

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050624\
 Data File : BG061122.D
 Acq On : 6 May 2024 16:08
 Operator : MA/JU
 Sample : P2390-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 BG-3

Quant Time: May 06 16:44:17 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)

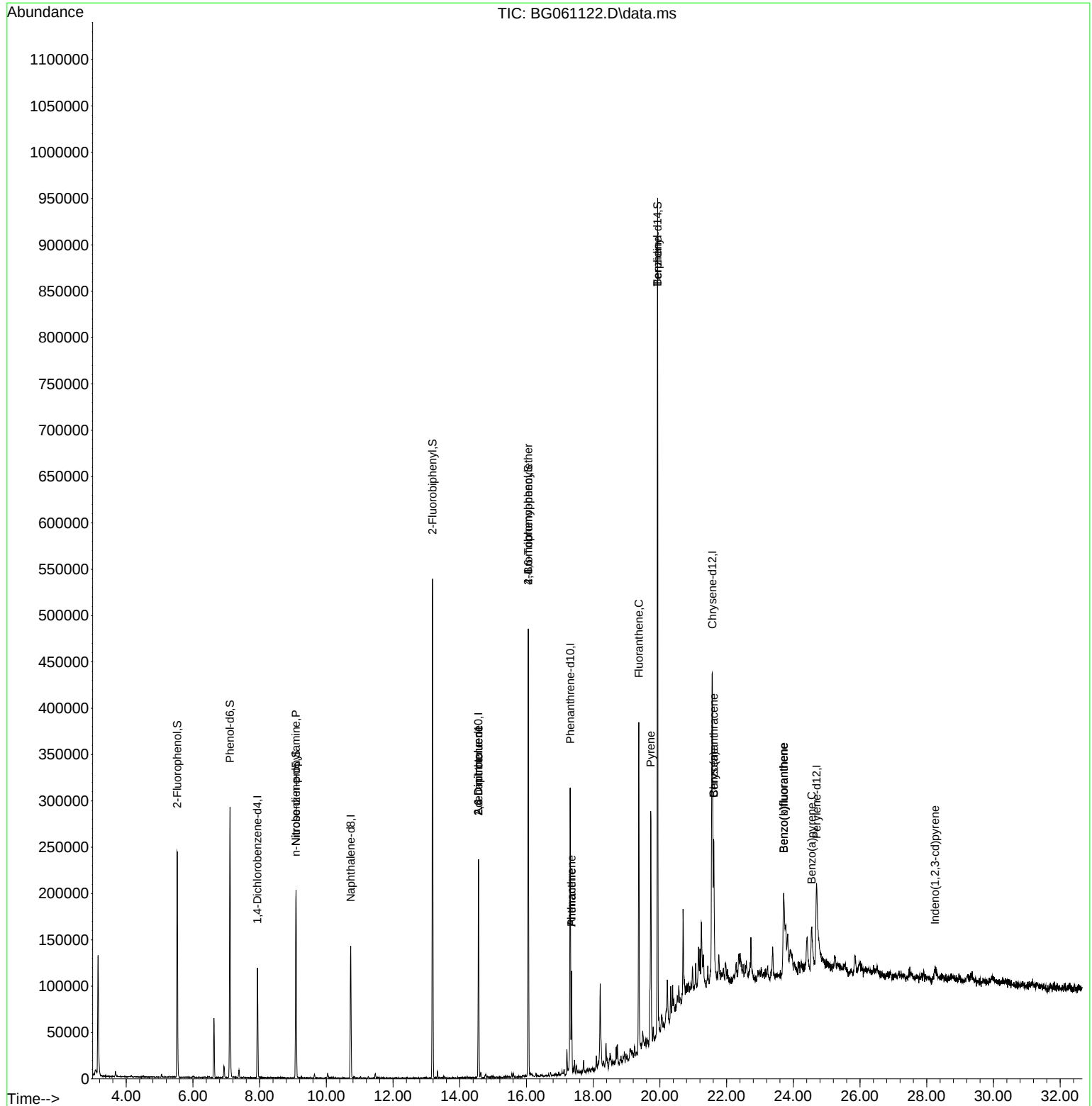
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	29948	20.000	ng	-0.03
21) Naphthalene-d8	10.731	136	115914	20.000	ng	-0.03
39) Acenaphthene-d10	14.562	164	87297	20.000	ng	-0.03
64) Phenanthrene-d10	17.311	188	195177	20.000	ng	-0.02
76) Chrysene-d12	21.571	240	190171	20.000	ng	-0.02
86) Perylene-d12	24.697	264	145585	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	90334	61.345	ng	-0.02
7) Phenol-d6	7.112	99	134657	61.815	ng	-0.02
23) Nitrobenzene-d5	9.092	82	101521	43.417	ng	-0.03
42) 2,4,6-Tribromophenol	16.054	330	107502	61.609	ng	-0.02
45) 2-Fluorobiphenyl	13.187	172	277718	47.042	ng	-0.02
79) Terphenyl-d14	19.932	244	461234	40.337	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	7.118	77	399	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	9.086	70	15425	9.462	ng	# 65
51) 2,6-Dinitrotoluene	14.562	165	10835	7.513	ng	# 15
57) 2,4-Dinitrotoluene	14.562	165	10835	5.078	ng	# 17
67) 4-Bromophenyl-phenylether	16.054	248	6451	2.806	ng	# 1
71) Phenanthrene	17.353	178	65924	7.387	ng	99
72) Anthracene	17.353	178	65924	7.403	ng	100
75) Fluoranthene	19.368	202	222013	18.159	ng	99
77) Benzidine	19.932	184	7974	4.871	ng	# 89
78) Pyrene	19.726	202	180811	14.955	ng	98
81) Benzo(a)anthracene	21.618	228	129121	10.376	ng	97
83) Chrysene	21.618	228	129121	11.075	ng	97
87) Indeno(1,2,3-cd)pyrene	28.246	276	27736	2.875	ng	# 78
88) Benzo(b)fluoranthene	23.716	252	121867	14.980	ng	98
89) Benzo(k)fluoranthene	23.716	252	121867	15.571	ng	# 96
90) Benzo(a)pyrene	24.550	252	61739	8.711	ng	# 92

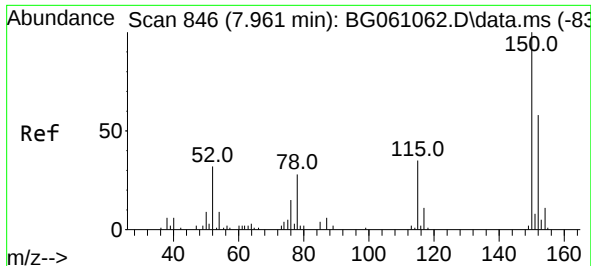
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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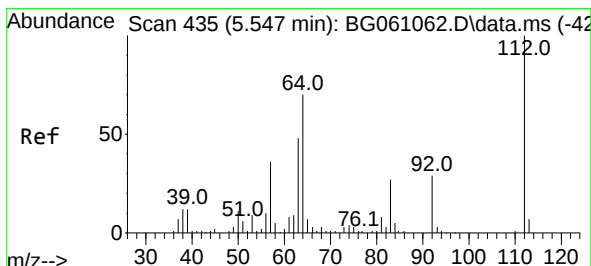
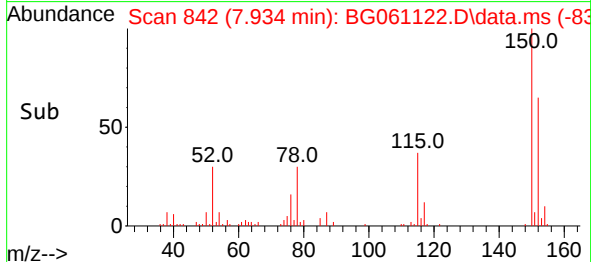
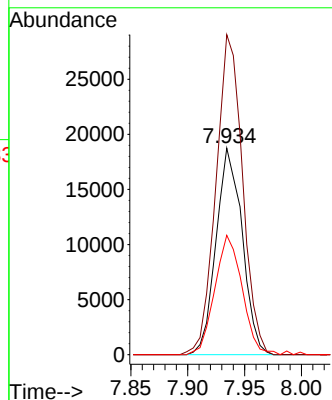
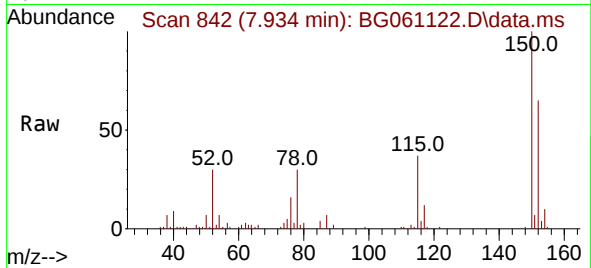




