

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122515\
 Data File : BG020502.D
 Acq On : 25 Dec 2015 13:11
 Operator : UM/SJ
 Sample : G4848-05DL 30X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N51MEDL

Quant Time: Dec 26 00:26:25 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG122415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 26 00:23:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	20710	20.00	ng/ul	0.00
18) Naphthalene-d8	10.89	136	94762	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	70833	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	184262	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	231479	20.00	ng/ul	0.00
86) Perylene-d12	24.99	264	223022	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	348	0.21	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	225	0.23	ng/ul	0.01
9) 2-Chlorophenol-d4	7.61	132	564	0.44	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	177	0.13	ng/ul	0.01
19) Nitrobenzene-d5	9.25	128	135	0.18	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	207	0.25	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.52	165	611	0.37	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	496	0.27	ng/ul	0.02
44) Dimethylphthalate-d6	14.11	166	4428	0.76	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	4819	0.71	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.70	176	4421	0.84	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.46	188	184262	21.35	ng/ul	-0.10
79) Pyrene-d10	19.84	212	8283	0.83	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.76	264	8311	0.74	ng/ul	0.00

Target Compounds

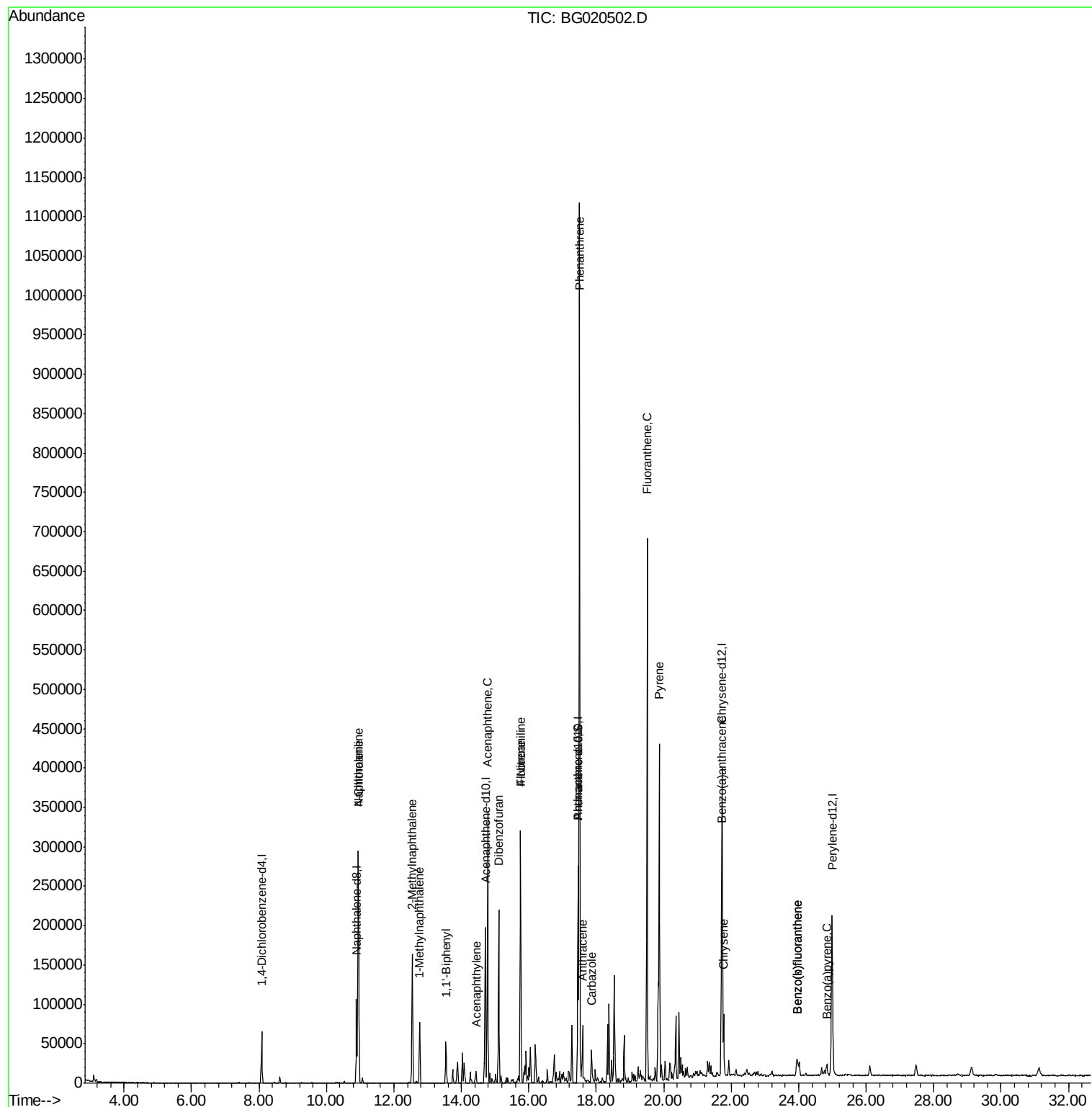
						Qvalue
28) Naphthalene	10.95	128	252980	50.22	ng/ul	99
30) 4-Chloroaniline	10.95	127	33551	17.82	ng/ul#	10
34) 2-Methylnaphthalene	12.54	142	79726	21.39	ng/ul	97
35) 1-Methylnaphthalene	12.76	142	37877	10.70	ng/ul#	96
41) 1,1'-Biphenyl	13.54	154	30218	5.53	ng/ul	97
48) Acenaphthylene	14.44	152	7230	1.02	ng/ul#	95
50) Acenaphthene	14.78	153	147407	30.67	ng/ul	98
54) Dibenzofuran	15.11	168	150189	21.00	ng/ul	99
59) Fluorene	15.76	166	149110	25.73	ng/ul	97
61) 4-Nitroaniline	15.76	138	1733	1.38	ng/ul#	10
70) Phenanthrene	17.50	178	708453	69.10	ng/ul	98
72) Anthracene	17.59	178	52347	4.99	ng/ul	98
75) Carbazole	17.86	167	28006	3.17	ng/ul	97
77) Fluoranthene	19.51	202	453987	35.21	ng/ul	97
80) Pyrene	19.86	202	300523	22.96	ng/ul	98
83) Benzo(a)anthracene	21.71	228	71035	5.23	ng/ul	99
85) Chrysene	21.77	228	60006	4.63	ng/ul	99
88) Benzo(b)fluoranthene	23.95	252	32377	2.42	ng/ul	93
89) Benzo(k)fluoranthene	23.95	252	32377	2.50	ng/ul	96
91) Benzo(a)pyrene	24.83	252	17777	1.38	ng/ul#	98

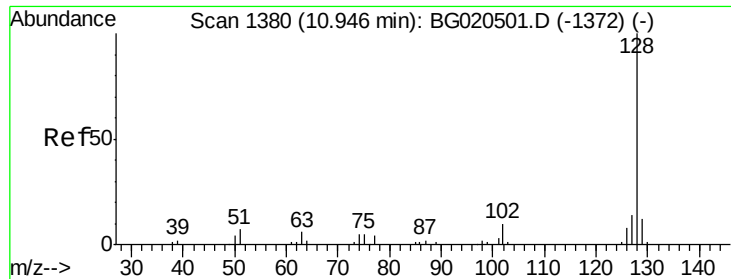
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 50.22 ng/ul

RT: 10.95 min Scan# 1380

Delta R.T. -0.00 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

Instrument :

BNA_G

ClientSampleId :

