

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
 Data File : BG042200.D
 Acq On : 14 Aug 2019 8:03
 Operator : HP/JU
 Sample : K4304-06
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB5N7

Quant Time: Aug 14 10:46:25 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 10:42:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	89143	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	368736	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	250574	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	507358	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	493725	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	591093	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	8266	4.06	ng/uL	0.00
5) Phenol-d5	7.18	99	198436	28.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	102318	26.15	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	180027	30.10	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	170472	29.02	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	89493	32.24	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	112669	34.96	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	205525	31.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	230087	31.87	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	586385	30.17	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	696216	31.36	ng/ul	0.00
51) 4-Nitrophenol-d4	14.89	143	76990	23.59	ng/ul	0.00
57) Fluorene-d10	15.68	176	520095	30.08	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	76853	23.61	ng/ul	0.00
70) Anthracene-d10	17.54	188	752687	30.92	ng/ul	0.00
78) Pyrene-d10	19.83	212	841228	30.53	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	961340	31.13	ng/ul	0.00

Target Compounds

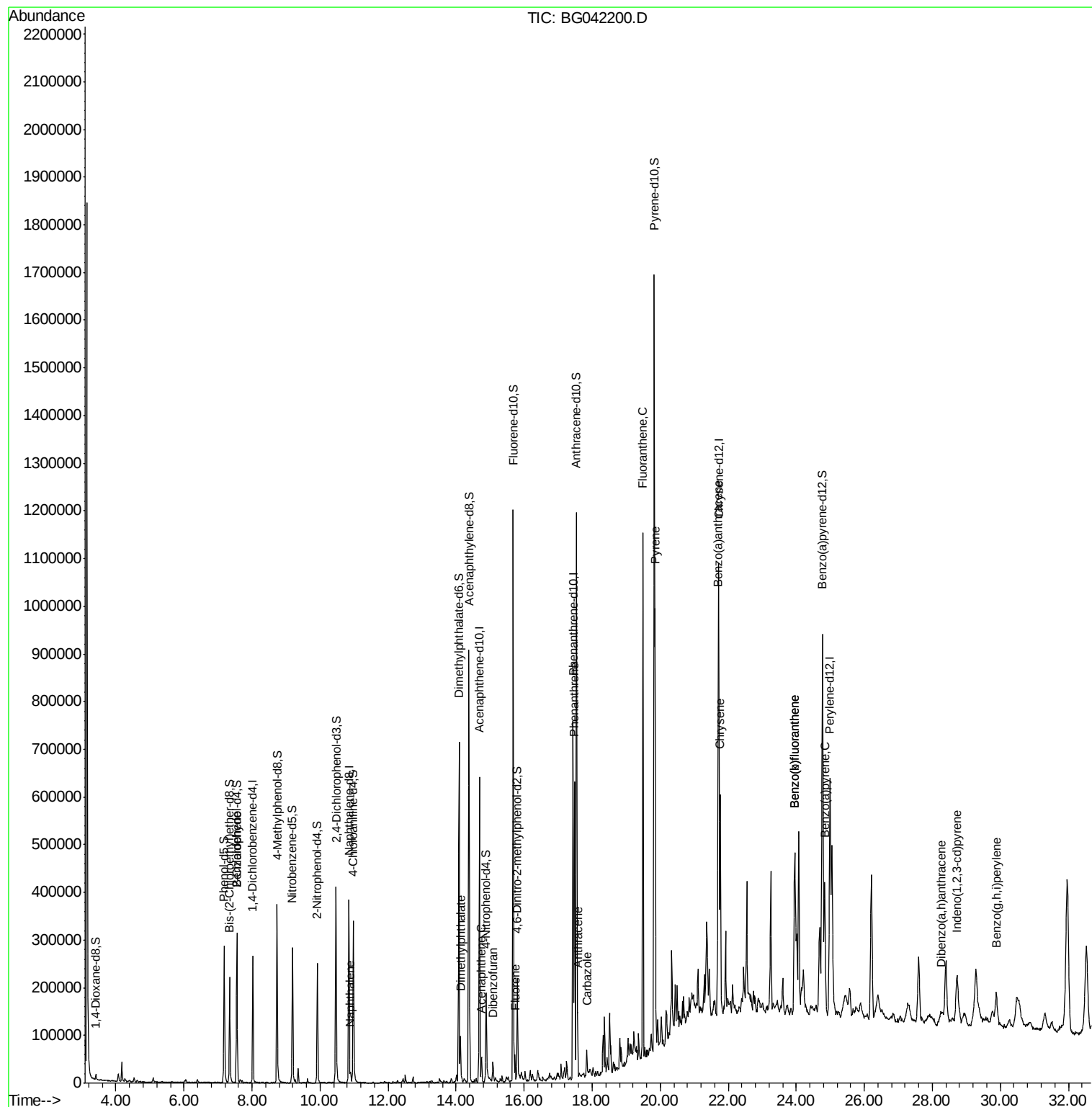
					Ovalue
4) Benzaldehyde	7.55	77	3670	1.110	ng/ul 90
28) Naphthalene	10.90	128	21904	1.162	ng/ul 99
44) Dimethylphthalate	14.13	163	73068	3.787	ng/ul 99
49) Acenaphthene	14.75	153	24019	1.533	ng/ul 94
53) Dibenzofuran	15.09	168	23725	1.015	ng/ul 97
58) Fluorene	15.73	166	25762	1.368	ng/ul 98
69) Phenanthrene	17.48	178	431198	15.524	ng/ul 100
71) Anthracene	17.57	178	90331	3.207	ng/ul 97
74) Carbazole	17.84	167	38555	1.652	ng/ul 97
76) Fluoranthene	19.49	202	718446	22.387	ng/ul 97
79) Pyrene	19.86	202	599800	18.060	ng/ul 97
82) Benzo(a)anthracene	21.70	228	362152	10.579	ng/ul 98
84) Chrysene	21.77	228	334807	10.479	ng/ul 98
87) Benzo(b)fluoranthene	23.96	252	458910	12.371	ng/ul 98
88) Benzo(k)fluoranthene	23.96	252	458910	12.867	ng/ul 99
90) Benzo(a)pyrene	24.84	252	323410	9.149	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	28.72	276	196796	4.773	ng/ul 97
92) Dibenz(a,h)anthracene	28.26	278	35704	1.062	ng/ul 99
93) Benzo(g,h,i)perylene	29.89	276	155051	4.504	ng/ul 97

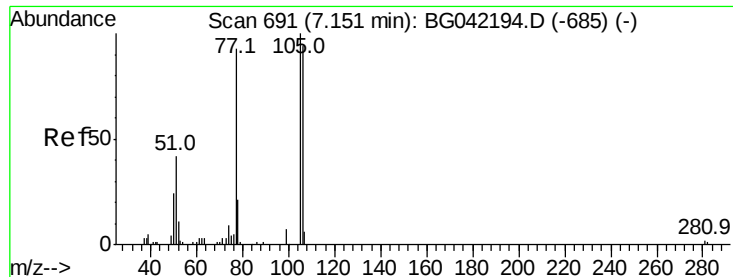
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#4

Benzaldehyde

Concen: 1.110 ng/ul

RT: 7.55 min Scan# 760

Delta R.T. 0.40 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

Instrument :

BNA_G

ClientSampleId :

