

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
 Data File : BG061036.D
 Acq On : 25 Apr 2024 13:44
 Operator : MA/JU
 Sample : P2126-07DL 10X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-1CDL

Quant Time: Apr 25 14:24:54 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)

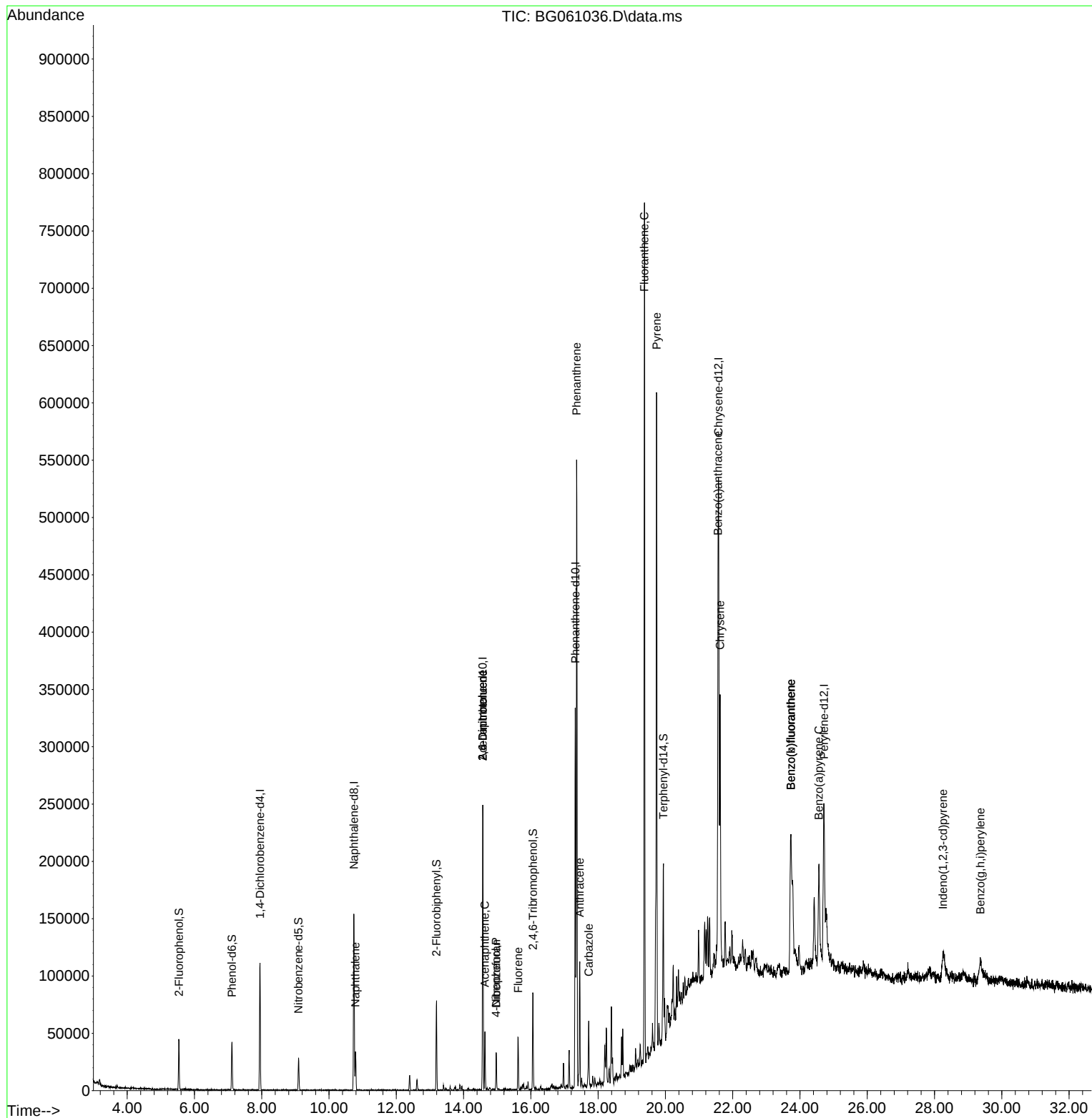
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.947	152	29466	20.000	ng	0.00
21) Naphthalene-d8	10.738	136	117392	20.000	ng	0.00
39) Acenaphthene-d10	14.569	164	92925	20.000	ng	0.00
64) Phenanthrene-d10	17.319	188	214675	20.000	ng	0.00
76) Chrysene-d12	21.578	240	207965	20.000	ng	# 0.00
86) Perylene-d12	24.710	264	192618	20.000	ng	# 0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	16467	11.304	ng	0.01
7) Phenol-d6	7.113	99	19479	9.012	ng	0.00
23) Nitrobenzene-d5	9.093	82	13979	5.350	ng	0.00
42) 2,4,6-Tribromophenol	16.061	330	18275	8.956	ng	0.00
45) 2-Fluorobiphenyl	13.194	172	42206	6.286	ng	0.00
79) Terphenyl-d14	19.939	244	76735	5.727	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.785	128	25275	3.933	ng	97
51) 2,6-Dinitrotoluene	14.569	165	12435	7.777	ng	# 17
52) Acenaphthene	14.634	154	17891	3.643	ng	95
55) Dibenzofuran	14.969	168	18265	2.154	ng	96
56) 4-Nitrophenol	14.963	139	7487	6.629	ng	# 1
57) 2,4-Dinitrotoluene	14.569	165	12435	5.400	ng	# 21
58) Fluorene	15.621	166	20773	2.902	ng	95
71) Phenanthrene	17.360	178	348242	31.781	ng	99
72) Anthracene	17.454	178	73119	6.479	ng	99
73) Carbazole	17.718	167	36557	3.900	ng	98
75) Fluoranthene	19.375	202	490768	33.748	ng	97
78) Pyrene	19.739	202	414737	29.289	ng	99
81) Benzo(a)anthracene	21.561	228	203881	13.944	ng	98
83) Chrysene	21.625	228	184682	13.267	ng	97
87) Indeno(1,2,3-cd)pyrene	28.253	276	56573	4.234	ng	# 76
88) Benzo(b)fluoranthene	23.729	252	191017	17.500	ng	98
89) Benzo(k)fluoranthene	23.729	252	191017	17.335	ng	96
90) Benzo(a)pyrene	24.563	252	116868	11.061	ng	96
92) Benzo(g,h,i)perylene	29.363	276	53347	4.928	ng	95

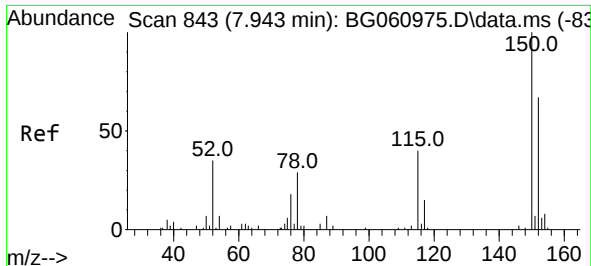
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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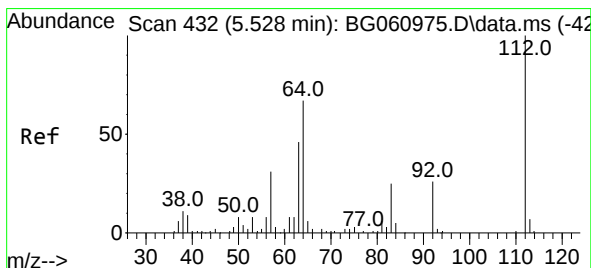
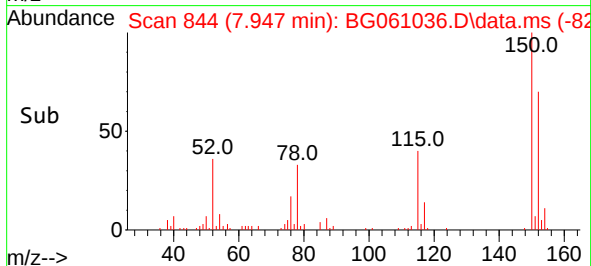
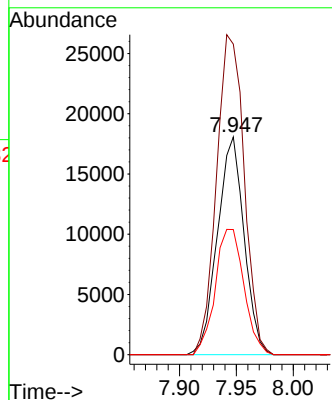
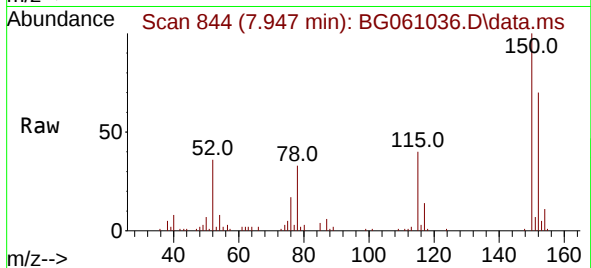




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.947 min Scan# 843
Delta R.T. 0.004 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

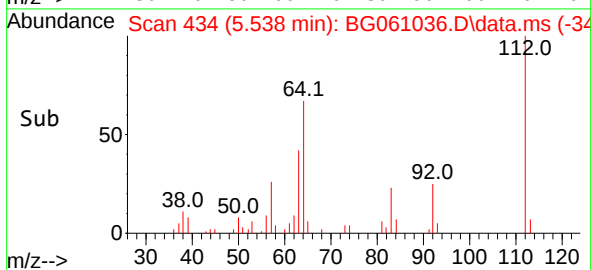
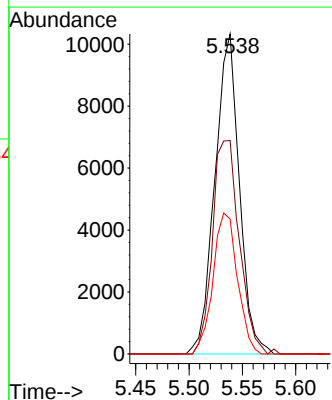
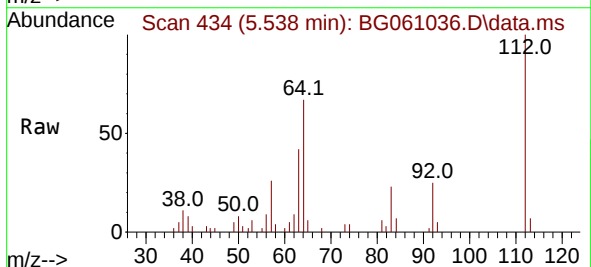
Instrument :
BNA_G
ClientSampleId :
SP-1CDL

