

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040224\
 Data File : BG060749.D
 Acq On : 2 Apr 2024 22:48
 Operator : MA/JU
 Sample : P1879-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EB-04(2-4)

Quant Time: Apr 03 00:45:22 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)

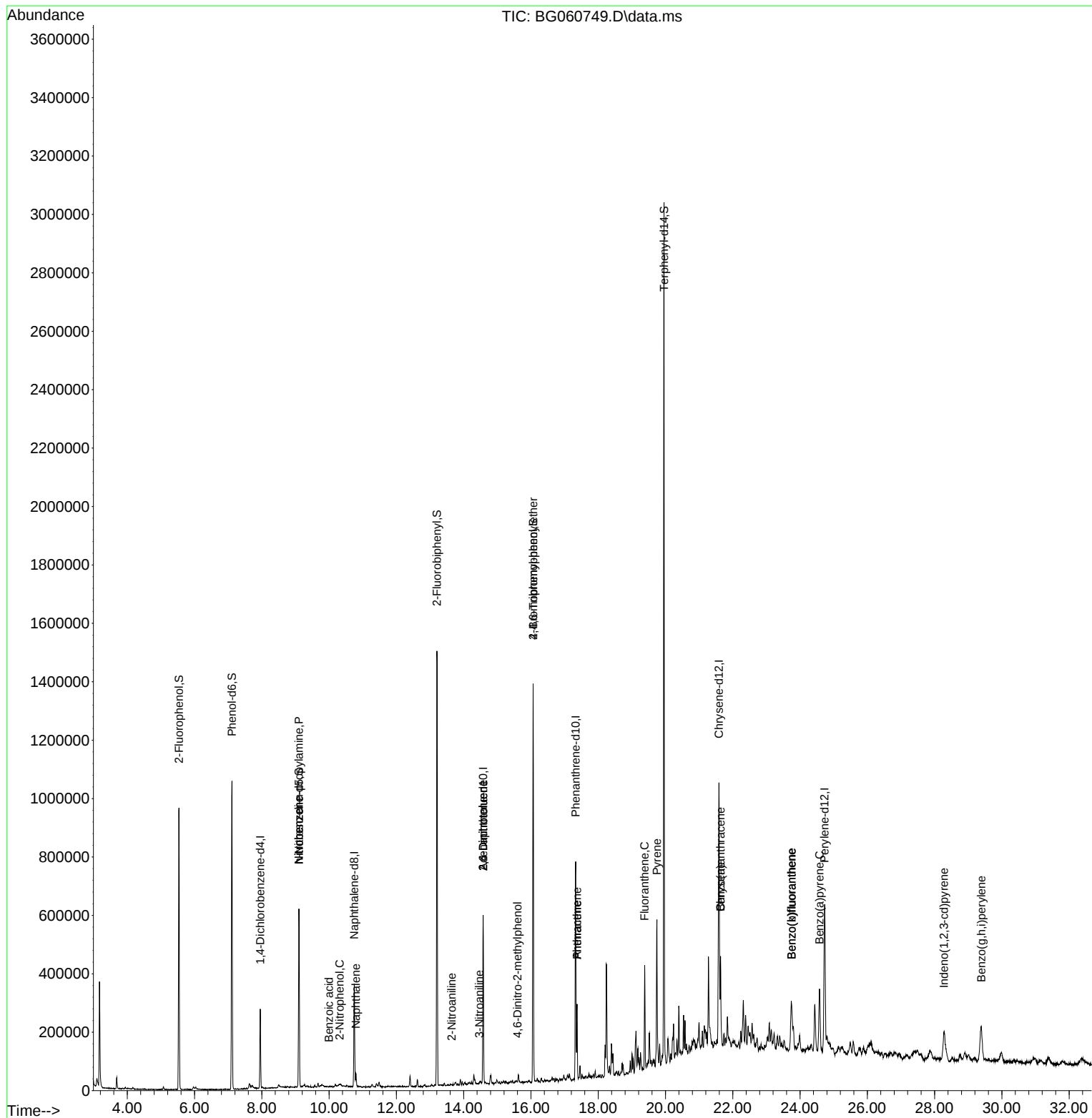
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	70237	20.000	ng	0.00
21) Naphthalene-d8	10.749	136	280376	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	204585	20.000	ng	0.00
64) Phenanthrene-d10	17.330	188	472931	20.000	ng	0.00
76) Chrysene-d12	21.589	240	454817	20.000	ng	-0.01
86) Perylene-d12	24.727	264	532998	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	390606	92.644	ng	0.00
7) Phenol-d6	7.112	99	541645	86.546	ng	0.00
23) Nitrobenzene-d5	9.104	82	323493	65.837	ng	0.00
42) 2,4,6-Tribromophenol	16.067	330	261814	112.736	ng	0.00
45) 2-Fluorobiphenyl	13.205	172	803423	57.635	ng	-0.01
79) Terphenyl-d14	19.956	244	1475173	57.112	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.104	70	44655	9.356	ng	# 79
24) Nitrobenzene	9.104	77	1019	2.948	ng	# 39
26) 2-Nitrophenol	10.314	139	54	2.991	ng	# 1
31) Naphthalene	10.796	128	35962	2.371	ng	98
32) Benzoic acid	9.997	122	57	6.852	ng	# 1
48) 2-Nitroaniline	13.646	65	118	2.826	ng	# 31
51) 2,6-Dinitrotoluene	14.580	165	27071	12.163	ng	# 21
53) 3-Nitroaniline	14.468	138	68	2.871	ng	# 91
57) 2,4-Dinitrotoluene	14.580	165	27071	10.229	ng	# 22
65) 4,6-Dinitro-2-methylph...	15.596	198	59	7.060	ng	# 1
67) 4-Bromophenyl-phenylether	16.067	248	18832	3.924	ng	# 1
71) Phenanthrene	17.371	178	156830	6.376	ng	98
72) Anthracene	17.371	178	156830	6.278	ng	98
75) Fluoranthene	19.380	202	207031	6.937	ng	96
78) Pyrene	19.745	202	310939	9.775	ng	99
81) Benzo(a)anthracene	21.636	228	208350	6.499	ng	93
83) Chrysene	21.636	228	208350	6.743	ng	96
87) Indeno(1,2,3-cd)pyrene	28.276	276	166193	4.428	ng	97
88) Benzo(b)fluoranthene	23.746	252	221304	7.227	ng	98
89) Benzo(k)fluoranthene	23.746	252	221304	7.061	ng	99
90) Benzo(a)pyrene	24.580	252	218340	7.337	ng	95
92) Benzo(g,h,i)perylene	29.386	276	225160	7.315	ng	96

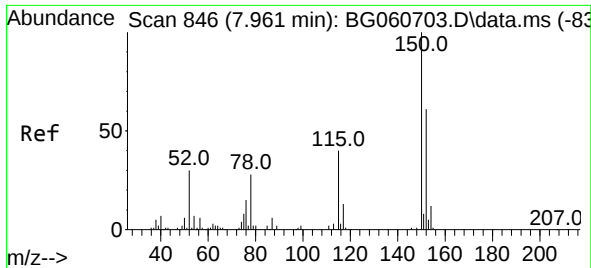
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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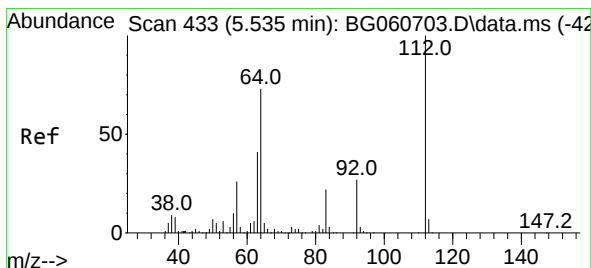
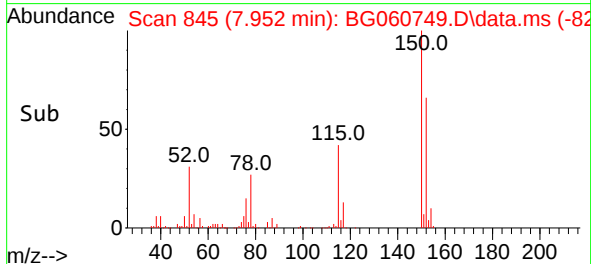
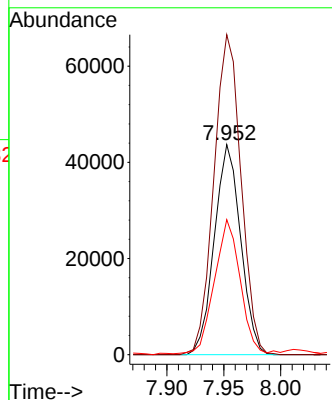
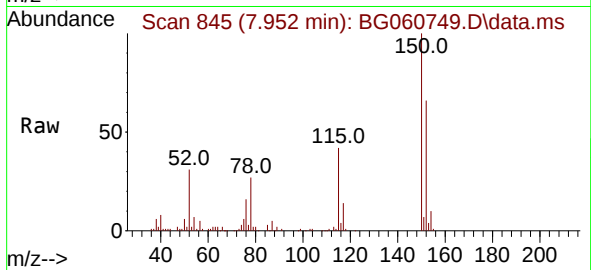




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.952 min Scan# 846
Delta R.T. -0.009 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

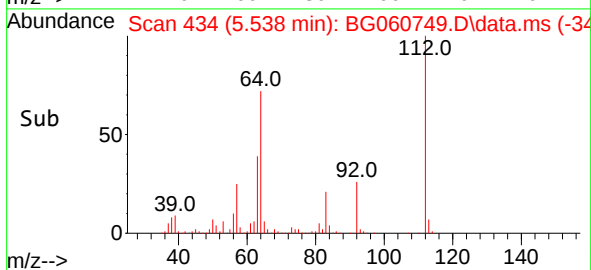
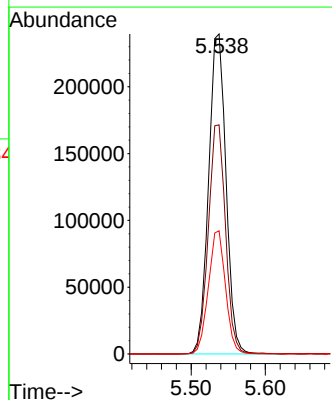
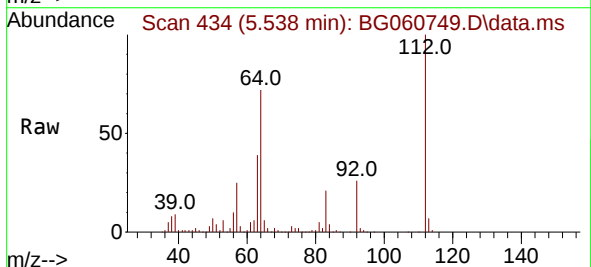
Instrument :
BNA_G
ClientSampleId :
EB-04(2-4)

