

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
 Data File : BG060996.D
 Acq On : 22 Apr 2024 18:06
 Operator : MA/JU
 Sample : P2126-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP-1C

Quant Time: Apr 23 02:19:09 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)

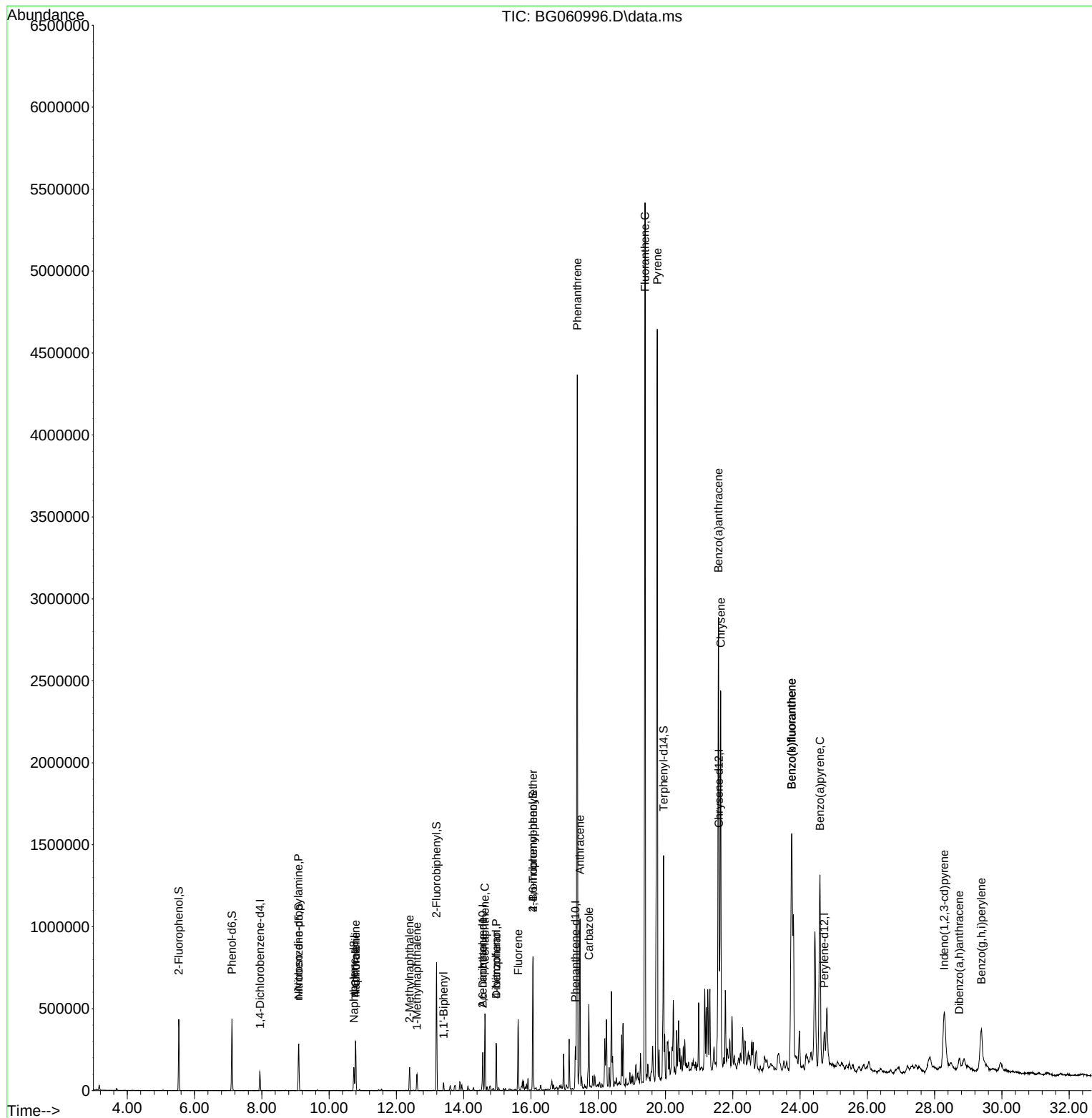
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.946	152	30512	20.000	ng	0.00
21) Naphthalene-d8	10.737	136	108744	20.000	ng	# 0.00
39) Acenaphthene-d10	14.568	164	81784	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	191784	20.000	ng	0.00
76) Chrysene-d12	21.589	240	194152	20.000	ng	0.00
86) Perylene-d12	24.721	264	234219	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.532	112	149519	99.121	ng	0.00
7) Phenol-d6	7.112	99	197490	88.239	ng	0.00
23) Nitrobenzene-d5	9.098	82	149099	61.602	ng	0.00
42) 2,4,6-Tribromophenol	16.060	330	162055	90.235	ng	0.00
45) 2-Fluorobiphenyl	13.193	172	390963	66.162	ng	0.00
79) Terphenyl-d14	19.944	244	707141	56.535	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.092	70	23382	14.018	ng	# 61
31) Naphthalene	10.790	128	242169	40.677	ng	99
33) 4-Chloroaniline	10.790	127	32161	11.892	ng	# 35
37) 2-Methylnaphthalene	12.394	142	64113	13.697	ng	96
38) 1-Methylnaphthalene	12.611	142	44012	10.076	ng	100
46) 1,1'-Biphenyl	13.405	154	21339	3.874	ng	95
51) 2,6-Dinitrotoluene	14.568	165	13562	9.638	ng	# 19
52) Acenaphthene	14.633	154	163829	37.902	ng	98
55) Dibenzofuran	14.968	168	165830	22.217	ng	96
56) 4-Nitrophenol	14.968	139	70365	70.785	ng	# 1
58) Fluorene	15.620	166	192120	30.495	ng	99
67) 4-Bromophenyl-phenylether	16.060	248	9735	3.846	ng	# 1
71) Phenanthrene	17.376	178	3001125	306.573	ng	95
72) Anthracene	17.459	178	675290	66.979	ng	99
73) Carbazole	17.723	167	333474	39.826	ng	98
75) Fluoranthene	19.392	202	3937796	303.102	ng	87
78) Pyrene	19.756	202	3504063	265.063	ng	92
81) Benzo(a)anthracene	21.572	228	1903991	139.486	ng	94
83) Chrysene	21.642	228	1722267	132.523	ng	97
87) Indeno(1,2,3-cd)pyrene	28.281	276	820457	50.496	ng	# 91
88) Benzo(b)fluoranthene	23.751	252	2170719	163.543	ng	100
89) Benzo(k)fluoranthene	23.751	252	2170719	162.007	ng	98
90) Benzo(a)pyrene	24.592	252	1546872	120.404	ng	97
91) Dibenzo(a,h)anthracene	28.734	278	125898	9.484	ng	95
92) Benzo(g,h,i)perylene	29.392	276	779381	59.214	ng	96

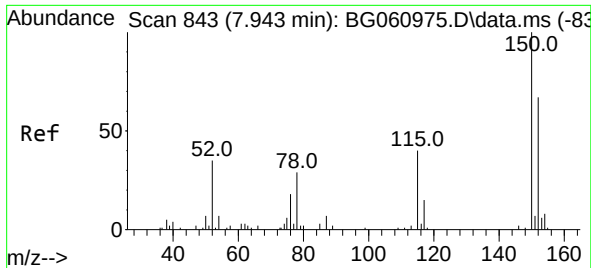
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
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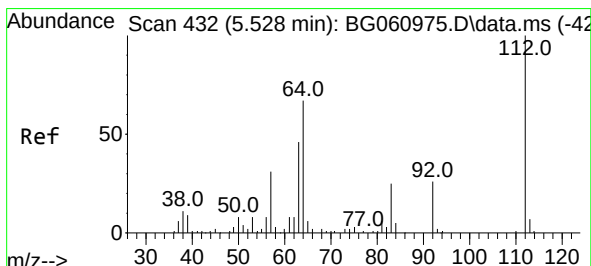
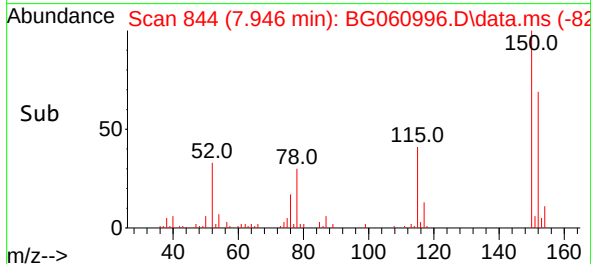
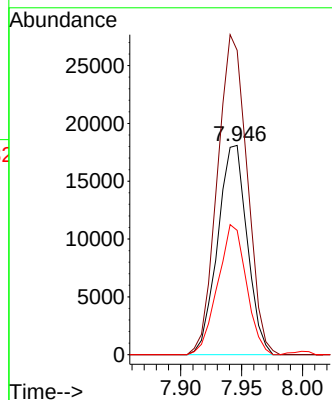
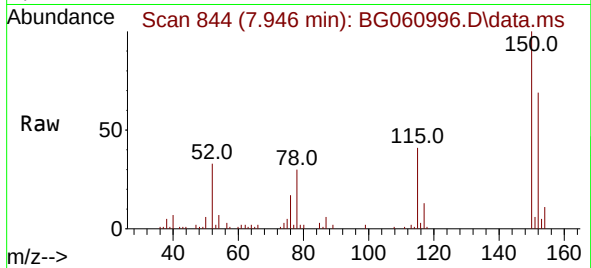




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.946 min Scan# 84
Delta R.T. 0.003 min
Lab File: BG060996.D
Acq: 22 Apr 2024 18:06

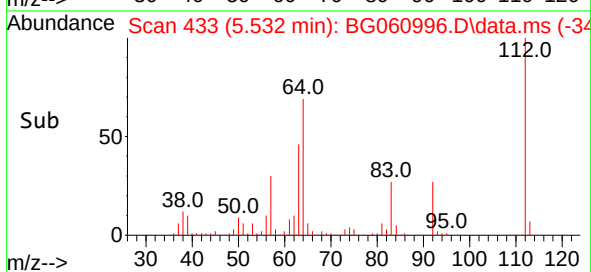
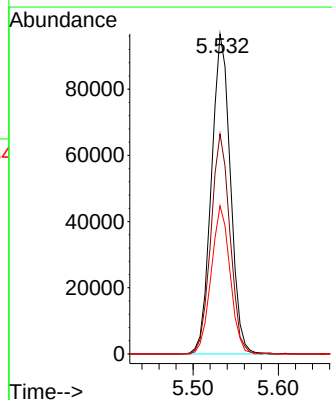
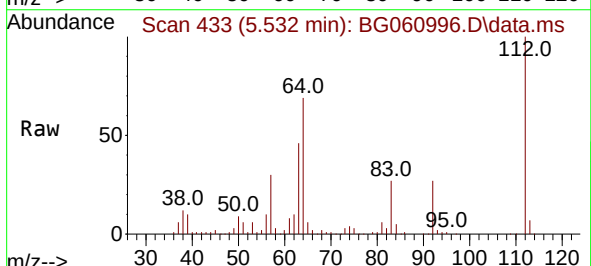
Instrument :
BNA_G
ClientSampleId :
SP-1C

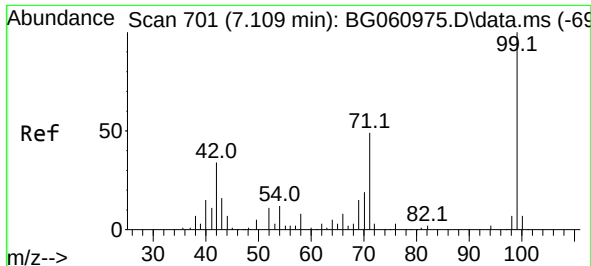
Tgt Ion:152 Resp: 30512
Ion Ratio Lower Upper
152 100
150 145.4 118.6 178.0
115 59.4 47.4 71.0



#5
2-Fluorophenol
Concen: 99.121 ng
RT: 5.532 min Scan# 433
Delta R.T. 0.003 min
Lab File: BG060996.D
Acq: 22 Apr 2024 18:06

