

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
 Data File : BG020428.D
 Acq On : 23 Dec 2015 4:49
 Operator : UM/SJ
 Sample : G4849-09DL 30X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N73DL

Quant Time: Dec 23 07:43:34 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 23 07:35:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	17570	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	77041	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	54949	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	128430	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	155596	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	150375	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	7.25	99	515	0.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	487	0.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	595	0.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	519	0.39	ng/ul	0.00
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	9.98	143	219	0.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	732	0.54	ng/ul	0.01
29) 4-Chloroaniline-d4	11.03	131	756	0.50	ng/ul	0.00
44) Dimethylphthalate-d6	14.12	166	3112	0.70	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	3665	0.71	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.70	176	3055	0.76	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.56	188	4902	0.83	ng/ul	0.00
79) Pyrene-d10	19.84	212	4939	0.68	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	5314	0.71	ng/ul	0.00

Target Compounds

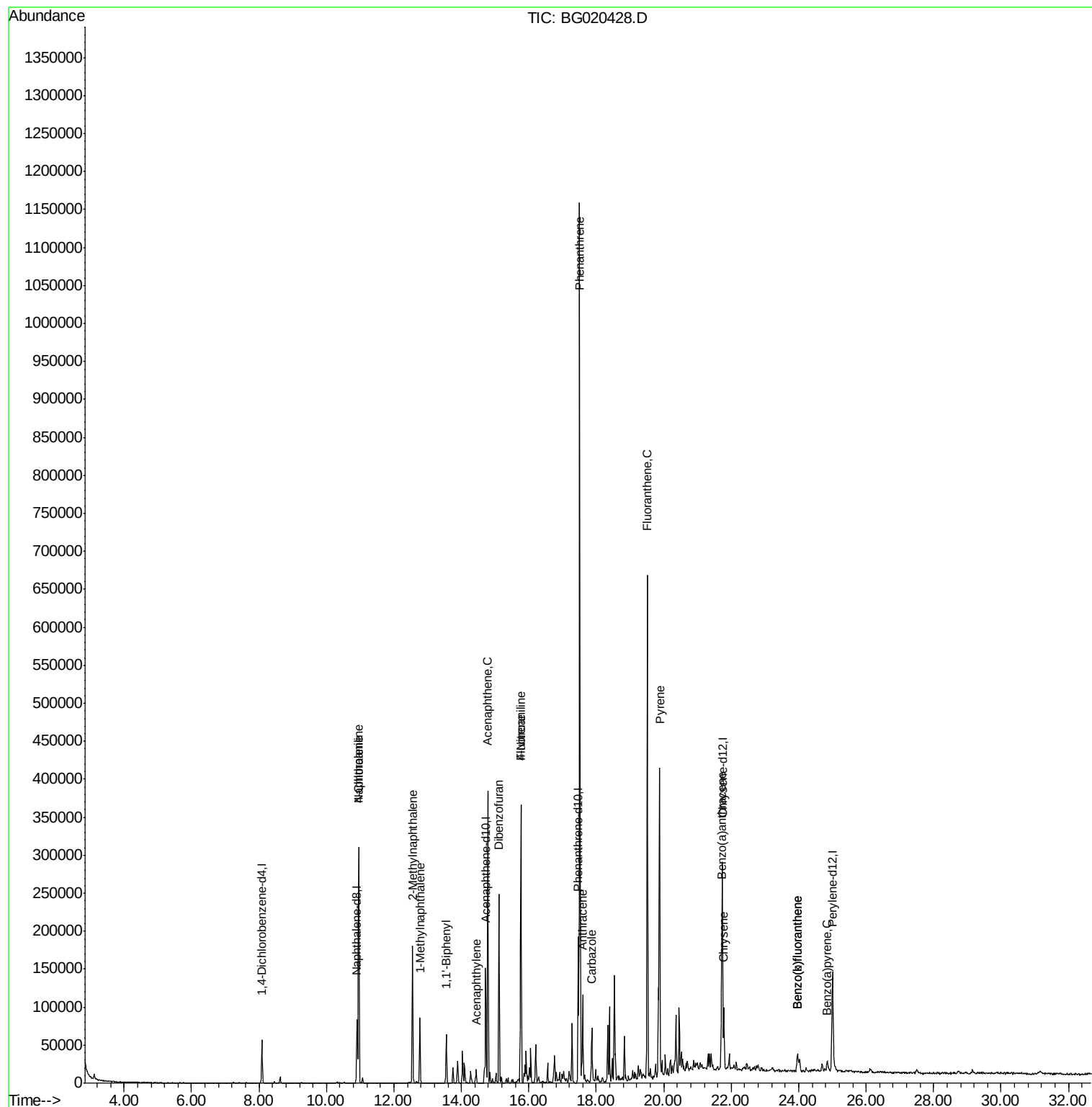
						Qvalue
28) Naphthalene	10.95	128	272628	67.76	ng/ul	98
30) 4-Chloroaniline	10.95	127	37439	24.12	ng/ul#	8
34) 2-Methylnaphthalene	12.55	142	87609	28.51	ng/ul	100
35) 1-Methylnaphthalene	12.77	142	41404	14.01	ng/ul	98
41) 1,1'-Biphenyl	13.55	154	36290	8.75	ng/ul#	92
48) Acenaphthylene	14.44	152	9530	1.73	ng/ul	95
50) Acenaphthene	14.78	153	164756	44.57	ng/ul	99
54) Dibenzofuran	15.12	168	173228	31.50	ng/ul	99
59) Fluorene	15.76	166	170822	38.69	ng/ul	99
61) 4-Nitroaniline	15.76	138	1926	1.95	ng/ul#	10
70) Phenanthrene	17.51	178	764155	108.78	ng/ul	98
72) Anthracene	17.60	178	80951	11.36	ng/ul	100
75) Carbazole	17.87	167	48960	8.18	ng/ul	99
77) Fluoranthene	19.51	202	452990	55.17	ng/ul	99
80) Pyrene	19.88	202	299180	31.77	ng/ul	97
83) Benzo(a)anthracene	21.71	228	72442	7.98	ng/ul	99
85) Chrysene	21.78	228	59257	6.93	ng/ul	96
88) Benzo(b)fluoranthene	23.97	252	33566	3.71	ng/ul	96
89) Benzo(k)fluoranthene	23.97	252	33566	3.86	ng/ul	98
91) Benzo(a)pyrene	24.85	252	19839	2.31	ng/ul	99

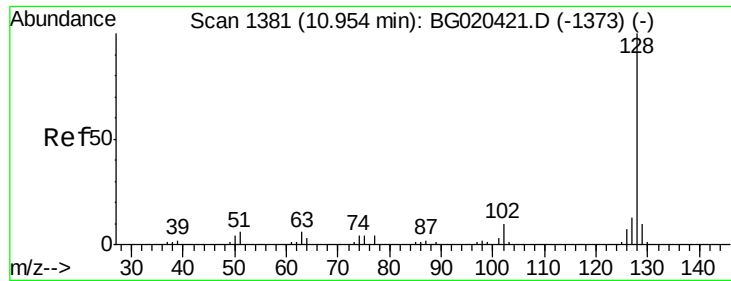
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 67.76 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. -0.00 min

Lab File: BG020428.D

Acq: 23 Dec 2015 4:49

Instrument :

BNA_G

ClientSampleId :

