

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122215\
 Data File : BG020426.D
 Acq On : 23 Dec 2015 3:30
 Operator : UM/SJ
 Sample : G4849-07DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N71DL

Quant Time: Dec 23 08:08:07 2015
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 23 07:35:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	16205	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	73013	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	52804	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	126004	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	155659	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	154466	20.00	ng/ul	0.00

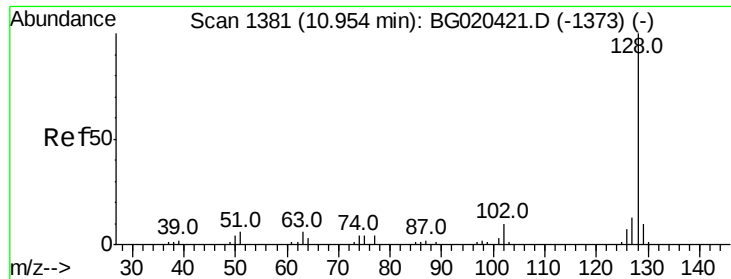
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	181	0.62	ng/uL	0.00
5) Phenol-d5	7.24	99	8766	6.13	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	5529	6.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	7425	7.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	7965	6.52	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	4028	7.08	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	4704	7.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	9116	7.11	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	11678	8.10	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	31486	7.37	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	36218	7.29	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	3168	4.14	ng/ul	0.00
58) Fluorene-d10	15.70	176	28191	7.28	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	2862	3.83	ng/ul	0.00
71) Anthracene-d10	17.56	188	45339	7.81	ng/ul	0.00
79) Pyrene-d10	19.84	212	52386	7.22	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	58601	7.61	ng/ul	0.00

Target Compounds

						Ovalue
28) Naphthalene	10.95	128	72269	18.95	ng/ul	99
34) 2-Methylnaphthalene	12.55	142	22482	7.72	ng/ul	99
41) 1,1'-Biphenyl	13.55	154	8476	2.13	ng/ul	93
45) Dimethylphthalate	14.16	163	7595	1.74	ng/ul#	97
50) Acenaphthene	14.78	153	39191	11.03	ng/ul	94
54) Dibenzofuran	15.11	168	40860	7.73	ng/ul	100
59) Fluorene	15.76	166	37899	8.93	ng/ul	99
70) Phenanthrene	17.51	178	177204	25.71	ng/ul	99
72) Anthracene	17.60	178	16617	2.38	ng/ul	100
75) Carbazole	17.87	167	10222	1.74	ng/ul#	96
77) Fluoranthene	19.51	202	103745	12.88	ng/ul	97
80) Pyrene	19.87	202	68930	7.32	ng/ul	97
83) Benzo(a)anthracene	21.72	228	16583	1.83	ng/ul	95
85) Chrysene	21.79	228	12214	1.43	ng/ul	98
88) Benzo(b)fluoranthene	23.97	252	9631	1.04	ng/ul#	92

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



#28

Naphthalene

Concen: 18.95 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. -0.00 min

Lab File: BG020426.D

Acq: 23 Dec 2015 3:30

Instrument :

BNA_G

ClientSampled :

D9N71DL

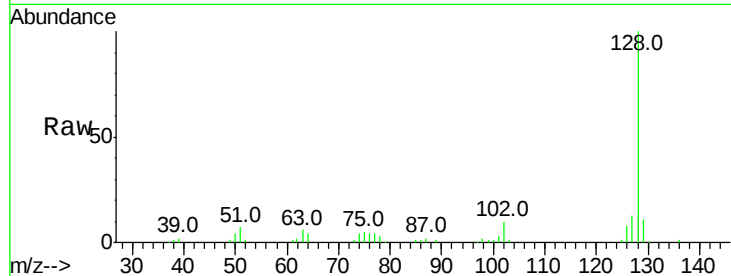
Tot Ion:128 Resp: 72269

Ion Ratio Lower Upper

128 100

129 10.5 8.6 12.8

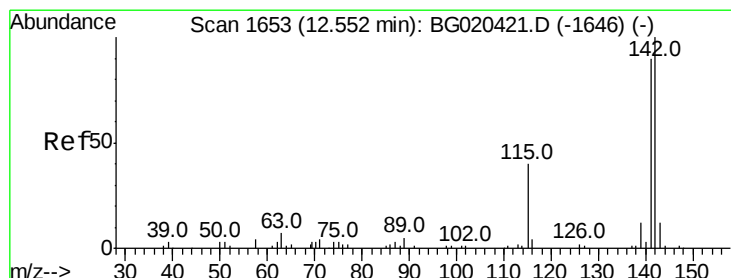
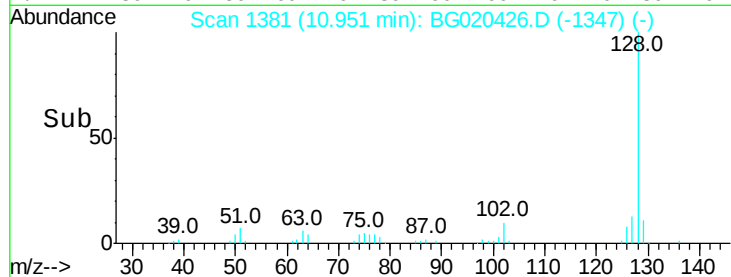
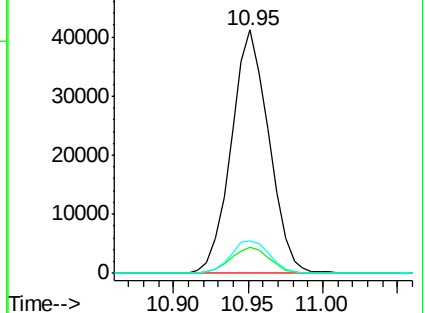
127 13.4 10.1 15.1