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 84
Delta R.T. -0.027 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

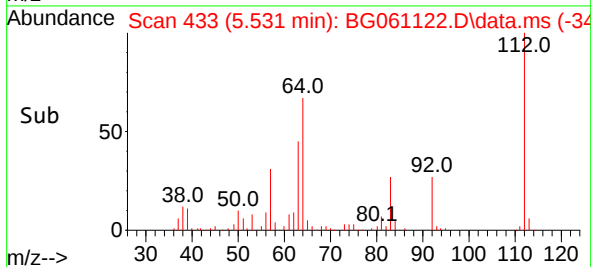
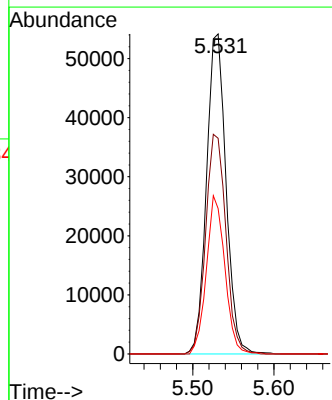
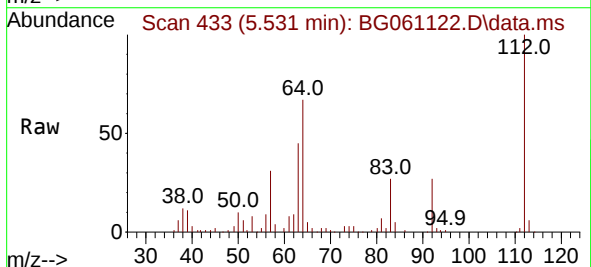
Instrument :
BNA_G
ClientSampleId :
BG-3

Tgt Ion:152 Resp: 29948
Ion Ratio Lower Upper
152 100
150 155.0 138.3 207.5
115 57.8 48.0 72.0



#5
2-Fluorophenol
Concen: 61.345 ng
RT: 5.531 min Scan# 433
Delta R.T. -0.015 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

Tgt Ion:112 Resp: 90334
Ion Ratio Lower Upper
112 100
64 67.4 55.7 83.5
63 45.4 38.1 57.1

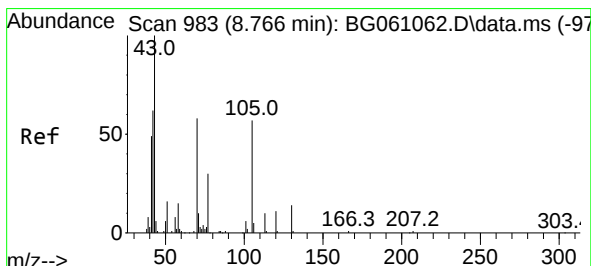
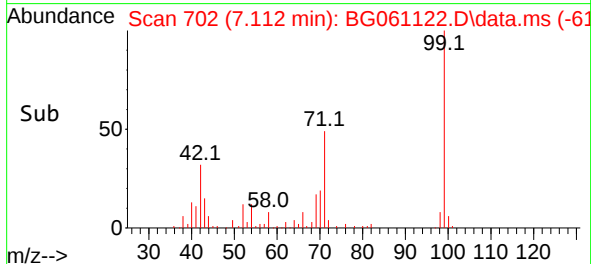
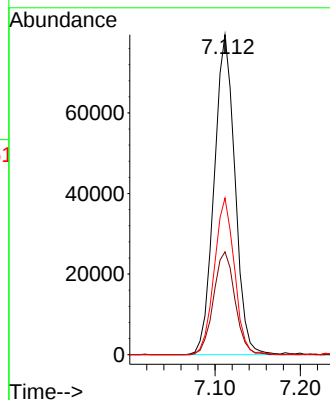
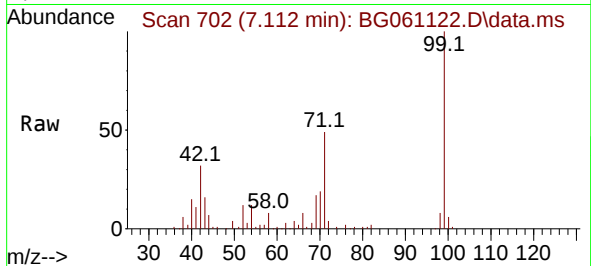




#7
Phenol-d6
Concen: 61.815 ng
RT: 7.112 min Scan# 705
Delta R.T. -0.021 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

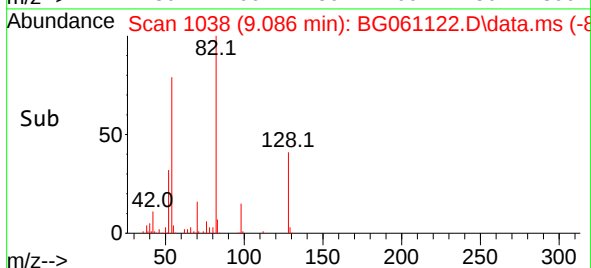
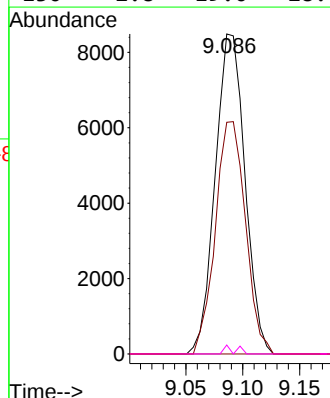
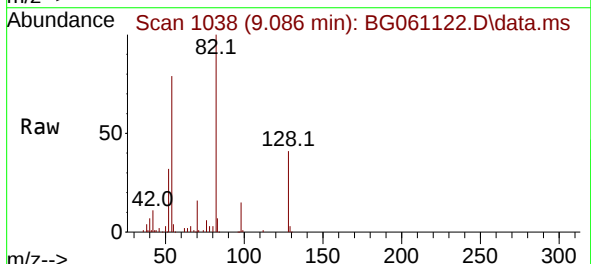
Instrument :
BNA_G
ClientSampleId :
BG-3

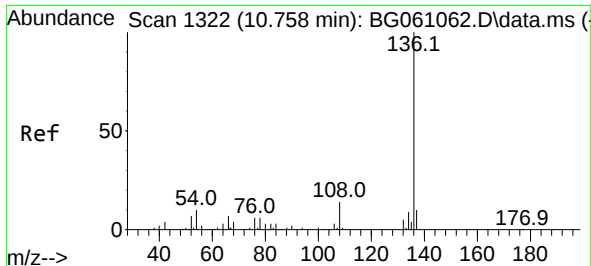
Tgt Ion: 99 Resp: 134657
Ion Ratio Lower Upper
99 100
42 32.1 29.2 43.8
71 49.0 39.7 59.5



#19
n-Nitroso-di-n-propylamine
Concen: 9.462 ng
RT: 9.086 min Scan# 1038
Delta R.T. 0.320 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

Tgt Ion: 70 Resp: 15425
Ion Ratio Lower Upper
70 100
42 72.4 86.4 129.6#
101 0.0 7.8 11.8#
130 2.8 19.0 28.4#

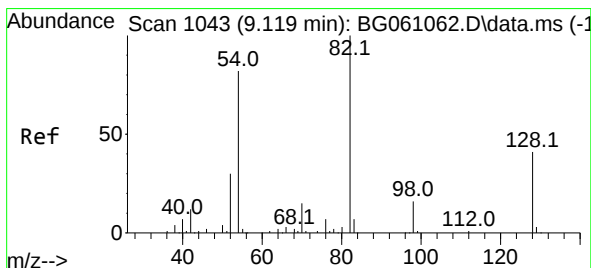
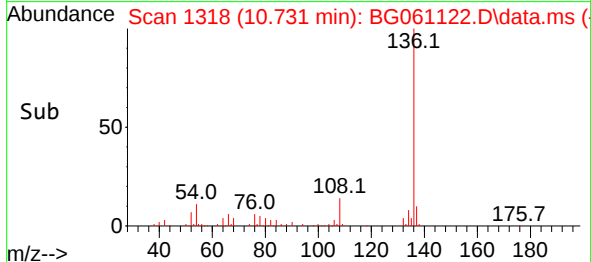
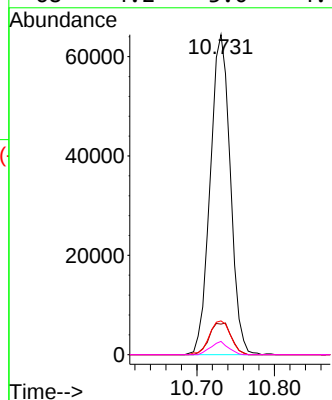
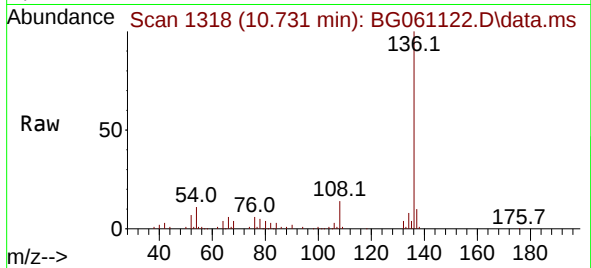




