

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
 Data File : BG061242.D
 Acq On : 17 May 2024 17:14
 Operator : MA/JU
 Sample : P2495-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RT-3463

Quant Time: May 17 17:51:52 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)

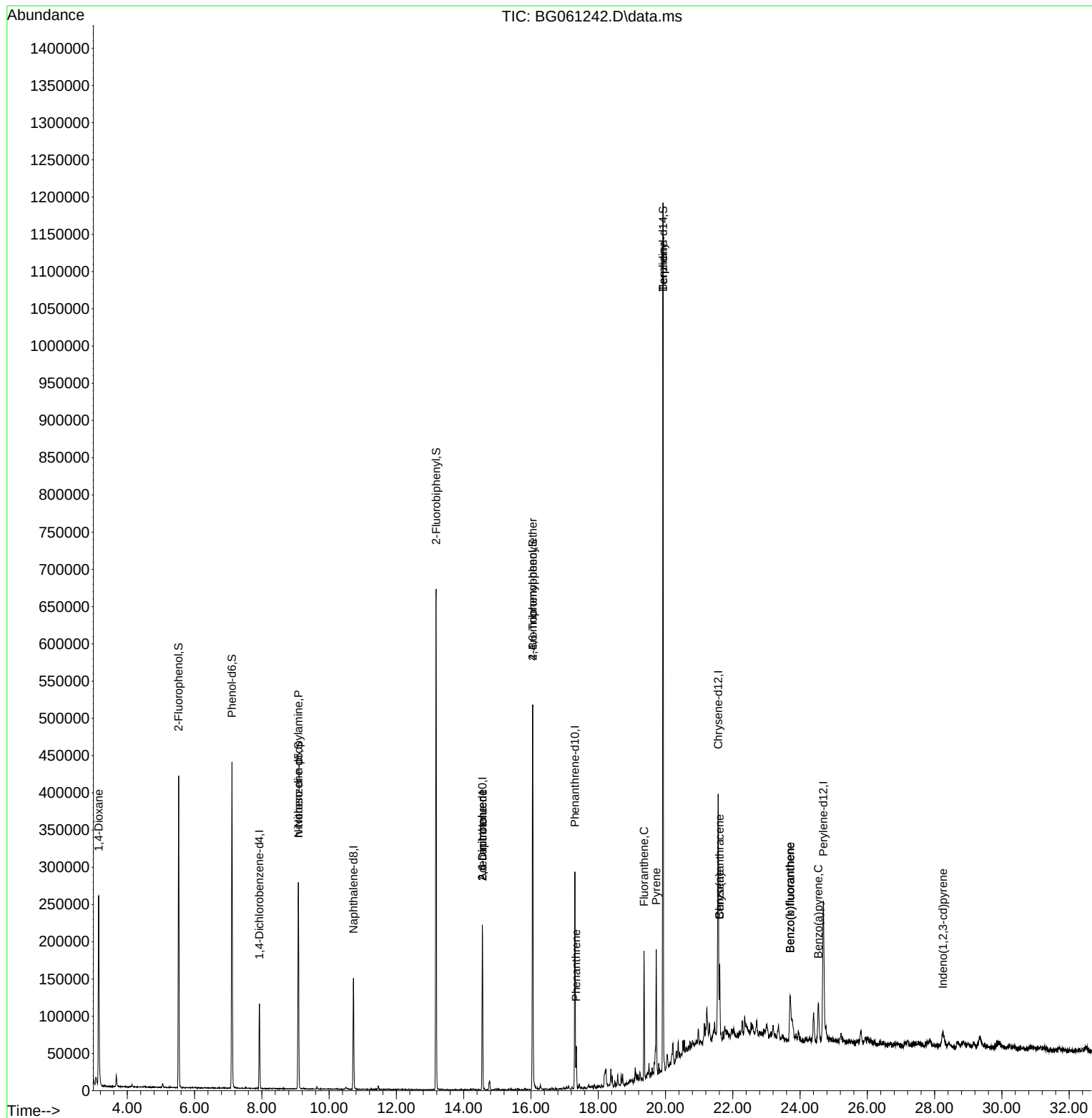
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.929	152	29201	20.000	ng	-0.03
21) Naphthalene-d8	10.726	136	114719	20.000	ng	#-0.03
39) Acenaphthene-d10	14.557	164	82610	20.000	ng	-0.03
64) Phenanthrene-d10	17.307	188	183024	20.000	ng	#-0.03
76) Chrysene-d12	21.566	240	180725	20.000	ng	#-0.03
86) Perylene-d12	24.692	264	224612	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	146125	101.770	ng	-0.02
7) Phenol-d6	7.113	99	195226	91.912	ng	-0.02
23) Nitrobenzene-d5	9.087	82	141987	61.355	ng	-0.03
42) 2,4,6-Tribromophenol	16.055	330	120126	72.749	ng	-0.02
45) 2-Fluorobiphenyl	13.182	172	348790	62.433	ng	-0.03
79) Terphenyl-d14	19.927	244	608095	55.961	ng	-0.03
Target Compounds						Qvalue
2) 1,4-Dioxane	3.152	88	2264	3.900	ng	# 1
9) Benzaldehyde	7.118	77	233	Below Cal		# 3
19) n-Nitroso-di-n-propyla...	9.087	70	21339	13.424	ng	# 57
51) 2,6-Dinitrotoluene	14.557	165	10471	7.672	ng	# 16
57) 2,4-Dinitrotoluene	14.557	165	10471	5.186	ng	# 18
67) 4-Bromophenyl-phenylether	16.055	248	7261	3.368	ng	# 1
71) Phenanthrene	17.348	178	35049	4.188	ng	97
75) Fluoranthene	19.363	202	104932	9.153	ng	98
77) Benzidine	19.927	184	9167	5.306	ng	# 91
78) Pyrene	19.727	202	106571	9.275	ng	98
81) Benzo(a)anthracene	21.613	228	73293	6.198	ng	95
83) Chrysene	21.613	228	73293	6.615	ng	99
87) Indeno(1,2,3-cd)pyrene	28.247	276	34557	2.322	ng	# 96
88) Benzo(b)fluoranthene	23.711	252	106560	8.490	ng	98
89) Benzo(k)fluoranthene	23.711	252	106560	8.825	ng	# 96
90) Benzo(a)pyrene	24.545	252	58065	5.310	ng	# 92

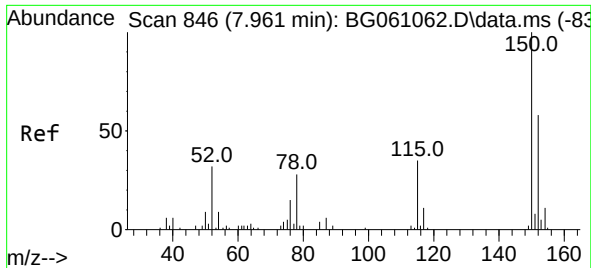
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051724\
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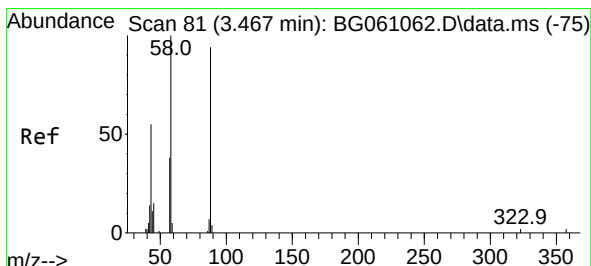
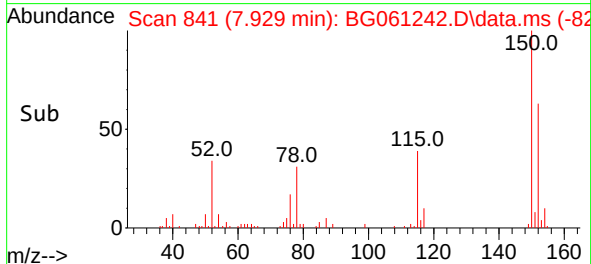
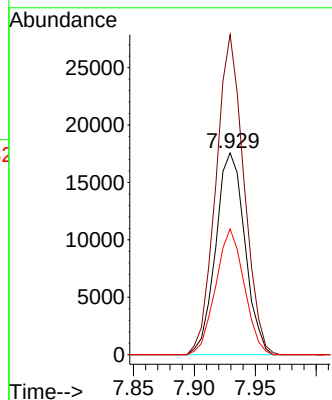
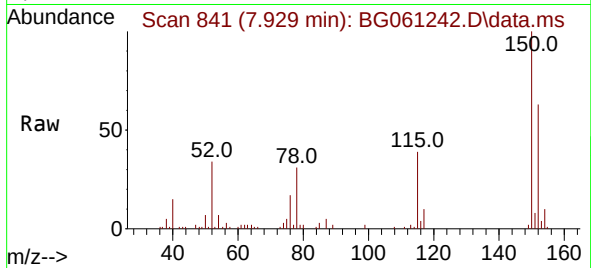




