

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG081319\
 Data File : BG042204.D
 Acq On : 14 Aug 2019 10:37
 Operator : HP/JU
 Sample : K4304-10
 Misc :
 ALS Vial : 66 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB5P1

Quant Time: Aug 14 11:19:47 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 13 04:44:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	95831	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	397829	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	268765	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	543041	20.00	ng/ul	0.00
77) Chrysene-d12	21.73	240	527988	20.00	ng/ul	0.00
85) Perylene-d12	25.00	264	645712	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	9178	4.19	ng/uL	0.00
5) Phenol-d5	7.18	99	213803	28.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	107684	25.60	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	196248	30.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	184310	29.19	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	99427	33.20	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	124672	35.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	224025	31.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	259637	33.33	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	647478	31.06	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	771567	32.40	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	92444	26.41	ng/ul	0.00
57) Fluorene-d10	15.68	176	577845	31.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	88024	25.26	ng/ul	0.00
70) Anthracene-d10	17.54	188	828684	31.81	ng/ul	0.00
78) Pyrene-d10	19.83	212	934303	31.71	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.78	264	1104874	32.75	ng/ul	0.01

Target Compounds

					Ovalue
28) Naphthalene	10.90	128	145590	7.158	ng/ul 99
30) 4-Chloroaniline	10.90	127	20325	2.597	ng/ul# 7
34) 2-Methylnaphthalene	12.51	142	88450	5.472	ng/ul 97
40) 1,1'-Biphenyl	13.52	154	32720	1.674	ng/ul 97
44) Dimethylphthalate	14.13	163	36182	1.748	ng/ul 98
47) Acenaphthylene	14.41	152	78785	3.278	ng/ul# 95
49) Acenaphthene	14.75	153	120064	7.145	ng/ul 100
53) Dibenzofuran	15.09	168	183142	7.302	ng/ul 97
58) Fluorene	15.74	166	205864	10.191	ng/ul 99
69) Phenanthrene	17.58	178	350557	11.792	ng/ul 99
71) Anthracene	17.58	178	350557	11.626	ng/ul 98
74) Carbazole	17.84	167	143007	5.726	ng/ul 99
76) Fluoranthene	19.65	202	52953	1.542	ng/ul 96
79) Pyrene	19.86	202	2059772	57.996	ng/ul 96
82) Benzo(a)anthracene	21.71	228	1143010	31.223	ng/ul 97
84) Chrysene	21.77	228	1218241	35.655	ng/ul 98
87) Benzo(b)fluoranthene	23.97	252	1484016	36.623	ng/ul 99
88) Benzo(k)fluoranthene	23.97	252	1484016	38.089	ng/ul 98
90) Benzo(a)pyrene	24.86	252	1057596	27.389	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	28.75	276	621052	13.789	ng/ul 98
92) Dibenzo(a,h)anthracene	28.78	278	101981	2.776	ng/ul 94
93) Benzo(a,h,i)perylene	29.91	276	516350	13.732	ng/ul 98

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QLast Update : Tue Aug 13 04:44:41 2019
Response via : Initial Calibration

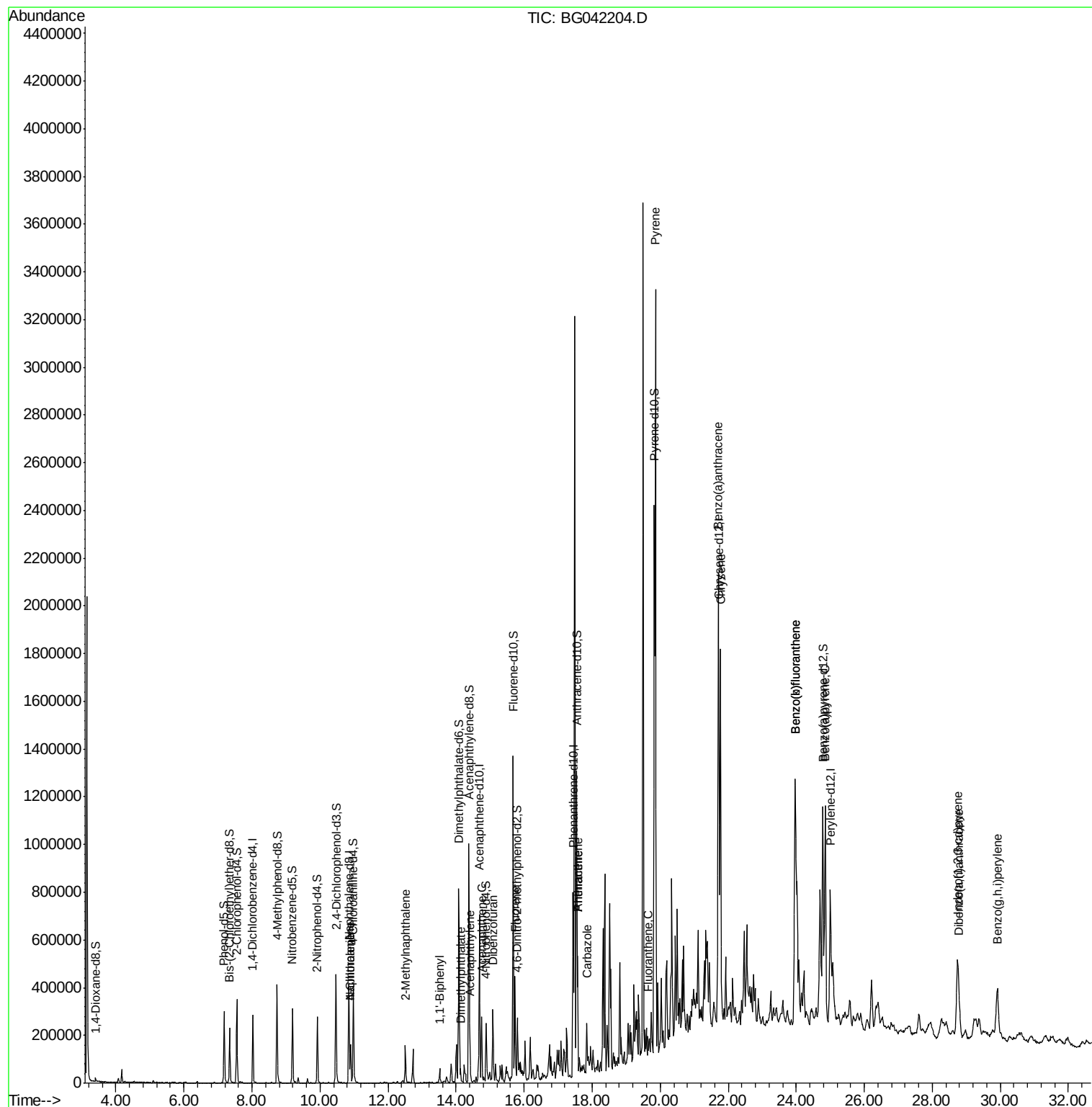
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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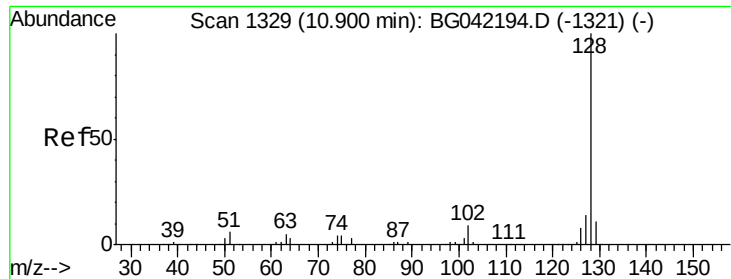
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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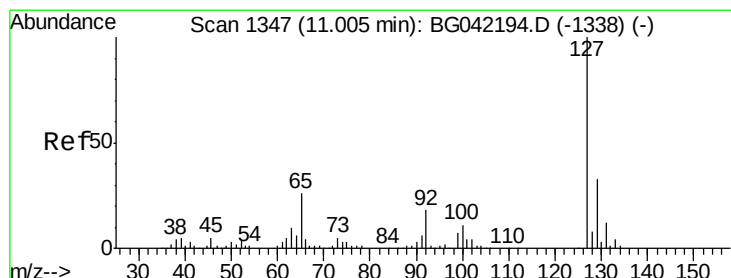
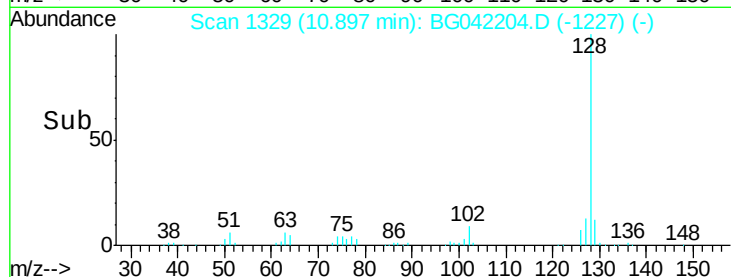
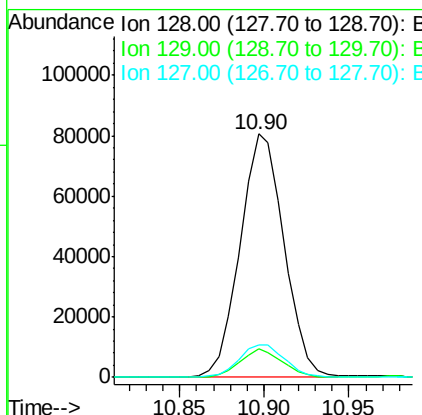
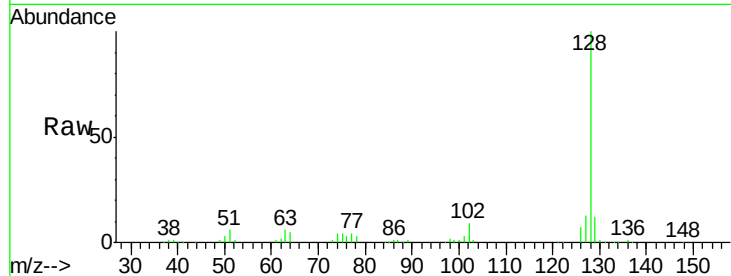




