

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
 Data File : BG042203.D
 Acq On : 14 Aug 2019 9:58
 Operator : HP/JU
 Sample : K4304-09
 Misc :
 ALS Vial : 65 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB5P0

Quant Time: Aug 14 10:47:07 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	89238	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	365761	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	247637	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	503449	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	492023	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	583087	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.41	96	5065	2.48	ng/uL	0.00
5) Phenol-d5	7.18	99	124419	17.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	63436	16.20	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	114713	19.16	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	106384	18.09	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	56493	20.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	70829	22.16	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	130803	20.27	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	150175	20.97	ng/ul	0.00
43) Dimethylphthalate-d6	14.08	166	414291	21.57	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	476162	21.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	50281	15.59	ng/ul	0.00
57) Fluorene-d10	15.68	176	363100	21.25	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	46614	14.43	ng/ul	0.00
70) Anthracene-d10	17.54	188	531266	21.99	ng/ul	0.00
78) Pyrene-d10	19.82	212	610959	22.25	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.76	264	695410	22.83	ng/ul	0.00

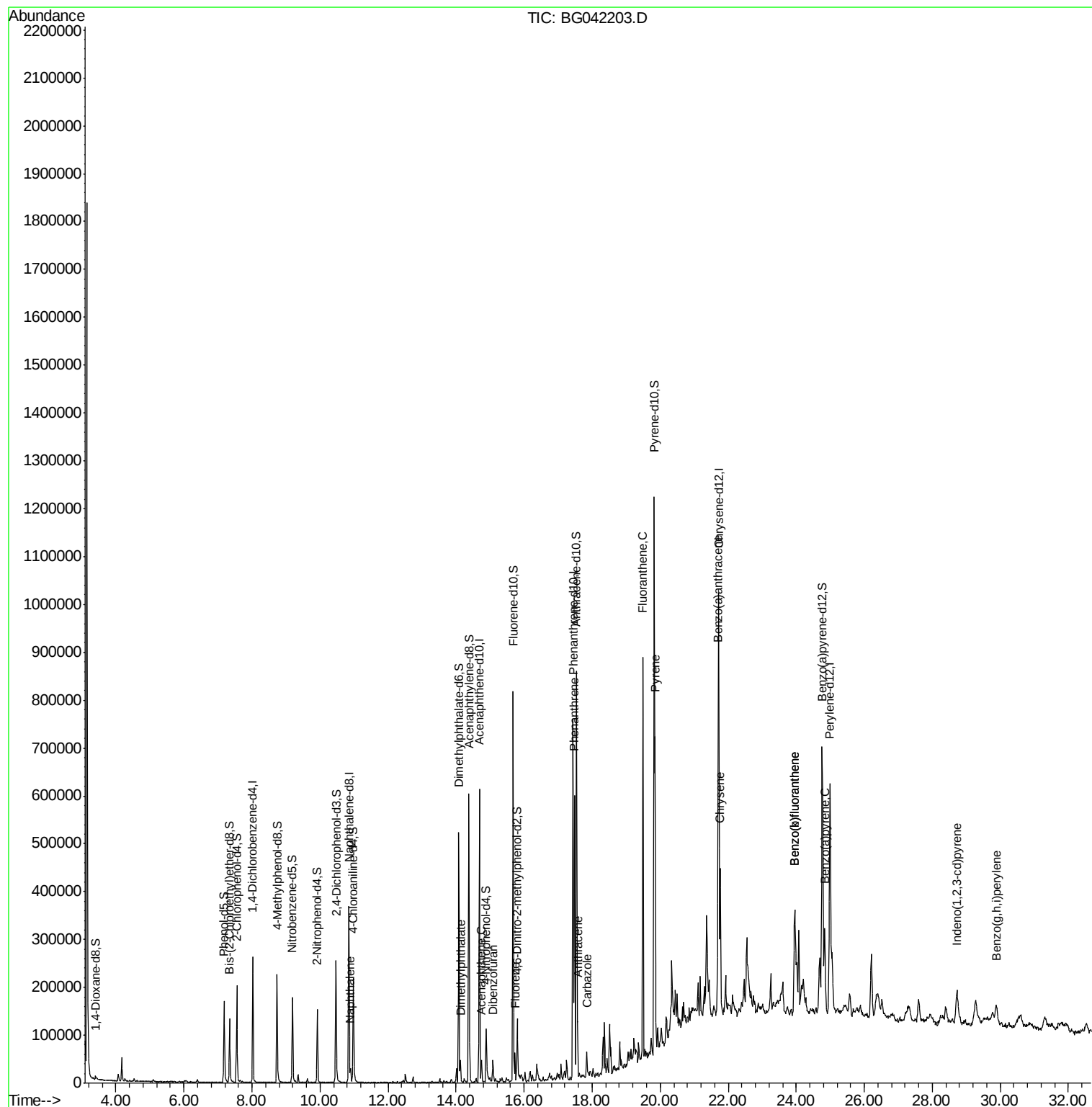
Target Compounds				Ovalue		
28) Naphthalene	10.90	128	27111	1.450	ng/ul#	95
44) Dimethylphthalate	14.13	163	32148	1.686	ng/ul	98
49) Acenaphthene	14.75	153	20764	1.341	ng/ul	98
53) Dibenzofuran	15.09	168	29027	1.256	ng/ul	93
58) Fluorene	15.73	166	28276	1.519	ng/ul	91
69) Phenanthrene	17.48	178	421540	15.295	ng/ul	99
71) Anthracene	17.57	178	79830	2.856	ng/ul	97
74) Carbazole	17.84	167	37732	1.630	ng/ul	97
76) Fluoranthene	19.49	202	541754	17.012	ng/ul	97
79) Pyrene	19.85	202	445613	13.464	ng/ul	98
82) Benzo(a)anthracene	21.70	228	256039	7.505	ng/ul	99
84) Chrysene	21.77	228	231297	7.264	ng/ul	97
87) Benzo(b)fluoranthene	23.96	252	321949	8.798	ng/ul	97
88) Benzo(k)fluoranthene	23.96	252	321949	9.151	ng/ul	97
90) Benzo(a)pyrene	24.84	252	210320	6.032	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	28.72	276	122629	3.015	ng/ul	96
93) Benzo(g,h,i)perylene	29.89	276	99478	2.930	ng/ul	98

