

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
 Data File : BG042197.D
 Acq On : 14 Aug 2019 6:07
 Operator : HP/JU
 Sample : K4304-03
 Misc :
 ALS Vial : 59 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB5N4

Quant Time: Aug 14 08:33:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 08:30:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	89662	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	365789	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	249668	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	509089	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	497446	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	607801	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.40	96	7409	3.62	ng/uL	0.00
5) Phenol-d5	7.18	99	171508	24.37	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	86898	22.08	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	153540	25.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	138248	23.40	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	78901	28.65	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	98458	30.80	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	178054	27.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	210039	29.33	ng/ul	0.00
43) Dimethylphthalate-d6	14.08	166	539370	27.85	ng/ul	0.00
46) Acenaphthylene-d8	14.37	160	636649	28.78	ng/ul	0.00
51) 4-Nitrophenol-d4	14.88	143	73044	22.47	ng/ul	0.00
57) Fluorene-d10	15.68	176	474368	27.54	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	72964	22.34	ng/ul	0.00
70) Anthracene-d10	17.54	188	698149	28.58	ng/ul	0.00
78) Pyrene-d10	19.83	212	803256	28.94	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	933649	29.40	ng/ul	0.00

Target Compounds

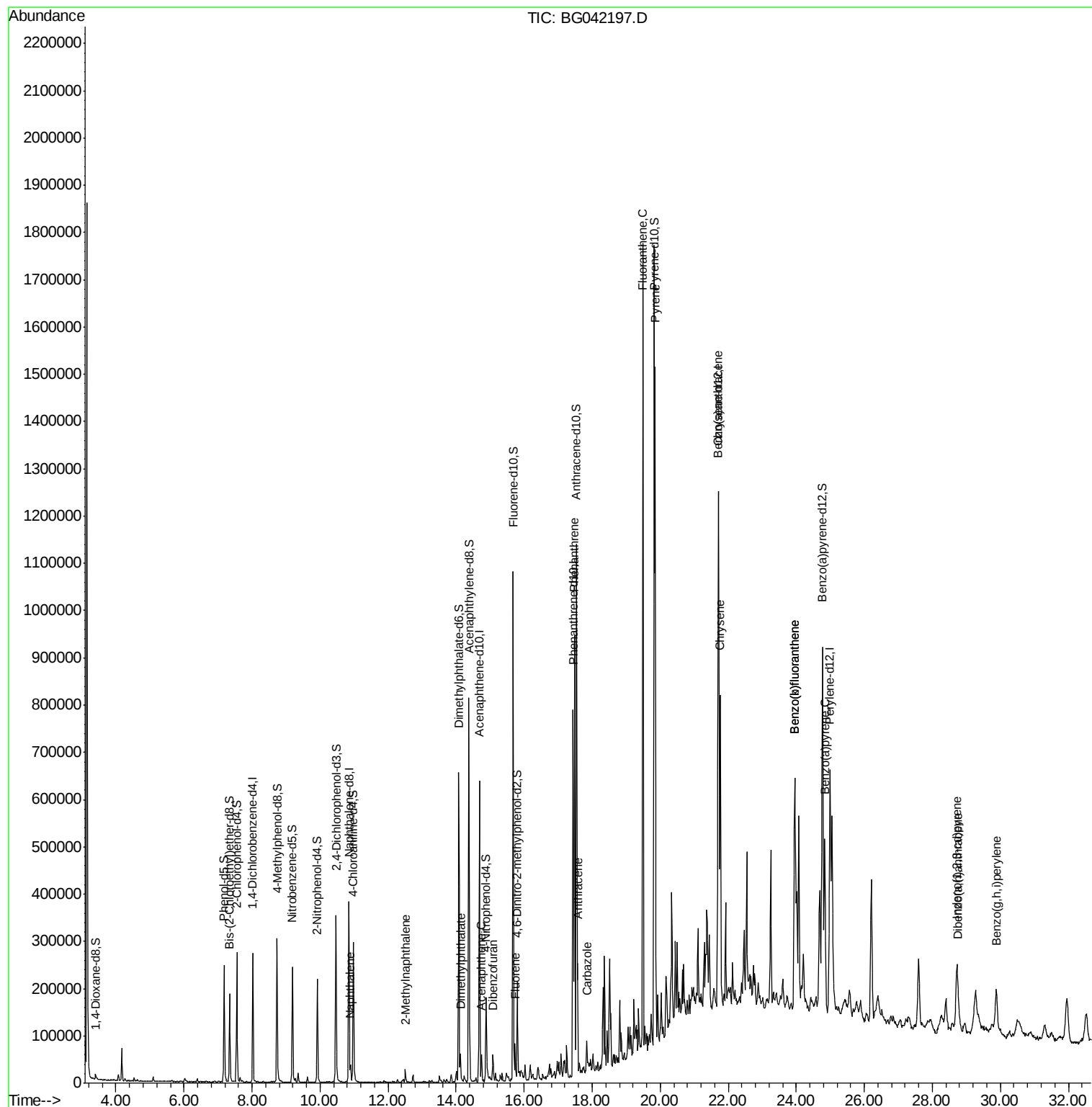
					Ovalue	
28) Naphthalene	10.90	128	36551	1.955	ng/ul	96
34) 2-Methylnaphthalene	12.51	142	16373	1.102	ng/ul	94
44) Dimethylphthalate	14.13	163	40186	2.090	ng/ul	99
49) Acenaphthene	14.75	153	25796	1.653	ng/ul	98
53) Dibenzofuran	15.09	168	29419	1.263	ng/ul	100
58) Fluorene	15.73	166	35022	1.866	ng/ul#	97
69) Phenanthrene	17.48	178	646143	23.184	ng/ul	98
71) Anthracene	17.57	178	163176	5.773	ng/ul	98
74) Carbazole	17.84	167	44123	1.884	ng/ul	99
76) Fluoranthene	19.49	202	1126195	34.973	ng/ul	100
79) Pyrene	19.86	202	925727	27.666	ng/ul	99
82) Benzo(a)anthracene	21.70	228	573571	16.630	ng/ul	99
84) Chrysene	21.77	228	512472	15.920	ng/ul	99
87) Benzo(b)fluoranthene	23.95	252	688765	18.058	ng/ul	100
88) Benzo(k)fluoranthene	23.95	252	688765	18.781	ng/ul	100
90) Benzo(a)pyrene	24.84	252	445321	12.252	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	28.72	276	256208	6.043	ng/ul	98
92) Dibenzo(a,h)anthracene	28.76	278	39578	1.145	ng/ul	97
93) Benzo(g,h,i)perylene	29.89	276	208330	5.886	ng/ul#	94

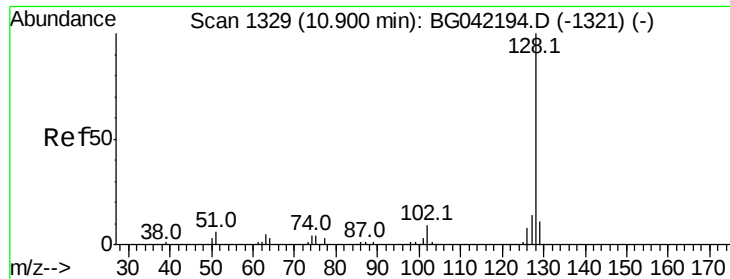
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#28

Naphthalene

Concen: 1.955 ng/ul

RT: 10.90 min Scan# 1330

Delta R.T. 0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

Instrument :

