

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040324\
 Data File : BG060763.D
 Acq On : 3 Apr 2024 15:27
 Operator : MA/JU
 Sample : P1956-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RBR200010

Quant Time: Apr 03 16:09:25 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)

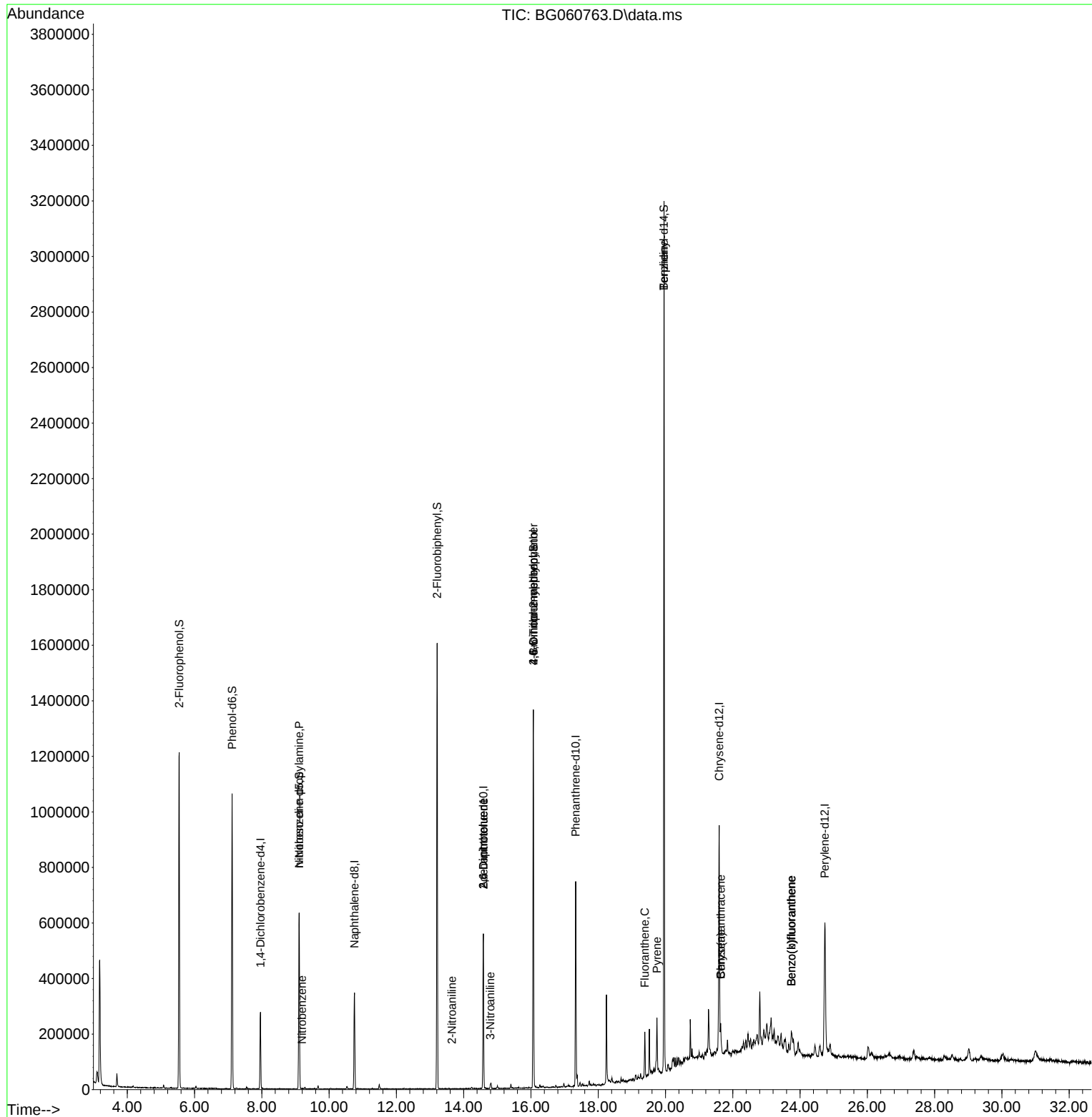
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.958	152	72691	20.000	ng	0.00
21) Naphthalene-d8	10.755	136	282238	20.000	ng	0.00
39) Acenaphthene-d10	14.586	164	197109	20.000	ng	0.00
64) Phenanthrene-d10	17.330	188	464158	20.000	ng	0.00
76) Chrysene-d12	21.595	240	448520	20.000	ng	0.00
86) Perylene-d12	24.739	264	542350	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.544	112	490514	112.413	ng	0.00
7) Phenol-d6	7.118	99	535172	82.625	ng	0.00
23) Nitrobenzene-d5	9.110	82	342460	69.237	ng	0.00
42) 2,4,6-Tribromophenol	16.072	330	265487	118.653	ng	0.00
45) 2-Fluorobiphenyl	13.211	172	825220	61.444	ng	0.00
79) Terphenyl-d14	19.956	244	1558515	61.185	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.110	70	47432	9.603	ng	# 74
24) Nitrobenzene	9.192	77	62	2.783	ng	# 42
48) 2-Nitroaniline	13.652	65	55	2.808	ng	# 11
51) 2,6-Dinitrotoluene	14.586	165	25660	12.023	ng	# 19
53) 3-Nitroaniline	14.792	138	110	2.885	ng	# 1
57) 2,4-Dinitrotoluene	14.586	165	25660	10.117	ng	# 20
65) 4,6-Dinitro-2-methylph...	16.072	198	827	7.402	ng	# 1
67) 4-Bromophenyl-phenylether	16.072	248	18167	3.857	ng	# 1
75) Fluoranthene	19.386	202	93593	3.195	ng	97
77) Benzidine	19.956	184	24119	2.042	ng	# 93
78) Pyrene	19.745	202	123201	3.928	ng	99
81) Benzo(a)anthracene	21.642	228	81196	2.568	ng	96
83) Chrysene	21.642	228	81196	2.665	ng	96
88) Benzo(b)fluoranthene	23.740	252	101038	3.243	ng	96
89) Benzo(k)fluoranthene	23.740	252	101038	3.168	ng	96

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

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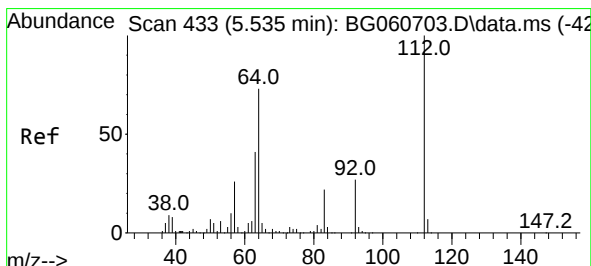
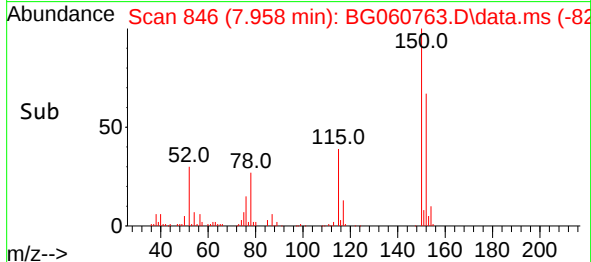
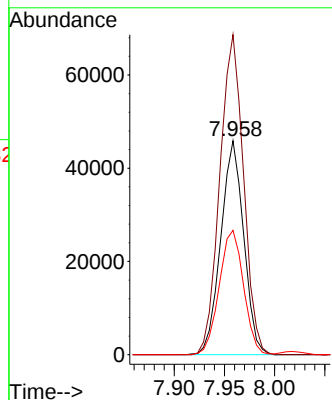
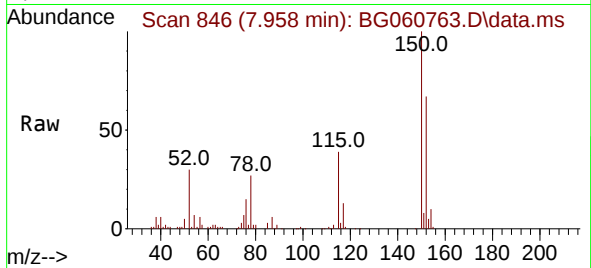




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.958 min Scan# 846
 Delta R.T. -0.003 min
 Lab File: BG060763.D
 Acq: 3 Apr 2024 15:27