Tgt Ion:112 Resp: 149519
Ion Ratio Lower Upper
112 100
64 68.8 53.7 80.5
63 46.3 37.0 55.6

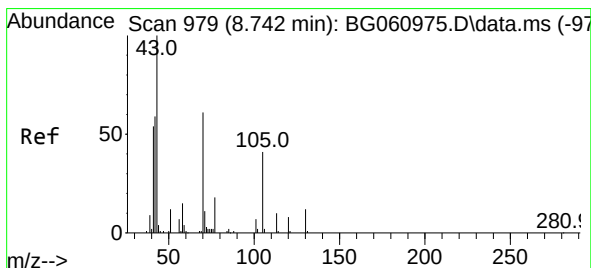
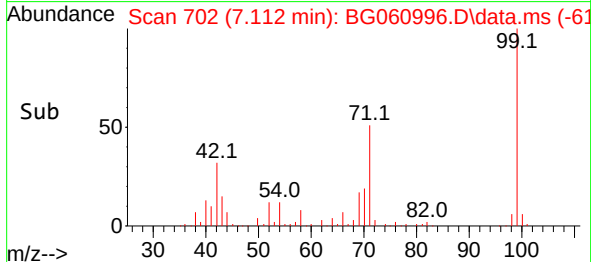
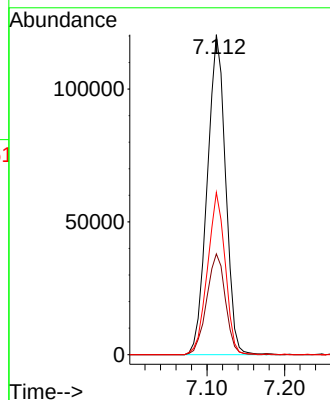
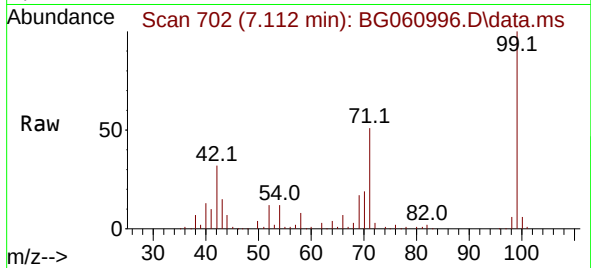




#7
Phenol-d6
Concen: 88.239 ng
RT: 7.112 min Scan# 701
Delta R.T. 0.003 min
Lab File: BG060996.D
Acq: 22 Apr 2024 18:06

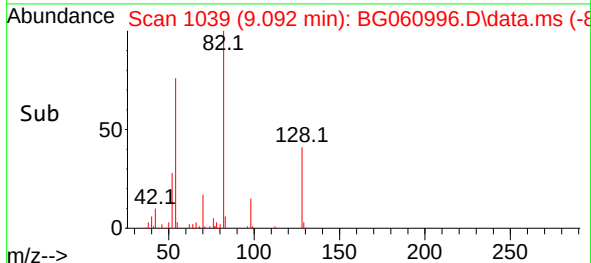
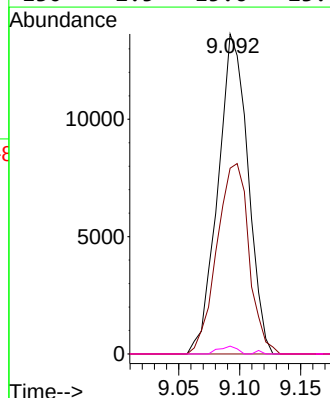
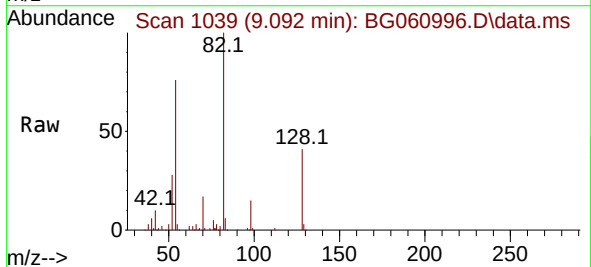
Instrument :
BNA_G
ClientSampleId :
SP-1C

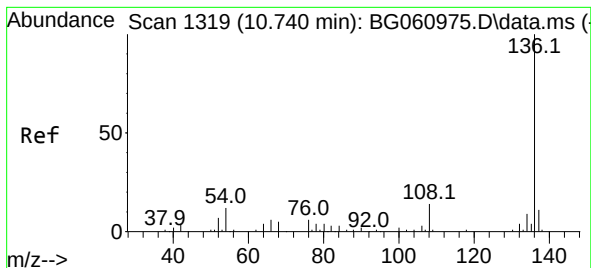
Tgt Ion: 99 Resp: 197490
Ion Ratio Lower Upper
99 100
42 31.5 27.2 40.8
71 50.7 38.8 58.2



#19
n-Nitroso-di-n-propylamine
Concen: 14.018 ng
RT: 9.092 min Scan# 1039
Delta R.T. 0.350 min
Lab File: BG060996.D
Acq: 22 Apr 2024 18:06

Tgt Ion: 70 Resp: 23382
Ion Ratio Lower Upper
70 100
42 58.1 78.0 117.0#
101 0.0 8.6 13.0#
130 2.5 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: BG060996.D

Acq: 22 Apr 2024 18:06

Instrument :

BNA_G

ClientSampleId :

SP-1C

Tgt Ion:136 Resp: 108744

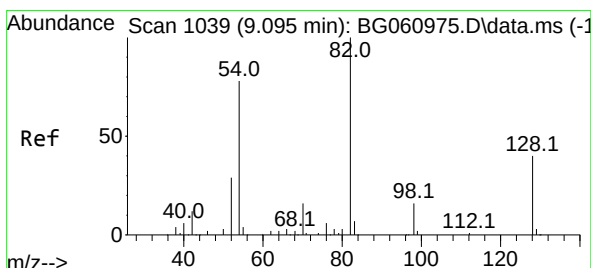
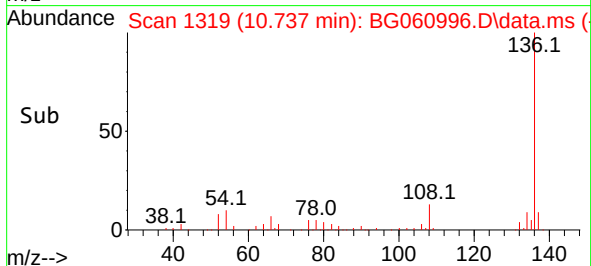
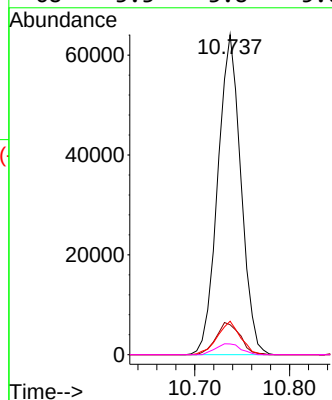
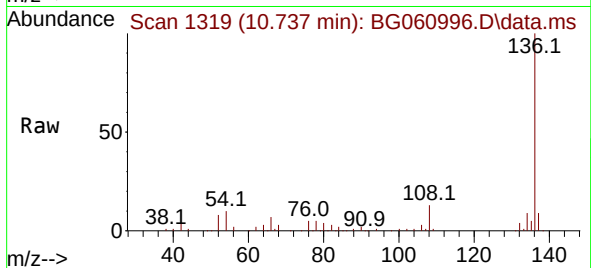
Ion Ratio Lower Upper

136 100

137 9.3 8.5 12.7

54 10.4 9.4 14.0

68 3.3 3.8 5.6#



#23

Nitrobenzene-d5

Concen: 61.602 ng

RT: 9.098 min Scan# 1040

Delta R.T. 0.003 min

Lab File: BG060996.D

Acq: 22 Apr 2024 18:06

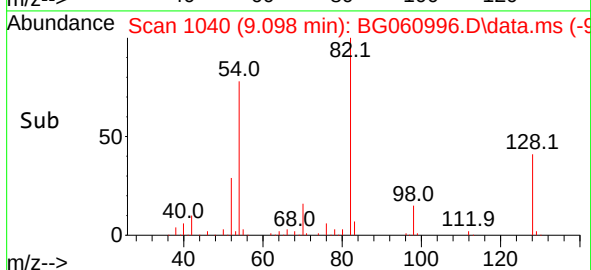
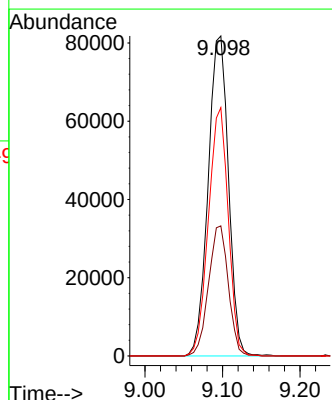
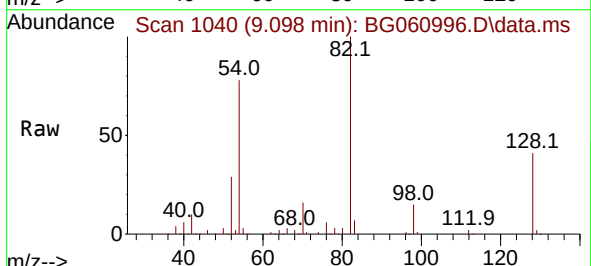
Tgt Ion: 82 Resp: 149099

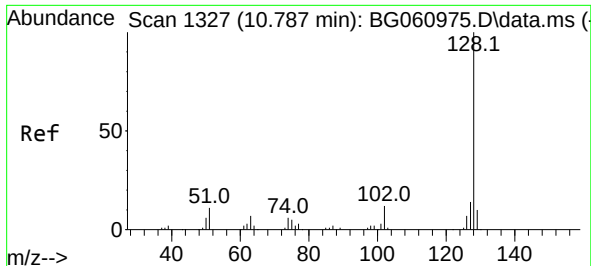
Ion Ratio Lower Upper

82 100

128 40.7 32.1 48.1

54 77.6 62.3 93.5

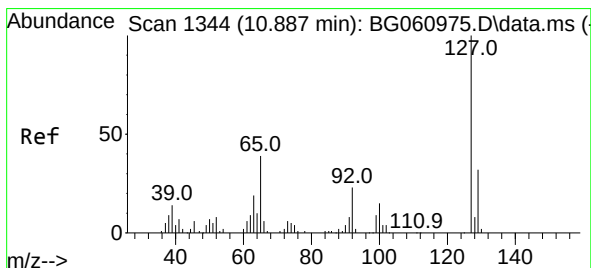
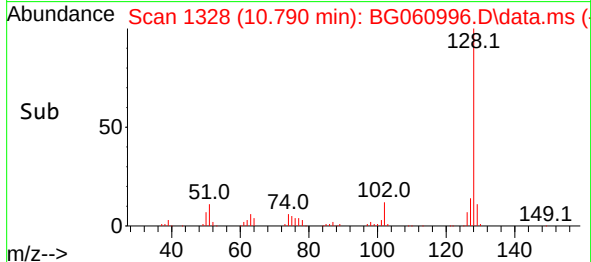
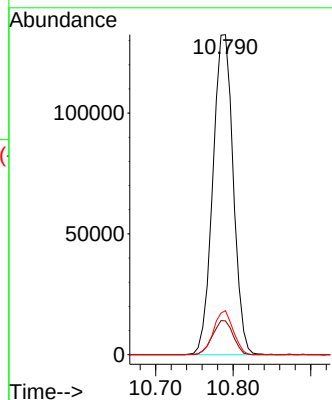
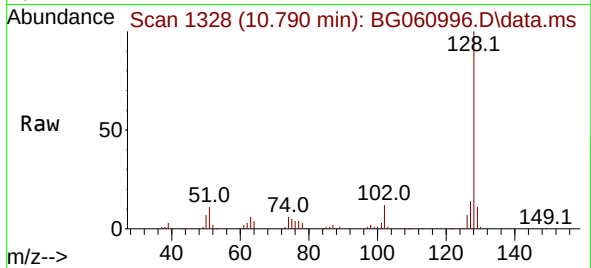