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.929 min Scan# 84
Delta R.T. -0.032 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

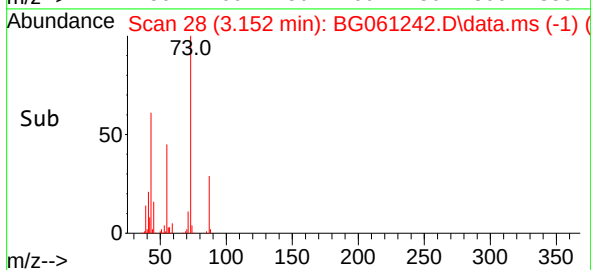
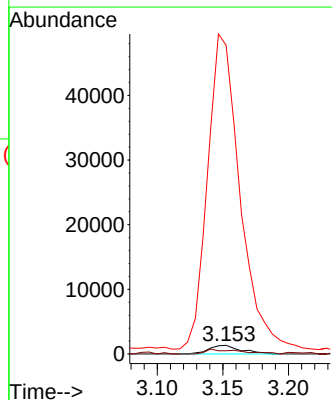
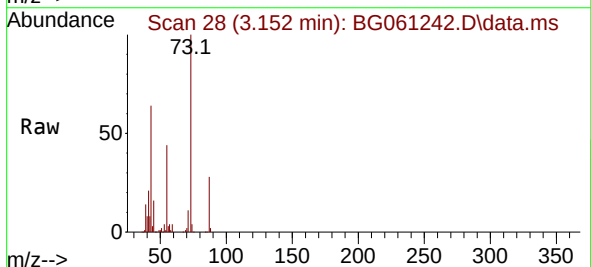
Instrument :
BNA_G
ClientSampleId :
RT-3463

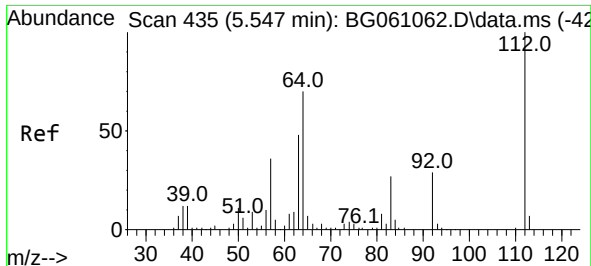
Tgt Ion:152 Resp: 29201
Ion Ratio Lower Upper
152 100
150 158.7 138.3 207.5
115 62.3 48.0 72.0



#2
1,4-Dioxane
Concen: 3.900 ng
RT: 3.152 min Scan# 28
Delta R.T. -0.314 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

Tgt Ion: 88 Resp: 2264
Ion Ratio Lower Upper
88 100
58 59.4 81.2 121.8#
43 3722.4 45.0 67.4#

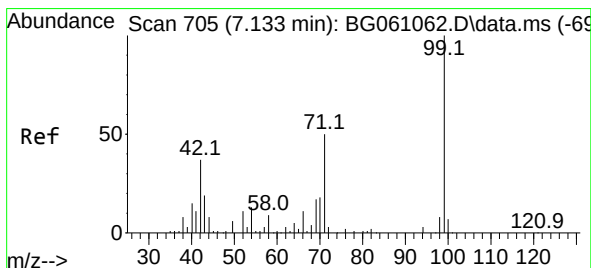
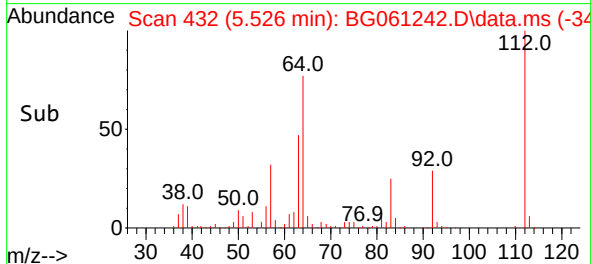
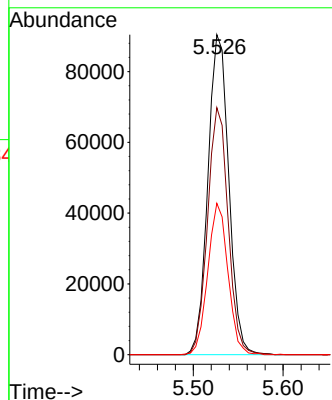
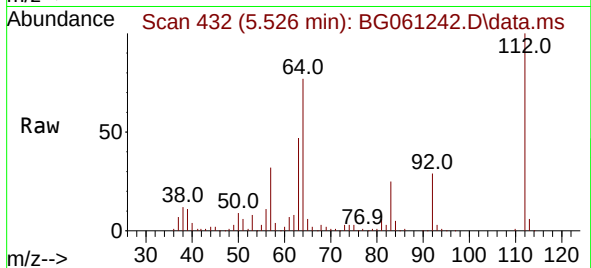




#5
2-Fluorophenol
Concen: 101.770 ng
RT: 5.526 min Scan# 41
Delta R.T. -0.020 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

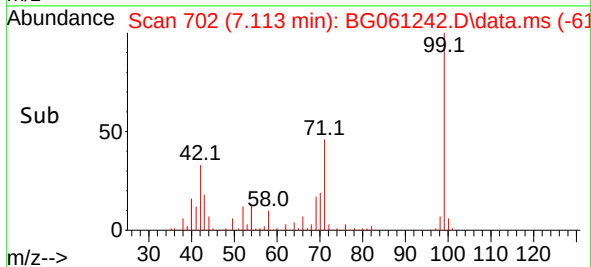
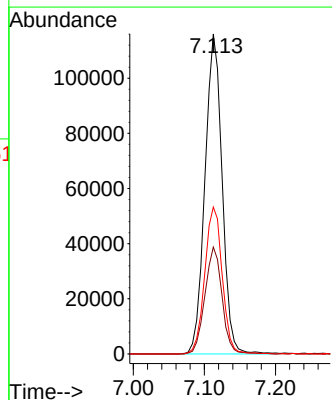
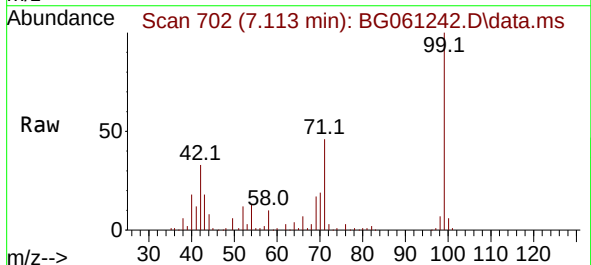
Instrument :
BNA_G
ClientSampleId :
RT-3463

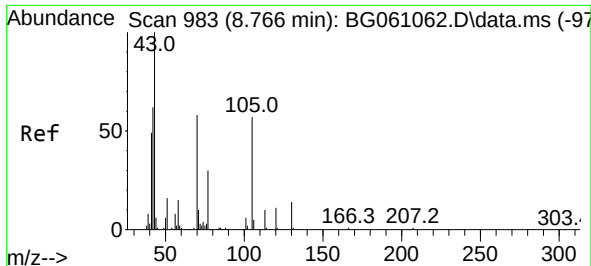
Tgt Ion:112 Resp: 146125
Ion Ratio Lower Upper
112 100
64 77.2 55.7 83.5
63 47.3 38.1 57.1



#7
Phenol-d6
Concen: 91.912 ng
RT: 7.113 min Scan# 702
Delta R.T. -0.020 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

Tgt Ion: 99 Resp: 195226
Ion Ratio Lower Upper
99 100
42 33.4 29.2 43.8
71 45.9 39.7 59.5

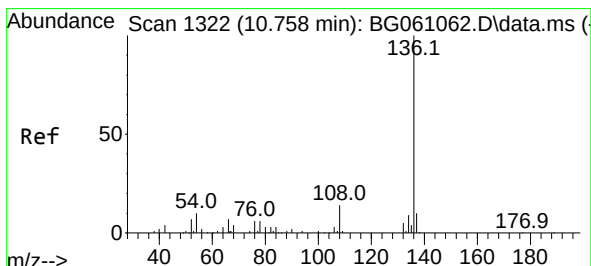
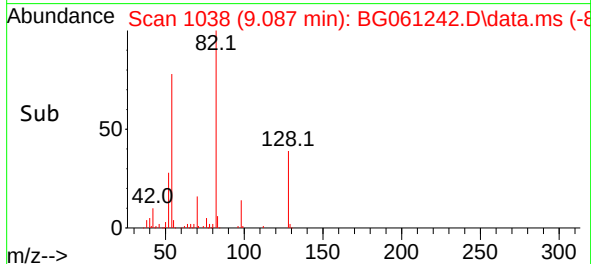
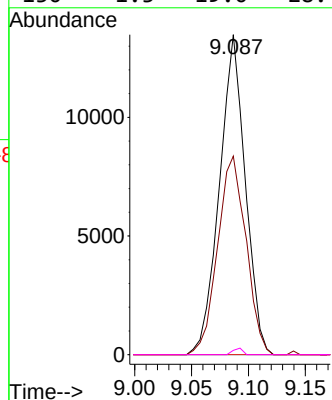
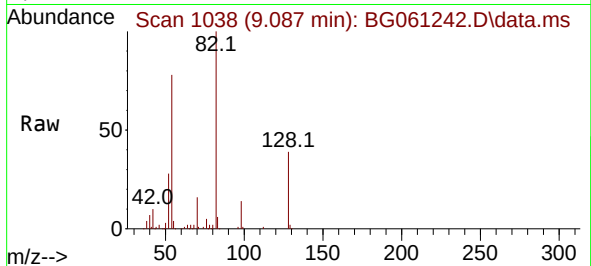




