

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
 Data File : BG061098.D
 Acq On : 2 May 2024 18:10
 Operator : MA/JU
 Sample : P2330-21DL 20X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 03 00:39:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

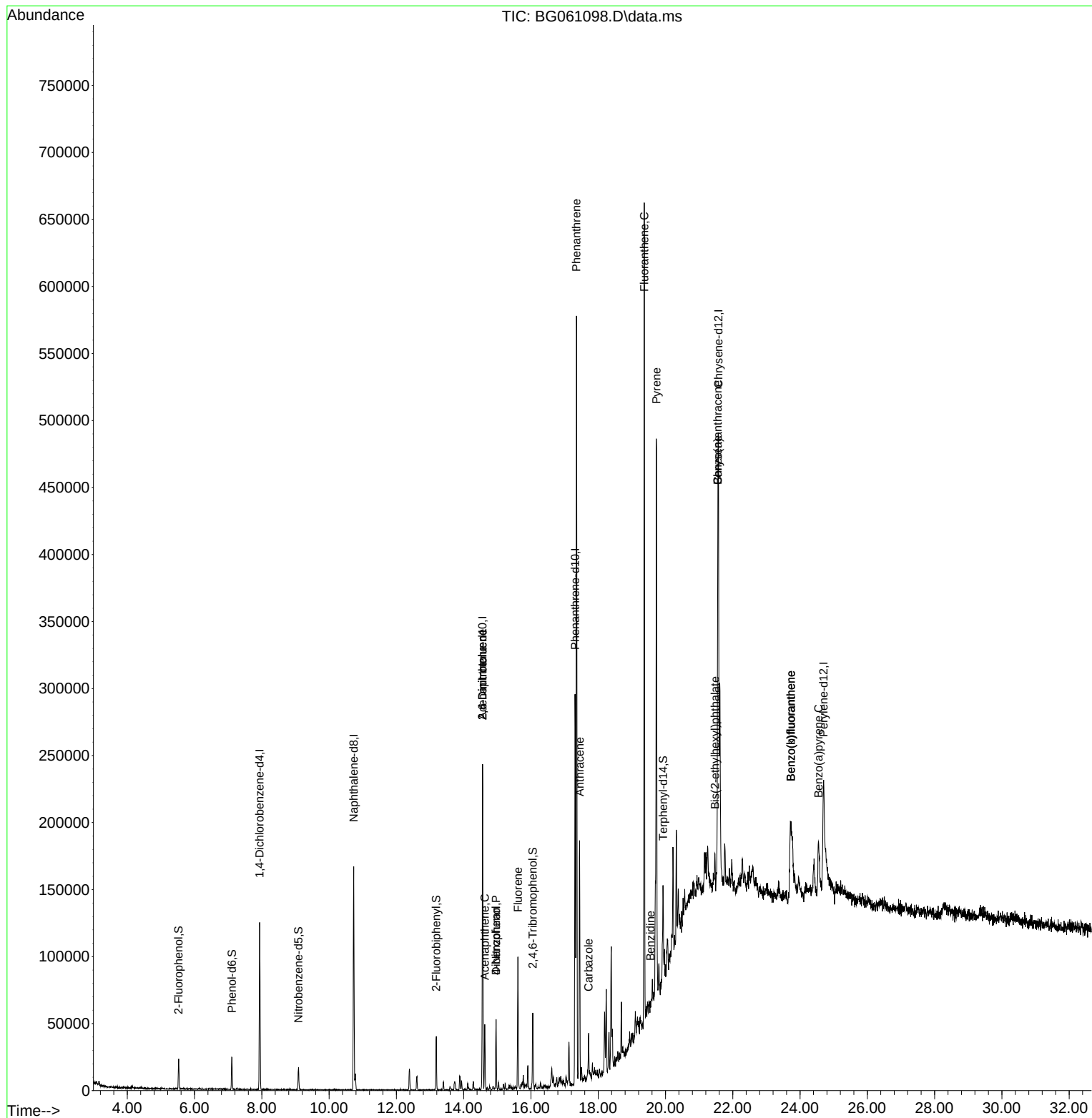
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	32154	20.000	ng	-0.03
21) Naphthalene-d8	10.732	136	125290	20.000	ng	-0.03
39) Acenaphthene-d10	14.563	164	88421	20.000	ng	-0.03
64) Phenanthrene-d10	17.313	188	194976	20.000	ng	-0.02
76) Chrysene-d12	21.572	240	187287	20.000	ng	-0.02
86) Perylene-d12	24.698	264	156195	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	8479	5.363	ng	-0.02
7) Phenol-d6	7.113	99	11083	4.739	ng	-0.02
23) Nitrobenzene-d5	9.093	82	8944	3.539	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	8348	4.723	ng	-0.02
45) 2-Fluorobiphenyl	13.188	172	23177	3.876	ng	-0.02
79) Terphenyl-d14	19.927	244	36313	3.225	ng	-0.03
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.563	165	11677	7.993	ng	# 15
52) Acenaphthene	14.628	154	16920	3.890	ng	# 82
55) Dibenzofuran	14.962	168	29593	4.028	ng	98
56) 4-Nitrophenol	14.962	139	12497	11.569	ng	# 1
57) 2,4-Dinitrotoluene	14.563	165	11677	5.403	ng	# 17
58) Fluorene	15.615	166	42320	6.657	ng	97
71) Phenanthrene	17.354	178	372149	41.743	ng	100
72) Anthracene	17.448	178	117322	13.189	ng	98
73) Carbazole	17.712	167	21877	2.797	ng	97
75) Fluoranthene	19.369	202	386770	31.667	ng	99
77) Benzidine	19.557	184	692	2.978	ng	# 1
78) Pyrene	19.733	202	300194	25.212	ng	98
81) Benzo(a)anthracene	21.555	228	143453	11.705	ng	99
83) Chrysene	21.555	228	143453	12.493	ng	95
84) Bis(2-ethylhexyl)phtha...	21.472	149	10801	2.195	ng	# 95
88) Benzo(b)fluoranthene	23.729	252	89524	10.257	ng	# 98
89) Benzo(k)fluoranthene	23.729	252	89524	10.662	ng	# 96
90) Benzo(a)pyrene	24.551	252	66090	8.691	ng	# 90

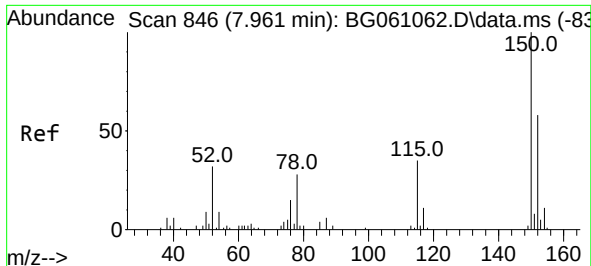
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
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Instrument :
BNA_G
ClientSampleId :

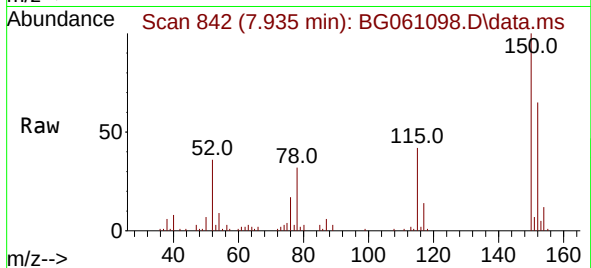
Quant Time: May 03 00:39:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration



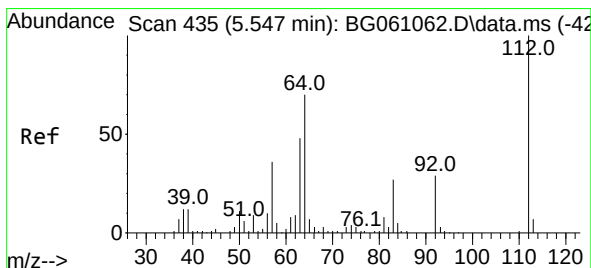
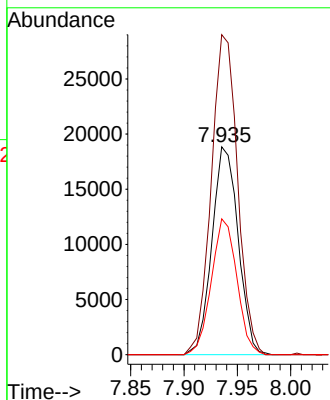
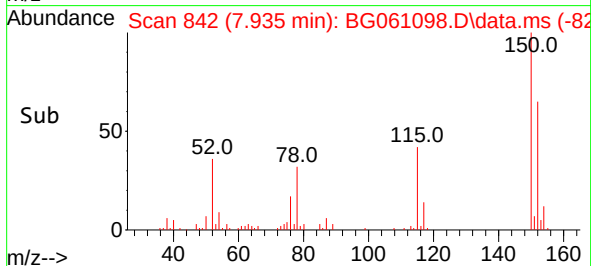


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 84
Delta R.T. -0.026 min
Lab File: BG061098.D
Acq: 2 May 2024 18:10

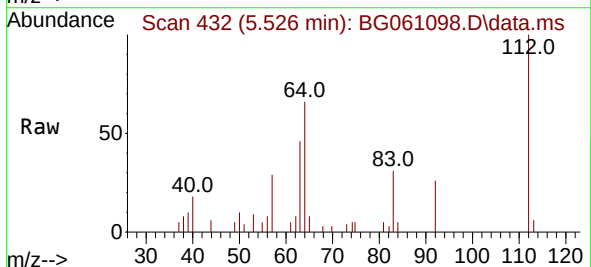
Instrument :
BNA_G
ClientSampleId :