#28
Naphthalene
Concen: 7.158 ng/ul
RT: 10.90 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BG042204.D
Acq: 14 Aug 2019 10:37

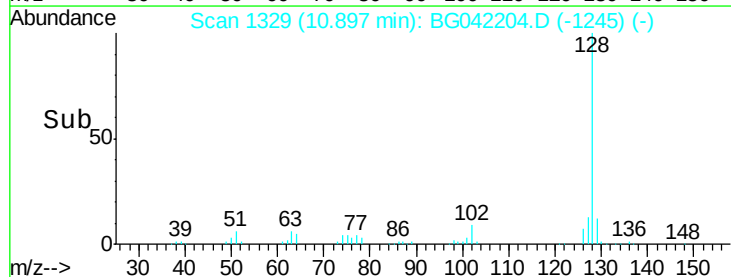
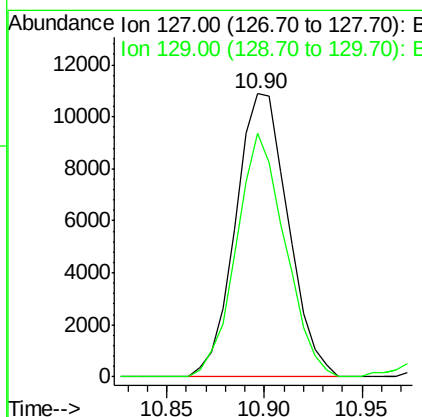
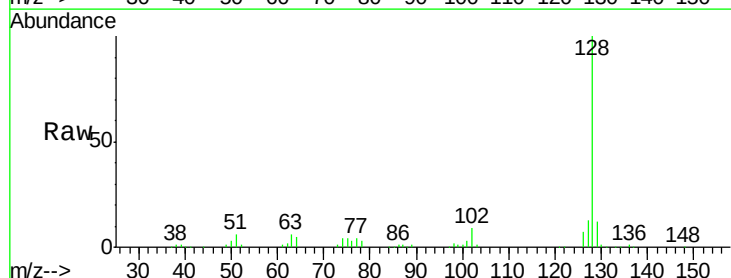
Instrument :
BNA_G
ClientSampleId :
CB5P1

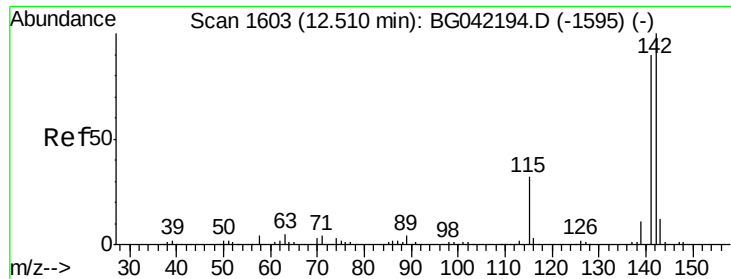
Tot Ion:128 Resp: 145590
Ion Ratio Lower Upper
128 100
129 11.6 9.5 14.3
127 13.5 11.4 17.0



#30
4-Chloroaniline
Concen: 2.597 ng/ul
RT: 10.90 min Scan# 1329
Delta R.T. -0.11 min
Lab File: BG042204.D
Acq: 14 Aug 2019 10:37

Tgt Ion:127 Resp: 20325
Ion Ratio Lower Upper
127 100
129 85.9 26.5 39.7#

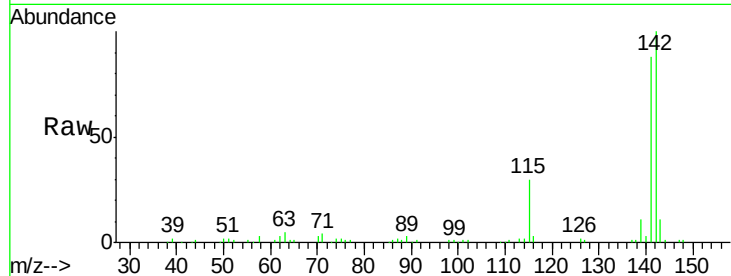




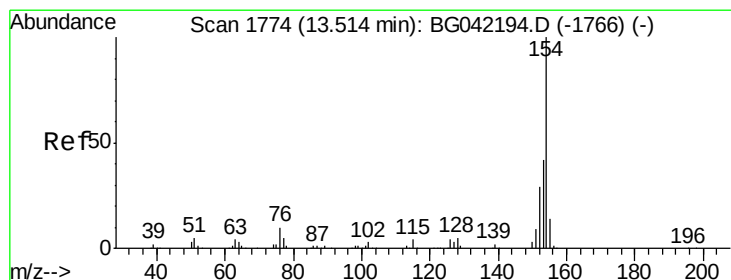
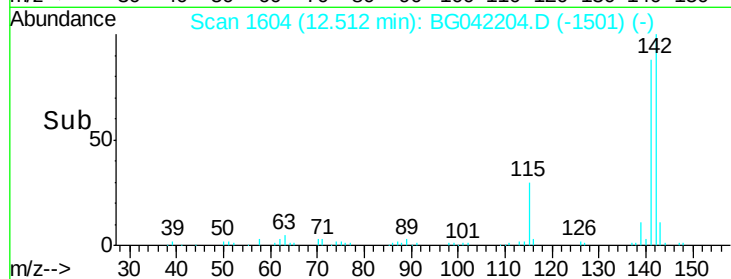
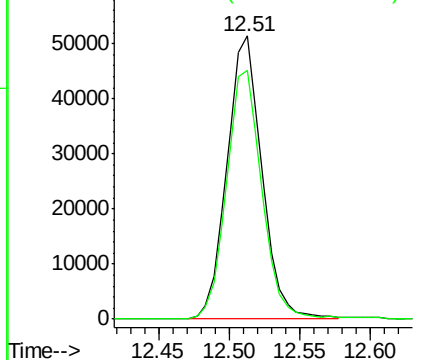
#34
 2-Methylnaphthalene
 Concen: 5.472 ng/ul
 RT: 12.51 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: BG042204.D
 Acq: 14 Aug 2019 10:37

Instrument :
 BNA_G
 ClientSampleId :
 CB5P1

Tot Ion:142 Resp: 88450
 Ion Ratio Lower Upper
 142 100
 141 88.0 72.9 109.3

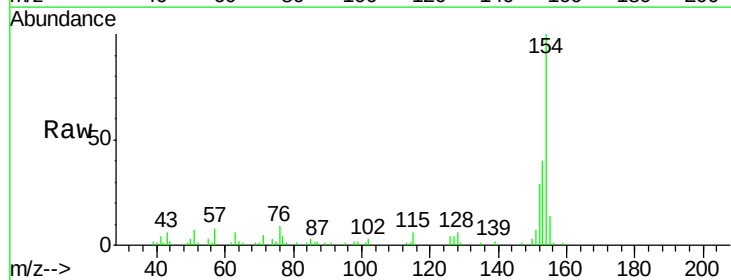


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

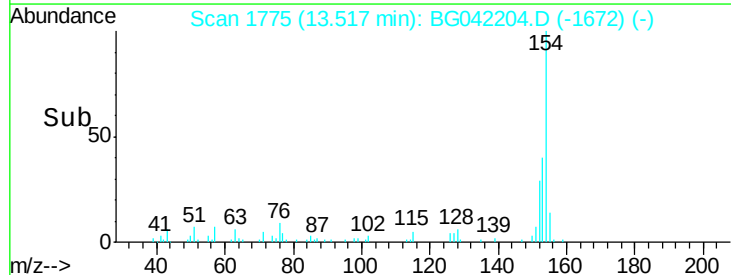
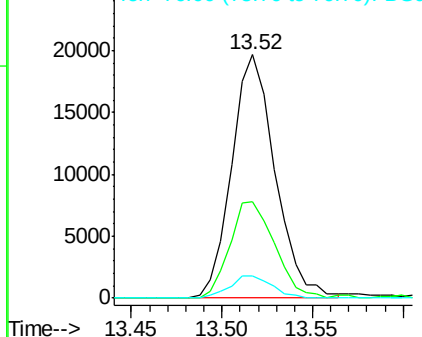


