

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042524\
 Data File : BG061034.D
 Acq On : 25 Apr 2024 12:22
 Operator : MA/JU
 Sample : P2127-01DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-FRONTDL

Quant Time: Apr 25 13:06:37 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)

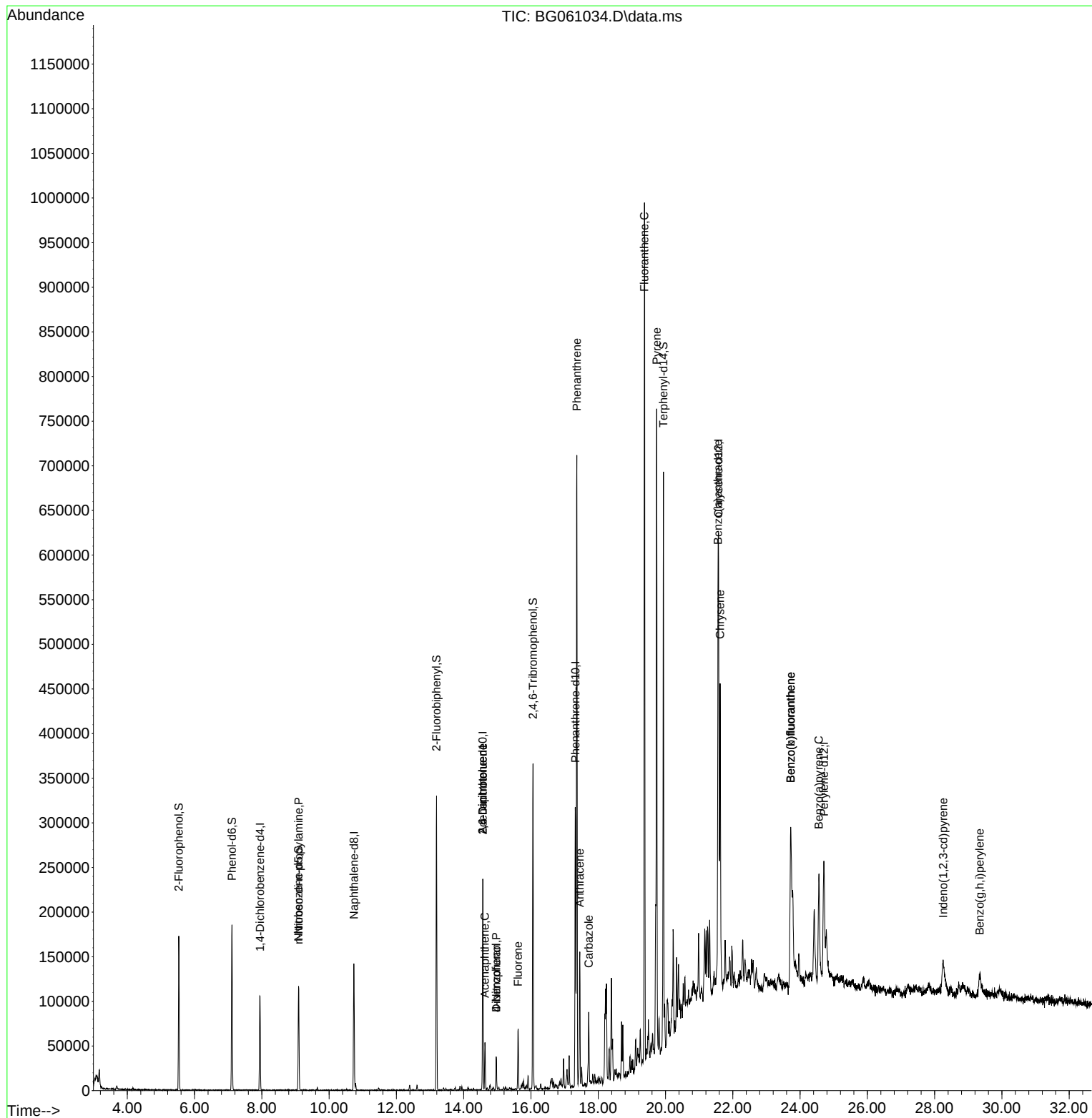
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	28969	20.000	ng	0.00
21) Naphthalene-d8	10.737	136	111850	20.000	ng	# 0.00
39) Acenaphthene-d10	14.567	164	85633	20.000	ng	0.00
64) Phenanthrene-d10	17.317	188	209024	20.000	ng	0.00
76) Chrysene-d12	21.577	240	196144	20.000	ng	0.00
86) Perylene-d12	24.708	264	192096	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.531	112	61587	43.003	ng	0.00
7) Phenol-d6	7.111	99	83179	39.144	ng	0.00
23) Nitrobenzene-d5	9.091	82	60068	24.129	ng	0.00
42) 2,4,6-Tribromophenol	16.060	330	76128	40.484	ng	0.00
45) 2-Fluorobiphenyl	13.192	172	166445	26.901	ng	0.00
79) Terphenyl-d14	19.938	244	313510	24.810	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.097	70	8894	5.616	ng	# 76
51) 2,6-Dinitrotoluene	14.567	165	11985	8.134	ng	# 17
52) Acenaphthene	14.632	154	18988	4.195	ng	96
55) Dibenzofuran	14.967	168	20606	2.637	ng	# 89
56) 4-Nitrophenol	14.967	139	8692	8.351	ng	# 1
57) 2,4-Dinitrotoluene	14.567	165	11985	5.648	ng	# 21
58) Fluorene	15.613	166	29893	4.532	ng	92
71) Phenanthrene	17.364	178	453321	42.489	ng	98
72) Anthracene	17.452	178	100149	9.114	ng	100
73) Carbazole	17.717	167	52536	5.757	ng	97
75) Fluoranthene	19.373	202	641820	45.328	ng	97
78) Pyrene	19.738	202	499398	37.393	ng	99
81) Benzo(a)anthracene	21.559	228	279269	20.251	ng	96
83) Chrysene	21.624	228	255743	19.479	ng	96
87) Indeno(1,2,3-cd)pyrene	28.257	276	86838	6.517	ng	# 86
88) Benzo(b)fluoranthene	23.721	252	254368	23.367	ng	100
89) Benzo(k)fluoranthene	23.721	252	254368	23.147	ng	98
90) Benzo(a)pyrene	24.562	252	162565	15.428	ng	95
92) Benzo(g,h,i)perylene	29.338	276	28212	2.613	ng	# 92

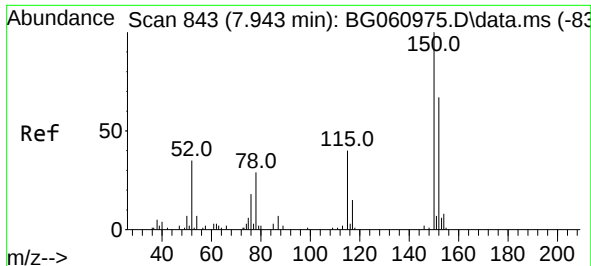
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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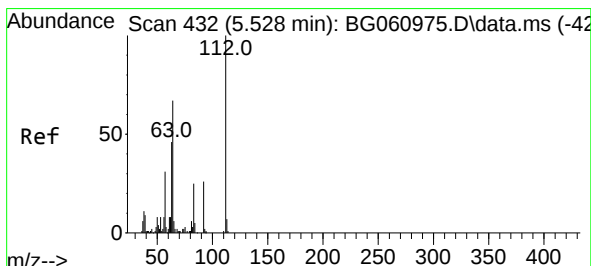
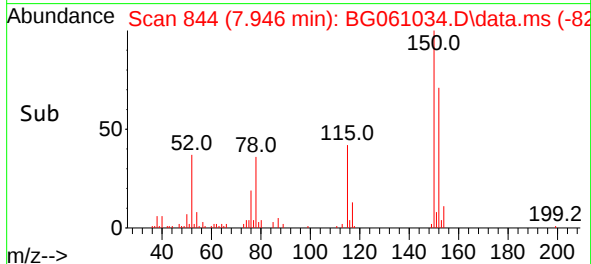
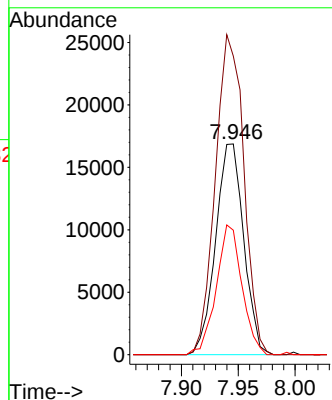
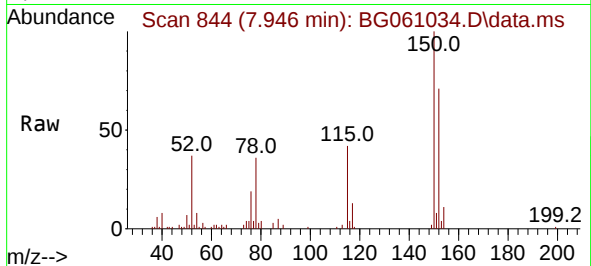




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.946 min Scan# 84
Delta R.T. 0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

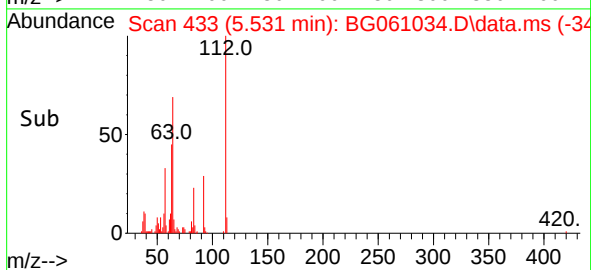
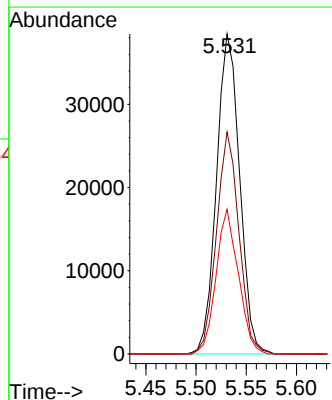
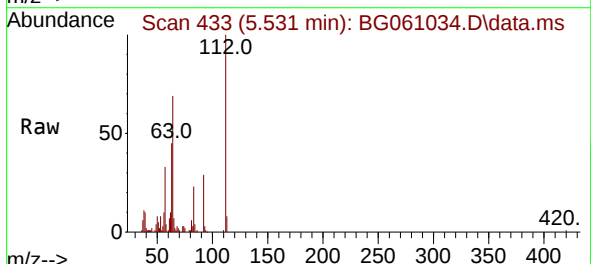
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONTDL

