

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
 Data File : BG061082.D
 Acq On : 1 May 2024 18:51
 Operator : MA/JU
 Sample : P2330-05 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 02 05:36:15 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)

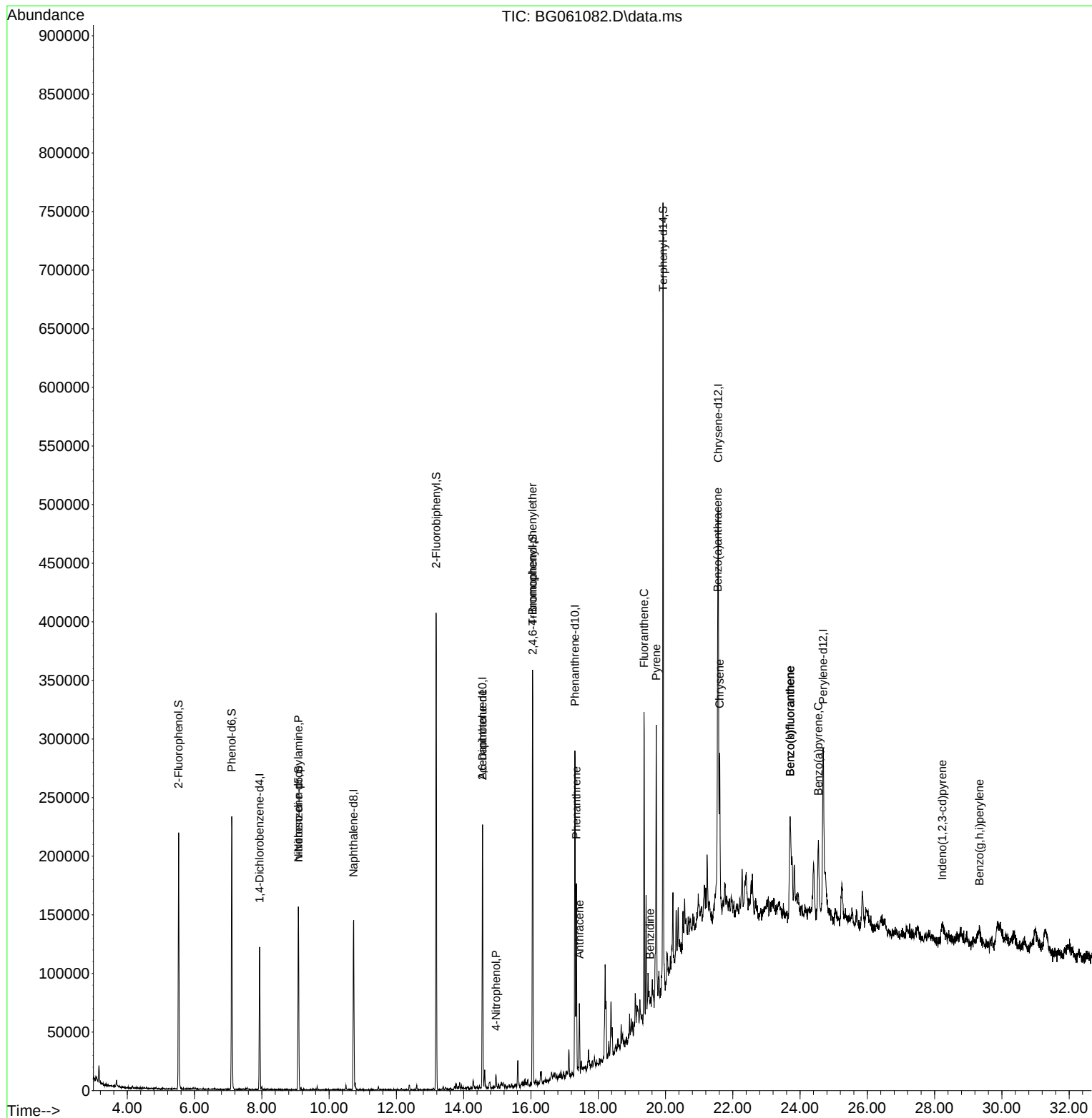
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	31154	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	116620	20.000	ng	-0.03
39) Acenaphthene-d10	14.562	164	82113	20.000	ng	-0.03
64) Phenanthrene-d10	17.306	188	180951	20.000	ng	-0.03
76) Chrysene-d12	21.566	240	171713	20.000	ng	-0.03
86) Perylene-d12	24.686	264	189404	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	78217	51.060	ng	-0.02
7) Phenol-d6	7.106	99	104962	46.318	ng	-0.03
23) Nitrobenzene-d5	9.086	82	76275	32.423	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	75565	46.040	ng	-0.02
45) 2-Fluorobiphenyl	13.182	172	204607	36.846	ng	-0.03
79) Terphenyl-d14	19.927	244	336494	32.591	ng	-0.03
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.089	77	77	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	9.086	70	11411	6.729 ng	#	68
51) 2,6-Dinitrotoluene	14.562	165	10574	7.794 ng	#	15
56) 4-Nitrophenol	14.962	139	2762	2.753 ng	#	1
67) 4-Bromophenyl-phenylether	16.049	248	4557	2.138 ng	#	1
71) Phenanthrene	17.353	178	101369	12.252 ng		100
72) Anthracene	17.441	178	38381	4.649 ng		99
75) Fluoranthene	19.363	202	165182	14.573 ng		98
77) Benzidine	19.545	184	201	2.853 ng	#	1
78) Pyrene	19.727	202	162723	14.906 ng		99
81) Benzo(a)anthracene	21.548	228	94362	8.398 ng	#	95
83) Chrysene	21.613	228	95497	9.071 ng	#	93
87) Indeno(1,2,3-cd)pyrene	28.229	276	37915	3.021 ng	#	73
88) Benzo(b)fluoranthene	23.710	252	118807	11.225 ng	#	94
89) Benzo(k)fluoranthene	23.710	252	118807	11.668 ng	#	92
90) Benzo(a)pyrene	24.545	252	84153	9.126 ng	#	90
92) Benzo(g,h,i)perylene	29.333	276	29358	2.842 ng	#	83

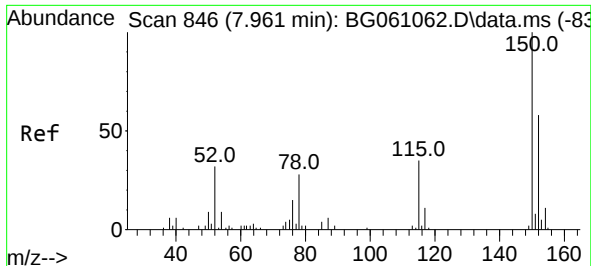
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050124\
Data File : BG061082.D
Acq On : 1 May 2024 18:51
Operator : MA/JU
Sample : P2330-05 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

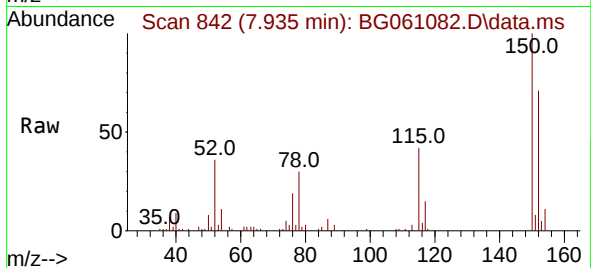
Quant Time: May 02 05:36:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration



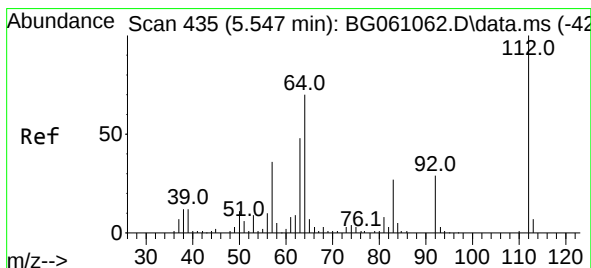
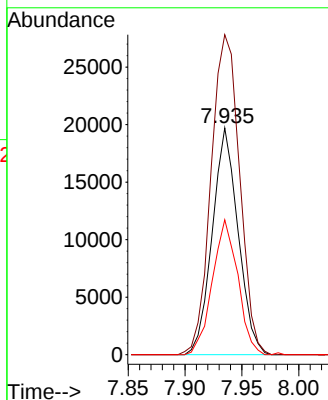
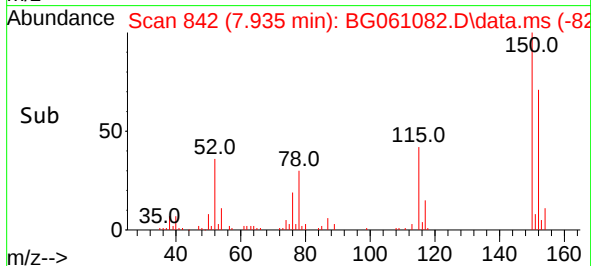


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 846
Delta R.T. -0.026 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