#31
Naphthalene
Concen: 40.677 ng
RT: 10.790 min Scan# 1327
Delta R.T. 0.003 min
Lab File: BG060996.D
Acq: 22 Apr 2024 18:06

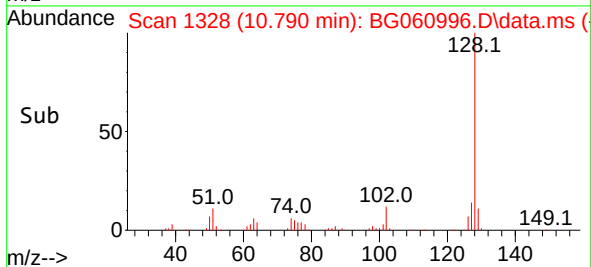
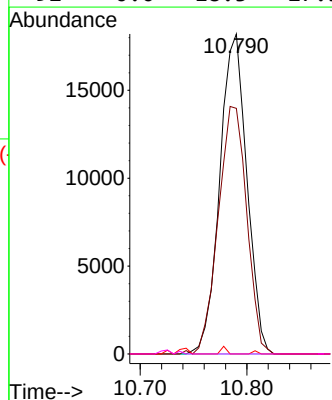
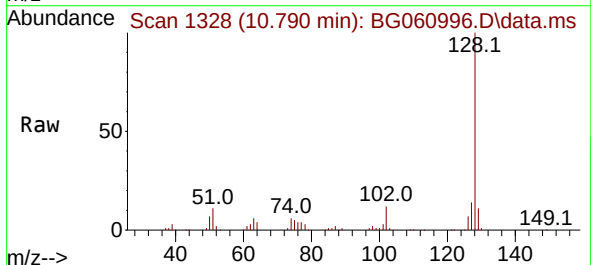
Instrument :
BNA_G
ClientSampleId :
SP-1C

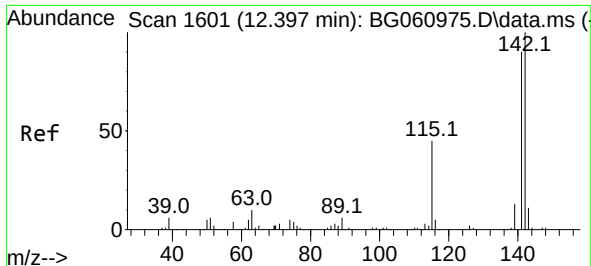
Tgt Ion:128 Resp: 242169
Ion Ratio Lower Upper
128 100
129 10.5 8.2 12.4
127 13.7 11.4 17.2



#33
4-Chloroaniline
Concen: 11.892 ng
RT: 10.790 min Scan# 1328
Delta R.T. -0.096 min
Lab File: BG060996.D
Acq: 22 Apr 2024 18:06

Tgt Ion:127 Resp: 32161
Ion Ratio Lower Upper
127 100
129 76.7 25.7 38.5#
65 0.0 31.4 47.0#
92 0.0 18.3 27.5#

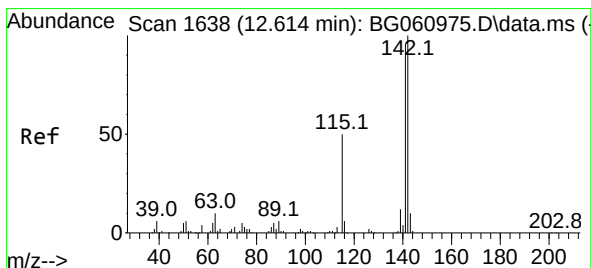
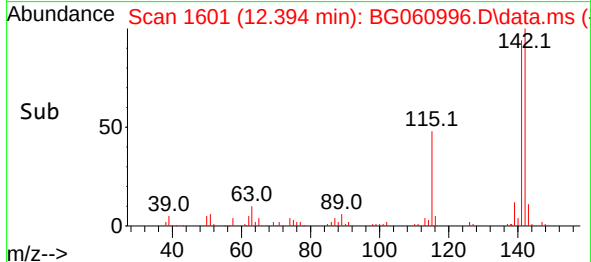
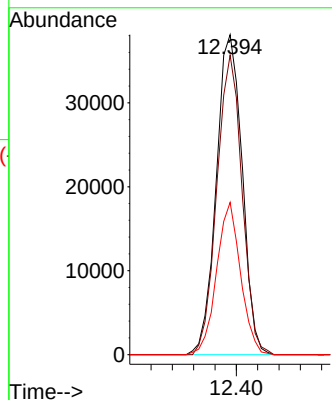
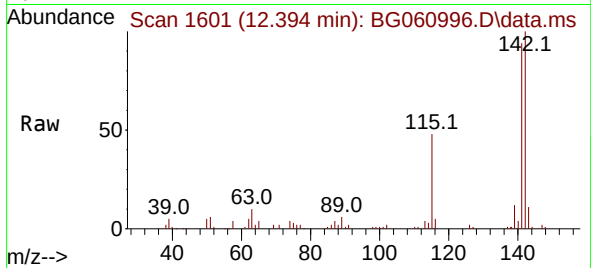




#37
2-Methylnaphthalene
Concen: 13.697 ng
RT: 12.394 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG060996.D
Acq: 22 Apr 2024 18:06

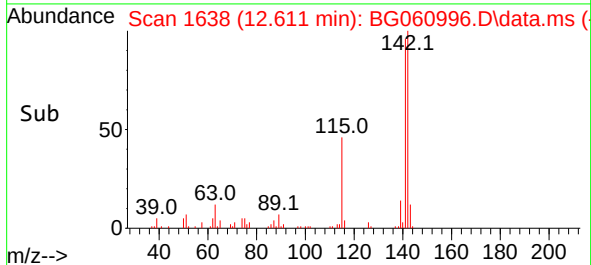
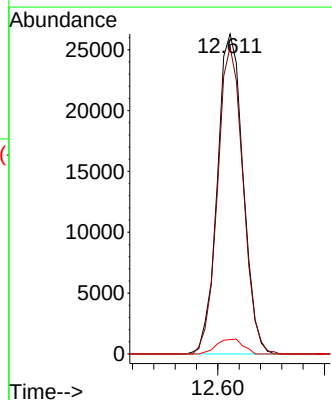
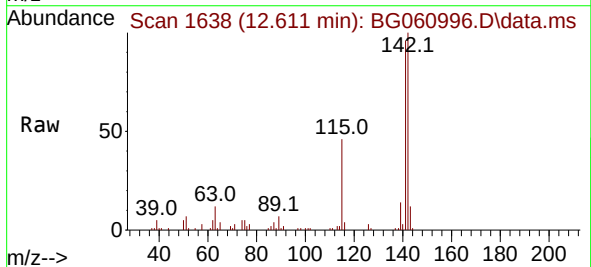
Instrument :
BNA_G
ClientSampleId :
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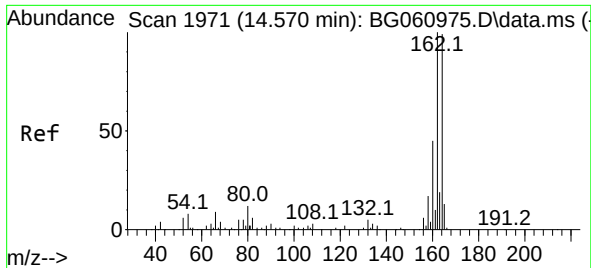
Tgt Ion:142 Resp: 64113
Ion Ratio Lower Upper
142 100
141 93.6 72.2 108.4
115 47.6 35.9 53.9



#38
1-Methylnaphthalene
Concen: 10.076 ng
RT: 12.611 min Scan# 1638
Delta R.T. -0.003 min
Lab File: BG060996.D
Acq: 22 Apr 2024 18:06

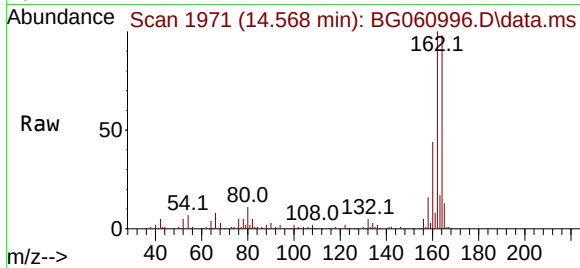
Tgt Ion:142 Resp: 44012
Ion Ratio Lower Upper
142 100
141 95.9 76.8 115.2
116 4.5 4.4 6.6



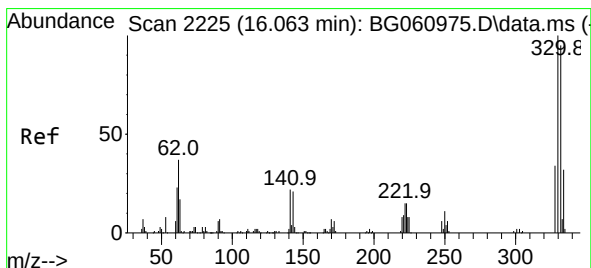
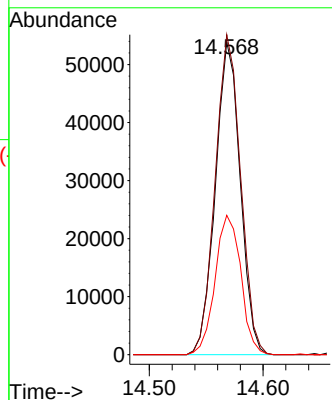
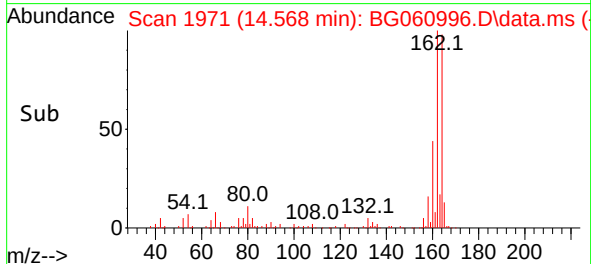


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.568 min Scan# 1971
Delta R.T. -0.002 min
Lab File: BG060996.D
Acq: 22 Apr 2024 18:06

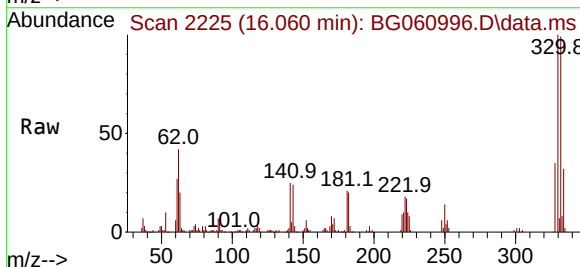
Instrument :
BNA_G
ClientSampleId :
SP-1C



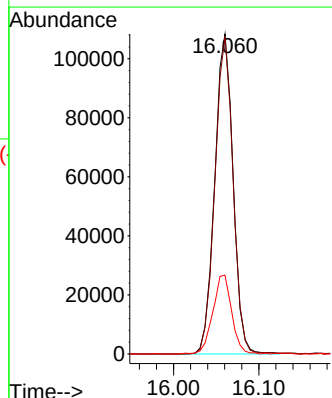
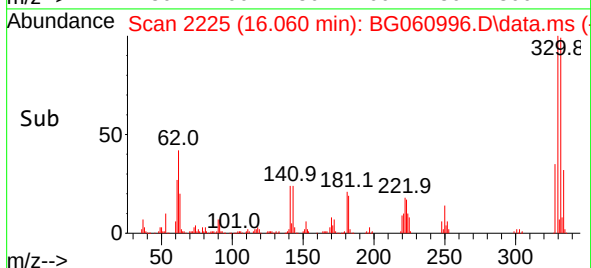
Tgt Ion:164 Resp: 81784
Ion Ratio Lower Upper
164 100
162 102.3 81.2 121.8
160 44.6 36.2 54.2

