

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
 Data File : BG061023.D
 Acq On : 24 Apr 2024 13:18
 Operator : MA/JU
 Sample : P2199-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STOCK-PILE

Quant Time: Apr 24 14:18:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 22 04:22:00 2024
 Response via : Initial Calibration

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

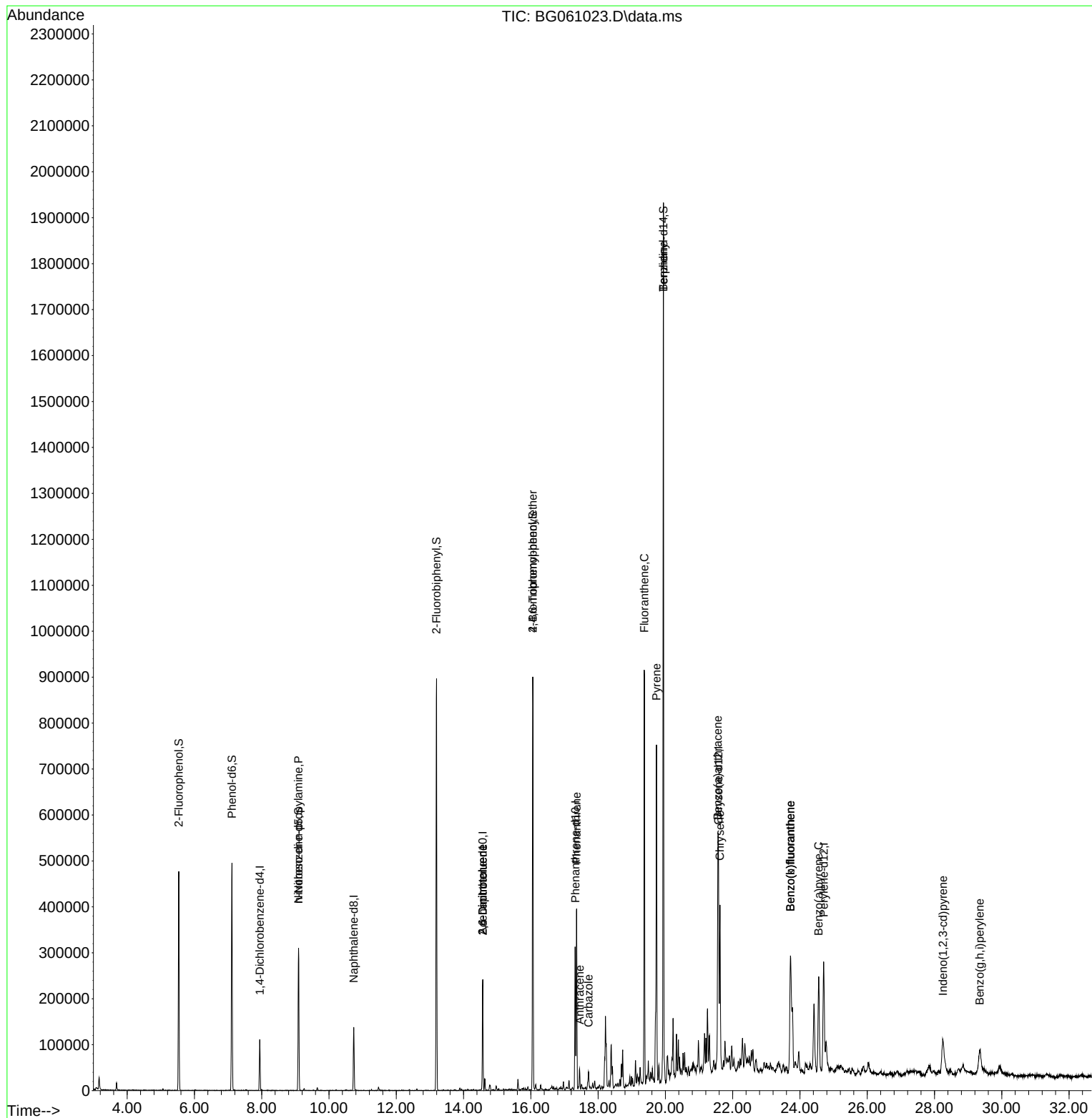
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.944	152	28176	20.000	ng	0.00
21) Naphthalene-d8	10.735	136	109053	20.000	ng	# 0.00
39) Acenaphthene-d10	14.572	164	86809	20.000	ng	0.00
64) Phenanthrene-d10	17.322	188	209457	20.000	ng	0.00
76) Chrysene-d12	21.581	240	222826	20.000	ng	0.00
86) Perylene-d12	24.707	264	279660	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.535	112	168063	120.652	ng	0.00
7) Phenol-d6	7.116	99	220106	106.498	ng	0.00
23) Nitrobenzene-d5	9.096	82	158639	65.358	ng	0.00
42) 2,4,6-Tribromophenol	16.058	330	199376	104.590	ng	0.00
45) 2-Fluorobiphenyl	13.197	172	457211	72.894	ng	0.00
79) Terphenyl-d14	19.942	244	972665	67.757	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.096	70	23521	15.271	ng	# 69
51) 2,6-Dinitrotoluene	14.572	165	10906	7.302	ng	# 16
57) 2,4-Dinitrotoluene	14.572	165	10906	5.070	ng	# 19
67) 4-Bromophenyl-phenylether	16.058	248	12692	4.591	ng	# 1
71) Phenanthrene	17.363	178	255486	23.897	ng	98
72) Anthracene	17.451	178	31011	2.816	ng	97
73) Carbazole	17.715	167	19731	2.158	ng	96
75) Fluoranthene	19.378	202	591103	41.660	ng	97
77) Benzidine	19.942	184	15667	3.795	ng	# 93
78) Pyrene	19.736	202	512383	33.771	ng	97
81) Benzo(a)anthracene	21.558	228	261070	16.665	ng	96
83) Chrysene	21.622	228	274312	18.391	ng	98
87) Indeno(1,2,3-cd)pyrene	28.250	276	158498	8.170	ng	# 73
88) Benzo(b)fluoranthene	23.720	252	350191	22.097	ng	98
89) Benzo(k)fluoranthene	23.720	252	350191	21.889	ng	96
90) Benzo(a)pyrene	24.554	252	251980	16.426	ng	99
92) Benzo(g,h,i)perylene	29.343	276	148761	9.466	ng	93

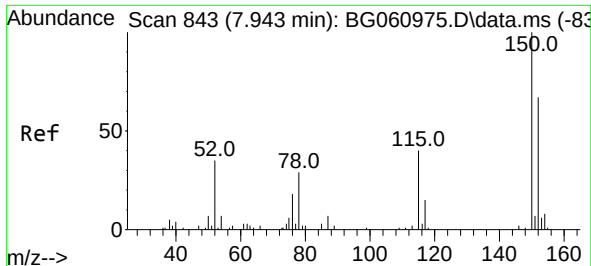
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042424\
Data File : BG061023.D
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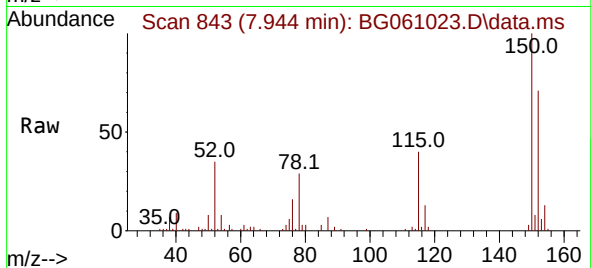
Quant Time: Apr 24 14:18:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 22 04:22:00 2024
Response via : Initial Calibration



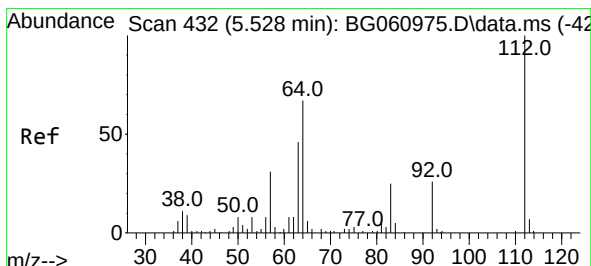
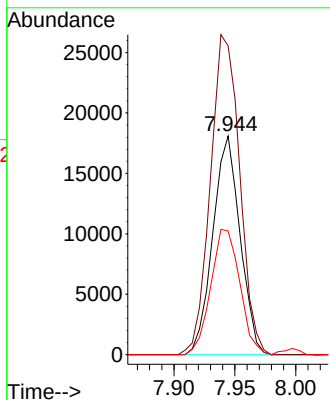
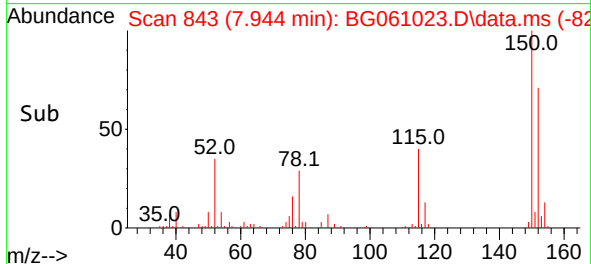


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.944 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