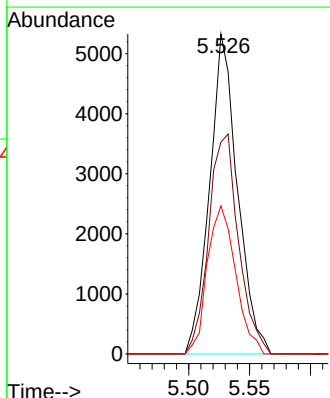
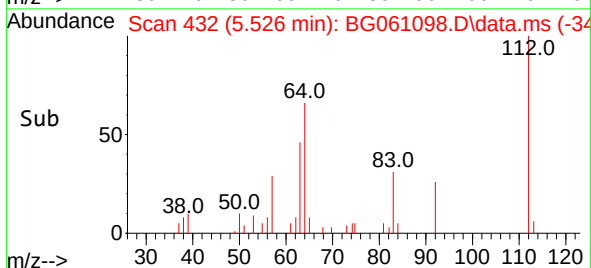
Tgt Ion:152 Resp: 32154
Ion Ratio Lower Upper
152 100
150 154.0 138.3 207.5
115 65.4 48.0 72.0

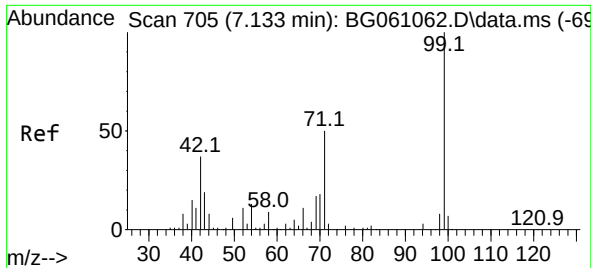


#5
2-Fluorophenol
Concen: 5.363 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.020 min
Lab File: BG061098.D
Acq: 2 May 2024 18:10



Tgt Ion:112 Resp: 8479
Ion Ratio Lower Upper
112 100
64 66.2 55.7 83.5
63 46.3 38.1 57.1

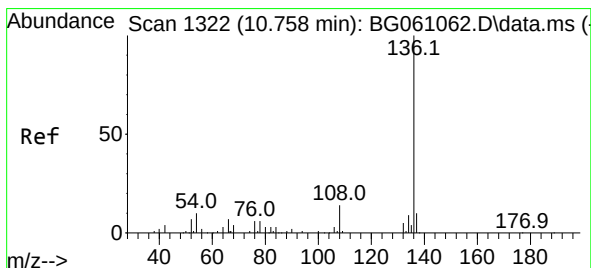
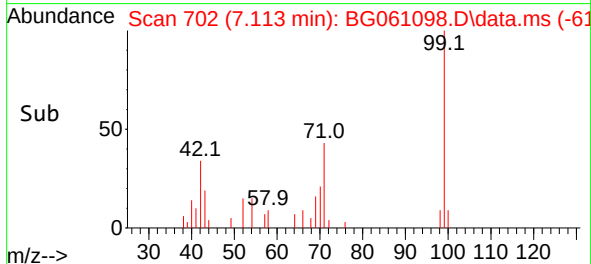
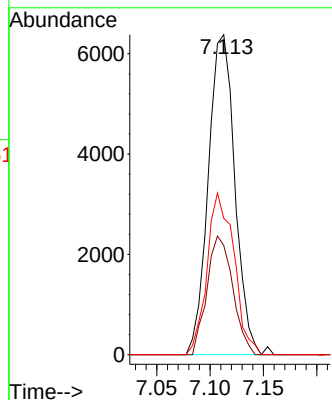
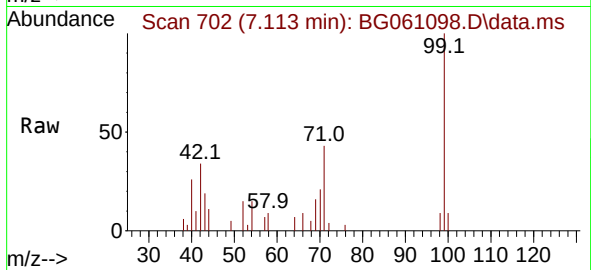




#7
Phenol-d6
Concen: 4.739 ng
RT: 7.113 min Scan# 705
Delta R.T. -0.020 min
Lab File: BG061098.D
Acq: 2 May 2024 18:10

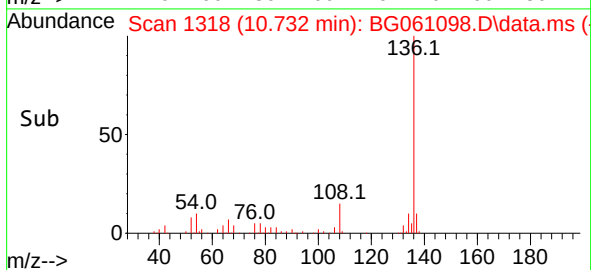
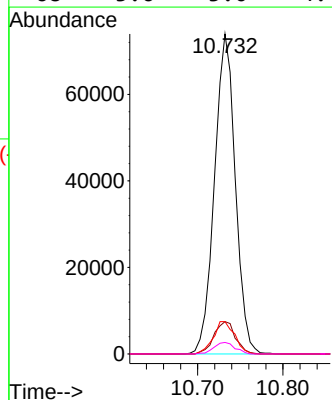
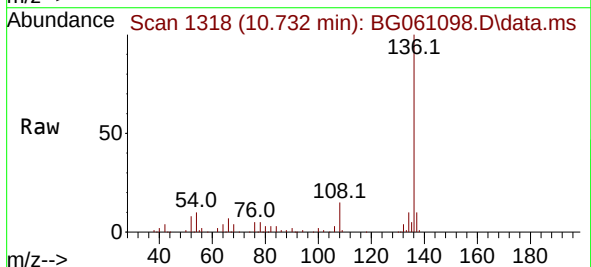
Instrument :
BNA_G
ClientSampleId :

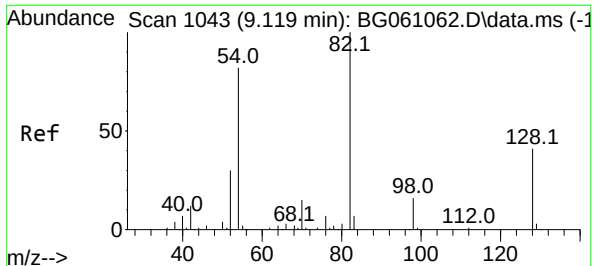
Tgt Ion: 99 Resp: 11083
Ion Ratio Lower Upper
99 100
42 34.2 29.2 43.8
71 42.7 39.7 59.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1318
Delta R.T. -0.026 min
Lab File: BG061098.D
Acq: 2 May 2024 18:10

Tgt Ion:136 Resp: 125290
Ion Ratio Lower Upper
136 100
137 10.1 7.8 11.6
54 10.1 8.1 12.1
68 3.6 3.0 4.4





#23

Nitrobenzene-d5

Concen: 3.539 ng

RT: 9.093 min Scan# 1043

Delta R.T. -0.026 min

Lab File: BG061098.D

Acq: 2 May 2024 18:10

Instrument :

BNA_G

ClientSampleId :

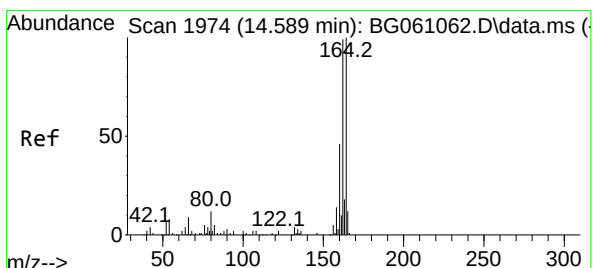
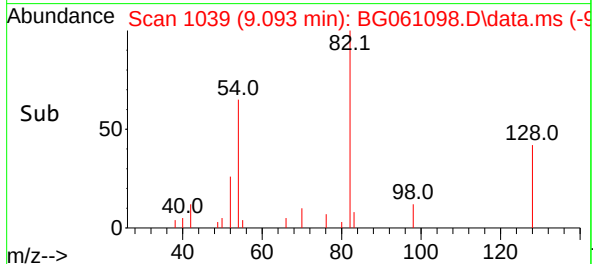
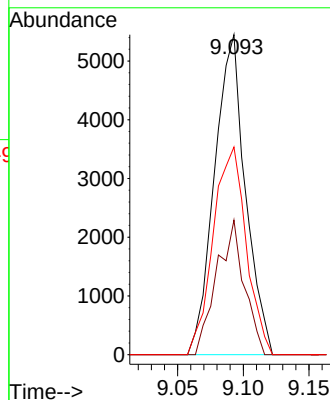
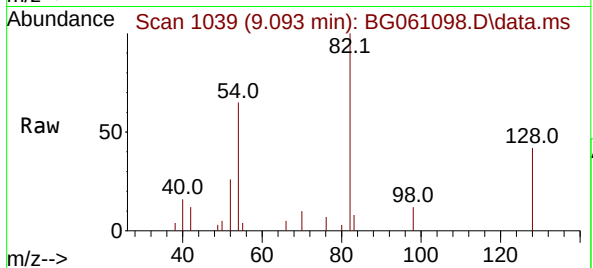
Tgt Ion: 82 Resp: 8944

