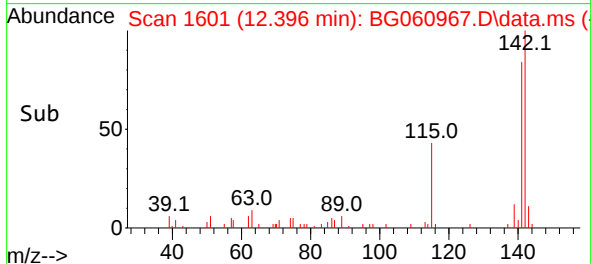


#37
2-Methylnaphthalene
Concen: 3.972 ng
RT: 12.396 min Scan# 1601
Delta R.T. 0.001 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20

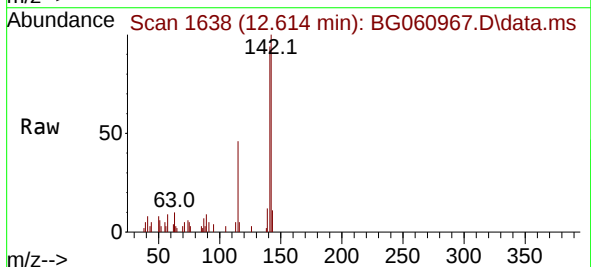
Instrument :
BNA_G
ClientSampleId :



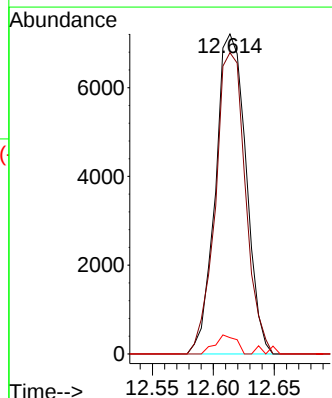
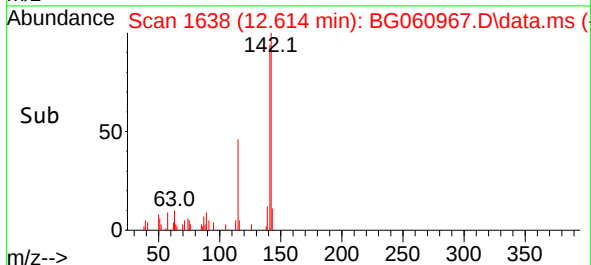
Tgt Ion:142 Resp: 16496
Ion Ratio Lower Upper
142 100
141 84.4 71.7 107.5
115 43.2 30.6 45.8

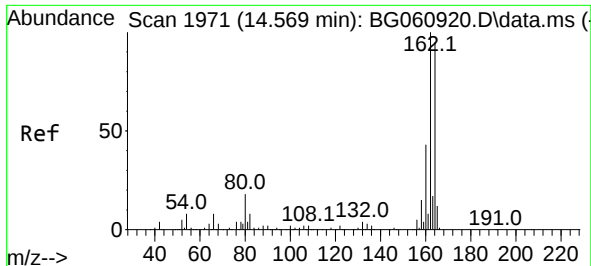


#38
1-Methylnaphthalene
Concen: 3.201 ng
RT: 12.614 min Scan# 1638
Delta R.T. 0.001 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20



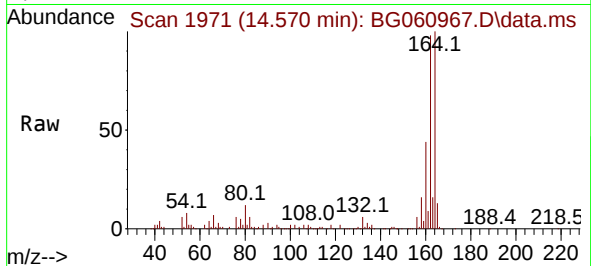
Tgt Ion:142 Resp: 12549
Ion Ratio Lower Upper
142 100
141 94.1 75.1 112.7
116 5.1 3.3 4.9#



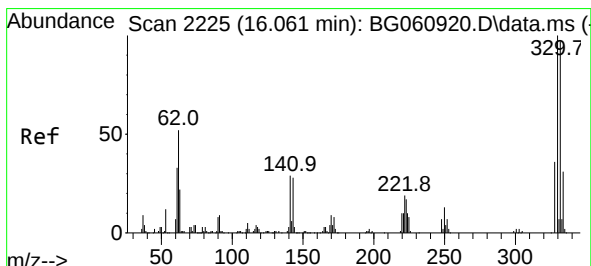
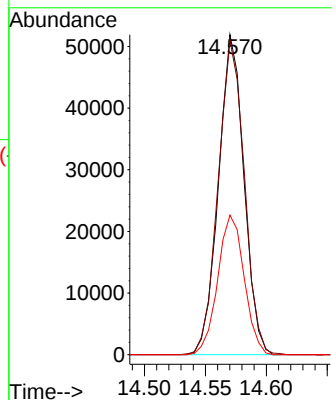
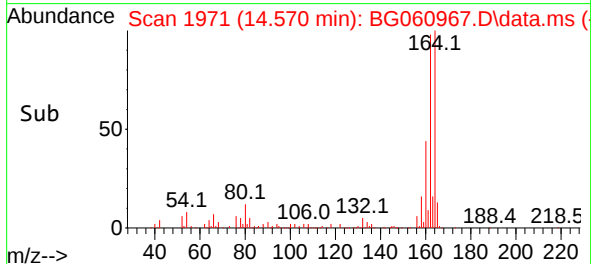


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.570 min Scan# 1971
Delta R.T. 0.001 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20

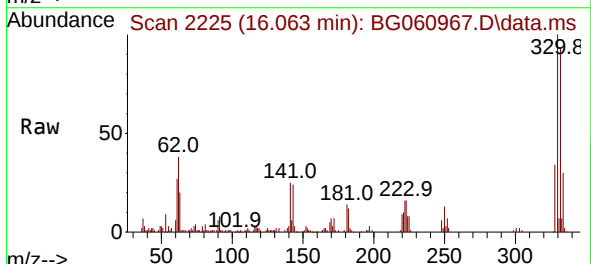
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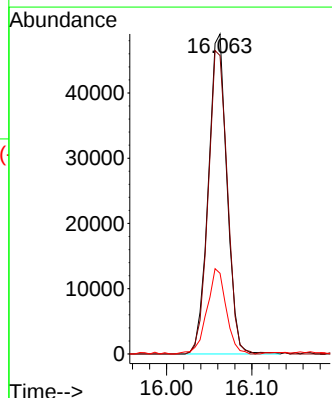
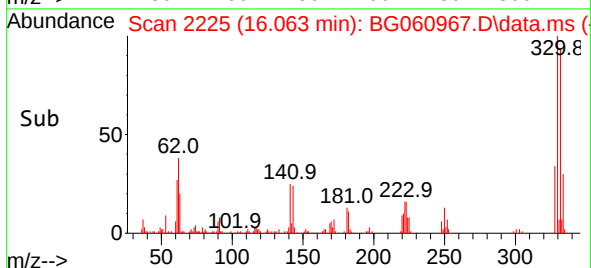
Tgt Ion:164 Resp: 75338
Ion Ratio Lower Upper
164 100
162 98.2 84.1 126.1
160 43.6 35.9 53.9

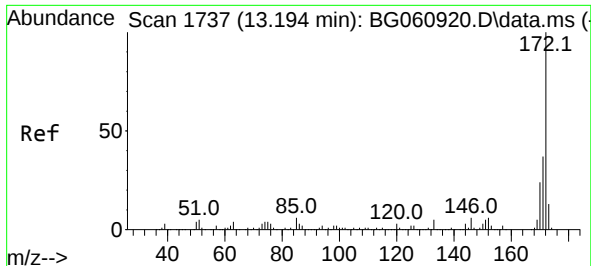


#42
2,4,6-Tribromophenol
Concen: 59.742 ng
RT: 16.063 min Scan# 2225
Delta R.T. 0.001 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20