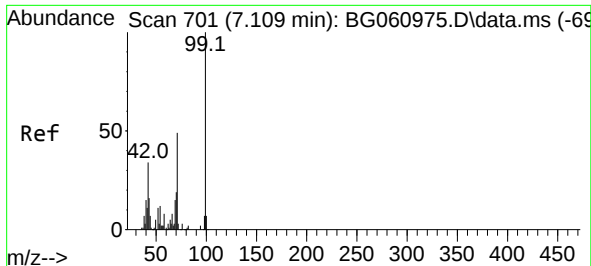
Tgt Ion:152 Resp: 28969
Ion Ratio Lower Upper
152 100
150 141.7 118.6 178.0
115 59.1 47.4 71.0



#5
2-Fluorophenol
Concen: 43.003 ng
RT: 5.531 min Scan# 433
Delta R.T. 0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

Tgt Ion:112 Resp: 61587
Ion Ratio Lower Upper
112 100
64 69.3 53.7 80.5
63 45.2 37.0 55.6

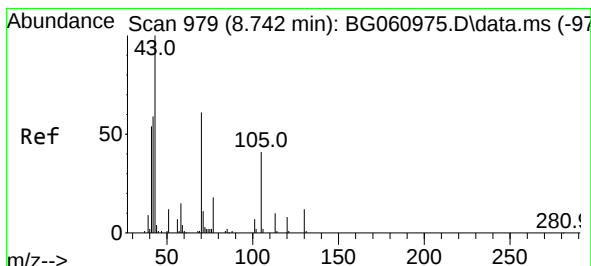
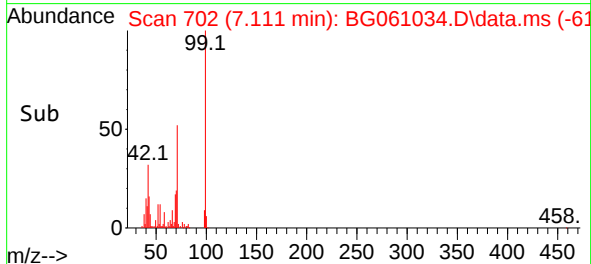
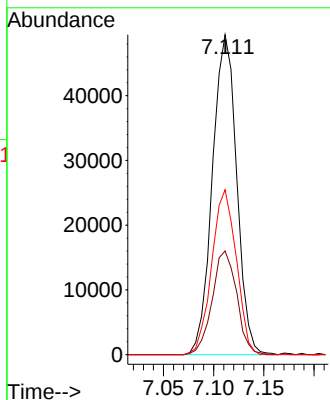
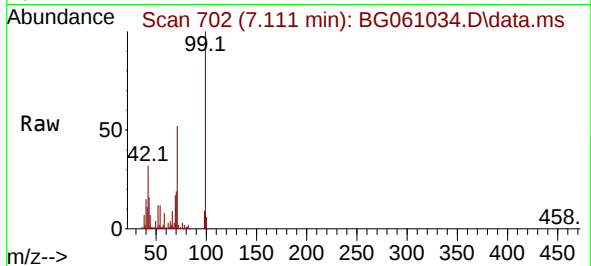




#7
Phenol-d6
Concen: 39.144 ng
RT: 7.111 min Scan# 701
Delta R.T. 0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

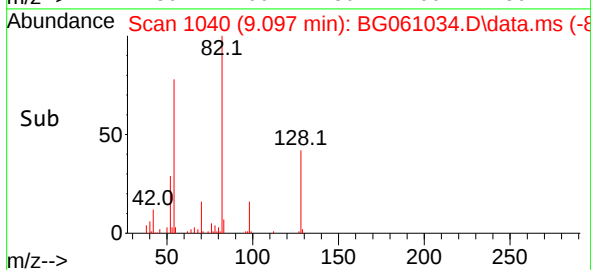
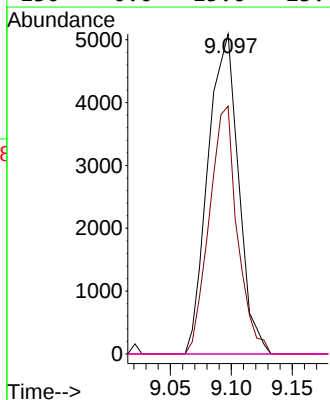
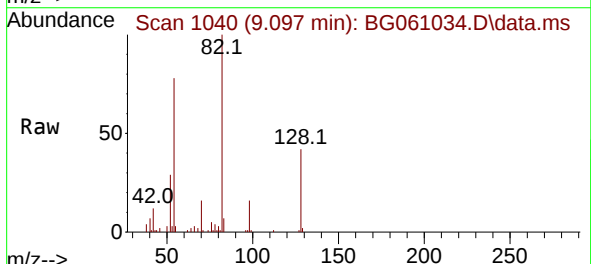
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONTDL

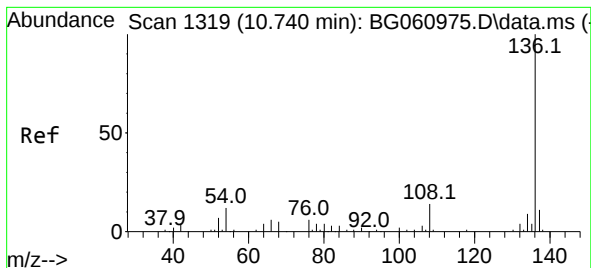
Tgt Ion: 99 Resp: 83179
Ion Ratio Lower Upper
99 100
42 32.4 27.2 40.8
71 51.6 38.8 58.2



#19
n-Nitroso-di-n-propylamine
Concen: 5.616 ng
RT: 9.097 min Scan# 1040
Delta R.T. 0.355 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

Tgt Ion: 70 Resp: 8894
Ion Ratio Lower Upper
70 100
42 77.4 78.0 117.0#
101 0.0 8.6 13.0#
130 0.0 15.6 23.4#

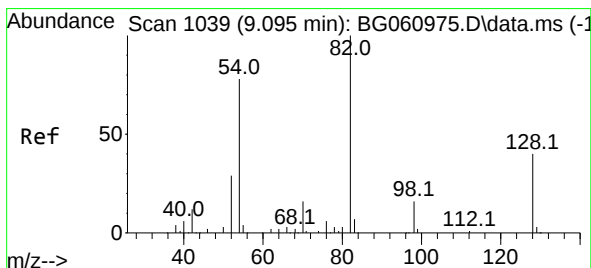
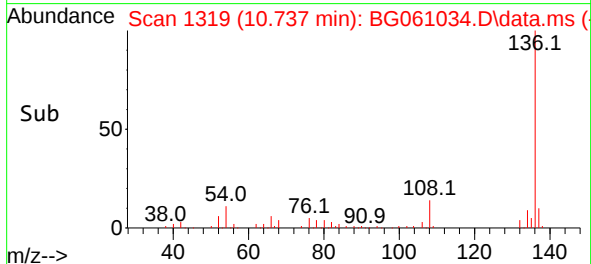
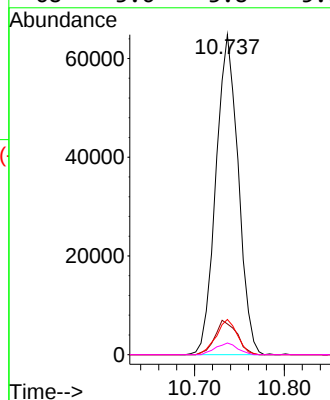
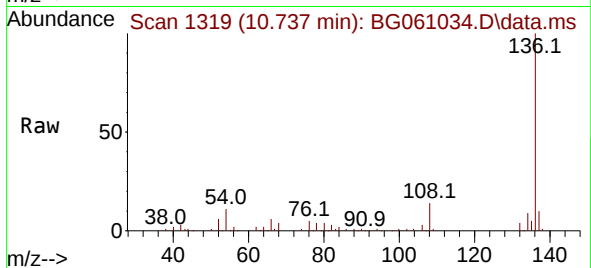




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.737 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

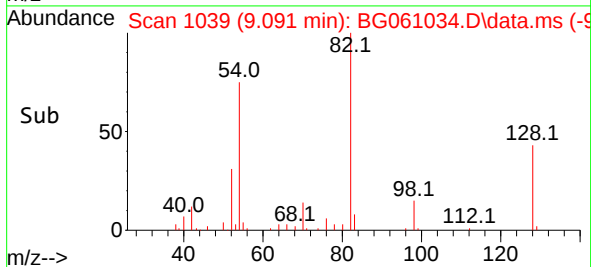
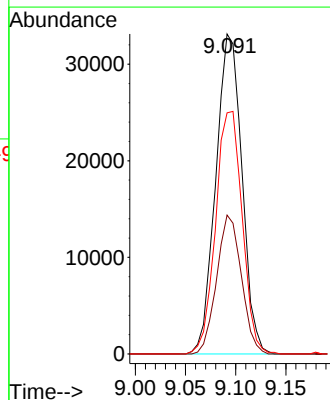
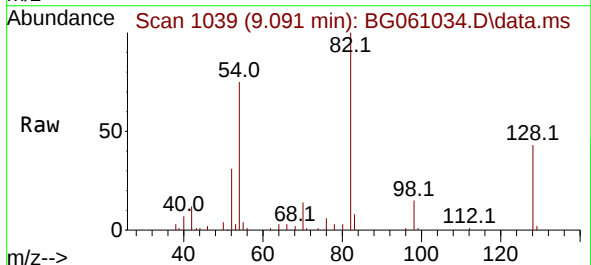
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONTDL