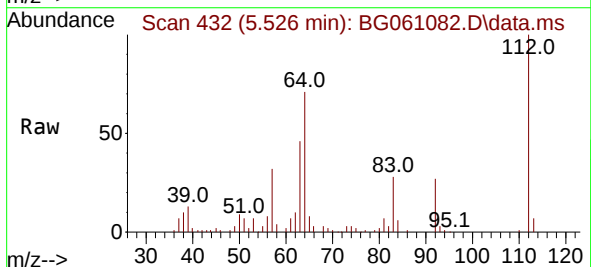
Instrument :
BNA_G
ClientSampleId :



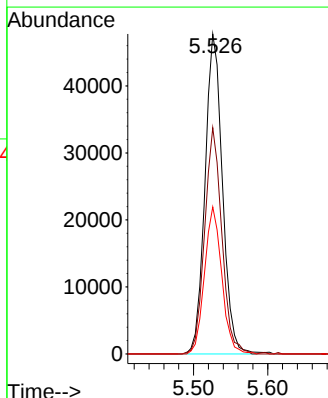
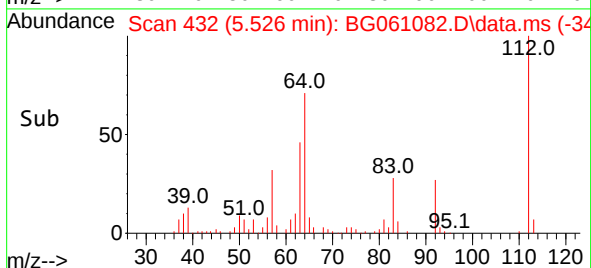
Tgt Ion:152 Resp: 31154
Ion Ratio Lower Upper
152 100
150 141.2 138.3 207.5
115 59.5 48.0 72.0



#5
2-Fluorophenol
Concen: 51.060 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.021 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51



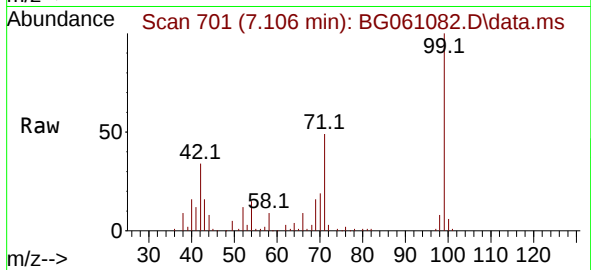
Tgt Ion:112 Resp: 78217
Ion Ratio Lower Upper
112 100
64 70.7 55.7 83.5
63 45.9 38.1 57.1



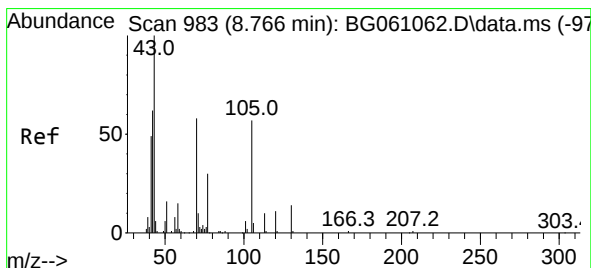
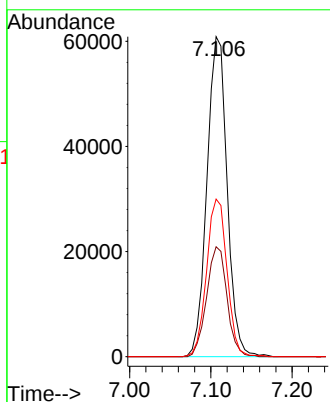
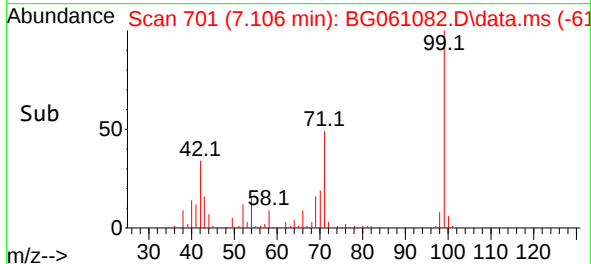


#7
Phenol-d6
Concen: 46.318 ng
RT: 7.106 min Scan# 705
Delta R.T. -0.027 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

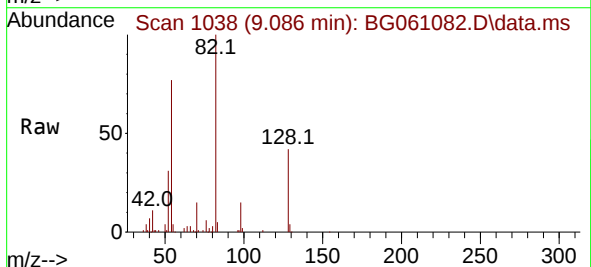
Instrument :
BNA_G
ClientSampleId :



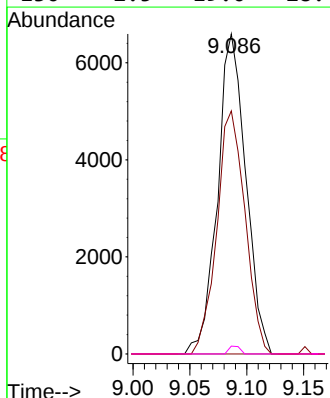
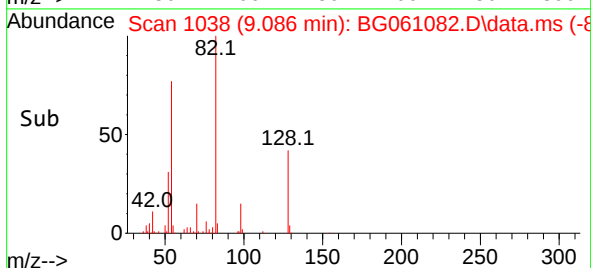
Tgt Ion: 99 Resp: 104962
Ion Ratio Lower Upper
99 100
42 34.3 29.2 43.8
71 49.2 39.7 59.5

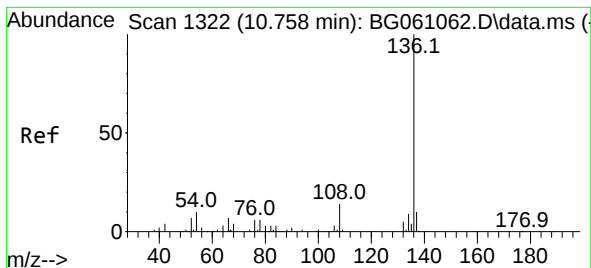


#19
n-Nitroso-di-n-propylamine
Concen: 6.729 ng
RT: 9.086 min Scan# 1038
Delta R.T. 0.320 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51



Tgt Ion: 70 Resp: 11411
Ion Ratio Lower Upper
70 100
42 76.0 86.4 129.6#
101 0.0 7.8 11.8#
130 2.5 19.0 28.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.726 min Scan# 11

Delta R.T. -0.032 min

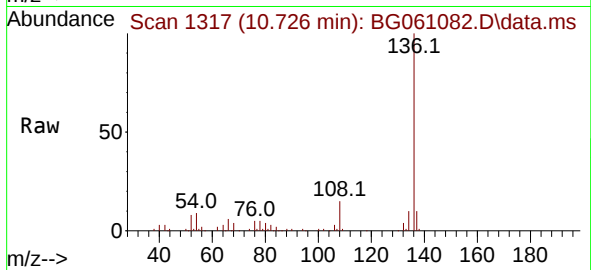
Lab File: BG061082.D

Acq: 1 May 2024 18:51

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:136 Resp: 116620

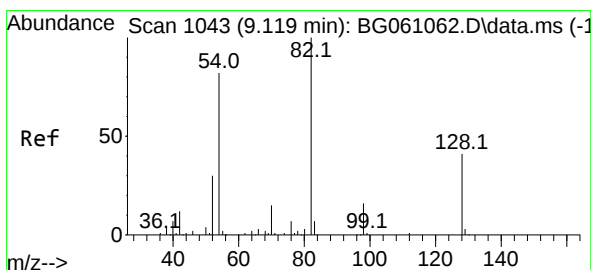
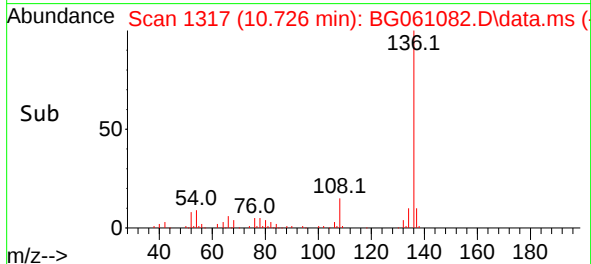
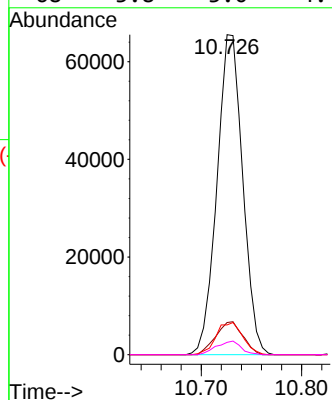
Ion Ratio Lower Upper