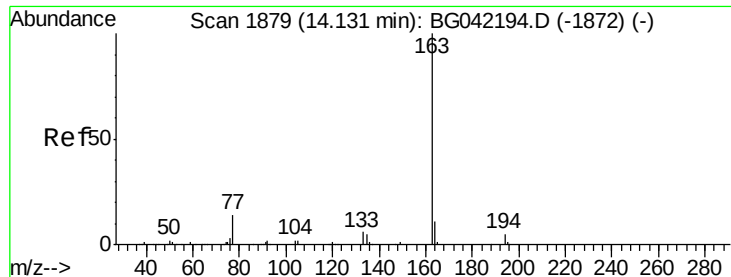
#40
 1,1'-Biphenyl
 Concen: 1.674 ng/ul
 RT: 13.52 min Scan# 1775
 Delta R.T. 0.00 min
 Lab File: BG042204.D
 Acq: 14 Aug 2019 10:37

Tgt Ion:154 Resp: 32720
 Ion Ratio Lower Upper
 154 100
 153 39.5 32.6 48.8
 76 8.9 8.6 13.0



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BG





#44

Dimethylphthalate

Concen: 1.748 ng/ul

RT: 14.13 min Scan# 1879

Delta R.T. -0.00 min

Lab File: BG042204.D

Acq: 14 Aug 2019 10:37

Instrument :

BNA_G

ClientSampleId :

CB5P1

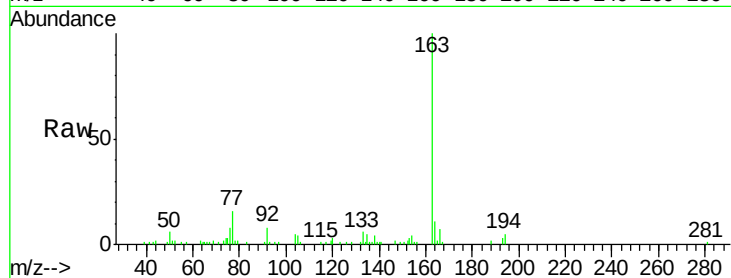
Tot Ion:163 Resp: 36182

Ion Ratio Lower Upper

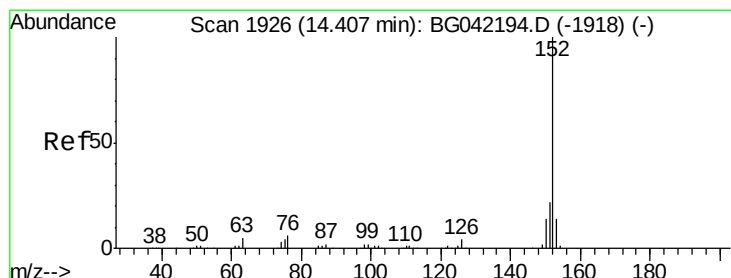
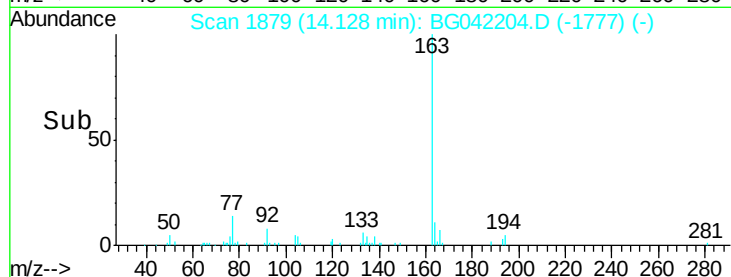
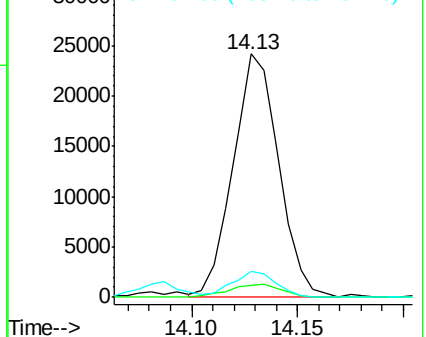
163 100

194 4.7 4.2 6.2

164 10.8 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



#47

Acenaphthylene

Concen: 3.278 ng/ul

RT: 14.41 min Scan# 1927

Delta R.T. 0.00 min

Lab File: BG042204.D

Acq: 14 Aug 2019 10:37

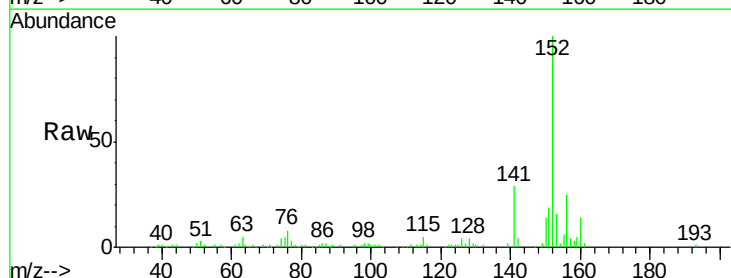
Tgt Ion:152 Resp: 78785

Ion Ratio Lower Upper

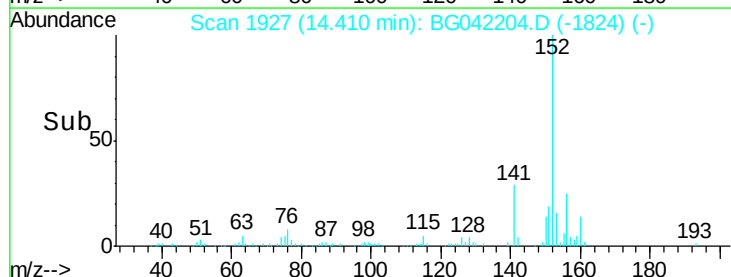
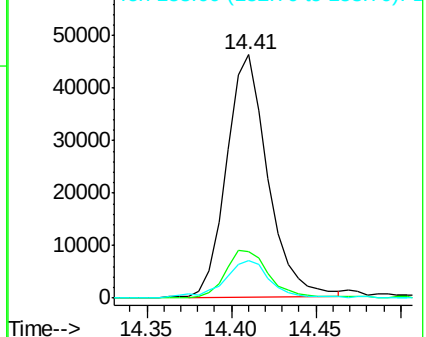
152 100

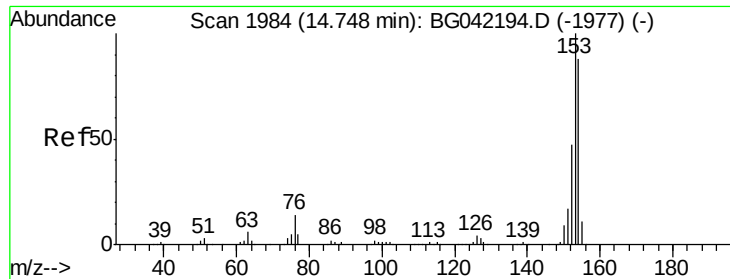
151 19.1 16.8 25.2

153 15.6 10.3 15.5#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 7.145 ng/ul

RT: 14.75 min Scan# 1985

Delta R.T. 0.00 min

Lab File: BG042204.D

Acq: 14 Aug 2019 10:37

Instrument :

BNA_G

ClientSampleId :