D9N73DL

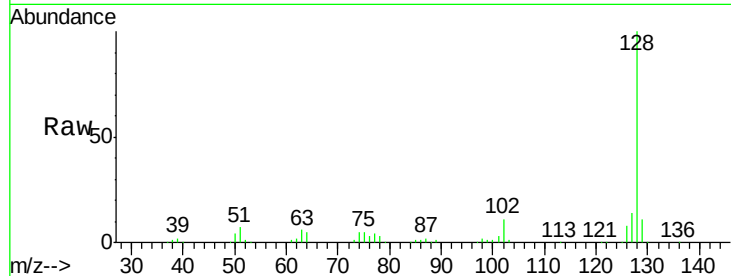
Tgt Ion:128 Resp: 272628

Ion Ratio Lower Upper

128 100

129 11.4 8.6 12.8

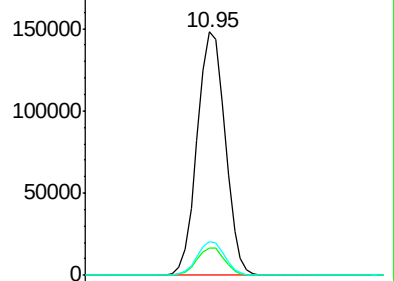
127 13.7 10.1 15.1



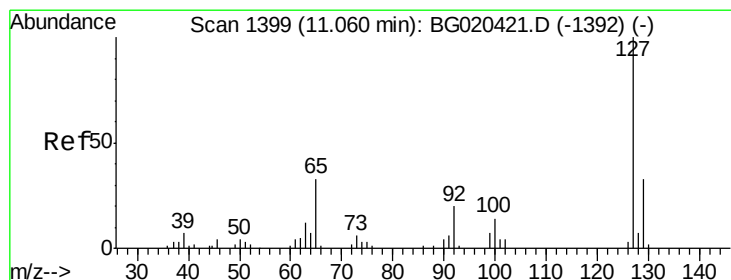
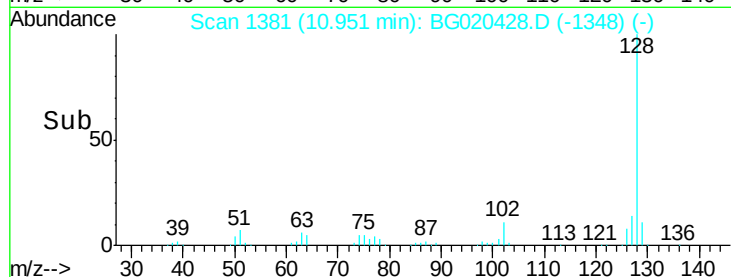
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#30

4-Chloroaniline

Concen: 24.12 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. -0.11 min

Lab File: BG020428.D

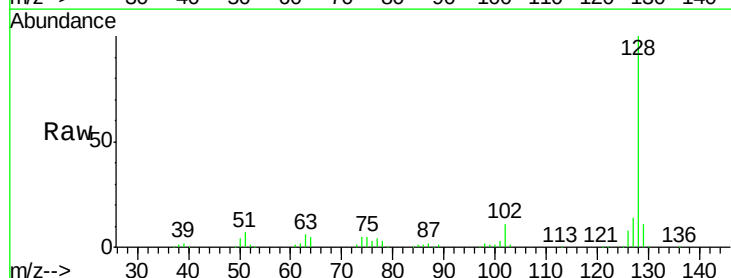
Acq: 23 Dec 2015 4:49

Tgt Ion:127 Resp: 37439

Ion Ratio Lower Upper

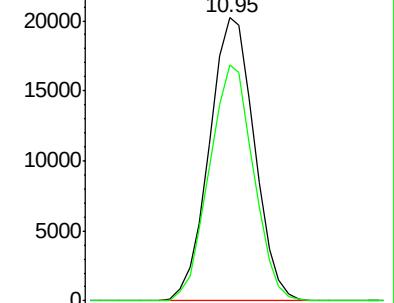
127 100

129 83.3 25.7 38.5#

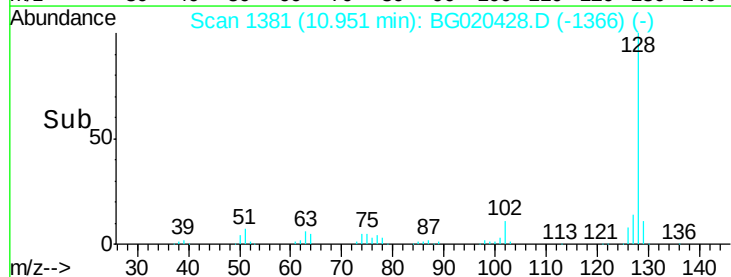


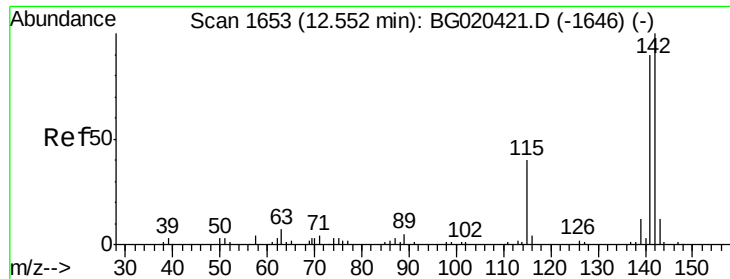
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E



Time-->

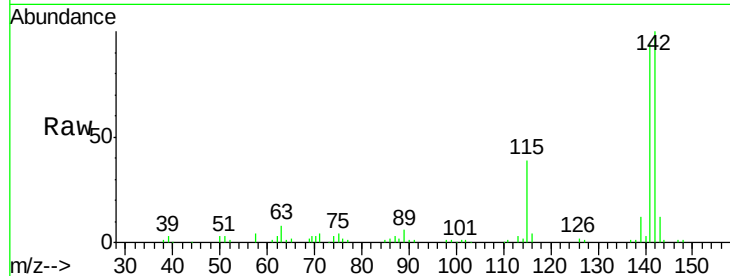




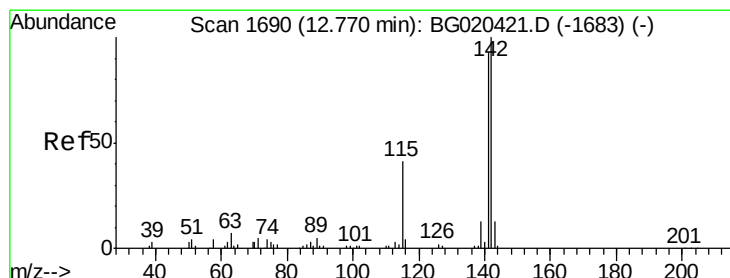
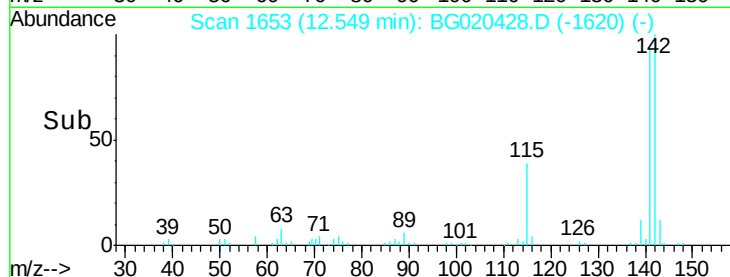
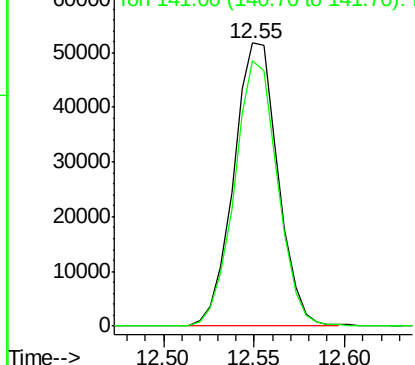
#34
 2-Methylnaphthalene
 Concen: 28.51 ng/ul
 RT: 12.55 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: BG020428.D
 Acq: 23 Dec 2015 4:49

