

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
 Data File : BG020263.D
 Acq On : 18 Dec 2015 2:42
 Operator : UM/SJ
 Sample : G4767-21DL 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N43DL

Quant Time: Dec 18 07:48:20 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 18 02:40:02 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	16193	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	66655	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	49395	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	134073	20.00	ng/ul	0.00
78) Chrysene-d12	21.75	240	181596	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	175942	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.24	99	3655	2.56	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	2450	2.88	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	2920	2.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	3096	2.54	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	1589	3.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	1820	3.15	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	3363	2.87	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	4519	3.44	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	13687	3.43	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	13494	2.90	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	1314	1.83	ng/ul	0.00
58) Fluorene-d10	15.71	176	10517	2.90	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	906	1.14	ng/ul	0.00
71) Anthracene-d10	17.57	188	18618	3.01	ng/ul	0.00
79) Pyrene-d10	19.85	212	22248	2.63	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	23291	2.65	ng/ul	0.00

Target Compounds

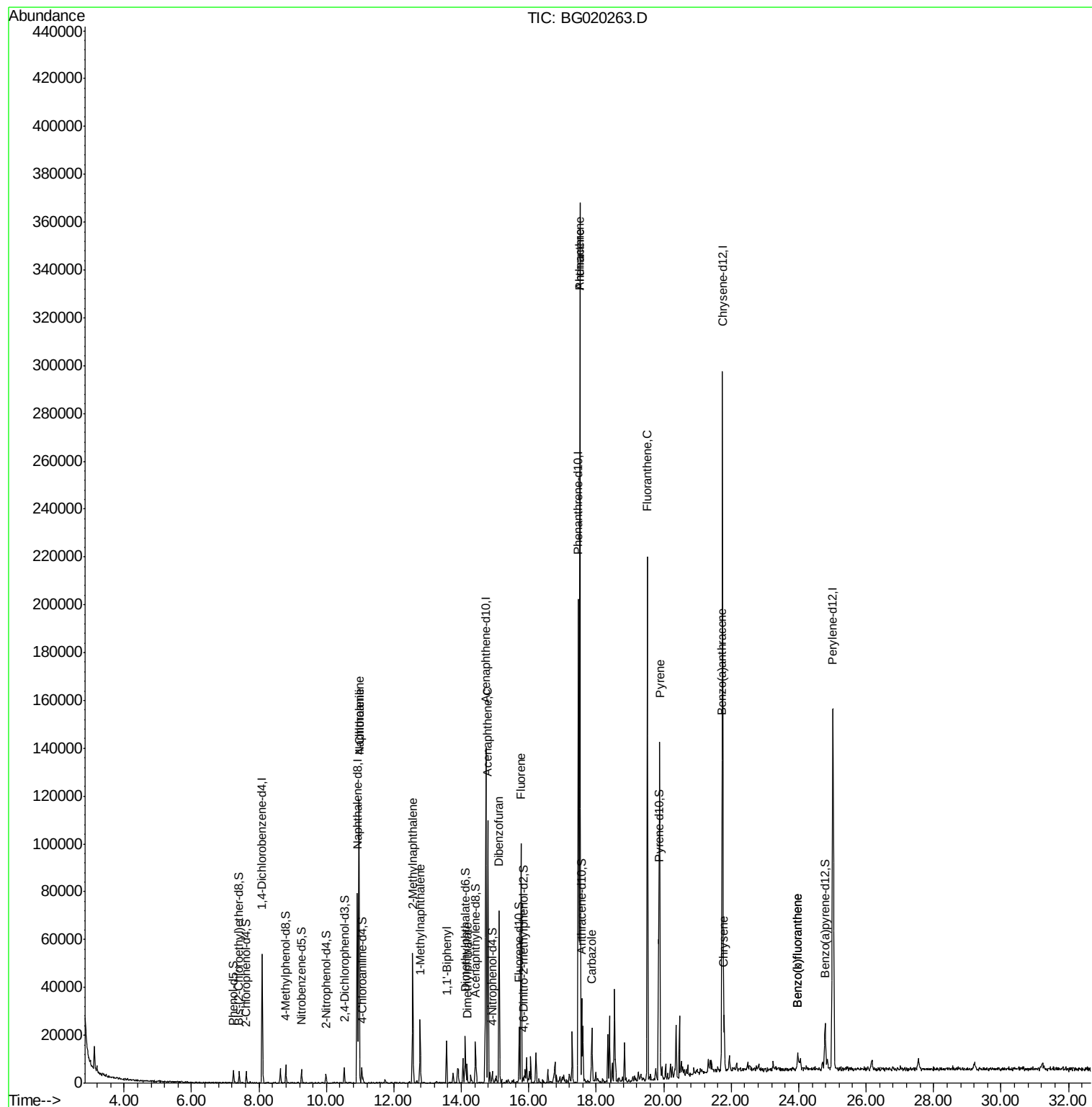
						Qvalue
28) Naphthalene	10.96	128	103325	29.68	ng/ul	97
30) 4-Chloroaniline	10.96	127	14111	10.51	ng/ul#	29
34) 2-Methylnaphthalene	12.56	142	27315	10.27	ng/ul	92
35) 1-Methylnaphthalene	12.78	142	12600	4.93	ng/ul#	92
41) 1,1'-Biphenyl	13.56	154	10257	2.75	ng/ul	96
45) Dimethylphthalate	14.17	163	6368	1.56	ng/ul	96
50) Acenaphthene	14.79	153	46747	14.07	ng/ul	99
54) Dibenzofuran	15.12	168	50425	10.20	ng/ul	100
59) Fluorene	15.77	166	46946	11.83	ng/ul	98
70) Phenanthrene	17.52	178	238004	32.45	ng/ul	98
72) Anthracene	17.52	178	238004	32.00	ng/ul	99
75) Carbazole	17.87	167	17185	2.75	ng/ul	99
77) Fluoranthene	19.52	202	149402	17.43	ng/ul	97
80) Pyrene	19.88	202	101275	9.21	ng/ul	98
83) Benzo(a)anthracene	21.72	228	24140	2.28	ng/ul	99
85) Chrysene	21.79	228	20527	2.06	ng/ul	95
88) Benzo(b)fluoranthene	23.97	252	10721	1.01	ng/ul#	89
89) Benzo(k)fluoranthene	23.97	252	10721	1.06	ng/ul#	87

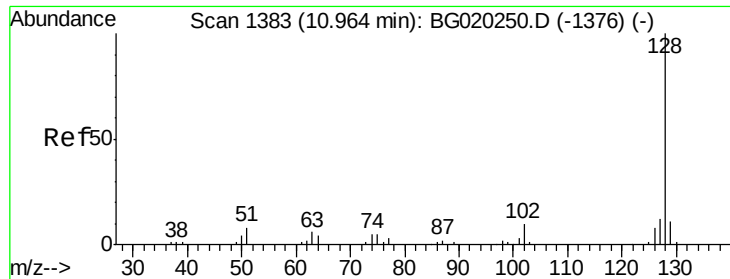
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 29.68 ng/ul