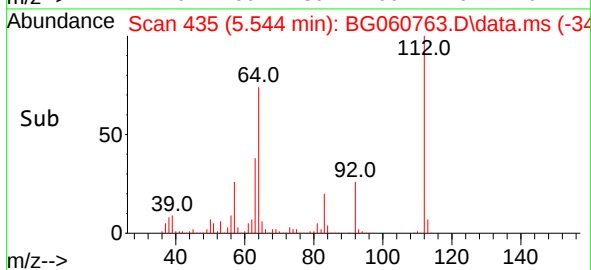
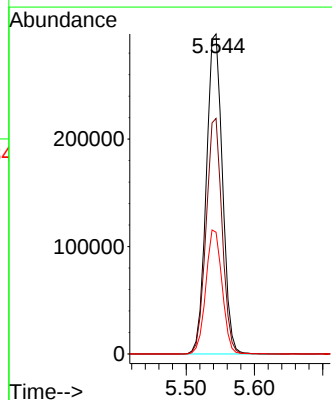
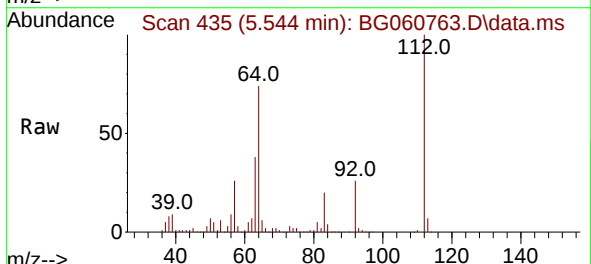
Instrument :
 BNA_G
 ClientSampleId :
 RBR200010

Tgt Ion:152 Resp: 72691
 Ion Ratio Lower Upper
 152 100
 150 149.6 130.2 195.4
 115 58.1 51.6 77.4



#5
 2-Fluorophenol
 Concen: 112.413 ng
 RT: 5.544 min Scan# 435
 Delta R.T. 0.009 min
 Lab File: BG060763.D
 Acq: 3 Apr 2024 15:27

Tgt Ion:112 Resp: 490514
 Ion Ratio Lower Upper
 112 100
 64 73.6 58.4 87.6
 63 38.0 32.7 49.1

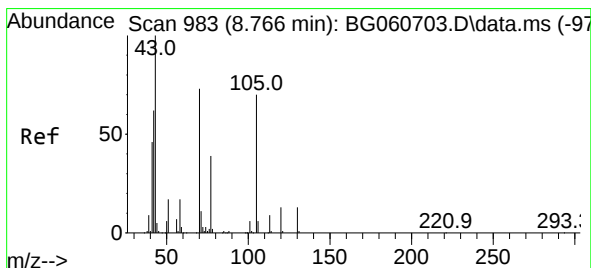
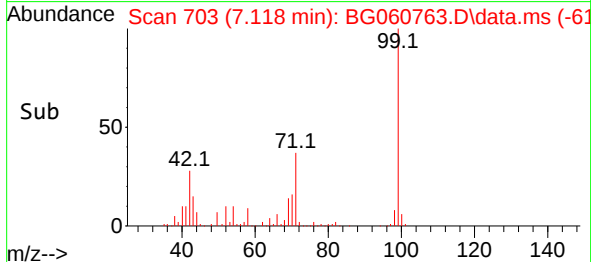
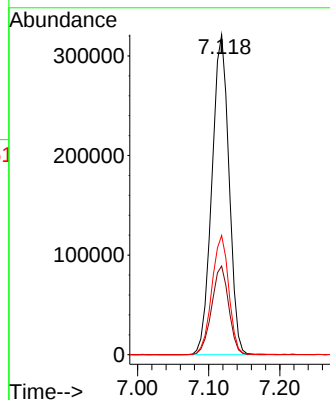
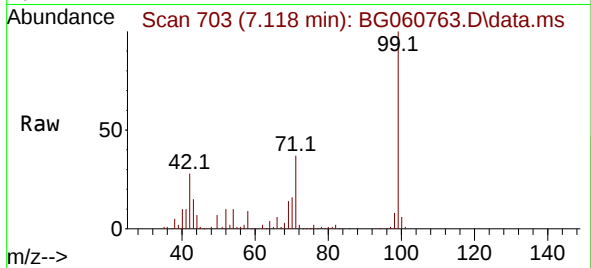




#7
Phenol-d6
Concen: 82.625 ng
RT: 7.118 min Scan# 70
Delta R.T. 0.003 min
Lab File: BG060763.D
Acq: 3 Apr 2024 15:27

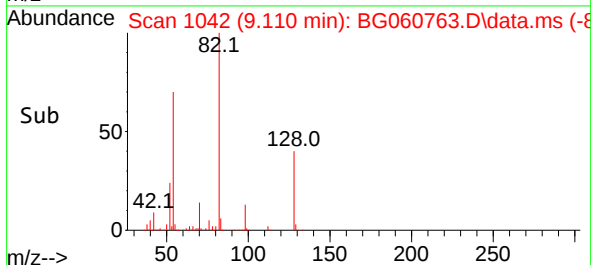
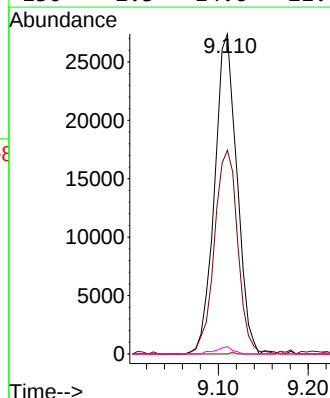
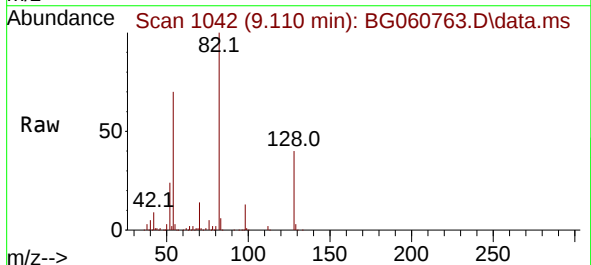
Instrument :
BNA_G
ClientSampleId :
RBR200010

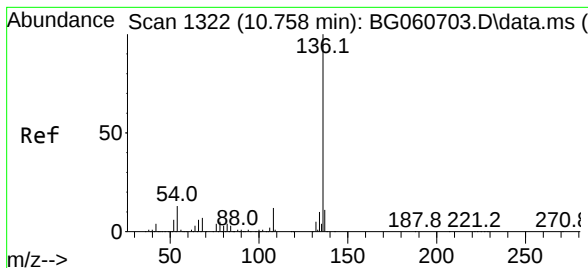
Tgt Ion: 99 Resp: 535172
Ion Ratio Lower Upper
99 100
42 27.7 19.4 29.2
71 37.3 28.2 42.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.603 ng
RT: 9.110 min Scan# 1042
Delta R.T. 0.344 min
Lab File: BG060763.D
Acq: 3 Apr 2024 15:27

Tgt Ion: 70 Resp: 47432
Ion Ratio Lower Upper
70 100
42 63.7 68.4 102.6#
101 0.0 6.1 9.1#
130 2.3 14.6 21.8#

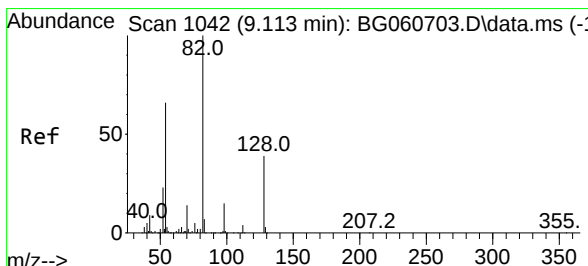
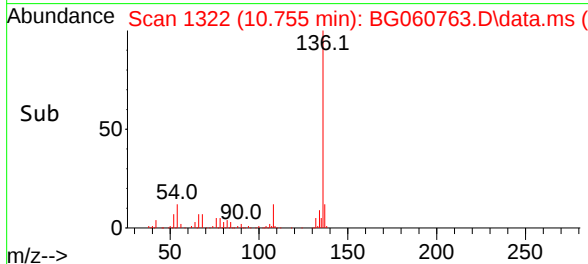
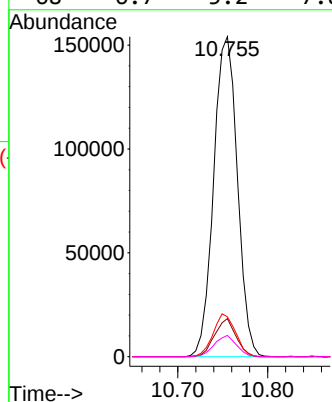
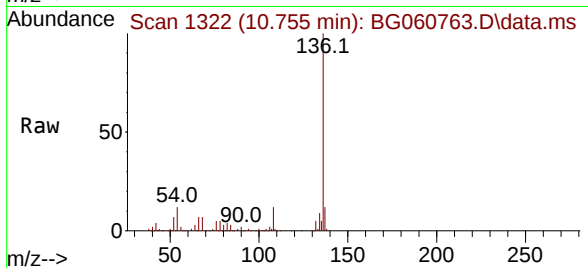




