

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040224\
 Data File : BG060753.D
 Acq On : 3 Apr 2024 1:31
 Operator : MA/JU
 Sample : P1879-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HS-02(0-6)

Quant Time: Apr 03 02:29:56 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)

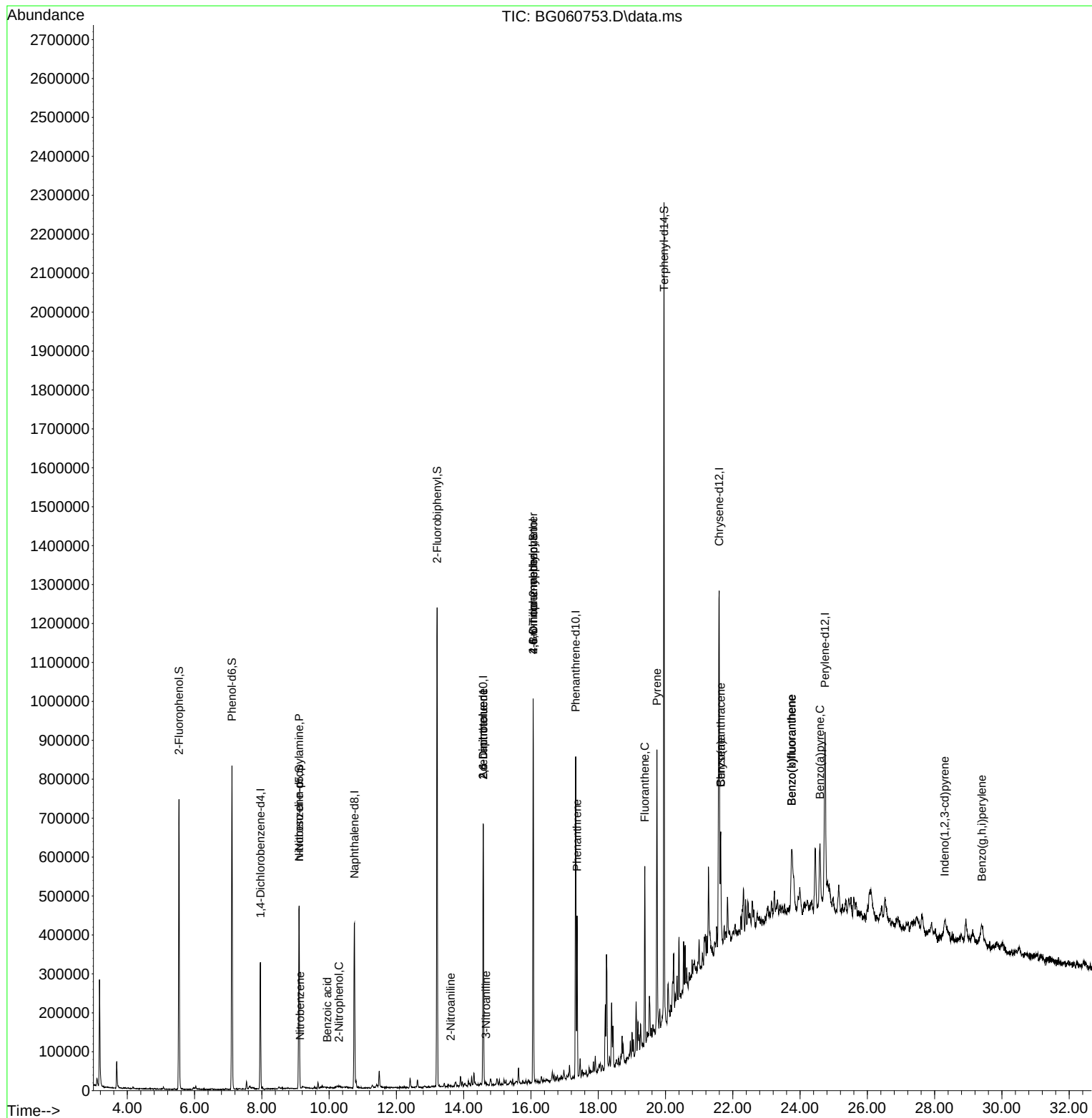
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.958	152	89148	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	351314	20.000	ng	0.00
39) Acenaphthene-d10	14.579	164	247862	20.000	ng	0.00
64) Phenanthrene-d10	17.329	188	521919	20.000	ng	0.00
76) Chrysene-d12	21.595	240	477416	20.000	ng	0.00
86) Perylene-d12	24.744	264	564178	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.537	112	307163	57.399	ng	0.00
7) Phenol-d6	7.112	99	428038	53.885	ng	0.00
23) Nitrobenzene-d5	9.109	82	257129	41.764	ng	0.00
42) 2,4,6-Tribromophenol	16.066	330	186648	66.337	ng	0.00
45) 2-Fluorobiphenyl	13.210	172	639215	37.849	ng	0.00
79) Terphenyl-d14	19.955	244	1044670	38.530	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	9.109	70	35029	5.783	ng	# 76
24) Nitrobenzene	9.139	77	154	2.794	ng	# 42
26) 2-Nitrophenol	10.296	139	56	2.986	ng	# 28
32) Benzoic acid	9.949	122	149	6.870	ng	# 70
48) 2-Nitroaniline	13.616	65	567	2.930	ng	# 11
51) 2,6-Dinitrotoluene	14.579	165	33510	12.352	ng	# 19
53) 3-Nitroaniline	14.662	138	61	2.866	ng	# 1
57) 2,4-Dinitrotoluene	14.579	165	33510	10.380	ng	# 20
65) 4,6-Dinitro-2-methylph...	16.066	198	650	7.291	ng	# 1
67) 4-Bromophenyl-phenylether	16.066	248	13395	2.529	ng	# 1
71) Phenanthrene	17.370	178	259287	9.552	ng	98
75) Fluoranthene	19.385	202	275060	8.351	ng	98
78) Pyrene	19.744	202	440945	13.206	ng	99
81) Benzo(a)anthracene	21.642	228	220853	6.563	ng	92
83) Chrysene	21.642	228	220853	6.809	ng	96
87) Indeno(1,2,3-cd)pyrene	28.299	276	107228	2.699	ng	# 78
88) Benzo(b)fluoranthene	23.745	252	228653	7.055	ng	# 95
89) Benzo(k)fluoranthene	23.745	252	228653	6.892	ng	# 95
90) Benzo(a)pyrene	24.591	252	197810	6.280	ng	97
92) Benzo(g,h,i)perylene	29.403	276	115320	3.540	ng	# 90

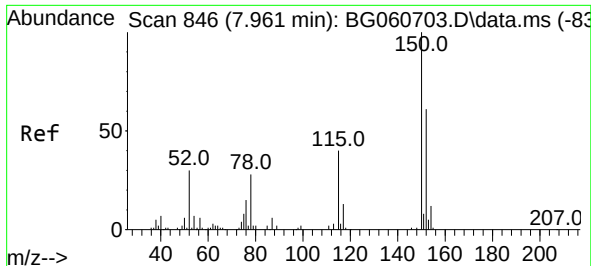
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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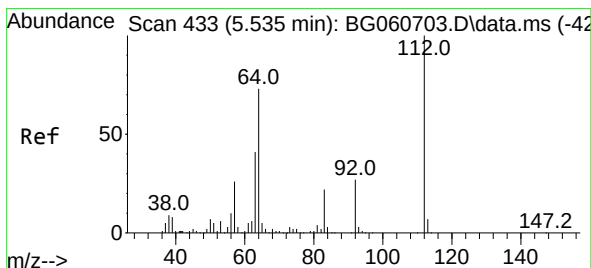
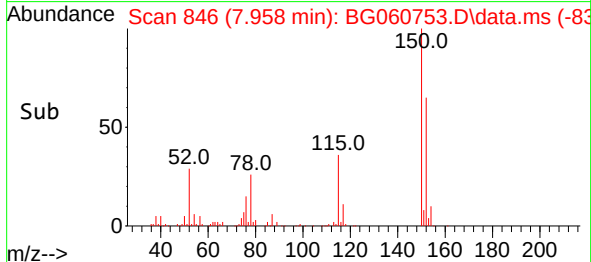
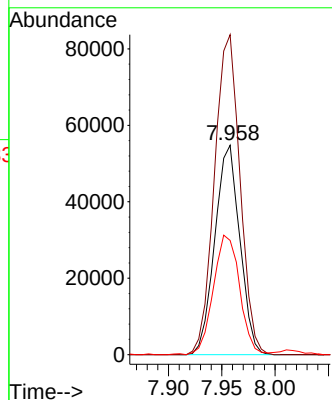
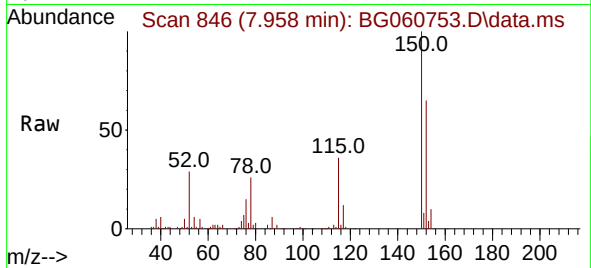




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.958 min Scan# 846
Delta R.T. -0.003 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

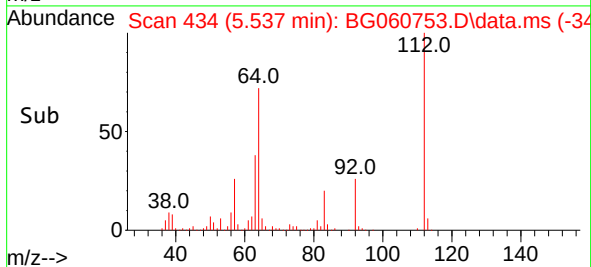
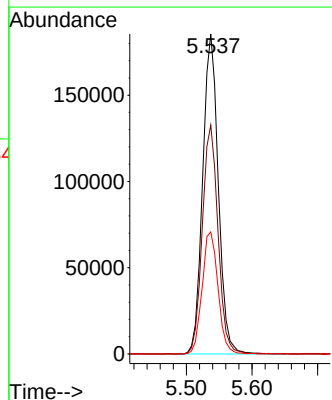
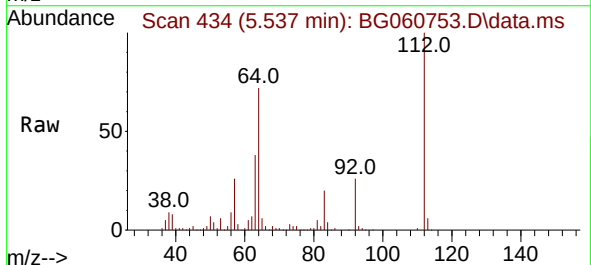
Instrument :
BNA_G
ClientSampleId :
HS-02(0-6)