D9N51MEDL

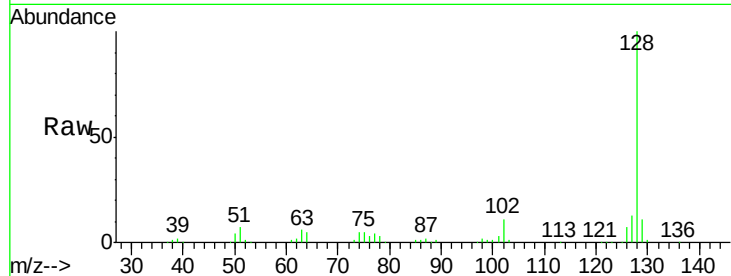
Tgt Ion:128 Resp: 252980

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

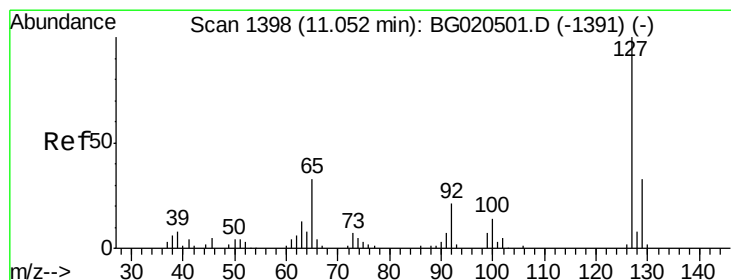
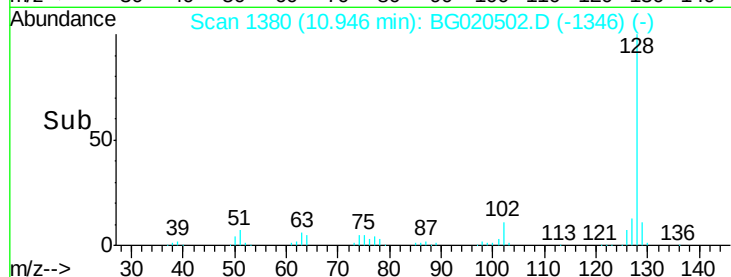
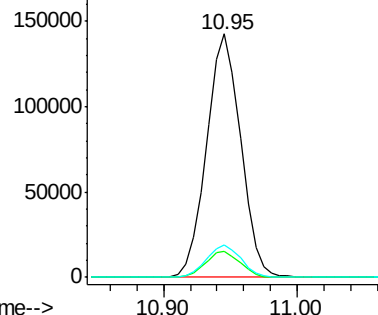
127 13.1 10.1 15.1



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: 17.82 ng/ul

RT: 10.95 min Scan# 1380

Delta R.T. -0.11 min

Lab File: BG020502.D

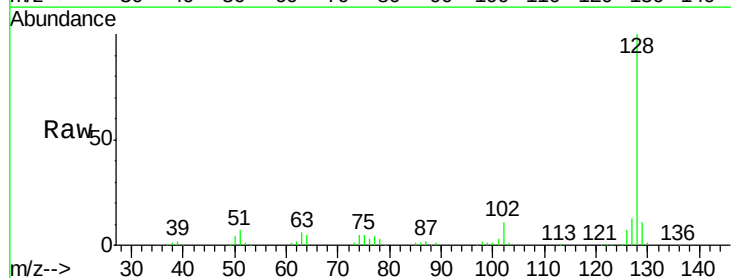
Acq: 25 Dec 2015 13:11

Tgt Ion:127 Resp: 33551

Ion Ratio Lower Upper

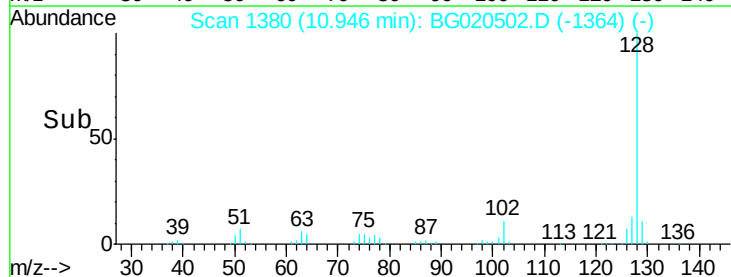
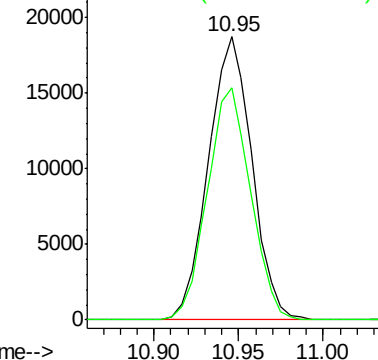
127 100

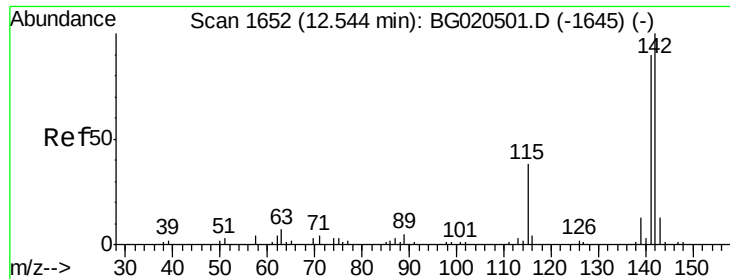
129 82.3 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 21.39 ng/ul

RT: 12.54 min Scan# 1652

Delta R.T. -0.00 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

Instrument :

BNA_G

ClientSampleId :

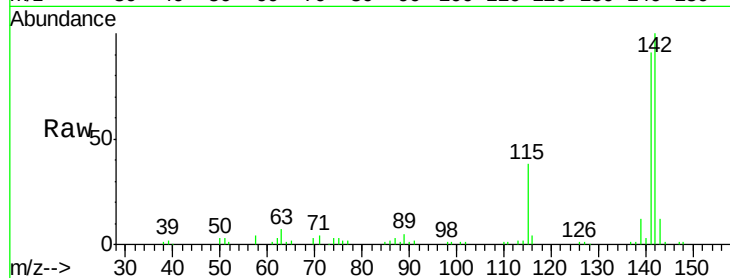
D9N51MEDL

Tgt Ion:142 Resp: 79726

Ion Ratio Lower Upper

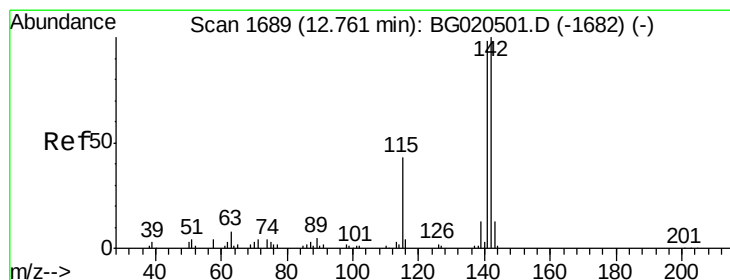
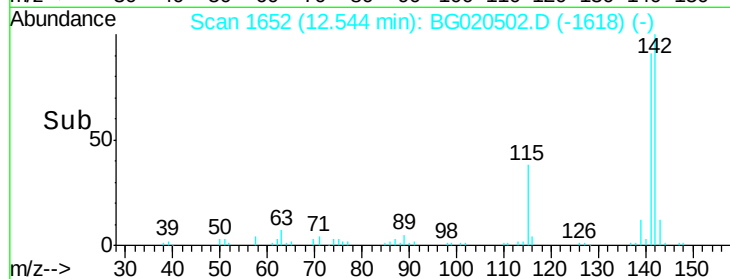
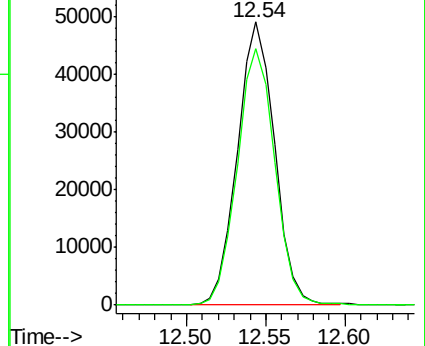
142 100