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



#34

2-Methylnaphthalene

Concen: 7.72 ng/ul

RT: 12.55 min Scan# 1653

Delta R.T. -0.00 min

Lab File: BG020426.D

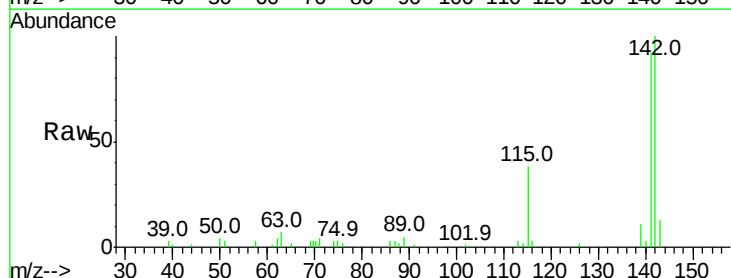
Acq: 23 Dec 2015 3:30

Tgt Ion:142 Resp: 22482

Ion Ratio Lower Upper

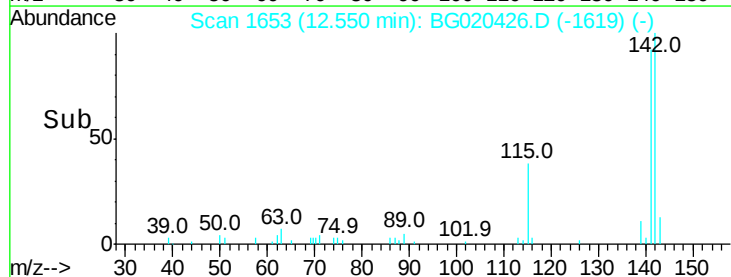
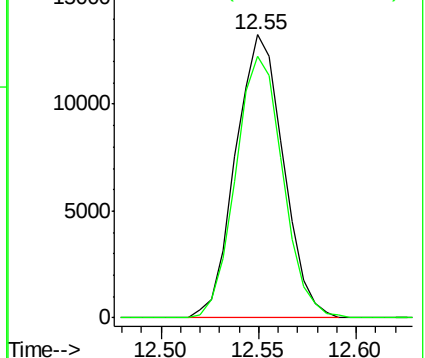
142 100

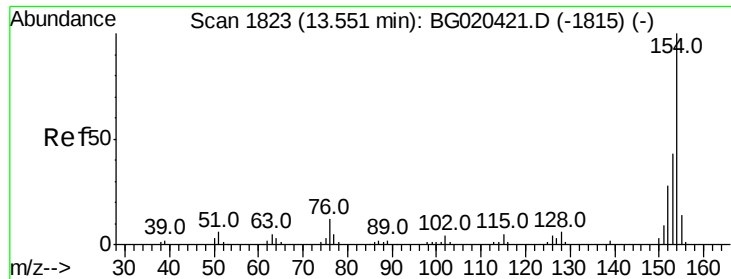
141 92.4 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

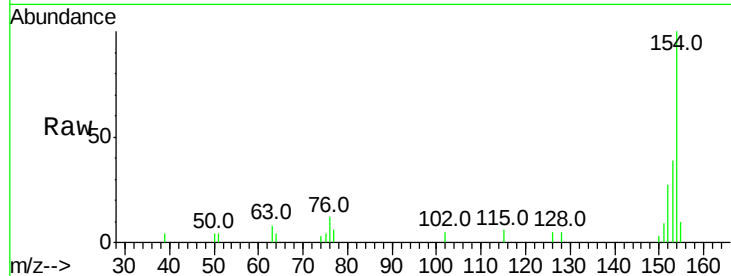




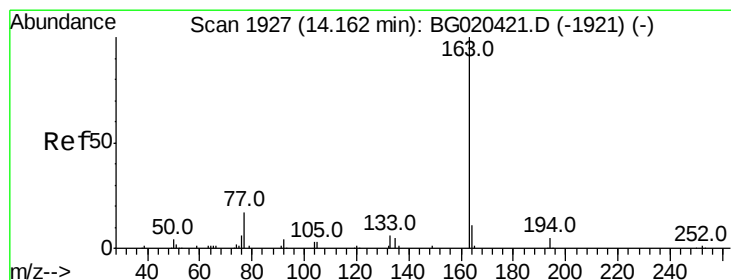
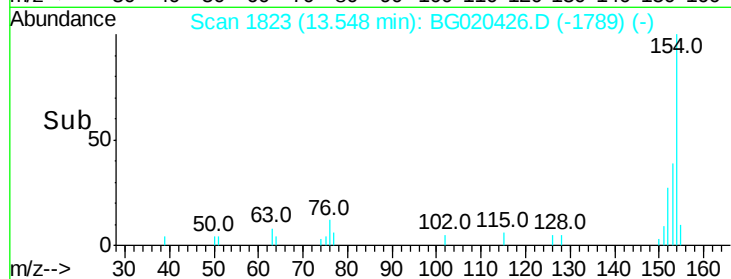
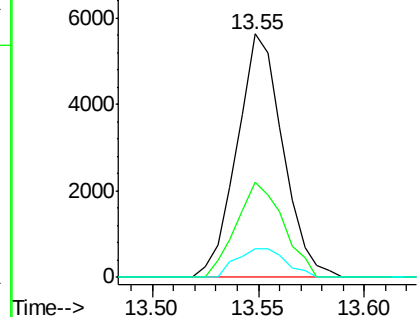
#41
 1,1'-Biphenyl
 Concen: 2.13 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BG020426.D
 Acq: 23 Dec 2015 3:30