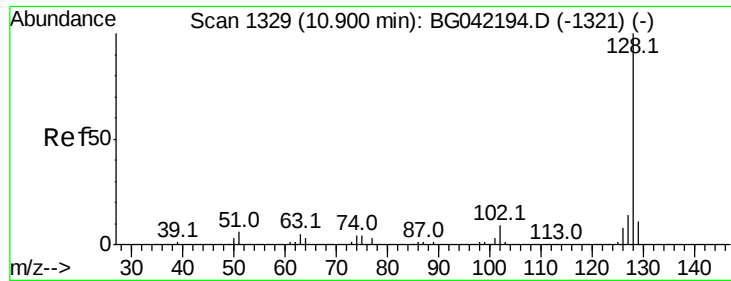
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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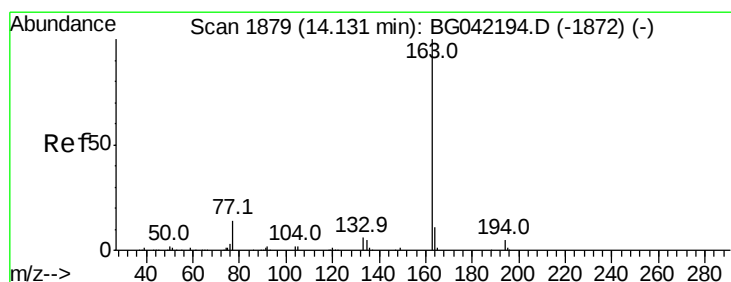
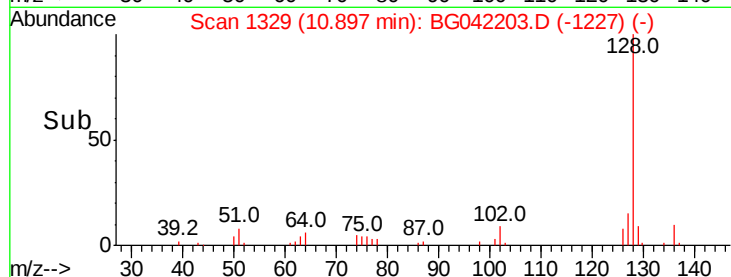
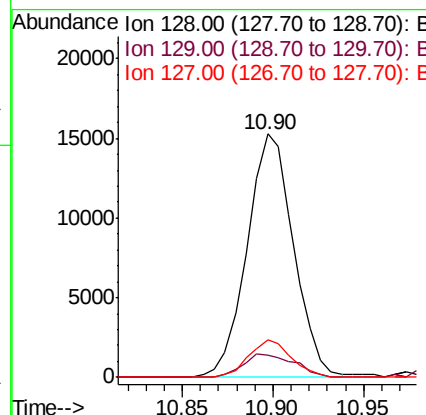
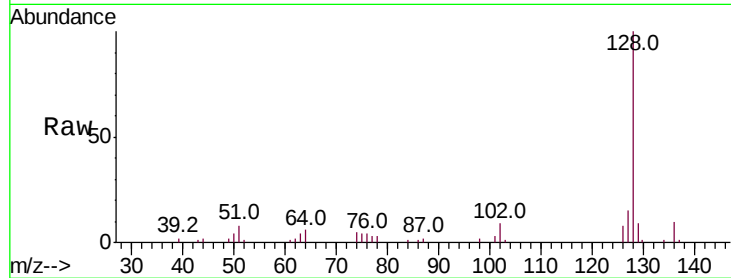




#28
Naphthalene
Concen: 1.450 ng/ul
RT: 10.90 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BG042203.D
Acq: 14 Aug 2019 9:58

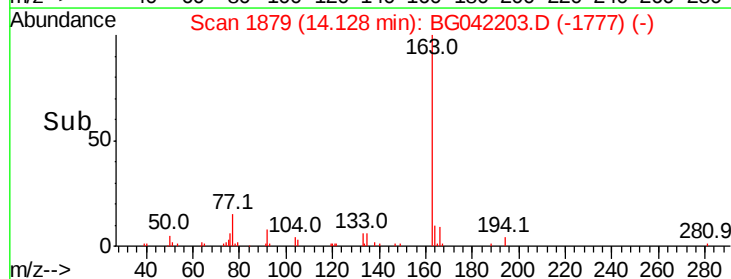
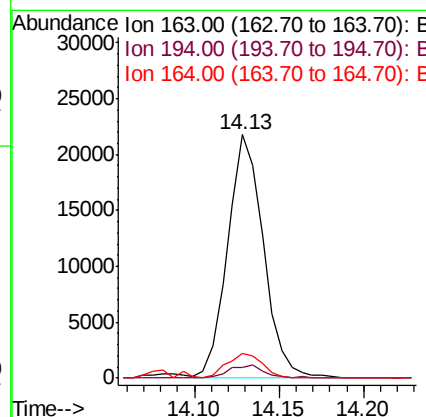
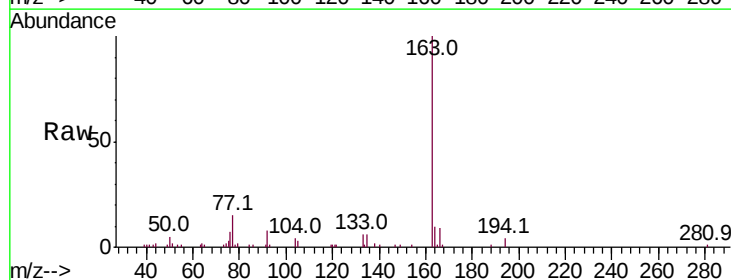
Instrument :
BNA_G
ClientSampleId :
CB5P0

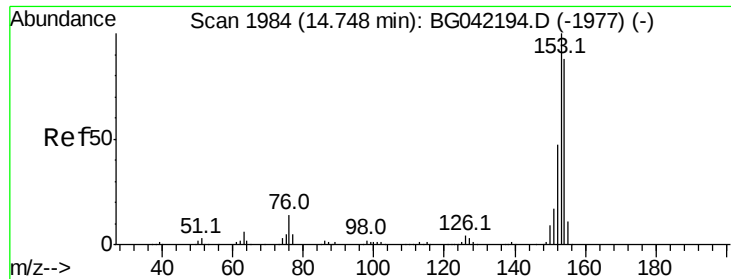
Tot Ion:128 Resp: 27111
Ion Ratio Lower Upper
128 100
129 8.9 9.5 14.3#
127 15.2 11.4 17.0



#44
Dimethylphthalate
Concen: 1.686 ng/ul
RT: 14.13 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BG042203.D
Acq: 14 Aug 2019 9:58

Tgt Ion:163 Resp: 32148
Ion Ratio Lower Upper
163 100
194 4.5 4.2 6.2
164 10.3 7.8 11.8





#49

Acenaphthene

Concen: 1.341 ng/ul

RT: 14.75 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Instrument :

BNA_G

ClientSampleId :