CB5P1

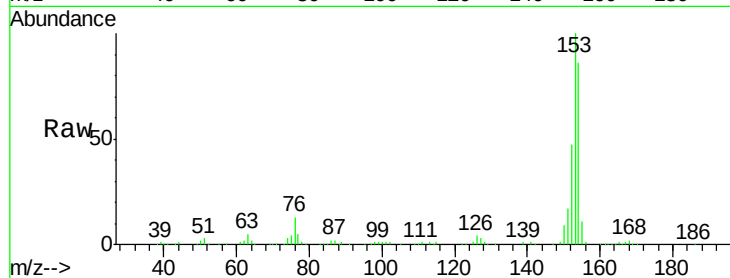
Tot Ion:153 Resp: 120064

Ion Ratio Lower Upper

153 100

152 47.1 37.8 56.8

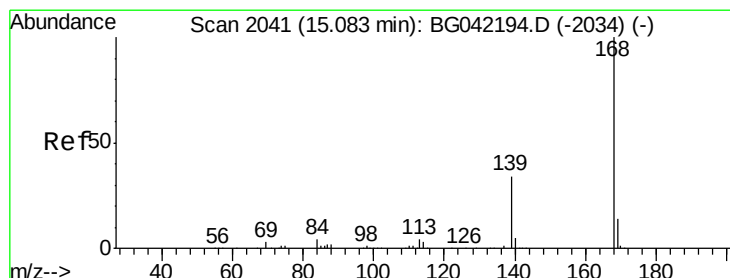
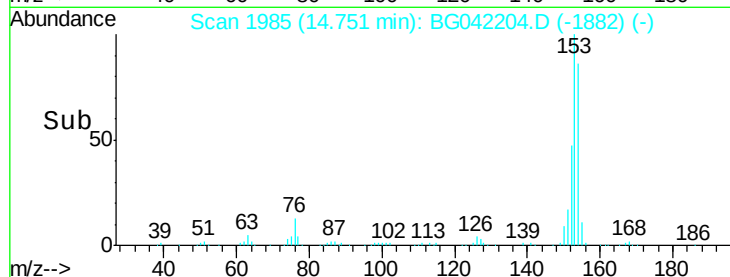
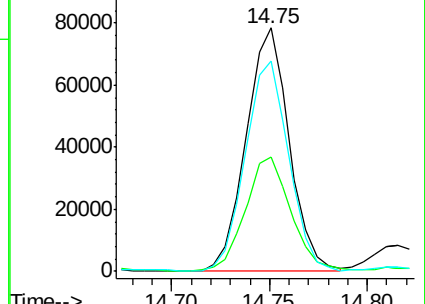
154 86.5 69.4 104.2



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

Dibenzofuran

Concen: 7.302 ng/ul

RT: 15.09 min Scan# 2042

Delta R.T. 0.00 min

Lab File: BG042204.D

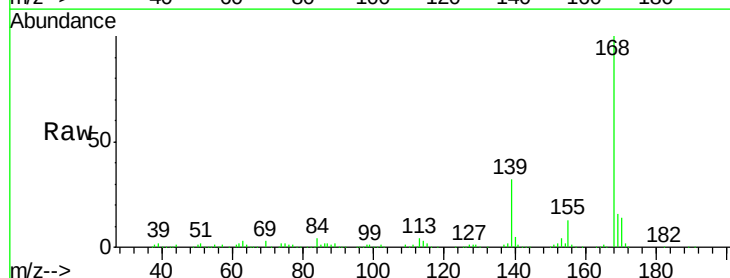
Acq: 14 Aug 2019 10:37

Tgt Ion:168 Resp: 183142

Ion Ratio Lower Upper

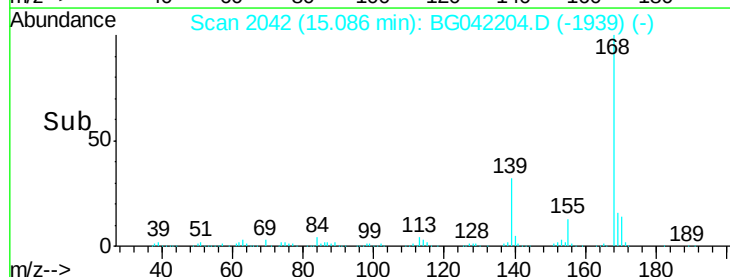
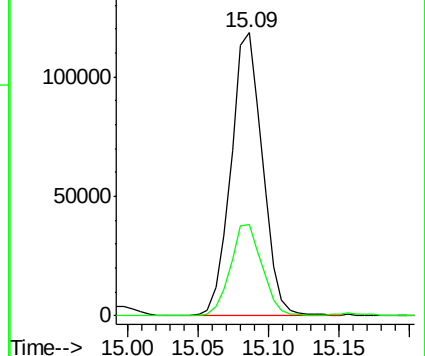
168 100

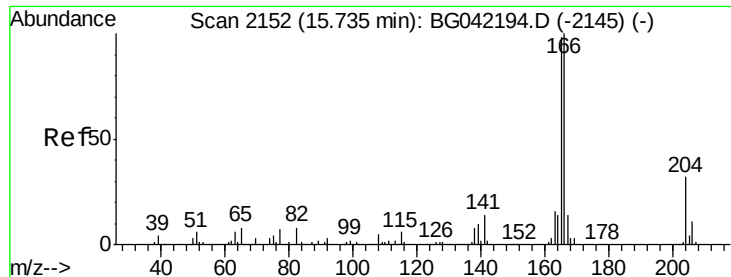
139 32.3 27.3 40.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 10.191 ng/ul

RT: 15.74 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BG042204.D

Acq: 14 Aug 2019 10:37

Instrument :

BNA_G

ClientSampleId :

CB5P1

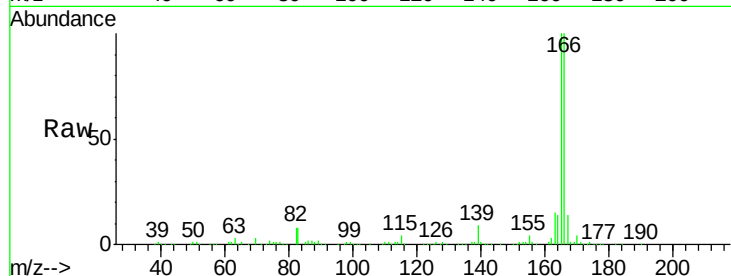
Tot Ion:166 Resp: 205864

Ion Ratio Lower Upper

166 100

165 100.5 81.1 121.7

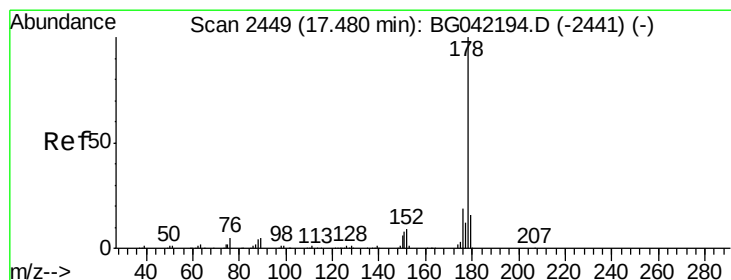
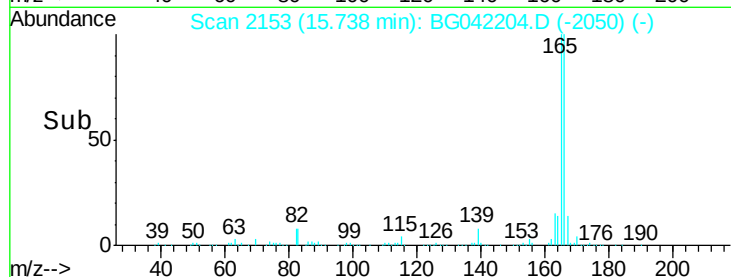
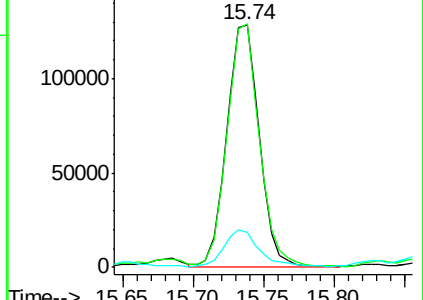
167 14.3 11.0 16.4



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: 11.792 ng/ul

RT: 17.58 min Scan# 2466

Delta R.T. 0.10 min

Lab File: BG042204.D

Acq: 14 Aug 2019 10:37

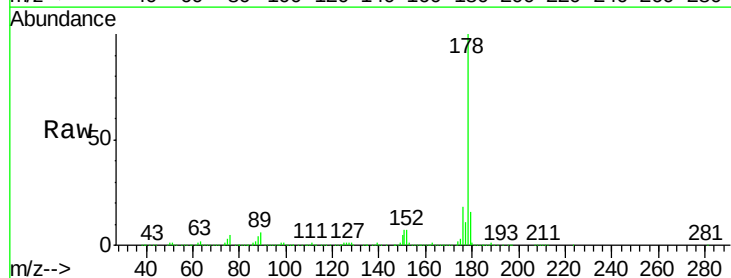
Tgt Ion:178 Resp: 350557

Ion Ratio Lower Upper

178 100

179 16.0 12.8 19.2

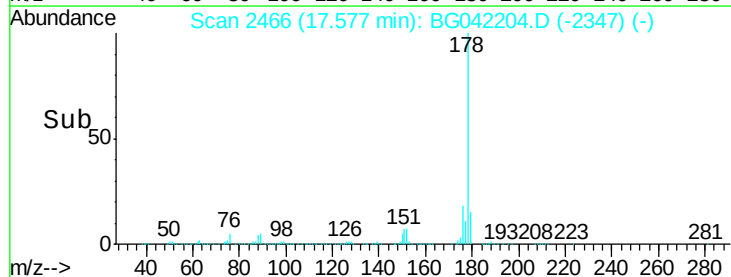
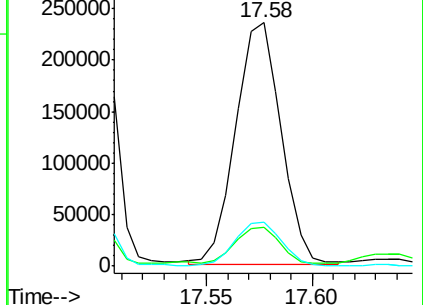
176 18.2 15.4 23.2

