

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040224\
 Data File : BG060752.D
 Acq On : 3 Apr 2024 00:50
 Operator : MA/JU
 Sample : P1879-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EB-01(0-2)

Quant Time: Apr 03 02:29:20 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

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

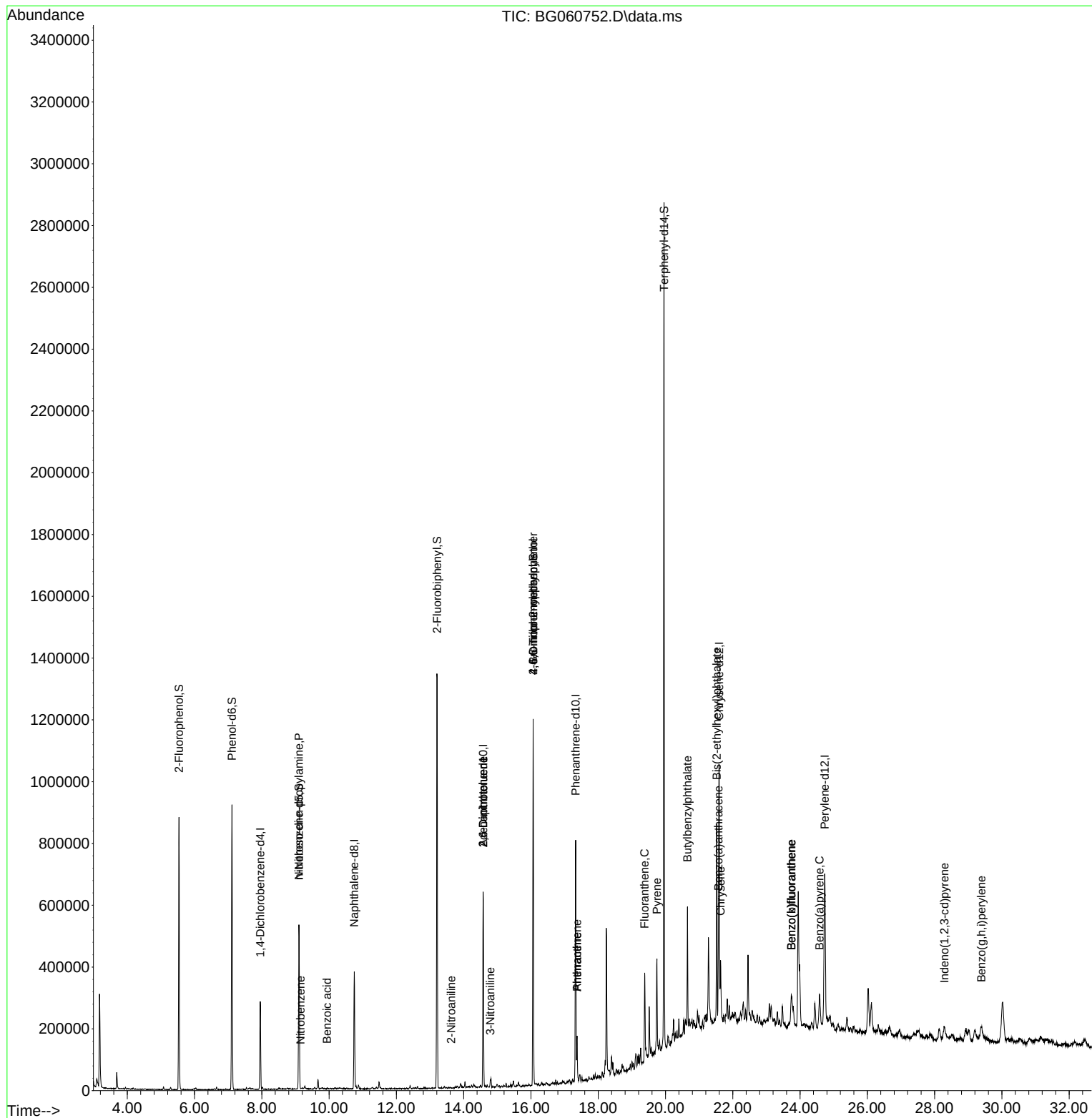
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	75450	20.000	ng	0.00
21) Naphthalene-d8	10.749	136	296391	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	211500	20.000	ng	0.00
64) Phenanthrene-d10	17.330	188	482902	20.000	ng	0.00
76) Chrysene-d12	21.596	240	456623	20.000	ng	0.00
86) Perylene-d12	24.733	264	542031	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	349411	77.148	ng	0.00
7) Phenol-d6	7.113	99	468929	69.751	ng	0.00
23) Nitrobenzene-d5	9.104	82	286715	55.199	ng	0.00
42) 2,4,6-Tribromophenol	16.067	330	223330	93.021	ng	0.00
45) 2-Fluorobiphenyl	13.211	172	701329	48.666	ng	0.00
79) Terphenyl-d14	19.956	244	1292177	49.829	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.104	70	37235	7.263	ng	# 80
24) Nitrobenzene	9.151	77	133	2.794	ng	# 14
32) Benzoic acid	9.939	122	87	6.859	ng	92
48) 2-Nitroaniline	13.628	65	241	2.860	ng	# 11
51) 2,6-Dinitrotoluene	14.580	165	27830	12.115	ng	# 20
53) 3-Nitroaniline	14.792	138	60	2.868	ng	# 1
57) 2,4-Dinitrotoluene	14.580	165	27830	10.191	ng	# 21
65) 4,6-Dinitro-2-methylph...	16.067	198	651	7.313	ng	# 1
67) 4-Bromophenyl-phenylether	16.067	248	15733	3.210	ng	# 1
71) Phenanthrene	17.371	178	92369	3.678	ng	98
72) Anthracene	17.371	178	92369	3.622	ng	97
75) Fluoranthene	19.381	202	162935	5.346	ng	100
78) Pyrene	19.745	202	197023	6.169	ng	98
80) Butylbenzylphthalate	20.656	149	115901	9.949	ng	97
81) Benzo(a)anthracene	21.572	228	107298	3.334	ng	94
83) Chrysene	21.637	228	111726	3.601	ng	97
84) Bis(2-ethylhexyl)phtha...	21.525	149	244889	13.189	ng	99
87) Indeno(1,2,3-cd)pyrene	28.294	276	78115	2.047	ng	97
88) Benzo(b)fluoranthene	23.740	252	137597	4.419	ng	98
89) Benzo(k)fluoranthene	23.740	252	137597	4.317	ng	99
90) Benzo(a)pyrene	24.580	252	105605	3.490	ng	# 97
92) Benzo(g,h,i)perylene	29.392	276	85803	2.741	ng	95

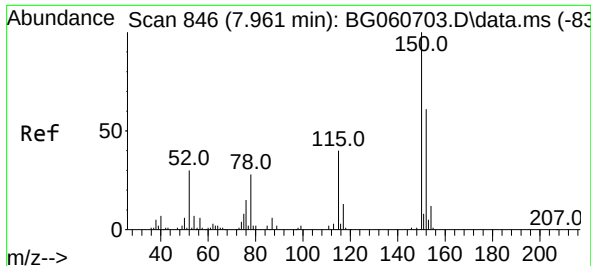
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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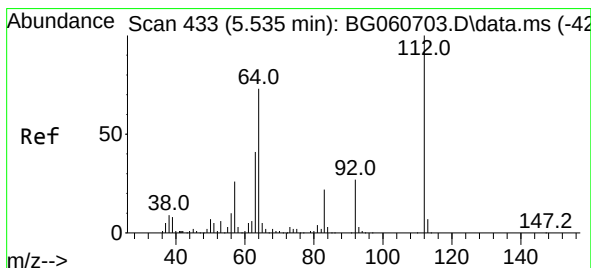
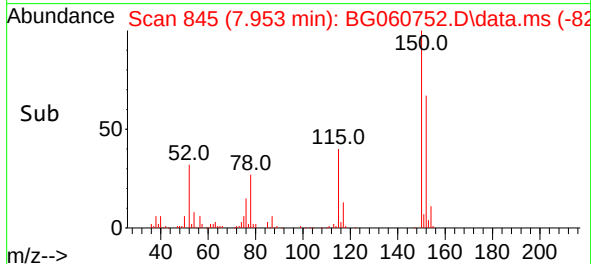
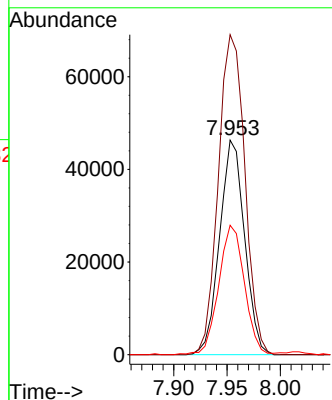
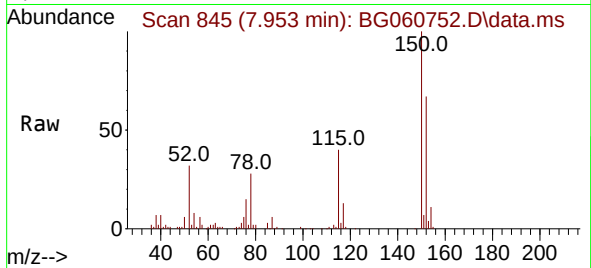




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.953 min Scan# 846
Delta R.T. -0.008 min
Lab File: BG060752.D
Acq: 3 Apr 2024 00:50

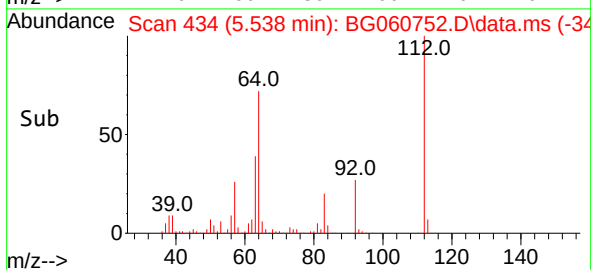
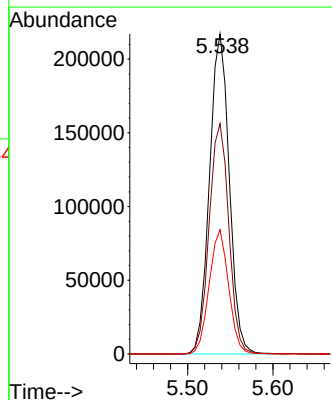
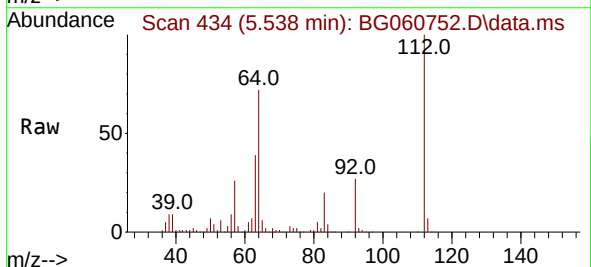
Instrument :
BNA_G
ClientSampleId :
EB-01(0-2)