136 100

137 10.0 7.8 11.6

54 9.3 8.1 12.1

68 3.8 3.0 4.4



#23

Nitrobenzene-d5

Concen: 32.423 ng

RT: 9.086 min Scan# 1038

Delta R.T. -0.032 min

Lab File: BG061082.D

Acq: 1 May 2024 18:51

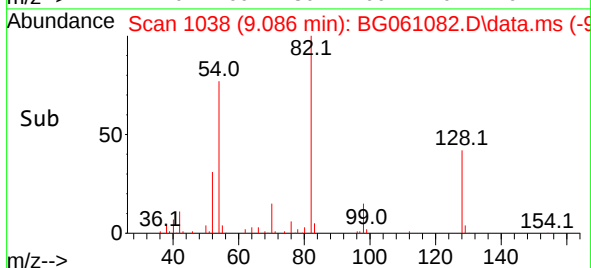
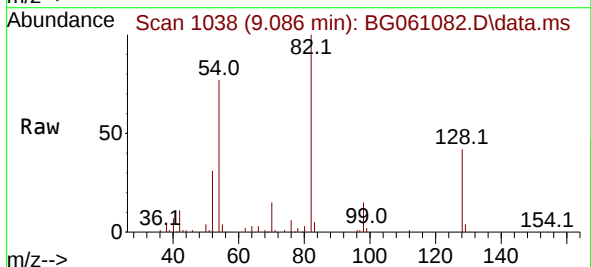
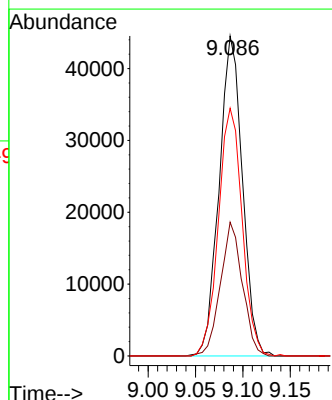
Tgt Ion: 82 Resp: 76275

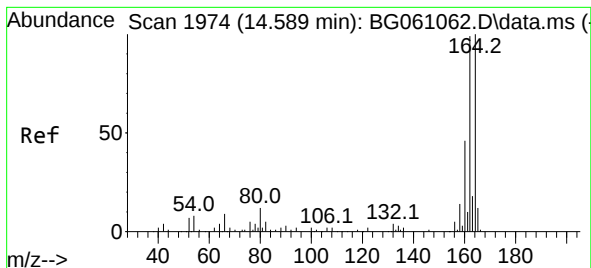
Ion Ratio Lower Upper

82 100

128 41.8 32.7 49.1

54 77.4 65.6 98.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.562 min Scan# 1974

Delta R.T. -0.027 min

Lab File: BG061082.D

Acq: 1 May 2024 18:51

Instrument :

BNA_G

ClientSampleId :

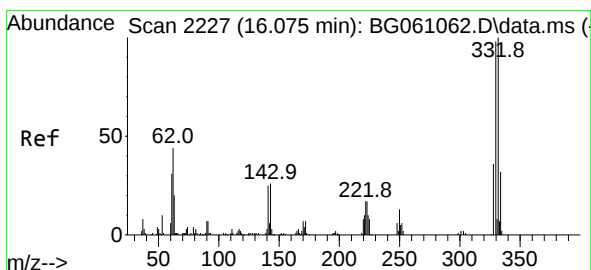
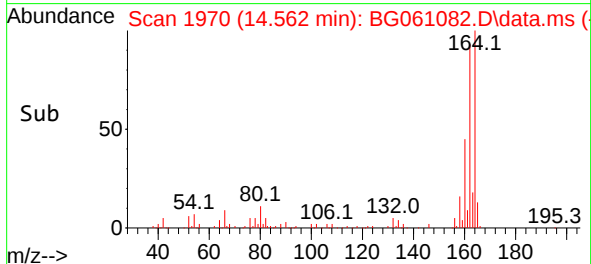
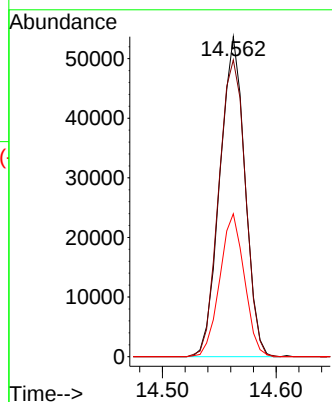
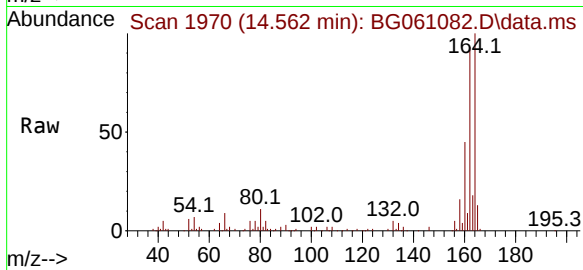
Tgt Ion:164 Resp: 82113

Ion Ratio Lower Upper

164 100

162 92.7 79.4 119.2

160 44.6 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 46.040 ng

RT: 16.055 min Scan# 2224

Delta R.T. -0.021 min

Lab File: BG061082.D

Acq: 1 May 2024 18:51

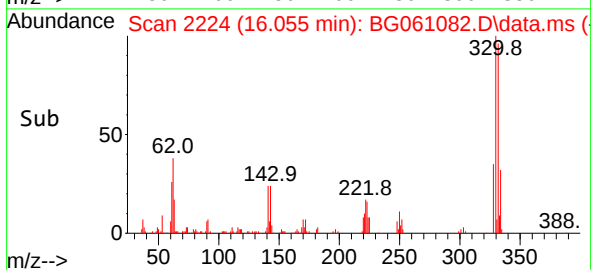
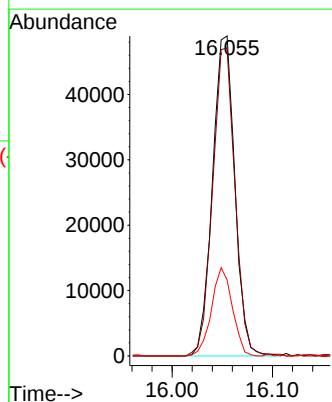
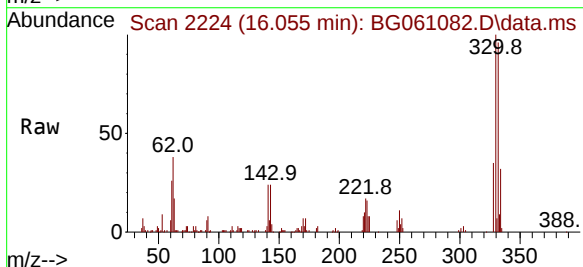
Tgt Ion:330 Resp: 75565

Ion Ratio Lower Upper

330 100

332 96.5 78.6 117.8

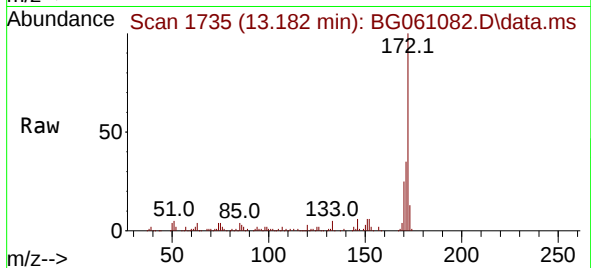
141 25.8 20.5 30.7



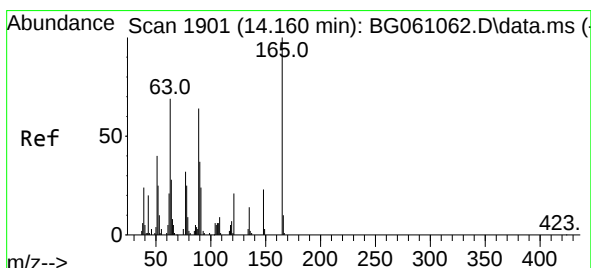
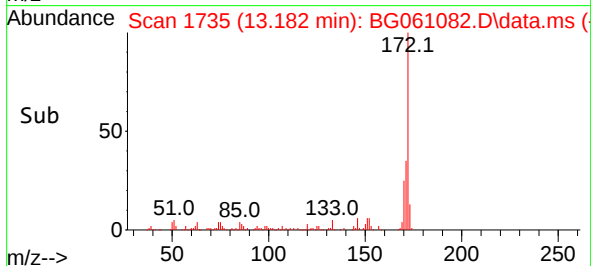
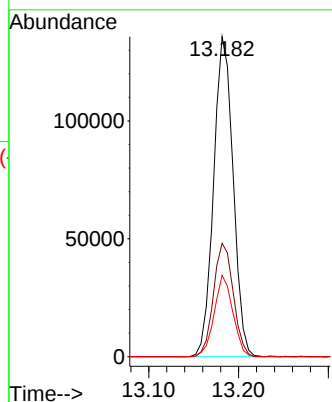


