

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081319\
 Data File : BG042199.D
 Acq On : 14 Aug 2019 7:24
 Operator : HP/JU
 Sample : K4304-05
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CB5N6

Quant Time: Aug 14 08:34:19 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	84158	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	348277	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	241016	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	495700	20.00	ng/ul	0.00
77) Chrysene-d12	21.72	240	483370	20.00	ng/ul	0.00
85) Perylene-d12	24.99	264	583902	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	8469	4.40	ng/uL	0.00
5) Phenol-d5	7.18	99	218531	33.09	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	106872	28.93	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	195339	34.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	192701	34.75	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	100239	38.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	125815	41.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	234716	38.20	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	257218	37.72	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	696996	37.29	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	810443	37.96	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	2237	0.71	ng/ul	0.10
57) Fluorene-d10	15.68	176	614652	36.96	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	100497	31.60	ng/ul	0.00
70) Anthracene-d10	17.54	188	887993	37.34	ng/ul	0.00
78) Pyrene-d10	19.83	212	996709	36.95	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.77	264	1174783	38.51	ng/ul	0.00

Target Compounds

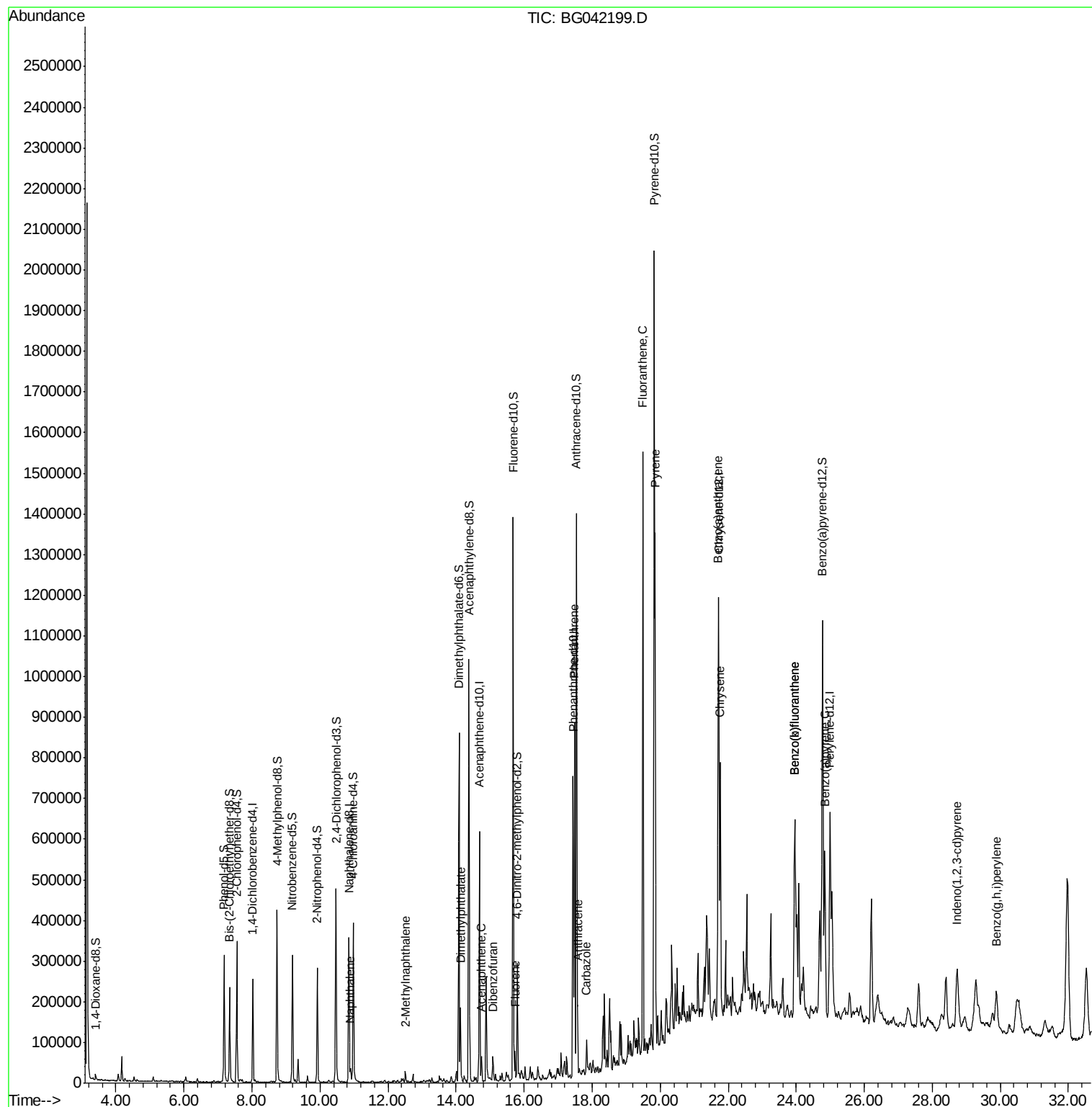
					Ovalue	
28) Naphthalene	10.90	128	33809	1.899	ng/ul	95
34) 2-Methylnaphthalene	12.51	142	15985	1.130	ng/ul	96
44) Dimethylphthalate	14.13	163	126937	6.839	ng/ul	98
49) Acenaphthene	14.75	153	27212	1.806	ng/ul	98
53) Dibenzofuran	15.09	168	32681	1.453	ng/ul	100
58) Fluorene	15.73	166	33582	1.854	ng/ul	95
69) Phenanthrene	17.48	178	610677	22.503	ng/ul	100
71) Anthracene	17.57	178	112361	4.082	ng/ul	98
74) Carbazole	17.84	167	56511	2.479	ng/ul	97
76) Fluoranthene	19.49	202	983232	31.358	ng/ul	99
79) Pyrene	19.86	202	836460	25.726	ng/ul	97
82) Benzo(a)anthracene	21.70	228	513665	15.327	ng/ul	99
84) Chrysene	21.77	228	480398	15.358	ng/ul	99
87) Benzo(b)fluoranthene	23.96	252	682852	18.635	ng/ul	99
88) Benzo(k)fluoranthene	23.96	252	682852	19.382	ng/ul	99
90) Benzo(a)pyrene	24.84	252	464864	13.313	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	28.73	276	298431	7.328	ng/ul	97
93) Benzo(g,h,i)perylene	29.89	276	232116	6.826	ng/ul	99

