

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
 Data File : BG020412.D
 Acq On : 22 Dec 2015 16:56
 Operator : UM/SJ
 Sample : G4849-06DL 30X
 Misc : med level RX
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N70DL

Quant Time: Dec 23 04:14:22 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 23 04:11:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	15032	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	70028	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	56944	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	159277	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	156785	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	150638	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.25	99	562	0.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	490	0.62	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	626	0.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	424	0.37	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	335	0.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	414	0.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	689	0.56	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	1145	0.83	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	4641	1.01	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	4716	0.88	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	4522	1.08	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.46	188	159277	21.70	ng/ul	-0.10
79) Pyrene-d10	19.84	212	6463	0.88	ng/ul	-0.01
90) Benzo(a)pyrene-d12	24.76	264	3774	0.50	ng/ul	-0.02

Target Compounds

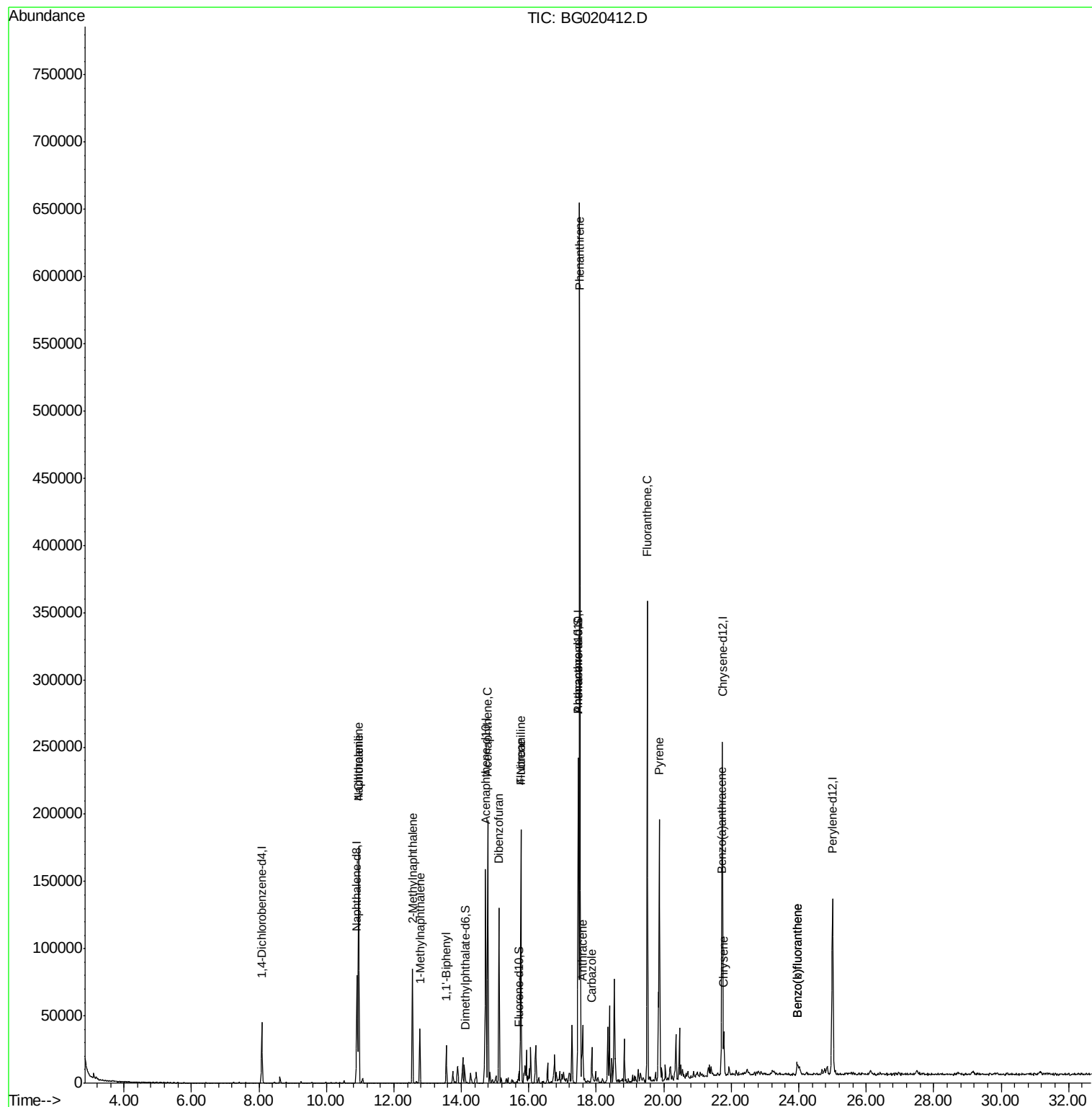
						Qvalue
28) Naphthalene	10.95	128	155511	42.52	ng/ul	98
30) 4-Chloroaniline	10.95	127	20779	14.73	ng/ul#	10
34) 2-Methylnaphthalene	12.55	142	42394	15.18	ng/ul	96
35) 1-Methylnaphthalene	12.77	142	19954	7.43	ng/ul	96
41) 1,1'-Biphenyl	13.55	154	15641	3.64	ng/ul	98
50) Acenaphthene	14.78	153	83343	21.76	ng/ul	100
54) Dibenzofuran	15.11	168	86107	15.11	ng/ul	100
59) Fluorene	15.76	166	88118	19.26	ng/ul	95
61) 4-Nitroaniline	15.76	138	1048	1.03	ng/ul#	10
70) Phenanthrene	17.51	178	429982	49.35	ng/ul	100
72) Anthracene	17.59	178	30438	3.44	ng/ul	99
75) Carbazole	17.86	167	18752	2.53	ng/ul#	94
77) Fluoranthene	19.51	202	231868	22.77	ng/ul	98
80) Pyrene	19.87	202	144539	15.23	ng/ul	98
83) Benzo(a)anthracene	21.71	228	31524	3.45	ng/ul	96
85) Chrysene	21.78	228	26207	3.04	ng/ul	97
88) Benzo(b)fluoranthene	23.96	252	14307	1.58	ng/ul	99
89) Benzo(k)fluoranthene	23.96	252	14307	1.64	ng/ul	96