RT: 10.96 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BG020263.D

Acq: 18 Dec 2015 2:42

Instrument :

BNA_G

ClientSampleId :

D9N43DL

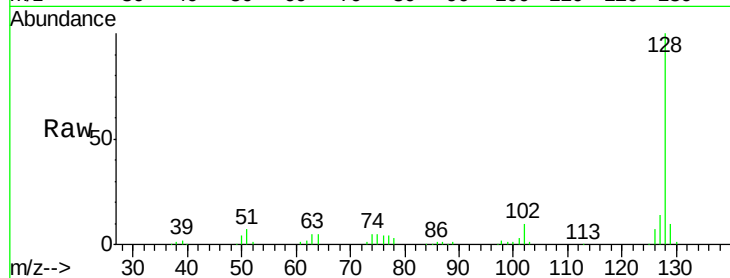
Tgt Ion:128 Resp: 103325

Ion Ratio Lower Upper

128 100

129 10.3 8.6 12.8

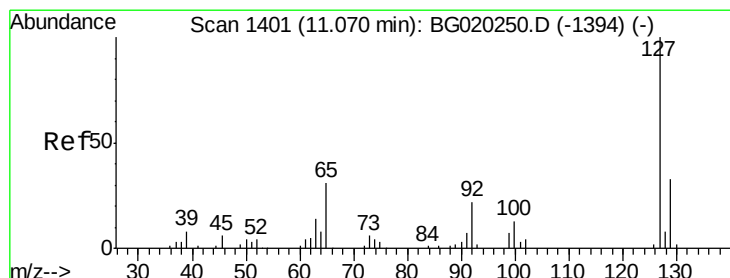
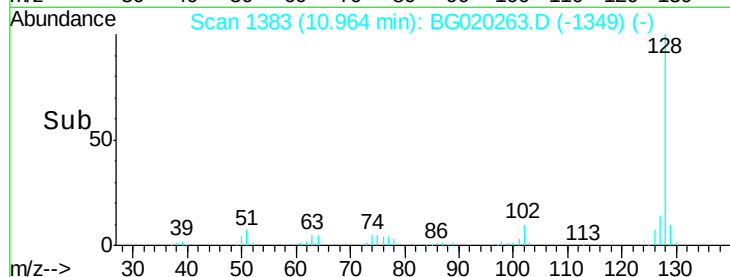
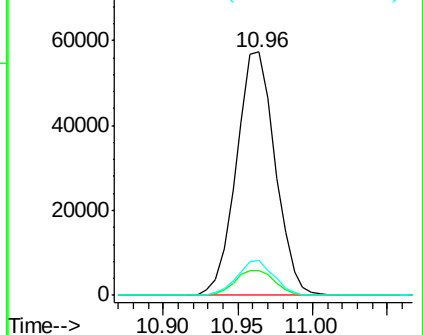
127 14.4 10.1 15.1



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



#30

4-Chloroaniline

Concen: 10.51 ng/ul

RT: 10.96 min Scan# 1383

Delta R.T. -0.11 min

Lab File: BG020263.D

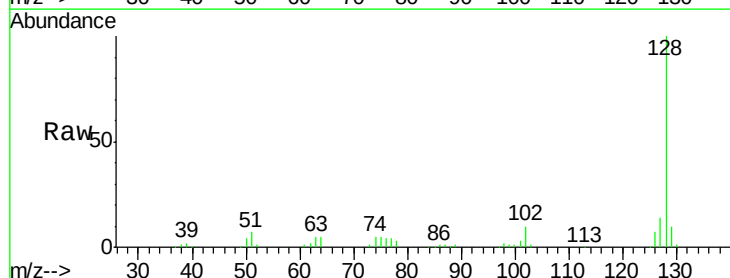
Acq: 18 Dec 2015 2:42

Tgt Ion:127 Resp: 14111

Ion Ratio Lower Upper

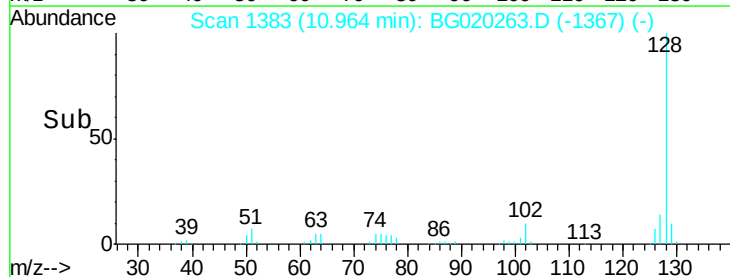
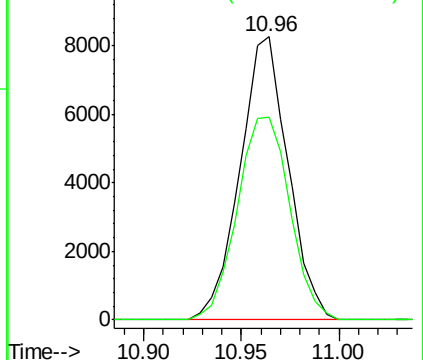
127 100

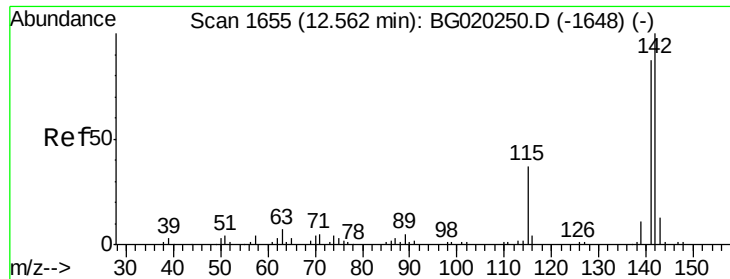
129 71.6 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

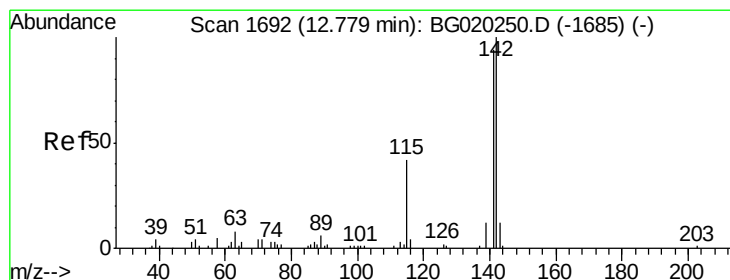
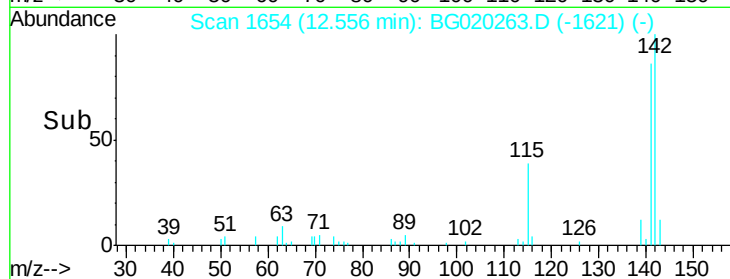
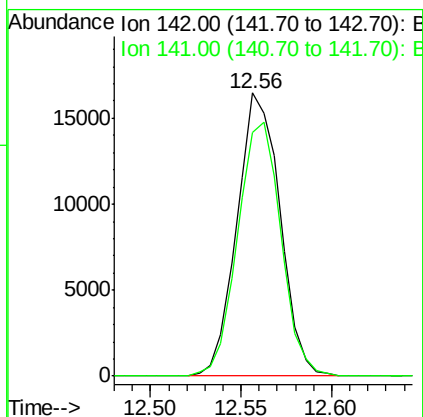
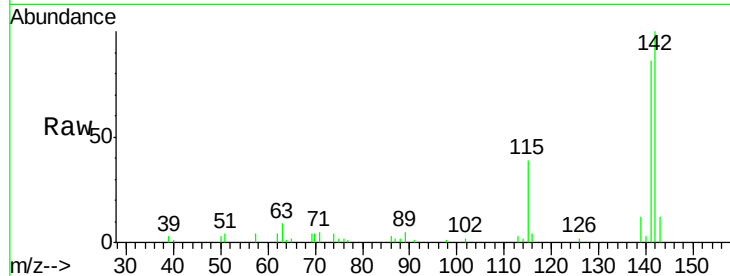