Tgt Ion:152 Resp: 70237
Ion Ratio Lower Upper
152 100
150 152.3 130.2 195.4
115 64.3 51.6 77.4



#5
2-Fluorophenol
Concen: 92.644 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.003 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

Tgt Ion:112 Resp: 390606
Ion Ratio Lower Upper
112 100
64 71.6 58.4 87.6
63 38.5 32.7 49.1





#7
Phenol-d6
Concen: 86.546 ng
RT: 7.112 min Scan# 70
Delta R.T. -0.003 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

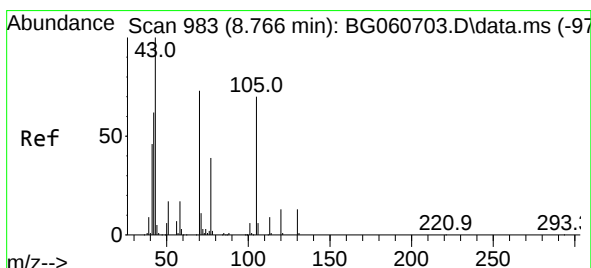
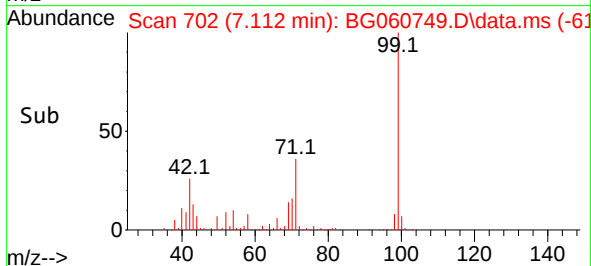
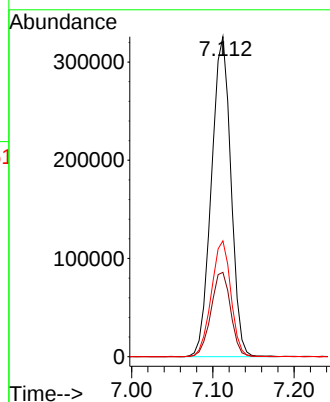
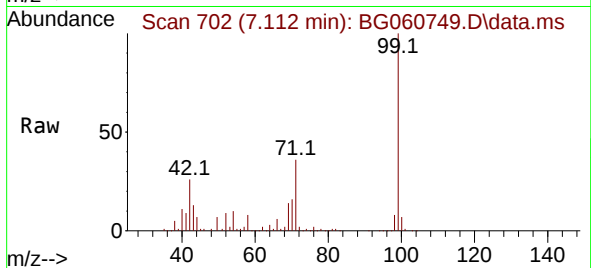
Instrument :

BNA_G

ClientSampleId :

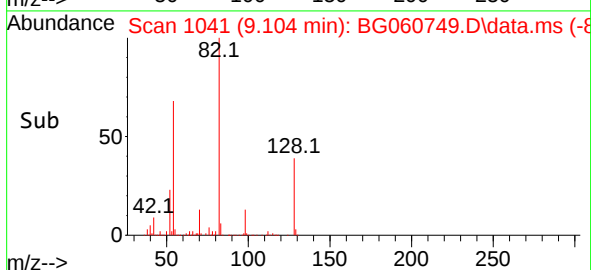
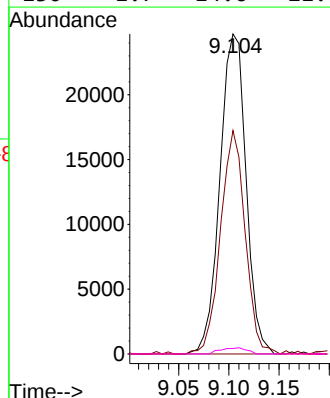
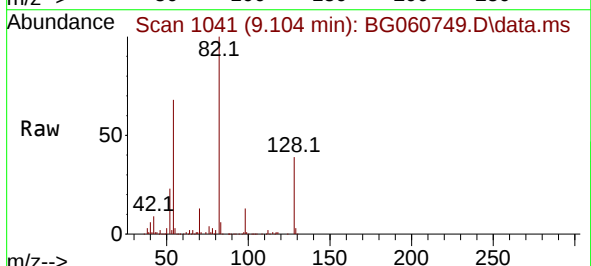
EB-04(2-4)

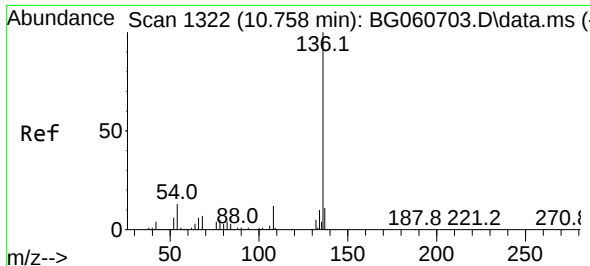
Tgt Ion: 99 Resp: 541645
Ion Ratio Lower Upper
99 100
42 26.3 19.4 29.2
71 36.2 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.356 ng
RT: 9.104 min Scan# 1041
Delta R.T. 0.338 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

Tgt Ion: 70 Resp: 44655
Ion Ratio Lower Upper
70 100
42 69.8 68.4 102.6
101 0.0 6.1 9.1#
130 1.7 14.6 21.8#

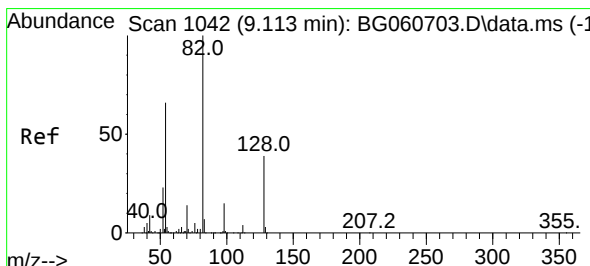
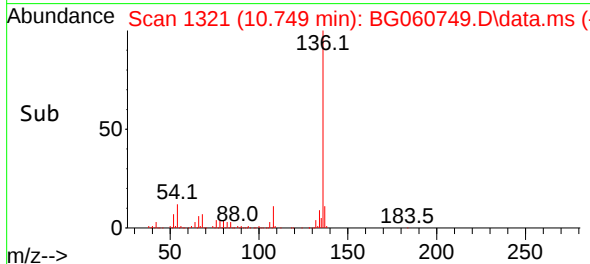
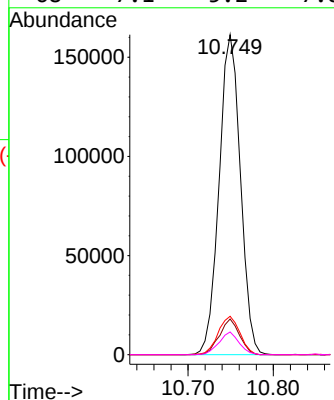
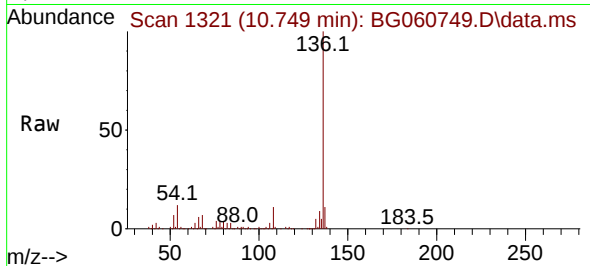




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.749 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

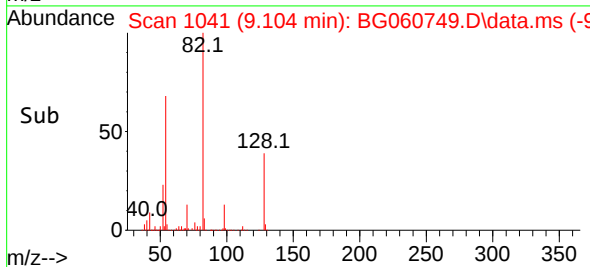
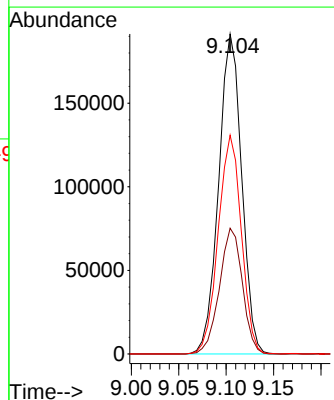
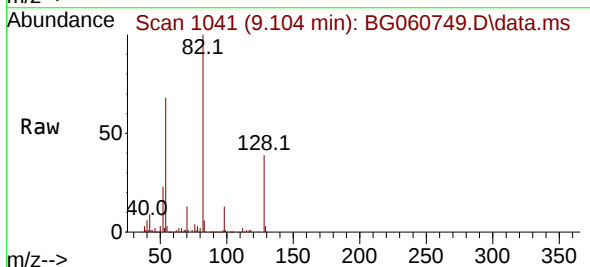
Instrument :
BNA_G
ClientSampleId :
EB-04(2-4)

Tgt Ion:	136	Resp:	280376
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	12.0	10.2	15.2
68	7.1	5.2	7.8



#23
Nitrobenzene-d5
Concen: 65.837 ng
RT: 9.104 min Scan# 1041
Delta R.T. -0.009 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

Tgt Ion:	82	Resp:	323493
Ion	Ratio	Lower	Upper
82	100		
128	39.3	31.2	46.8
54	68.3	53.2	79.8

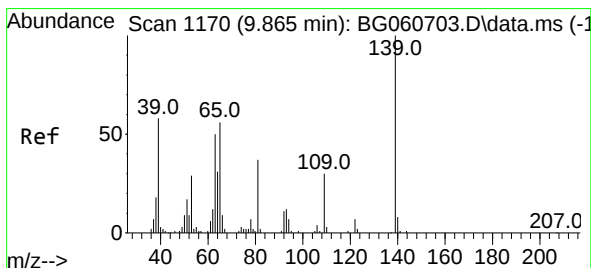
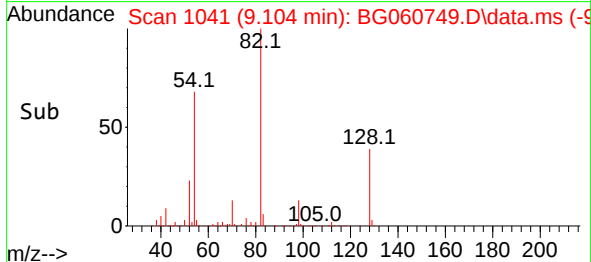
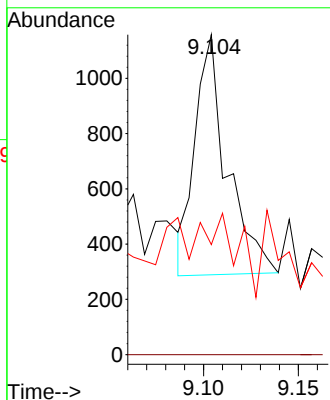
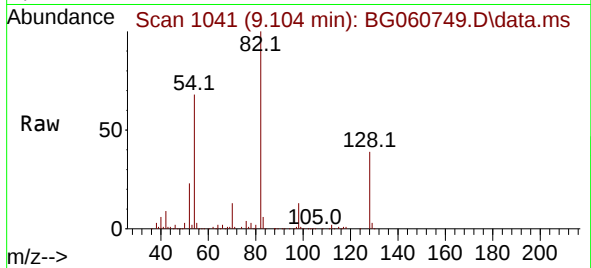




