

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072715\
 Data File : BG018135.D
 Acq On : 28 Jul 2015 4:22
 Operator : TP/UM
 Sample : G3000-12RX
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C02B8

Quant Time: Jul 28 05:03:58 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jul 28 02:39:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	36201	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	170453	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.18	164	105019	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.94	188	220996	20.00	ng/ul	0.00
78) Chrysene-d12	21.14	240	235832	20.00	ng/ul	0.00
86) Perylene-d12	23.33	264	249790	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	2641	4.56	ng/uL	0.00
5) Phenol-d5	6.69	99	64180	22.98	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.85	67	31508	22.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.04	132	60426	24.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.22	113	52215	21.08	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	32382	24.03	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	34968	24.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.91	165	61385	24.79	ng/ul	0.00
29) 4-Chloroaniline-d4	10.43	131	57568	19.98	ng/ul	0.00
44) Dimethylphthalate-d6	13.60	166	186243	25.26	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	225258	24.86	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	24675	15.91	ng/ul	0.00
58) Fluorene-d10	15.18	176	166337	24.41	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	21358	15.12	ng/ul	0.00
71) Anthracene-d10	17.03	188	230579	24.09	ng/ul	0.00
79) Pyrene-d10	19.34	212	240257	22.24	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.19	264	243153	20.40	ng/ul	0.00

Target Compounds

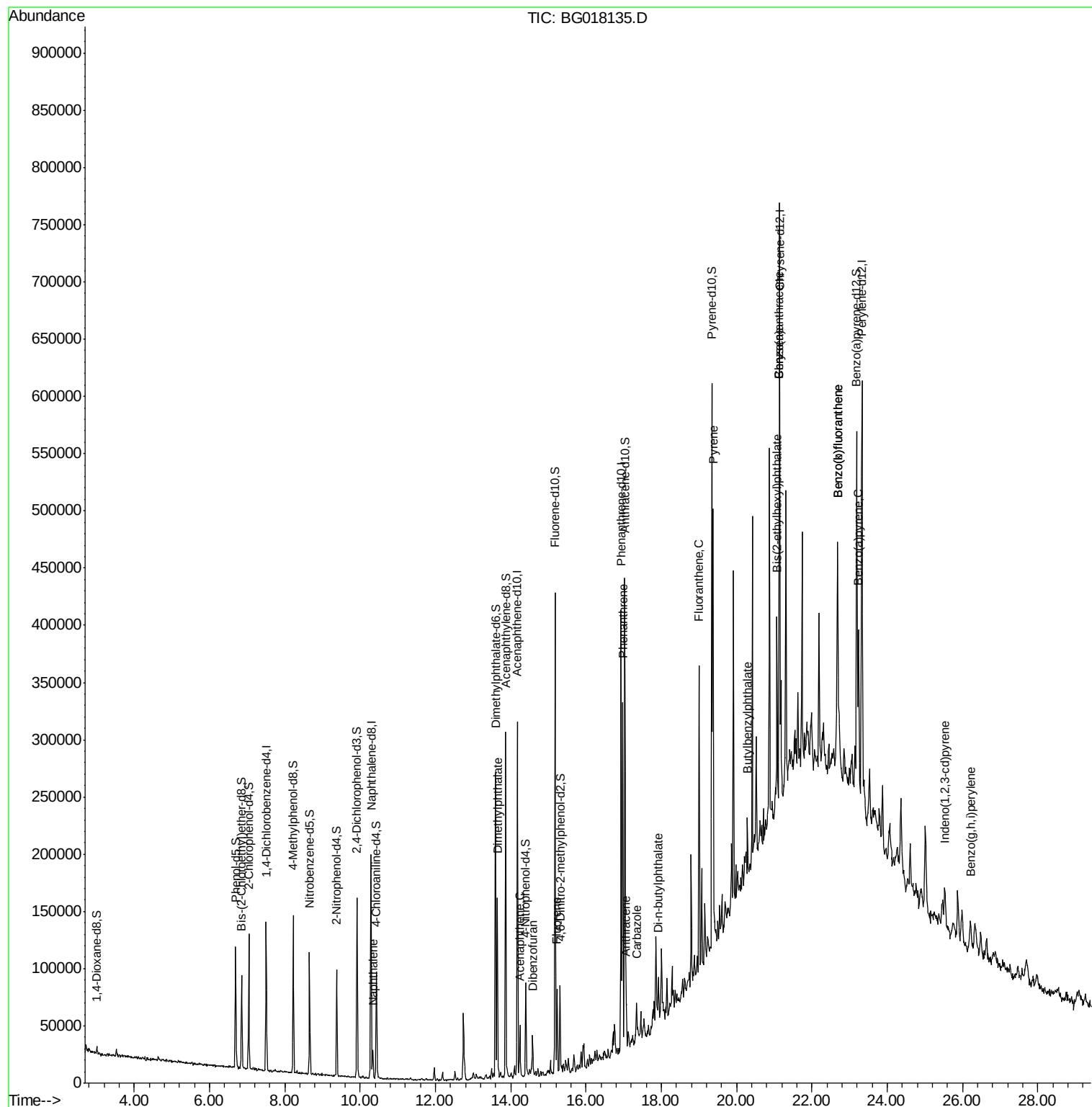
						Qvalue
28) Naphthalene	10.34	128	20353	2.55	ng/ul	98
45) Dimethylphthalate	13.65	163	104155	14.04	ng/ul	98
50) Acenaphthene	14.24	153	18475	2.97	ng/ul	98
54) Dibenzofuran	14.58	168	21609	2.44	ng/ul	98
59) Fluorene	15.23	166	30893	4.05	ng/ul	98
70) Phenanthrene	16.98	178	179699	16.18	ng/ul	97
72) Anthracene	17.06	178	25263	2.24	ng/ul	100
75) Carbazole	17.34	167	13220	1.35	ng/ul#	92
76) Di-n-butylphthalate	17.92	149	24320	1.89	ng/ul#	91
77) Fluoranthene	19.00	202	151520	12.81	ng/ul	95
80) Pyrene	19.37	202	125586	9.30	ng/ul	99
81) Butylbenzylphthalate	20.29	149	14869	2.69	ng/ul	98
83) Benzo(a)anthracene	21.12	228	47676	3.82	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.07	149	64619	8.16	ng/ul	98
85) Chrysene	21.12	228	48696	4.15	ng/ul	99
88) Benzo(b)fluoranthene	22.68	252	77420	5.66	ng/ul#	84
89) Benzo(k)fluoranthene	22.68	252	77420	5.85	ng/ul#	83
91) Benzo(a)pyrene	23.23	252	45450	3.43	ng/ul#	91
92) Indeno(1,2,3-cd)pyrene	25.54	276	33888	2.22	ng/ul	95
94) Benzo(g,h,i)perylene	26.21	276	31873	2.52	ng/ul	98

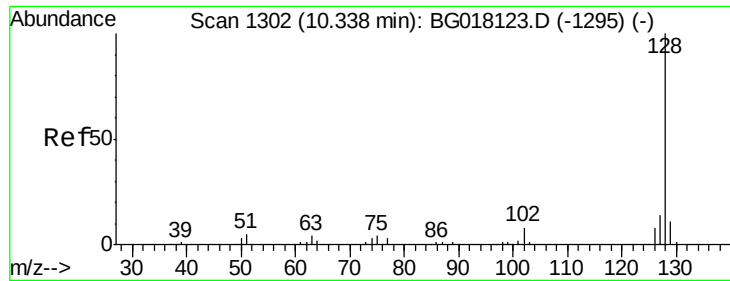
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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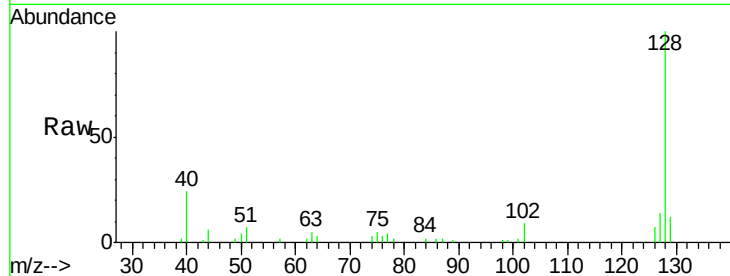