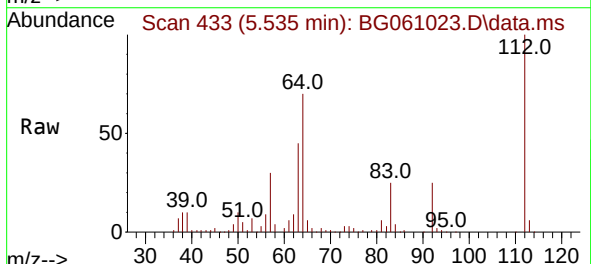
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE



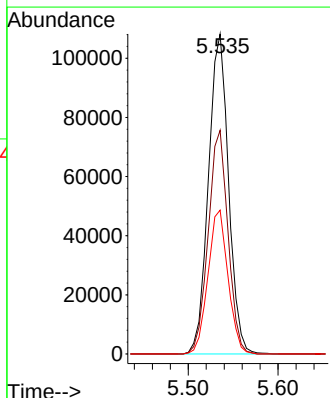
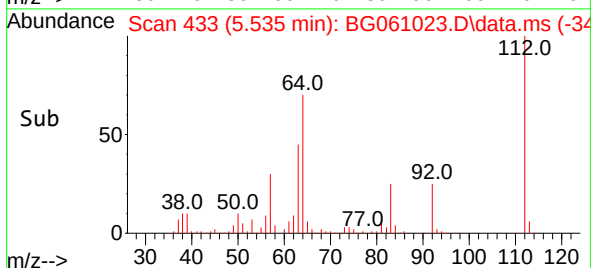
Tgt Ion:152 Resp: 28176
Ion Ratio Lower Upper
152 100
150 141.2 118.6 178.0
115 56.5 47.4 71.0

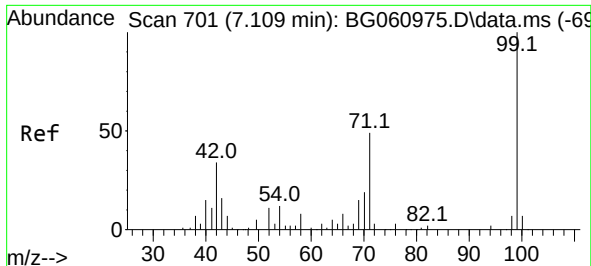


#5
2-Fluorophenol
Concen: 120.652 ng
RT: 5.535 min Scan# 433
Delta R.T. 0.007 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18



Tgt Ion:112 Resp: 168063
Ion Ratio Lower Upper
112 100
64 69.9 53.7 80.5
63 45.0 37.0 55.6

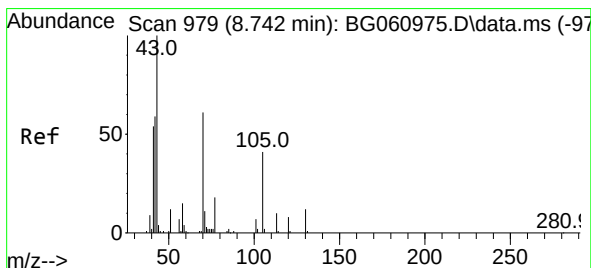
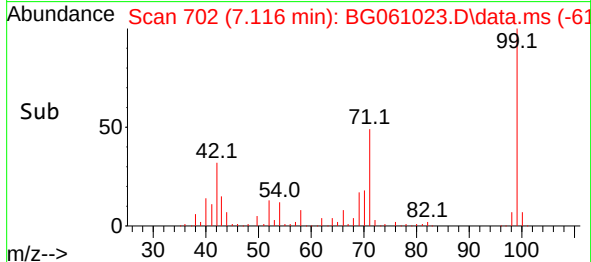
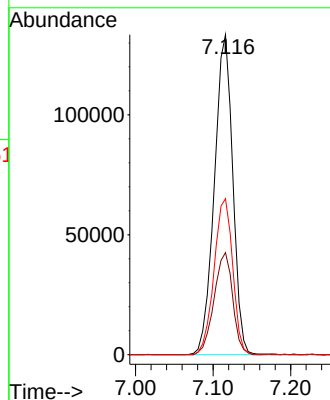
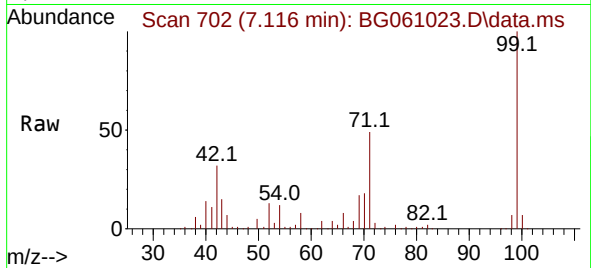




#7
Phenol-d6
Concen: 106.498 ng
RT: 7.116 min Scan# 701
Delta R.T. 0.007 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

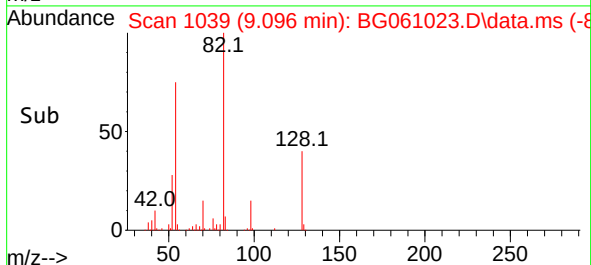
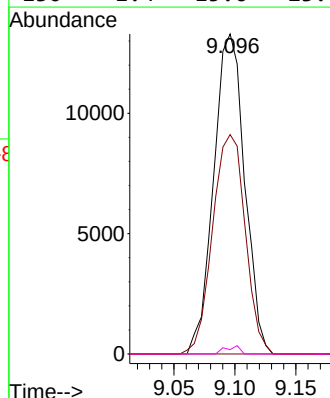
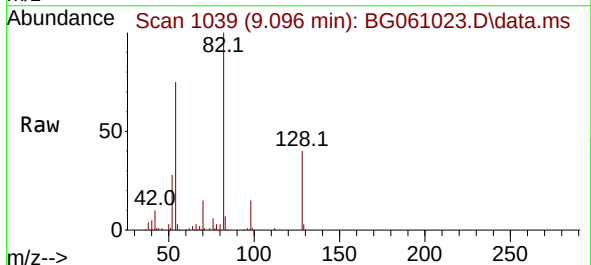
Instrument :
BNA_G
ClientSampleId :
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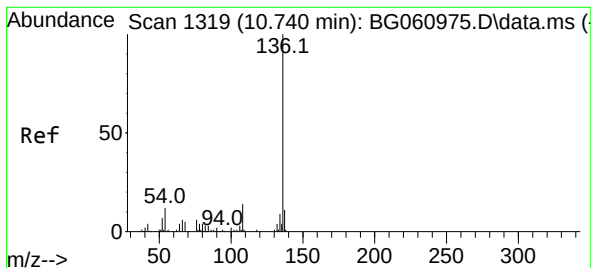
Tgt Ion: 99 Resp: 220106
Ion Ratio Lower Upper
99 100
42 31.9 27.2 40.8
71 48.7 38.8 58.2



#19
n-Nitroso-di-n-propylamine
Concen: 15.271 ng
RT: 9.096 min Scan# 1039
Delta R.T. 0.354 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Tgt Ion: 70 Resp: 23521
Ion Ratio Lower Upper
70 100
42 68.5 78.0 117.0#
101 0.0 8.6 13.0#
130 1.4 15.6 23.4#

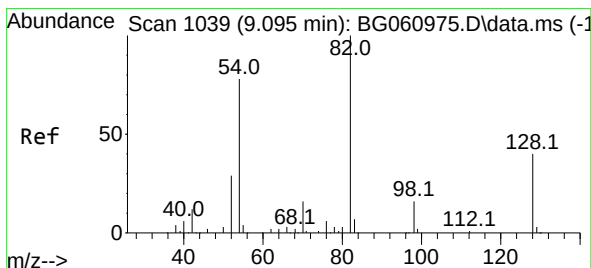
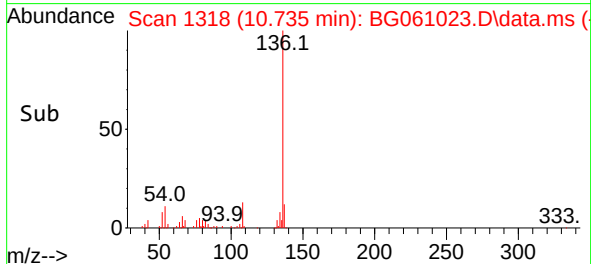
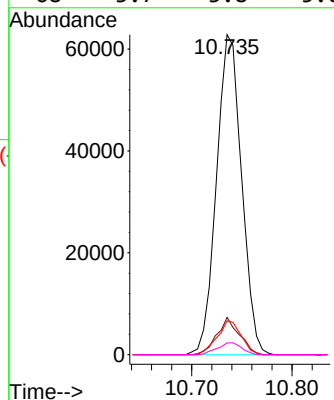
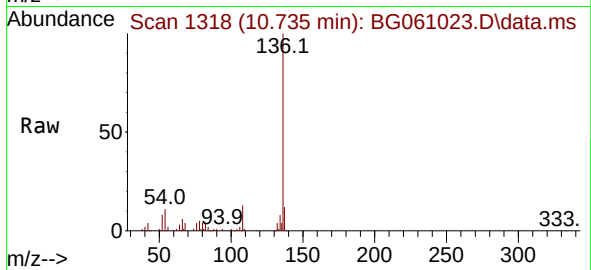




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.735 min Scan# 1318
Delta R.T. -0.005 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