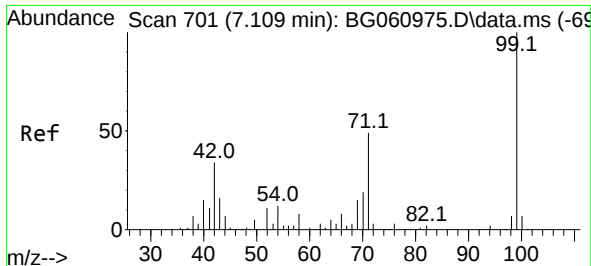
Tgt Ion:152 Resp: 29466
Ion Ratio Lower Upper
152 100
150 142.6 118.6 178.0
115 57.5 47.4 71.0



#5
2-Fluorophenol
Concen: 11.304 ng
RT: 5.538 min Scan# 434
Delta R.T. 0.010 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

Tgt Ion:112 Resp: 16467
Ion Ratio Lower Upper
112 100
64 66.7 53.7 80.5
63 42.2 37.0 55.6

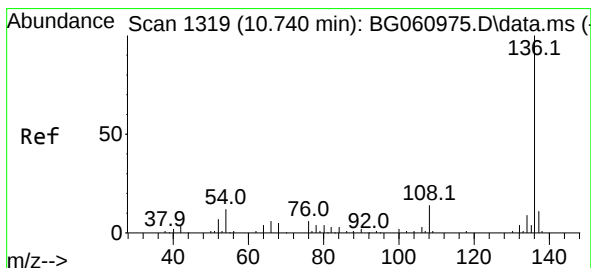
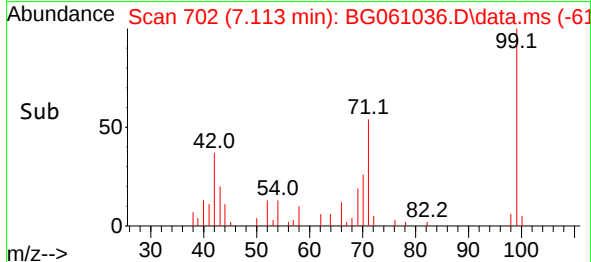
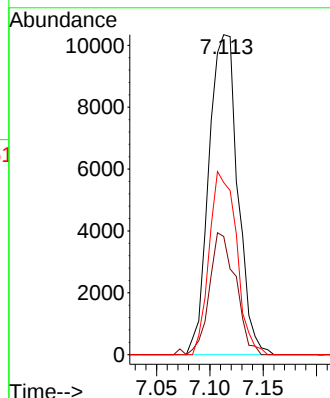
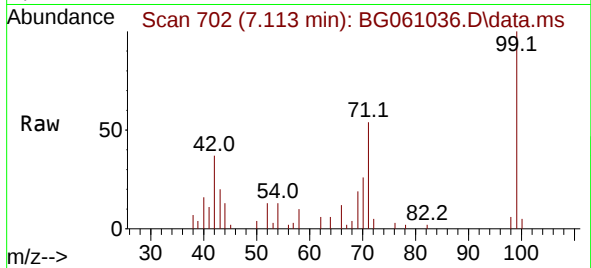




#7
Phenol-d6
Concen: 9.012 ng
RT: 7.113 min Scan# 701
Delta R.T. 0.004 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

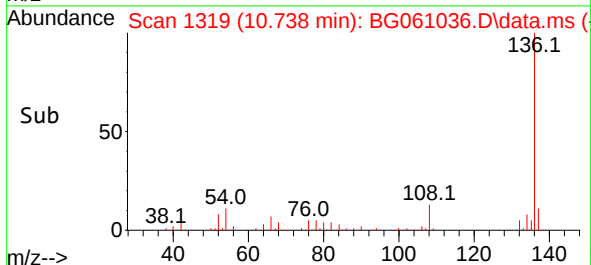
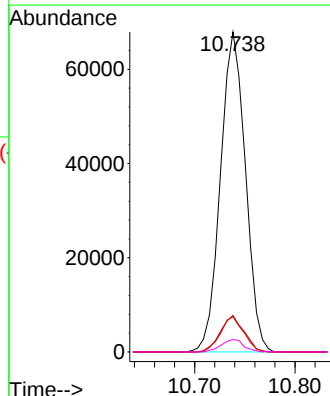
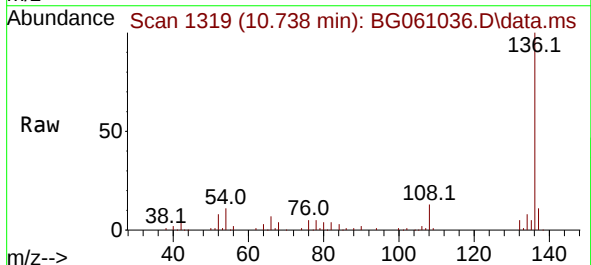
Instrument :
BNA_G
ClientSampleId :
SP-1CDL

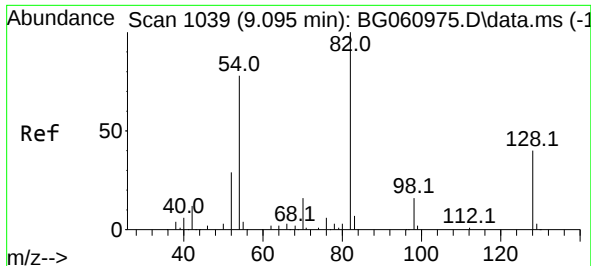
Tgt Ion: 99 Resp: 19479
Ion Ratio Lower Upper
99 100
42 37.0 27.2 40.8
71 53.8 38.8 58.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.738 min Scan# 1319
Delta R.T. -0.002 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

Tgt Ion: 136 Resp: 117392
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 11.0 9.4 14.0
68 3.9 3.8 5.6





#23

Nitrobenzene-d5

Concen: 5.350 ng

RT: 9.093 min Scan# 1039

Delta R.T. -0.001 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

Instrument :

BNA_G

ClientSampleId :

SP-1CDL

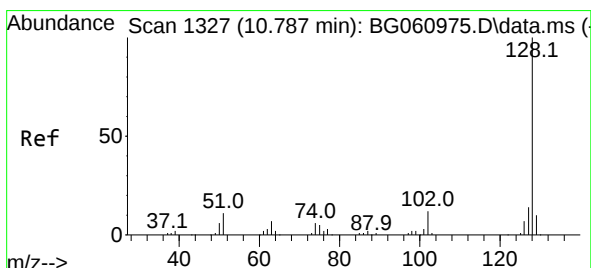
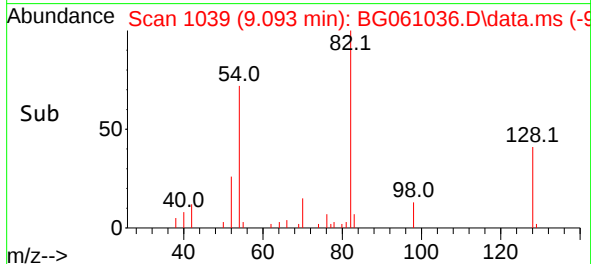
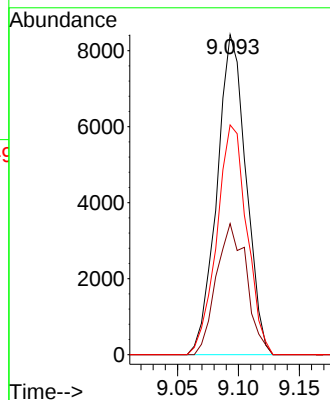
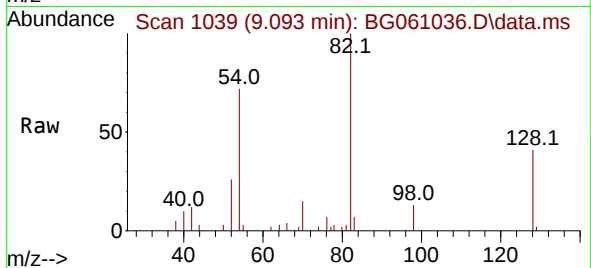
Tgt Ion: 82 Resp: 13979

Ion Ratio Lower Upper

82 100

128 41.0 32.1 48.1

54 71.8 62.3 93.5



#31

Naphthalene

Concen: 3.933 ng

RT: 10.785 min Scan# 1327

Delta R.T. -0.001 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

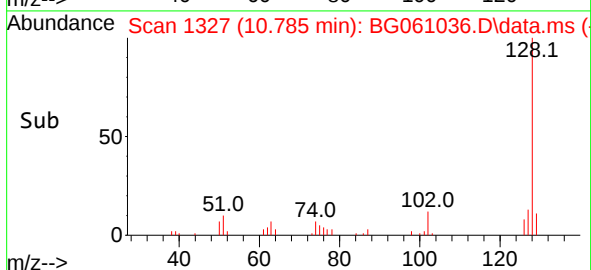
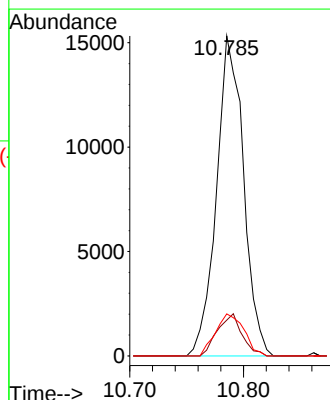
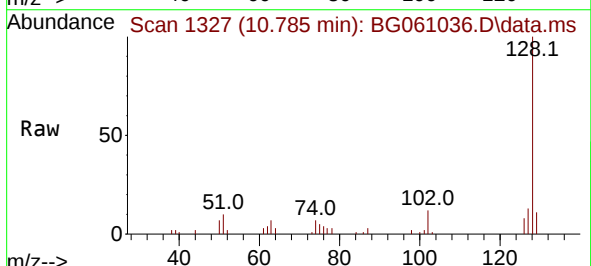
Tgt Ion:128 Resp: 25275