#24
 Nitrobenzene
 Concen: 2.948 ng
 RT: 9.104 min Scan# 1049
 Delta R.T. -0.050 min
 Lab File: BG060749.D
 Acq: 2 Apr 2024 22:48

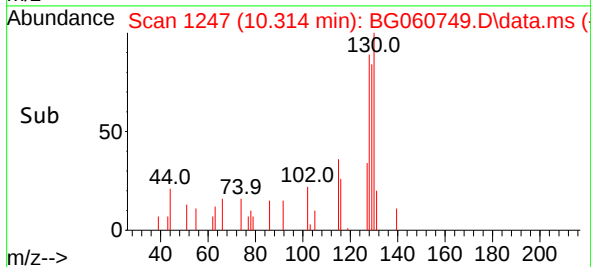
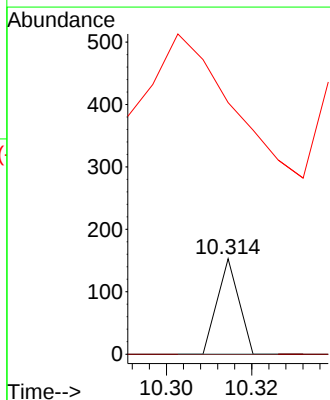
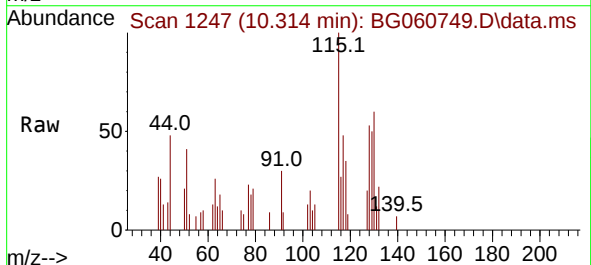
Instrument :
 BNA_G
 ClientSampleId :
 EB-04(2-4)

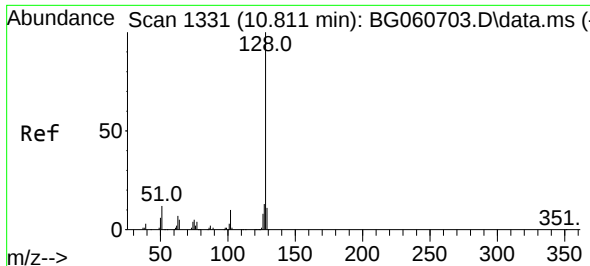
Tgt Ion: 77 Resp: 1019
 Ion Ratio Lower Upper
 77 100
 123 0.0 32.7 49.1#
 65 34.4 11.3 16.9#



#26
 2-Nitrophenol
 Concen: 2.991 ng
 RT: 10.314 min Scan# 1247
 Delta R.T. 0.449 min
 Lab File: BG060749.D
 Acq: 2 Apr 2024 22:48

Tgt Ion: 139 Resp: 54
 Ion Ratio Lower Upper
 139 100
 109 0.0 23.9 35.9#
 65 263.4 44.5 66.7#

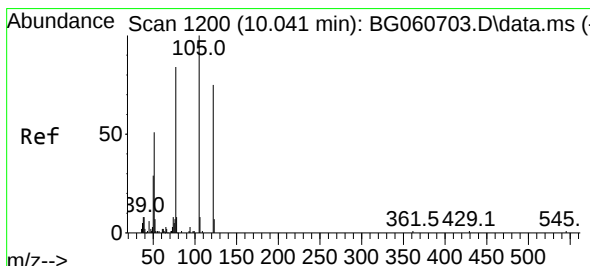
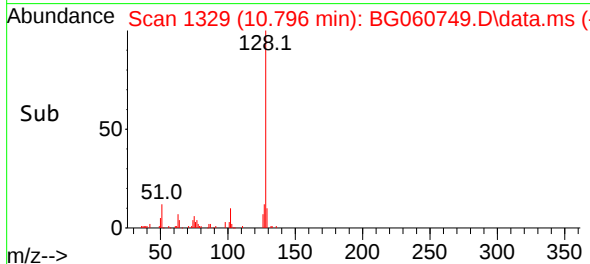
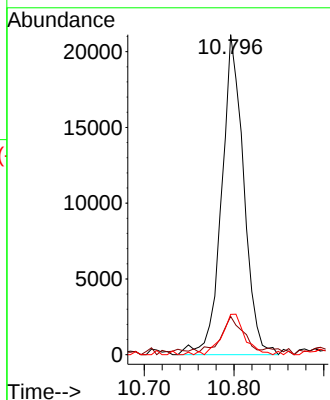
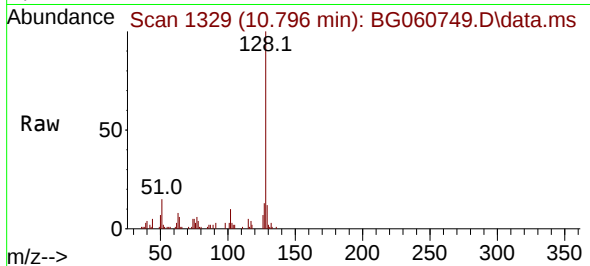




#31
Naphthalene
Concen: 2.371 ng
RT: 10.796 min Scan# 1193
Delta R.T. -0.015 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

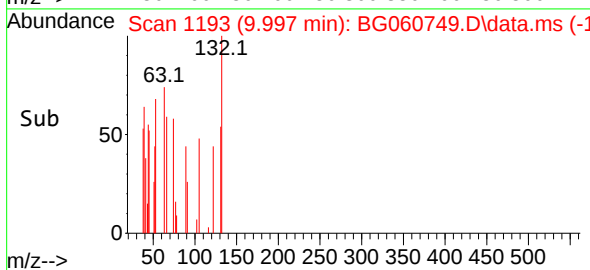
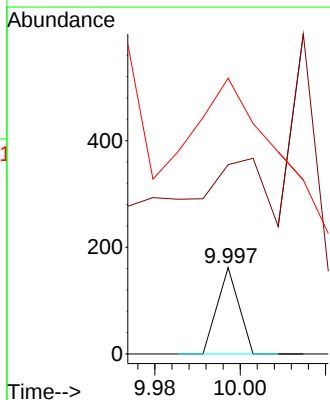
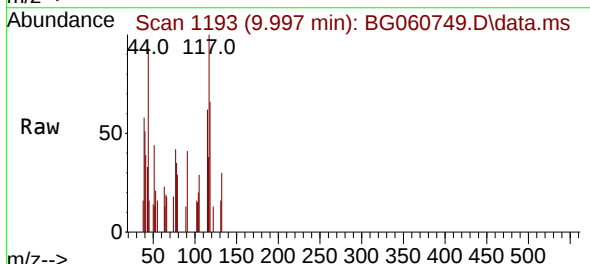
Instrument :
BNA_G
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EB-04(2-4)

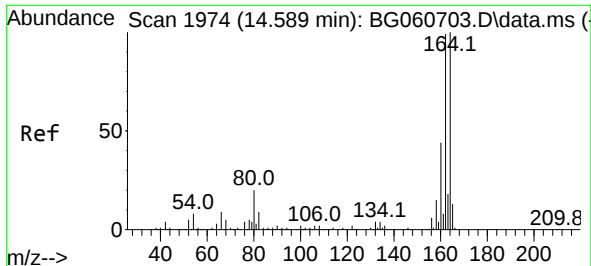
Tgt Ion:128 Resp: 35962
Ion Ratio Lower Upper
128 100
129 12.0 8.5 12.7
127 12.6 10.5 15.7



#32
Benzoic acid
Concen: 6.852 ng
RT: 9.997 min Scan# 1193
Delta R.T. -0.044 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

Tgt Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 219.1 104.5 144.5#
77 319.1 85.3 125.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.580 min Scan# 1974

Delta R.T. -0.009 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

Instrument :

BNA_G

ClientSampleId :

EB-04(2-4)

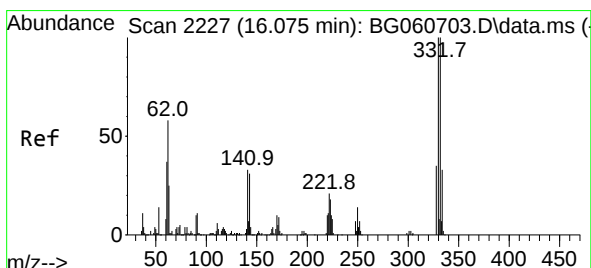
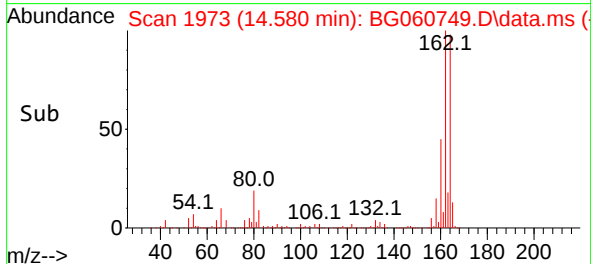
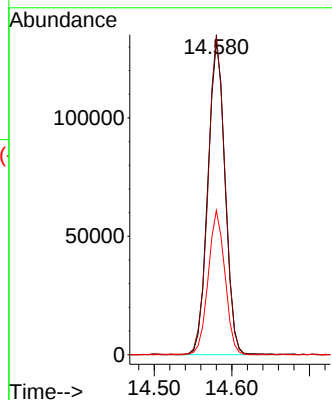
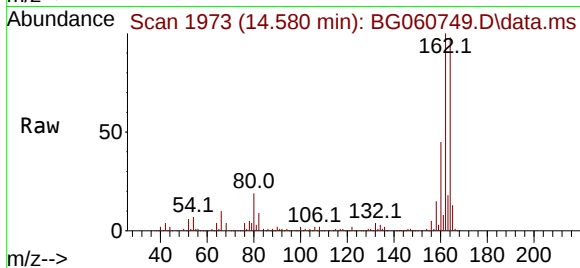
Tgt Ion:164 Resp: 204585