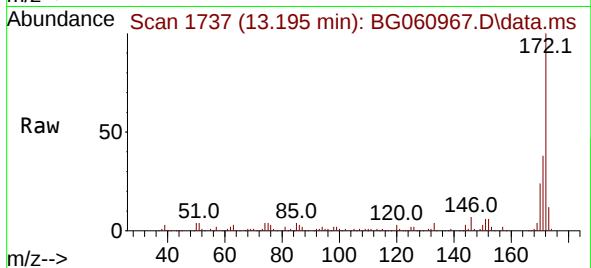
Tgt Ion:330 Resp: 74356
Ion Ratio Lower Upper
330 100
332 96.9 76.9 115.3
141 27.5 23.7 35.5





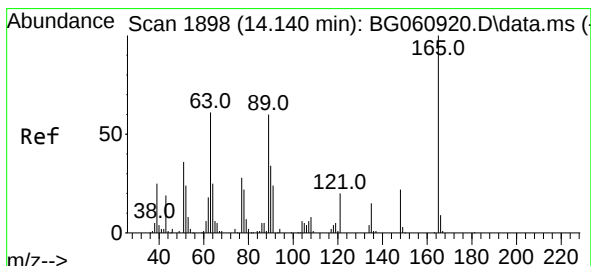
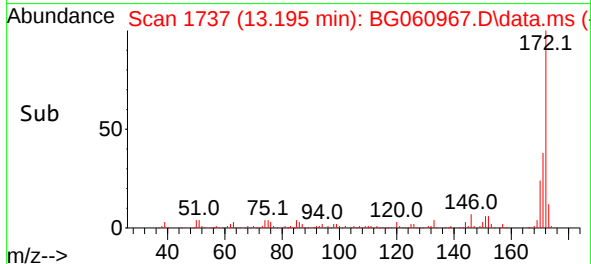
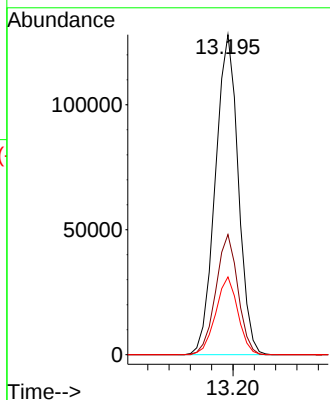
#45
2-Fluorobiphenyl
Concen: 37.147 ng
RT: 13.195 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20

Instrument :
BNA_G
ClientSampleId :



Tgt Ion:172 Resp: 190711

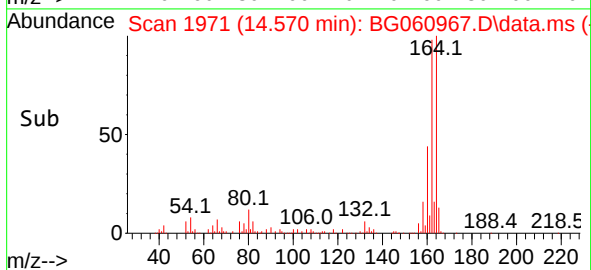
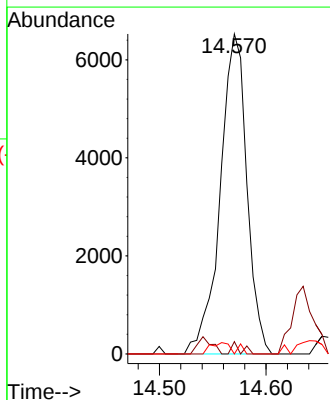
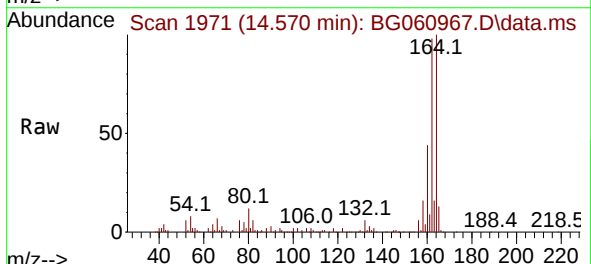
Ion	Ratio	Lower	Upper
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171	37.6	29.3	43.9
170	24.3	19.5	29.3

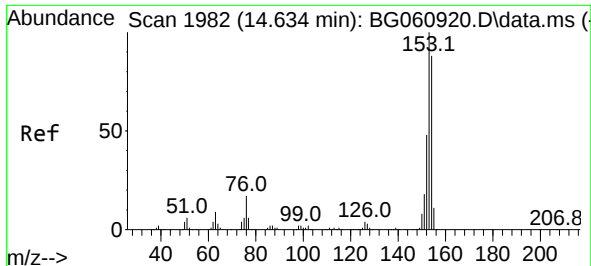


#51
2,6-Dinitrotoluene
Concen: 9.317 ng
RT: 14.570 min Scan# 1971
Delta R.T. 0.430 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20

Tgt Ion:165 Resp: 11353

Ion	Ratio	Lower	Upper
165	100		
63	3.8	53.8	80.8#
89	0.0	48.2	72.4#

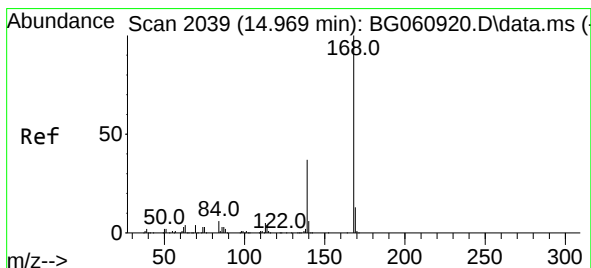
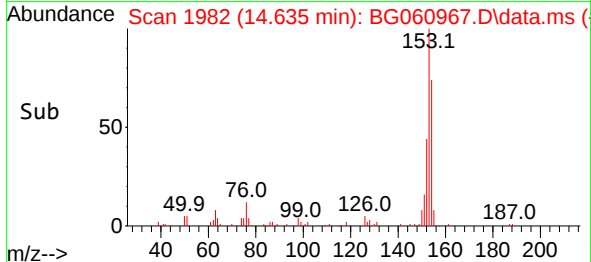
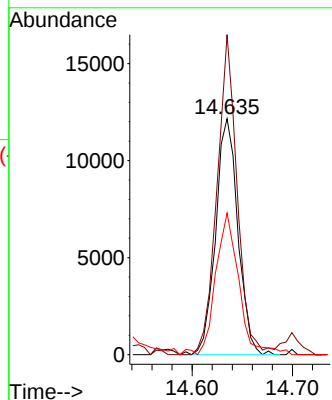
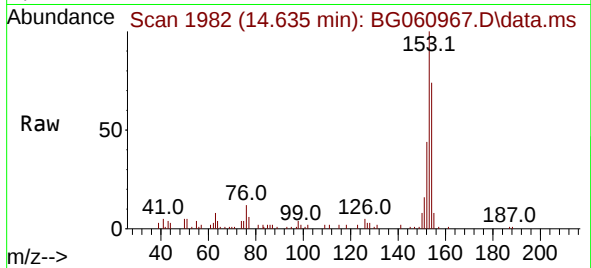




#52
Acenaphthene
Concen: 4.651 ng
RT: 14.635 min Scan# 1982
Delta R.T. 0.001 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20