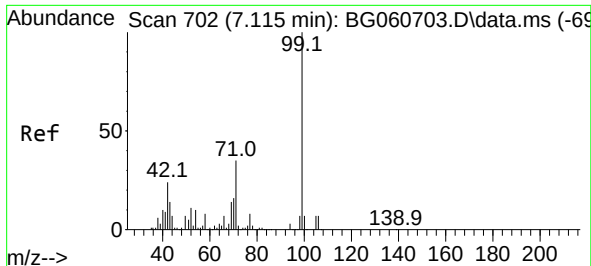
Tgt Ion:152 Resp: 89148
Ion Ratio Lower Upper
152 100
150 152.8 130.2 195.4
115 54.5 51.6 77.4



#5
2-Fluorophenol
Concen: 57.399 ng
RT: 5.537 min Scan# 434
Delta R.T. 0.002 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

Tgt Ion:112 Resp: 307163
Ion Ratio Lower Upper
112 100
64 71.6 58.4 87.6
63 38.1 32.7 49.1

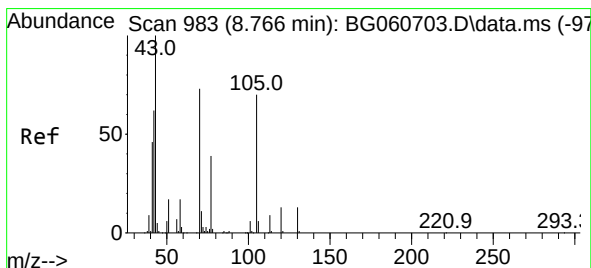
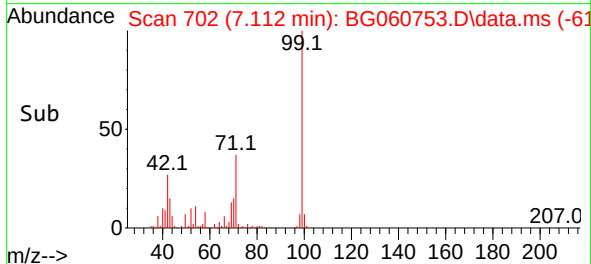
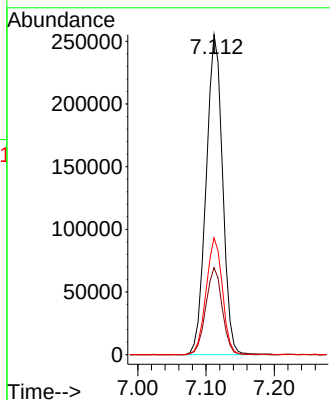
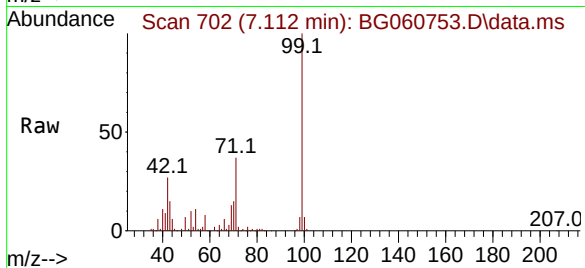




#7
Phenol-d6
Concen: 53.885 ng
RT: 7.112 min Scan# 70
Delta R.T. -0.004 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

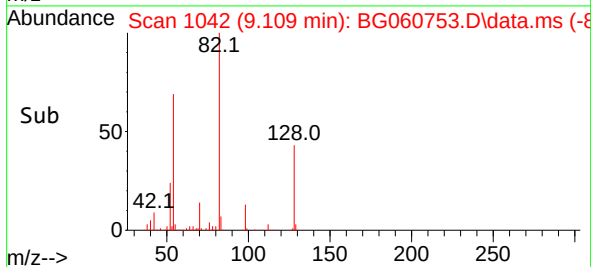
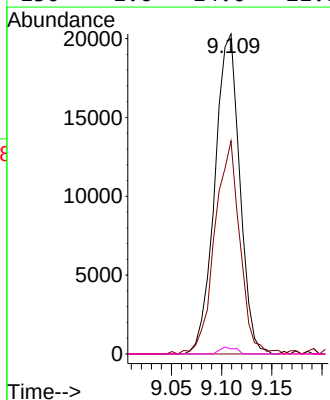
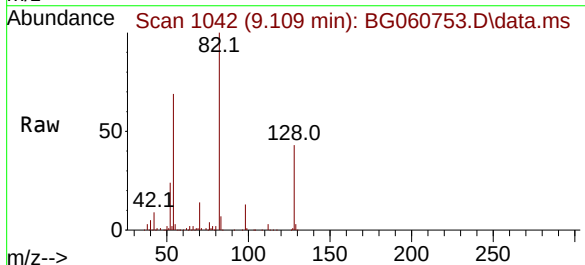
Instrument :
BNA_G
ClientSampleId :
HS-02(0-6)

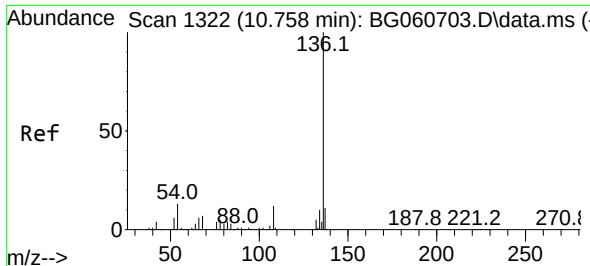
Tgt Ion: 99 Resp: 428038
Ion Ratio Lower Upper
99 100
42 27.2 19.4 29.2
71 36.5 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 5.783 ng
RT: 9.109 min Scan# 1042
Delta R.T. 0.343 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

Tgt Ion: 70 Resp: 35029
Ion Ratio Lower Upper
70 100
42 66.5 68.4 102.6#
101 0.0 6.1 9.1#
130 1.6 14.6 21.8#

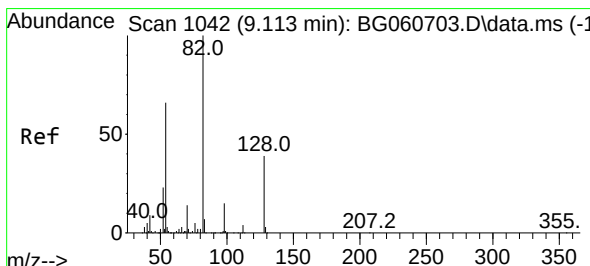
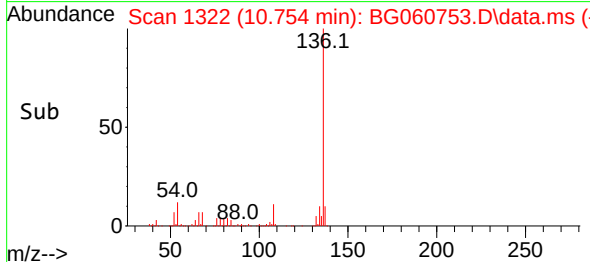
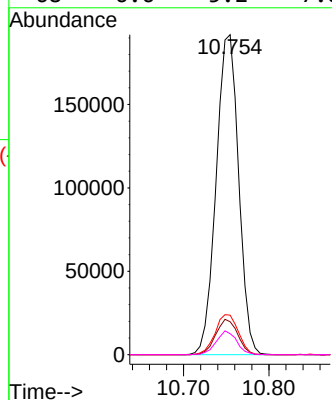
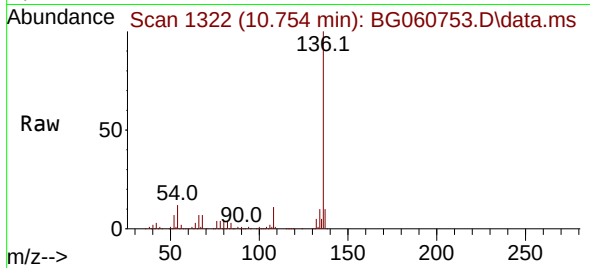




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 1322
Delta R.T. -0.004 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

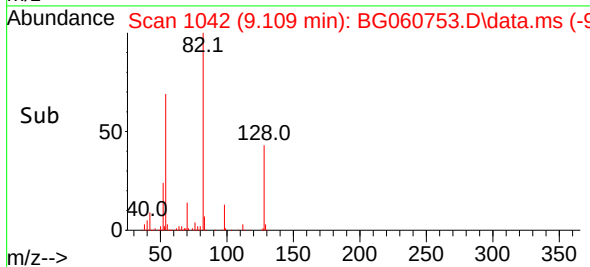
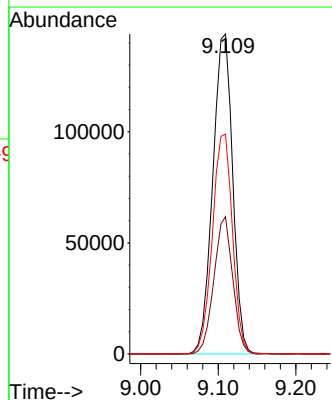
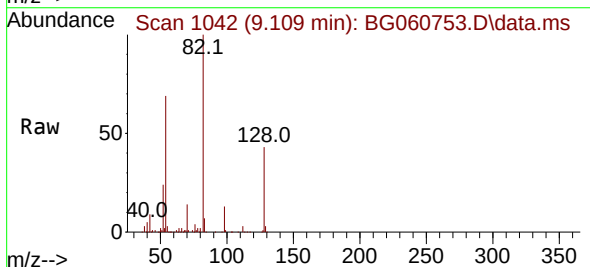
Instrument :
BNA_G
ClientSampleId :
HS-02(0-6)