#34
 2-Methylnaphthalene
 Concen: 10.27 ng/ul
 RT: 12.56 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BG020263.D
 Acq: 18 Dec 2015 2:42

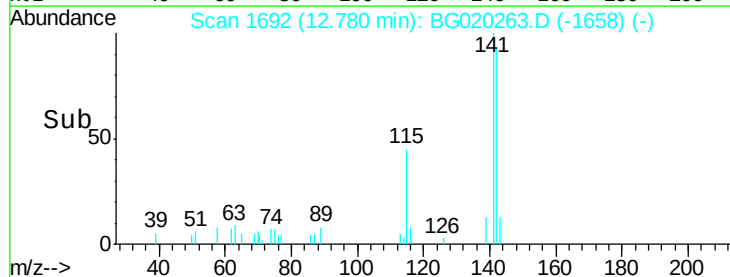
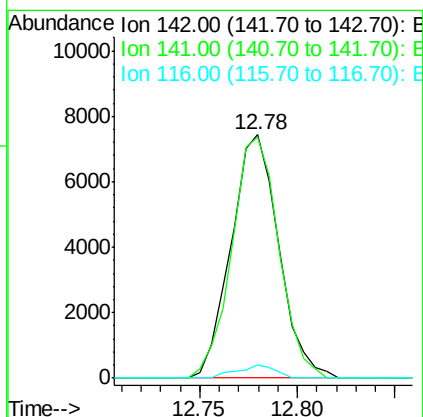
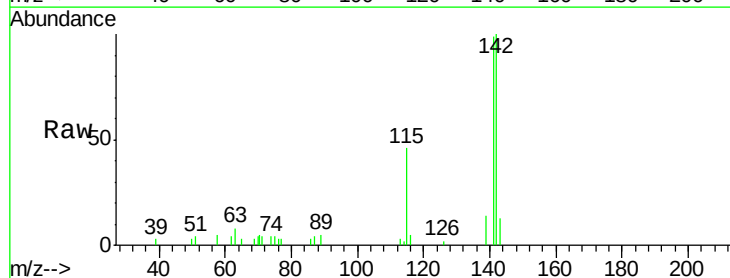
Instrument :
 BNA_G
 ClientSampleId :
 D9N43DL

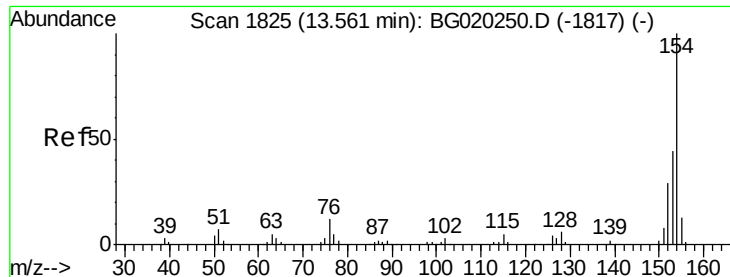
Tgt Ion:142 Resp: 27315
 Ion Ratio Lower Upper
 142 100
 141 86.0 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 4.93 ng/ul
 RT: 12.78 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: BG020263.D
 Acq: 18 Dec 2015 2:42

Tgt Ion:142 Resp: 12600
 Ion Ratio Lower Upper
 142 100
 141 99.2 73.0 109.6
 116 5.2 3.0 4.6#

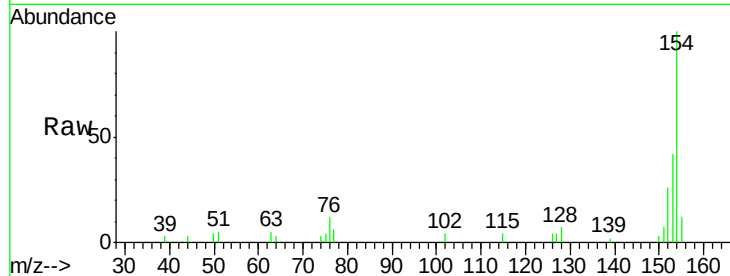




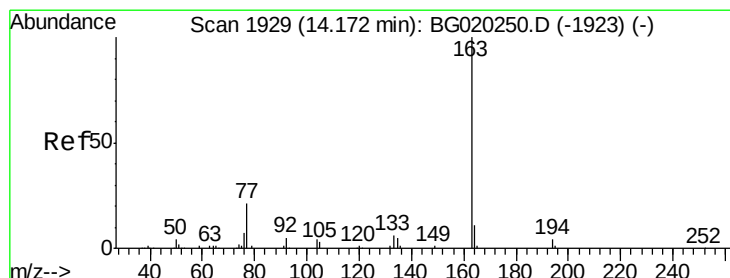
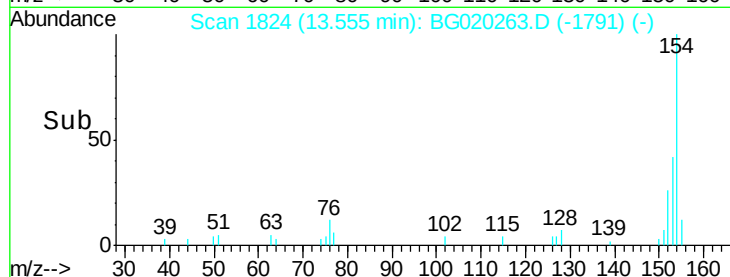
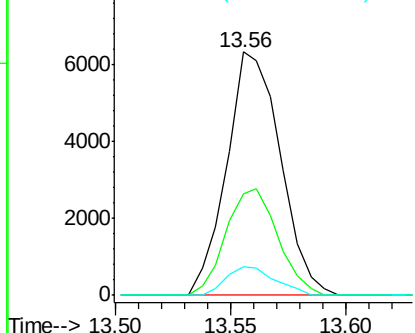
#41
 1,1'-Biphenyl
 Concen: 2.75 ng/ul
 RT: 13.56 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BG020263.D
 Acq: 18 Dec 2015 2:42