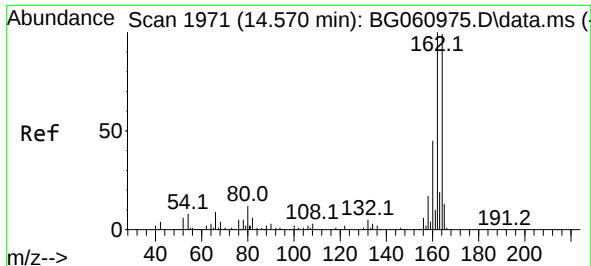
Tgt Ion:136 Resp: 111850
Ion Ratio Lower Upper
136 100
137 9.6 8.5 12.7
54 11.0 9.4 14.0
68 3.6 3.8 5.6#



#23
Nitrobenzene-d5
Concen: 24.129 ng
RT: 9.091 min Scan# 1039
Delta R.T. -0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

Tgt Ion: 82 Resp: 60068
Ion Ratio Lower Upper
82 100
128 43.4 32.1 48.1
54 75.4 62.3 93.5

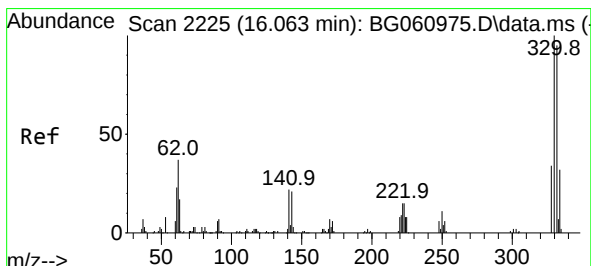
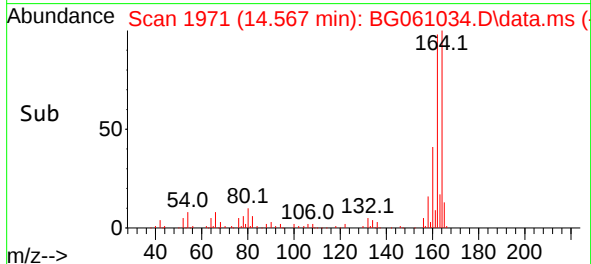
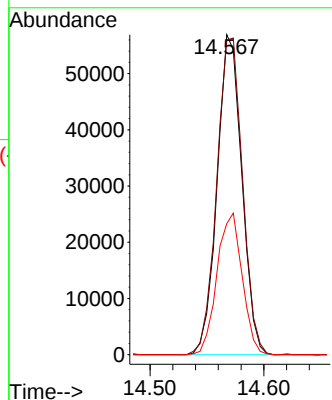
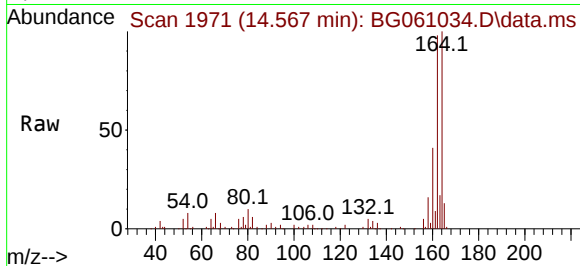




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.567 min Scan# 1971
Delta R.T. -0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

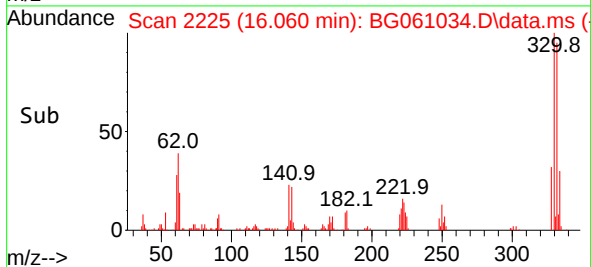
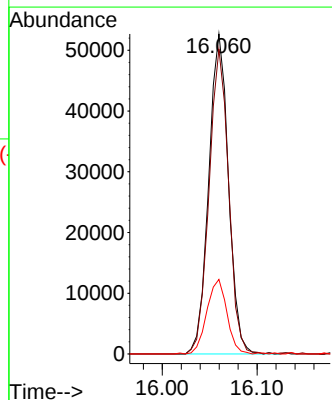
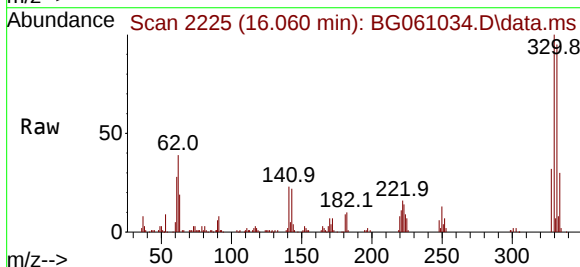
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONTDL

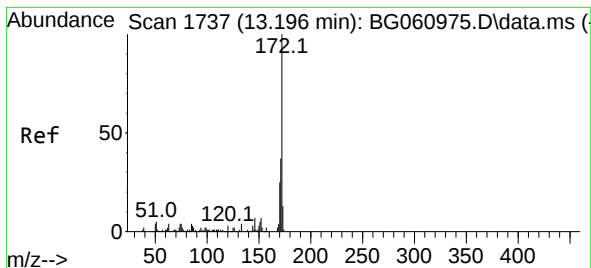
Tgt Ion:164 Resp: 85633
Ion Ratio Lower Upper
164 100
162 98.3 81.2 121.8
160 40.9 36.2 54.2



#42
2,4,6-Tribromophenol
Concen: 40.484 ng
RT: 16.060 min Scan# 2225
Delta R.T. -0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

Tgt Ion:330 Resp: 76128
Ion Ratio Lower Upper
330 100
332 94.4 77.1 115.7
141 23.8 20.6 31.0





#45

2-Fluorobiphenyl

Concen: 26.901 ng

RT: 13.192 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONTDL

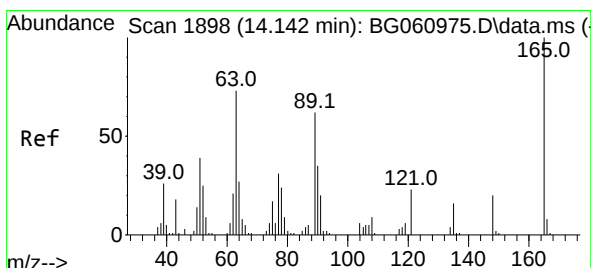
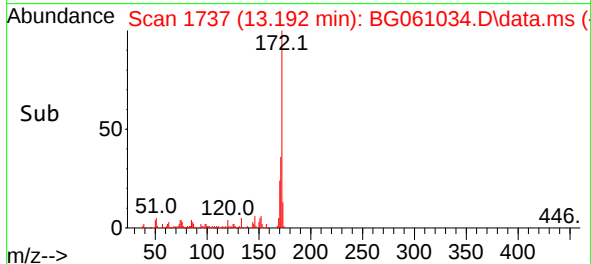
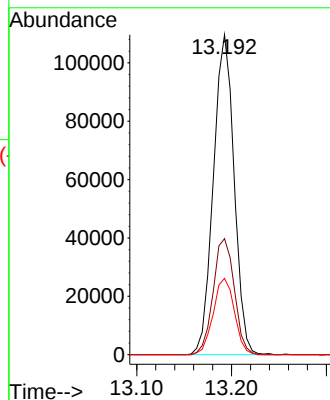
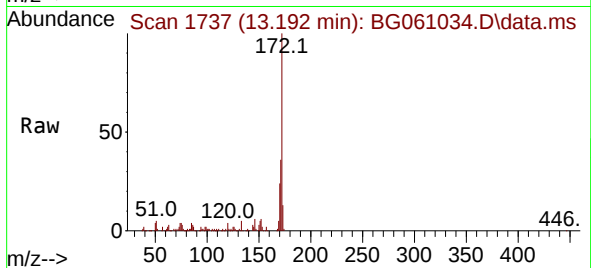
Tgt Ion:172 Resp: 166445

Ion Ratio Lower Upper

172 100

171 36.2 29.3 43.9

170 23.9 20.1 30.1



#51

2,6-Dinitrotoluene

Concen: 8.134 ng

RT: 14.567 min Scan# 1971

Delta R.T. 0.426 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

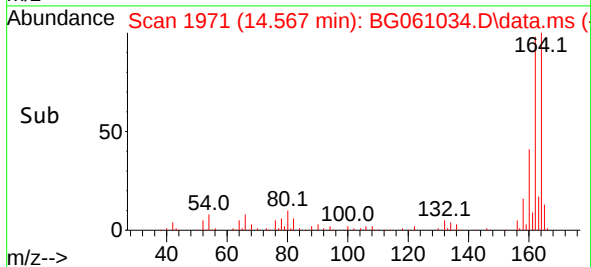
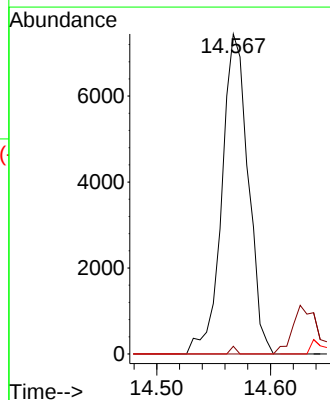
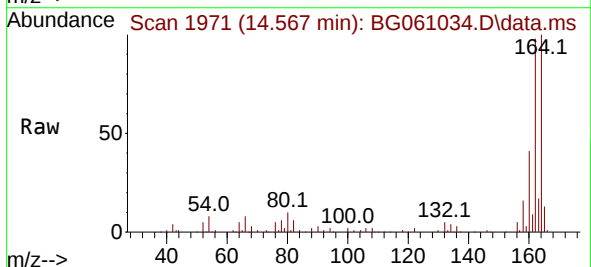
Tgt Ion:165 Resp: 11985