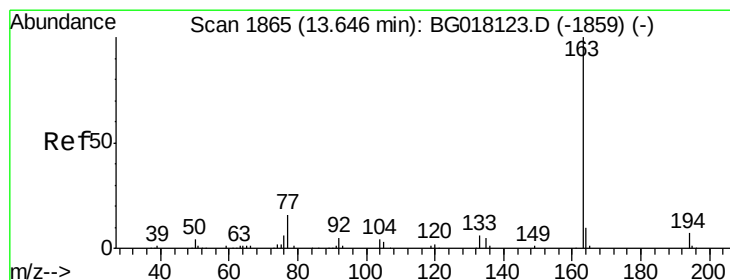
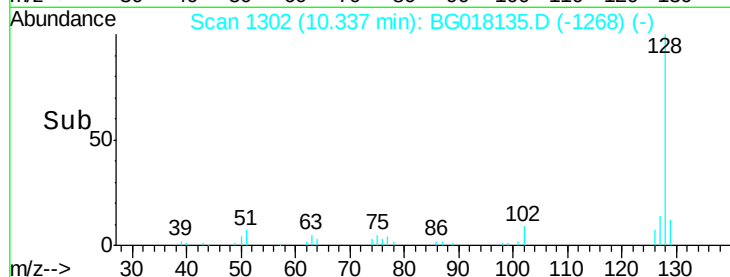
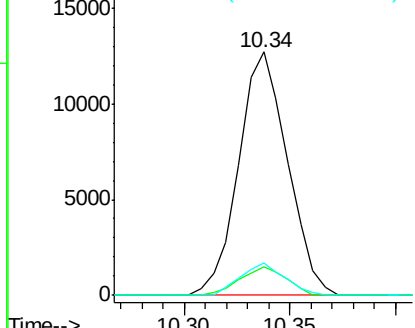
#28
Naphthalene
Concen: 2.55 ng/ul
RT: 10.34 min Scan# 1302
Delta R.T. -0.00 min
Lab File: BG018135.D
Acq: 28 Jul 2015 4:22

Instrument :
BNA_G
ClientSampleId :
C02B8

Tgt Ion:128 Resp: 20353
Ion Ratio Lower Upper
128 100
129 11.6 9.5 14.3
127 13.5 10.1 15.1

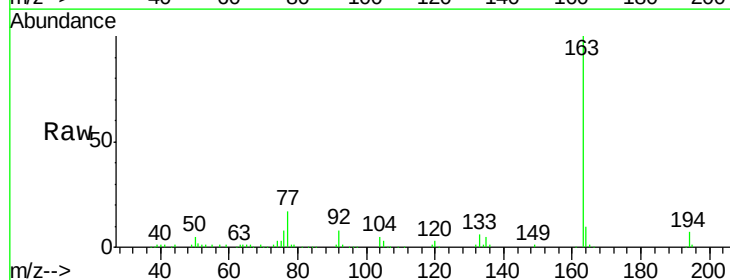


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

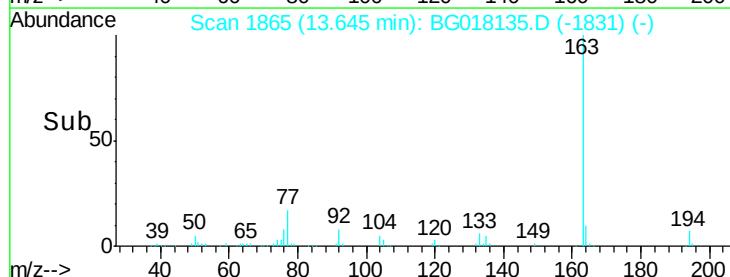
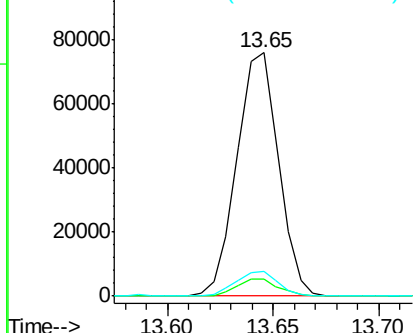


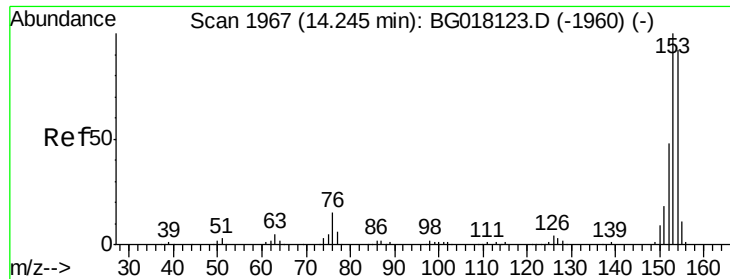
#45
Dimethylphthalate
Concen: 14.04 ng/ul
RT: 13.65 min Scan# 1865
Delta R.T. -0.00 min
Lab File: BG018135.D
Acq: 28 Jul 2015 4:22

Tgt Ion:163 Resp: 104155
Ion Ratio Lower Upper
163 100
194 7.1 5.4 8.2
164 10.0 8.7 13.1



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





#50

Acenaphthene

Concen: 2.97 ng/ul

RT: 14.24 min Scan# 1966

Delta R.T. -0.01 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

Instrument :

BNA_G

ClientSampleId :

C02B8

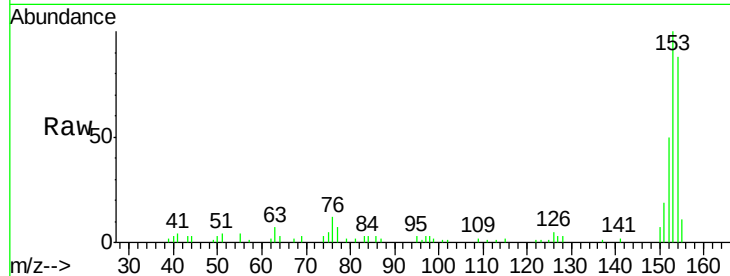
Tgt Ion:153 Resp: 18475

Ion Ratio Lower Upper

153 100

152 50.1 38.9 58.3

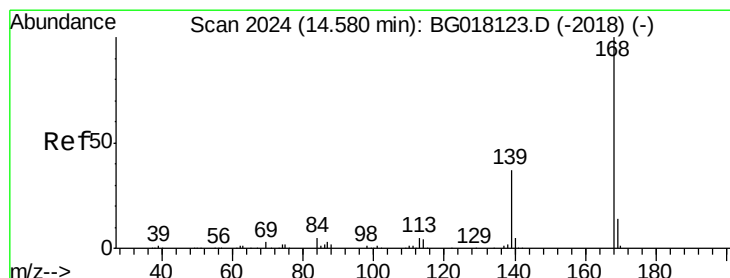
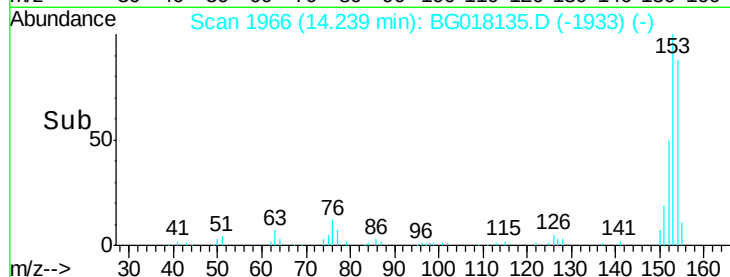
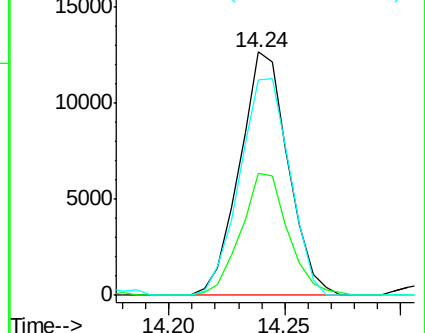
154 88.4 72.6 108.8