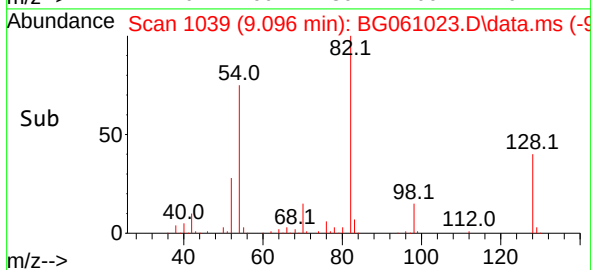
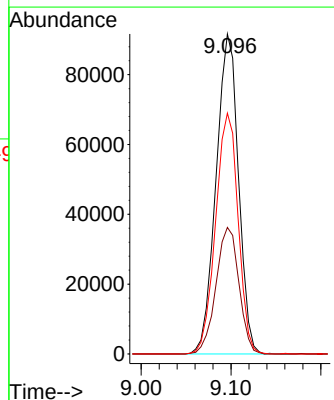
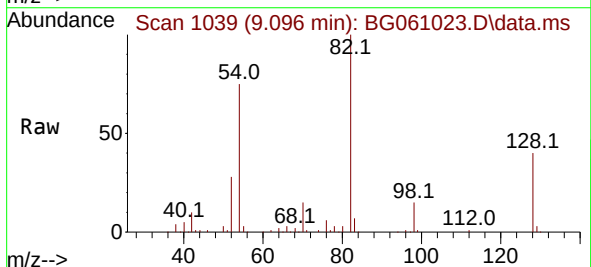
Instrument :
BNA_G
ClientSampleId :
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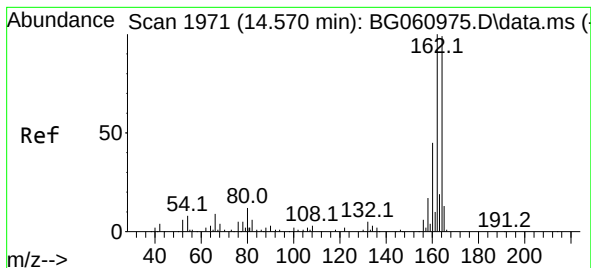
Tgt Ion:136 Resp: 109053
Ion Ratio Lower Upper
136 100
137 11.7 8.5 12.7
54 10.6 9.4 14.0
68 3.7 3.8 5.6#



#23
Nitrobenzene-d5
Concen: 65.358 ng
RT: 9.096 min Scan# 1039
Delta R.T. 0.001 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Tgt Ion: 82 Resp: 158639
Ion Ratio Lower Upper
82 100
128 39.6 32.1 48.1
54 75.3 62.3 93.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.572 min Scan# 1971

Delta R.T. 0.001 min

Lab File: BG061023.D

Acq: 24 Apr 2024 13:18

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE

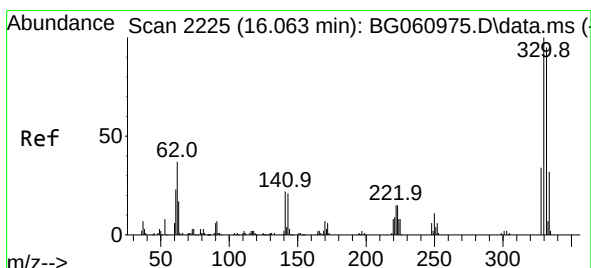
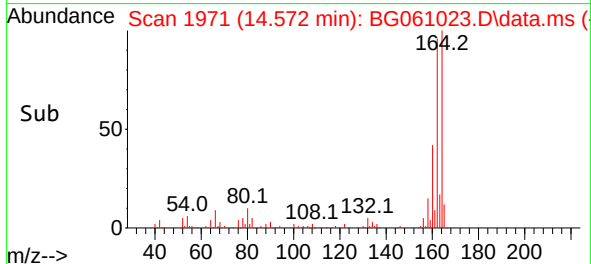
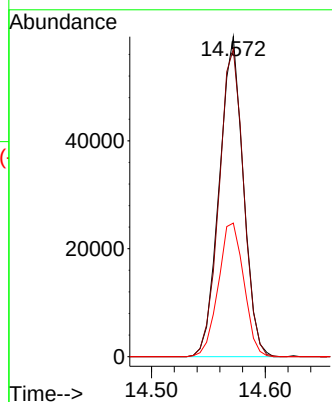
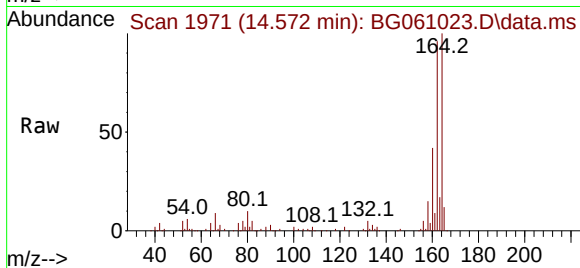
Tgt Ion:164 Resp: 86809

Ion Ratio Lower Upper

164 100

162 96.1 81.2 121.8

160 41.8 36.2 54.2



#42

2,4,6-Tribromophenol

Concen: 104.590 ng

RT: 16.058 min Scan# 2224

Delta R.T. -0.005 min

Lab File: BG061023.D

Acq: 24 Apr 2024 13:18

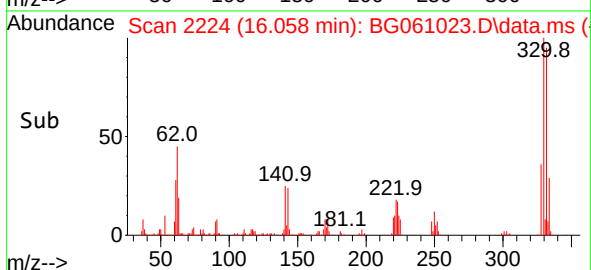
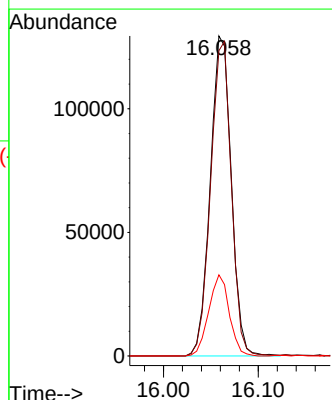
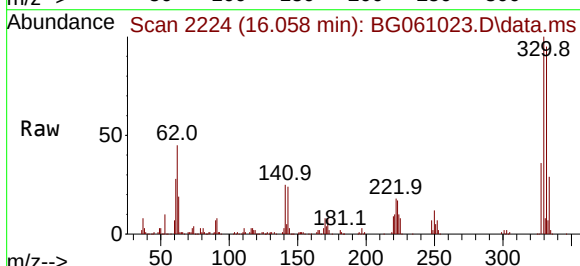
Tgt Ion:330 Resp: 199376

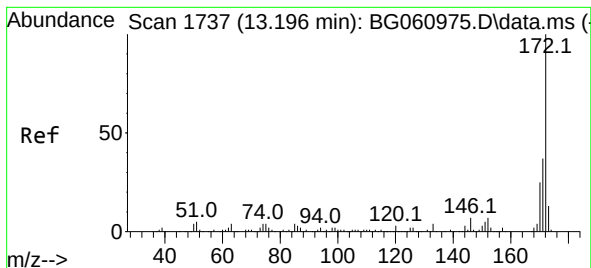
Ion Ratio Lower Upper

330 100

332 96.7 77.1 115.7

141 24.7 20.6 31.0

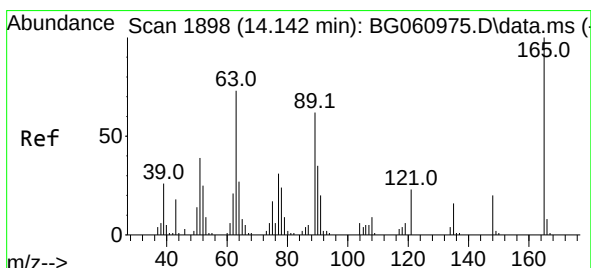
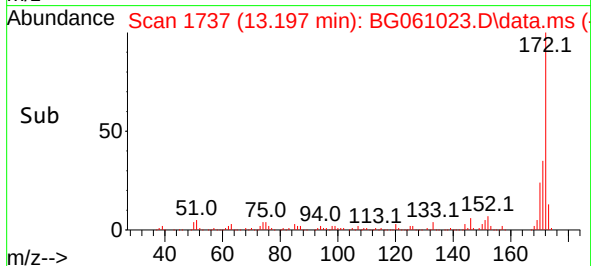
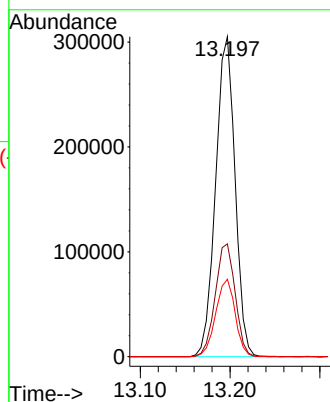
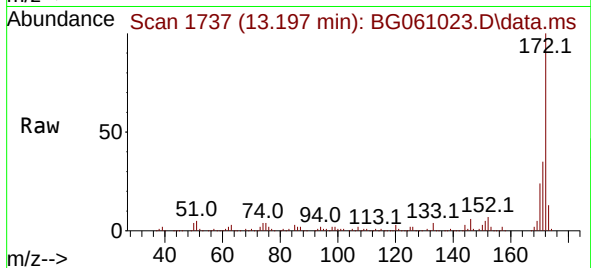