Instrument :
 BNA_G
 ClientSampleId :
 D9N73DL

Tgt Ion:142 Resp: 87609
 Ion Ratio Lower Upper
 142 100
 141 93.6 74.9 112.3

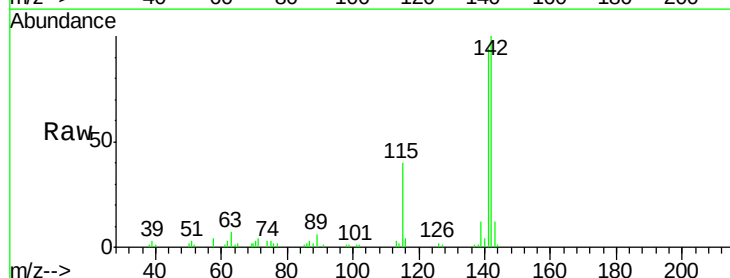


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

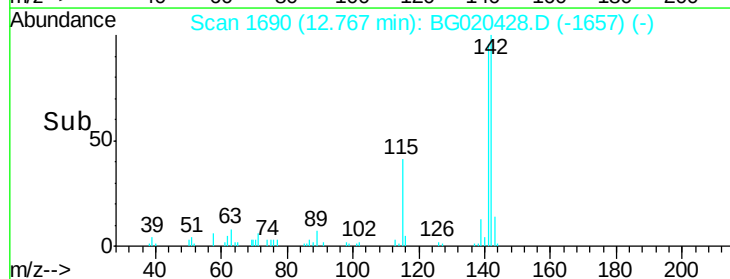
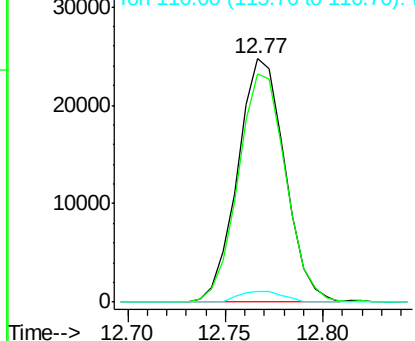


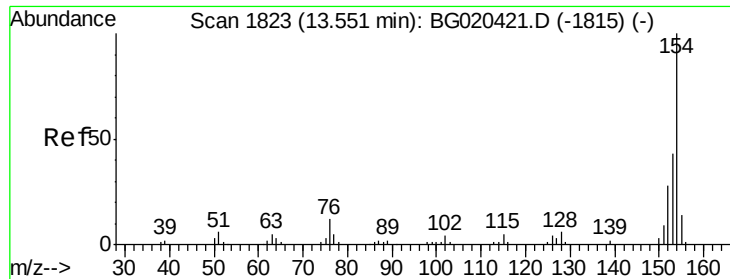
#35
 1-Methylnaphthalene
 Concen: 14.01 ng/ul
 RT: 12.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: BG020428.D
 Acq: 23 Dec 2015 4:49

Tgt Ion:142 Resp: 41404
 Ion Ratio Lower Upper
 142 100
 141 93.5 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

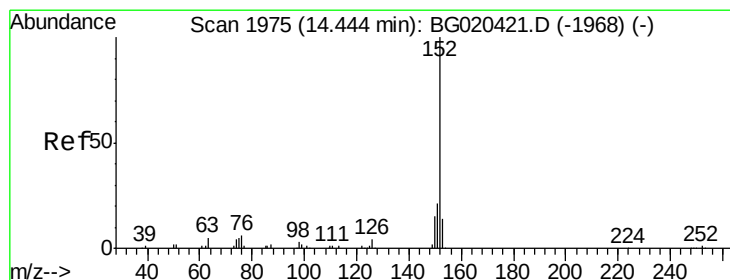
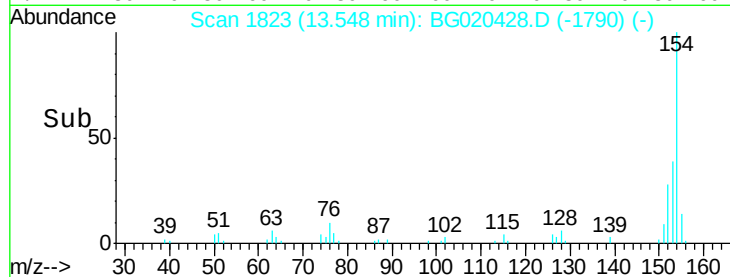
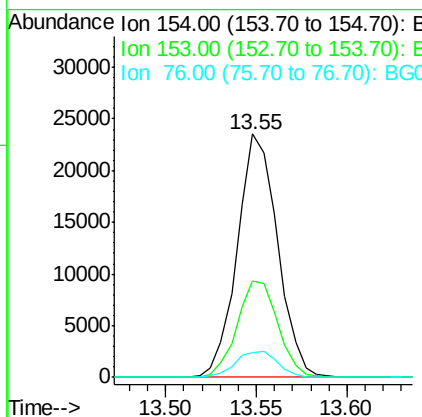
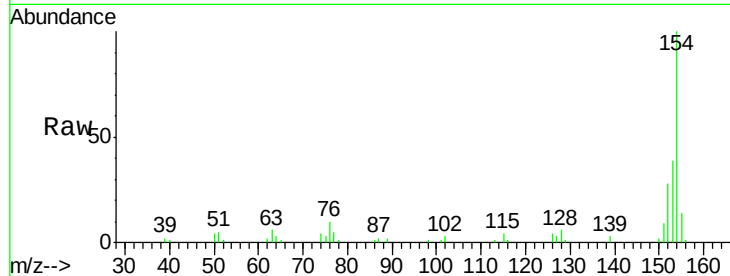




#41
 1,1'-Biphenyl
 Concen: 8.75 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BG020428.D
 Acq: 23 Dec 2015 4:49

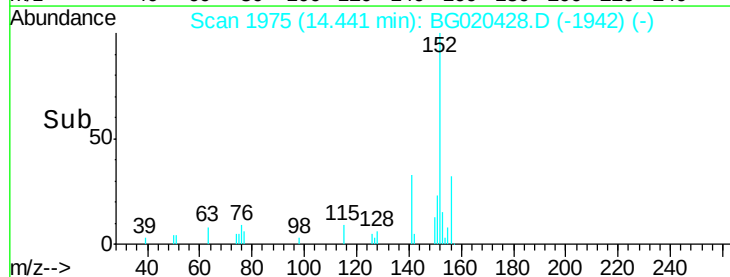
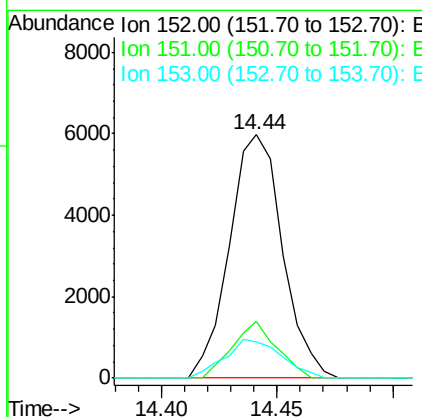
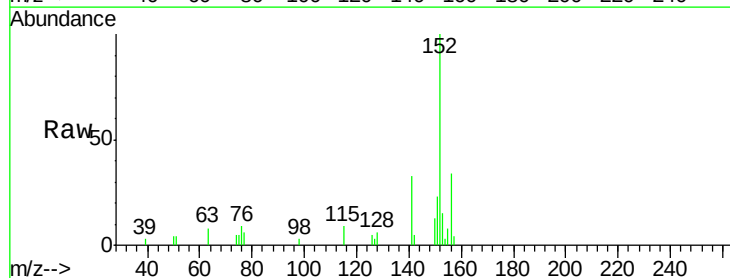
Instrument :
 BNA_G
 ClientSampleId :
 D9N73DL