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



#54

Dibenzofuran

Concen: 2.44 ng/ul

RT: 14.58 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BG018135.D

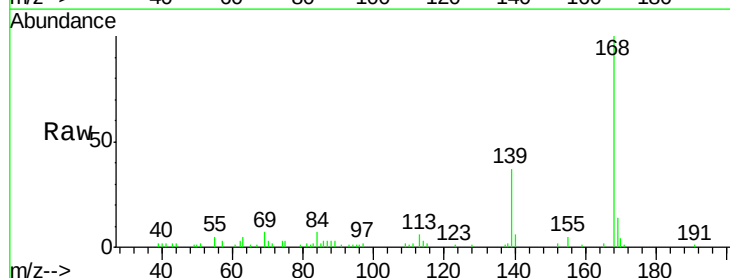
Acq: 28 Jul 2015 4:22

Tgt Ion:168 Resp: 21609

Ion Ratio Lower Upper

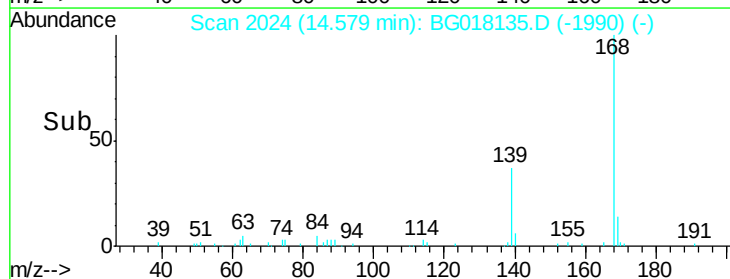
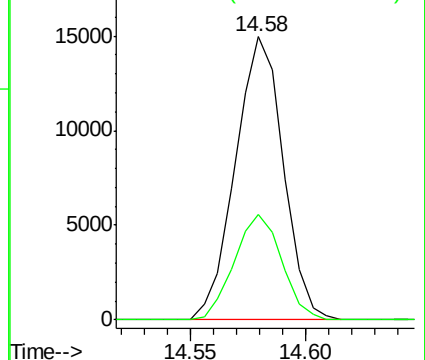
168 100

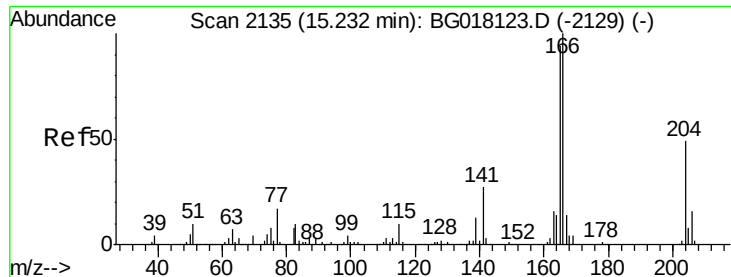
139 37.4 30.6 46.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 4.05 ng/ul

RT: 15.23 min Scan# 2135

Delta R.T. -0.00 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

Instrument :

BNA_G

ClientSampleId :

C02B8

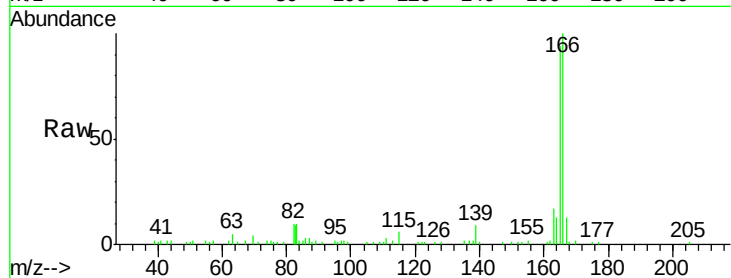
Tgt Ion:166 Resp: 30893

Ion Ratio Lower Upper

166 100

165 94.3 73.6 110.4

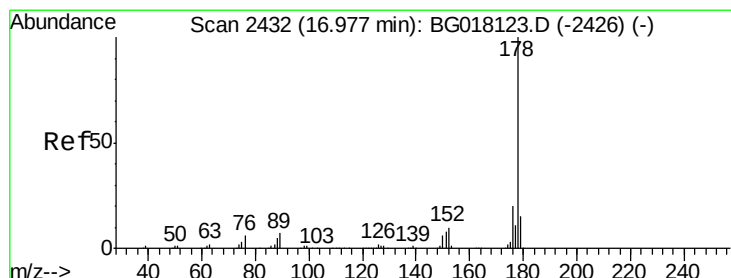
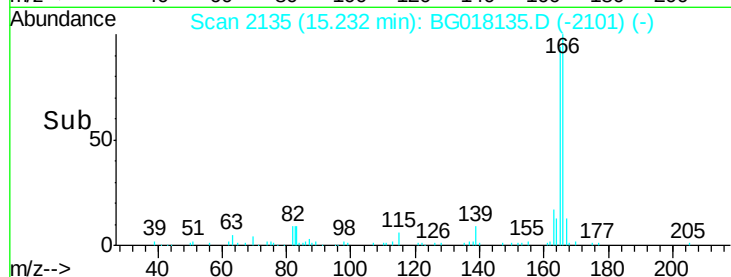
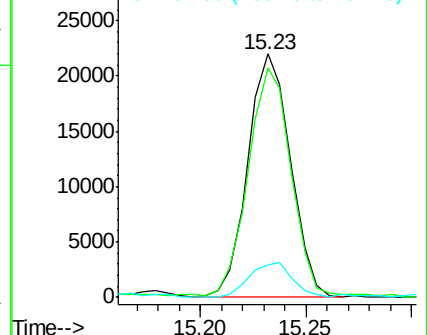
167 13.2 10.8 16.2



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



#70

Phenanthrene

Concen: 16.18 ng/ul

RT: 16.98 min Scan# 2432

Delta R.T. -0.00 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

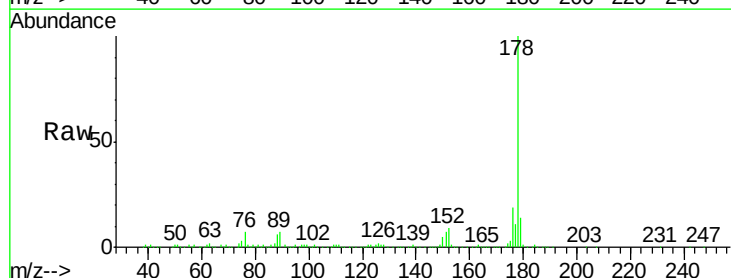
Tgt Ion:178 Resp: 179699

Ion Ratio Lower Upper

178 100

179 14.4 13.0 19.6

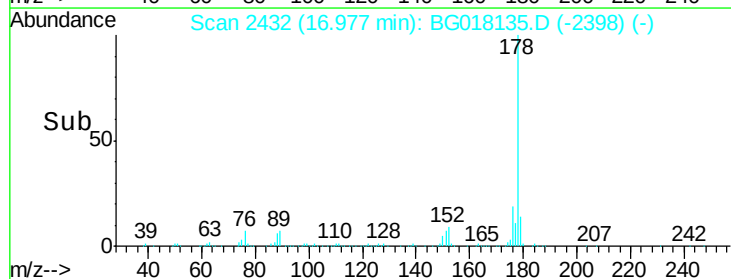
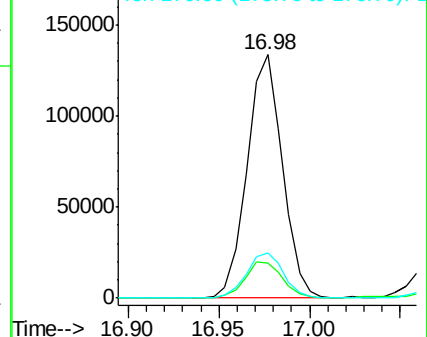
176 18.7 15.8 23.8