#45
2-Fluorobiphenyl
Concen: 36.846 ng
RT: 13.182 min Scan# 1
Delta R.T. -0.027 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

Instrument :
BNA_G
ClientSampleId :

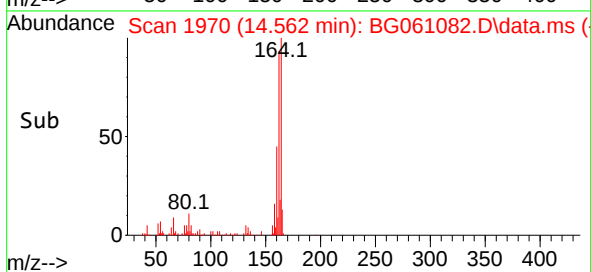
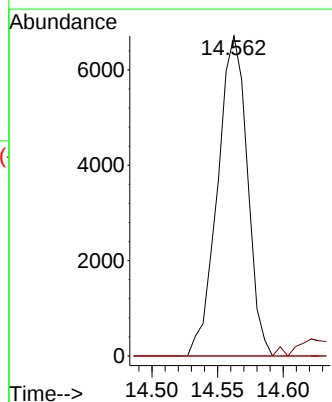
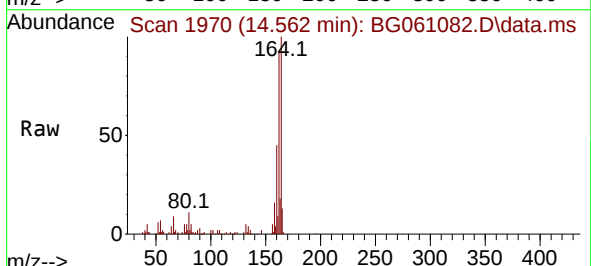


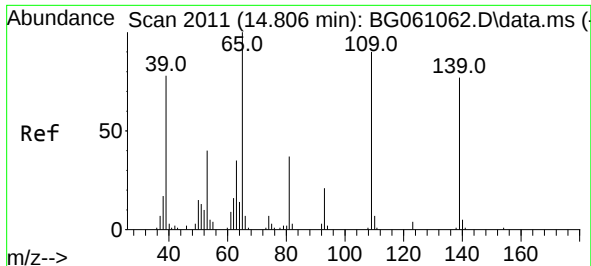
Tgt Ion:172 Resp: 204607
Ion Ratio Lower Upper
172 100
171 35.4 29.0 43.6
170 25.4 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 7.794 ng
RT: 14.562 min Scan# 1970
Delta R.T. 0.402 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

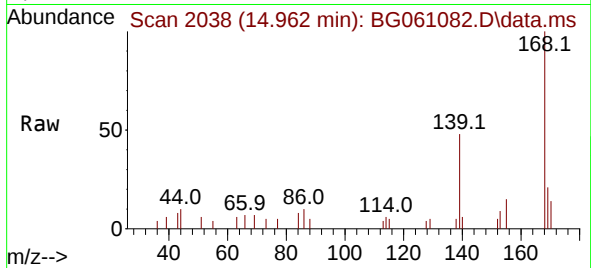
Tgt Ion:165 Resp: 10574
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#



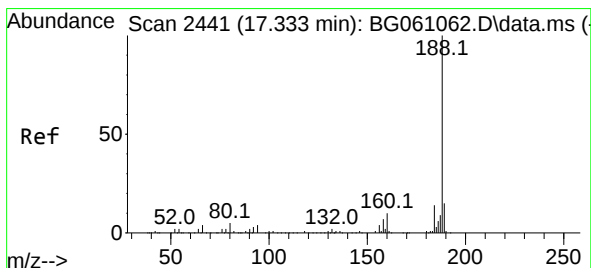
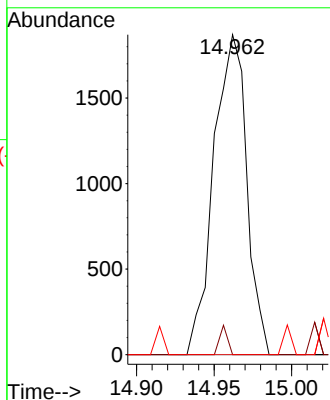
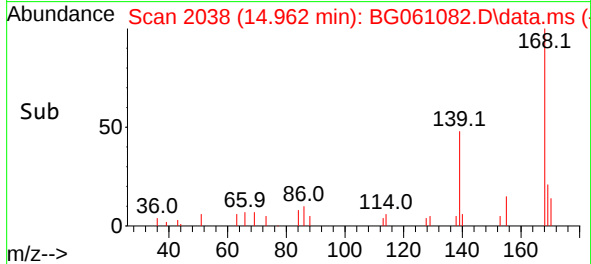


#56
4-Nitrophenol
Concen: 2.753 ng
RT: 14.962 min Scan# 2011
Delta R.T. 0.156 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

Instrument :
BNA_G
ClientSampleId :

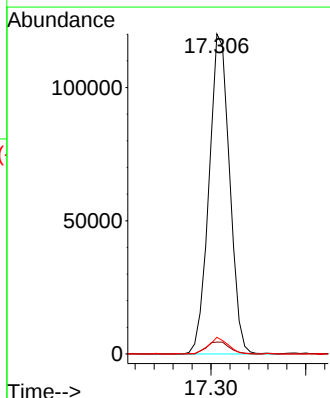
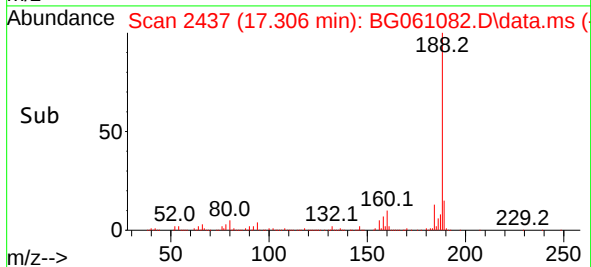
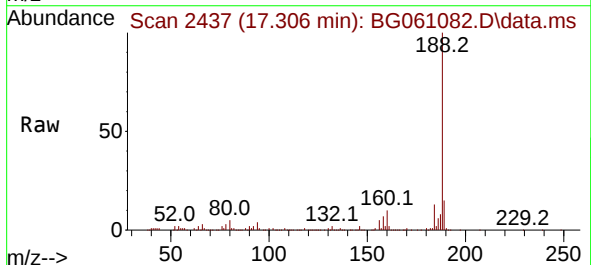


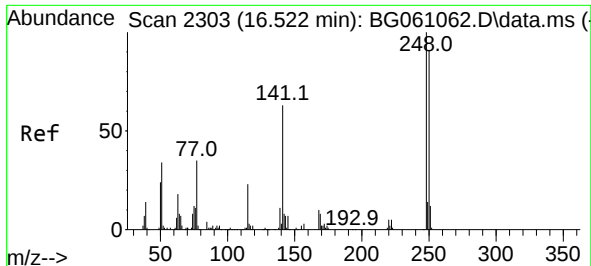
Tgt Ion:139 Resp: 2762
Ion Ratio Lower Upper
139 100
109 0.0 97.7 137.7#
65 0.0 110.7 150.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.306 min Scan# 2437
Delta R.T. -0.027 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

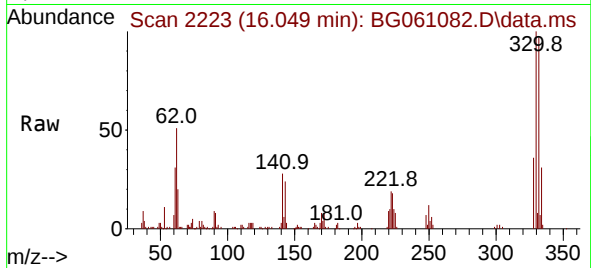
Tgt Ion:188 Resp: 180951
Ion Ratio Lower Upper
188 100
94 3.7 3.6 5.4
80 5.2 4.2 6.2