Instrument :
 BNA_G
 ClientSampleId :
 D9N71DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	38.9	35.5	53.3
76	11.9	10.4	15.6

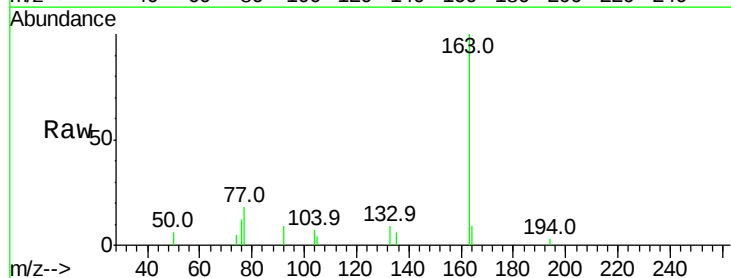


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

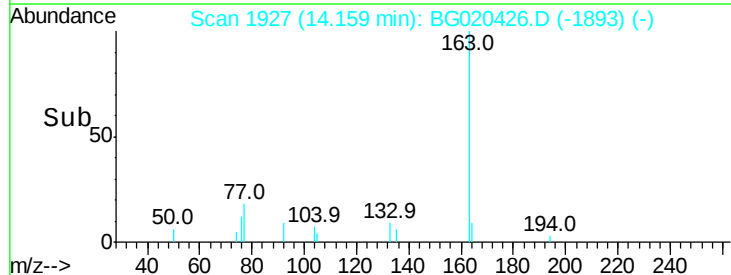
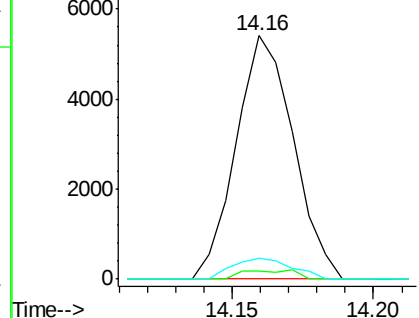


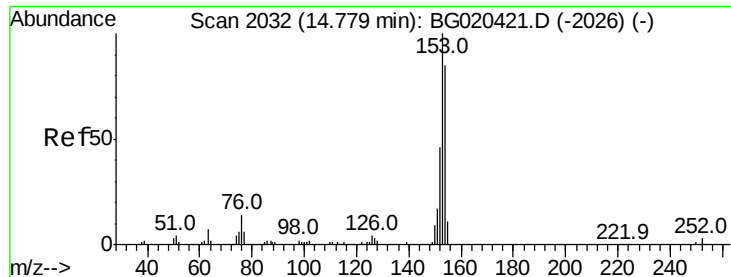
#45
 Dimethylphthalate
 Concen: 1.74 ng/ul
 RT: 14.16 min Scan# 1927
 Delta R.T. -0.00 min
 Lab File: BG020426.D
 Acq: 23 Dec 2015 3:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.5	5.3#
164	8.6	7.7	11.5



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: 11.03 ng/ul

RT: 14.78 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BG020426.D

Acq: 23 Dec 2015 3:30

Instrument :

BNA_G

ClientSampleId :

D9N71DL

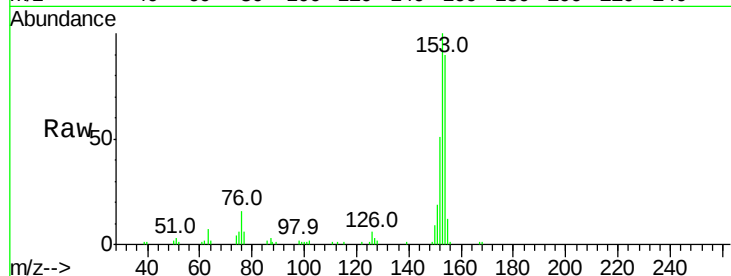
Tot Ion:153 Resp: 39191

Ion Ratio Lower Upper

153 100

152 51.3 37.6 56.4

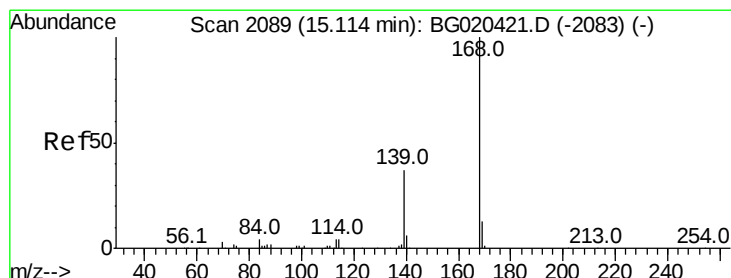
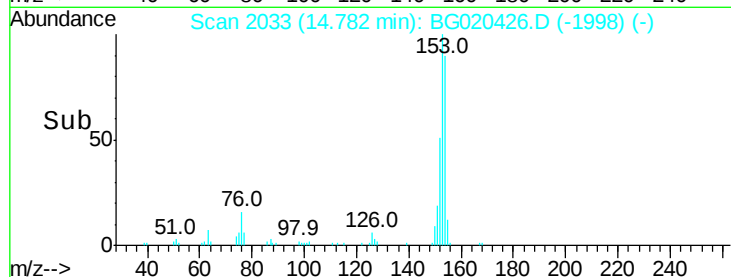
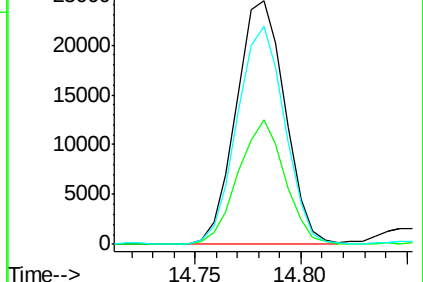
154 89.6 67.9 101.9