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.731 min Scan# 11
Delta R.T. -0.027 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

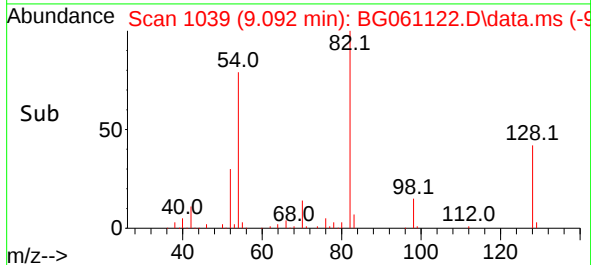
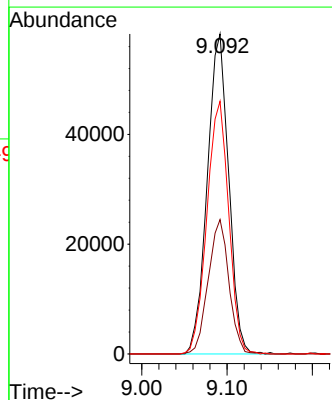
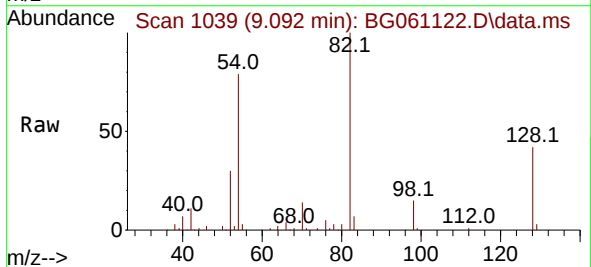
Instrument :
BNA_G
ClientSampleId :
BG-3

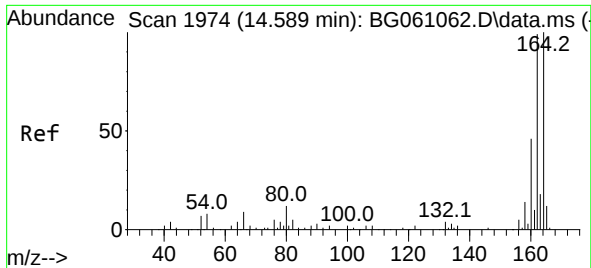
Tgt Ion:	136	Resp:	115914
Ion	Ratio	Lower	Upper
136	100		
137	9.5	7.8	11.6
54	10.6	8.1	12.1
68	4.2	3.0	4.4



#23
Nitrobenzene-d5
Concen: 43.417 ng
RT: 9.092 min Scan# 1039
Delta R.T. -0.027 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

Tgt Ion:	82	Resp:	101521
Ion	Ratio	Lower	Upper
82	100		
128	42.0	32.7	49.1
54	78.9	65.6	98.4

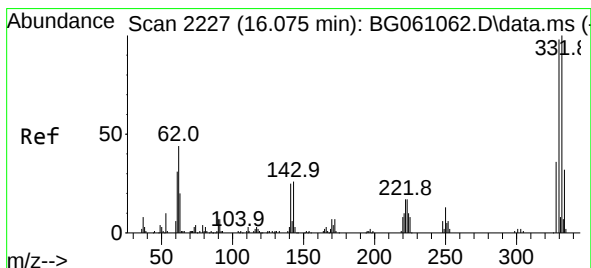
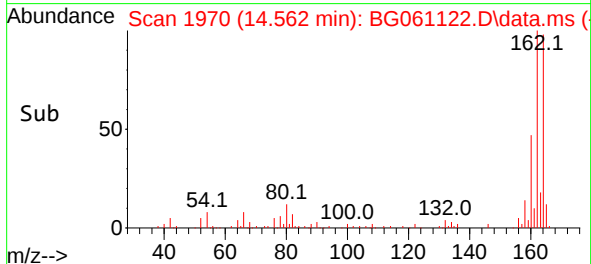
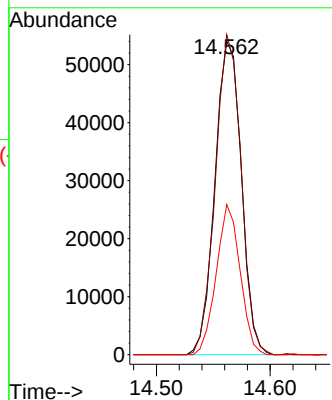
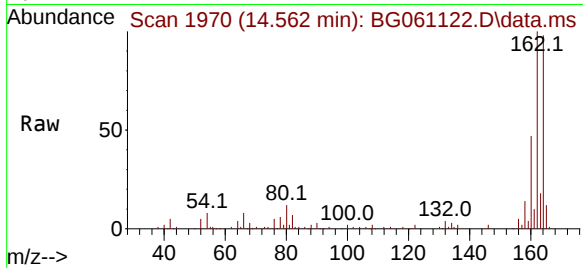




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1970
Delta R.T. -0.027 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

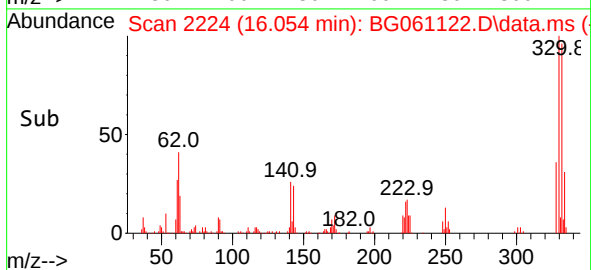
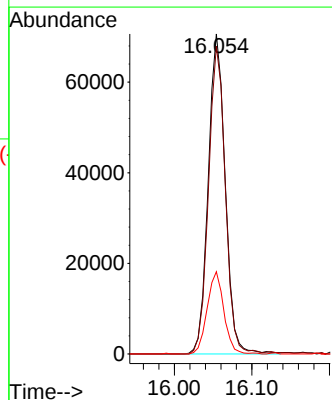
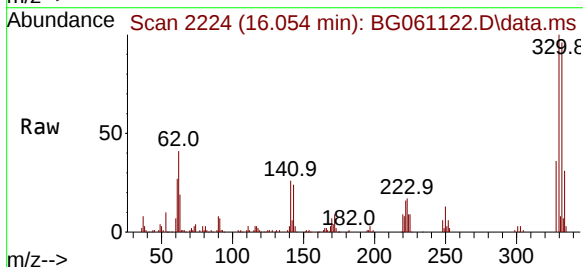
Instrument :
BNA_G
ClientSampleId :
BG-3

Tgt Ion:164 Resp: 87297
Ion Ratio Lower Upper
164 100
162 102.1 79.4 119.2
160 47.9 37.0 55.6



#42
2,4,6-Tribromophenol
Concen: 61.609 ng
RT: 16.054 min Scan# 2224
Delta R.T. -0.021 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

Tgt Ion:330 Resp: 107502
Ion Ratio Lower Upper
330 100
332 95.0 78.6 117.8
141 25.3 20.5 30.7

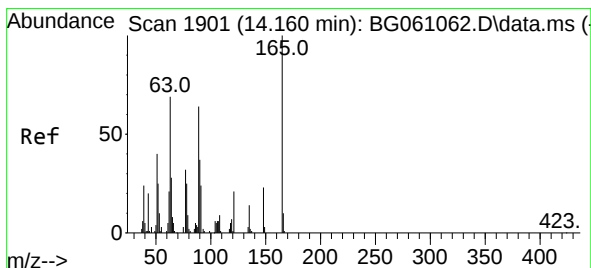
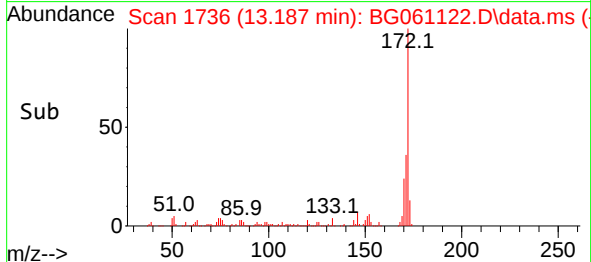
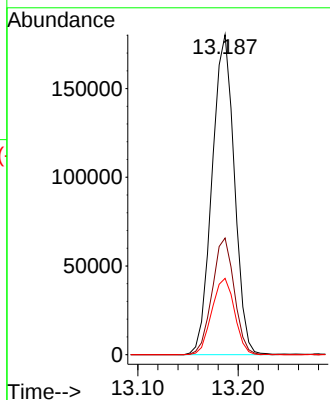
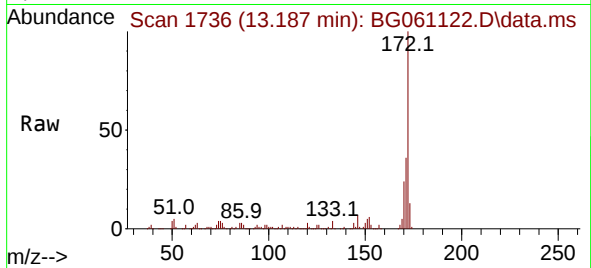




