

Data Path : Z:\HPCHEM1\BNA_G\Data\BG122215\
 Data File : BG020441.D
 Acq On : 23 Dec 2015 13:30
 Operator : UM/SJ
 Sample : G4768-18DL 30X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N42DL

Quant Time: Dec 23 16:10:26 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 22 05:02:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	14653	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	67363	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.71	164	52629	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.46	188	139592	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	177489	20.00	ng/ul	-0.01
86) Perylene-d12	25.00	264	168485	20.00	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.24	99	255	0.20	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.41	67	374	0.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	451	0.48	ng/ul	-0.02
13) 4-Methylphenol-d8	8.79	113	376	0.34	ng/ul	-0.02
19) Nitrobenzene-d5	9.25	128	380	0.72	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.98	143	580	0.99	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	660	0.56	ng/ul	0.00
29) 4-Chloroaniline-d4	0.00	131	0	0.00	ng/ul	
44) Dimethylphthalate-d6	14.11	166	5788	1.36	ng/ul	-0.01
47) Acenaphthylene-d8	14.41	160	6592	1.33	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	5799	1.50	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.83	200	167	0.20	ng/ul	0.00
71) Anthracene-d10	17.56	188	9616	1.50	ng/ul	-0.01
79) Pyrene-d10	19.84	212	10434	1.26	ng/ul	-0.01
90) Benzo(a)pyrene-d12	24.77	264	10937	1.30	ng/ul	-0.02

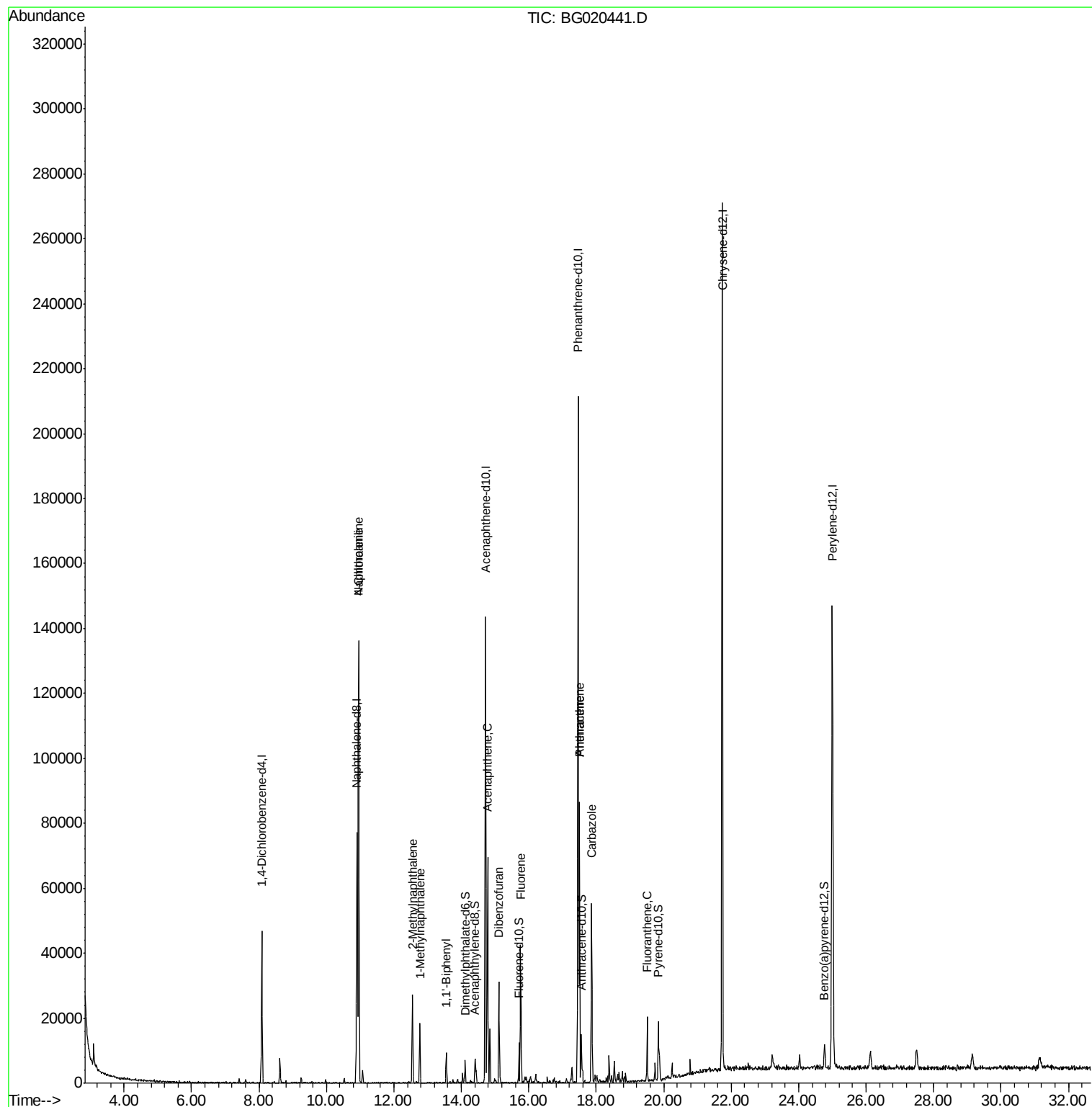
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Naphthalene	10.95	128	119984	34.11	ng/ul	99
30) 4-Chloroaniline	10.95	127	15764	11.62	ng/ul#	11
34) 2-Methylnaphthalene	12.55	142	13897	5.17	ng/ul	98
35) 1-Methylnaphthalene	12.77	142	9083	3.52	ng/ul#	94
41) 1,1'-Biphenyl	13.55	154	5955	1.50	ng/ul	89
50) Acenaphthene	14.78	153	31212	8.82	ng/ul	96
54) Dibenzofuran	15.11	168	21765	4.13	ng/ul	99
59) Fluorene	15.76	166	19913	4.71	ng/ul	99
70) Phenanthrene	17.50	178	59204	7.75	ng/ul	97
72) Anthracene	17.50	178	59204	7.64	ng/ul	99
75) Carbazole	17.86	167	40389	6.21	ng/ul	98
77) Fluoranthene	19.51	202	14022	1.57	ng/ul#	96