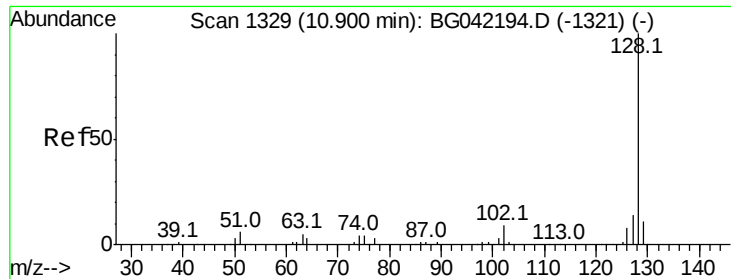
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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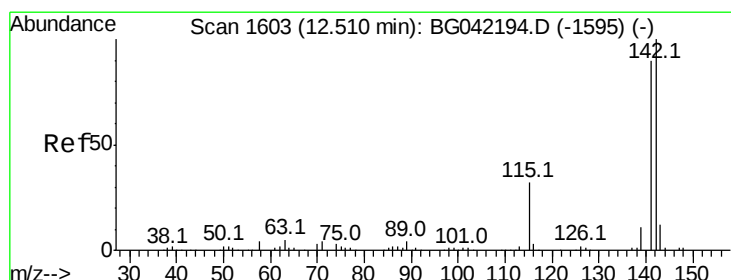
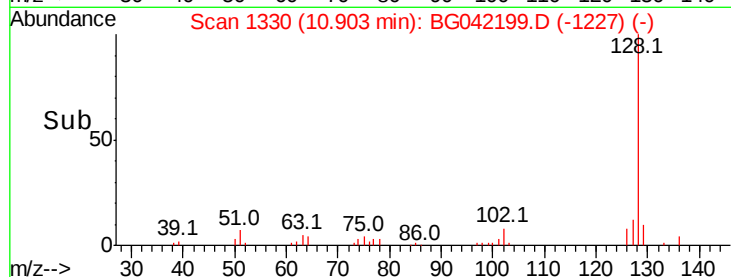
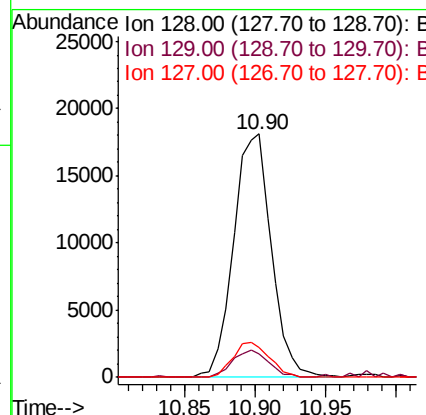
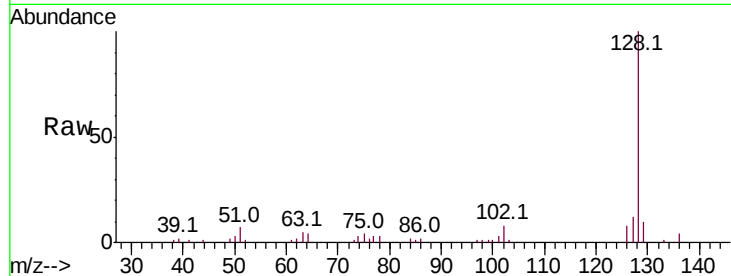




#28
Naphthalene
Concen: 1.899 ng/ul
RT: 10.90 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BG042199.D
Acq: 14 Aug 2019 7:24

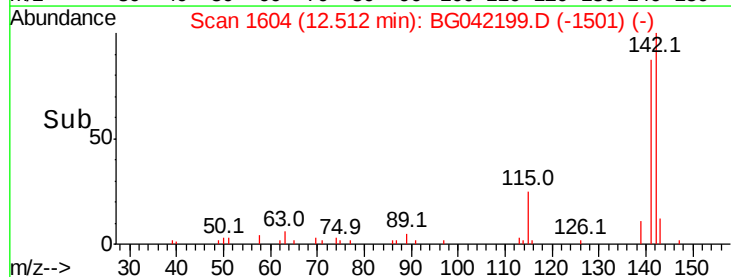
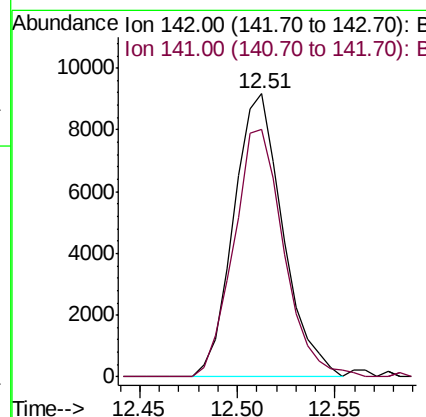
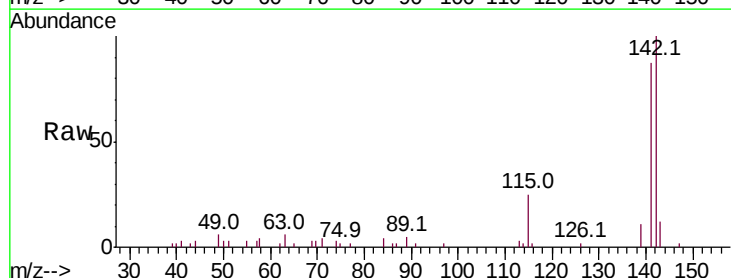
Instrument :
BNA_G
ClientSampleId :
CB5N6

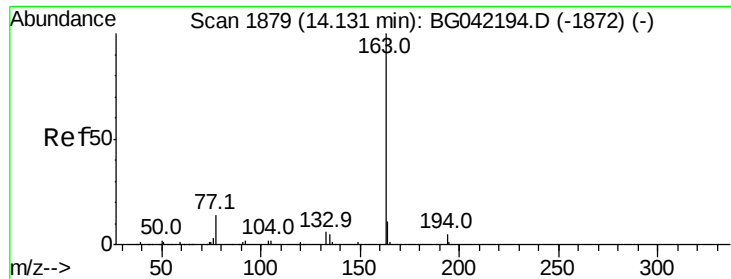
Tot Ion:128 Resp: 33809
Ion Ratio Lower Upper
128 100
129 9.6 9.5 14.3
127 12.1 11.4 17.0



#34
2-Methylnaphthalene
Concen: 1.130 ng/ul
RT: 12.51 min Scan# 1604
Delta R.T. 0.00 min
Lab File: BG042199.D
Acq: 14 Aug 2019 7:24