#45
2-Fluorobiphenyl
Concen: 72.894 ng
RT: 13.197 min Scan# 1
Delta R.T. 0.001 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

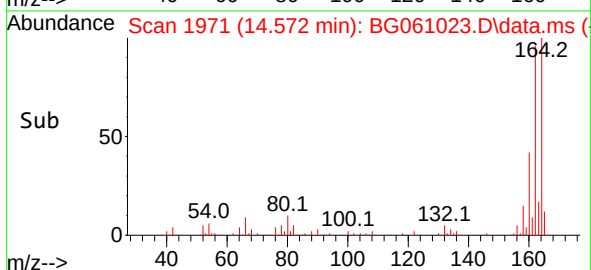
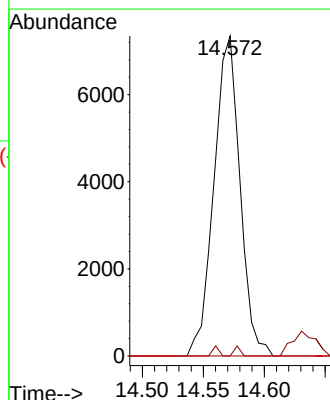
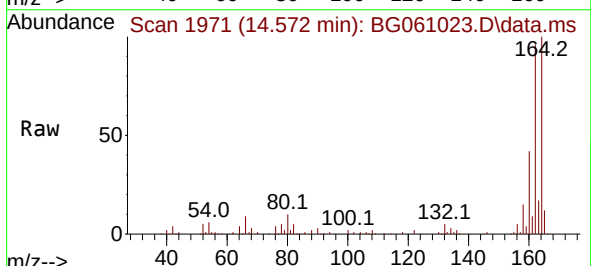
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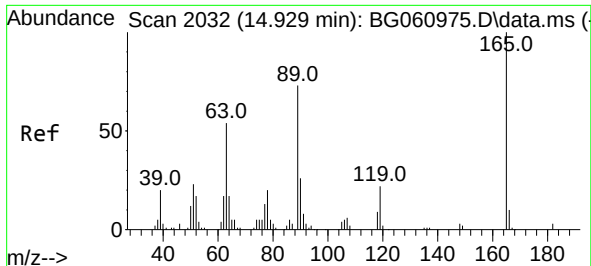
Tgt Ion:172 Resp: 457211
Ion Ratio Lower Upper
172 100
171 35.3 29.3 43.9
170 24.2 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 7.302 ng
RT: 14.572 min Scan# 1971
Delta R.T. 0.430 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Tgt Ion:165 Resp: 10906
Ion Ratio Lower Upper
165 100
63 0.0 59.6 89.4#
89 0.0 49.4 74.0#

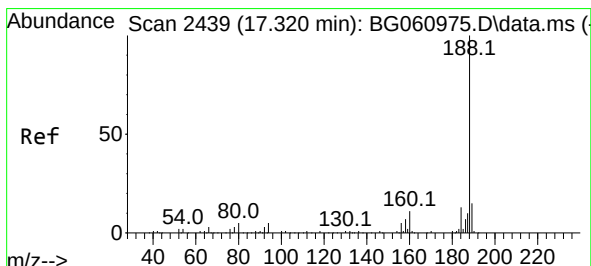
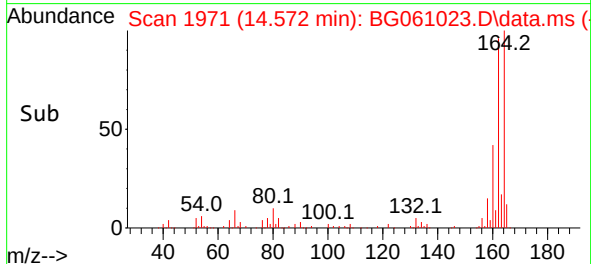
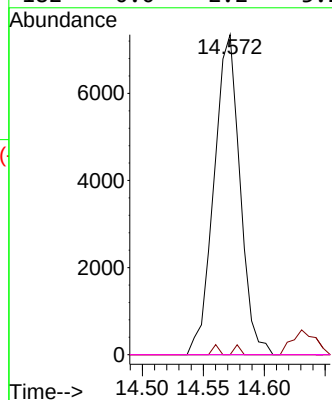
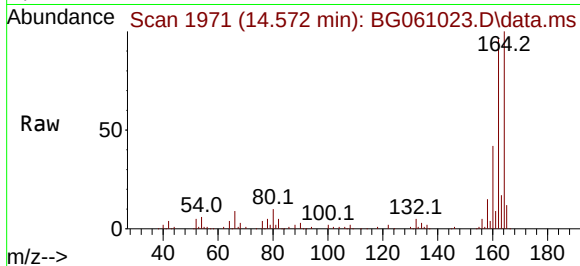




#57
2,4-Dinitrotoluene
Concen: 5.070 ng
RT: 14.572 min Scan# 1971
Delta R.T. -0.357 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

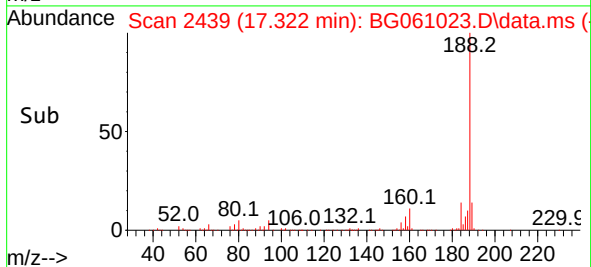
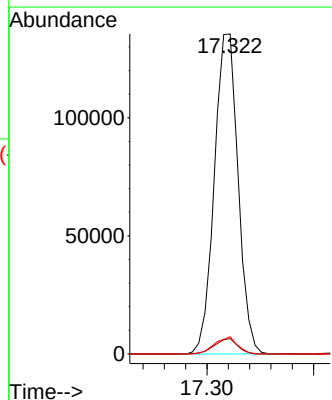
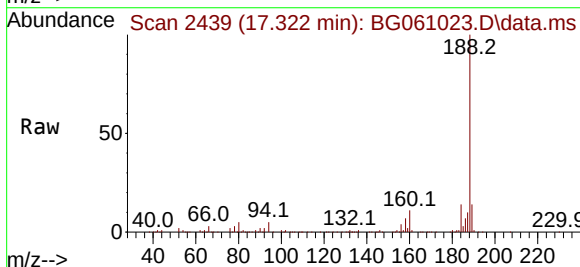
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

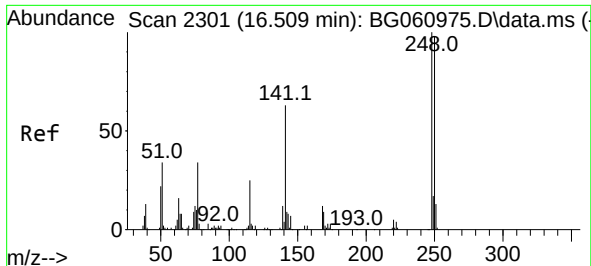
Tgt Ion:165 Resp: 10906
Ion Ratio Lower Upper
165 100
63 0.0 43.4 65.2#
89 0.0 58.4 87.6#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.322 min Scan# 2439
Delta R.T. 0.001 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Tgt Ion:188 Resp: 209457
Ion Ratio Lower Upper
188 100
94 4.8 4.1 6.1
80 5.3 4.0 6.0

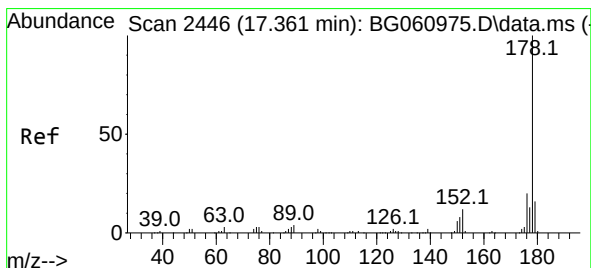
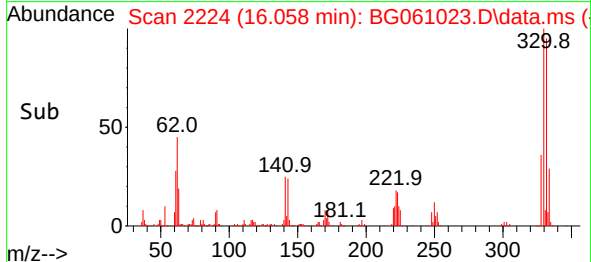
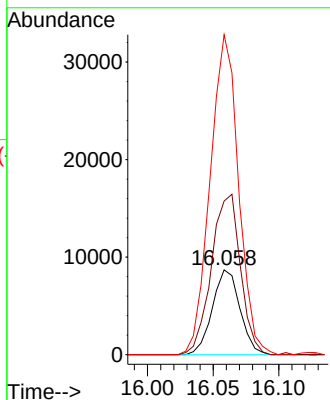
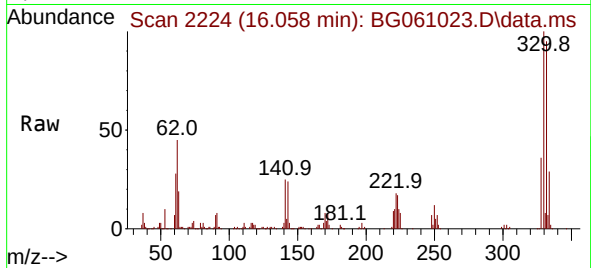




