

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
 Data File : BG020451.D
 Acq On : 23 Dec 2015 20:07
 Operator : UM/SJ
 Sample : G4848-07DL 25X
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N53DL

Quant Time: Dec 24 02:50:50 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 02:43:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	21332	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	93609	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	68430	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	164974	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	202507	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	188816	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	1234	0.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	844	0.75	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	1048	0.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	1055	0.66	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	299	0.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	544	0.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	1306	0.79	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	1232	0.67	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	5805	1.05	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	6582	1.02	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.70	176	5327	1.06	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.82	200	65	0.07	ng/ul	0.00
71) Anthracene-d10	17.46	188	164974	21.70	ng/ul	-0.10
79) Pyrene-d10	19.84	212	9284	0.98	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	9455	1.00	ng/ul	0.00

Target Compounds

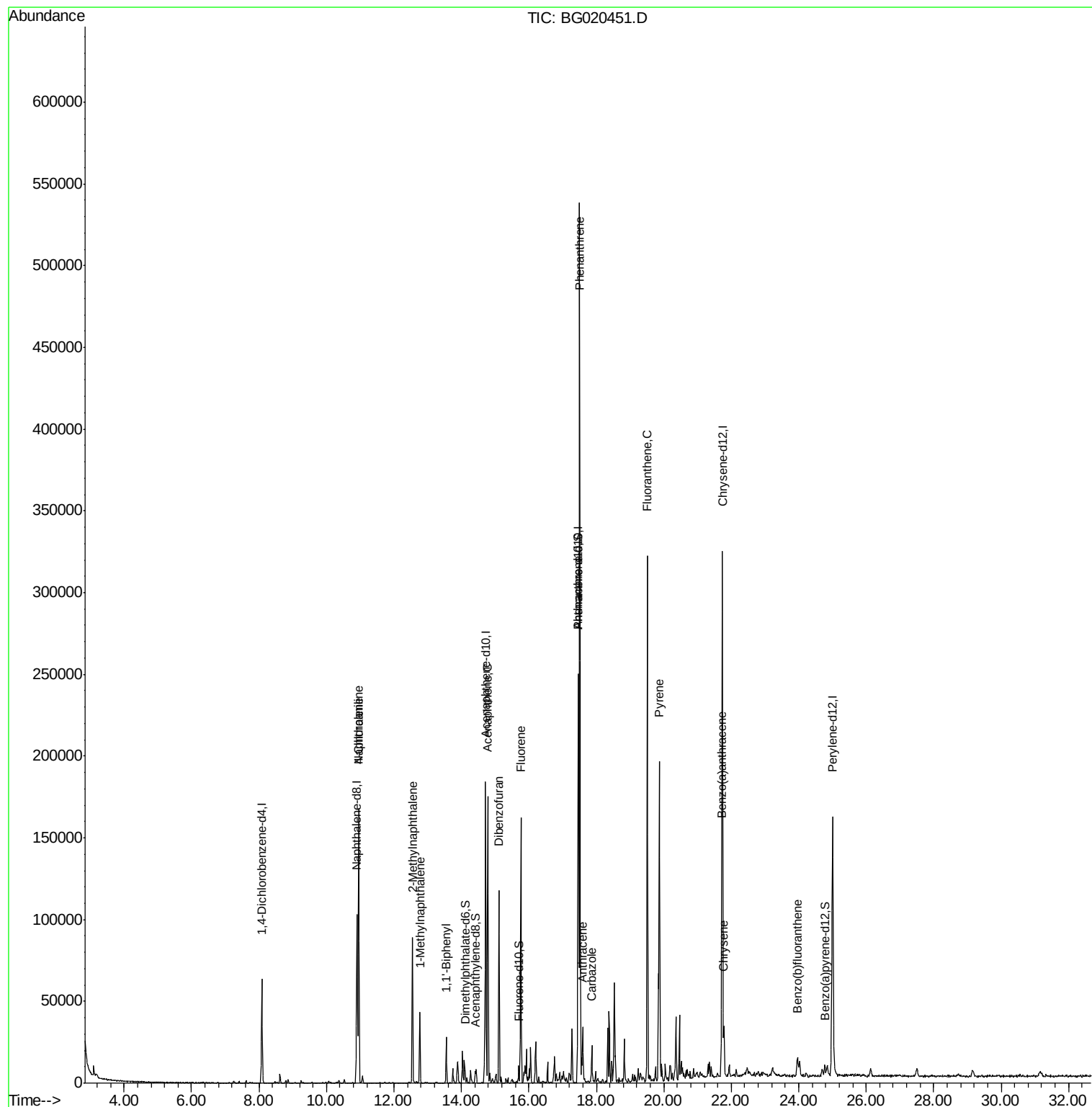
						Qvalue
28) Naphthalene	10.95	128	151742	31.04	ng/ul	99
30) 4-Chloroaniline	10.95	127	19753	10.47	ng/ul#	2
34) 2-Methylnaphthalene	12.55	142	45529	12.19	ng/ul	99
35) 1-Methylnaphthalene	12.77	142	21650	6.03	ng/ul	97
41) 1,1'-Biphenyl	13.55	154	16820	3.26	ng/ul	92
50) Acenaphthene	14.78	153	78252	17.00	ng/ul	99
54) Dibenzofuran	15.11	168	79741	11.64	ng/ul	99
59) Fluorene	15.76	166	76731	13.95	ng/ul	99
70) Phenanthrene	17.50	178	344281	38.15	ng/ul	99
72) Anthracene	17.59	178	25547	2.79	ng/ul	97
75) Carbazole	17.86	167	16774	2.18	ng/ul	100
77) Fluoranthene	19.51	202	212267	20.13	ng/ul	99
80) Pyrene	19.87	202	142223	11.60	ng/ul	97
83) Benzo(a)anthracene	21.71	228	33761	2.86	ng/ul	99
85) Chrysene	21.78	228	29038	2.61	ng/ul	94
88) Benzo(b)fluoranthene	23.97	252	17094	1.50	ng/ul	96