BNA_G

ClientSampleId :

CB5N4

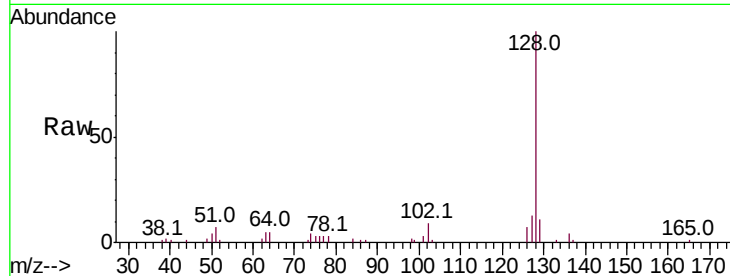
Tot Ion:128 Resp: 36551

Ion Ratio Lower Upper

128 100

129 10.5 9.5 14.3

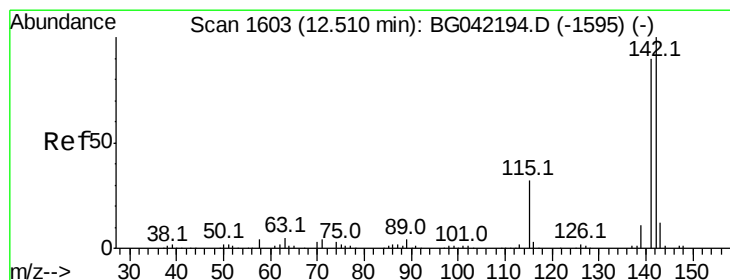
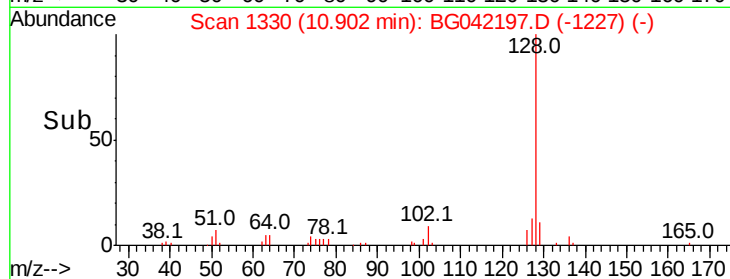
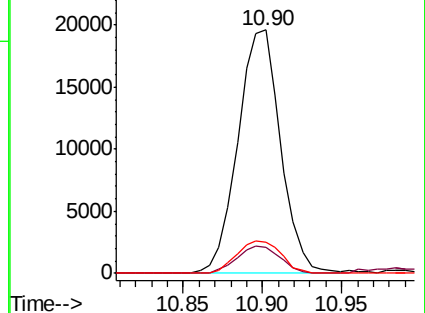
127 12.7 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#34

2-Methylnaphthalene

Concen: 1.102 ng/ul

RT: 12.51 min Scan# 1604

Delta R.T. 0.00 min

Lab File: BG042197.D

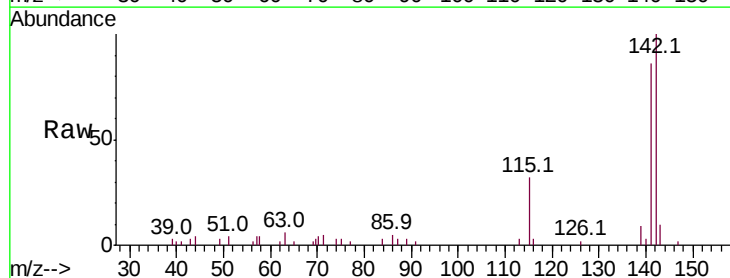
Acq: 14 Aug 2019 6:07

Tgt Ion:142 Resp: 16373

Ion Ratio Lower Upper

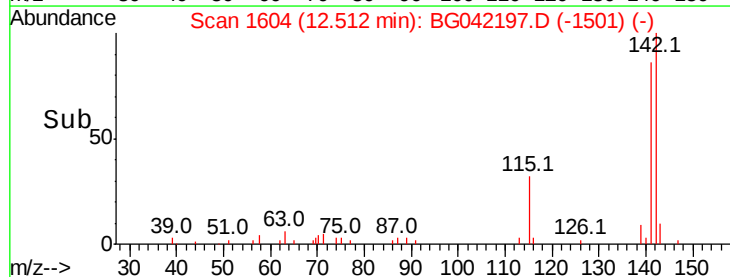
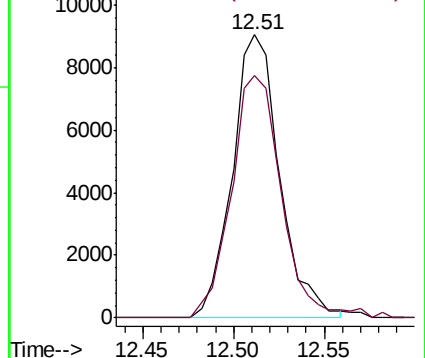
142 100

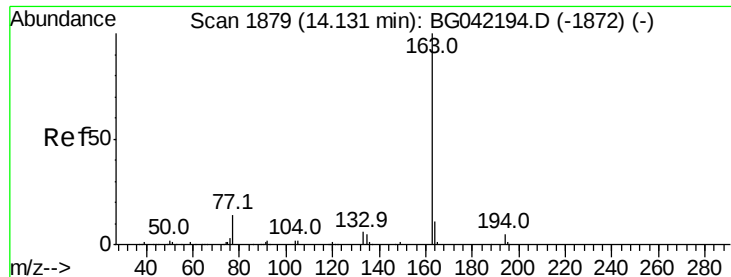
141 85.7 72.9 109.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#44

Dimethylphthalate

Concen: 2.090 ng/ul

RT: 14.13 min Scan# 1879

Delta R.T. -0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

Instrument :

BNA_G

ClientSampleId :

CB5N4

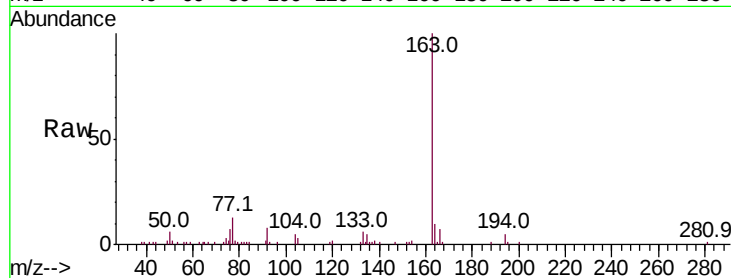
Tot Ion:163 Resp: 40186

Ion Ratio Lower Upper

163 100

194 4.9 4.2 6.2

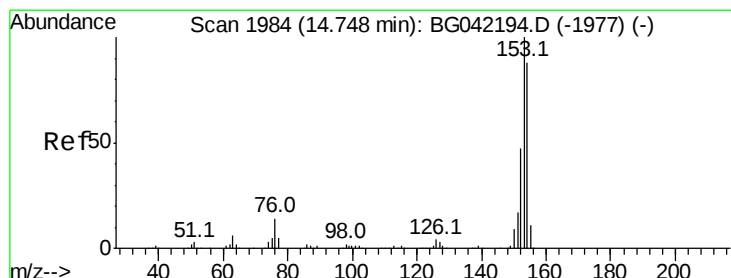
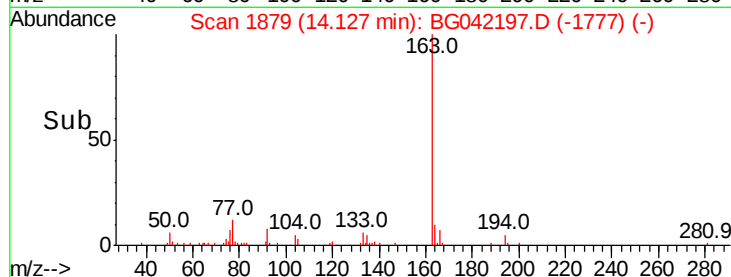
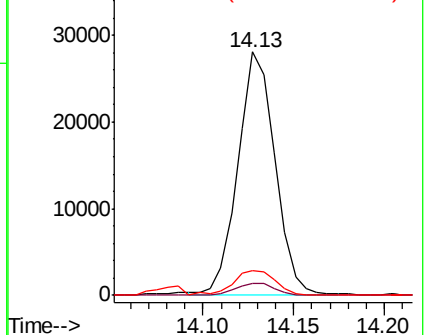
164 10.2 7.8 11.8



