

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
 Data File : BG020257.D
 Acq On : 17 Dec 2015 22:29
 Operator : UM/SJ
 Sample : G4767-13DL 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N35DL

Quant Time: Dec 18 02:44:35 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	8.10	152	17416	20.00	ng/ul	0.00
18) Naphthalene-d8	10.91	136	75788	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.73	164	56001	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	145860	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	183583	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	176663	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	2030	1.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	1454	1.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.63	132	1833	1.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	1945	1.48	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	846	1.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	994	1.51	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	1832	1.38	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	2930	1.96	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	8700	1.92	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	9265	1.76	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	807	0.99	ng/ul	0.00
58) Fluorene-d10	15.72	176	7974	1.94	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	194	0.22	ng/ul	0.00
71) Anthracene-d10	17.57	188	12705	1.89	ng/ul	0.00
79) Pyrene-d10	19.85	212	15327	1.79	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	16134	1.83	ng/ul	0.00

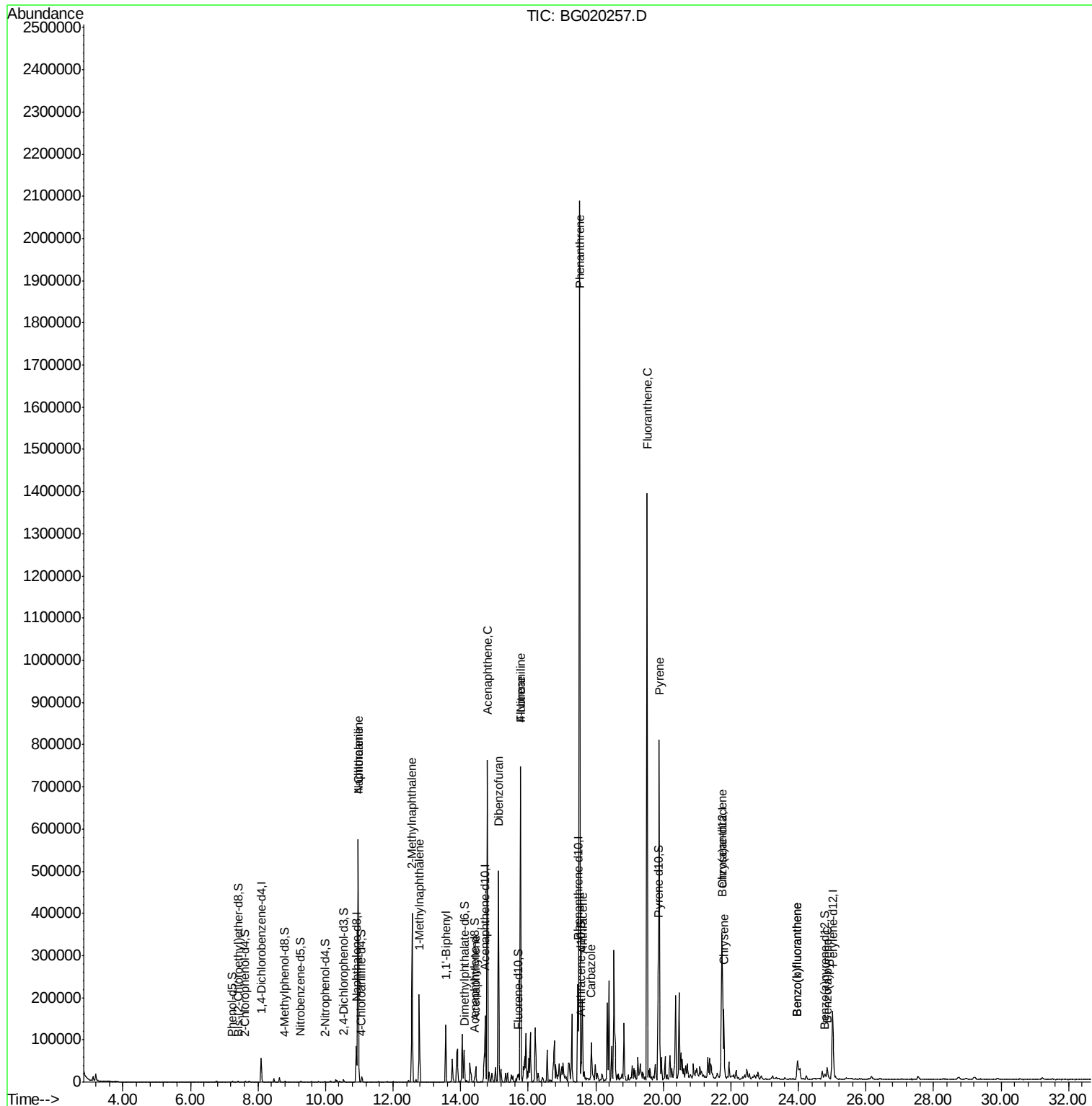
Target Compounds

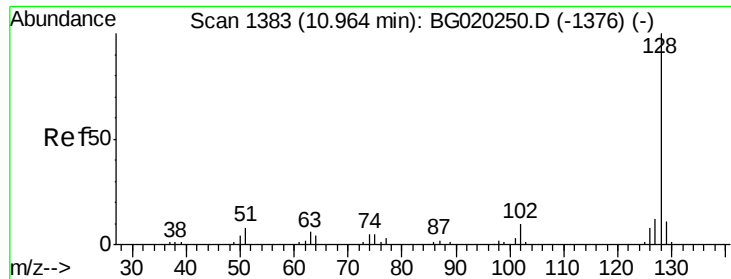
						Qvalue
28) Naphthalene	10.97	128	497864	125.79	ng/ul	98
30) 4-Chloroaniline	10.96	127	68240	44.69	ng/ul#	18
34) 2-Methylnaphthalene	12.56	142	185912	61.50	ng/ul	99
35) 1-Methylnaphthalene	12.78	142	97872	33.67	ng/ul	95
41) 1,1'-Biphenyl	13.56	154	71702	16.97	ng/ul	95
48) Acenaphthylene	14.45	152	12745	2.28	ng/ul#	92
50) Acenaphthene	14.79	153	316792	84.09	ng/ul	100
54) Dibenzofuran	15.12	168	324257	57.86	ng/ul	98
59) Fluorene	15.77	166	338176	75.15	ng/ul	99
61) 4-Nitroaniline	15.77	138	4186	4.17	ng/ul#	10
70) Phenanthrene	17.53	178	1374302	172.25	ng/ul	94
72) Anthracene	17.61	178	137574	17.00	ng/ul	98
75) Carbazole	17.87	167	53736	7.90	ng/ul	99
77) Fluoranthene	19.52	202	872468	93.57	ng/ul	100
80) Pyrene	19.88	202	574161	51.67	ng/ul	99
83) Benzo(a)anthracene	21.73	228	152870	14.27	ng/ul	98
85) Chrysene	21.79	228	119600	11.85	ng/ul	95
88) Benzo(b)fluoranthene	23.97	252	62470	5.88	ng/ul	95
89) Benzo(k)fluoranthene	23.97	252	62470	6.12	ng/ul	97
91) Benzo(a)pyrene	24.85	252	34748	3.45	ng/ul	95

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

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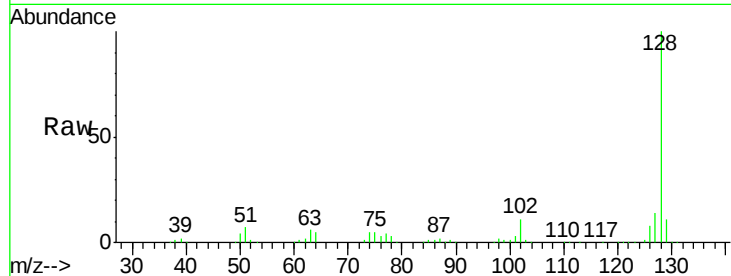