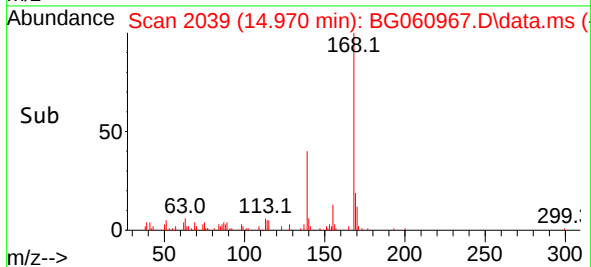
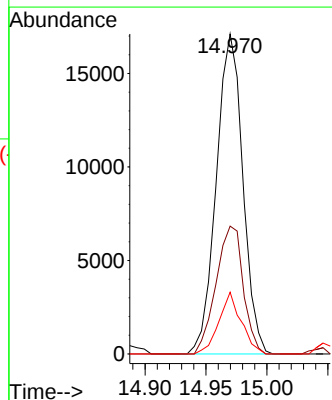
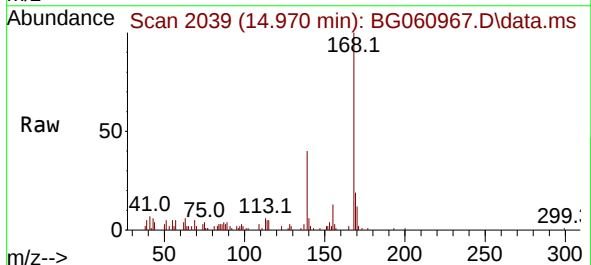
Instrument :
BNA_G
ClientSampleId :

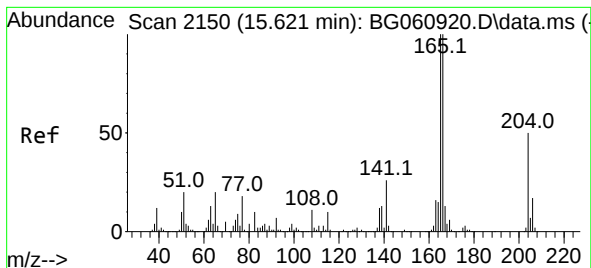
Tgt Ion:154 Resp: 18701
Ion Ratio Lower Upper
154 100
153 135.6 91.4 137.0
152 60.0 44.1 66.1



#55
Dibenzofuran
Concen: 3.811 ng
RT: 14.970 min Scan# 2039
Delta R.T. 0.001 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20

Tgt Ion:168 Resp: 25887
Ion Ratio Lower Upper
168 100
139 40.0 29.9 44.9
169 19.3 10.6 16.0#





#58

Fluorene

Concen: 7.573 ng

RT: 15.616 min Scan# 2150

Delta R.T. -0.005 min

Lab File: BG060967.D

Acq: 19 Apr 2024 20:20

Instrument :

BNA_G

ClientSampleId :

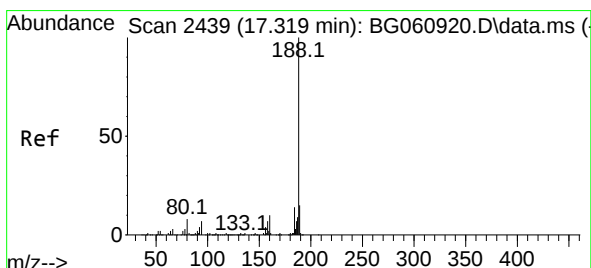
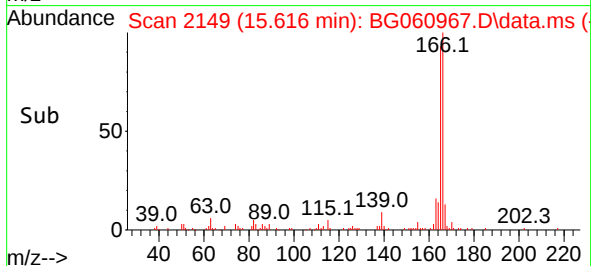
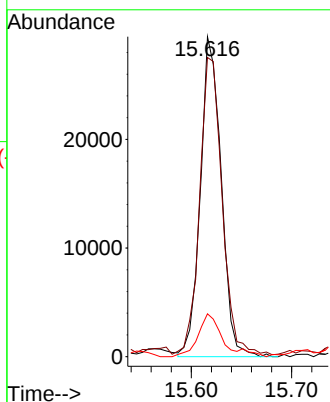
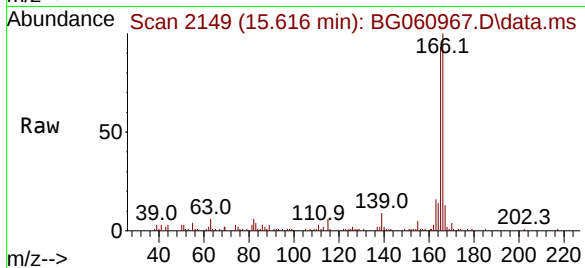
Tgt Ion:166 Resp: 42663

Ion Ratio Lower Upper

166 100

165 93.5 80.2 120.4

167 13.4 10.4 15.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.320 min Scan# 2439

Delta R.T. 0.001 min

Lab File: BG060967.D

Acq: 19 Apr 2024 20:20

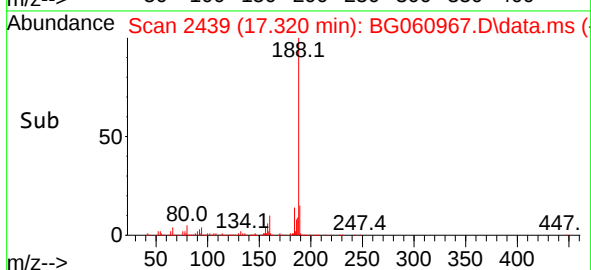
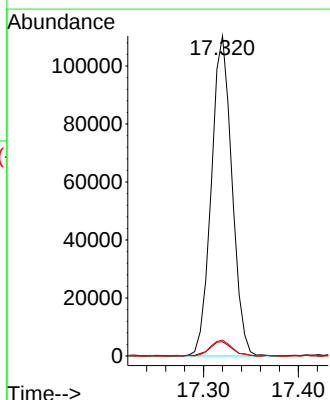
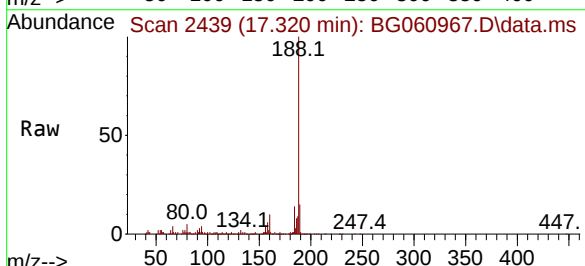
Tgt Ion:188 Resp: 166775

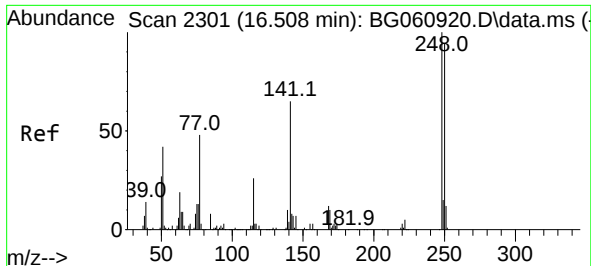
Ion Ratio Lower Upper

188 100

94 4.5 5.7 8.5#

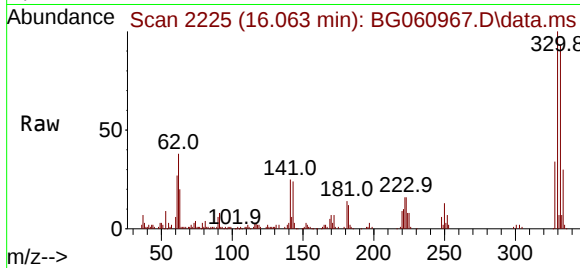
80 5.0 6.6 9.8#



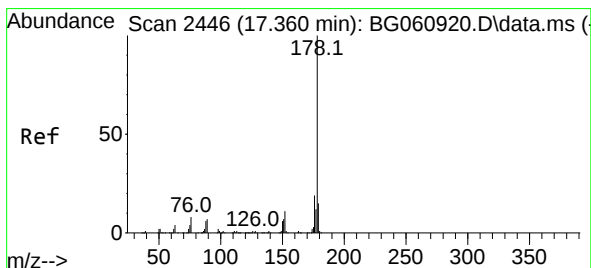
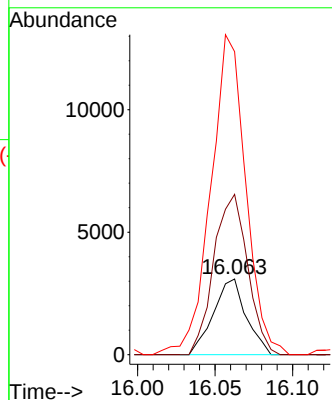
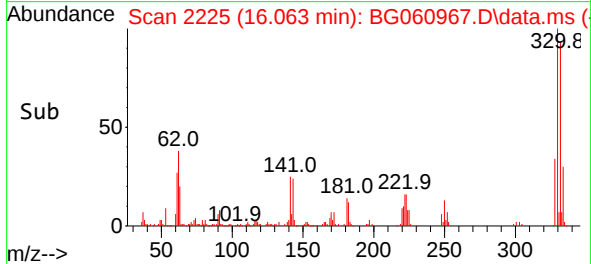