Tgt Ion:142 Resp: 15985
Ion Ratio Lower Upper
142 100
141 87.4 72.9 109.3

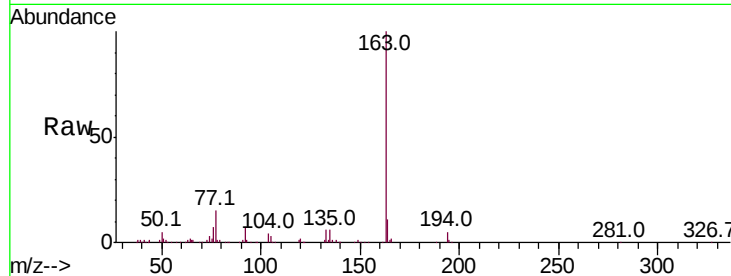




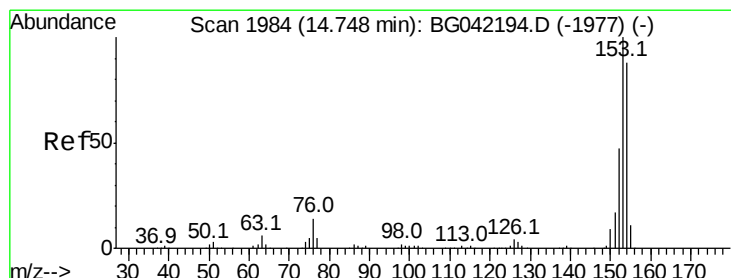
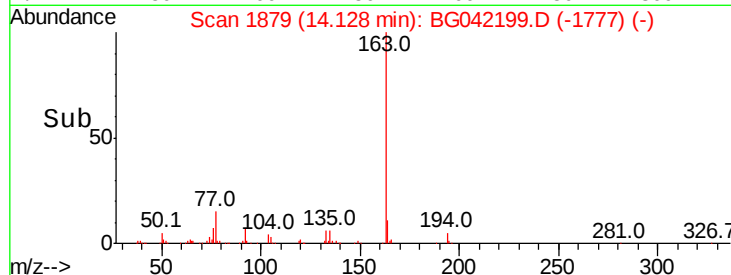
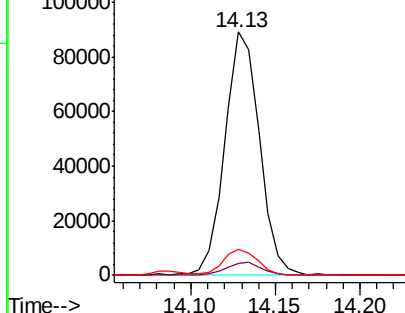
#44
Dimethylphthalate
Concen: 6.839 ng/ul
RT: 14.13 min Scan# 1879
Delta R.T. -0.00 min
Lab File: BG042199.D
Acq: 14 Aug 2019 7:24

Instrument :
BNA_G
ClientSampleId :
CB5N6

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.8	4.2	6.2
164	10.7	7.8	11.8

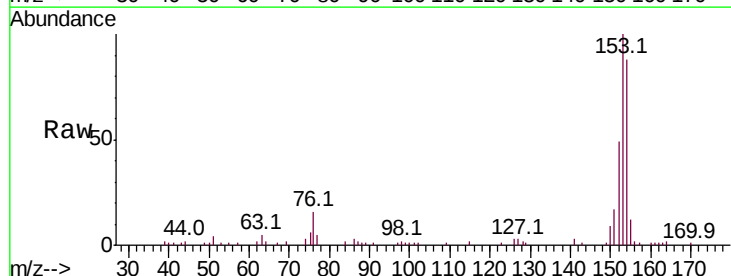


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

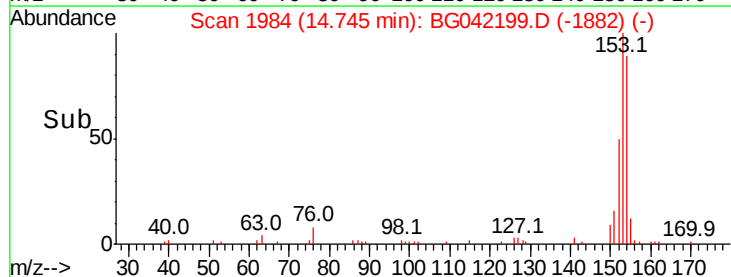
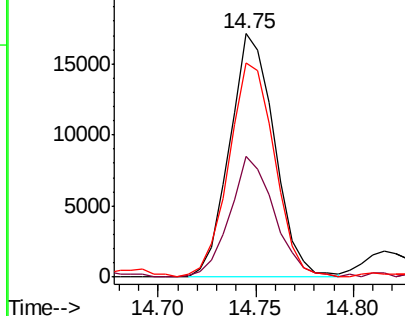


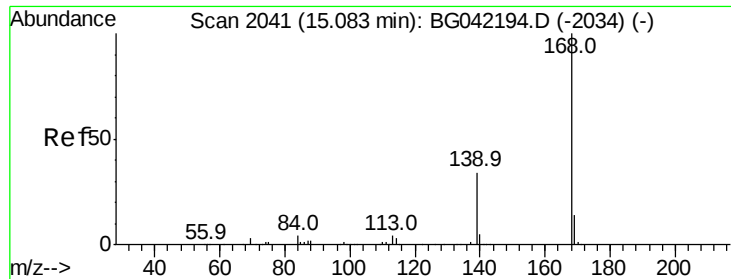
#49
Acenaphthene
Concen: 1.806 ng/ul
RT: 14.75 min Scan# 1984
Delta R.T. -0.00 min
Lab File: BG042199.D
Acq: 14 Aug 2019 7:24

Tgt Ion	Ratio	Lower	Upper
153	100		
152	49.4	37.8	56.8
154	87.7	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: 1.453 ng/ul

RT: 15.09 min Scan# 2042

Delta R.T. 0.00 min

Lab File: BG042199.D

Acq: 14 Aug 2019 7:24

Instrument :

BNA_G

ClientSampleId :

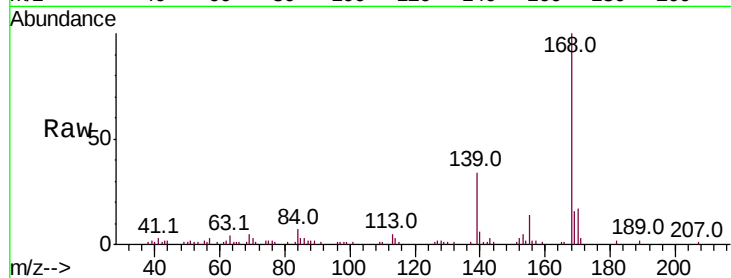
CB5N6

Tot Ion:168 Resp: 32681

Ion Ratio Lower Upper

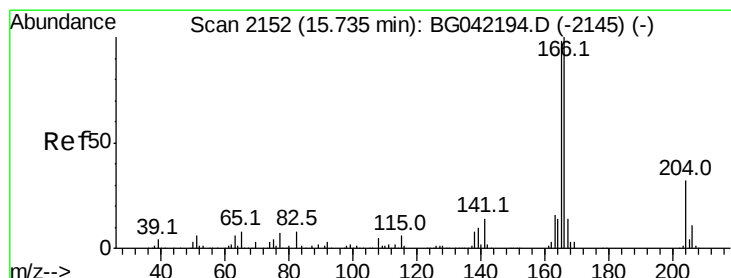
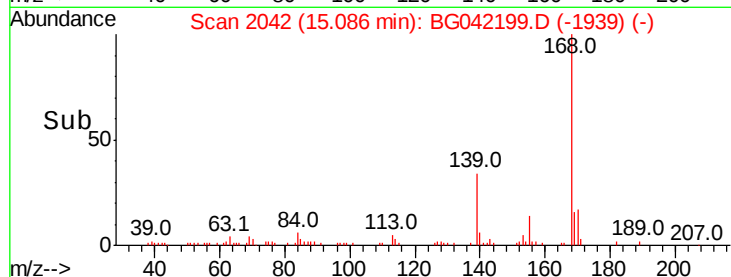
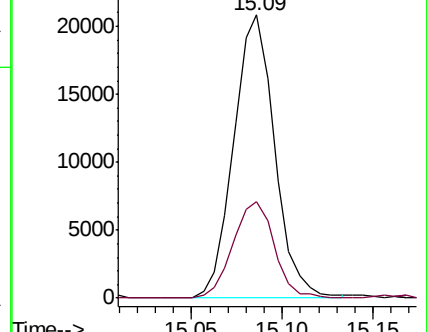
168 100