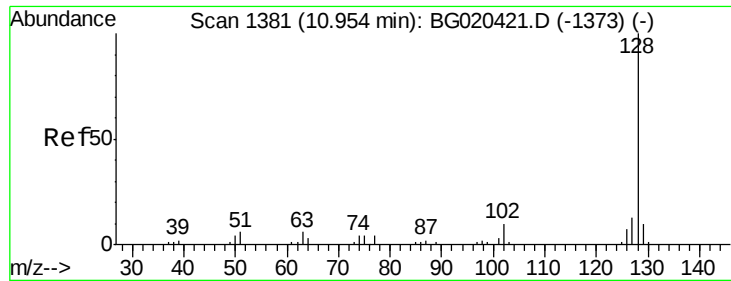
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#28

Naphthalene

Concen: 34.11 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. -0.01 min

Lab File: BG020441.D

Acq: 23 Dec 2015 13:30

Instrument :

BNA_G

ClientSampleId :

D9N42DL

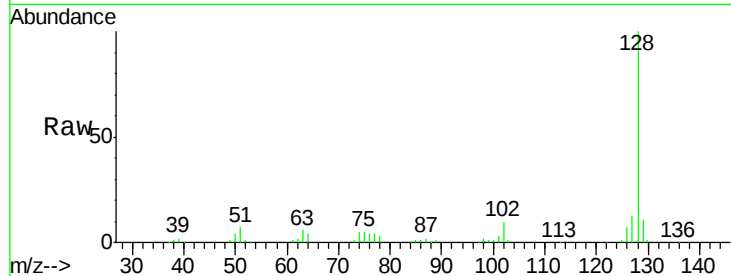
Tgt Ion:128 Resp: 119984

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

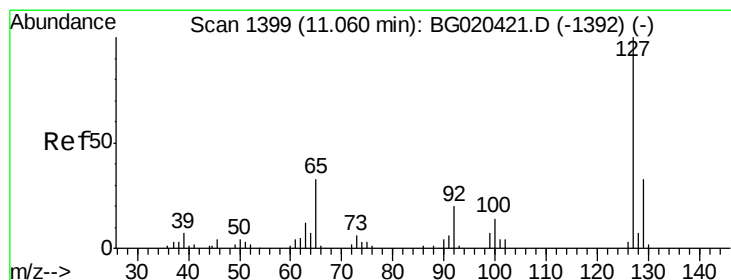
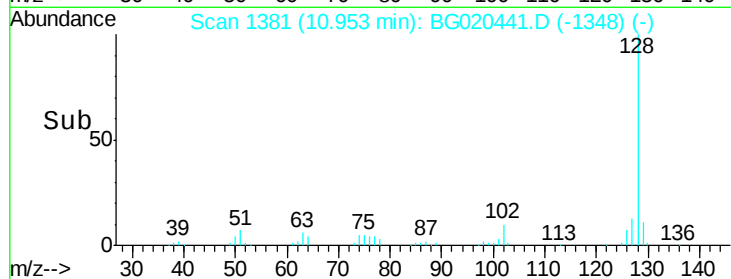
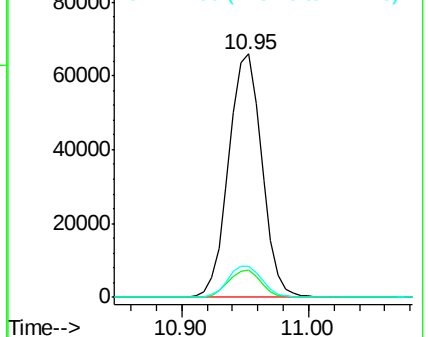
127 12.7 10.1 15.1