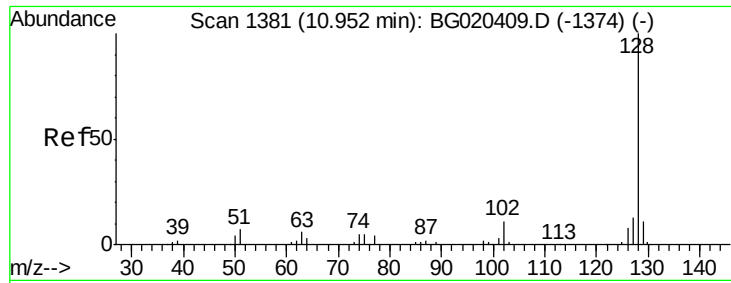
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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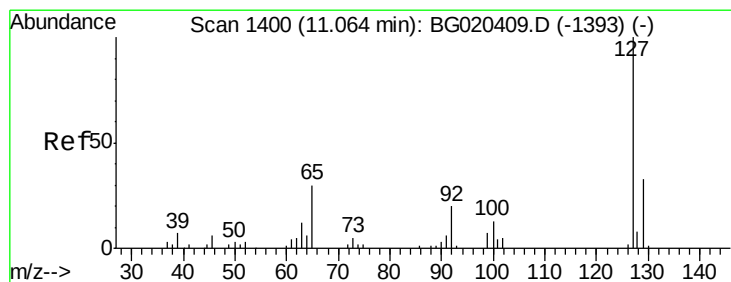
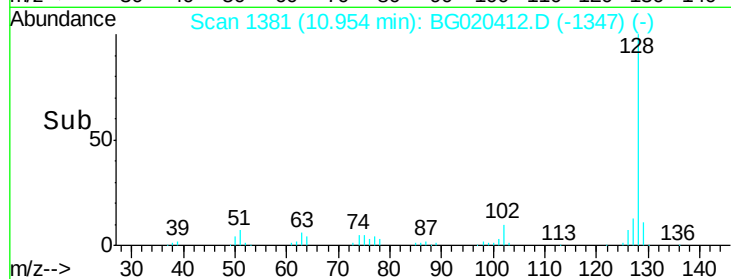
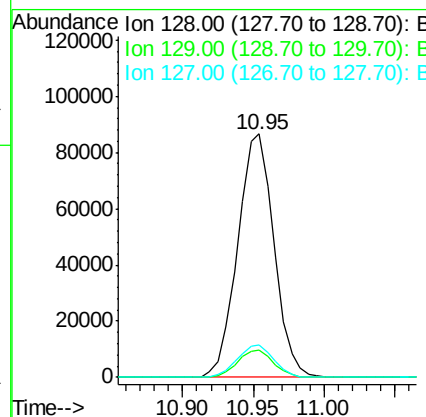
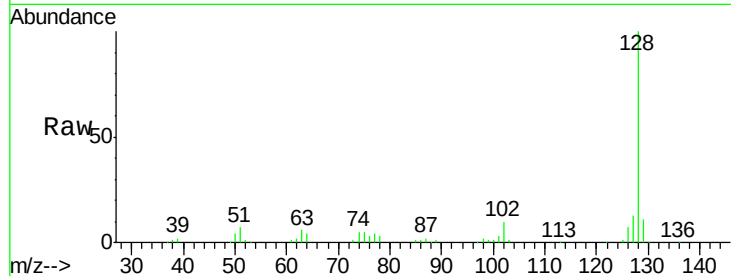




#28
Naphthalene
Concen: 42.52 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BG020412.D
Acq: 22 Dec 2015 16:56

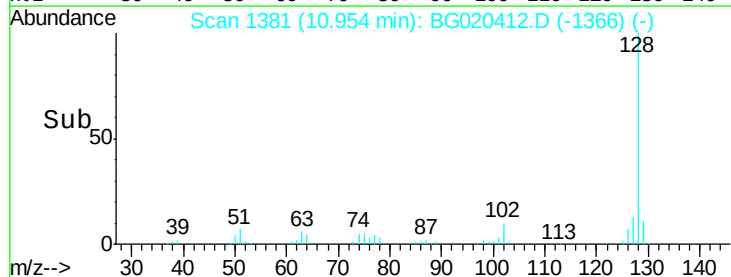
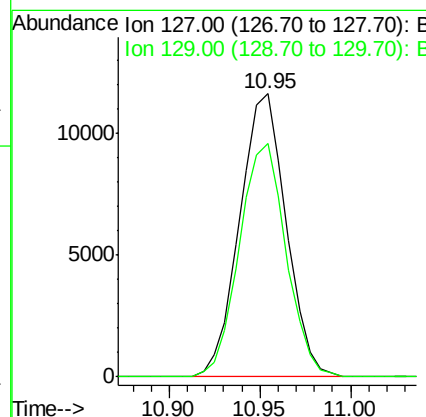
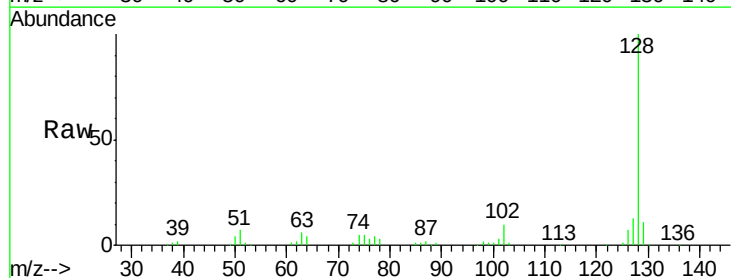
Instrument :
BNA_G
ClientSampleId :
D9N70DL

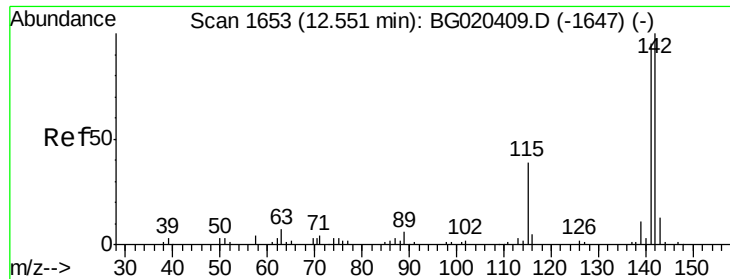
Tgt Ion:128 Resp: 155511
Ion Ratio Lower Upper
128 100
129 11.0 8.6 12.8
127 13.4 10.1 15.1



#30
4-Chloroaniline
Concen: 14.73 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. -0.11 min
Lab File: BG020412.D
Acq: 22 Dec 2015 16:56