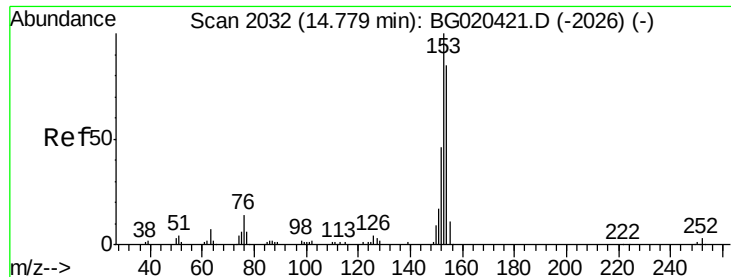
Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.4	35.5	53.3
76	10.3	10.4	15.6



#48
 Acenaphthylene
 Concen: 1.73 ng/ul
 RT: 14.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: BG020428.D
 Acq: 23 Dec 2015 4:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.1	16.4	24.6
153	14.9	10.4	15.6





#50

Acenaphthene

Concen: 44.57 ng/ul

RT: 14.78 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BG020428.D

Acq: 23 Dec 2015 4:49

Instrument :

BNA_G

ClientSampleId :

D9N73DL

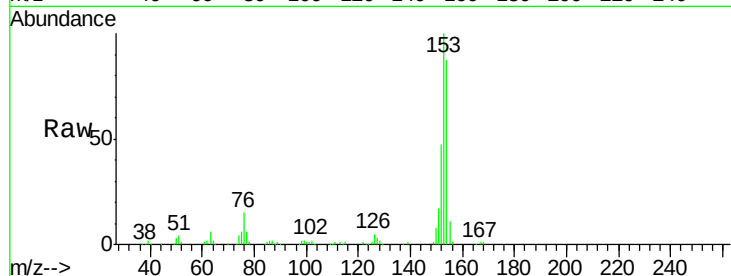
Tgt Ion:153 Resp: 164756

Ion Ratio Lower Upper

153 100

152 47.1 37.6 56.4

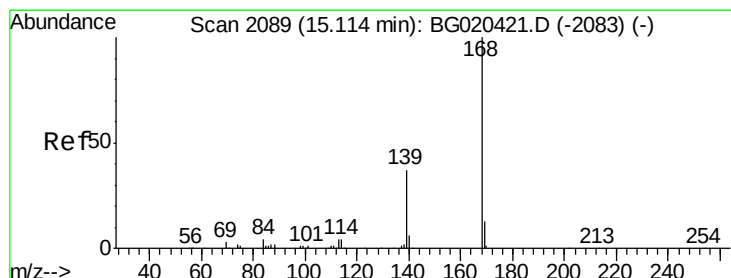
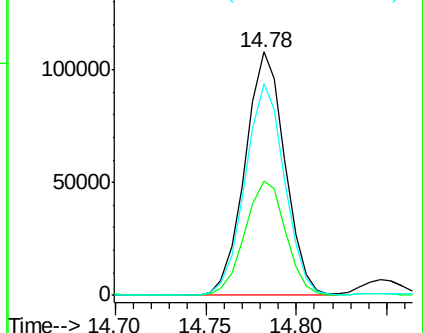
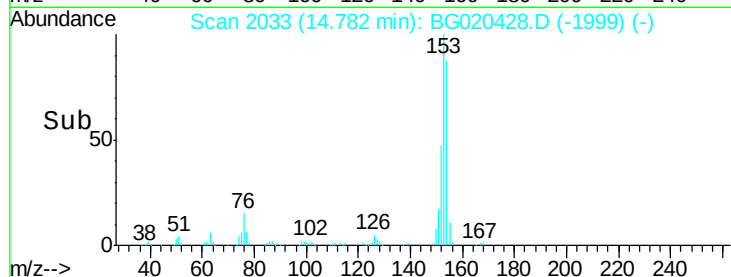
154 86.9 67.9 101.9



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: 31.50 ng/ul

RT: 15.12 min Scan# 2090

Delta R.T. 0.00 min

Lab File: BG020428.D

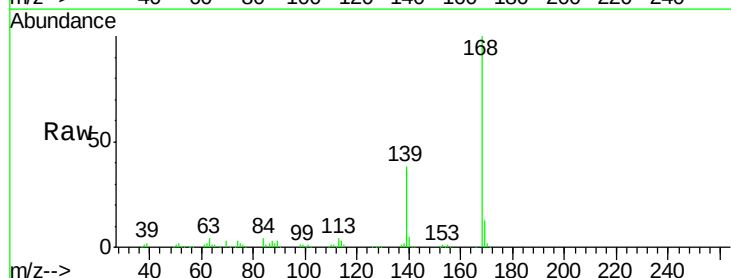
Acq: 23 Dec 2015 4:49

Tgt Ion:168 Resp: 173228

Ion Ratio Lower Upper

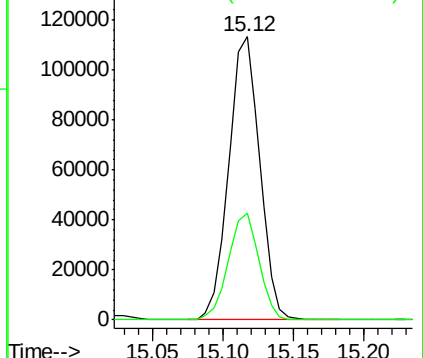
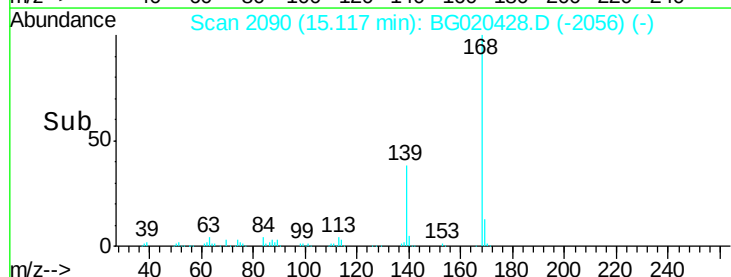
168 100

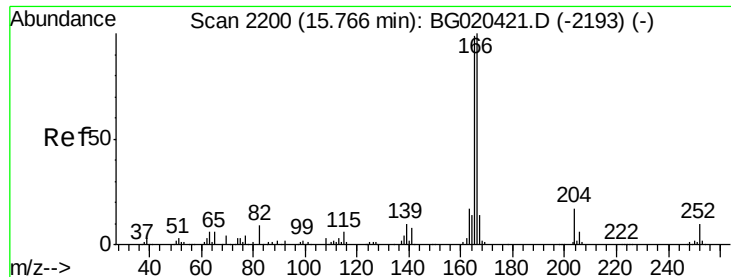
139 37.6 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 38.69 ng/ul

RT: 15.76 min Scan# 2200

Delta R.T. -0.00 min

Lab File: BG020428.D

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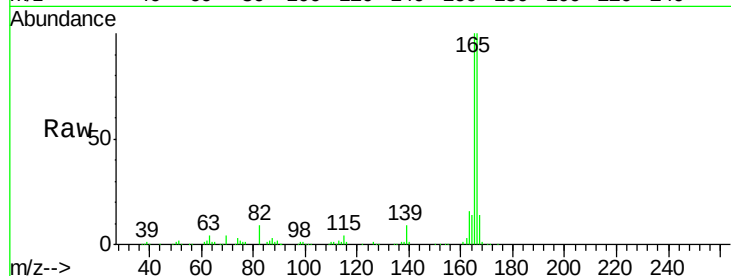
Tgt Ion:166 Resp: 170822