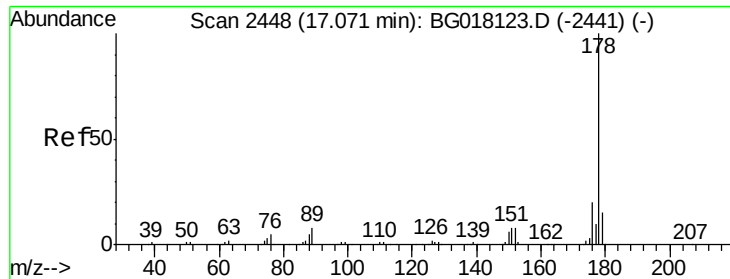


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.24 ng/ul

RT: 17.06 min Scan# 2447

Delta R.T. -0.01 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

Instrument :

BNA_G

ClientSampleId :

C02B8

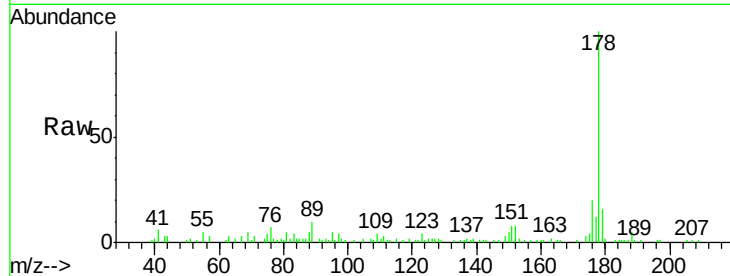
Tgt Ion:178 Resp: 25263

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

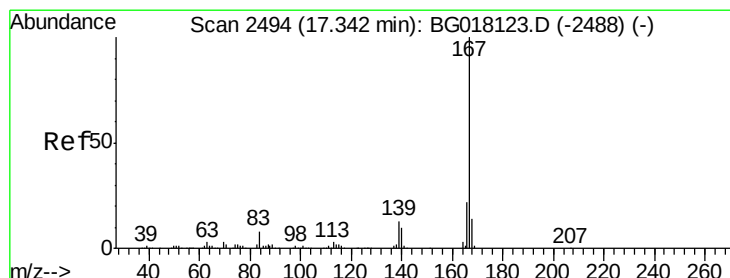
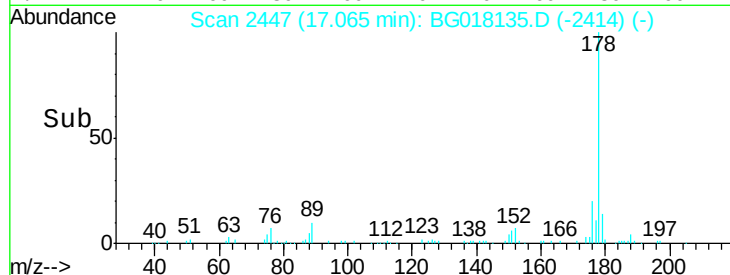
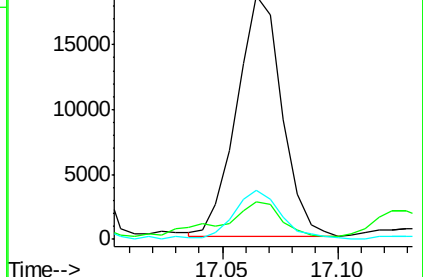
176 20.0 15.8 23.8



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



#75

Carbazole

Concen: 1.35 ng/ul

RT: 17.34 min Scan# 2494

Delta R.T. -0.00 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

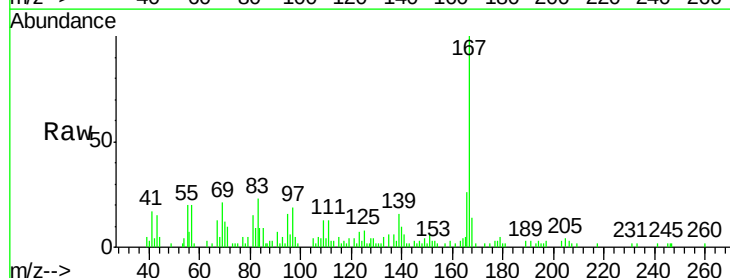
Tgt Ion:167 Resp: 13220

Ion Ratio Lower Upper

167 100

166 25.8 17.4 26.2

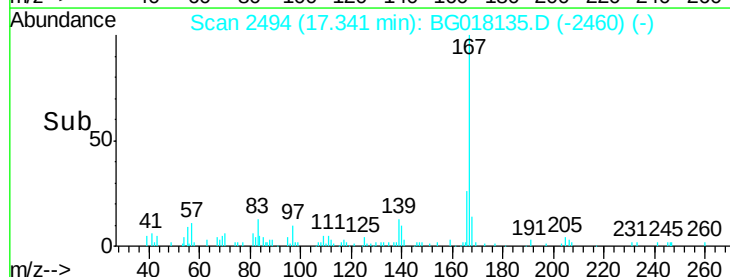
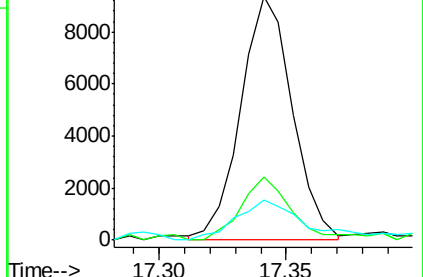
139 16.3 10.6 15.8#

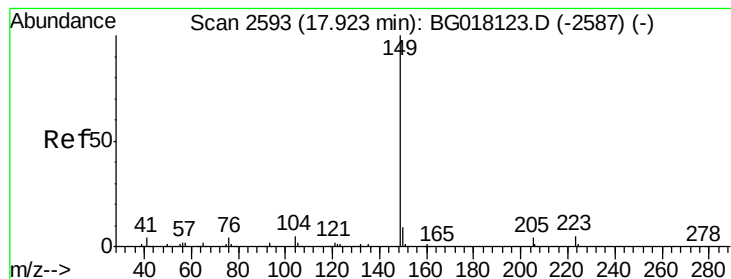


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#76

Di-n-butylphthalate

Concen: 1.89 ng/ul

RT: 17.92 min Scan# 2593

Delta R.T. -0.00 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

Instrument :

BNA_G

ClientSampled :