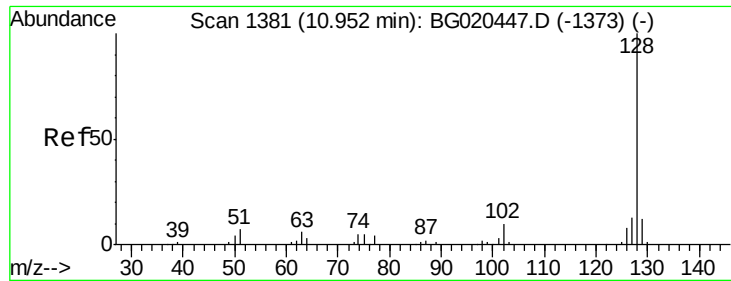
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 24 02:43:25 2015
Response via : Initial Calibration





#28

Naphthalene

Concen: 31.04 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. 0.00 min

Lab File: BG020451.D

Acq: 23 Dec 2015 20:07

Instrument :

BNA_G

ClientSampleId :

D9N53DL

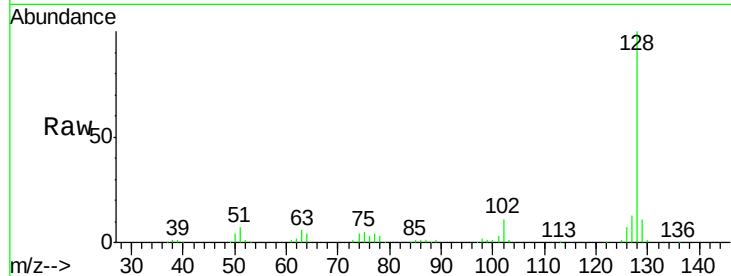
Tgt Ion:128 Resp: 151742

Ion Ratio Lower Upper

128 100

129 11.2 8.6 12.8

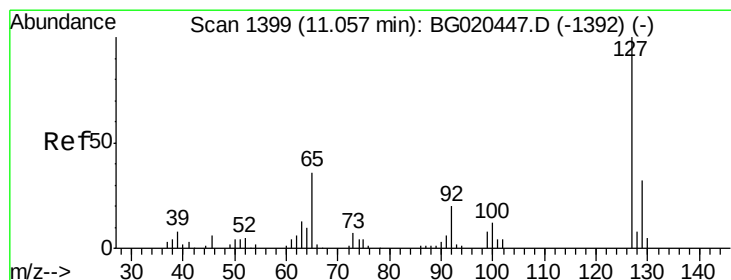
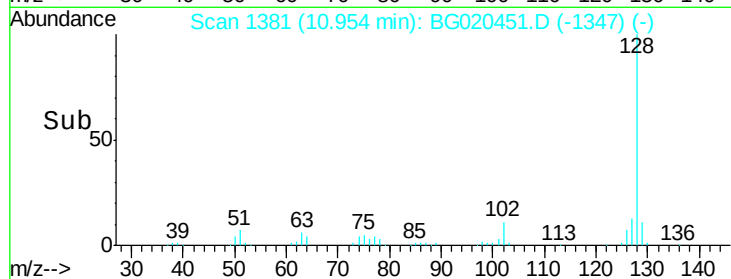
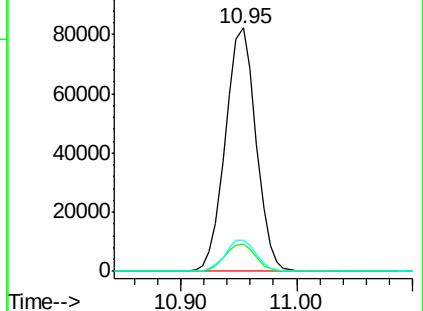
127 12.9 10.1 15.1



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: 10.47 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. -0.10 min

Lab File: BG020451.D

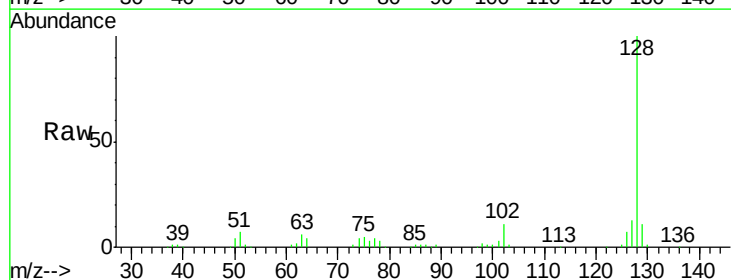
Acq: 23 Dec 2015 20:07

Tgt Ion:127 Resp: 19753

Ion Ratio Lower Upper

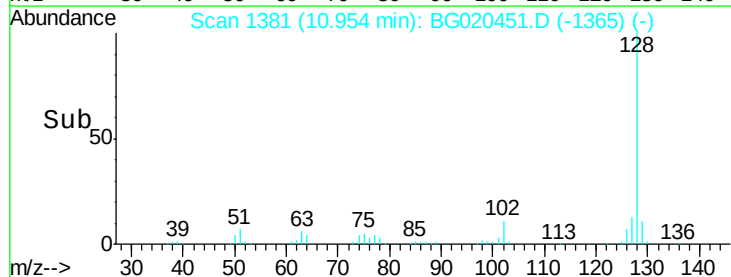
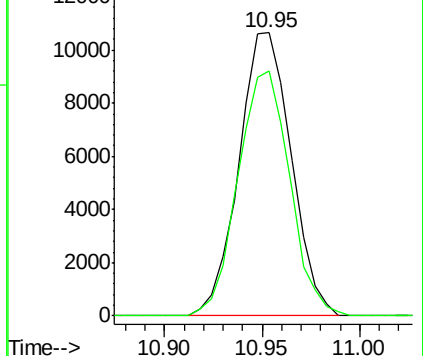
127 100