#67
4-Bromophenyl-phenylether
Concen: 4.591 ng
RT: 16.058 min Scan# 21
Delta R.T. -0.451 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

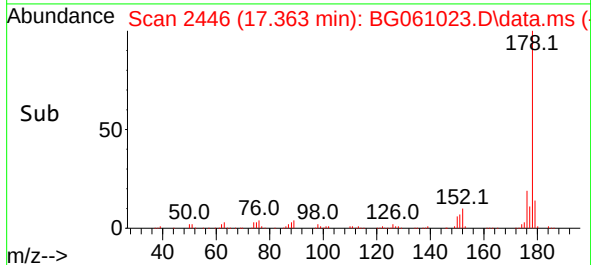
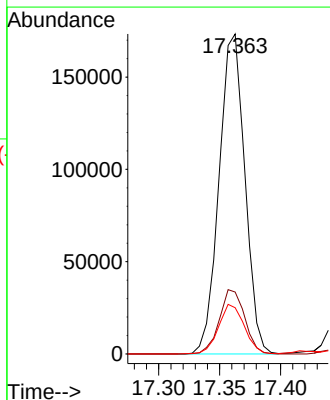
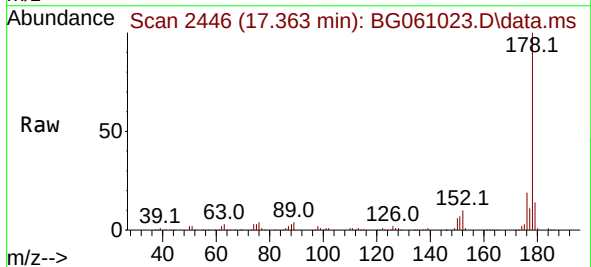
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

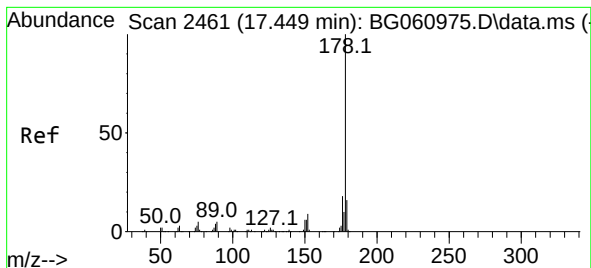
Tgt Ion:248 Resp: 12692
Ion Ratio Lower Upper
248 100
250 181.0 78.7 118.1#
141 377.1 50.4 75.6#



#71
Phenanthrene
Concen: 23.897 ng
RT: 17.363 min Scan# 2446
Delta R.T. 0.002 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Tgt Ion:178 Resp: 255486
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 14.4 12.5 18.7





#72

Anthracene

Concen: 2.816 ng

RT: 17.451 min Scan# 24

Delta R.T. 0.001 min

Lab File: BG061023.D

Acq: 24 Apr 2024 13:18

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE

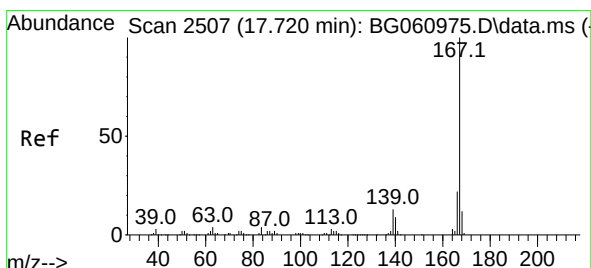
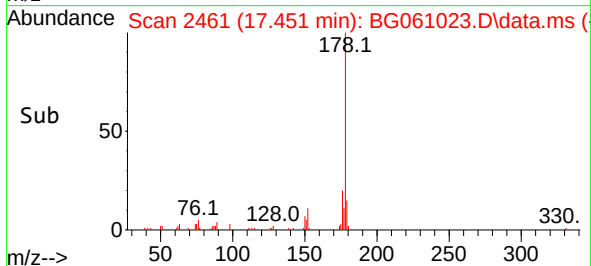
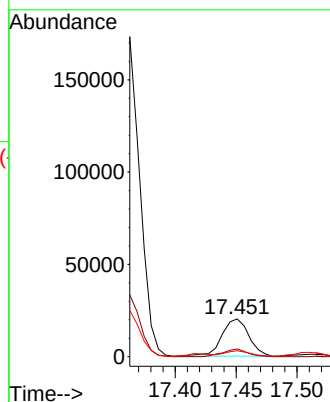
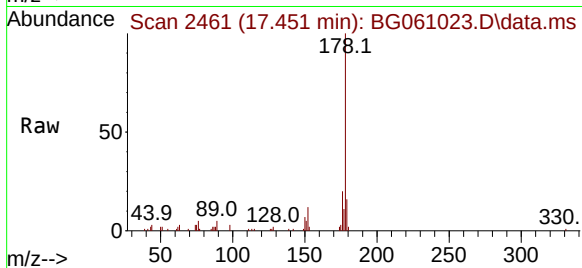
Tgt Ion:178 Resp: 31011

Ion Ratio Lower Upper

178 100

176 20.3 14.7 22.1

179 15.8 12.4 18.6



#73

Carbazole

Concen: 2.158 ng

RT: 17.715 min Scan# 2506

Delta R.T. -0.004 min

Lab File: BG061023.D

Acq: 24 Apr 2024 13:18

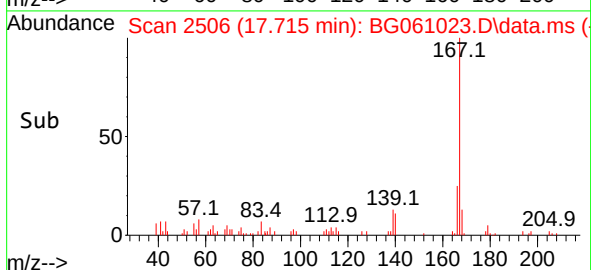
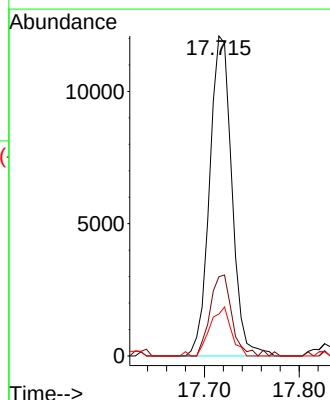
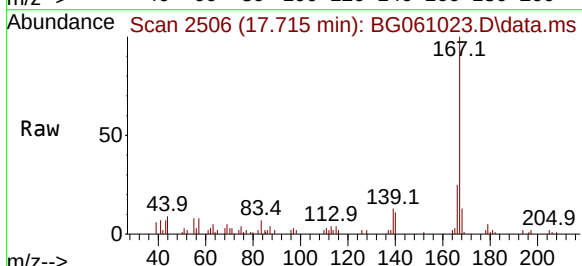
Tgt Ion:167 Resp: 19731

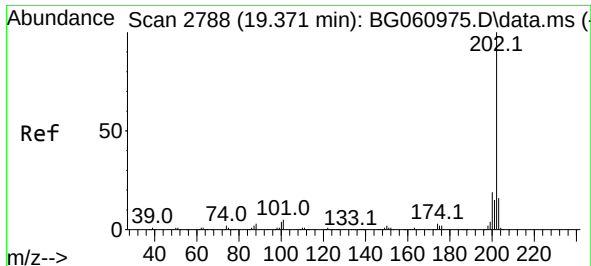
Ion Ratio Lower Upper

167 100

166 24.8 17.8 26.8

139 13.1 10.2 15.2

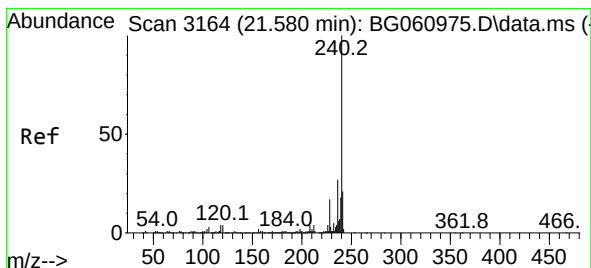
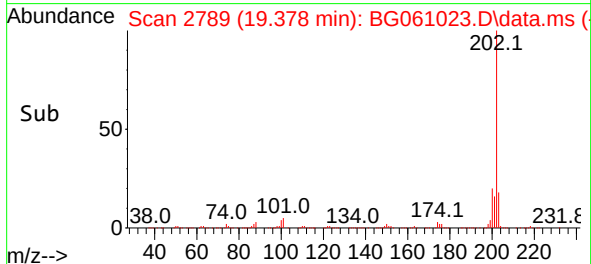
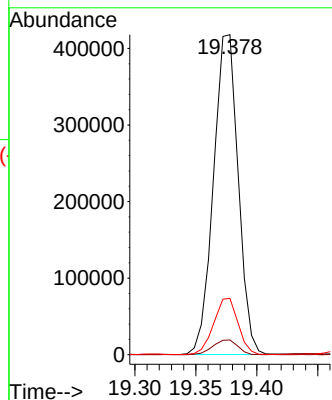
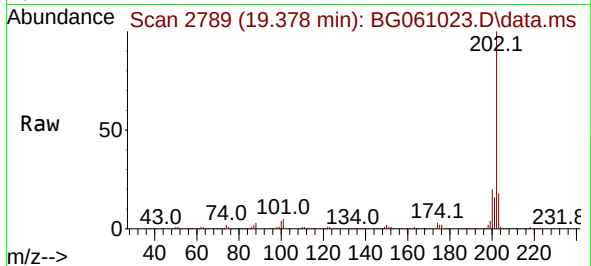