C02B8

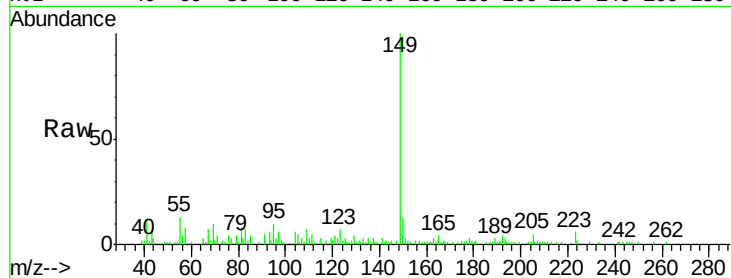
Tgt Ion:149 Resp: 24320

Ion Ratio Lower Upper

149 100

150 13.4 7.4 11.0#

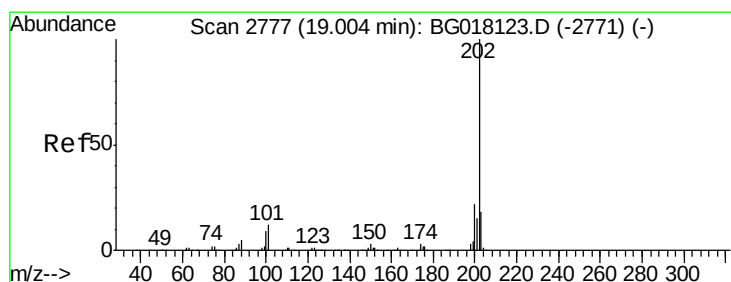
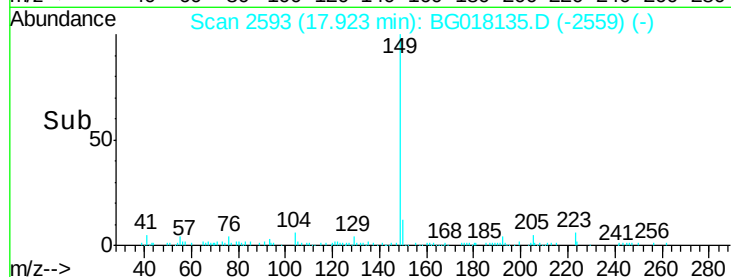
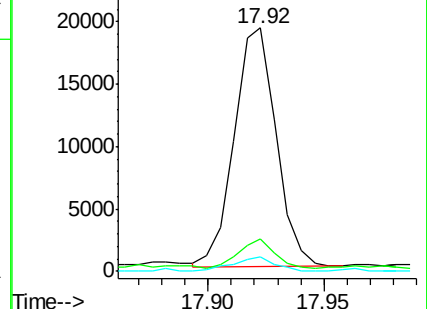
104 5.8 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#77

Fluoranthene

Concen: 12.81 ng/ul

RT: 19.00 min Scan# 2777

Delta R.T. -0.00 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

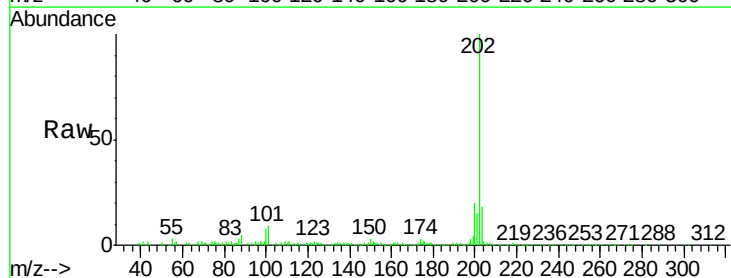
Tgt Ion:202 Resp: 151520

Ion Ratio Lower Upper

202 100

101 9.4 9.1 13.7

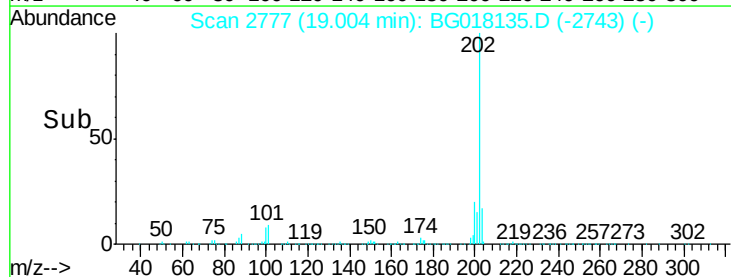
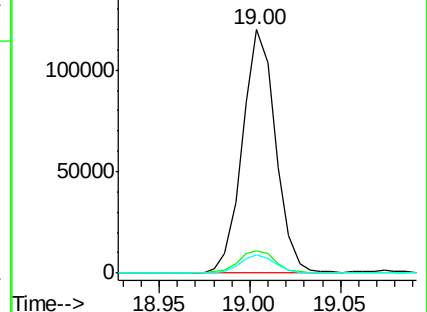
100 7.7 7.5 11.3

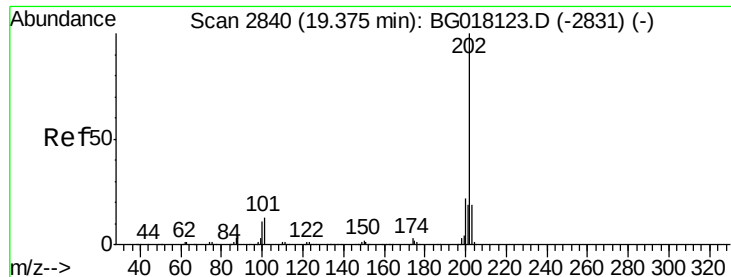


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80

Pyrene

Concen: 9.30 ng/ul

RT: 19.37 min Scan# 2839

Delta R.T. -0.01 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

Instrument :

BNA_G

ClientSampleId :

C02B8

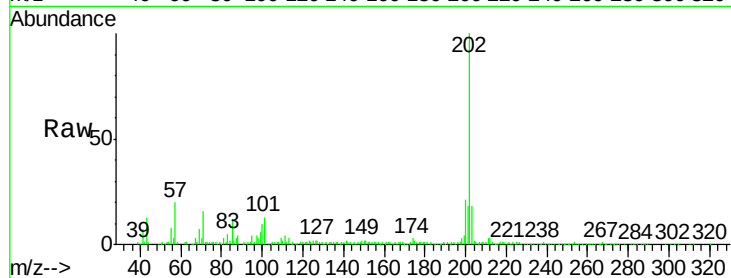
Tgt Ion:202 Resp: 125586

Ion Ratio Lower Upper

202 100

101 13.4 10.9 16.3

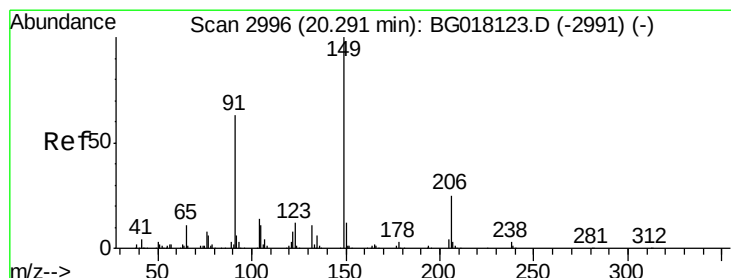
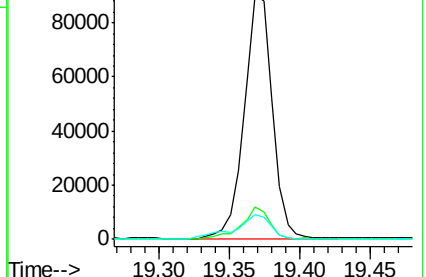
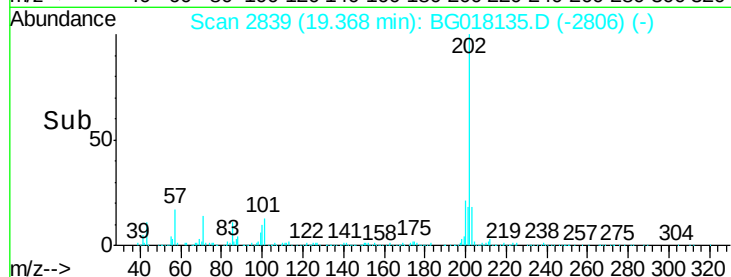
100 10.4 8.5 12.7