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



#30

4-Chloroaniline

Concen: 11.62 ng/ul

RT: 10.95 min Scan# 1380

Delta R.T. -0.12 min

Lab File: BG020441.D

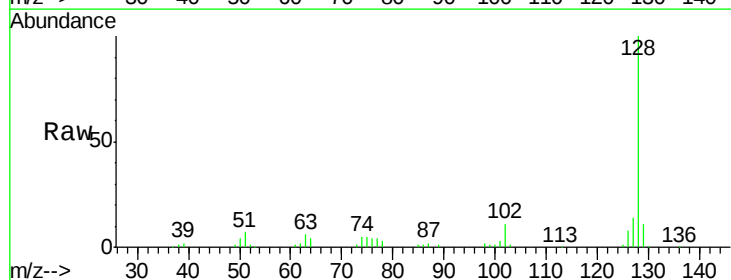
Acq: 23 Dec 2015 13:30

Tgt Ion:127 Resp: 15764

Ion Ratio Lower Upper

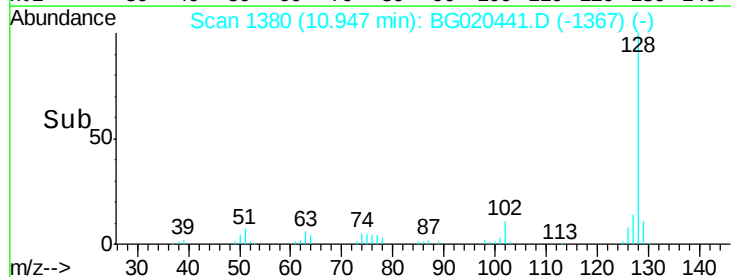
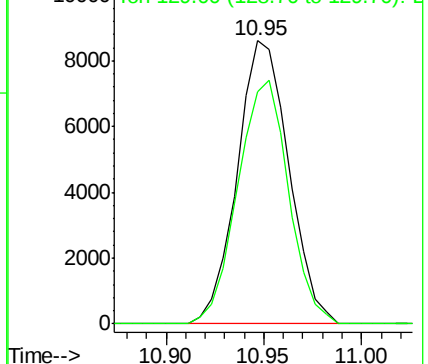
127 100

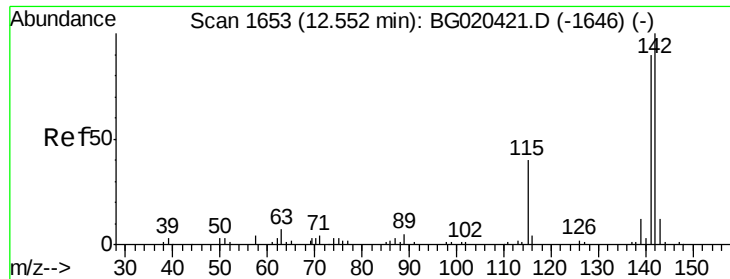
129 81.8 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

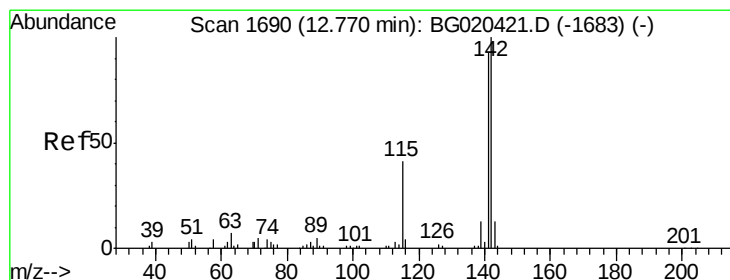
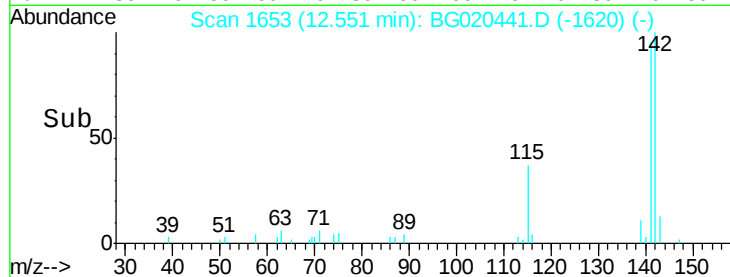
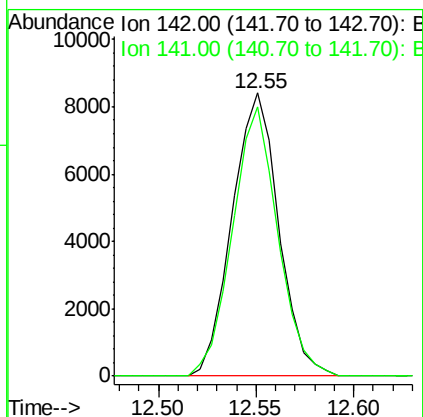
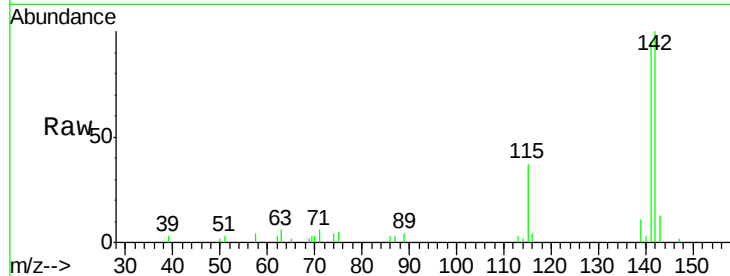