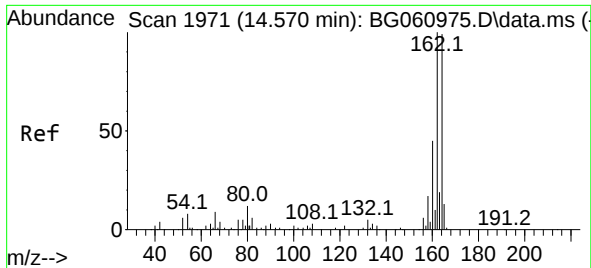
Ion Ratio Lower Upper

128 100

129 11.2 8.2 12.4

127 13.1 11.4 17.2

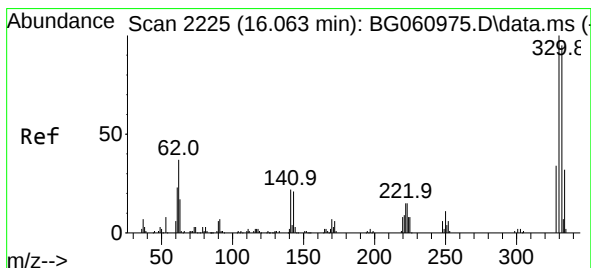
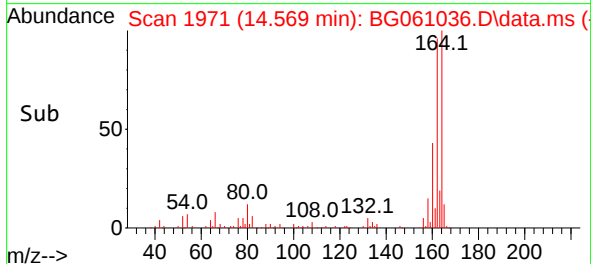
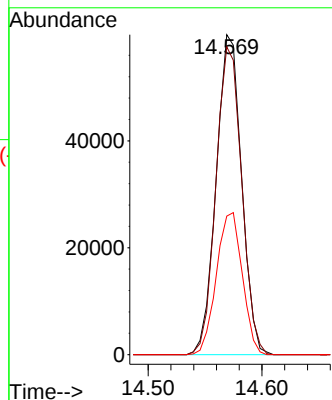
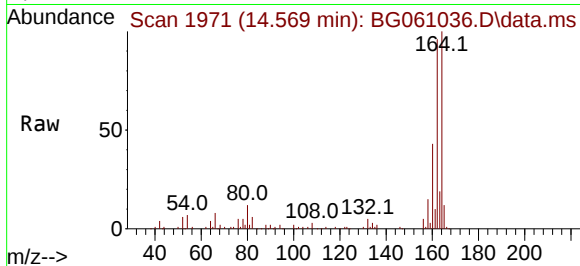




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.569 min Scan# 1971
Delta R.T. -0.001 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

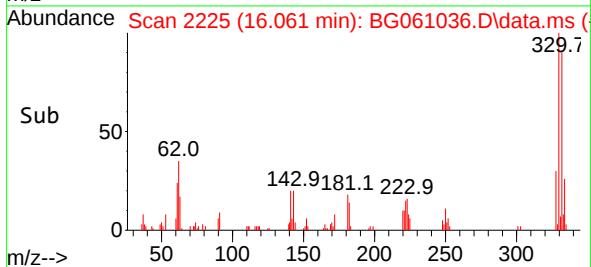
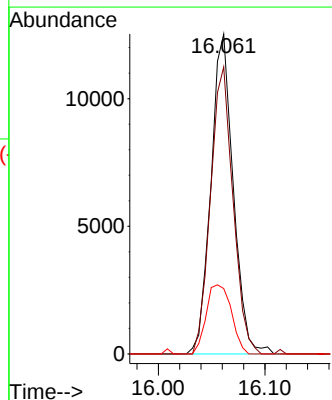
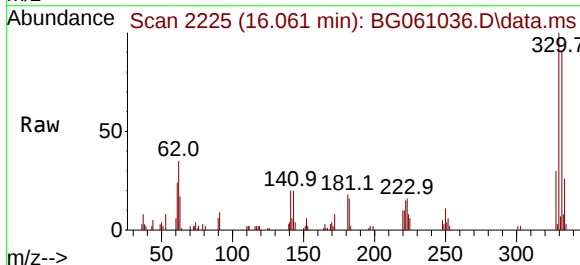
Instrument :
BNA_G
ClientSampleId :
SP-1CDL

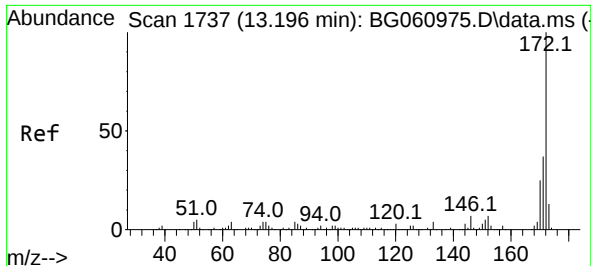
Tgt Ion:164 Resp: 92925
Ion Ratio Lower Upper
164 100
162 96.2 81.2 121.8
160 43.3 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 8.956 ng
RT: 16.061 min Scan# 2225
Delta R.T. -0.002 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

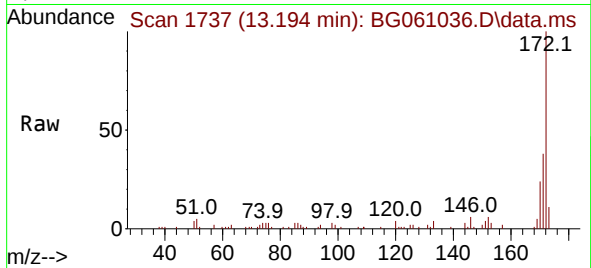
Tgt Ion:330 Resp: 18275
Ion Ratio Lower Upper
330 100
332 90.0 77.1 115.7
141 24.3 20.6 31.0



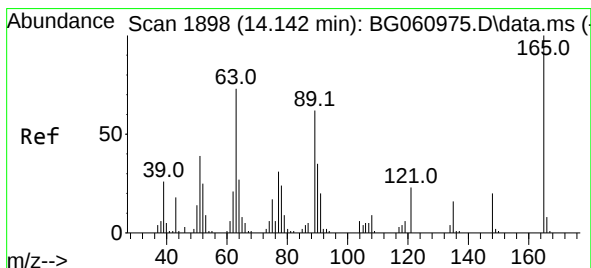
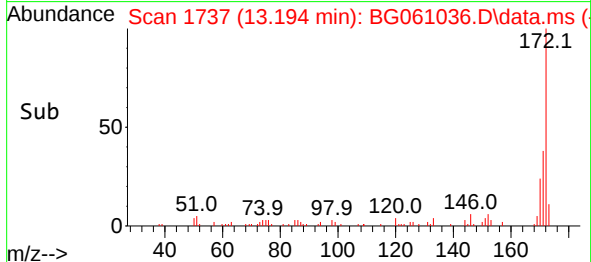
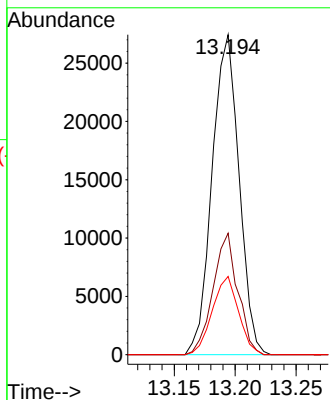


#45
2-Fluorobiphenyl
Concen: 6.286 ng
RT: 13.194 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

Instrument :
BNA_G
ClientSampleId :
SP-1CDL

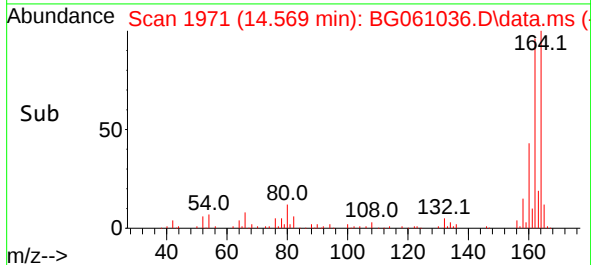
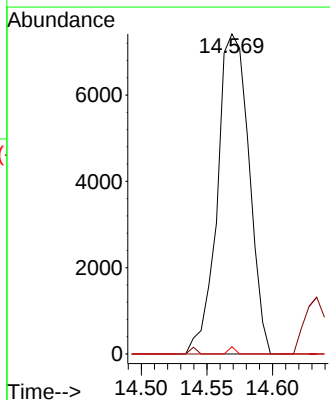
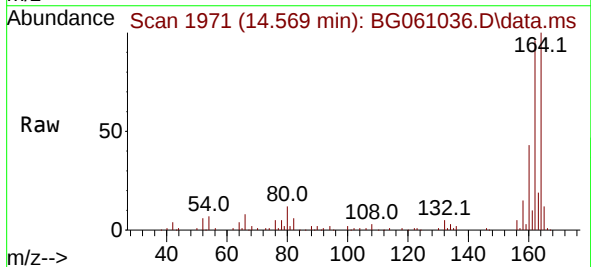