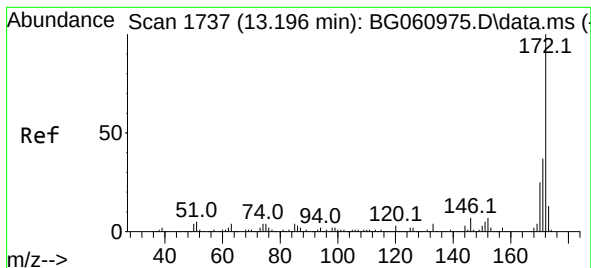


#42
2,4,6-Tribromophenol
Concen: 90.235 ng
RT: 16.060 min Scan# 2225
Delta R.T. -0.003 min
Lab File: BG060996.D
Acq: 22 Apr 2024 18:06



Tgt Ion:330 Resp: 162055
Ion Ratio Lower Upper
330 100
332 98.0 77.1 115.7
141 25.3 20.6 31.0





#45

2-Fluorobiphenyl

Concen: 66.162 ng

RT: 13.193 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG060996.D

Acq: 22 Apr 2024 18:06

Instrument :

BNA_G

ClientSampleId :

SP-1C

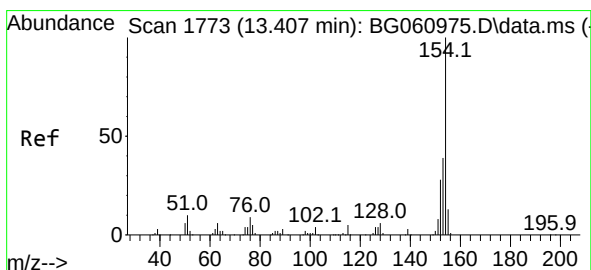
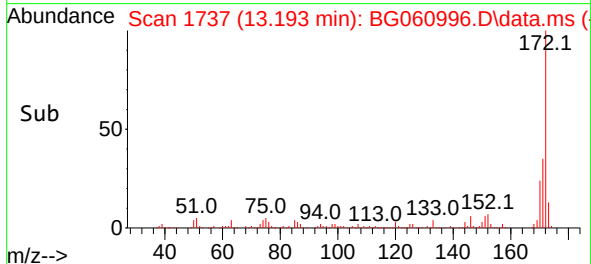
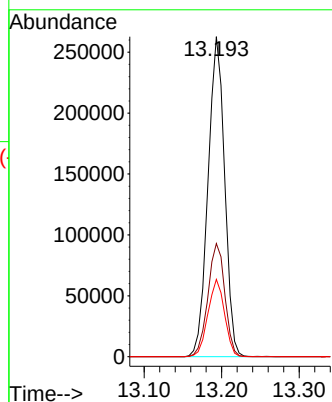
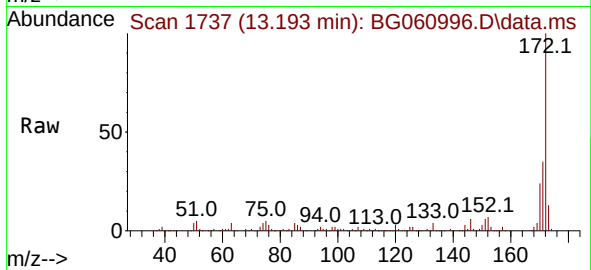
Tgt Ion:172 Resp: 390963

Ion Ratio Lower Upper

172 100

171 35.4 29.3 43.9

170 24.2 20.1 30.1



#46

1,1'-Biphenyl

Concen: 3.874 ng

RT: 13.405 min Scan# 1773

Delta R.T. -0.002 min

Lab File: BG060996.D

Acq: 22 Apr 2024 18:06

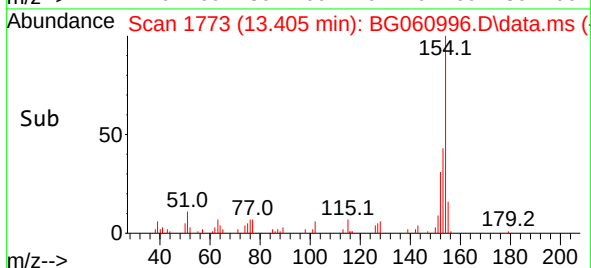
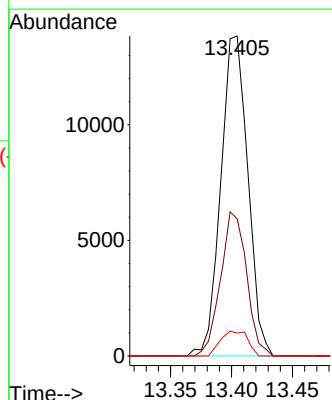
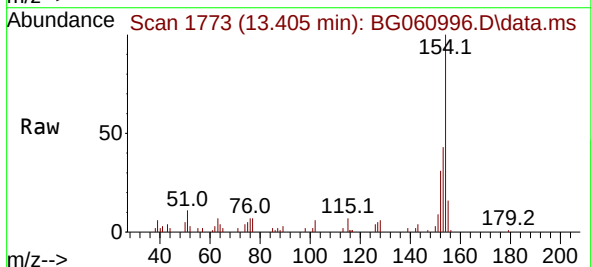
Tgt Ion:154 Resp: 21339

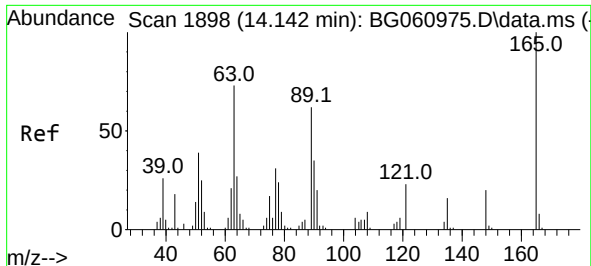
Ion Ratio Lower Upper

154 100

153 42.9 19.4 59.4

76 7.2 0.0 28.6





#51

2,6-Dinitrotoluene

Concen: 9.638 ng

RT: 14.568 min Scan# 1898

Delta R.T. 0.426 min

Lab File: BG060996.D

Acq: 22 Apr 2024 18:06

Instrument :

BNA_G

ClientSampleId :

SP-1C

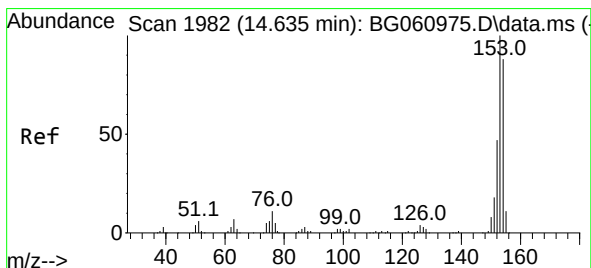
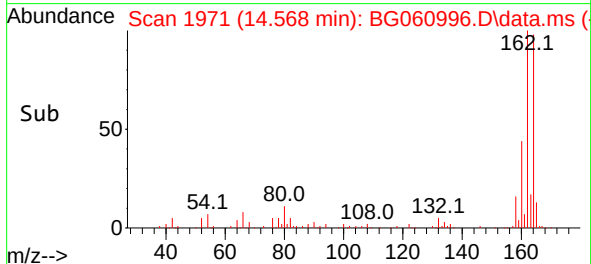
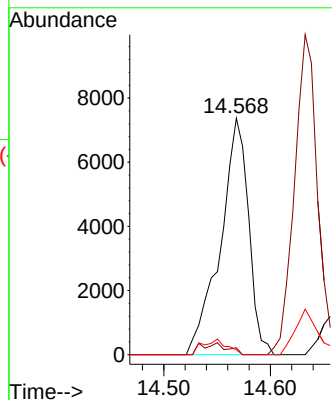
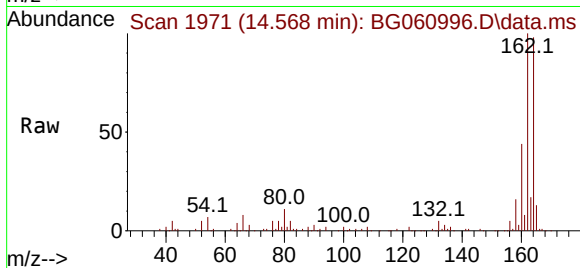
Tgt Ion:165 Resp: 13562

Ion Ratio Lower Upper

165 100

63 2.9 59.6 89.4#

89 2.0 49.4 74.0#



#52

Acenaphthene

Concen: 37.902 ng

RT: 14.633 min Scan# 1982

Delta R.T. -0.002 min

Lab File: BG060996.D

Acq: 22 Apr 2024 18:06

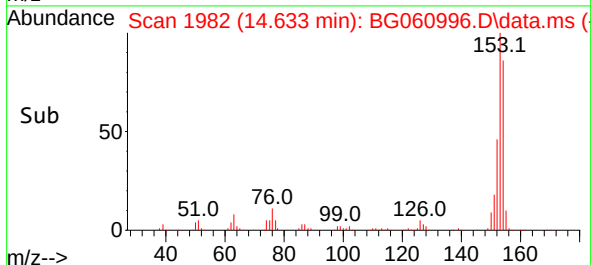
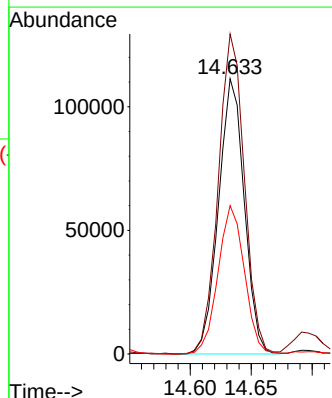
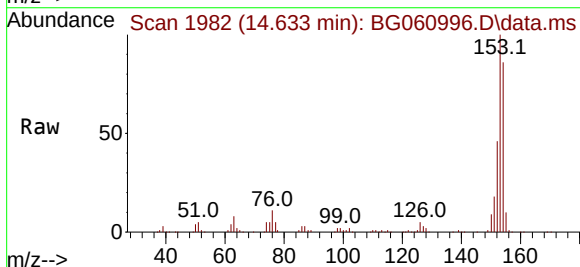
Tgt Ion:154 Resp: 163829

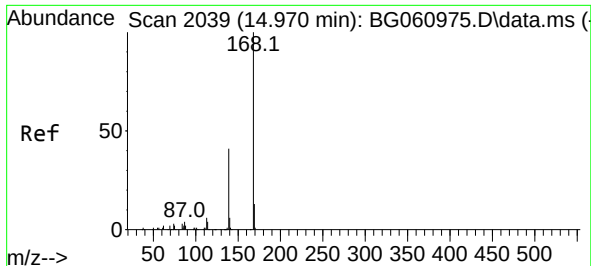
Ion Ratio Lower Upper

154 100

153 116.3 91.2 136.8

152 53.9 42.7 64.1

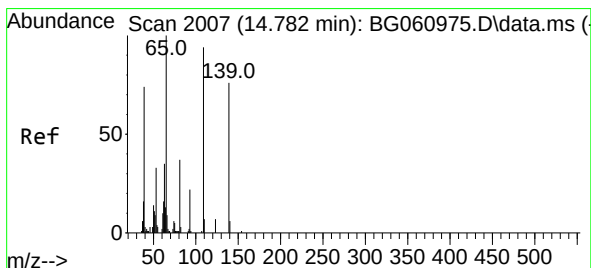
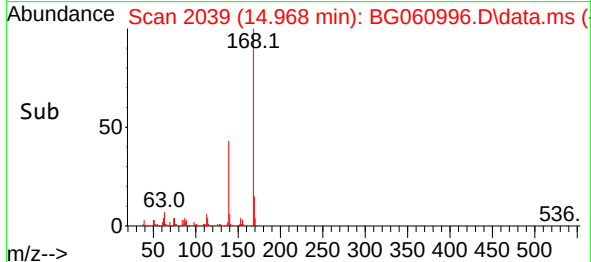
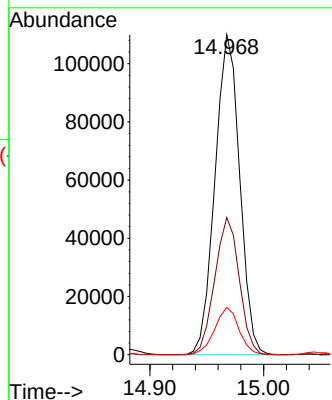
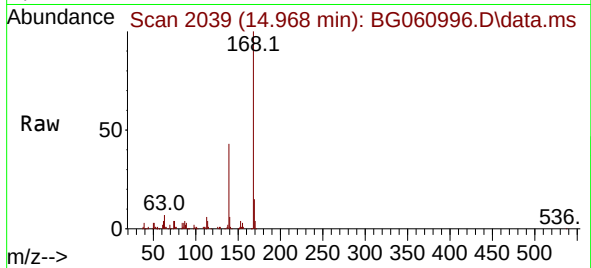