CB5N7

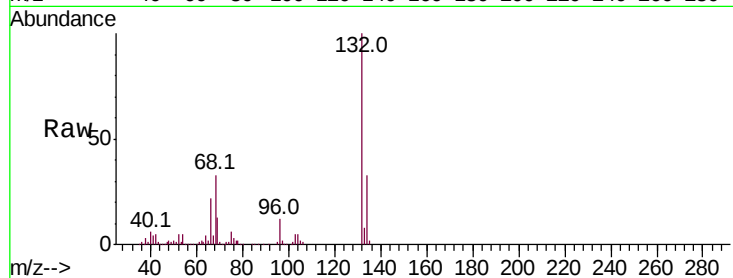
Tot Ion: 77 Resp: 3670

Ion Ratio Lower Upper

77 100

105 103.2 80.7 121.1

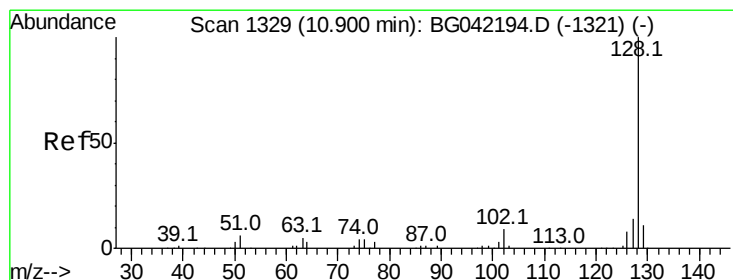
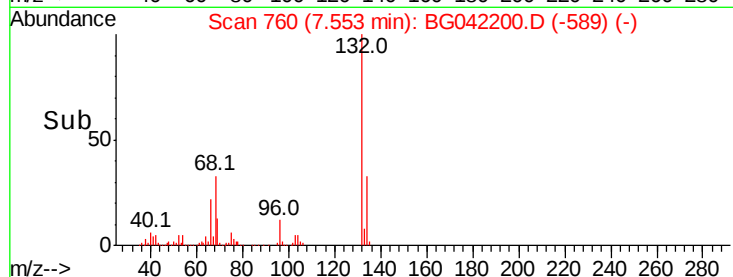
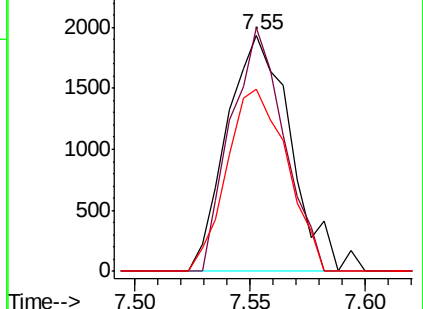
106 77.3 76.3 114.5



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#28

Naphthalene

Concen: 1.162 ng/ul

RT: 10.90 min Scan# 1329

Delta R.T. -0.00 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

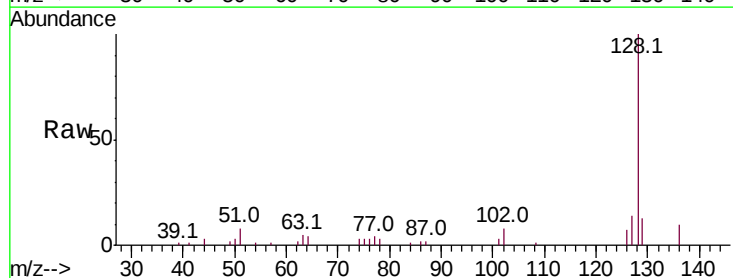
Tgt Ion: 128 Resp: 21904

Ion Ratio Lower Upper

128 100

129 12.7 9.5 14.3

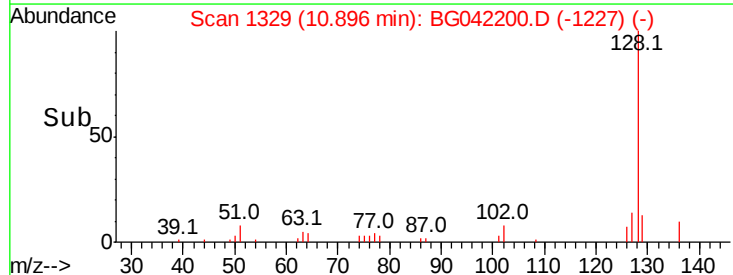
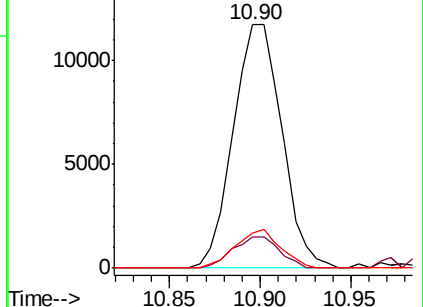
127 14.3 11.4 17.0

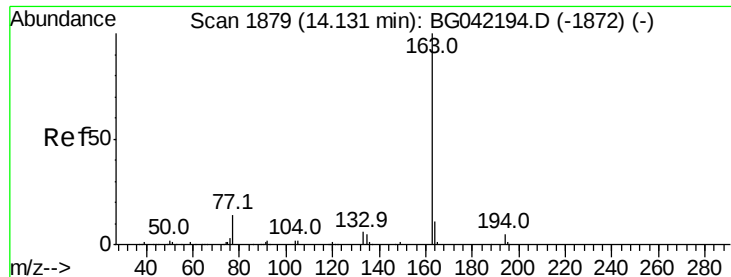


Abundance Ion 128.00 (127.70 to 128.70): BGC

Ion 129.00 (128.70 to 129.70): BGC

Ion 127.00 (126.70 to 127.70): BGC





#44

Dimethylphthalate

Concen: 3.787 ng/ul

RT: 14.13 min Scan# 1879

Delta R.T. -0.00 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

Instrument :

BNA_G

ClientSampleId :

CB5N7

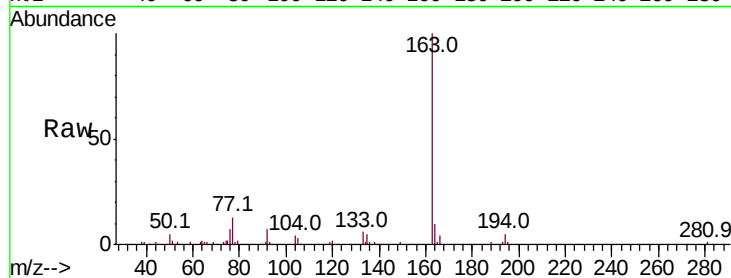
Tot Ion:163 Resp: 73068

Ion Ratio Lower Upper

163 100

194 4.8 4.2 6.2

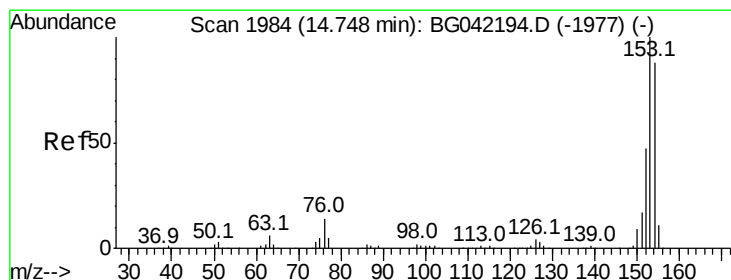
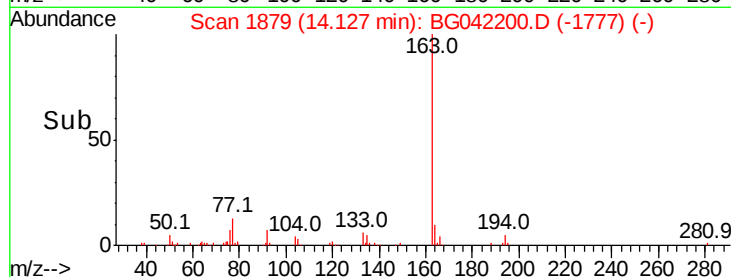
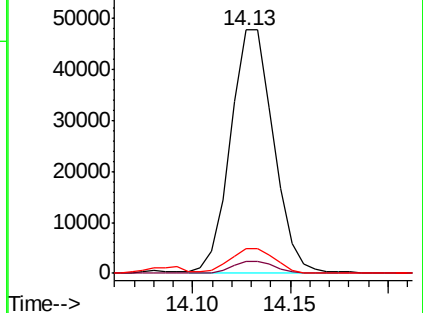
164 9.9 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#49