#67
4-Bromophenyl-phenylether
Concen: 2.431 ng
RT: 16.063 min Scan# 211
Delta R.T. -0.445 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20

Instrument :
BNA_G
ClientSampleId :

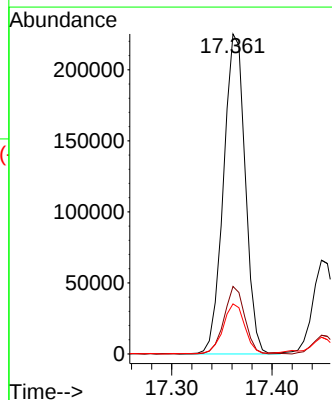
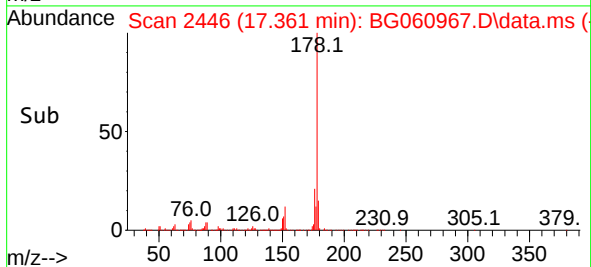
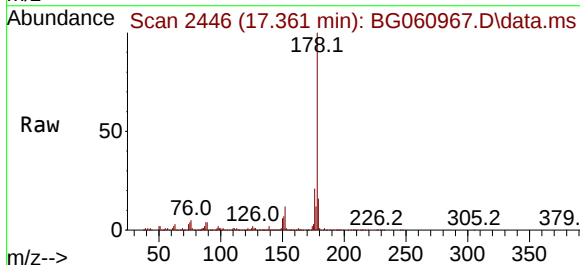


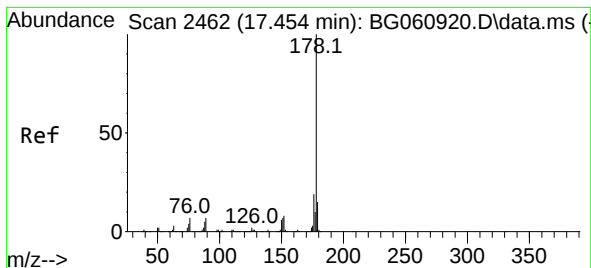
Tgt Ion:248 Resp: 4542
Ion Ratio Lower Upper
248 100
250 211.6 75.4 113.2#
141 400.2 52.2 78.2#



#71
Phenanthrene
Concen: 40.108 ng
RT: 17.361 min Scan# 2446
Delta R.T. 0.001 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20

Tgt Ion:178 Resp: 338575
Ion Ratio Lower Upper
178 100
176 21.1 15.4 23.2
179 15.6 12.0 18.0





#72

Anthracene

Concen: 39.046 ng

RT: 17.361 min Scan# 24

Delta R.T. -0.093 min

Lab File: BG060967.D

Acq: 19 Apr 2024 20:20

Instrument :

BNA_G

ClientSampleId :

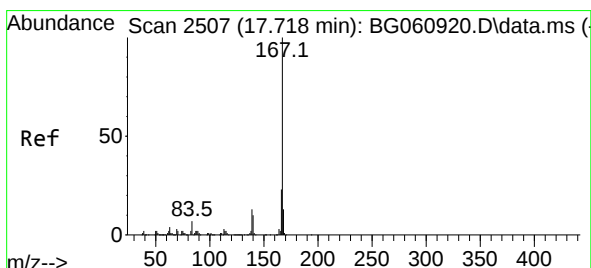
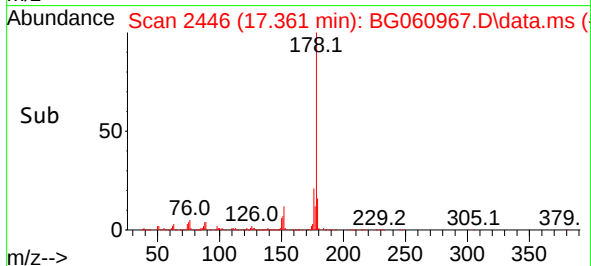
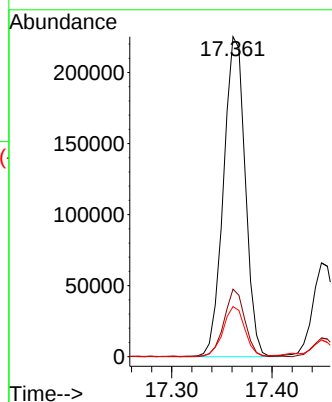
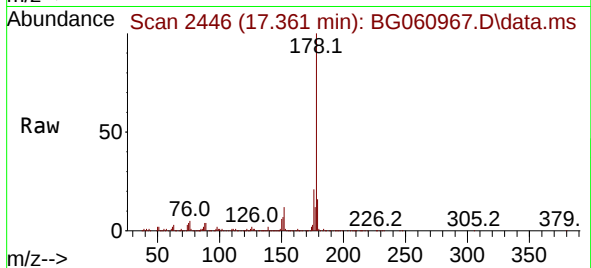
Tgt Ion:178 Resp: 338575

Ion Ratio Lower Upper

178 100

176 21.1 15.0 22.4

179 15.6 11.6 17.4



#73

Carbazole

Concen: 2.941 ng

RT: 17.719 min Scan# 2507

Delta R.T. 0.001 min

Lab File: BG060967.D

Acq: 19 Apr 2024 20:20

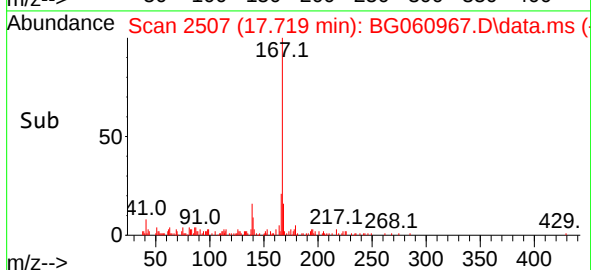
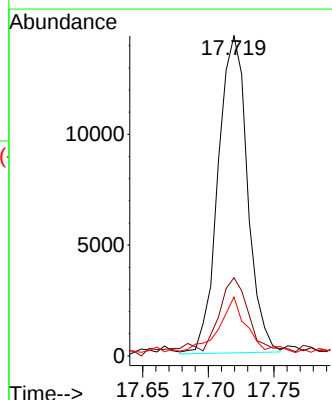
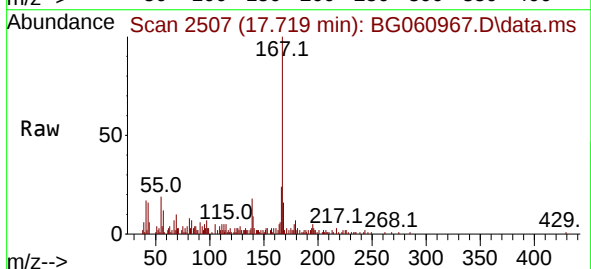
Tgt Ion:167 Resp: 22216