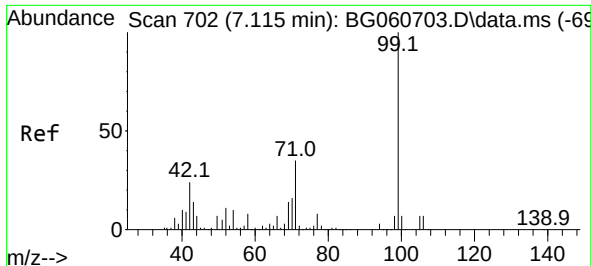
Tgt Ion:152 Resp: 75450
Ion Ratio Lower Upper
152 100
150 149.2 130.2 195.4
115 60.4 51.6 77.4



#5
2-Fluorophenol
Concen: 77.148 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.003 min
Lab File: BG060752.D
Acq: 3 Apr 2024 00:50

Tgt Ion:112 Resp: 349411
Ion Ratio Lower Upper
112 100
64 71.9 58.4 87.6
63 38.8 32.7 49.1

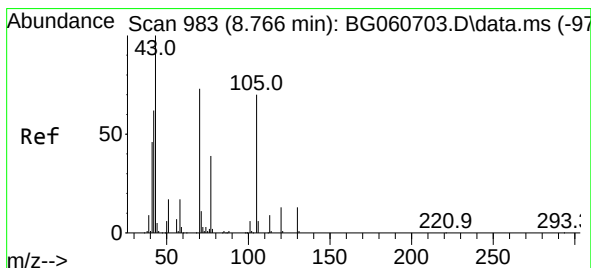
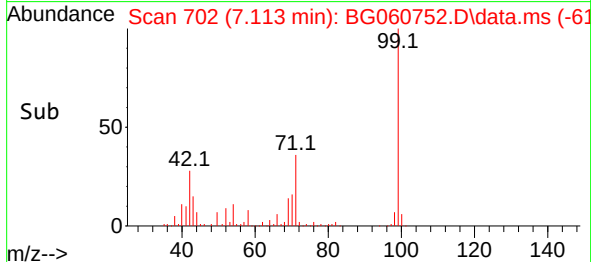
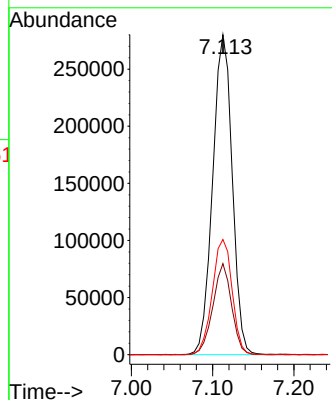
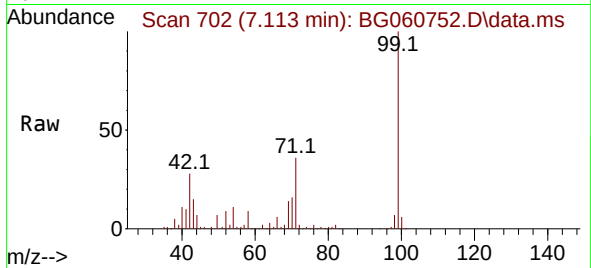




#7
Phenol-d6
Concen: 69.751 ng
RT: 7.113 min Scan# 70
Delta R.T. -0.003 min
Lab File: BG060752.D
Acq: 3 Apr 2024 00:50

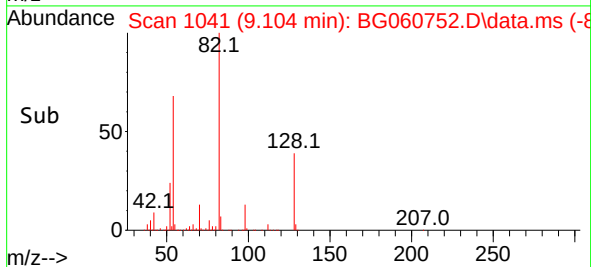
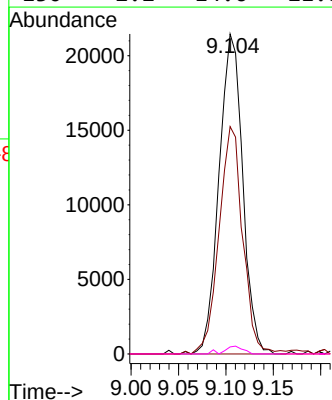
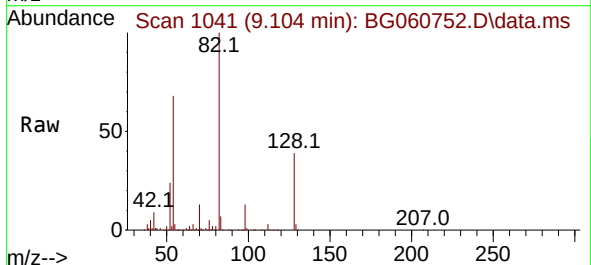
Instrument :
BNA_G
ClientSampleId :
EB-01(0-2)

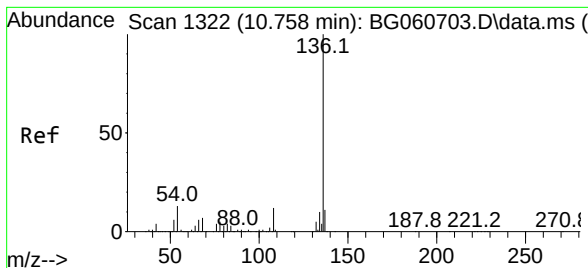
Tgt Ion: 99 Resp: 468929
Ion Ratio Lower Upper
99 100
42 28.4 19.4 29.2
71 36.0 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 7.263 ng
RT: 9.104 min Scan# 1041
Delta R.T. 0.338 min
Lab File: BG060752.D
Acq: 3 Apr 2024 00:50

Tgt Ion: 70 Resp: 37235
Ion Ratio Lower Upper
70 100
42 71.0 68.4 102.6
101 0.0 6.1 9.1#
130 2.2 14.6 21.8#

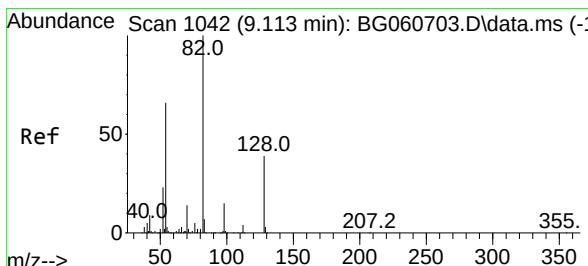
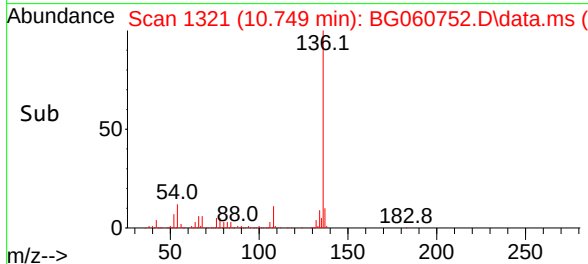
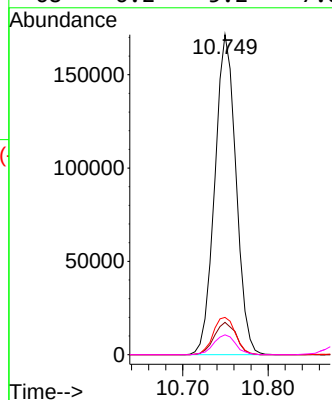
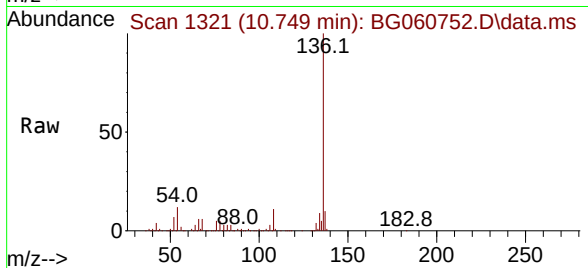




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.749 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG060752.D
Acq: 3 Apr 2024 00:50

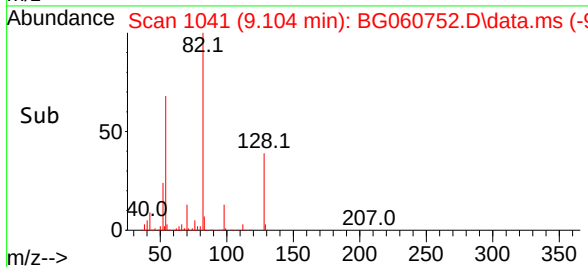
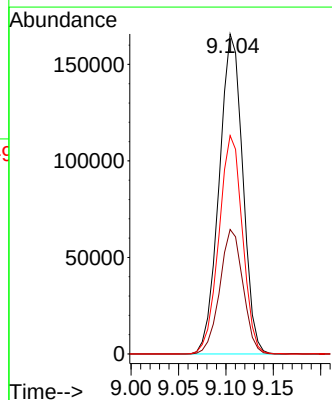
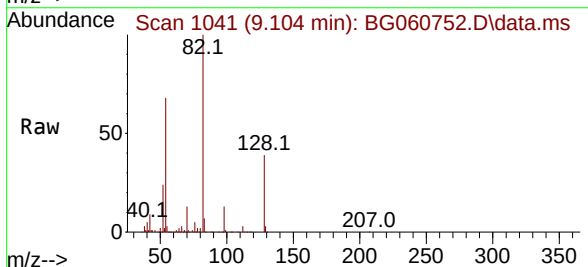
Instrument :
BNA_G
ClientSampleId :
EB-01(0-2)

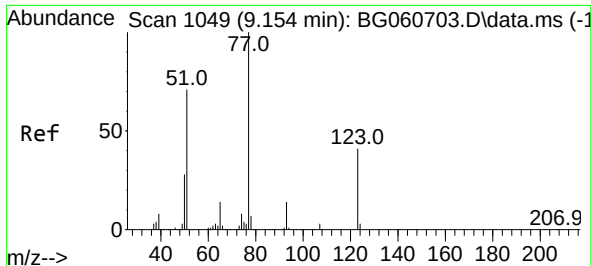
Tgt Ion:136 Resp: 296391
Ion Ratio Lower Upper
136 100
137 10.1 8.8 13.2
54 11.7 10.2 15.2
68 6.2 5.2 7.8



#23
Nitrobenzene-d5
Concen: 55.199 ng
RT: 9.104 min Scan# 1041
Delta R.T. -0.009 min
Lab File: BG060752.D
Acq: 3 Apr 2024 00:50

Tgt Ion: 82 Resp: 286715
Ion Ratio Lower Upper
82 100
128 38.9 31.2 46.8
54 68.2 53.2 79.8