Tgt Ion:127 Resp: 20779
Ion Ratio Lower Upper
127 100
129 82.4 25.7 38.5#

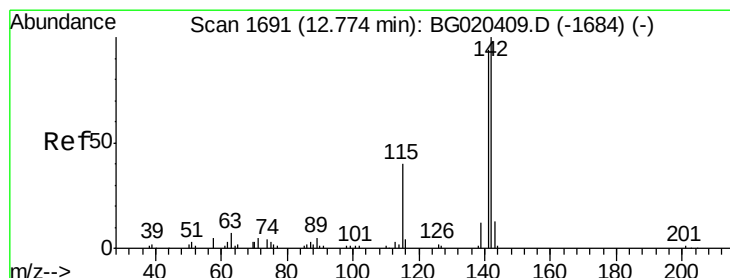
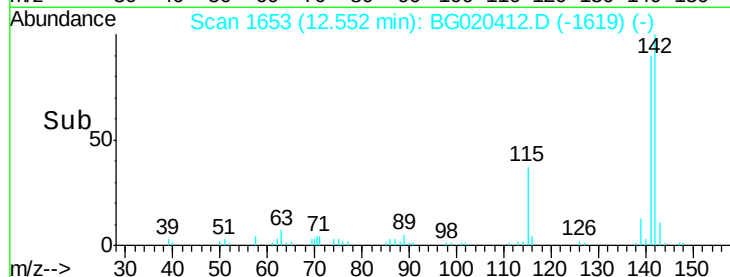
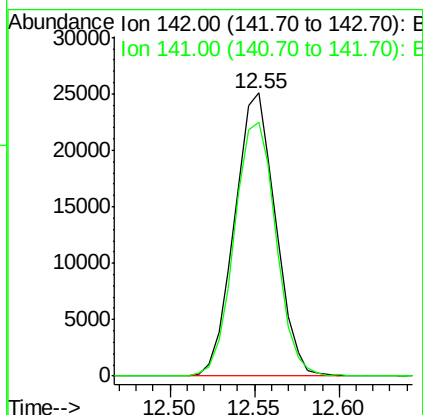
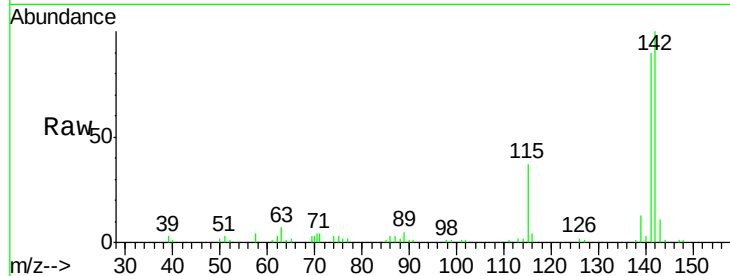




#34
 2-Methylnaphthalene
 Concen: 15.18 ng/ul
 RT: 12.55 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: BG020412.D
 Acq: 22 Dec 2015 16:56

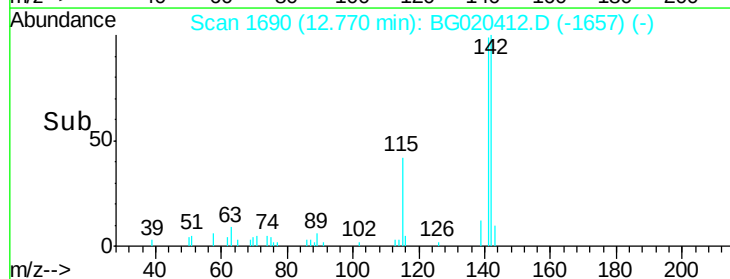
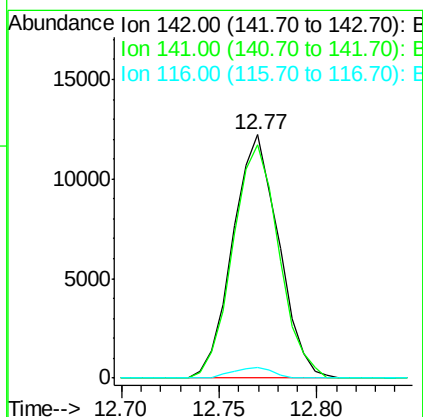
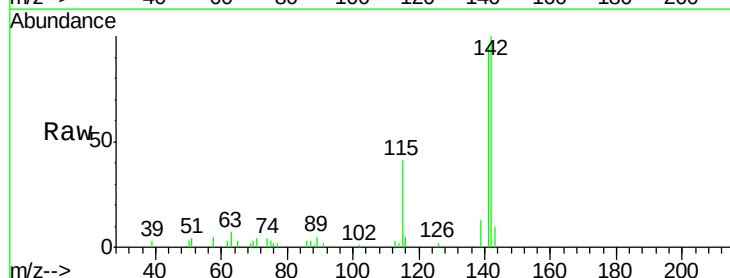
Instrument :
 BNA_G
 ClientSampled :
 D9N70DL

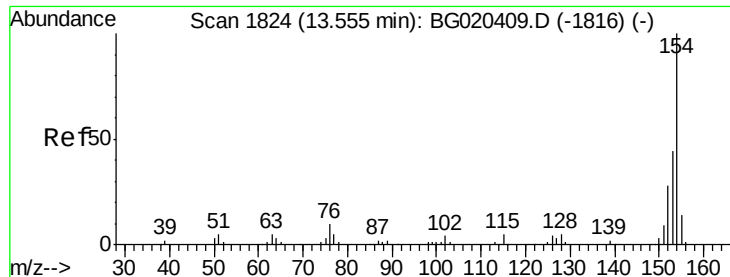
Tgt Ion:142 Resp: 42394
 Ion Ratio Lower Upper
 142 100
 141 89.9 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 7.43 ng/ul
 RT: 12.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: BG020412.D
 Acq: 22 Dec 2015 16:56

Tgt Ion:142 Resp: 19954
 Ion Ratio Lower Upper
 142 100
 141 95.6 73.0 109.6
 116 4.6 3.0 4.6

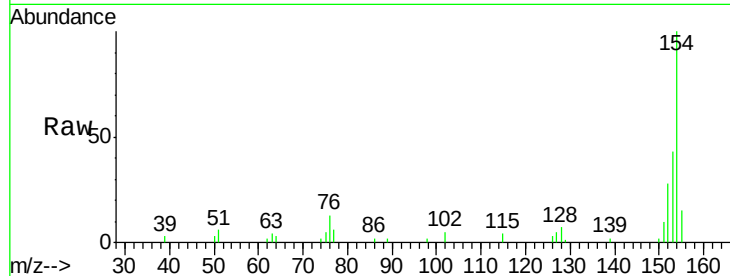




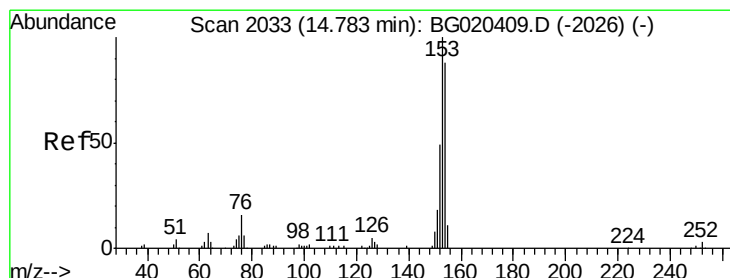
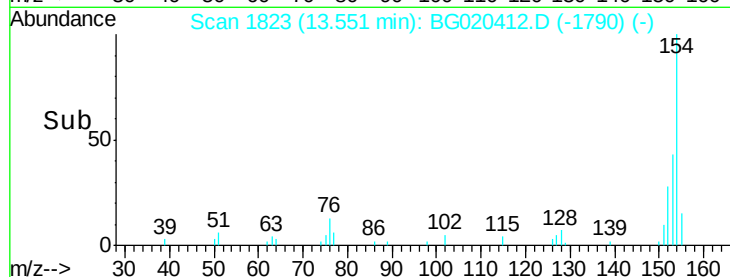
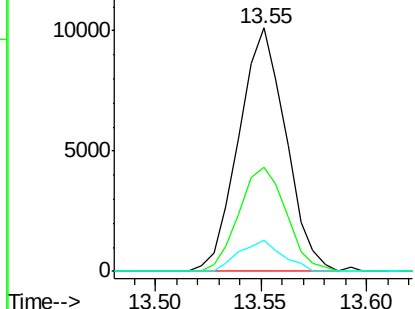
#41
 1,1'-Biphenyl
 Concen: 3.64 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BG020412.D
 Acq: 22 Dec 2015 16:56