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: 1.653 ng/ul

RT: 14.75 min Scan# 1985

Delta R.T. 0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

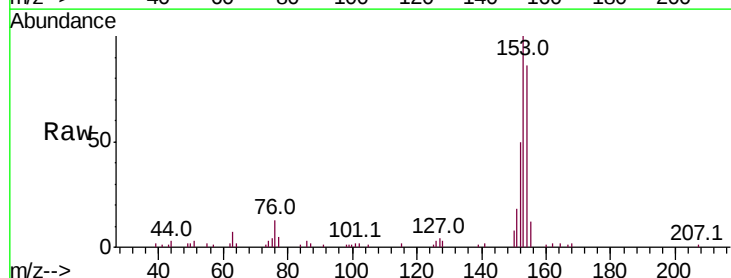
Tgt Ion:153 Resp: 25796

Ion Ratio Lower Upper

153 100

152 49.8 37.8 56.8

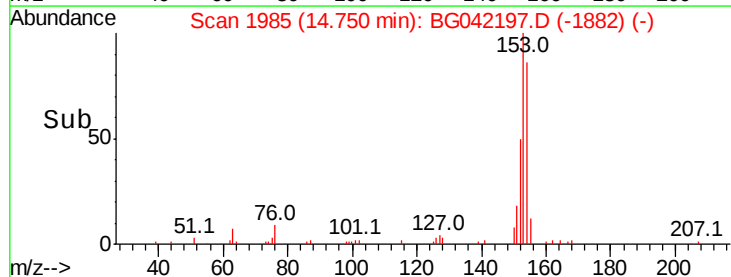
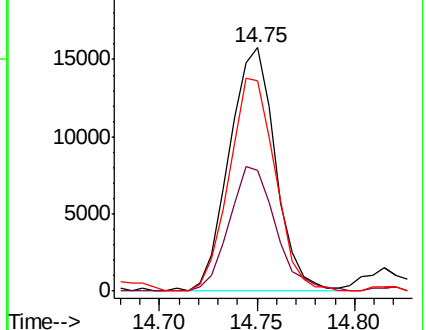
154 86.5 69.4 104.2

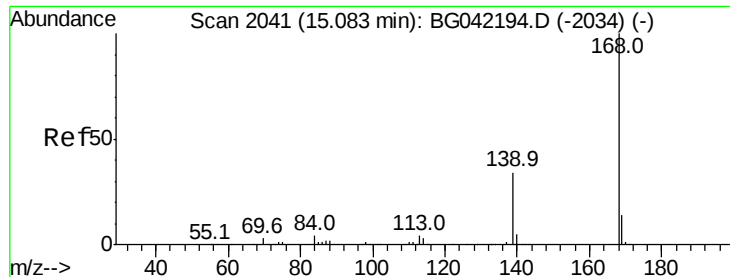


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.263 ng/ul

RT: 15.09 min Scan# 2042

Delta R.T. 0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

Instrument :

BNA_G

ClientSampleId :

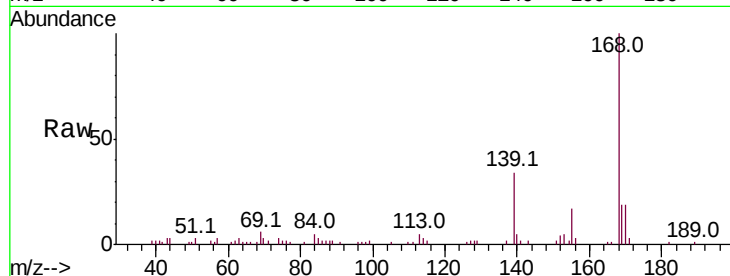
CB5N4

Tot Ion:168 Resp: 29419

Ion Ratio Lower Upper

168 100

139 34.1 27.3 40.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.09

20000

15000

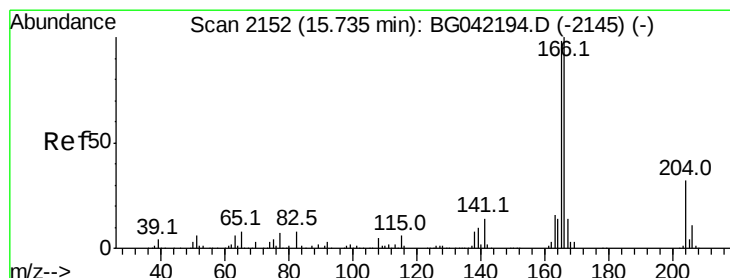
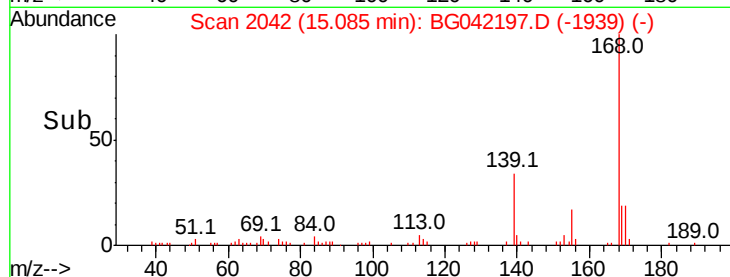
10000