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.755 min Scan# 1322
Delta R.T. -0.003 min
Lab File: BG060763.D
Acq: 3 Apr 2024 15:27

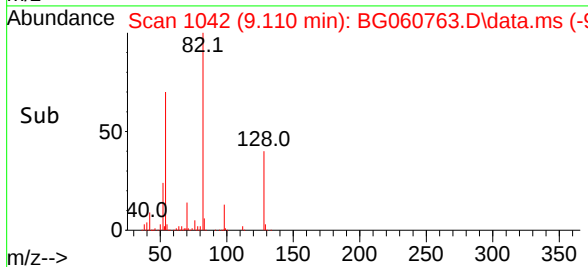
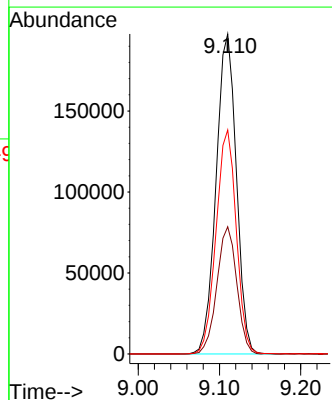
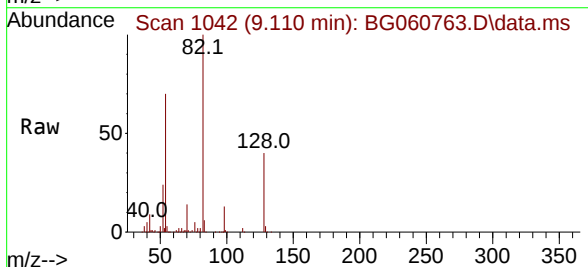
Instrument :
BNA_G
ClientSampleId :
RBR200010

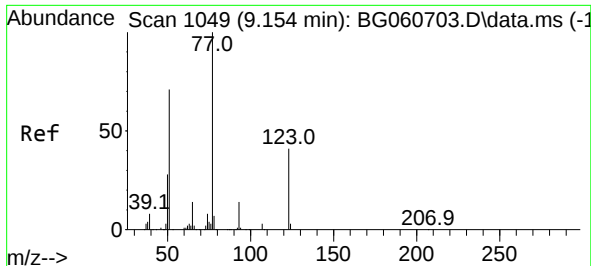
Tgt Ion:	136	Resp:	282238
Ion	Ratio	Lower	Upper
136	100		
137	11.9	8.8	13.2
54	12.5	10.2	15.2
68	6.7	5.2	7.8



#23
Nitrobenzene-d5
Concen: 69.237 ng
RT: 9.110 min Scan# 1042
Delta R.T. -0.003 min
Lab File: BG060763.D
Acq: 3 Apr 2024 15:27

Tgt Ion:	82	Resp:	342460
Ion	Ratio	Lower	Upper
82	100		
128	39.7	31.2	46.8
54	70.0	53.2	79.8

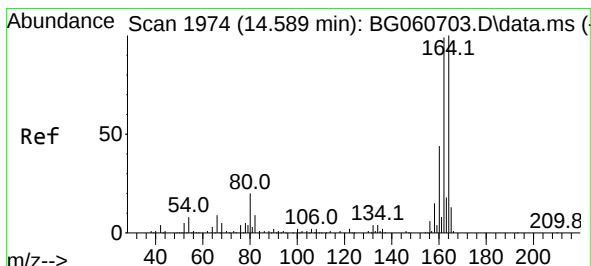
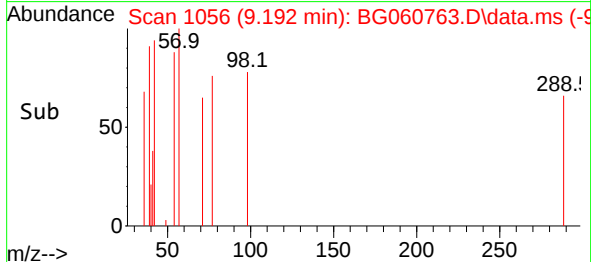
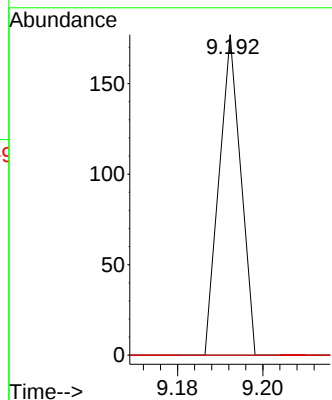
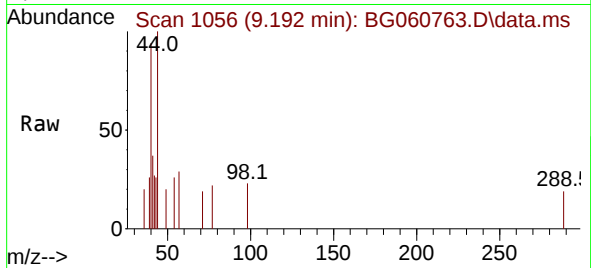




#24
Nitrobenzene
Concen: 2.783 ng
RT: 9.192 min Scan# 1056
Delta R.T. 0.038 min
Lab File: BG060763.D
Acq: 3 Apr 2024 15:27

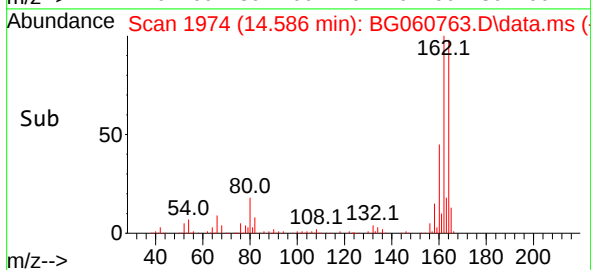
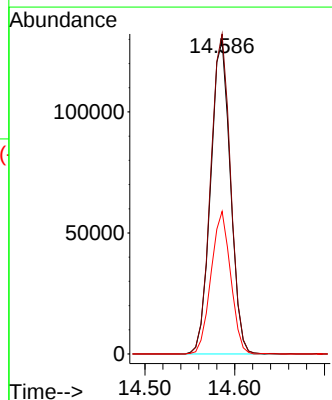
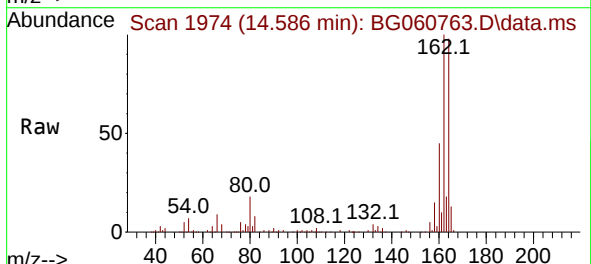
Instrument :
BNA_G
ClientSampleId :
RBR200010

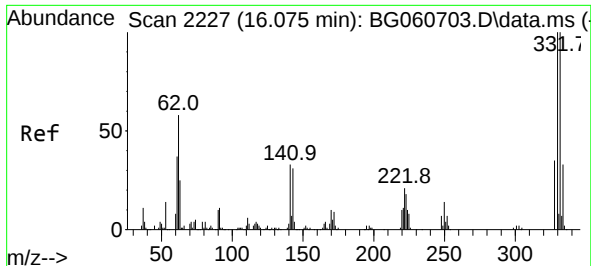
Tgt Ion: 77 Resp: 62
Ion Ratio Lower Upper
77 100
123 0.0 32.7 49.1#
65 0.0 11.3 16.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.586 min Scan# 1974
Delta R.T. -0.003 min
Lab File: BG060763.D
Acq: 3 Apr 2024 15:27

Tgt Ion:164 Resp: 197109
Ion Ratio Lower Upper
164 100
162 102.3 79.5 119.3
160 45.6 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 118.653 ng

RT: 16.072 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG060763.D

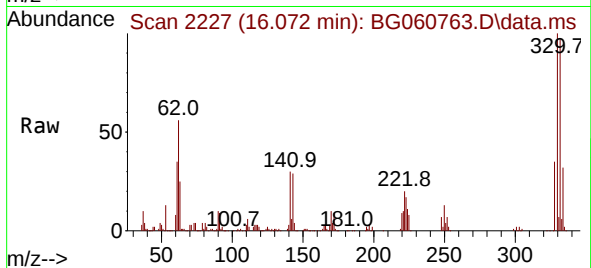
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Instrument :

BNA_G

ClientSampleId :