Ion Ratio Lower Upper

164 100

162 102.4 79.5 119.3

160 46.2 35.4 53.0



#42

2,4,6-Tribromophenol

Concen: 112.736 ng

RT: 16.067 min Scan# 2226

Delta R.T. -0.009 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

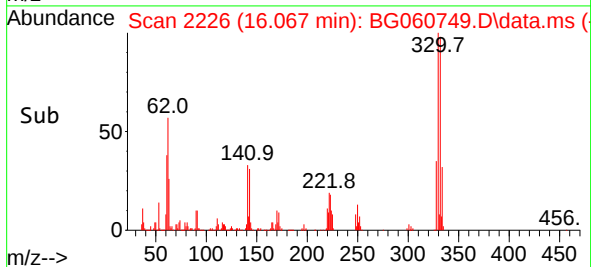
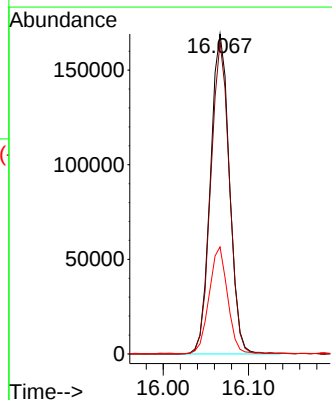
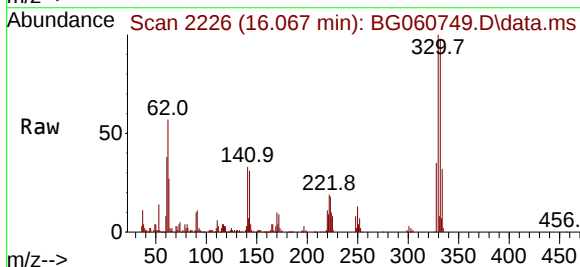
Tgt Ion:330 Resp: 261814

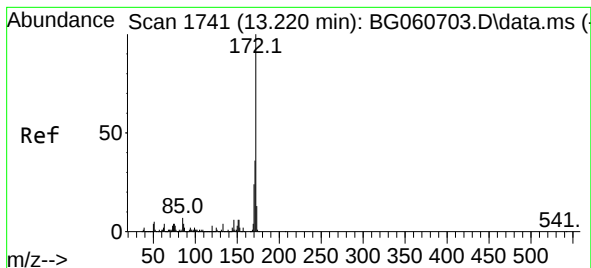
Ion Ratio Lower Upper

330 100

332 95.9 78.2 117.4

141 32.1 27.0 40.6





#45

2-Fluorobiphenyl

Concen: 57.635 ng

RT: 13.205 min Scan# 1

Delta R.T. -0.015 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

Instrument :

BNA_G

ClientSampleId :

EB-04(2-4)

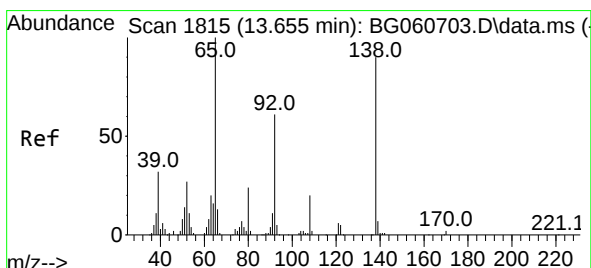
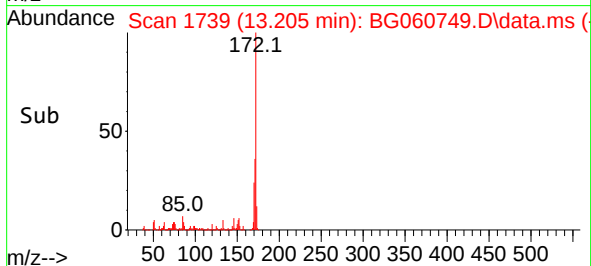
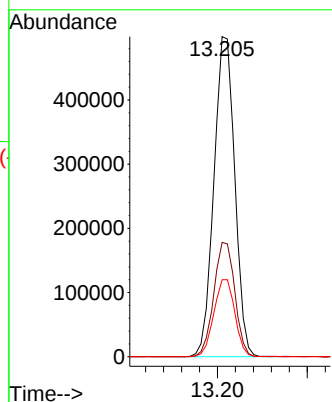
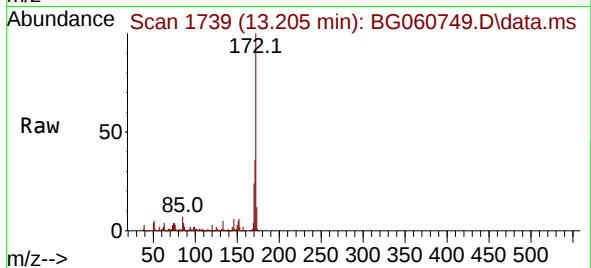
Tgt Ion:172 Resp: 803423

Ion Ratio Lower Upper

172 100

171 35.7 28.7 43.1

170 24.0 19.4 29.0



#48

2-Nitroaniline

Concen: 2.826 ng

RT: 13.646 min Scan# 1814

Delta R.T. -0.009 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

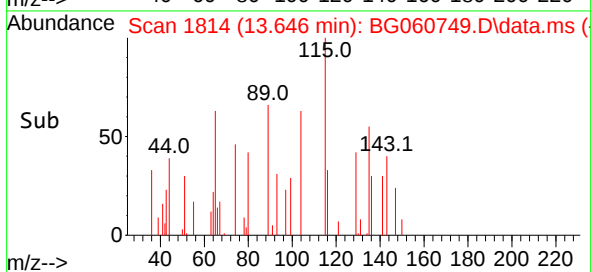
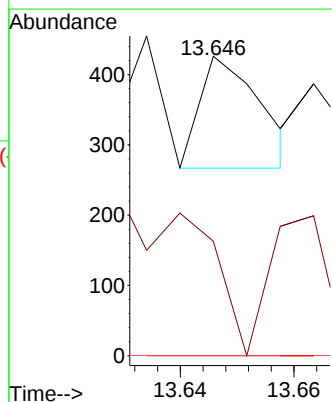
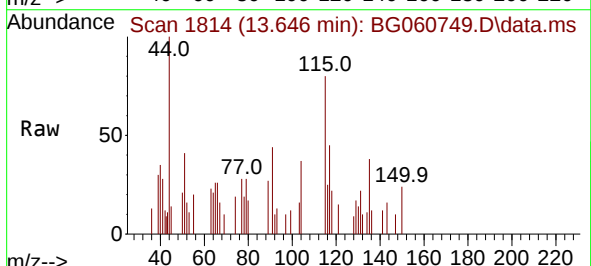
Tgt Ion: 65 Resp: 118

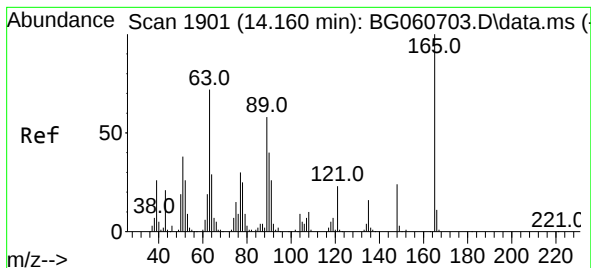
Ion Ratio Lower Upper

65 100

92 38.3 48.6 72.8#

138 0.0 72.2 108.4#





#51

2,6-Dinitrotoluene

Concen: 12.163 ng

RT: 14.580 min Scan# 1901

Delta R.T. 0.420 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

Instrument :

BNA_G

ClientSampleId :

EB-04(2-4)

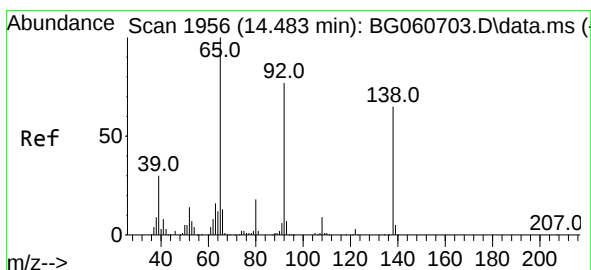
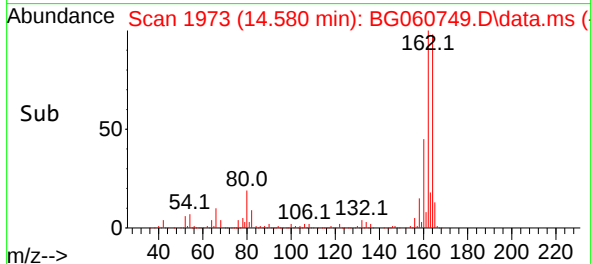
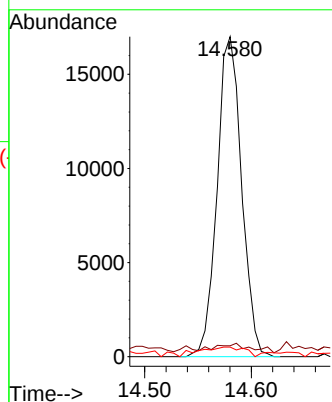
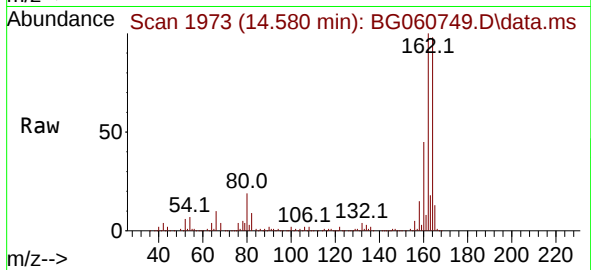
Tgt Ion:165 Resp: 27071