#34
2-Methylnaphthalene
Concen: 5.17 ng/ul
RT: 12.55 min Scan# 1653
Delta R.T. -0.01 min
Lab File: BG020441.D
Acq: 23 Dec 2015 13:30

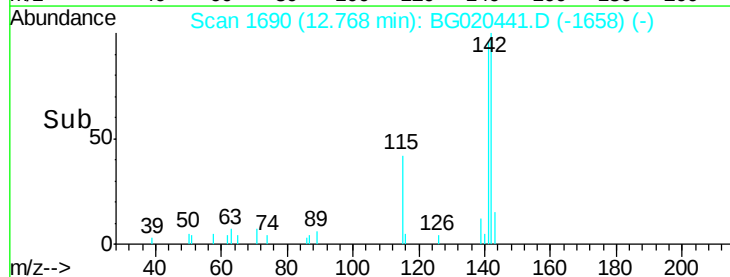
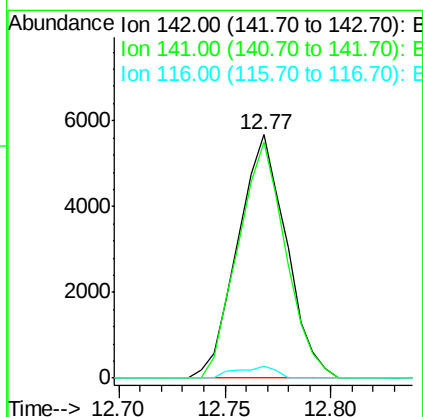
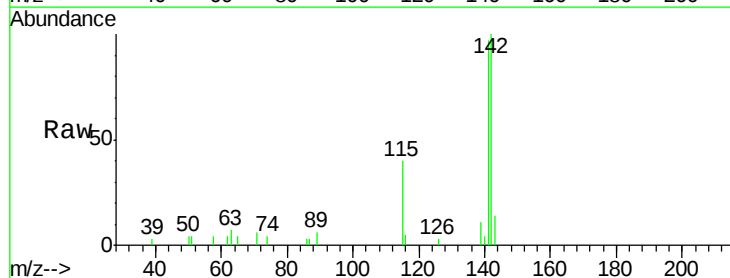
Instrument :
BNA_G
ClientSampleId :
D9N42DL

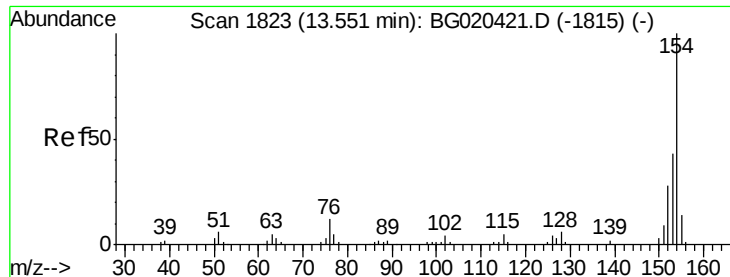
Tgt Ion:142 Resp: 13897
Ion Ratio Lower Upper
142 100
141 95.1 74.9 112.3



#35
1-Methylnaphthalene
Concen: 3.52 ng/ul
RT: 12.77 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BG020441.D
Acq: 23 Dec 2015 13:30

Tgt Ion:142 Resp: 9083
Ion Ratio Lower Upper
142 100
141 96.8 73.0 109.6
116 5.0 3.0 4.6#