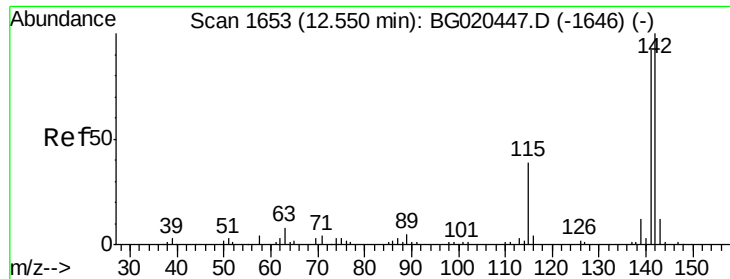
129 86.6 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

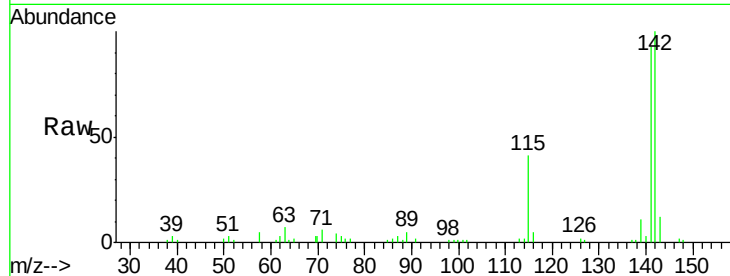




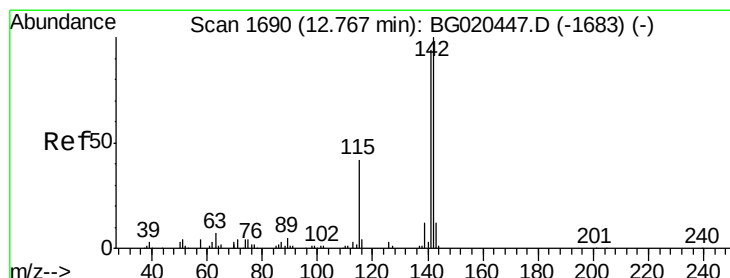
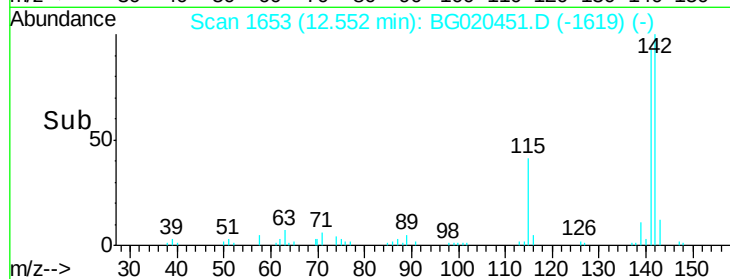
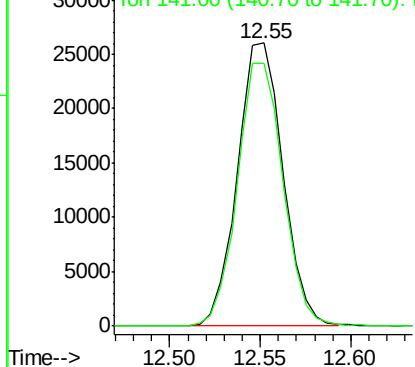
#34
 2-Methylnaphthalene
 Concen: 12.19 ng/ul
 RT: 12.55 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: BG020451.D
 Acq: 23 Dec 2015 20:07