139 34.3 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: 1.854 ng/ul

RT: 15.73 min Scan# 2152

Delta R.T. -0.00 min

Lab File: BG042199.D

Acq: 14 Aug 2019 7:24

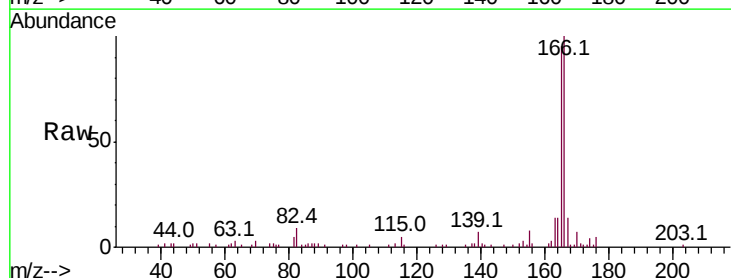
Tgt Ion:166 Resp: 33582

Ion Ratio Lower Upper

166 100

165 95.5 81.1 121.7

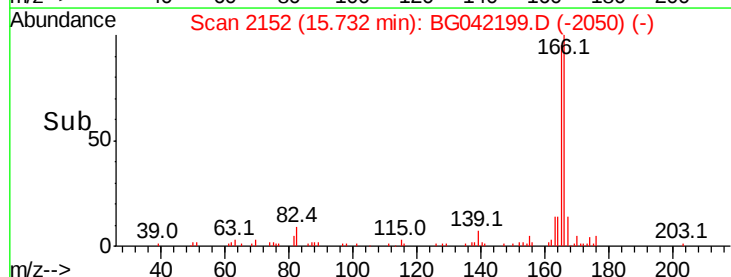
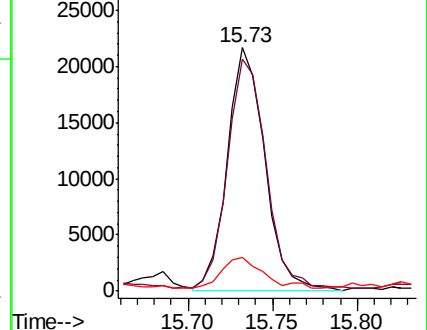
167 14.0 11.0 16.4

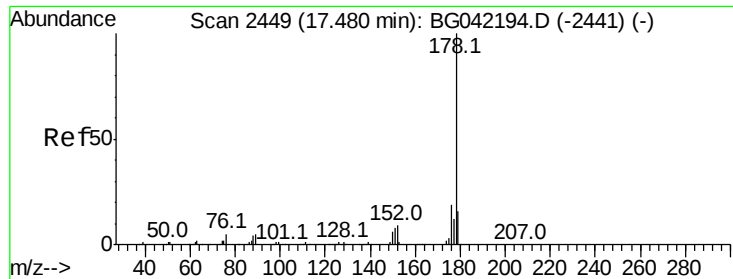


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 22.503 ng/ul

RT: 17.48 min Scan# 2450

Delta R.T. 0.00 min

Lab File: BG042199.D

Acq: 14 Aug 2019 7:24

Instrument :

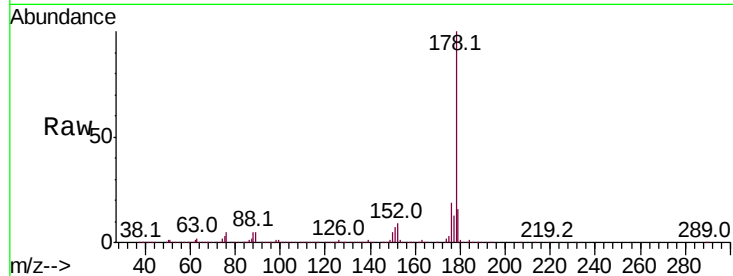
BNA_G

ClientSampled :

CB5N6

Tot Ion:178 Resp: 610677

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.8	19.2
176	19.5	15.4	23.2

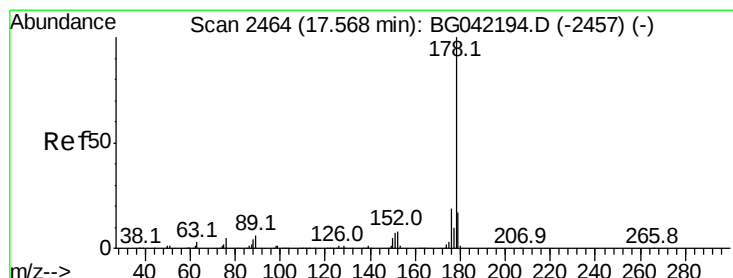
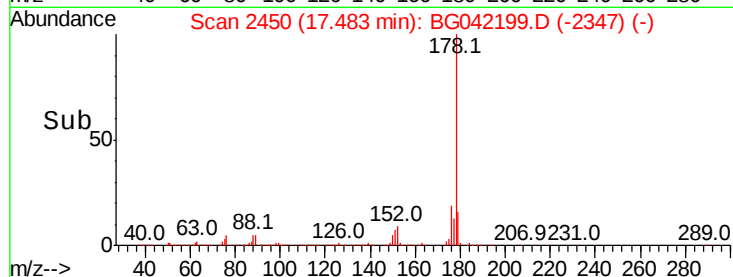
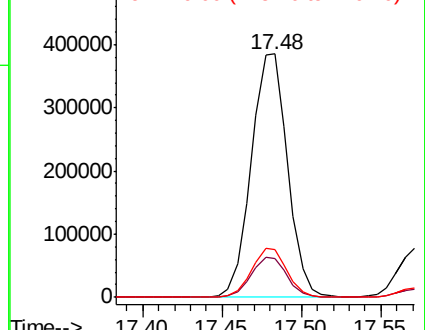


Abundance

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: 4.082 ng/ul

RT: 17.57 min Scan# 2465

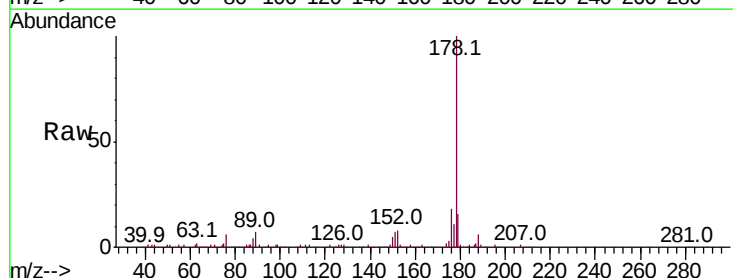
Delta R.T. -0.00 min

Lab File: BG042199.D

Acq: 14 Aug 2019 7:24

Tgt Ion:178 Resp: 112361

Ion	Ratio	Lower	Upper
178	100		
179	15.9	13.4	20.0
176	18.0	15.4	23.2

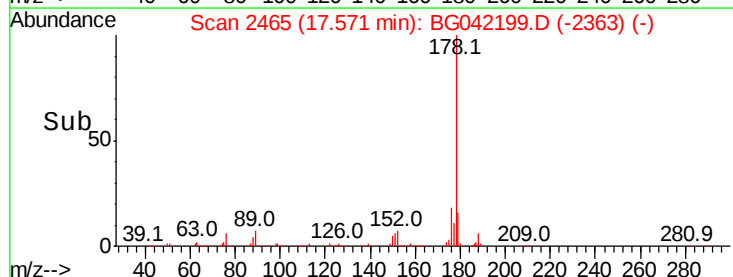
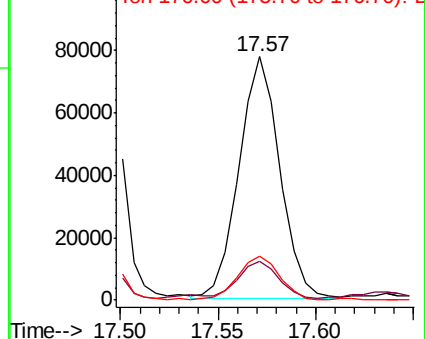