#45
2-Fluorobiphenyl
Concen: 47.042 ng
RT: 13.187 min Scan# 1
Delta R.T. -0.021 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

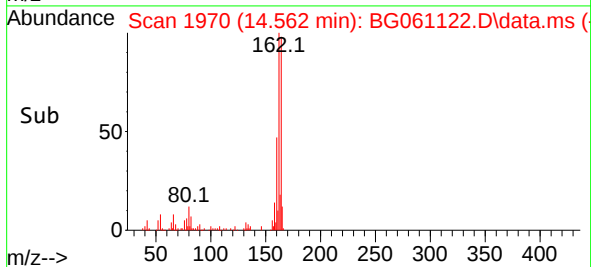
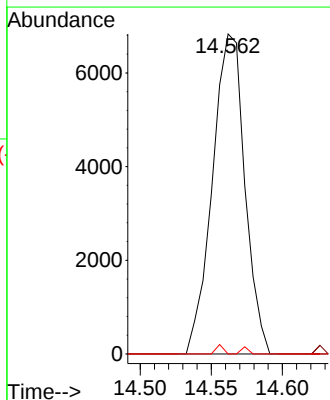
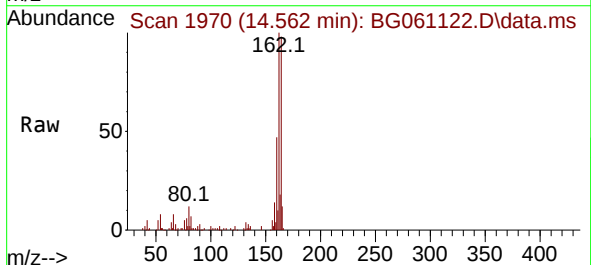
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BNA_G
ClientSampleId :
BG-3

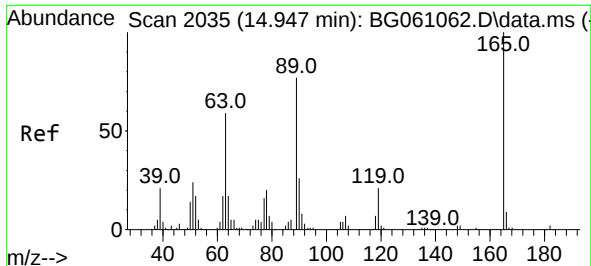
Tgt Ion:172 Resp: 277718
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 23.9 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 7.513 ng
RT: 14.562 min Scan# 1970
Delta R.T. 0.402 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

Tgt Ion:165 Resp: 10835
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 0.0 50.9 76.3#





#57

2,4-Dinitrotoluene

Concen: 5.078 ng

RT: 14.562 min Scan# 14

Delta R.T. -0.386 min

Lab File: BG061122.D

Acq: 6 May 2024 16:08

Instrument :

BNA_G

ClientSampleId :

BG-3

Tgt Ion:165 Resp: 10835

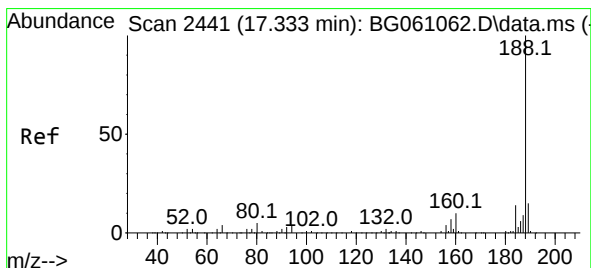
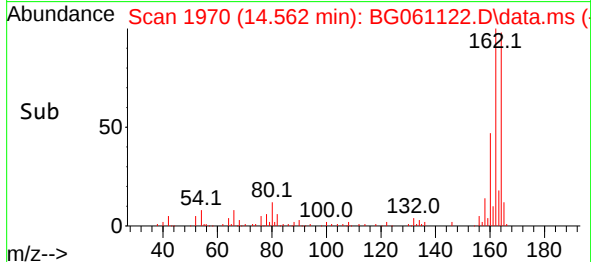
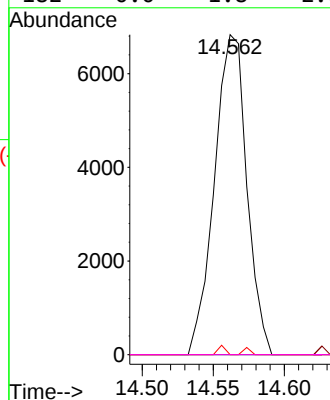
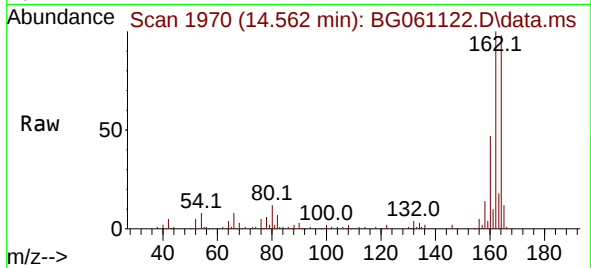
Ion Ratio Lower Upper

165 100

63 0.0 47.3 70.9#

89 0.0 61.8 92.8#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.311 min Scan# 2438

Delta R.T. -0.021 min

Lab File: BG061122.D

Acq: 6 May 2024 16:08

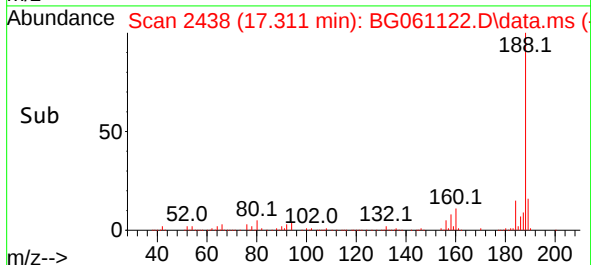
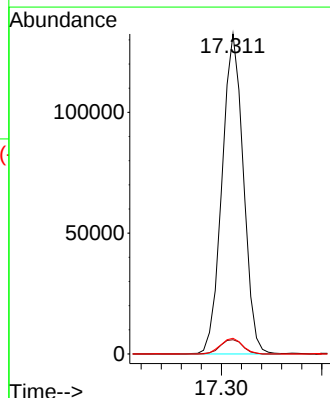
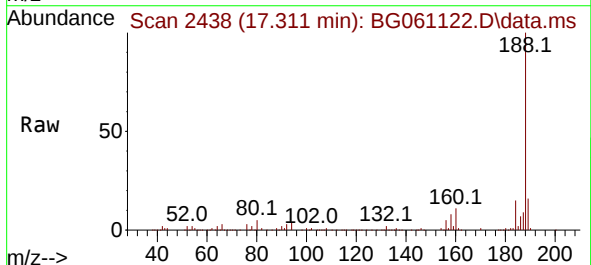
Tgt Ion:188 Resp: 195177