Instrument :
 BNA_G
 ClientSampleId :
 D9N53DL

Tgt Ion:142 Resp: 45529
 Ion Ratio Lower Upper
 142 100
 141 92.7 74.9 112.3

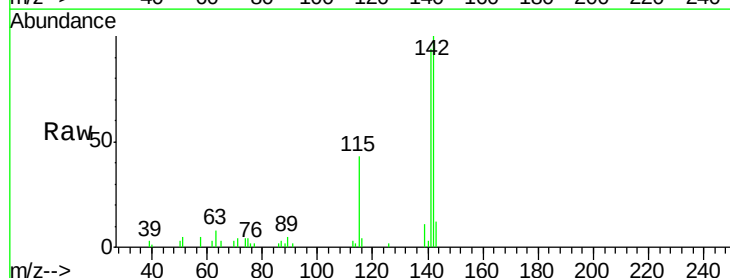


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

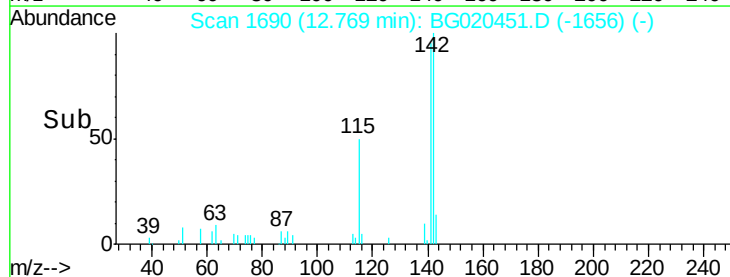
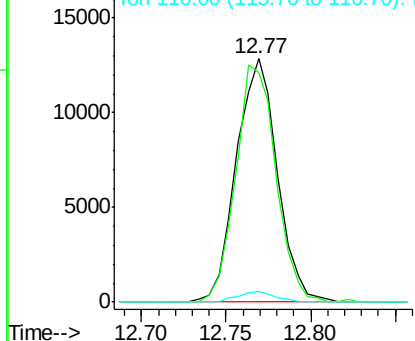


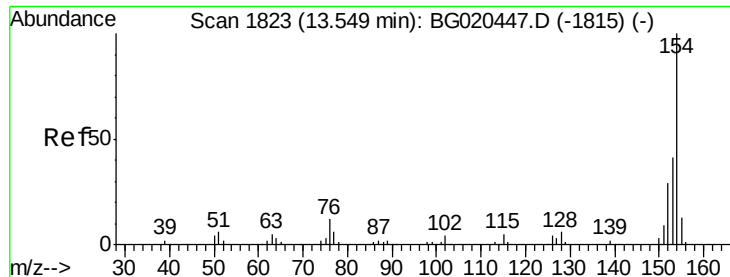
#35
 1-Methylnaphthalene
 Concen: 6.03 ng/ul
 RT: 12.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: BG020451.D
 Acq: 23 Dec 2015 20:07

Tgt Ion:142 Resp: 21650
 Ion Ratio Lower Upper
 142 100
 141 94.3 73.0 109.6
 116 4.2 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