Acenaphthene

Concen: 1.533 ng/ul

RT: 14.75 min Scan# 1985

Delta R.T. 0.00 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

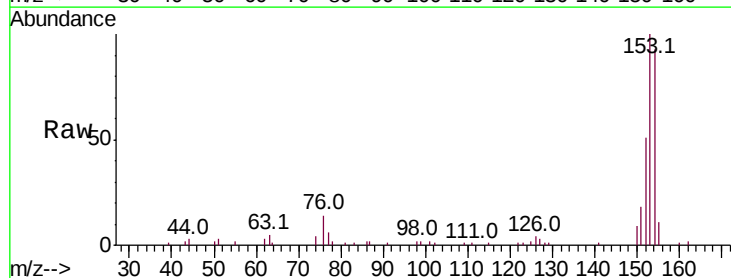
Tgt Ion:153 Resp: 24019

Ion Ratio Lower Upper

153 100

152 50.9 37.8 56.8

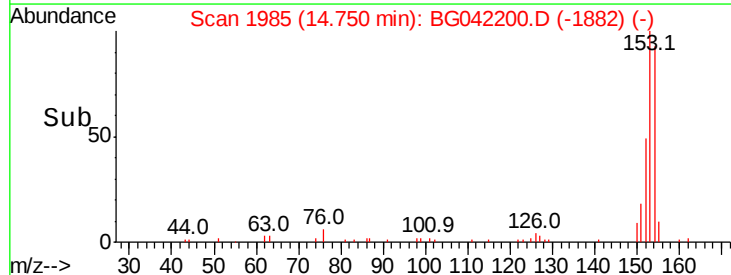
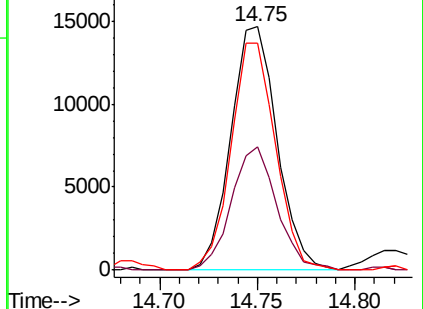
154 93.4 69.4 104.2

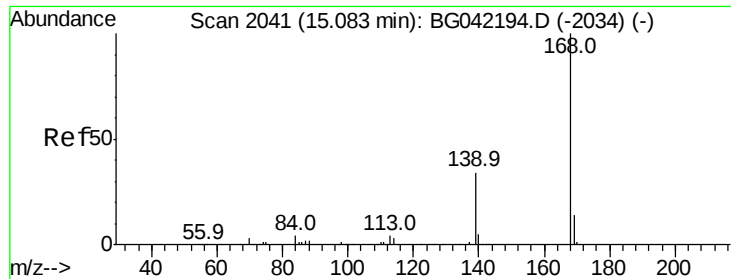


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.015 ng/ul

RT: 15.09 min Scan# 2042

Delta R.T. 0.00 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

Instrument :

BNA_G

ClientSampleId :

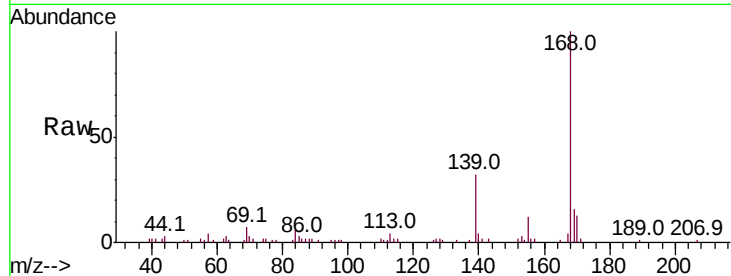
CB5N7

Tot Ion:168 Resp: 23725

Ion Ratio Lower Upper

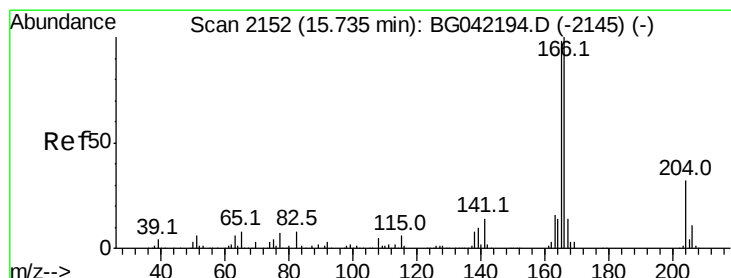
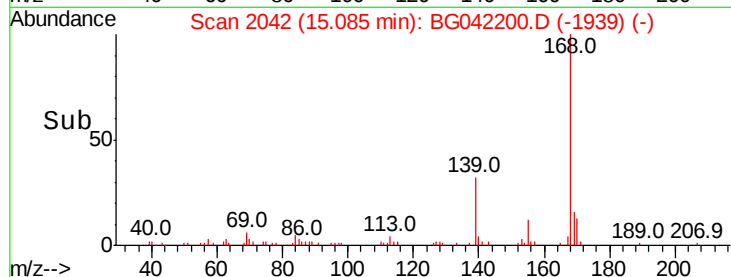
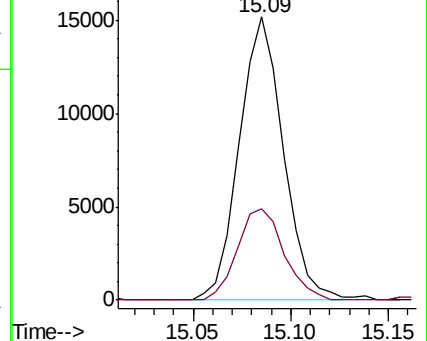
168 100