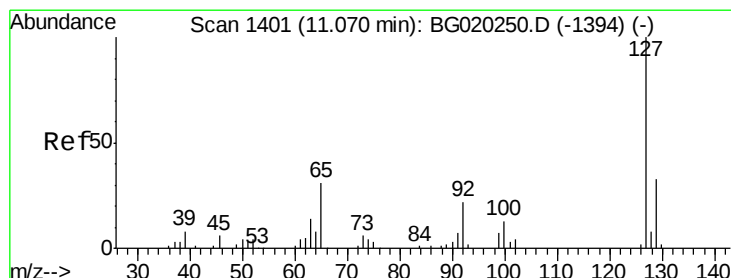
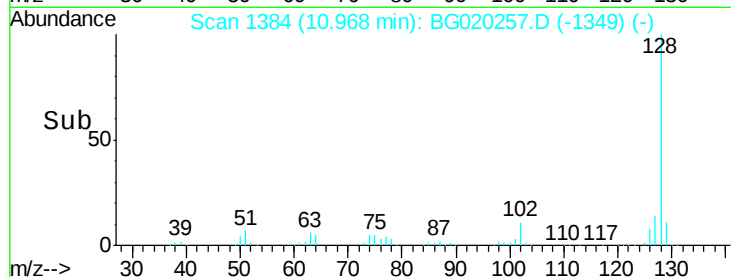
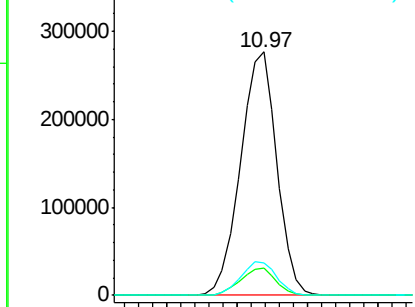
#28
Naphthalene
Concen: 125.79 ng/ul
RT: 10.97 min Scan# 1384
Delta R.T. 0.00 min
Lab File: BG020257.D
Acq: 17 Dec 2015 22:29

Instrument :
BNA_G
ClientSampleId :
D9N35DL

Tgt Ion:128 Resp: 497864
Ion Ratio Lower Upper
128 100
129 11.3 8.6 12.8
127 13.6 10.1 15.1

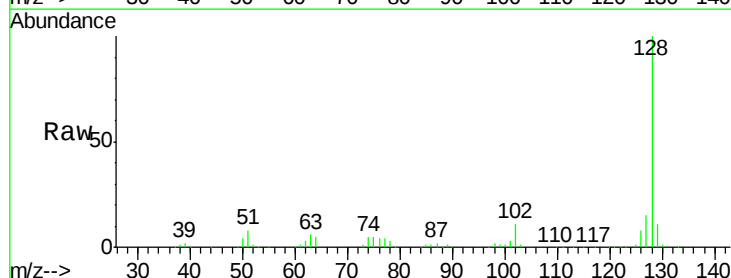


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

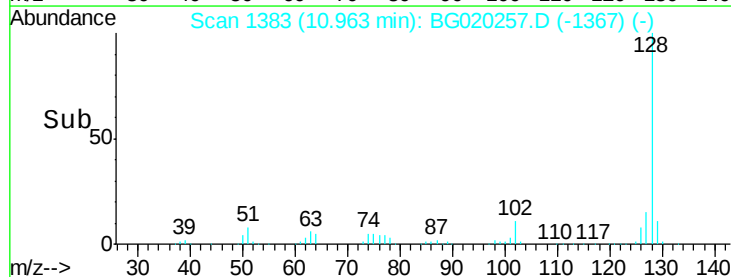
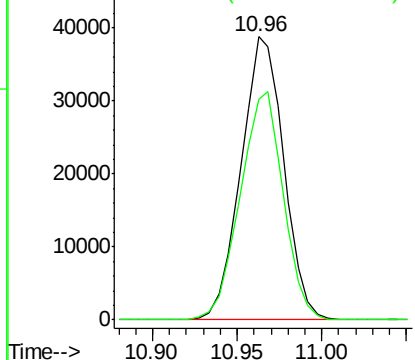


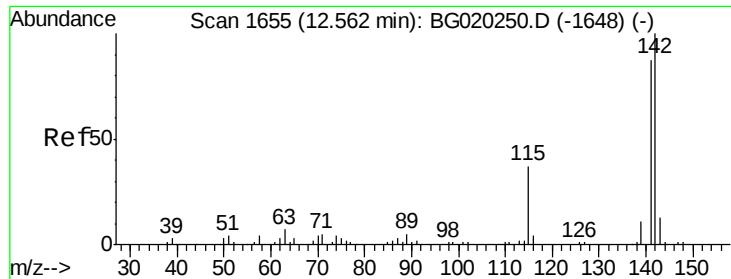
#30
4-Chloroaniline
Concen: 44.69 ng/ul
RT: 10.96 min Scan# 1383
Delta R.T. -0.11 min
Lab File: BG020257.D
Acq: 17 Dec 2015 22:29

Tgt Ion:127 Resp: 68240
Ion Ratio Lower Upper
127 100
129 78.0 25.7 38.5#



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

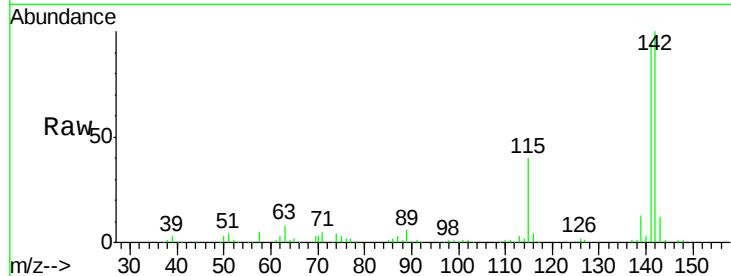




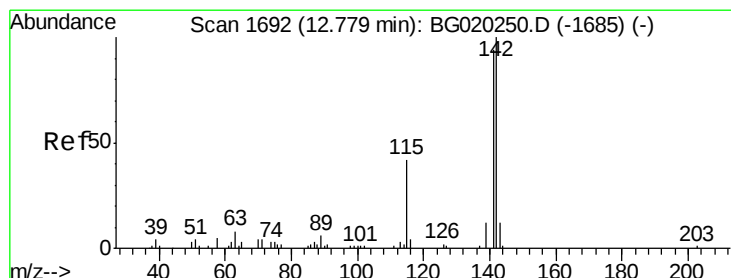
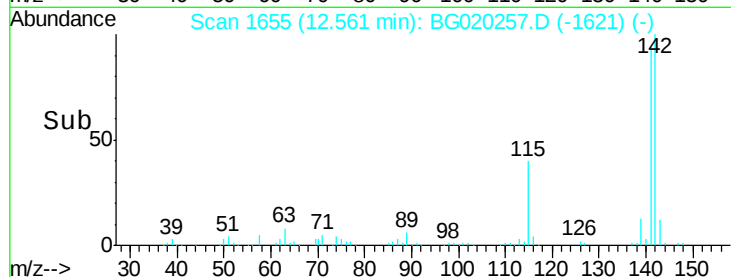
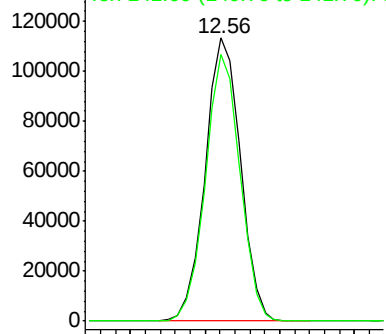
#34
 2-Methylnaphthalene
 Concen: 61.50 ng/ul
 RT: 12.56 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: BG020257.D
 Acq: 17 Dec 2015 22:29