Instrument :
 BNA_G
 ClientSampleId :
 D9N70DL

Tgt Ion:154 Resp: 15641
 Ion Ratio Lower Upper
 154 100
 153 42.7 35.5 53.3
 76 13.0 10.4 15.6

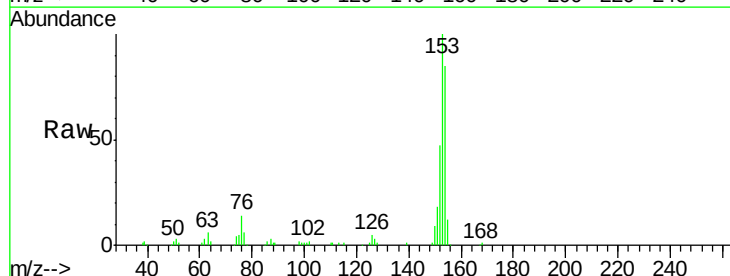


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

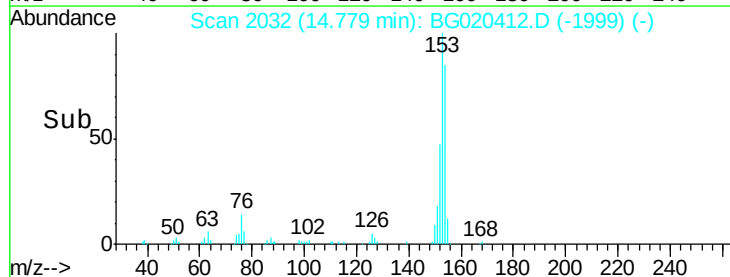
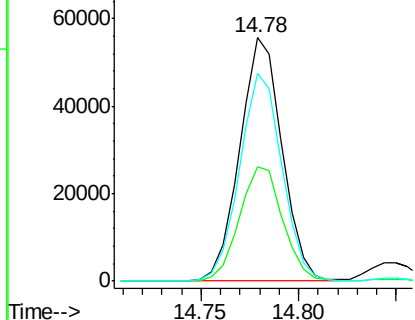


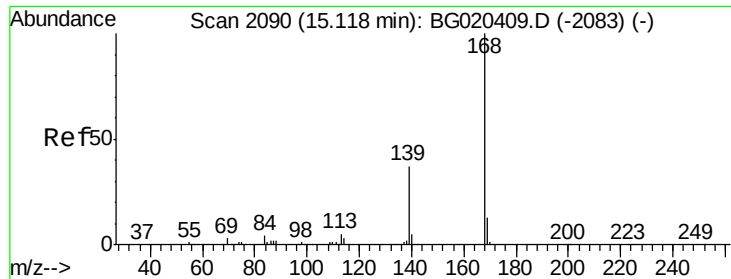
#50
 Acenaphthene
 Concen: 21.76 ng/ul
 RT: 14.78 min Scan# 2032
 Delta R.T. -0.00 min
 Lab File: BG020412.D
 Acq: 22 Dec 2015 16:56

Tgt Ion:153 Resp: 83343
 Ion Ratio Lower Upper
 153 100
 152 46.8 37.6 56.4
 154 85.2 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

Dibenzenofuran

Concen: 15.11 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. -0.00 min

Lab File: BG020412.D

Acq: 22 Dec 2015 16:56

Instrument :

BNA_G

ClientSampleId :

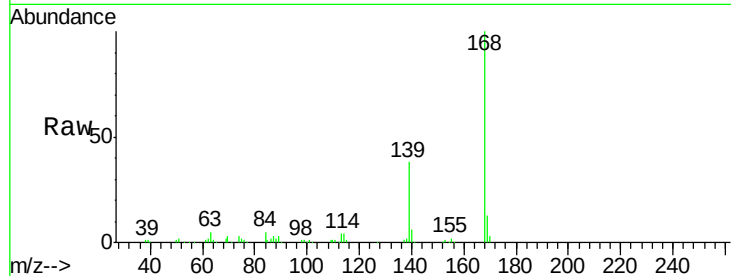
D9N70DL

Tgt Ion:168 Resp: 86107

Ion Ratio Lower Upper

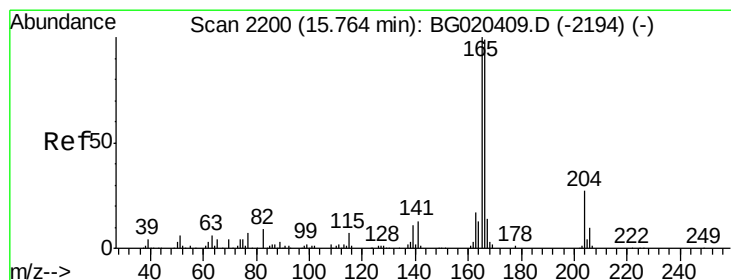
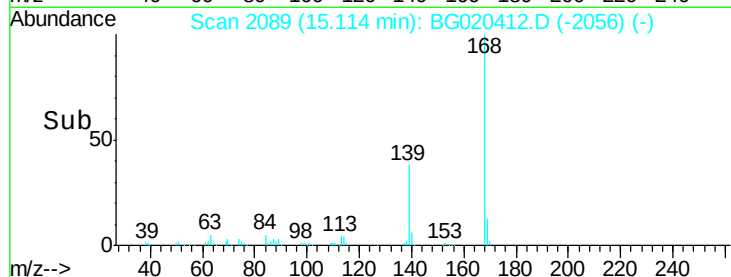
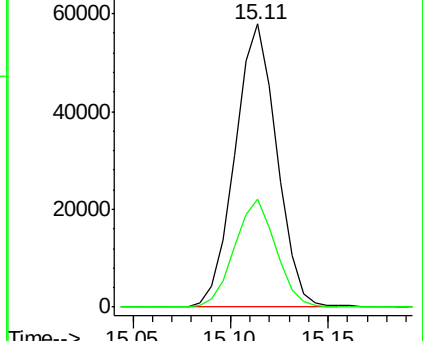
168 100

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: 19.26 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG020412.D