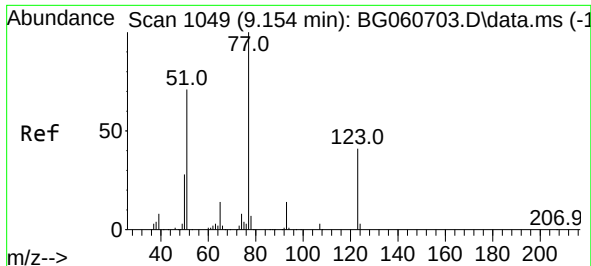
Tgt Ion:	136	Resp:	351314
Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.8	13.2
54	12.4	10.2	15.2
68	6.6	5.2	7.8



#23
Nitrobenzene-d5
Concen: 41.764 ng
RT: 9.109 min Scan# 1042
Delta R.T. -0.004 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

Tgt Ion:	82	Resp:	257129
Ion	Ratio	Lower	Upper
82	100		
128	42.9	31.2	46.8
54	68.7	53.2	79.8

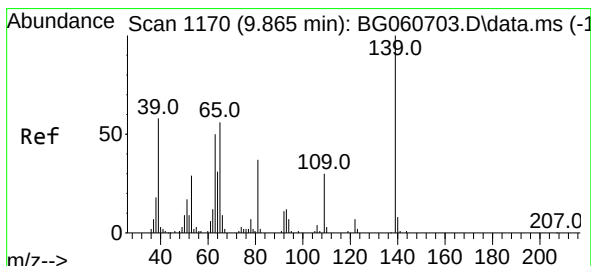
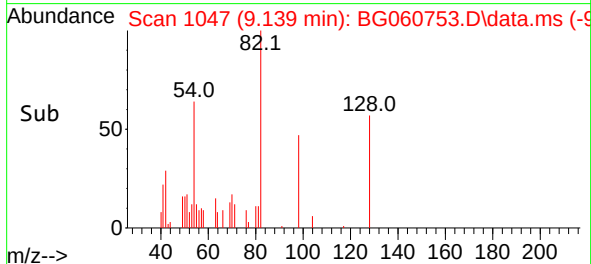
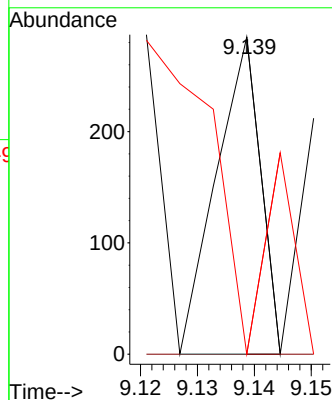
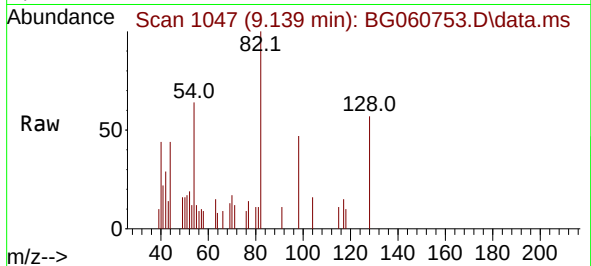




#24
Nitrobenzene
Concen: 2.794 ng
RT: 9.139 min Scan# 1047
Delta R.T. -0.015 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

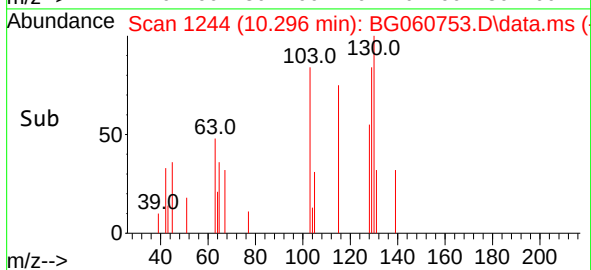
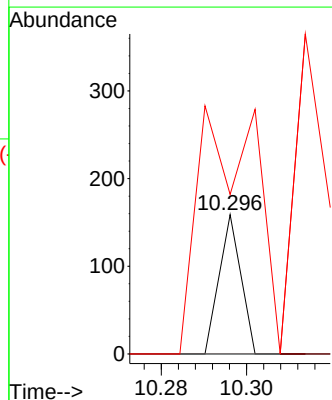
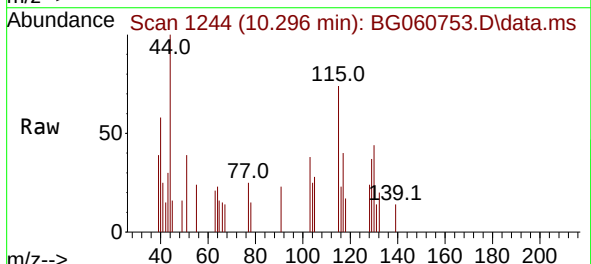
Instrument :
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ClientSampleId :
HS-02(0-6)

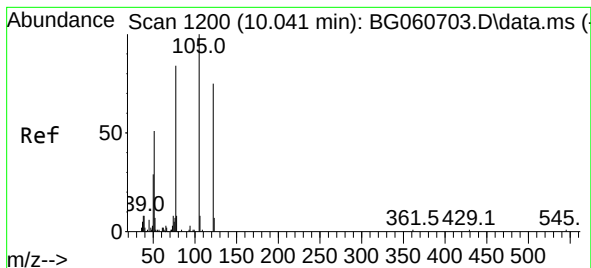
Tgt Ion: 77 Resp: 154
Ion Ratio Lower Upper
77 100
123 0.0 32.7 49.1#
65 0.0 11.3 16.9#



#26
2-Nitrophenol
Concen: 2.986 ng
RT: 10.296 min Scan# 1244
Delta R.T. 0.431 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

Tgt Ion:139 Resp: 56
Ion Ratio Lower Upper
139 100
109 0.0 23.9 35.9#
65 114.5 44.5 66.7#

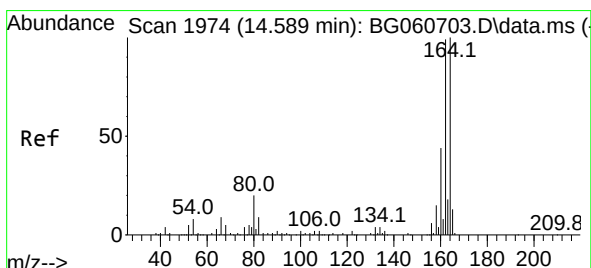
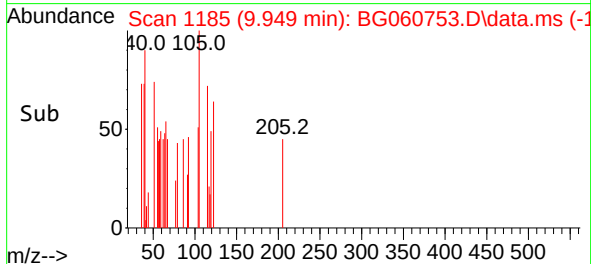
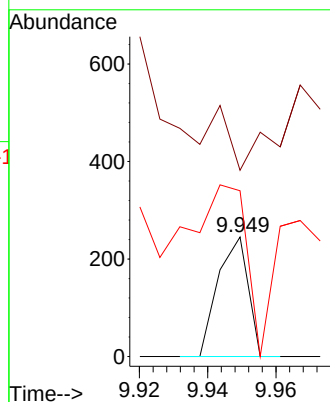
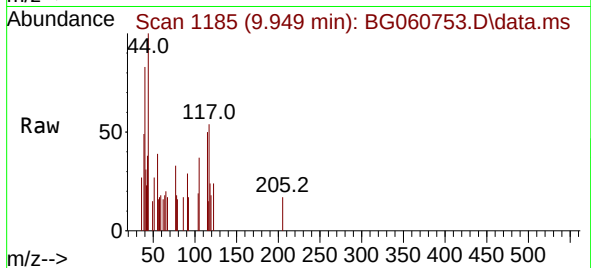




#32
Benzoic acid
Concen: 6.870 ng
RT: 9.949 min Scan# 1185
Delta R.T. -0.092 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

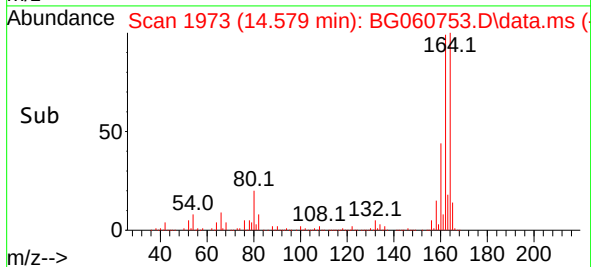
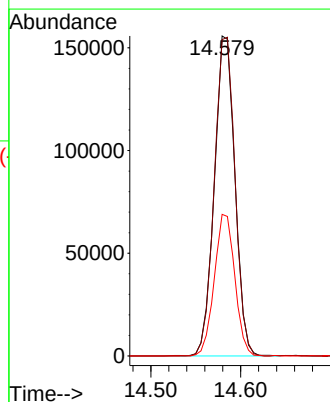
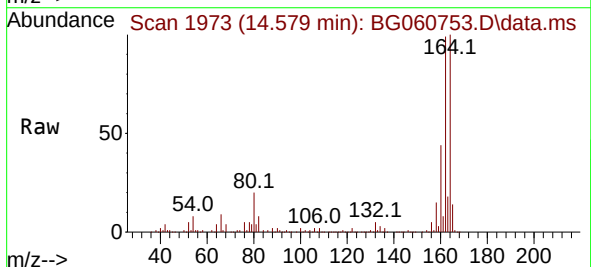
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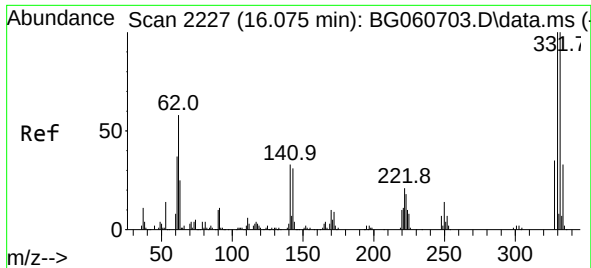
Tgt Ion:122 Resp: 149
Ion Ratio Lower Upper
122 100
105 155.9 104.5 144.5#
77 138.8 85.3 125.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.579 min Scan# 1973
Delta R.T. -0.010 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

Tgt Ion:164 Resp: 247862
Ion Ratio Lower Upper
164 100
162 98.8 79.5 119.3
160 44.2 35.4 53.0