#75
Fluoranthene
Concen: 41.660 ng
RT: 19.378 min Scan# 21
Delta R.T. 0.007 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

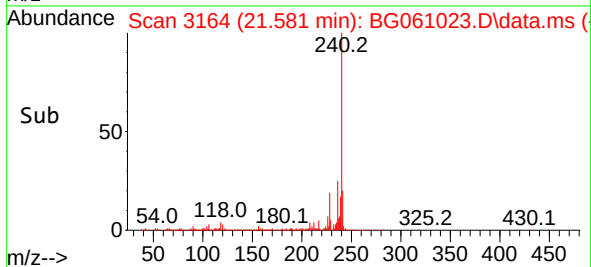
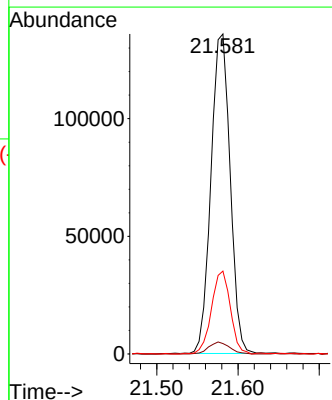
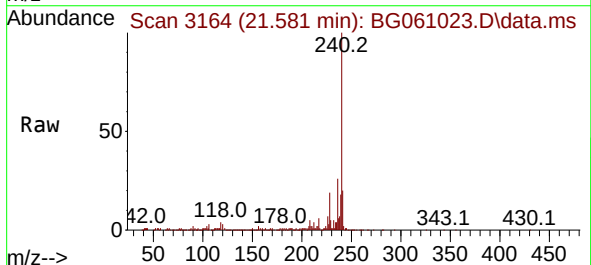
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

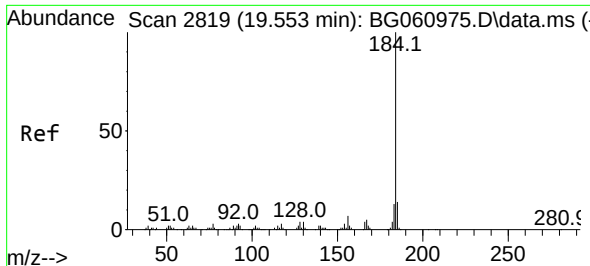
Tgt Ion:202 Resp: 591103
Ion Ratio Lower Upper
202 100
101 4.6 0.0 24.9
203 17.6 0.0 36.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.581 min Scan# 3164
Delta R.T. 0.001 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Tgt Ion:240 Resp: 222826
Ion Ratio Lower Upper
240 100
120 3.2 3.0 4.6
236 25.9 21.8 32.6

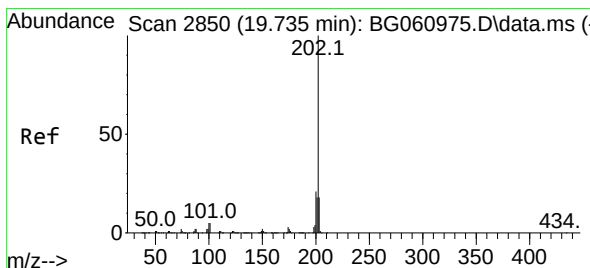
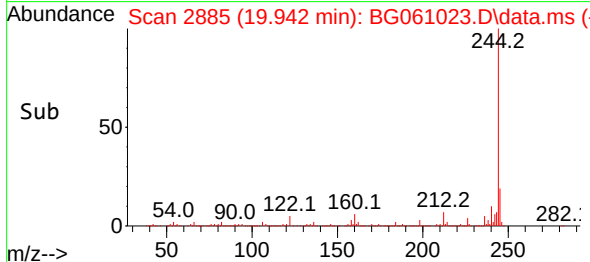
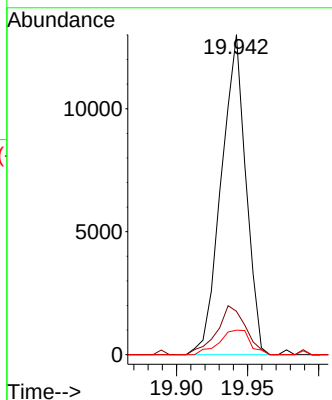
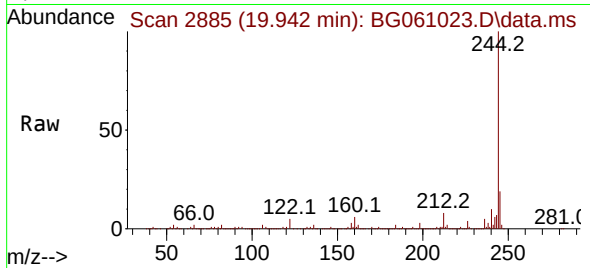




#77
Benzidine
Concen: 3.795 ng
RT: 19.942 min Scan# 2885
Delta R.T. 0.389 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

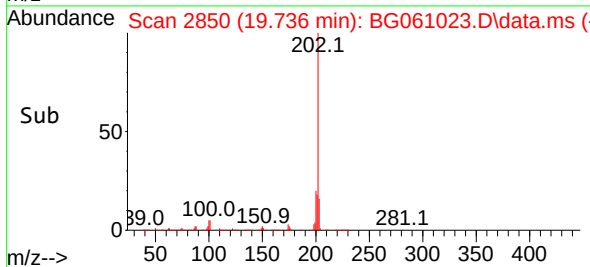
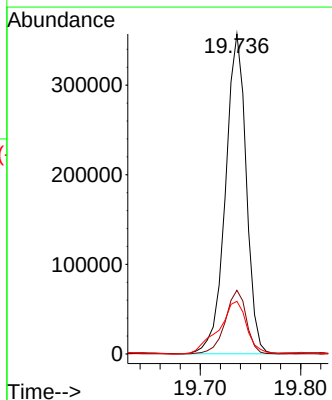
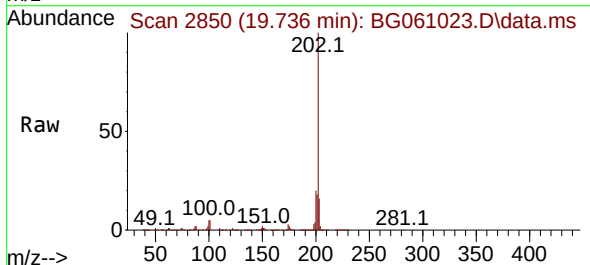
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

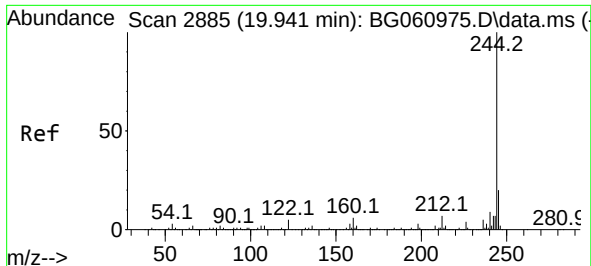
Tgt Ion:184 Resp: 15667
Ion Ratio Lower Upper
184 100
185 13.6 11.3 16.9
183 7.6 10.2 15.2#



#78
Pyrene
Concen: 33.771 ng
RT: 19.736 min Scan# 2850
Delta R.T. 0.001 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Tgt Ion:202 Resp: 512383
Ion Ratio Lower Upper
202 100
200 19.9 16.8 25.2
203 16.5 14.2 21.2

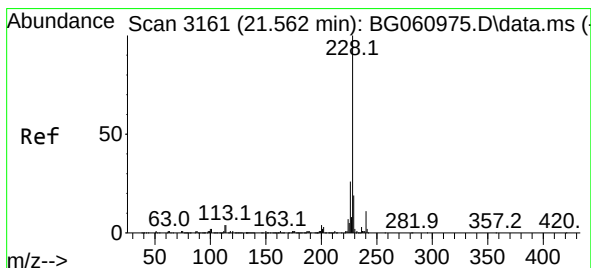
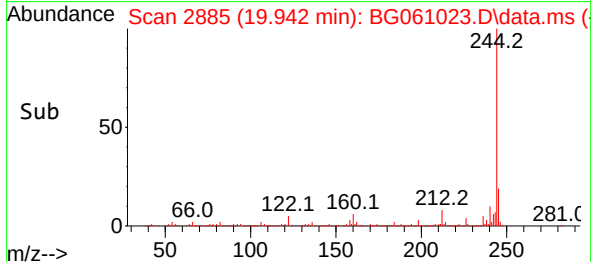
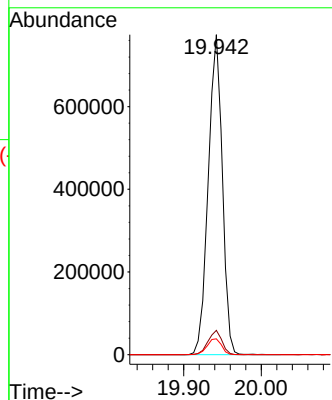
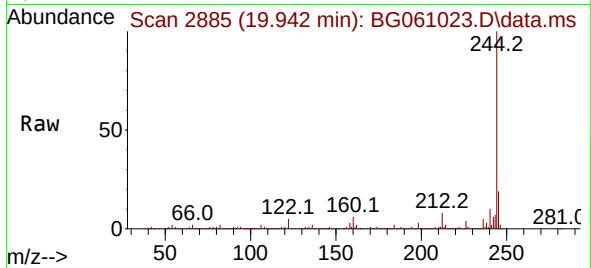