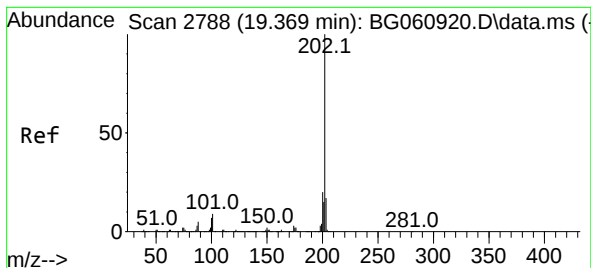
Ion Ratio Lower Upper

167 100

166 24.5 18.4 27.6

139 18.4 10.1 15.1#





#75

Fluoranthene

Concen: 50.381 ng

RT: 19.376 min Scan# 21

Delta R.T. 0.007 min

Lab File: BG060967.D

Acq: 19 Apr 2024 20:20

Instrument :

BNA_G

ClientSampleId :

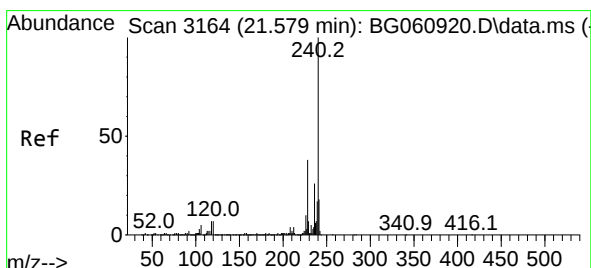
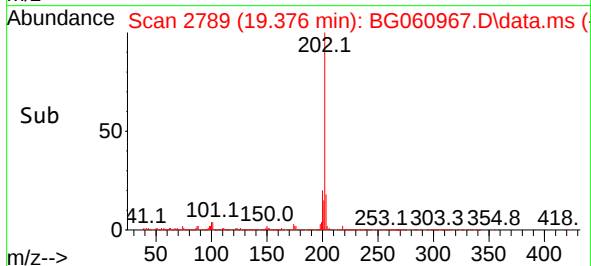
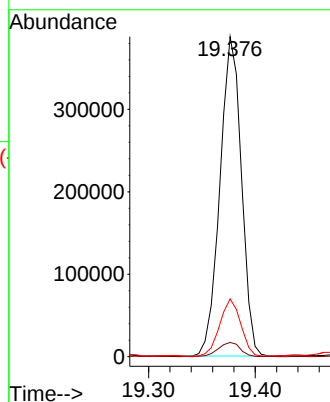
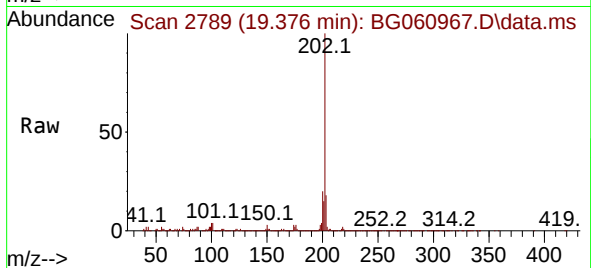
Tgt Ion:202 Resp: 541330

Ion Ratio Lower Upper

202 100

101 4.5 0.0 28.6

203 18.0 0.0 37.3



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.580 min Scan# 3164

Delta R.T. 0.001 min

Lab File: BG060967.D

Acq: 19 Apr 2024 20:20

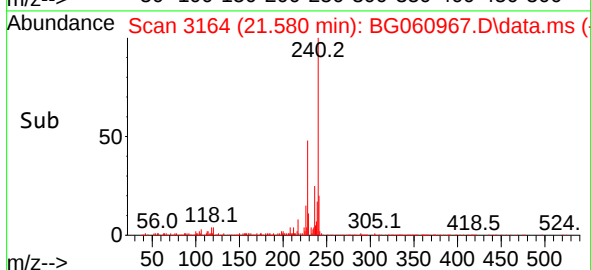
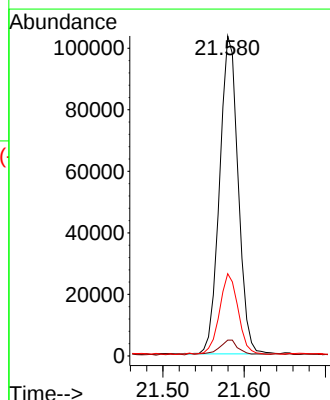
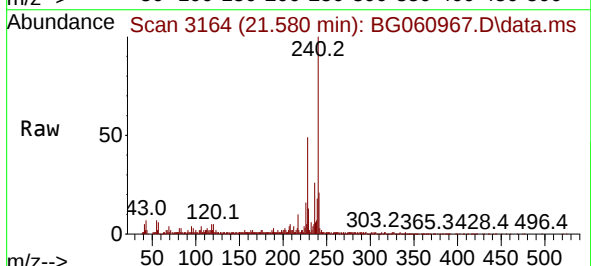
Tgt Ion:240 Resp: 164036

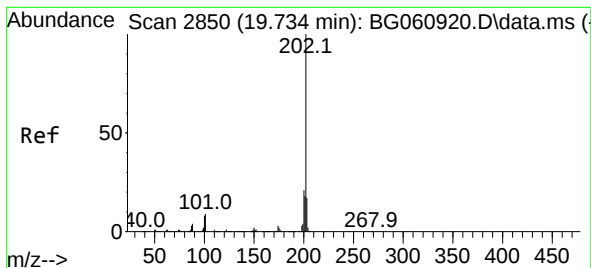
Ion Ratio Lower Upper

240 100

120 5.0 5.7 8.5#

236 25.7 21.1 31.7





#78

Pyrene

Concen: 43.855 ng

RT: 19.735 min Scan# 2850

Delta R.T. 0.001 min

Lab File: BG060967.D

Acq: 19 Apr 2024 20:20

Instrument :

BNA_G

ClientSampleId :

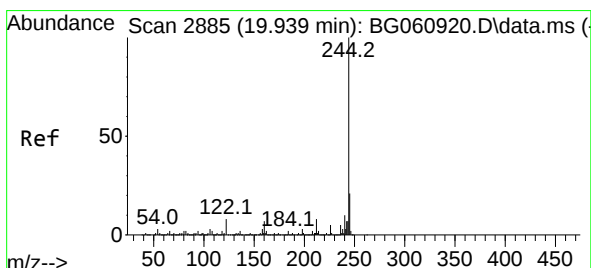
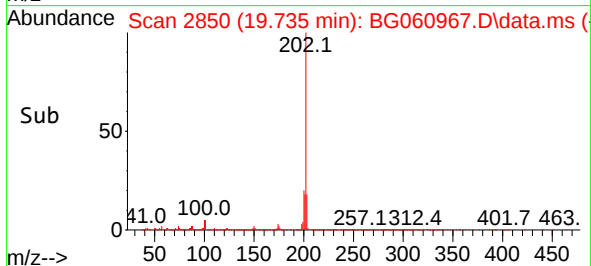
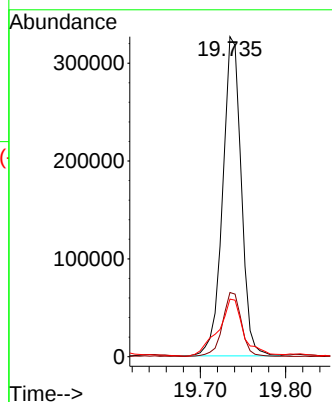
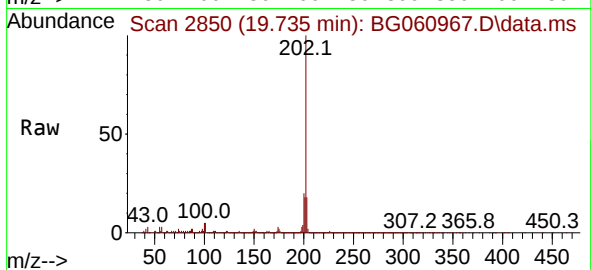
Tgt Ion:202 Resp: 493485