Ion Ratio Lower Upper

82 100

128 42.1 32.7 49.1

54 64.9 65.6 98.4#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1970

Delta R.T. -0.026 min

Lab File: BG061098.D

Acq: 2 May 2024 18:10

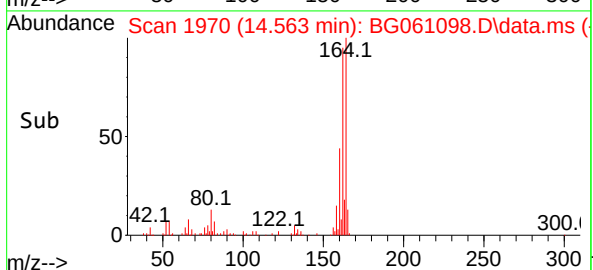
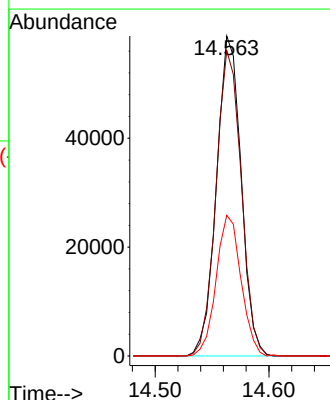
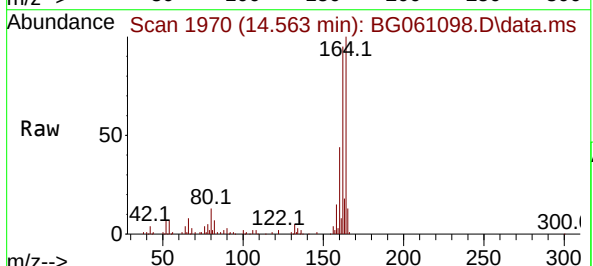
Tgt Ion:164 Resp: 88421

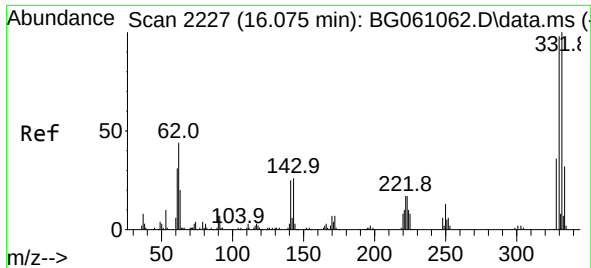
Ion Ratio Lower Upper

164 100

162 95.4 79.4 119.2

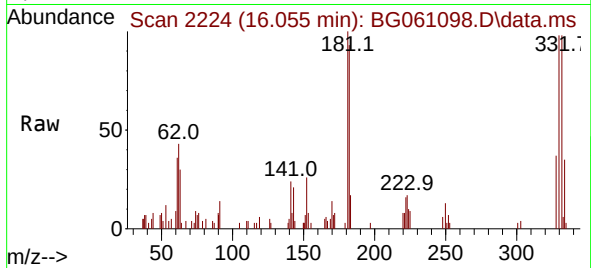
160 43.9 37.0 55.6



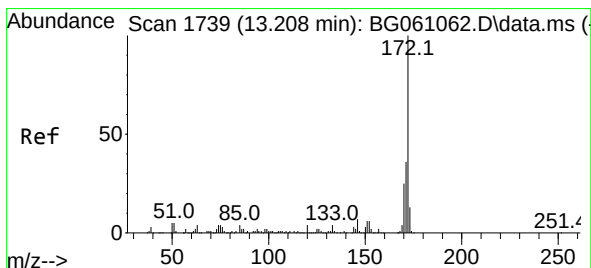
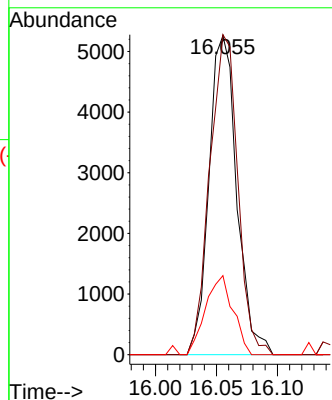
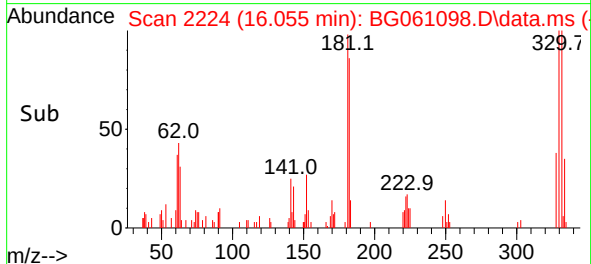


#42
2,4,6-Tribromophenol
Concen: 4.723 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061098.D
Acq: 2 May 2024 18:10

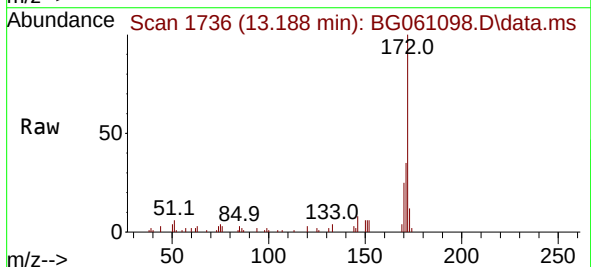
Instrument :
BNA_G
ClientSampleId :



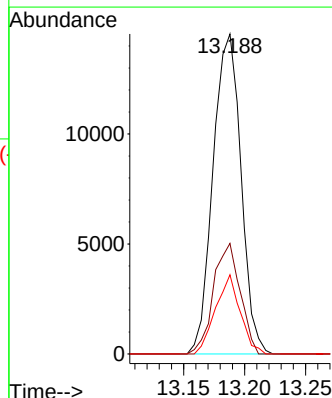
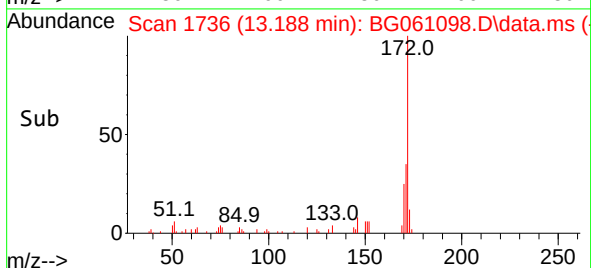
Tgt Ion:330 Resp: 8348
Ion Ratio Lower Upper
330 100
332 100.8 78.6 117.8
141 24.5 20.5 30.7

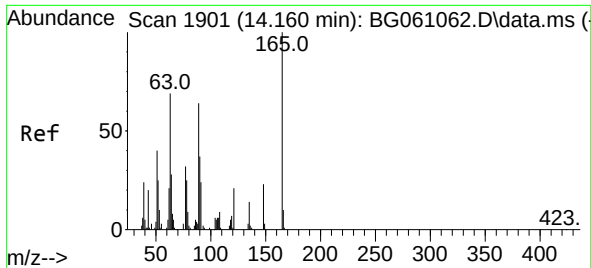


#45
2-Fluorobiphenyl
Concen: 3.876 ng
RT: 13.188 min Scan# 1736
Delta R.T. -0.020 min
Lab File: BG061098.D
Acq: 2 May 2024 18:10



Tgt Ion:172 Resp: 23177
Ion Ratio Lower Upper
172 100
171 34.5 29.0 43.6
170 24.8 20.2 30.4

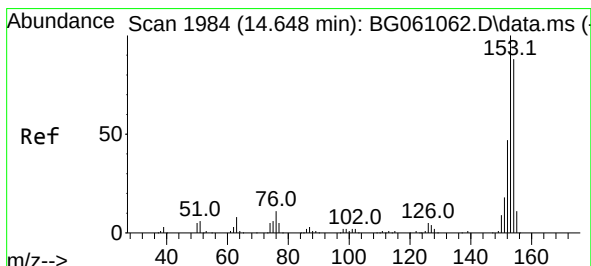
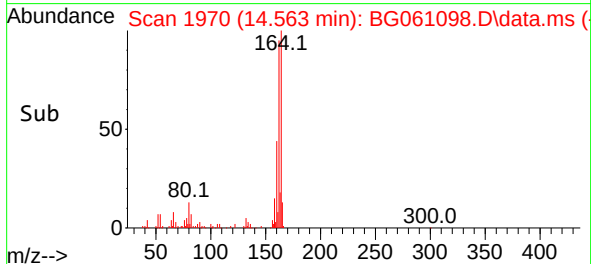
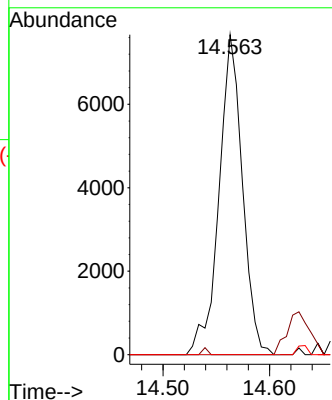
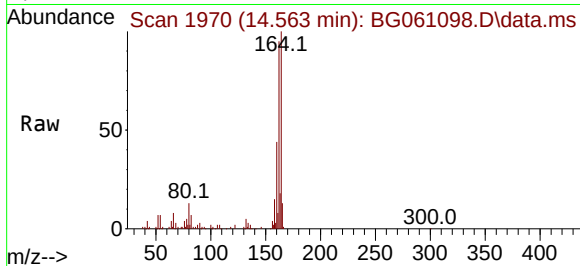




#51
2,6-Dinitrotoluene
Concen: 7.993 ng
RT: 14.563 min Scan# 1901
Delta R.T. 0.403 min
Lab File: BG061098.D
Acq: 2 May 2024 18:10