141 90.6 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: 10.70 ng/ul

RT: 12.76 min Scan# 1689

Delta R.T. -0.00 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

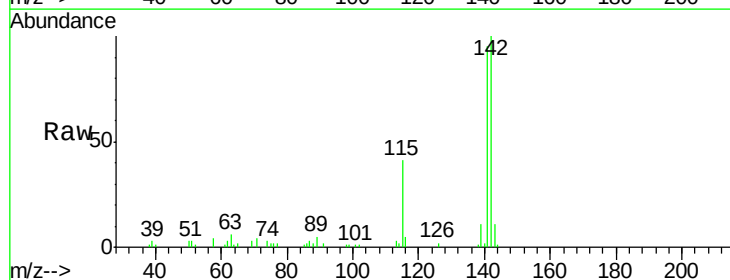
Tgt Ion:142 Resp: 37877

Ion Ratio Lower Upper

142 100

141 95.4 73.0 109.6

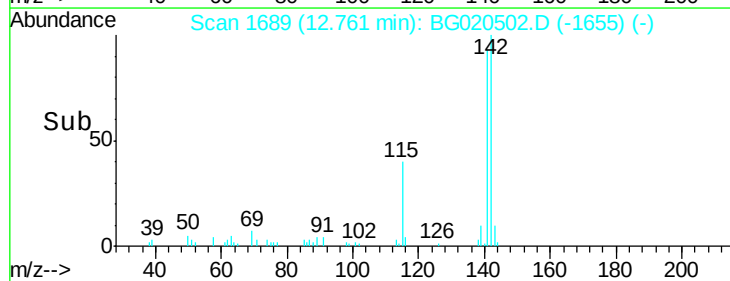
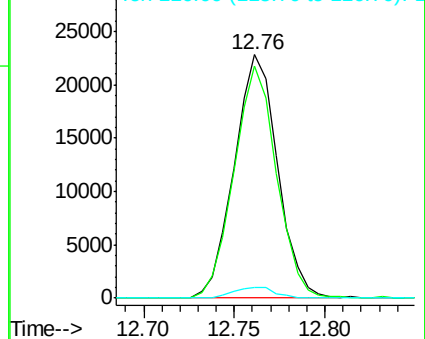
116 4.6 3.0 4.6#

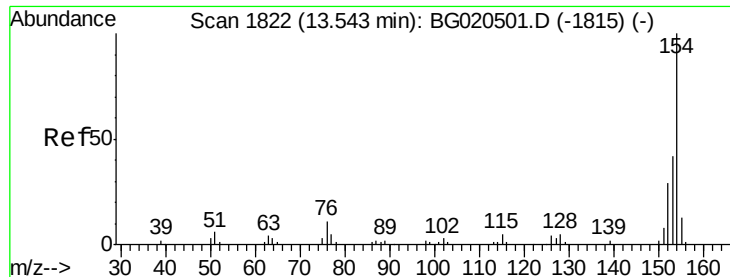


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

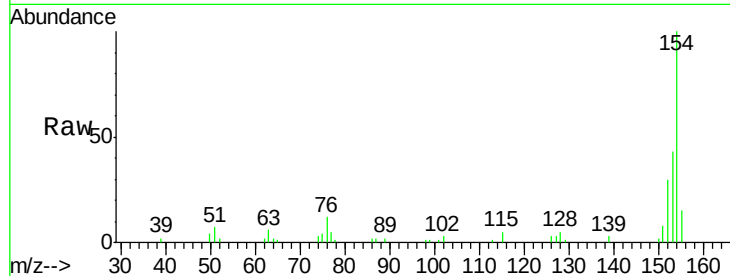




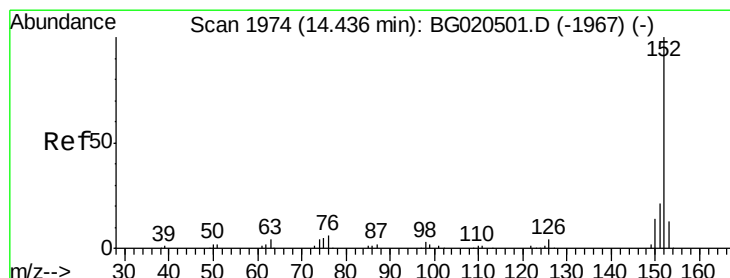
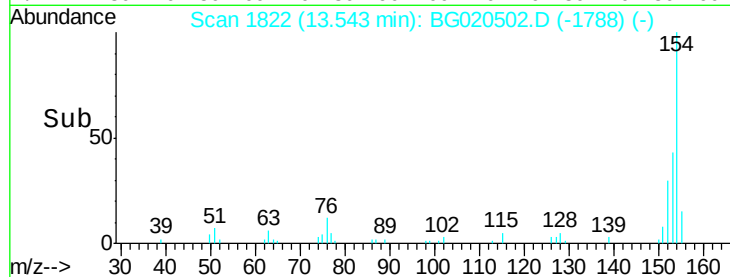
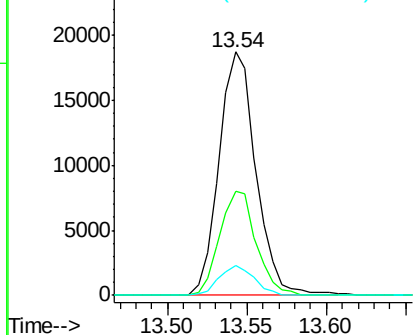
#41
 1,1'-Biphenyl
 Concen: 5.53 ng/ul
 RT: 13.54 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: BG020502.D
 Acq: 25 Dec 2015 13:11

Instrument :
 BNA_G
 ClientSampleId :
 D9N51MEDL

Tgt Ion:154 Resp: 30218
 Ion Ratio Lower Upper
 154 100
 153 42.7 35.5 53.3
 76 12.1 10.4 15.6

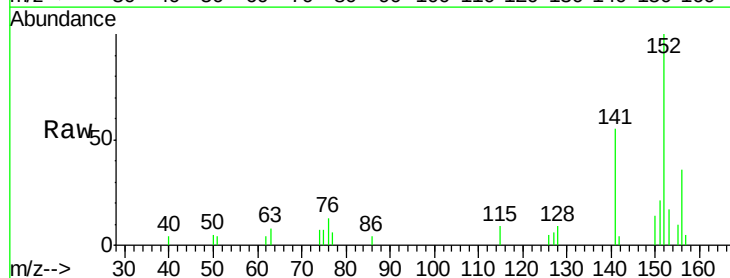


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

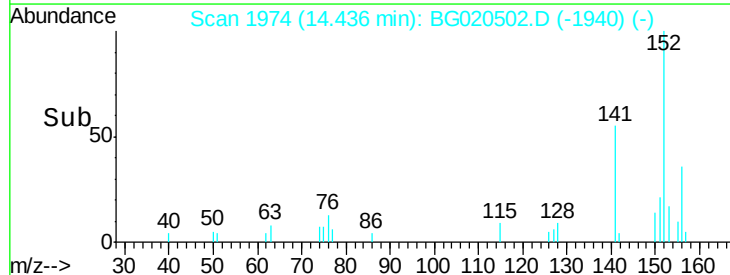
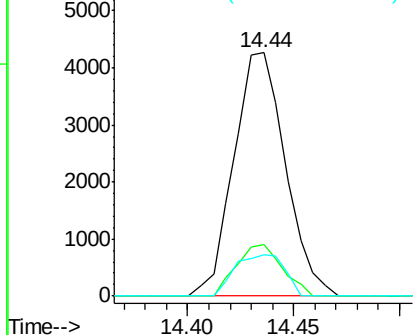