RBR200010



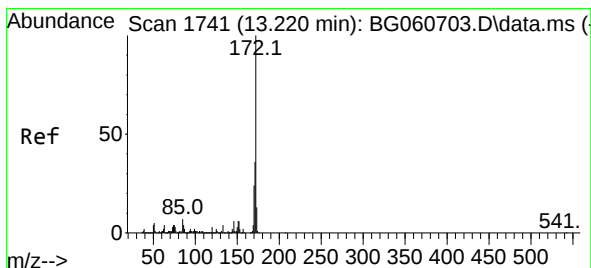
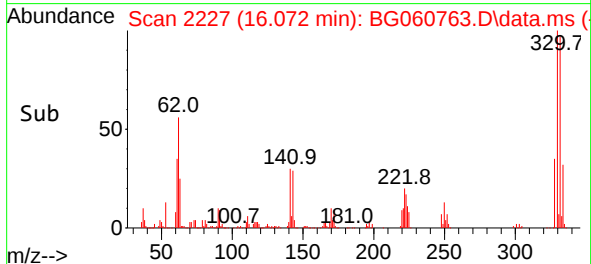
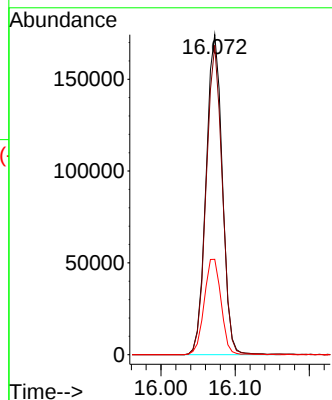
Tgt Ion:330 Resp: 265487

Ion Ratio Lower Upper

330 100

332 95.3 78.2 117.4

141 31.0 27.0 40.6



#45

2-Fluorobiphenyl

Concen: 61.444 ng

RT: 13.211 min Scan# 1740

Delta R.T. -0.009 min

Lab File: BG060763.D

Acq: 3 Apr 2024 15:27

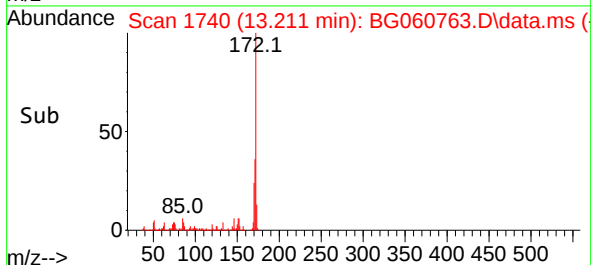
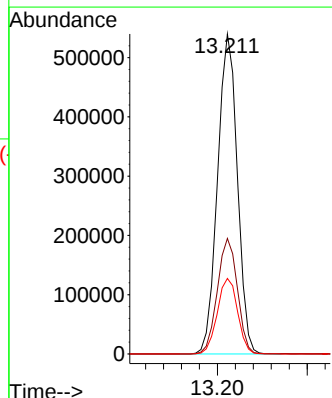
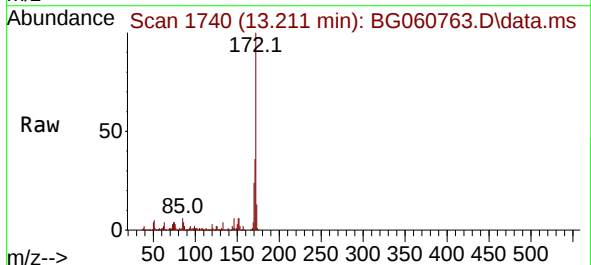
Tgt Ion:172 Resp: 825220

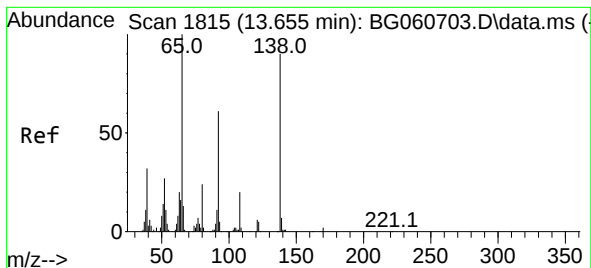
Ion Ratio Lower Upper

172 100

171 36.1 28.7 43.1

170 23.6 19.4 29.0

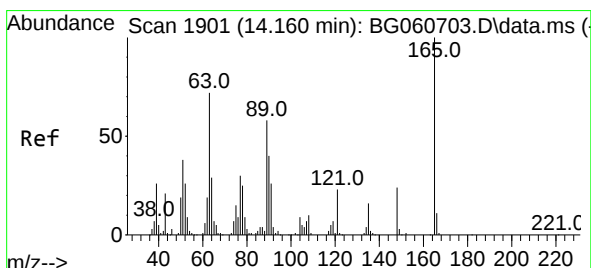
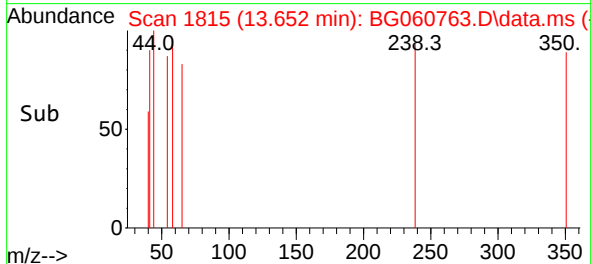
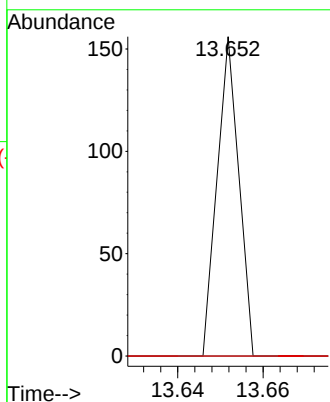
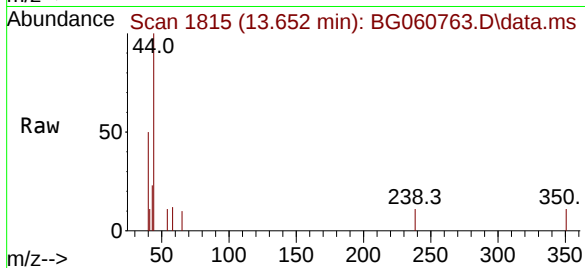




#48
2-Nitroaniline
Concen: 2.808 ng
RT: 13.652 min Scan# 1815
Delta R.T. -0.003 min
Lab File: BG060763.D
Acq: 3 Apr 2024 15:27

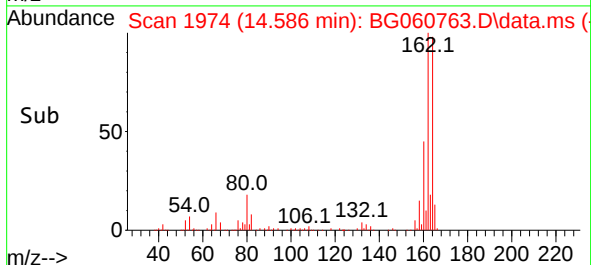
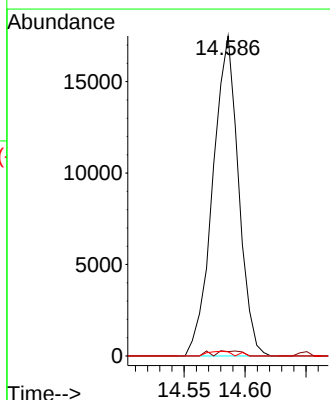
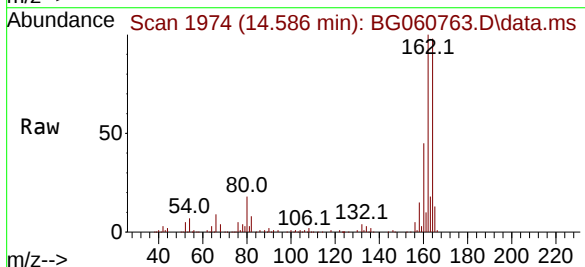
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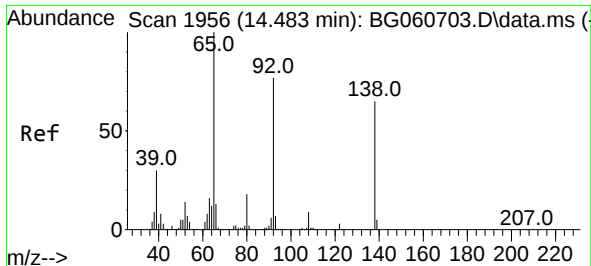
Tgt Ion: 65 Resp: 55
Ion Ratio Lower Upper
65 100
92 0.0 48.6 72.8#
138 0.0 72.2 108.4#



#51
2,6-Dinitrotoluene
Concen: 12.023 ng
RT: 14.586 min Scan# 1974
Delta R.T. 0.426 min
Lab File: BG060763.D
Acq: 3 Apr 2024 15:27

Tgt Ion: 165 Resp: 25660
Ion Ratio Lower Upper
165 100
63 1.4 58.2 87.4#
89 1.3 46.1 69.1#