Instrument :
 BNA_G
 ClientSampleId :
 D9N43DL

Tgt Ion:154 Resp: 10257
 Ion Ratio Lower Upper
 154 100
 153 41.7 35.5 53.3
 76 11.7 10.4 15.6

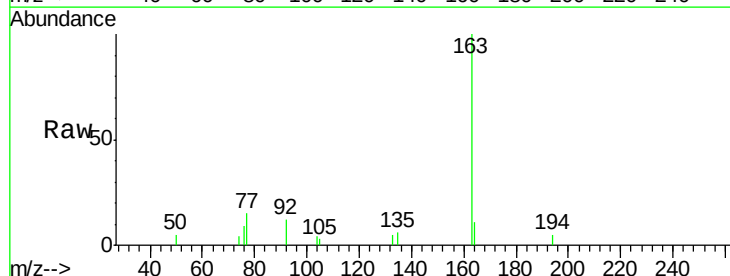


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

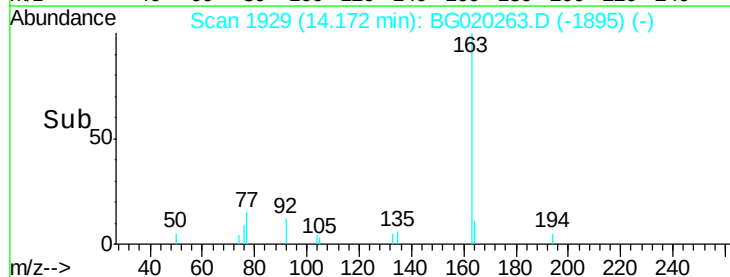
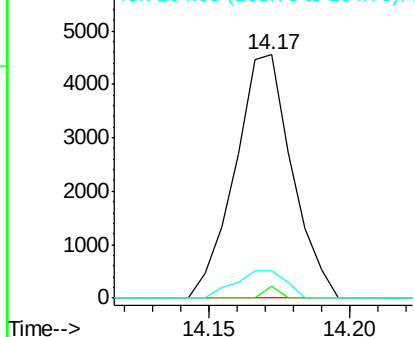


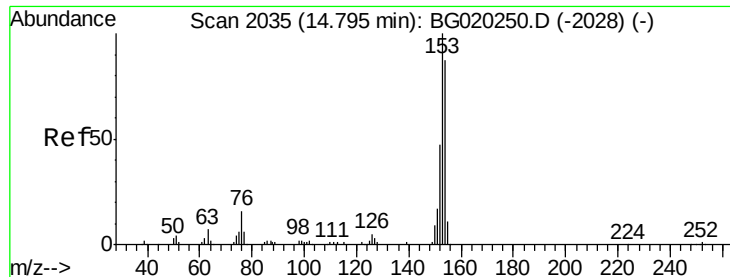
#45
 Dimethylphthalate
 Concen: 1.56 ng/ul
 RT: 14.17 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: BG020263.D
 Acq: 18 Dec 2015 2:42

Tgt Ion:163 Resp: 6368
 Ion Ratio Lower Upper
 163 100
 194 4.9 3.5 5.3
 164 11.3 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: 14.07 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BG020263.D

Acq: 18 Dec 2015 2:42

Instrument :

BNA_G

ClientSampleId :

D9N43DL

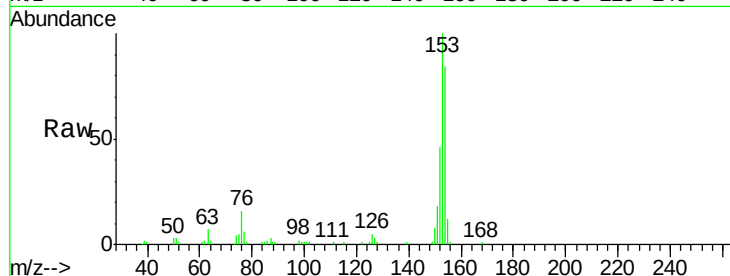
Tgt Ion:153 Resp: 46747

Ion Ratio Lower Upper

153 100

152 45.8 37.6 56.4

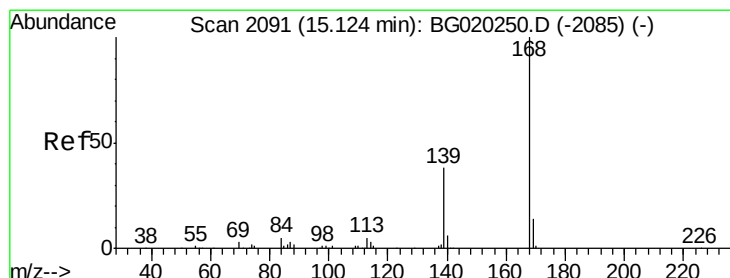
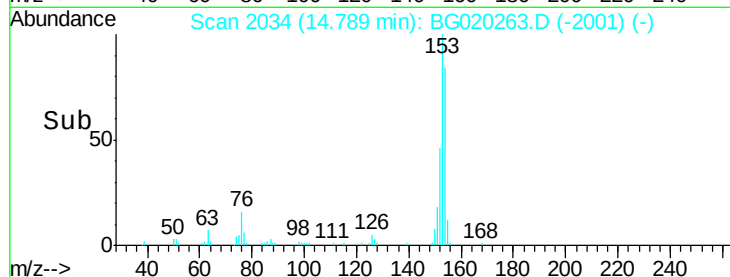
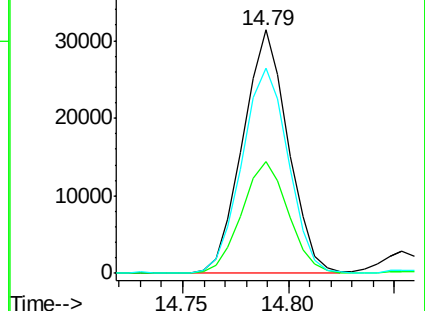
154 84.3 67.9 101.9