139 32.4 27.3 40.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#58

Fluorene

Concen: 1.368 ng/ul

RT: 15.73 min Scan# 2152

Delta R.T. -0.00 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

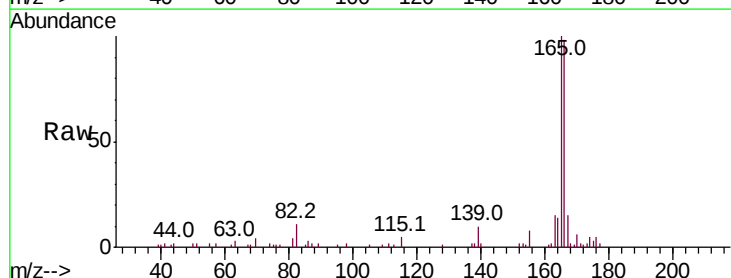
Tgt Ion:166 Resp: 25762

Ion Ratio Lower Upper

166 100

165 102.5 81.1 121.7

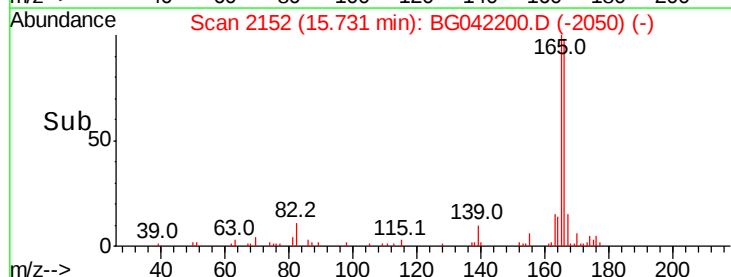
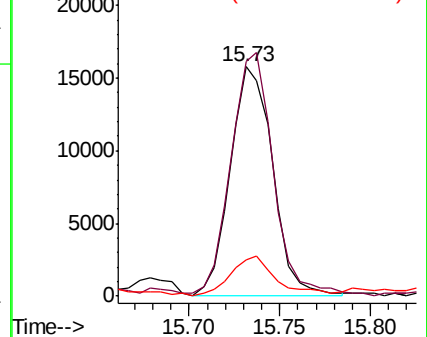
167 15.7 11.0 16.4

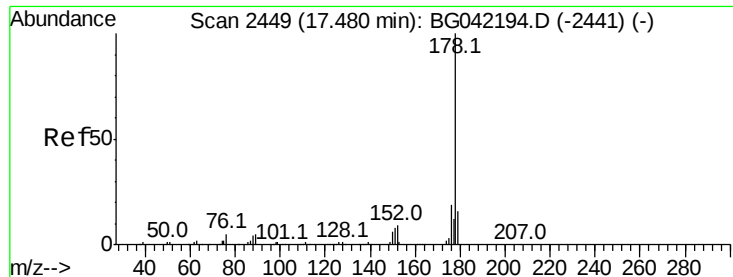


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 15.524 ng/ul

RT: 17.48 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

Instrument :

BNA_G

ClientSampleId :

CB5N7

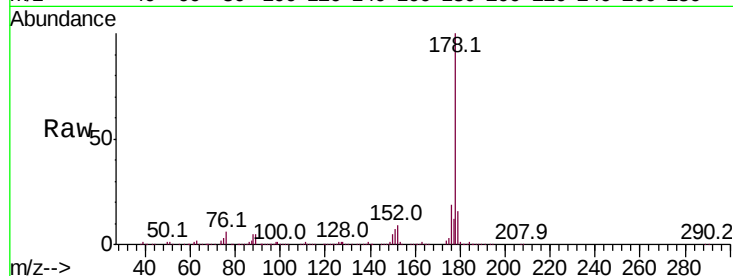
Tot Ion:178 Resp: 431198

Ion Ratio Lower Upper

178 100

179 15.7 12.8 19.2

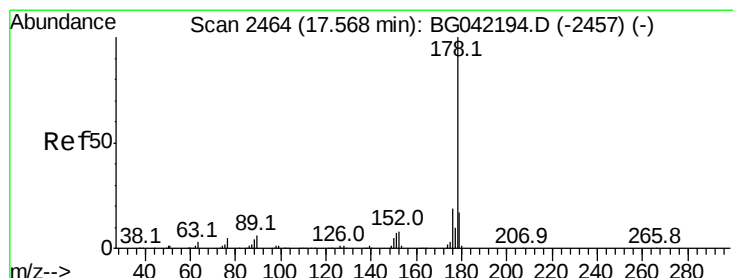
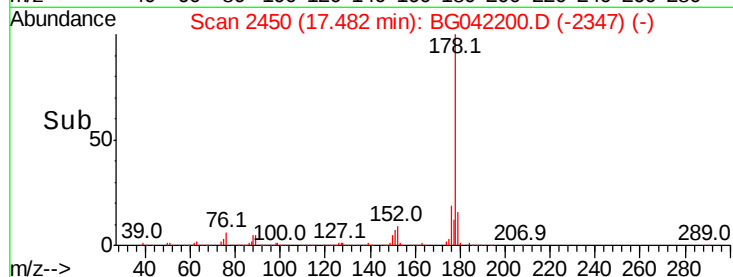
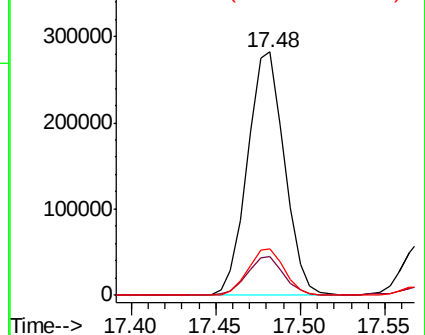
176 19.3 15.4 23.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 3.207 ng/ul

RT: 17.57 min Scan# 2465

Delta R.T. -0.00 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

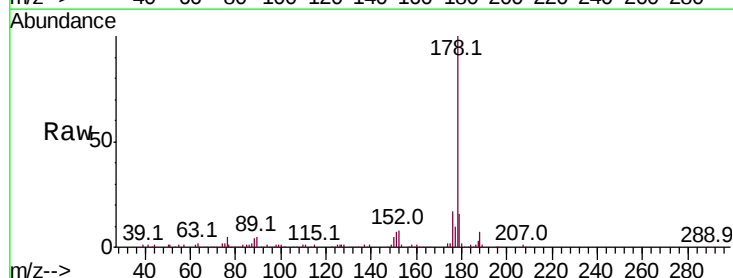
Tgt Ion:178 Resp: 90331

Ion Ratio Lower Upper

178 100

179 16.0 13.4 20.0

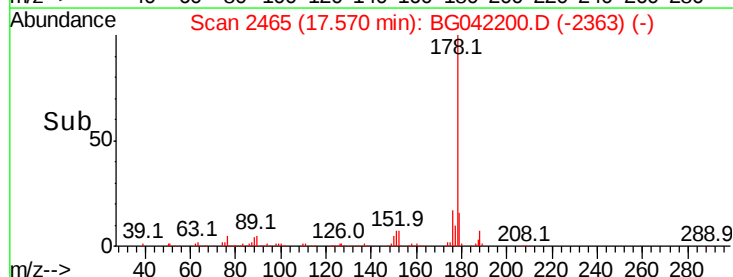
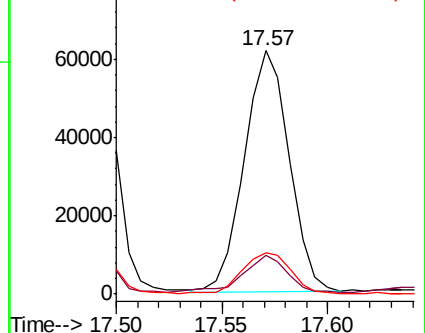
176 17.2 15.4 23.2