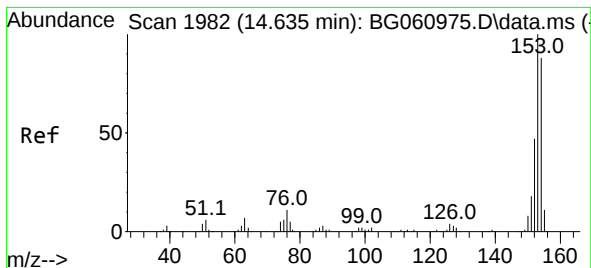
Tgt Ion:172 Resp: 42206
Ion Ratio Lower Upper
172 100
171 37.9 29.3 43.9
170 24.5 20.1 30.1



#51
2,6-Dinitrotoluene
Concen: 7.777 ng
RT: 14.569 min Scan# 1971
Delta R.T. 0.427 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

Tgt Ion:165 Resp: 12435
Ion Ratio Lower Upper
165 100
63 0.0 59.6 89.4#
89 2.2 49.4 74.0#





#52

Acenaphthene

Concen: 3.643 ng

RT: 14.634 min Scan# 1982

Delta R.T. -0.001 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

Instrument :

BNA_G

ClientSampleId :

SP-1CDL

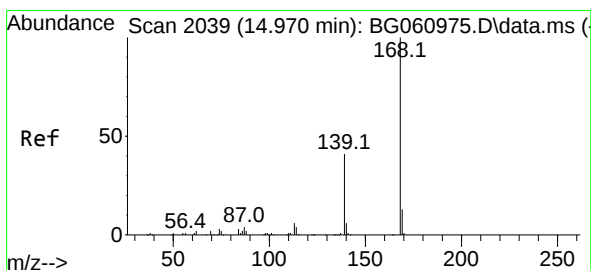
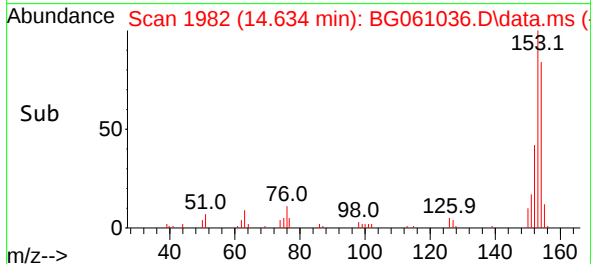
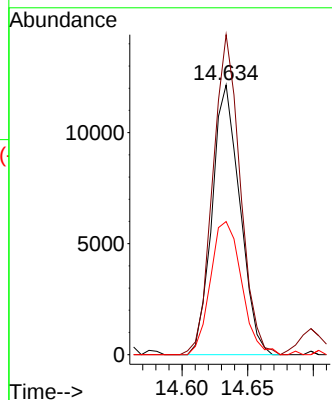
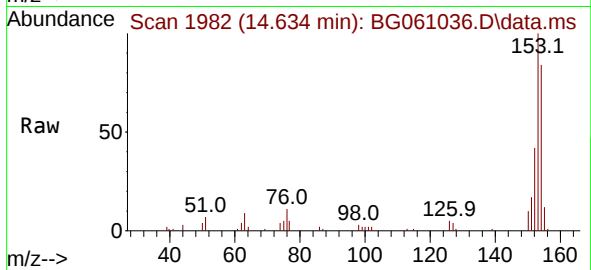
Tgt Ion:154 Resp: 17891

Ion Ratio Lower Upper

154 100

153 118.6 91.2 136.8

152 49.4 42.7 64.1



#55

Dibenzofuran

Concen: 2.154 ng

RT: 14.969 min Scan# 2039

Delta R.T. -0.001 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

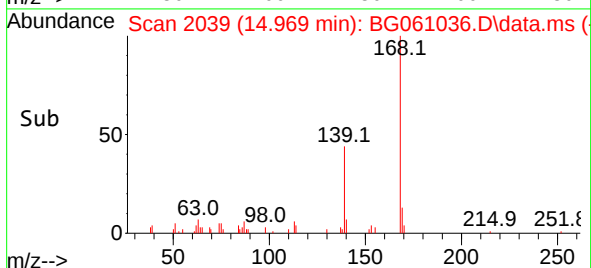
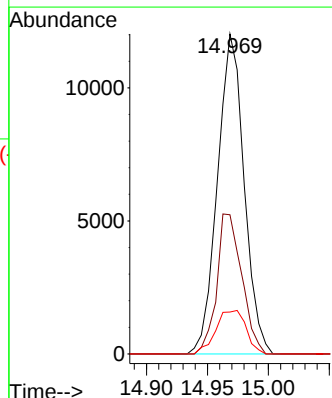
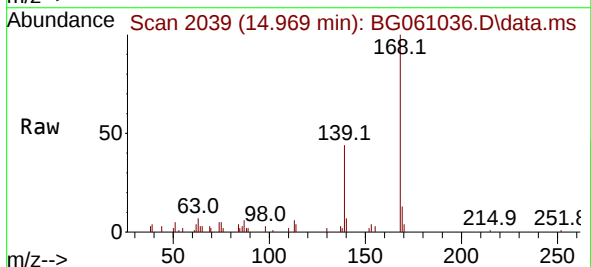
Tgt Ion:168 Resp: 18265

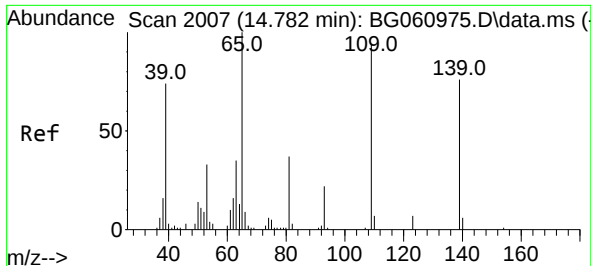
Ion Ratio Lower Upper

168 100

139 43.5 32.4 48.6

169 13.1 10.6 15.8

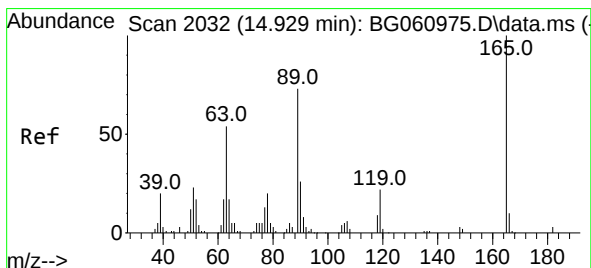
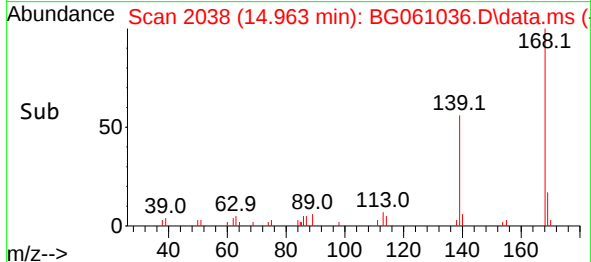
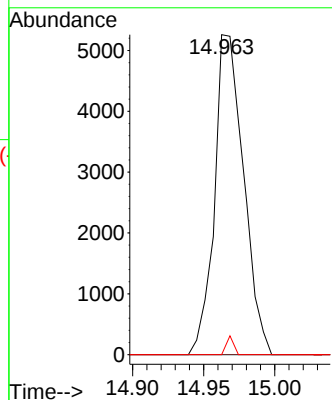
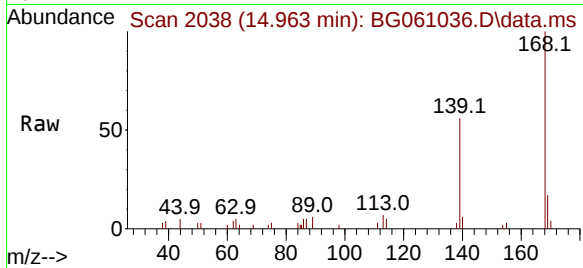




#56
4-Nitrophenol
Concen: 6.629 ng
RT: 14.963 min Scan# 2007
Delta R.T. 0.181 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

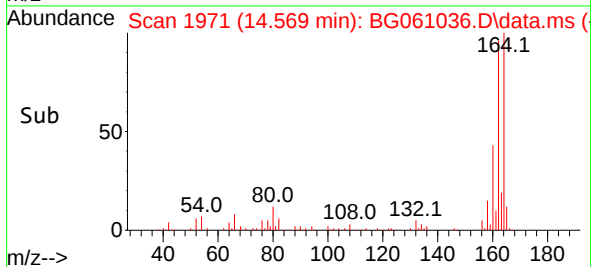
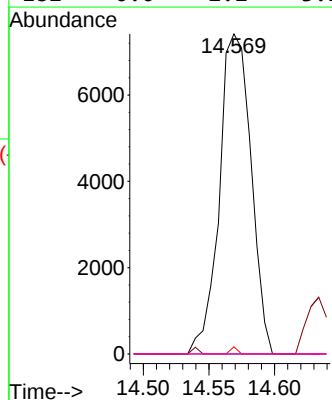
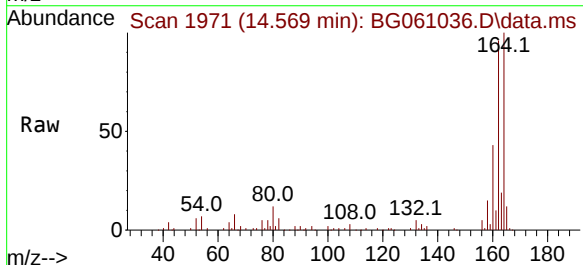
Instrument :
BNA_G
ClientSampleId :
SP-1CDL

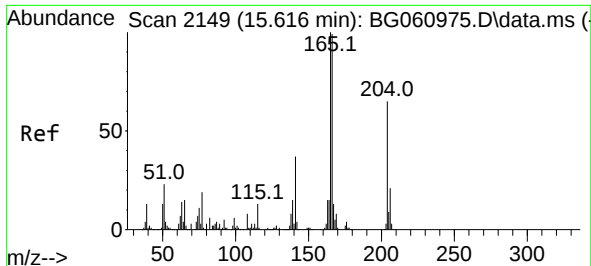
Tgt Ion:139 Resp: 7487
Ion Ratio Lower Upper
139 100
109 0.0 104.1 144.1#
65 0.0 112.0 152.0#