Ion Ratio Lower Upper

165 100

63 3.4 58.2 87.4#

89 3.0 46.1 69.1#



#53

3-Nitroaniline

Concen: 2.871 ng

RT: 14.468 min Scan# 1954

Delta R.T. -0.015 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

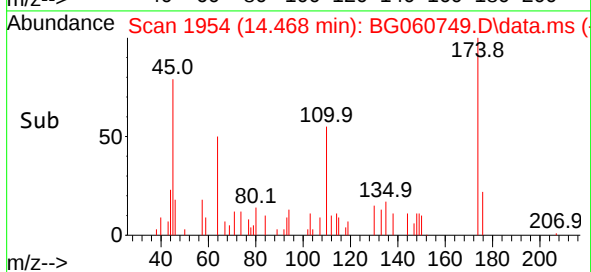
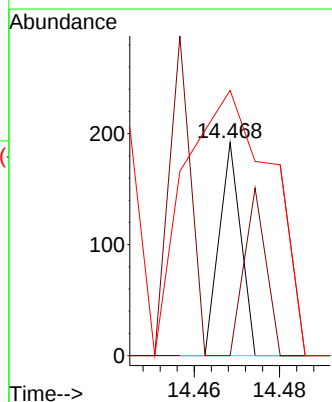
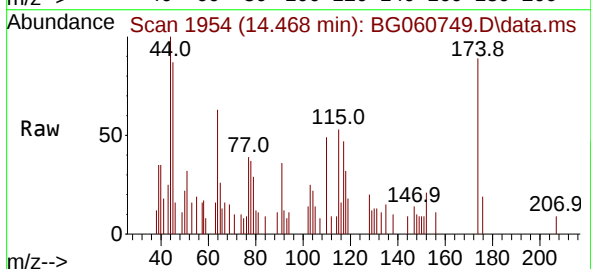
Tgt Ion:138 Resp: 68

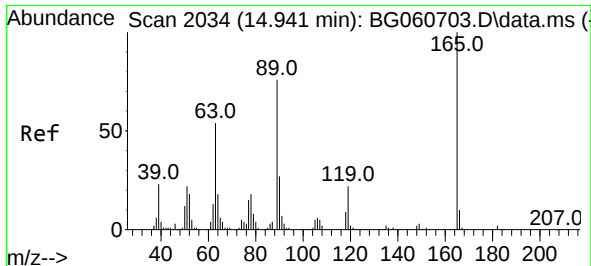
Ion Ratio Lower Upper

138 100

108 0.0 11.3 16.9#

92 124.5 94.1 141.1





#57

2,4-Dinitrotoluene

Concen: 10.229 ng

RT: 14.580 min Scan# 1973

Delta R.T. -0.361 min

Lab File: BG060749.D

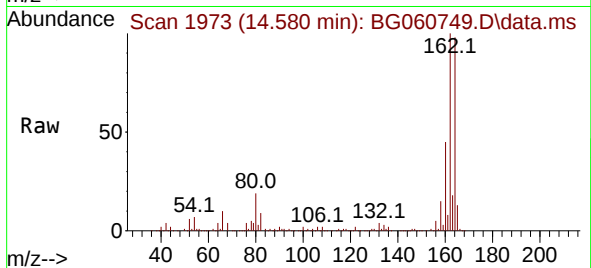
Acq: 2 Apr 2024 22:48

Instrument :

BNA_G

ClientSampleId :

EB-04(2-4)



Tgt Ion:165 Resp: 27071

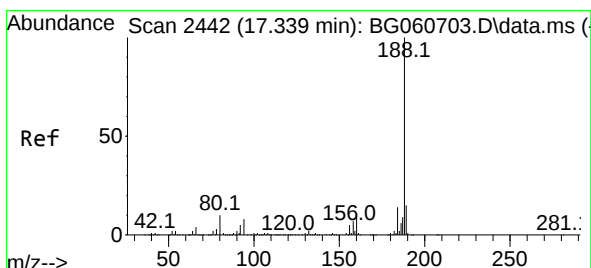
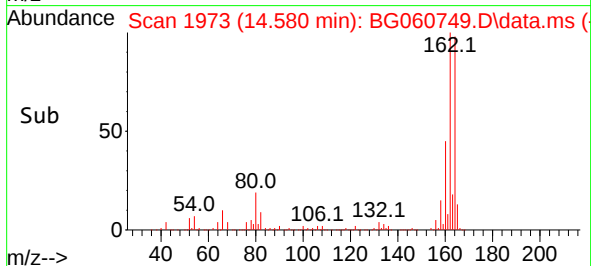
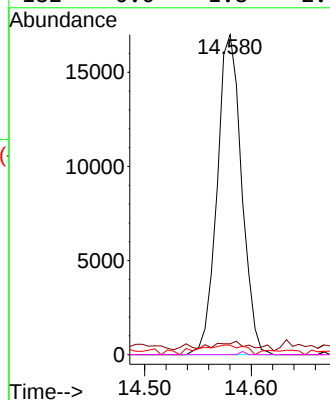
Ion Ratio Lower Upper

165 100

63 3.4 43.4 65.0#

89 3.0 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: BG060749.D

Acq: 2 Apr 2024 22:48

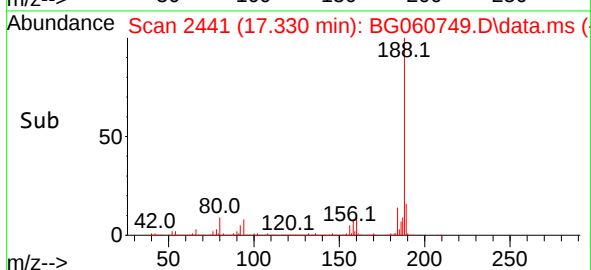
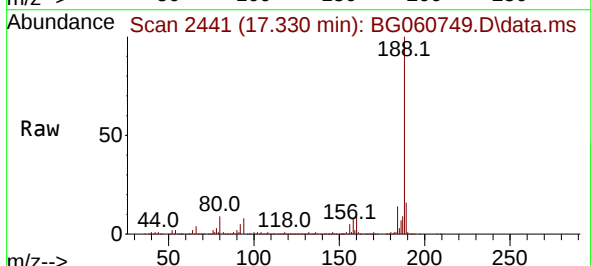
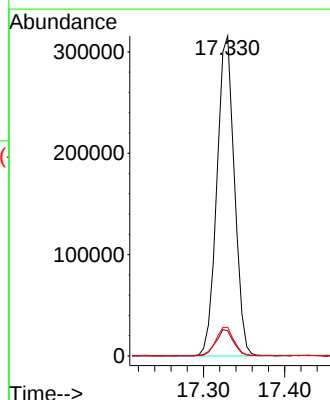
Tgt Ion:188 Resp: 472931

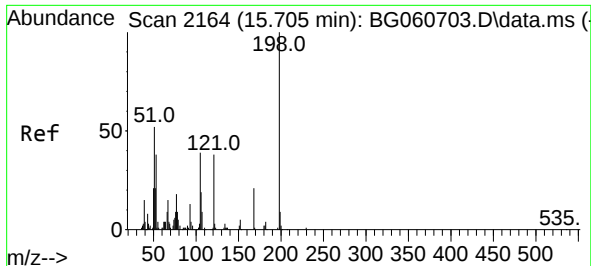
Ion Ratio Lower Upper

188 100

94 7.9 6.6 9.8

80 8.9 7.6 11.4

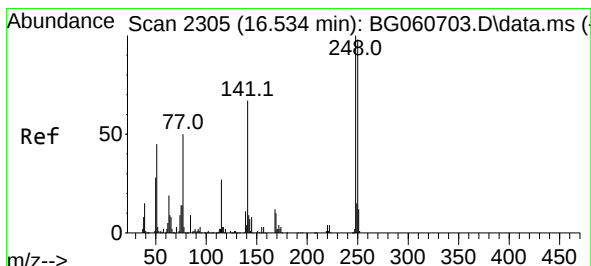
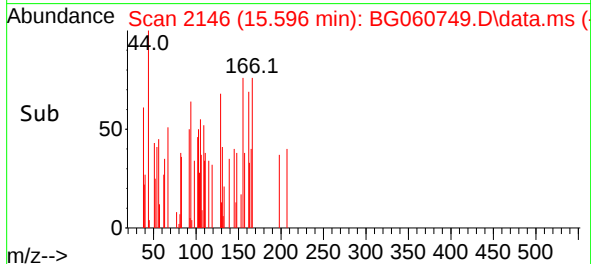
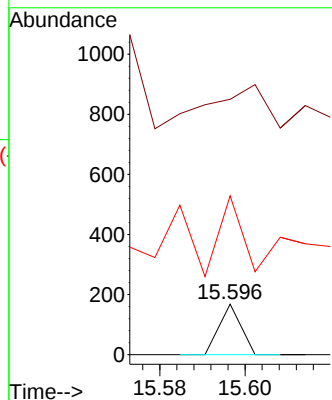
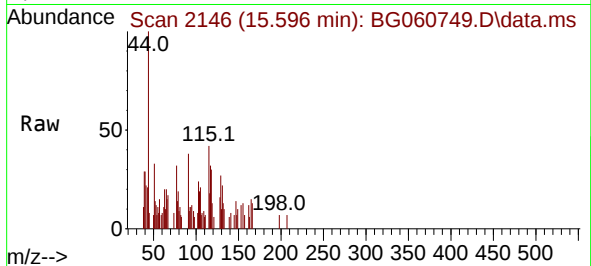




#65
4,6-Dinitro-2-methylphenol
Concen: 7.060 ng
RT: 15.596 min Scan# 2164
Delta R.T. -0.109 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

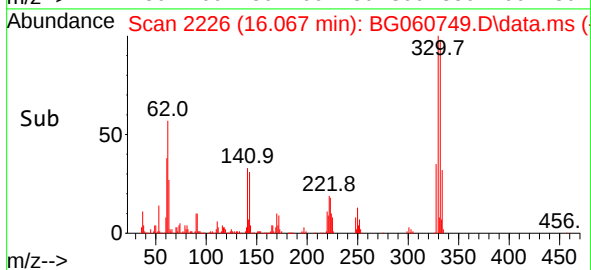
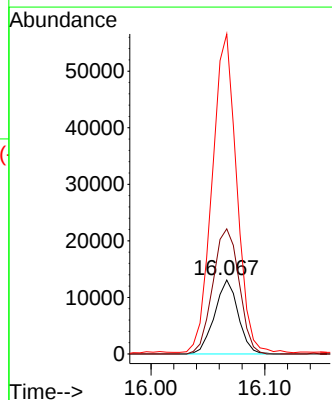
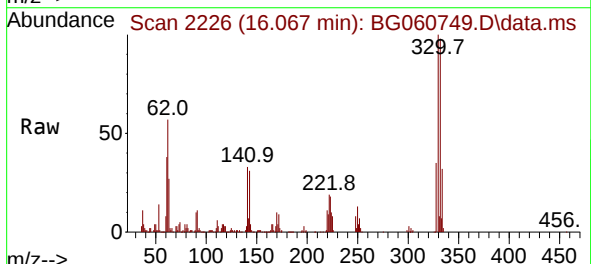
Instrument :
BNA_G
ClientSampleId :
EB-04(2-4)