Acq: 22 Dec 2015 16:56

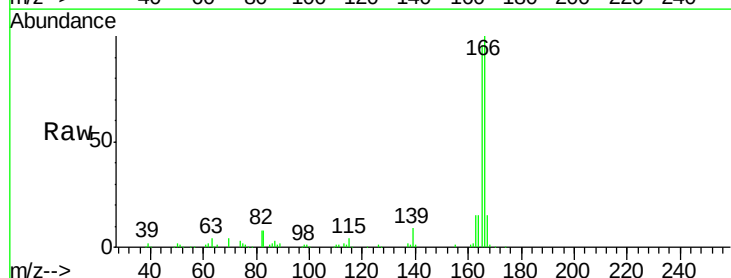
Tgt Ion:166 Resp: 88118

Ion Ratio Lower Upper

166 100

165 96.1 81.4 122.0

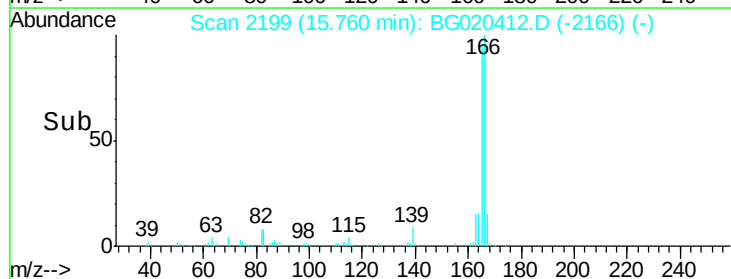
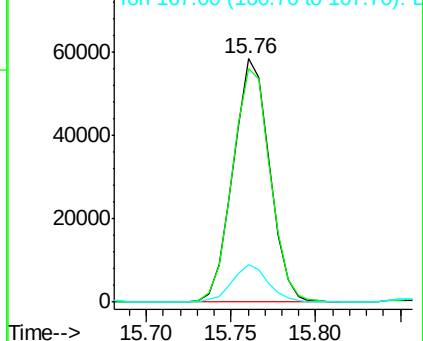
167 15.3 11.2 16.8

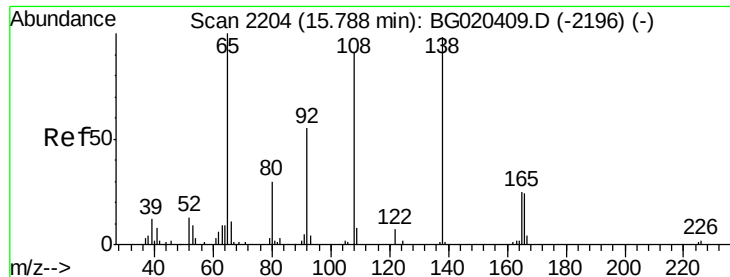


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#61

4-Nitroaniline

Concen: 1.03 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. -0.03 min

Lab File: BG020412.D

Acq: 22 Dec 2015 16:56

Instrument :

BNA_G

ClientSampled :

D9N70DL

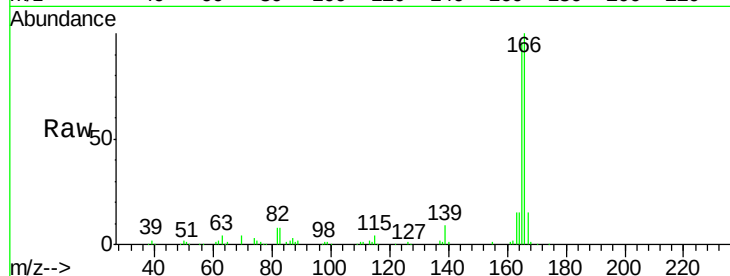
Tgt Ion:138 Resp: 1048

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

108 0.0 75.4 113.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BGC

Ion 108.00 (107.70 to 108.70): E

15.76

800

600

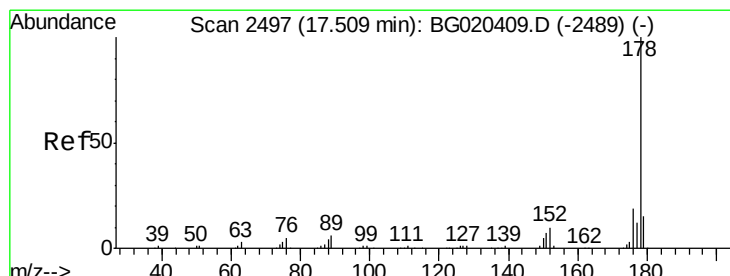
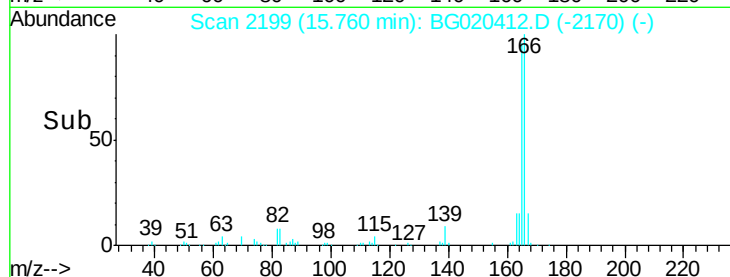
400

200

0

15.74 15.76 15.78

Time-->



#70

Phenanthrene

Concen: 49.35 ng/ul

RT: 17.51 min Scan# 2496

Delta R.T. -0.00 min

Lab File: BG020412.D

Acq: 22 Dec 2015 16:56

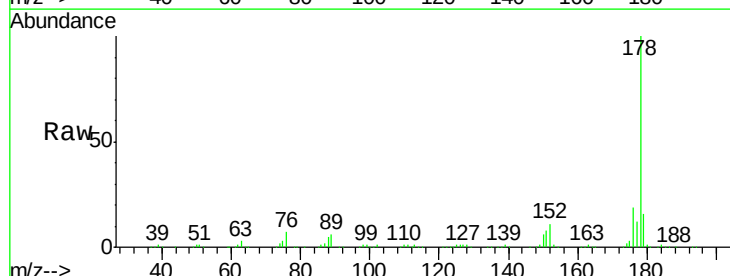
Tgt Ion:178 Resp: 429982

Ion Ratio Lower Upper

178 100

179 16.1 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

17.51

300000

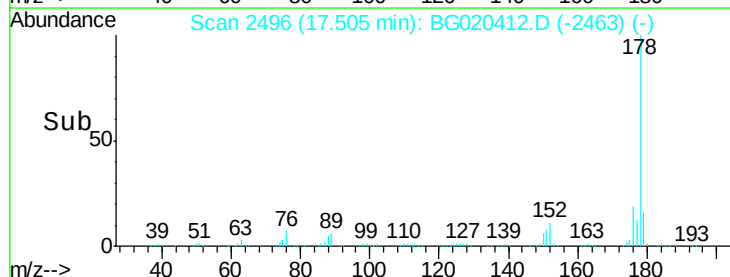
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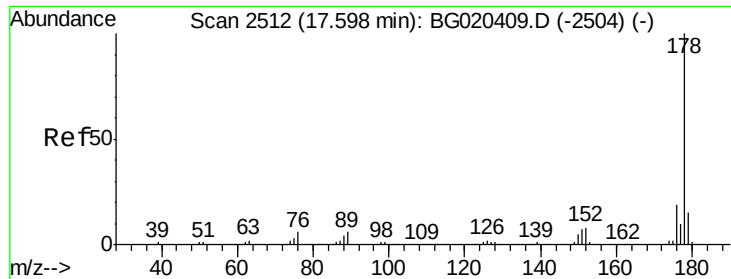
100000