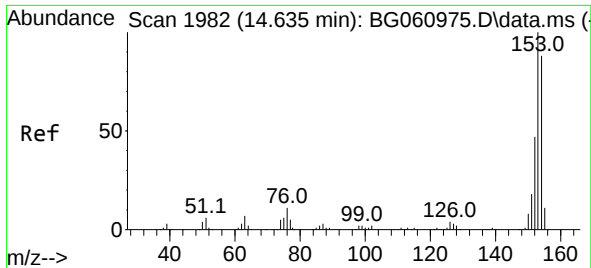
Ion Ratio Lower Upper

165 100

63 2.4 59.6 89.4#

89 0.0 49.4 74.0#

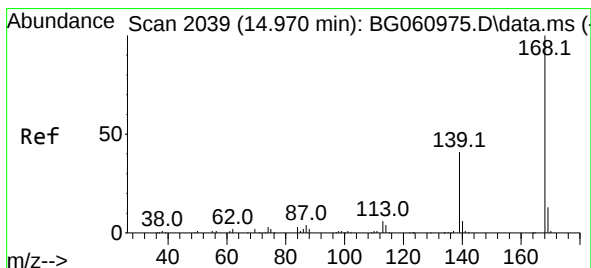
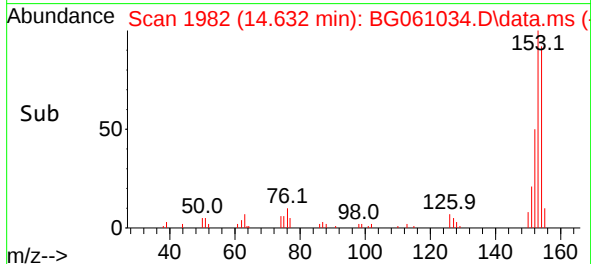
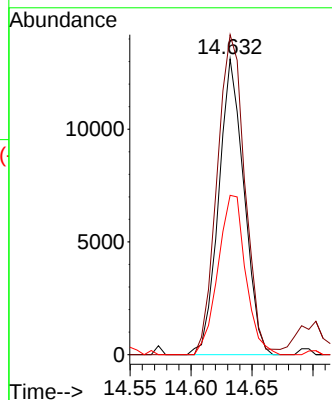
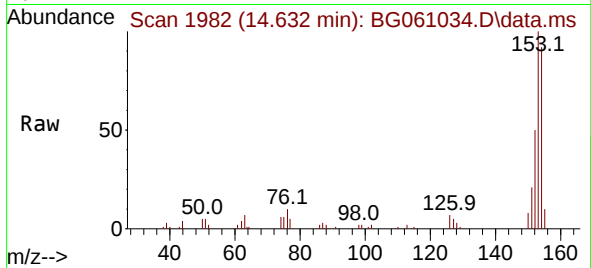




#52
Acenaphthene
Concen: 4.195 ng
RT: 14.632 min Scan# 1982
Delta R.T. -0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

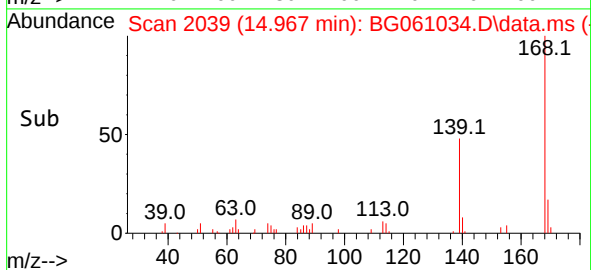
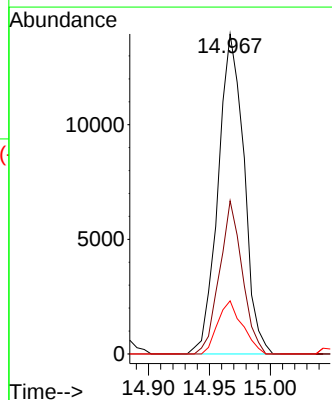
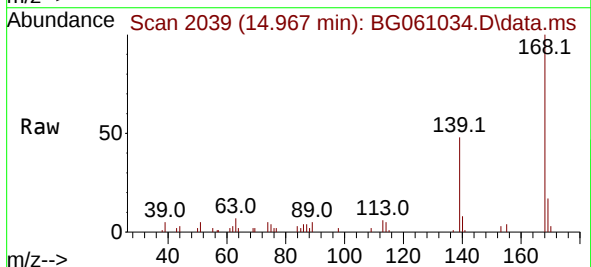
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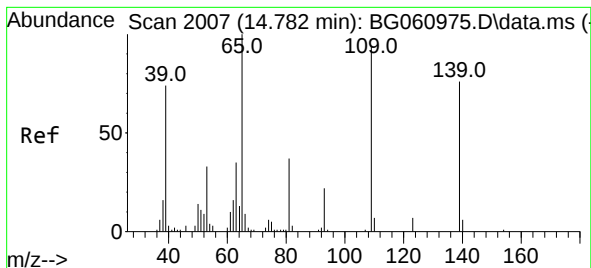
Tgt Ion:154 Resp: 18988
Ion Ratio Lower Upper
154 100
153 108.2 91.2 136.8
152 53.9 42.7 64.1



#55
Dibenzofuran
Concen: 2.637 ng
RT: 14.967 min Scan# 2039
Delta R.T. -0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

Tgt Ion:168 Resp: 20606
Ion Ratio Lower Upper
168 100
139 47.8 32.4 48.6
169 16.6 10.6 15.8#

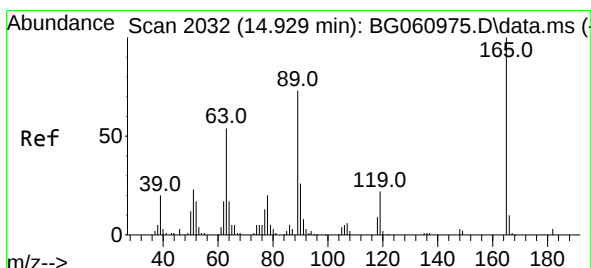
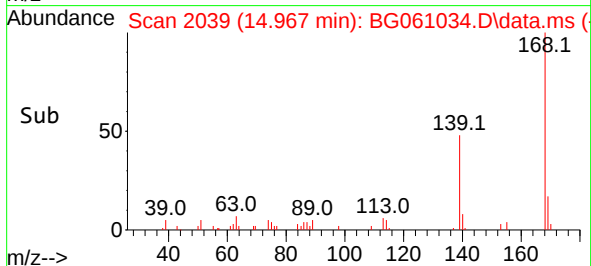
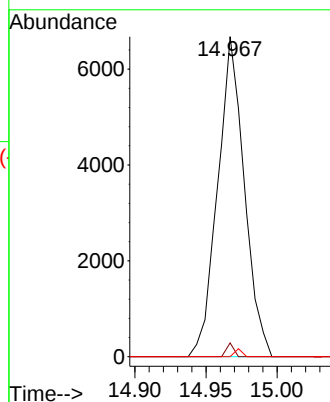
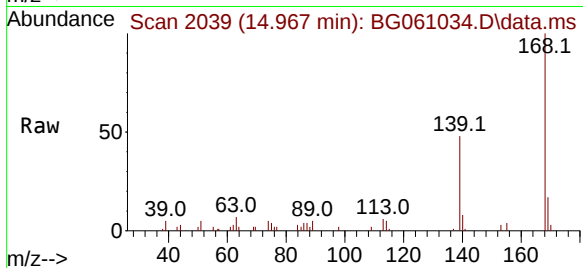




#56
4-Nitrophenol
Concen: 8.351 ng
RT: 14.967 min Scan# 20
Delta R.T. 0.185 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

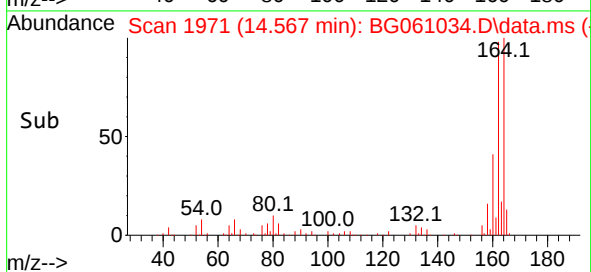
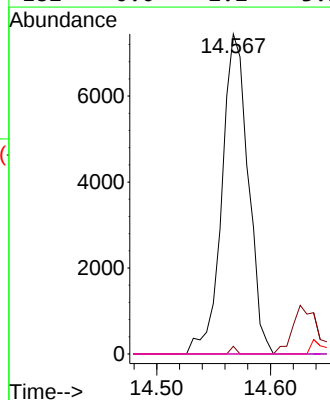
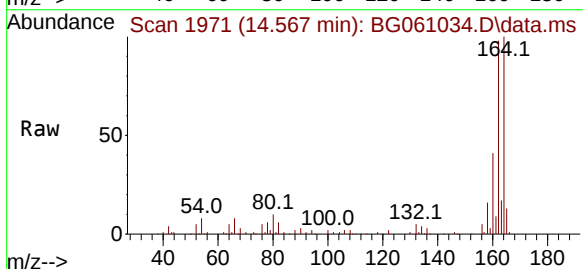
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONTDL

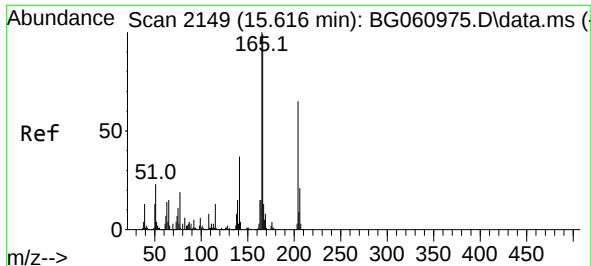
Tgt Ion:139 Resp: 8692
Ion Ratio Lower Upper
139 100
109 4.3 104.1 144.1#
65 0.0 112.0 152.0#