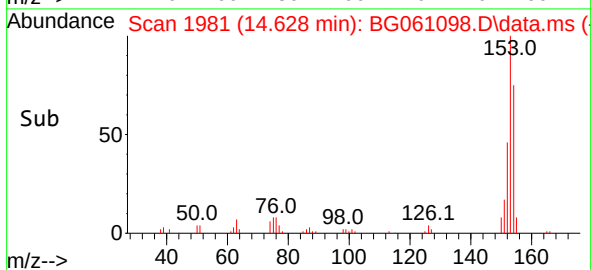
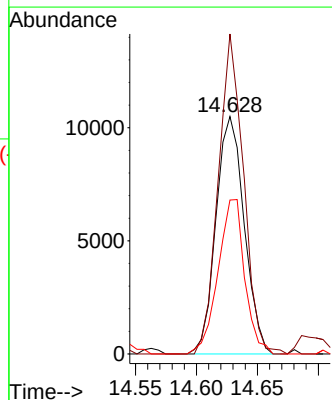
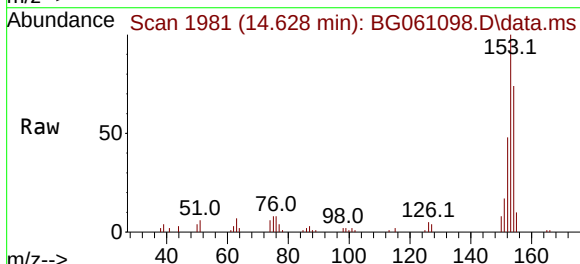
Instrument :
BNA_G
ClientSampleId :

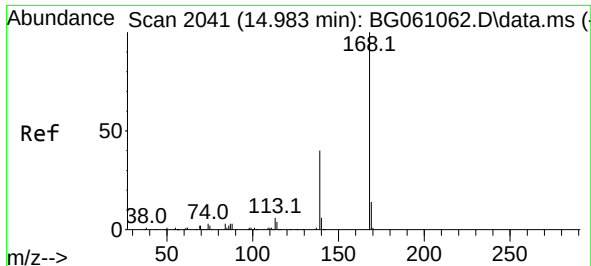
Tgt Ion:165 Resp: 11677
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#



#52
Acenaphthene
Concen: 3.890 ng
RT: 14.628 min Scan# 1981
Delta R.T. -0.020 min
Lab File: BG061098.D
Acq: 2 May 2024 18:10

Tgt Ion:154 Resp: 16920
Ion Ratio Lower Upper
154 100
153 134.7 91.0 136.4
152 64.8 43.1 64.7#

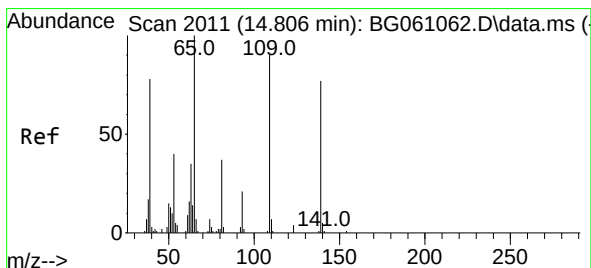
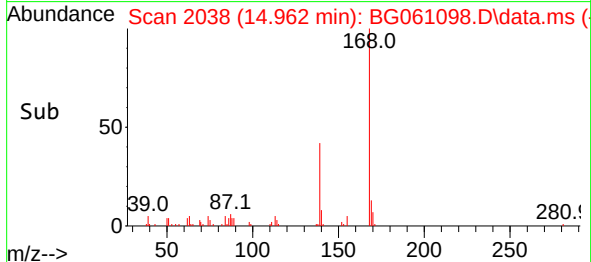
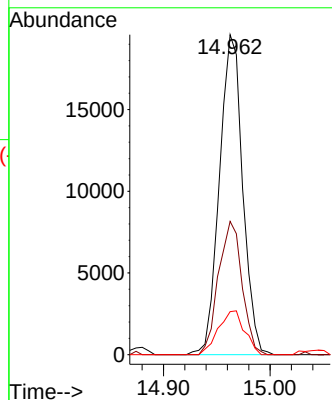
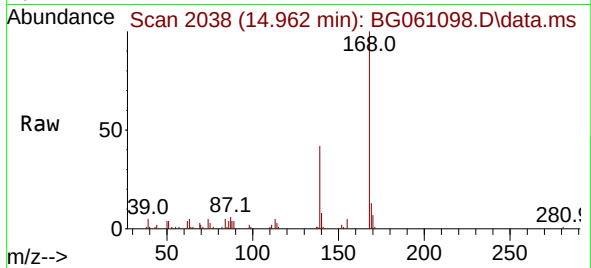




#55
Dibenzenofuran
Concen: 4.028 ng
RT: 14.962 min Scan# 2038
Delta R.T. -0.020 min
Lab File: BG061098.D
Acq: 2 May 2024 18:10

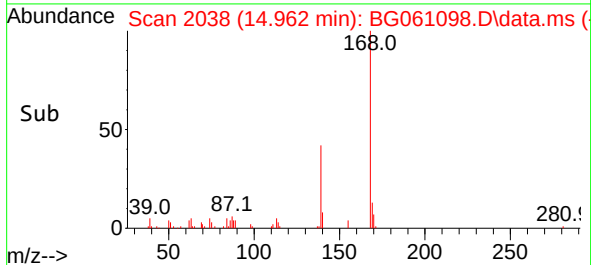
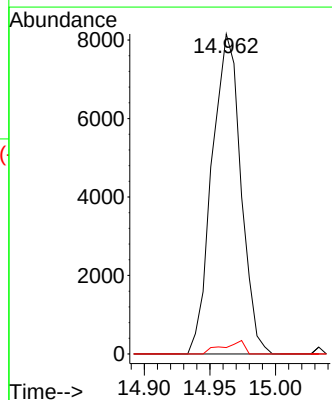
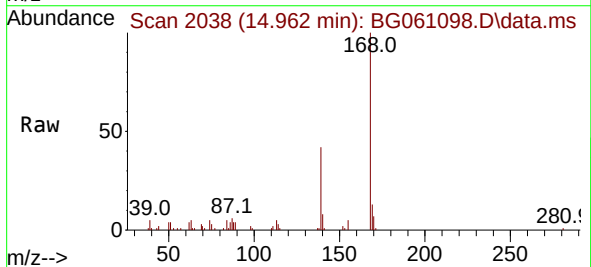
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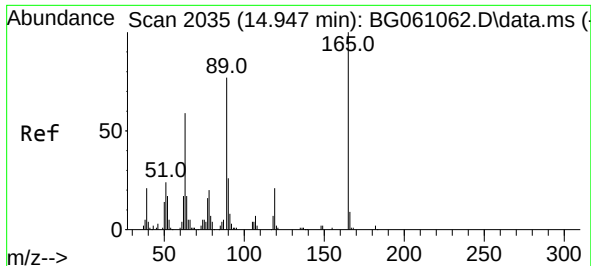
Tgt Ion:168 Resp: 29593
Ion Ratio Lower Upper
168 100
139 41.6 32.2 48.4
169 13.5 11.4 17.2



#56
4-Nitrophenol
Concen: 11.569 ng
RT: 14.962 min Scan# 2038
Delta R.T. 0.156 min
Lab File: BG061098.D
Acq: 2 May 2024 18:10

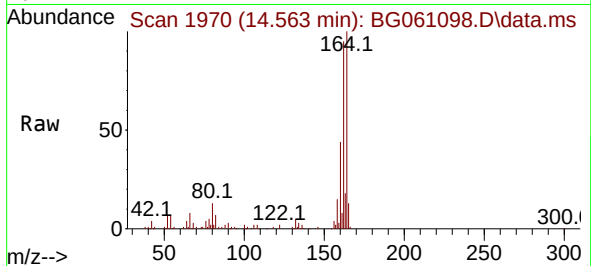
Tgt Ion:139 Resp: 12497
Ion Ratio Lower Upper
139 100
109 0.0 97.7 137.7#
65 2.0 110.7 150.7#



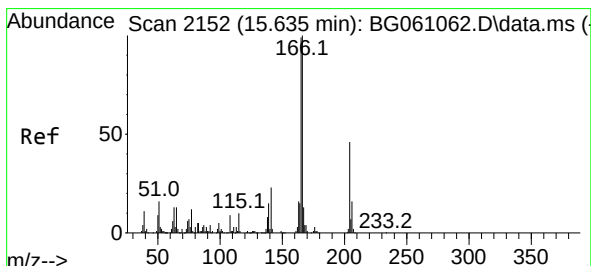
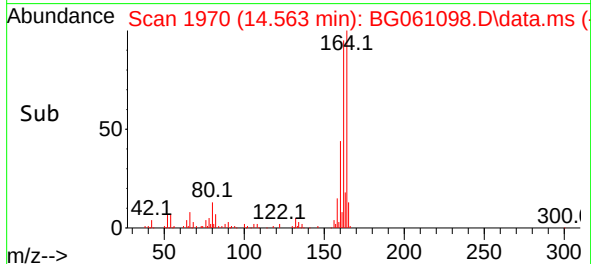
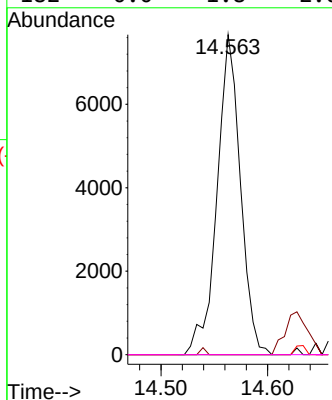


#57
2,4-Dinitrotoluene
Concen: 5.403 ng
RT: 14.563 min Scan# 1149
Delta R.T. -0.384 min
Lab File: BG061098.D
Acq: 2 May 2024 18:10

Instrument :
BNA_G
ClientSampleId :