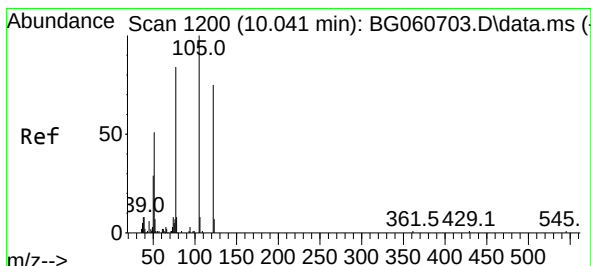
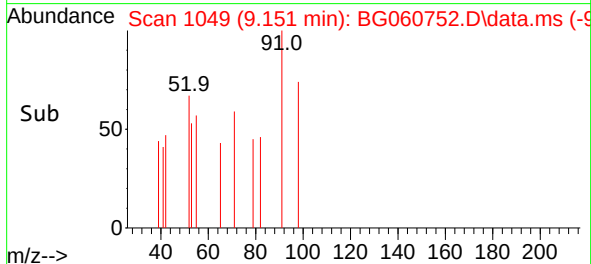
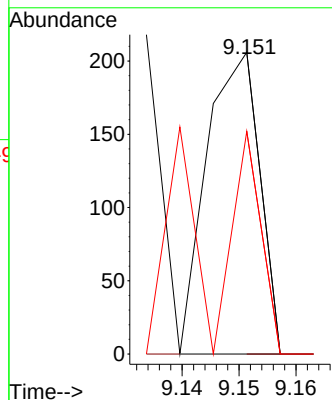
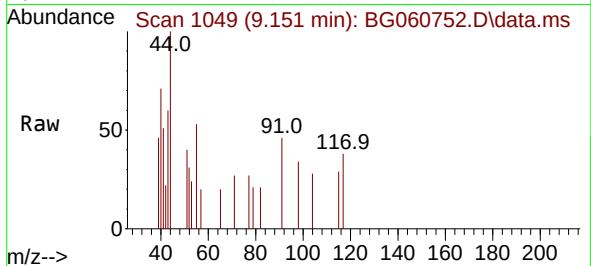




#24
Nitrobenzene
Concen: 2.794 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.003 min
Lab File: BG060752.D
Acq: 3 Apr 2024 00:50

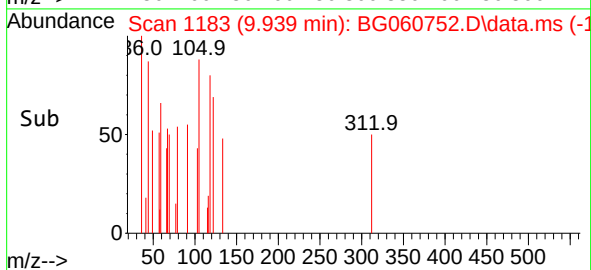
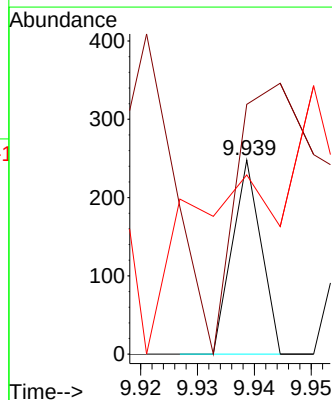
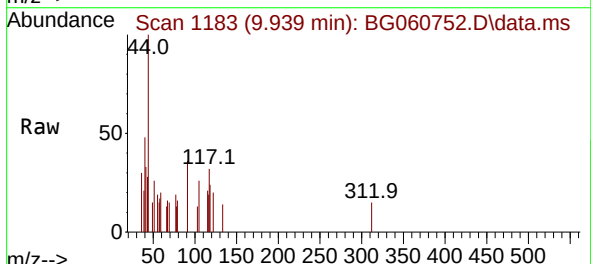
Instrument :
BNA_G
ClientSampleId :
EB-01(0-2)

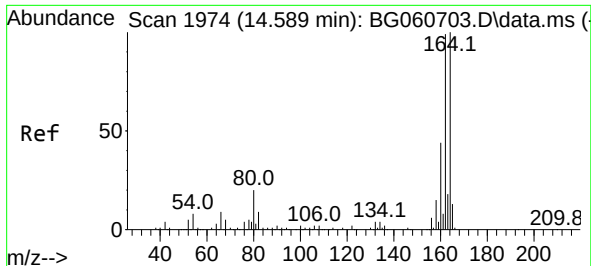
Tgt Ion: 77 Resp: 133
Ion Ratio Lower Upper
77 100
123 0.0 32.7 49.1#
65 73.8 11.3 16.9#



#32
Benzoic acid
Concen: 6.859 ng
RT: 9.939 min Scan# 1183
Delta R.T. -0.102 min
Lab File: BG060752.D
Acq: 3 Apr 2024 00:50

Tgt Ion: 122 Resp: 87
Ion Ratio Lower Upper
122 100
105 128.6 104.5 144.5
77 92.3 85.3 125.3

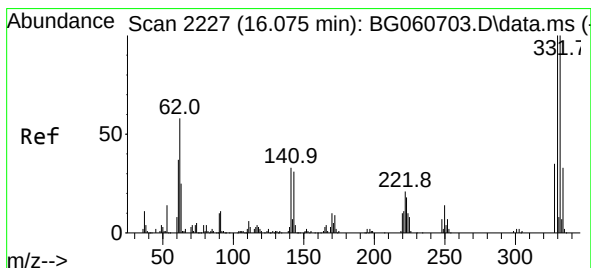
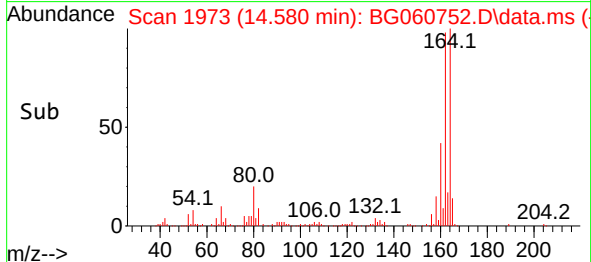
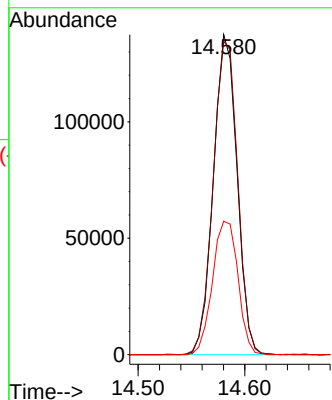
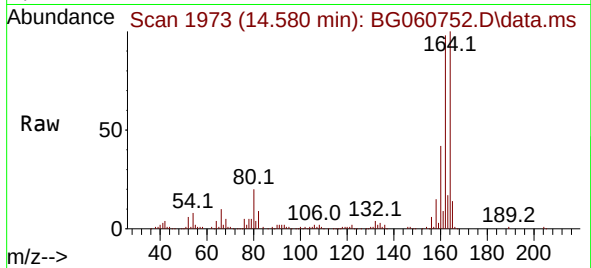




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.580 min Scan# 1973
Delta R.T. -0.009 min
Lab File: BG060752.D
Acq: 3 Apr 2024 00:50

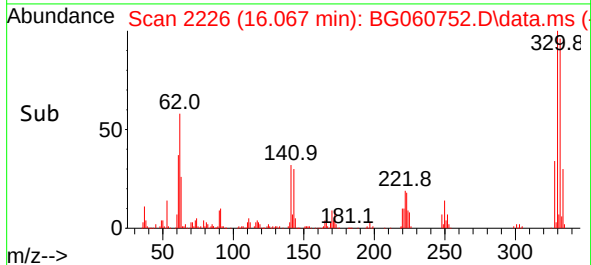
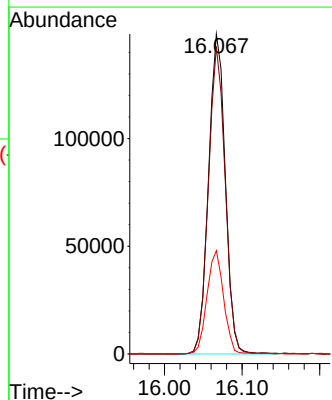
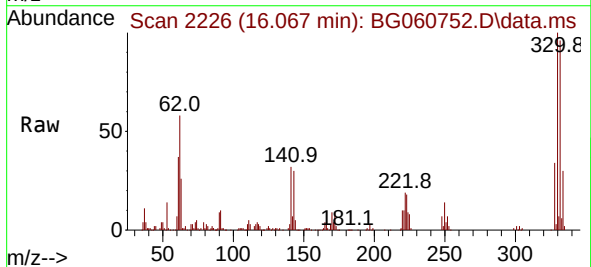
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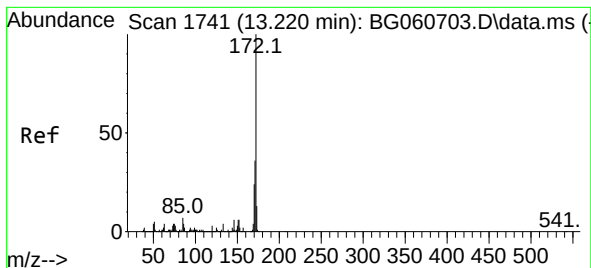
Tgt Ion:164 Resp: 211500
Ion Ratio Lower Upper
164 100
162 98.0 79.5 119.3
160 41.7 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 93.021 ng
RT: 16.067 min Scan# 2226
Delta R.T. -0.009 min
Lab File: BG060752.D
Acq: 3 Apr 2024 00:50

Tgt Ion:330 Resp: 223330
Ion Ratio Lower Upper
330 100
332 95.8 78.2 117.4
141 32.2 27.0 40.6





#45

2-Fluorobiphenyl

Concen: 48.666 ng

RT: 13.211 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG060752.D

Acq: 3 Apr 2024 00:50

Instrument :

BNA_G

ClientSampleId :

EB-01(0-2)

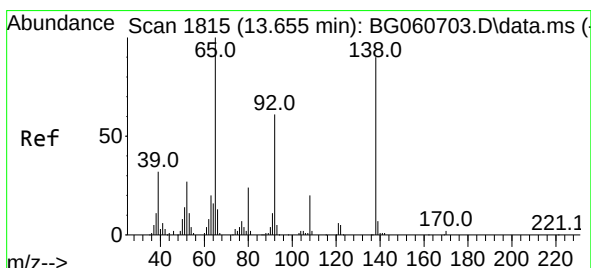
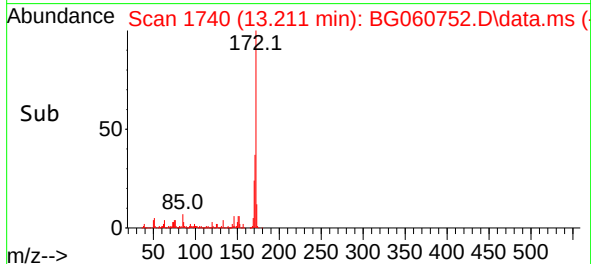
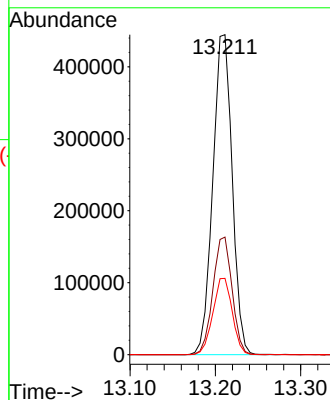
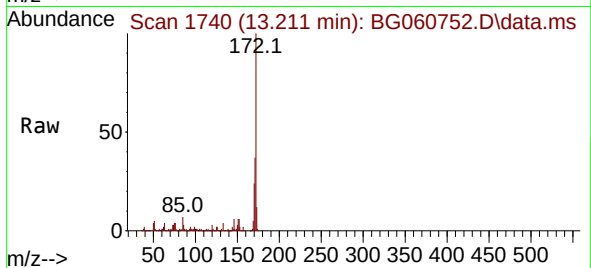
Tgt Ion:172 Resp: 701329