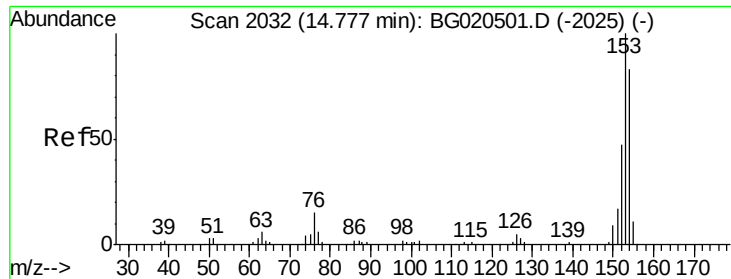
#48
 Acenaphthylene
 Concen: 1.02 ng/ul
 RT: 14.44 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: BG020502.D
 Acq: 25 Dec 2015 13:11

Tgt Ion:152 Resp: 7230
 Ion Ratio Lower Upper
 152 100
 151 21.4 16.4 24.6
 153 17.1 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: 30.67 ng/ul

RT: 14.78 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

Instrument :

BNA_G

ClientSampleId :

D9N51MEDL

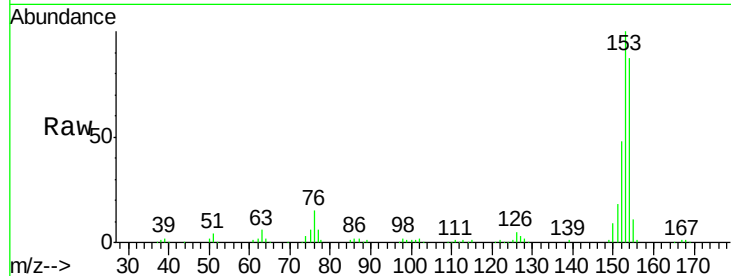
Tgt Ion:153 Resp: 147407

Ion Ratio Lower Upper

153 100

152 48.1 37.6 56.4

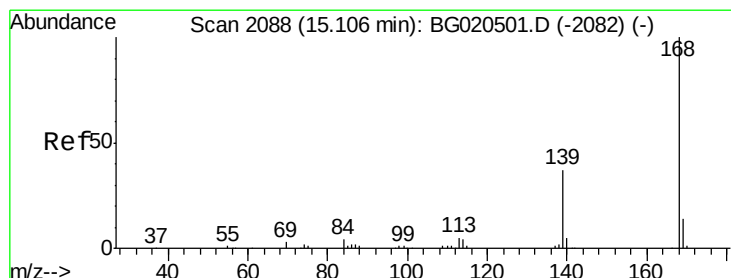
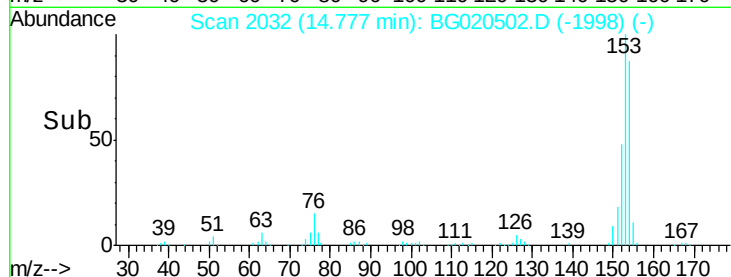
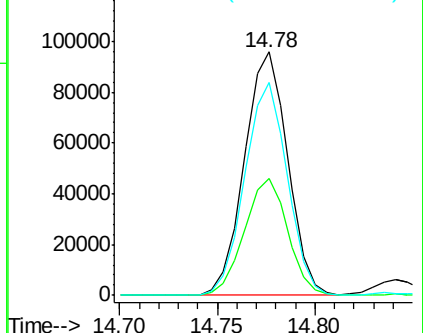
154 87.3 67.9 101.9



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: 21.00 ng/ul

RT: 15.11 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BG020502.D

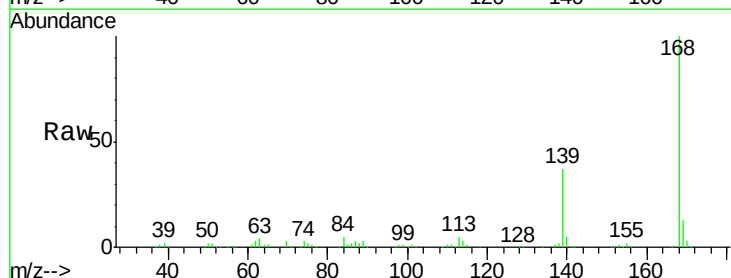
Acq: 25 Dec 2015 13:11

Tgt Ion:168 Resp: 150189

Ion Ratio Lower Upper

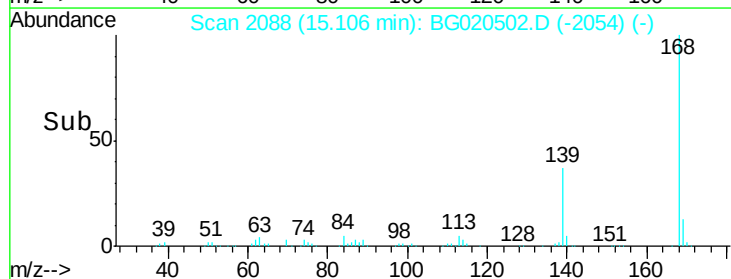
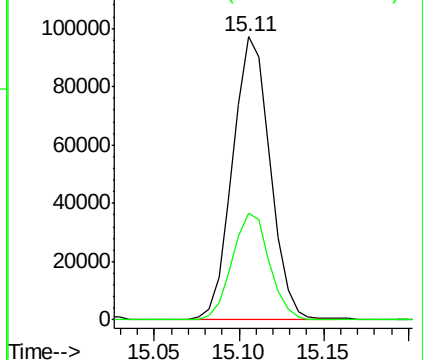
168 100

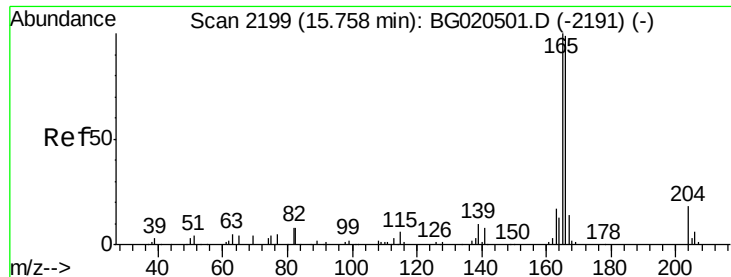
139 37.5 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 25.73 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

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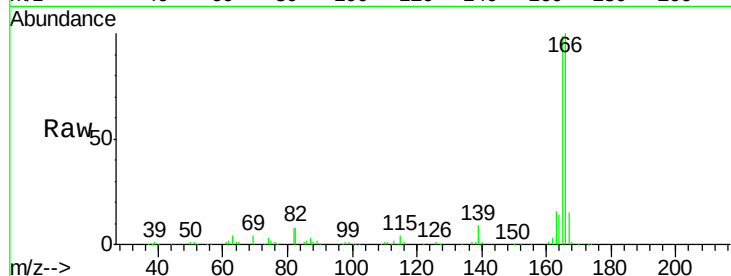
Tgt Ion:166 Resp: 149110