#19
n-Nitroso-di-n-propylamine
Concen: 13.424 ng
RT: 9.087 min Scan# 1038
Delta R.T. 0.320 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

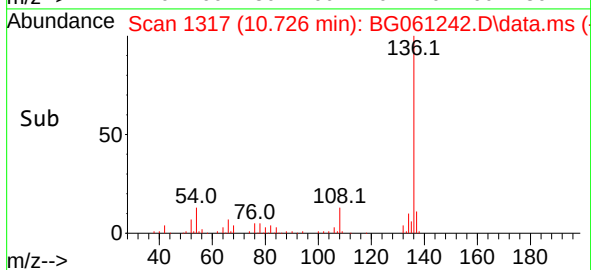
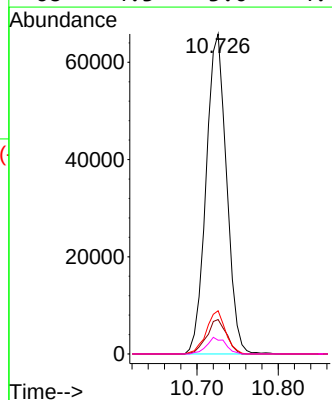
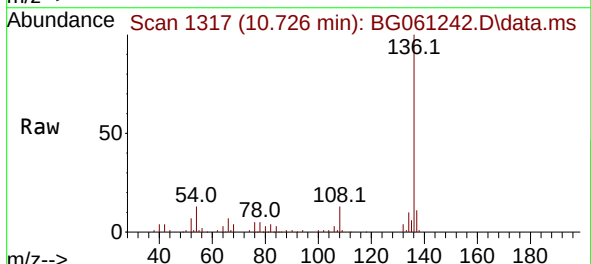
Instrument :
BNA_G
ClientSampleId :
RT-3463

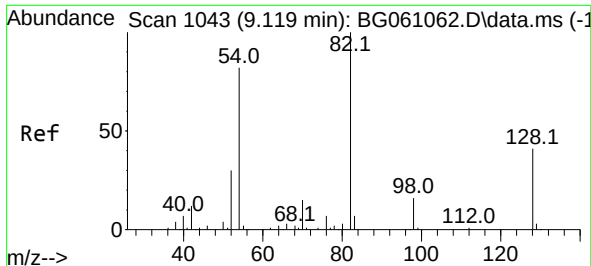
Tgt Ion: 70 Resp: 21339
Ion Ratio Lower Upper
70 100
42 62.0 86.4 129.6#
101 0.0 7.8 11.8#
130 1.3 19.0 28.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.726 min Scan# 1317
Delta R.T. -0.032 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

Tgt Ion: 136 Resp: 114719
Ion Ratio Lower Upper
136 100
137 10.8 7.8 11.6
54 13.5 8.1 12.1#
68 4.3 3.0 4.4





#23

Nitrobenzene-d5

Concen: 61.355 ng

RT: 9.087 min Scan# 1043

Delta R.T. -0.032 min

Lab File: BG061242.D

Acq: 17 May 2024 17:14

Instrument :

BNA_G

ClientSampleId :

RT-3463

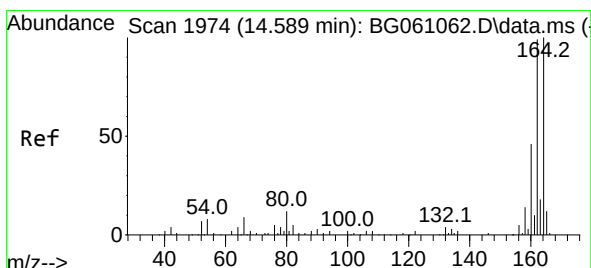
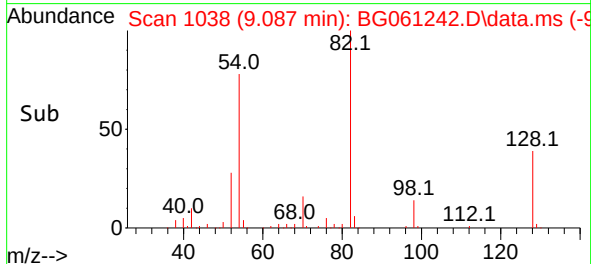
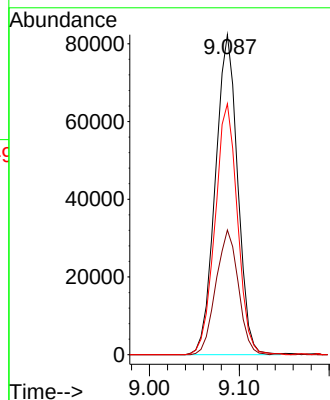
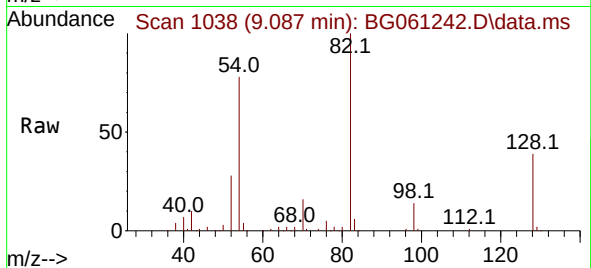
Tgt Ion: 82 Resp: 141987

Ion Ratio Lower Upper

82 100

128 39.0 32.7 49.1

54 78.4 65.6 98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.557 min Scan# 1969

Delta R.T. -0.032 min

Lab File: BG061242.D

Acq: 17 May 2024 17:14

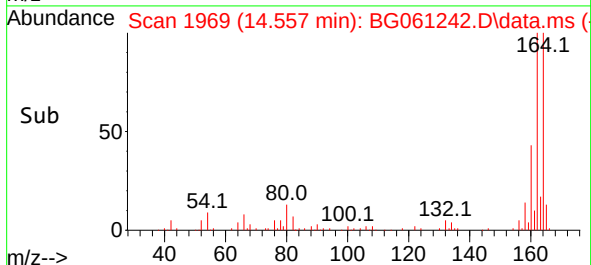
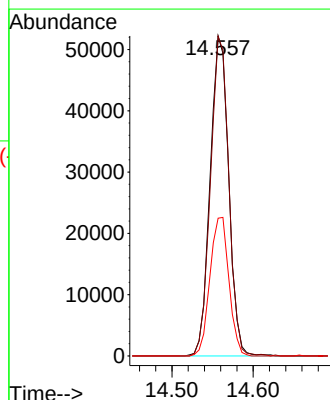
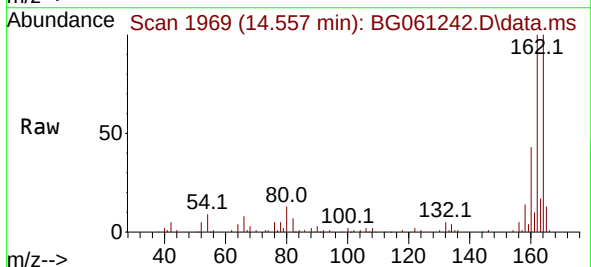
Tgt Ion:164 Resp: 82610