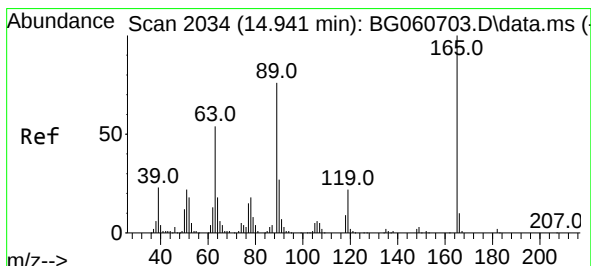
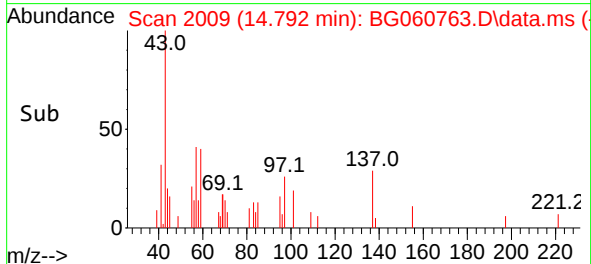
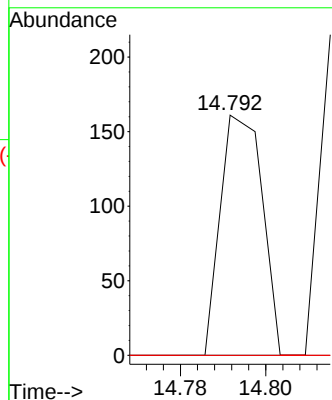
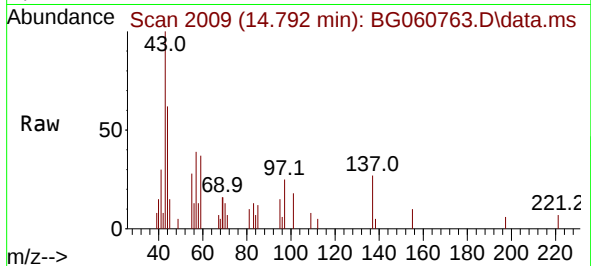




#53
3-Nitroaniline
Concen: 2.885 ng
RT: 14.792 min Scan# 2099
Delta R.T. 0.309 min
Lab File: BG060763.D
Acq: 3 Apr 2024 15:27

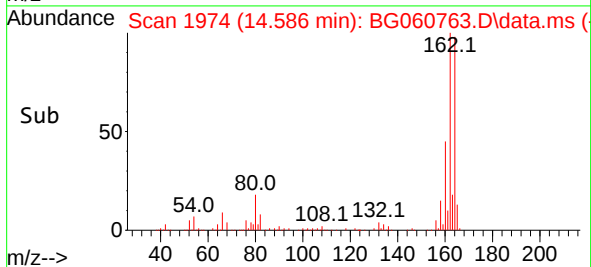
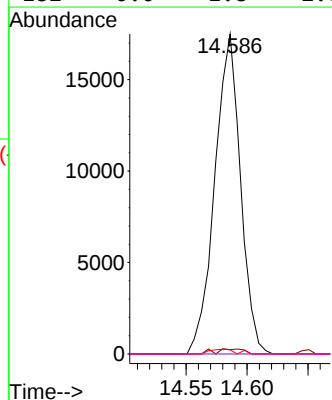
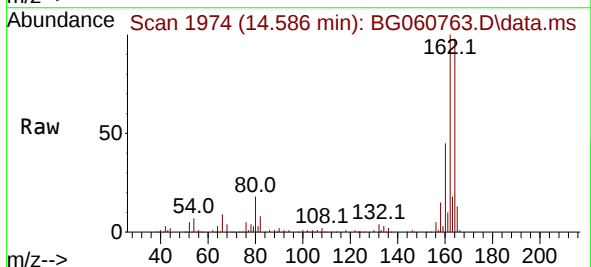
Instrument :
BNA_G
ClientSampleId :
RBR200010

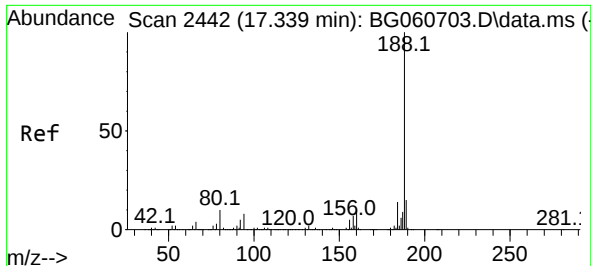
Tgt Ion:138 Resp: 110
Ion Ratio Lower Upper
138 100
108 0.0 11.3 16.9#
92 0.0 94.1 141.1#



#57
2,4-Dinitrotoluene
Concen: 10.117 ng
RT: 14.586 min Scan# 1974
Delta R.T. -0.355 min
Lab File: BG060763.D
Acq: 3 Apr 2024 15:27

Tgt Ion:165 Resp: 25660
Ion Ratio Lower Upper
165 100
63 1.4 43.4 65.0#
89 1.3 61.0 91.6#
182 0.0 1.8 2.6#

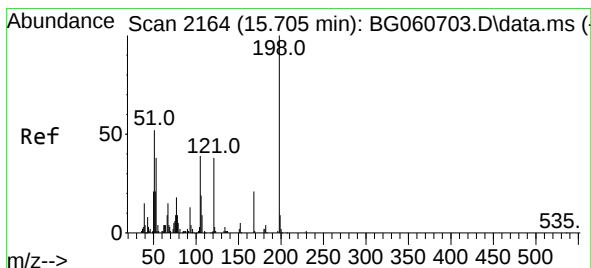
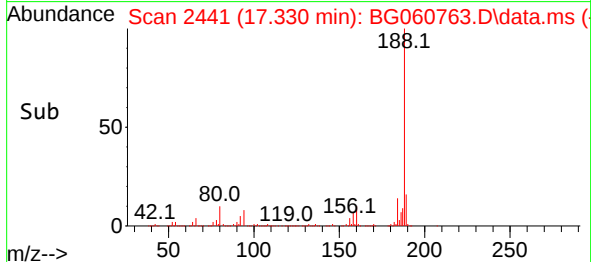
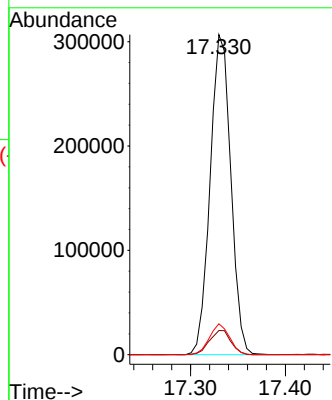
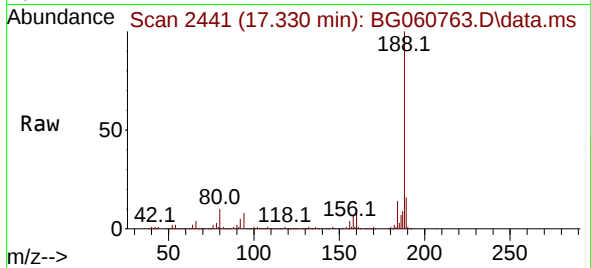




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.330 min Scan# 2442
Delta R.T. -0.009 min
Lab File: BG060763.D
Acq: 3 Apr 2024 15:27

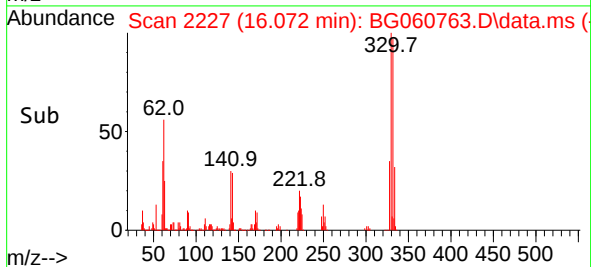
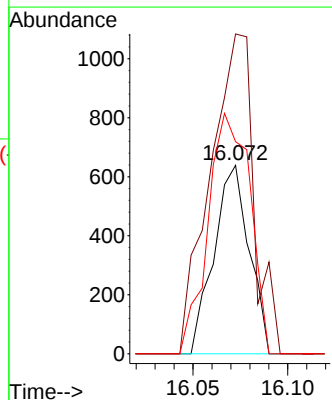
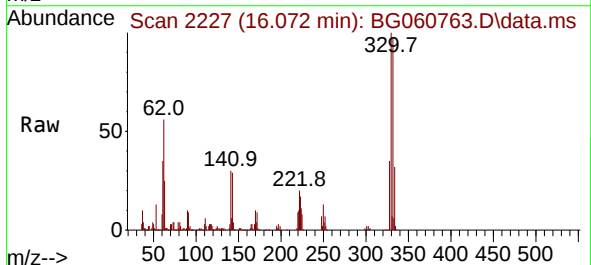
Instrument :
BNA_G
ClientSampleId :
RBR200010