Ion Ratio Lower Upper

166 100

165 100.4 81.4 122.0

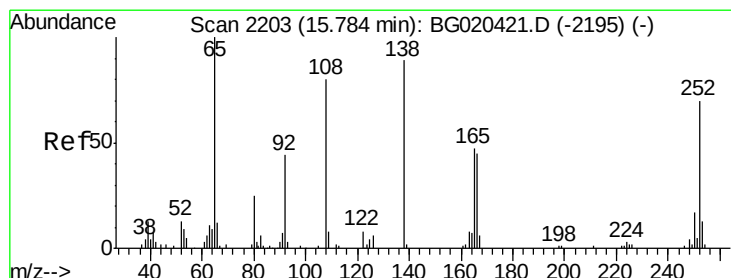
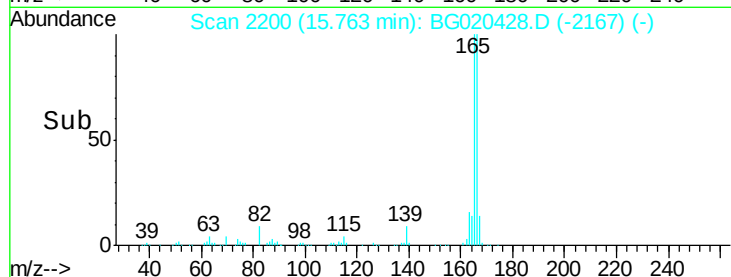
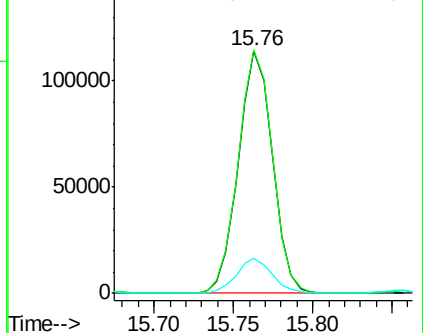
167 14.4 11.2 16.8



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: 1.95 ng/ul

RT: 15.76 min Scan# 2200

Delta R.T. -0.02 min

Lab File: BG020428.D

Acq: 23 Dec 2015 4:49

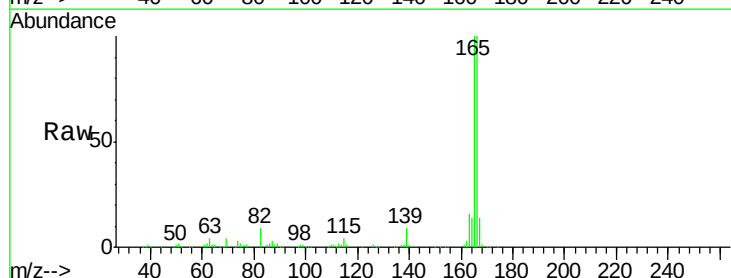
Tgt Ion:138 Resp: 1926

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

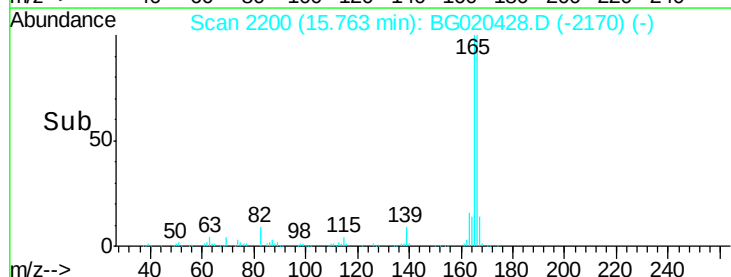
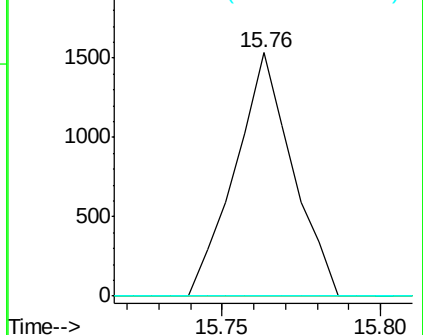
108 0.0 75.4 113.0#

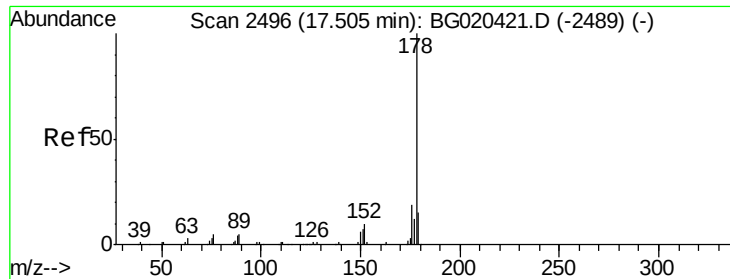


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG0

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 108.78 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. 0.00 min

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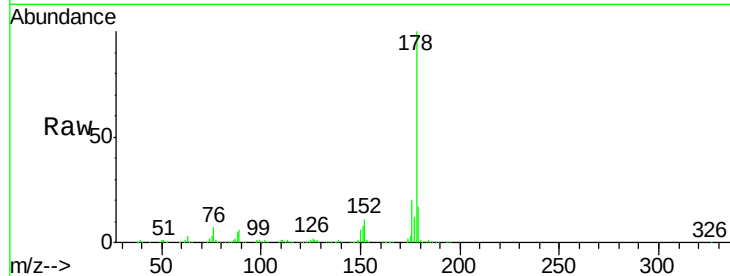
Tgt Ion:178 Resp: 764155

Ion Ratio Lower Upper

178 100

179 16.7 12.9 19.3

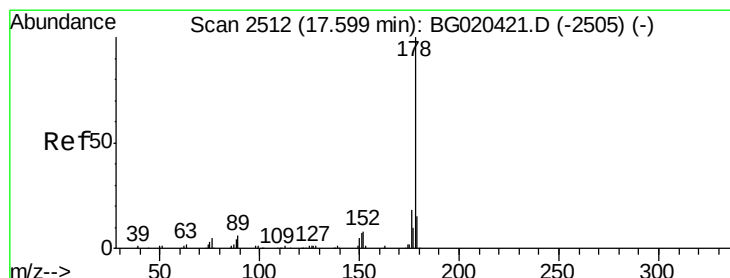
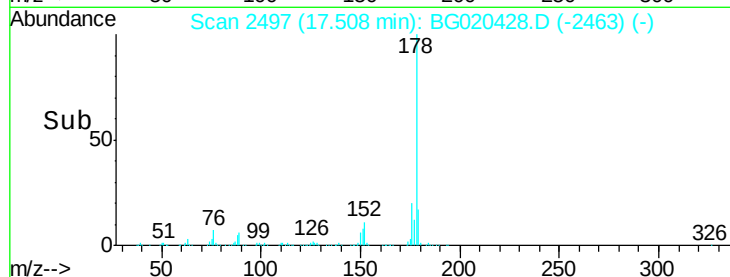
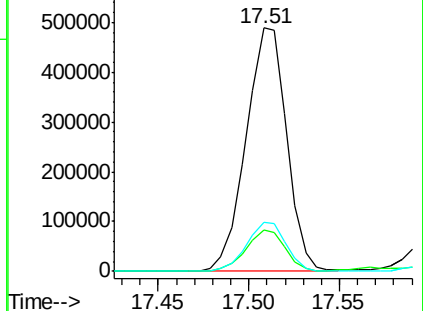
176 20.4 15.3 22.9



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: 11.36 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. -0.00 min