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: 7.73 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. -0.00 min

Lab File: BG020426.D

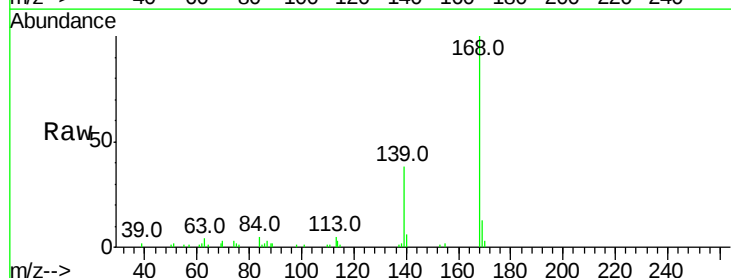
Acq: 23 Dec 2015 3:30

Tgt Ion:168 Resp: 40860

Ion Ratio Lower Upper

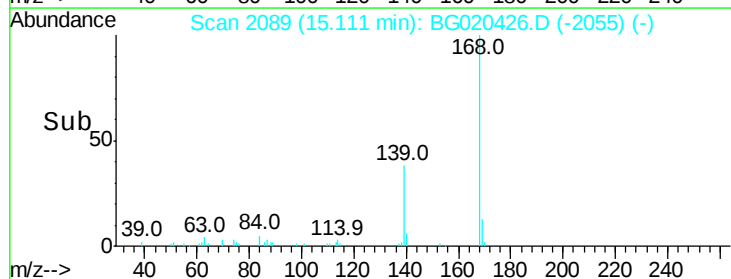
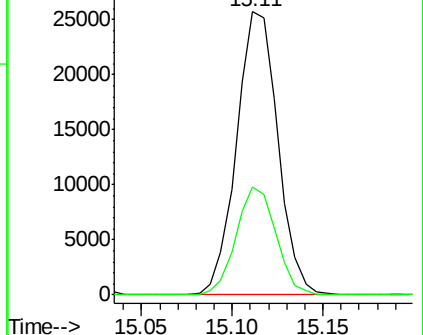
168 100

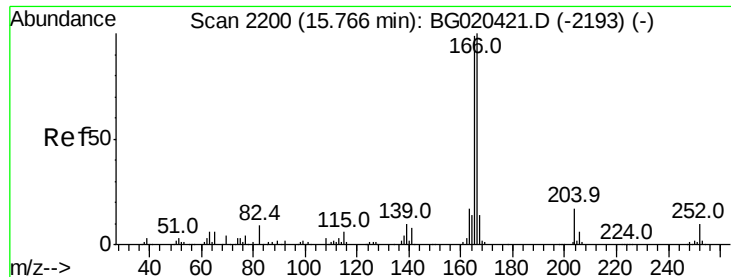
139 38.0 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 8.93 ng/ul

RT: 15.76 min Scan# 2200

Delta R.T. -0.00 min

Lab File: BG020426.D

Acq: 23 Dec 2015 3:30

Instrument :

BNA_G

ClientSampleId :