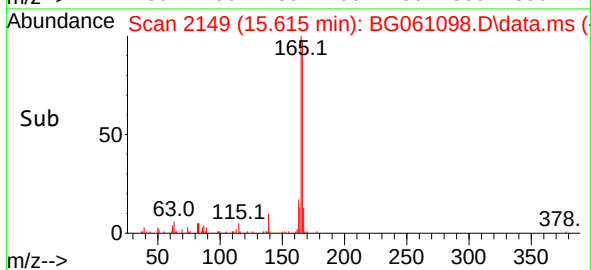
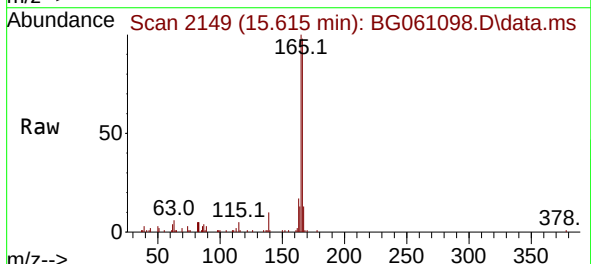
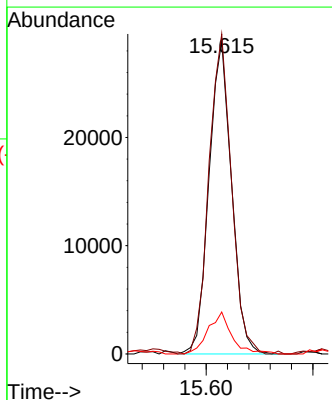


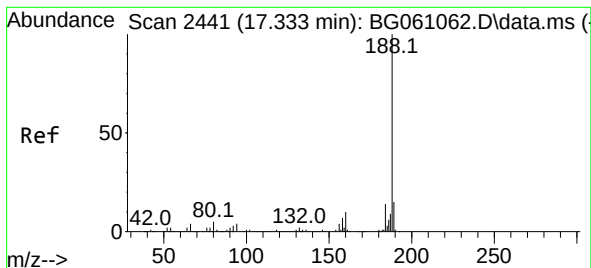
Tgt Ion:165 Resp: 11677
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 0.0 61.8 92.8#
182 0.0 1.8 2.6#



#58
Fluorene
Concen: 6.657 ng
RT: 15.615 min Scan# 2149
Delta R.T. -0.020 min
Lab File: BG061098.D
Acq: 2 May 2024 18:10

Tgt Ion:166 Resp: 42320
Ion Ratio Lower Upper
166 100
165 102.3 78.9 118.3
167 13.4 10.6 15.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.313 min Scan# 24

Delta R.T. -0.020 min

Lab File: BG061098.D

Acq: 2 May 2024 18:10

Instrument :

BNA_G

ClientSampleId :

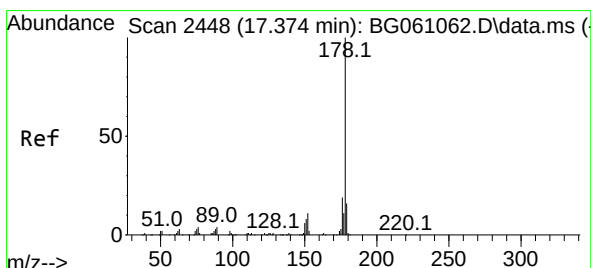
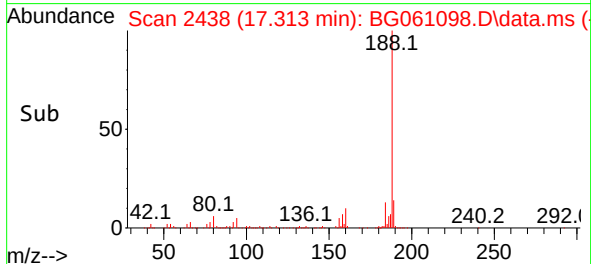
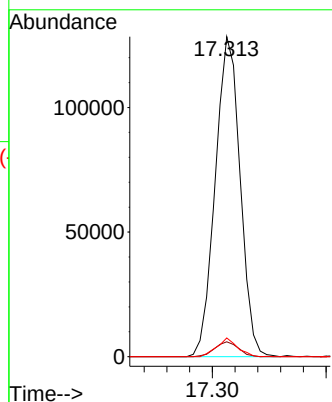
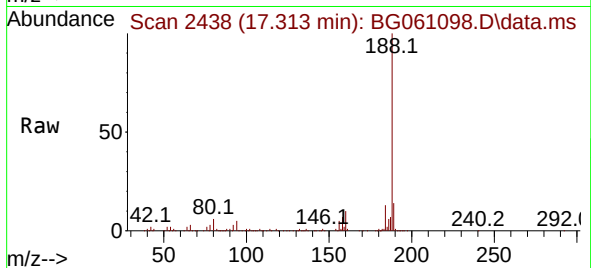
Tgt Ion:188 Resp: 194976

Ion Ratio Lower Upper

188 100

94 4.7 3.6 5.4

80 5.9 4.2 6.2



#71

Phenanthrene

Concen: 41.743 ng

RT: 17.354 min Scan# 2445

Delta R.T. -0.020 min

Lab File: BG061098.D

Acq: 2 May 2024 18:10

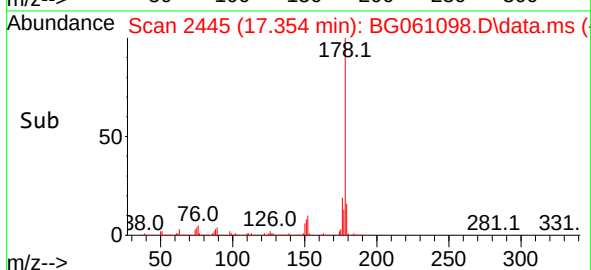
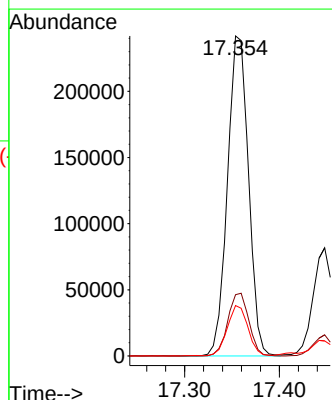
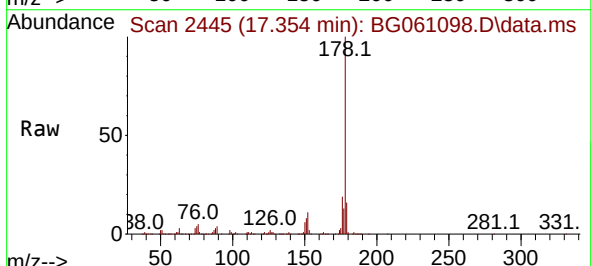
Tgt Ion:178 Resp: 372149

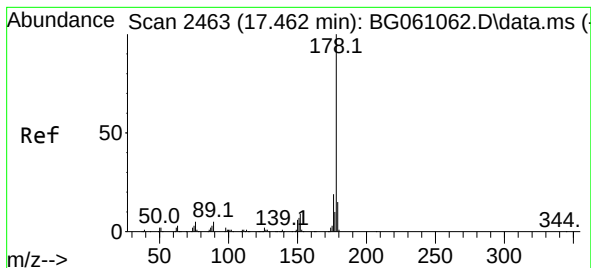
Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

179 15.8 12.6 19.0





#72

Anthracene

Concen: 13.189 ng

RT: 17.448 min Scan# 2461

Delta R.T. -0.014 min

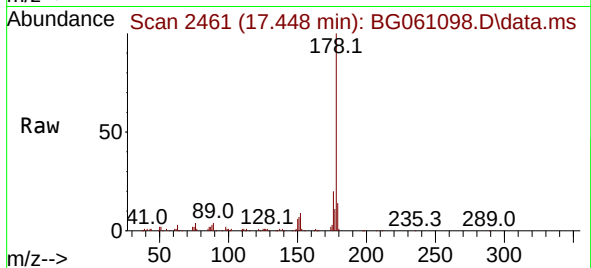
Lab File: BG061098.D

Acq: 2 May 2024 18:10

Instrument :

BNA_G

ClientSampleId :



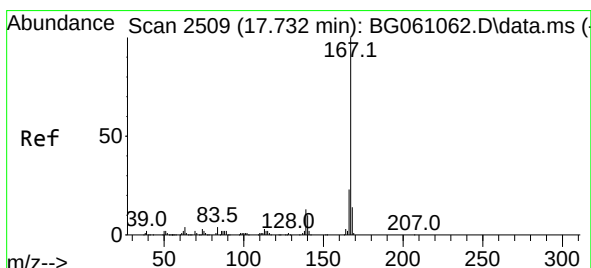
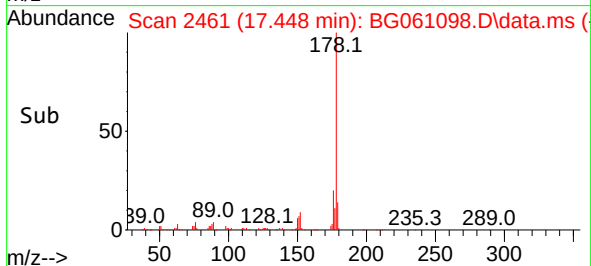
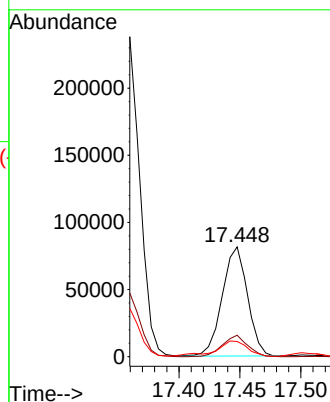
Tgt Ion:178 Resp: 117322