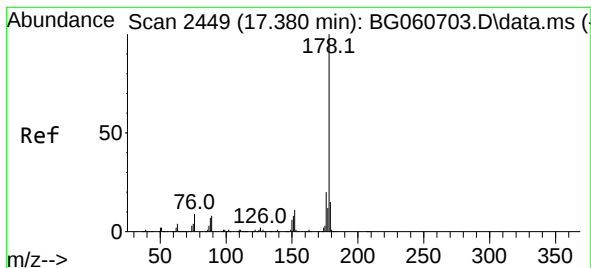
Tgt Ion:198 Resp: 59
Ion Ratio Lower Upper
198 100
51 506.0 36.7 76.7#
105 314.9 19.1 59.1#



#67
4-Bromophenyl-phenylether
Concen: 3.924 ng
RT: 16.067 min Scan# 2226
Delta R.T. -0.467 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

Tgt Ion:248 Resp: 18832
Ion Ratio Lower Upper
248 100
250 169.4 78.3 117.5#
141 433.0 53.7 80.5#





#71

Phenanthrene

Concen: 6.376 ng

RT: 17.371 min Scan# 2448

Delta R.T. -0.009 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

Instrument :

BNA_G

ClientSampleId :

EB-04(2-4)

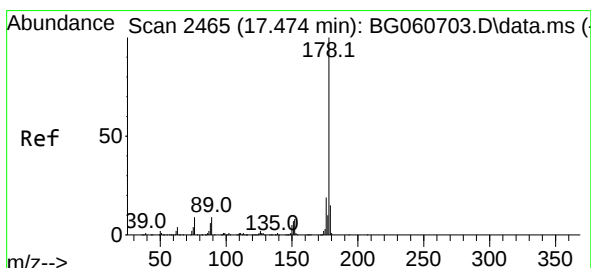
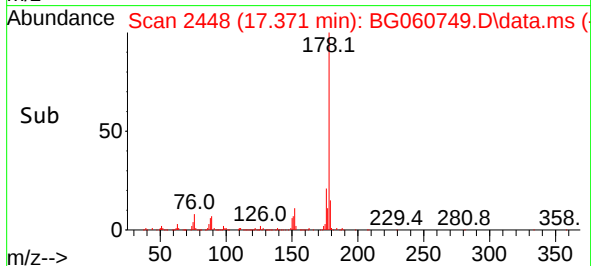
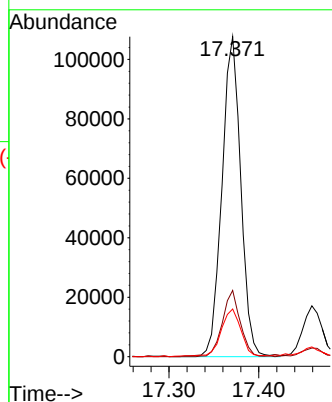
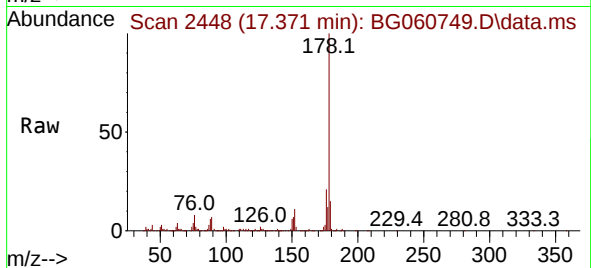
Tgt Ion:178 Resp: 156830

Ion Ratio Lower Upper

178 100

176 20.7 15.8 23.6

179 14.9 12.2 18.4



#72

Anthracene

Concen: 6.278 ng

RT: 17.371 min Scan# 2448

Delta R.T. -0.103 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

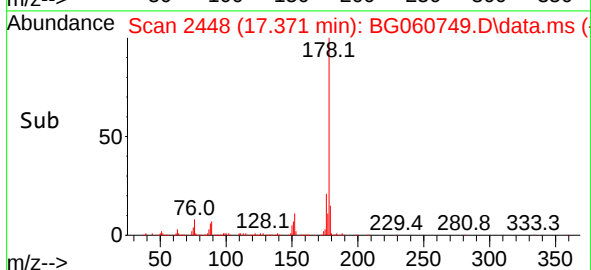
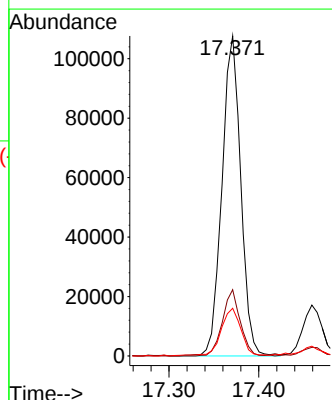
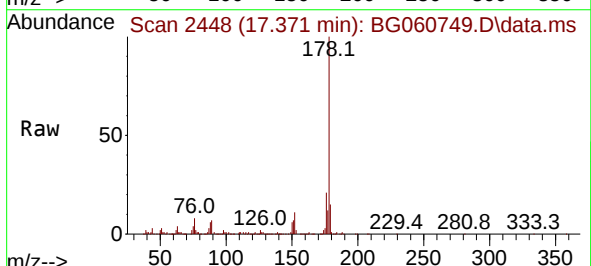
Tgt Ion:178 Resp: 156830

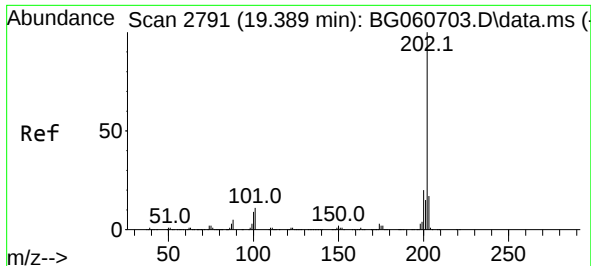
Ion Ratio Lower Upper

178 100

176 20.7 15.5 23.3

179 14.9 12.2 18.2

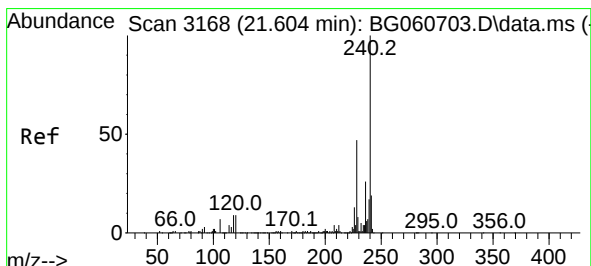
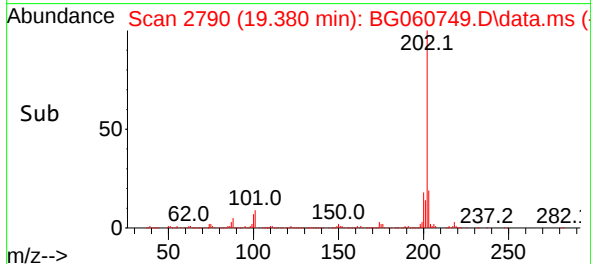
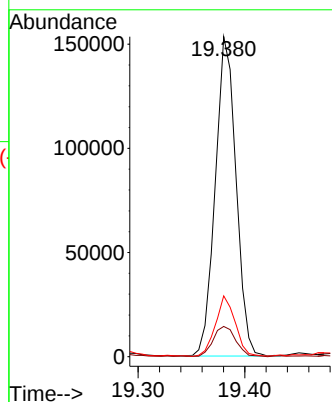
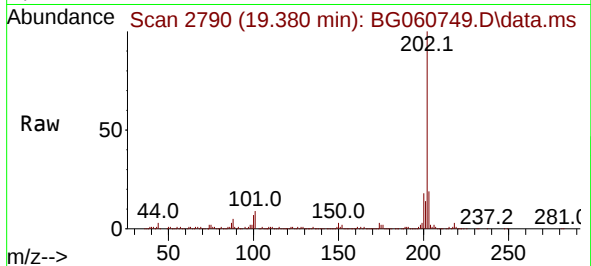




#75
Fluoranthene
Concen: 6.937 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

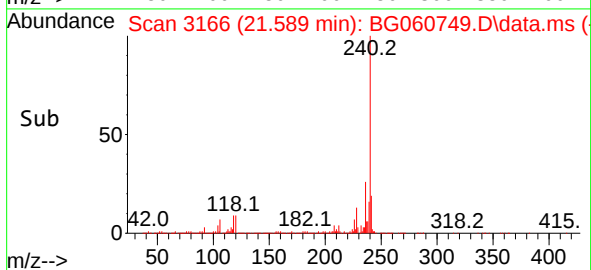
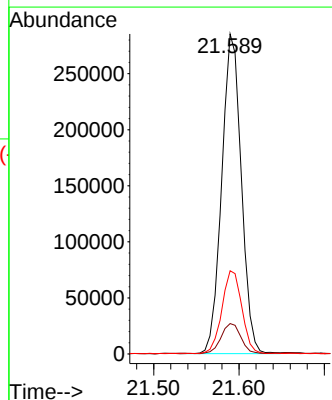
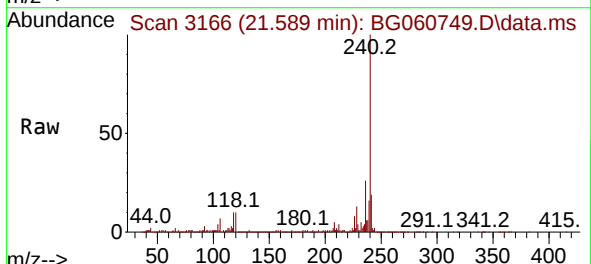
Instrument :
BNA_G
ClientSampleId :
EB-04(2-4)

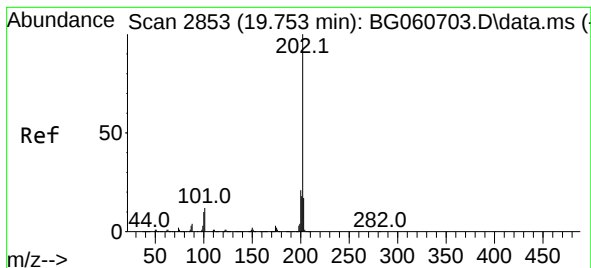
Tgt Ion:202 Resp: 207031
Ion Ratio Lower Upper
202 100
101 9.4 0.0 30.8
203 19.0 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3166
Delta R.T. -0.015 min
Lab File: BG060749.D
Acq: 2 Apr 2024 22:48

Tgt Ion:240 Resp: 454817
Ion Ratio Lower Upper
240 100
120 9.5 7.1 10.7
236 26.0 20.7 31.1





#78

Pyrene

Concen: 9.775 ng

RT: 19.745 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

Instrument :