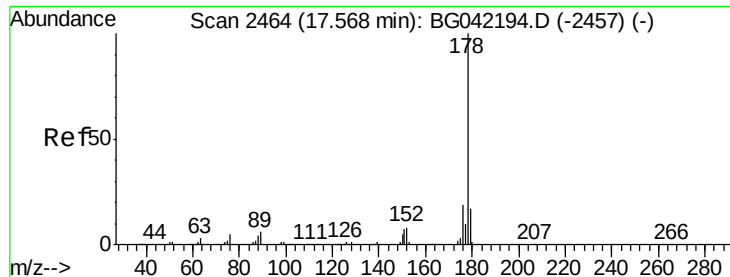


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

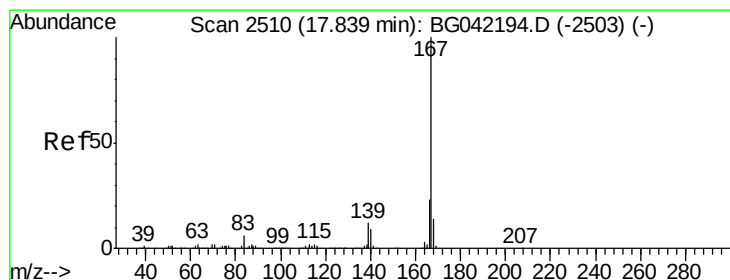
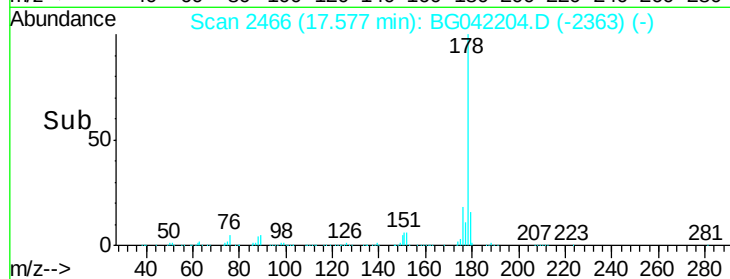
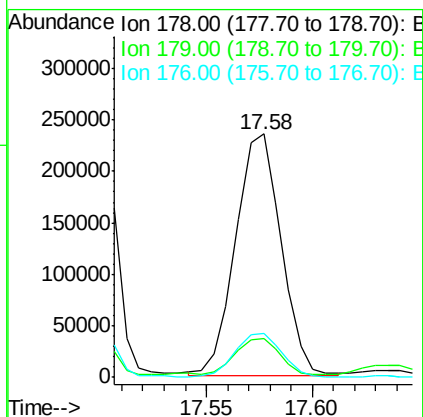
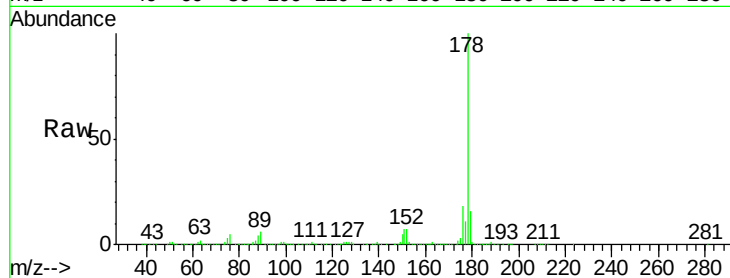




#71
 Anthracene
 Concen: 11.626 ng/ul
 RT: 17.58 min Scan# 2466
 Delta R.T. 0.00 min
 Lab File: BG042204.D
 Acq: 14 Aug 2019 10:37

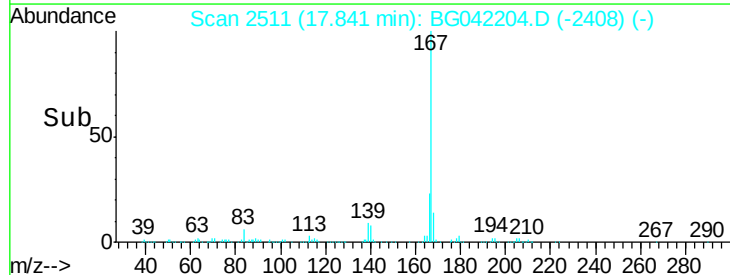
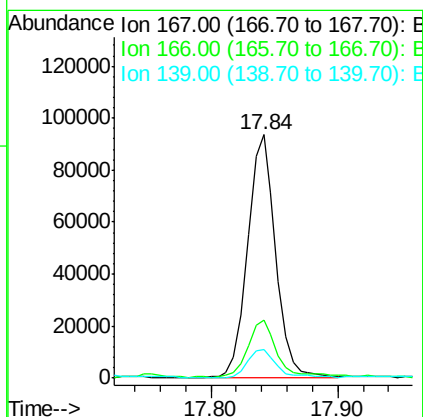
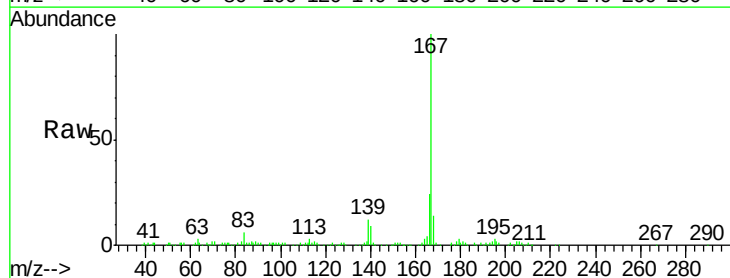
Instrument :
 BNA_G
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 CB5P1

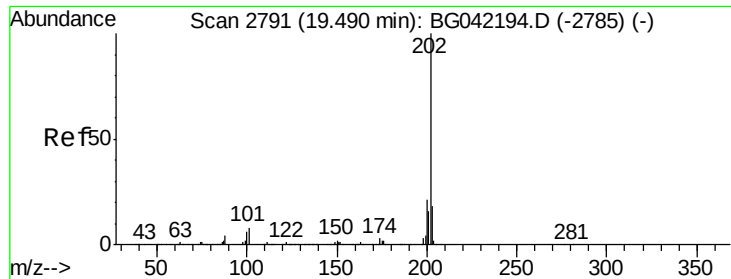
Tot Ion	Ratio	Lower	Upper
178	100		
179	16.0	13.4	20.0
176	18.2	15.4	23.2



#74
 Carbazole
 Concen: 5.726 ng/ul
 RT: 17.84 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: BG042204.D
 Acq: 14 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.6	18.2	27.4
139	11.7	9.6	14.4

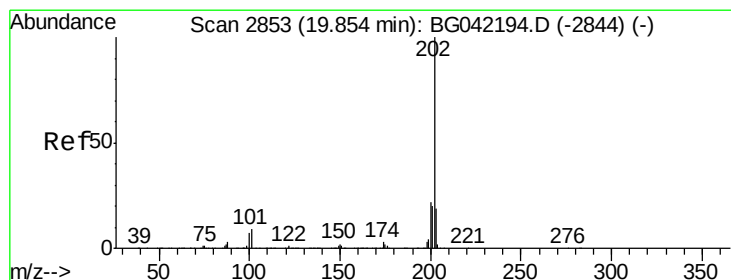
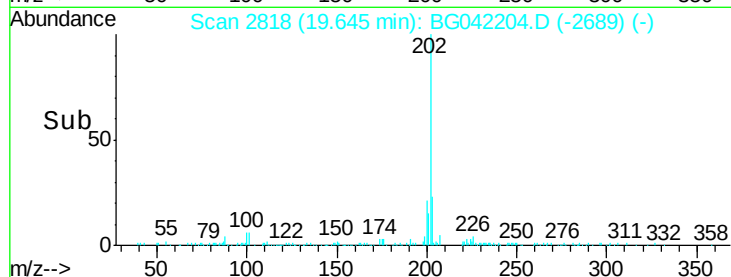
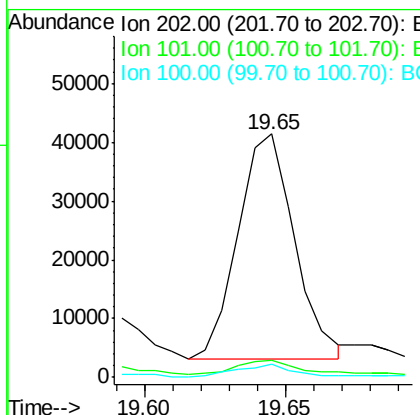
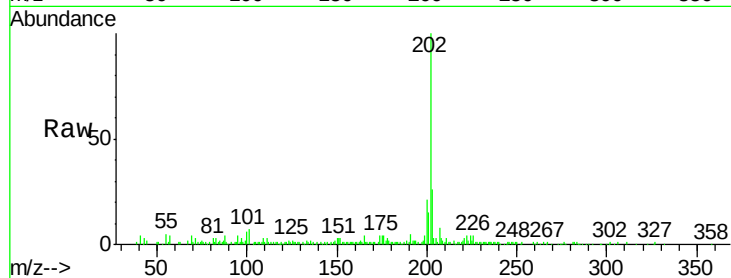