0

17.45 17.50 17.55

Time-->

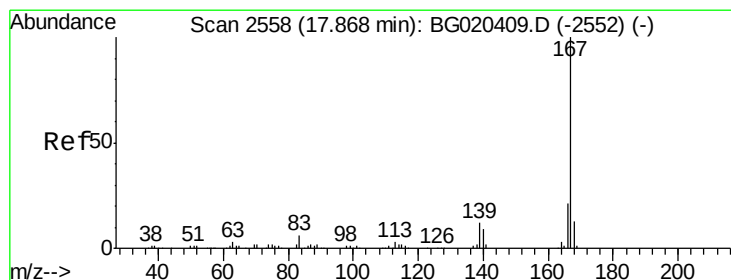
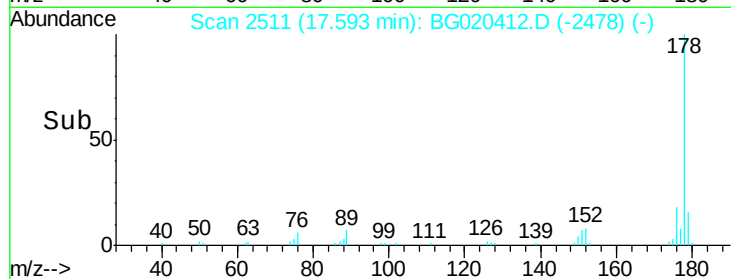
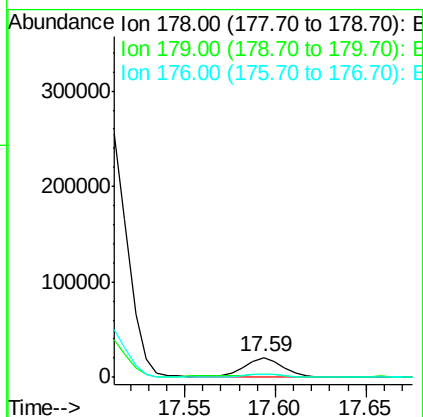
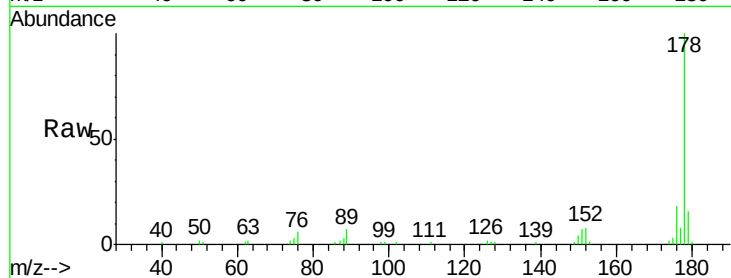




#72
 Anthracene
 Concen: 3.44 ng/ul
 RT: 17.59 min Scan# 2511
 Delta R.T. -0.00 min
 Lab File: BG020412.D
 Acq: 22 Dec 2015 16:56

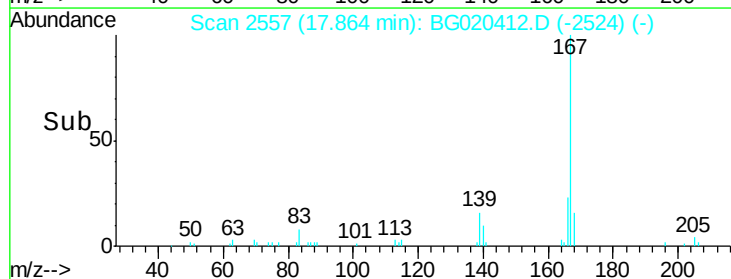
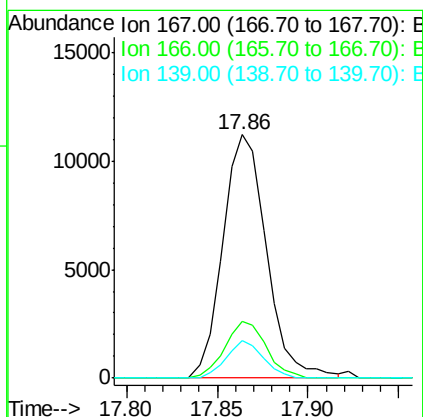
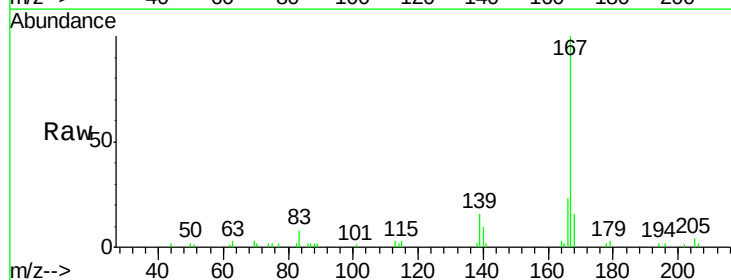
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 D9N70DL

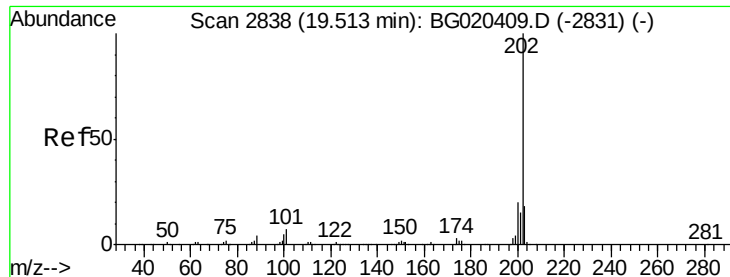
Tgt Ion:178 Resp: 30438
 Ion Ratio Lower Upper
 178 100
 179 16.2 12.3 18.5
 176 17.6 14.3 21.5



#75
 Carbazole
 Concen: 2.53 ng/ul
 RT: 17.86 min Scan# 2557
 Delta R.T. -0.00 min
 Lab File: BG020412.D
 Acq: 22 Dec 2015 16:56

Tgt Ion:167 Resp: 18752
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.0 25.6
 139 15.6 10.1 15.1#

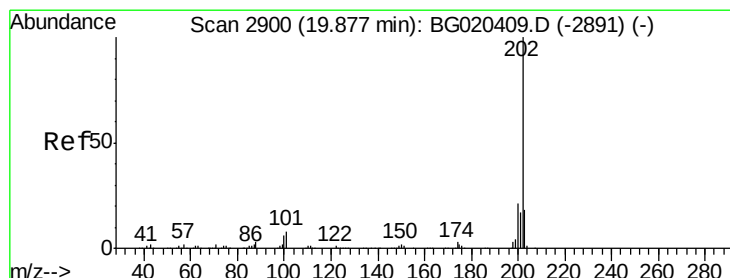
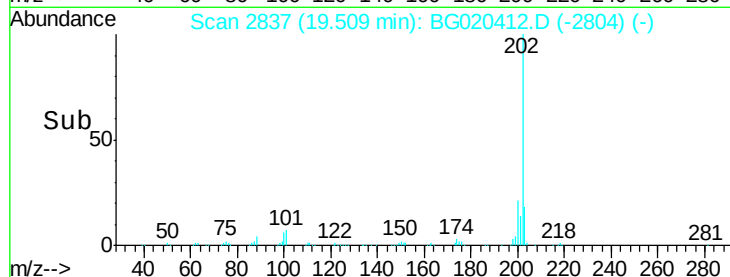
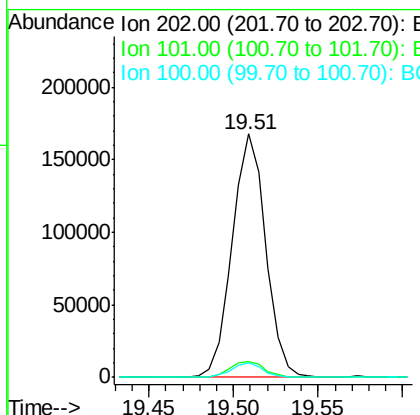
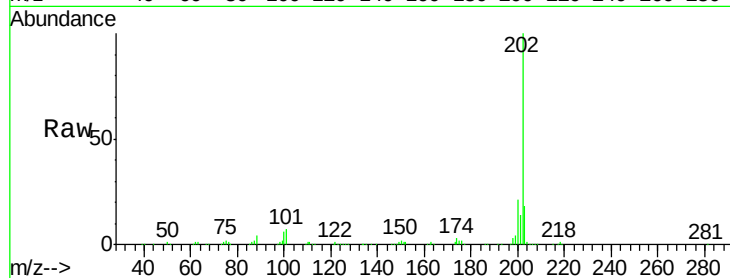