Instrument :
 BNA_G
 ClientSampleId :
 D9N35DL

Tgt Ion:142 Resp: 185912
 Ion Ratio Lower Upper
 142 100
 141 94.5 74.9 112.3

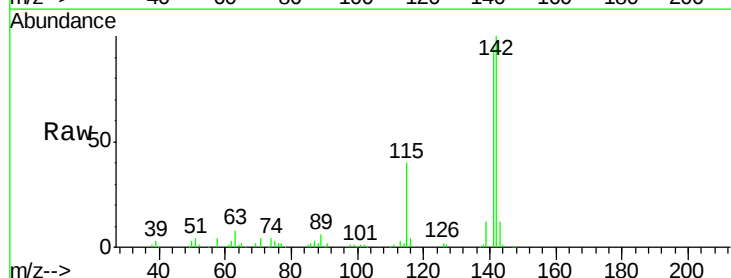


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

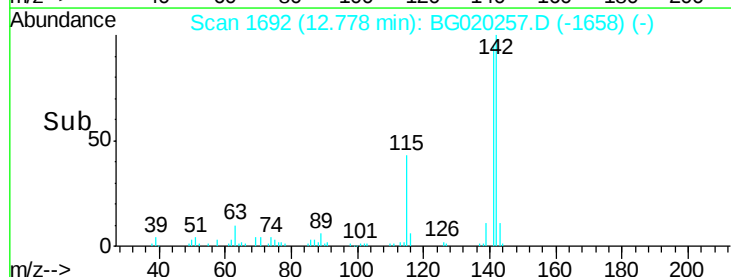
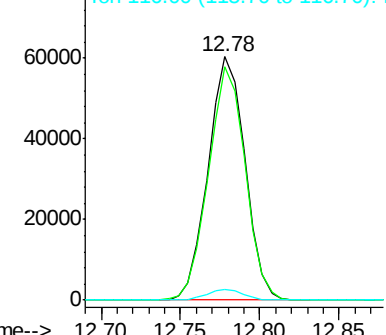


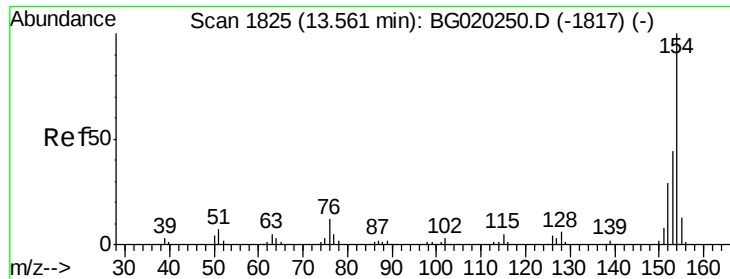
#35
 1-Methylnaphthalene
 Concen: 33.67 ng/ul
 RT: 12.78 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: BG020257.D
 Acq: 17 Dec 2015 22:29

Tgt Ion:142 Resp: 97872
 Ion Ratio Lower Upper
 142 100
 141 96.0 73.0 109.6
 116 4.3 3.0 4.6



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

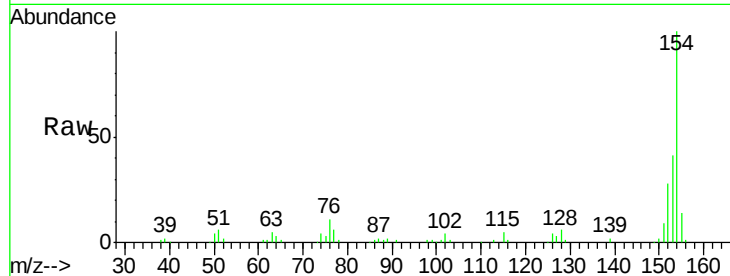




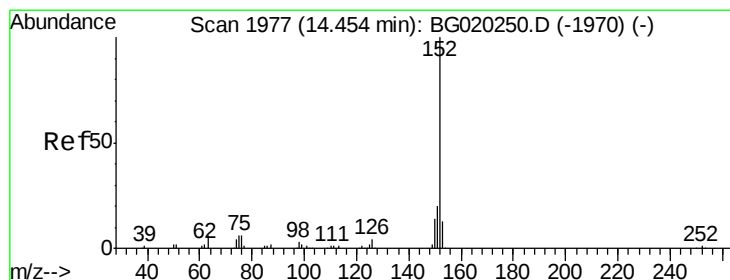
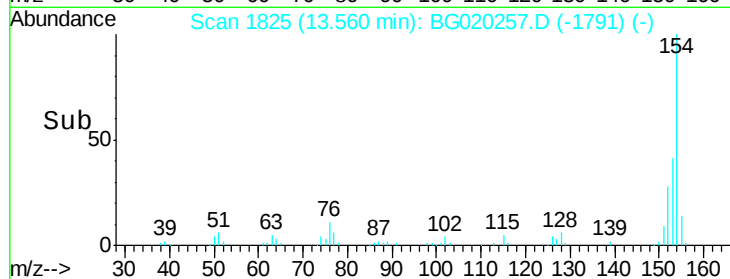
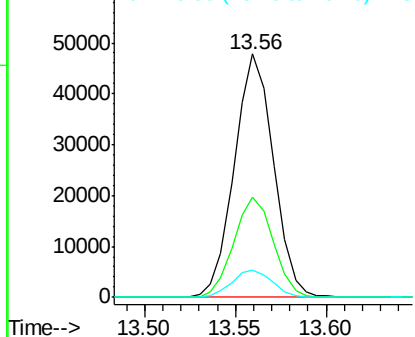
#41
 1,1'-Biphenyl
 Concen: 16.97 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BG020257.D
 Acq: 17 Dec 2015 22:29

Instrument :
 BNA_G
 ClientSampleId :
 D9N35DL

Tgt Ion:154 Resp: 71702
 Ion Ratio Lower Upper
 154 100
 153 41.0 35.5 53.3
 76 11.2 10.4 15.6

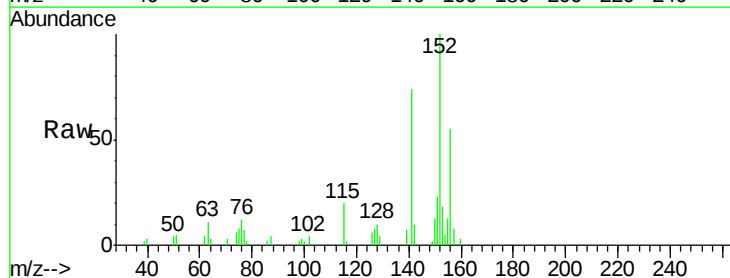


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

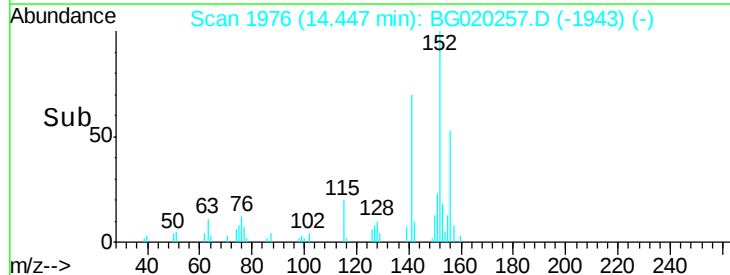
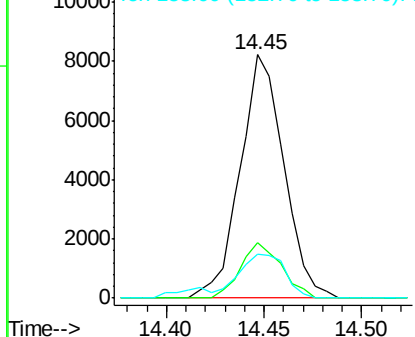