#76
Fluoranthene
Concen: 1.542 ng/ul
RT: 19.65 min Scan# 2818
Delta R.T. 0.16 min
Lab File: BG042204.D
Acq: 14 Aug 2019 10:37

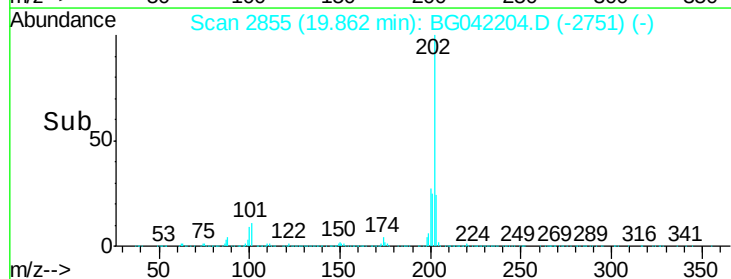
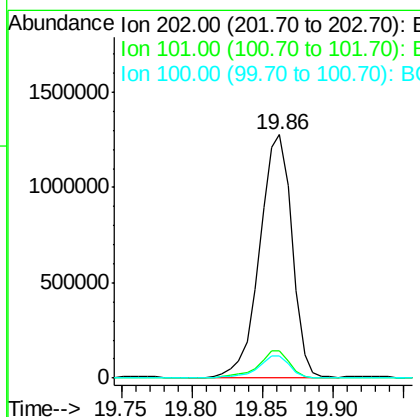
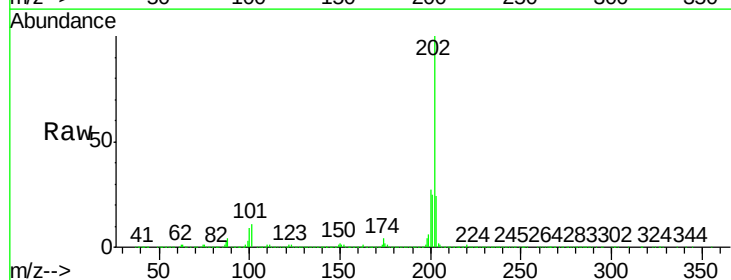
Instrument :
BNA_G
ClientSampleId :
CB5P1

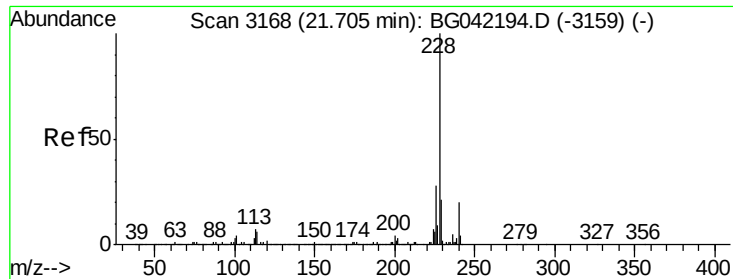
Tot Ion	Ratio	Lower	Upper
202	100		
101	6.8	6.7	10.1
100	5.6	5.3	7.9



#79
Pyrene
Concen: 57.996 ng/ul
RT: 19.86 min Scan# 2855
Delta R.T. 0.01 min
Lab File: BG042204.D
Acq: 14 Aug 2019 10:37

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	7.6	11.4
100	9.2	6.5	9.7

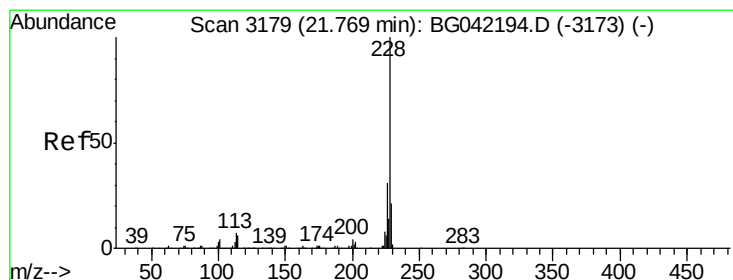
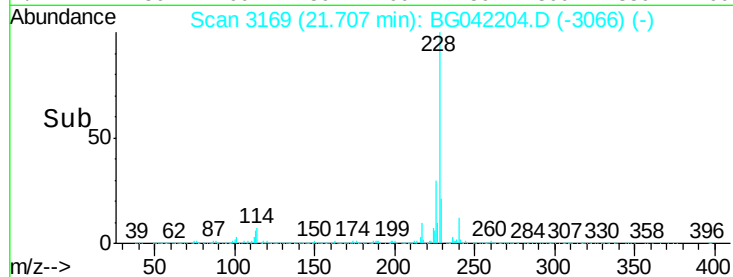
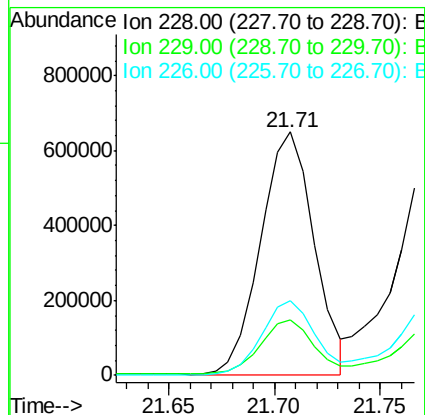
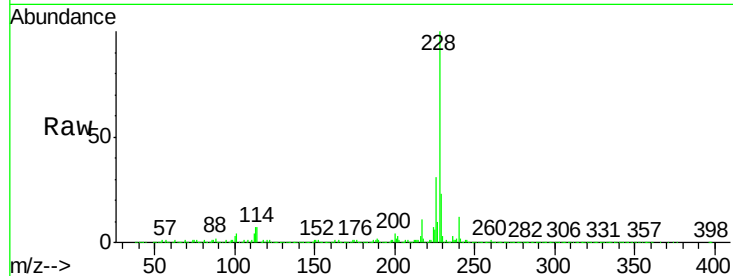




#82
Benzo(a)anthracene
Concen: 31.223 ng/ul
RT: 21.71 min Scan# 3169
Delta R.T. 0.00 min
Lab File: BG042204.D
Acq: 14 Aug 2019 10:37

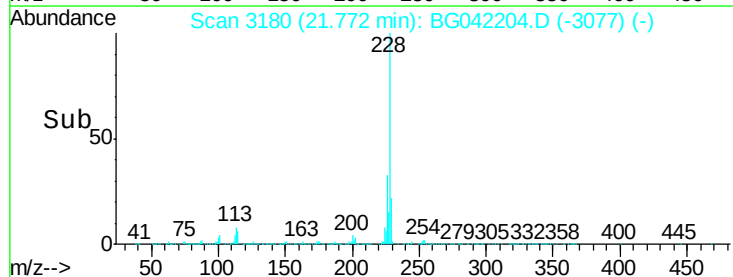
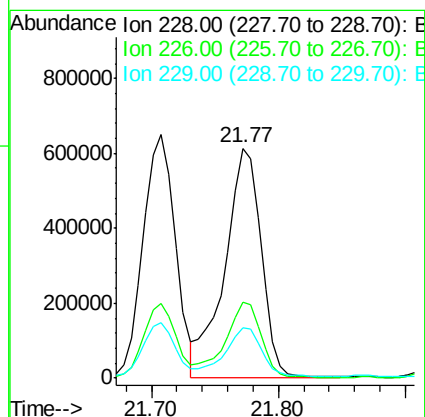
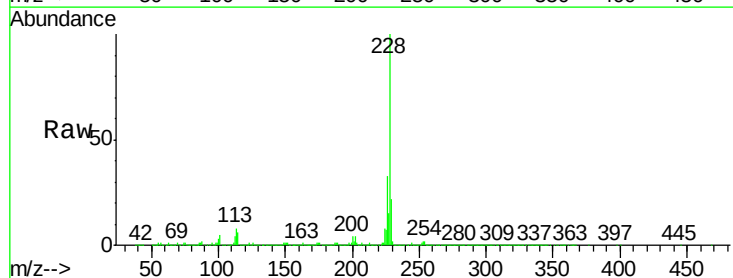
Instrument :
BNA_G
ClientSampleId :
CB5P1