#57
2,4-Dinitrotoluene
Concen: 5.400 ng
RT: 14.569 min Scan# 1971
Delta R.T. -0.360 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

Tgt Ion:165 Resp: 12435
Ion Ratio Lower Upper
165 100
63 0.0 43.4 65.2#
89 2.2 58.4 87.6#
182 0.0 2.2 3.2#

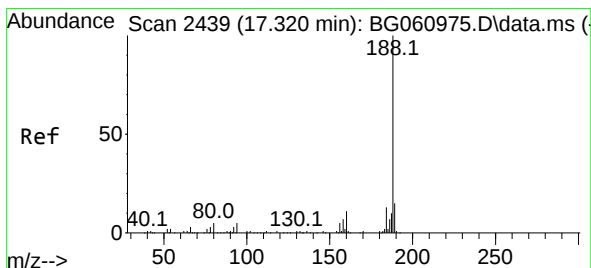
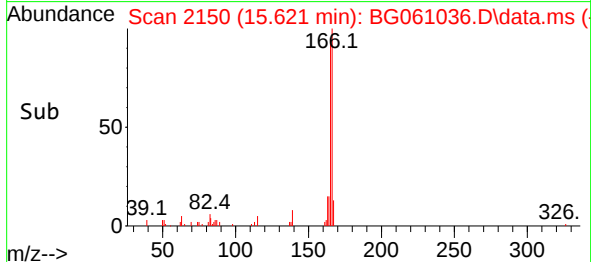
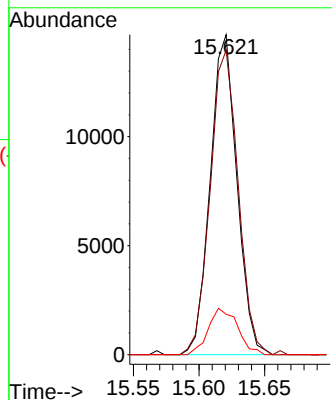
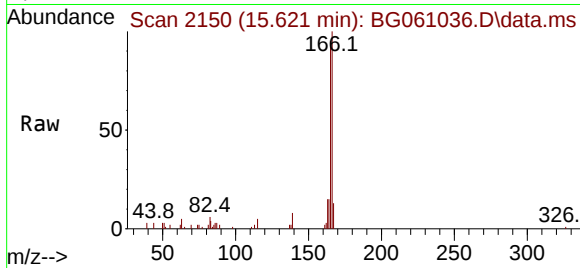




#58
Fluorene
Concen: 2.902 ng
RT: 15.621 min Scan# 2149
Delta R.T. 0.004 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

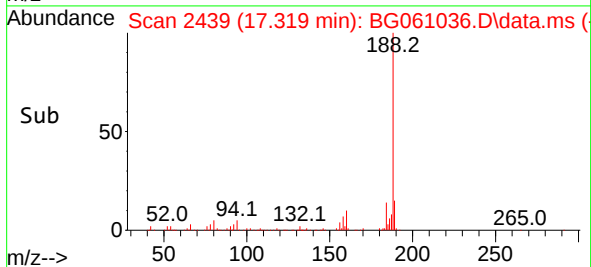
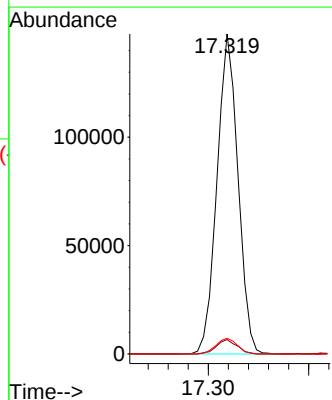
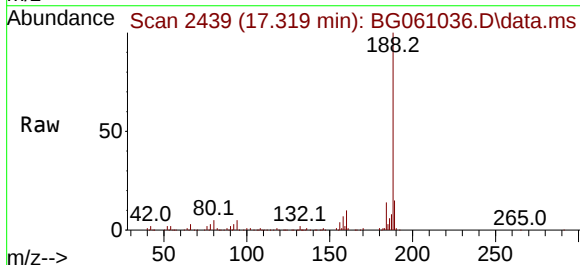
Instrument :
BNA_G
ClientSampleId :
SP-1CDL

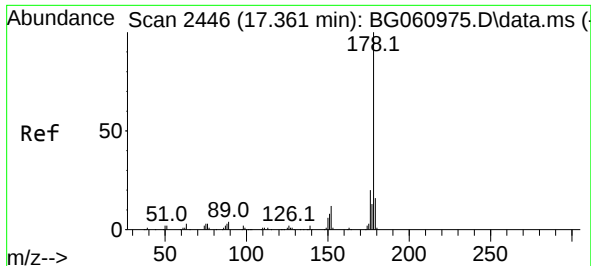
Tgt Ion:166 Resp: 20773
Ion Ratio Lower Upper
166 100
165 95.1 80.9 121.3
167 12.6 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.319 min Scan# 2439
Delta R.T. -0.001 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

Tgt Ion:188 Resp: 214675
Ion Ratio Lower Upper
188 100
94 4.5 4.1 6.1
80 4.9 4.0 6.0

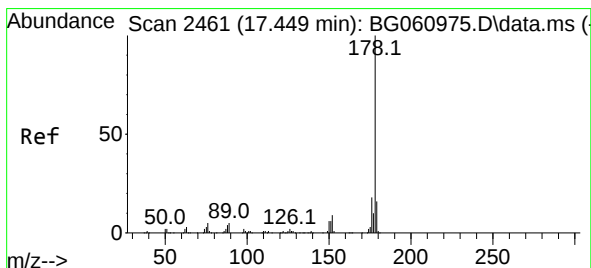
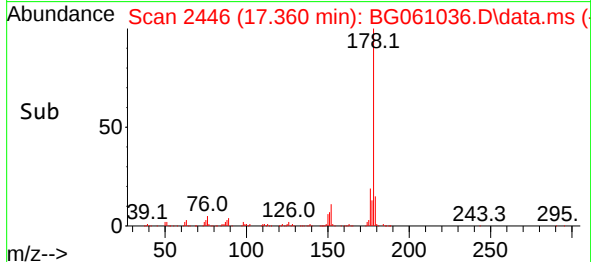
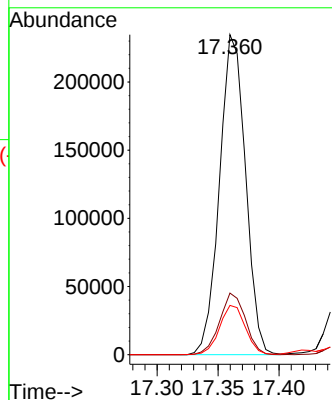
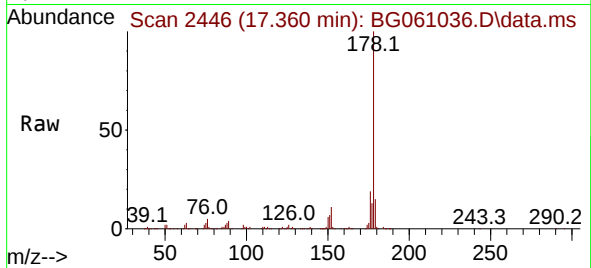




#71
Phenanthrene
Concen: 31.781 ng
RT: 17.360 min Scan# 2446
Delta R.T. -0.001 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

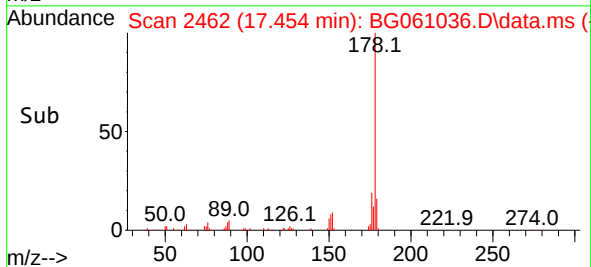
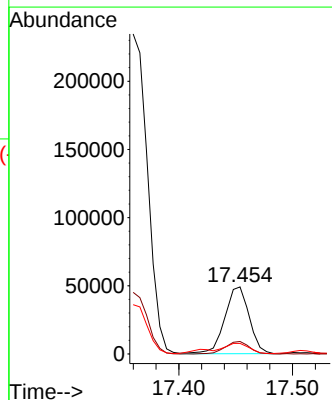
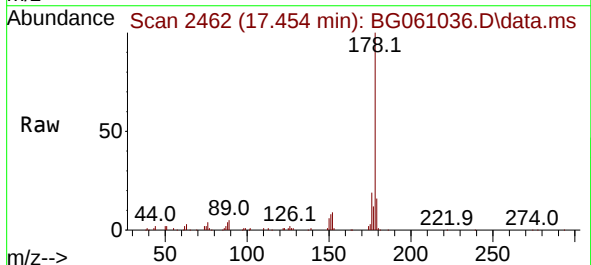
Instrument :
BNA_G
ClientSampleId :
SP-1CDL

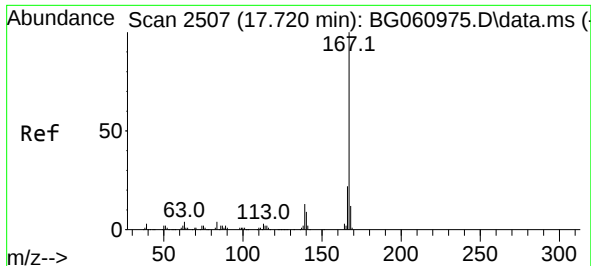
Tgt Ion:178 Resp: 348242
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 15.4 12.5 18.7



#72
Anthracene
Concen: 6.479 ng
RT: 17.454 min Scan# 2462
Delta R.T. 0.004 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

Tgt Ion:178 Resp: 73119
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 15.7 12.4 18.6