Ion Ratio Lower Upper

178 100

176 19.5 15.0 22.6

179 13.9 12.0 18.0



#73

Carbazole

Concen: 2.797 ng

RT: 17.712 min Scan# 2506

Delta R.T. -0.020 min

Lab File: BG061098.D

Acq: 2 May 2024 18:10

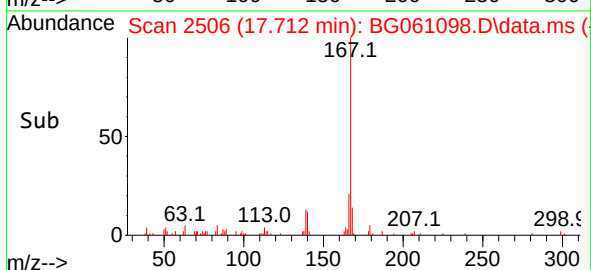
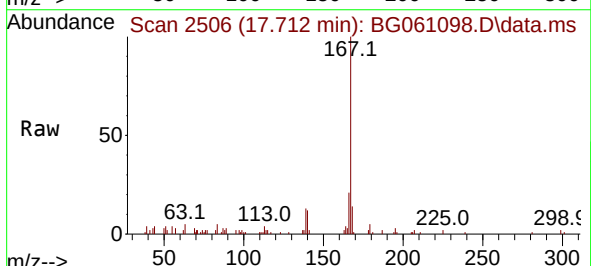
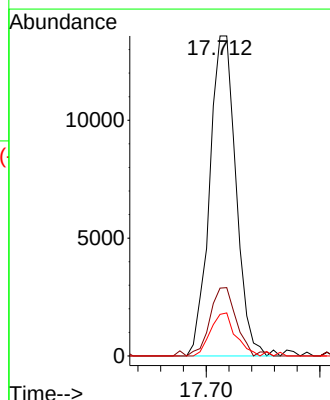
Tgt Ion:167 Resp: 21877

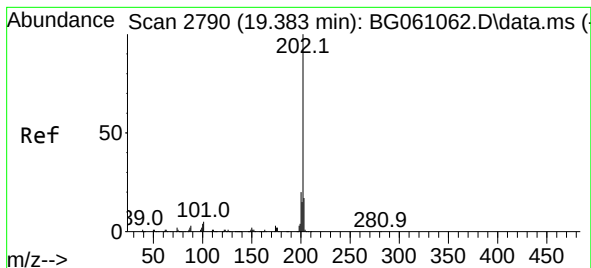
Ion Ratio Lower Upper

167 100

166 21.2 18.7 28.1

139 13.0 10.6 15.8





#75

Fluoranthene

Concen: 31.667 ng

RT: 19.369 min Scan# 21

Delta R.T. -0.014 min

Lab File: BG061098.D

Acq: 2 May 2024 18:10

Instrument :

BNA_G

ClientSampleId :

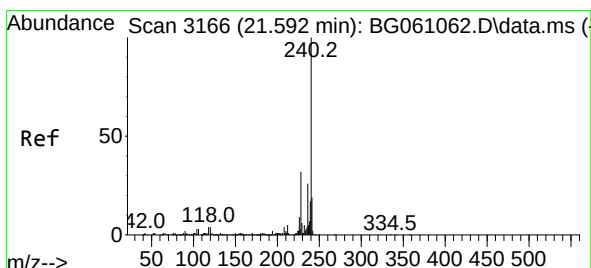
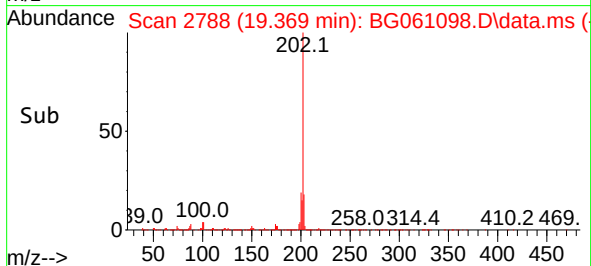
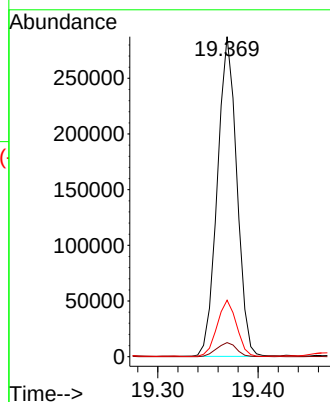
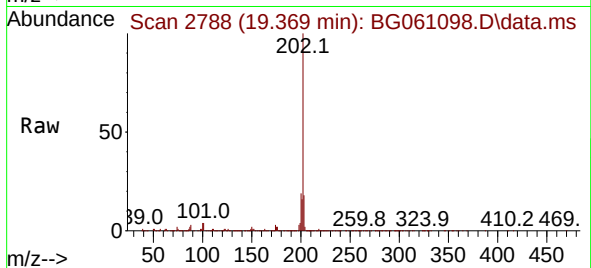
Tgt Ion:202 Resp: 386770

Ion Ratio Lower Upper

202 100

101 4.4 0.0 24.7

203 17.6 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.572 min Scan# 3163

Delta R.T. -0.020 min

Lab File: BG061098.D

Acq: 2 May 2024 18:10

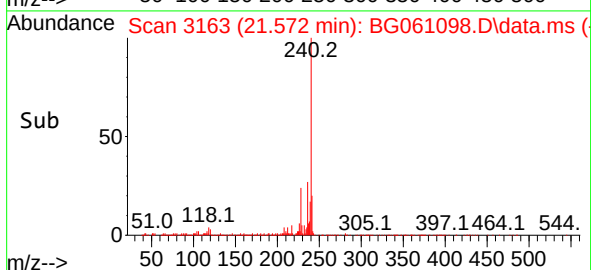
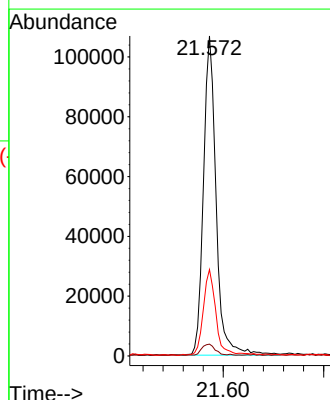
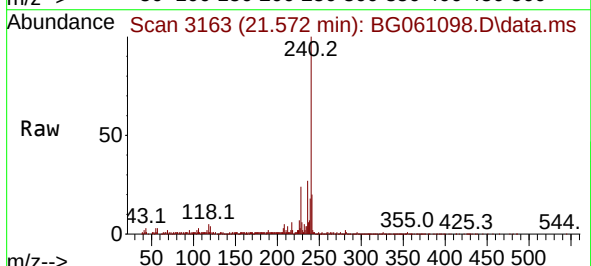
Tgt Ion:240 Resp: 187287

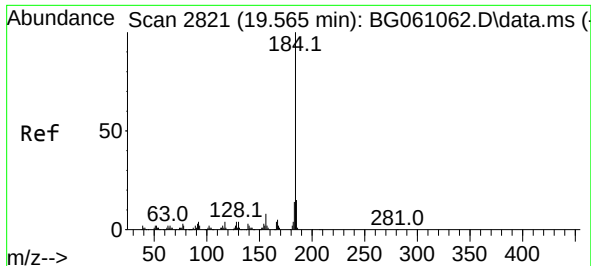
Ion Ratio Lower Upper

240 100

120 3.7 3.2 4.8

236 27.0 21.0 31.6

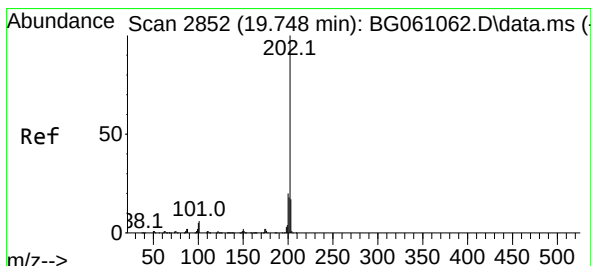
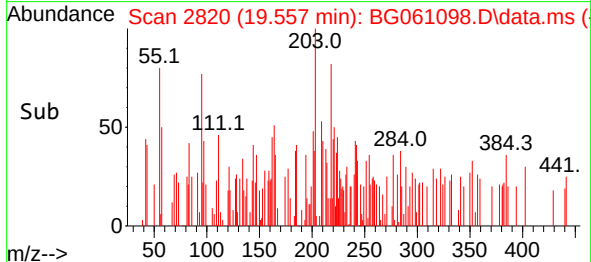
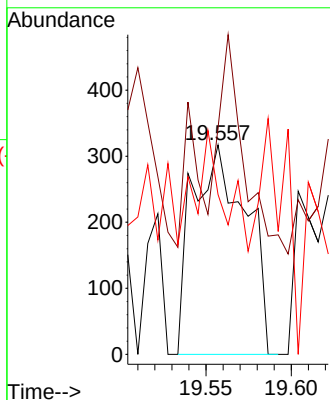
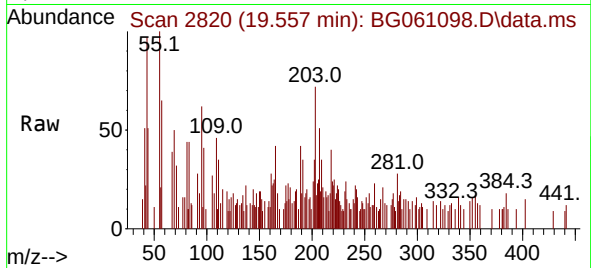




#77
Benzidine
Concen: 2.978 ng
RT: 19.557 min Scan# 2821
Delta R.T. -0.008 min
Lab File: BG061098.D
Acq: 2 May 2024 18:10