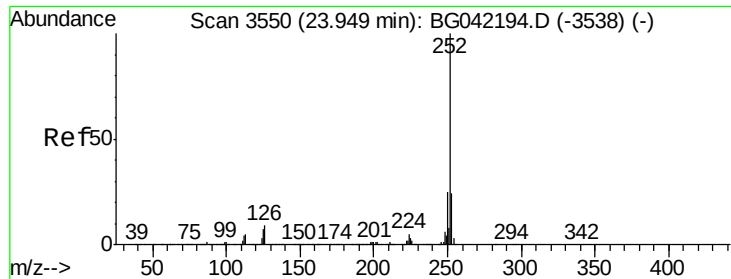
Tot Ion:228 Resp: 1143010
Ion Ratio Lower Upper
228 100
229 22.6 17.0 25.6
226 30.6 23.3 34.9



#84
Chrysene
Concen: 35.655 ng/ul
RT: 21.77 min Scan# 3180
Delta R.T. 0.00 min
Lab File: BG042204.D
Acq: 14 Aug 2019 10:37

Tgt Ion:228 Resp: 1218241
Ion Ratio Lower Upper
228 100
226 33.3 25.7 38.5
229 22.0 16.6 24.8

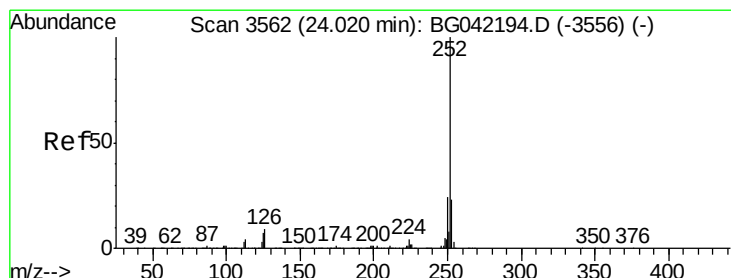
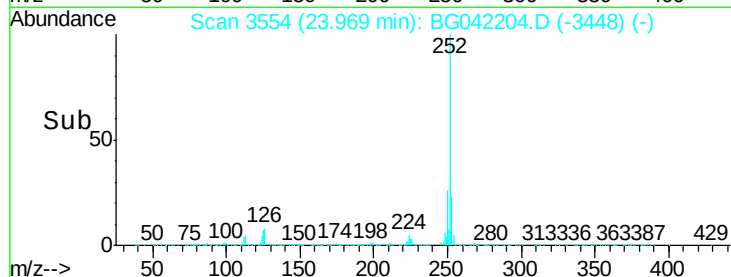
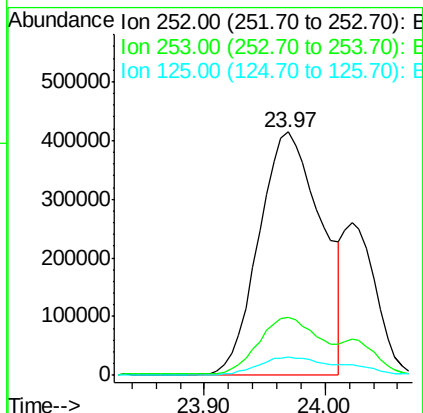
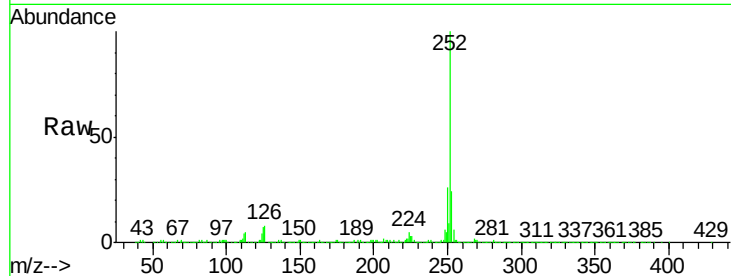




#87
Benzo(b)fluoranthene
Concen: 36.623 ng/ul
RT: 23.97 min Scan# 3554
Delta R.T. 0.02 min
Lab File: BG042204.D
Acq: 14 Aug 2019 10:37

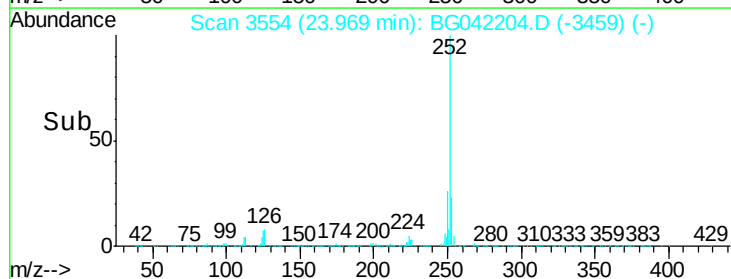
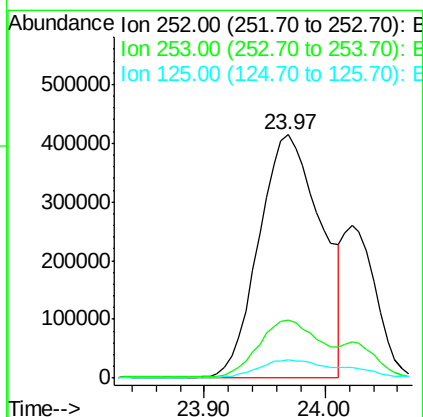
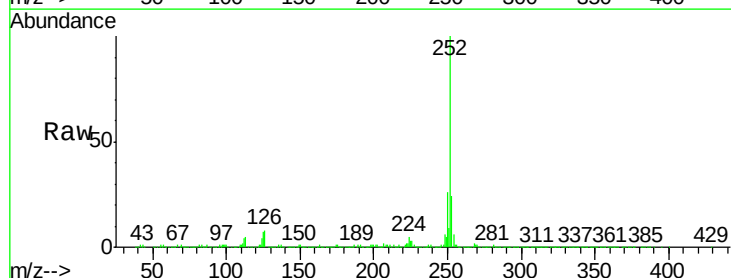
Instrument :
BNA_G
ClientSampleId :
CB5P1

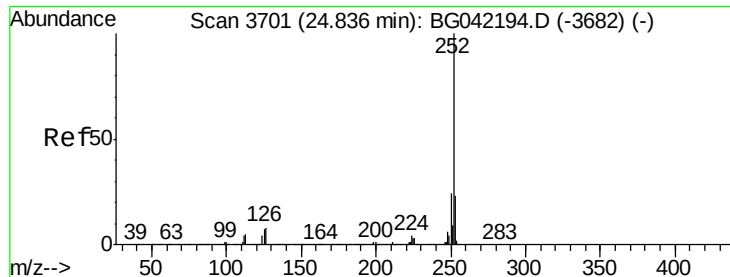
Tot Ion:252 Resp: 1484016
Ion Ratio Lower Upper
252 100
253 23.9 18.4 27.6
125 7.4 5.8 8.8



#88
Benzo(k)fluoranthene
Concen: 38.089 ng/ul
RT: 23.97 min Scan# 3554
Delta R.T. -0.04 min
Lab File: BG042204.D
Acq: 14 Aug 2019 10:37

Tgt Ion:252 Resp: 1484016
Ion Ratio Lower Upper
252 100
253 23.9 18.3 27.5
125 7.4 5.5 8.3





#90

Benzo(a)pyrene

Concen: 27.389 ng/ul

RT: 24.86 min Scan# 3705

Delta R.T. 0.02 min

Lab File: BG042204.D

Acq: 14 Aug 2019 10:37

Instrument :

BNA_G

ClientSampled :