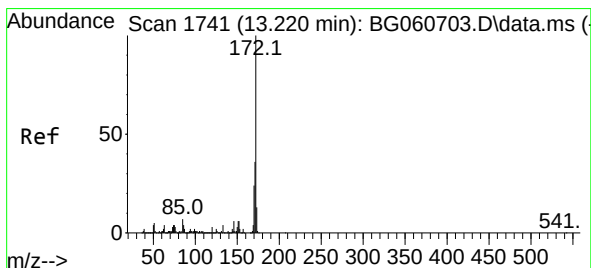
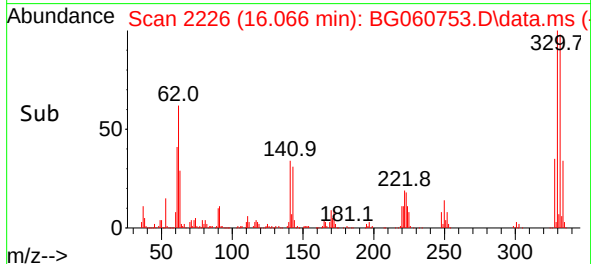
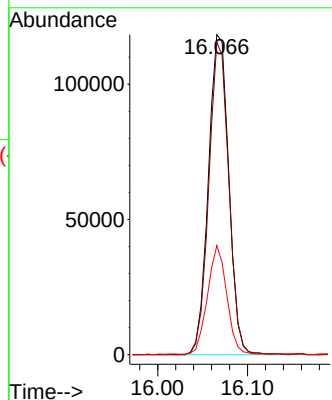
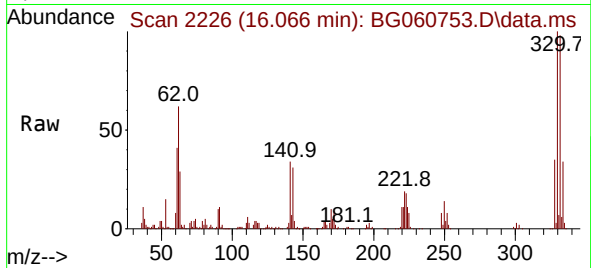




#42
 2,4,6-Tribromophenol
 Concen: 66.337 ng
 RT: 16.066 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: BG060753.D
 Acq: 3 Apr 2024 1:31

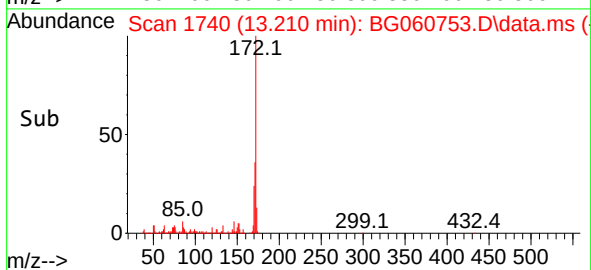
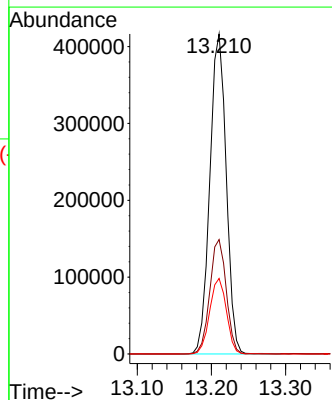
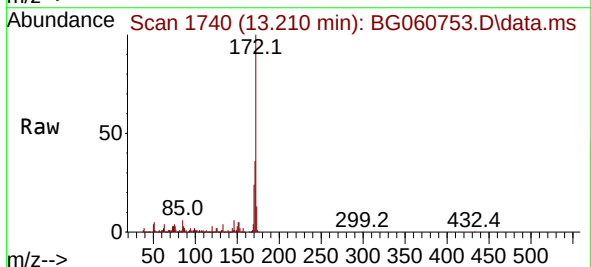
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 HS-02(0-6)

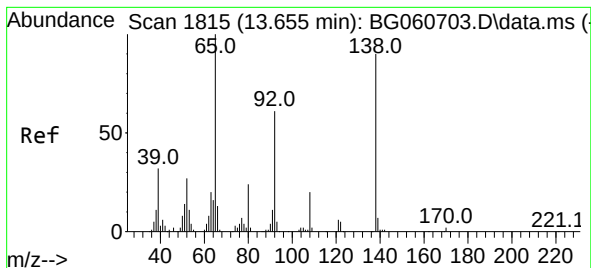
Tgt Ion:330 Resp: 186648
 Ion Ratio Lower Upper
 330 100
 332 95.5 78.2 117.4
 141 32.7 27.0 40.6



#45
 2-Fluorobiphenyl
 Concen: 37.849 ng
 RT: 13.210 min Scan# 1740
 Delta R.T. -0.010 min
 Lab File: BG060753.D
 Acq: 3 Apr 2024 1:31

Tgt Ion:172 Resp: 639215
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.7 43.1
 170 23.6 19.4 29.0





#48

2-Nitroaniline

Concen: 2.930 ng

RT: 13.616 min Scan# 1

Delta R.T. -0.039 min

Lab File: BG060753.D

Acq: 3 Apr 2024 1:31

Instrument :

BNA_G

ClientSampleId :

HS-02(0-6)

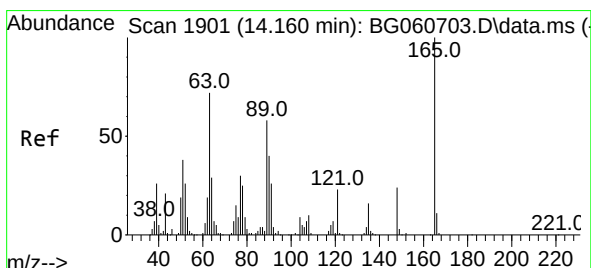
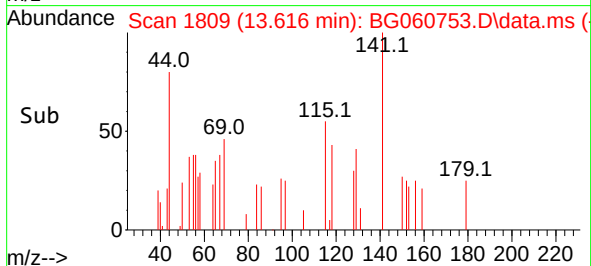
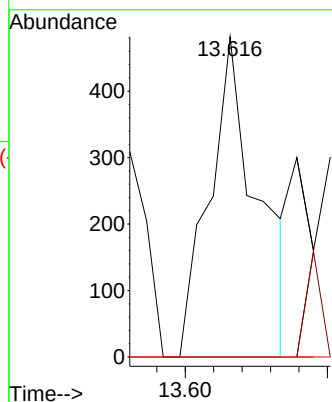
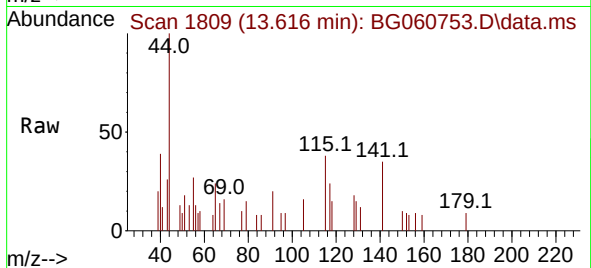
Tgt Ion: 65 Resp: 567

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: 12.352 ng

RT: 14.579 min Scan# 1973

Delta R.T. 0.419 min

Lab File: BG060753.D

Acq: 3 Apr 2024 1:31

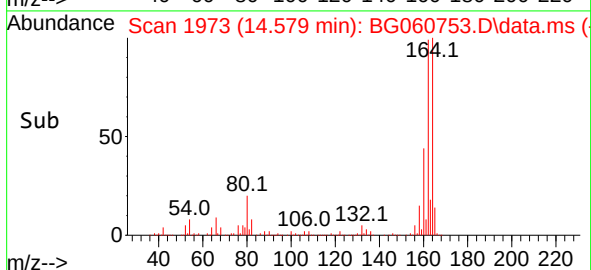
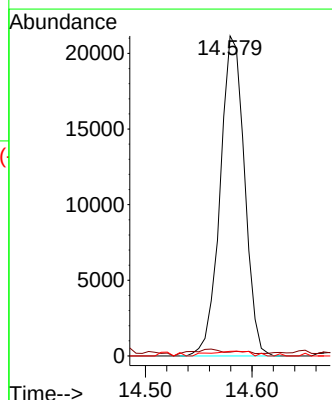
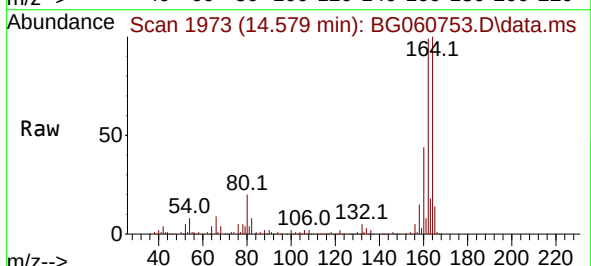
Tgt Ion:165 Resp: 33510