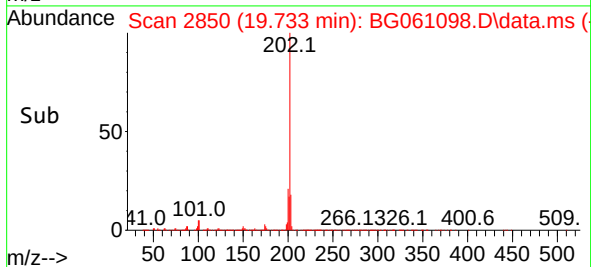
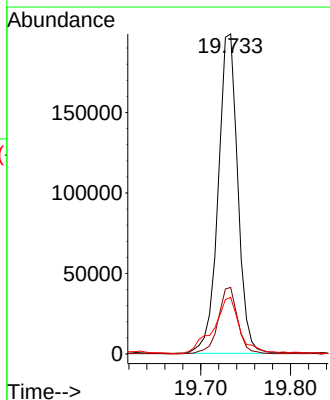
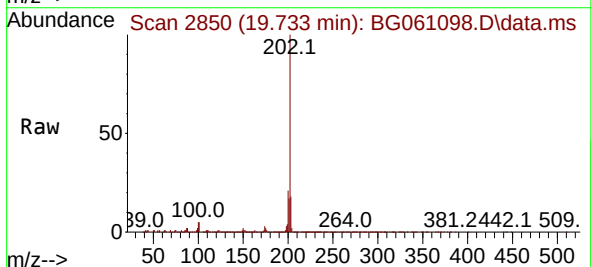
Instrument :
BNA_G
ClientSampleId :

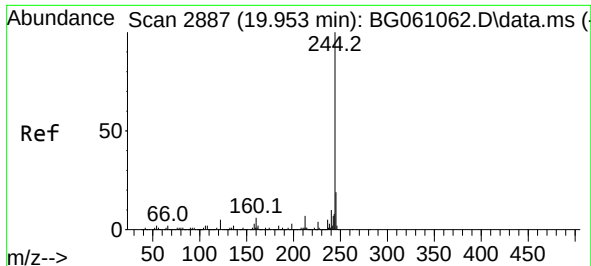
Tgt Ion:184 Resp: 692
Ion Ratio Lower Upper
184 100
185 108.2 12.0 18.0#
183 76.3 10.9 16.3#



#78
Pyrene
Concen: 25.212 ng
RT: 19.733 min Scan# 2850
Delta R.T. -0.014 min
Lab File: BG061098.D
Acq: 2 May 2024 18:10

Tgt Ion:202 Resp: 300194
Ion Ratio Lower Upper
202 100
200 20.8 16.2 24.4
203 17.7 13.3 19.9

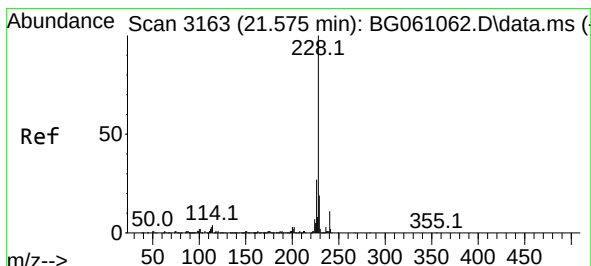
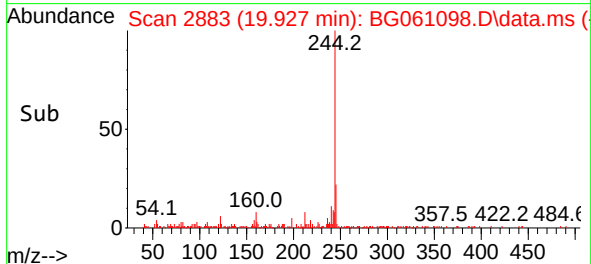
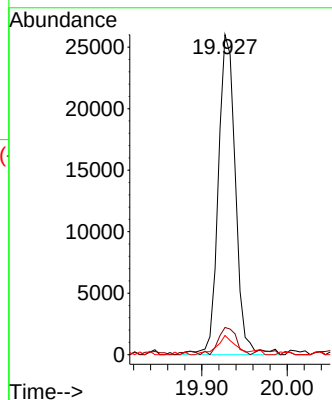
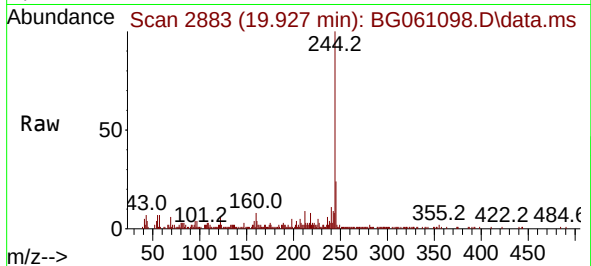




#79
 Terphenyl-d14
 Concen: 3.225 ng
 RT: 19.927 min Scan# 21
 Delta R.T. -0.026 min
 Lab File: BG061098.D
 Acq: 2 May 2024 18:10

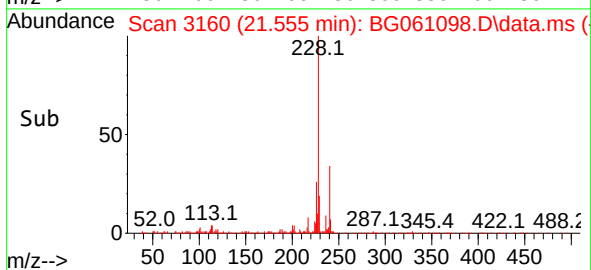
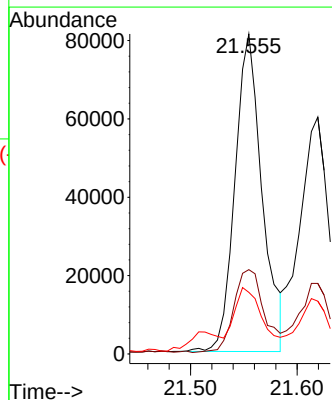
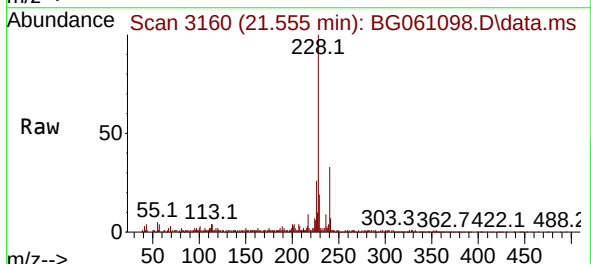
Instrument :
 BNA_G
 ClientSampleId :

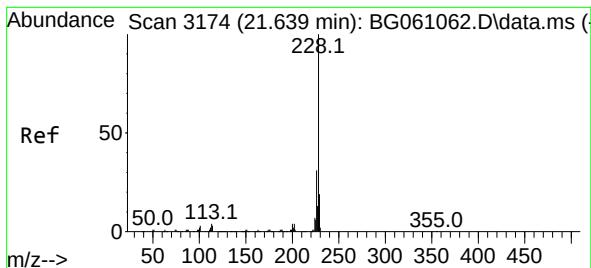
Tgt Ion:244 Resp: 36313
 Ion Ratio Lower Upper
 244 100
 212 8.5 5.7 8.5
 122 6.0 4.2 6.2



#81
 Benzo(a)anthracene
 Concen: 11.705 ng
 RT: 21.555 min Scan# 3160
 Delta R.T. -0.020 min
 Lab File: BG061098.D
 Acq: 2 May 2024 18:10

Tgt Ion:228 Resp: 143453
 Ion Ratio Lower Upper
 228 100
 226 26.3 21.6 32.4
 229 19.3 15.0 22.4





#83

Chrysene

Concen: 12.493 ng

RT: 21.555 min Scan# 31

Delta R.T. -0.085 min

Lab File: BG061098.D

Acq: 2 May 2024 18:10

Instrument :

BNA_G

ClientSampleId :

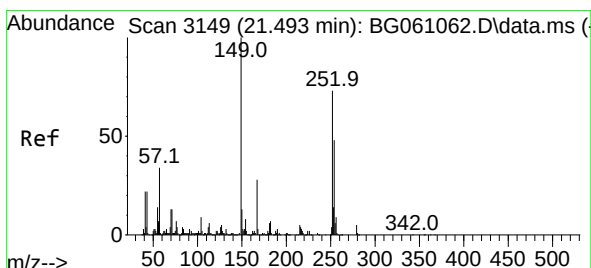
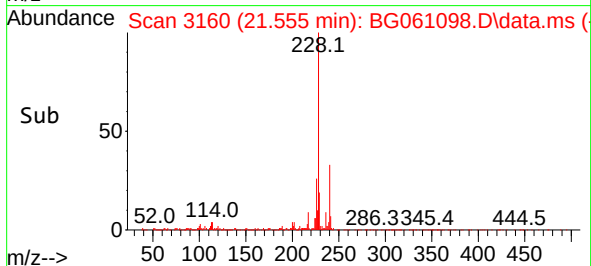
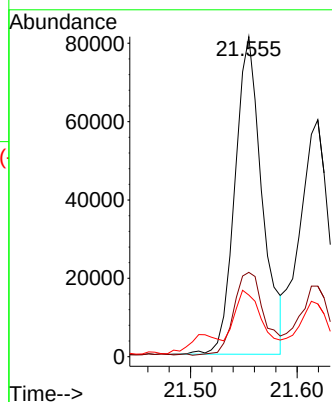
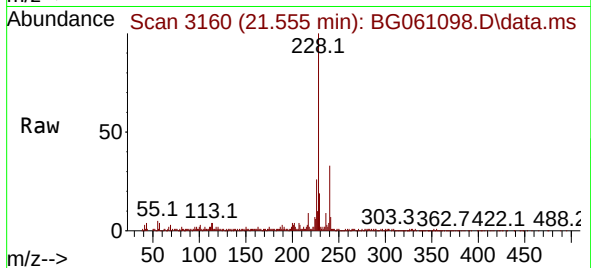
Tgt Ion:228 Resp: 143453