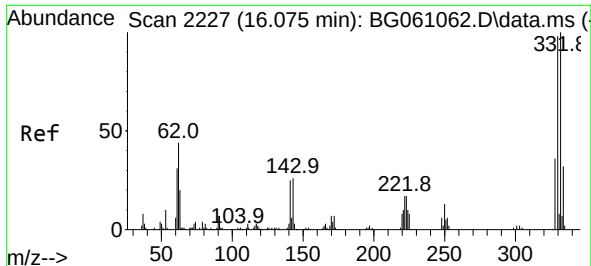
Ion Ratio Lower Upper

164 100

162 99.9 79.4 119.2

160 43.0 37.0 55.6

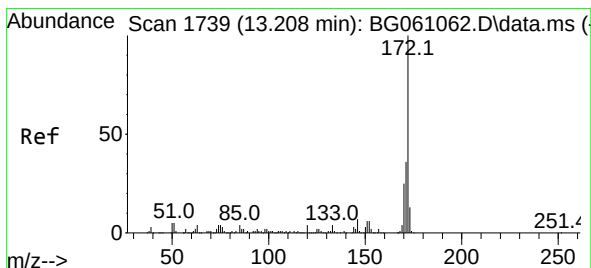
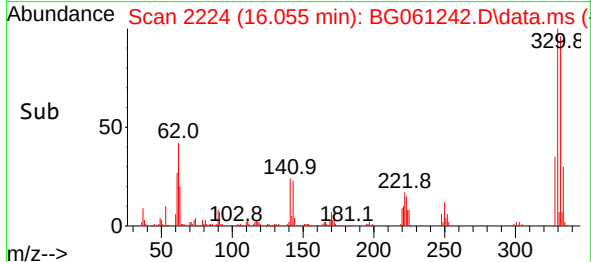
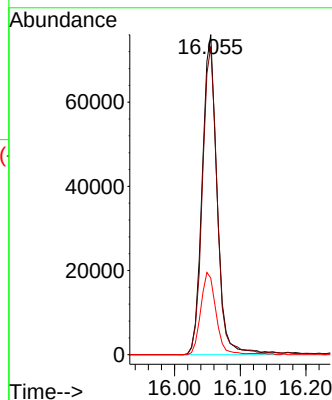
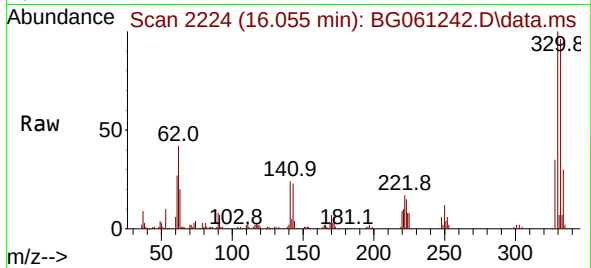




#42
2,4,6-Tribromophenol
Concen: 72.749 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.020 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

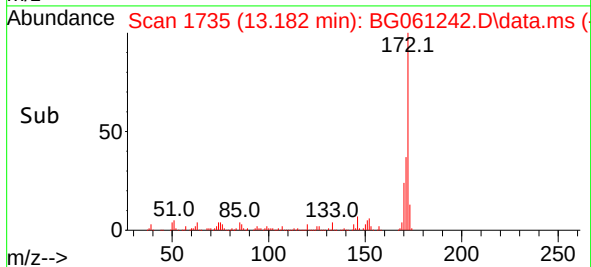
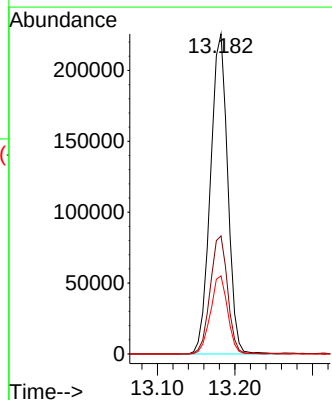
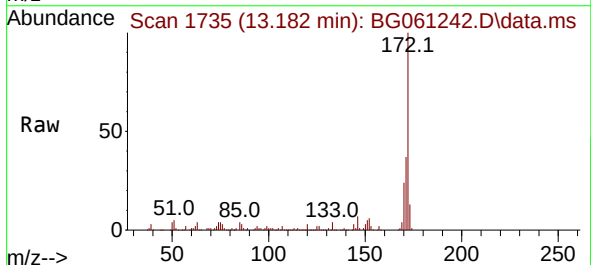
Instrument :
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RT-3463

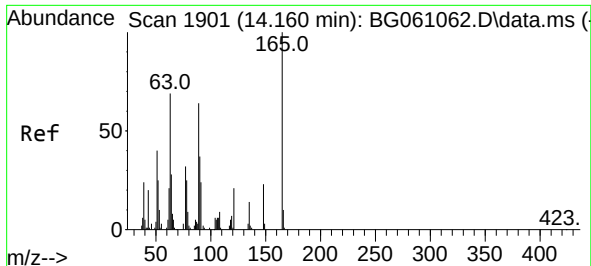
Tgt Ion:330 Resp: 120126
Ion Ratio Lower Upper
330 100
332 96.1 78.6 117.8
141 26.1 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 62.433 ng
RT: 13.182 min Scan# 1735
Delta R.T. -0.026 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

Tgt Ion:172 Resp: 348790
Ion Ratio Lower Upper
172 100
171 36.9 29.0 43.6
170 24.4 20.2 30.4

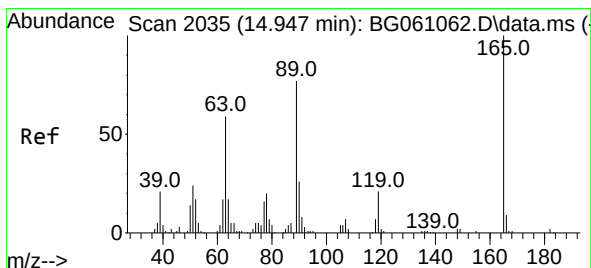
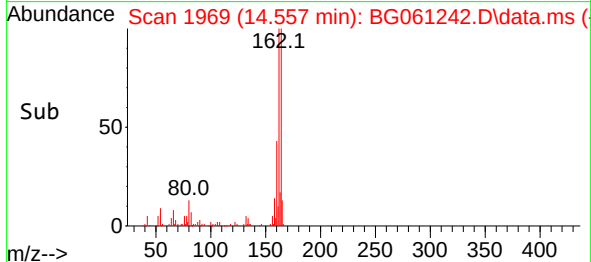
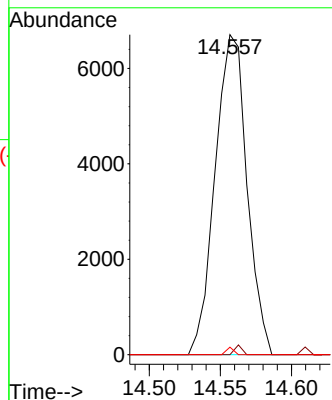
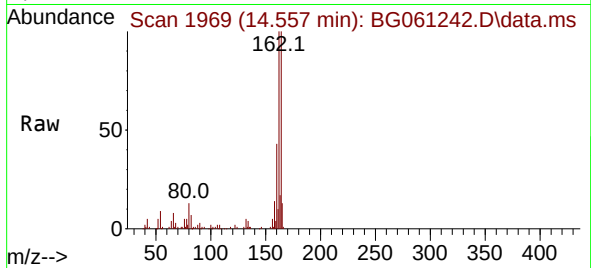




#51
2,6-Dinitrotoluene
Concen: 7.672 ng
RT: 14.557 min Scan# 1901
Delta R.T. 0.397 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

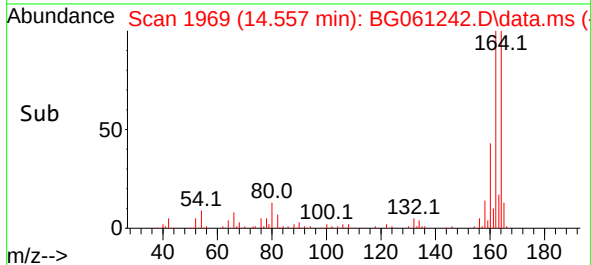
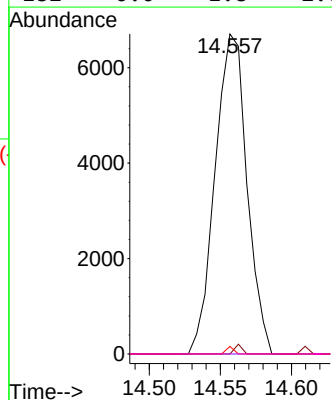
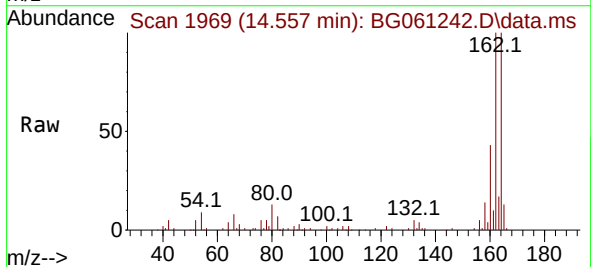
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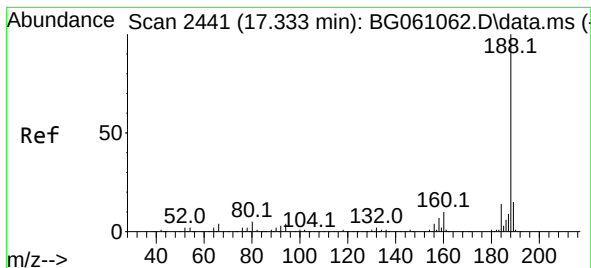
Tgt Ion:165 Resp: 10471
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 2.4 50.9 76.3#