5000

0

15.05 15.10 15.15

Time-->



#58

Fluorene

Concen: 1.866 ng/ul

RT: 15.73 min Scan# 2152

Delta R.T. -0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

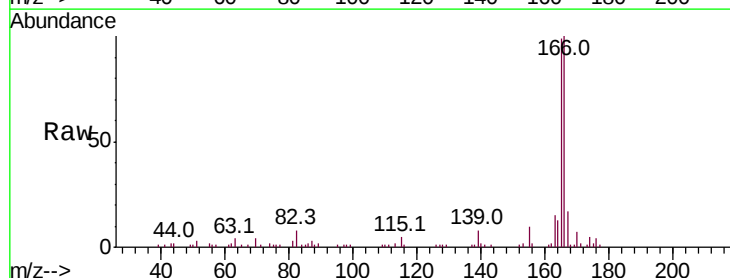
Tgt Ion:166 Resp: 35022

Ion Ratio Lower Upper

166 100

165 98.8 81.1 121.7

167 16.6 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

15.73

30000

25000

20000

15000

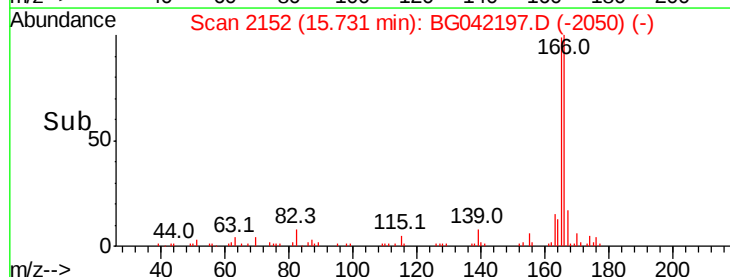
10000

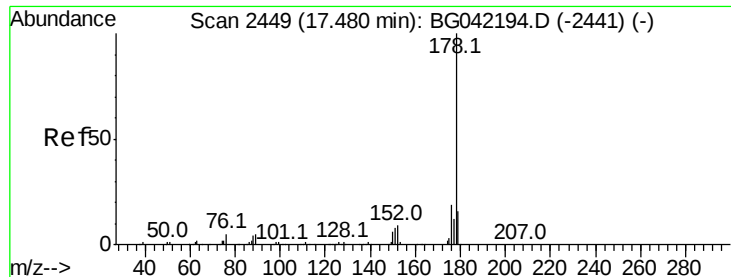
5000

0

15.70 15.75 15.80

Time-->





#69

Phenanthrene

Concen: 23.184 ng/ul

RT: 17.48 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

Instrument :

BNA_G

ClientSampleId :

CB5N4

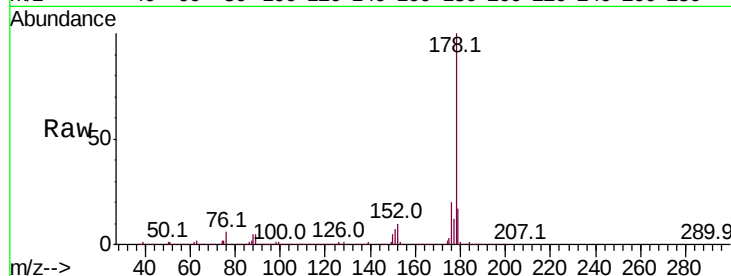
Tot Ion:178 Resp: 646143

Ion Ratio Lower Upper

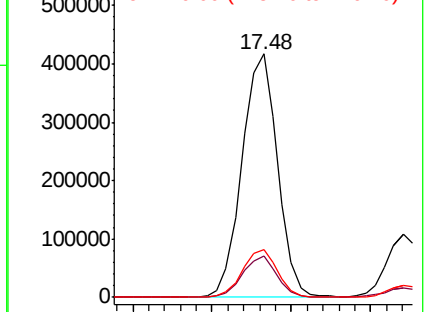
178 100

179 16.9 12.8 19.2

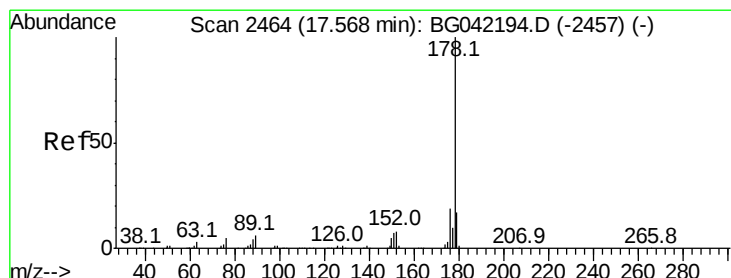
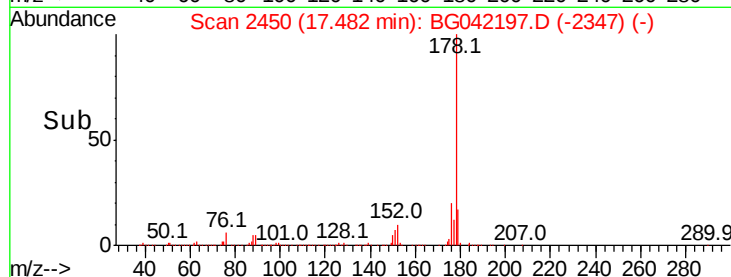
176 19.8 15.4 23.2



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



Time--> 17.40 17.45 17.50 17.55



#71

Anthracene

Concen: 5.773 ng/ul

RT: 17.57 min Scan# 2465

Delta R.T. -0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

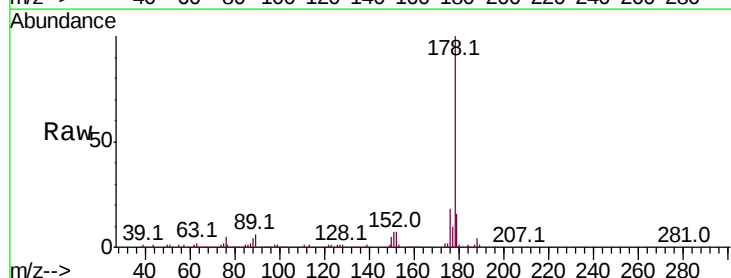
Tgt Ion:178 Resp: 163176

Ion Ratio Lower Upper

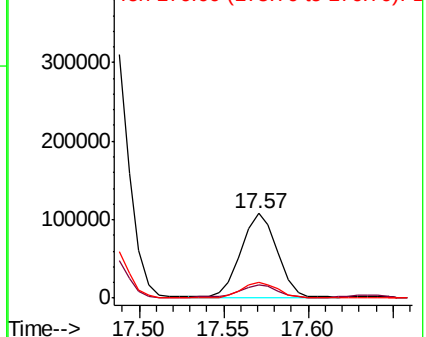
178 100

179 15.8 13.4 20.0

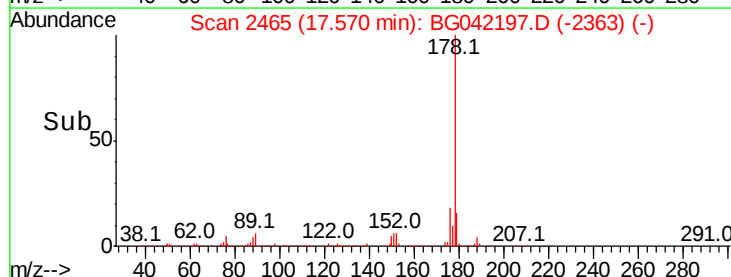
176 18.3 15.4 23.2

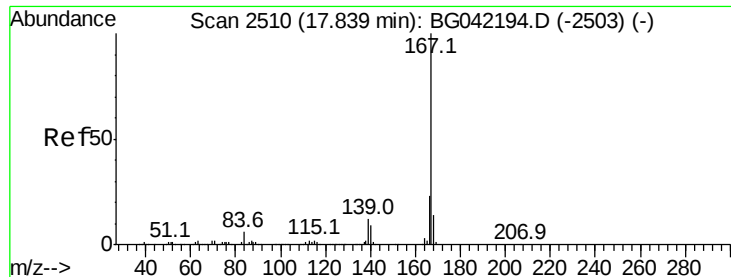


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time--> 17.50 17.55 17.60





#74

Carbazole

Concen: 1.884 ng/ul

RT: 17.84 min Scan# 2511

Delta R.T. 0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

Instrument :

BNA_G

ClientSampleId :