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: 10.20 ng/ul

RT: 15.12 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BG020263.D

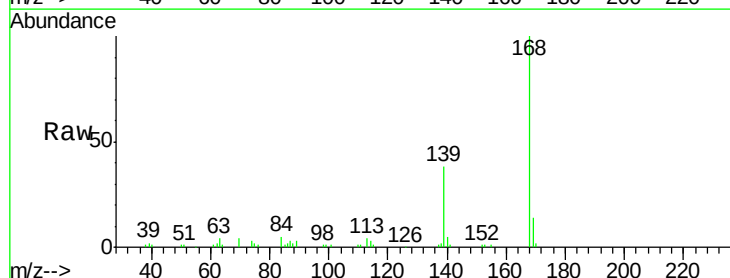
Acq: 18 Dec 2015 2:42

Tgt Ion:168 Resp: 50425

Ion Ratio Lower Upper

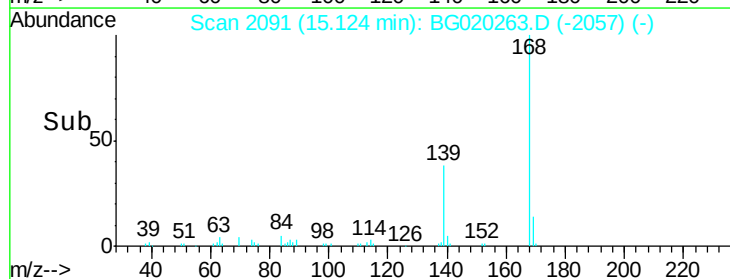
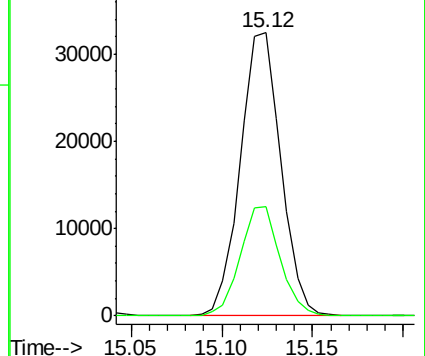
168 100

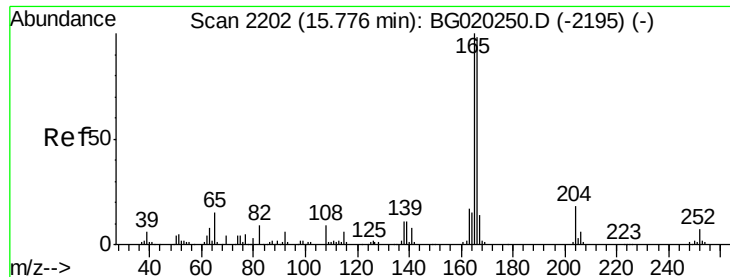
139 38.4 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 11.83 ng/ul

RT: 15.77 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG020263.D

Acq: 18 Dec 2015 2:42

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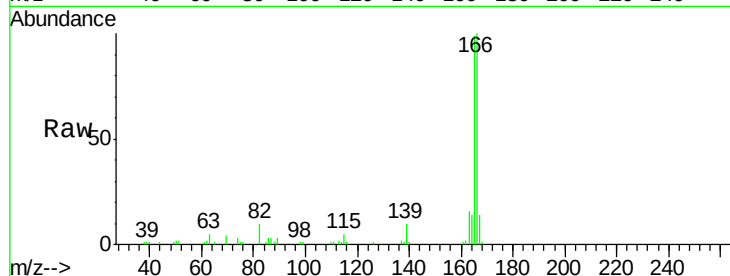
Tgt Ion:166 Resp: 46946

Ion Ratio Lower Upper

166 100

165 99.0 81.4 122.0

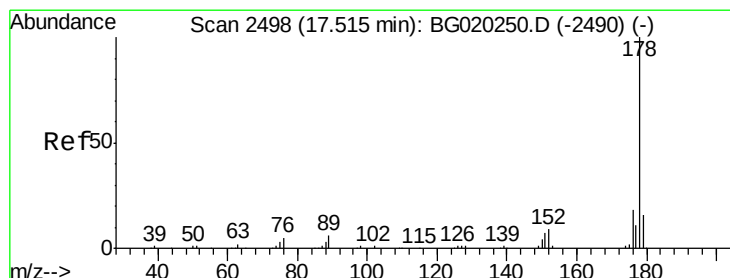
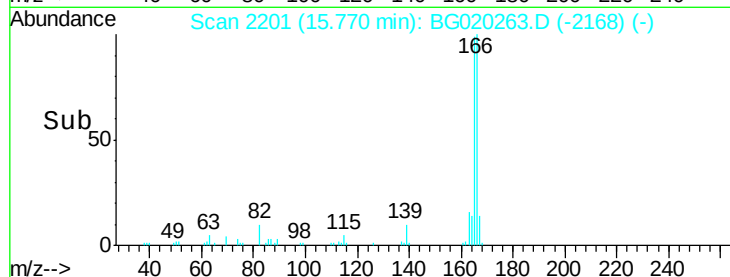
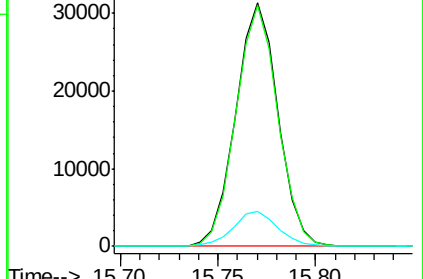
167 14.5 11.2 16.8



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



#70

Phenanthrene

Concen: 32.45 ng/ul

RT: 17.52 min Scan# 2498

Delta R.T. 0.00 min

Lab File: BG020263.D

Acq: 18 Dec 2015 2:42

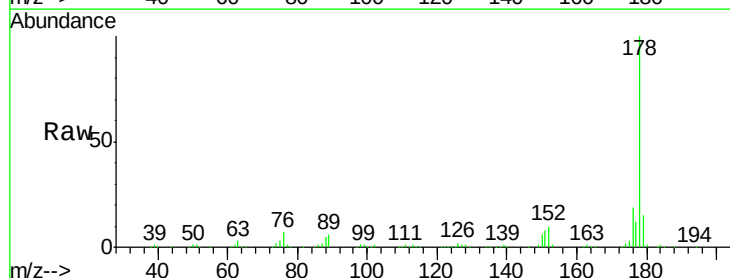
Tgt Ion:178 Resp: 238004

Ion Ratio Lower Upper

178 100

179 15.3 12.9 19.3

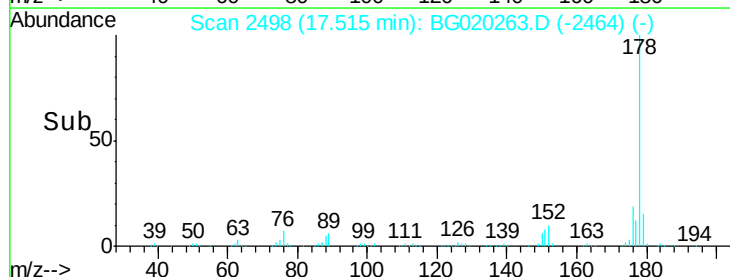
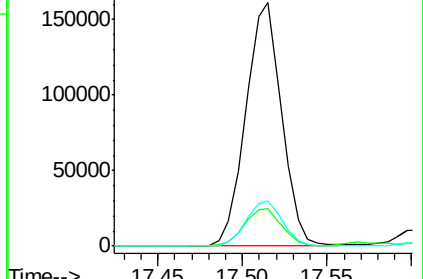
176 18.5 15.3 22.9