Ion Ratio Lower Upper

166 100

165 98.6 81.4 122.0

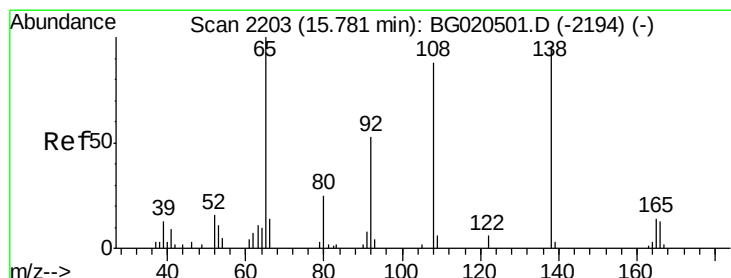
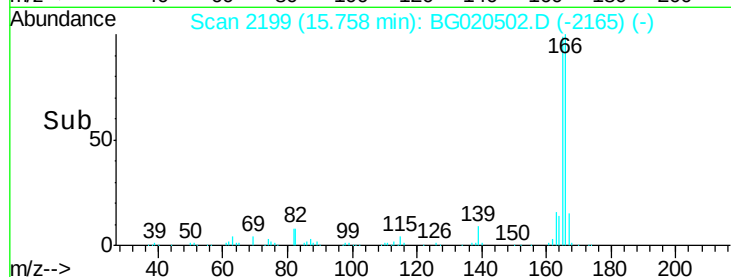
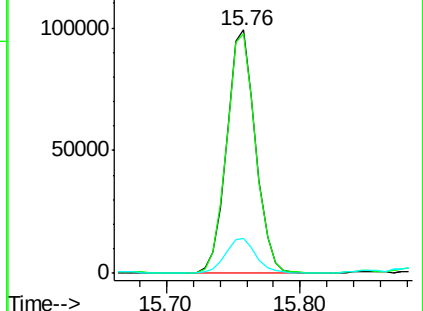
167 14.5 11.2 16.8



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



#61

4-Nitroaniline

Concen: 1.38 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. -0.02 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

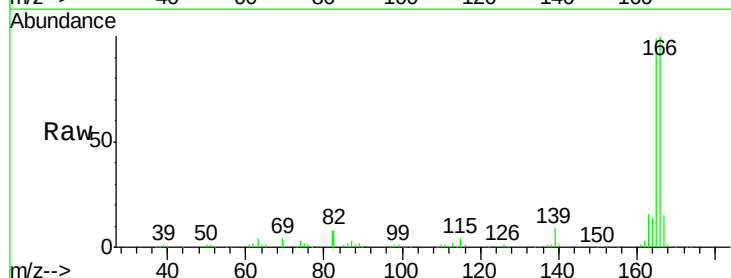
Tgt Ion:138 Resp: 1733

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

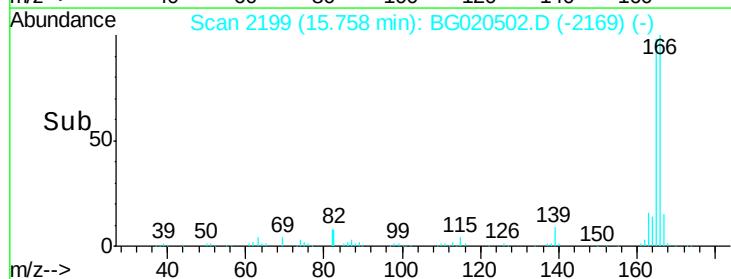
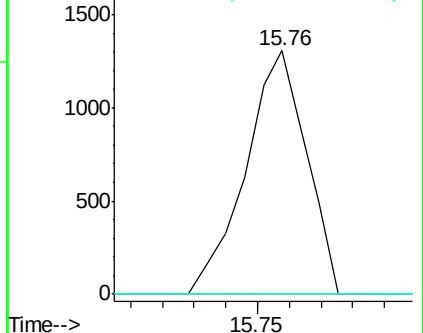
108 0.0 75.4 113.0#

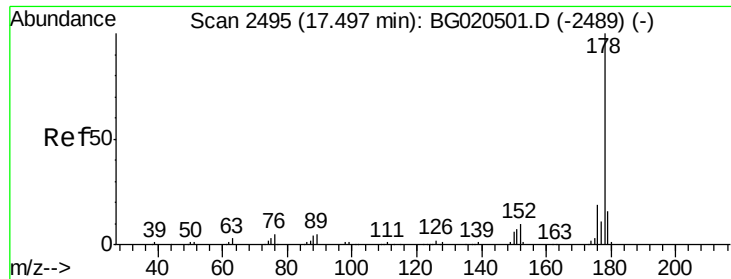


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 69.10 ng/ul

RT: 17.50 min Scan# 2496

Delta R.T. 0.01 min

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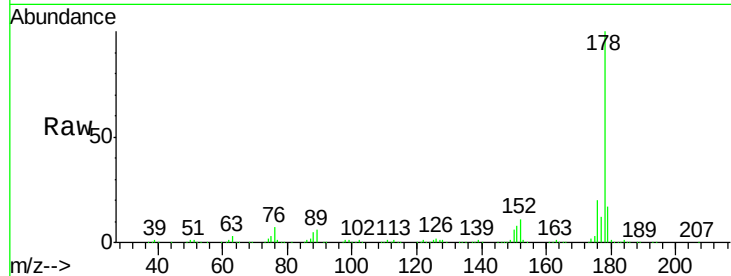
Tgt Ion:178 Resp: 708453

Ion Ratio Lower Upper

178 100

179 17.0 12.9 19.3

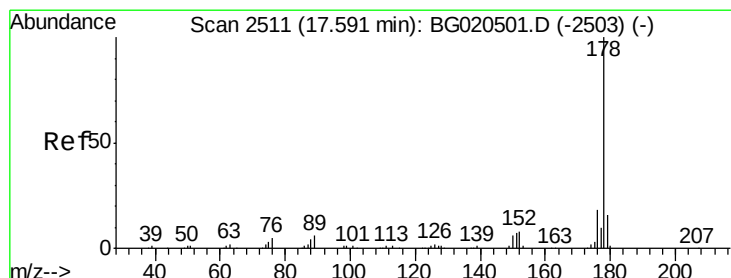
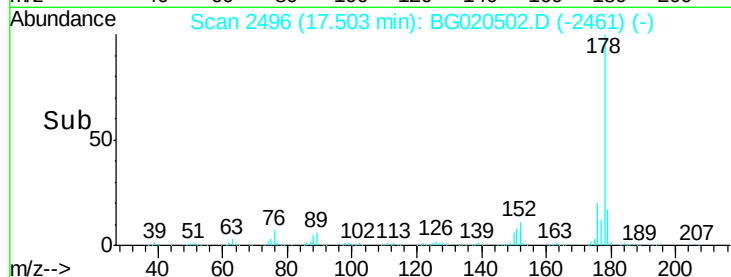
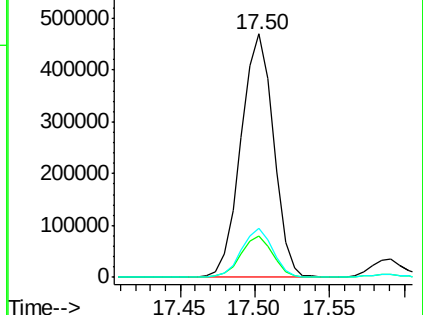
176 20.2 15.3 22.9



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: 4.99 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.00 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