#57
2,4-Dinitrotoluene
Concen: 5.186 ng
RT: 14.557 min Scan# 1969
Delta R.T. -0.391 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

Tgt Ion:165 Resp: 10471
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 2.4 61.8 92.8#
182 0.0 1.8 2.6#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.307 min Scan# 2441

Delta R.T. -0.026 min

Lab File: BG061242.D

Acq: 17 May 2024 17:14

Instrument :

BNA_G

ClientSampleId :

RT-3463

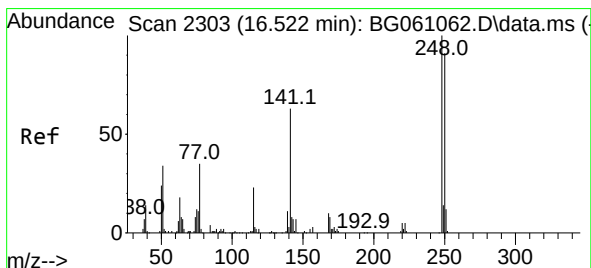
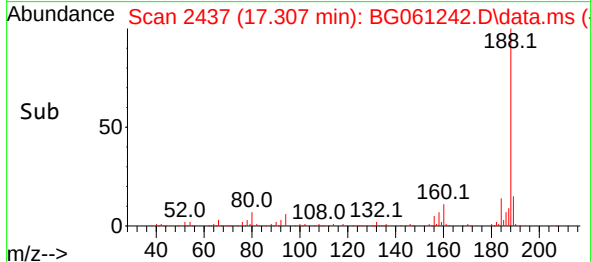
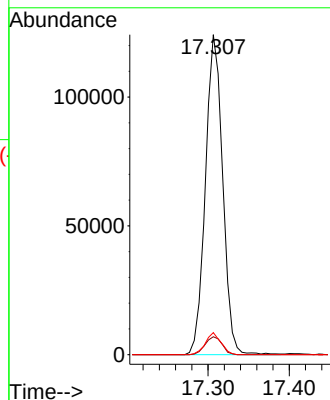
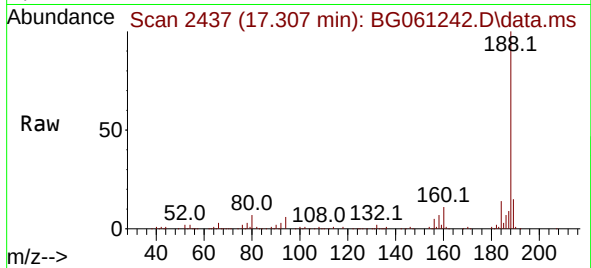
Tgt Ion:188 Resp: 183024

Ion Ratio Lower Upper

188 100

94 5.6 3.6 5.4#

80 6.9 4.2 6.2#



#67

4-Bromophenyl-phenylether

Concen: 3.368 ng

RT: 16.055 min Scan# 2224

Delta R.T. -0.467 min

Lab File: BG061242.D

Acq: 17 May 2024 17:14

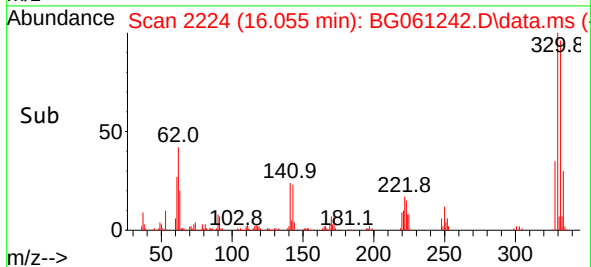
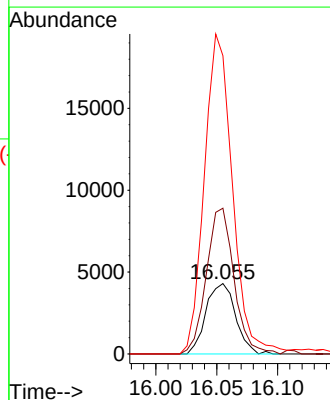
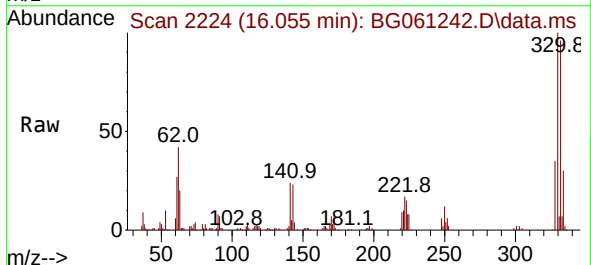
Tgt Ion:248 Resp: 7261

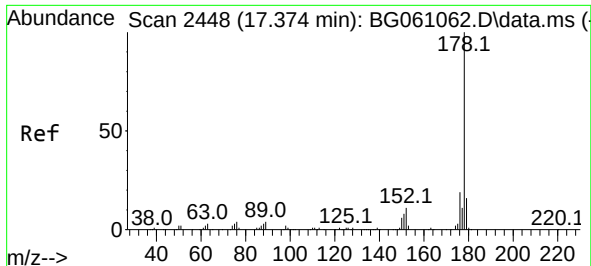
Ion Ratio Lower Upper

248 100

250 207.2 73.0 109.4#

141 424.0 50.8 76.2#

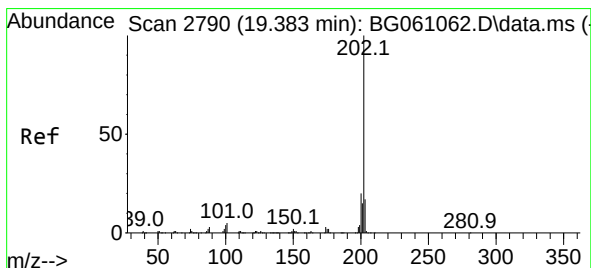
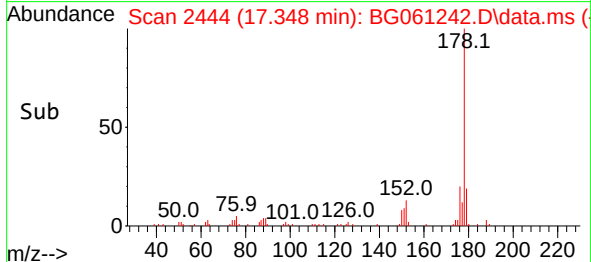
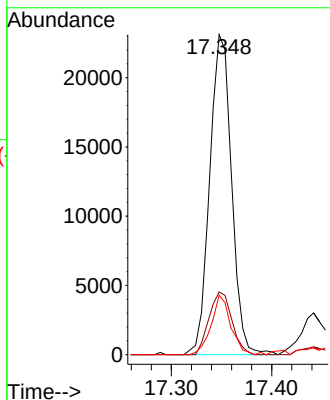
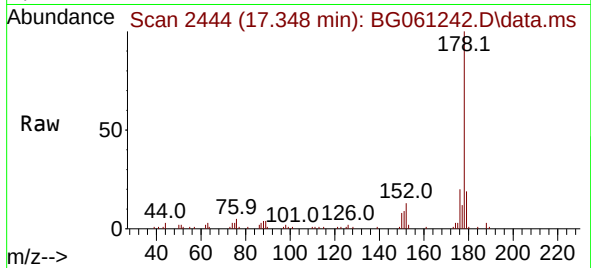




#71
Phenanthrene
Concen: 4.188 ng
RT: 17.348 min Scan# 2448
Delta R.T. -0.026 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

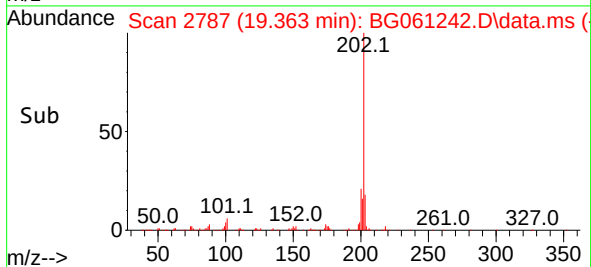
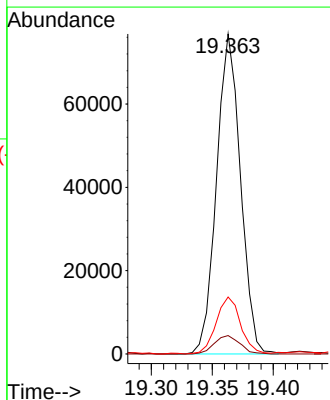
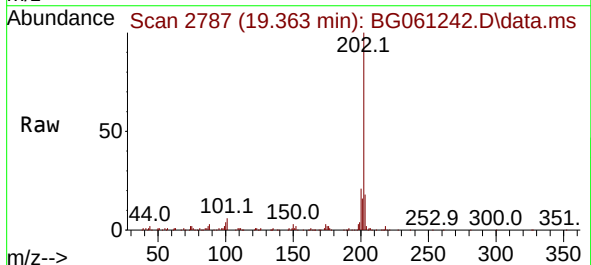
Instrument :
BNA_G
ClientSampleId :
RT-3463