CB5N4

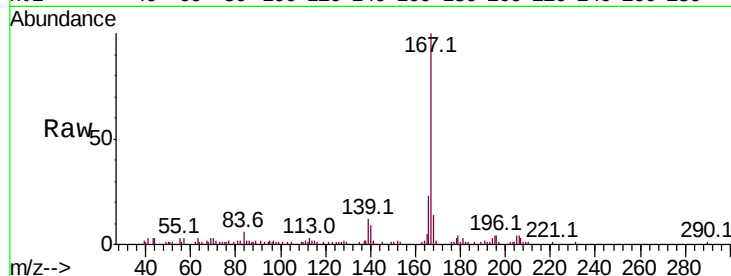
Tot Ion:167 Resp: 44123

Ion Ratio Lower Upper

167 100

166 22.5 18.2 27.4

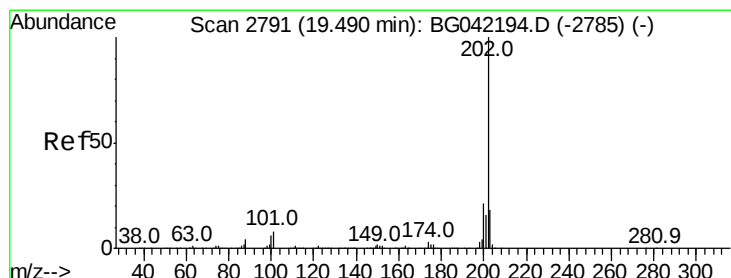
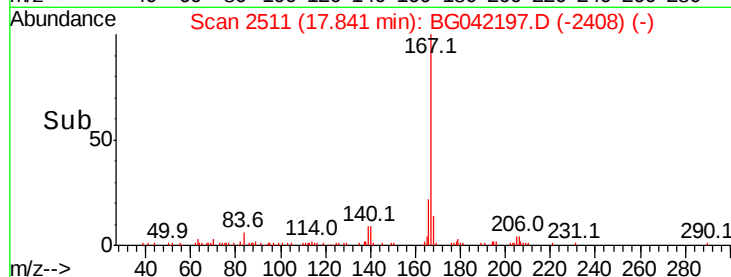
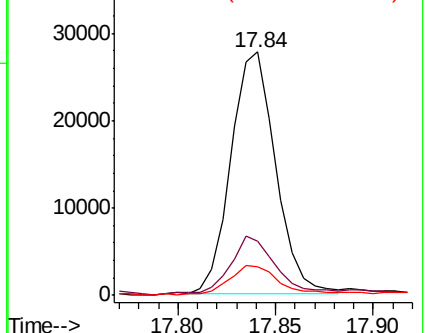
139 11.7 9.6 14.4



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: 34.973 ng/ul

RT: 19.49 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

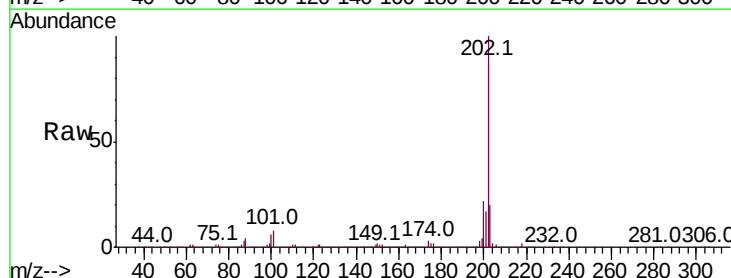
Tgt Ion:202 Resp: 1126195

Ion Ratio Lower Upper

202 100

101 8.4 6.7 10.1

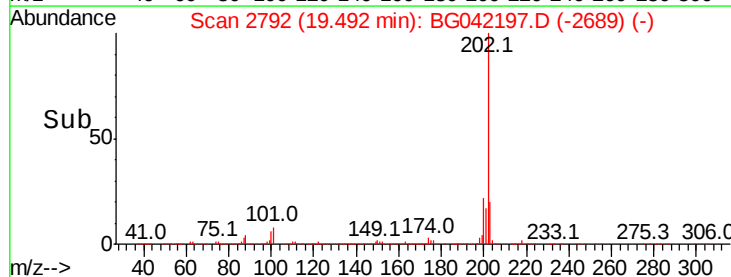
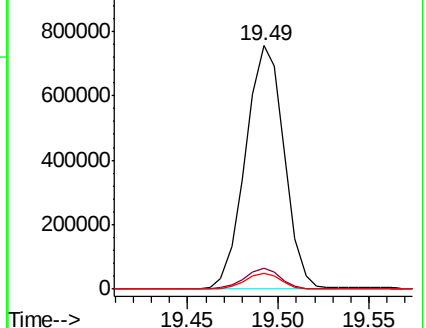
100 6.3 5.3 7.9

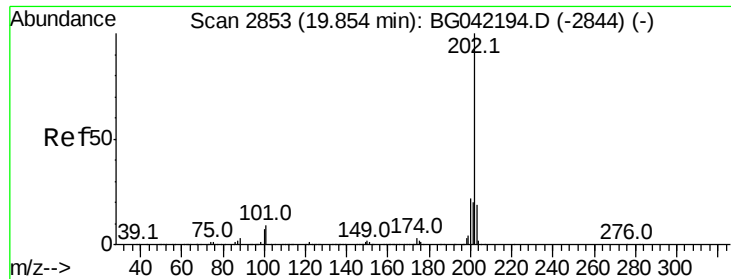


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

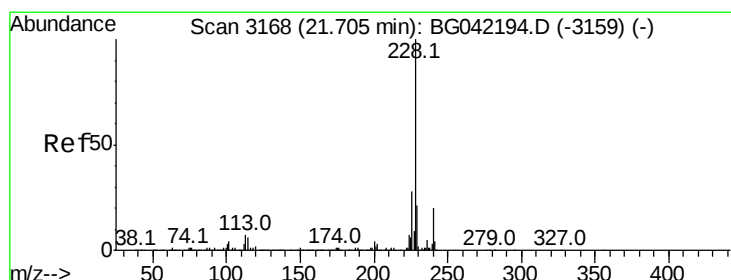
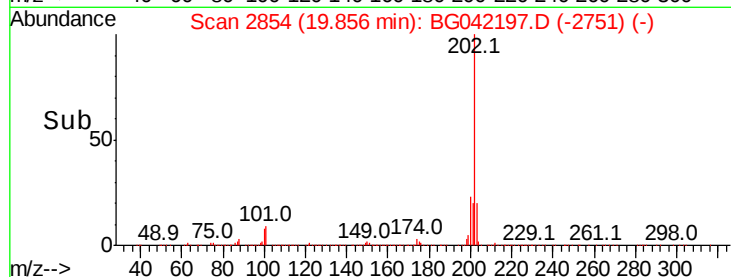
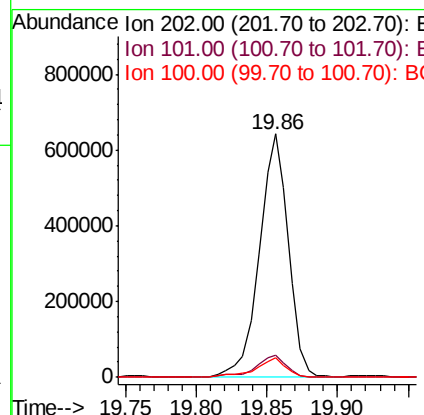
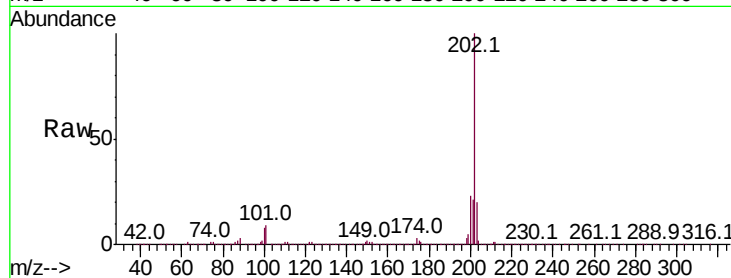