#79
 Terphenyl-d14
 Concen: 67.757 ng
 RT: 19.942 min Scan# 21
 Delta R.T. 0.001 min
 Lab File: BG061023.D
 Acq: 24 Apr 2024 13:18

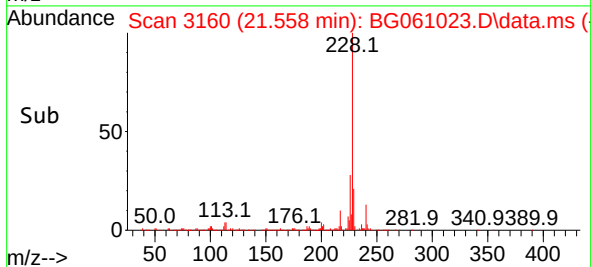
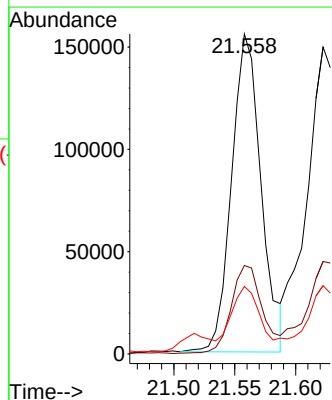
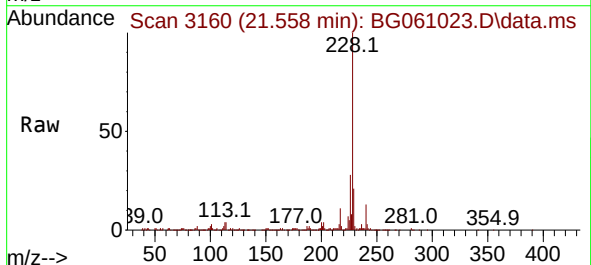
Instrument :
 BNA_G
 ClientSampleId :
 STOCK-PILE

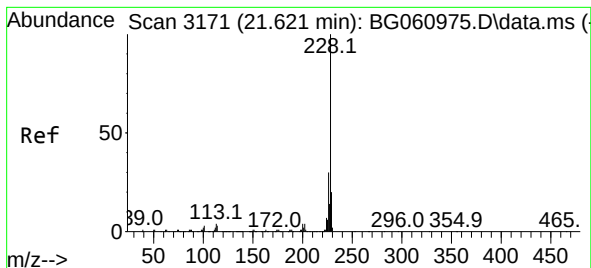
Tgt Ion:244 Resp: 972665
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.9 8.9
 122 4.9 4.2 6.2



#81
 Benzo(a)anthracene
 Concen: 16.665 ng
 RT: 21.558 min Scan# 3160
 Delta R.T. -0.004 min
 Lab File: BG061023.D
 Acq: 24 Apr 2024 13:18

Tgt Ion:228 Resp: 261070
 Ion Ratio Lower Upper
 228 100
 226 27.7 21.0 31.4
 229 21.1 15.0 22.4





#83

Chrysene

Concen: 18.391 ng

RT: 21.622 min Scan# 3171

Delta R.T. 0.001 min

Lab File: BG061023.D

Acq: 24 Apr 2024 13:18

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE

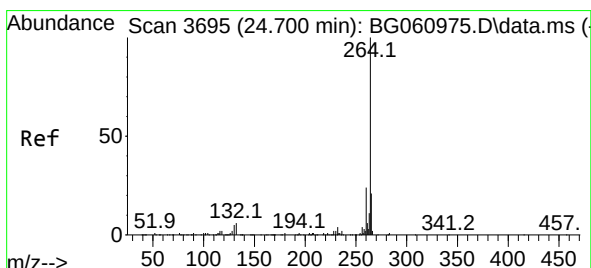
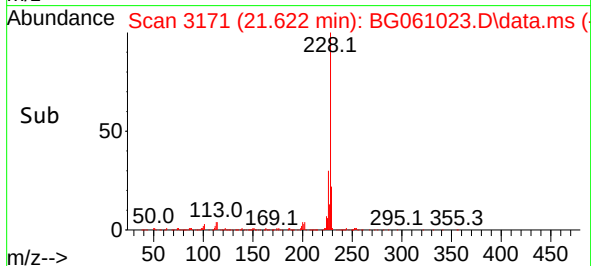
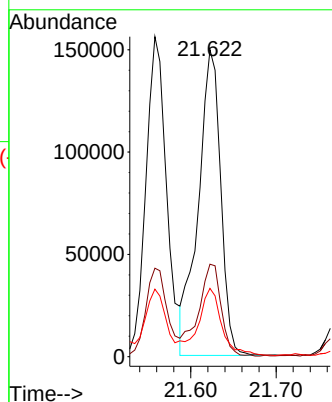
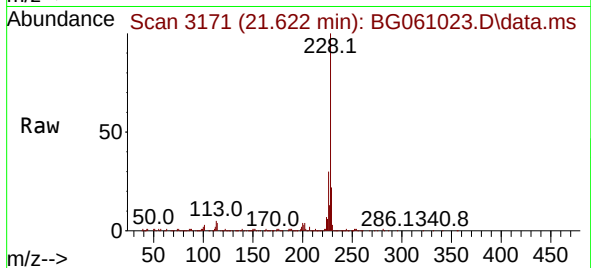
Tgt Ion:228 Resp: 274312

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.2

229 22.3 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.707 min Scan# 3696

Delta R.T. 0.007 min

Lab File: BG061023.D

Acq: 24 Apr 2024 13:18

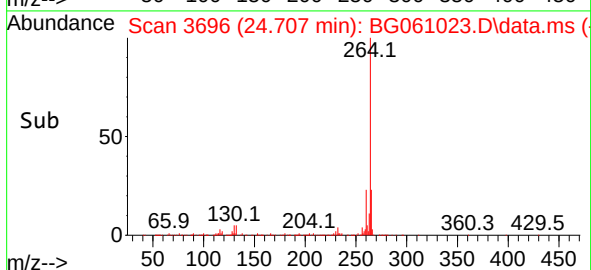
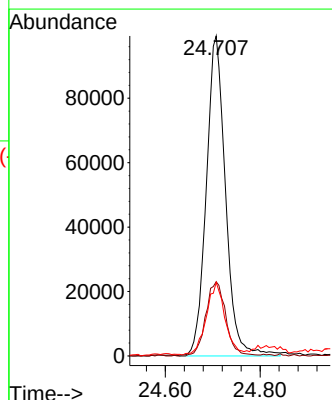
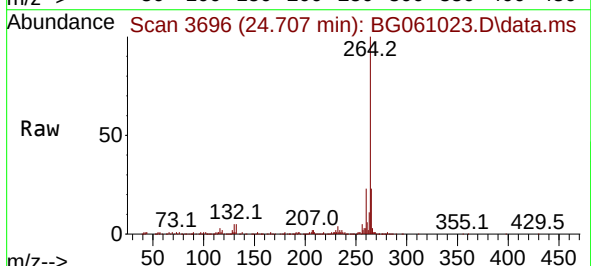
Tgt Ion:264 Resp: 279660

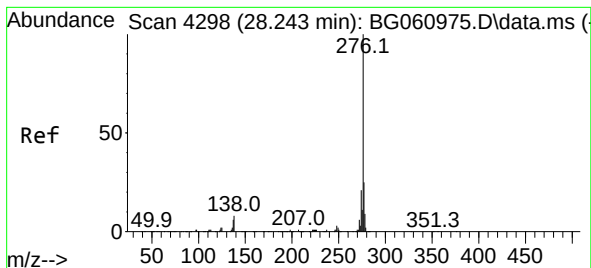
Ion Ratio Lower Upper

264 100

260 23.2 19.4 29.2

265 23.0 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 8.170 ng

RT: 28.250 min Scan# 4298

Delta R.T. 0.007 min

Lab File: BG061023.D

Acq: 24 Apr 2024 13:18

Instrument :

BNA_G

ClientSampleId :