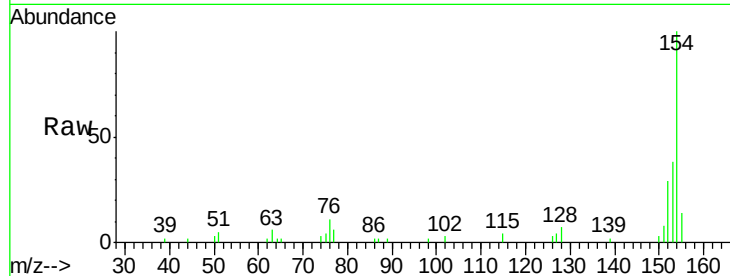




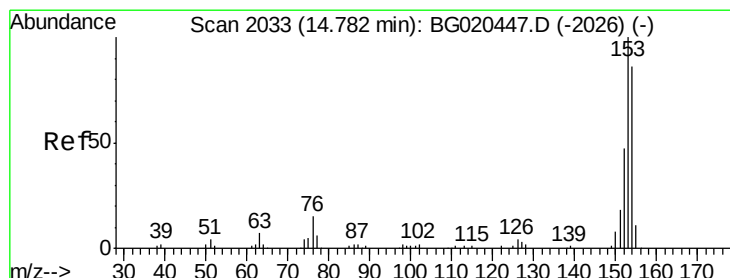
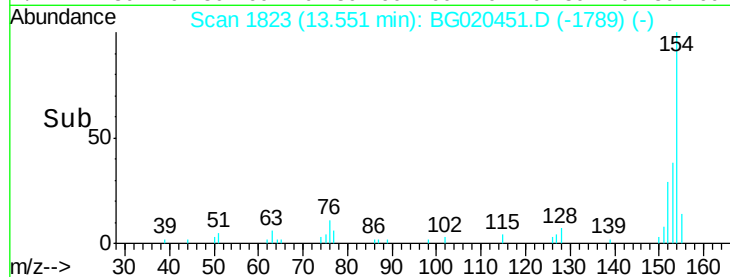
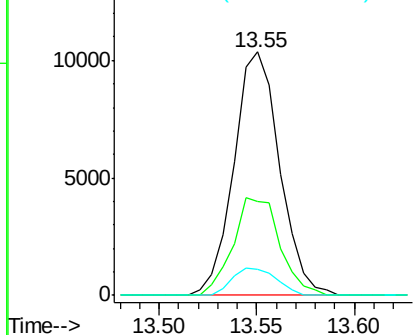
#41
 1,1'-Biphenyl
 Concen: 3.26 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BG020451.D
 Acq: 23 Dec 2015 20:07

Instrument :
 BNA_G
 ClientSampleId :
 D9N53DL

Tgt Ion:154 Resp: 16820
 Ion Ratio Lower Upper
 154 100
 153 38.5 35.5 53.3
 76 10.8 10.4 15.6

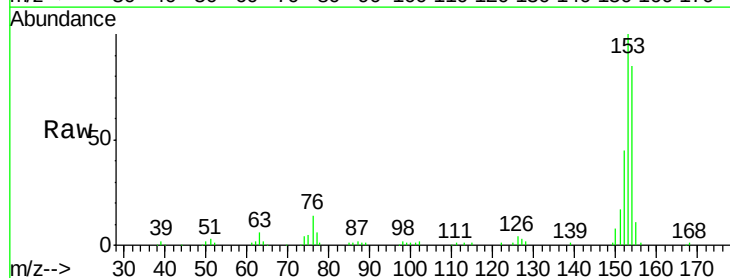


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

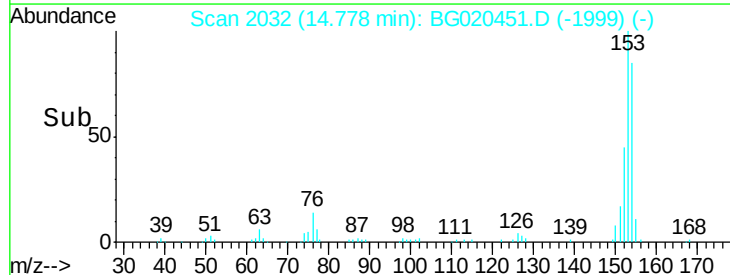
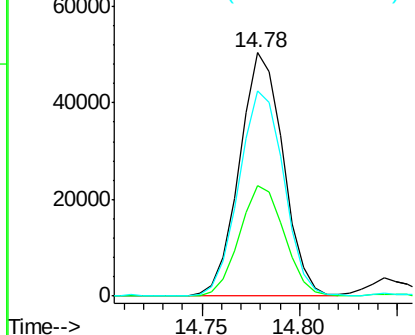


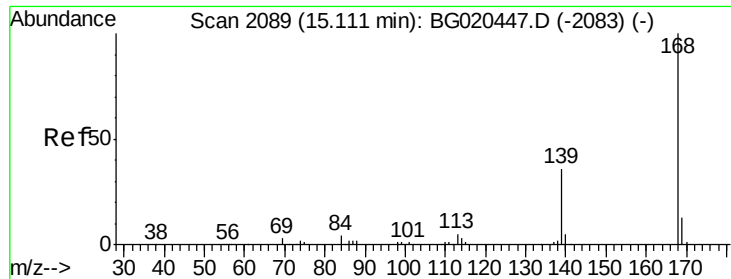
#50
 Acenaphthene
 Concen: 17.00 ng/ul
 RT: 14.78 min Scan# 2032
 Delta R.T. -0.00 min
 Lab File: BG020451.D
 Acq: 23 Dec 2015 20:07