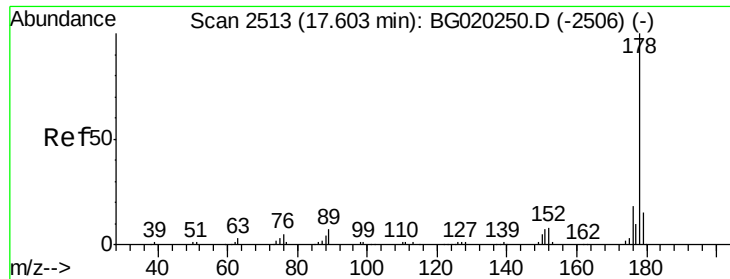


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 32.00 ng/ul

RT: 17.52 min Scan# 2498

Delta R.T. -0.09 min

Lab File: BG020263.D

Acq: 18 Dec 2015 2:42

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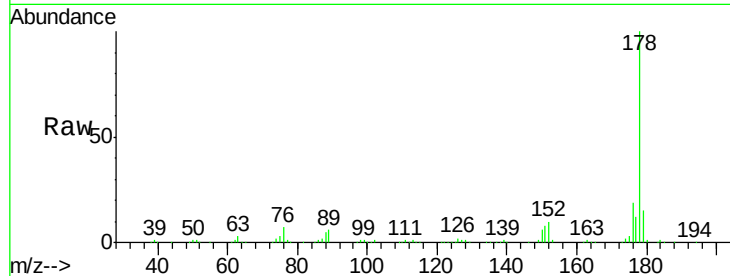
Tgt Ion:178 Resp: 238004

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

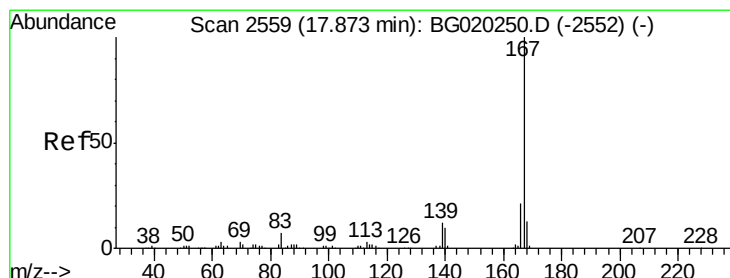
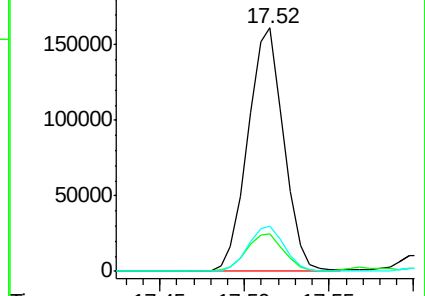
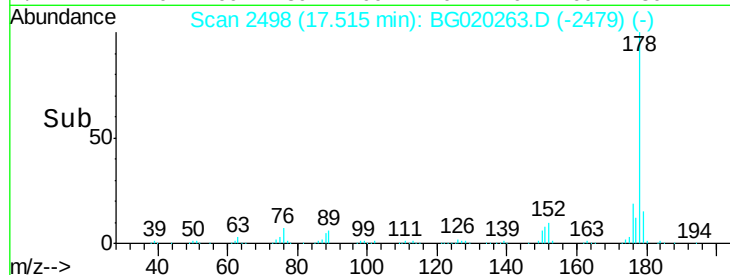
176 18.5 14.3 21.5



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: 2.75 ng/ul

RT: 17.87 min Scan# 2559

Delta R.T. 0.00 min

Lab File: BG020263.D

Acq: 18 Dec 2015 2:42

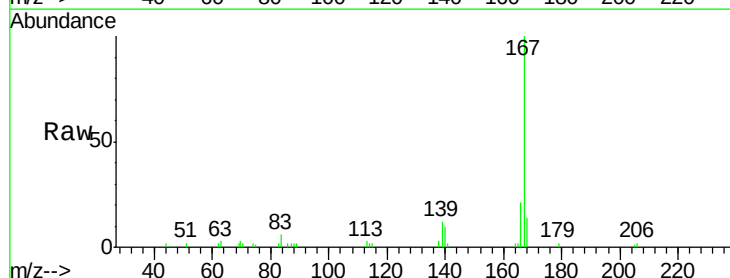
Tgt Ion:167 Resp: 17185

Ion Ratio Lower Upper

167 100

166 20.9 17.0 25.6

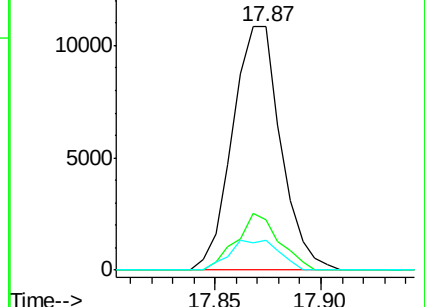
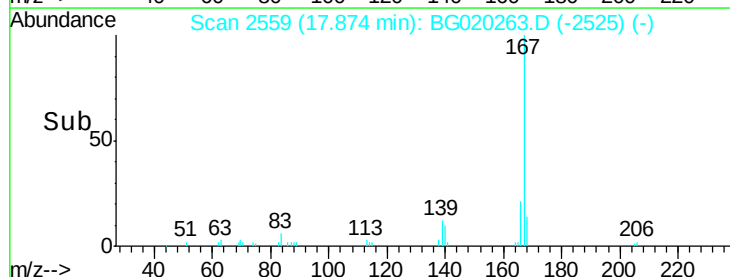
139 12.4 10.1 15.1