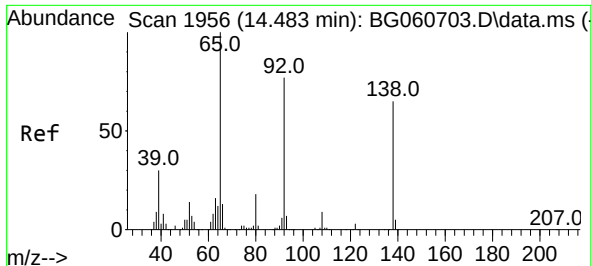
Ion Ratio Lower Upper

165 100

63 1.2 58.2 87.4#

89 1.4 46.1 69.1#

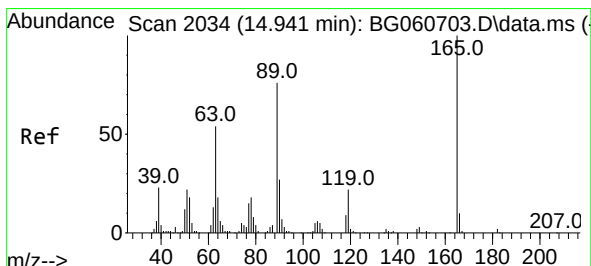
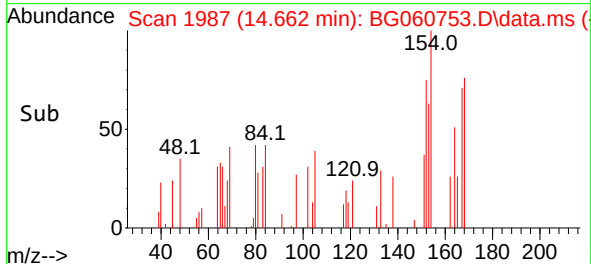
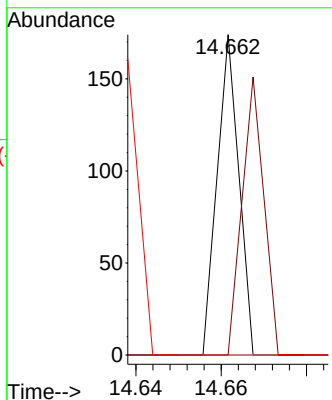
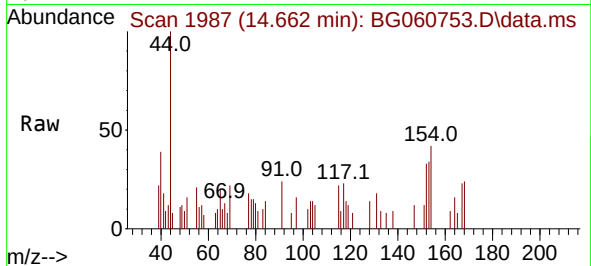




#53
3-Nitroaniline
Concen: 2.866 ng
RT: 14.662 min Scan# 1956
Delta R.T. 0.179 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

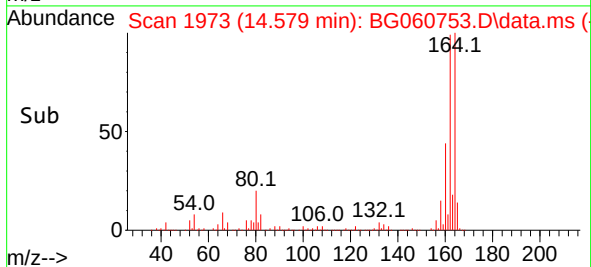
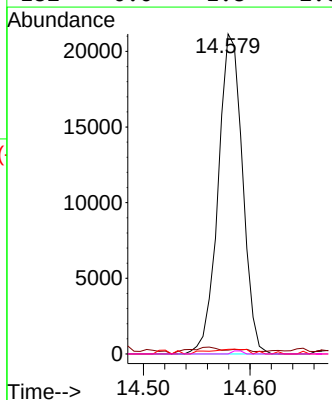
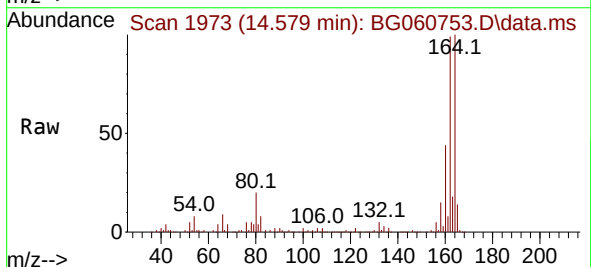
Instrument :
BNA_G
ClientSampleId :
HS-02(0-6)

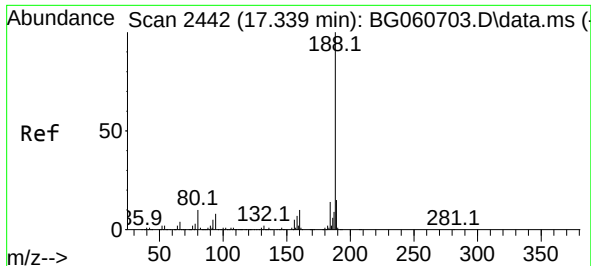
Tgt Ion:138 Resp: 61
Ion Ratio Lower Upper
138 100
108 0.0 11.3 16.9#
92 0.0 94.1 141.1#



#57
2,4-Dinitrotoluene
Concen: 10.380 ng
RT: 14.579 min Scan# 1973
Delta R.T. -0.362 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

Tgt Ion:165 Resp: 33510
Ion Ratio Lower Upper
165 100
63 1.2 43.4 65.0#
89 1.4 61.0 91.6#
182 0.0 1.8 2.6#

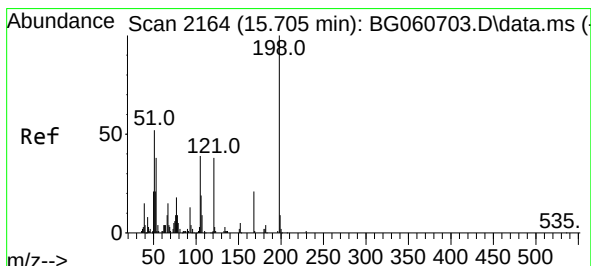
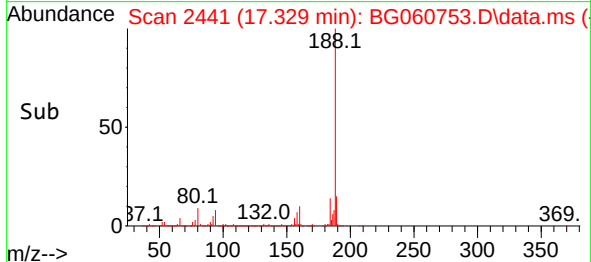
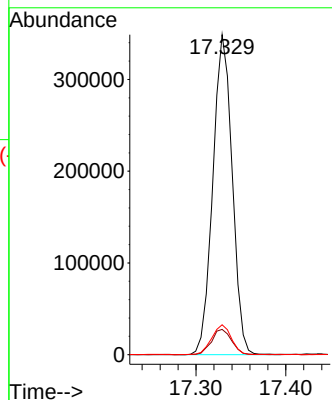
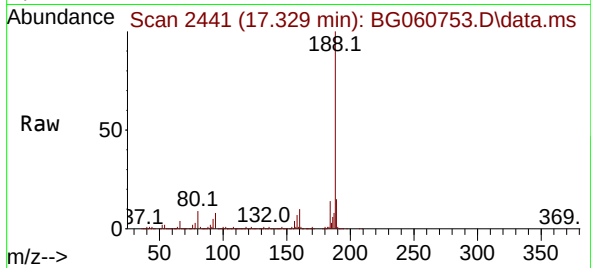




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.329 min Scan# 2442
Delta R.T. -0.010 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

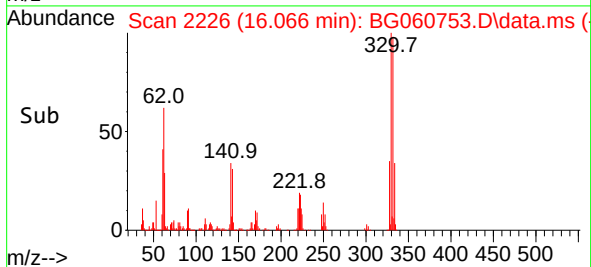
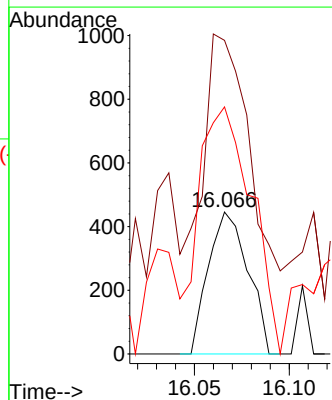
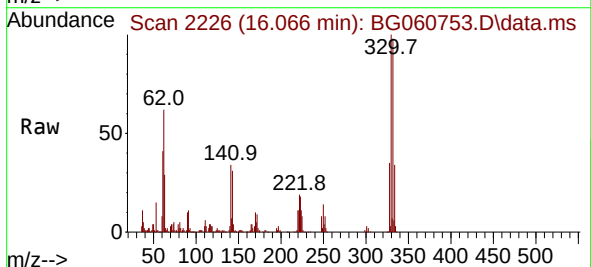
Instrument :
BNA_G
ClientSampleId :
HS-02(0-6)

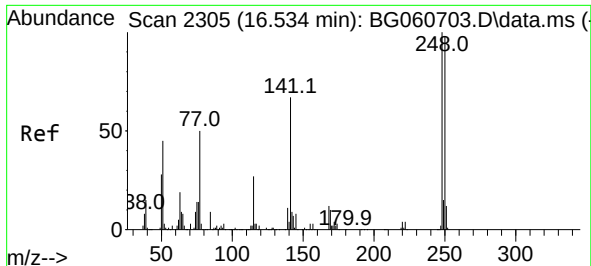
Tgt Ion:188 Resp: 521919
Ion Ratio Lower Upper
188 100
94 7.9 6.6 9.8
80 9.4 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 7.291 ng
RT: 16.066 min Scan# 2226
Delta R.T. 0.361 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

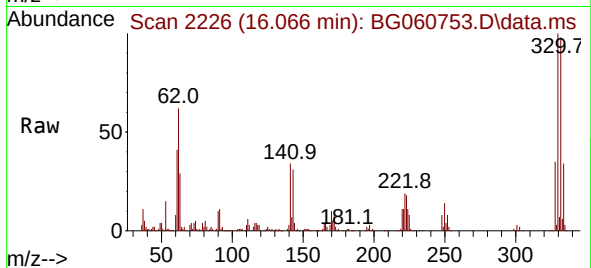
Tgt Ion:198 Resp: 650
Ion Ratio Lower Upper
198 100
51 220.9 36.7 76.7#
105 174.0 19.1 59.1#