Ion Ratio Lower Upper

202 100

200 20.0 16.7 25.1

203 18.0 13.8 20.8



#79

Terphenyl-d14

Concen: 34.519 ng

RT: 19.940 min Scan# 2885

Delta R.T. 0.001 min

Lab File: BG060967.D

Acq: 19 Apr 2024 20:20

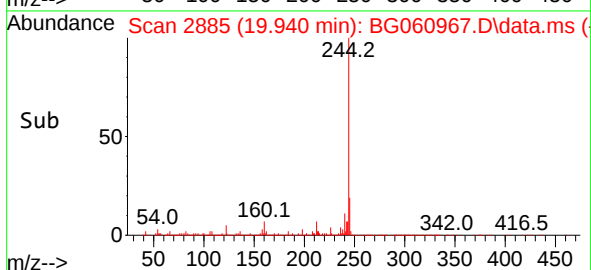
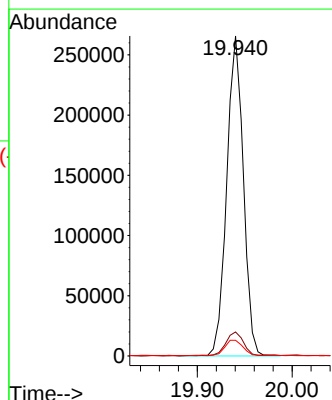
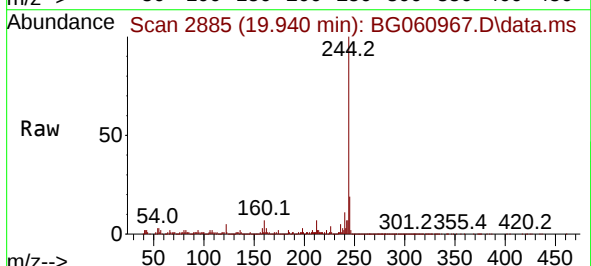
Tgt Ion:244 Resp: 324445

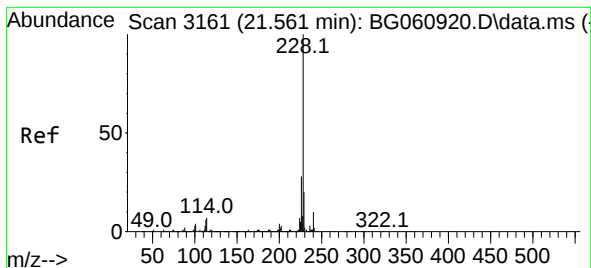
Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.4

122 4.9 6.6 9.8#





#81

Benzo(a)anthracene

Concen: 24.017 ng

RT: 21.562 min Scan# 3161

Delta R.T. 0.001 min

Lab File: BG060967.D

Acq: 19 Apr 2024 20:20

Instrument :

BNA_G

ClientSampleId :

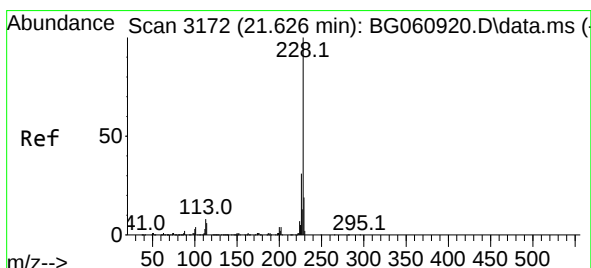
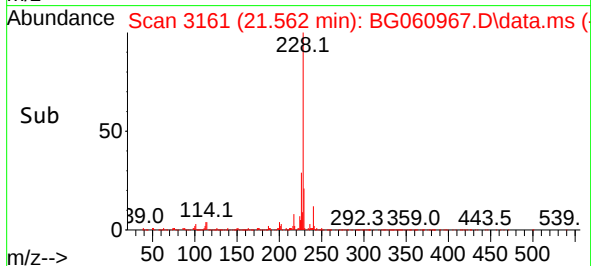
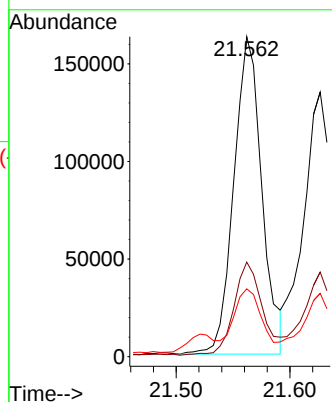
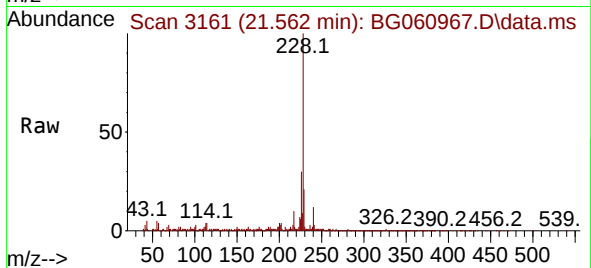
Tgt Ion:228 Resp: 278197

Ion Ratio Lower Upper

228 100

226 29.6 22.0 33.0

229 21.2 15.6 23.4



#83

Chrysene

Concen: 25.154 ng

RT: 21.562 min Scan# 3161

Delta R.T. -0.064 min

Lab File: BG060967.D

Acq: 19 Apr 2024 20:20

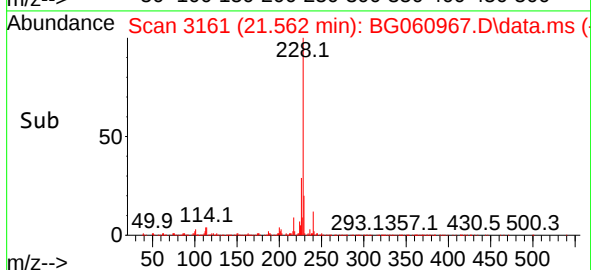
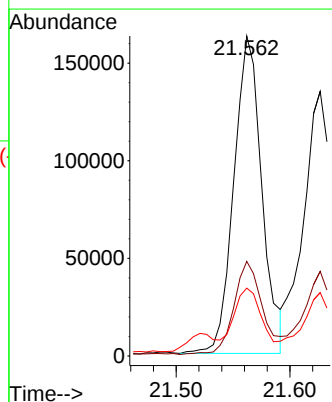
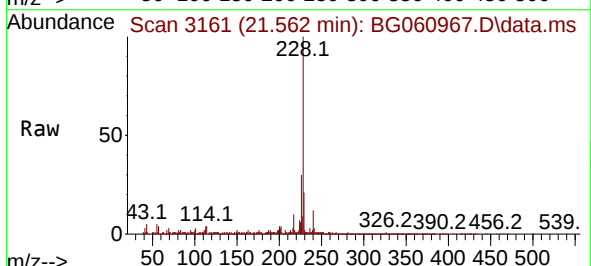
Tgt Ion:228 Resp: 278197