CB5P0

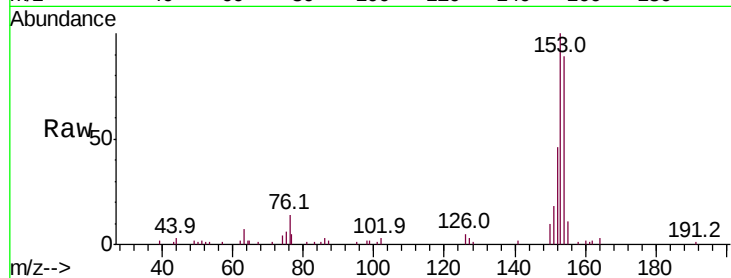
Tot Ion:153 Resp: 20764

Ion Ratio Lower Upper

153 100

152 46.3 37.8 56.8

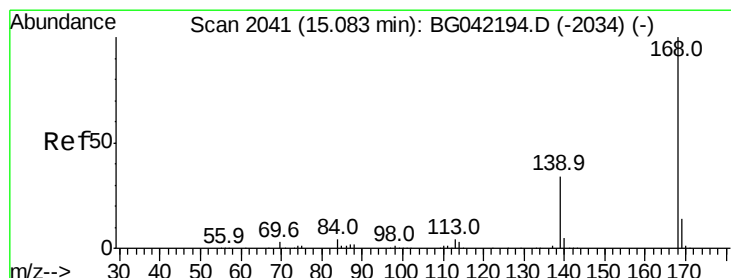
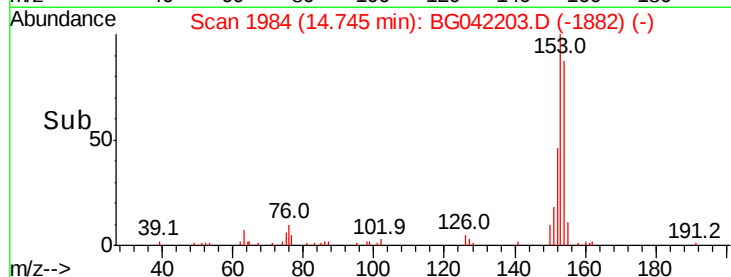
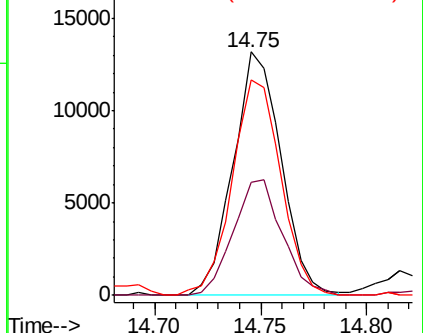
154 88.6 69.4 104.2



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: 1.256 ng/ul

RT: 15.09 min Scan# 2042

Delta R.T. 0.00 min

Lab File: BG042203.D

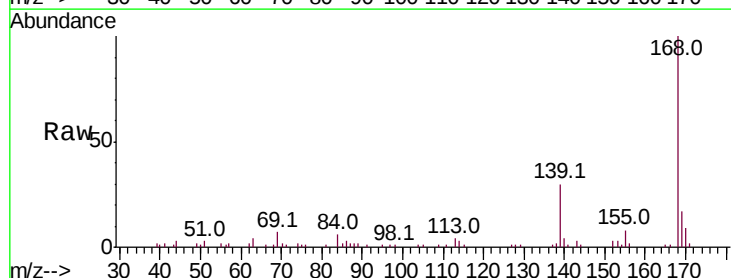
Acq: 14 Aug 2019 9:58

Tgt Ion:168 Resp: 29027

Ion Ratio Lower Upper

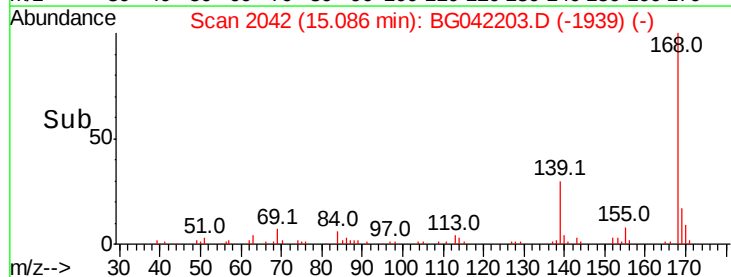
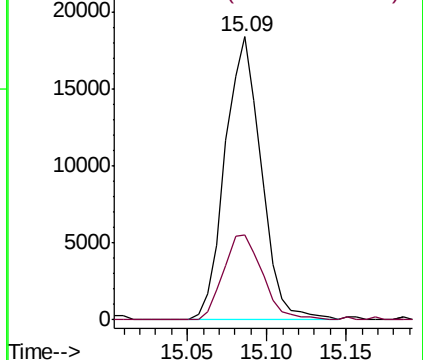
168 100

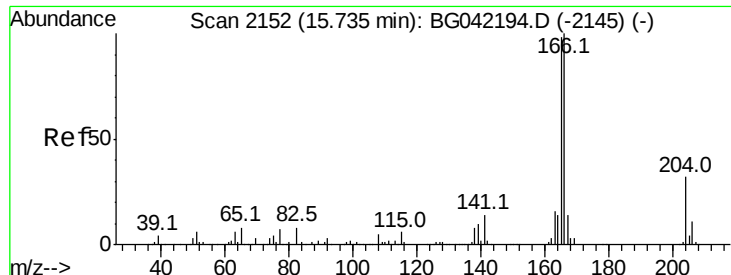
139 29.9 27.3 40.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.519 ng/ul

RT: 15.73 min Scan# 2152

Delta R.T. -0.00 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Instrument :

BNA_G

ClientSampleId :