Ion Ratio Lower Upper

172 100

171 36.8 28.7 43.1

170 23.9 19.4 29.0



#48

2-Nitroaniline

Concen: 2.860 ng

RT: 13.628 min Scan# 1811

Delta R.T. -0.027 min

Lab File: BG060752.D

Acq: 3 Apr 2024 00:50

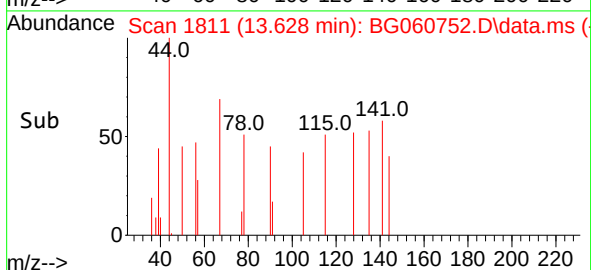
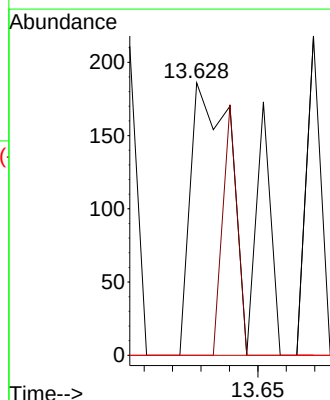
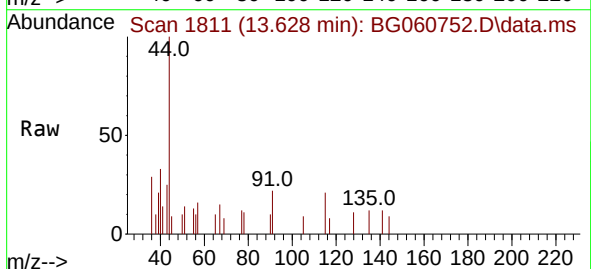
Tgt Ion: 65 Resp: 241

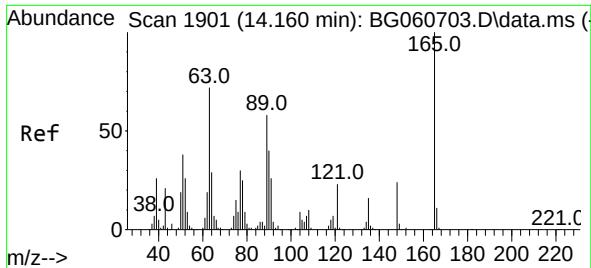
Ion Ratio Lower Upper

65 100

92 0.0 48.6 72.8#

138 0.0 72.2 108.4#

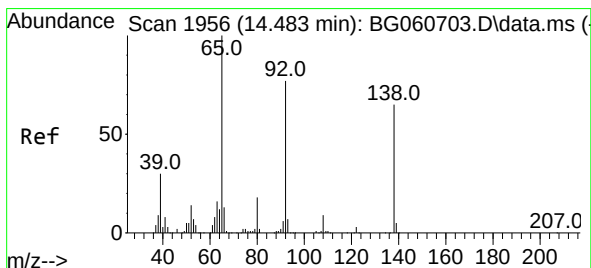
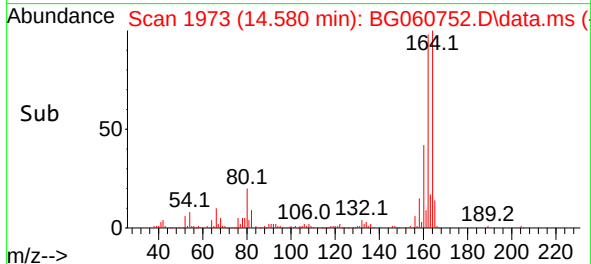
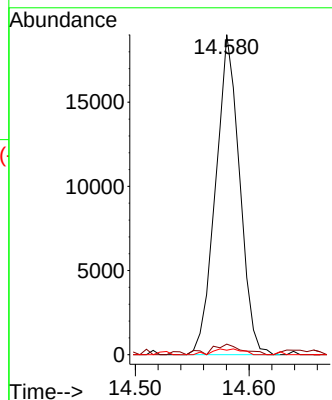
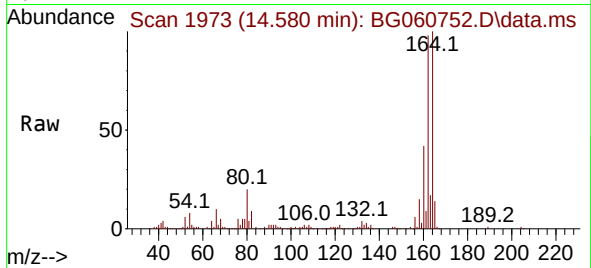




#51
2,6-Dinitrotoluene
Concen: 12.115 ng
RT: 14.580 min Scan# 11
Delta R.T. 0.420 min
Lab File: BG060752.D
Acq: 3 Apr 2024 00:50

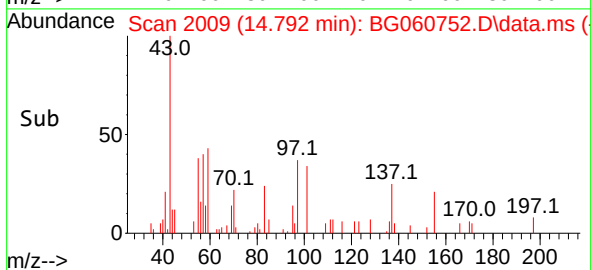
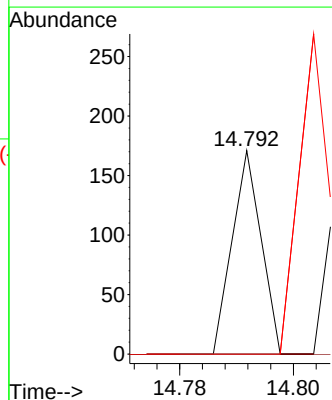
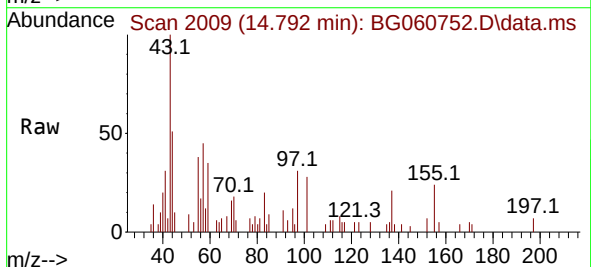
Instrument :
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EB-01(0-2)

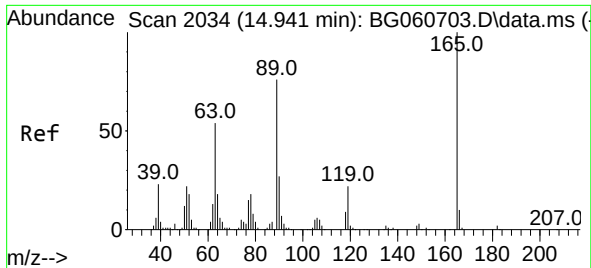
Tgt Ion:165 Resp: 27830
Ion Ratio Lower Upper
165 100
63 3.3 58.2 87.4#
89 1.4 46.1 69.1#



#53
3-Nitroaniline
Concen: 2.868 ng
RT: 14.792 min Scan# 2009
Delta R.T. 0.309 min
Lab File: BG060752.D
Acq: 3 Apr 2024 00:50

Tgt Ion:138 Resp: 60
Ion Ratio Lower Upper
138 100
108 0.0 11.3 16.9#
92 0.0 94.1 141.1#





#57

2,4-Dinitrotoluene

Concen: 10.191 ng

RT: 14.580 min Scan# 1973

Delta R.T. -0.361 min

Lab File: BG060752.D

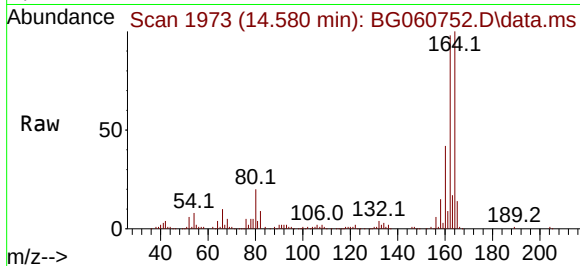
Acq: 3 Apr 2024 00:50

Instrument :

BNA_G

ClientSampleId :

EB-01(0-2)



Tgt Ion:165 Resp: 27830

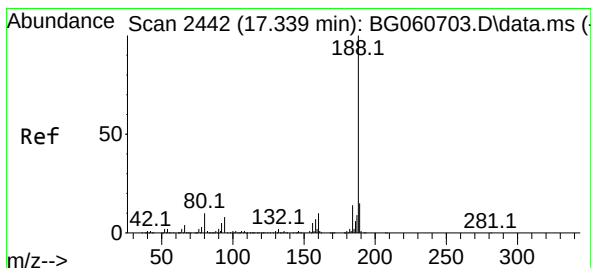
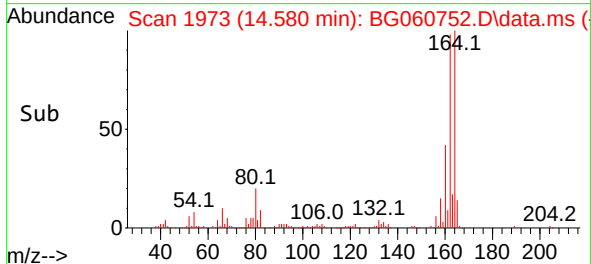
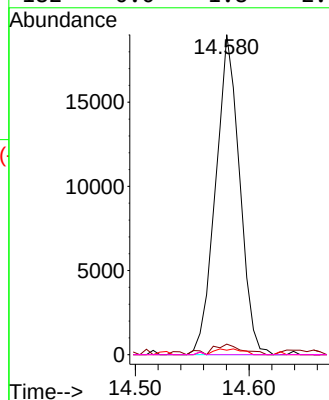
Ion Ratio Lower Upper

165 100

63 3.3 43.4 65.0#

89 1.4 61.0 91.6#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.330 min Scan# 2441