#55
Dibenzenofuran
Concen: 22.217 ng
RT: 14.968 min Scan# 2039
Delta R.T. -0.002 min
Lab File: BG060996.D
Acq: 22 Apr 2024 18:06

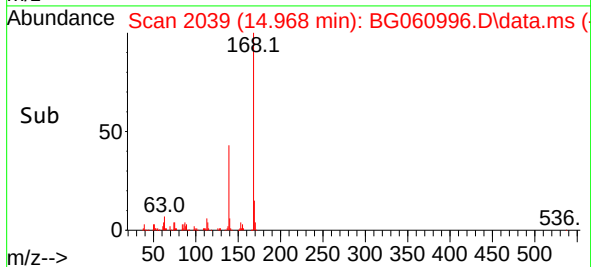
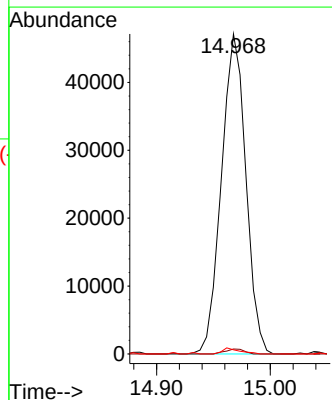
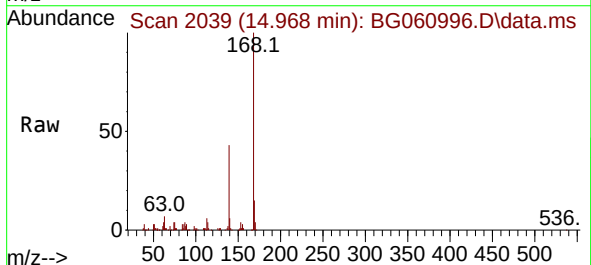
Instrument :
BNA_G
ClientSampleId :
SP-1C

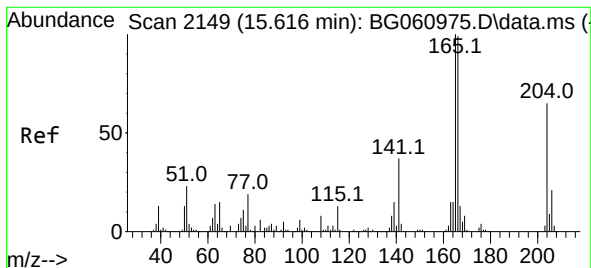
Tgt Ion:168 Resp: 165830
Ion Ratio Lower Upper
168 100
139 42.9 32.4 48.6
169 14.8 10.6 15.8



#56
4-Nitrophenol
Concen: 70.785 ng
RT: 14.968 min Scan# 2039
Delta R.T. 0.186 min
Lab File: BG060996.D
Acq: 22 Apr 2024 18:06

Tgt Ion:139 Resp: 70365
Ion Ratio Lower Upper
139 100
109 1.5 104.1 144.1#
65 1.3 112.0 152.0#





#58

Fluorene

Concen: 30.495 ng

RT: 15.620 min Scan# 21

Delta R.T. 0.003 min

Lab File: BG060996.D

Acq: 22 Apr 2024 18:06

Instrument :

BNA_G

ClientSampleId :

SP-1C

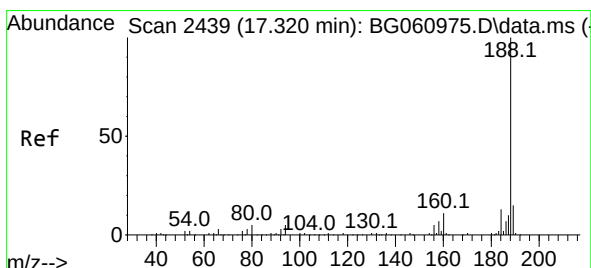
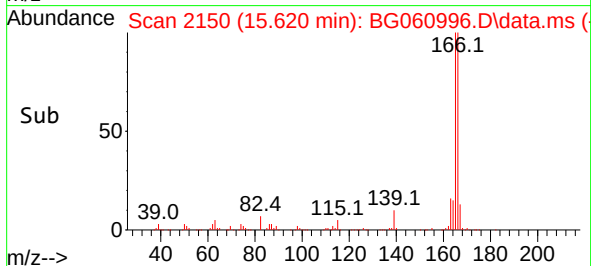
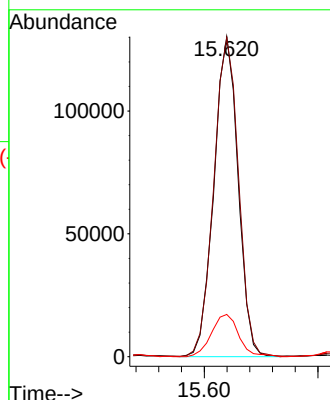
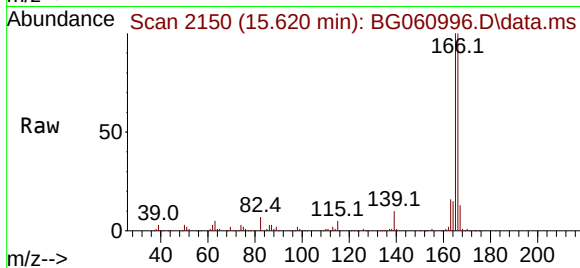
Tgt Ion:166 Resp: 192120

Ion Ratio Lower Upper

166 100

165 99.7 80.9 121.3

167 13.2 10.5 15.7



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.324 min Scan# 2440

Delta R.T. 0.003 min

Lab File: BG060996.D

Acq: 22 Apr 2024 18:06

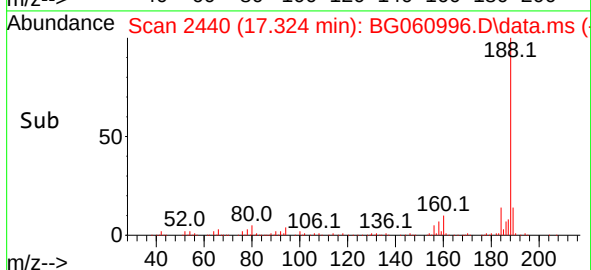
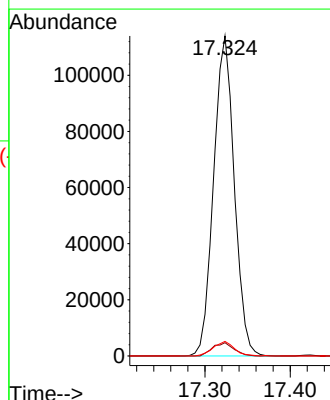
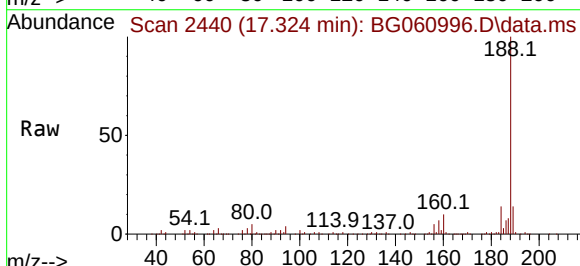
Tgt Ion:188 Resp: 191784

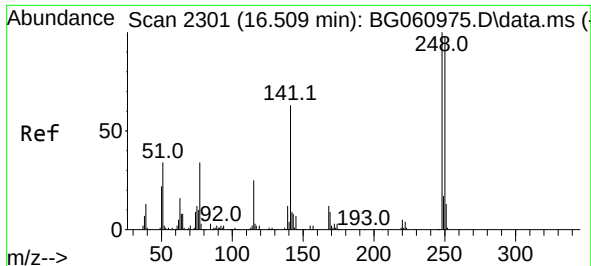
Ion Ratio Lower Upper

188 100

94 4.1 4.1 6.1

80 4.5 4.0 6.0





#67
4-Bromophenyl-phenylether
Concen: 3.846 ng
RT: 16.060 min Scan# 211
Delta R.T. -0.449 min
Lab File: BG060996.D
Acq: 22 Apr 2024 18:06

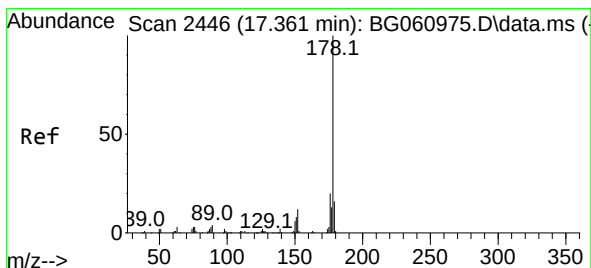
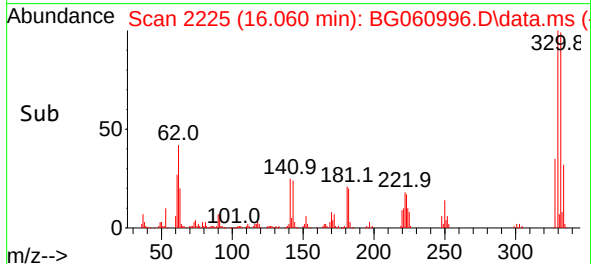
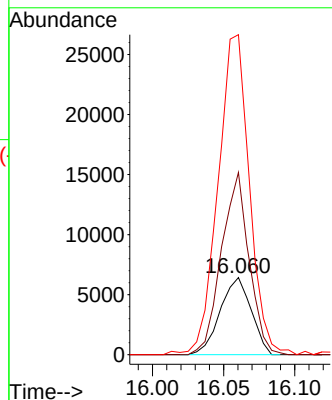
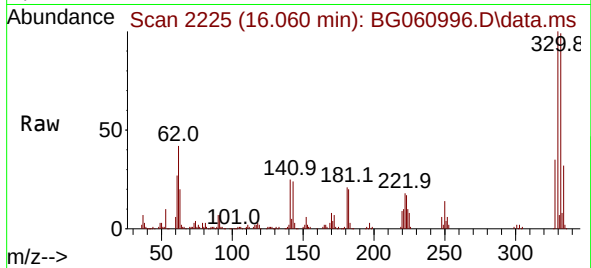
Instrument :

BNA_G

ClientSampleId :

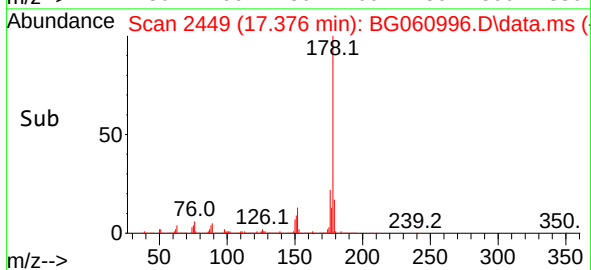
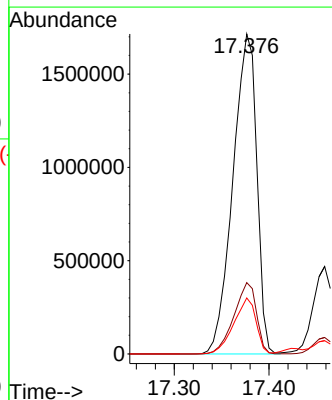
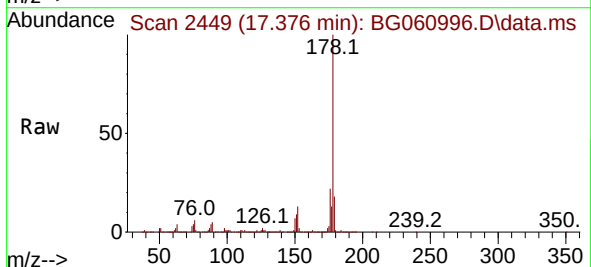
SP-1C