CB5P0

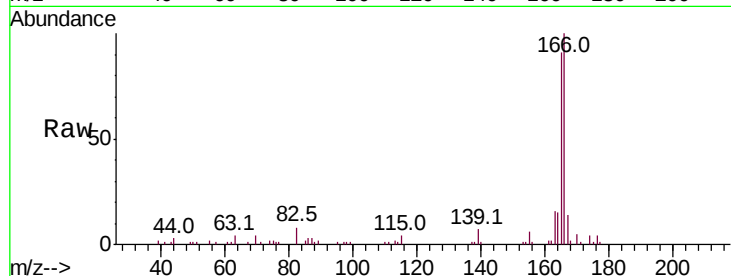
Tot Ion:166 Resp: 28276

Ion Ratio Lower Upper

166 100

165 90.8 81.1 121.7

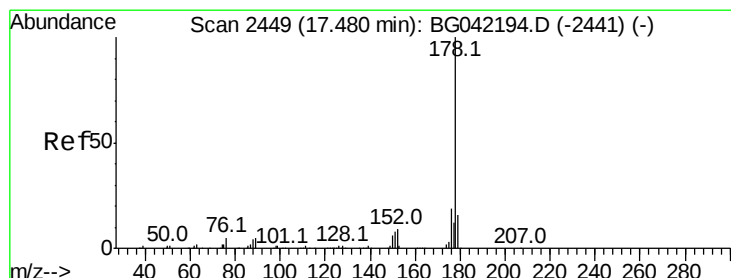
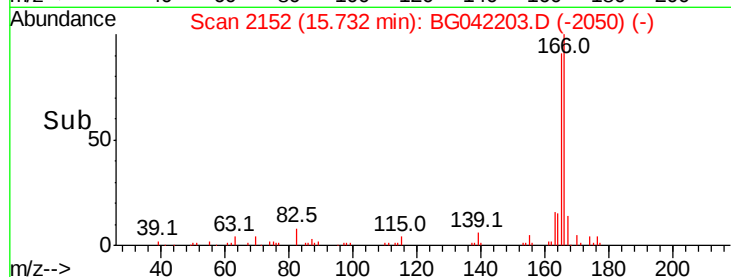
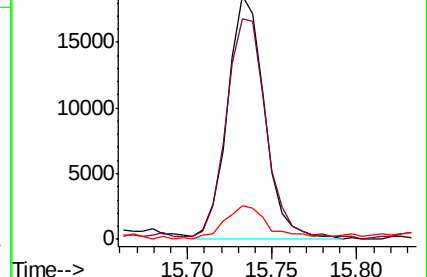
167 13.7 11.0 16.4



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: 15.295 ng/ul

RT: 17.48 min Scan# 2449

Delta R.T. -0.00 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

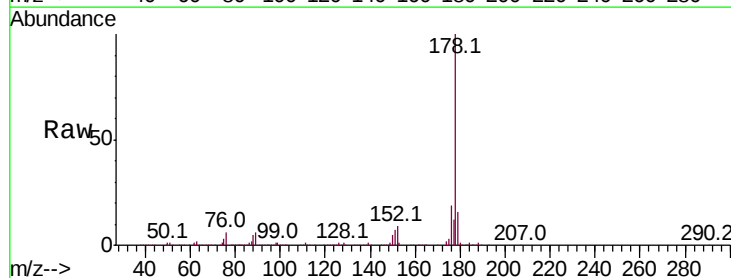
Tgt Ion:178 Resp: 421540

Ion Ratio Lower Upper

178 100

179 15.8 12.8 19.2

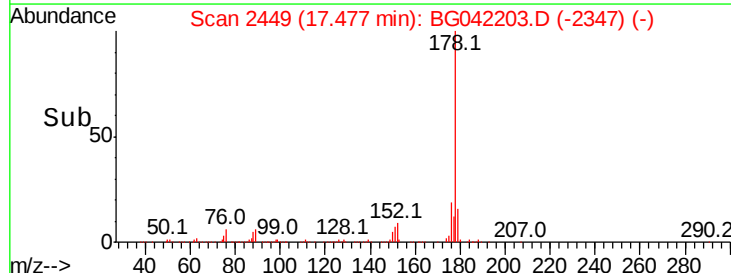
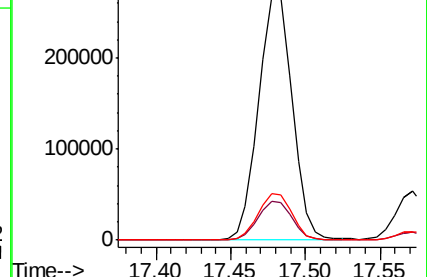
176 19.0 15.4 23.2

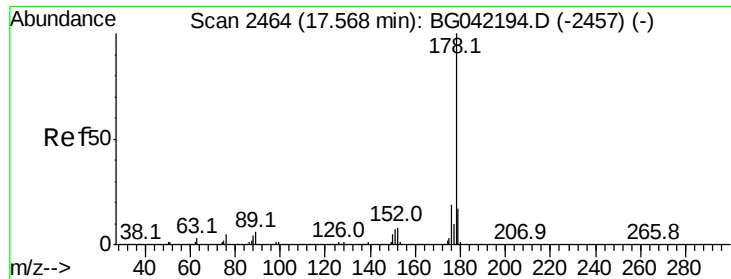


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

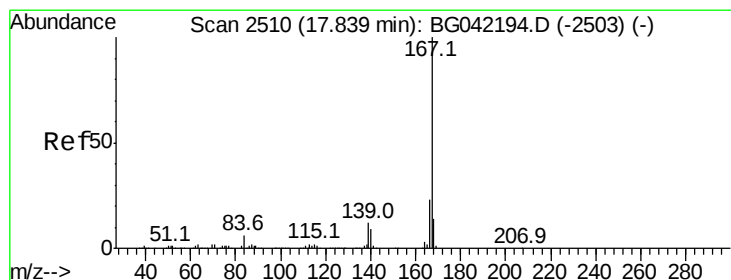
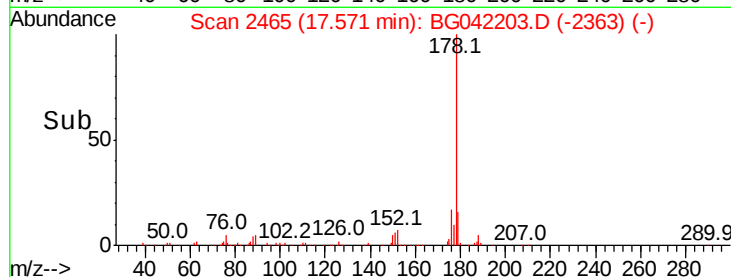
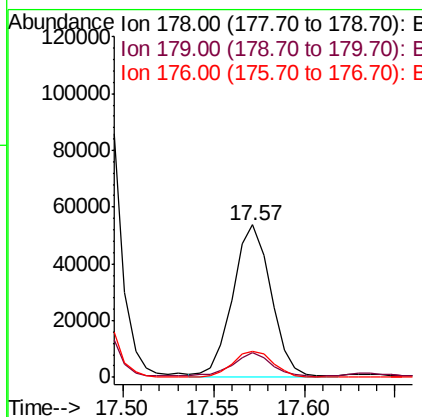
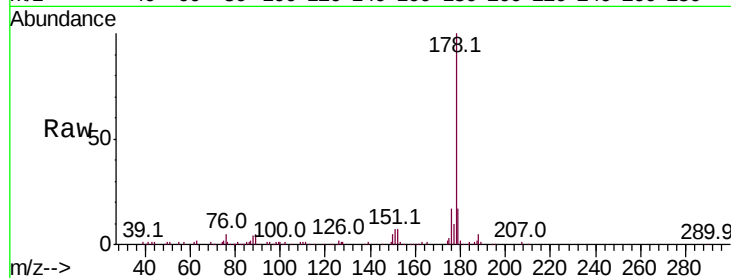




#71
 Anthracene
 Concen: 2.856 ng/ul
 RT: 17.57 min Scan# 2465
 Delta R.T. -0.00 min
 Lab File: BG042203.D
 Acq: 14 Aug 2019 9:58