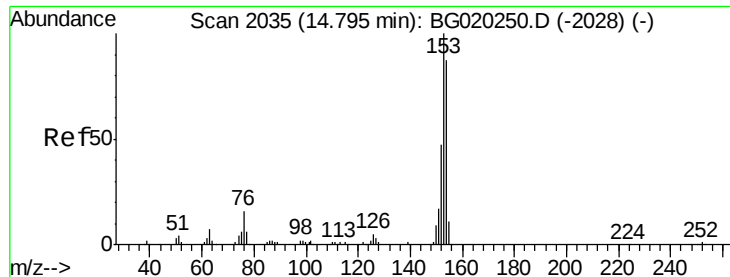
#48
 Acenaphthylene
 Concen: 2.28 ng/ul
 RT: 14.45 min Scan# 1976
 Delta R.T. -0.01 min
 Lab File: BG020257.D
 Acq: 17 Dec 2015 22:29

Tgt Ion:152 Resp: 12745
 Ion Ratio Lower Upper
 152 100
 151 22.5 16.4 24.6
 153 18.0 10.4 15.6#



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 84.09 ng/ul

RT: 14.79 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BG020257.D

Acq: 17 Dec 2015 22:29

Instrument :

BNA_G

ClientSampleId :

D9N35DL

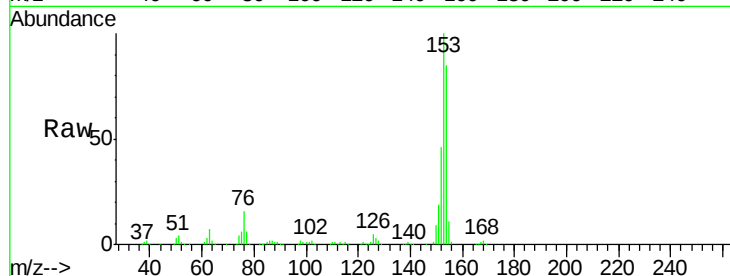
Tgt Ion:153 Resp: 316792

Ion Ratio Lower Upper

153 100

152 46.5 37.6 56.4

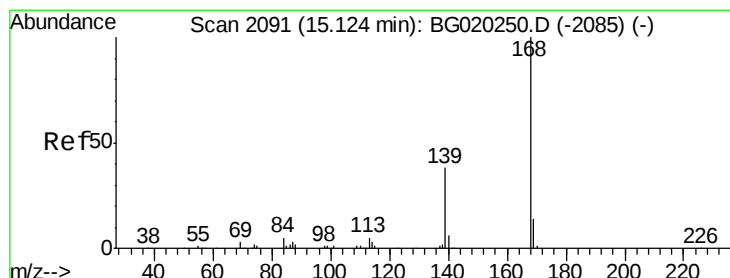
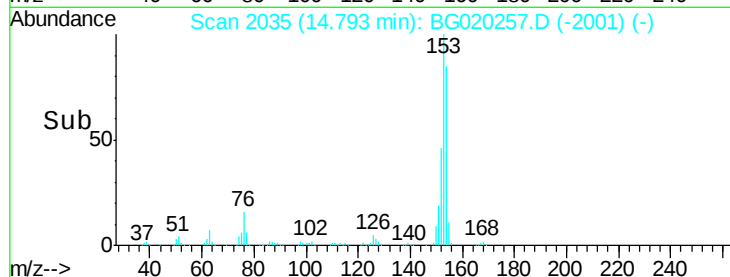
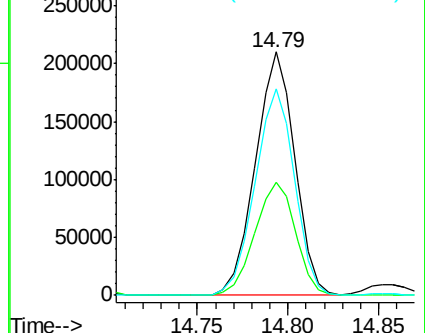
154 85.0 67.9 101.9



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: 57.86 ng/ul

RT: 15.12 min Scan# 2091

Delta R.T. -0.00 min

Lab File: BG020257.D

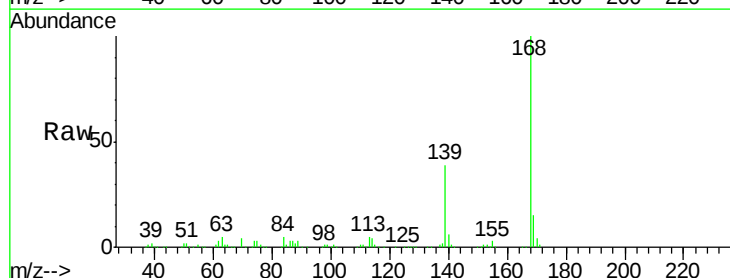
Acq: 17 Dec 2015 22:29

Tgt Ion:168 Resp: 324257

Ion Ratio Lower Upper

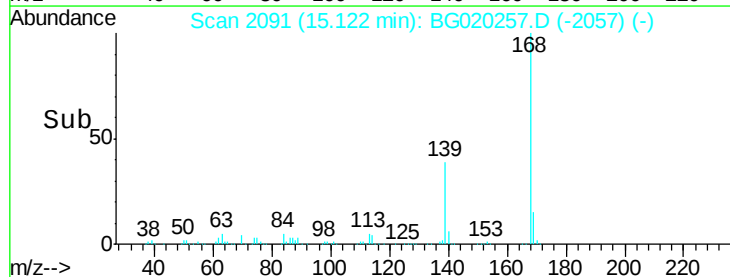
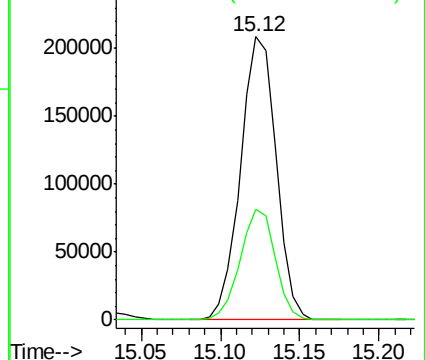
168 100

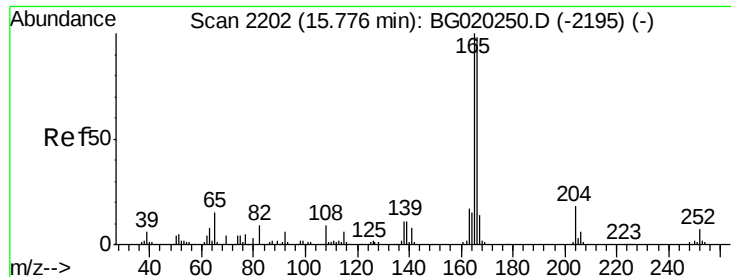
139 39.2 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 75.15 ng/ul

RT: 15.77 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG020257.D

Acq: 17 Dec 2015 22:29

Instrument :

BNA_G

ClientSampleId :