#79
Pvrene
Concen: 27.666 ng/ul
RT: 19.86 min Scan# 2854
Delta R.T. 0.00 min
Lab File: BG042197.D
Acq: 14 Aug 2019 6:07

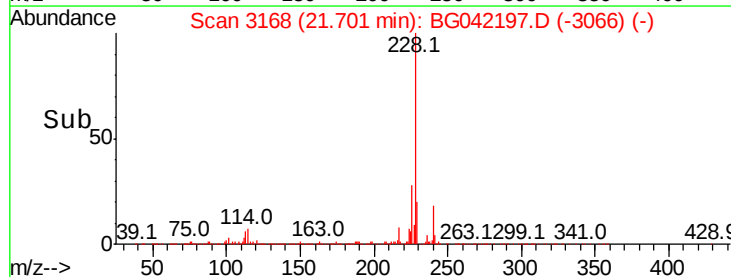
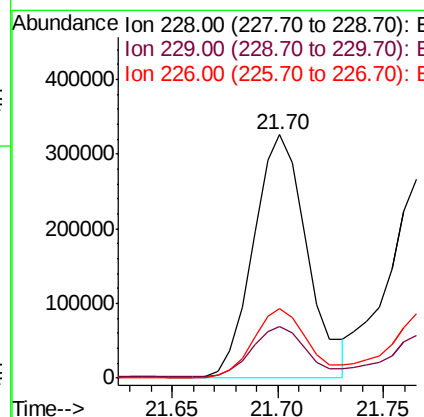
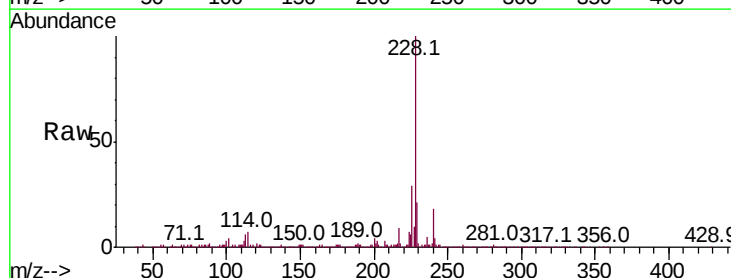
Instrument :
BNA_G
ClientSampleId :
CB5N4

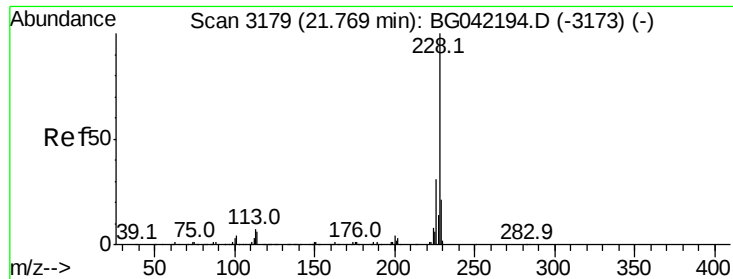
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.9	7.6	11.4
100	7.8	6.5	9.7



#82
Benzo(a)anthracene
Concen: 16.630 ng/ul
RT: 21.70 min Scan# 3168
Delta R.T. -0.00 min
Lab File: BG042197.D
Acq: 14 Aug 2019 6:07

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.3	17.0	25.6
226	28.6	23.3	34.9

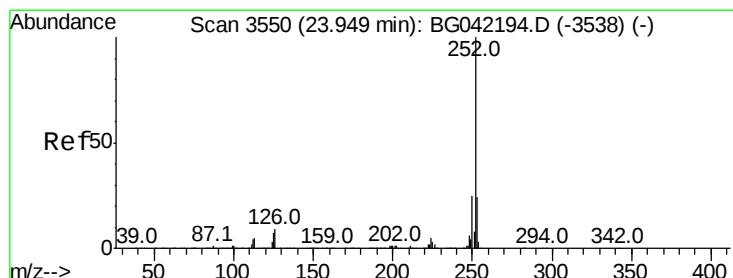
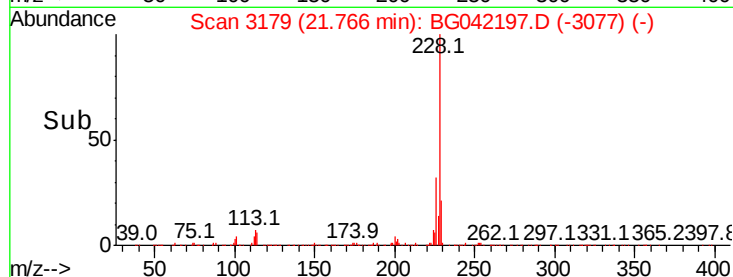
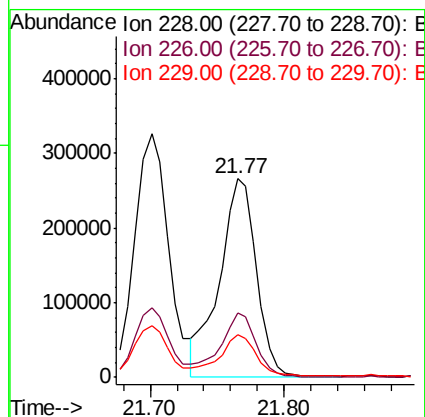
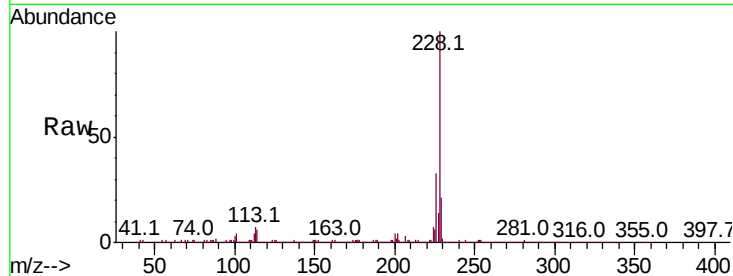




#84
Chrysene
Concen: 15.920 ng/ul
RT: 21.77 min Scan# 3179
Delta R.T. -0.00 min
Lab File: BG042197.D
Acq: 14 Aug 2019 6:07

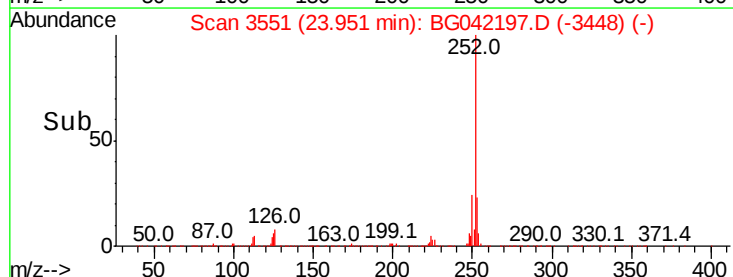
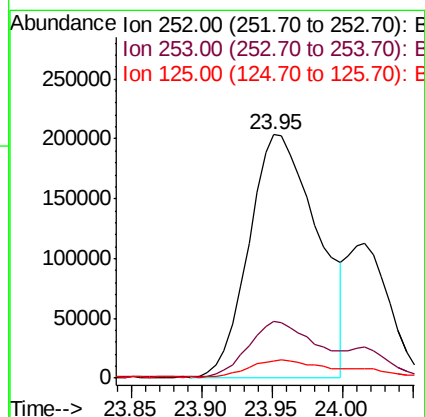
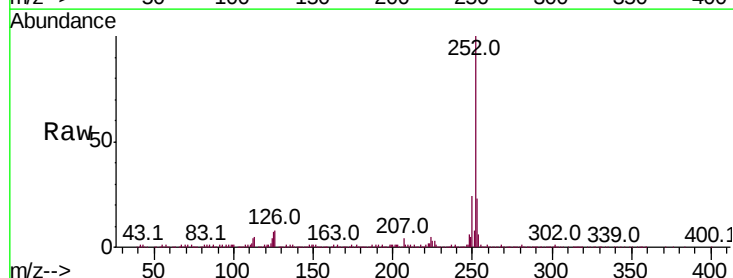
Instrument :
BNA_G
ClientSampleId :
CB5N4