Delta R.T. -0.009 min

Lab File: BG060752.D

Acq: 3 Apr 2024 00:50

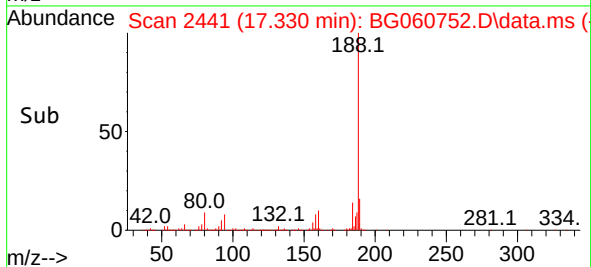
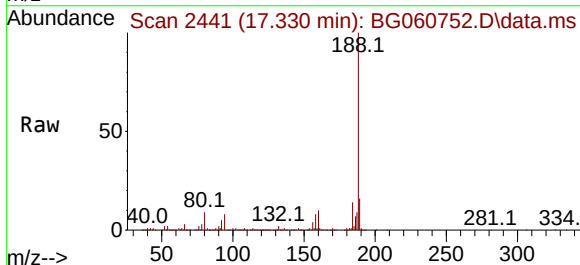
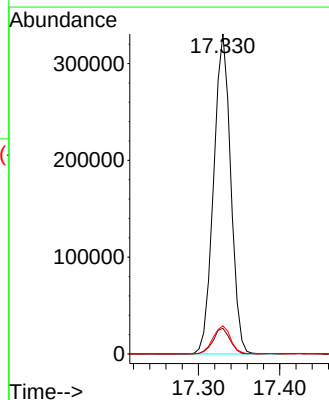
Tgt Ion:188 Resp: 482902

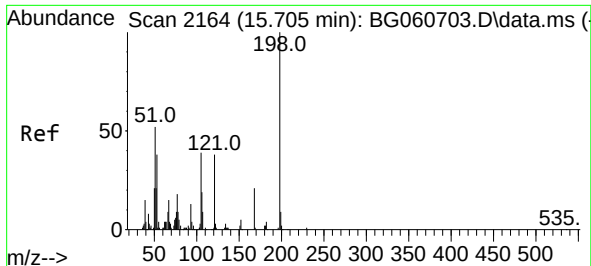
Ion Ratio Lower Upper

188 100

94 8.0 6.6 9.8

80 8.8 7.6 11.4

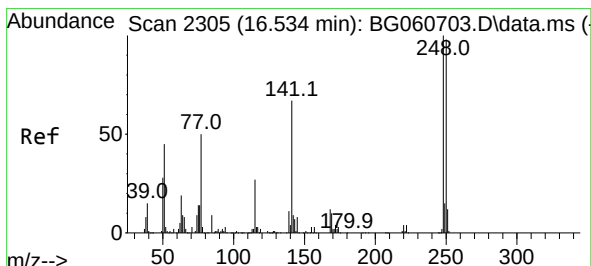
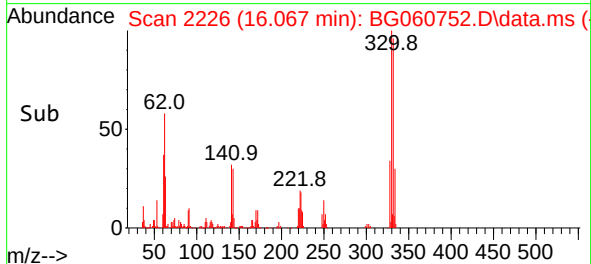
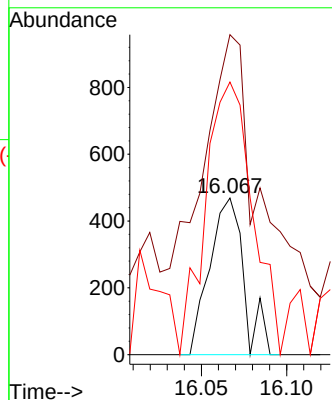
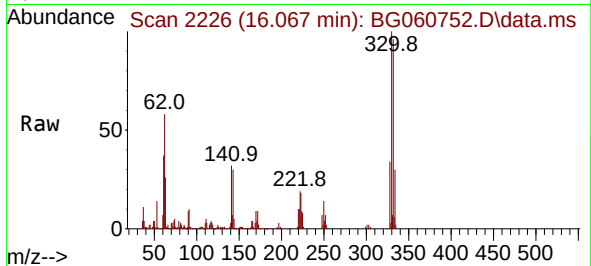




#65
4,6-Dinitro-2-methylphenol
Concen: 7.313 ng
RT: 16.067 min Scan# 2164
Delta R.T. 0.362 min
Lab File: BG060752.D
Acq: 3 Apr 2024 00:50

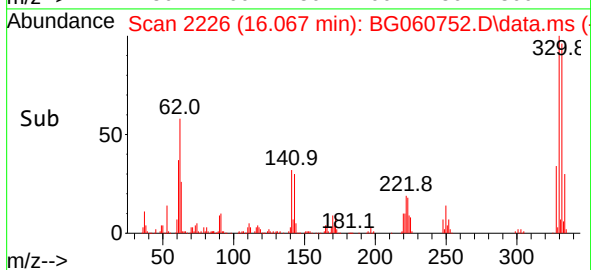
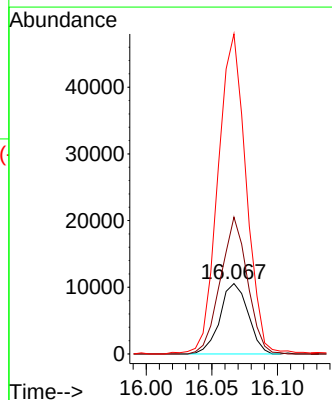
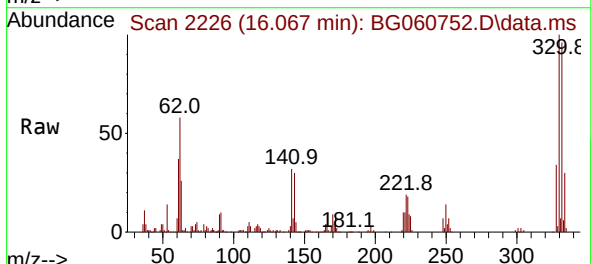
Instrument :
BNA_G
ClientSampleId :
EB-01(0-2)

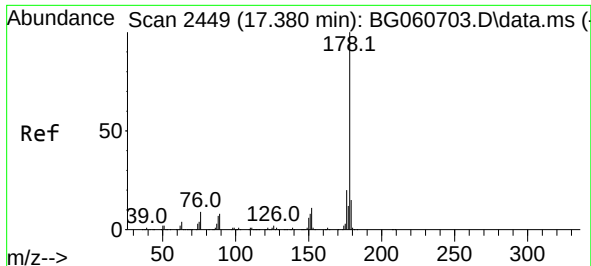
Tgt Ion:198 Resp: 651
Ion Ratio Lower Upper
198 100
51 204.3 36.7 76.7#
105 174.0 19.1 59.1#



#67
4-Bromophenyl-phenylether
Concen: 3.210 ng
RT: 16.067 min Scan# 2226
Delta R.T. -0.467 min
Lab File: BG060752.D
Acq: 3 Apr 2024 00:50

Tgt Ion:248 Resp: 15733
Ion Ratio Lower Upper
248 100
250 194.5 78.3 117.5#
141 454.7 53.7 80.5#

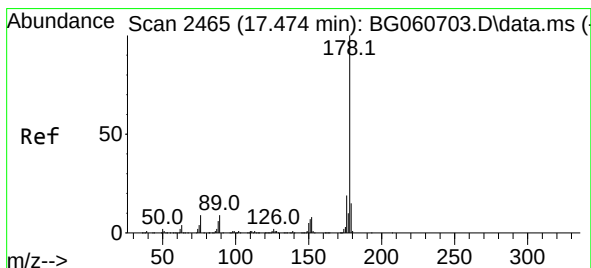
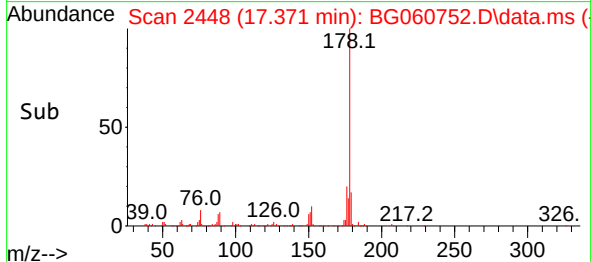
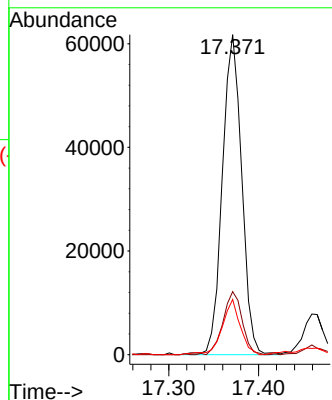
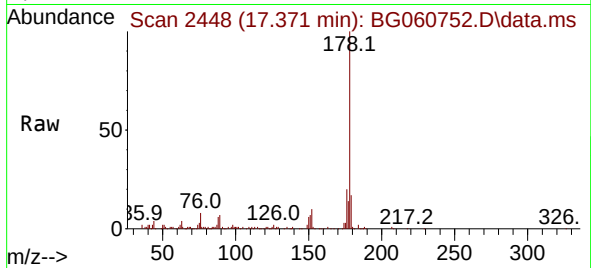




#71
Phenanthrene
Concen: 3.678 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.009 min
Lab File: BG060752.D
Acq: 3 Apr 2024 00:50

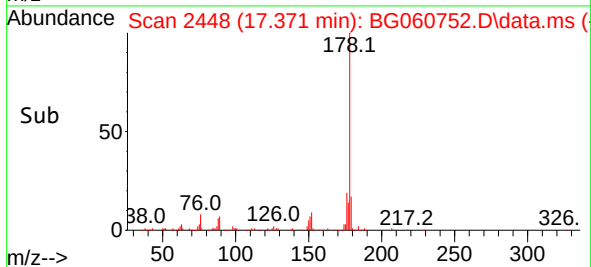
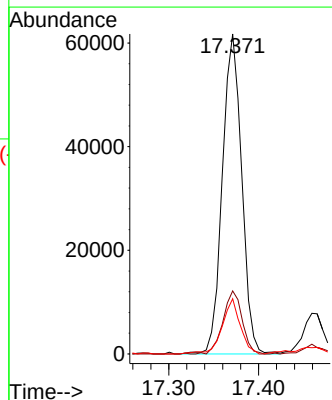
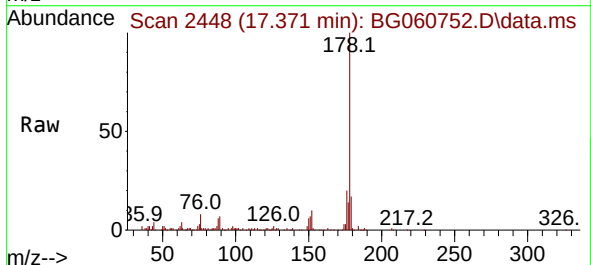
Instrument :
BNA_G
ClientSampleId :
EB-01(0-2)