BNA_G

ClientSampleId :

EB-04(2-4)

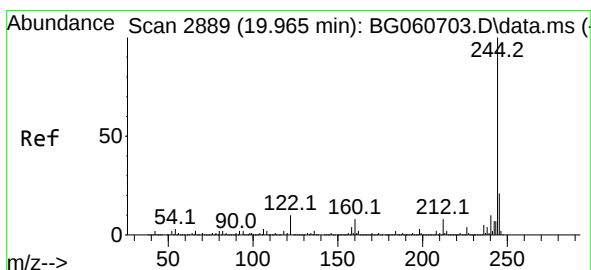
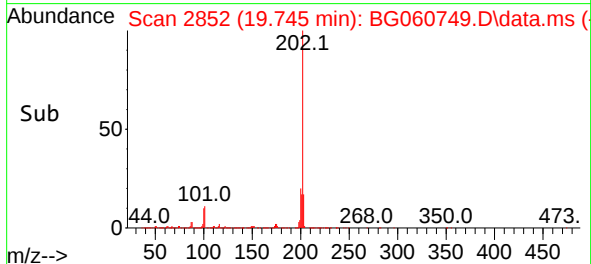
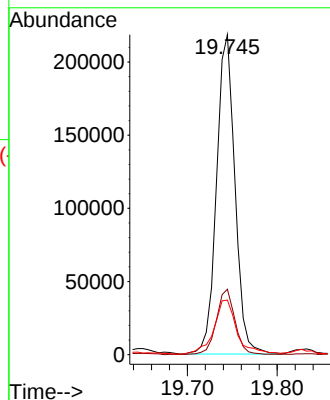
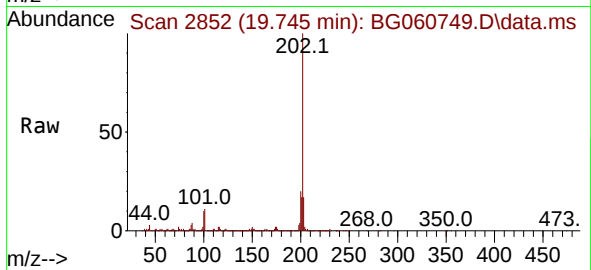
Tgt Ion:202 Resp: 310939

Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.4

203 17.1 14.0 21.0



#79

Terphenyl-d14

Concen: 57.112 ng

RT: 19.956 min Scan# 2888

Delta R.T. -0.009 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

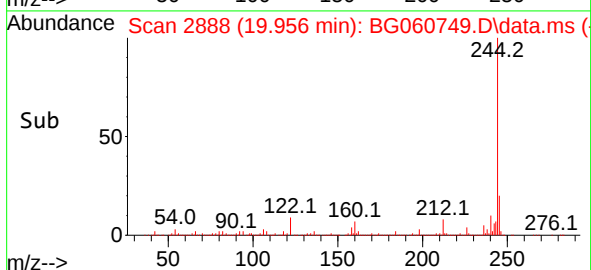
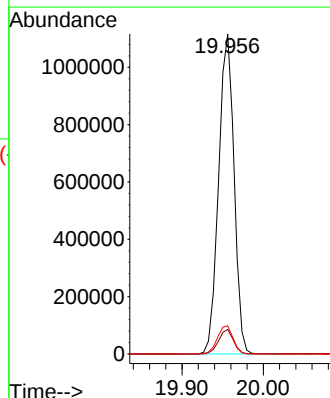
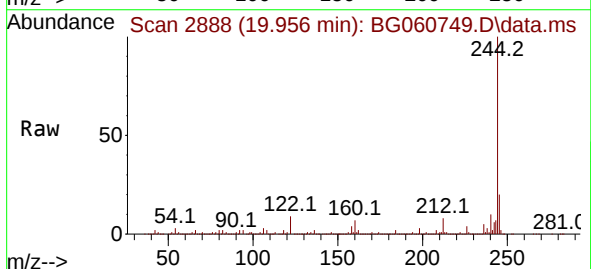
Tgt Ion:244 Resp: 1475173

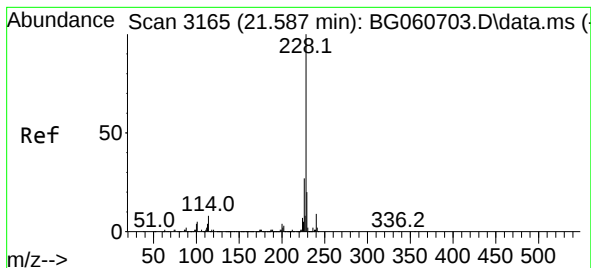
Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

122 8.8 7.8 11.8





#81

Benzo(a)anthracene

Concen: 6.499 ng

RT: 21.636 min Scan# 31

Delta R.T. 0.050 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

Instrument :

BNA_G

ClientSampleId :

EB-04(2-4)

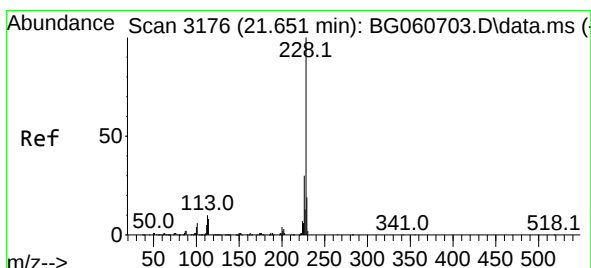
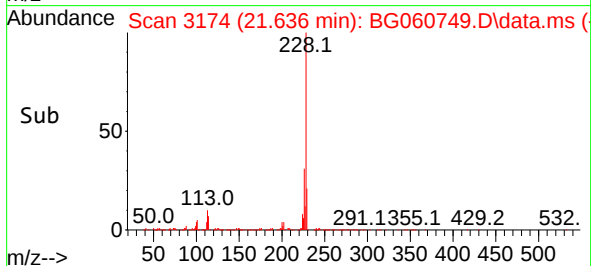
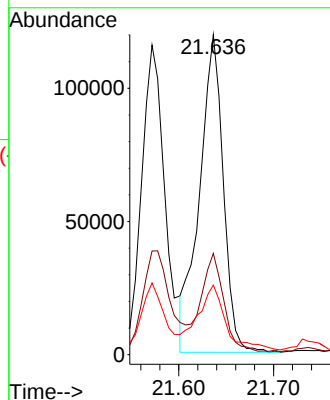
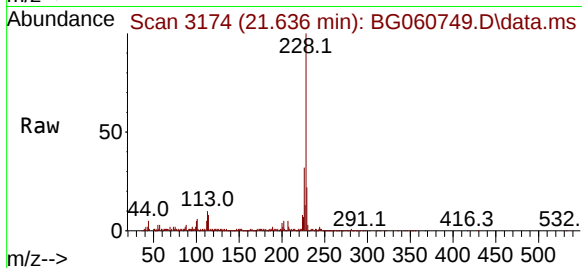
Tgt Ion:228 Resp: 208350

Ion Ratio Lower Upper

228 100

226 31.7 21.7 32.5

229 21.7 15.8 23.8



#83

Chrysene

Concen: 6.743 ng

RT: 21.636 min Scan# 3174

Delta R.T. -0.015 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

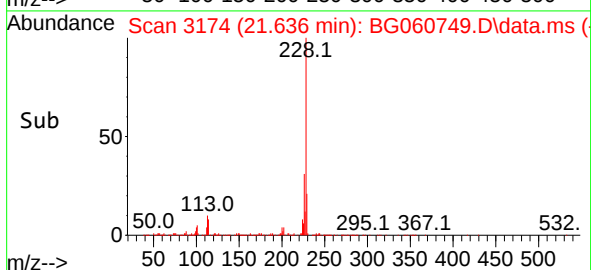
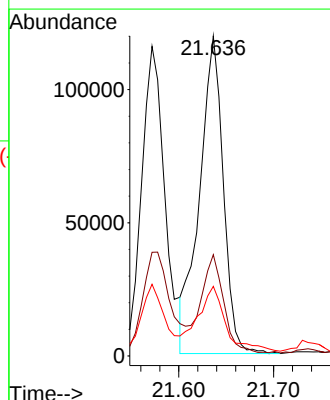
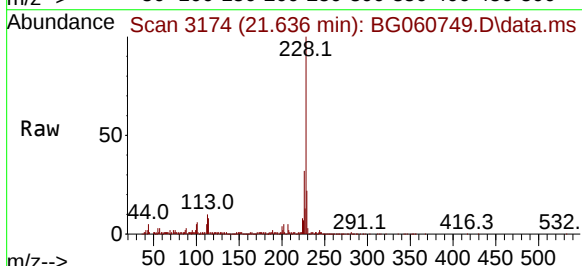
Tgt Ion:228 Resp: 208350

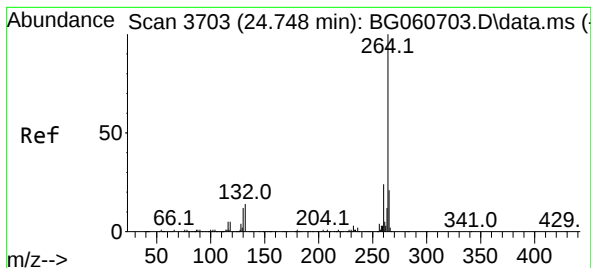
Ion Ratio Lower Upper

228 100

226 31.7 24.2 36.4

229 21.7 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.727 min Scan# 31

Delta R.T. -0.021 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

Instrument :

BNA_G

ClientSampleId :

EB-04(2-4)

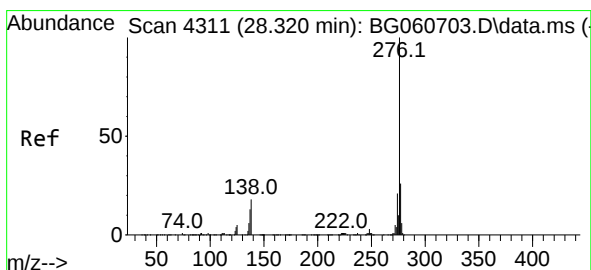
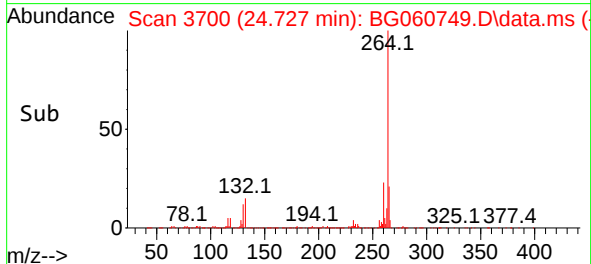
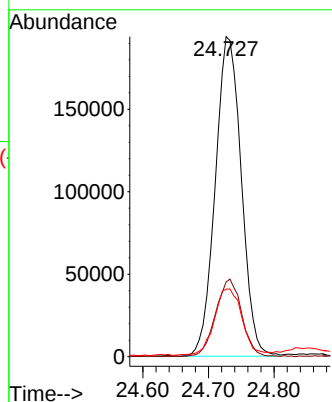
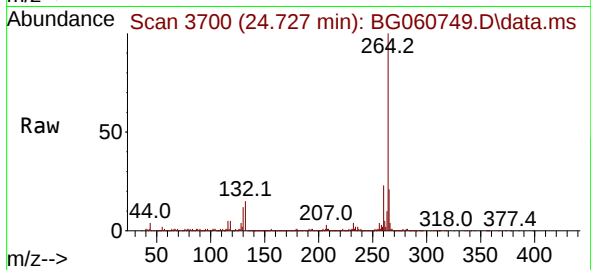
Tgt Ion:264 Resp: 532998