D9N35DL

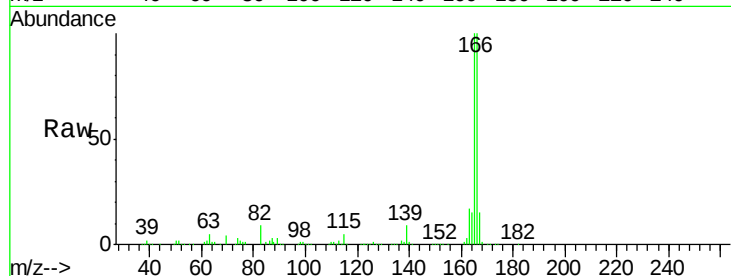
Tgt Ion:166 Resp: 338176

Ion Ratio Lower Upper

166 100

165 100.4 81.4 122.0

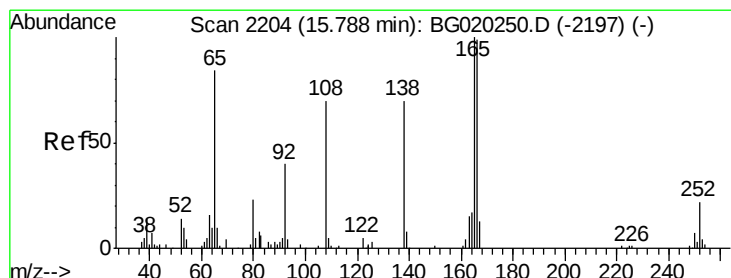
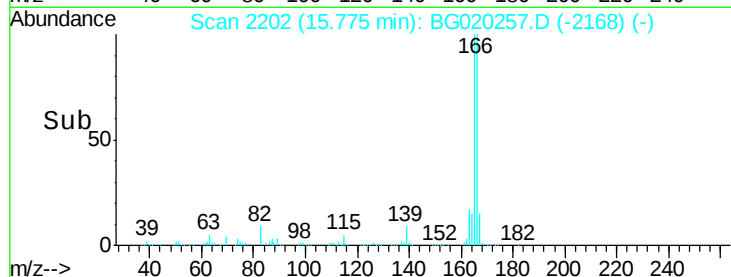
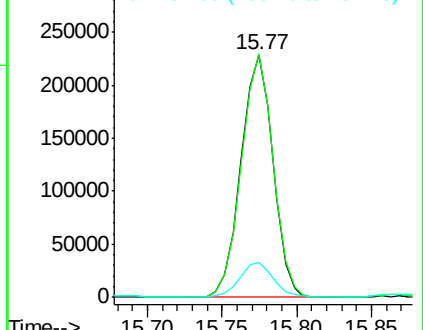
167 14.7 11.2 16.8



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: 4.17 ng/ul

RT: 15.77 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BG020257.D

Acq: 17 Dec 2015 22:29

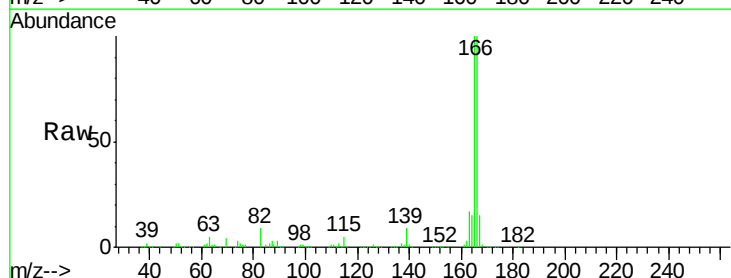
Tgt Ion:138 Resp: 4186

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

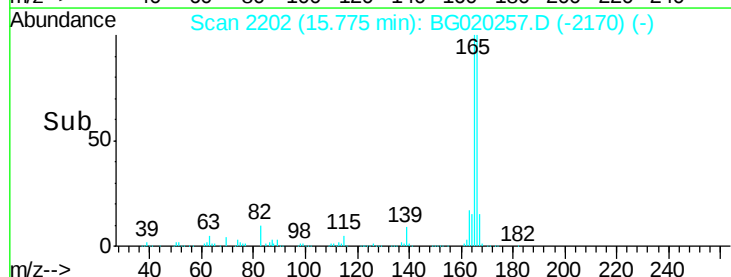
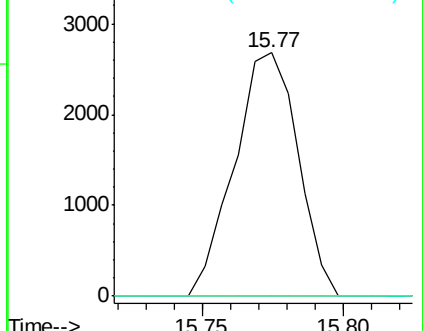
108 0.0 75.4 113.0#

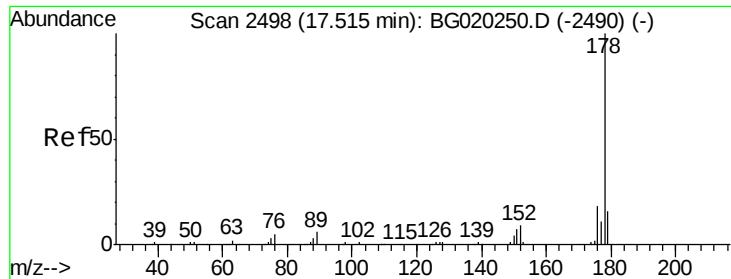


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 172.25 ng/ul

RT: 17.53 min Scan# 2500

Delta R.T. 0.01 min

Lab File: BG020257.D

Acq: 17 Dec 2015 22:29

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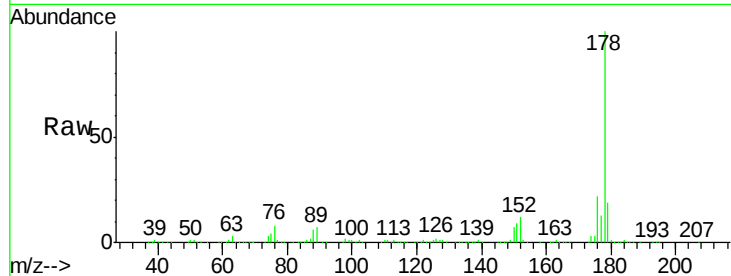
Tgt Ion:178 Resp: 1374302

Ion Ratio Lower Upper

178 100

179 18.5 12.9 19.3

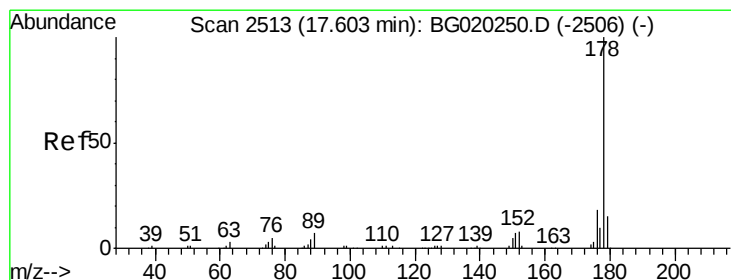
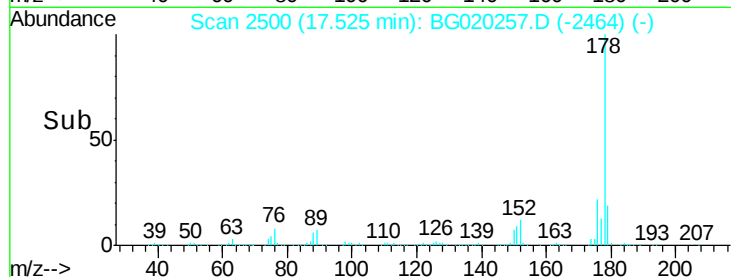
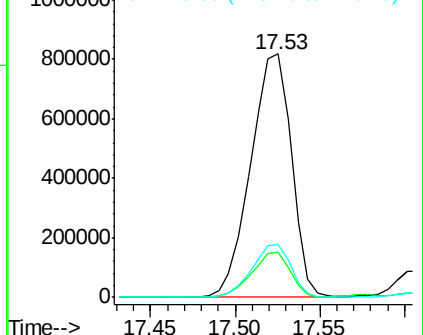
176 21.8 15.3 22.9