#57
2,4-Dinitrotoluene
Concen: 5.648 ng
RT: 14.567 min Scan# 1971
Delta R.T. -0.361 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

Tgt Ion:165 Resp: 11985
Ion Ratio Lower Upper
165 100
63 2.4 43.4 65.2#
89 0.0 58.4 87.6#
182 0.0 2.2 3.2#

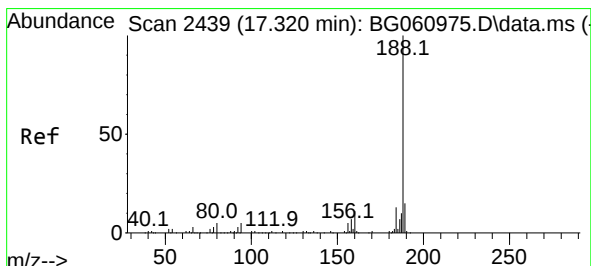
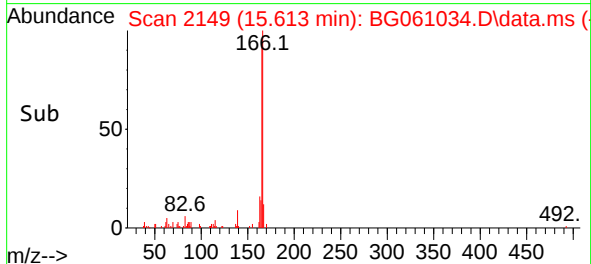
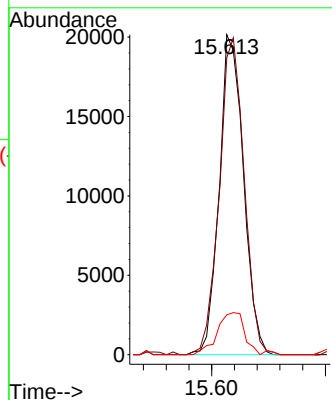
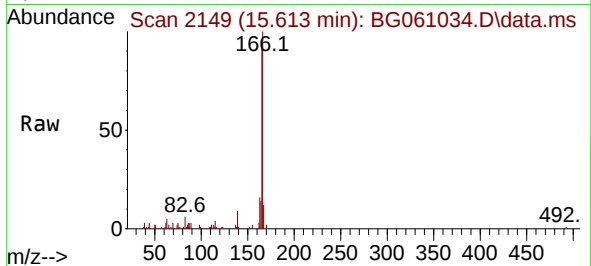




#58
Fluorene
Concen: 4.532 ng
RT: 15.613 min Scan# 2149
Delta R.T. -0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

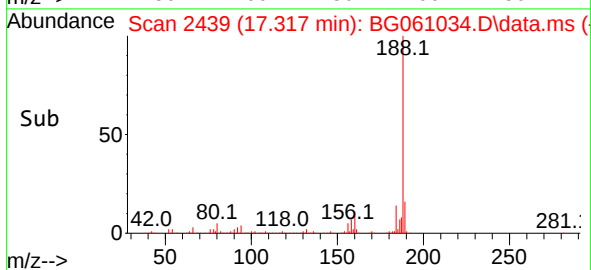
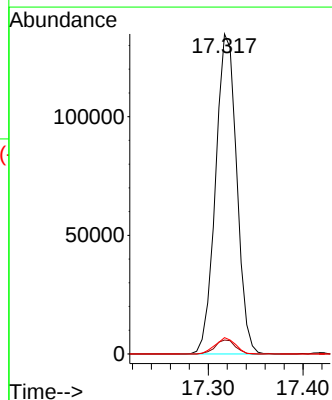
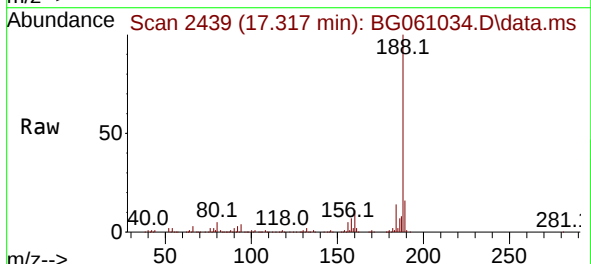
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONTDL

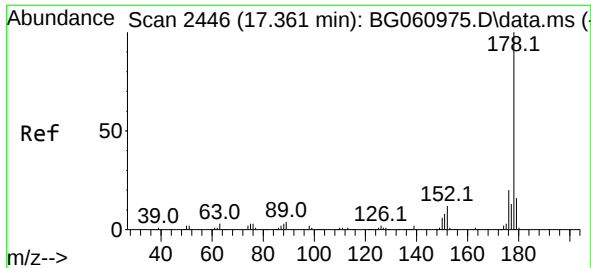
Tgt Ion:166 Resp: 29893
Ion Ratio Lower Upper
166 100
165 92.8 80.9 121.3
167 12.5 10.5 15.7



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.317 min Scan# 2439
Delta R.T. -0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

Tgt Ion:188 Resp: 209024
Ion Ratio Lower Upper
188 100
94 4.3 4.1 6.1
80 5.1 4.0 6.0

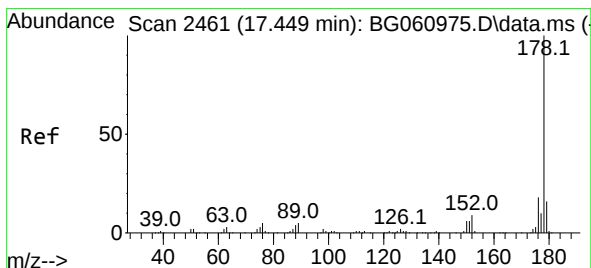
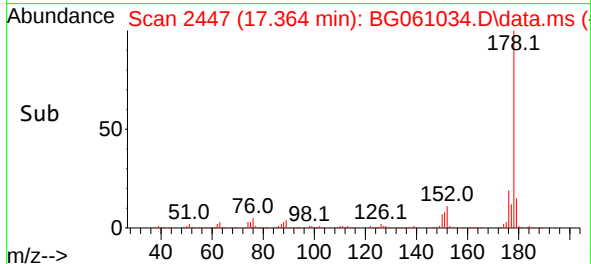
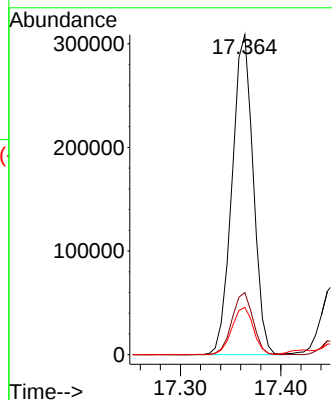
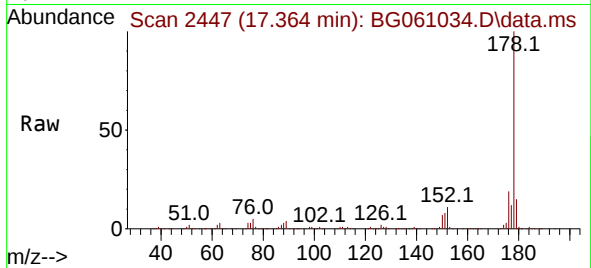




#71
Phenanthrene
Concen: 42.489 ng
RT: 17.364 min Scan# 2446
Delta R.T. 0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

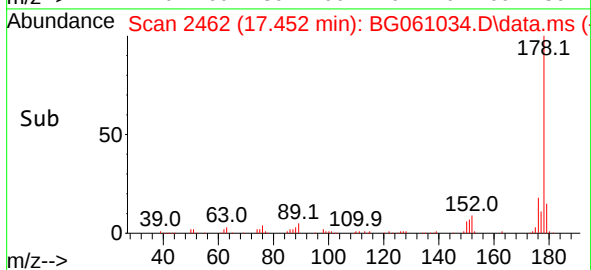
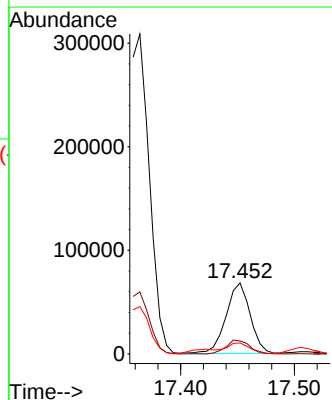
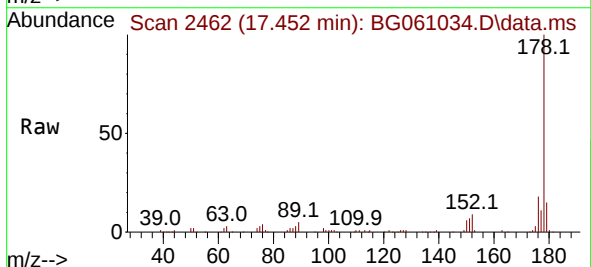
Instrument :
BNA_G
ClientSampleId :
SP-2-FRONTDL

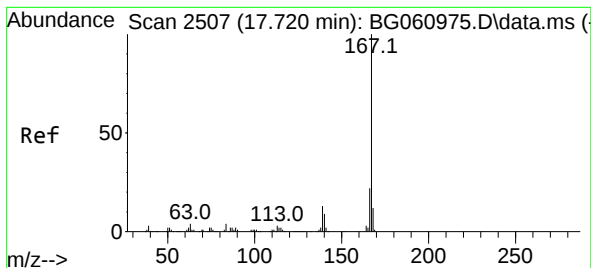
Tgt Ion:178 Resp: 453321
Ion Ratio Lower Upper
178 100
176 19.4 16.0 24.0
179 14.8 12.5 18.7