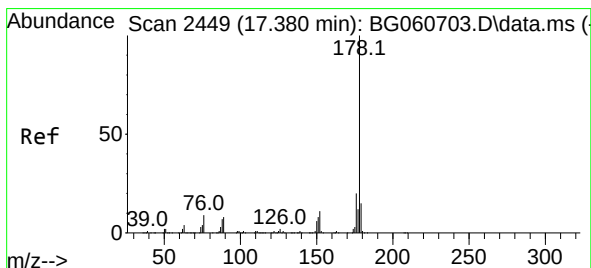
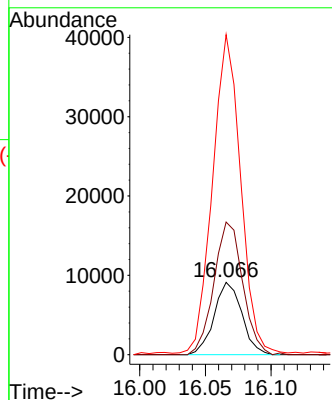
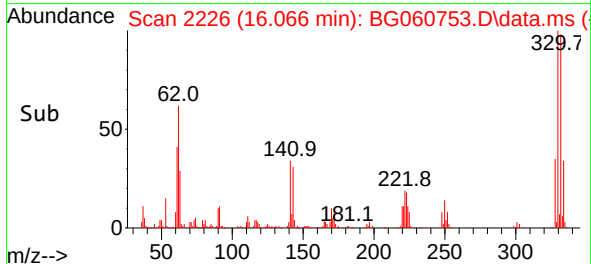


#67
4-Bromophenyl-phenylether
Concen: 2.529 ng
RT: 16.066 min Scan# 211
Delta R.T. -0.468 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

Instrument :
BNA_G
ClientSampleId :
HS-02(0-6)

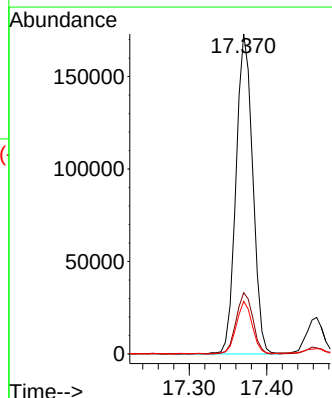
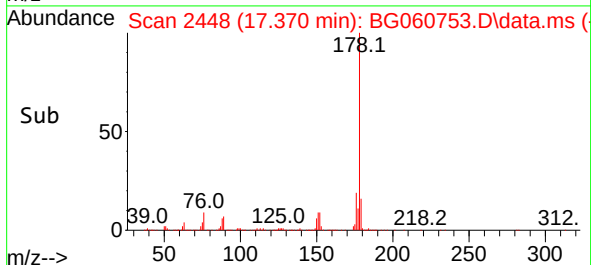
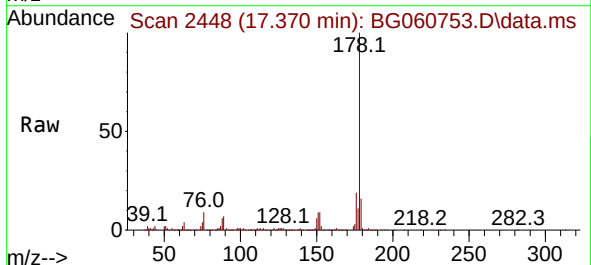


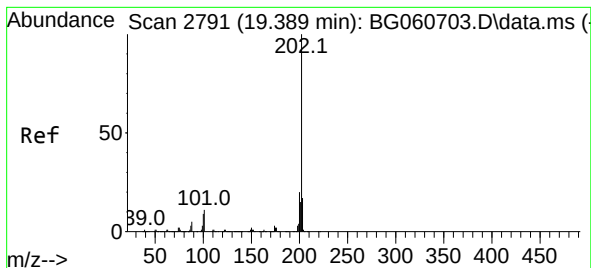
Tgt Ion:248 Resp: 13395
Ion Ratio Lower Upper
248 100
250 183.2 78.3 117.5#
141 441.9 53.7 80.5#



#71
Phenanthrene
Concen: 9.552 ng
RT: 17.370 min Scan# 2448
Delta R.T. -0.010 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

Tgt Ion:178 Resp: 259287
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 16.5 12.2 18.4





#75

Fluoranthene

Concen: 8.351 ng

RT: 19.385 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG060753.D

Acq: 3 Apr 2024 1:31

Instrument :

BNA_G

ClientSampleId :

HS-02(0-6)

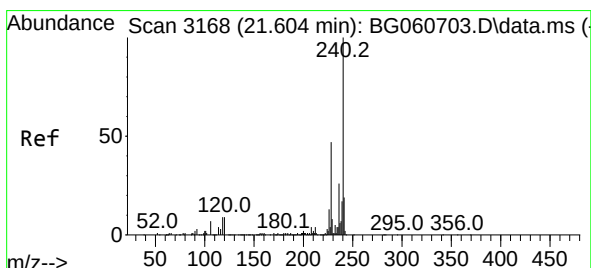
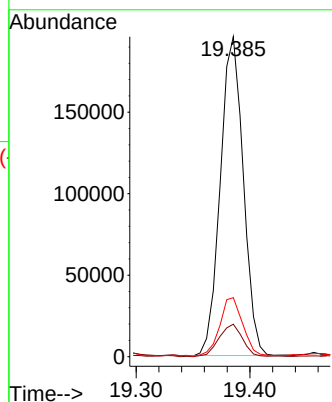
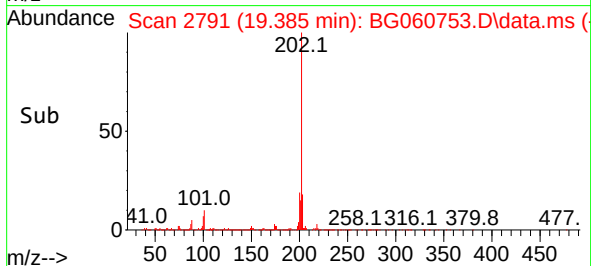
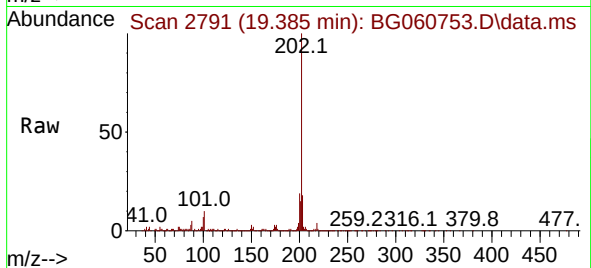
Tgt Ion:202 Resp: 275060

Ion Ratio Lower Upper

202 100

101 10.2 0.0 30.8

203 18.5 0.0 37.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.595 min Scan# 3167

Delta R.T. -0.010 min

Lab File: BG060753.D

Acq: 3 Apr 2024 1:31

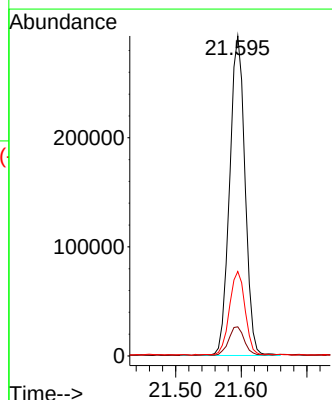
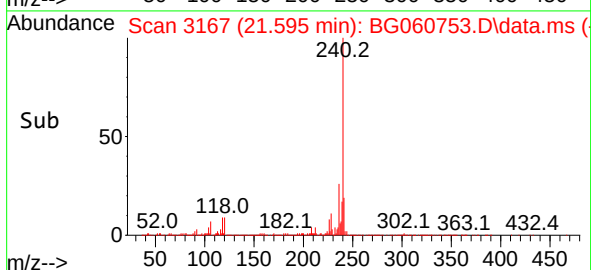
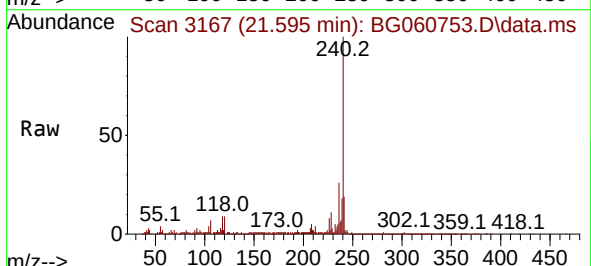
Tgt Ion:240 Resp: 477416

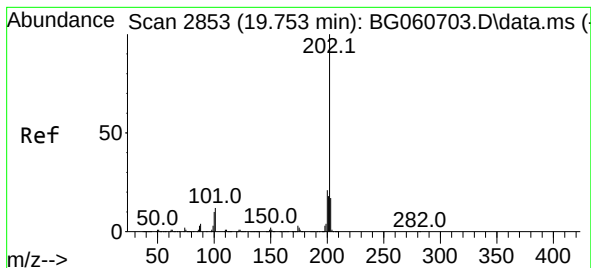
Ion Ratio Lower Upper

240 100

120 9.1 7.1 10.7

236 26.4 20.7 31.1





#78

Pyrene

Concen: 13.206 ng

RT: 19.744 min Scan# 2853

Delta R.T. -0.010 min

Lab File: BG060753.D

Acq: 3 Apr 2024 1:31

Instrument :

BNA_G

ClientSampleId :

HS-02(0-6)

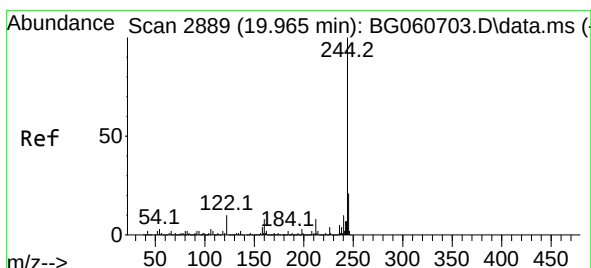
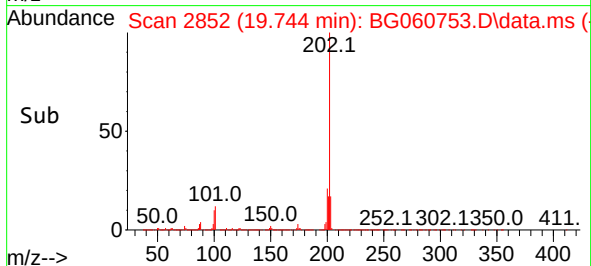
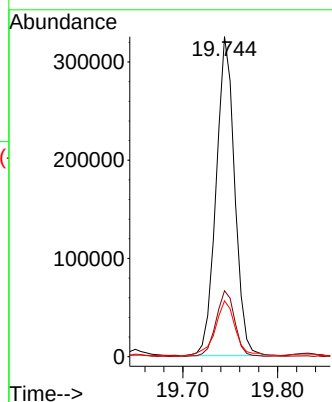
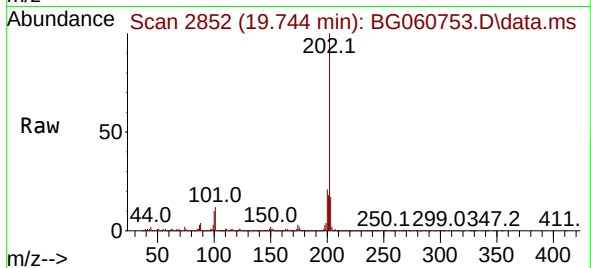
Tgt Ion:202 Resp: 440945