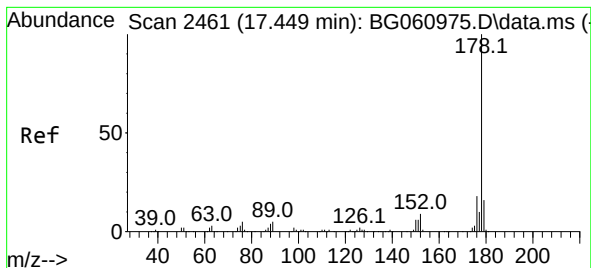
Tgt Ion:248 Resp: 9735
Ion Ratio Lower Upper
248 100
250 236.2 78.7 118.1#
141 414.5 50.4 75.6#



#71
Phenanthrene
Concen: 306.573 ng
RT: 17.376 min Scan# 2449
Delta R.T. 0.015 min
Lab File: BG060996.D
Acq: 22 Apr 2024 18:06

Tgt Ion:178 Resp: 3001125
Ion Ratio Lower Upper
178 100
176 22.3 16.0 24.0
179 17.5 12.5 18.7





#72

Anthracene

Concen: 66.979 ng

RT: 17.459 min Scan# 24

Delta R.T. 0.009 min

Lab File: BG060996.D

Acq: 22 Apr 2024 18:06

Instrument :

BNA_G

ClientSampleId :

SP-1C

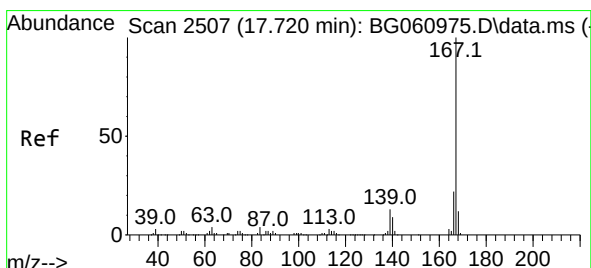
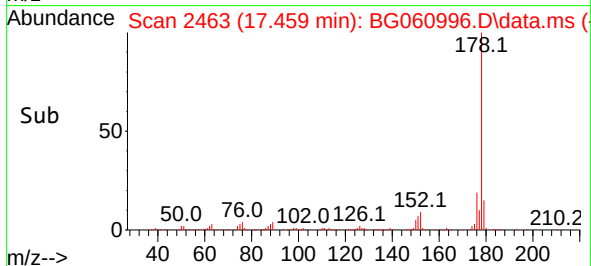
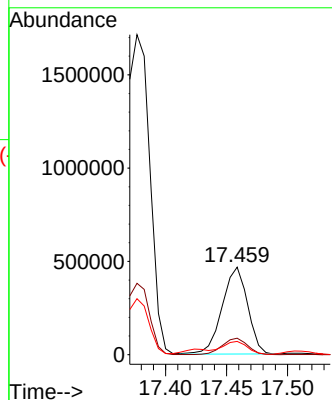
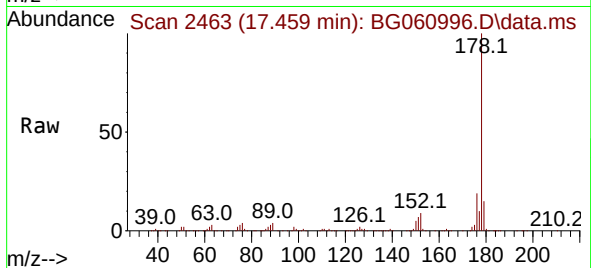
Tgt Ion:178 Resp: 675290

Ion Ratio Lower Upper

178 100

176 18.8 14.7 22.1

179 15.1 12.4 18.6



#73

Carbazole

Concen: 39.826 ng

RT: 17.723 min Scan# 2508

Delta R.T. 0.003 min

Lab File: BG060996.D

Acq: 22 Apr 2024 18:06

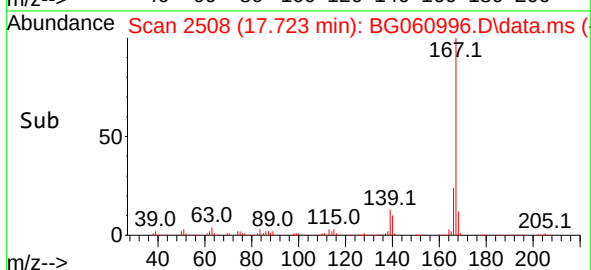
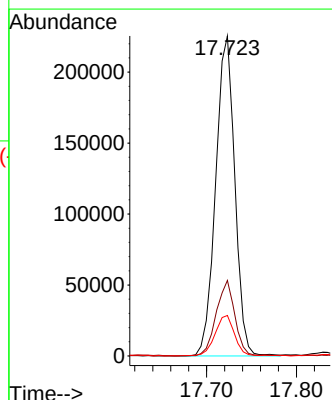
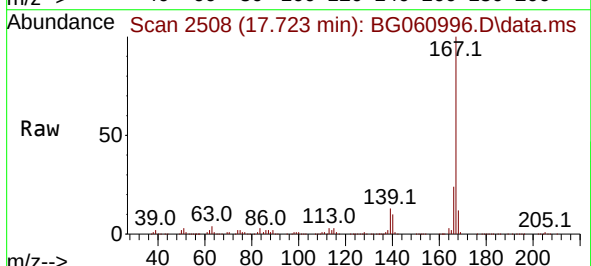
Tgt Ion:167 Resp: 333474

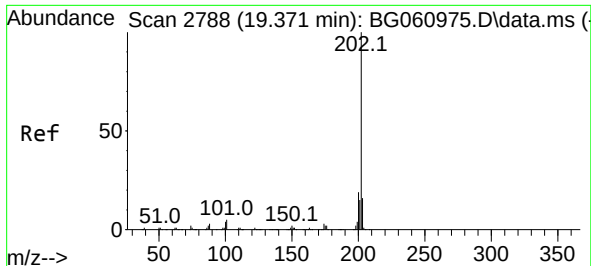
Ion Ratio Lower Upper

167 100

166 23.6 17.8 26.8

139 12.7 10.2 15.2

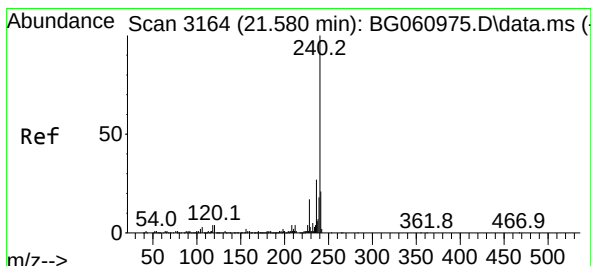
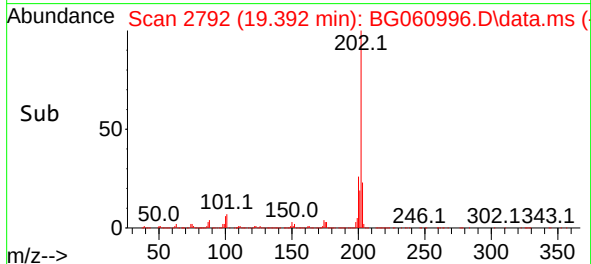
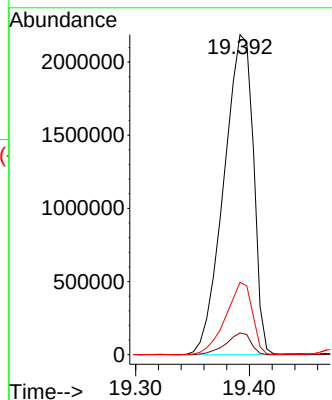
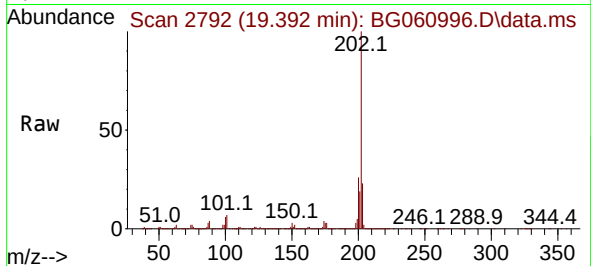




#75
Fluoranthene
Concen: 303.102 ng
RT: 19.392 min Scan# 21
Delta R.T. 0.021 min
Lab File: BG060996.D
Acq: 22 Apr 2024 18:06

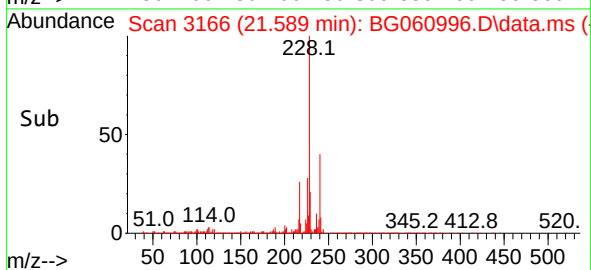
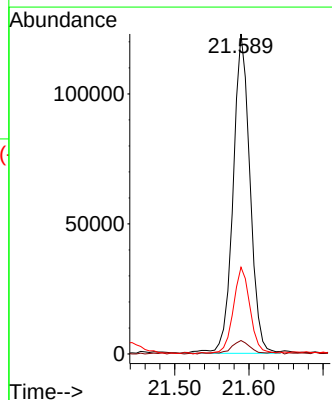
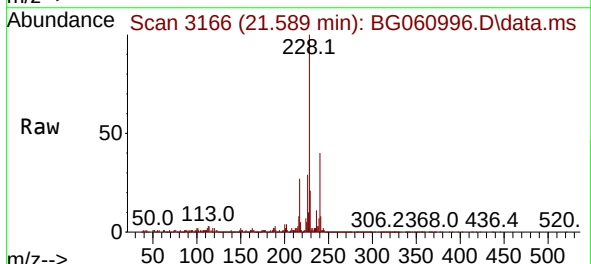
Instrument :
BNA_G
ClientSampleId :
SP-1C

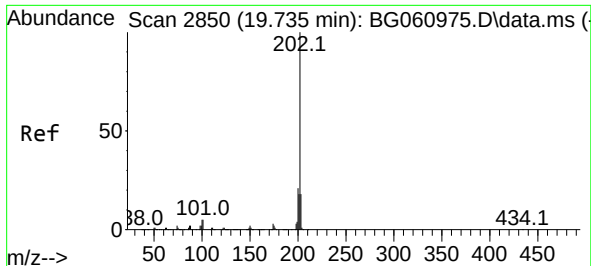
Tgt Ion:202 Resp: 3937796
Ion Ratio Lower Upper
202 100
101 6.8 0.0 24.9
203 22.6 0.0 36.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.589 min Scan# 3166
Delta R.T. 0.009 min
Lab File: BG060996.D
Acq: 22 Apr 2024 18:06

Tgt Ion:240 Resp: 194152
Ion Ratio Lower Upper
240 100
120 4.2 3.0 4.6
236 27.1 21.8 32.6