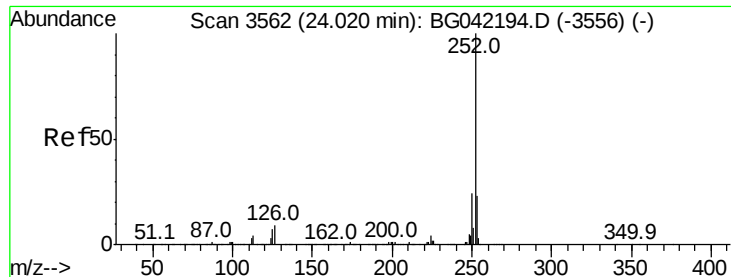
Tot Ion:228 Resp: 512472
Ion Ratio Lower Upper
228 100
226 32.5 25.7 38.5
229 21.2 16.6 24.8



#87
Benzo(b)fluoranthene
Concen: 18.058 ng/ul
RT: 23.95 min Scan# 3551
Delta R.T. 0.00 min
Lab File: BG042197.D
Acq: 14 Aug 2019 6:07

Tgt Ion:252 Resp: 688765
Ion Ratio Lower Upper
252 100
253 23.1 18.4 27.6
125 6.8 5.8 8.8





#88

Benzo(k)fluoranthene

Concen: 18.781 ng/ul

RT: 23.95 min Scan# 3551

Delta R.T. -0.06 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

Instrument :

BNA_G

ClientSampleId :

CB5N4

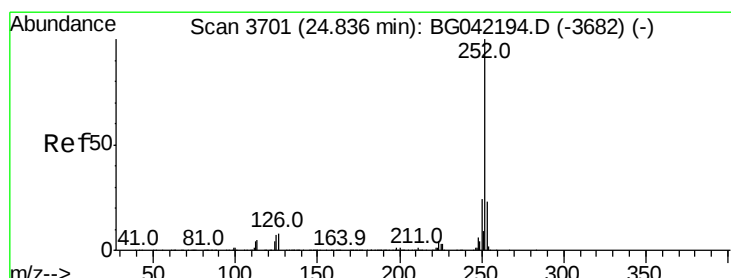
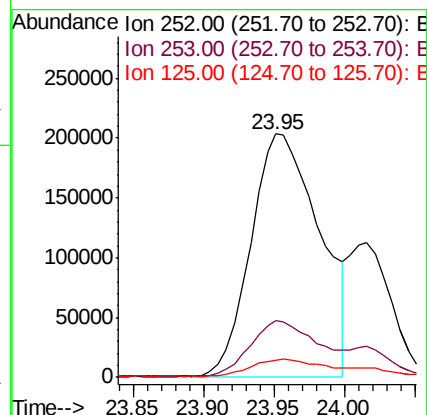
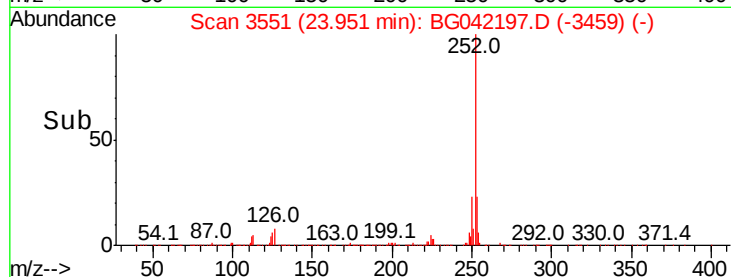
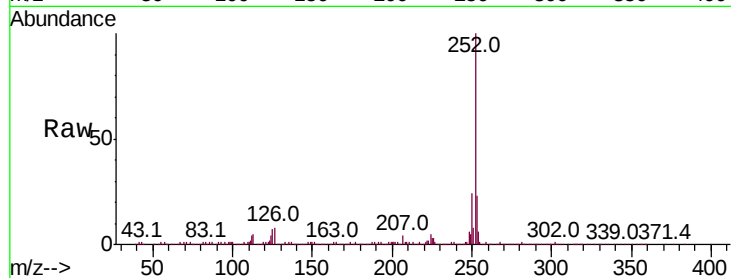
Tot Ion:252 Resp: 688765

Ion Ratio Lower Upper

252 100

253 23.1 18.3 27.5

125 6.8 5.5 8.3



#90

Benzo(a)pyrene

Concen: 12.252 ng/ul

RT: 24.84 min Scan# 3702

Delta R.T. 0.00 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

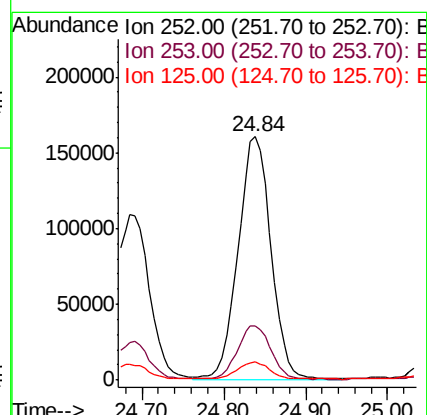
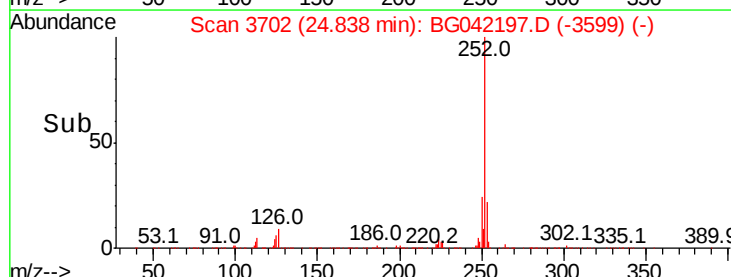
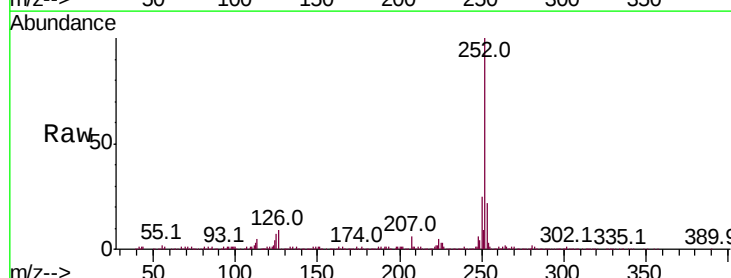
Tgt Ion:252 Resp: 445321