#72
Anthracene
Concen: 9.114 ng
RT: 17.452 min Scan# 2462
Delta R.T. 0.003 min
Lab File: BG061034.D
Acq: 25 Apr 2024 12:22

Tgt Ion:178 Resp: 100149
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.5 12.4 18.6





#73

Carbazole

Concen: 5.757 ng

RT: 17.717 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONTDL

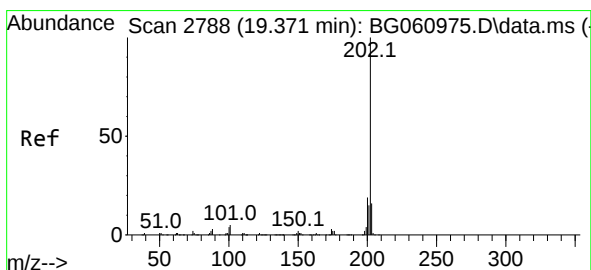
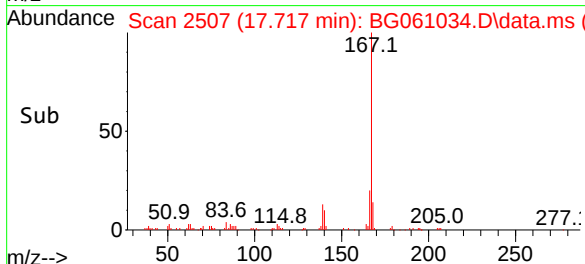
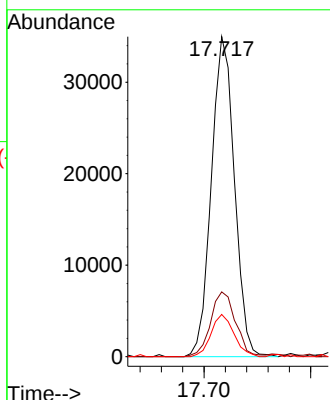
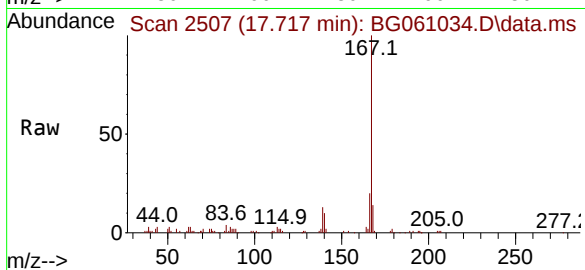
Tgt Ion:167 Resp: 52536

Ion Ratio Lower Upper

167 100

166 20.2 17.8 26.8

139 13.2 10.2 15.2



#75

Fluoranthene

Concen: 45.328 ng

RT: 19.373 min Scan# 2789

Delta R.T. 0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

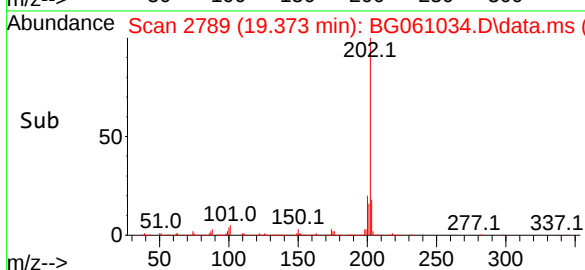
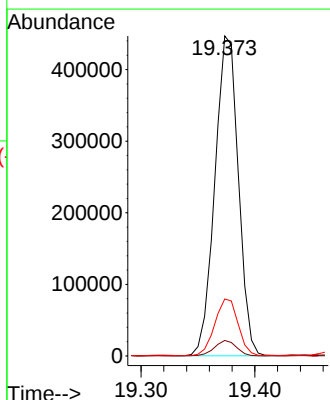
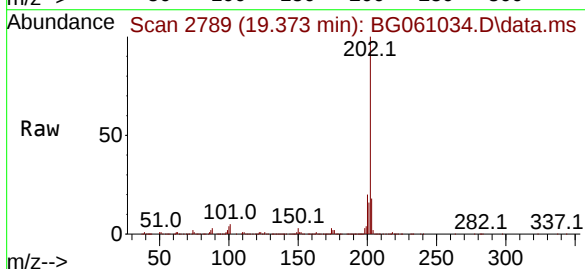
Tgt Ion:202 Resp: 641820

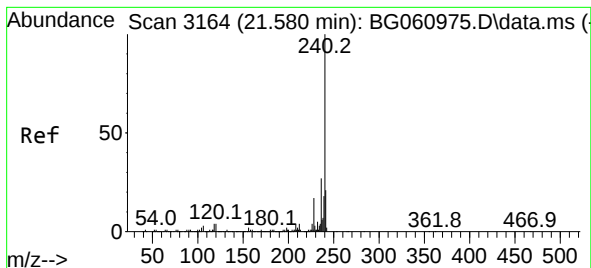
Ion Ratio Lower Upper

202 100

101 4.9 0.0 24.9

203 17.8 0.0 36.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.577 min Scan# 31

Delta R.T. -0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONTDL

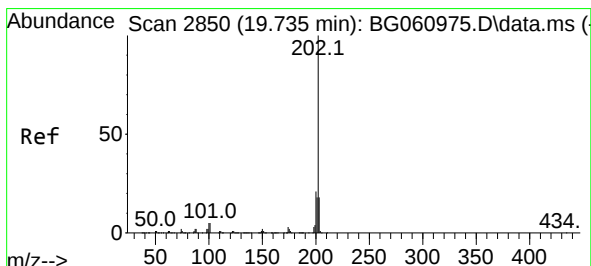
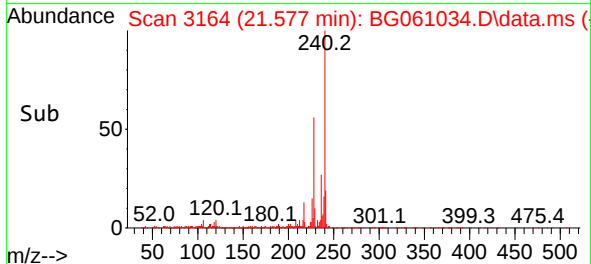
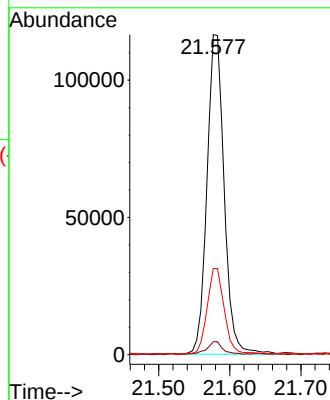
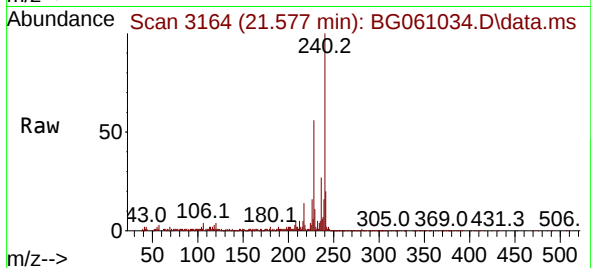
Tgt Ion:240 Resp: 196144

Ion Ratio Lower Upper

240 100

120 4.1 3.0 4.6

236 27.0 21.8 32.6



#78

Pyrene

Concen: 37.393 ng

RT: 19.738 min Scan# 2851

Delta R.T. 0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

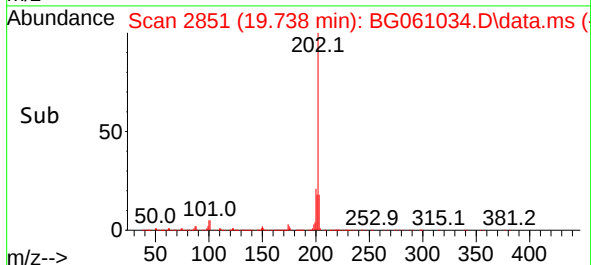
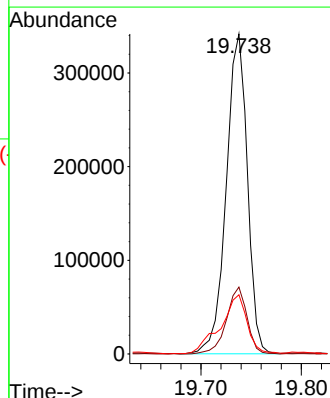
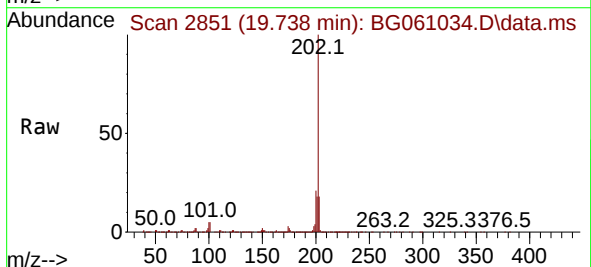
Tgt Ion:202 Resp: 499398

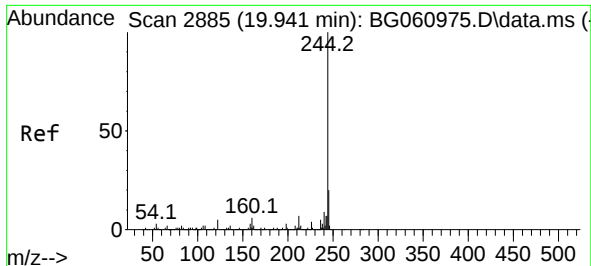
Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