#77
Fluoranthene
Concen: 22.77 ng/ul
RT: 19.51 min Scan# 2837
Delta R.T. -0.00 min
Lab File: BG020412.D
Acq: 22 Dec 2015 16:56

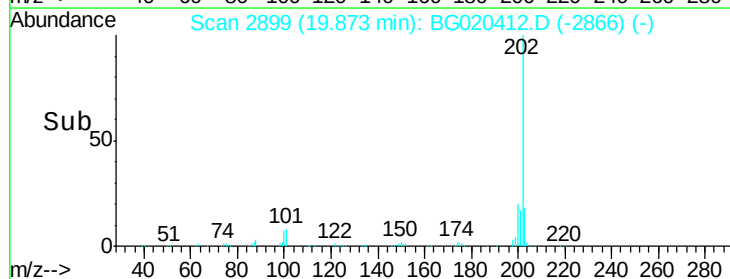
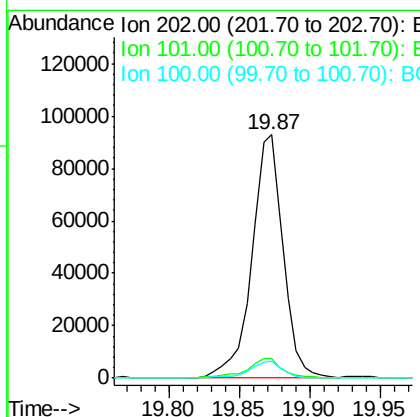
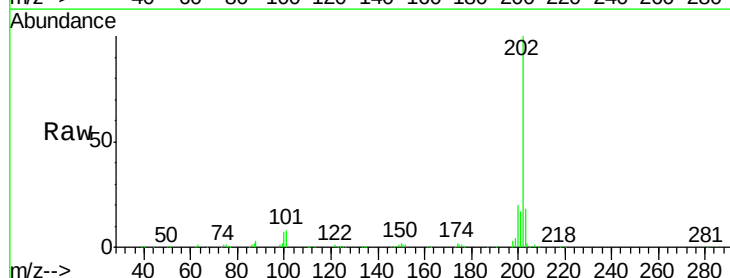
Instrument :
BNA_G
ClientSampleId :
D9N70DL

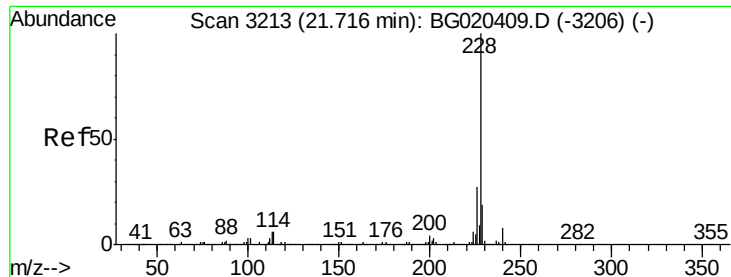
Tgt Ion:	202	Resp:	231868
Ion Ratio	Lower	Upper	
202	100		
101	6.7	6.2	9.4
100	6.1	5.1	7.7



#80
Pyrene
Concen: 15.23 ng/ul
RT: 19.87 min Scan# 2899
Delta R.T. -0.00 min
Lab File: BG020412.D
Acq: 22 Dec 2015 16:56

Tgt Ion:	202	Resp:	144539
Ion Ratio	Lower	Upper	
202	100		
101	8.2	7.0	10.4
100	6.9	6.4	9.6

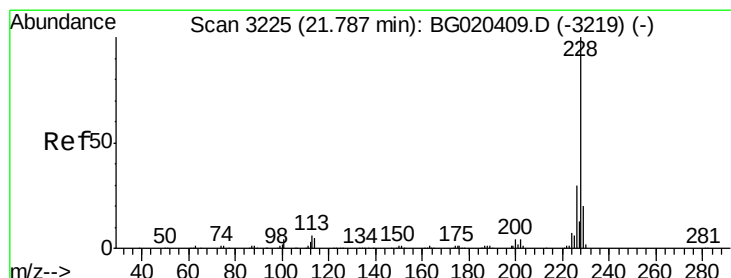
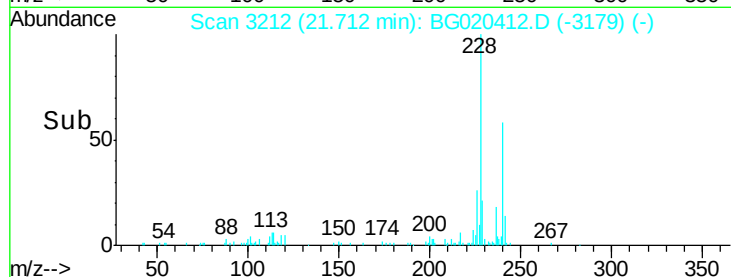
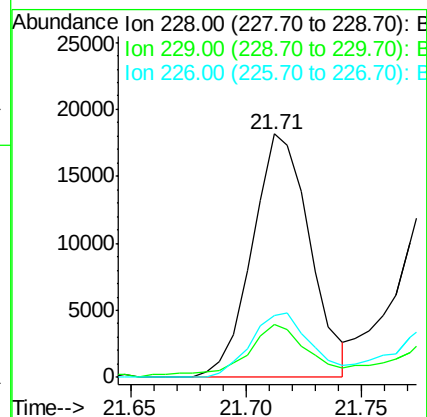
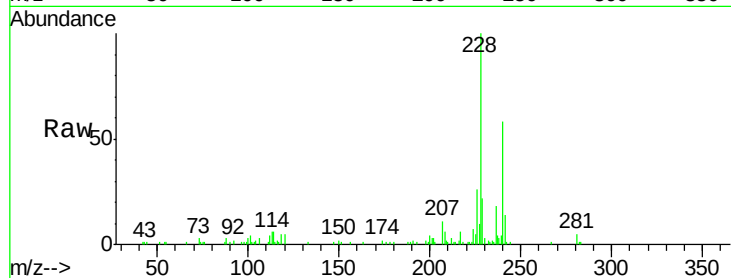