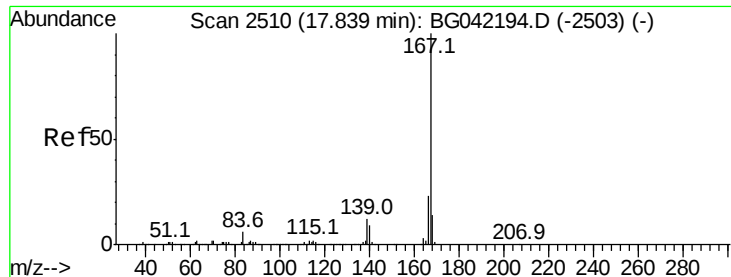
Abundance

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





#74

Carbazole

Concen: 2.479 ng/ul

RT: 17.84 min Scan# 2511

Delta R.T. 0.00 min

Lab File: BG042199.D

Acq: 14 Aug 2019 7:24

Instrument :

BNA_G

ClientSampleId :

CB5N6

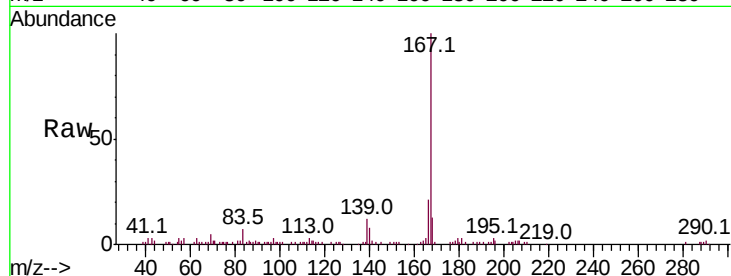
Tot Ion:167 Resp: 56511

Ion Ratio Lower Upper

167 100

166 20.9 18.2 27.4

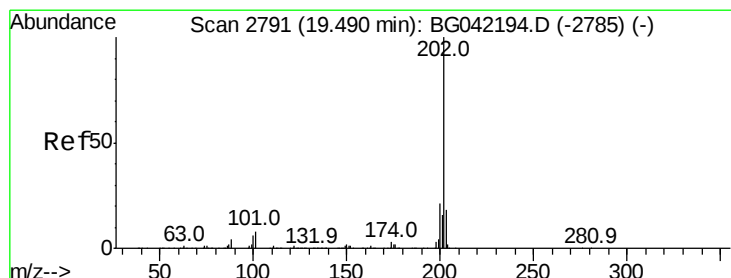
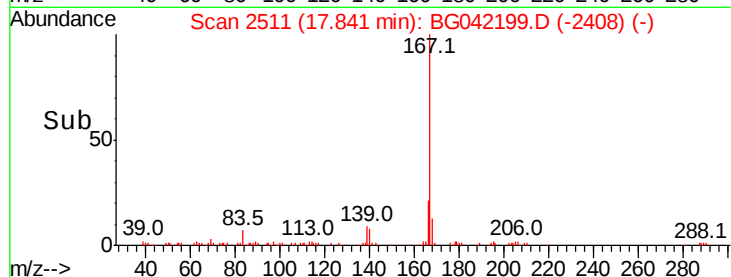
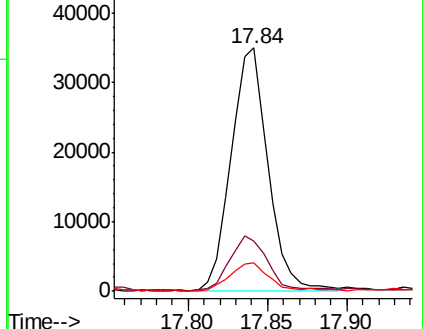
139 11.8 9.6 14.4



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: 31.358 ng/ul

RT: 19.49 min Scan# 2792

Delta R.T. 0.00 min

Lab File: BG042199.D

Acq: 14 Aug 2019 7:24

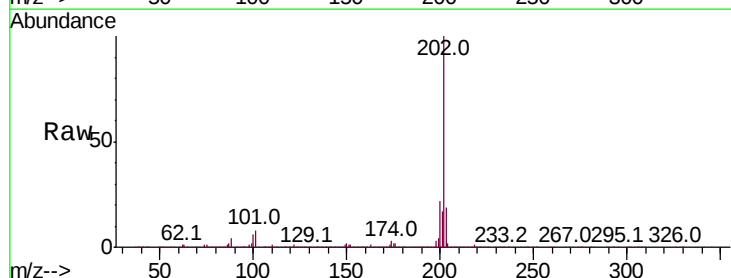
Tgt Ion:202 Resp: 983232

Ion Ratio Lower Upper

202 100

101 8.0 6.7 10.1

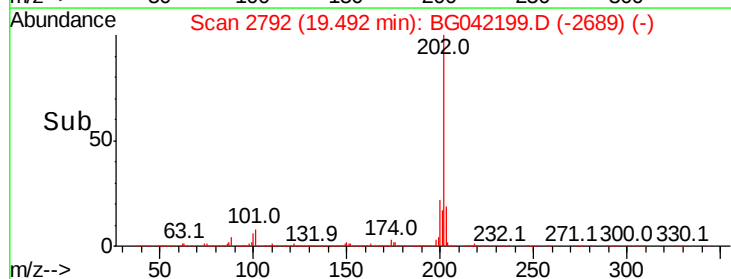
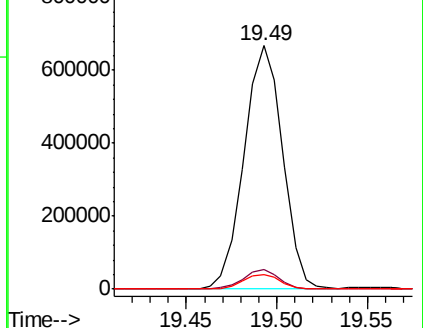
100 6.0 5.3 7.9