CB5P1

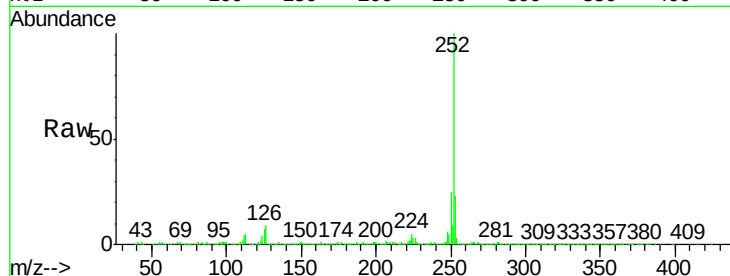
Tot Ion:252 Resp: 1057596

Ion Ratio Lower Upper

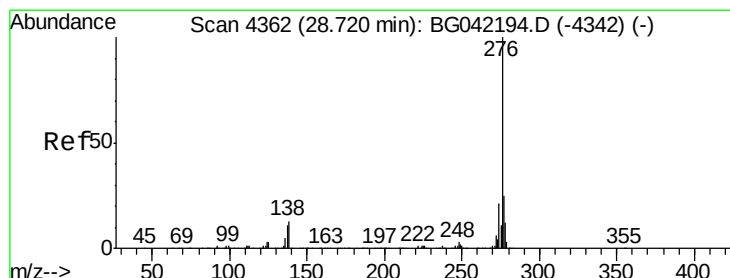
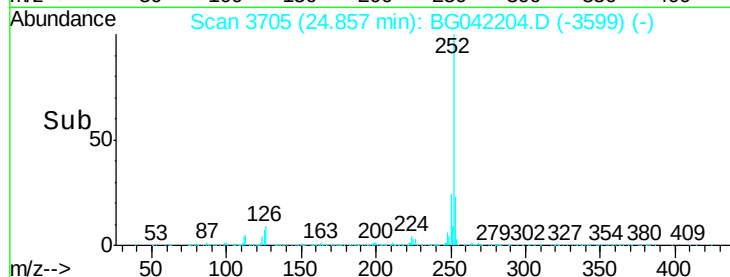
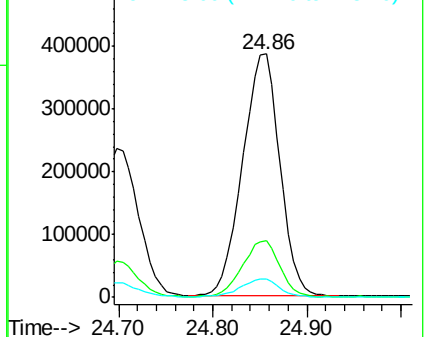
252 100

253 23.2 18.3 27.5

125 7.3 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: 13.789 ng/ul

RT: 28.75 min Scan# 4367

Delta R.T. 0.03 min

Lab File: BG042204.D

Acq: 14 Aug 2019 10:37

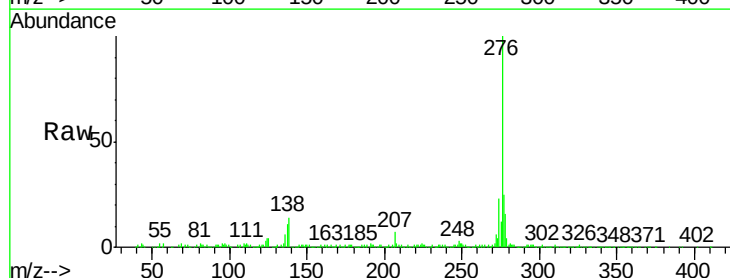
Tgt Ion:276 Resp: 621052

Ion Ratio Lower Upper

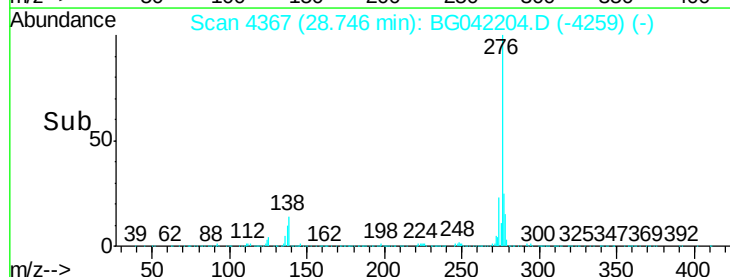
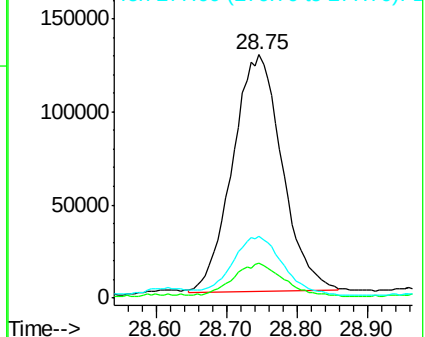
276 100

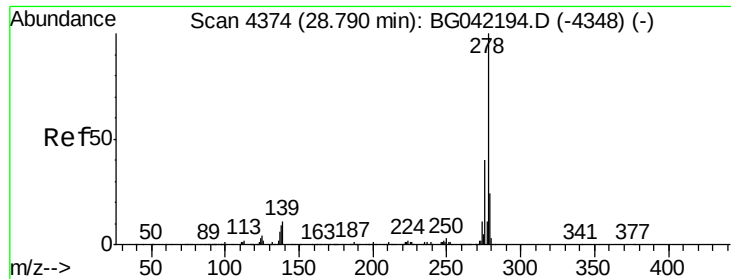
138 14.3 12.0 18.0

277 25.5 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: 2.776 ng/ul

RT: 28.78 min Scan# 4373

Delta R.T. 0.00 min

Lab File: BG042204.D

Acq: 14 Aug 2019 10:37

Instrument :

BNA_G

ClientSampleId :

CB5P1

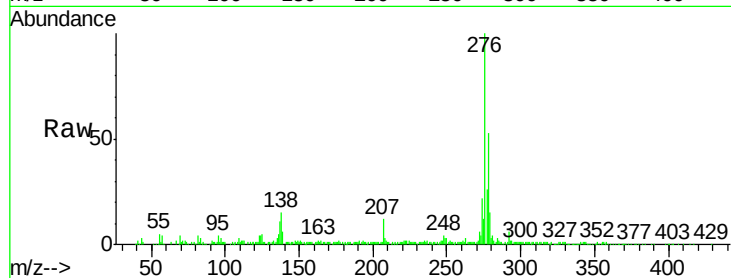
Tot Ion:278 Resp: 101981

Ion Ratio Lower Upper

278 100

139 11.2 9.4 14.0

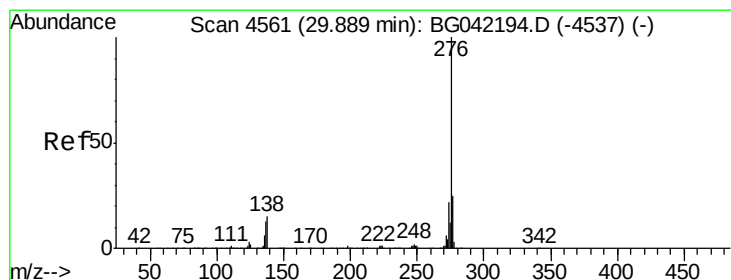
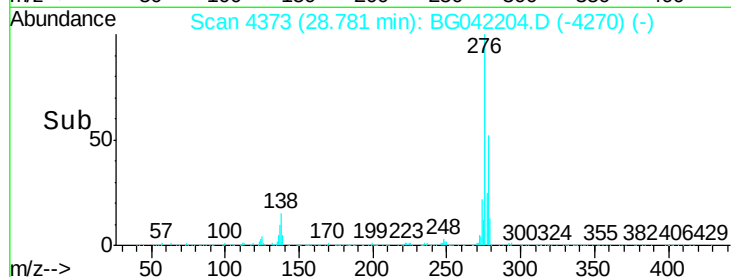
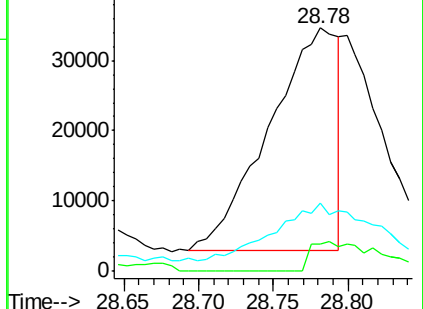
279 28.1 19.2 28.8



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(g,h,i)perylene

Concen: 13.732 ng/ul

RT: 29.91 min Scan# 4565

Delta R.T. 0.03 min

Lab File: BG042204.D

Acq: 14 Aug 2019 10:37

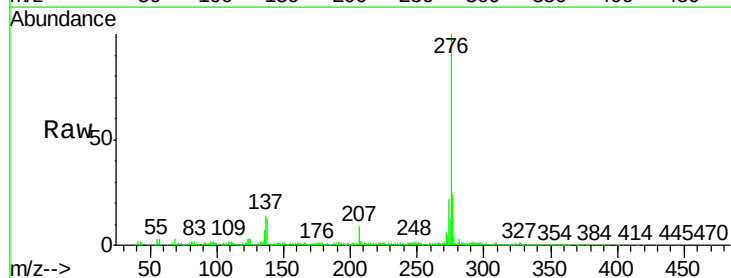
Tgt Ion:276 Resp: 516350

Ion Ratio Lower Upper

276 100

138 13.4 12.6 18.8

277 24.1 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