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: 17.00 ng/ul

RT: 17.61 min Scan# 2514

Delta R.T. 0.00 min

Lab File: BG020257.D

Acq: 17 Dec 2015 22:29

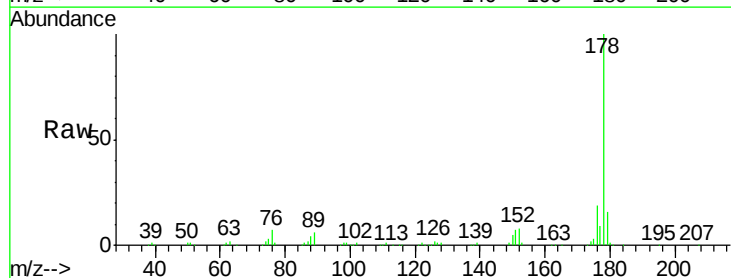
Tgt Ion:178 Resp: 137574

Ion Ratio Lower Upper

178 100

179 16.1 12.3 18.5

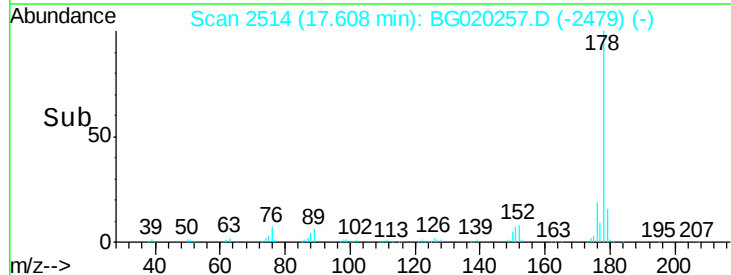
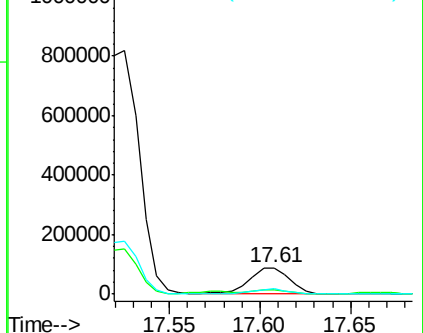
176 18.7 14.3 21.5

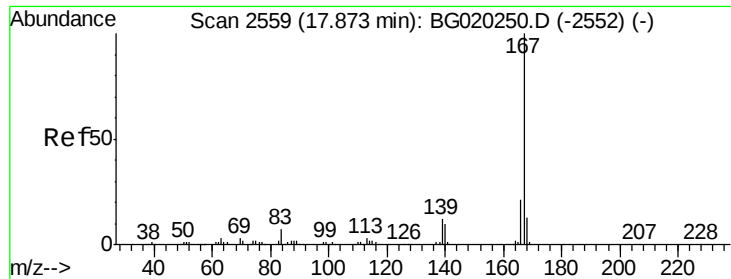


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 7.90 ng/ul

RT: 17.87 min Scan# 2559

Delta R.T. -0.00 min

Lab File: BG020257.D

Acq: 17 Dec 2015 22:29

Instrument :

BNA_G

ClientSampleId :

D9N35DL

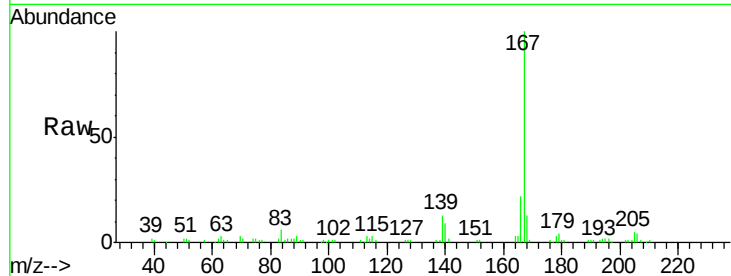
Tgt Ion:167 Resp: 53736

Ion Ratio Lower Upper

167 100

166 21.9 17.0 25.6

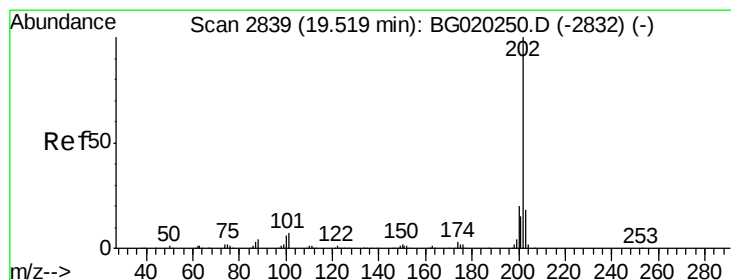
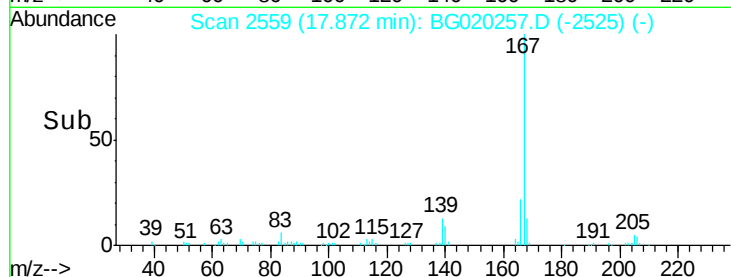
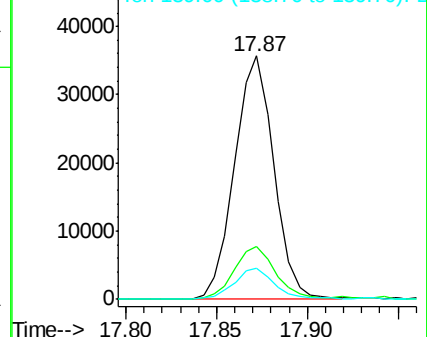
139 12.9 10.1 15.1



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: 93.57 ng/ul

RT: 19.52 min Scan# 2840

Delta R.T. 0.00 min

Lab File: BG020257.D

Acq: 17 Dec 2015 22:29

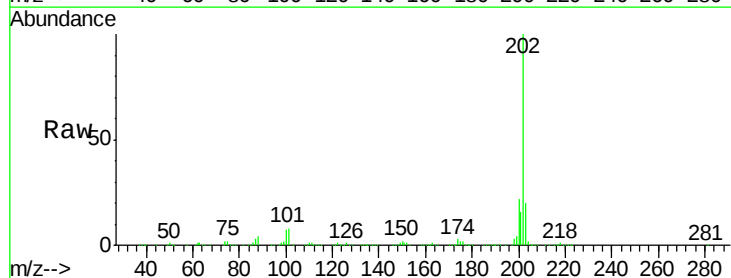
Tgt Ion:202 Resp: 872468

Ion Ratio Lower Upper

202 100

101 7.8 6.2 9.4

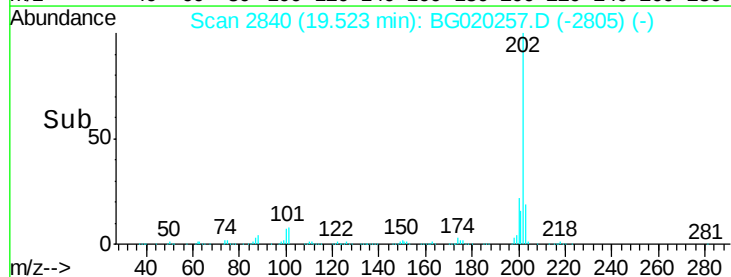
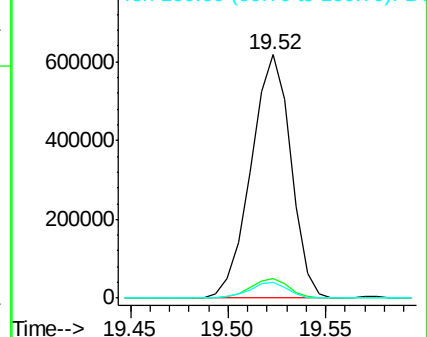
100 6.6 5.1 7.7