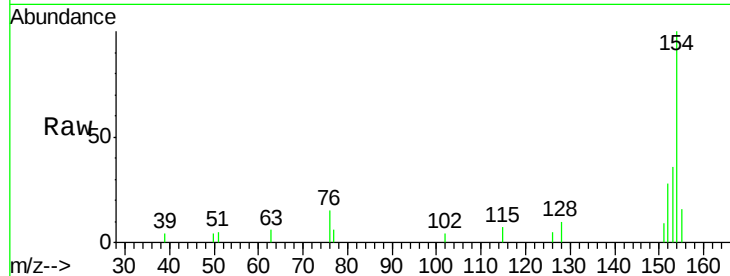




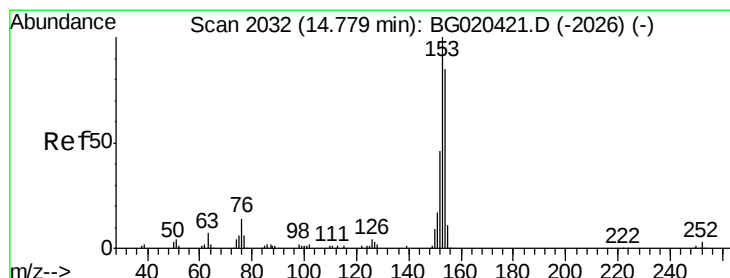
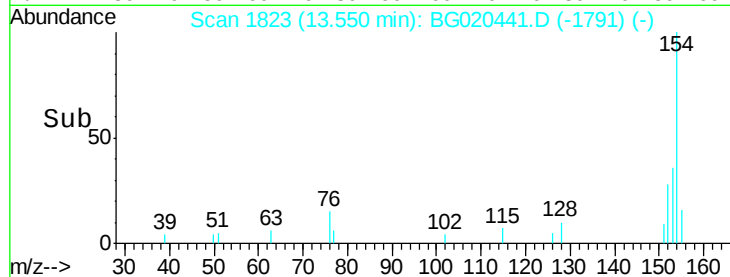
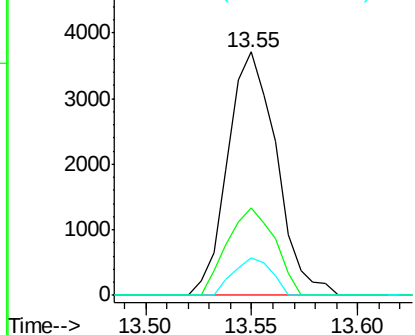
#41
 1,1'-Biphenyl
 Concen: 1.50 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. -0.01 min
 Lab File: BG020441.D
 Acq: 23 Dec 2015 13:30

Instrument :
 BNA_G
 ClientSampleId :
 D9N42DL

Tgt Ion:154 Resp: 5955
 Ion Ratio Lower Upper
 154 100
 153 35.9 35.5 53.3
 76 15.2 10.4 15.6

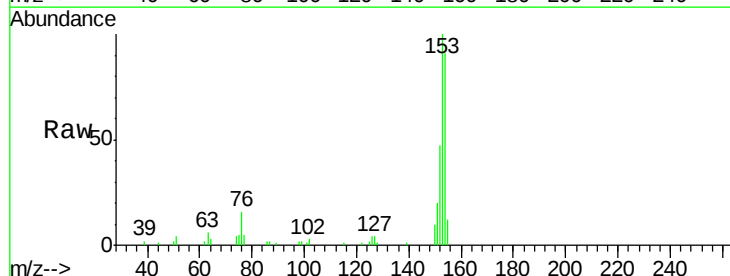


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

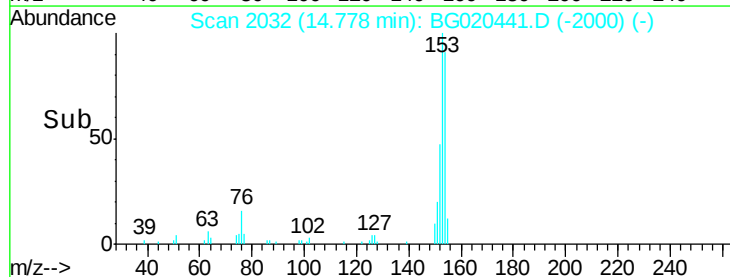
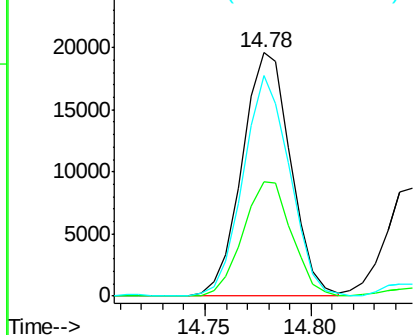


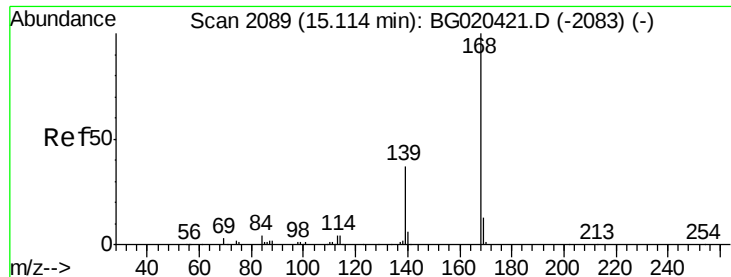
#50
 Acenaphthene
 Concen: 8.82 ng/ul
 RT: 14.78 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BG020441.D
 Acq: 23 Dec 2015 13:30

Tgt Ion:153 Resp: 31212
 Ion Ratio Lower Upper
 153 100
 152 46.9 37.6 56.4
 154 90.8 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: 4.13 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. -0.01 min