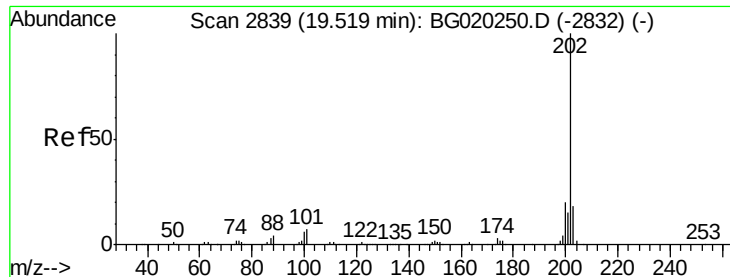


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

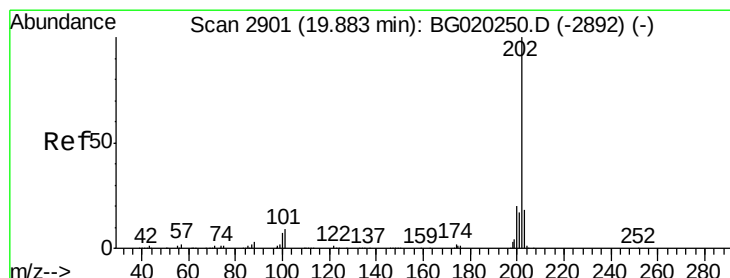
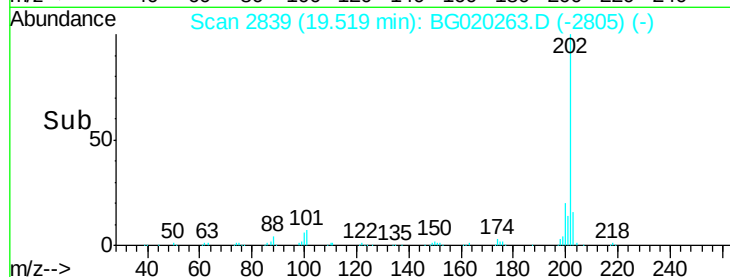
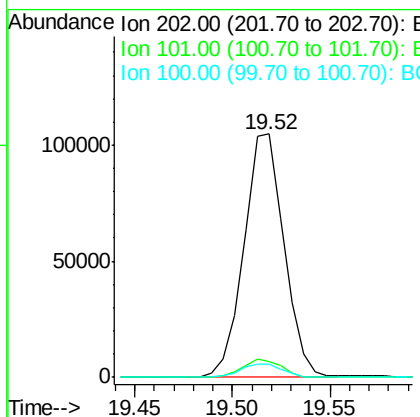
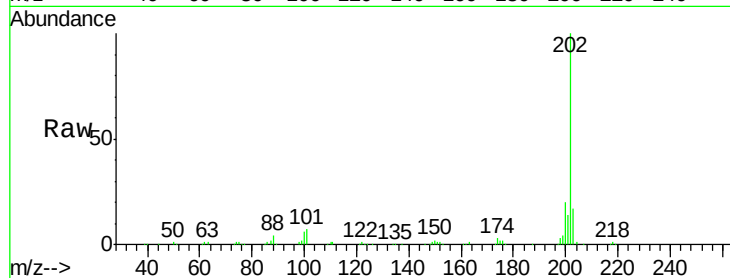




#77
Fluoranthene
Concen: 17.43 ng/ul
RT: 19.52 min Scan# 2839
Delta R.T. 0.00 min
Lab File: BG020263.D
Acq: 18 Dec 2015 2:42

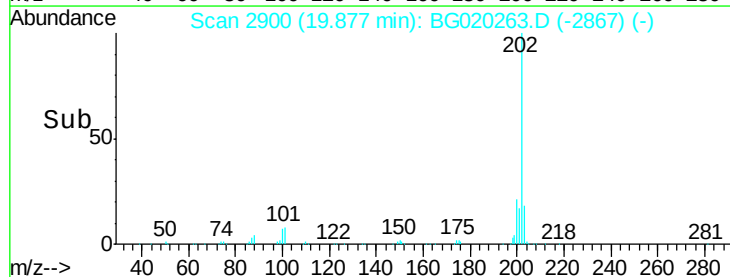
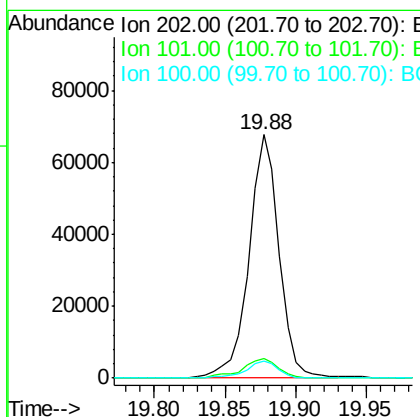
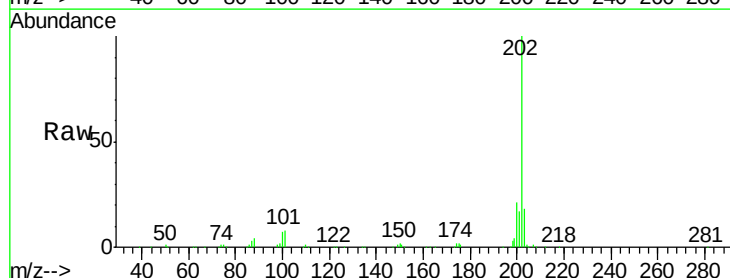
Instrument :
BNA_G
ClientSampleId :
D9N43DL

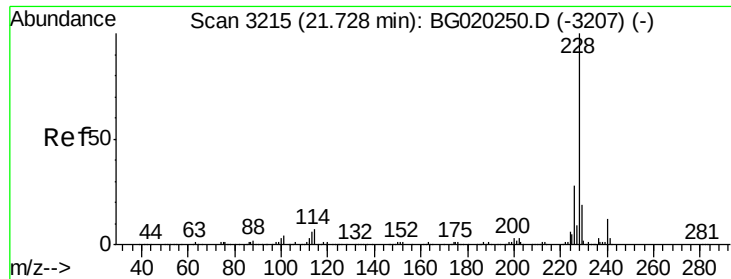
Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.7	6.2	9.4
100	5.7	5.1	7.7



#80
Pyrene
Concen: 9.21 ng/ul
RT: 19.88 min Scan# 2900
Delta R.T. -0.01 min
Lab File: BG020263.D
Acq: 18 Dec 2015 2:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	7.0	10.4
100	7.0	6.4	9.6

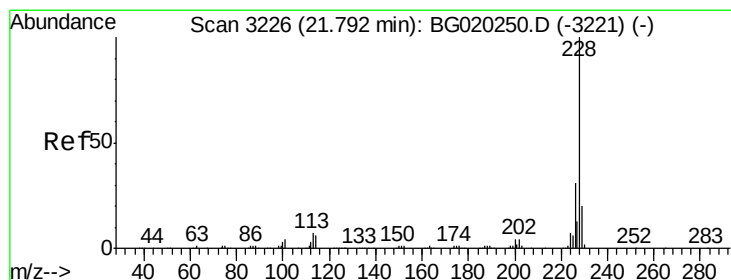
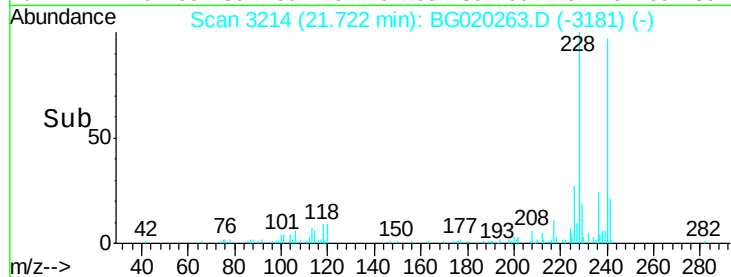
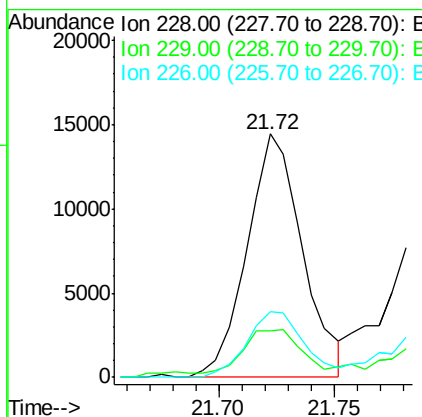
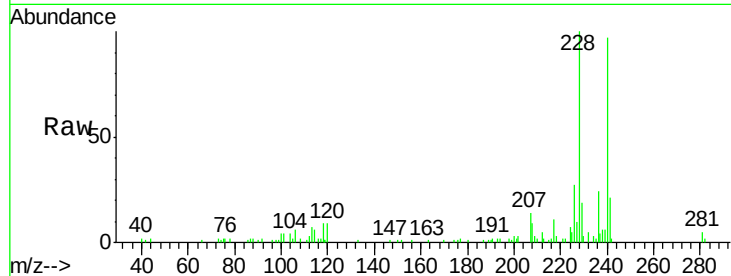