STOCK-PILE

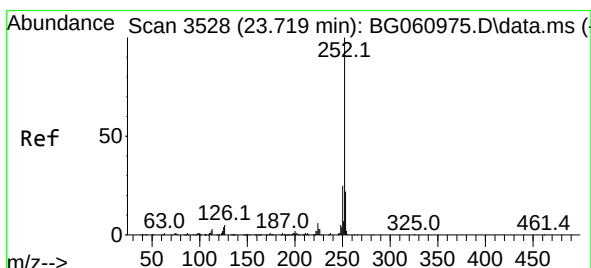
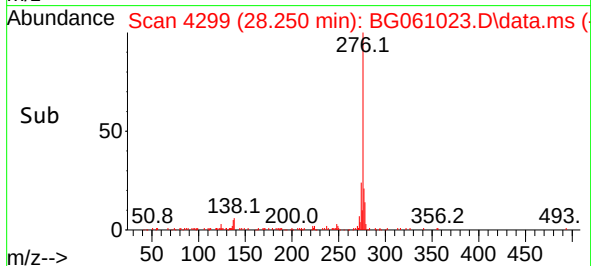
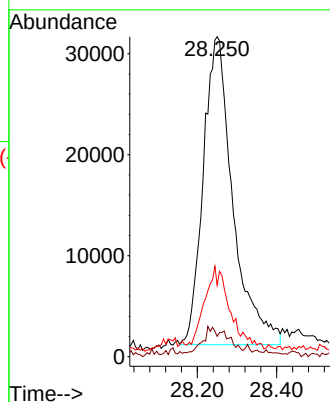
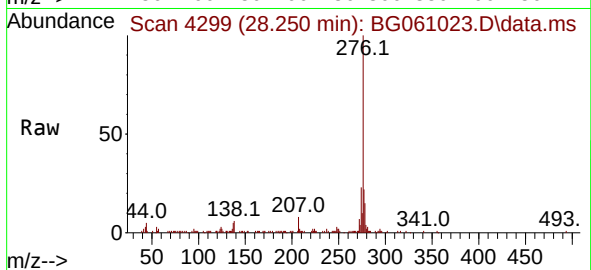
Tgt Ion:276 Resp: 158498

Ion Ratio Lower Upper

276 100

138 0.0 5.3 7.9#

277 10.8 20.6 30.8#



#88

Benzo(b)fluoranthene

Concen: 22.097 ng

RT: 23.720 min Scan# 3528

Delta R.T. 0.001 min

Lab File: BG061023.D

Acq: 24 Apr 2024 13:18

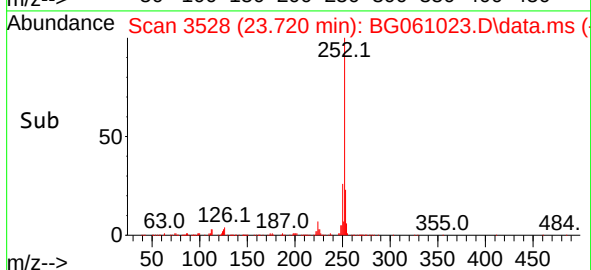
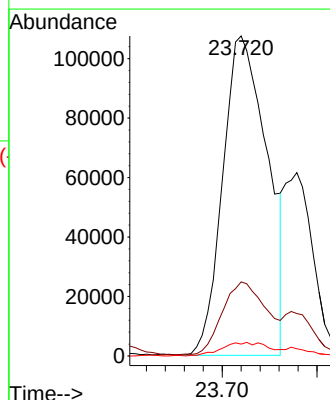
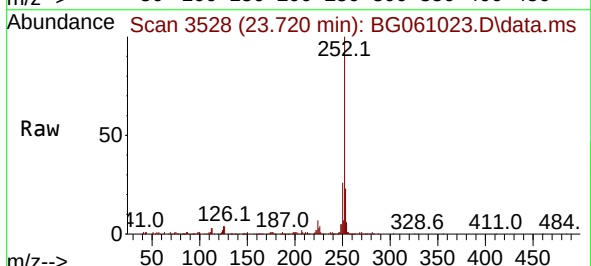
Tgt Ion:252 Resp: 350191

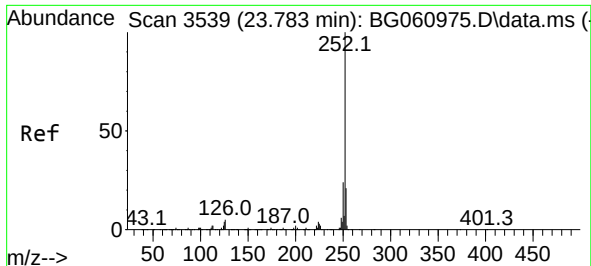
Ion Ratio Lower Upper

252 100

253 23.2 17.5 26.3

125 3.7 3.3 4.9

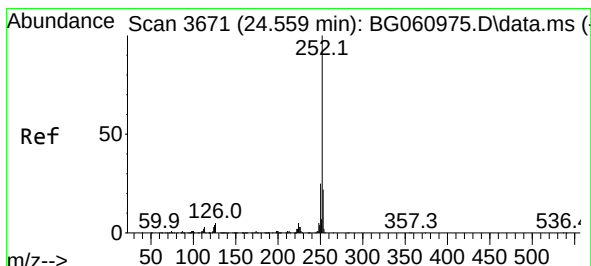
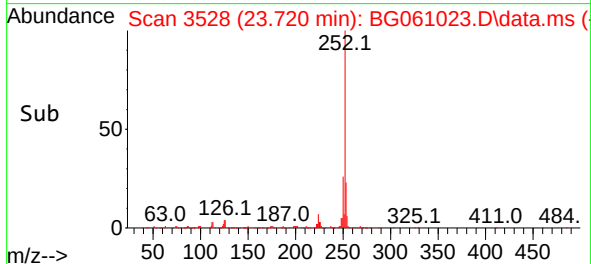
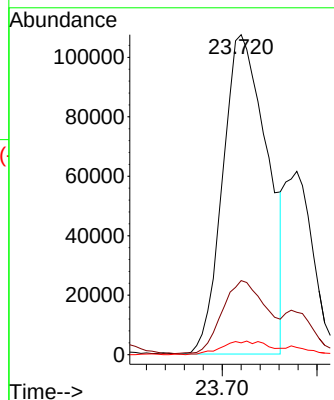
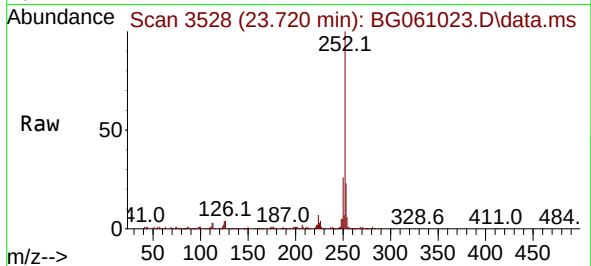




#89
Benzo(k)fluoranthene
Concen: 21.889 ng
RT: 23.720 min Scan# 31
Delta R.T. -0.063 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

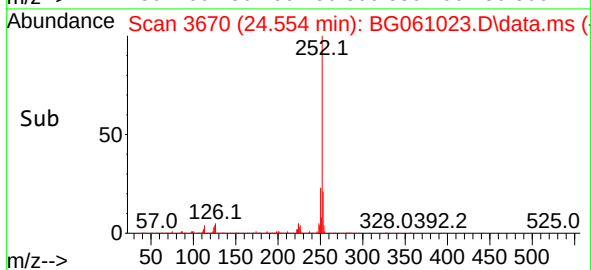
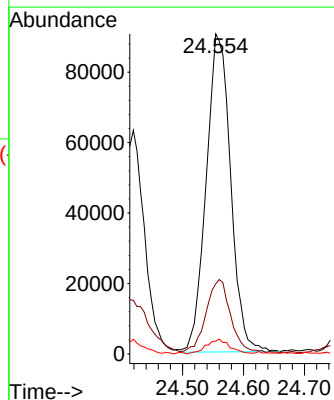
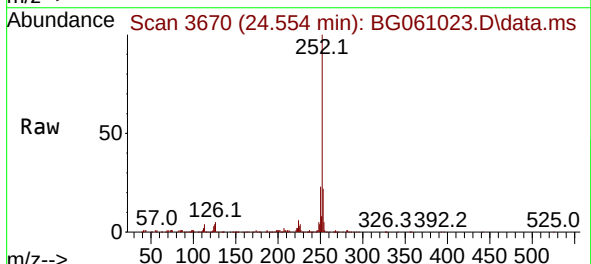
Instrument :
BNA_G
ClientSampleId :
STOCK-PILE

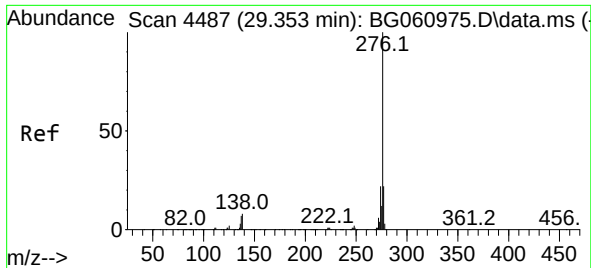
Tgt Ion:252 Resp: 350191
Ion Ratio Lower Upper
252 100
253 23.2 16.6 25.0
125 3.7 3.3 4.9



#90
Benzo(a)pyrene
Concen: 16.426 ng
RT: 24.554 min Scan# 3670
Delta R.T. -0.004 min
Lab File: BG061023.D
Acq: 24 Apr 2024 13:18

Tgt Ion:252 Resp: 251980
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 4.0 3.6 5.4





#92
 Benzo(g,h,i)perylene
 Concen: 9.466 ng
 RT: 29.343 min Scan# 44
 Delta R.T. -0.010 min
 Lab File: BG061023.D
 Acq: 24 Apr 2024 13:18

Instrument :
 BNA_G
 ClientSampleId :
 STOCK-PILE

Tgt Ion:276 Resp: 148761
 Ion Ratio Lower Upper
 276 100
 277 26.9 18.0 27.0
 138 8.5 6.5 9.7