Ion Ratio Lower Upper

202 100

200 20.6 17.0 25.4

203 17.4 14.0 21.0



#79

Terphenyl-d14

Concen: 38.530 ng

RT: 19.955 min Scan# 2888

Delta R.T. -0.010 min

Lab File: BG060753.D

Acq: 3 Apr 2024 1:31

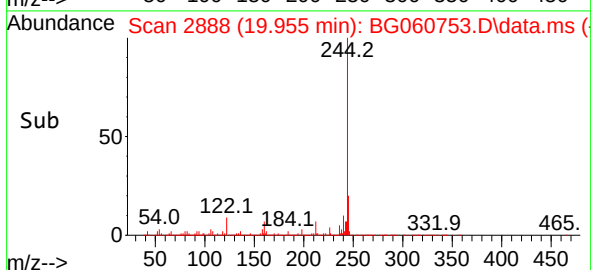
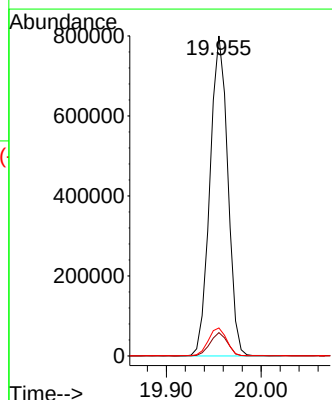
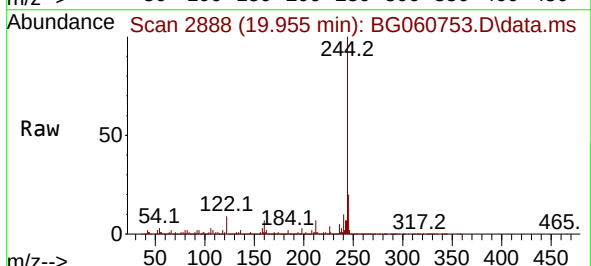
Tgt Ion:244 Resp: 1044670

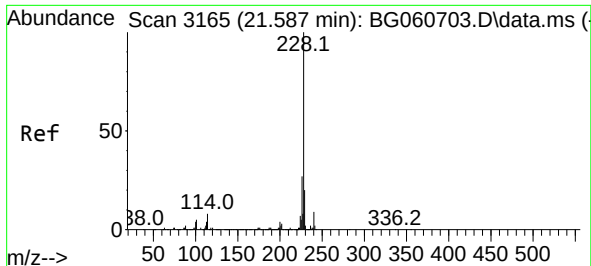
Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

122 8.7 7.8 11.8

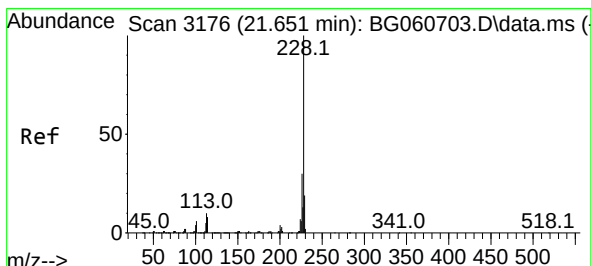
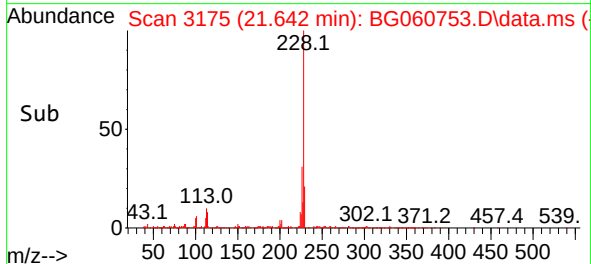
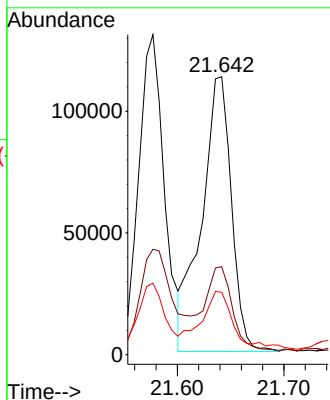
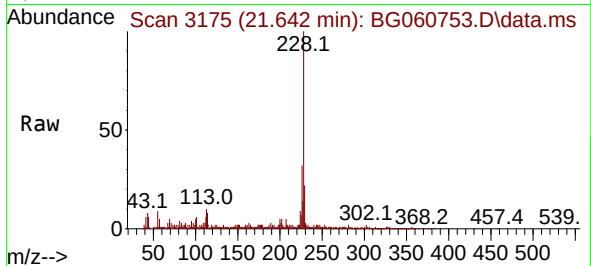




#81
Benzo(a)anthracene
Concen: 6.563 ng
RT: 21.642 min Scan# 3165
Delta R.T. 0.055 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

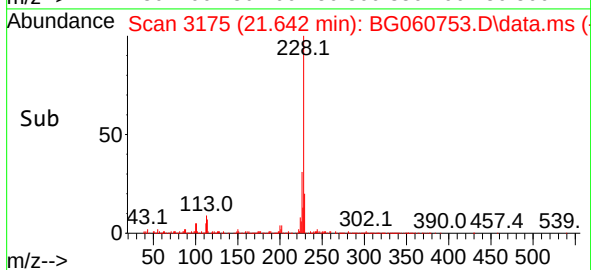
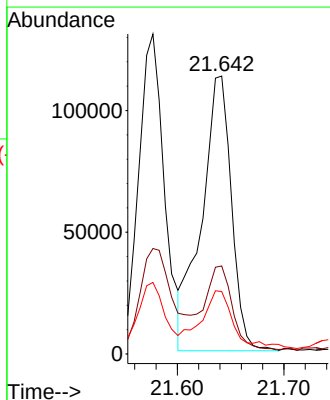
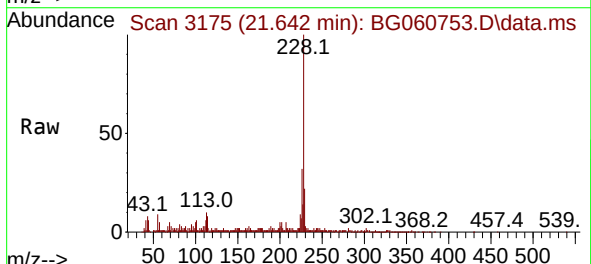
Instrument :
BNA_G
ClientSampleId :
HS-02(0-6)

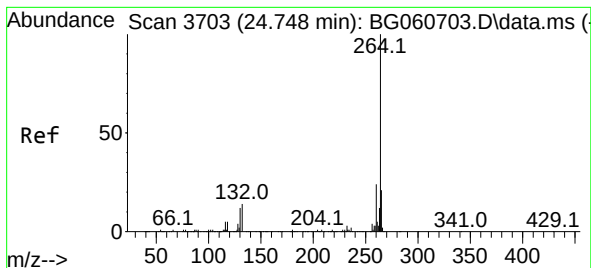
Tgt Ion:228 Resp: 220853
Ion Ratio Lower Upper
228 100
226 31.7 21.7 32.5
229 22.5 15.8 23.8



#83
Chrysene
Concen: 6.809 ng
RT: 21.642 min Scan# 3175
Delta R.T. -0.010 min
Lab File: BG060753.D
Acq: 3 Apr 2024 1:31

Tgt Ion:228 Resp: 220853
Ion Ratio Lower Upper
228 100
226 31.7 24.2 36.4
229 22.5 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.744 min Scan# 31

Delta R.T. -0.004 min

Lab File: BG060753.D

Acq: 3 Apr 2024 1:31

Instrument :

BNA_G

ClientSampleId :

HS-02(0-6)

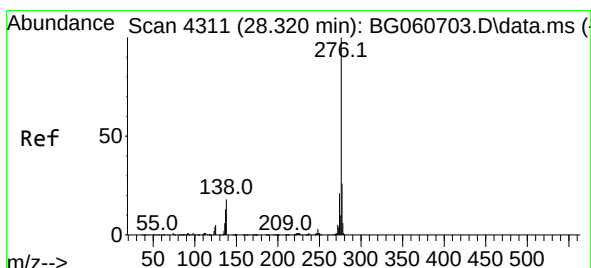
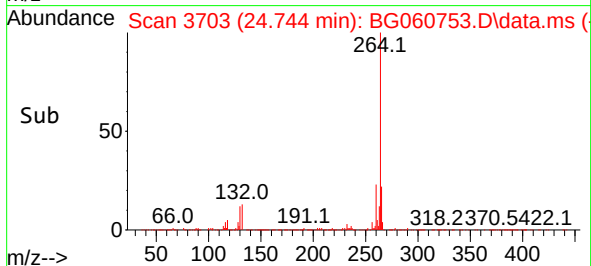
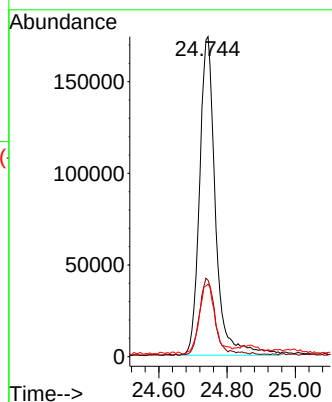
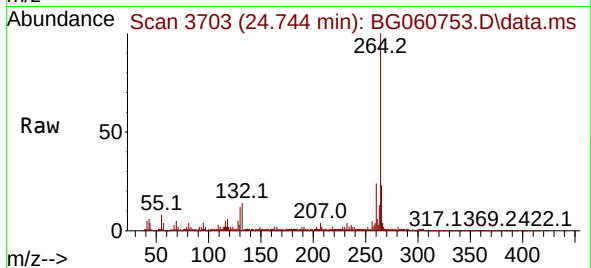
Tgt Ion:264 Resp: 564178