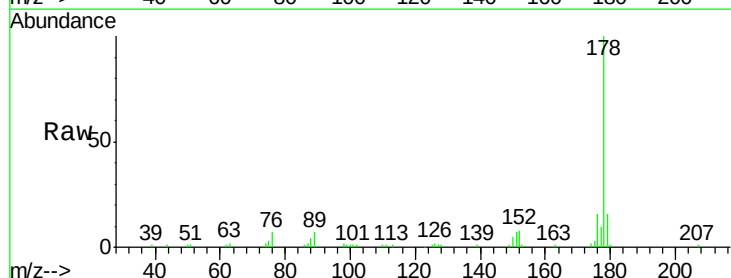
Tgt Ion:178 Resp: 52347

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

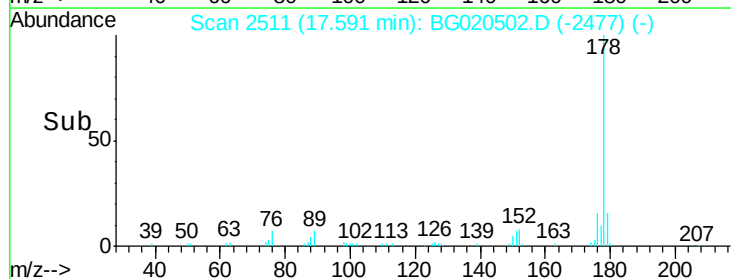
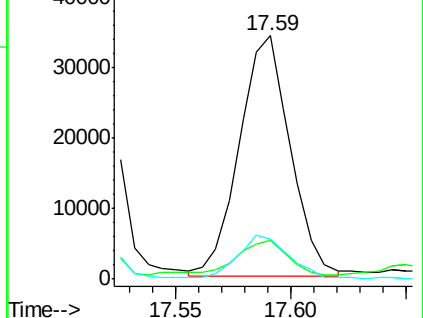
176 16.5 14.3 21.5

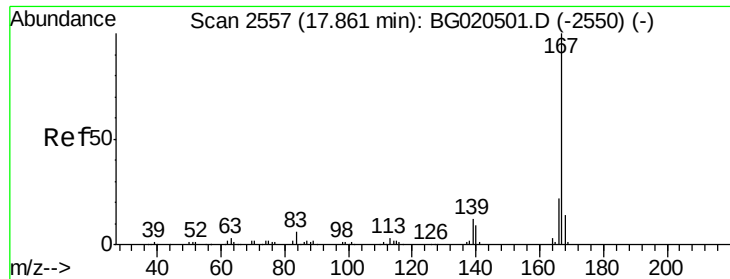


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 3.17 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. -0.00 min

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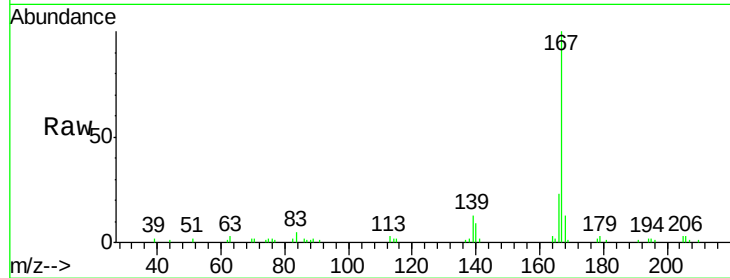
Tgt Ion:167 Resp: 28006

Ion Ratio Lower Upper

167 100

166 23.1 17.0 25.6

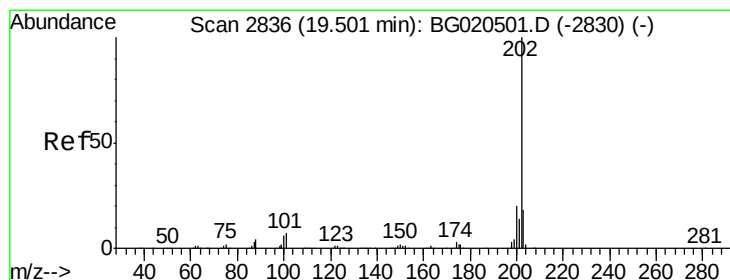
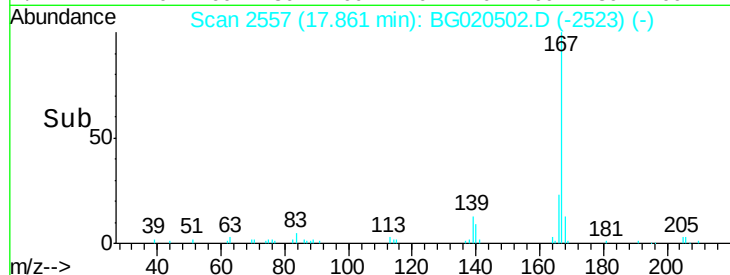
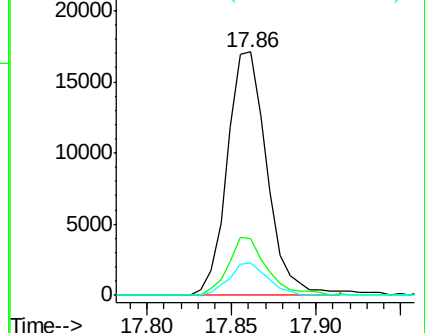
139 13.2 10.1 15.1



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: 35.21 ng/ul

RT: 19.51 min Scan# 2837

Delta R.T. 0.01 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

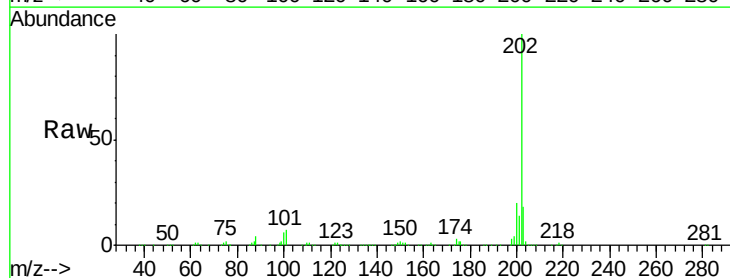
Tgt Ion:202 Resp: 453987

Ion Ratio Lower Upper

202 100

101 6.9 6.2 9.4

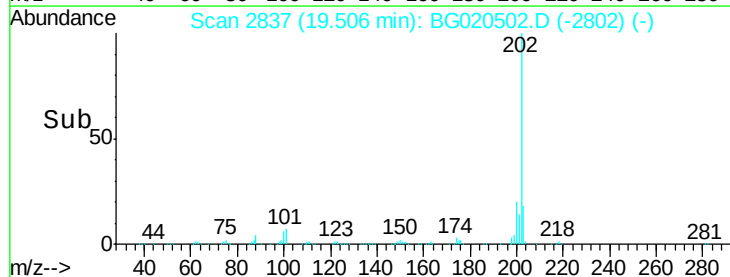
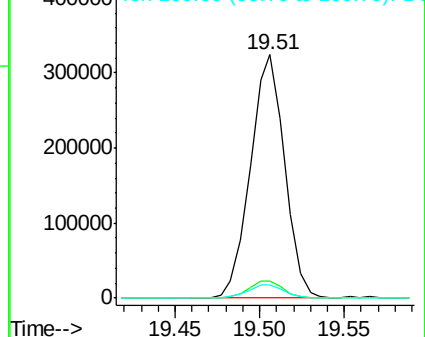
100 5.5 5.1 7.7