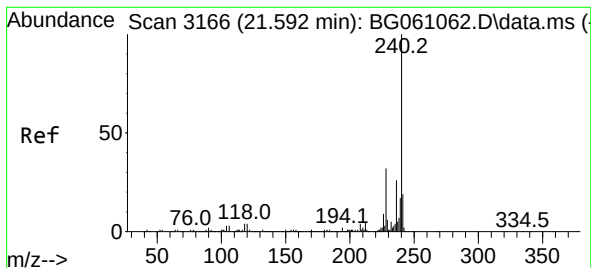
Tgt Ion:178 Resp: 35049
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 18.6 12.6 19.0



#75
Fluoranthene
Concen: 9.153 ng
RT: 19.363 min Scan# 2787
Delta R.T. -0.020 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

Tgt Ion:202 Resp: 104932
Ion Ratio Lower Upper
202 100
101 5.7 0.0 24.7
203 17.8 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.566 min Scan# 3166

Delta R.T. -0.026 min

Lab File: BG061242.D

Acq: 17 May 2024 17:14

Instrument :

BNA_G

ClientSampleId :

RT-3463

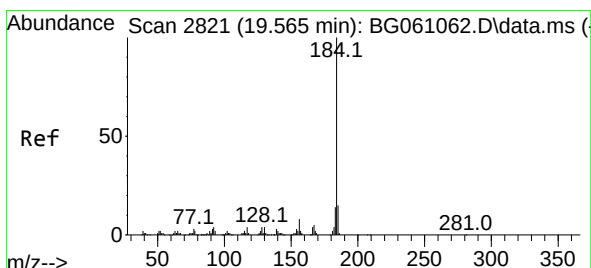
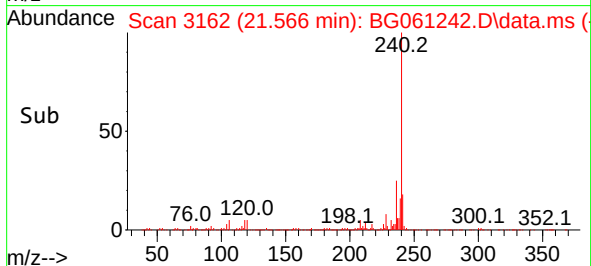
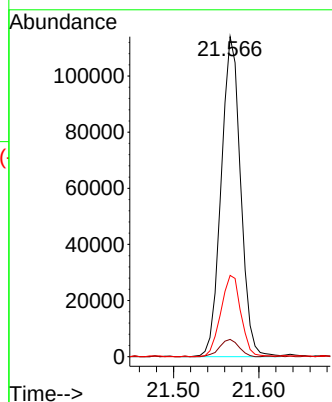
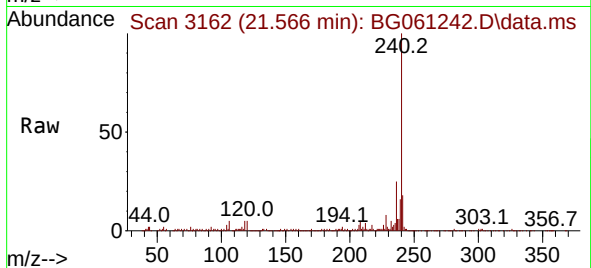
Tgt Ion:240 Resp: 180725

Ion Ratio Lower Upper

240 100

120 5.4 3.2 4.8#

236 25.4 21.0 31.6



#77

Benzidine

Concen: 5.306 ng

RT: 19.927 min Scan# 2883

Delta R.T. 0.362 min

Lab File: BG061242.D

Acq: 17 May 2024 17:14

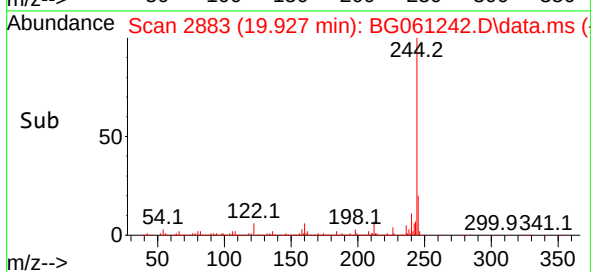
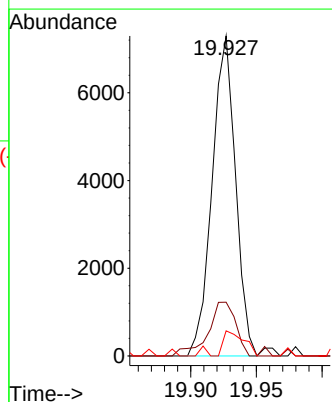
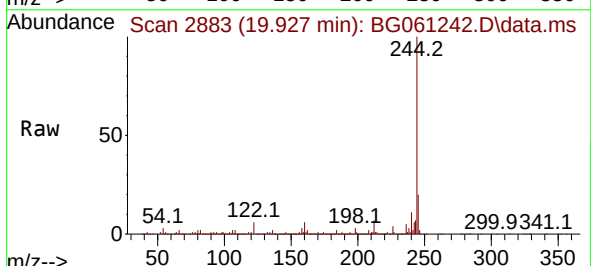
Tgt Ion:184 Resp: 9167

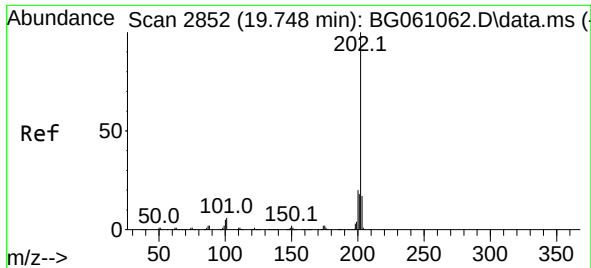
Ion Ratio Lower Upper

184 100

185 16.8 12.0 18.0

183 7.9 10.9 16.3#

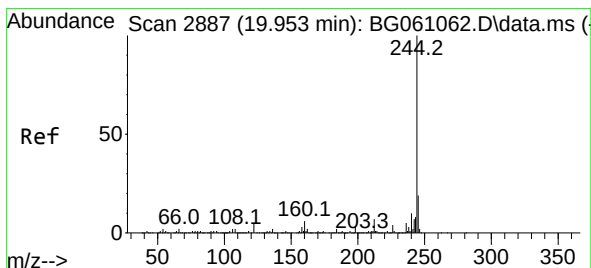
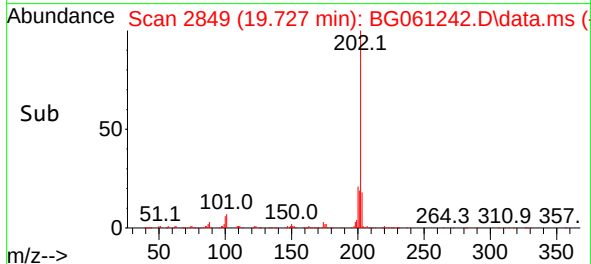
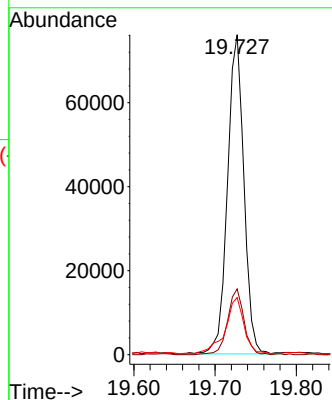
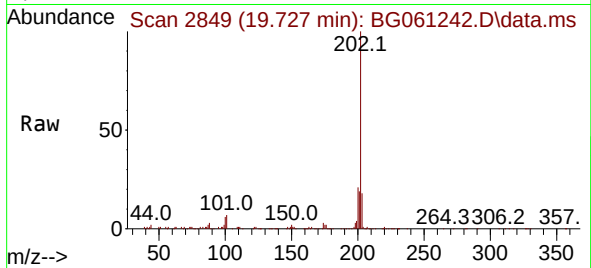




#78
 Pyrene
 Concen: 9.275 ng
 RT: 19.727 min Scan# 21
 Delta R.T. -0.020 min
 Lab File: BG061242.D
 Acq: 17 May 2024 17:14