D9N71DL

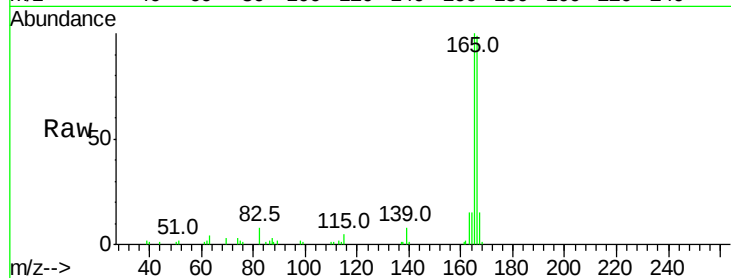
Tot Ion:166 Resp: 37899

Ion Ratio Lower Upper

166 100

165 100.9 81.4 122.0

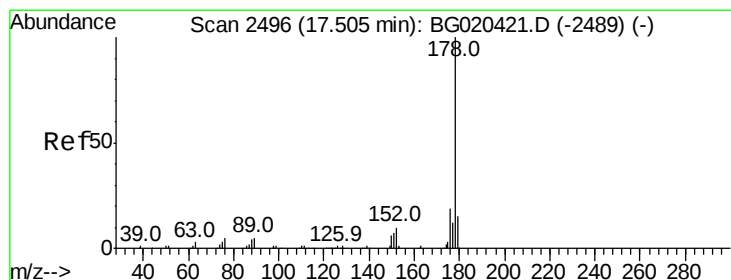
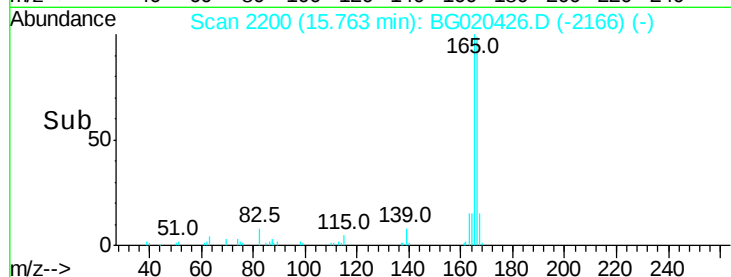
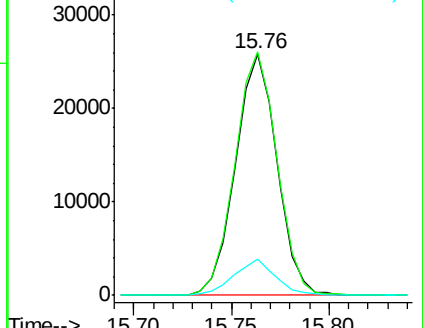
167 15.2 11.2 16.8



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: 25.71 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. 0.00 min

Lab File: BG020426.D

Acq: 23 Dec 2015 3:30

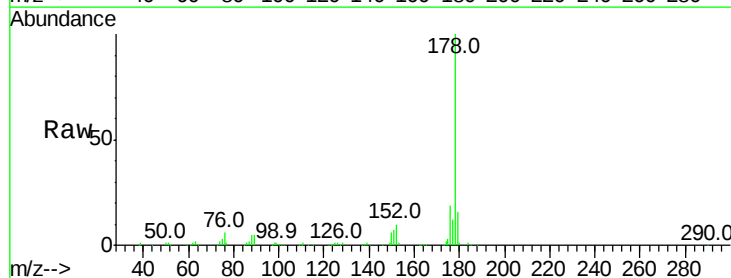
Tgt Ion:178 Resp: 177204

Ion Ratio Lower Upper

178 100

179 15.6 12.9 19.3

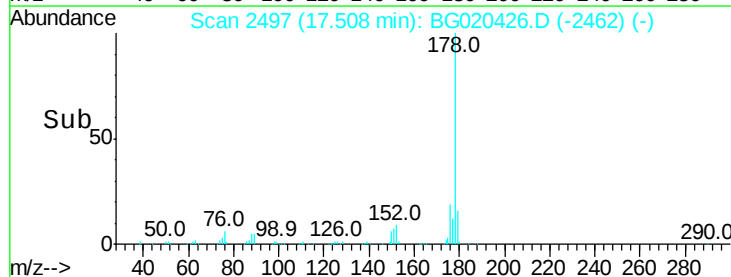
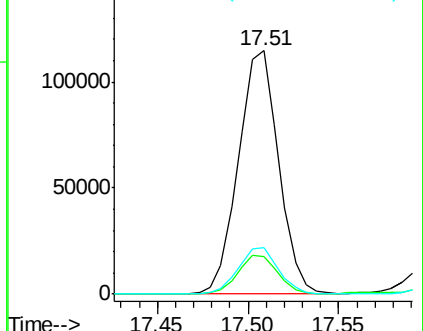
176 19.1 15.3 22.9

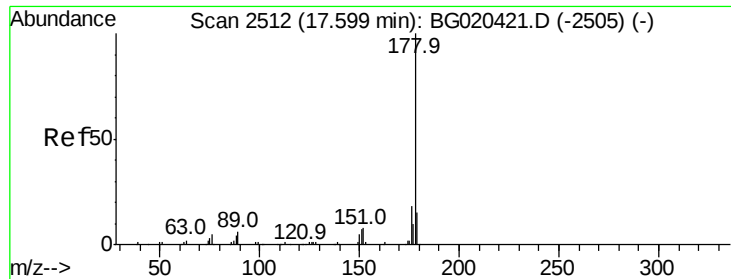


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.38 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.00 min

Lab File: BG020426.D

Acq: 23 Dec 2015 3:30

Instrument :

BNA_G

ClientSampleId :