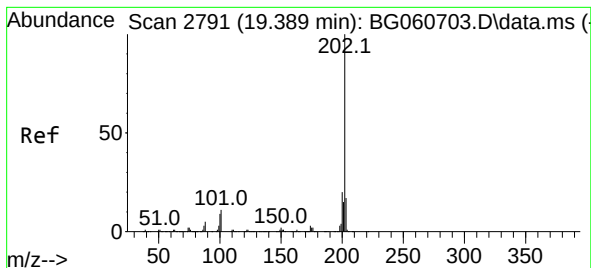
Tgt Ion:178 Resp: 92369
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 17.2 12.2 18.4



#72
Anthracene
Concen: 3.622 ng
RT: 17.371 min Scan# 2448
Delta R.T. -0.103 min
Lab File: BG060752.D
Acq: 3 Apr 2024 00:50

Tgt Ion:178 Resp: 92369
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 17.2 12.2 18.2





#75

Fluoranthene

Concen: 5.346 ng

RT: 19.381 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG060752.D

Acq: 3 Apr 2024 00:50

Instrument :

BNA_G

ClientSampleId :

EB-01(0-2)

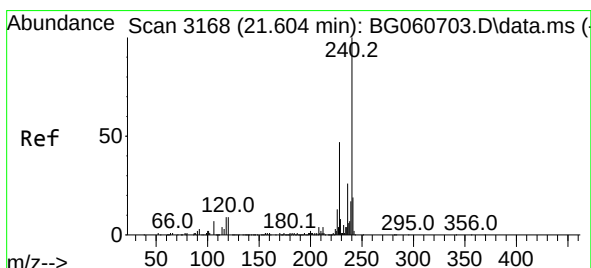
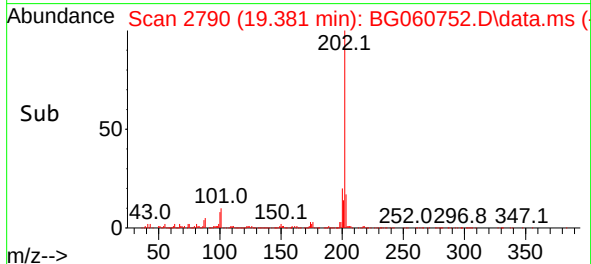
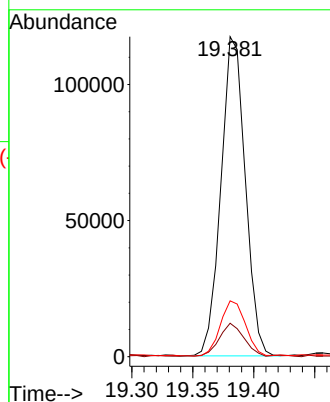
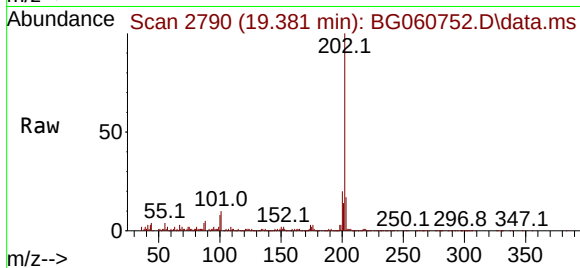
Tgt Ion:202 Resp: 162935

Ion Ratio Lower Upper

202 100

101 10.5 0.0 30.8

203 17.4 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.596 min Scan# 3167

Delta R.T. -0.009 min

Lab File: BG060752.D

Acq: 3 Apr 2024 00:50

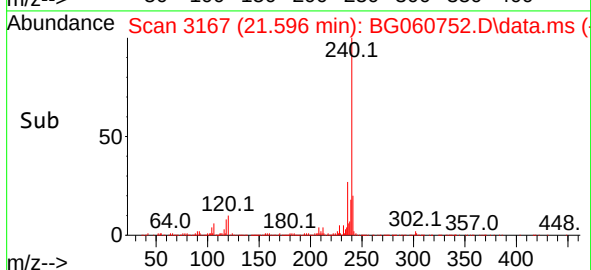
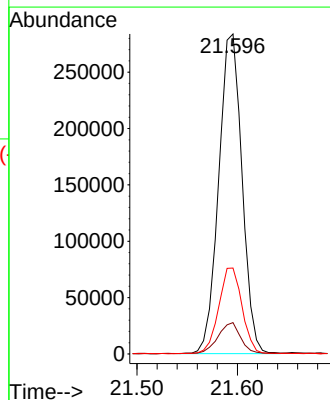
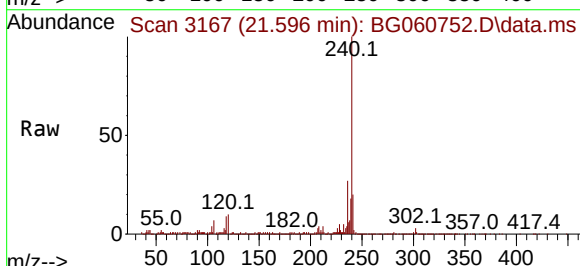
Tgt Ion:240 Resp: 456623

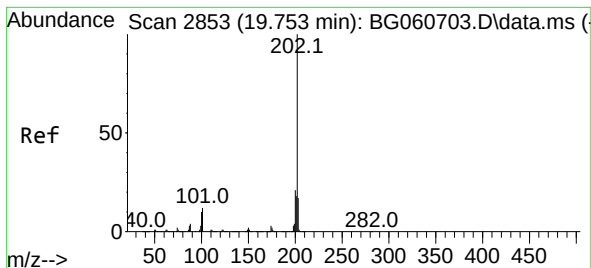
Ion Ratio Lower Upper

240 100

120 9.8 7.1 10.7

236 26.9 20.7 31.1





#78

Pyrene

Concen: 6.169 ng

RT: 19.745 min Scan# 2853

Delta R.T. -0.009 min

Lab File: BG060752.D

Acq: 3 Apr 2024 00:50

Instrument :

BNA_G

ClientSampleId :

EB-01(0-2)

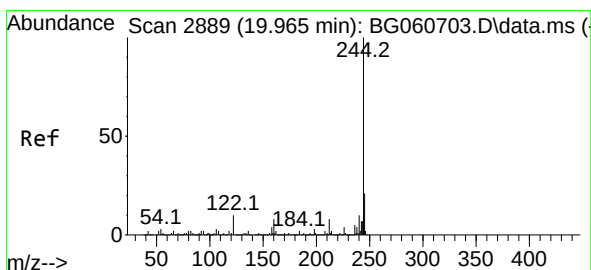
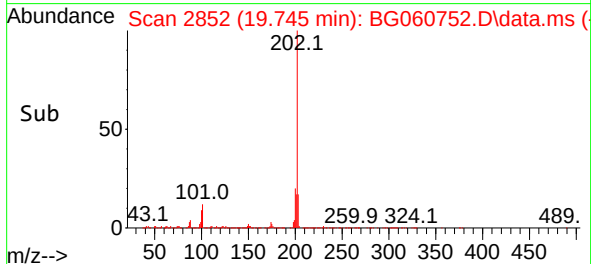
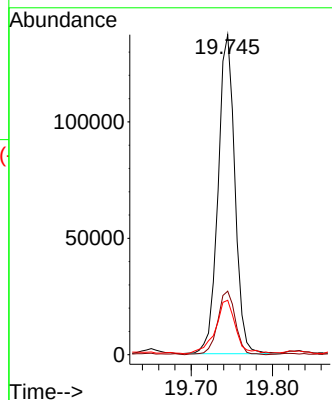
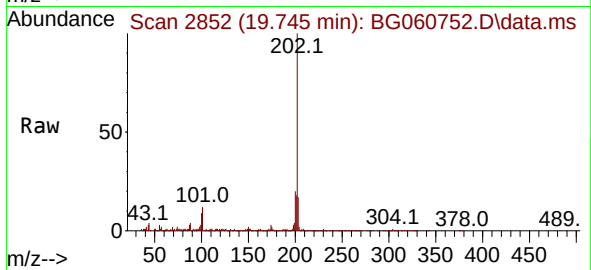
Tgt Ion:202 Resp: 197023

Ion Ratio Lower Upper

202 100

200 19.9 17.0 25.4

203 17.0 14.0 21.0



#79

Terphenyl-d14

Concen: 49.829 ng

RT: 19.956 min Scan# 2888

Delta R.T. -0.009 min

Lab File: BG060752.D

Acq: 3 Apr 2024 00:50

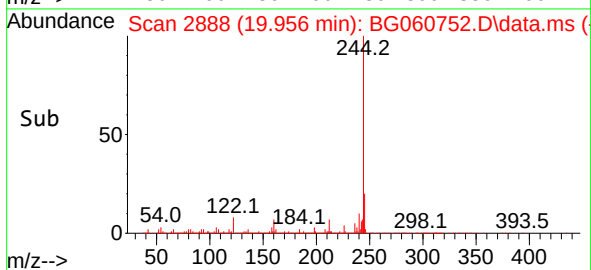
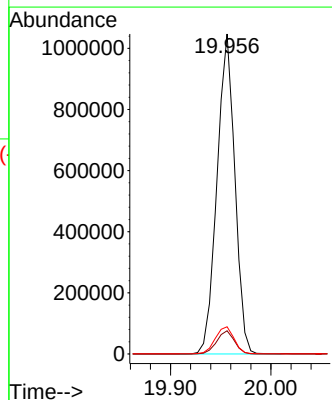
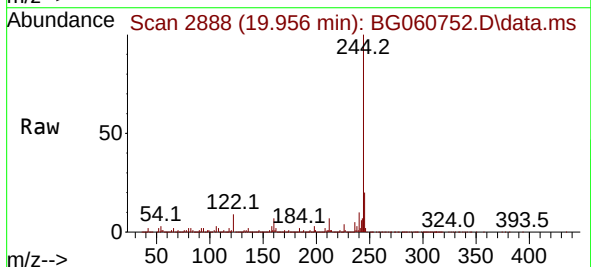
Tgt Ion:244 Resp: 1292177

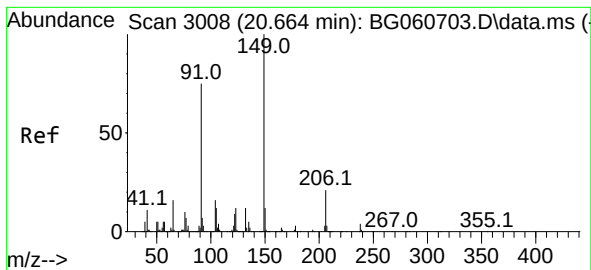
Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

122 8.5 7.8 11.8





#80

Butylbenzylphthalate

Concen: 9.949 ng

RT: 20.656 min Scan# 3007

Delta R.T. -0.009 min

Lab File: BG060752.D

Acq: 3 Apr 2024 00:50

Instrument :