Ion Ratio Lower Upper

228 100

226 26.3 24.4 36.6

229 19.3 14.8 22.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.195 ng

RT: 21.472 min Scan# 3146

Delta R.T. -0.020 min

Lab File: BG061098.D

Acq: 2 May 2024 18:10

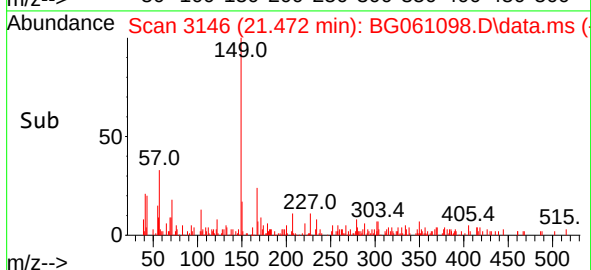
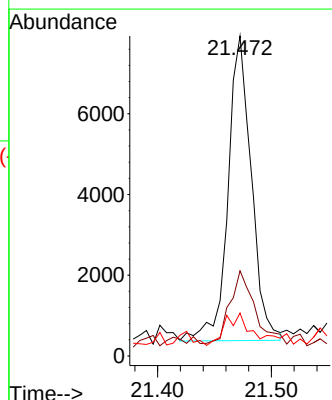
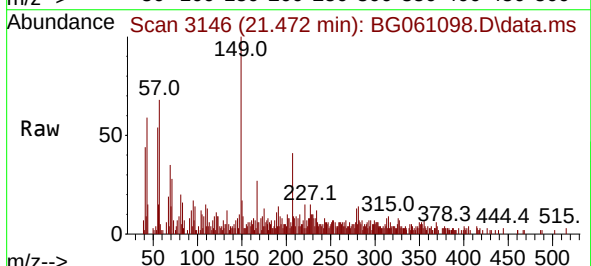
Tgt Ion:149 Resp: 10801

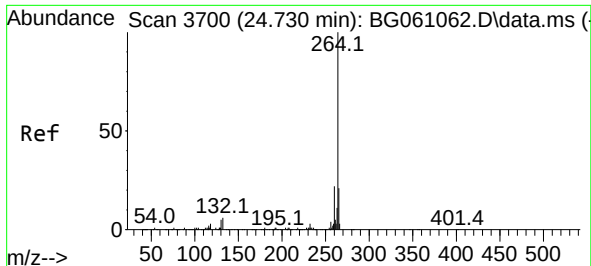
Ion Ratio Lower Upper

149 100

167 26.6 22.1 33.1

279 13.4 4.1 6.1#

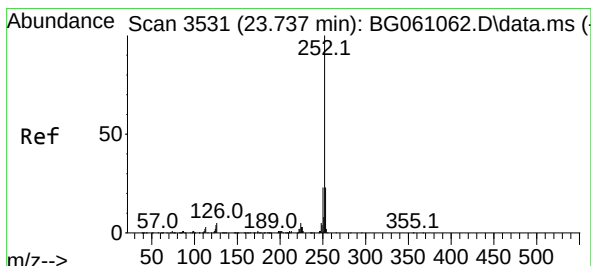
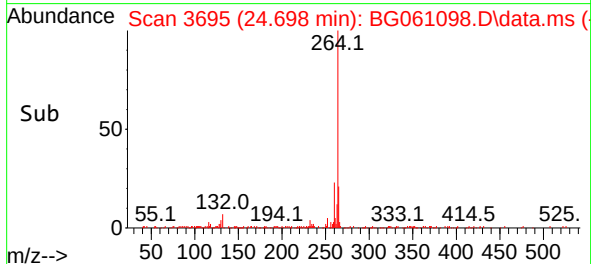
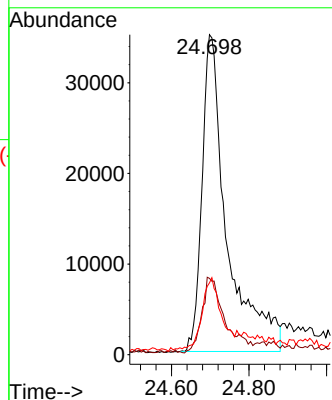
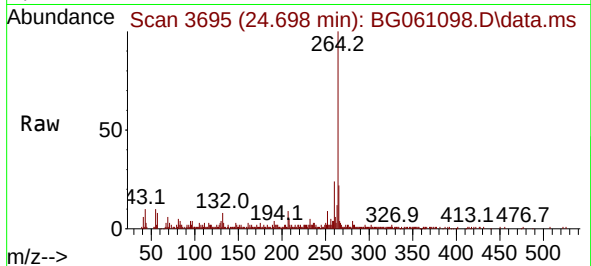




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.698 min Scan# 30
 Delta R.T. -0.032 min
 Lab File: BG061098.D
 Acq: 2 May 2024 18:10

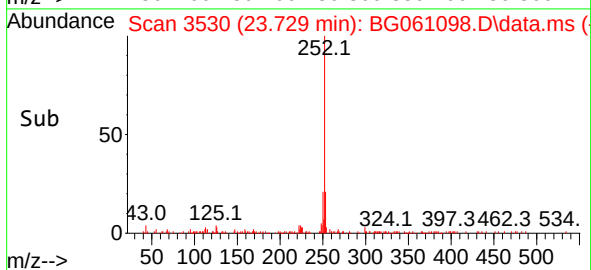
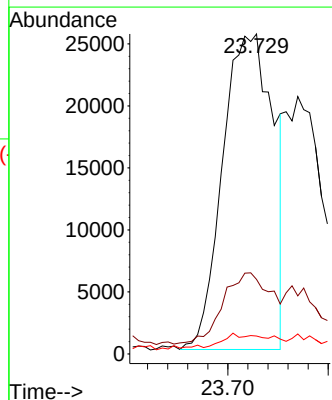
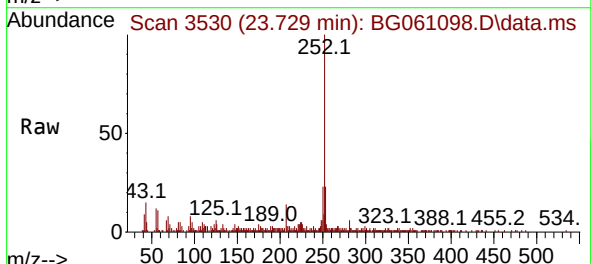
Instrument :
 BNA_G
 ClientSampleId :

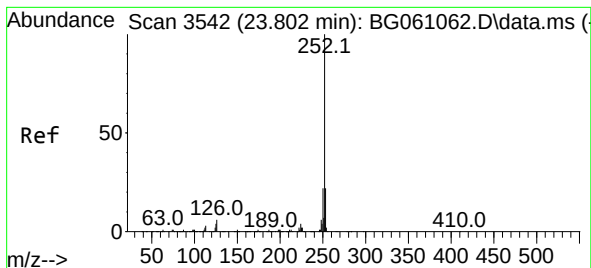
Tgt Ion:264 Resp: 156195
 Ion Ratio Lower Upper
 264 100
 260 23.9 17.7 26.5
 265 22.5 16.4 24.6



#88
 Benzo(b)fluoranthene
 Concen: 10.257 ng
 RT: 23.729 min Scan# 3530
 Delta R.T. -0.008 min
 Lab File: BG061098.D
 Acq: 2 May 2024 18:10

Tgt Ion:252 Resp: 89524
 Ion Ratio Lower Upper
 252 100
 253 23.3 18.2 27.2
 125 5.6 3.4 5.0#





#89

Benzo(k)fluoranthene

Concen: 10.662 ng

RT: 23.729 min Scan# 3

Delta R.T. -0.073 min

Lab File: BG061098.D

Acq: 2 May 2024 18:10

Instrument :

BNA_G

ClientSampleId :

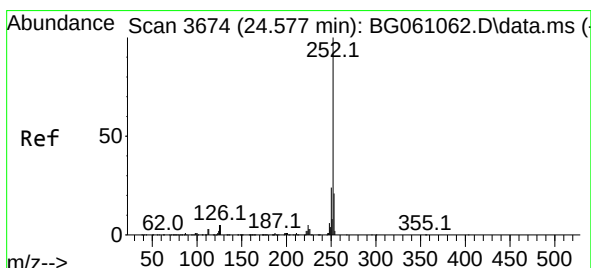
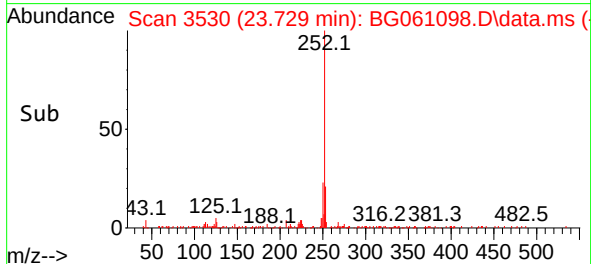
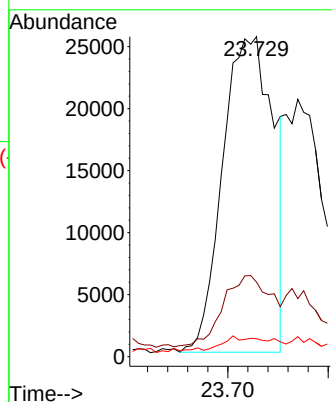
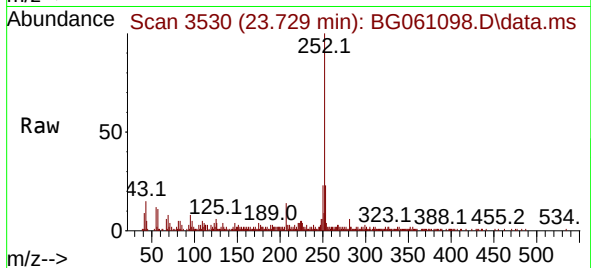
Tgt Ion:252 Resp: 89524

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 5.6 3.2 4.8#



#90

Benzo(a)pyrene

Concen: 8.691 ng

RT: 24.551 min Scan# 3670

Delta R.T. -0.026 min

Lab File: BG061098.D

Acq: 2 May 2024 18:10

Tgt Ion:252 Resp: 66090

Ion Ratio Lower Upper

252 100

253 25.2 16.9 25.3

125 9.1 3.8 5.8#