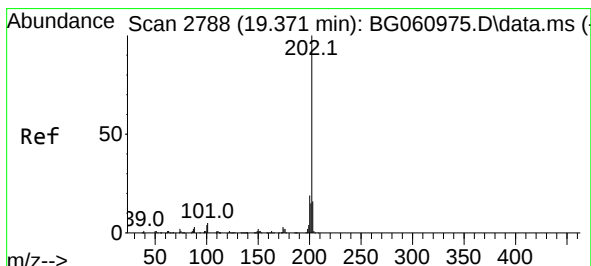
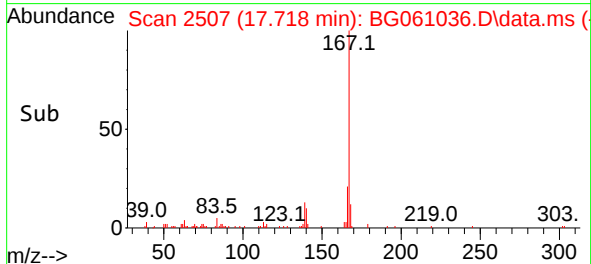
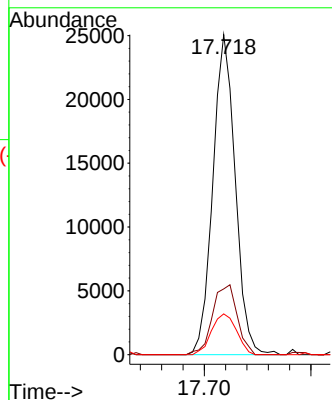
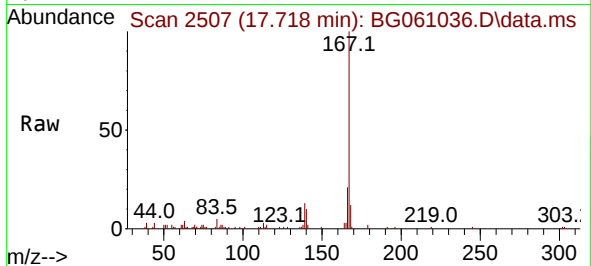




#73
 Carbazole
 Concen: 3.900 ng
 RT: 17.718 min Scan# 2507
 Delta R.T. -0.001 min
 Lab File: BG061036.D
 Acq: 25 Apr 2024 13:44

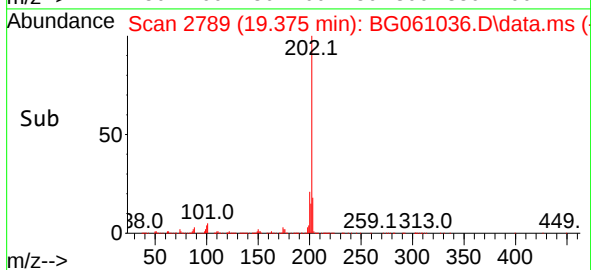
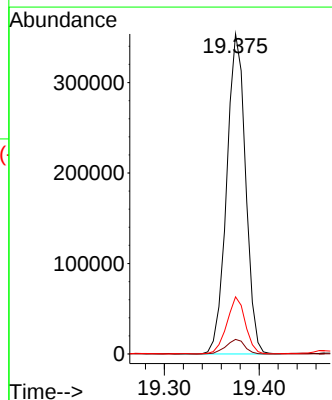
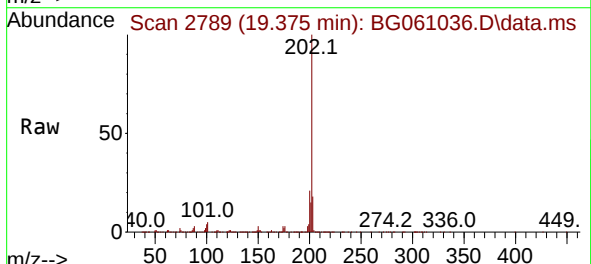
Instrument :
 BNA_G
 ClientSampleId :
 SP-1CDL

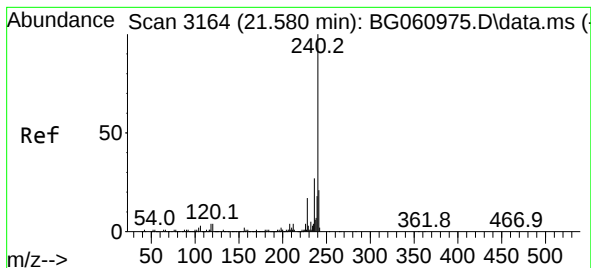
Tgt Ion:167 Resp: 36557
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.8 26.8
 139 12.8 10.2 15.2



#75
 Fluoranthene
 Concen: 33.748 ng
 RT: 19.375 min Scan# 2789
 Delta R.T. 0.004 min
 Lab File: BG061036.D
 Acq: 25 Apr 2024 13:44

Tgt Ion:202 Resp: 490768
 Ion Ratio Lower Upper
 202 100
 101 4.5 0.0 24.9
 203 17.8 0.0 36.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.578 min Scan# 31

Delta R.T. -0.001 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

Instrument :

BNA_G

ClientSampleId :

SP-1CDL

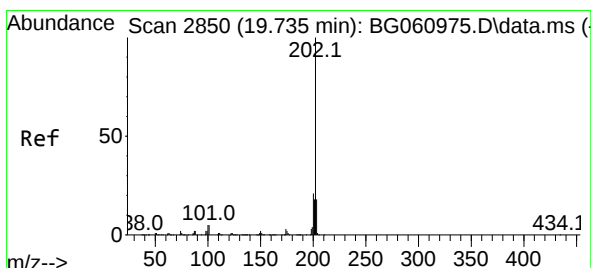
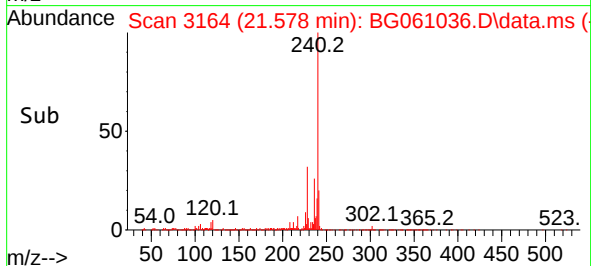
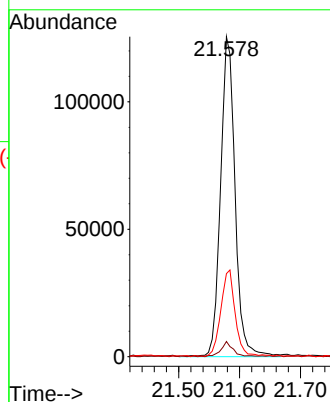
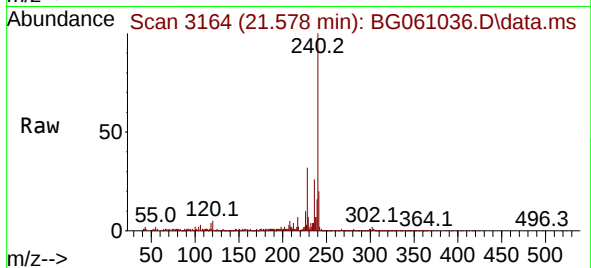
Tgt Ion:240 Resp: 207965

Ion Ratio Lower Upper

240 100

120 4.8 3.0 4.6#

236 26.0 21.8 32.6



#78

Pyrene

Concen: 29.289 ng

RT: 19.739 min Scan# 2851

Delta R.T. 0.004 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

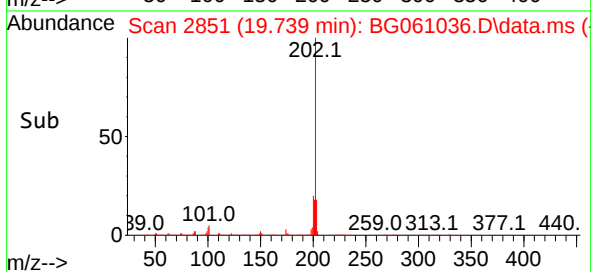
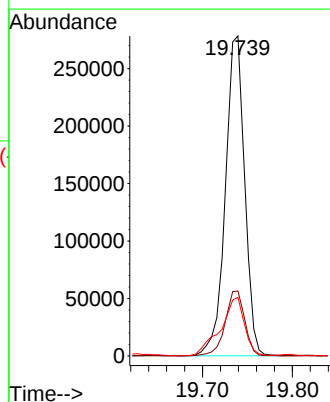
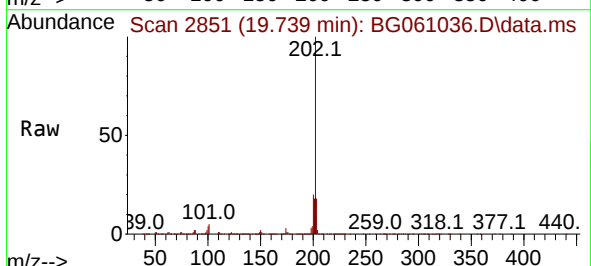
Tgt Ion:202 Resp: 414737

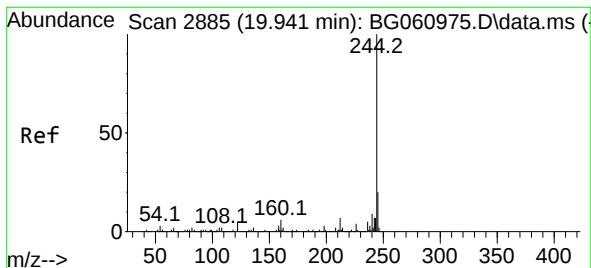
Ion Ratio Lower Upper

202 100

200 20.3 16.8 25.2

203 18.3 14.2 21.2





#79

Terphenyl-d14

Concen: 5.727 ng

RT: 19.939 min Scan# 2

Delta R.T. -0.001 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

Instrument :

BNA_G

ClientSampleId :