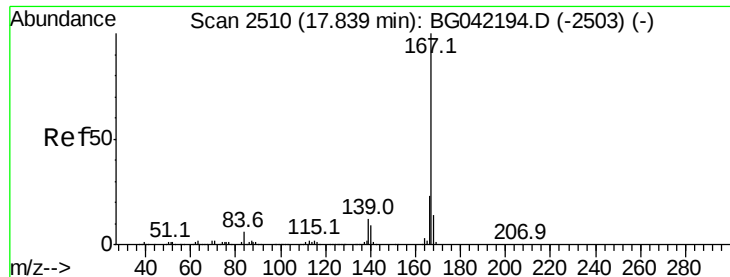


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 1.652 ng/ul

RT: 17.84 min Scan# 2511

Delta R.T. 0.00 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

Instrument :

BNA_G

ClientSampleId :

CB5N7

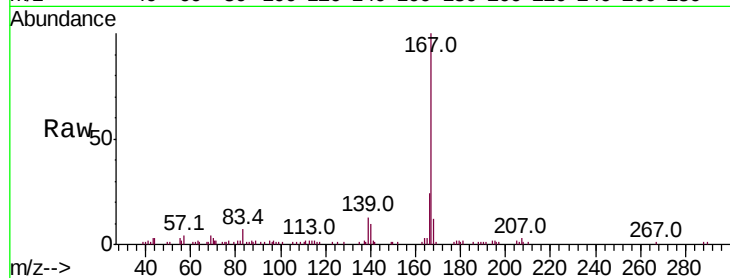
Tot Ion:167 Resp: 38555

Ion Ratio Lower Upper

167 100

166 24.2 18.2 27.4

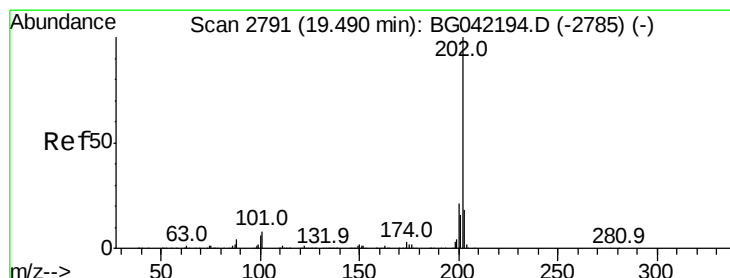
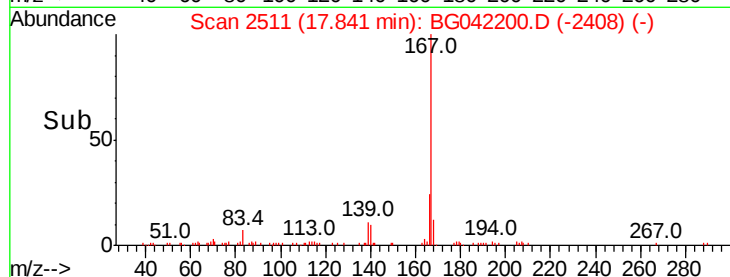
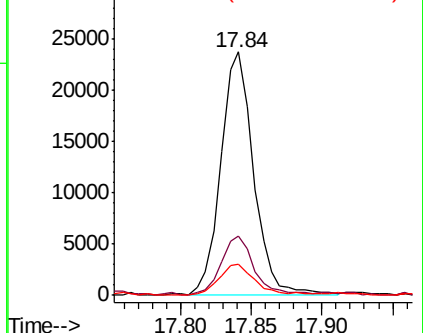
139 12.7 9.6 14.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#76

Fluoranthene

Concen: 22.387 ng/ul

RT: 19.49 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

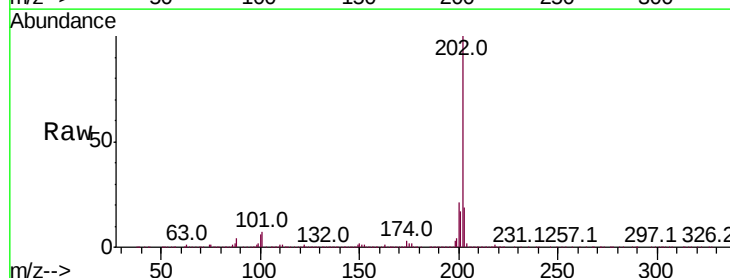
Tgt Ion:202 Resp: 718446

Ion Ratio Lower Upper

202 100

101 7.5 6.7 10.1

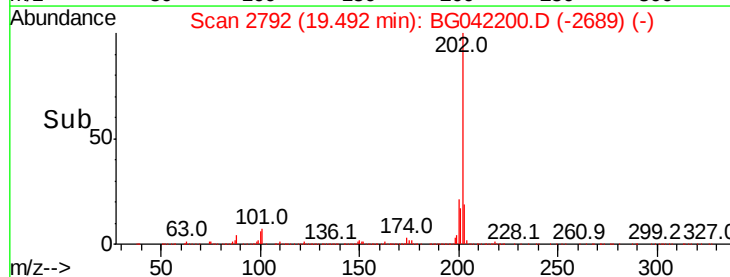
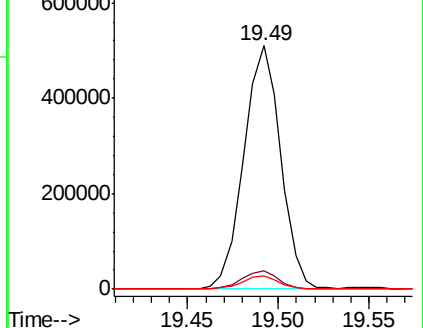
100 5.6 5.3 7.9

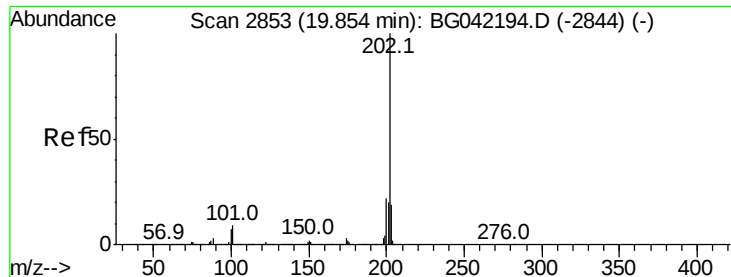


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pvrene

Concen: 18.060 ng/ul

RT: 19.86 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

Instrument :