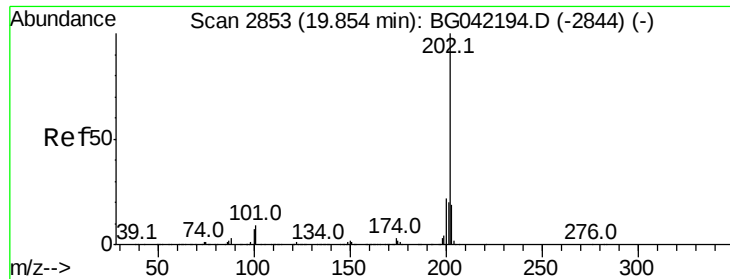


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#79

Pvrene

Concen: 25.726 ng/ul

RT: 19.86 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BG042199.D

Acq: 14 Aug 2019 7:24

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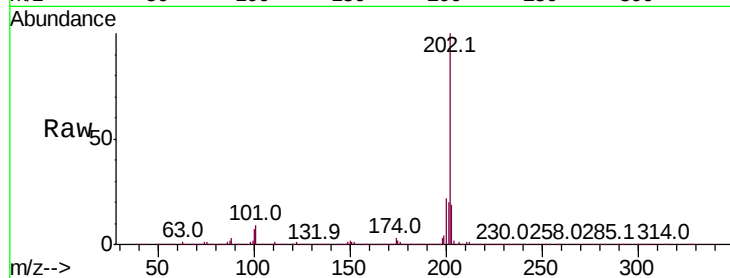
Tot Ion:202 Resp: 836460

Ion Ratio Lower Upper

202 100

101 8.6 7.6 11.4

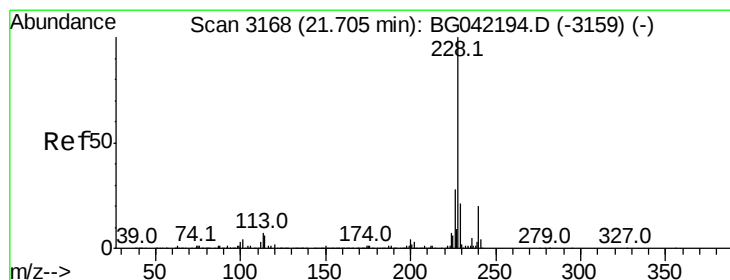
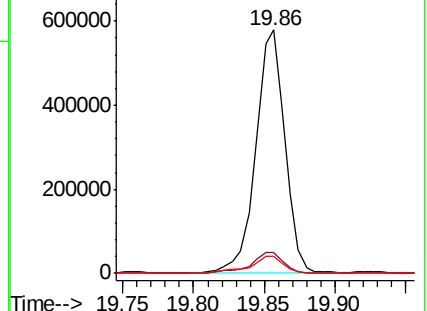
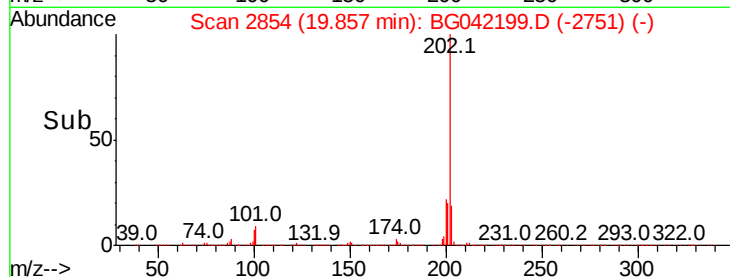
100 7.1 6.5 9.7



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: 15.327 ng/ul

RT: 21.70 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BG042199.D

Acq: 14 Aug 2019 7:24

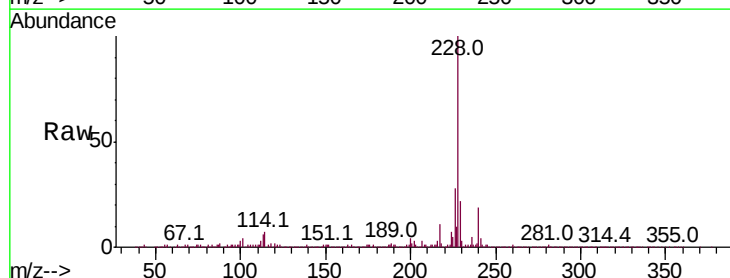
Tgt Ion:228 Resp: 513665

Ion Ratio Lower Upper

228 100

229 21.6 17.0 25.6

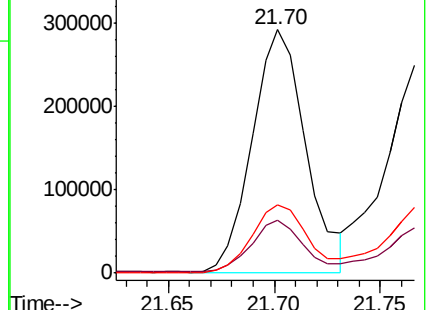
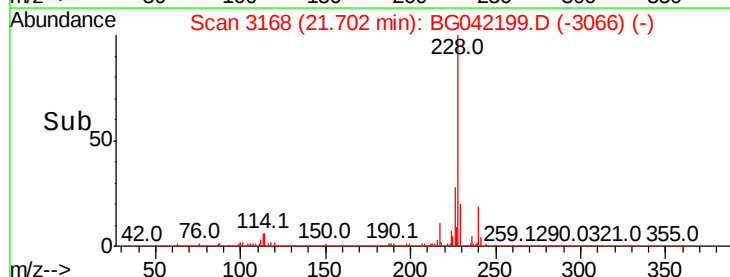
226 28.0 23.3 34.9

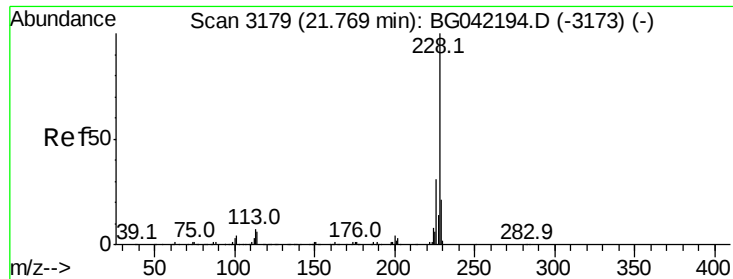


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 15.358 ng/ul

RT: 21.77 min Scan# 3179

Delta R.T. -0.00 min

Lab File: BG042199.D

Acq: 14 Aug 2019 7:24

Instrument :

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ClientSampleId :