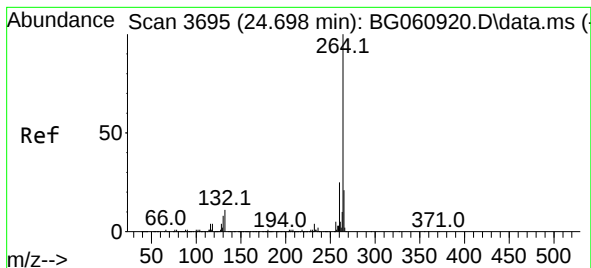
Ion Ratio Lower Upper

228 100

226 29.6 24.4 36.6

229 21.2 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.717 min Scan# 3

Delta R.T. 0.019 min

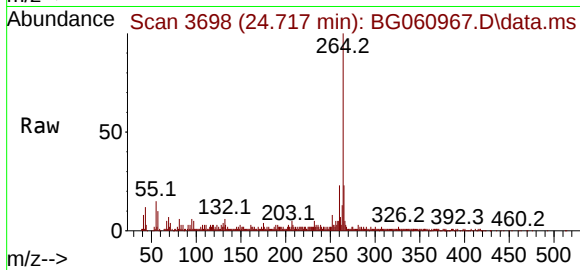
Lab File: BG060967.D

Acq: 19 Apr 2024 20:20

Instrument :

BNA_G

ClientSampleId :



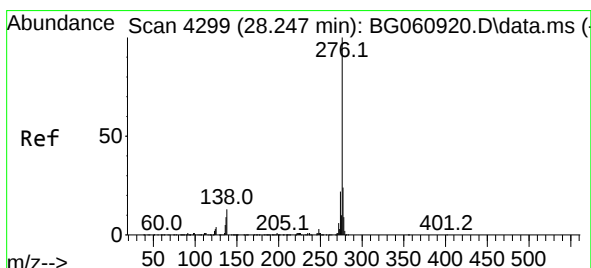
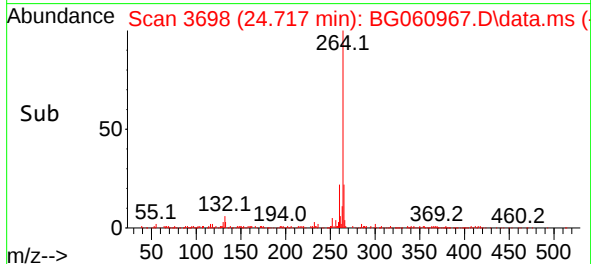
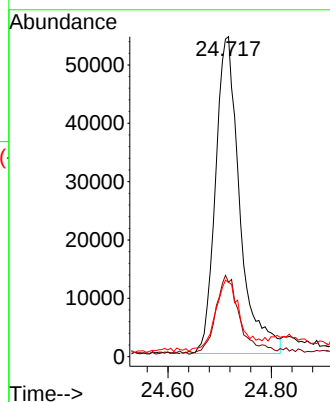
Tgt Ion:264 Resp: 177442

Ion Ratio Lower Upper

264 100

260 23.2 19.6 29.4

265 23.2 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.962 ng

RT: 28.260 min Scan# 4301

Delta R.T. 0.013 min

Lab File: BG060967.D

Acq: 19 Apr 2024 20:20

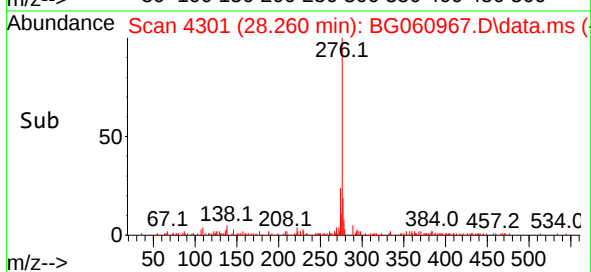
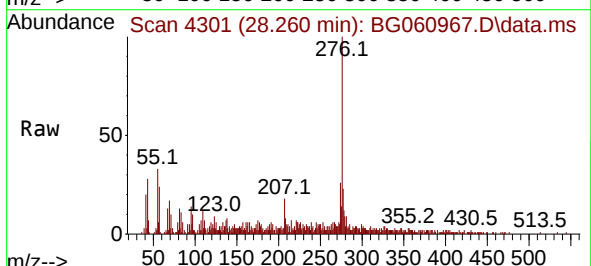
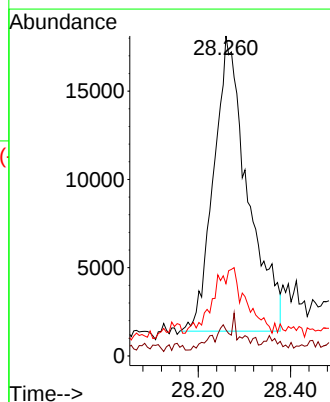
Tgt Ion:276 Resp: 85422

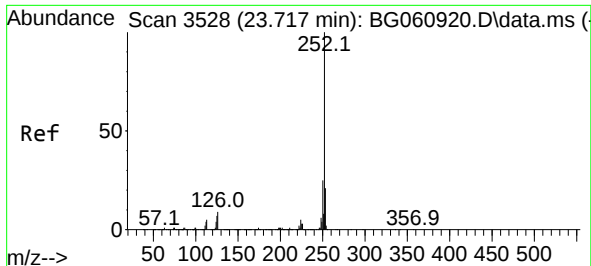
Ion Ratio Lower Upper

276 100

138 1.6 10.8 16.2#

277 0.0 20.3 30.5#

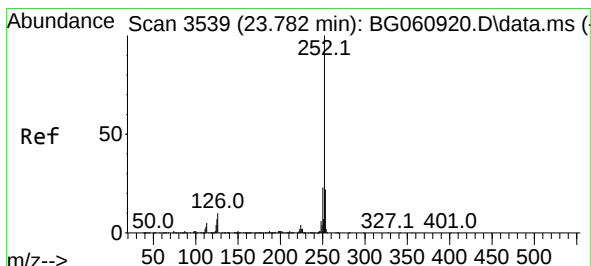
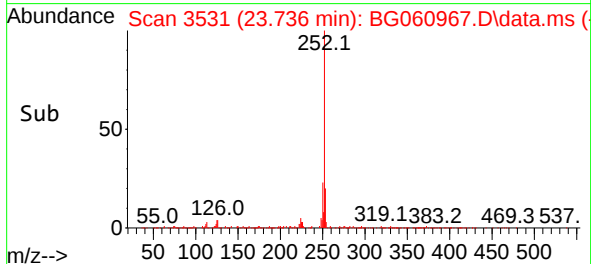
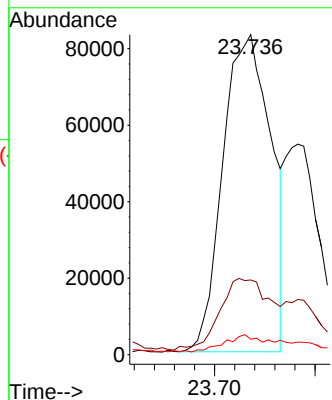
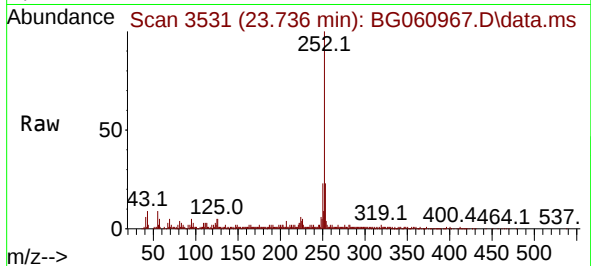




#88
Benzo(b)fluoranthene
Concen: 27.413 ng
RT: 23.736 min Scan# 3531
Delta R.T. 0.019 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20