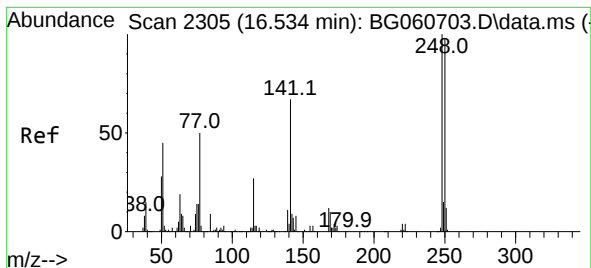
Tgt Ion:188 Resp: 464158
Ion Ratio Lower Upper
188 100
94 7.5 6.6 9.8
80 9.6 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 7.402 ng
RT: 16.072 min Scan# 2227
Delta R.T. 0.367 min
Lab File: BG060763.D
Acq: 3 Apr 2024 15:27

Tgt Ion:198 Resp: 827
Ion Ratio Lower Upper
198 100
51 169.6 36.7 76.7#
105 112.5 19.1 59.1#

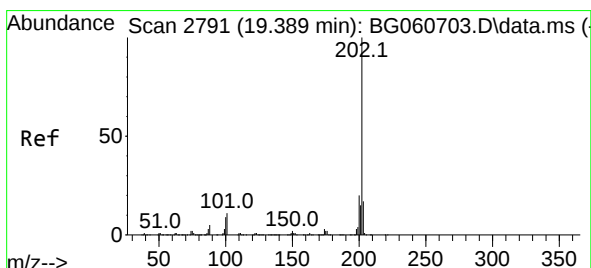
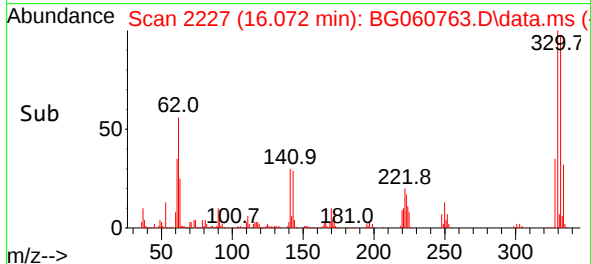
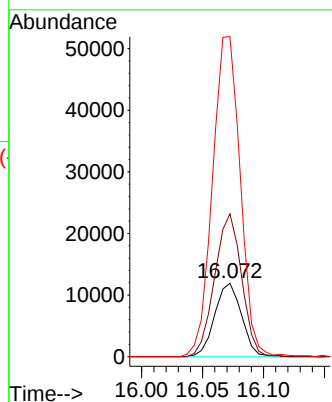
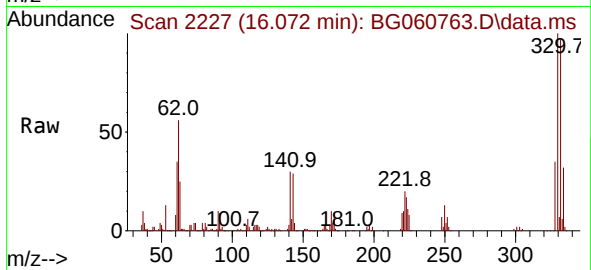




#67
4-Bromophenyl-phenylether
Concen: 3.857 ng
RT: 16.072 min Scan# 211
Delta R.T. -0.462 min
Lab File: BG060763.D
Acq: 3 Apr 2024 15:27

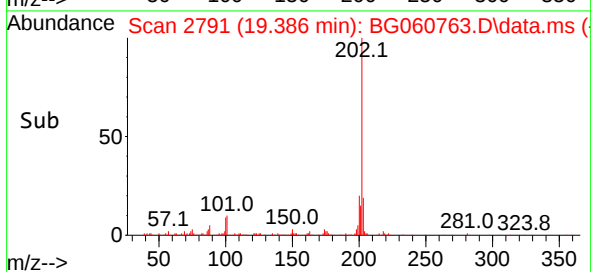
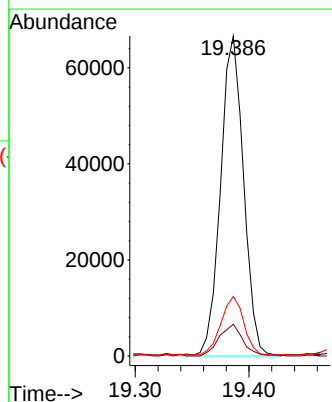
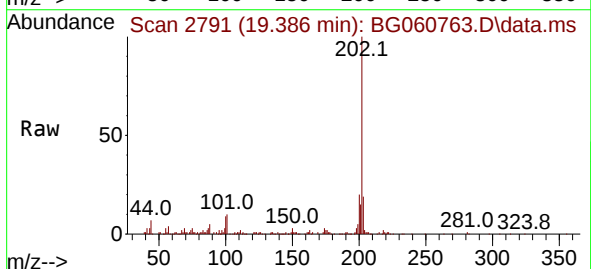
Instrument :
BNA_G
ClientSampleId :
RBR200010

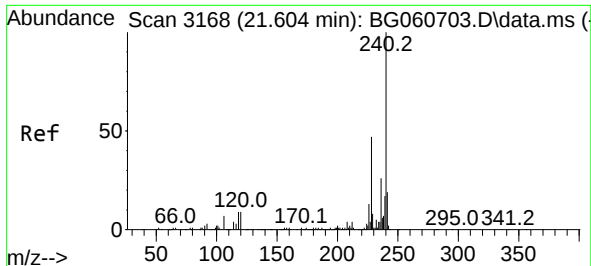
Tgt Ion:248 Resp: 18167
Ion Ratio Lower Upper
248 100
250 194.4 78.3 117.5#
141 435.3 53.7 80.5#



#75
Fluoranthene
Concen: 3.195 ng
RT: 19.386 min Scan# 2791
Delta R.T. -0.003 min
Lab File: BG060763.D
Acq: 3 Apr 2024 15:27

Tgt Ion:202 Resp: 93593
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.8
203 18.6 0.0 37.4

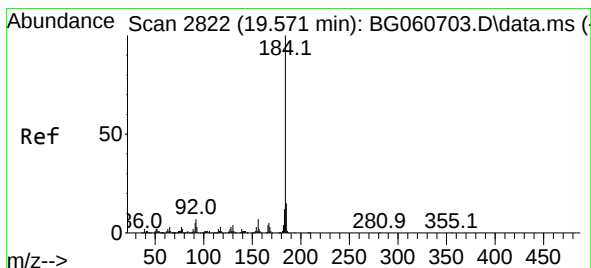
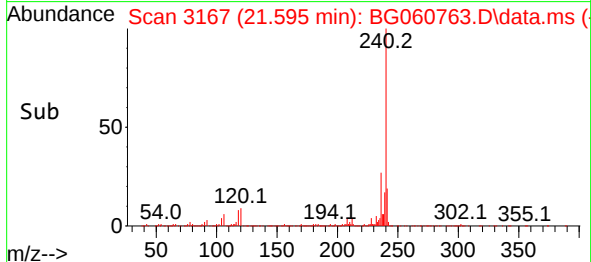
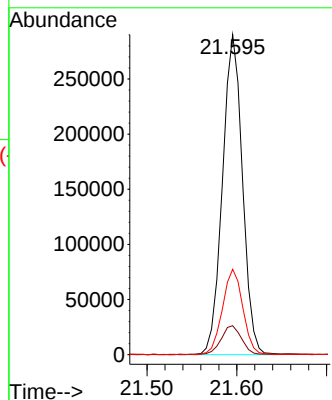
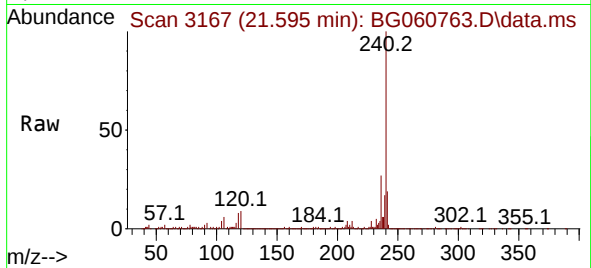




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.595 min Scan# 3167
Delta R.T. -0.009 min
Lab File: BG060763.D
Acq: 3 Apr 2024 15:27