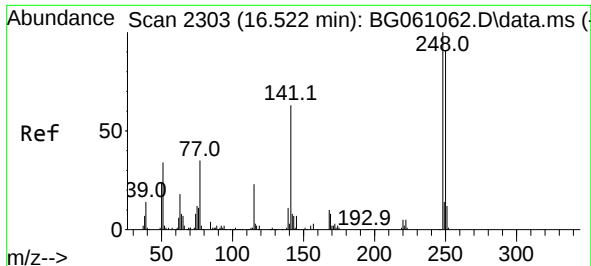
Ion Ratio Lower Upper

188 100

94 4.4 3.6 5.4

80 4.9 4.2 6.2

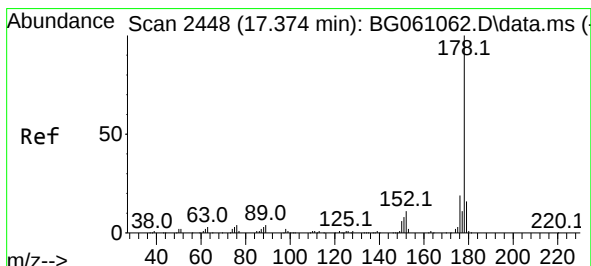
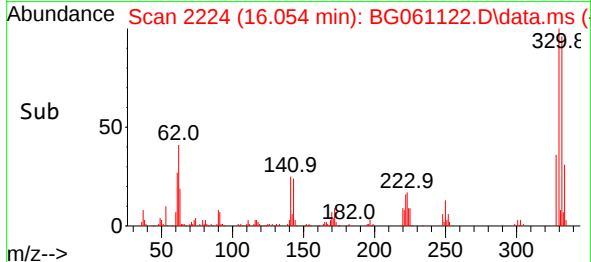
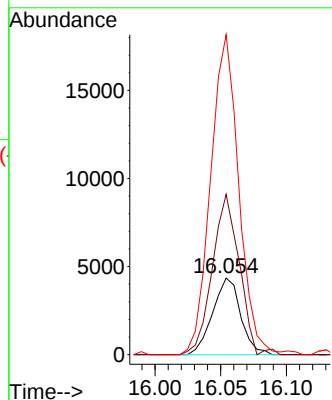
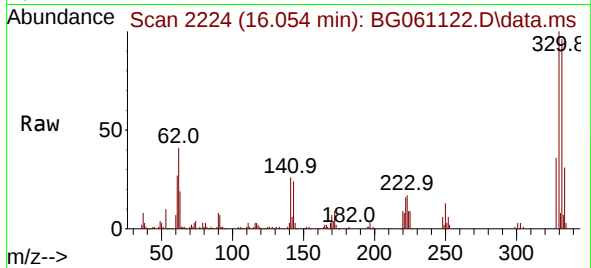




#67
4-Bromophenyl-phenylether
Concen: 2.806 ng
RT: 16.054 min Scan# 21
Delta R.T. -0.468 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

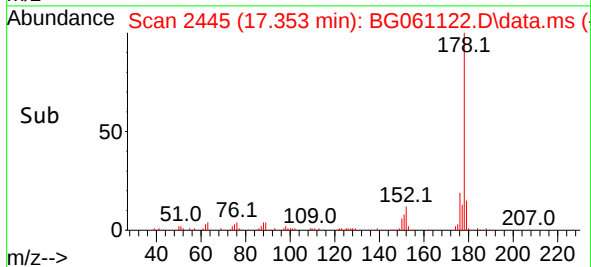
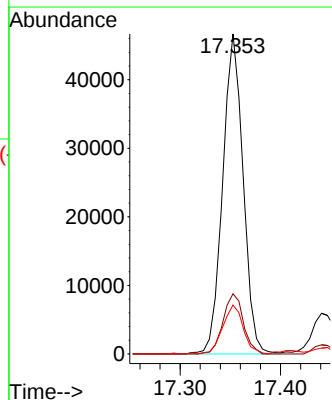
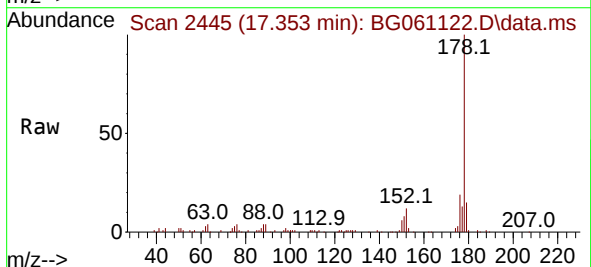
Instrument :
BNA_G
ClientSampleId :
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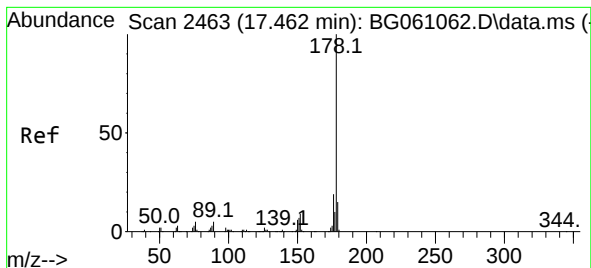
Tgt Ion:248 Resp: 6451
Ion Ratio Lower Upper
248 100
250 209.0 73.0 109.4#
141 417.3 50.8 76.2#



#71
Phenanthrene
Concen: 7.387 ng
RT: 17.353 min Scan# 2445
Delta R.T. -0.021 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

Tgt Ion:178 Resp: 65924
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.3 12.6 19.0





#72

Anthracene

Concen: 7.403 ng

RT: 17.353 min Scan# 24

Delta R.T. -0.109 min

Lab File: BG061122.D

Acq: 6 May 2024 16:08

Instrument :

BNA_G

ClientSampleId :

BG-3

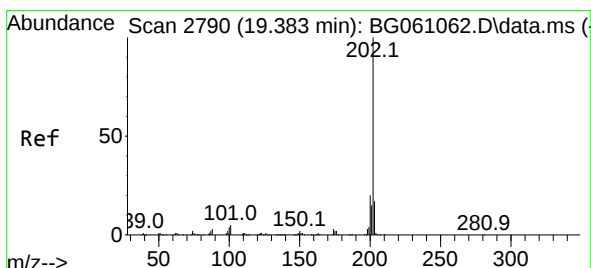
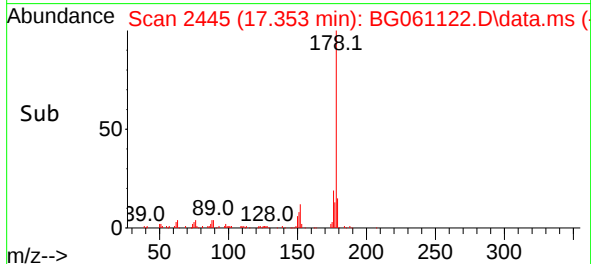
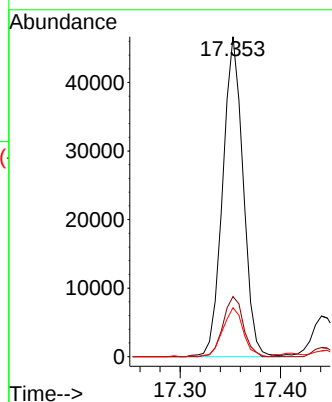
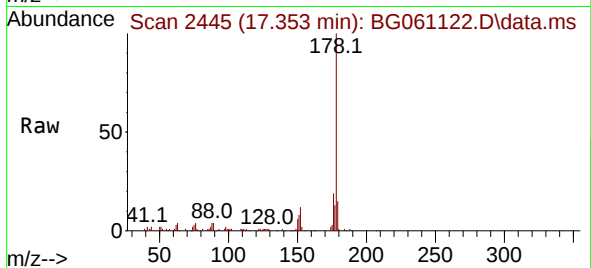
Tgt Ion:178 Resp: 65924

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.6

179 15.3 12.0 18.0



#75

Fluoranthene

Concen: 18.159 ng

RT: 19.368 min Scan# 2788

Delta R.T. -0.015 min

Lab File: BG061122.D

Acq: 6 May 2024 16:08

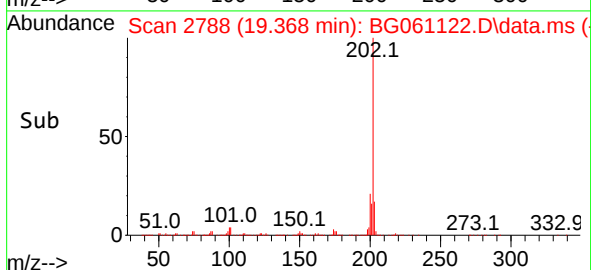
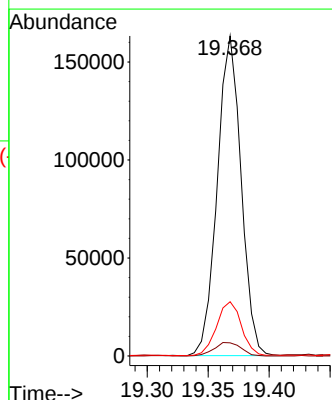
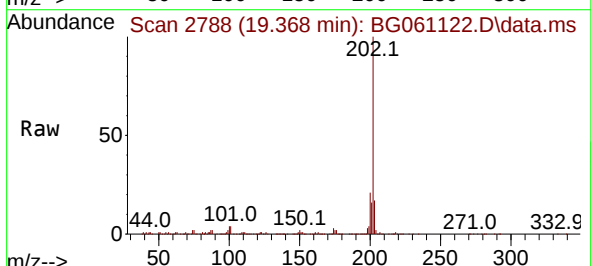
Tgt Ion:202 Resp: 222013