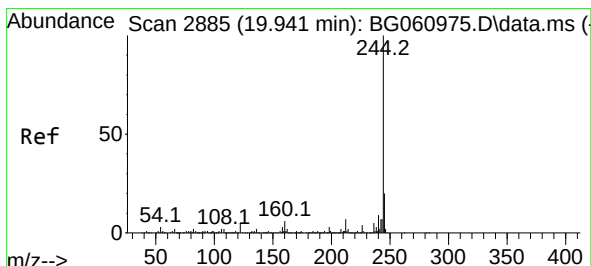
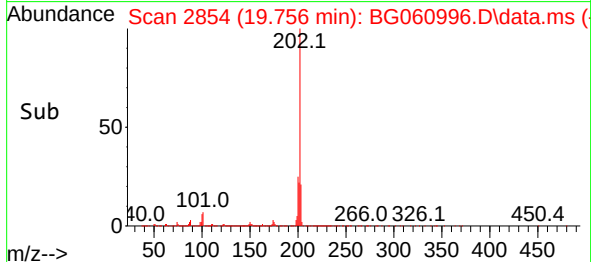
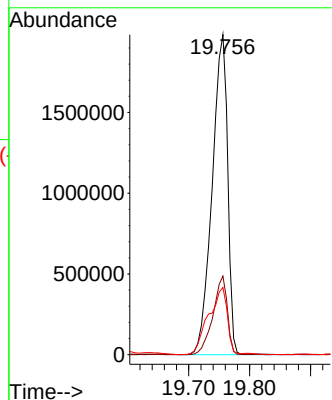
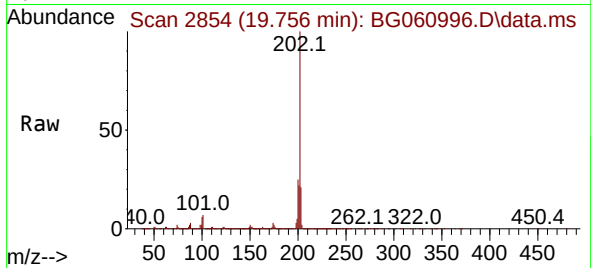




#78
 Pyrene
 Concen: 265.063 ng
 RT: 19.756 min Scan# 2854
 Delta R.T. 0.021 min
 Lab File: BG060996.D
 Acq: 22 Apr 2024 18:06

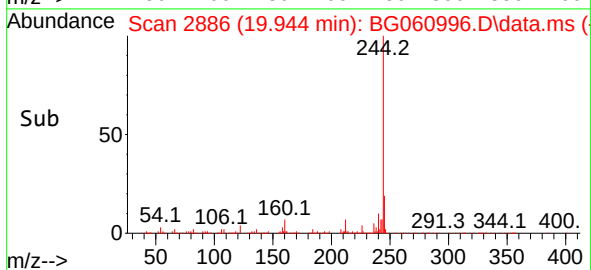
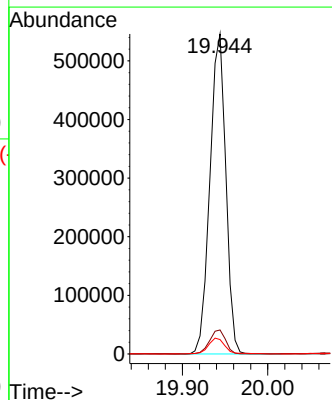
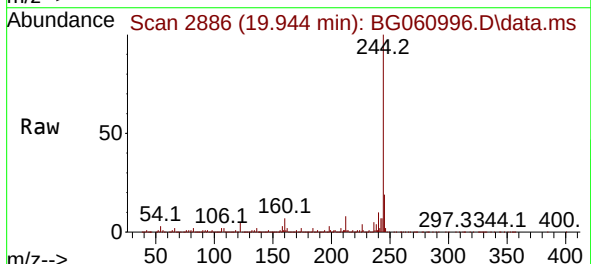
Instrument :
 BNA_G
 ClientSampleId :
 SP-1C

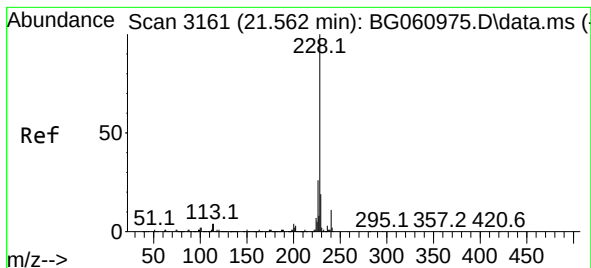
Tgt Ion:202 Resp: 3504063
 Ion Ratio Lower Upper
 202 100
 200 24.5 16.8 25.2
 203 21.0 14.2 21.2



#79
 Terphenyl-d14
 Concen: 56.535 ng
 RT: 19.944 min Scan# 2886
 Delta R.T. 0.003 min
 Lab File: BG060996.D
 Acq: 22 Apr 2024 18:06

Tgt Ion:244 Resp: 707141
 Ion Ratio Lower Upper
 244 100
 212 7.5 5.9 8.9
 122 4.5 4.2 6.2





#81

Benzo(a)anthracene

Concen: 139.486 ng

RT: 21.572 min Scan# 3163

Delta R.T. 0.009 min

Lab File: BG060996.D

Acq: 22 Apr 2024 18:06

Instrument :

BNA_G

ClientSampleId :

SP-1C

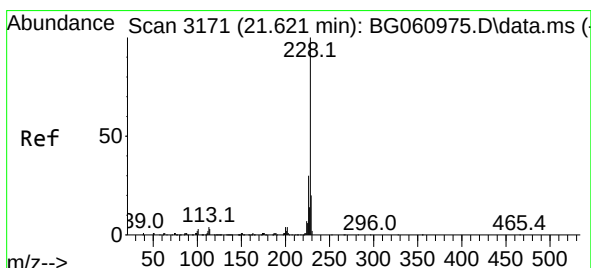
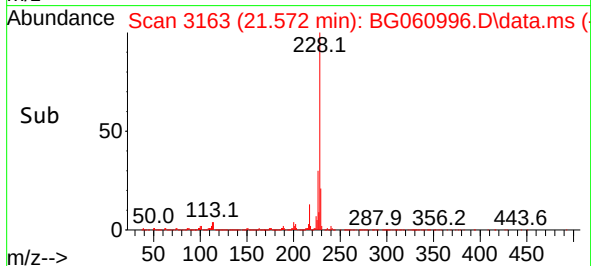
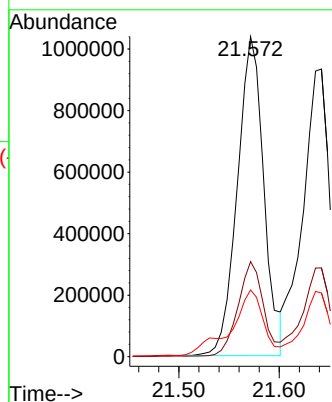
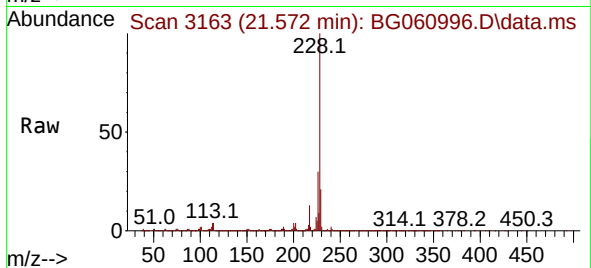
Tgt Ion:228 Resp: 1903991

Ion Ratio Lower Upper

228 100

226 29.7 21.0 31.4

229 20.9 15.0 22.4



#83

Chrysene

Concen: 132.523 ng

RT: 21.642 min Scan# 3175

Delta R.T. 0.021 min

Lab File: BG060996.D

Acq: 22 Apr 2024 18:06

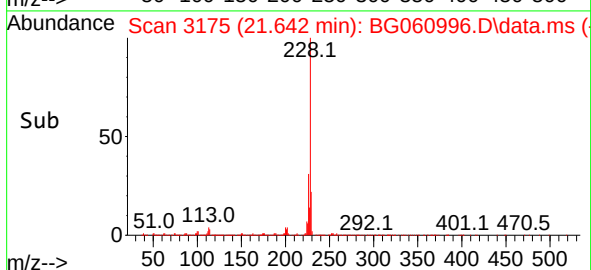
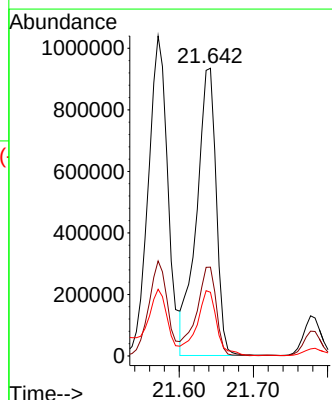
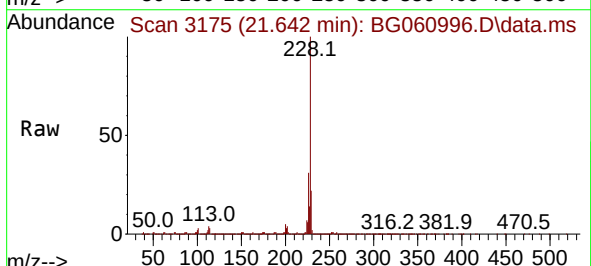
Tgt Ion:228 Resp: 1722267

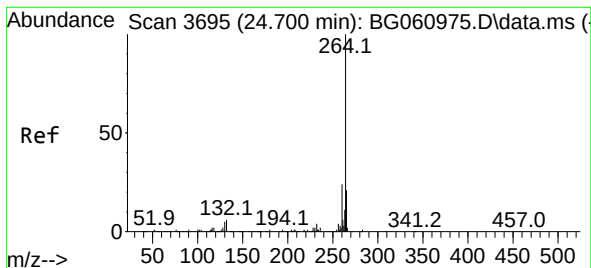
Ion Ratio Lower Upper

228 100

226 30.9 24.2 36.2

229 22.1 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.721 min Scan# 3

Delta R.T. 0.021 min

Lab File: BG060996.D

Acq: 22 Apr 2024 18:06

Instrument :

BNA_G

ClientSampleId :

SP-1C

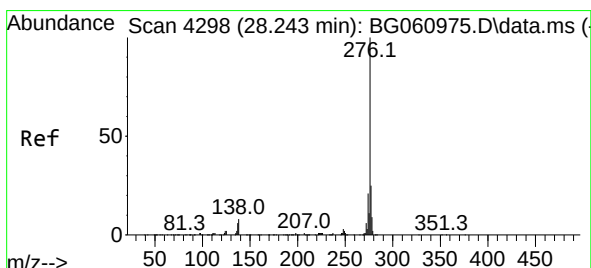
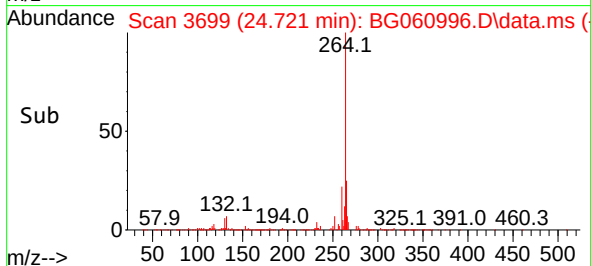
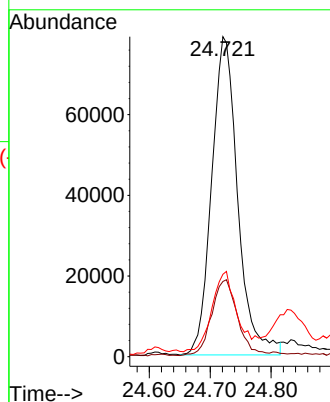
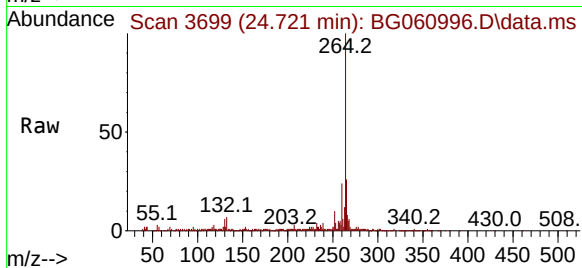
Tgt Ion:264 Resp: 234219