203 18.5 14.2 21.2

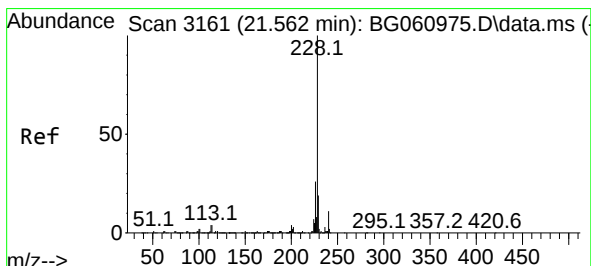
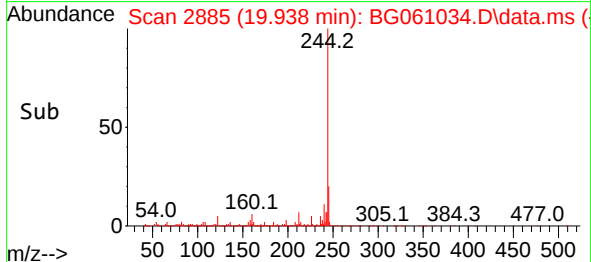
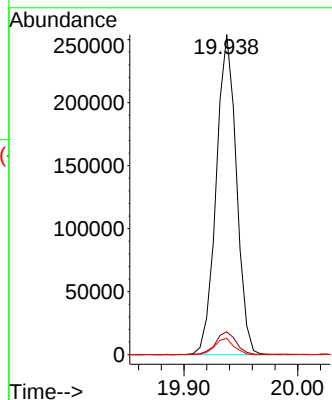
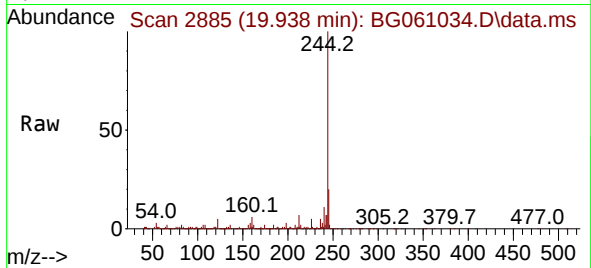




#79
 Terphenyl-d14
 Concen: 24.810 ng
 RT: 19.938 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: BG061034.D
 Acq: 25 Apr 2024 12:22

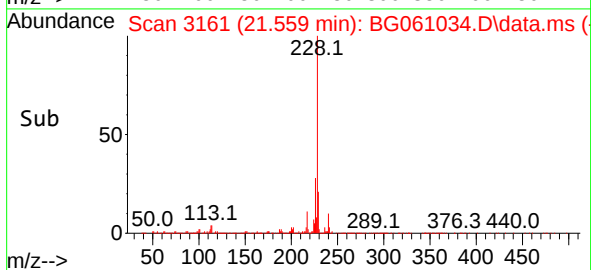
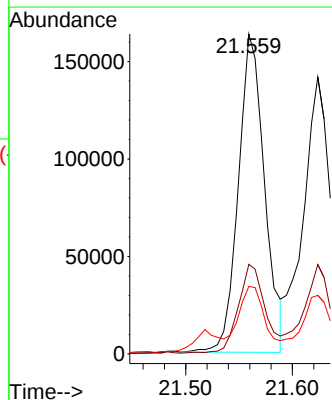
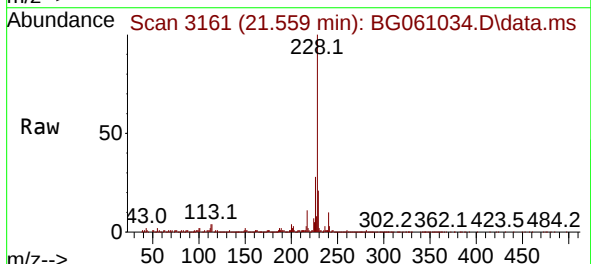
Instrument :
 BNA_G
 ClientSampleId :
 SP-2-FRONTDL

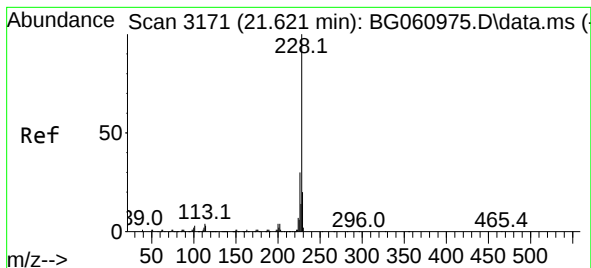
Tgt Ion:244 Resp: 313510
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 5.1 4.2 6.2



#81
 Benzo(a)anthracene
 Concen: 20.251 ng
 RT: 21.559 min Scan# 3161
 Delta R.T. -0.003 min
 Lab File: BG061034.D
 Acq: 25 Apr 2024 12:22

Tgt Ion:228 Resp: 279269
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.0 31.4
 229 21.1 15.0 22.4





#83

Chrysene

Concen: 19.479 ng

RT: 21.624 min Scan# 31

Delta R.T. 0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONTDL

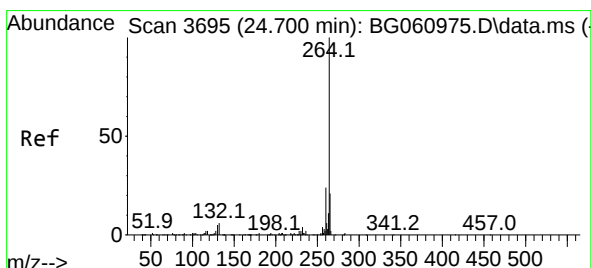
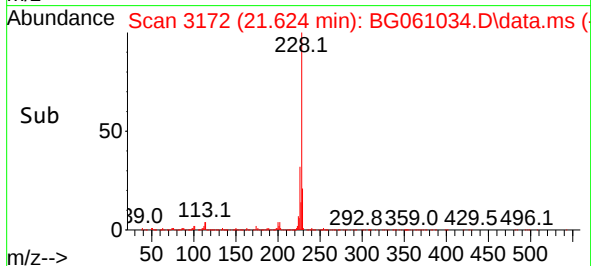
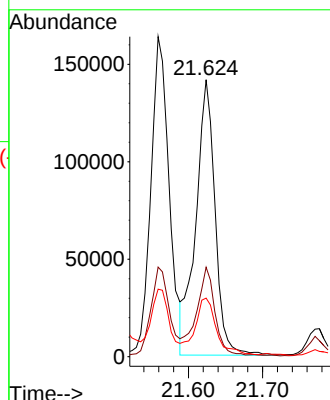
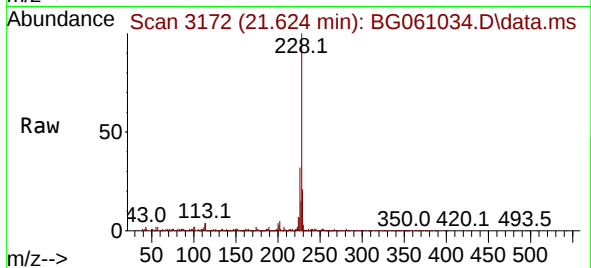
Tgt Ion:228 Resp: 255743

Ion Ratio Lower Upper

228 100

226 32.3 24.2 36.2

229 21.1 15.7 23.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.708 min Scan# 3697

Delta R.T. 0.009 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

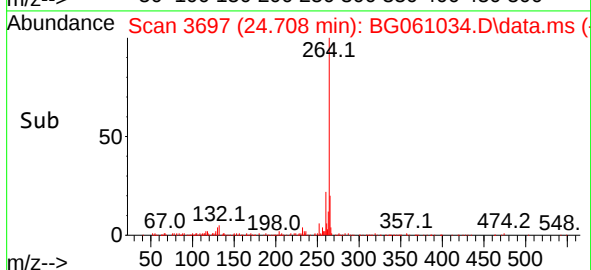
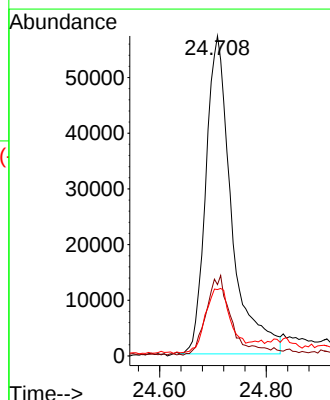
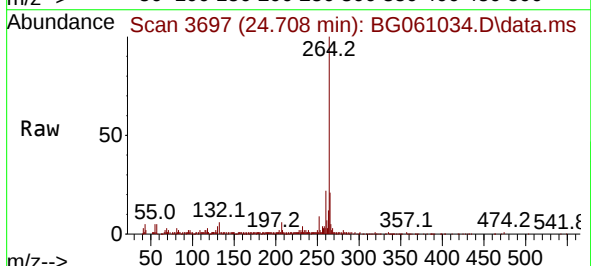
Tgt Ion:264 Resp: 192096