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

265 21.1 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 4.428 ng

RT: 28.276 min Scan# 4304

Delta R.T. -0.044 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

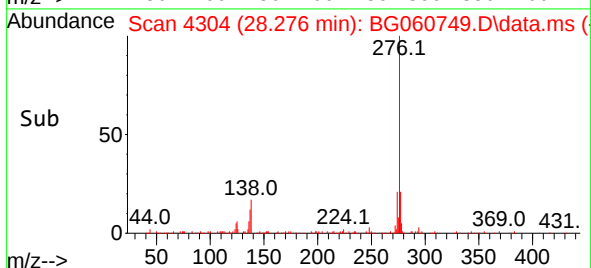
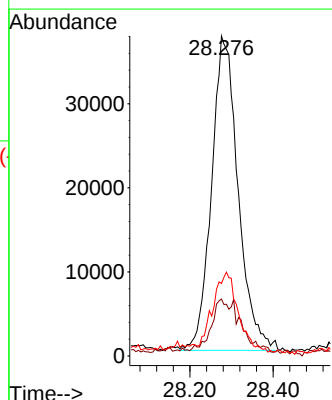
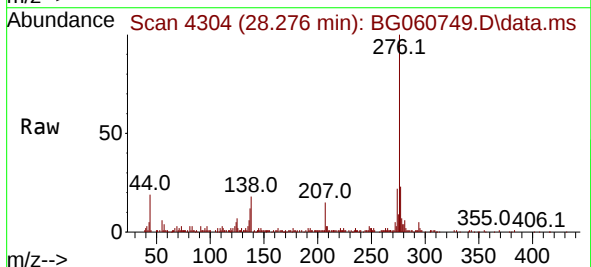
Tgt Ion:276 Resp: 166193

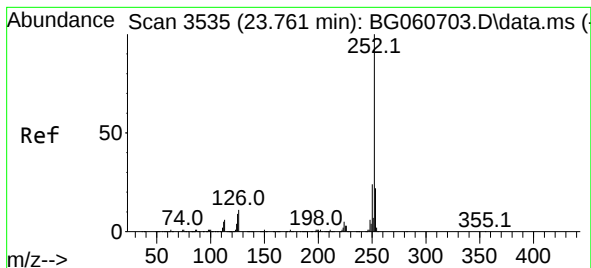
Ion Ratio Lower Upper

276 100

138 16.9 12.4 18.6

277 24.0 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 7.227 ng

RT: 23.746 min Scan# 3533

Delta R.T. -0.015 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

Instrument :

BNA_G

ClientSampleId :

EB-04(2-4)

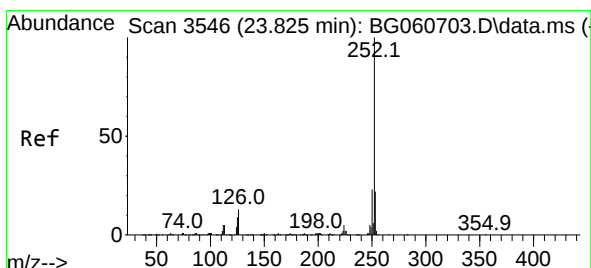
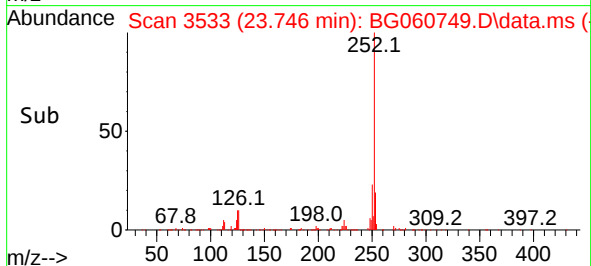
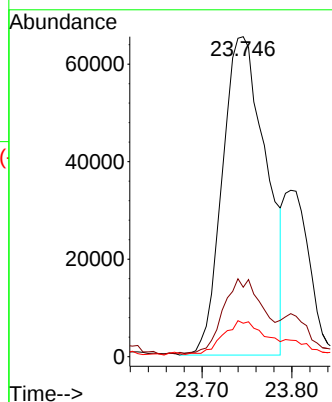
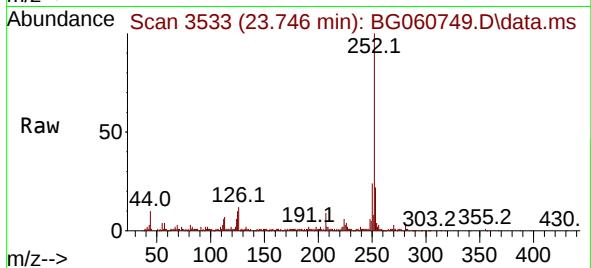
Tgt Ion:252 Resp: 221304

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: 7.061 ng

RT: 23.746 min Scan# 3533

Delta R.T. -0.079 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

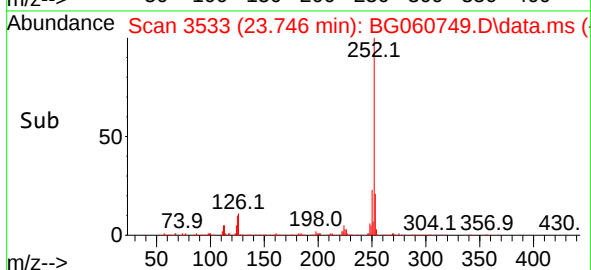
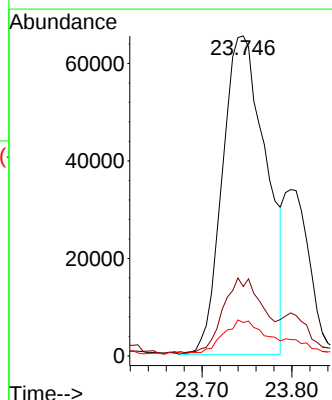
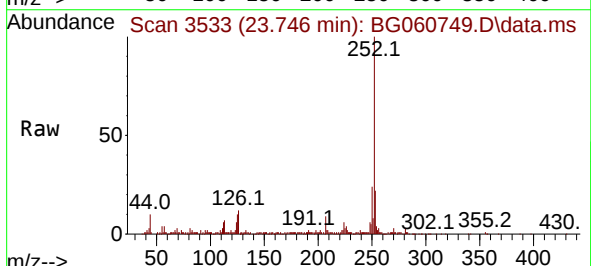
Tgt Ion:252 Resp: 221304

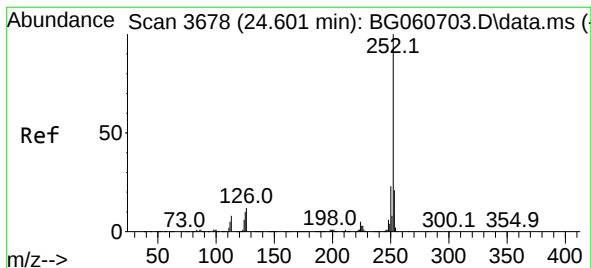
Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

125 10.5 7.5 11.3





#90

Benzo(a)pyrene

Concen: 7.337 ng

RT: 24.580 min Scan# 3

Delta R.T. -0.021 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

Instrument :

BNA_G

ClientSampleId :

EB-04(2-4)

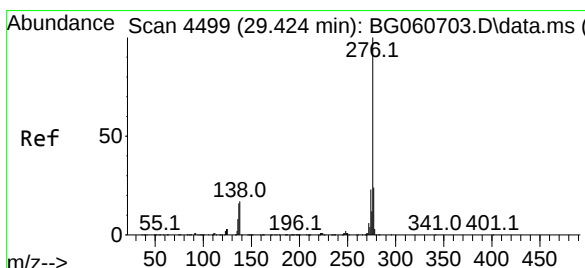
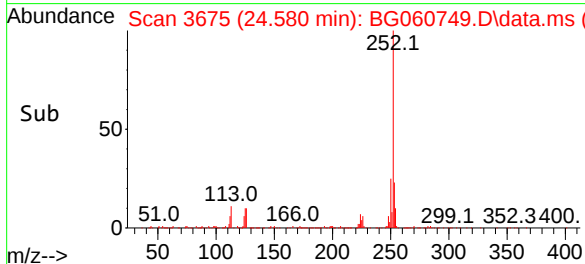
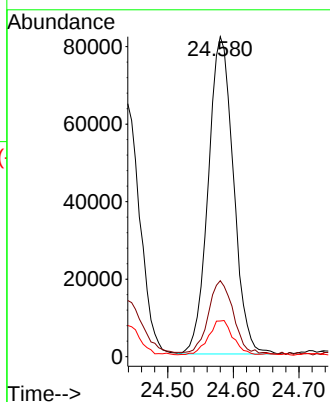
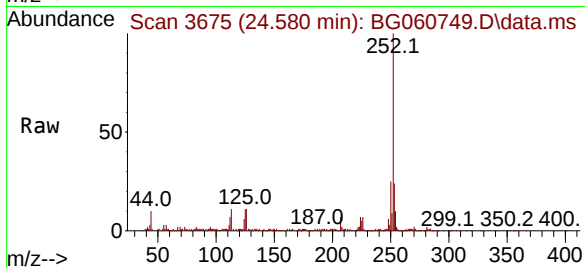
Tgt Ion:252 Resp: 218340

Ion Ratio Lower Upper

252 100

253 23.7 16.8 25.2

125 11.1 7.6 11.4



#92

Benzo(g,h,i)perylene

Concen: 7.315 ng

RT: 29.386 min Scan# 4493

Delta R.T. -0.038 min

Lab File: BG060749.D

Acq: 2 Apr 2024 22:48

Tgt Ion:276 Resp: 225160

Ion Ratio Lower Upper

276 100

277 21.6 18.9 28.3

138 19.2 14.0 21.0