BNA_G

ClientSampleId :

EB-01(0-2)

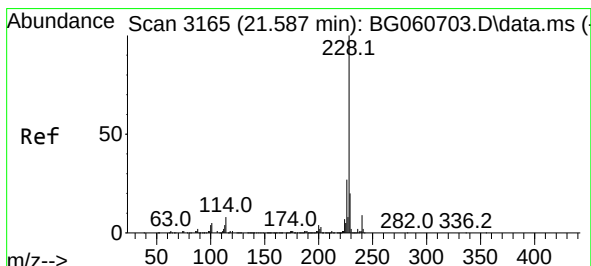
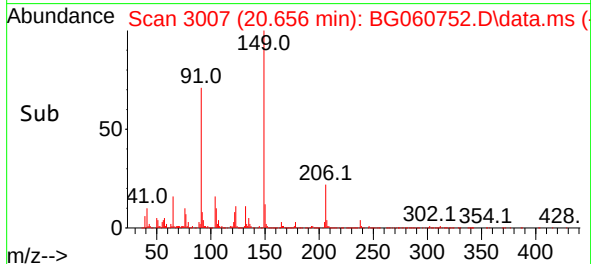
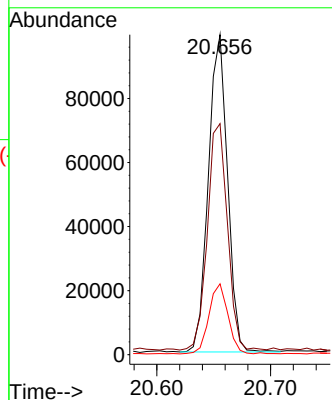
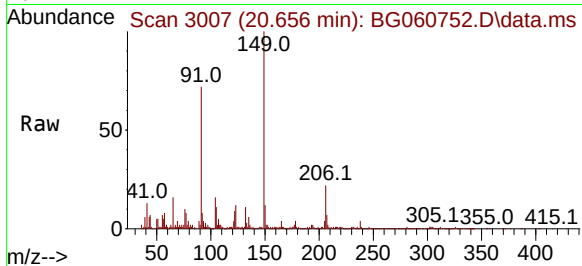
Tgt Ion:149 Resp: 115901

Ion Ratio Lower Upper

149 100

91 72.2 60.1 90.1

206 22.2 16.8 25.2



#81

Benzo(a)anthracene

Concen: 3.334 ng

RT: 21.572 min Scan# 3163

Delta R.T. -0.015 min

Lab File: BG060752.D

Acq: 3 Apr 2024 00:50

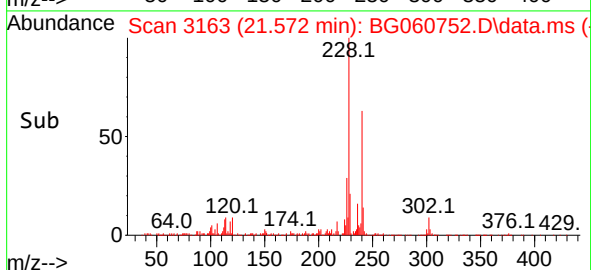
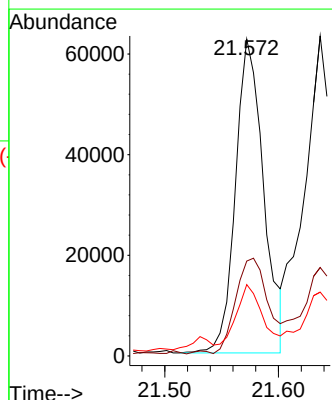
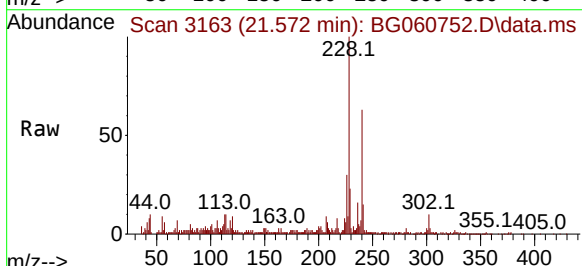
Tgt Ion:228 Resp: 107298

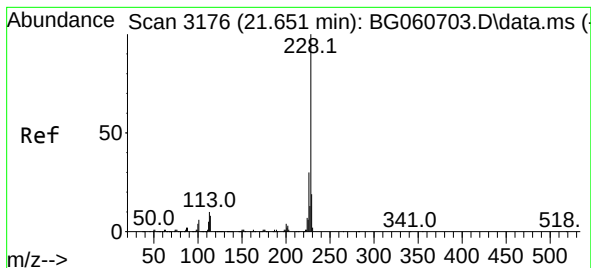
Ion Ratio Lower Upper

228 100

226 29.9 21.7 32.5

229 22.5 15.8 23.8





#83

Chrysene

Concen: 3.601 ng

RT: 21.637 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG060752.D

Acq: 3 Apr 2024 00:50

Instrument :

BNA_G

ClientSampleId :

EB-01(0-2)

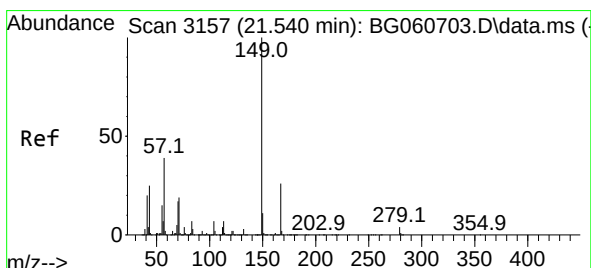
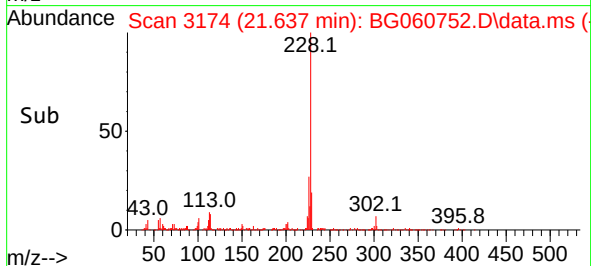
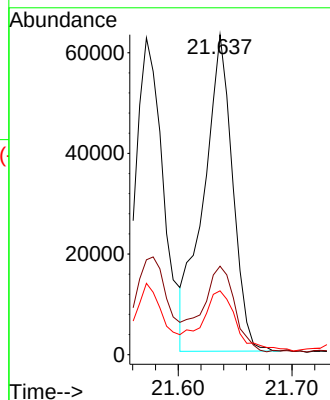
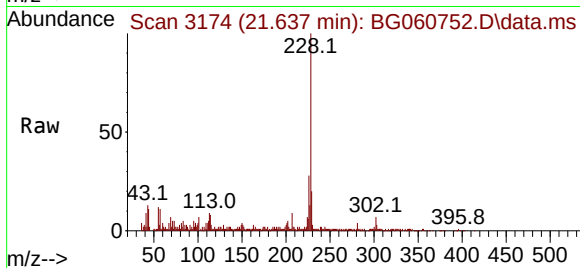
Tgt Ion:228 Resp: 111726

Ion Ratio Lower Upper

228 100

226 27.7 24.2 36.4

229 20.0 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 13.189 ng

RT: 21.525 min Scan# 3155

Delta R.T. -0.015 min

Lab File: BG060752.D

Acq: 3 Apr 2024 00:50

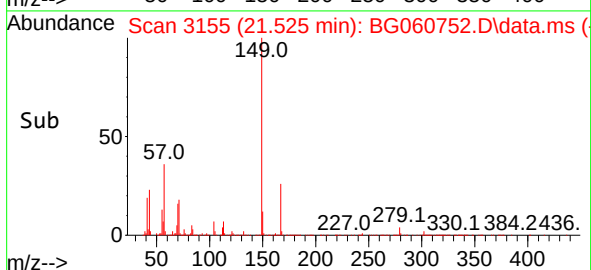
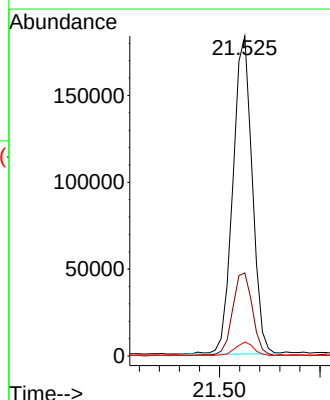
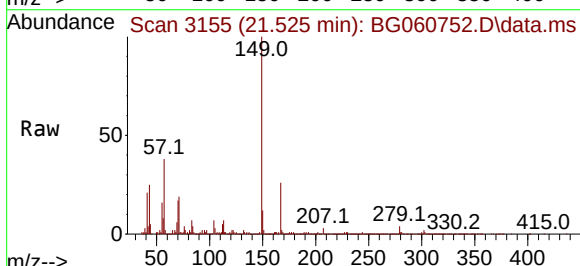
Tgt Ion:149 Resp: 244889

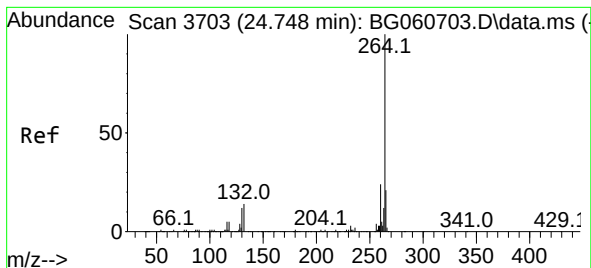
Ion Ratio Lower Upper

149 100

167 25.9 20.6 30.8

279 4.3 3.0 4.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.733 min Scan# 31

Delta R.T. -0.015 min

Lab File: BG060752.D

Acq: 3 Apr 2024 00:50

Instrument :

BNA_G

ClientSampleId :

EB-01(0-2)

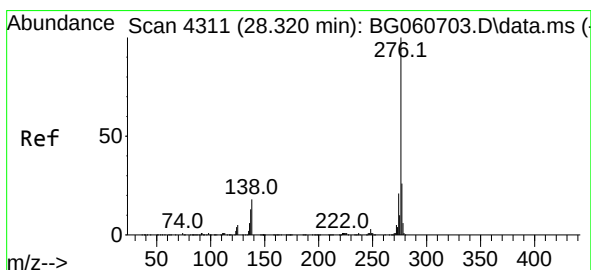
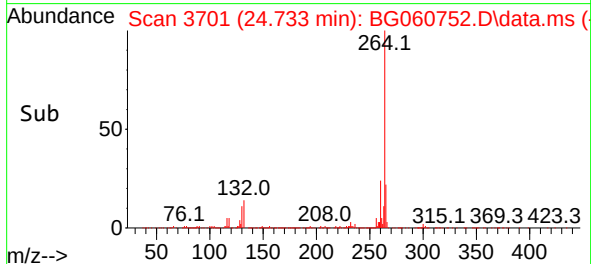
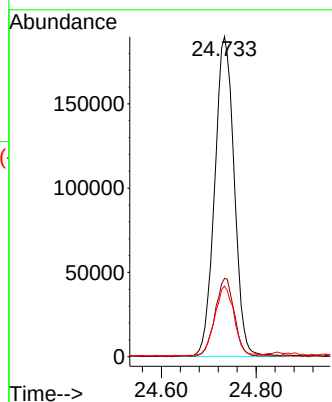
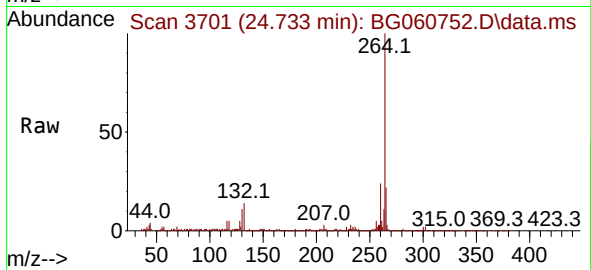
Tgt Ion:264 Resp: 542031