Lab File: BG020441.D

Acq: 23 Dec 2015 13:30

Instrument :

BNA_G

ClientSampleId :

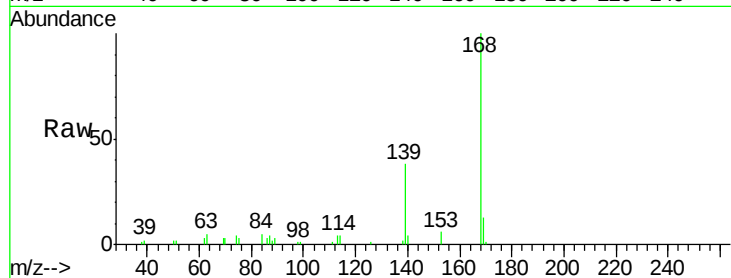
D9N42DL

Tgt Ion:168 Resp: 21765

Ion Ratio Lower Upper

168 100

139 38.5 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15000

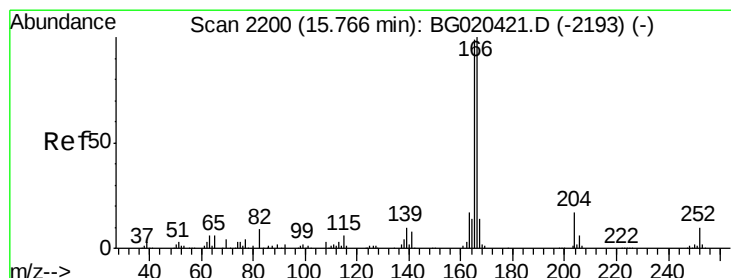
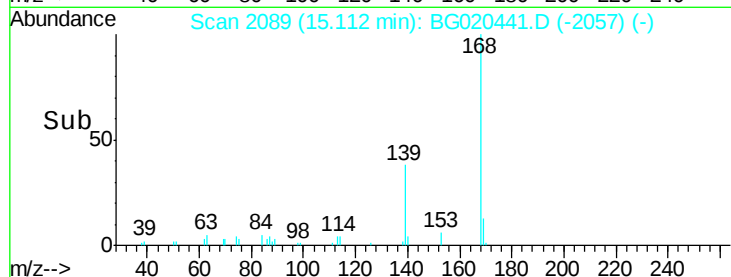
10000

5000

0

15.05 15.10 15.15

Time-->



#59

Fluorene

Concen: 4.71 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BG020441.D

Acq: 23 Dec 2015 13:30

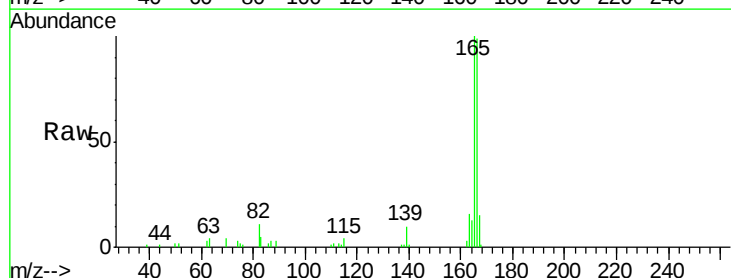
Tgt Ion:166 Resp: 19913

Ion Ratio Lower Upper

166 100

165 100.8 81.4 122.0

167 15.5 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

15000

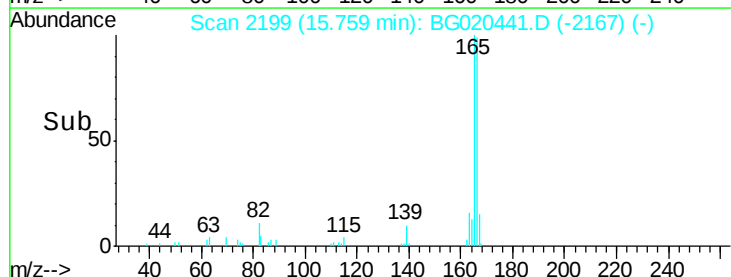
10000

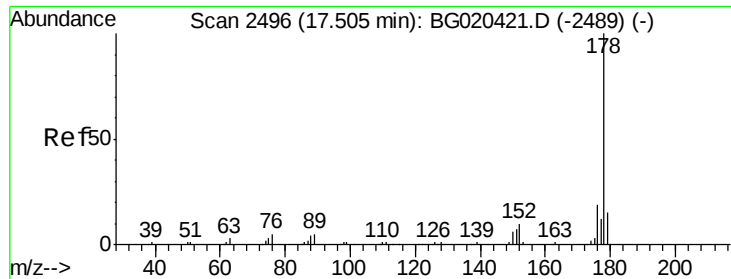
5000

0

15.70 15.75 15.80

Time-->





#70

Phenanthrene

Concen: 7.75 ng/ul

RT: 17.50 min Scan# 2496

Delta R.T. -0.01 min

Lab File: BG020441.D

Acq: 23 Dec 2015 13:30

Instrument :