#83
Benzo(a)anthracene
Concen: 3.45 ng/ul
RT: 21.71 min Scan# 3212
Delta R.T. -0.00 min
Lab File: BG020412.D
Acq: 22 Dec 2015 16:56

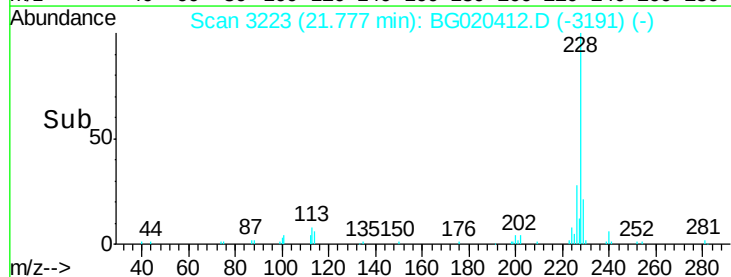
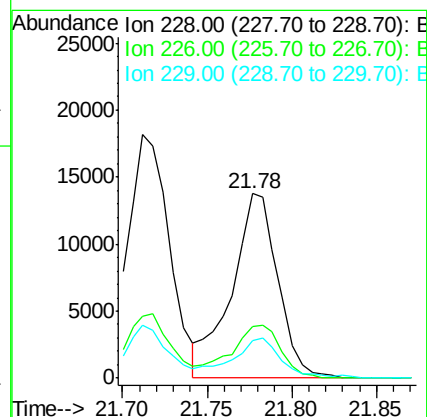
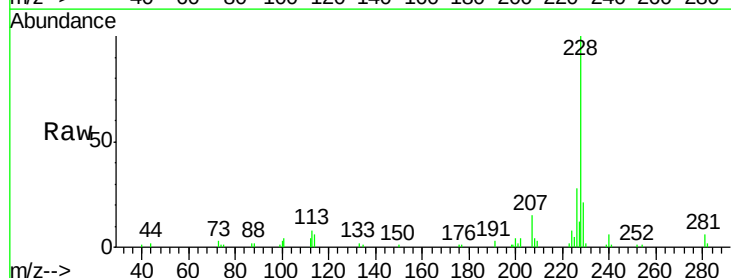
Instrument :
BNA_G
ClientSampleId :
D9N70DL

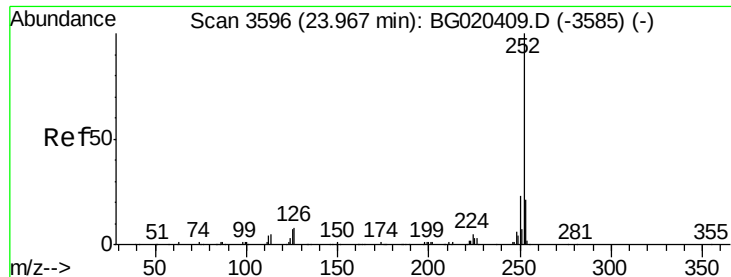
Tgt Ion: 228 Resp: 31524
Ion Ratio Lower Upper
228 100
229 21.9 15.8 23.8
226 25.7 21.8 32.6



#85
Chrysene
Concen: 3.04 ng/ul
RT: 21.78 min Scan# 3223
Delta R.T. -0.01 min
Lab File: BG020412.D
Acq: 22 Dec 2015 16:56

Tgt Ion: 228 Resp: 26207
Ion Ratio Lower Upper
228 100
226 27.7 23.9 35.9
229 20.6 15.6 23.4





#88

Benzo(b)fluoranthene

Concen: 1.58 ng/ul

RT: 23.96 min Scan# 3594

Delta R.T. -0.01 min

Lab File: BG020412.D

Acq: 22 Dec 2015 16:56

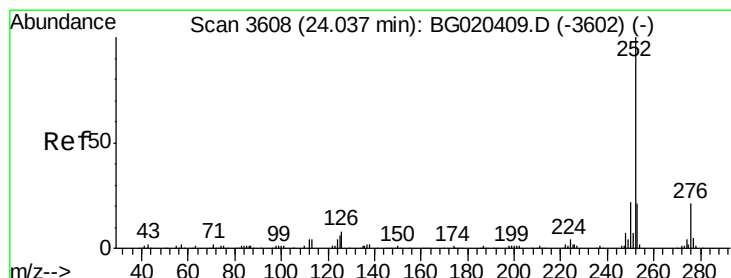
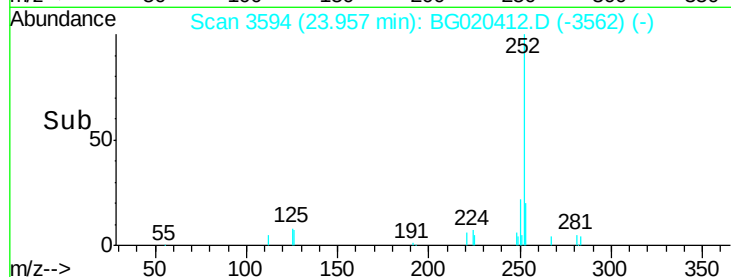
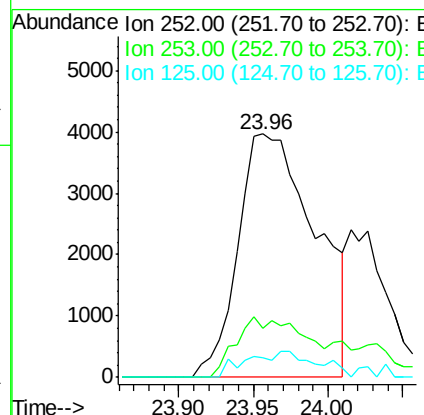
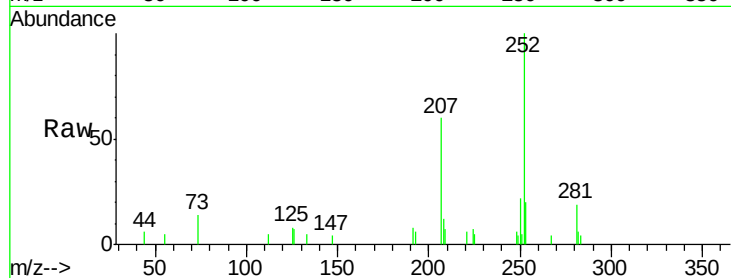
Instrument :

BNA_G

ClientSampleId :

D9N70DL

Tgt Ion:	252	Resp:	14307
Ion Ratio	Lower	Upper	
252	100		
253	20.3	16.7	25.1
125	8.2	6.2	9.2



#89

Benzo(k)fluoranthene

Concen: 1.64 ng/ul

RT: 23.96 min Scan# 3594

Delta R.T. -0.08 min

Lab File: BG020412.D

Acq: 22 Dec 2015 16:56

Tgt Ion:	252	Resp:	14307
Ion Ratio	Lower	Upper	
252	100		
253	20.3	17.9	26.9
125	8.2	5.8	8.6