CB5N6

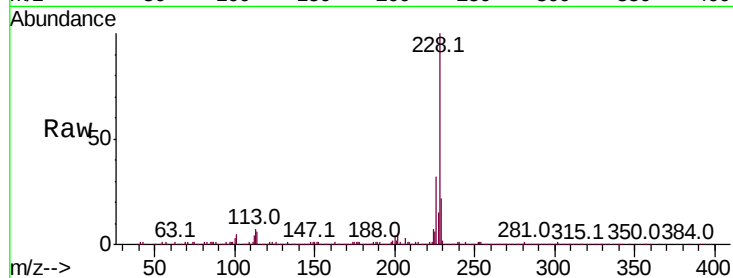
Tot Ion:228 Resp: 480398

Ion Ratio Lower Upper

228 100

226 31.8 25.7 38.5

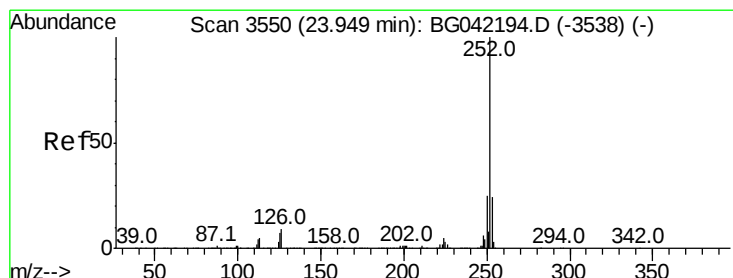
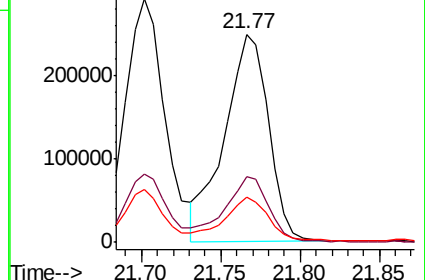
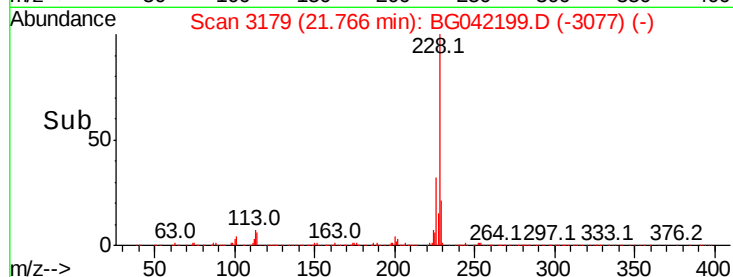
229 21.5 16.6 24.8



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: 18.635 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. 0.01 min

Lab File: BG042199.D

Acq: 14 Aug 2019 7:24

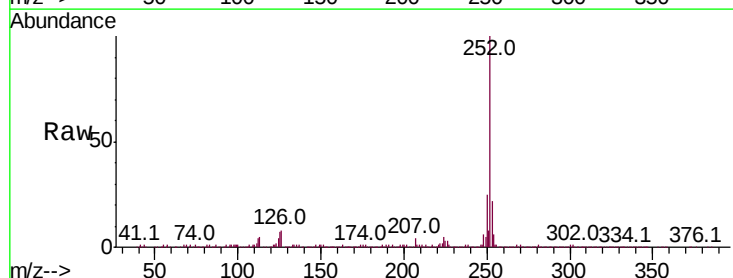
Tgt Ion:252 Resp: 682852

Ion Ratio Lower Upper

252 100

253 22.4 18.4 27.6

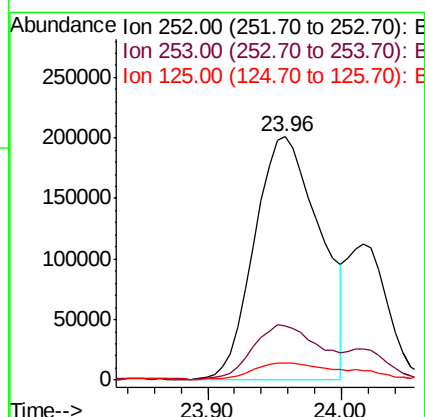
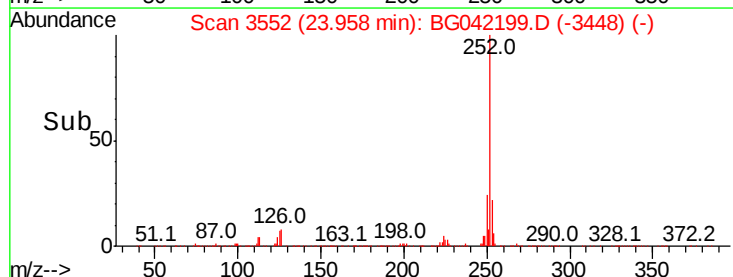
125 7.2 5.8 8.8

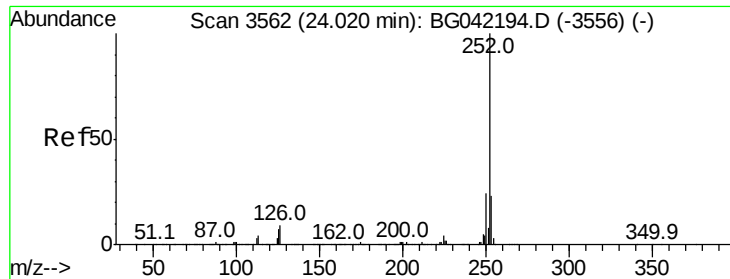


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 19.382 ng/ul

RT: 23.96 min Scan# 3552

Delta R.T. -0.06 min

Lab File: BG042199.D

Acq: 14 Aug 2019 7:24

Instrument :

BNA_G

ClientSampleId :

CB5N6

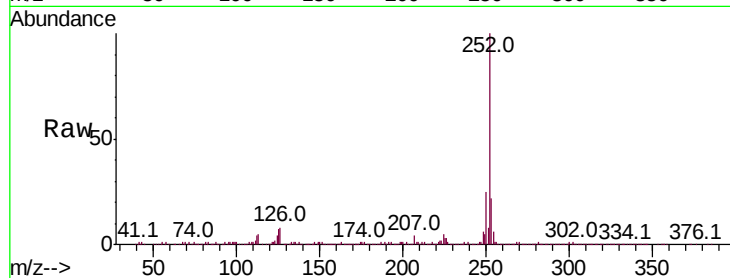
Tot Ion:252 Resp: 682852

Ion Ratio Lower Upper

252 100

253 22.4 18.3 27.5

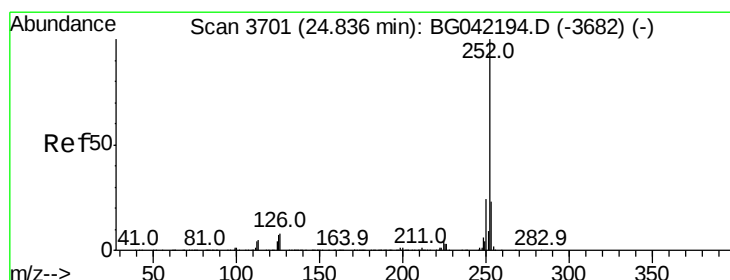
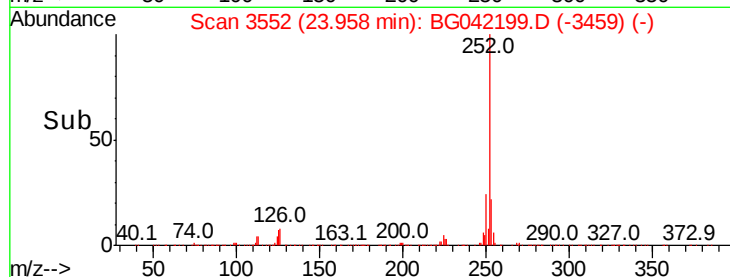
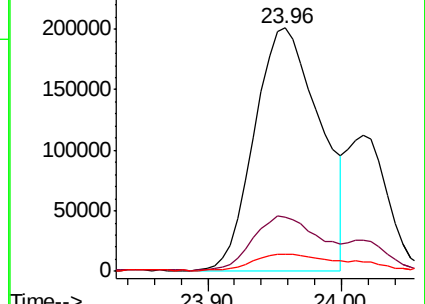
125 7.2 5.5 8.3