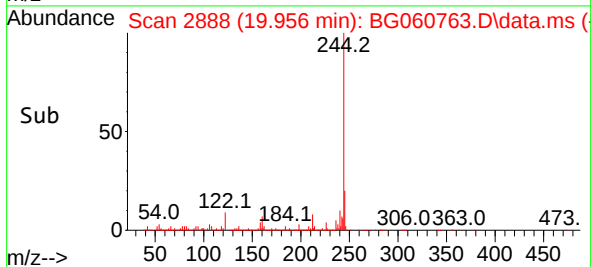
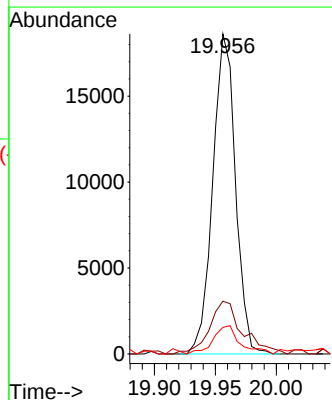
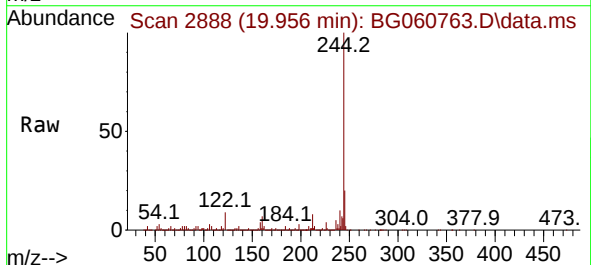
Instrument :
BNA_G
ClientSampleId :
RBR200010

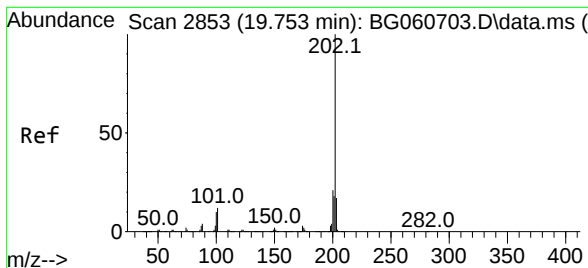
Tgt Ion:240 Resp: 448520
Ion Ratio Lower Upper
240 100
120 9.1 7.1 10.7
236 26.7 20.7 31.1



#77
Benzidine
Concen: 2.042 ng
RT: 19.956 min Scan# 2888
Delta R.T. 0.385 min
Lab File: BG060763.D
Acq: 3 Apr 2024 15:27

Tgt Ion:184 Resp: 24119
Ion Ratio Lower Upper
184 100
185 16.5 11.8 17.6
183 8.3 9.5 14.3#





#78

Pyrene

Concen: 3.928 ng

RT: 19.745 min Scan# 2853

Delta R.T. -0.009 min

Lab File: BG060763.D

Acq: 3 Apr 2024 15:27

Instrument :

BNA_G

ClientSampleId :

RBR200010

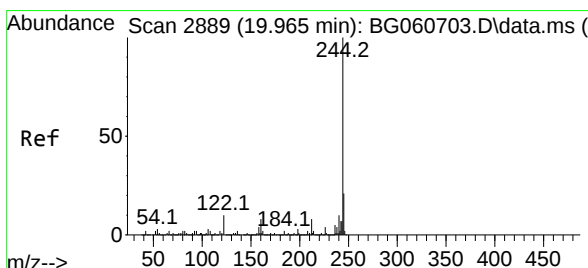
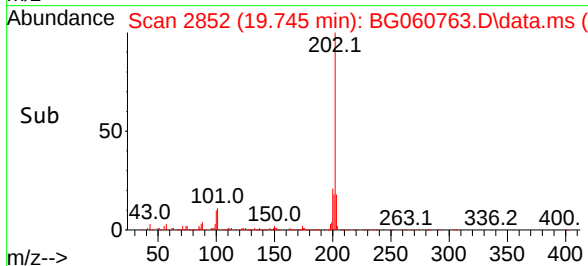
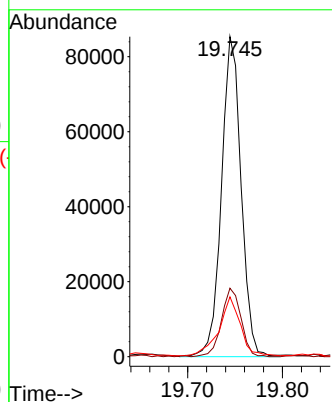
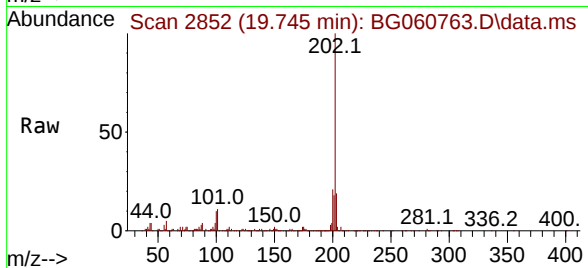
Tgt Ion:202 Resp: 123201

Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.4

203 18.7 14.0 21.0



#79

Terphenyl-d14

Concen: 61.185 ng

RT: 19.956 min Scan# 2888

Delta R.T. -0.009 min

Lab File: BG060763.D

Acq: 3 Apr 2024 15:27

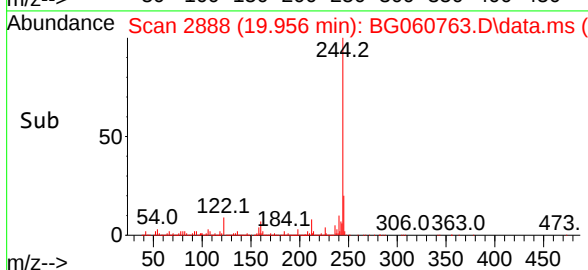
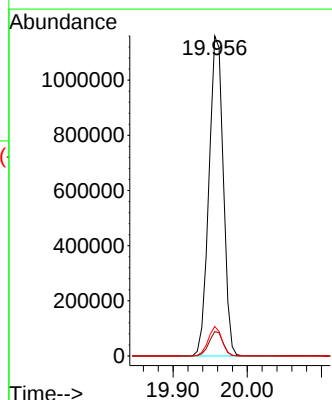
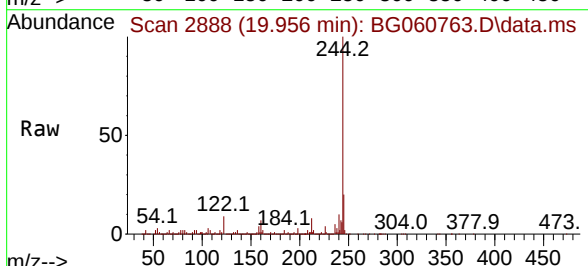
Tgt Ion:244 Resp: 1558515

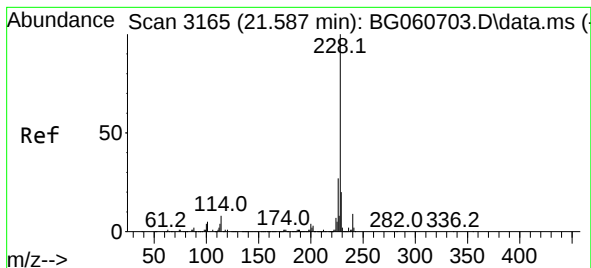
Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

122 9.2 7.8 11.8





#81

Benzo(a)anthracene

Concen: 2.568 ng

RT: 21.642 min Scan# 3175

Delta R.T. 0.056 min

Lab File: BG060763.D

Acq: 3 Apr 2024 15:27

Instrument :

BNA_G

ClientSampleId :

RBR200010

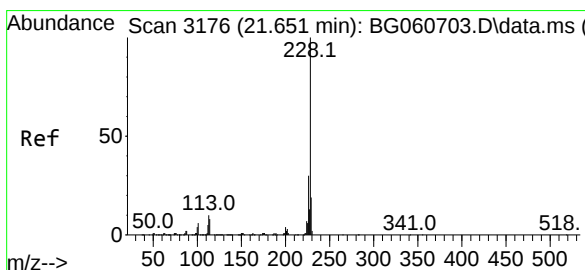
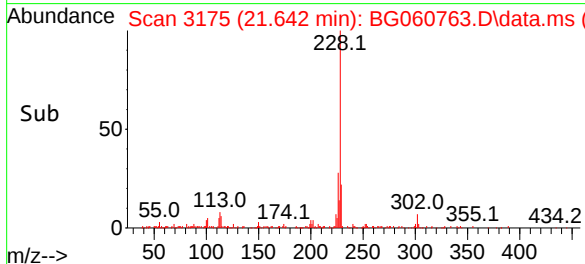
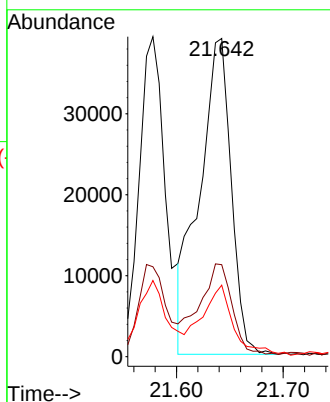
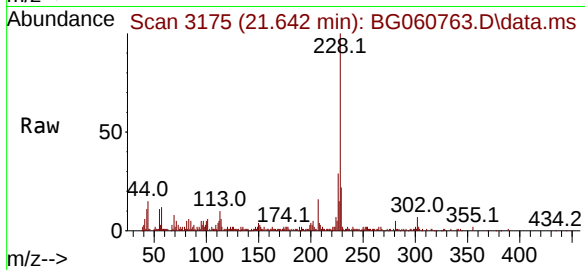
Tgt Ion:228 Resp: 81196