BNA_G

ClientSampleId :

D9N42DL

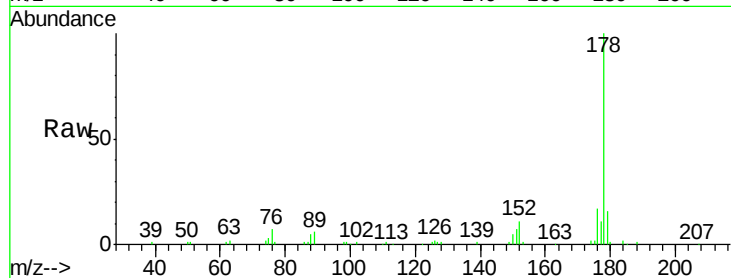
Tgt Ion:178 Resp: 59204

Ion Ratio Lower Upper

178 100

179 15.7 12.9 19.3

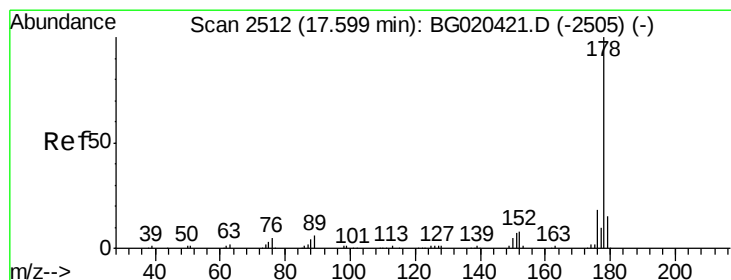
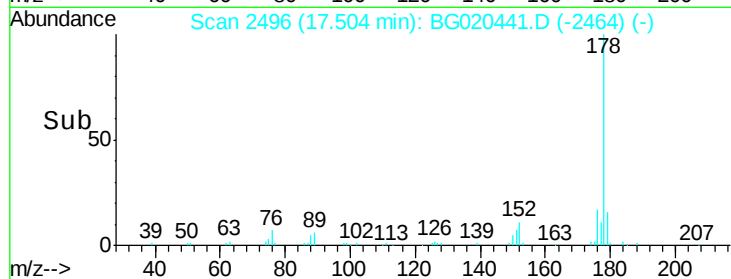
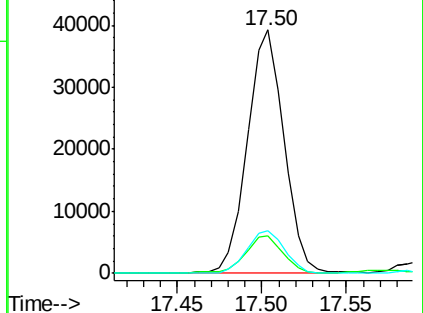
176 17.4 15.3 22.9



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: 7.64 ng/ul

RT: 17.50 min Scan# 2496

Delta R.T. -0.10 min

Lab File: BG020441.D

Acq: 23 Dec 2015 13:30

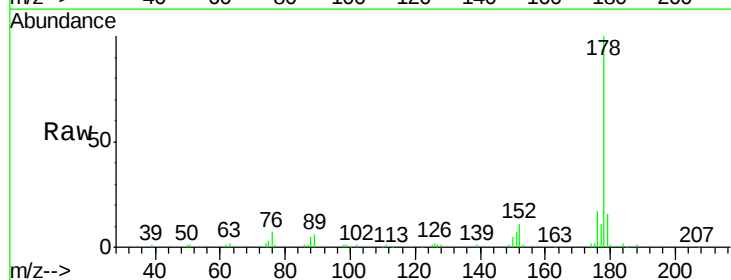
Tgt Ion:178 Resp: 59204

Ion Ratio Lower Upper

178 100

179 15.7 12.3 18.5

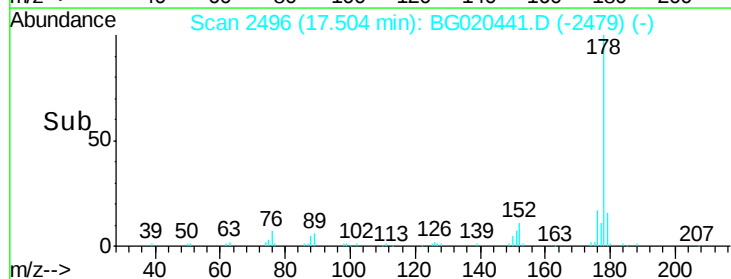
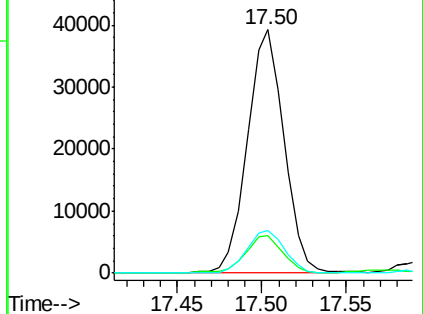
176 17.4 14.3 21.5