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

265 22.7 16.9 25.3



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.699 ng

RT: 28.299 min Scan# 4308

Delta R.T. -0.021 min

Lab File: BG060753.D

Acq: 3 Apr 2024 1:31

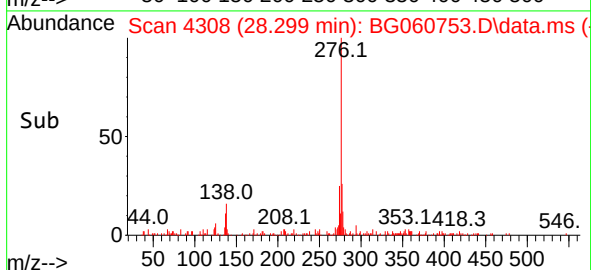
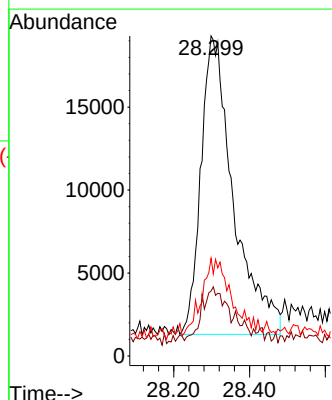
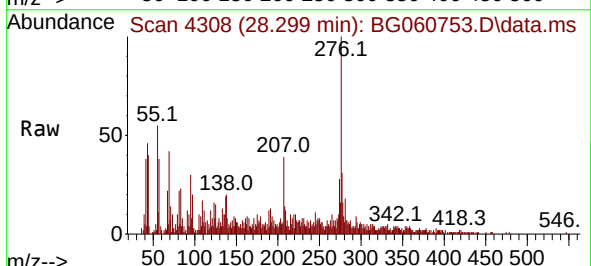
Tgt Ion:276 Resp: 107228

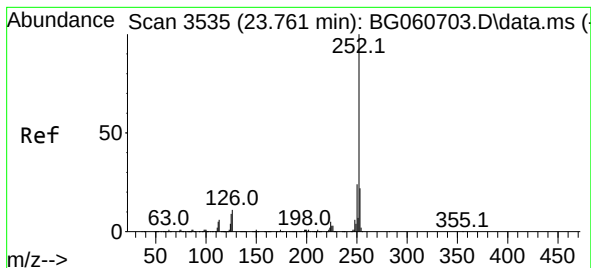
Ion Ratio Lower Upper

276 100

138 13.0 12.4 18.6

277 8.9 20.2 30.2#





#88

Benzo(b)fluoranthene

Concen: 7.055 ng

RT: 23.745 min Scan# 3533

Delta R.T. -0.015 min

Lab File: BG060753.D

Acq: 3 Apr 2024 1:31

Instrument :

BNA_G

ClientSampleId :

HS-02(0-6)

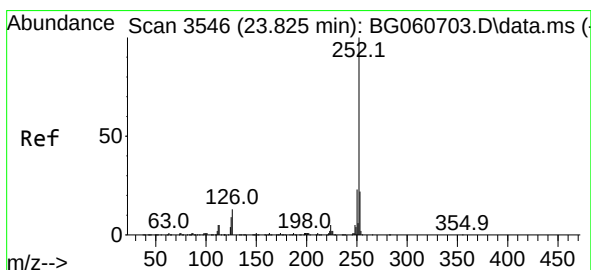
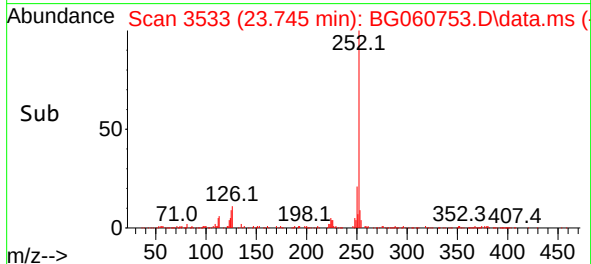
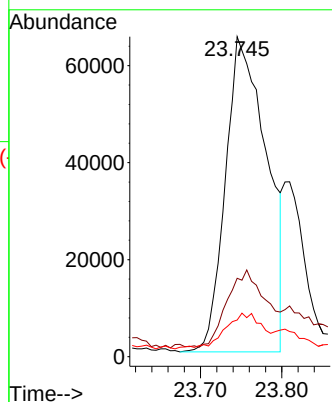
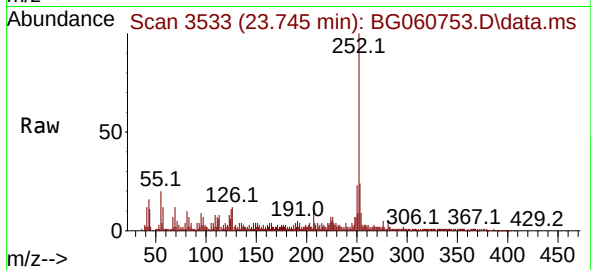
Tgt Ion:252 Resp: 228653

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.8

125 11.5 7.1 10.7#



#89

Benzo(k)fluoranthene

Concen: 6.892 ng

RT: 23.745 min Scan# 3533

Delta R.T. -0.080 min

Lab File: BG060753.D

Acq: 3 Apr 2024 1:31

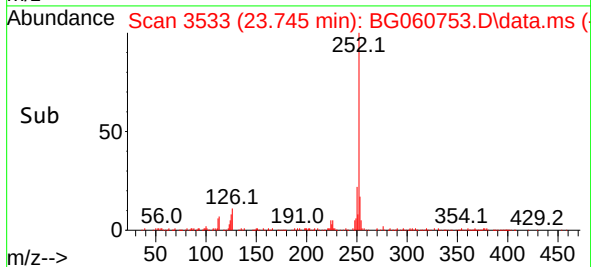
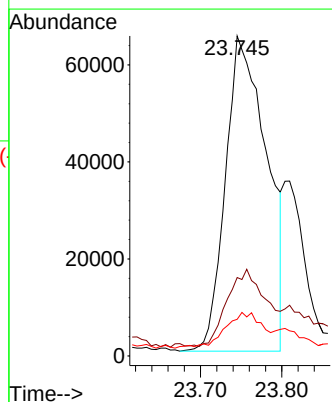
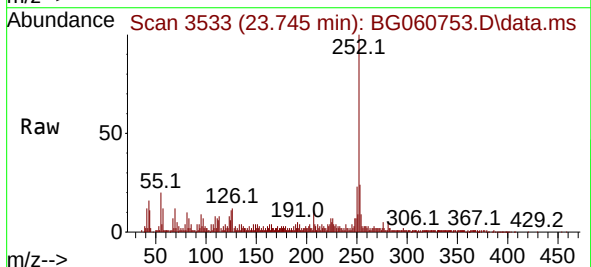
Tgt Ion:252 Resp: 228653

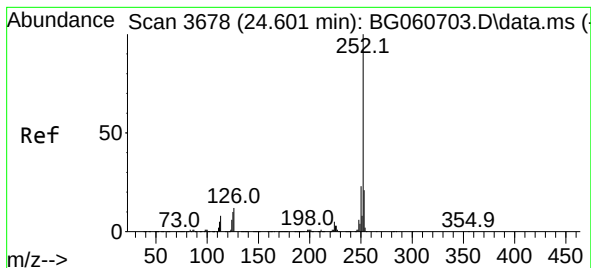
Ion Ratio Lower Upper

252 100

253 24.5 17.6 26.4

125 11.5 7.5 11.3#





#90

Benzo(a)pyrene

Concen: 6.280 ng

RT: 24.591 min Scan# 3

Delta R.T. -0.010 min

Lab File: BG060753.D

Acq: 3 Apr 2024 1:31

Instrument :

BNA_G

ClientSampleId :

HS-02(0-6)

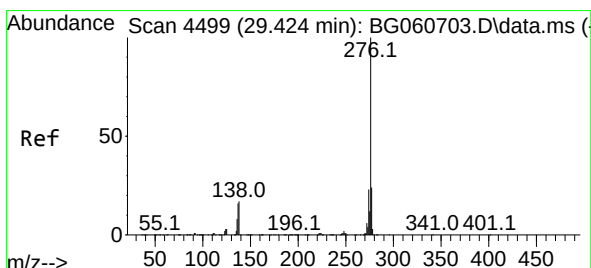
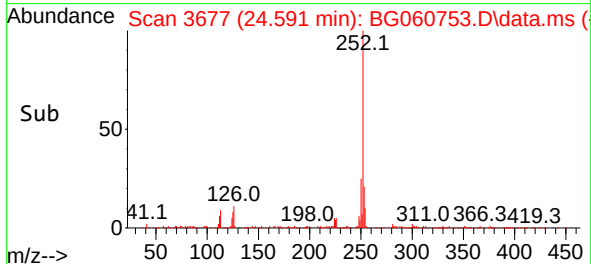
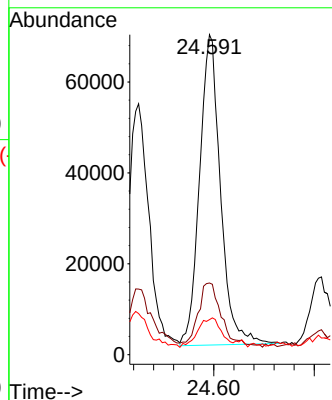
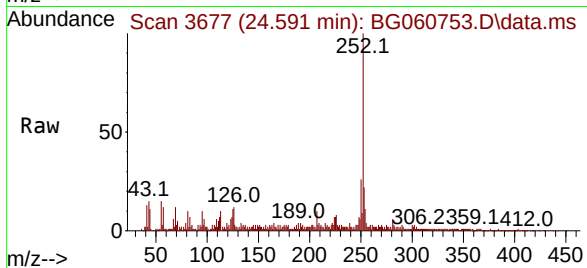
Tgt Ion:252 Resp: 197810

Ion Ratio Lower Upper

252 100

253 22.4 16.8 25.2

125 10.9 7.6 11.4



#92

Benzo(g,h,i)perylene

Concen: 3.540 ng

RT: 29.403 min Scan# 4496

Delta R.T. -0.021 min

Lab File: BG060753.D

Acq: 3 Apr 2024 1:31

Tgt Ion:276 Resp: 115320

Ion Ratio Lower Upper

276 100

277 28.0 18.9 28.3

138 22.0 14.0 21.0#