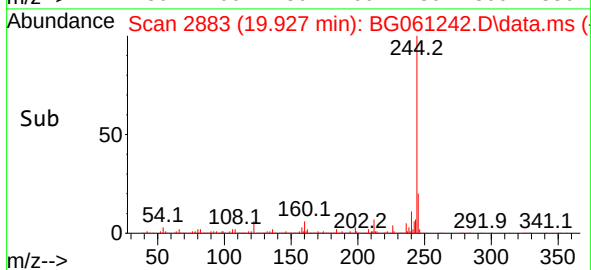
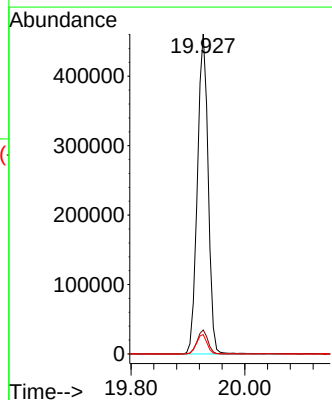
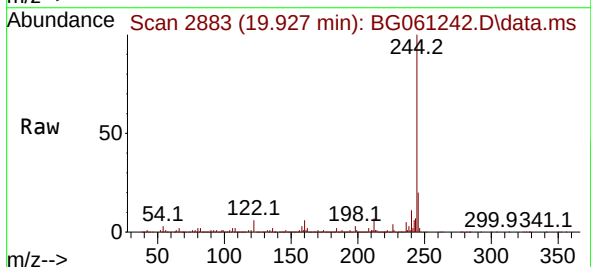
Instrument :
 BNA_G
 ClientSampleId :
 RT-3463

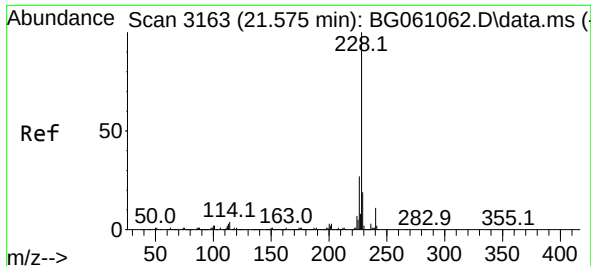
Tgt Ion:202 Resp: 106571
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.2 24.4
 203 17.8 13.3 19.9



#79
 Terphenyl-d14
 Concen: 55.961 ng
 RT: 19.927 min Scan# 2883
 Delta R.T. -0.026 min
 Lab File: BG061242.D
 Acq: 17 May 2024 17:14

Tgt Ion:244 Resp: 608095
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.7 8.5
 122 6.1 4.2 6.2

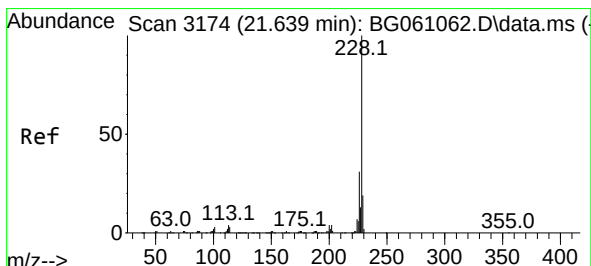
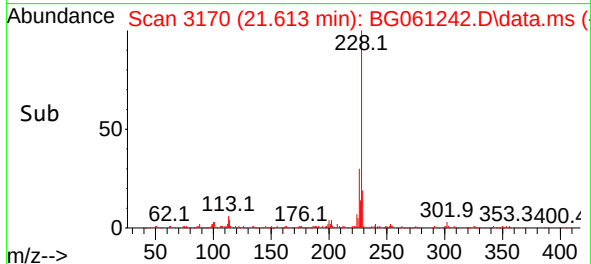
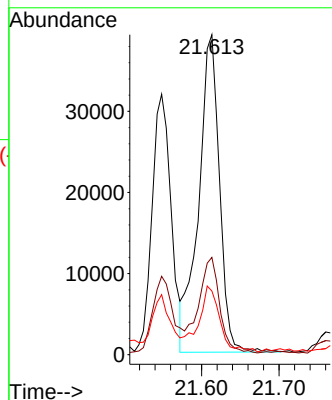
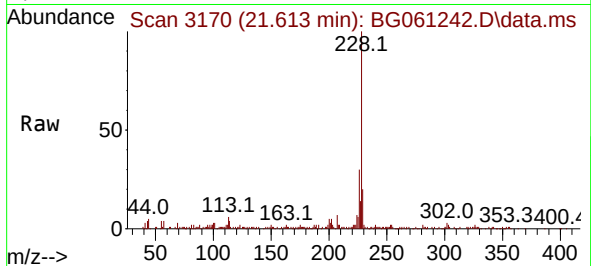




#81
Benzo(a)anthracene
Concen: 6.198 ng
RT: 21.613 min Scan# 3163
Delta R.T. 0.038 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

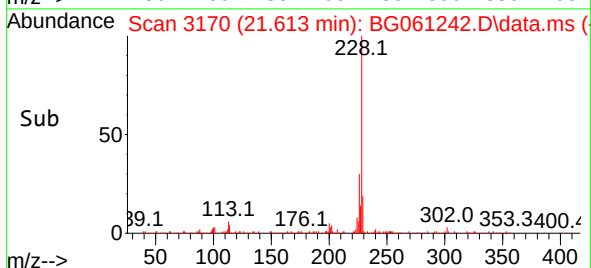
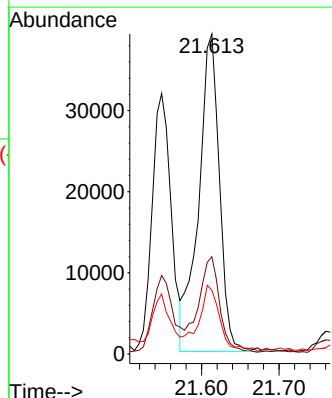
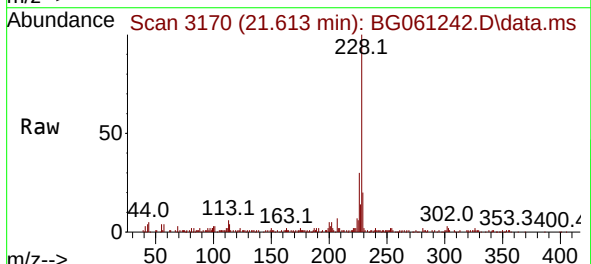
Instrument :
BNA_G
ClientSampleId :
RT-3463

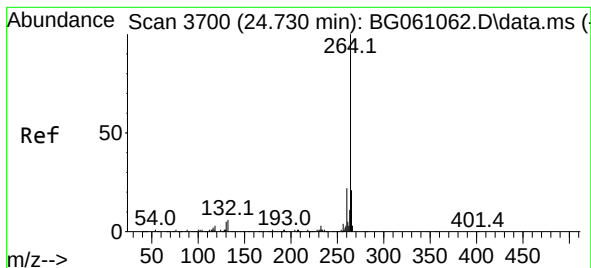
Tgt Ion:228 Resp: 73293
Ion Ratio Lower Upper
228 100
226 30.4 21.6 32.4
229 19.9 15.0 22.4



#83
Chrysene
Concen: 6.615 ng
RT: 21.613 min Scan# 3170
Delta R.T. -0.026 min
Lab File: BG061242.D
Acq: 17 May 2024 17:14

Tgt Ion:228 Resp: 73293
Ion Ratio Lower Upper
228 100
226 30.4 24.4 36.6
229 19.9 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.692 min Scan# 3

Delta R.T. -0.038 min

Lab File: BG061242.D

Acq: 17 May 2024 17:14

Instrument :

BNA_G

ClientSampleId :

RT-3463

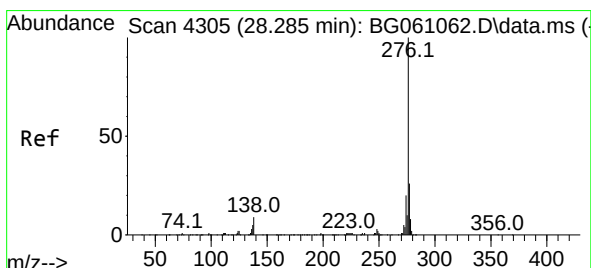
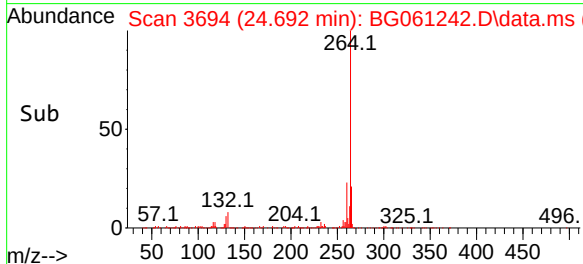
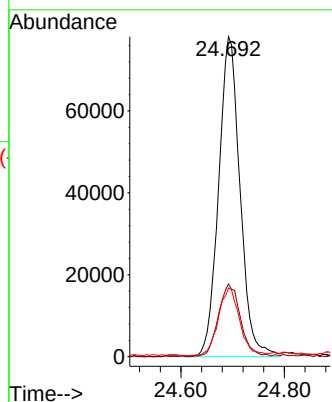
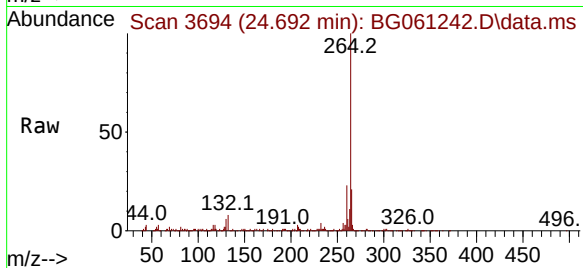
Tgt Ion:264 Resp: 224612