Lab File: BG020428.D

Acq: 23 Dec 2015 4:49

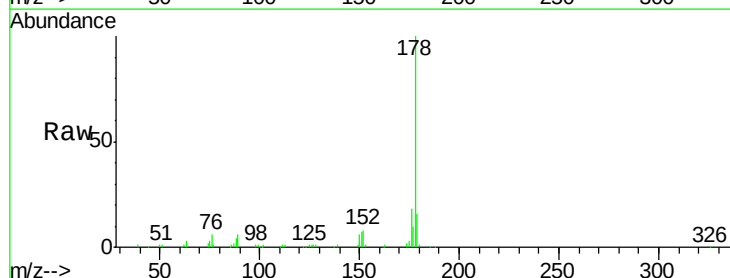
Tgt Ion:178 Resp: 80951

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

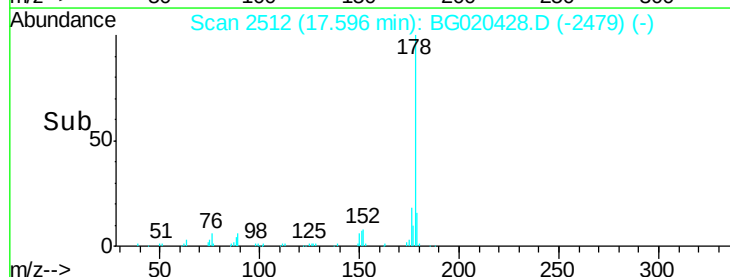
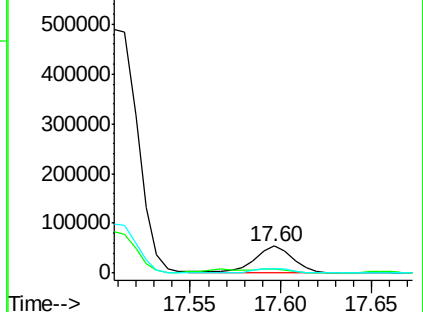
176 17.9 14.3 21.5

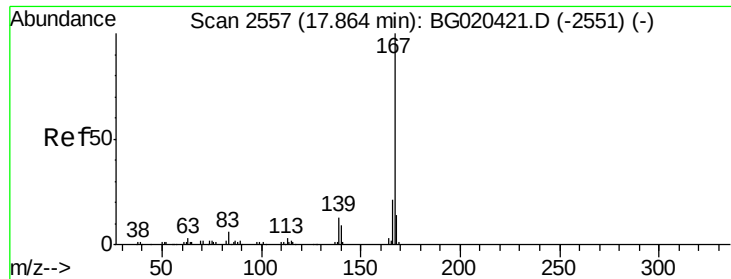


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 8.18 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. 0.00 min

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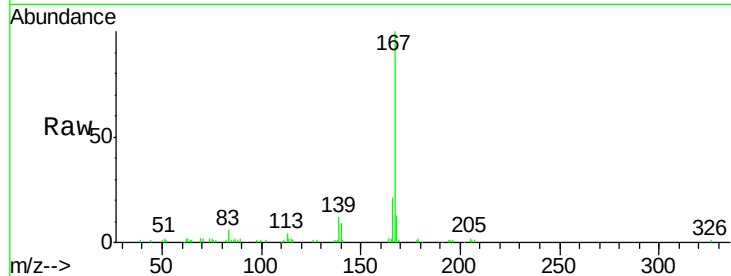
Tgt Ion:167 Resp: 48960

Ion Ratio Lower Upper

167 100

166 20.8 17.0 25.6

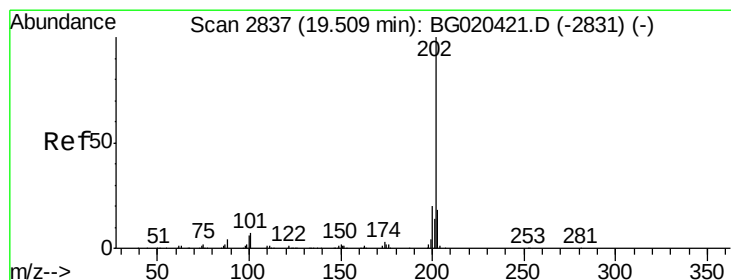
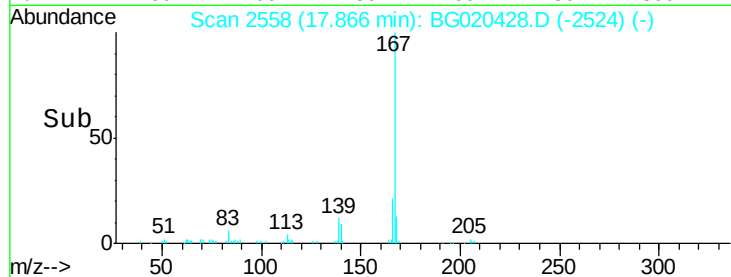
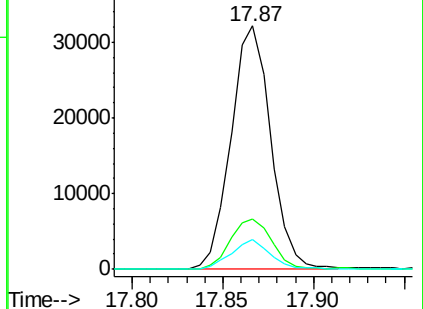
139 12.3 10.1 15.1



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: 55.17 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. 0.00 min

Lab File: BG020428.D

Acq: 23 Dec 2015 4:49

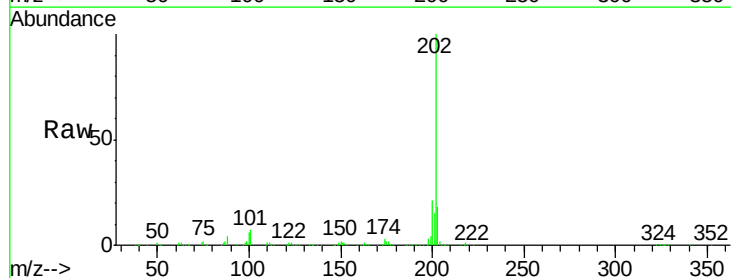
Tgt Ion:202 Resp: 452990

Ion Ratio Lower Upper

202 100

101 7.5 6.2 9.4

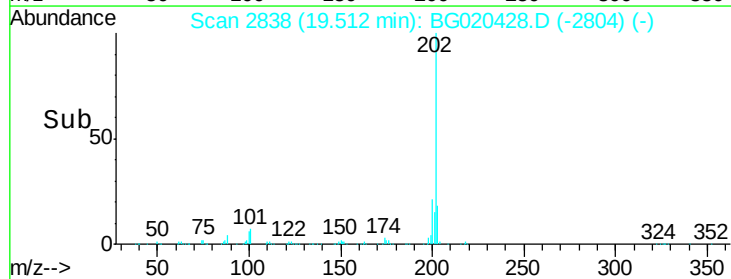
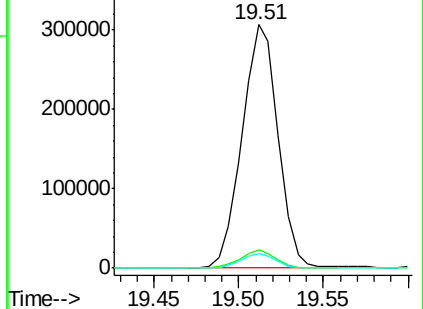
100 6.2 5.1 7.7