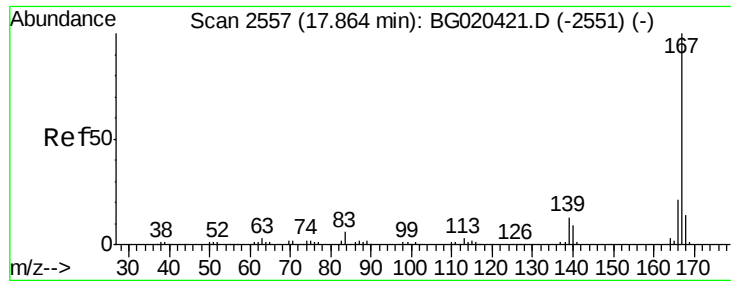


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

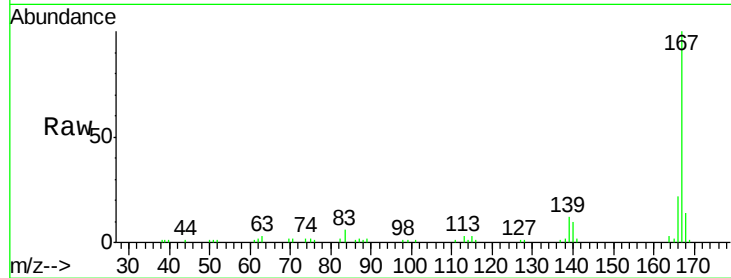




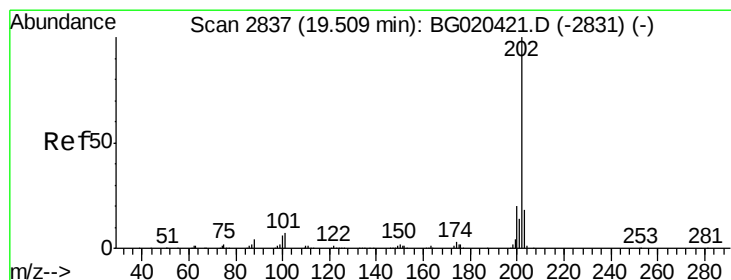
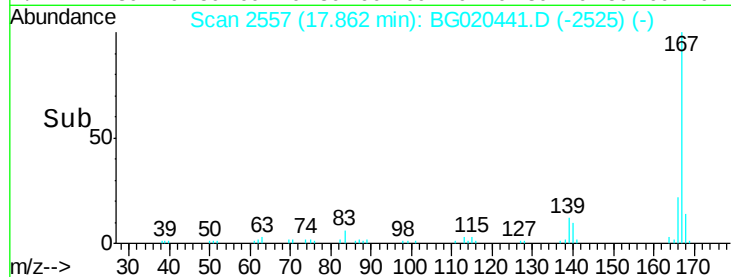
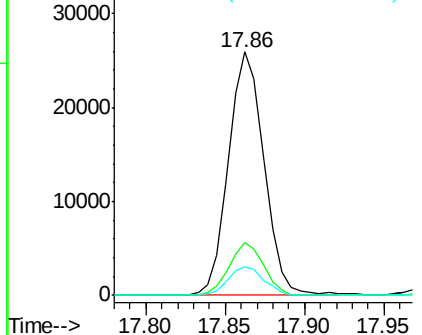
#75
 Carbazole
 Concen: 6.21 ng/ul
 RT: 17.86 min Scan# 2557
 Delta R.T. -0.01 min
 Lab File: BG020441.D
 Acq: 23 Dec 2015 13:30

Instrument :
 BNA_G
 ClientSampleId :
 D9N42DL

Tgt Ion:167 Resp: 40389
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.0 25.6
 139 11.7 10.1 15.1

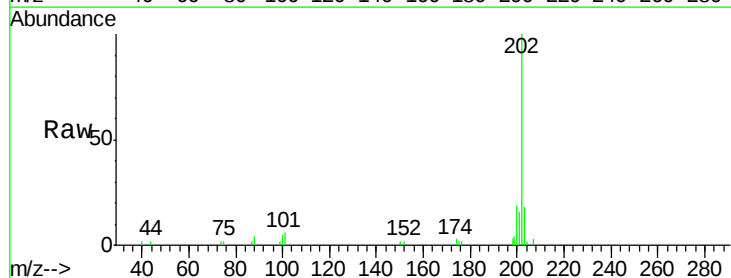


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E



#77
 Fluoranthene
 Concen: 1.57 ng/ul
 RT: 19.51 min Scan# 2837
 Delta R.T. -0.01 min
 Lab File: BG020441.D
 Acq: 23 Dec 2015 13:30

Tgt Ion:202 Resp: 14022
 Ion Ratio Lower Upper
 202 100
 101 5.9 6.2 9.4#
 100 5.3 5.1 7.7



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