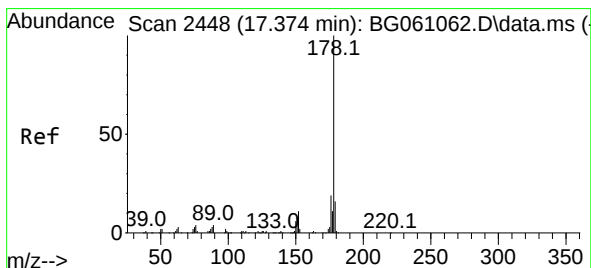
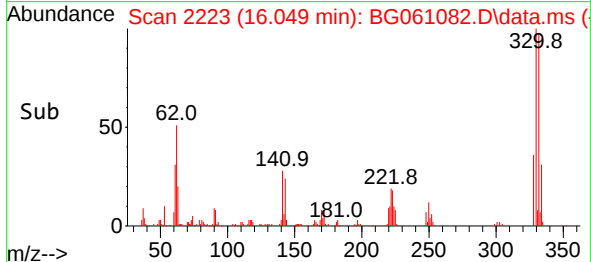
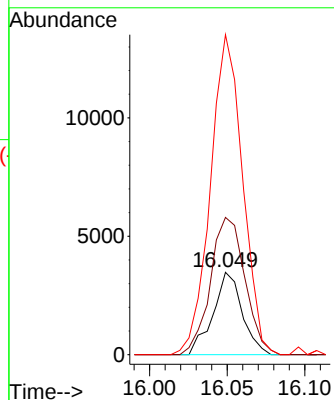


#67
4-Bromophenyl-phenylether
Concen: 2.138 ng
RT: 16.049 min Scan# 21
Delta R.T. -0.473 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

Instrument :
BNA_G
ClientSampleId :

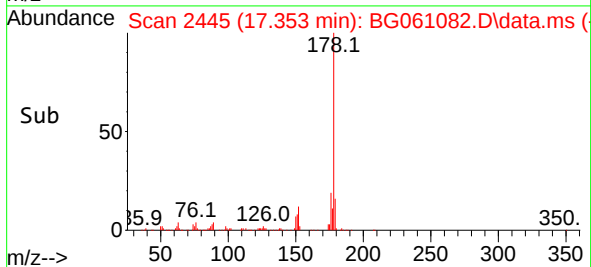
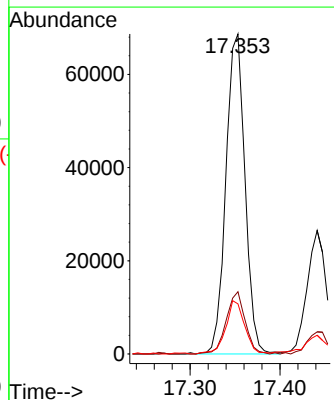
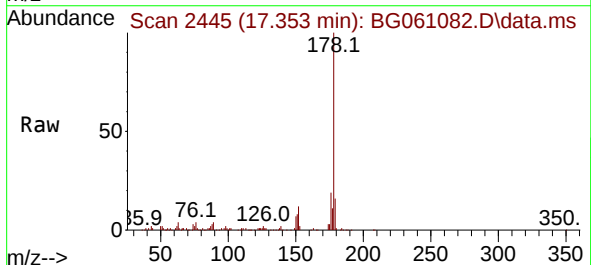


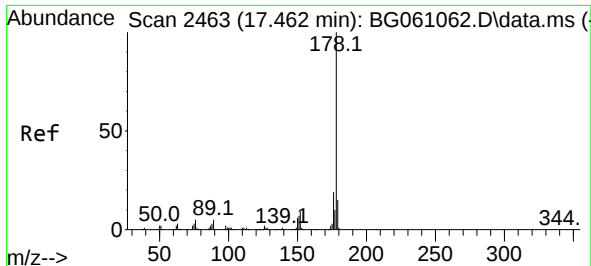
Tgt Ion:248 Resp: 4557
Ion Ratio Lower Upper
248 100
250 166.5 73.0 109.4#
141 388.2 50.8 76.2#



#71
Phenanthrene
Concen: 12.252 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.021 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

Tgt Ion:178 Resp: 101369
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.7 12.6 19.0

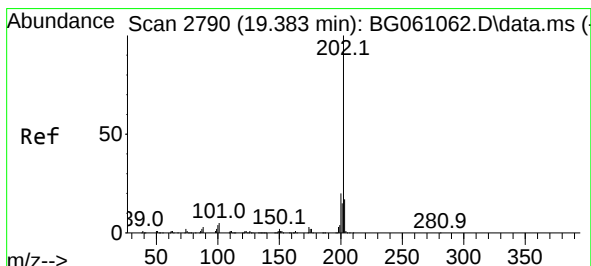
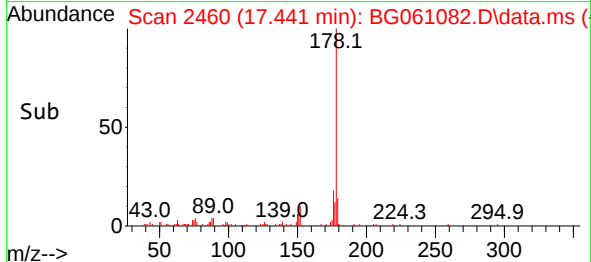
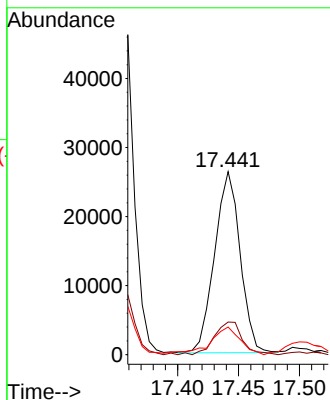
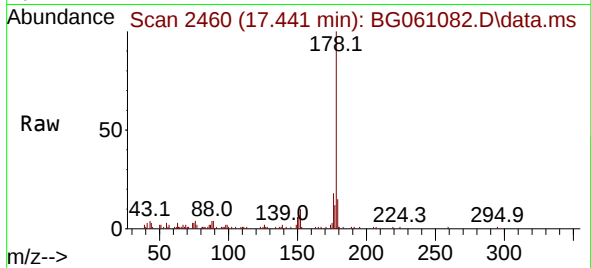




#72
 Anthracene
 Concen: 4.649 ng
 RT: 17.441 min Scan# 2460
 Delta R.T. -0.021 min
 Lab File: BG061082.D
 Acq: 1 May 2024 18:51

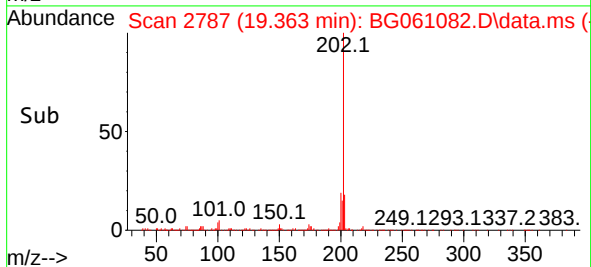
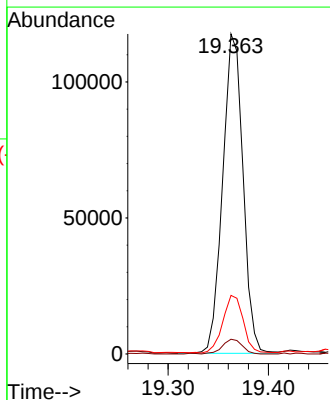
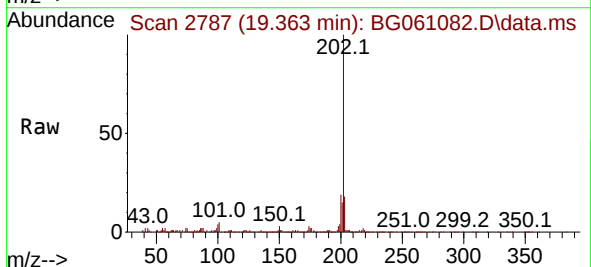
Instrument :
 BNA_G
 ClientSampleId :

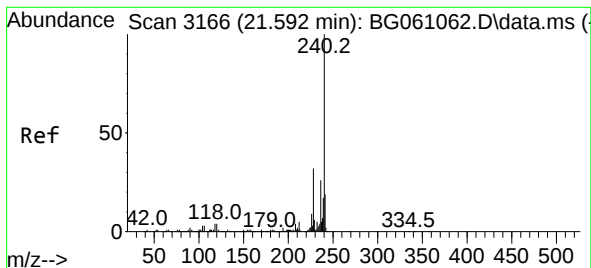
Tgt Ion:178 Resp: 38381
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.0 22.6
 179 15.1 12.0 18.0



#75
 Fluoranthene
 Concen: 14.573 ng
 RT: 19.363 min Scan# 2787
 Delta R.T. -0.021 min
 Lab File: BG061082.D
 Acq: 1 May 2024 18:51

Tgt Ion:202 Resp: 165182
 Ion Ratio Lower Upper
 202 100
 101 4.6 0.0 24.7
 203 18.3 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.566 min Scan# 31

Delta R.T. -0.027 min

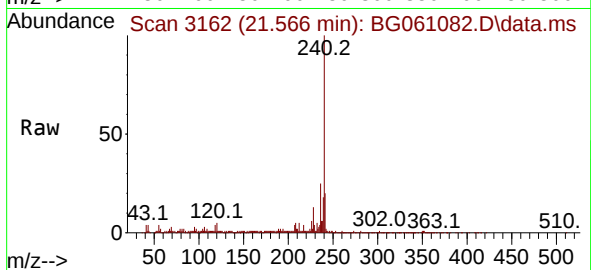
Lab File: BG061082.D

Acq: 1 May 2024 18:51

Instrument :