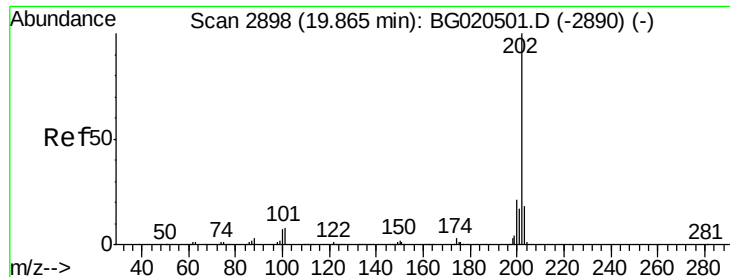


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

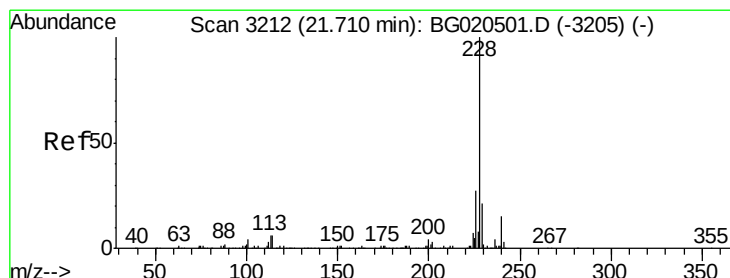
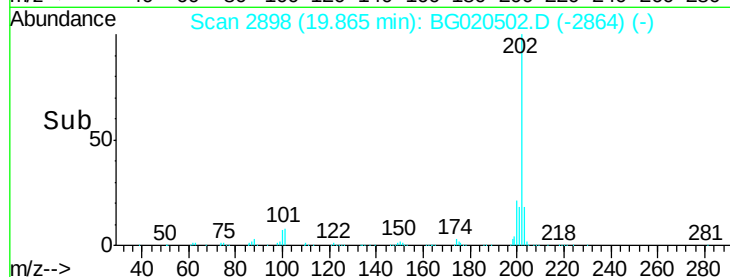
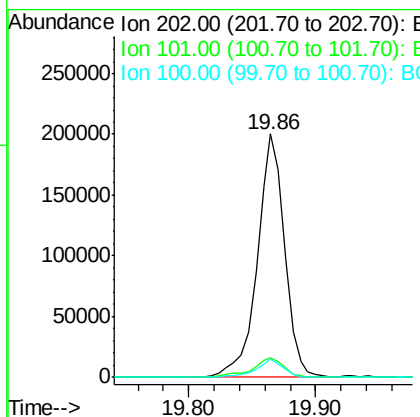
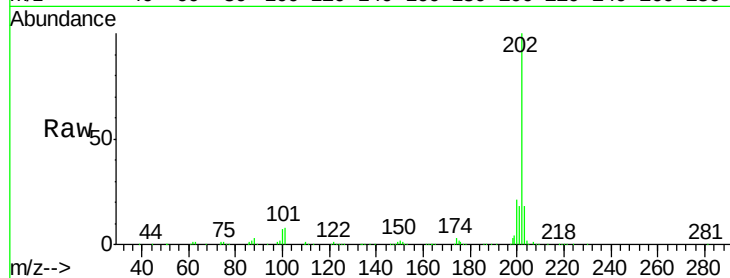




#80
 Pyrene
 Concen: 22.96 ng/ul
 RT: 19.86 min Scan# 2898
 Delta R.T. -0.00 min
 Lab File: BG020502.D
 Acq: 25 Dec 2015 13:11

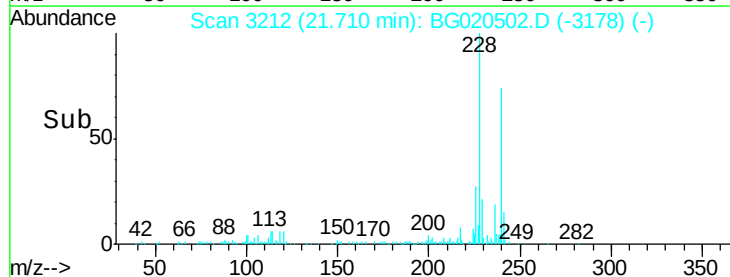
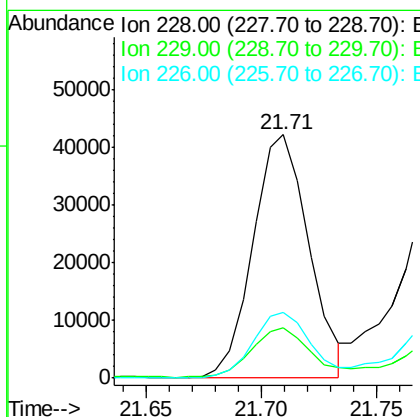
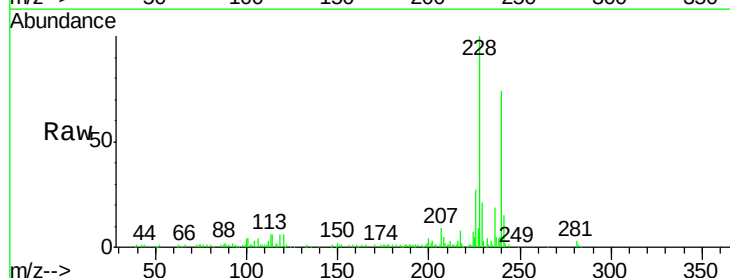
Instrument :
 BNA_G
 ClientSampleId :
 D9N51MEDL

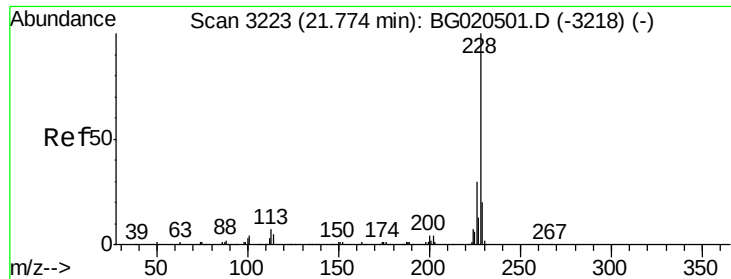
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.0	7.0	10.4
100	7.3	6.4	9.6



#83
 Benzo(a)anthracene
 Concen: 5.23 ng/ul
 RT: 21.71 min Scan# 3212
 Delta R.T. -0.00 min
 Lab File: BG020502.D
 Acq: 25 Dec 2015 13:11

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.8	23.8
226	27.2	21.8	32.6





#85

Chrysene

Concen: 4.63 ng/ul

RT: 21.77 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

Instrument :

BNA_G

ClientSampleId :

D9N51MEDL

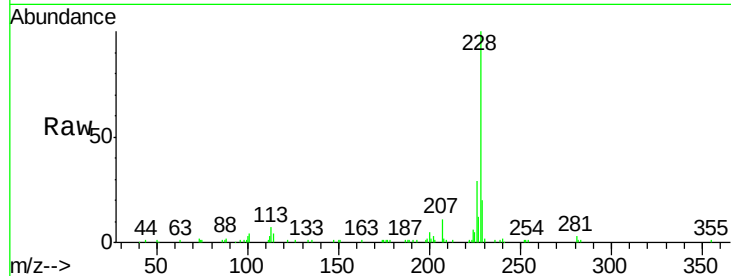
Tgt Ion:228 Resp: 60006

Ion Ratio Lower Upper

228 100

226 29.1 23.9 35.9

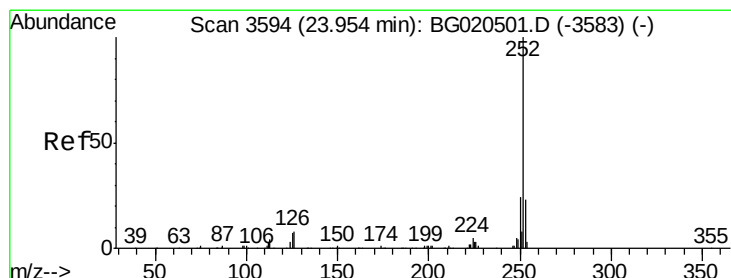
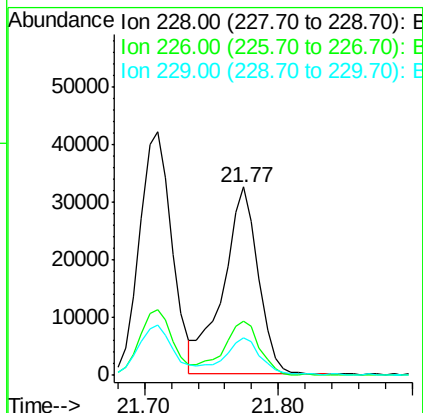
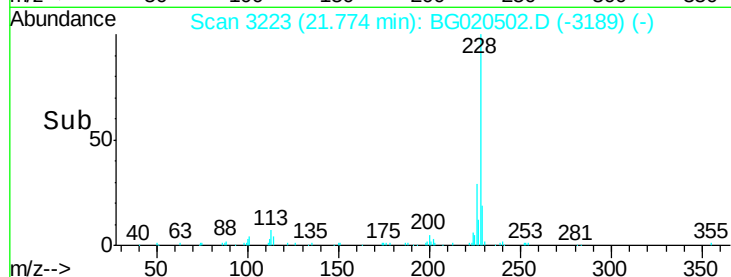
229 19.9 15.6 23.4