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 22.1 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.047 ng

RT: 28.294 min Scan# 4307

Delta R.T. -0.026 min

Lab File: BG060752.D

Acq: 3 Apr 2024 00:50

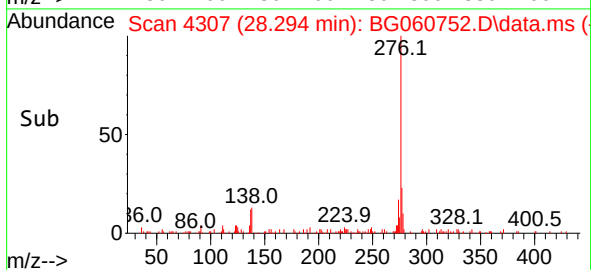
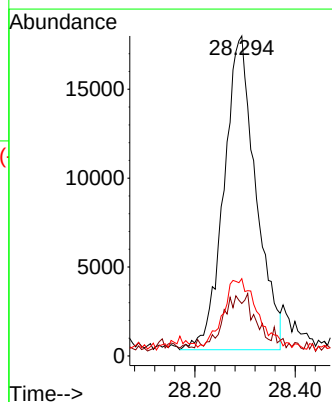
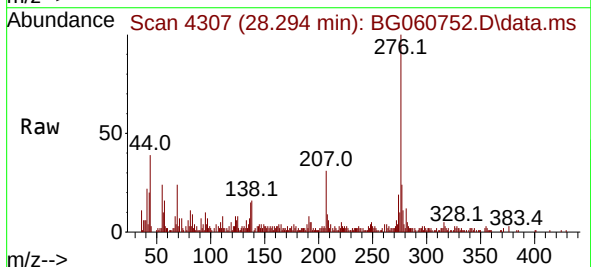
Tgt Ion:276 Resp: 78115

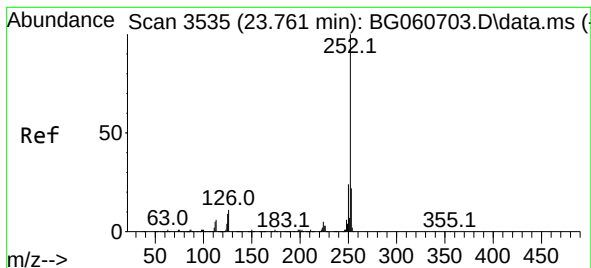
Ion Ratio Lower Upper

276 100

138 17.0 12.4 18.6

277 23.5 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 4.419 ng

RT: 23.740 min Scan# 3532

Delta R.T. -0.020 min

Lab File: BG060752.D

Acq: 3 Apr 2024 00:50

Instrument :

BNA_G

ClientSampleId :

EB-01(0-2)

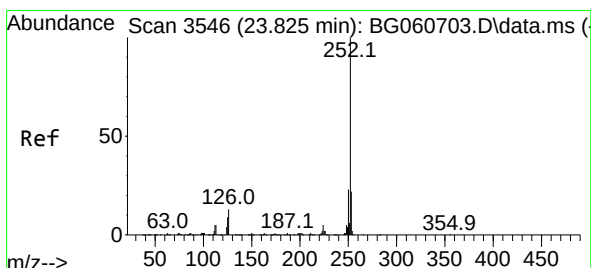
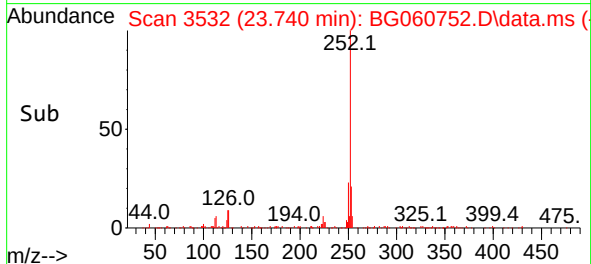
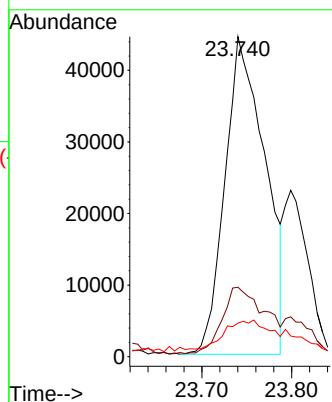
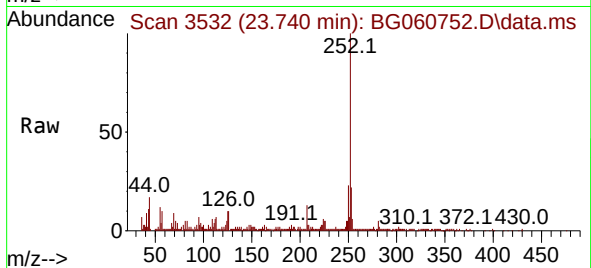
Tgt Ion:252 Resp: 137597

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.8

125 10.5 7.1 10.7



#89

Benzo(k)fluoranthene

Concen: 4.317 ng

RT: 23.740 min Scan# 3532

Delta R.T. -0.085 min

Lab File: BG060752.D

Acq: 3 Apr 2024 00:50

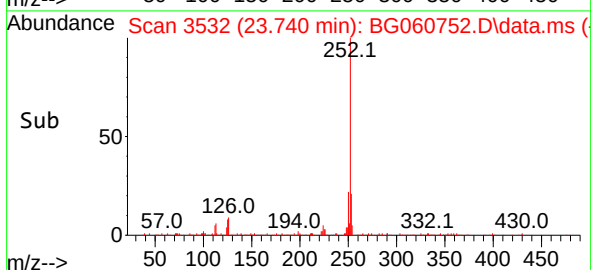
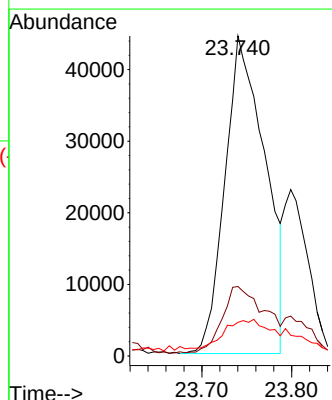
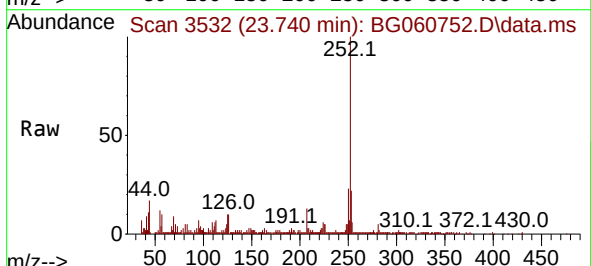
Tgt Ion:252 Resp: 137597

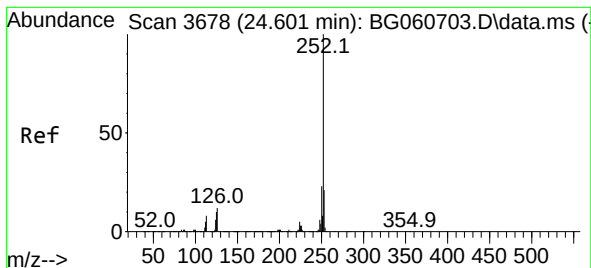
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 10.5 7.5 11.3





#90

Benzo(a)pyrene

Concen: 3.490 ng

RT: 24.580 min Scan# 3

Delta R.T. -0.020 min

Lab File: BG060752.D

Acq: 3 Apr 2024 00:50

Instrument :

BNA_G

ClientSampleId :

EB-01(0-2)

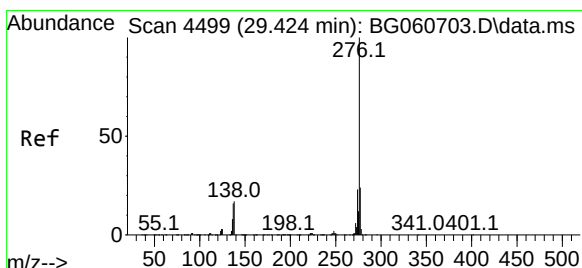
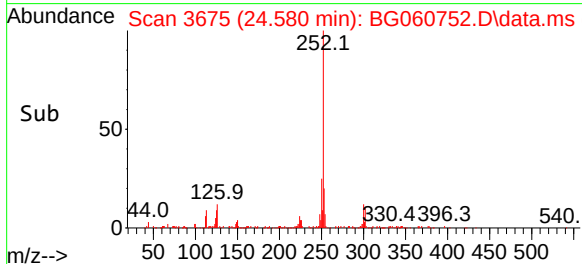
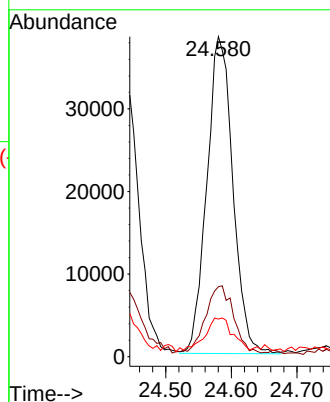
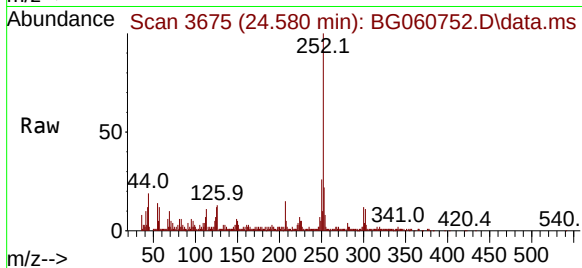
Tgt Ion:252 Resp: 105605

Ion Ratio Lower Upper

252 100

253 21.9 16.8 25.2

125 11.8 7.6 11.4#



#92

Benzo(g,h,i)perylene

Concen: 2.741 ng

RT: 29.392 min Scan# 4494

Delta R.T. -0.032 min

Lab File: BG060752.D

Acq: 3 Apr 2024 00:50

Tgt Ion:276 Resp: 85803

Ion Ratio Lower Upper

276 100

277 28.0 18.9 28.3

138 17.2 14.0 21.0