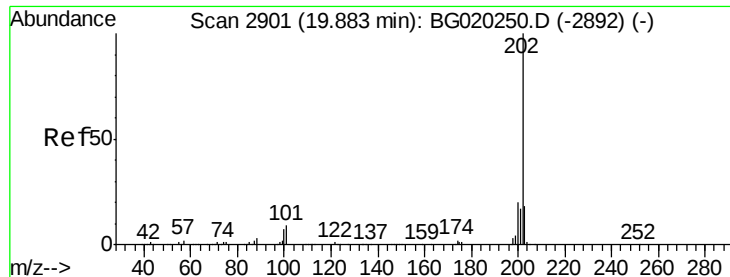


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

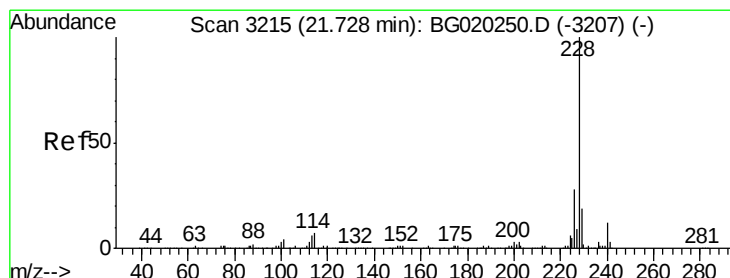
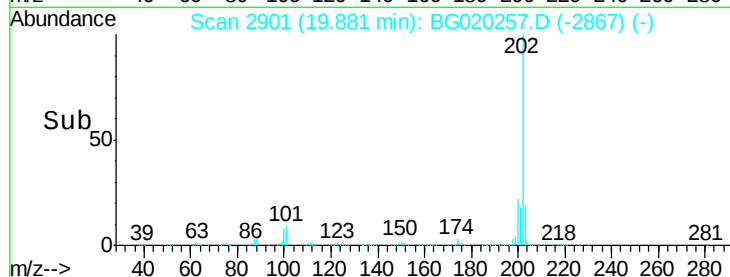
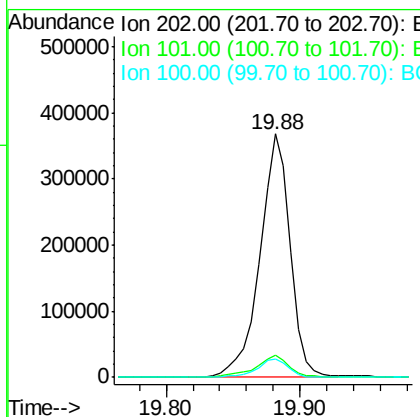
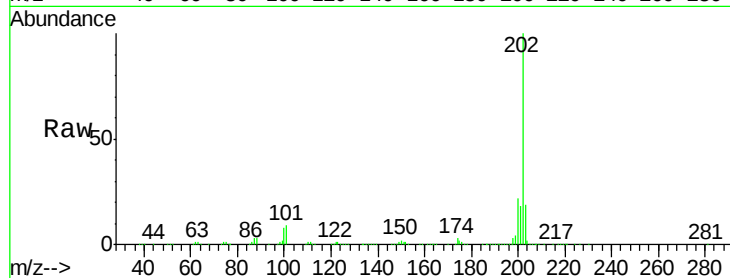




#80
 Pyrene
 Concen: 51.67 ng/ul
 RT: 19.88 min Scan# 2901
 Delta R.T. -0.00 min
 Lab File: BG020257.D
 Acq: 17 Dec 2015 22:29

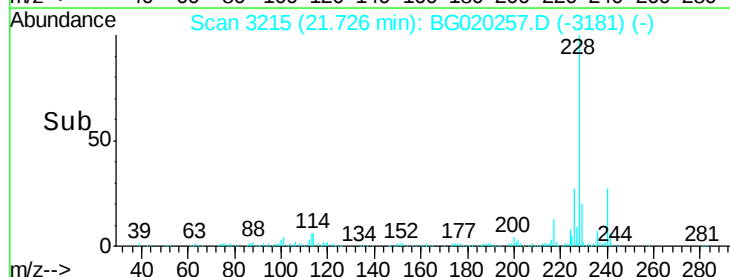
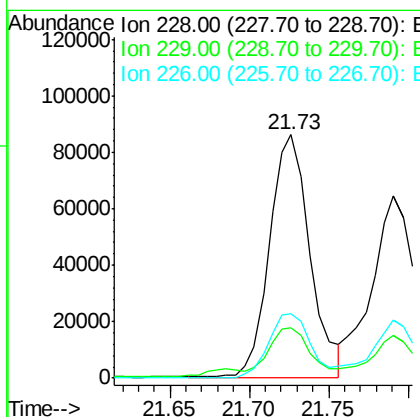
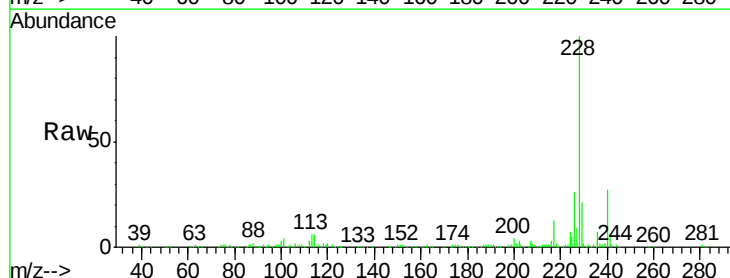
Instrument :
 BNA_G
 ClientSampleId :
 D9N35DL

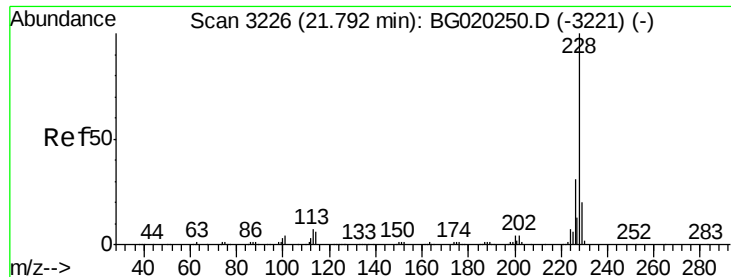
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.0	10.4
100	7.6	6.4	9.6



#83
 Benzo(a)anthracene
 Concen: 14.27 ng/ul
 RT: 21.73 min Scan# 3215
 Delta R.T. -0.00 min
 Lab File: BG020257.D
 Acq: 17 Dec 2015 22:29

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.8	23.8
226	26.4	21.8	32.6





#85

Chrysene

Concen: 11.85 ng/ul

RT: 21.79 min Scan# 3226

Delta R.T. -0.00 min

Lab File: BG020257.D

Acq: 17 Dec 2015 22:29

Instrument :

BNA_G

ClientSampleId :

D9N35DL

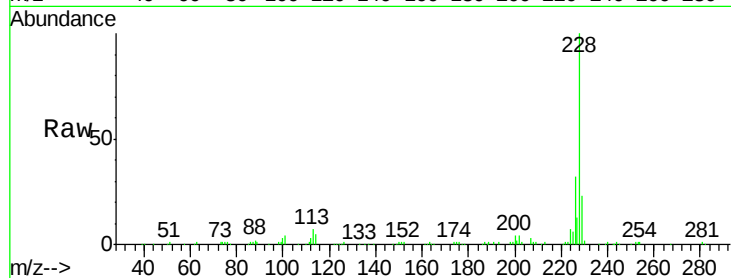
Tgt Ion:228 Resp: 119600

Ion Ratio Lower Upper

228 100

226 31.6 23.9 35.9

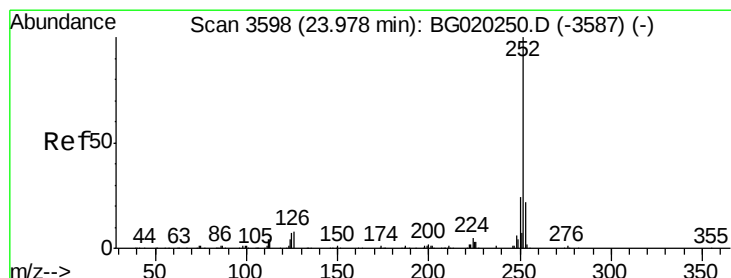
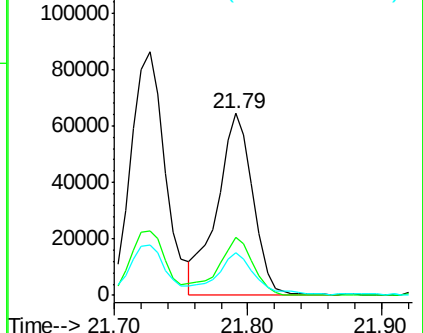
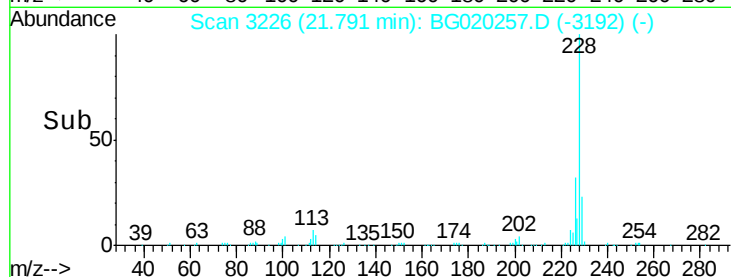
229 23.2 15.6 23.4