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: 2.42 ng/ul

RT: 23.95 min Scan# 3594

Delta R.T. -0.00 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

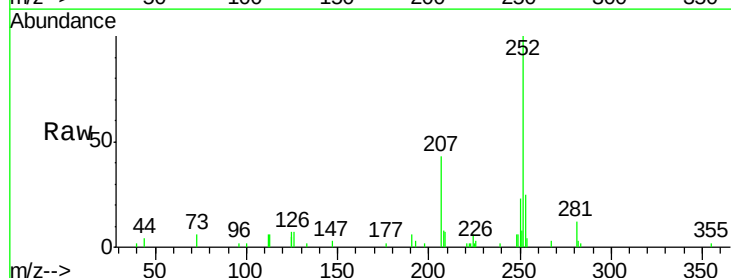
Tgt Ion:252 Resp: 32377

Ion Ratio Lower Upper

252 100

253 24.8 16.7 25.1

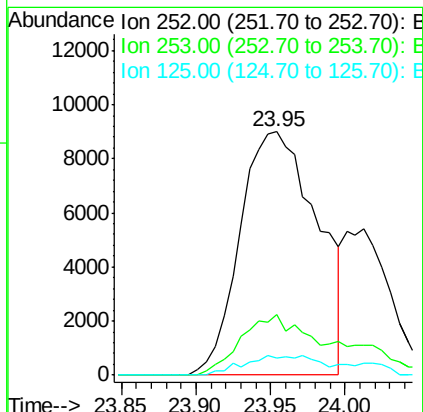
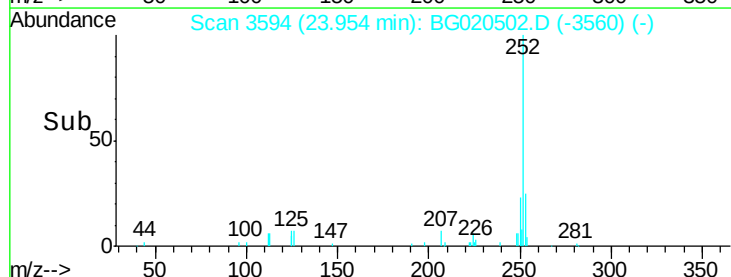
125 7.1 6.2 9.2

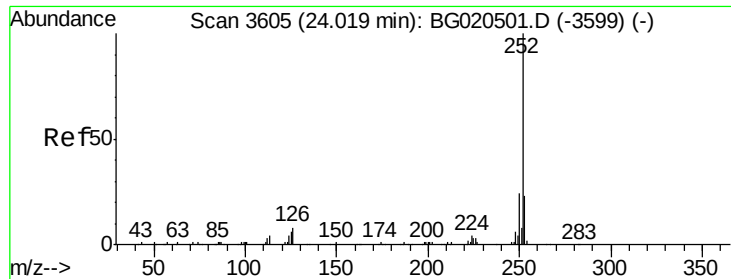


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.50 ng/ul

RT: 23.95 min Scan# 3594

Delta R.T. -0.06 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

Instrument :

BNA_G

ClientSampleId :

D9N51MEDL

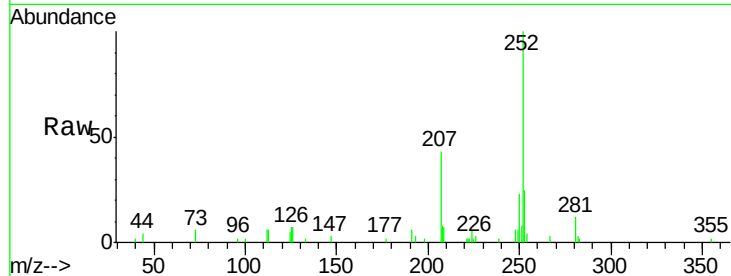
Tgt Ion:252 Resp: 32377

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

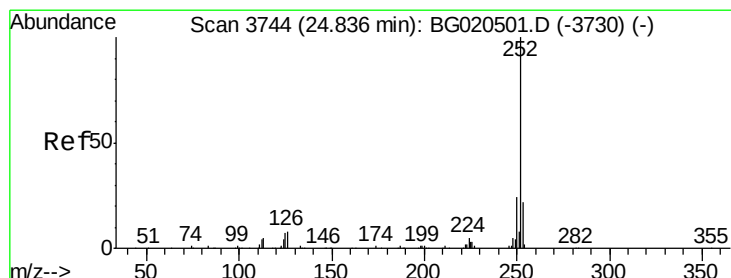
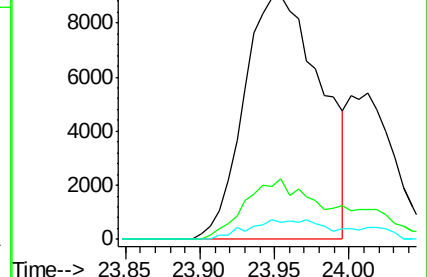
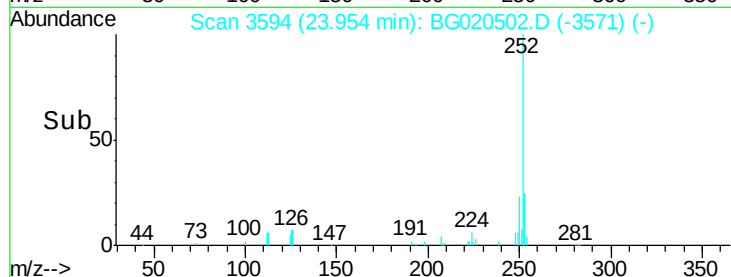
125 7.1 5.8 8.6



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: 1.38 ng/ul

RT: 24.83 min Scan# 3743

Delta R.T. -0.01 min

Lab File: BG020502.D

Acq: 25 Dec 2015 13:11

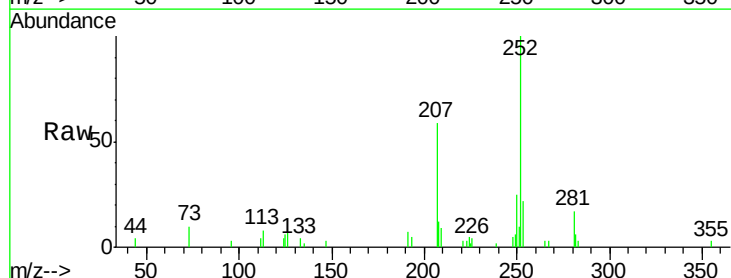
Tgt Ion:252 Resp: 17777

Ion Ratio Lower Upper

252 100

253 21.8 17.0 25.4

125 6.0 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