BNA_G

ClientSampleId :



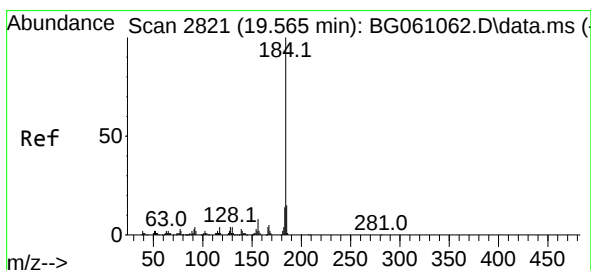
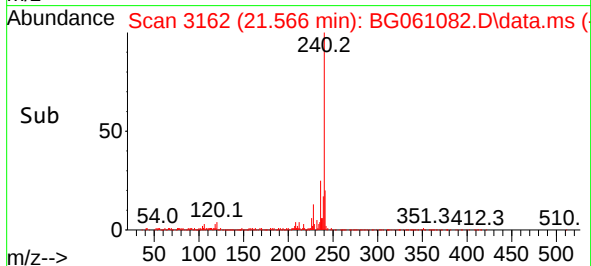
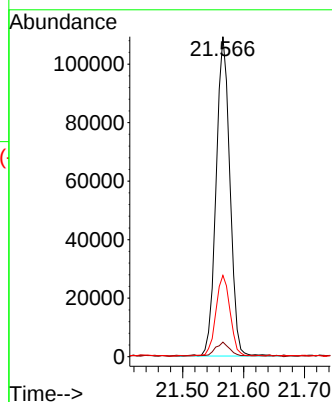
Tgt Ion:240 Resp: 171713

Ion Ratio Lower Upper

240 100

120 4.5 3.2 4.8

236 25.4 21.0 31.6



#77

Benzidine

Concen: 2.853 ng

RT: 19.545 min Scan# 2818

Delta R.T. -0.020 min

Lab File: BG061082.D

Acq: 1 May 2024 18:51

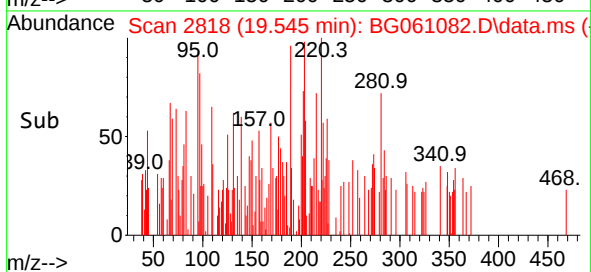
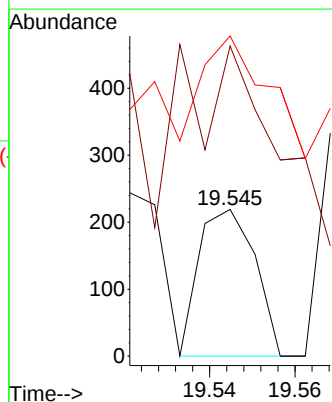
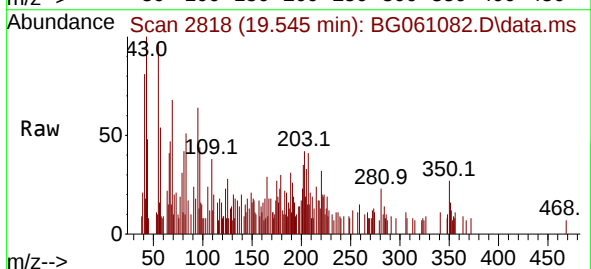
Tgt Ion:184 Resp: 201

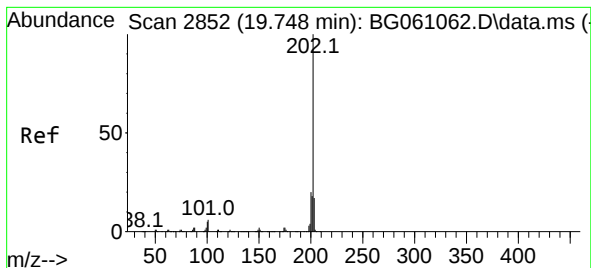
Ion Ratio Lower Upper

184 100

185 211.4 12.0 18.0#

183 218.3 10.9 16.3#





#78

Pyrene

Concen: 14.906 ng

RT: 19.727 min Scan# 2849

Delta R.T. -0.021 min

Lab File: BG061082.D

Acq: 1 May 2024 18:51

Instrument :

BNA_G

ClientSampleId :

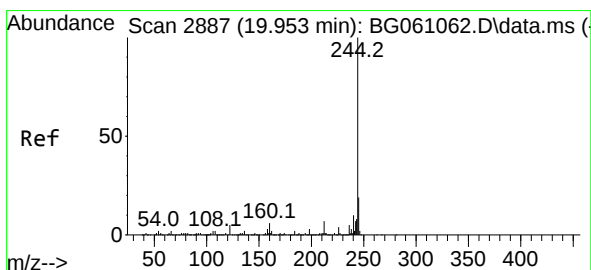
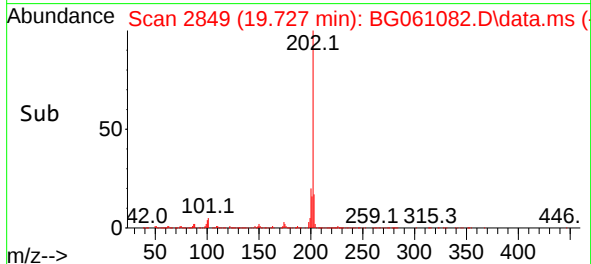
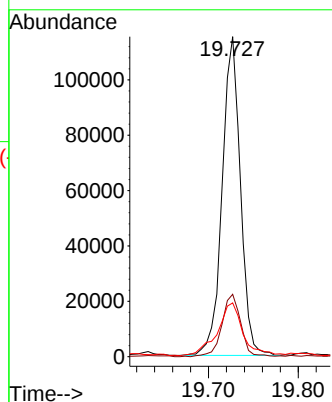
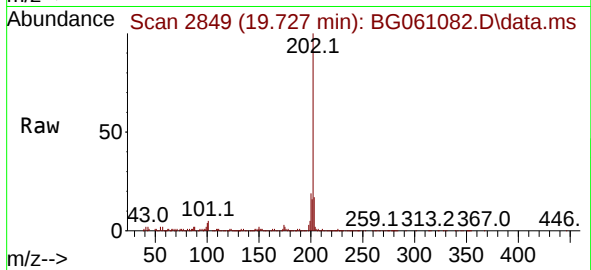
Tgt Ion:202 Resp: 162723

Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.4

203 16.8 13.3 19.9



#79

Terphenyl-d14

Concen: 32.591 ng

RT: 19.927 min Scan# 2883

Delta R.T. -0.027 min

Lab File: BG061082.D

Acq: 1 May 2024 18:51

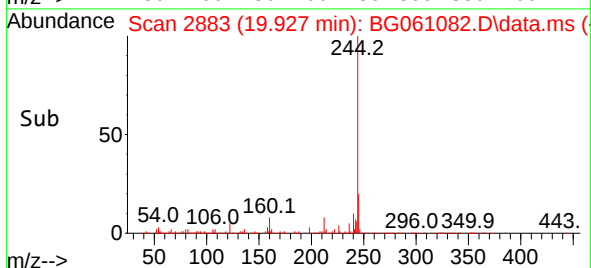
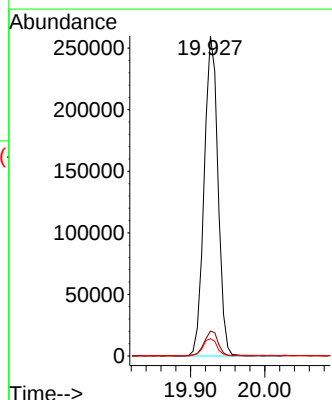
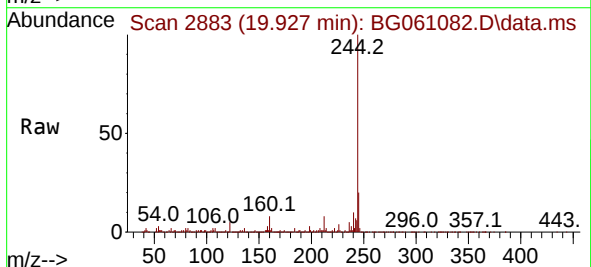
Tgt Ion:244 Resp: 336494