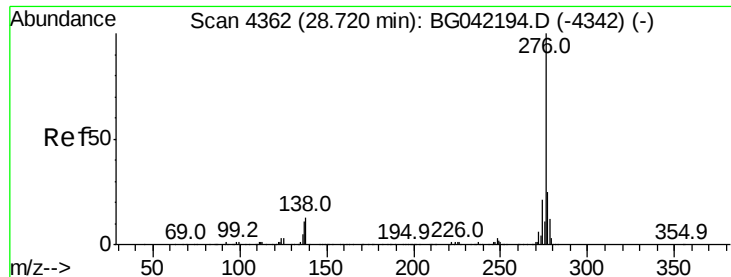
Ion Ratio Lower Upper

252 100

253 22.2 18.3 27.5

125 7.5 6.5 9.7



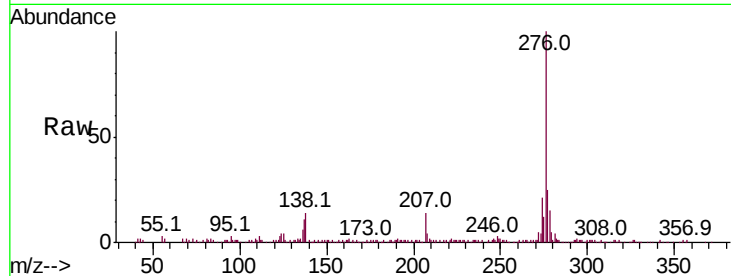


#91

Indeno(1,2,3-cd)pyrene
Concen: 6.043 ng/ul
RT: 28.72 min Scan# 4363
Delta R.T. 0.01 min
Lab File: BG042197.D
Acq: 14 Aug 2019 6:07

Instrument :
BNA_G
ClientSampleId :
CB5N4

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.0	12.0	18.0
277	24.9	19.2	28.8

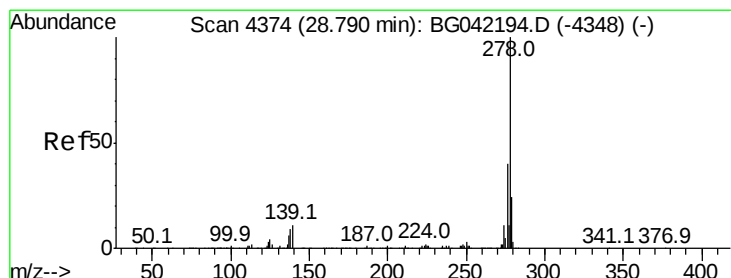
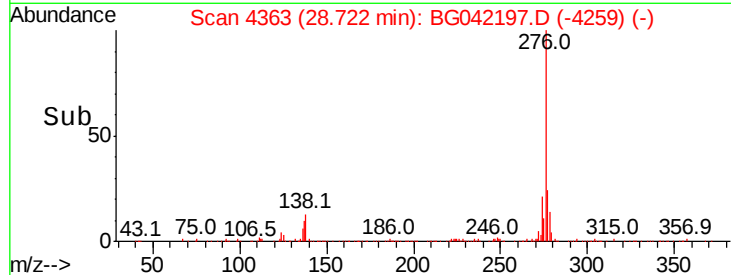
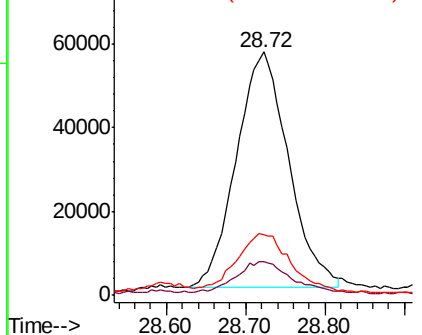


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

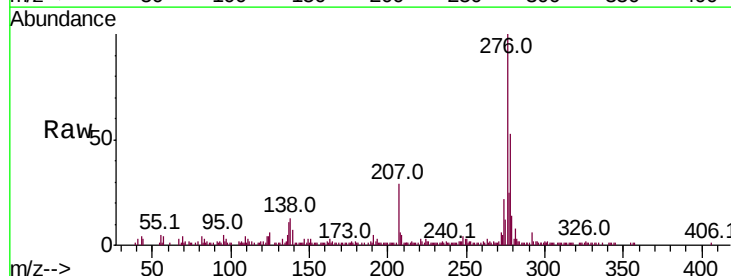
Ion 277.00 (276.70 to 277.70): E



#92

Dibenzo(a,h)anthracene
Concen: 1.145 ng/ul
RT: 28.76 min Scan# 4369
Delta R.T. -0.02 min
Lab File: BG042197.D
Acq: 14 Aug 2019 6:07

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.4	9.4	14.0
279	25.6	19.2	28.8

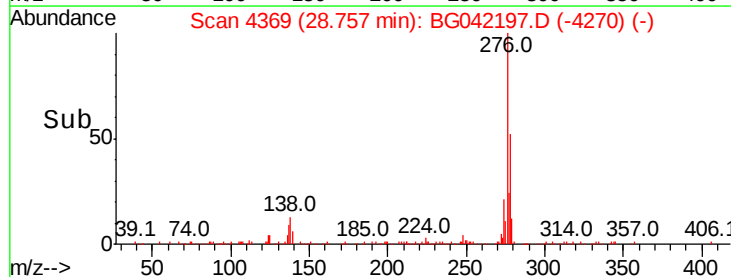
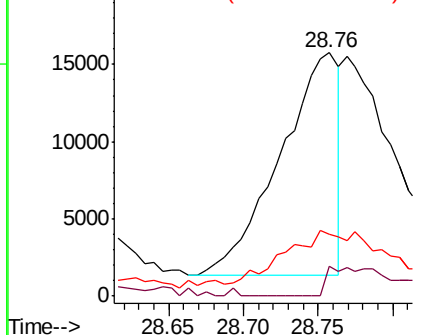


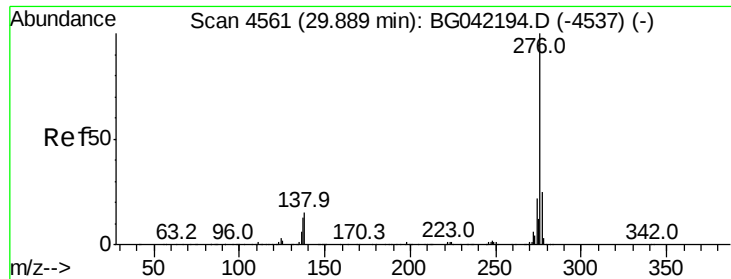
Abundance

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: 5.886 ng/ul

RT: 29.89 min Scan# 4562

Delta R.T. 0.01 min

Lab File: BG042197.D

Acq: 14 Aug 2019 6:07

Instrument :

BNA_G

ClientSampleId :

CB5N4

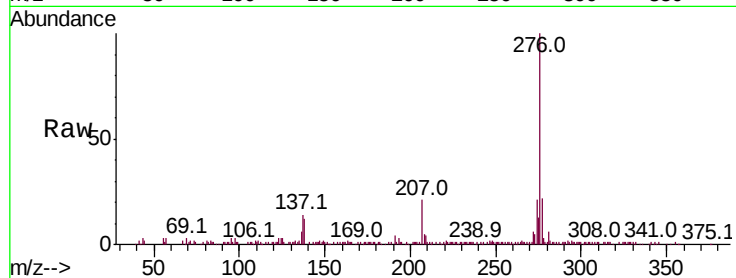
Tot Ion: 276 Resp: 208330

Ion Ratio Lower Upper

276 100

138 12.1 12.6 18.8#

277 22.2 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