BNA_G

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CB5N7

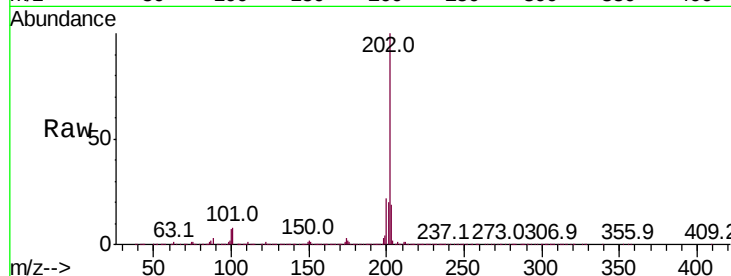
Tot Ion:202 Resp: 599800

Ion Ratio Lower Upper

202 100

101 8.4 7.6 11.4

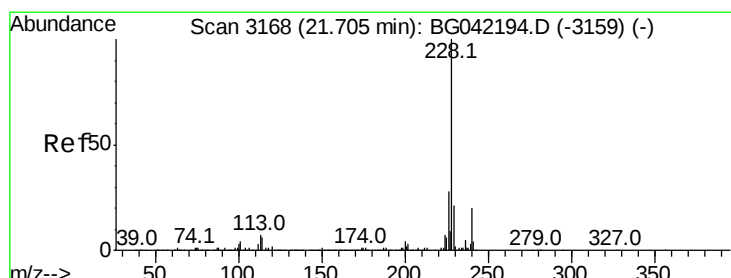
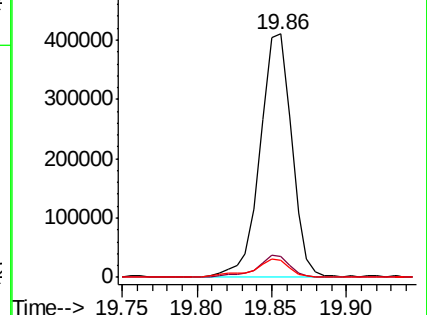
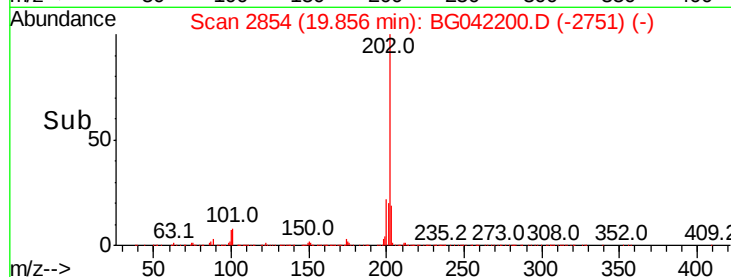
100 7.3 6.5 9.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 10.579 ng/ul

RT: 21.70 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

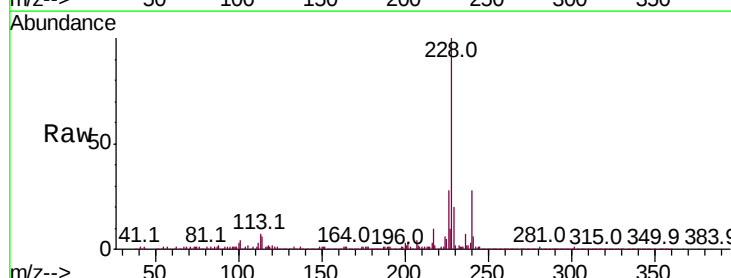
Tgt Ion:228 Resp: 362152

Ion Ratio Lower Upper

228 100

229 20.4 17.0 25.6

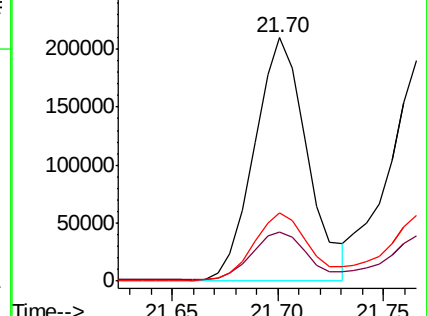
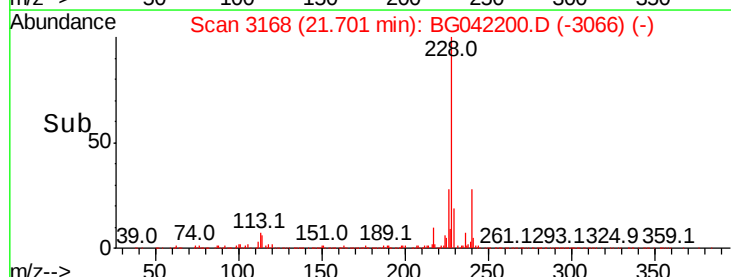
226 28.2 23.3 34.9

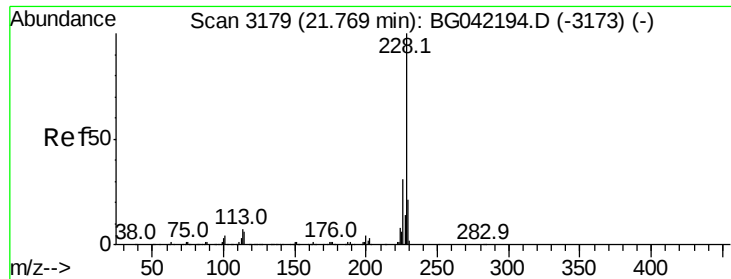


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 10.479 ng/ul

RT: 21.77 min Scan# 3179

Delta R.T. -0.00 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

Instrument :

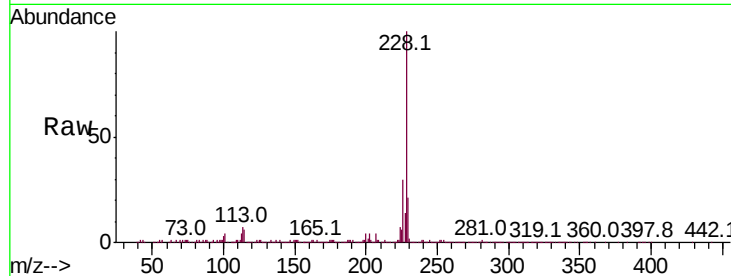
BNA_G

ClientSampleId :

CB5N7

Tot Ion:228 Resp: 334807

Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.7	38.5
229	20.8	16.6	24.8

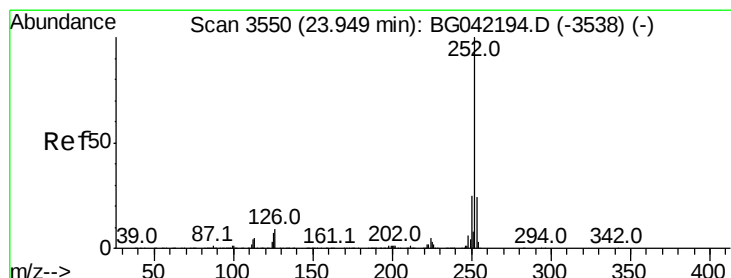
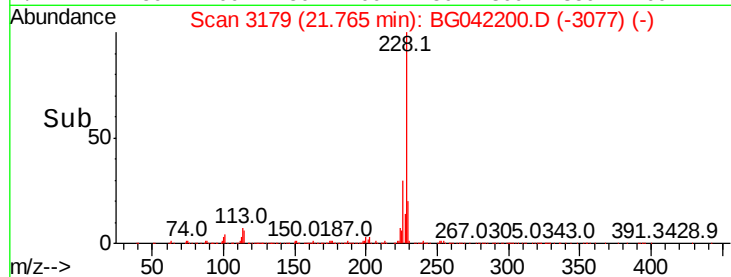
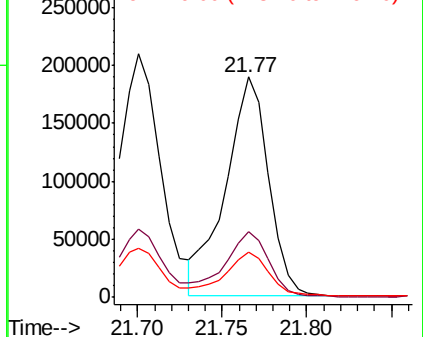


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87

Benzo(b)fluoranthene

Concen: 12.371 ng/ul

RT: 23.96 min Scan# 3552

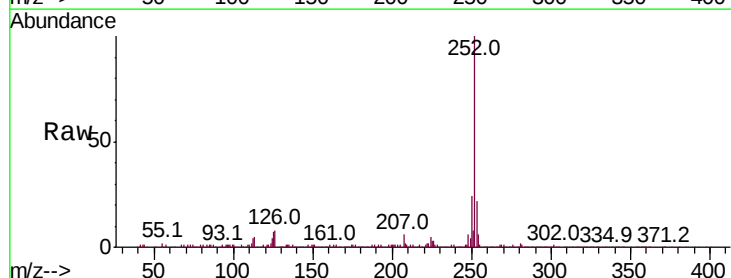
Delta R.T. 0.01 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