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



#81

Butylbenzylphthalate

Concen: 2.69 ng/ul

RT: 20.29 min Scan# 2996

Delta R.T. -0.00 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

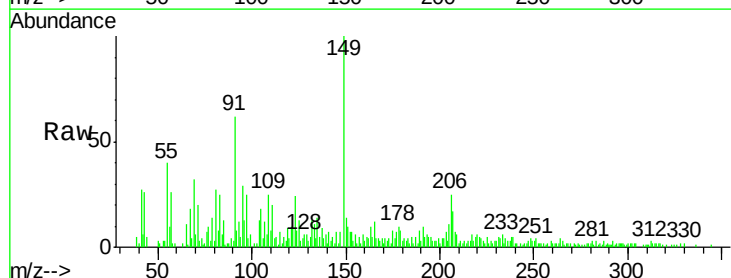
Tgt Ion:149 Resp: 14869

Ion Ratio Lower Upper

149 100

91 61.7 51.1 76.7

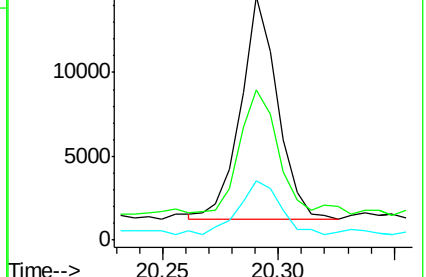
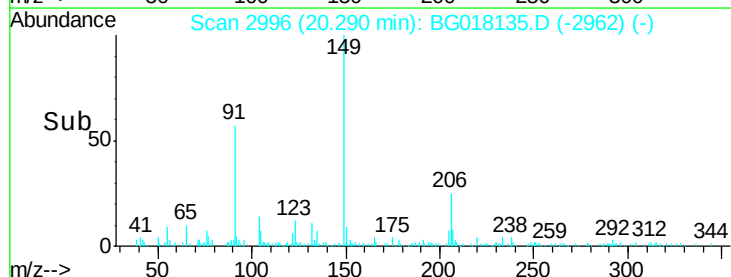
206 24.6 19.9 29.9

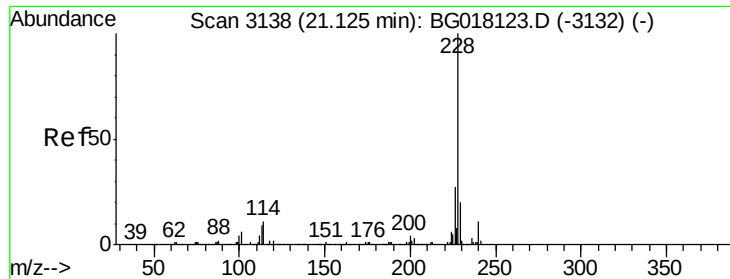


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): B

Ion 206.00 (205.70 to 206.70): E





#83

Benzo(a)anthracene

Concen: 3.82 ng/ul

RT: 21.12 min Scan# 3138

Delta R.T. -0.00 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

Instrument :

BNA_G

ClientSampleId :

C02B8

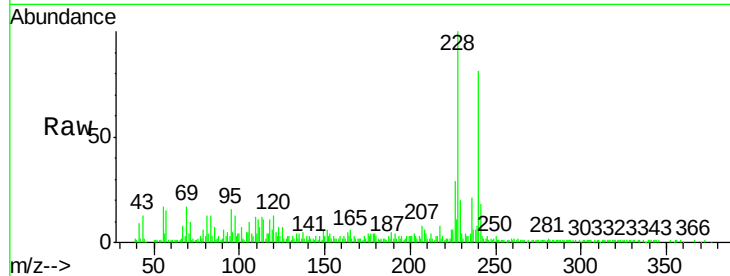
Tgt Ion:228 Resp: 47676

Ion Ratio Lower Upper

228 100

229 20.3 16.6 24.8

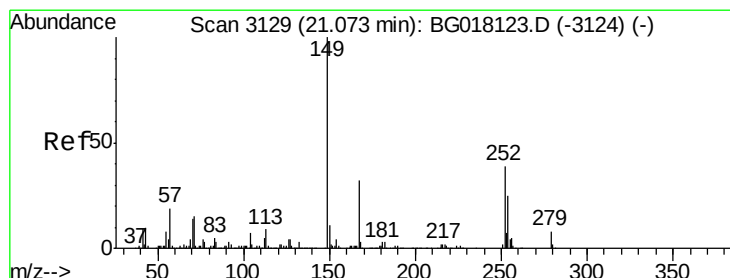
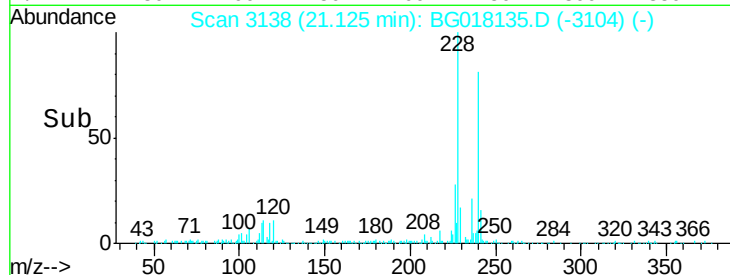
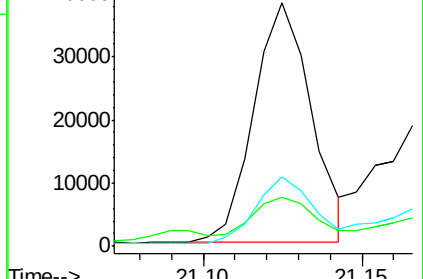
226 28.7 21.1 31.7



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

Bis(2-ethylhexyl)phthalate

Concen: 8.16 ng/ul

RT: 21.07 min Scan# 3129

Delta R.T. -0.00 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

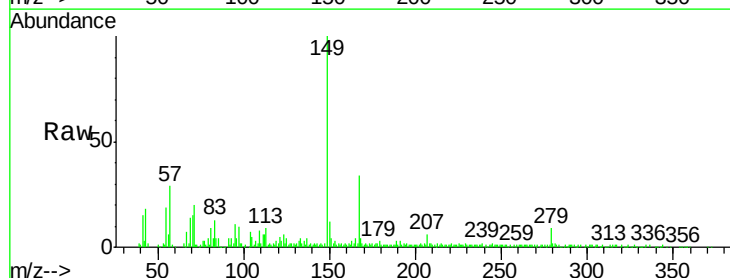
Tgt Ion:149 Resp: 64619

Ion Ratio Lower Upper

149 100

167 34.1 26.2 39.4

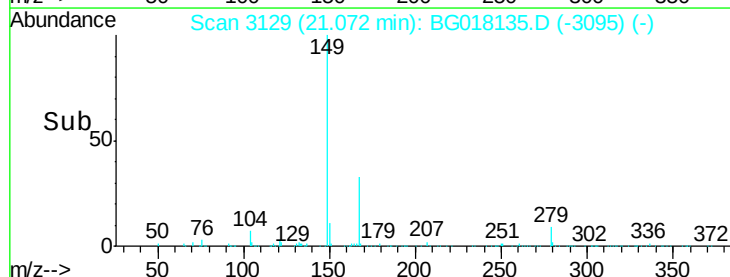
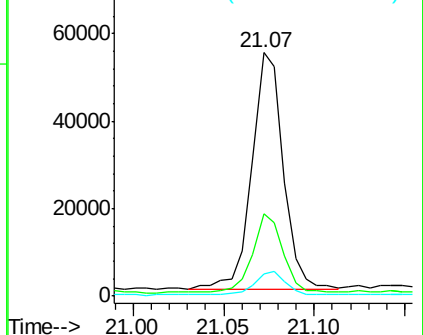
279 9.0 7.2 10.8