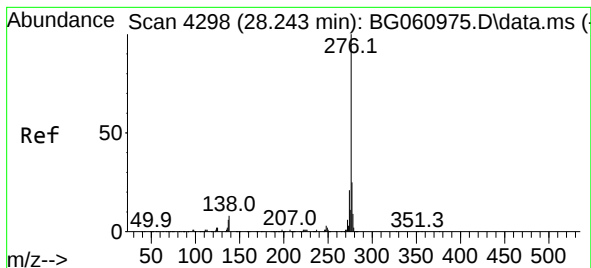
Ion Ratio Lower Upper

264 100

260 22.3 19.4 29.2

265 20.7 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.517 ng

RT: 28.257 min Scan# 41

Delta R.T. 0.015 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONTDL

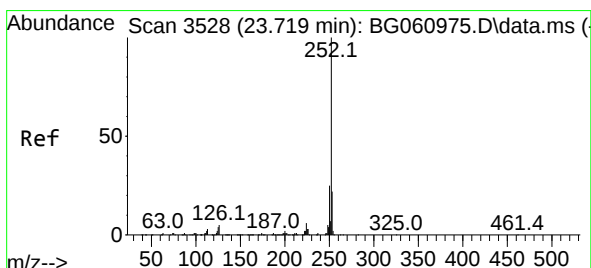
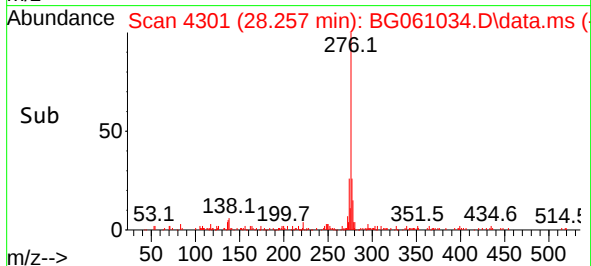
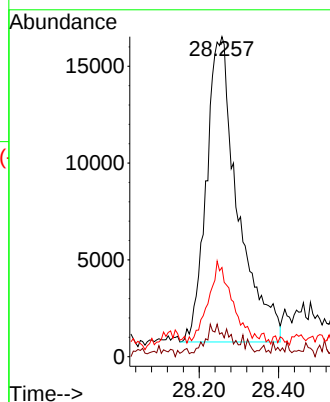
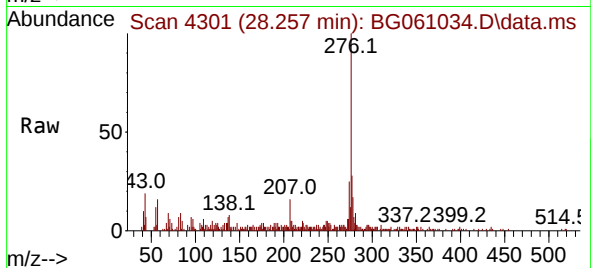
Tgt Ion:276 Resp: 86838

Ion Ratio Lower Upper

276 100

138 0.0 5.3 7.9#

277 19.0 20.6 30.8#



#88

Benzo(b)fluoranthene

Concen: 23.367 ng

RT: 23.721 min Scan# 3529

Delta R.T. 0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

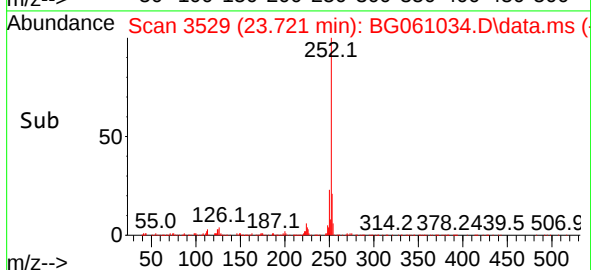
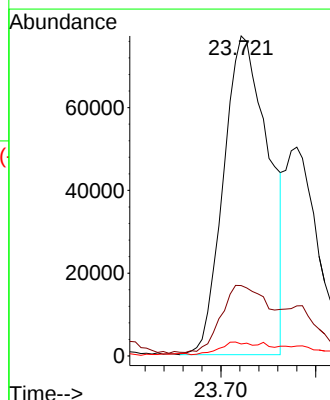
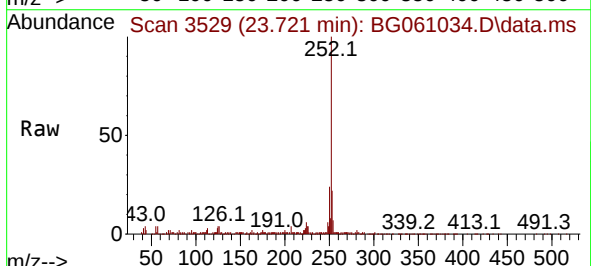
Tgt Ion:252 Resp: 254368

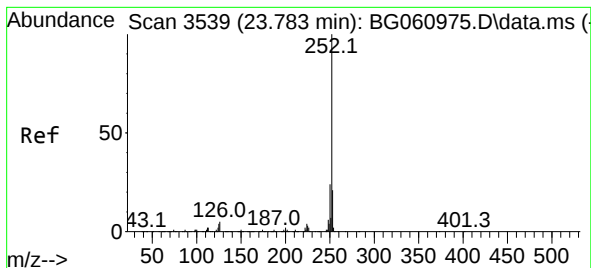
Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 3.7 3.3 4.9





#89

Benzo(k)fluoranthene

Concen: 23.147 ng

RT: 23.721 min Scan# 3529

Delta R.T. -0.062 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

Instrument :

BNA_G

ClientSampleId :

SP-2-FRONTDL

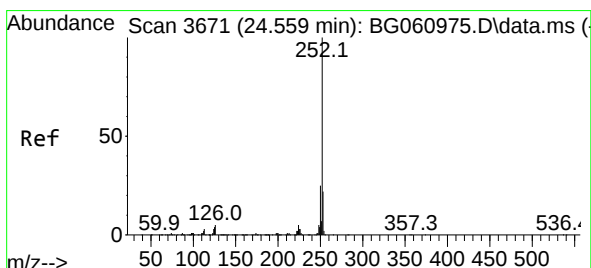
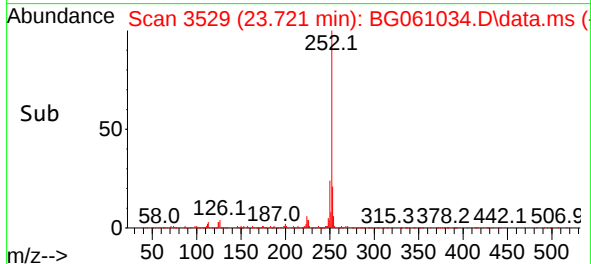
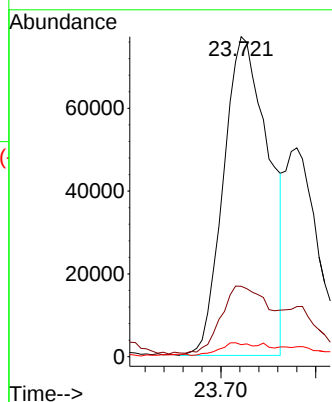
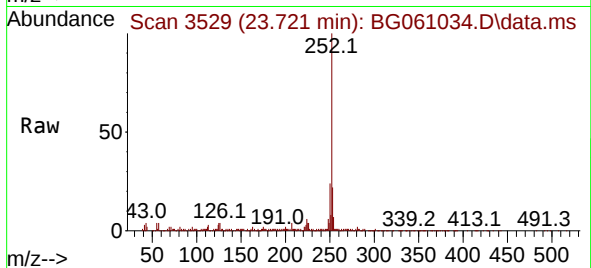
Tgt Ion:252 Resp: 254368

Ion Ratio Lower Upper

252 100

253 22.0 16.6 25.0

125 3.7 3.3 4.9



#90

Benzo(a)pyrene

Concen: 15.428 ng

RT: 24.562 min Scan# 3672

Delta R.T. 0.003 min

Lab File: BG061034.D

Acq: 25 Apr 2024 12:22

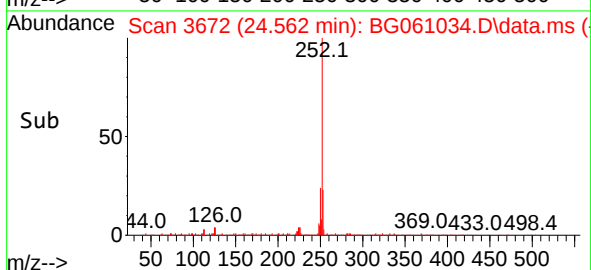
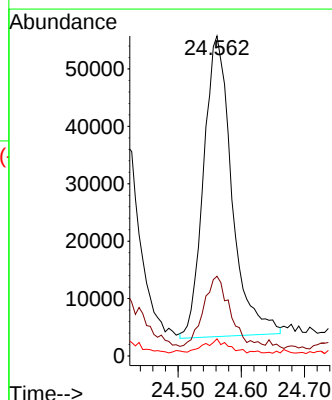
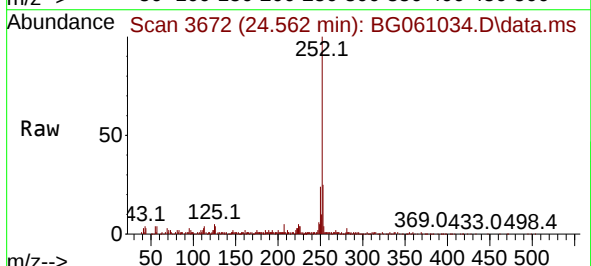
Tgt Ion:252 Resp: 162565

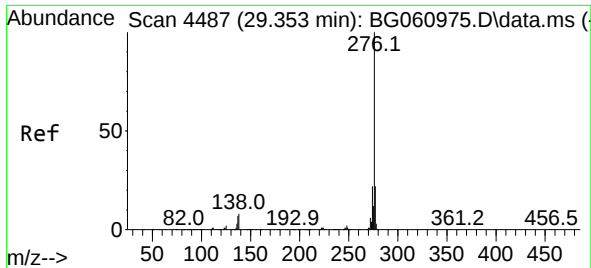
Ion Ratio Lower Upper

252 100

253 24.9 17.7 26.5

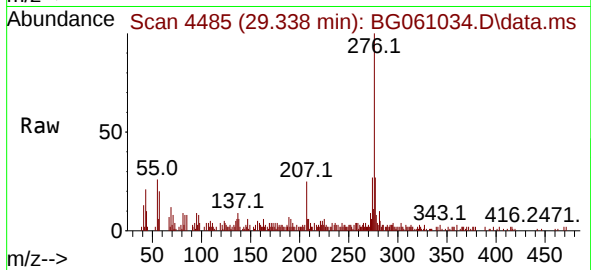
125 5.4 3.6 5.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.613 ng
 RT: 29.338 min Scan# 4485
 Delta R.T. -0.015 min
 Lab File: BG061034.D
 Acq: 25 Apr 2024 12:22

Instrument :
 BNA_G
 ClientSampleId :
 SP-2-FRONTDL



Tgt Ion: 276 Resp: 28212
 Ion Ratio Lower Upper
 276 100
 277 27.0 18.0 27.0#
 138 6.1 6.5 9.7#