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.2

265 25.8 17.0 25.4#



#87

Indeno(1,2,3-cd)pyrene

Concen: 50.496 ng

RT: 28.281 min Scan# 4305

Delta R.T. 0.039 min

Lab File: BG060996.D

Acq: 22 Apr 2024 18:06

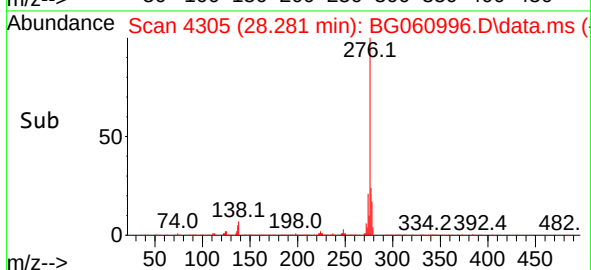
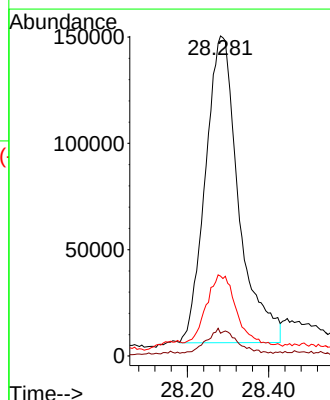
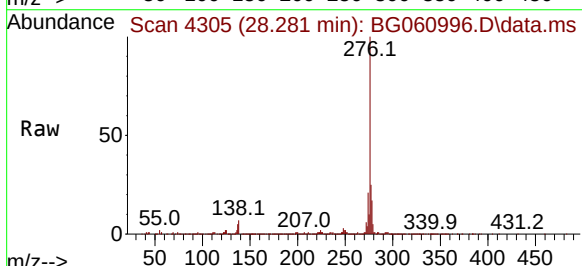
Tgt Ion:276 Resp: 820457

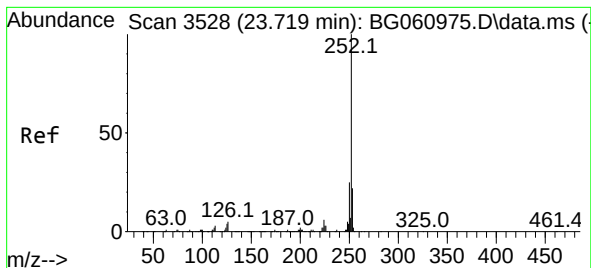
Ion Ratio Lower Upper

276 100

138 3.7 5.3 7.9#

277 21.4 20.6 30.8





#88

Benzo(b)fluoranthene

Concen: 163.543 ng

RT: 23.751 min Scan# 3

Delta R.T. 0.033 min

Lab File: BG060996.D

Acq: 22 Apr 2024 18:06

Instrument :

BNA_G

ClientSampleId :

SP-1C

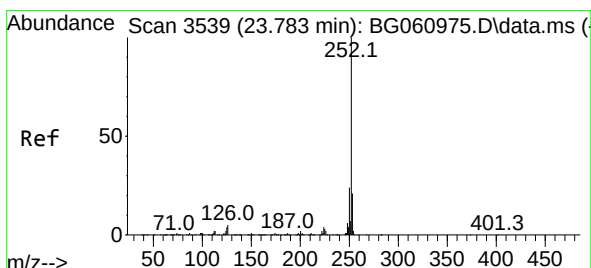
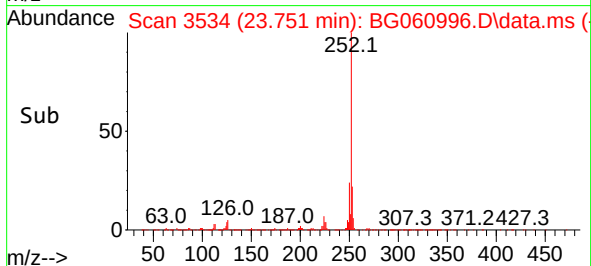
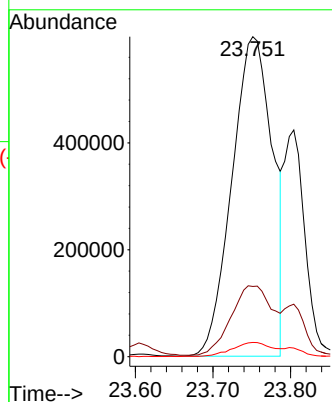
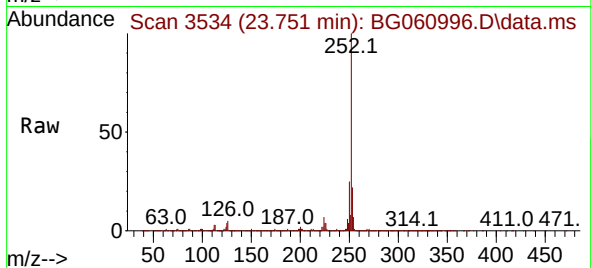
Tgt Ion:252 Resp: 2170719

Ion Ratio Lower Upper

252 100

253 22.0 17.5 26.3

125 4.5 3.3 4.9



#89

Benzo(k)fluoranthene

Concen: 162.007 ng

RT: 23.751 min Scan# 3534

Delta R.T. -0.032 min

Lab File: BG060996.D

Acq: 22 Apr 2024 18:06

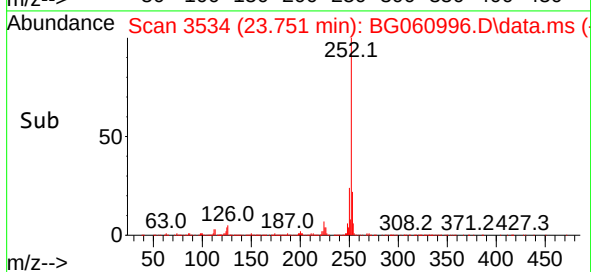
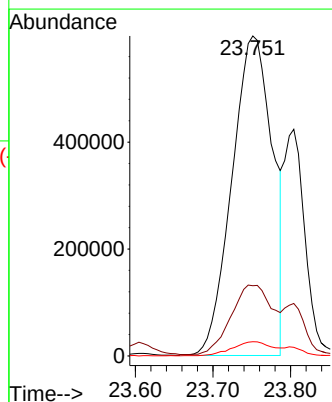
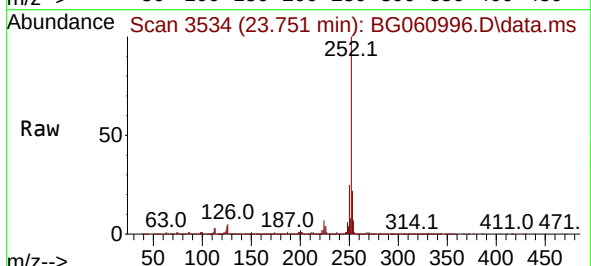
Tgt Ion:252 Resp: 2170719

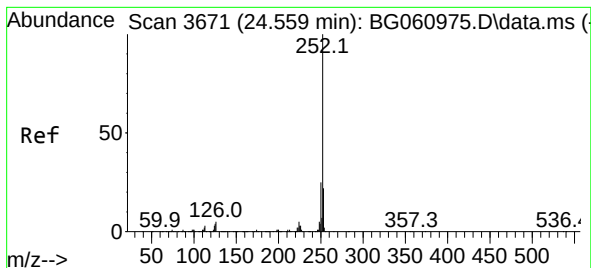
Ion Ratio Lower Upper

252 100

253 22.0 16.6 25.0

125 4.5 3.3 4.9





#90

Benzo(a)pyrene

Concen: 120.404 ng

RT: 24.592 min Scan# 3

Delta R.T. 0.033 min

Lab File: BG060996.D

Acq: 22 Apr 2024 18:06

Instrument :

BNA_G

ClientSampleId :

SP-1C

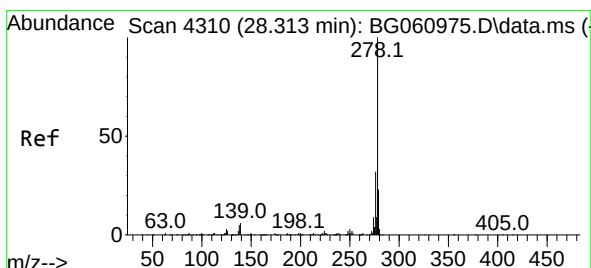
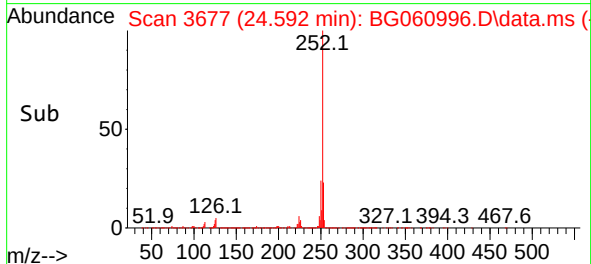
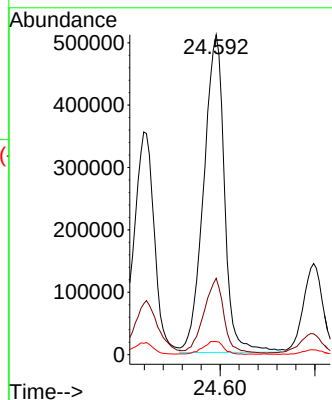
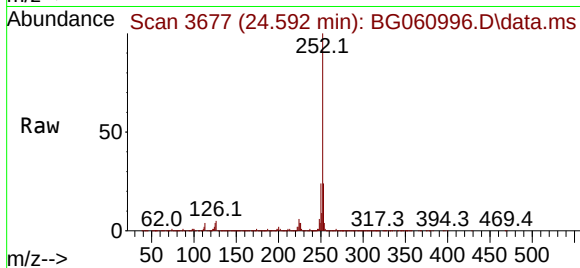
Tgt Ion:252 Resp: 1546872

Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

125 4.1 3.6 5.4



#91

Dibenzo(a,h)anthracene

Concen: 9.484 ng

RT: 28.734 min Scan# 4382

Delta R.T. 0.421 min

Lab File: BG060996.D

Acq: 22 Apr 2024 18:06

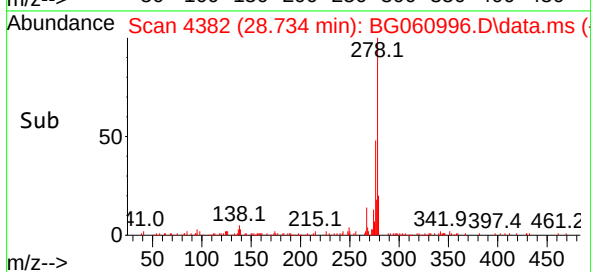
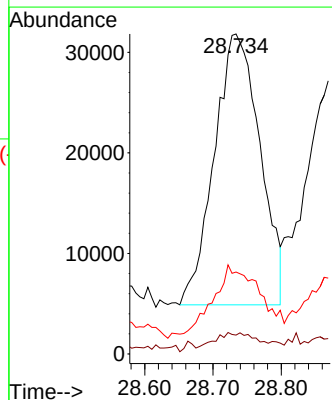
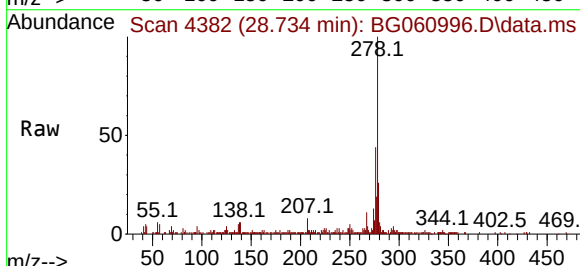
Tgt Ion:278 Resp: 125898

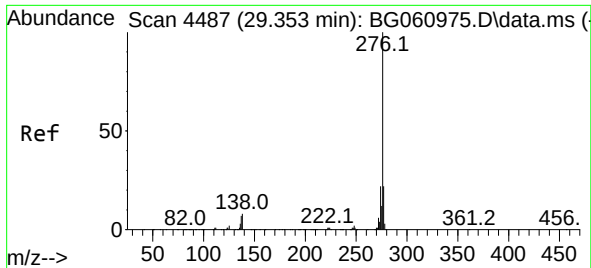
Ion Ratio Lower Upper

278 100

139 5.9 4.7 7.1

279 25.6 18.2 27.4





#92
Benzo(g,h,i)perylene
Concen: 59.214 ng
RT: 29.392 min Scan# 44
Delta R.T. 0.039 min
Lab File: BG060996.D
Acq: 22 Apr 2024 18:06

Instrument :
BNA_G
ClientSampleId :
SP-1C

Tgt Ion:276 Resp: 779381
Ion Ratio Lower Upper
276 100
277 25.2 18.0 27.0
138 8.4 6.5 9.7