Tgt Ion:153 Resp: 78252
 Ion Ratio Lower Upper
 153 100
 152 45.2 37.6 56.4
 154 84.5 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: 11.64 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BG020451.D

Acq: 23 Dec 2015 20:07

Instrument :

BNA_G

ClientSampleId :

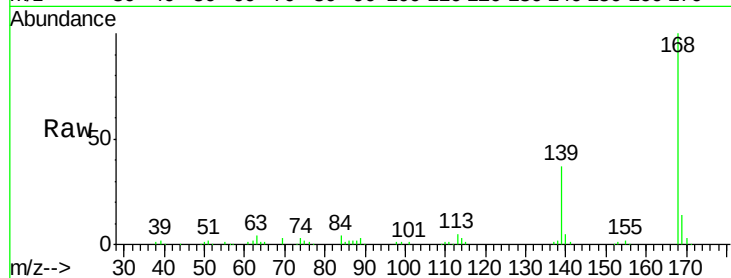
D9N53DL

Tgt Ion:168 Resp: 79741

Ion Ratio Lower Upper

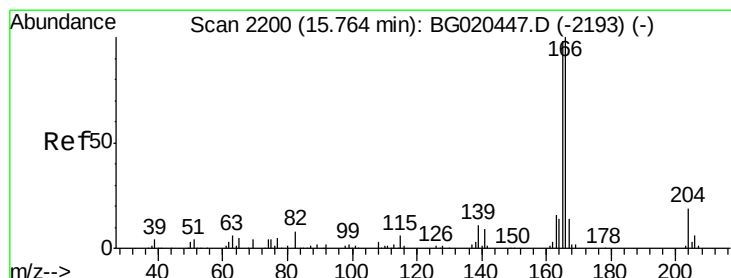
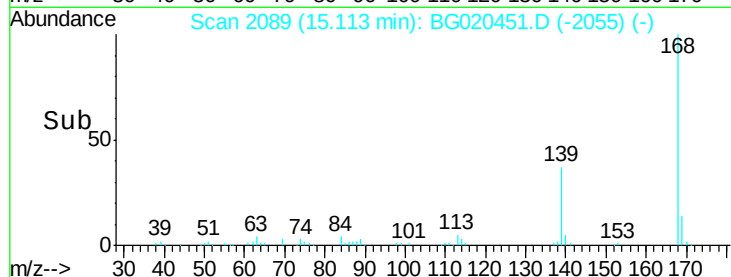
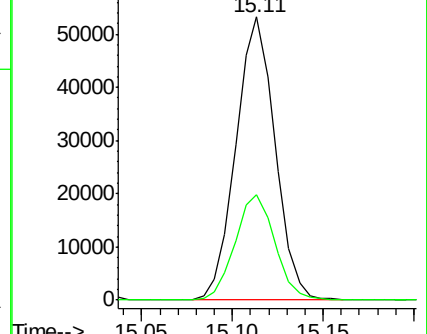
168 100

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: 13.95 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG020451.D