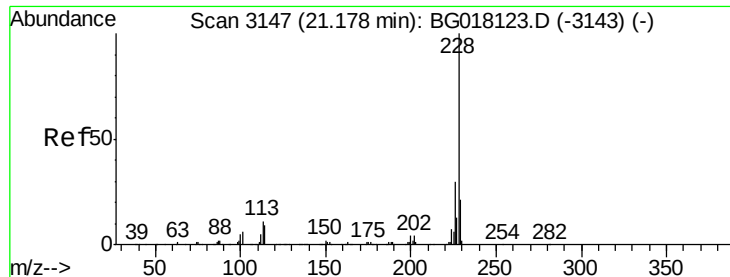


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Chrysene

Concen: 4.15 ng/ul

RT: 21.12 min Scan# 3138

Delta R.T. -0.05 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

Instrument :

BNA_G

ClientSampleId :

C02B8

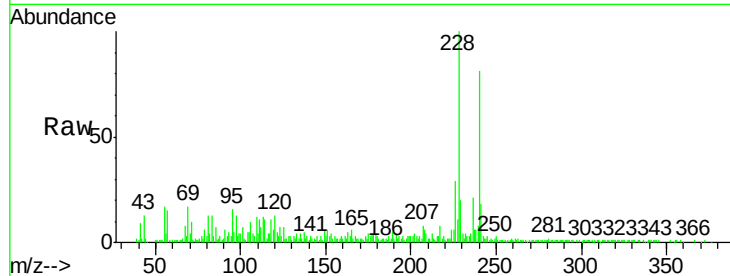
Tgt Ion:228 Resp: 48696

Ion Ratio Lower Upper

228 100

226 28.7 22.9 34.3

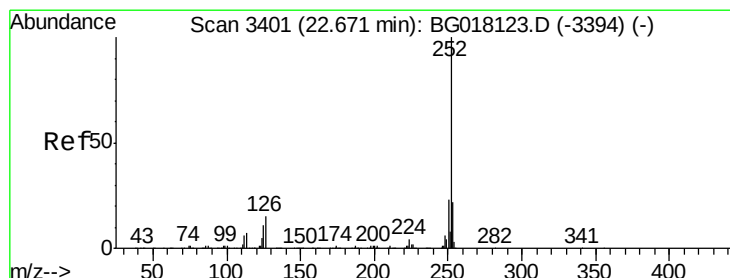
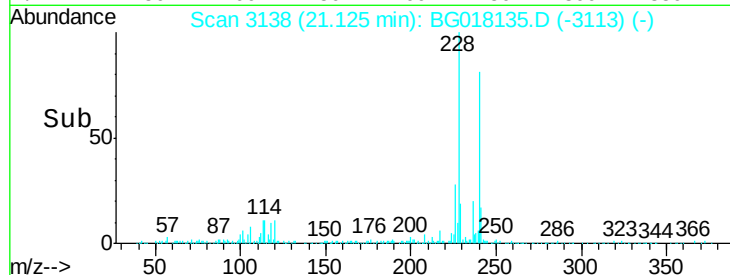
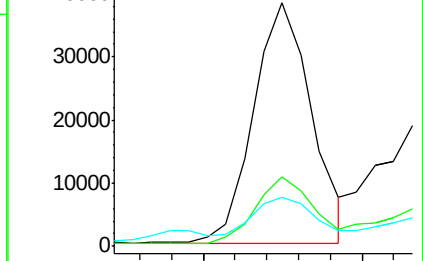
229 20.3 15.6 23.4



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



#88

Benzo(b)fluoranthene

Concen: 5.66 ng/ul

RT: 22.68 min Scan# 3402

Delta R.T. 0.01 min

Lab File: BG018135.D

Acq: 28 Jul 2015 4:22

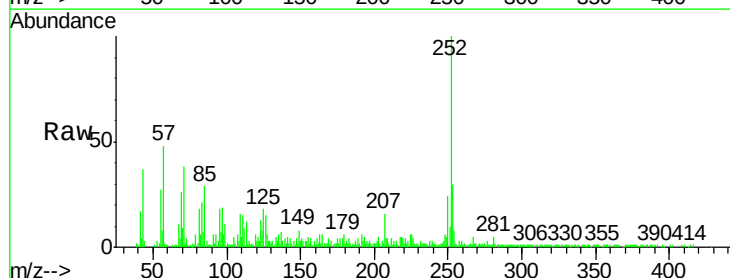
Tgt Ion:252 Resp: 77420

Ion Ratio Lower Upper

252 100

253 30.3 18.5 27.7#

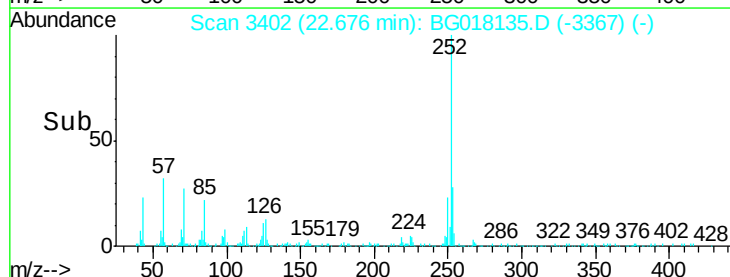
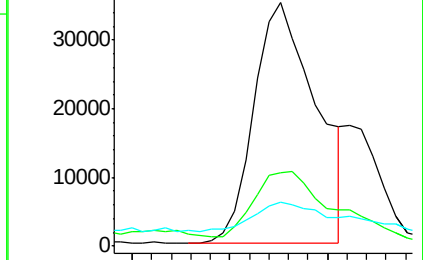
125 18.1 9.1 13.7#

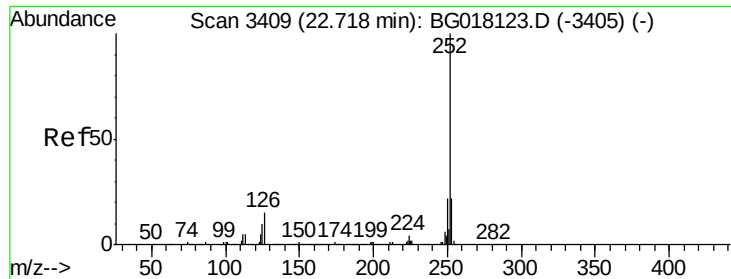


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

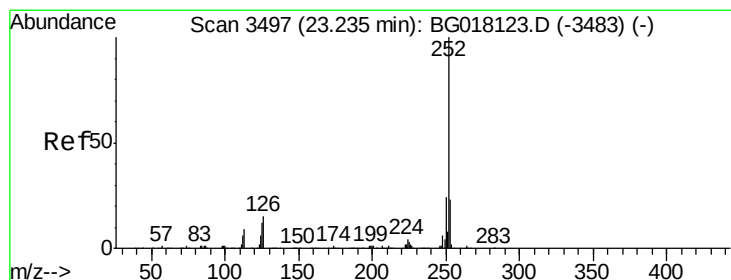
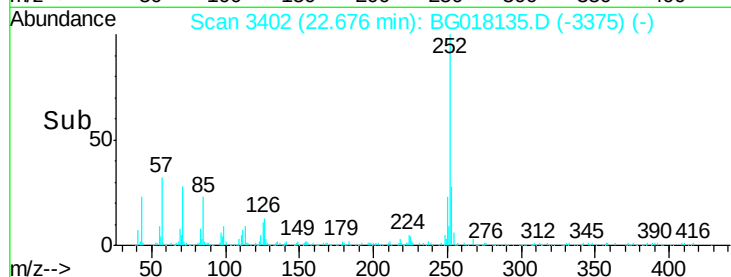
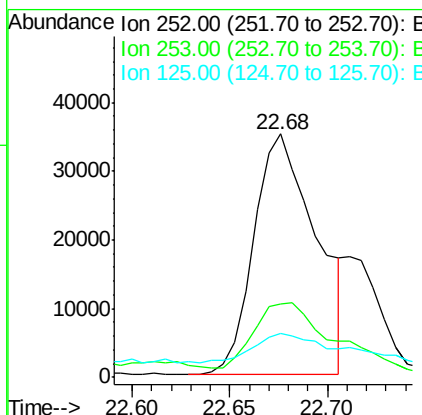
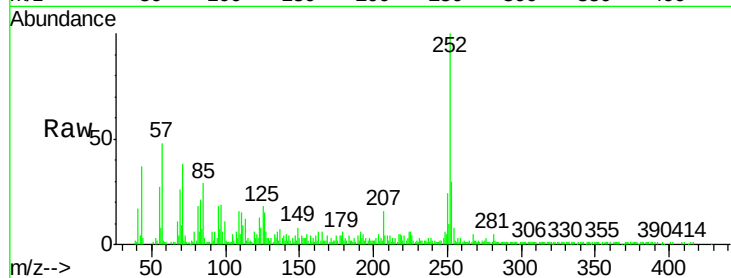