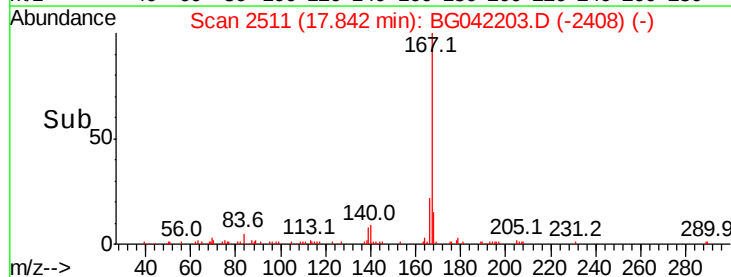
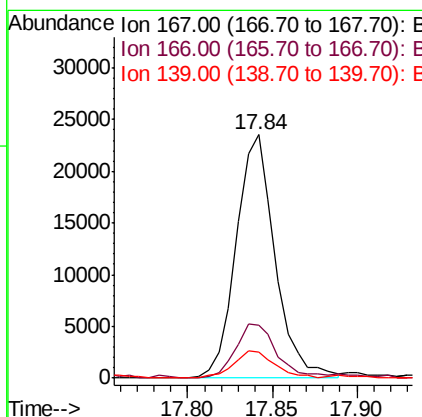
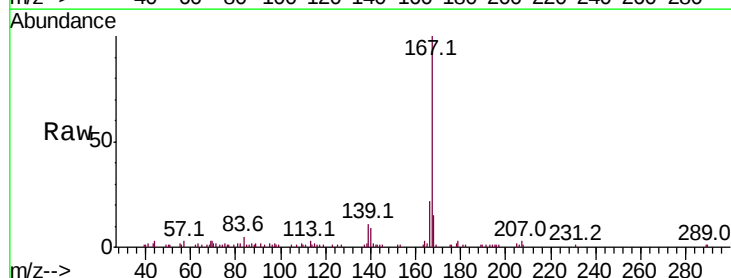
Instrument :
 BNA_G
 ClientSampleId :
 CB5P0

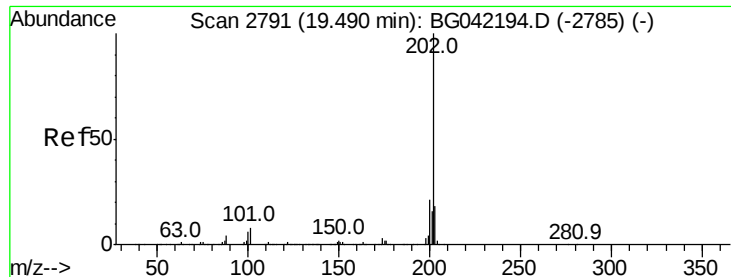
Tot Ion	Ratio	Lower	Upper
178	100		
179	16.7	13.4	20.0
176	17.2	15.4	23.2



#74
 Carbazole
 Concen: 1.630 ng/ul
 RT: 17.84 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: BG042203.D
 Acq: 14 Aug 2019 9:58

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.2	27.4
139	10.9	9.6	14.4





#76

Fluoranthene

Concen: 17.012 ng/ul

RT: 19.49 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Instrument :

BNA_G

ClientSampleId :

CB5P0

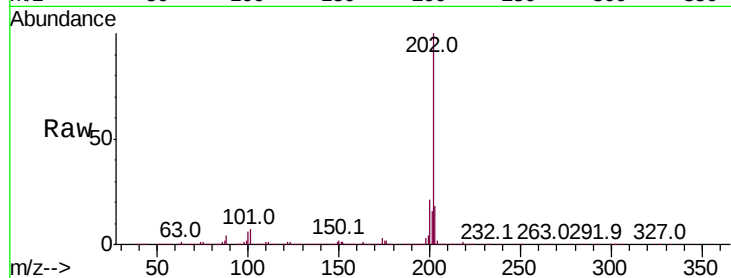
Tot Ion:202 Resp: 541754

Ion Ratio Lower Upper

202 100

101 7.4 6.7 10.1

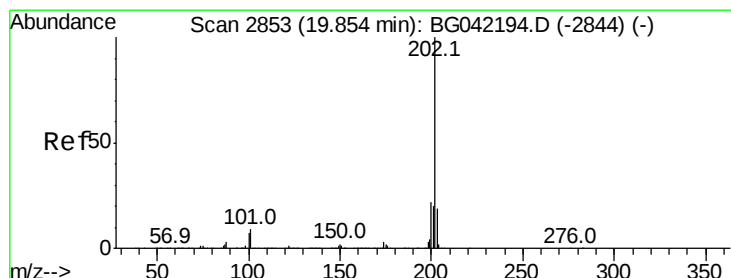
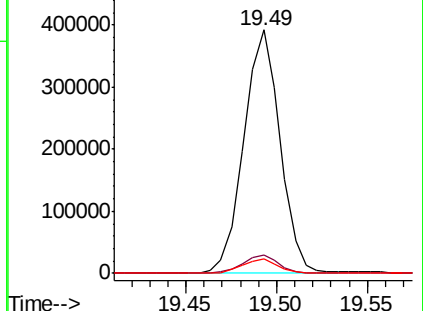
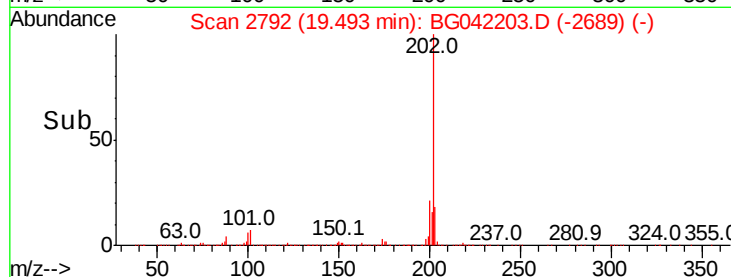
100 5.7 5.3 7.9