SP-1CDL

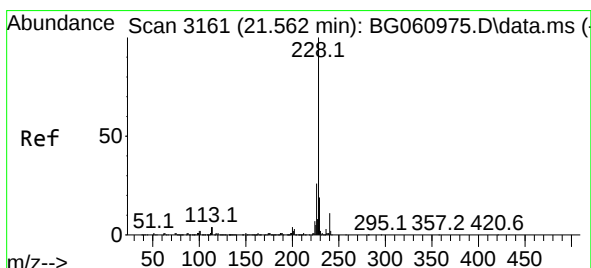
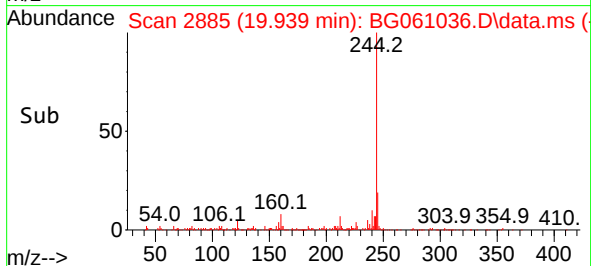
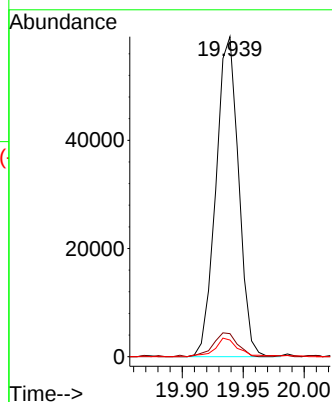
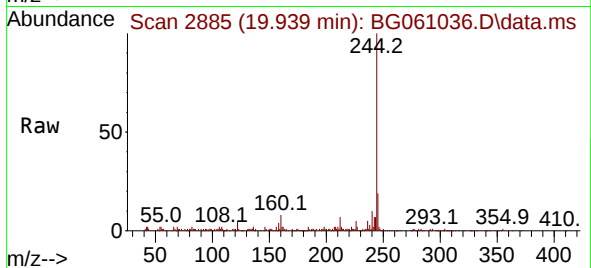
Tgt Ion:244 Resp: 76735

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

122 5.2 4.2 6.2



#81

Benzo(a)anthracene

Concen: 13.944 ng

RT: 21.561 min Scan# 3161

Delta R.T. -0.001 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

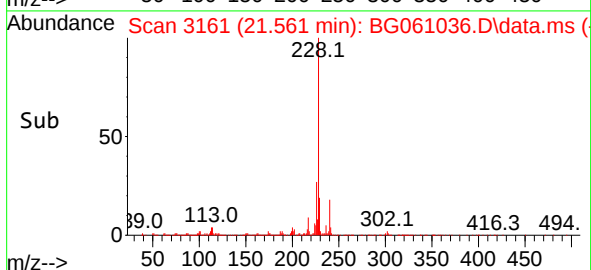
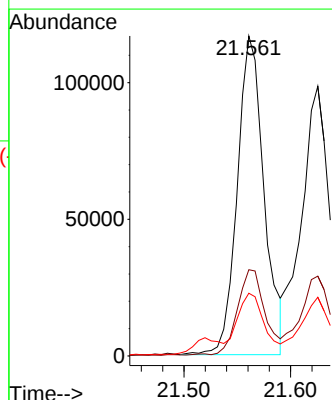
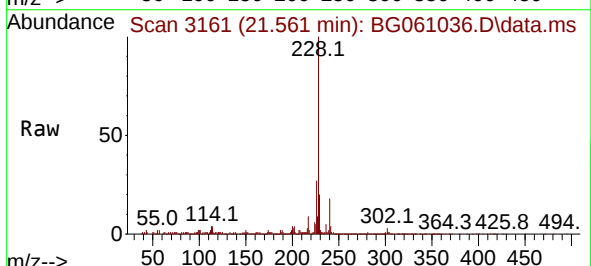
Tgt Ion:228 Resp: 203881

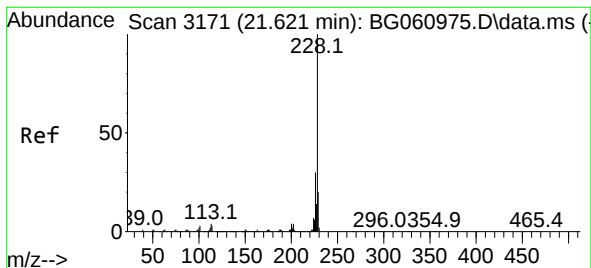
Ion Ratio Lower Upper

228 100

226 26.9 21.0 31.4

229 19.6 15.0 22.4





#83

Chrysene

Concen: 13.267 ng

RT: 21.625 min Scan# 31

Delta R.T. 0.004 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

Instrument :

BNA_G

ClientSampleId :

SP-1CDL

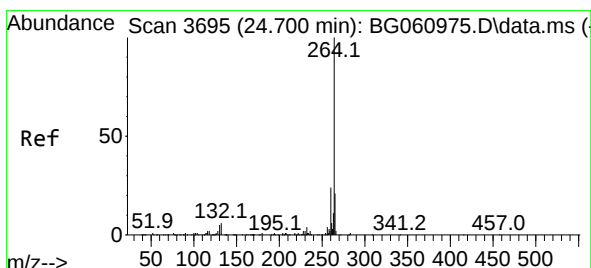
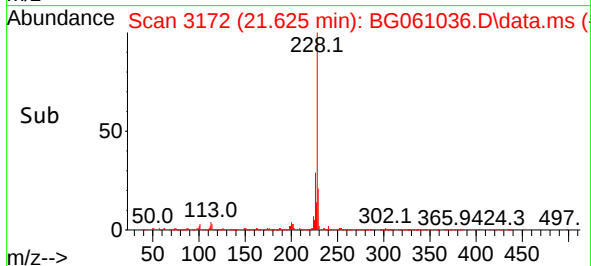
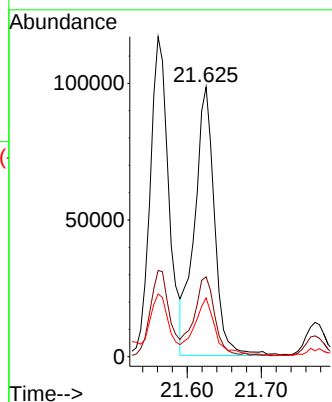
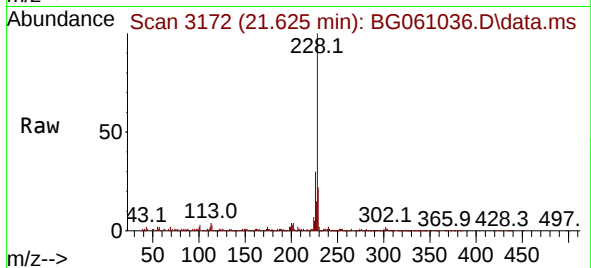
Tgt Ion:228 Resp: 184682

Ion Ratio Lower Upper

228 100

226 29.6 24.2 36.2

229 21.7 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.710 min Scan# 3697

Delta R.T. 0.010 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

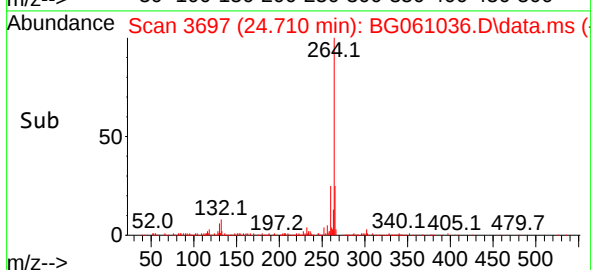
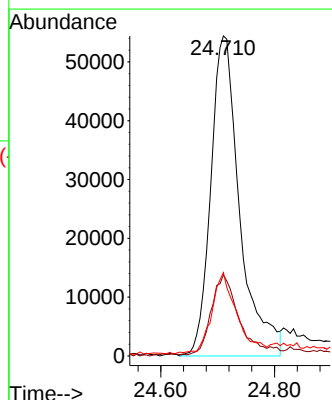
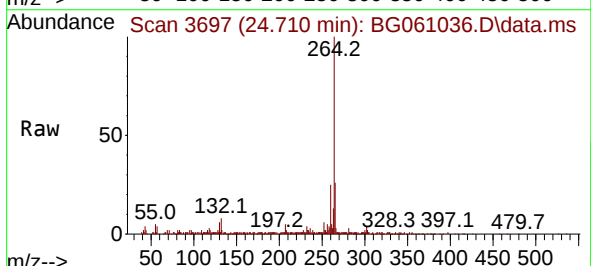
Tgt Ion:264 Resp: 192618

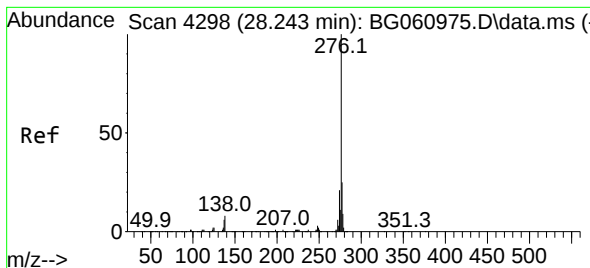
Ion Ratio Lower Upper

264 100

260 25.3 19.4 29.2

265 26.0 17.0 25.4#





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.234 ng

RT: 28.253 min Scan# 41

Delta R.T. 0.010 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

Instrument :

BNA_G

ClientSampleId :