#83
Benzo(a)anthracene
Concen: 2.28 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. -0.01 min
Lab File: BG020263.D
Acq: 18 Dec 2015 2:42

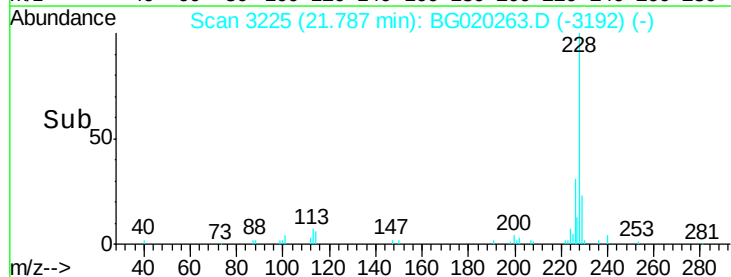
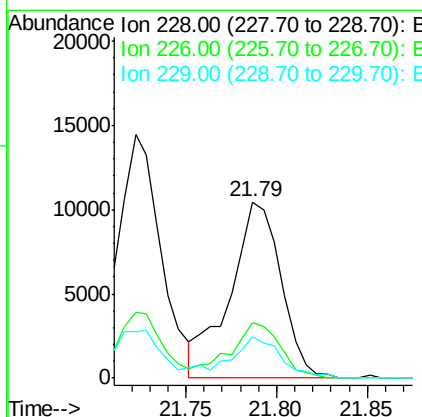
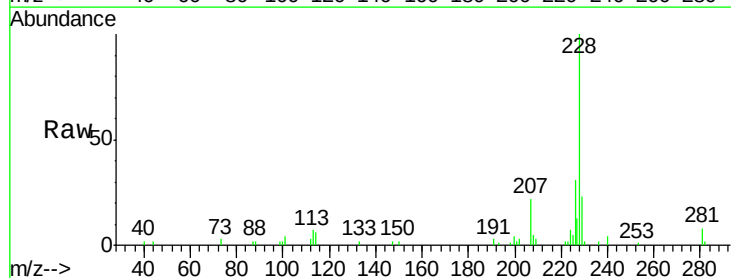
Instrument :
BNA_G
ClientSampleId :
D9N43DL

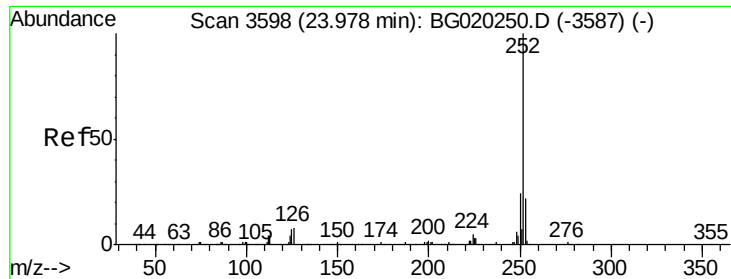
Tgt Ion:	228	Resp:	24140
Ion	Ratio	Lower	Upper
228	100		
229	18.9	15.8	23.8
226	27.1	21.8	32.6



#85
Chrysene
Concen: 2.06 ng/ul
RT: 21.79 min Scan# 3225
Delta R.T. -0.01 min
Lab File: BG020263.D
Acq: 18 Dec 2015 2:42

Tgt Ion:	228	Resp:	20527
Ion	Ratio	Lower	Upper
228	100		
226	31.4	23.9	35.9
229	23.2	15.6	23.4





#88

Benzo(b)fluoranthene

Concen: 1.01 ng/ul

RT: 23.97 min Scan# 3597

Delta R.T. -0.01 min

Lab File: BG020263.D

Acq: 18 Dec 2015 2:42

Instrument :

BNA_G

ClientSampleId :

D9N43DL

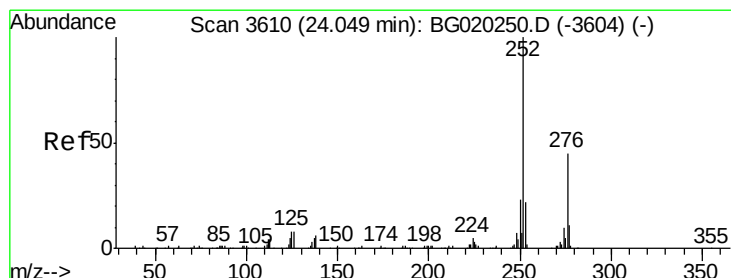
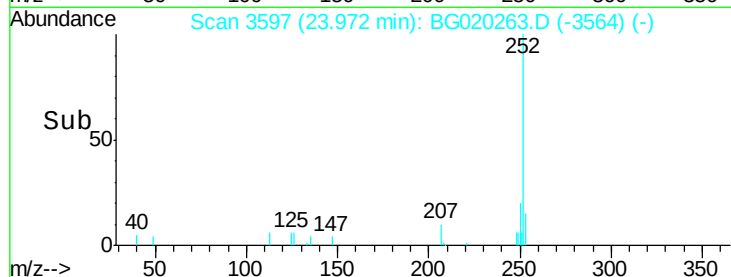
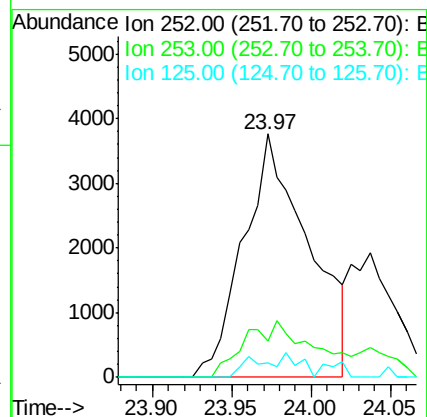
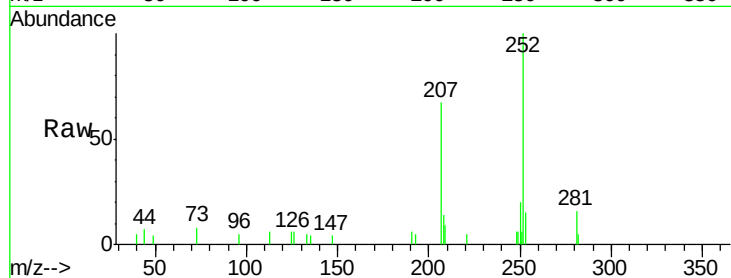
Tgt Ion:252 Resp: 10721

Ion Ratio Lower Upper

252 100

253 14.7 16.7 25.1#

125 6.2 6.2 9.2



#89

Benzo(k)fluoranthene

Concen: 1.06 ng/ul

RT: 23.97 min Scan# 3597

Delta R.T. -0.08 min

Lab File: BG020263.D

Acq: 18 Dec 2015 2:42

Tgt Ion:252 Resp: 10721

Ion Ratio Lower Upper

252 100

253 14.7 17.9 26.9#

125 6.2 5.8 8.6