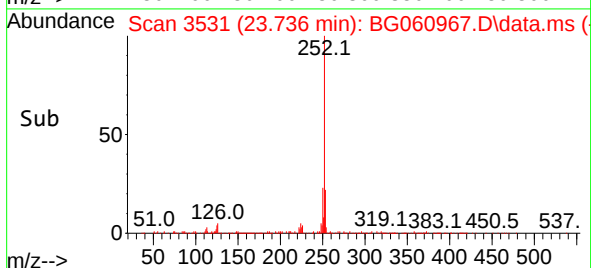
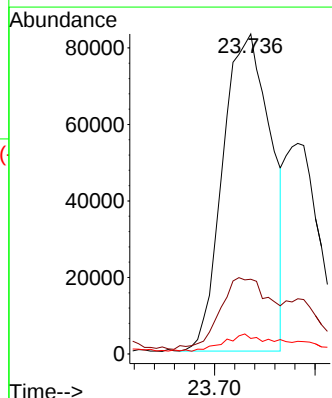
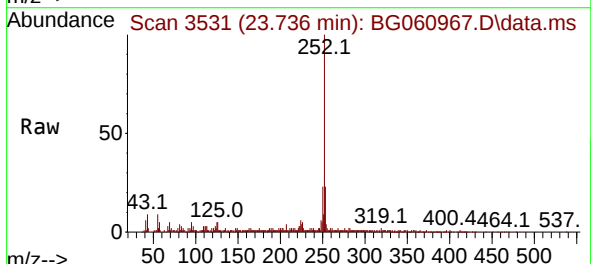
Instrument :
BNA_G
ClientSampleId :

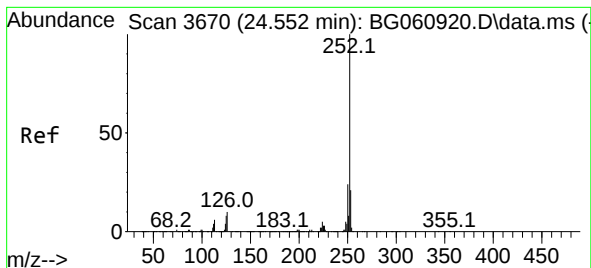
Tgt Ion:252 Resp: 275209
Ion Ratio Lower Upper
252 100
253 23.4 16.8 25.2
125 4.8 5.6 8.4#



#89
Benzo(k)fluoranthene
Concen: 26.796 ng
RT: 23.736 min Scan# 3531
Delta R.T. -0.046 min
Lab File: BG060967.D
Acq: 19 Apr 2024 20:20

Tgt Ion:252 Resp: 275209
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 4.8 5.8 8.8#





#90

Benzo(a)pyrene

Concen: 22.047 ng

RT: 24.570 min Scan# 3

Delta R.T. 0.019 min

Lab File: BG060967.D

Acq: 19 Apr 2024 20:20

Instrument :

BNA_G

ClientSampleId :

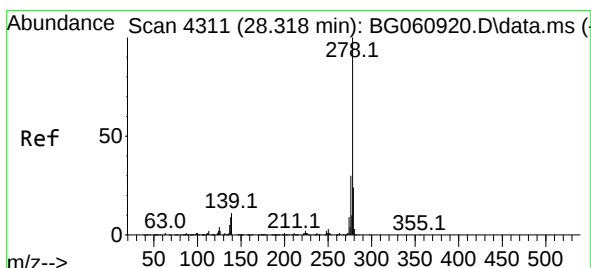
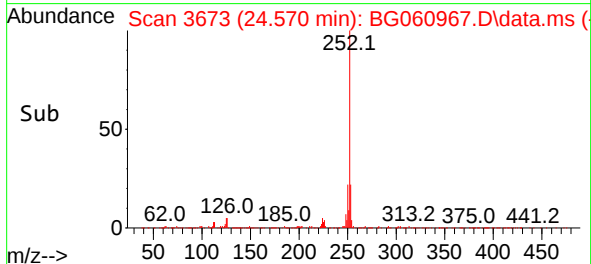
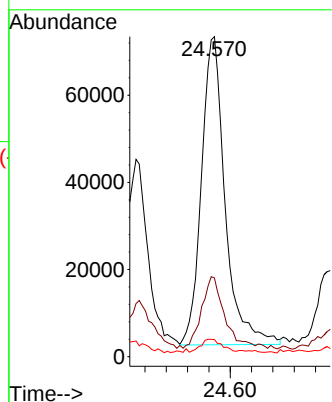
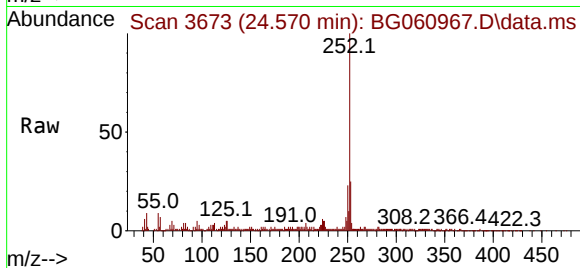
Tgt Ion:252 Resp: 218221

Ion Ratio Lower Upper

252 100

253 24.6 17.1 25.7

125 5.3 6.1 9.1#



#91

Dibenzo(a,h)anthracene

Concen: 2.005 ng

RT: 28.313 min Scan# 4310

Delta R.T. -0.005 min

Lab File: BG060967.D

Acq: 19 Apr 2024 20:20

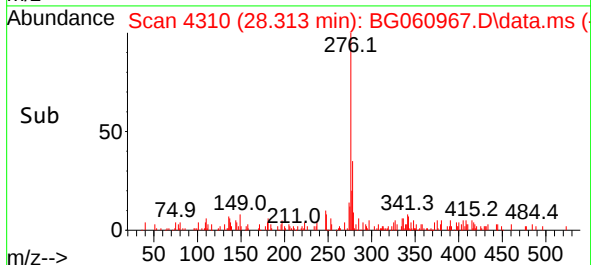
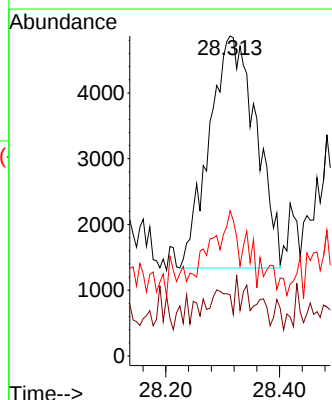
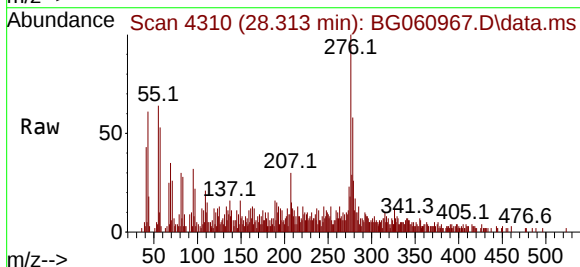
Tgt Ion:278 Resp: 20250

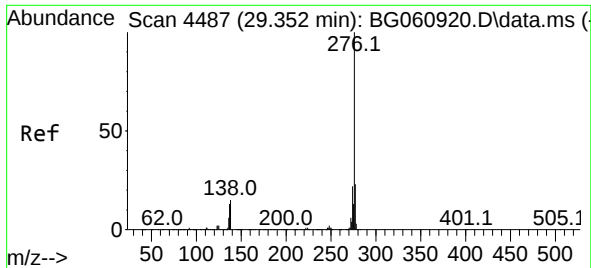
Ion Ratio Lower Upper

278 100

139 19.1 8.6 12.8#

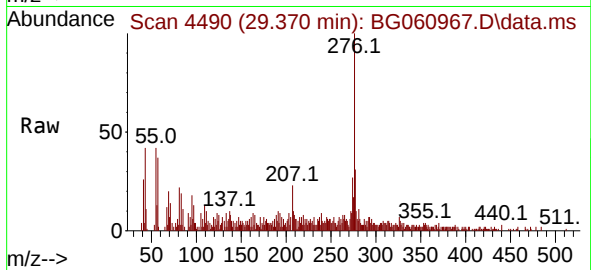
279 45.4 19.4 29.2#





#92
 Benzo(g,h,i)perylene
 Concen: 6.594 ng
 RT: 29.370 min Scan# 44
 Delta R.T. 0.019 min
 Lab File: BG060967.D
 Acq: 19 Apr 2024 20:20

Instrument :
 BNA_G
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.7	18.3	27.5#
138	8.4	12.2	18.4#