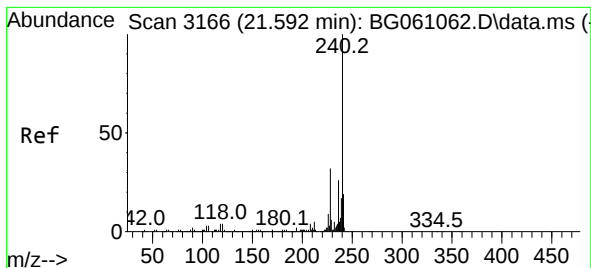
Ion Ratio Lower Upper

202 100

101 4.1 0.0 24.7

203 16.9 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.571 min Scan# 31

Delta R.T. -0.021 min

Lab File: BG061122.D

Acq: 6 May 2024 16:08

Instrument :

BNA_G

ClientSampleId :

BG-3

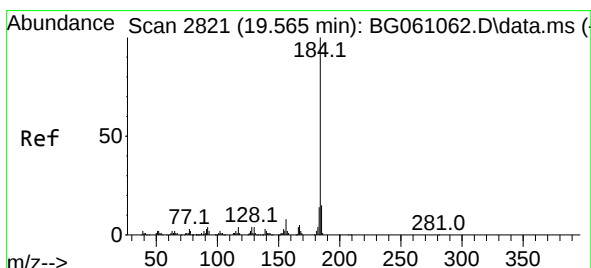
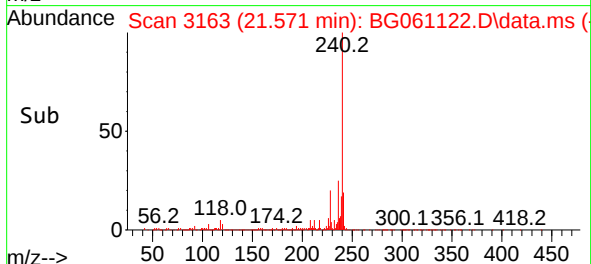
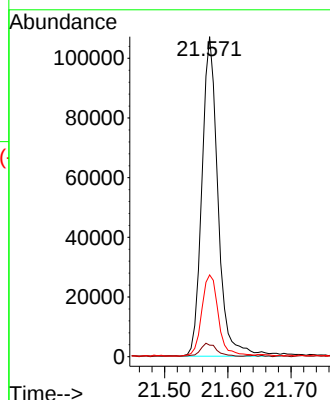
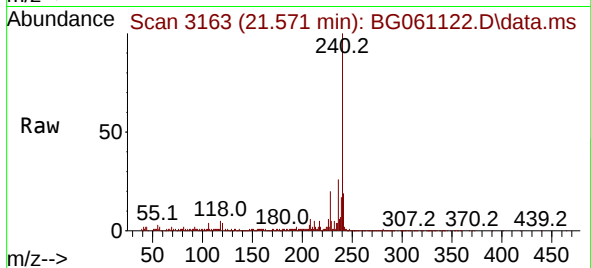
Tgt Ion:240 Resp: 190171

Ion Ratio Lower Upper

240 100

120 3.6 3.2 4.8

236 25.6 21.0 31.6



#77

Benzidine

Concen: 4.871 ng

RT: 19.932 min Scan# 2884

Delta R.T. 0.367 min

Lab File: BG061122.D

Acq: 6 May 2024 16:08

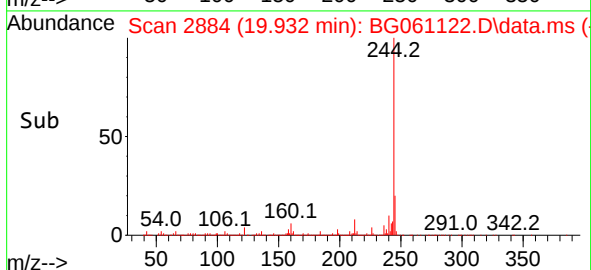
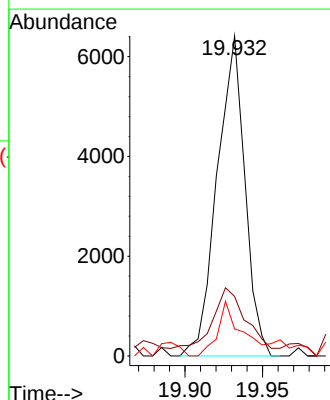
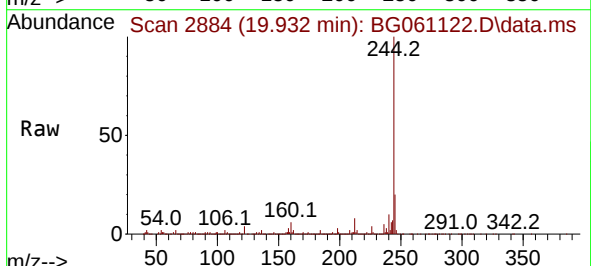
Tgt Ion:184 Resp: 7974

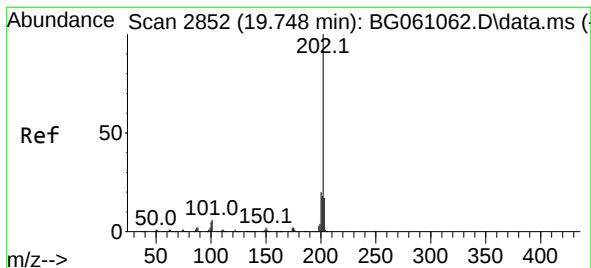
Ion Ratio Lower Upper

184 100

185 18.6 12.0 18.0#

183 8.5 10.9 16.3#





#78

Pyrene

Concen: 14.955 ng

RT: 19.726 min Scan# 21

Delta R.T. -0.021 min

Lab File: BG061122.D

Acq: 6 May 2024 16:08

Instrument :

BNA_G

ClientSampleId :

BG-3

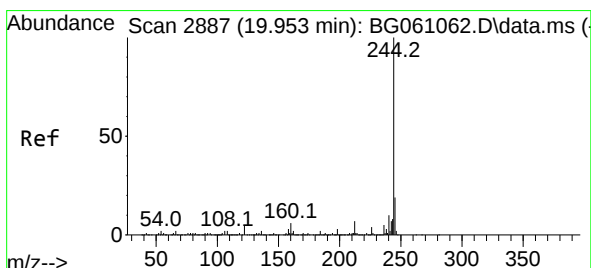
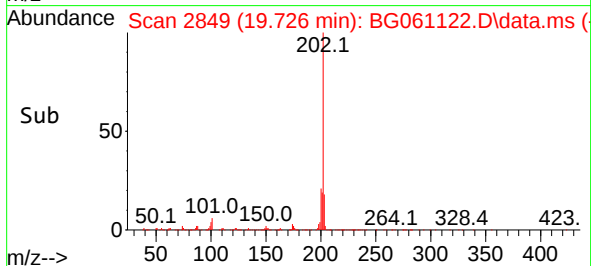
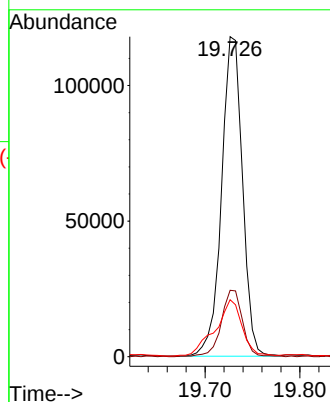
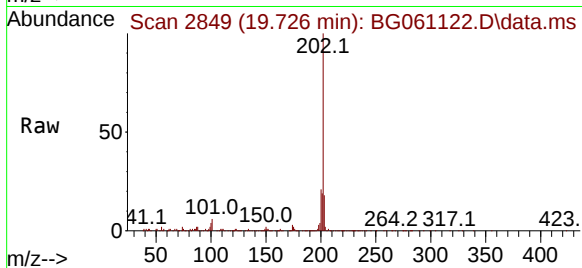
Tgt Ion:202 Resp: 180811