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

Pyrene

Concen: 13.464 ng/ul

RT: 19.85 min Scan# 2853

Delta R.T. -0.00 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

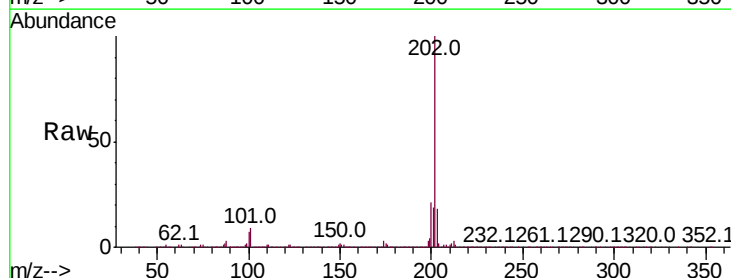
Tgt Ion:202 Resp: 445613

Ion Ratio Lower Upper

202 100

101 9.2 7.6 11.4

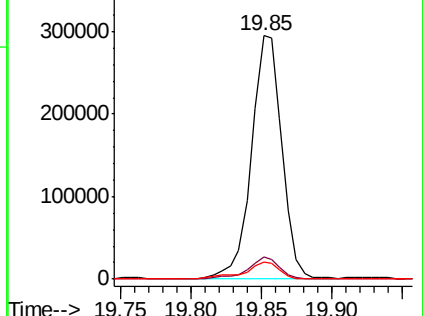
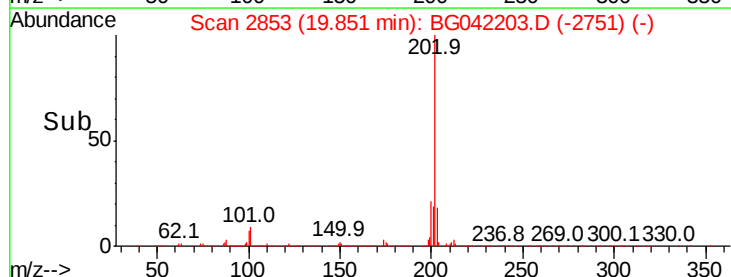
100 7.2 6.5 9.7

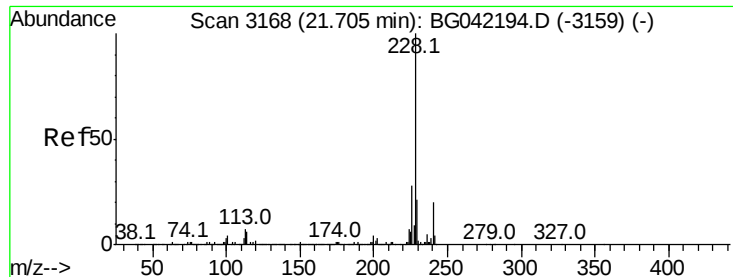


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

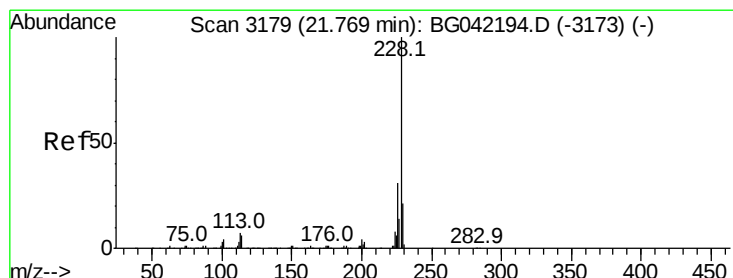
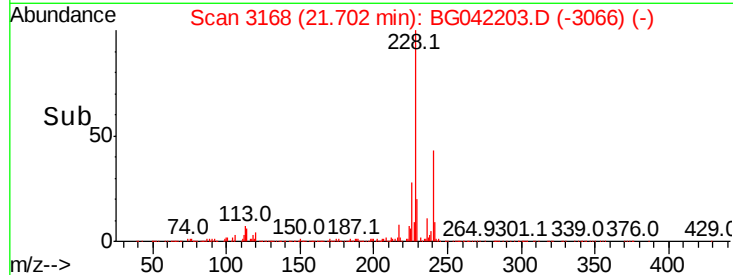
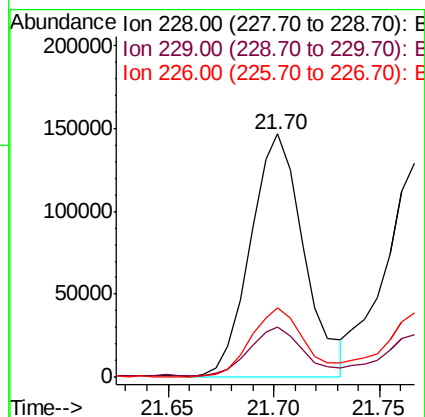
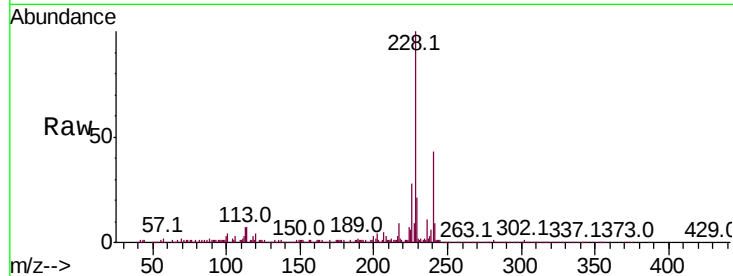




#82
Benzo(a)anthracene
Concen: 7.505 ng/ul
RT: 21.70 min Scan# 3168
Delta R.T. -0.00 min
Lab File: BG042203.D
Acq: 14 Aug 2019 9:58

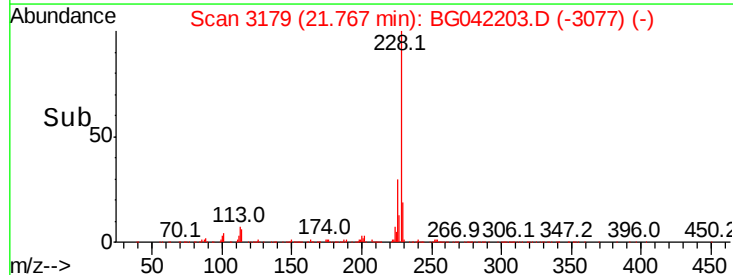
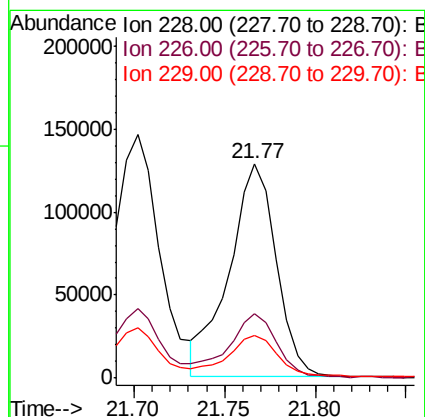
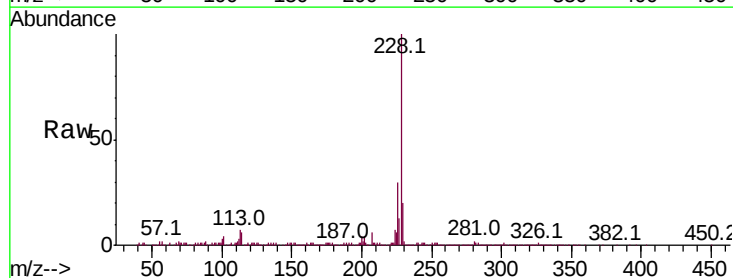
Instrument :
BNA_G
ClientSampleId :
CB5P0