D9N71DL

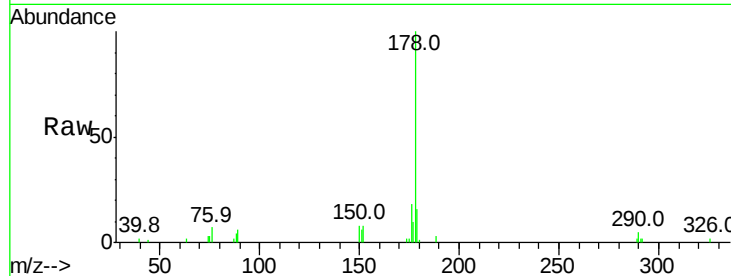
Tot Ion:178 Resp: 16617

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

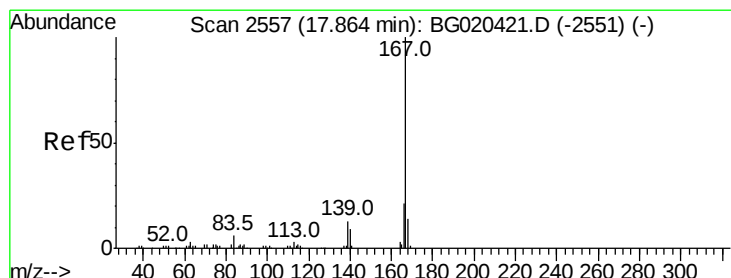
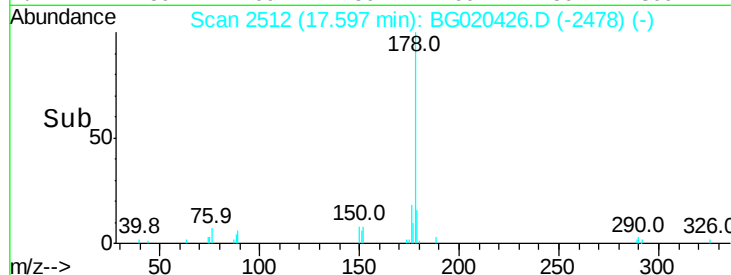
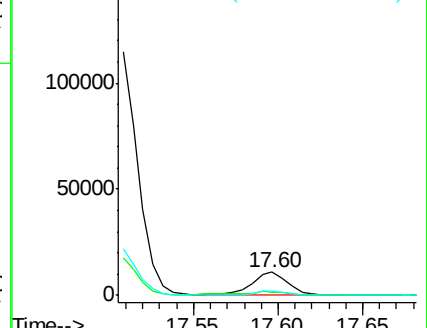
176 17.8 14.3 21.5



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: 1.74 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. 0.00 min

Lab File: BG020426.D

Acq: 23 Dec 2015 3:30

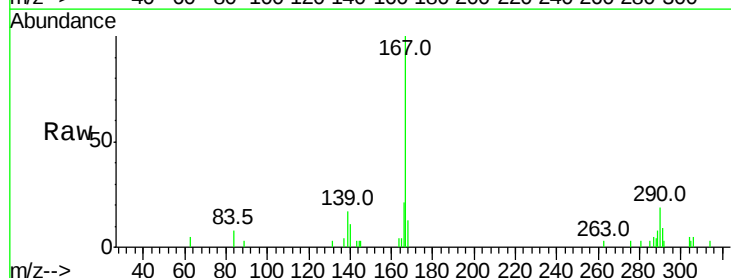
Tgt Ion:167 Resp: 10222

Ion Ratio Lower Upper

167 100

166 21.2 17.0 25.6

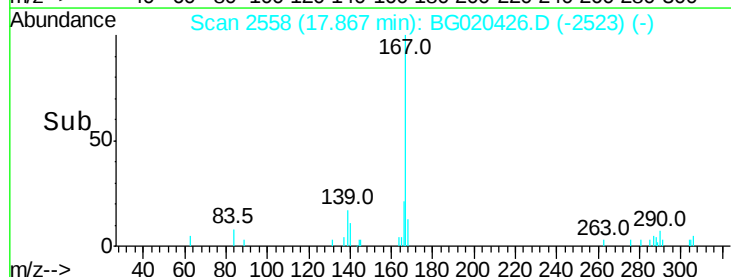
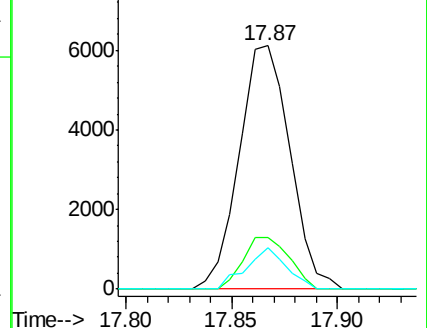
139 17.2 10.1 15.1#

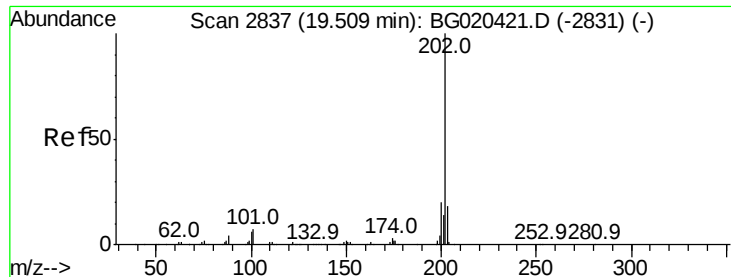


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

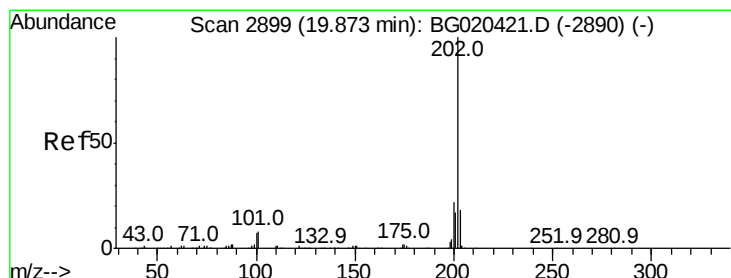
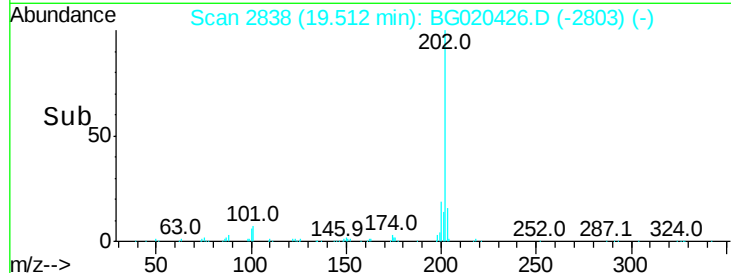
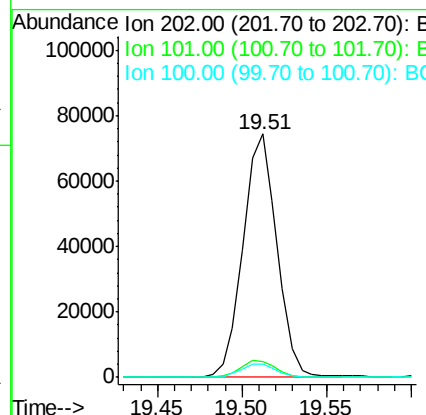
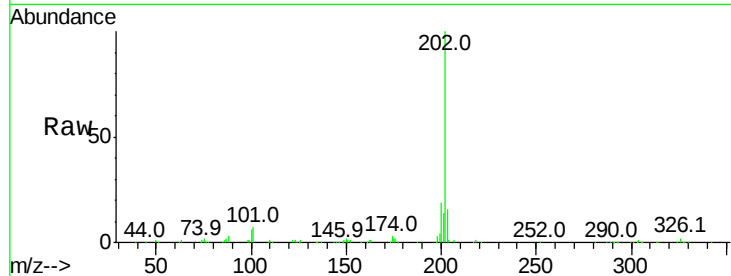