Tgt Ion:252 Resp: 458910

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.4	27.6
125	6.7	5.8	8.8

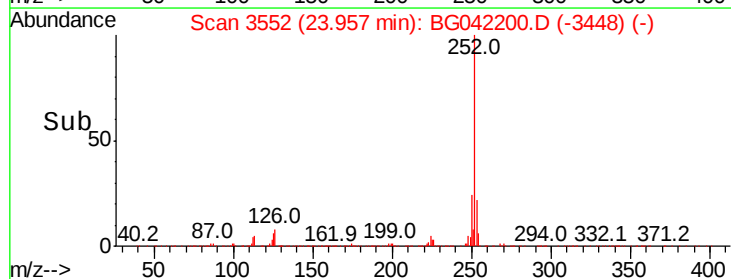
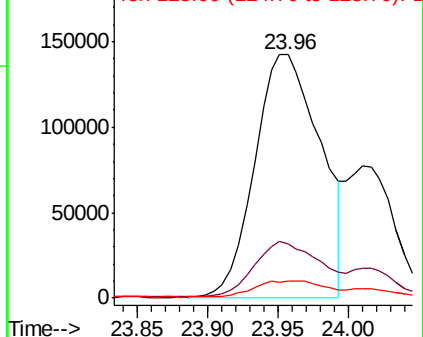


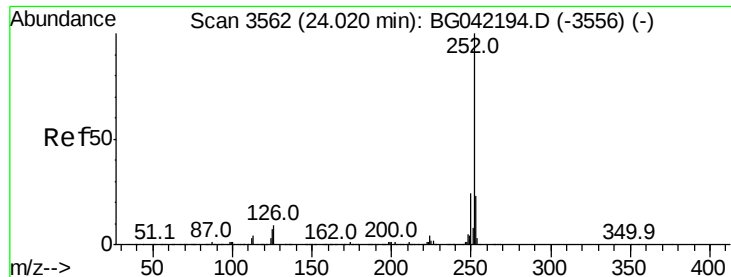
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 12.867 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. -0.06 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

Instrument :

BNA_G

ClientSampleId :

CB5N7

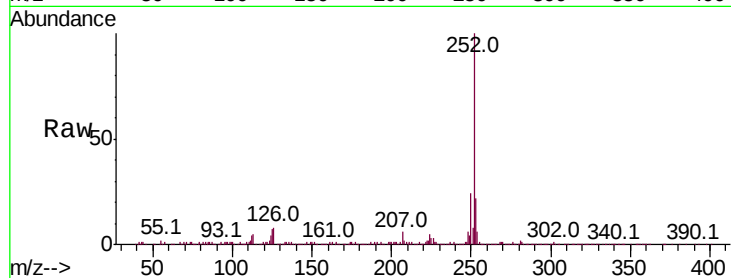
Tot Ion:252 Resp: 458910

Ion Ratio Lower Upper

252 100

253 22.2 18.3 27.5

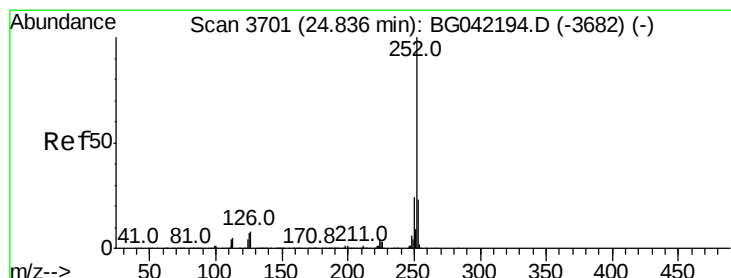
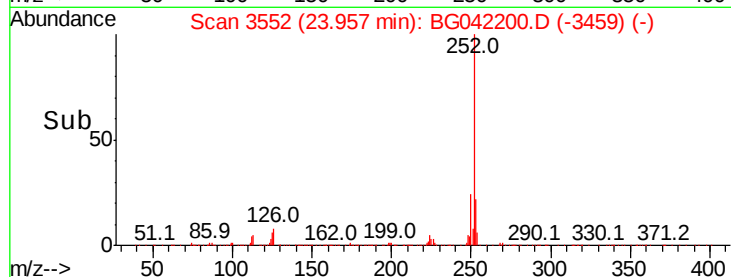
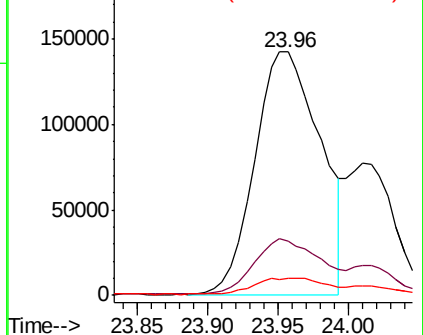
125 6.7 5.5 8.3



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 9.149 ng/ul

RT: 24.84 min Scan# 3702

Delta R.T. 0.00 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

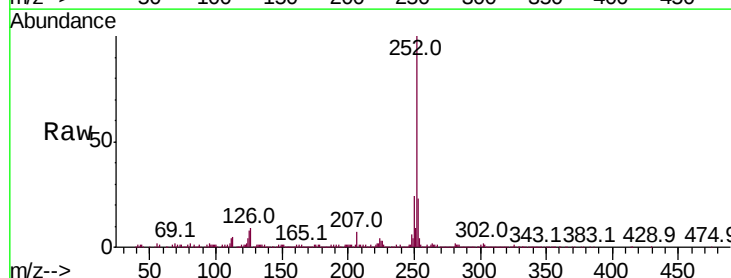
Tgt Ion:252 Resp: 323410

Ion Ratio Lower Upper

252 100

253 22.6 18.3 27.5

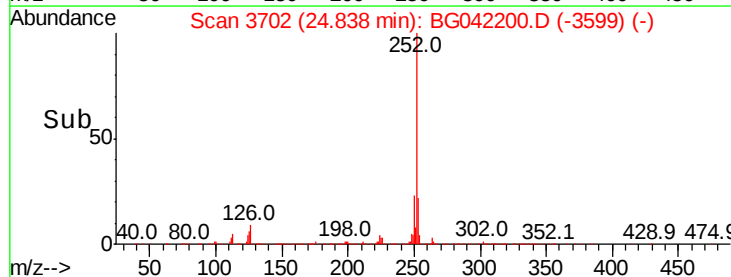
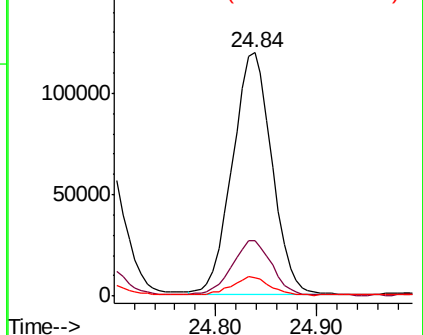
125 7.6 6.5 9.7