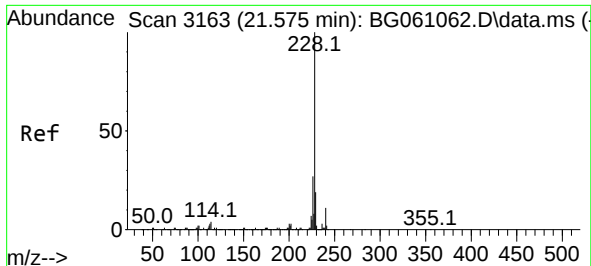
Ion Ratio Lower Upper

244 100

212 7.7 5.7 8.5

122 5.4 4.2 6.2

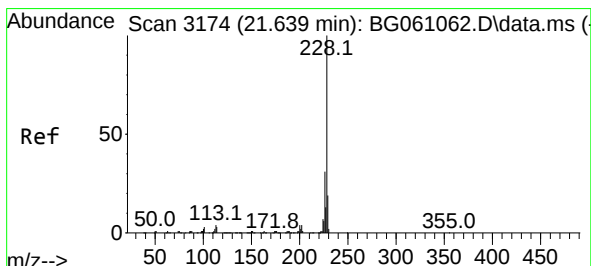
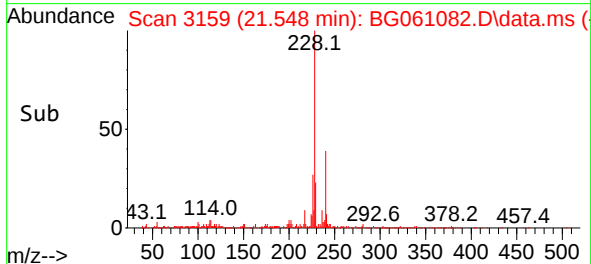
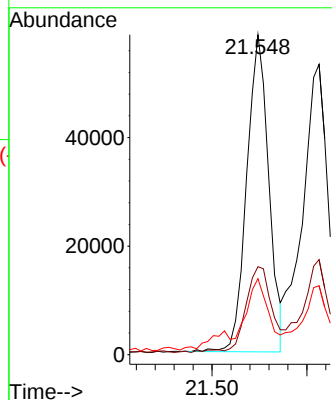
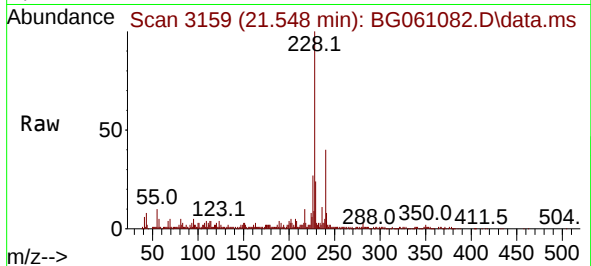




#81
Benzo(a)anthracene
Concen: 8.398 ng
RT: 21.548 min Scan# 3163
Delta R.T. -0.027 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

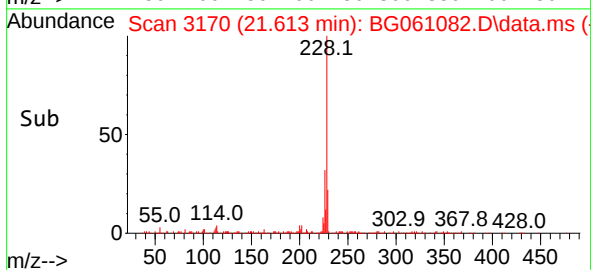
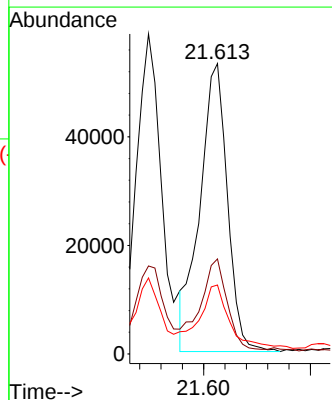
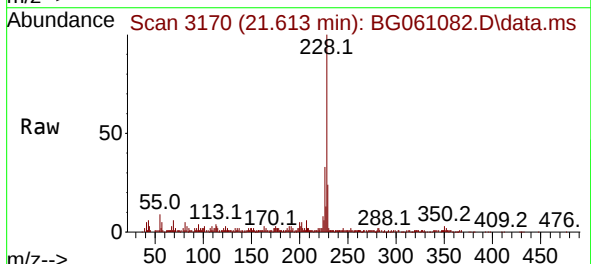
Instrument :
BNA_G
ClientSampleId :

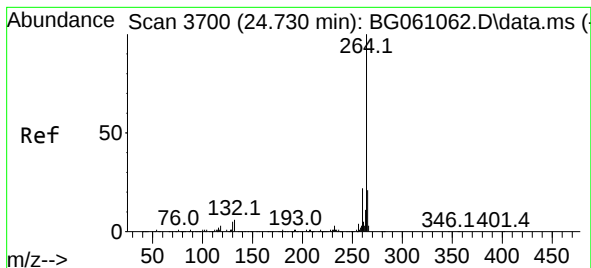
Tgt Ion:228 Resp: 94362
Ion Ratio Lower Upper
228 100
226 27.5 21.6 32.4
229 23.7 15.0 22.4#



#83
Chrysene
Concen: 9.071 ng
RT: 21.613 min Scan# 3170
Delta R.T. -0.027 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

Tgt Ion:228 Resp: 95497
Ion Ratio Lower Upper
228 100
226 32.7 24.4 36.6
229 23.8 14.8 22.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.686 min Scan# 3

Delta R.T. -0.044 min

Lab File: BG061082.D

Acq: 1 May 2024 18:51

Instrument :

BNA_G

ClientSampleId :

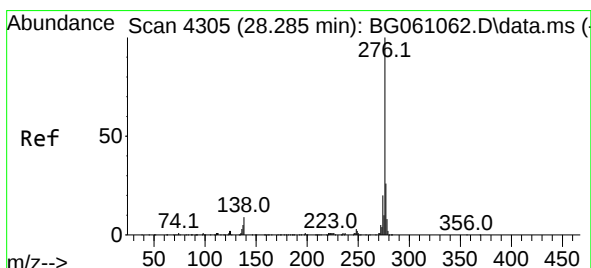
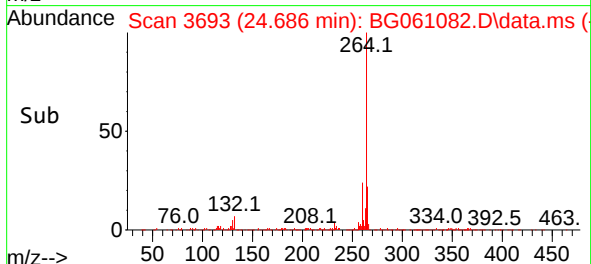
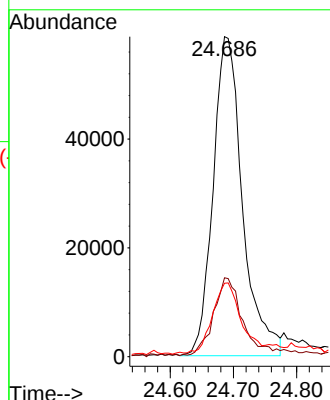
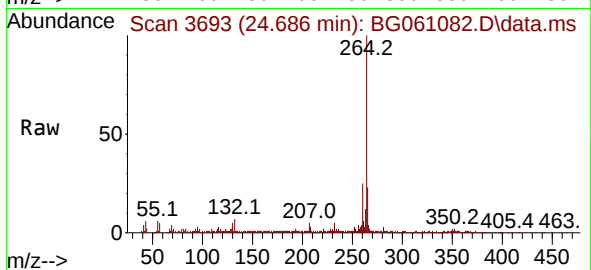
Tgt Ion:264 Resp: 189404

Ion Ratio Lower Upper

264 100

260 24.7 17.7 26.5

265 23.0 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.021 ng

RT: 28.229 min Scan# 4296

Delta R.T. -0.056 min

Lab File: BG061082.D

Acq: 1 May 2024 18:51

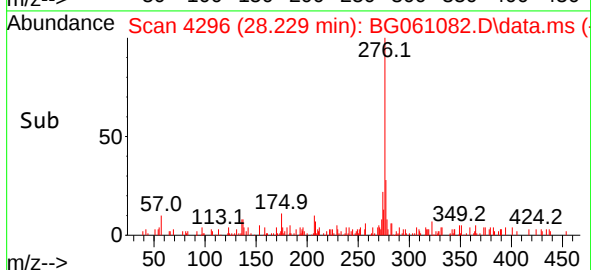
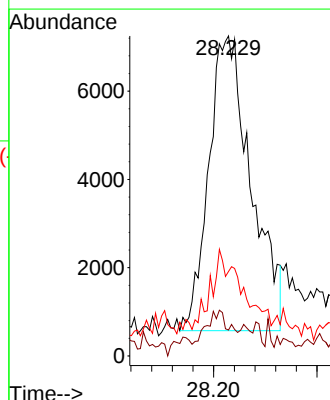
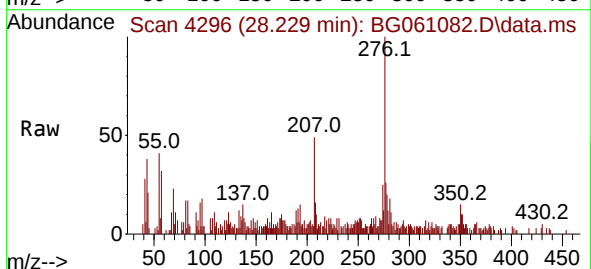
Tgt Ion:276 Resp: 37915