#77
 Fluoranthene
 Concen: 12.88 ng/ul
 RT: 19.51 min Scan# 2838
 Delta R.T. 0.00 min
 Lab File: BG020426.D
 Acq: 23 Dec 2015 3:30

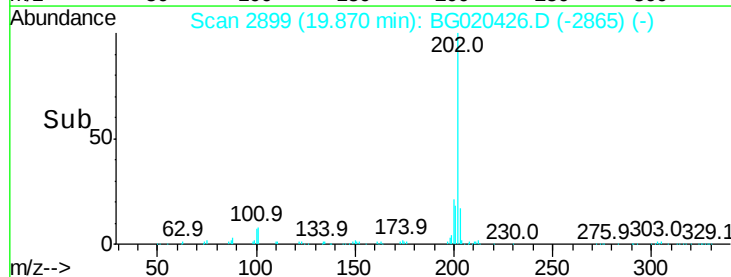
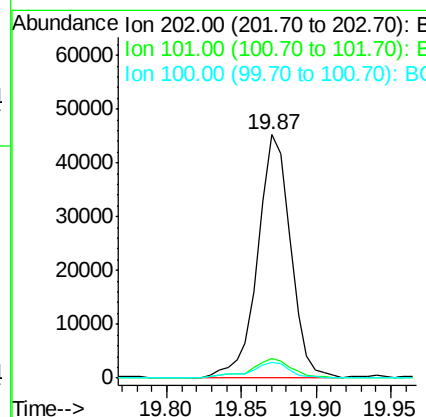
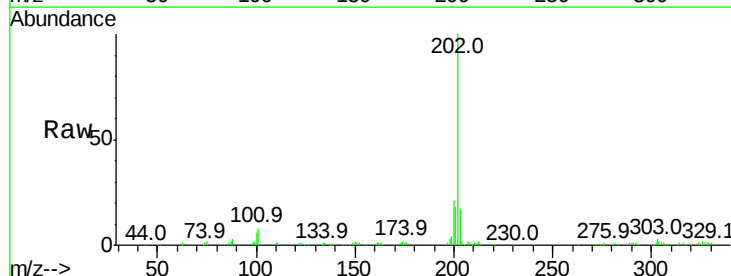
Instrument :
 BNA_G
 ClientSampleId :
 D9N71DL

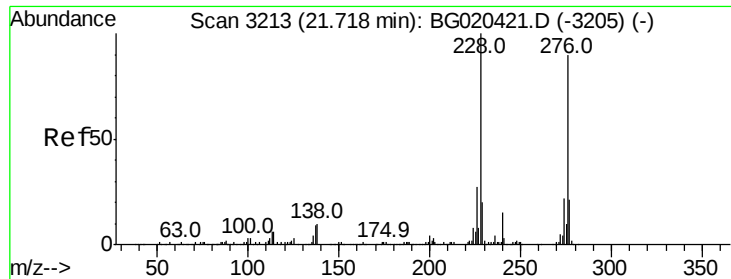
Tot Ion	Ratio	Lower	Upper
202	100		
101	6.6	6.2	9.4
100	5.6	5.1	7.7



#80
 Pyrene
 Concen: 7.32 ng/ul
 RT: 19.87 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: BG020426.D
 Acq: 23 Dec 2015 3:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	7.0	10.4
100	6.5	6.4	9.6