Ion Ratio Lower Upper

202 100

200 20.7 16.2 24.4

203 17.8 13.3 19.9



#79

Terphenyl-d14

Concen: 40.337 ng

RT: 19.932 min Scan# 2884

Delta R.T. -0.021 min

Lab File: BG061122.D

Acq: 6 May 2024 16:08

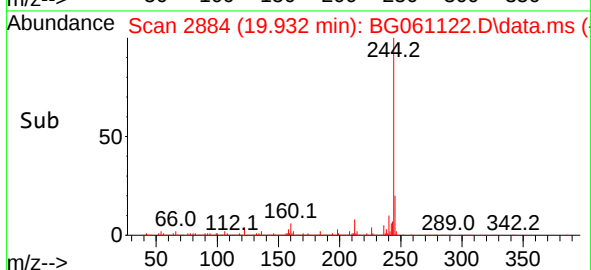
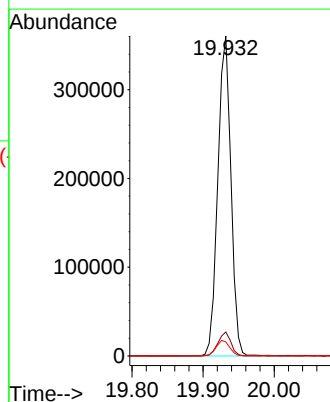
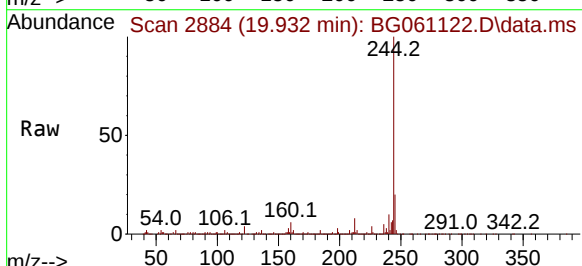
Tgt Ion:244 Resp: 461234

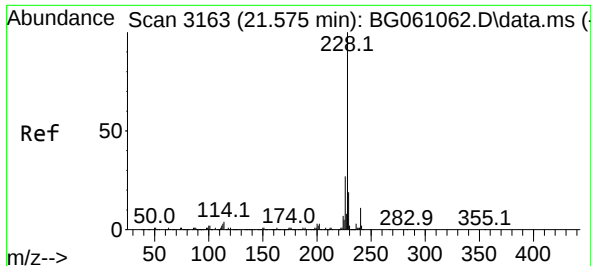
Ion Ratio Lower Upper

244 100

212 7.5 5.7 8.5

122 4.4 4.2 6.2

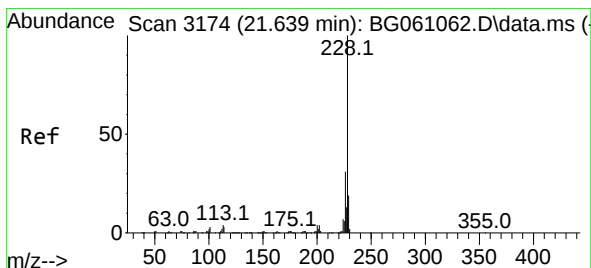
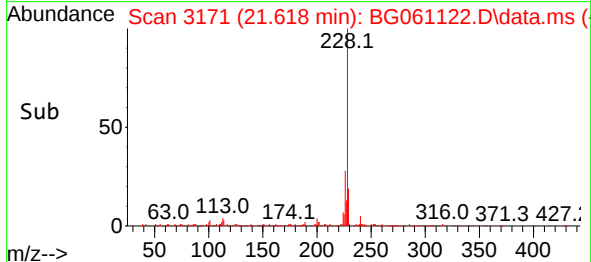
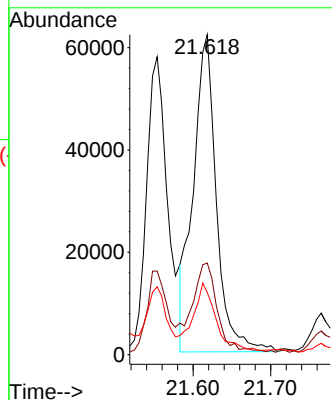
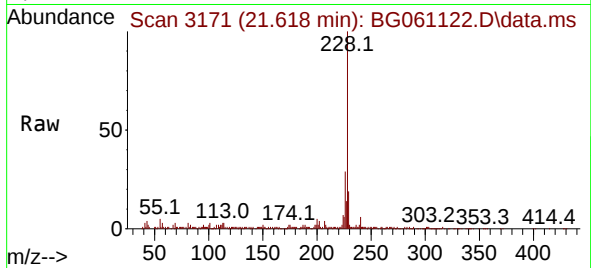




#81
Benzo(a)anthracene
Concen: 10.376 ng
RT: 21.618 min Scan# 3163
Delta R.T. 0.043 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

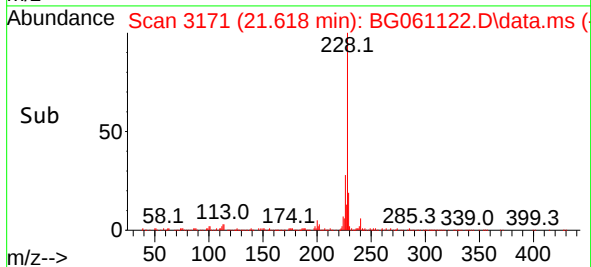
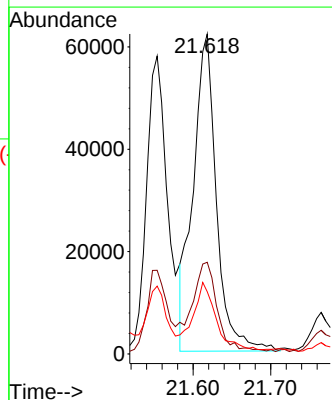
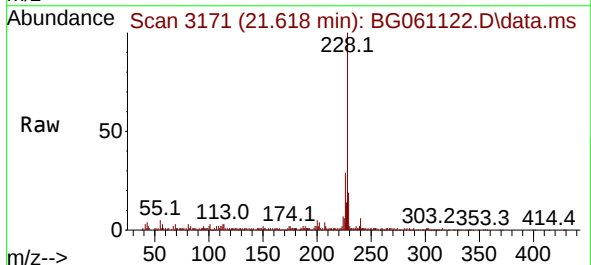
Instrument :
BNA_G
ClientSampleId :
BG-3

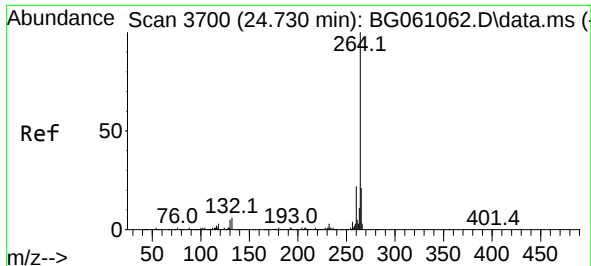
Tgt Ion:228 Resp: 129121
Ion Ratio Lower Upper
228 100
226 28.7 21.6 32.4
229 19.5 15.0 22.4



#83
Chrysene
Concen: 11.075 ng
RT: 21.618 min Scan# 3171
Delta R.T. -0.021 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

Tgt Ion:228 Resp: 129121
Ion Ratio Lower Upper
228 100
226 28.7 24.4 36.6
229 19.5 14.8 22.2

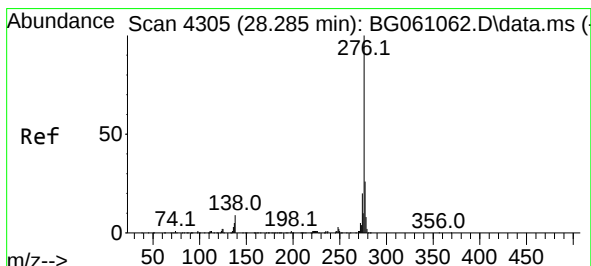
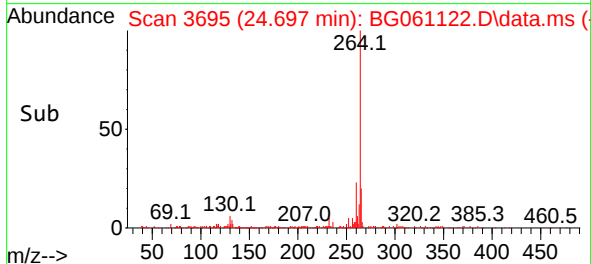
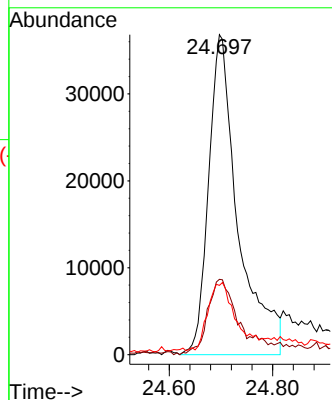
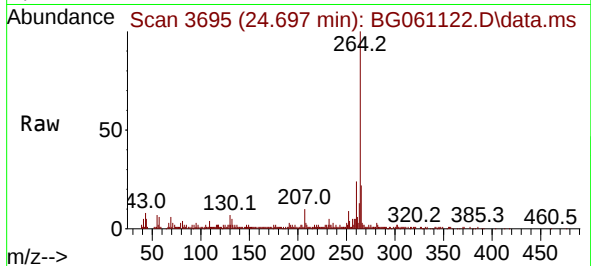