Ion Ratio Lower Upper

264 100

260 22.7 17.7 26.5

265 21.5 16.4 24.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.322 ng

RT: 28.247 min Scan# 4299

Delta R.T. -0.038 min

Lab File: BG061242.D

Acq: 17 May 2024 17:14

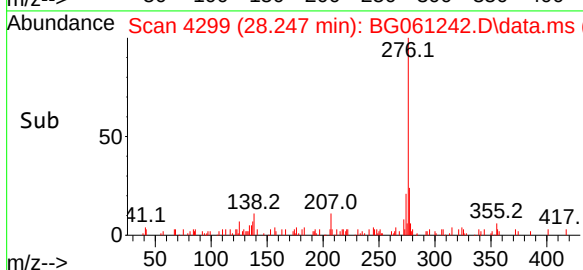
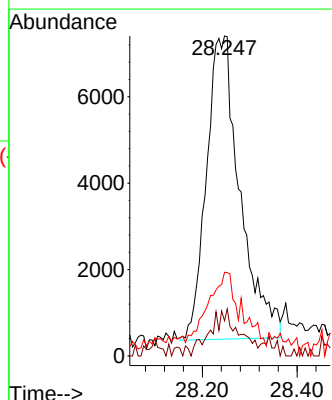
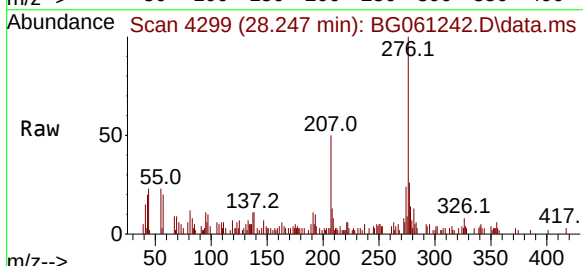
Tgt Ion:276 Resp: 34557

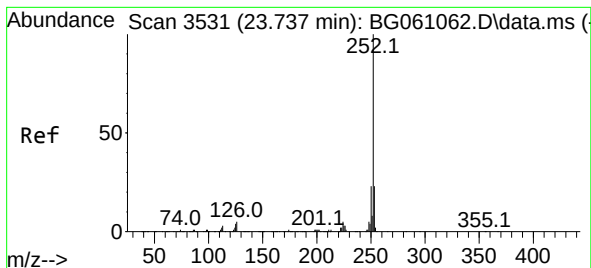
Ion Ratio Lower Upper

276 100

138 8.7 5.1 7.7#

277 23.9 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 8.490 ng

RT: 23.711 min Scan# 3527

Delta R.T. -0.026 min

Lab File: BG061242.D

Acq: 17 May 2024 17:14

Instrument :

BNA_G

ClientSampleId :

RT-3463

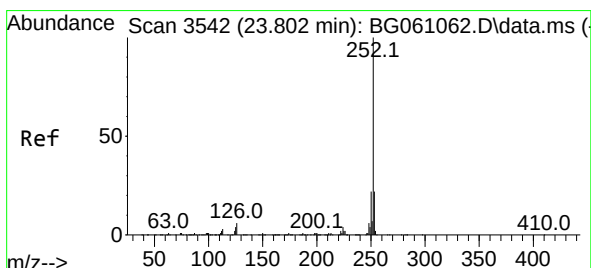
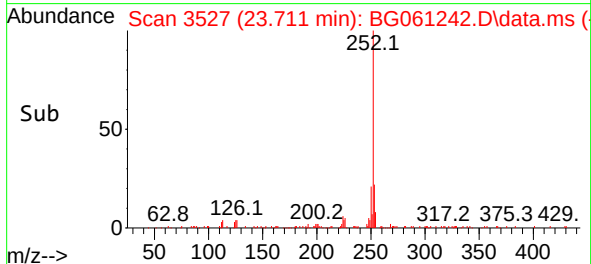
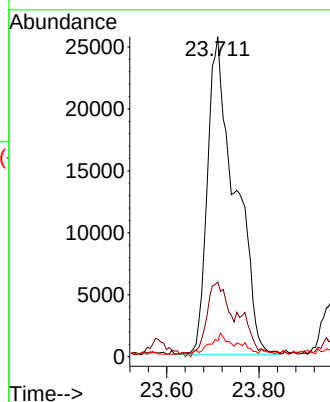
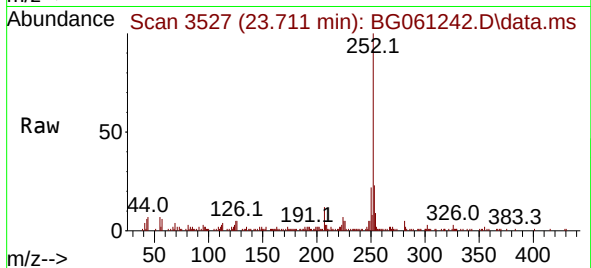
Tgt Ion:252 Resp: 106560

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.2

125 5.0 3.4 5.0



#89

Benzo(k)fluoranthene

Concen: 8.825 ng

RT: 23.711 min Scan# 3527

Delta R.T. -0.091 min

Lab File: BG061242.D

Acq: 17 May 2024 17:14

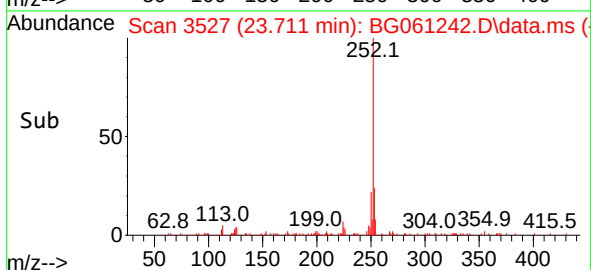
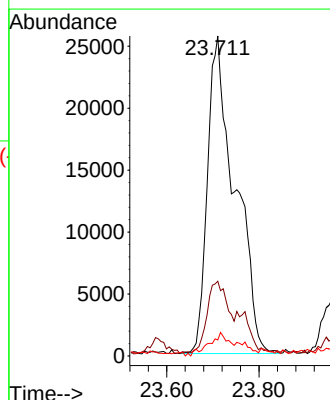
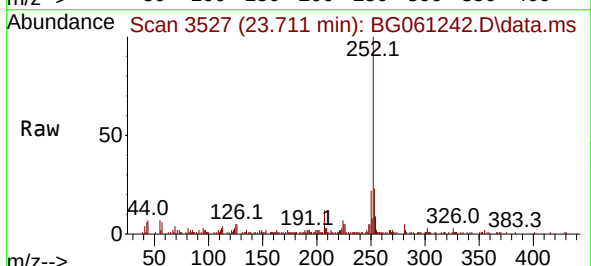
Tgt Ion:252 Resp: 106560

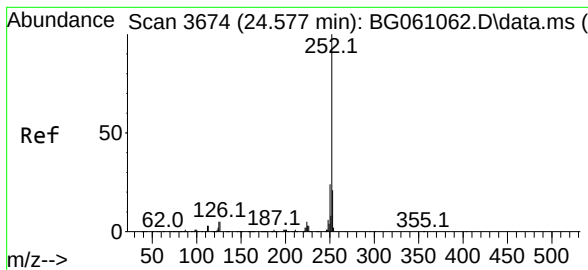
Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

125 5.0 3.2 4.8#





#90

Benzo(a)pyrene

Concen: 5.310 ng

RT: 24.545 min Scan# 30

Delta R.T. -0.032 min

Lab File: BG061242.D

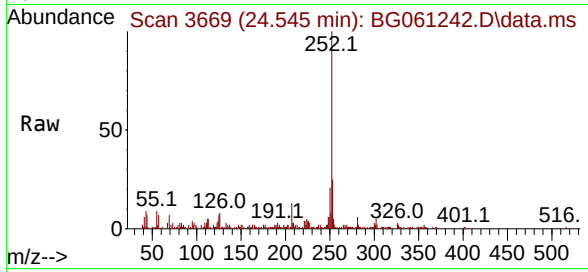
Acq: 17 May 2024 17:14

Instrument :

BNA_G

ClientSampleId :

RT-3463



Tgt Ion:252 Resp: 58065

Ion Ratio Lower Upper

252 100

253 24.7 16.9 25.3

125 7.2 3.8 5.8#