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: 5.88 ng/ul

RT: 23.97 min Scan# 3597

Delta R.T. -0.01 min

Lab File: BG020257.D

Acq: 17 Dec 2015 22:29

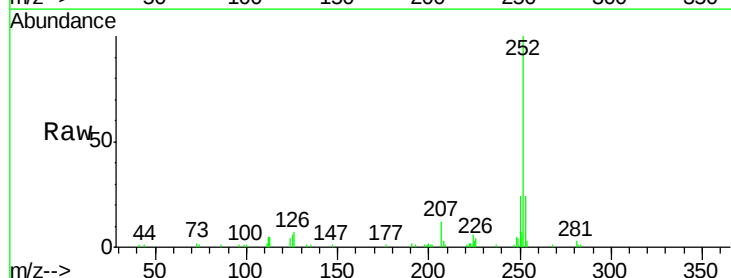
Tgt Ion:252 Resp: 62470

Ion Ratio Lower Upper

252 100

253 23.6 16.7 25.1

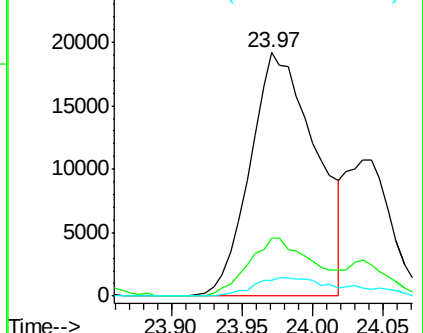
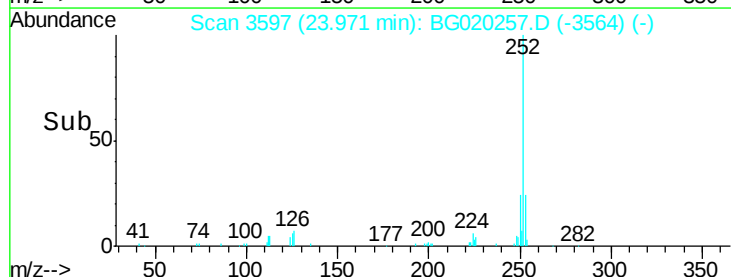
125 6.3 6.2 9.2

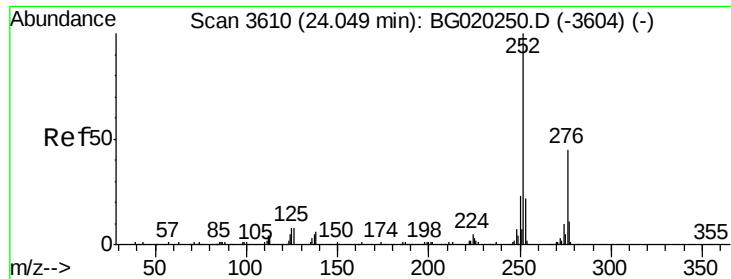


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 6.12 ng/ul

RT: 23.97 min Scan# 3597

Delta R.T. -0.08 min

Lab File: BG020257.D

Acq: 17 Dec 2015 22:29

Instrument :

BNA_G

ClientSampleId :

D9N35DL

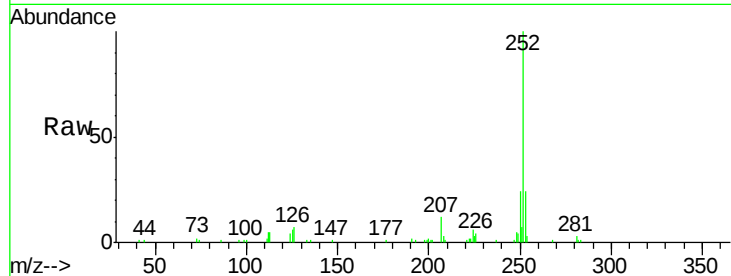
Tgt Ion:252 Resp: 62470

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

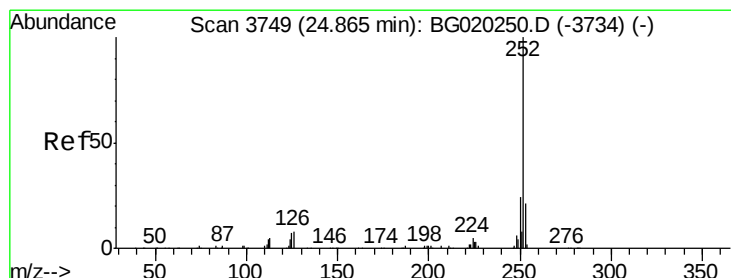
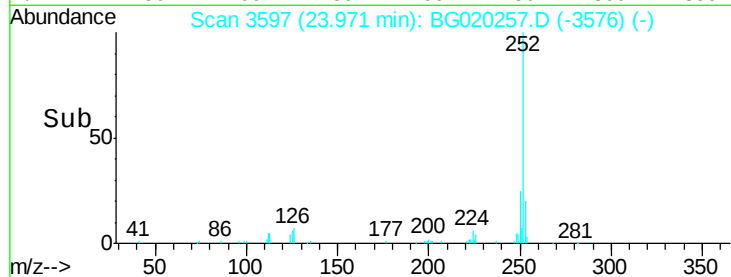
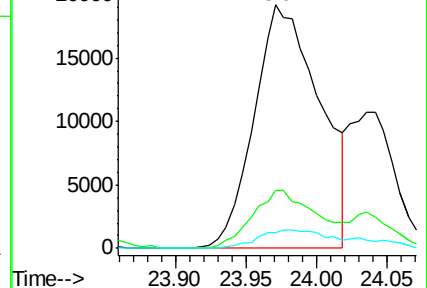
125 6.3 5.8 8.6



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



#91

Benzo(a)pyrene

Concen: 3.45 ng/ul

RT: 24.85 min Scan# 3747

Delta R.T. -0.01 min

Lab File: BG020257.D

Acq: 17 Dec 2015 22:29

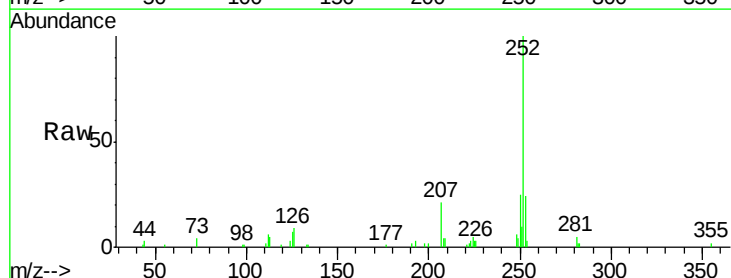
Tgt Ion:252 Resp: 34748

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.4

125 6.9 6.2 9.4



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