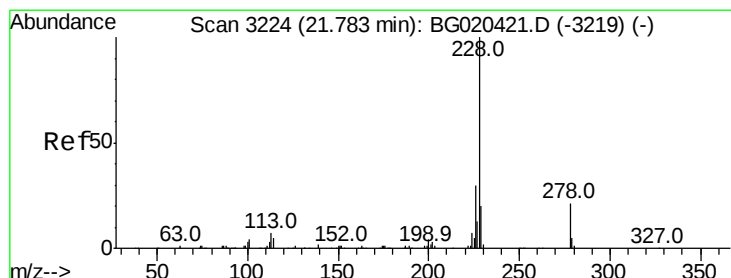
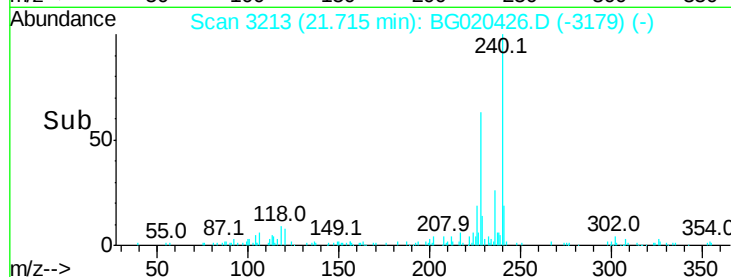
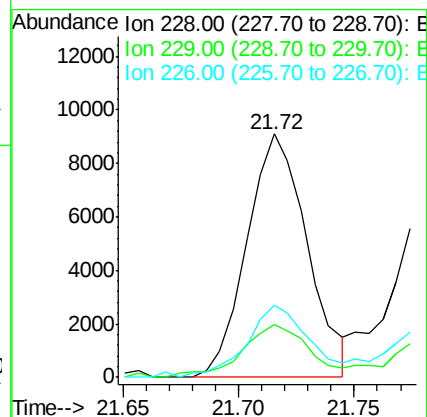
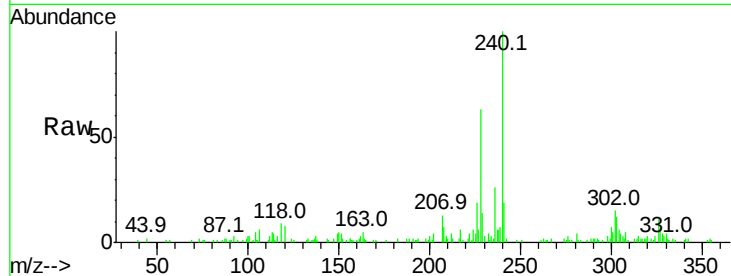




#83
Benzo(a)anthracene
Concen: 1.83 ng/ul
RT: 21.72 min Scan# 3213
Delta R.T. -0.00 min
Lab File: BG020426.D
Acq: 23 Dec 2015 3:30

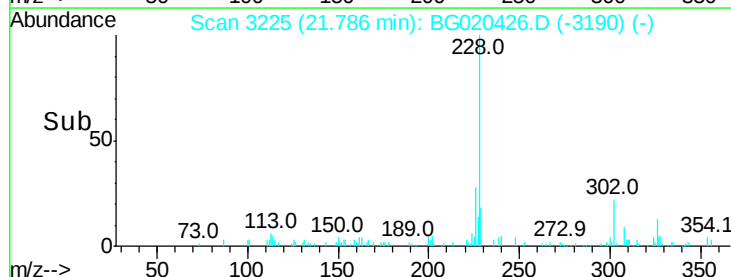
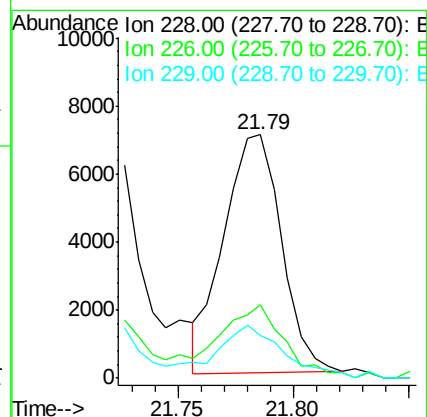
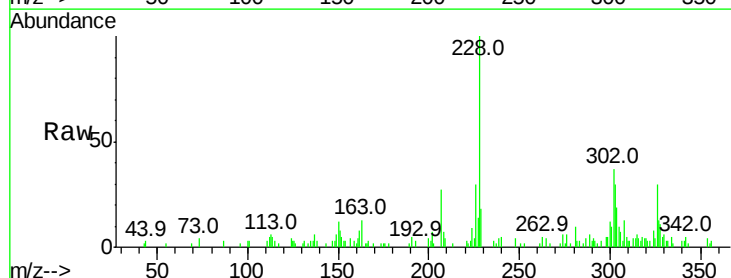
Instrument :
BNA_G
ClientSampleId :
D9N71DL

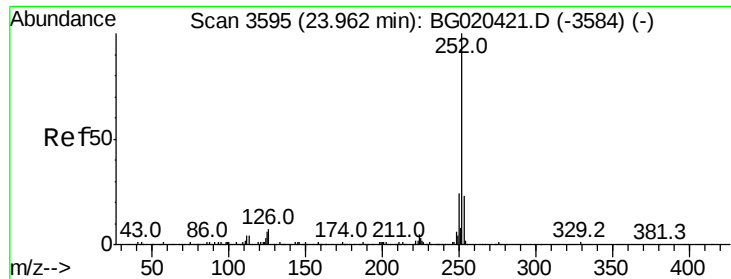
Tot Ion:228 Resp: 16583
Ion Ratio Lower Upper
228 100
229 21.8 15.8 23.8
226 29.9 21.8 32.6



#85
Chrysene
Concen: 1.43 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. 0.00 min
Lab File: BG020426.D
Acq: 23 Dec 2015 3:30

Tgt Ion:228 Resp: 12214
Ion Ratio Lower Upper
228 100
226 30.2 23.9 35.9
229 17.7 15.6 23.4





#88

Benzo(b)fluoranthene

Concen: 1.04 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. 0.00 min

Lab File: BG020426.D

Acq: 23 Dec 2015 3:30

Instrument :

BNA_G

ClientSampleId :

D9N71DL

Tot Ion: 252 Resp: 9631

Ion Ratio Lower Upper

252 100

253 24.8 16.7 25.1

125 10.2 6.2 9.2#