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.697 min Scan# 30
Delta R.T. -0.033 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

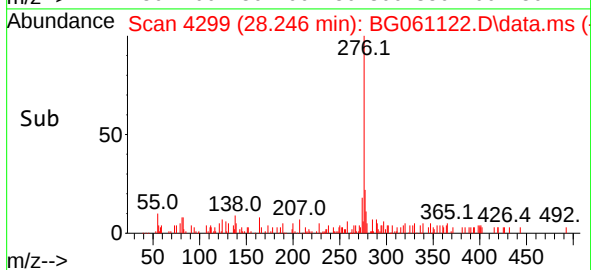
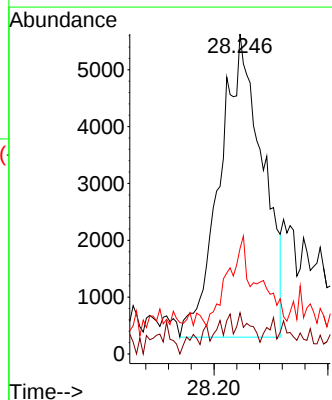
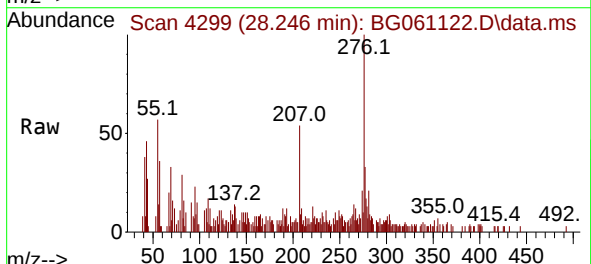
Instrument :
BNA_G
ClientSampleId :
BG-3

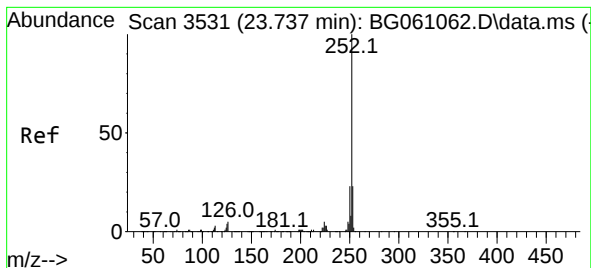
Tgt Ion:264 Resp: 145585
Ion Ratio Lower Upper
264 100
260 23.6 17.7 26.5
265 21.6 16.4 24.6



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.875 ng
RT: 28.246 min Scan# 4299
Delta R.T. -0.039 min
Lab File: BG061122.D
Acq: 6 May 2024 16:08

Tgt Ion:276 Resp: 27736
Ion Ratio Lower Upper
276 100
138 2.4 5.1 7.7#
277 13.3 20.6 30.8#





#88

Benzo(b)fluoranthene

Concen: 14.980 ng

RT: 23.716 min Scan# 3528

Delta R.T. -0.021 min

Lab File: BG061122.D

Acq: 6 May 2024 16:08

Instrument :

BNA_G

ClientSampleId :

BG-3

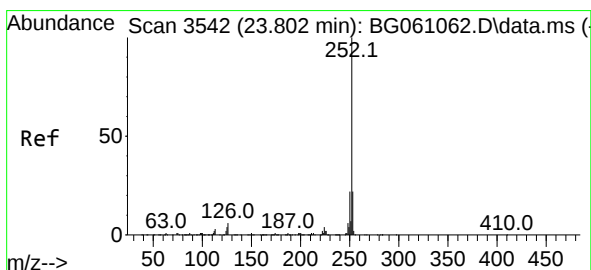
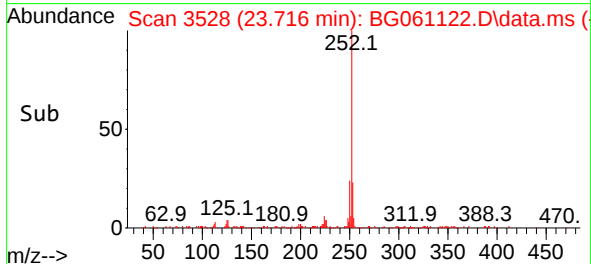
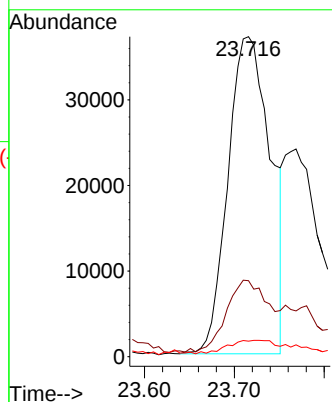
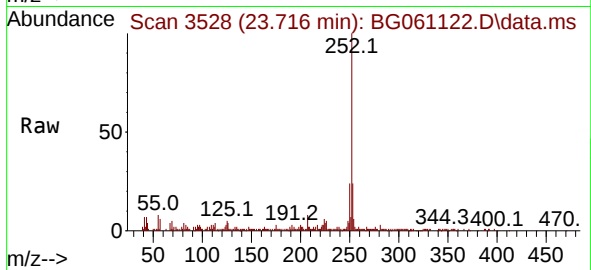
Tgt Ion:252 Resp: 121867

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

125 4.9 3.4 5.0



#89

Benzo(k)fluoranthene

Concen: 15.571 ng

RT: 23.716 min Scan# 3528

Delta R.T. -0.086 min

Lab File: BG061122.D

Acq: 6 May 2024 16:08

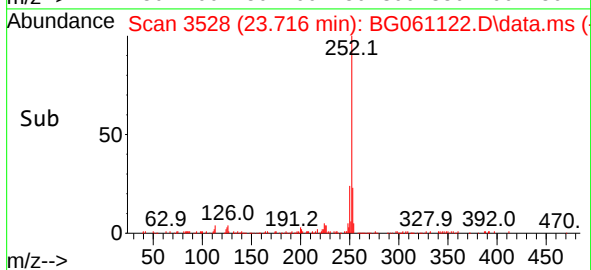
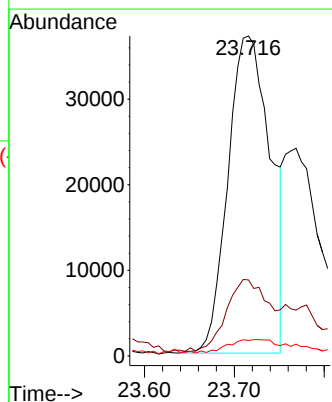
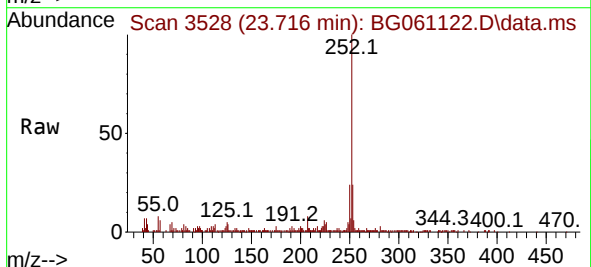
Tgt Ion:252 Resp: 121867

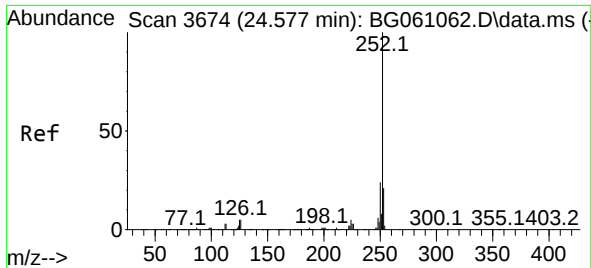
Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

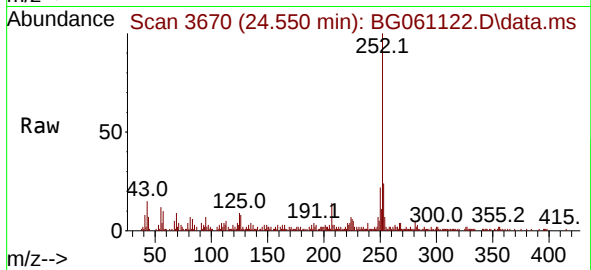
125 4.9 3.2 4.8#





#90
 Benzo(a)pyrene
 Concen: 8.711 ng
 RT: 24.550 min Scan# 30
 Delta R.T. -0.027 min
 Lab File: BG061122.D
 Acq: 6 May 2024 16:08

Instrument :
 BNA_G
 ClientSampleId :
 BG-3



Tgt Ion:252 Resp: 61739
 Ion Ratio Lower Upper
 252 100
 253 24.4 16.9 25.3
 125 8.7 3.8 5.8#