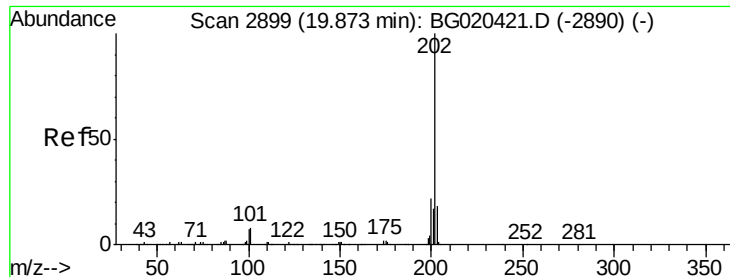


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

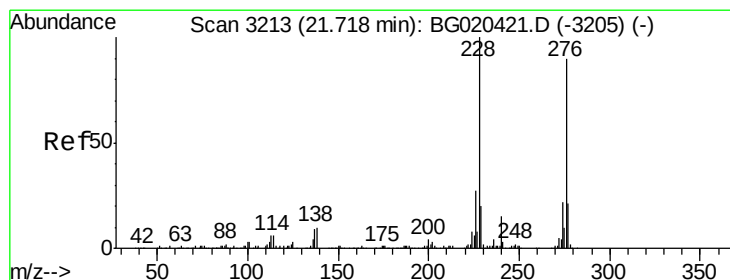
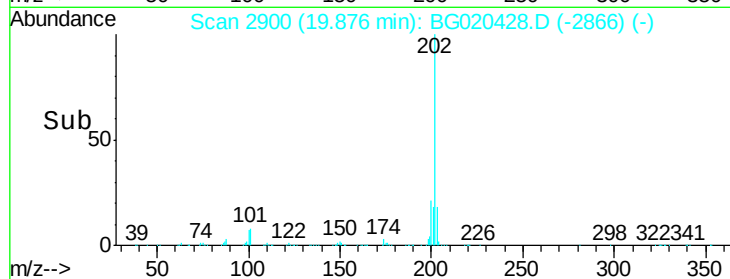
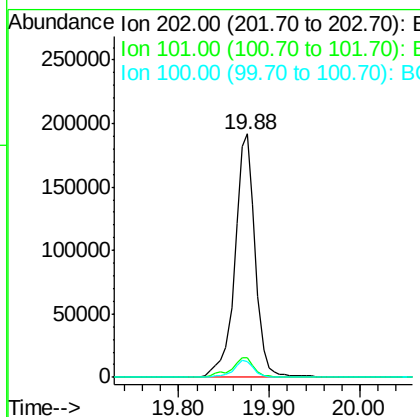
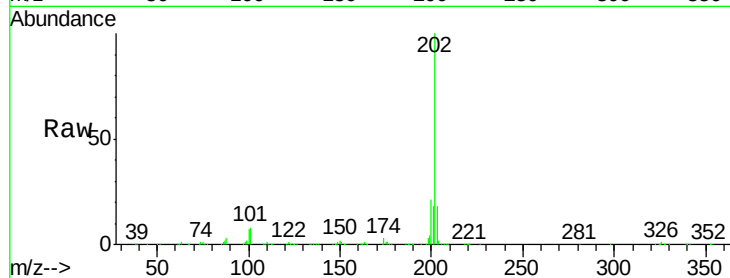




#80
 Pyrene
 Concen: 31.77 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: BG020428.D
 Acq: 23 Dec 2015 4:49

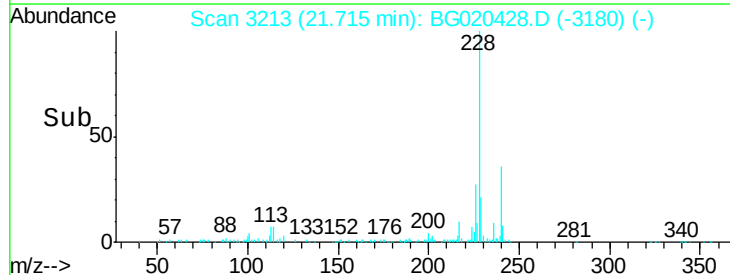
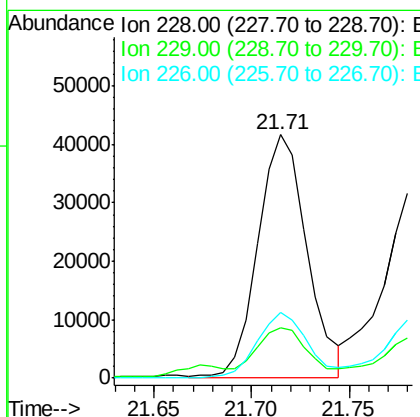
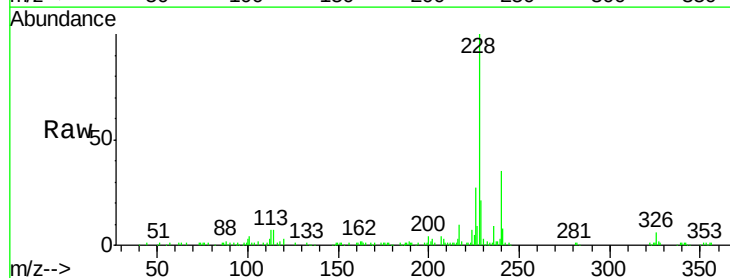
Instrument :
 BNA_G
 ClientSampleId :
 D9N73DL

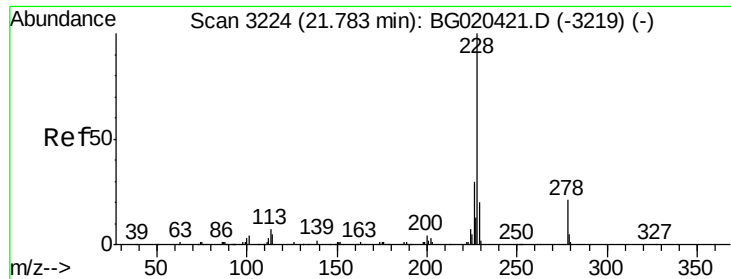
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	7.0	10.4
100	6.7	6.4	9.6



#83
 Benzo(a)anthracene
 Concen: 7.98 ng/ul
 RT: 21.71 min Scan# 3213
 Delta R.T. -0.00 min
 Lab File: BG020428.D
 Acq: 23 Dec 2015 4:49

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.8	23.8
226	26.8	21.8	32.6





#85

Chrysene

Concen: 6.93 ng/ul

RT: 21.78 min Scan# 3224

Delta R.T. -0.00 min

Lab File: BG020428.D

Acq: 23 Dec 2015 4:49

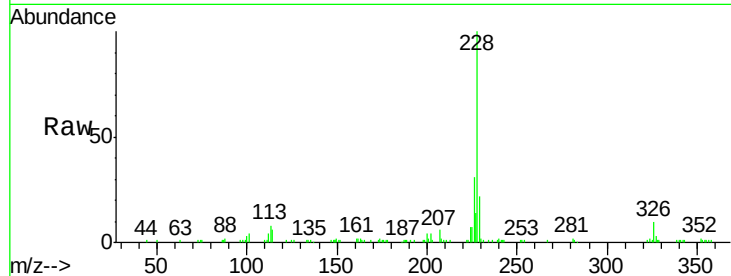
Instrument :

BNA_G

ClientSampleId :

D9N73DL

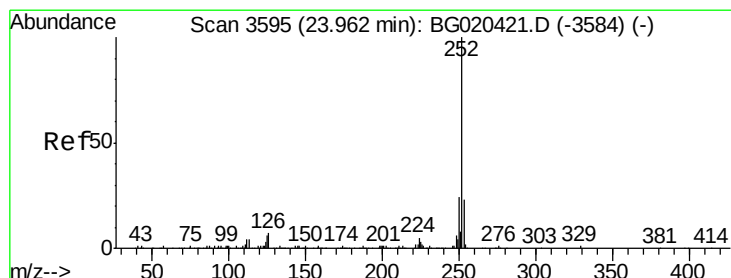
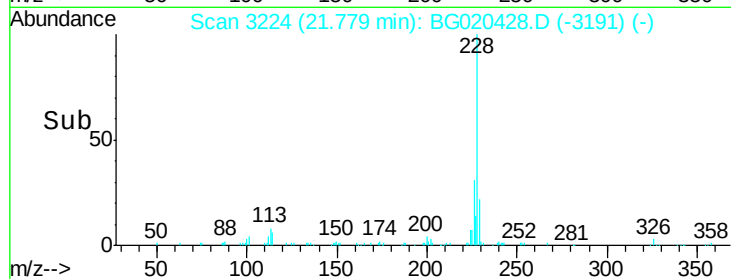
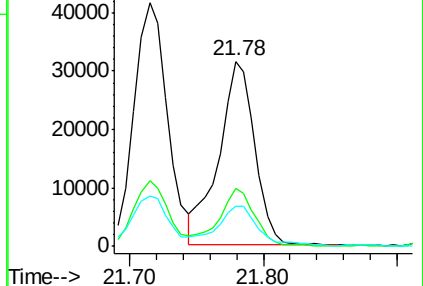
Tgt Ion:	228	Resp:	59257
Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.9	35.9
229	21.8	15.6	23.4