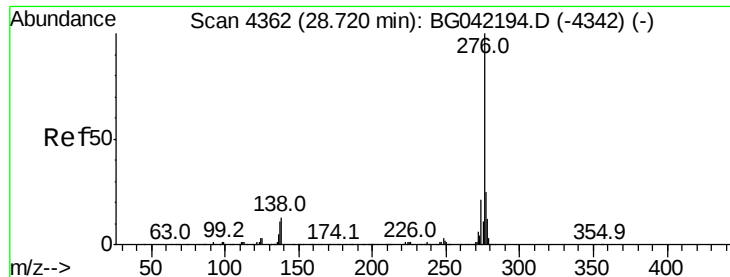


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 4.773 ng/ul

RT: 28.72 min Scan# 4362

Delta R.T. 0.00 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

Instrument :

BNA_G

ClientSampled :

CB5N7

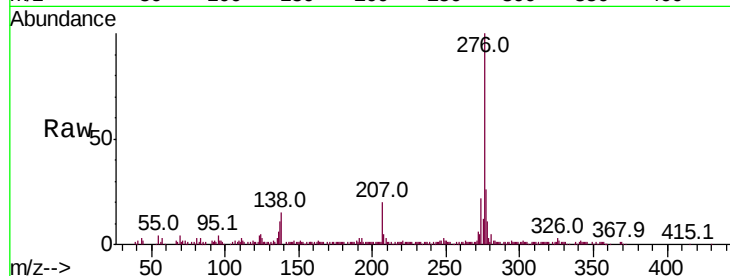
Tot Ion:276 Resp: 196796

Ion Ratio Lower Upper

276 100

138 15.2 12.0 18.0

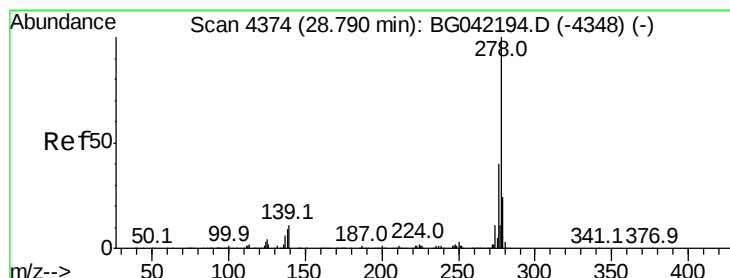
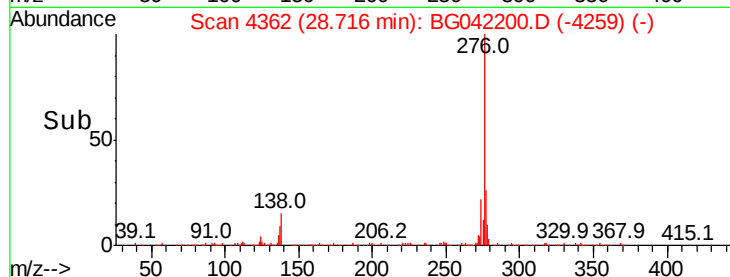
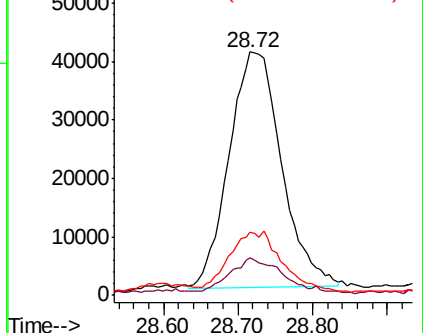
277 26.1 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#92

Dibenzo(a,h)anthracene

Concen: 1.062 ng/ul

RT: 28.26 min Scan# 4284

Delta R.T. -0.52 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

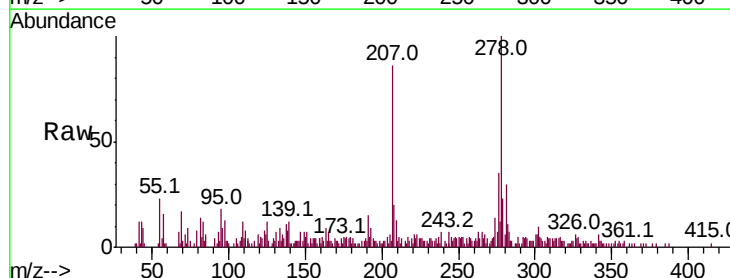
Tgt Ion:278 Resp: 35704

Ion Ratio Lower Upper

278 100

139 11.7 9.4 14.0

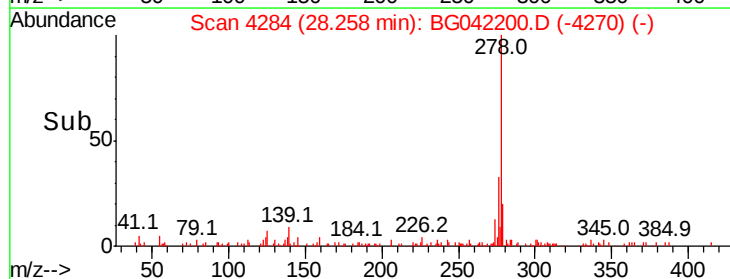
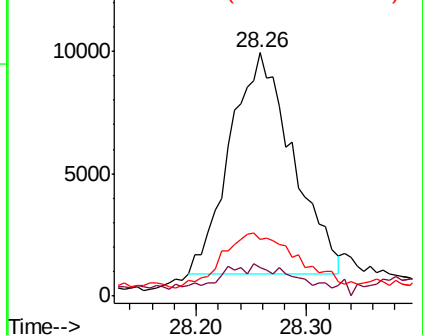
279 23.1 19.2 28.8

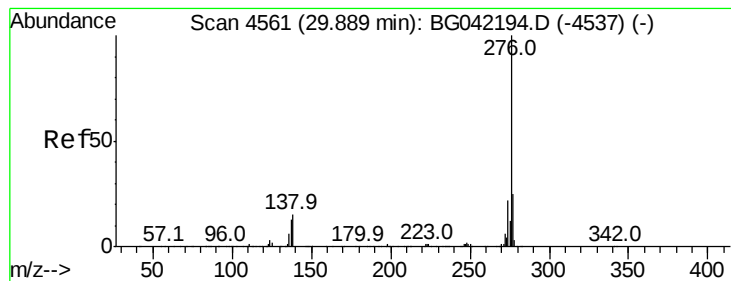


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 4.504 ng/ul

RT: 29.89 min Scan# 4561

Delta R.T. 0.01 min

Lab File: BG042200.D

Acq: 14 Aug 2019 8:03

Instrument :

BNA_G

ClientSampleId :

CB5N7

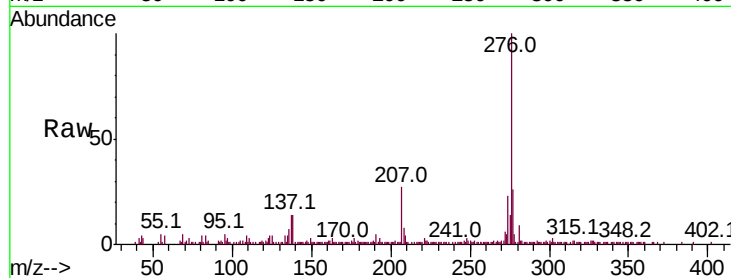
Tot Ion:276 Resp: 155051

Ion Ratio Lower Upper

276 100

138 14.4 12.6 18.8

277 25.8 19.2 28.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