SP-1CDL

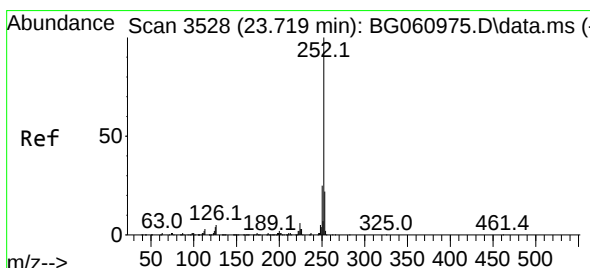
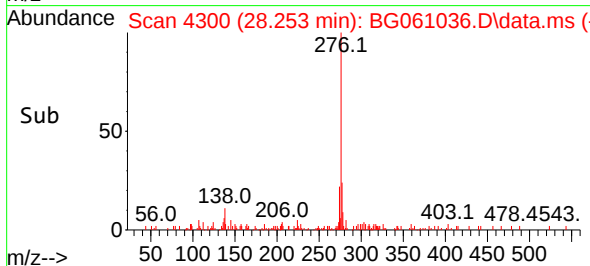
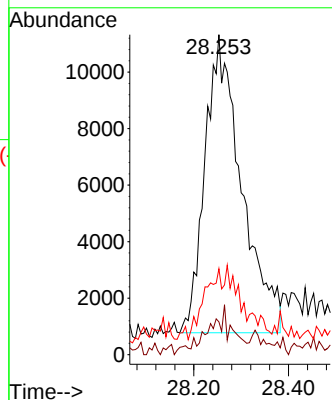
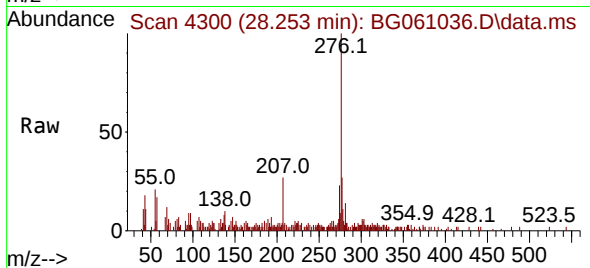
Tgt Ion:276 Resp: 56573

Ion Ratio Lower Upper

276 100

138 4.1 5.3 7.9#

277 11.2 20.6 30.8#



#88

Benzo(b)fluoranthene

Concen: 17.500 ng

RT: 23.729 min Scan# 3530

Delta R.T. 0.010 min

Lab File: BG061036.D

Acq: 25 Apr 2024 13:44

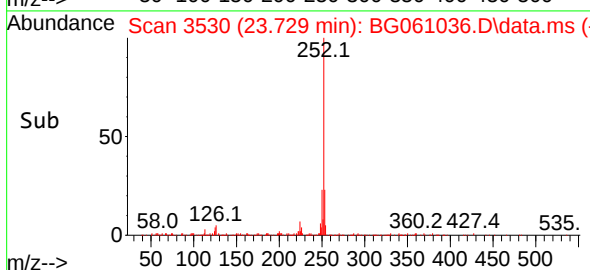
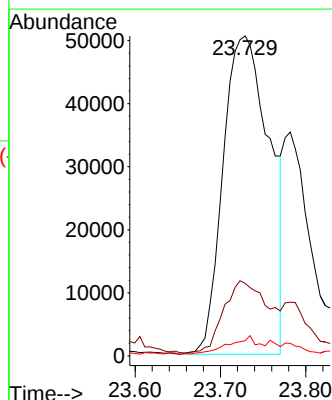
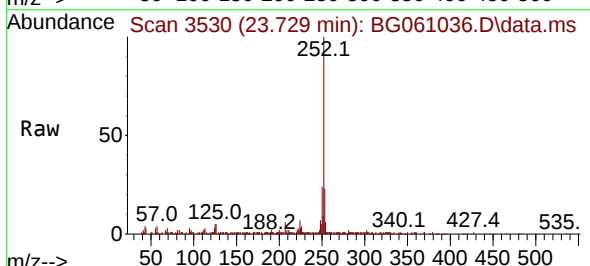
Tgt Ion:252 Resp: 191017

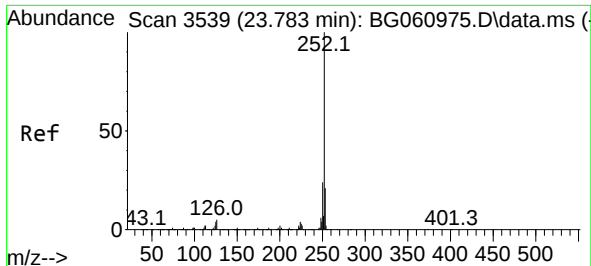
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 4.8 3.3 4.9

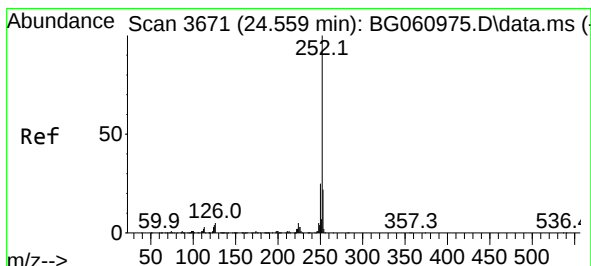
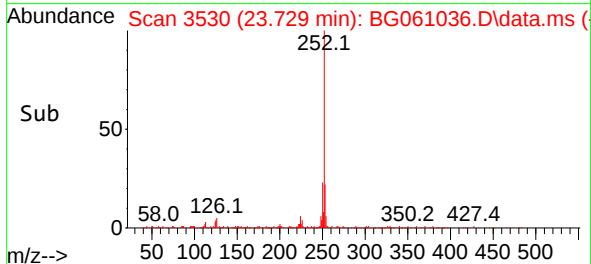
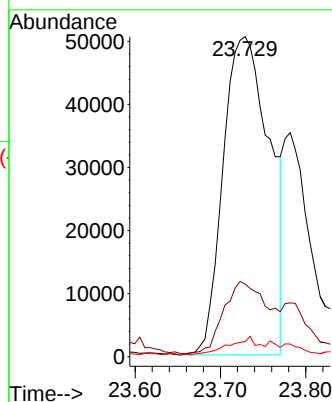
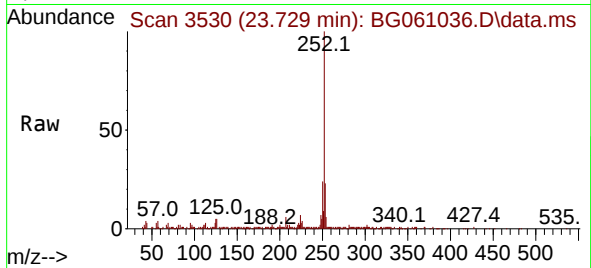




#89
Benzo(k)fluoranthene
Concen: 17.335 ng
RT: 23.729 min Scan# 3530
Delta R.T. -0.054 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

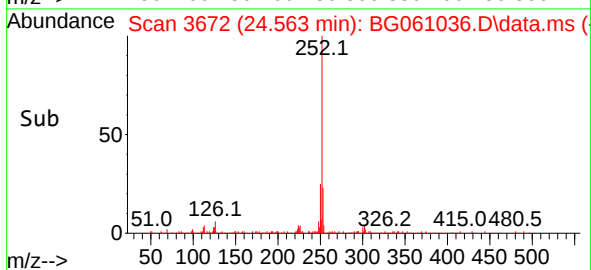
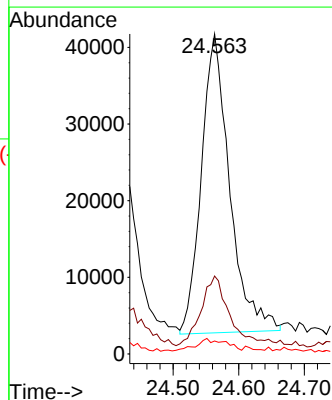
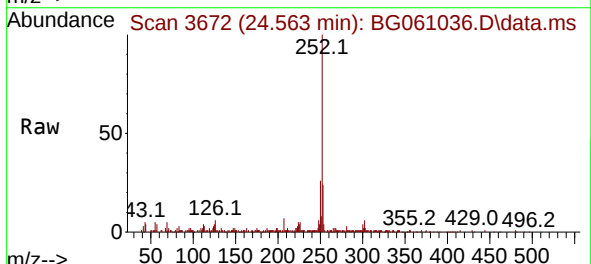
Instrument :
BNA_G
ClientSampleId :
SP-1CDL

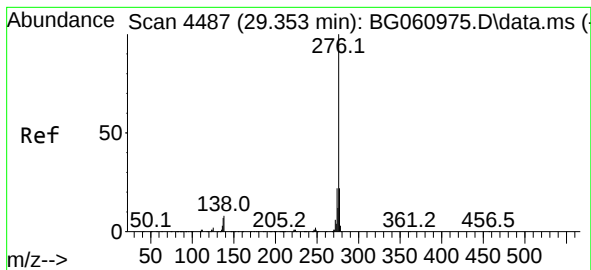
Tgt Ion:252 Resp: 191017
Ion Ratio Lower Upper
252 100
253 22.7 16.6 25.0
125 4.8 3.3 4.9



#90
Benzo(a)pyrene
Concen: 11.061 ng
RT: 24.563 min Scan# 3672
Delta R.T. 0.004 min
Lab File: BG061036.D
Acq: 25 Apr 2024 13:44

Tgt Ion:252 Resp: 116868
Ion Ratio Lower Upper
252 100
253 24.4 17.7 26.5
125 4.0 3.6 5.4





#92

Benzo(g,h,i)perylene

Concen: 4.928 ng

RT: 29.363 min Scan# 44

Delta R.T. 0.010 min

Lab File: BG061036.D

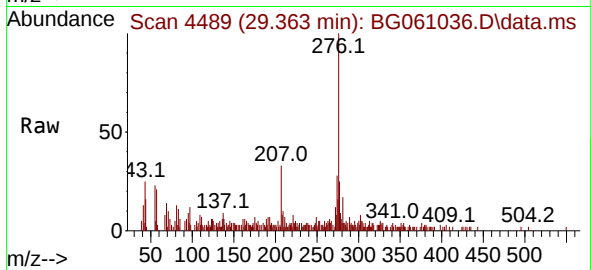
Acq: 25 Apr 2024 13:44

Instrument :

BNA_G

ClientSampleId :

SP-1CDL



Tgt Ion: 276 Resp: 53347

Ion Ratio Lower Upper

276 100

277 25.0 18.0 27.0

138 9.2 6.5 9.7