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: 3.71 ng/ul

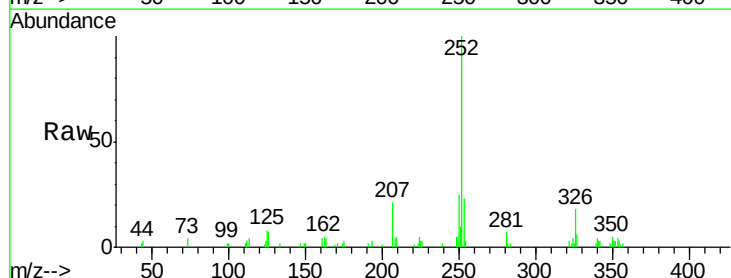
RT: 23.97 min Scan# 3596

Delta R.T. 0.00 min

Lab File: BG020428.D

Acq: 23 Dec 2015 4:49

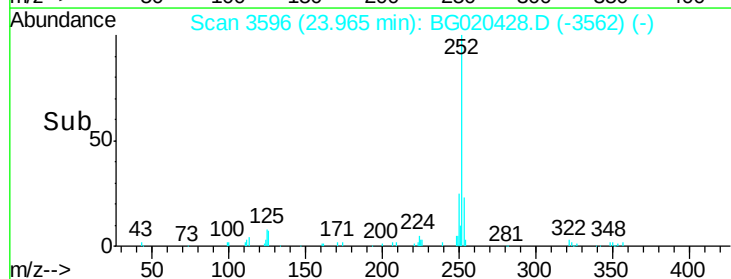
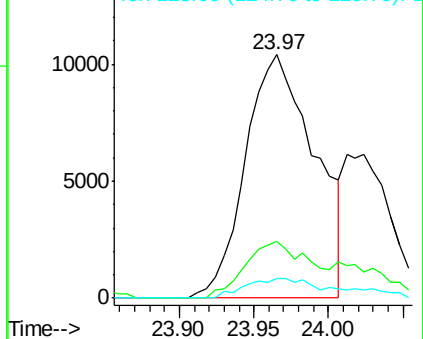
Tgt Ion:	252	Resp:	33566
Ion	Ratio	Lower	Upper
252	100		
253	23.5	16.7	25.1
125	7.9	6.2	9.2

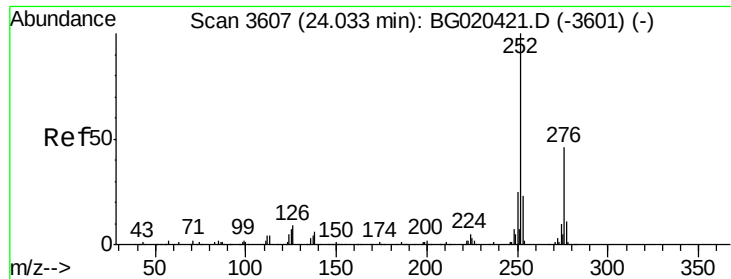


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.86 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. -0.07 min

Lab File: BG020428.D

Acq: 23 Dec 2015 4:49

Instrument :

BNA_G

ClientSampleId :

D9N73DL

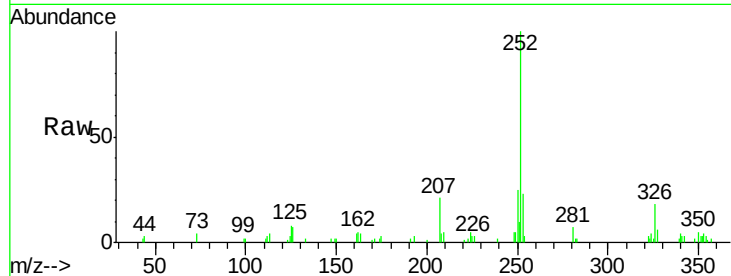
Tgt Ion:252 Resp: 33566

Ion Ratio Lower Upper

252 100

253 23.5 17.9 26.9

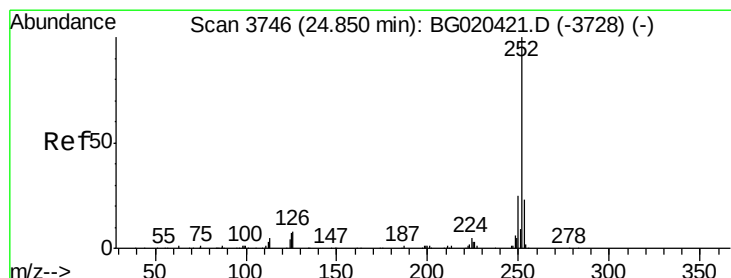
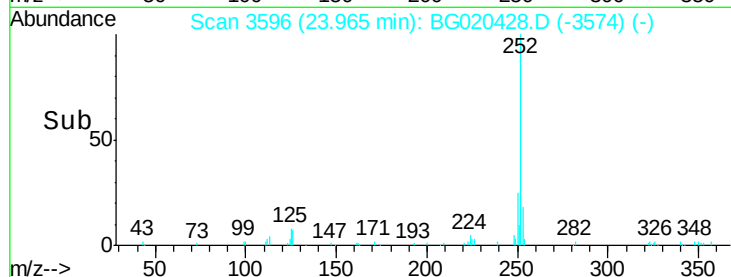
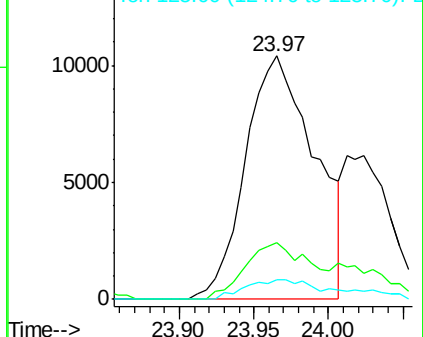
125 7.9 5.8 8.6



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: 2.31 ng/ul

RT: 24.85 min Scan# 3746

Delta R.T. -0.00 min

Lab File: BG020428.D

Acq: 23 Dec 2015 4:49

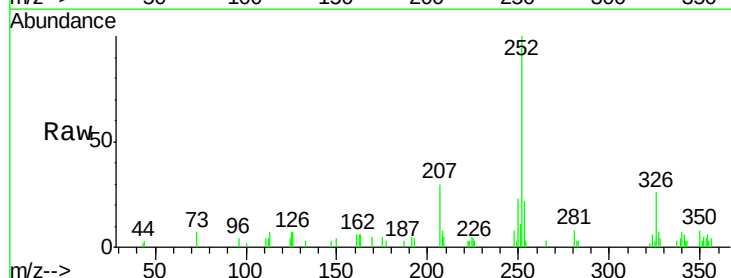
Tgt Ion:252 Resp: 19839

Ion Ratio Lower Upper

252 100

253 21.9 17.0 25.4

125 7.3 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