Ion Ratio Lower Upper

228 100

226 28.9 21.7 32.5

229 22.5 15.8 23.8



#83

Chrysene

Concen: 2.665 ng

RT: 21.642 min Scan# 3175

Delta R.T. -0.009 min

Lab File: BG060763.D

Acq: 3 Apr 2024 15:27

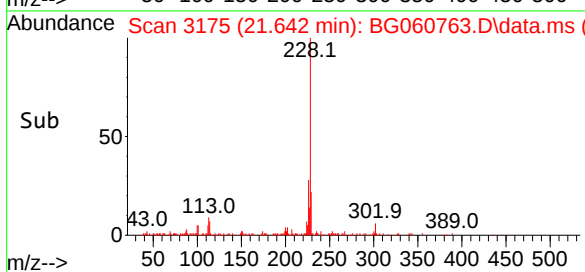
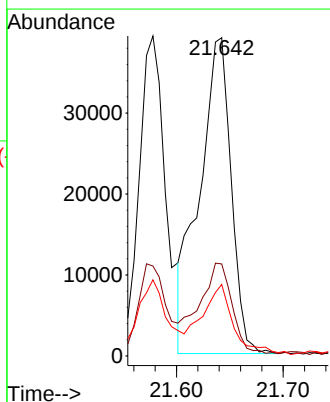
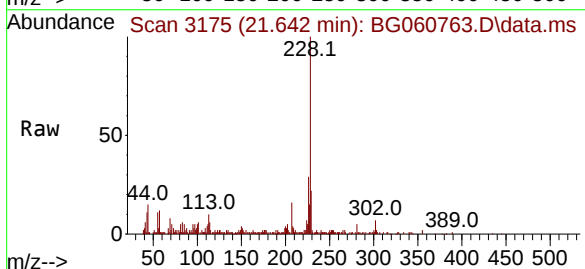
Tgt Ion:228 Resp: 81196

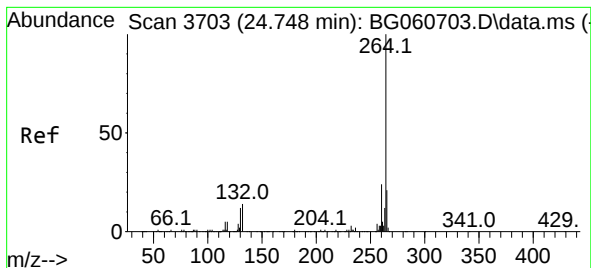
Ion Ratio Lower Upper

228 100

226 28.9 24.2 36.4

229 22.5 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.739 min Scan# 31

Delta R.T. -0.009 min

Lab File: BG060763.D

Acq: 3 Apr 2024 15:27

Instrument :

BNA_G

ClientSampleId :

RBR200010

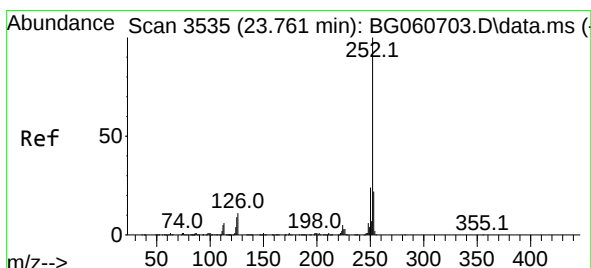
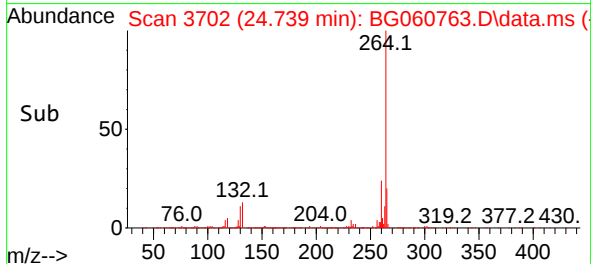
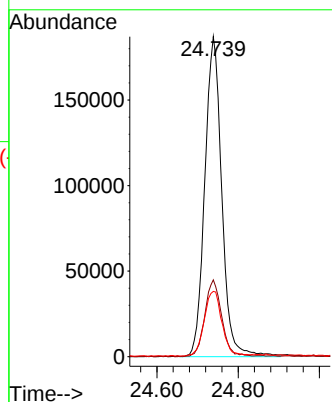
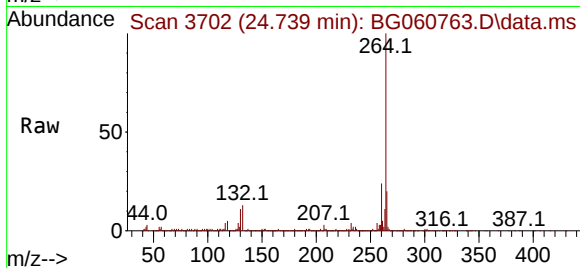
Tgt Ion:264 Resp: 542350

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 20.4 16.9 25.3



#88

Benzo(b)fluoranthene

Concen: 3.243 ng

RT: 23.740 min Scan# 3532

Delta R.T. -0.021 min

Lab File: BG060763.D

Acq: 3 Apr 2024 15:27

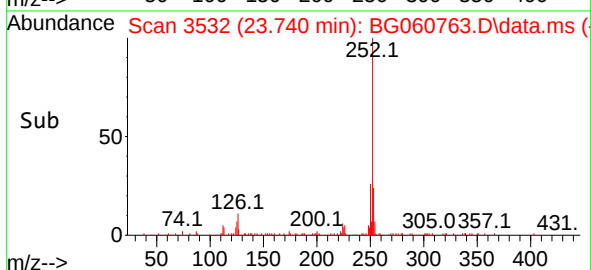
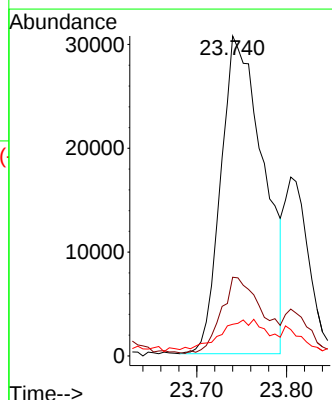
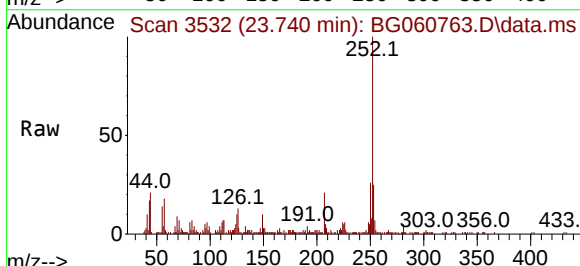
Tgt Ion:252 Resp: 101038

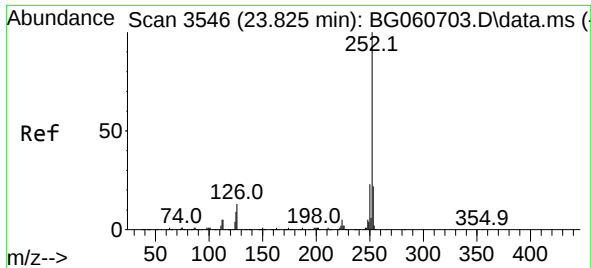
Ion Ratio Lower Upper

252 100

253 24.6 17.8 26.8

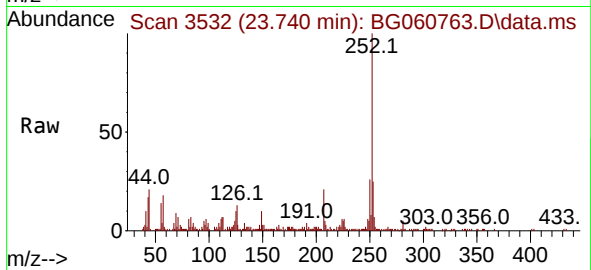
125 9.9 7.1 10.7





#89
Benzo(k)fluoranthene
Concen: 3.168 ng
RT: 23.740 min Scan# 31
Delta R.T. -0.085 min
Lab File: BG060763.D
Acq: 3 Apr 2024 15:27

Instrument :
BNA_G
ClientSampleId :
RBR200010



Tgt Ion:252 Resp: 101038
Ion Ratio Lower Upper
252 100
253 24.6 17.6 26.4
125 9.9 7.5 11.3