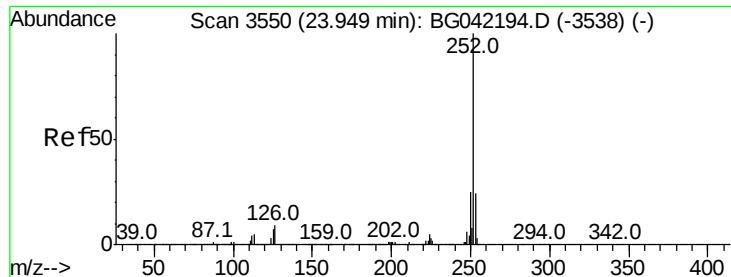
Tot	Ion:228	Resp:	256039
Ion	Ratio	Lower	Upper
228	100		
229	20.9	17.0	25.6
226	28.3	23.3	34.9



#84
Chrysene
Concen: 7.264 ng/ul
RT: 21.77 min Scan# 3179
Delta R.T. -0.00 min
Lab File: BG042203.D
Acq: 14 Aug 2019 9:58

Tgt Ion	228	Resp: Lower	231297 Upper
	Ratio		
228	100		
226	30.1	25.7	38.5
229	19.8	16.6	24.8





#87

Benzo(b)fluoranthene

Concen: 8.798 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. 0.01 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Instrument :

BNA_G

ClientSampleId :

CB5P0

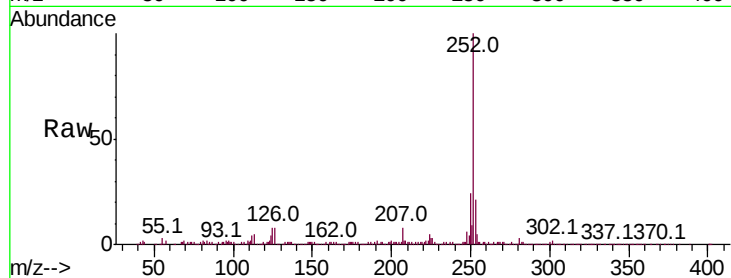
Tot Ion:252 Resp: 321949

Ion Ratio Lower Upper

252 100

253 21.1 18.4 27.6

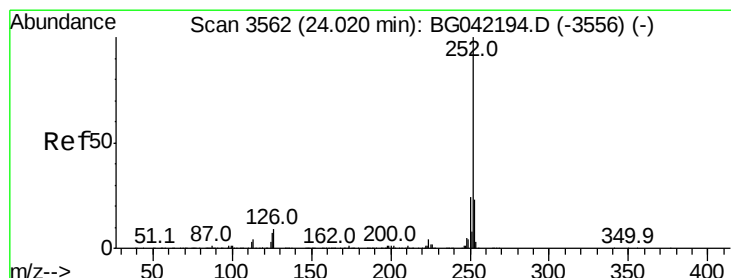
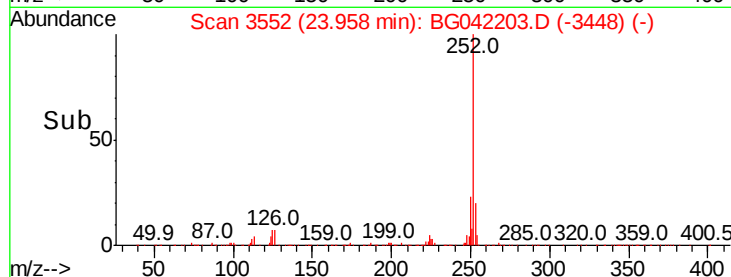
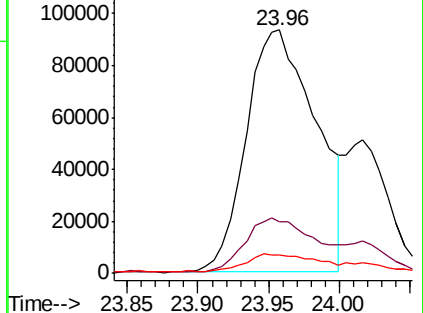
125 7.6 5.8 8.8



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: 9.151 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. -0.06 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

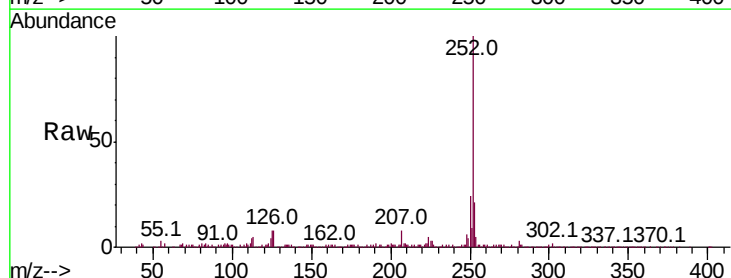
Tgt Ion:252 Resp: 321949

Ion Ratio Lower Upper

252 100

253 21.1 18.3 27.5

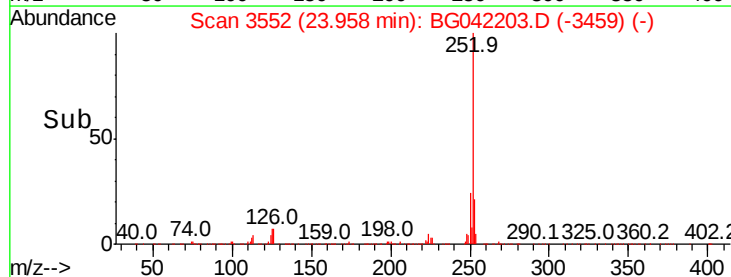
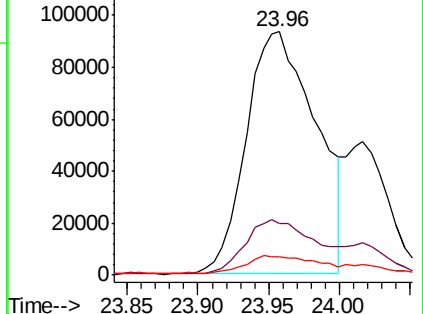
125 7.6 5.5 8.3

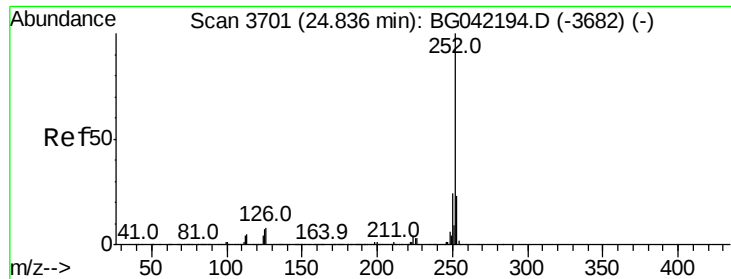


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 6.032 ng/ul

RT: 24.84 min Scan# 3702

Delta R.T. 0.00 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Instrument :