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: 13.313 ng/ul

RT: 24.84 min Scan# 3702

Delta R.T. 0.00 min

Lab File: BG042199.D

Acq: 14 Aug 2019 7:24

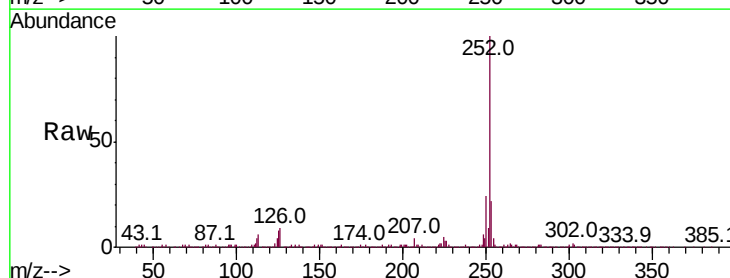
Tgt Ion:252 Resp: 464864

Ion Ratio Lower Upper

252 100

253 21.8 18.3 27.5

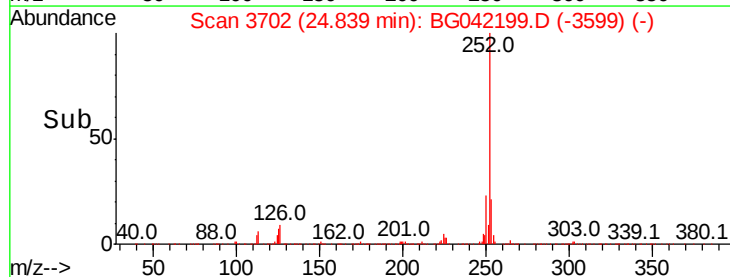
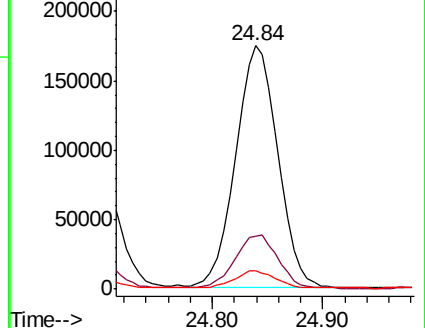
125 7.8 6.5 9.7

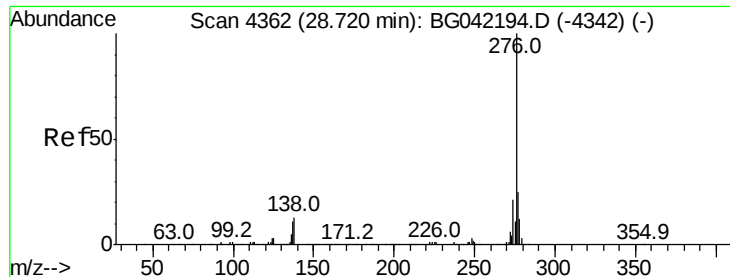


Abundance Ion 252.00 (251.70 to 252.70): E

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: 7.328 ng/ul

RT: 28.73 min Scan# 4364

Delta R.T. 0.02 min

Lab File: BG042199.D

Acq: 14 Aug 2019 7:24

Instrument :

BNA_G

ClientSampleId :

CB5N6

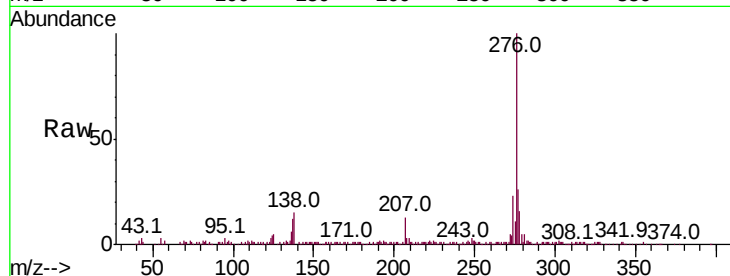
Tot Ion:276 Resp: 298431

Ion Ratio Lower Upper

276 100

138 15.2 12.0 18.0

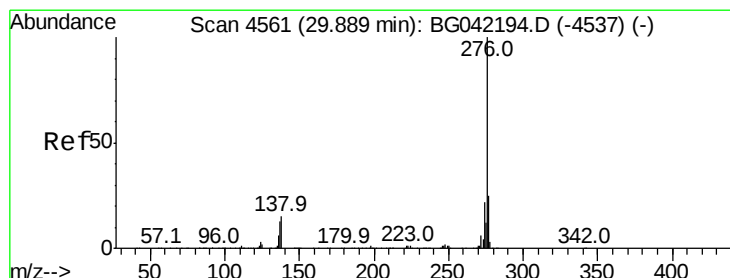
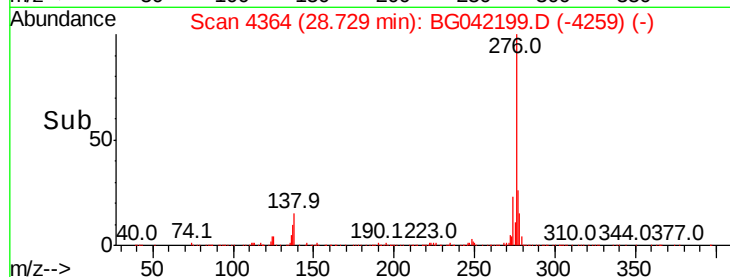
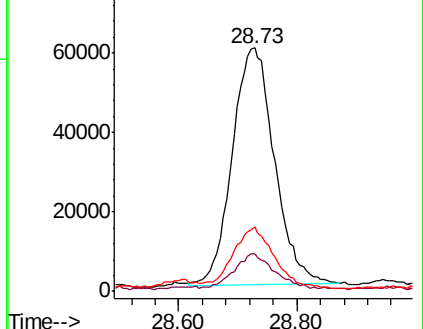
277 26.3 19.2 28.8



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(g,h,i)perylene

Concen: 6.826 ng/ul

RT: 29.89 min Scan# 4561

Delta R.T. 0.01 min

Lab File: BG042199.D

Acq: 14 Aug 2019 7:24

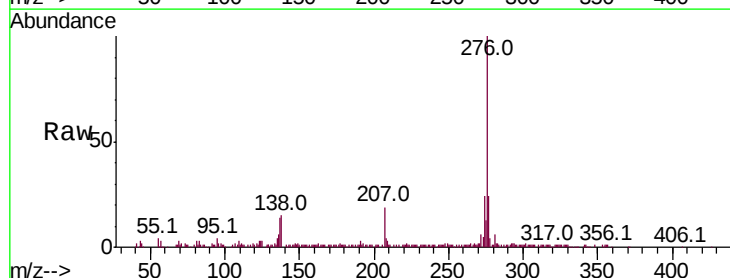
Tgt Ion:276 Resp: 232116

Ion Ratio Lower Upper

276 100

138 14.7 12.6 18.8

277 23.9 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