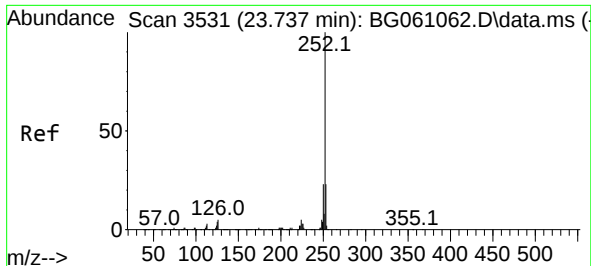
Ion Ratio Lower Upper

276 100

138 4.8 5.1 7.7#

277 8.9 20.6 30.8#

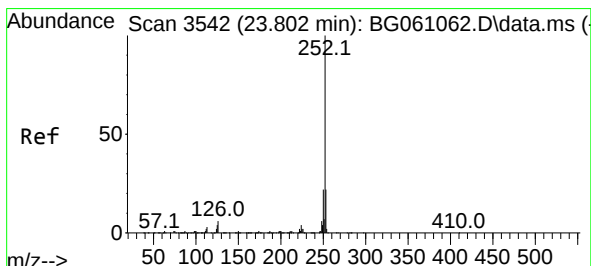
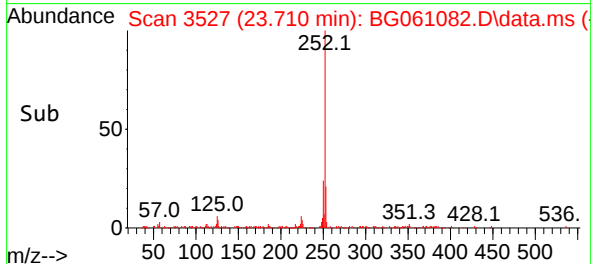
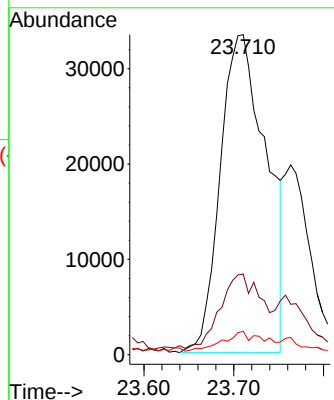
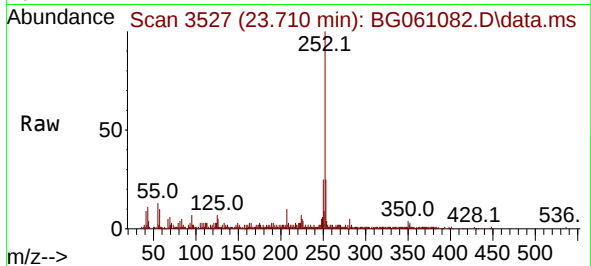




#88
Benzo(b)fluoranthene
Concen: 11.225 ng
RT: 23.710 min Scan# 3527
Delta R.T. -0.027 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

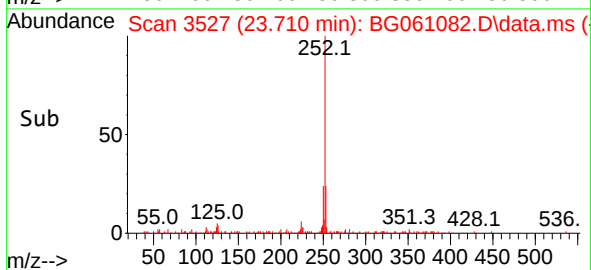
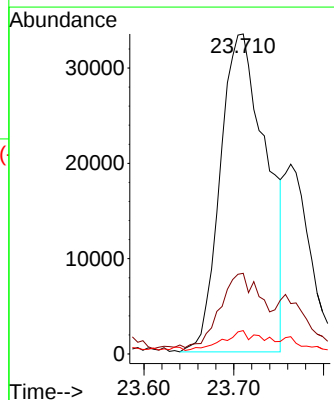
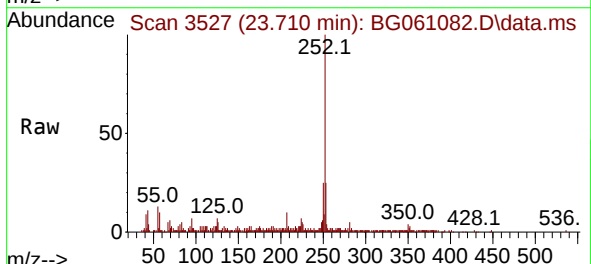
Instrument :
BNA_G
ClientSampleId :

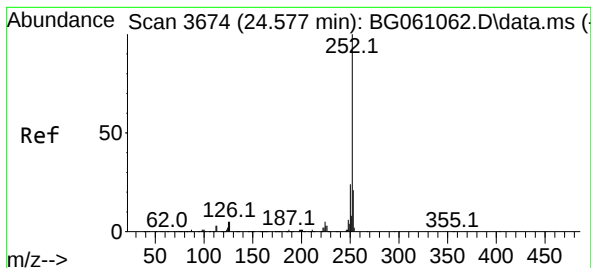
Tgt Ion:252 Resp: 118807
Ion Ratio Lower Upper
252 100
253 25.2 18.2 27.2
125 7.3 3.4 5.0#



#89
Benzo(k)fluoranthene
Concen: 11.668 ng
RT: 23.710 min Scan# 3527
Delta R.T. -0.091 min
Lab File: BG061082.D
Acq: 1 May 2024 18:51

Tgt Ion:252 Resp: 118807
Ion Ratio Lower Upper
252 100
253 25.2 17.3 25.9
125 7.3 3.2 4.8#





#90

Benzo(a)pyrene

Concen: 9.126 ng

RT: 24.545 min Scan# 3

Delta R.T. -0.032 min

Lab File: BG061082.D

Acq: 1 May 2024 18:51

Instrument :

BNA_G

ClientSampleId :

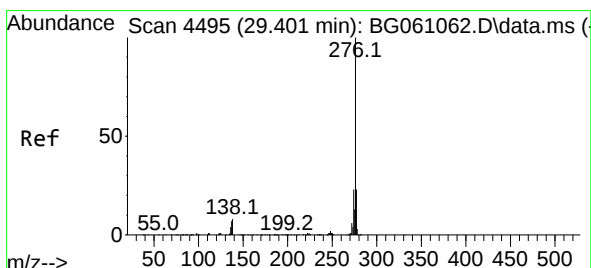
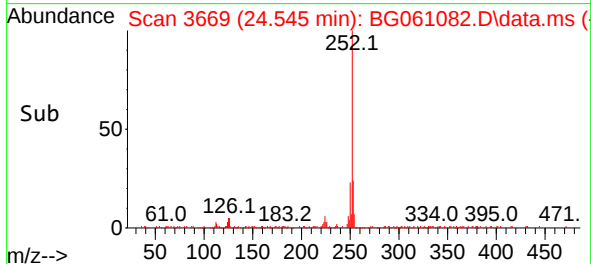
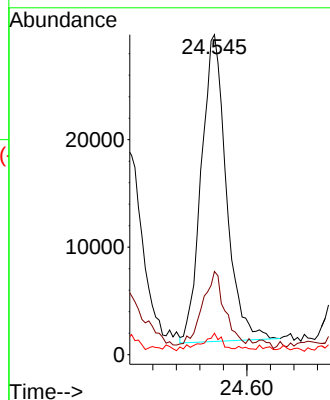
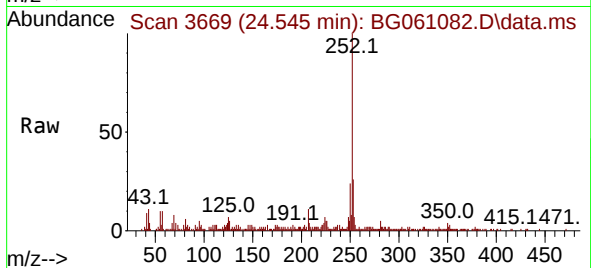
Tgt Ion:252 Resp: 84153

Ion Ratio Lower Upper

252 100

253 26.0 16.9 25.3#

125 6.7 3.8 5.8#



#92

Benzo(g,h,i)perylene

Concen: 2.842 ng

RT: 29.333 min Scan# 4484

Delta R.T. -0.068 min

Lab File: BG061082.D

Acq: 1 May 2024 18:51

Tgt Ion:276 Resp: 29358

Ion Ratio Lower Upper

276 100

277 26.9 18.2 27.4

138 22.9 6.2 9.2#