BNA_G

ClientSampleId :

CB5P0

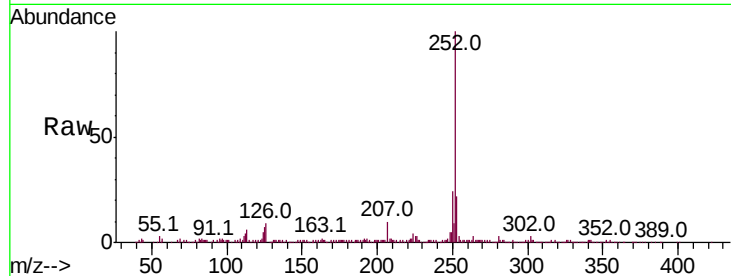
Tot Ion:252 Resp: 210320

Ion Ratio Lower Upper

252 100

253 21.8 18.3 27.5

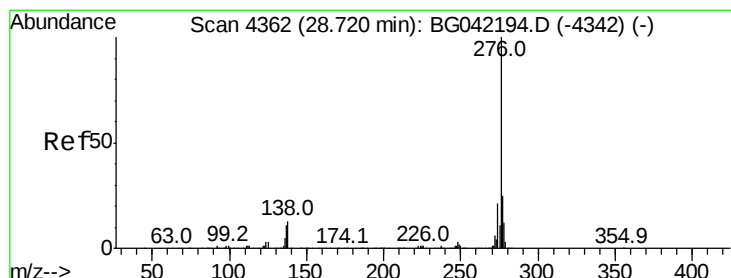
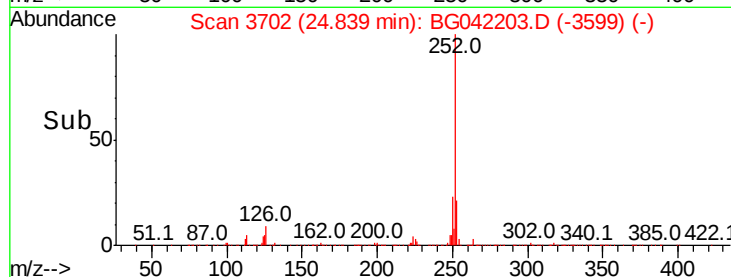
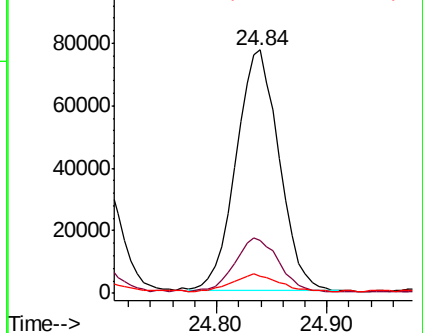
125 7.2 6.5 9.7



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: 3.015 ng/ul

RT: 28.72 min Scan# 4362

Delta R.T. 0.00 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

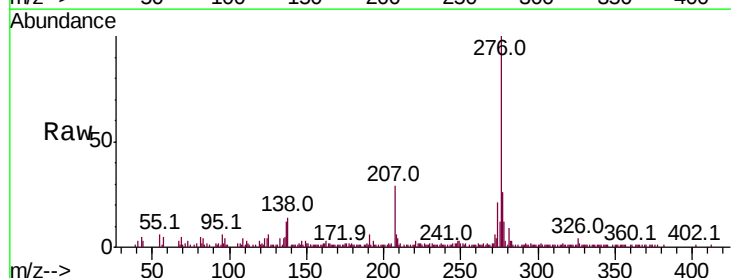
Tgt Ion:276 Resp: 122629

Ion Ratio Lower Upper

276 100

138 13.8 12.0 18.0

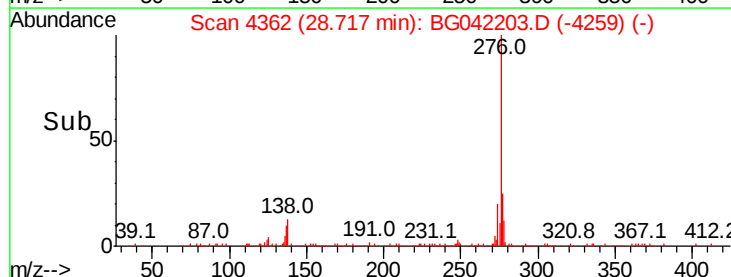
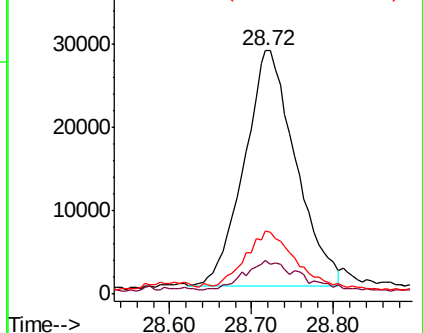
277 26.1 19.2 28.8

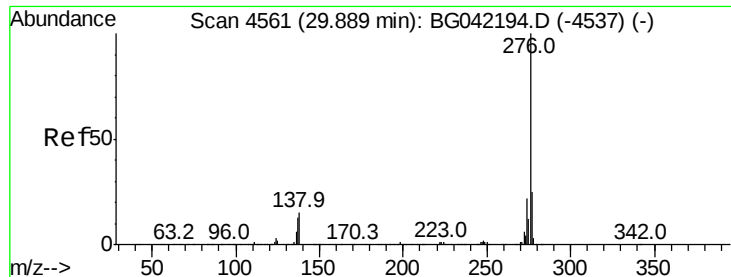


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Benzo(a,h,i)perylene

Concen: 2.930 ng/ul

RT: 29.89 min Scan# 4561

Delta R.T. 0.01 min

Lab File: BG042203.D

Acq: 14 Aug 2019 9:58

Instrument :

BNA_G

ClientSampleId :

CB5P0

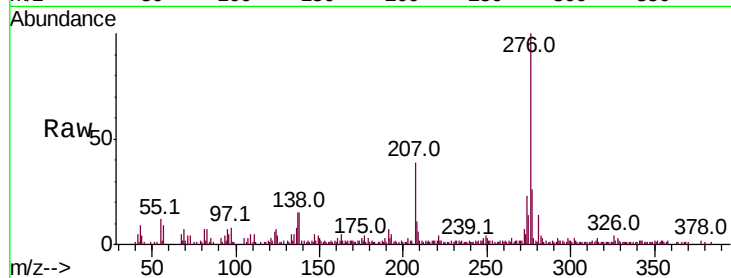
Tot Ion:276 Resp: 99478

Ion Ratio Lower Upper

276 100

138 15.4 12.6 18.8

277 25.6 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