#89
Benzo(k)fluoranthene
Concen: 5.85 ng/ul
RT: 22.68 min Scan# 3402
Delta R.T. -0.04 min
Lab File: BG018135.D
Acq: 28 Jul 2015 4:22

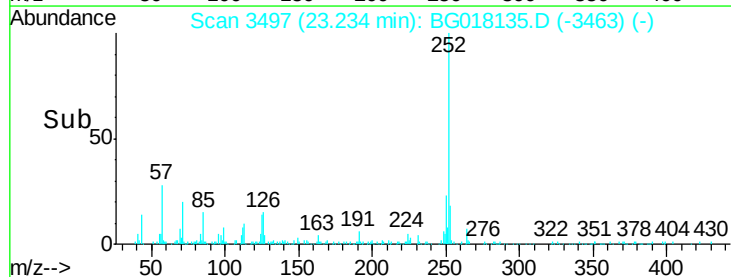
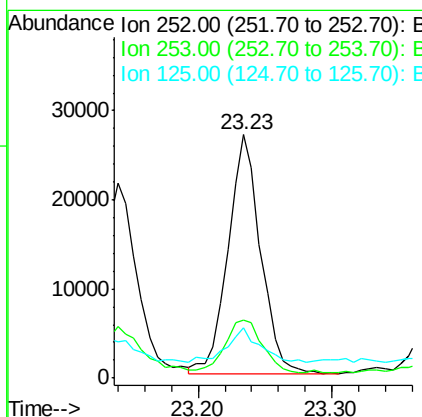
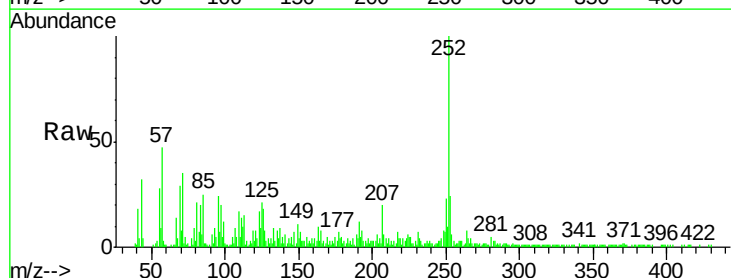
Instrument :
BNA_G
ClientSampleId :
C02B8

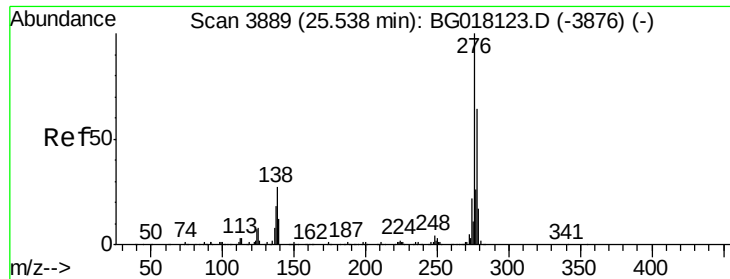
Tgt Ion:252 Resp: 77420
Ion Ratio Lower Upper
252 100
253 30.3 17.8 26.8#
125 18.1 9.3 13.9#



#91
Benzo(a)pyrene
Concen: 3.43 ng/ul
RT: 23.23 min Scan# 3497
Delta R.T. -0.00 min
Lab File: BG018135.D
Acq: 28 Jul 2015 4:22

Tgt Ion:252 Resp: 45450
Ion Ratio Lower Upper
252 100
253 23.8 18.0 27.0
125 20.8 10.2 15.2#

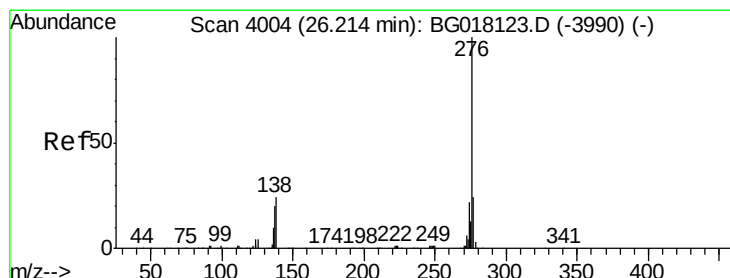
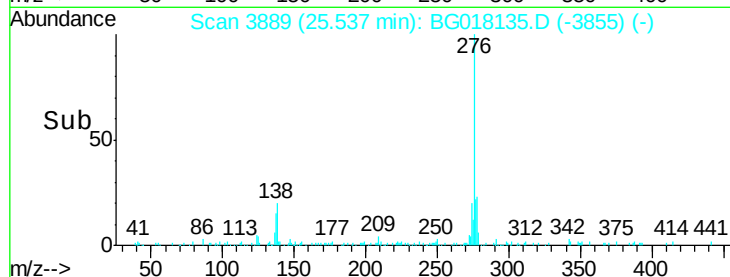
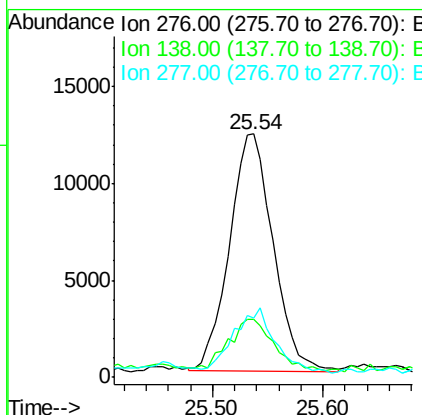
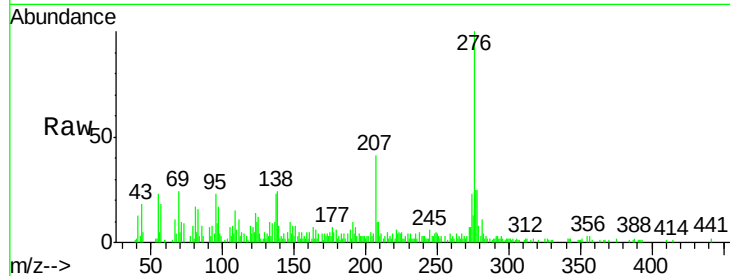




#92
 Indeno(1,2,3-cd)pyrene
 Concen: 2.22 ng/ul
 RT: 25.54 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: BG018135.D
 Acq: 28 Jul 2015 4:22

Instrument :
 BNA_G
 ClientSampleId :
 C02B8

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.6	22.6	33.8
277	24.5	19.8	29.8



#94
 Benzo(g,h,i)perylene
 Concen: 2.52 ng/ul
 RT: 26.21 min Scan# 4004
 Delta R.T. -0.00 min
 Lab File: BG018135.D
 Acq: 28 Jul 2015 4:22

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	18.8	28.2
277	24.7	19.3	28.9