Acq: 23 Dec 2015 20:07

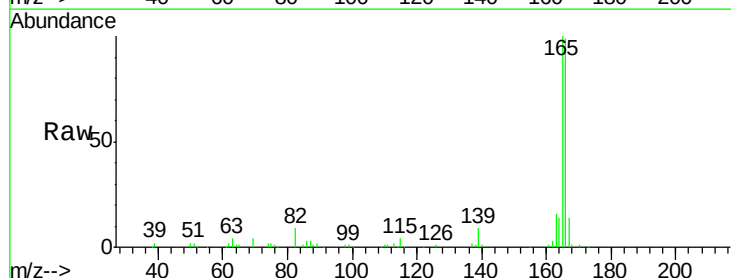
Tgt Ion:166 Resp: 76731

Ion Ratio Lower Upper

166 100

165 101.1 81.4 122.0

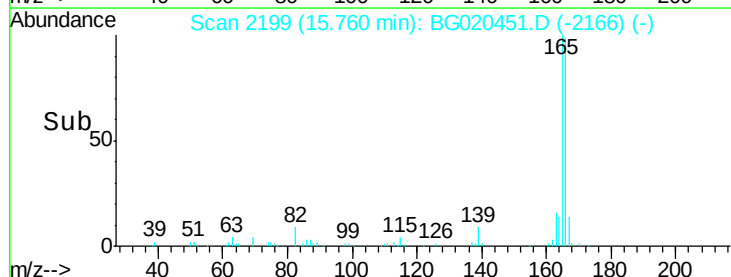
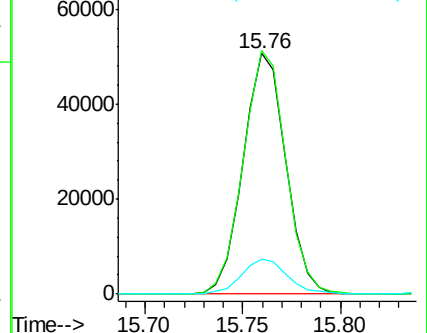
167 14.6 11.2 16.8

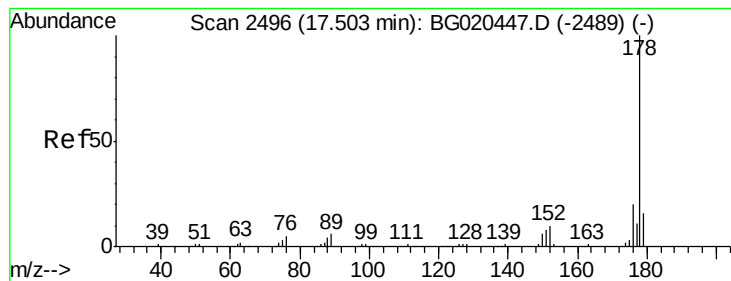


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 38.15 ng/ul

RT: 17.50 min Scan# 2496

Delta R.T. 0.00 min

Lab File: BG020451.D

Acq: 23 Dec 2015 20:07

Instrument :

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ClientSampleId :

D9N53DL

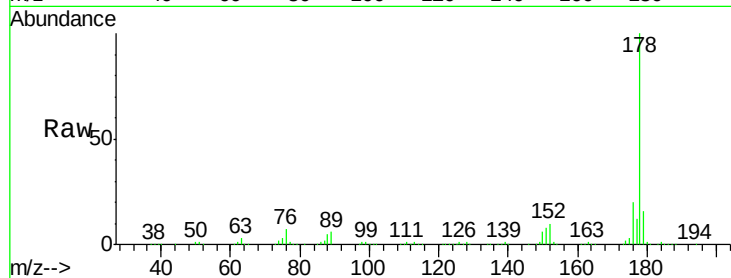
Tgt Ion:178 Resp: 344281

Ion Ratio Lower Upper

178 100

179 15.9 12.9 19.3

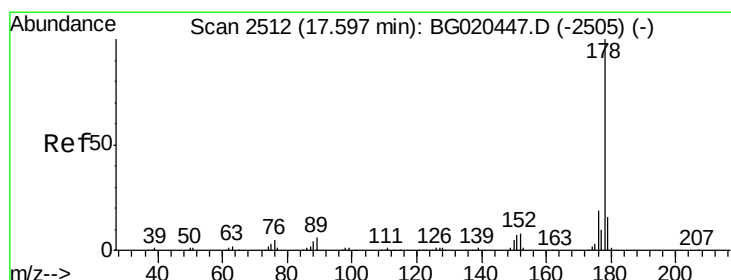
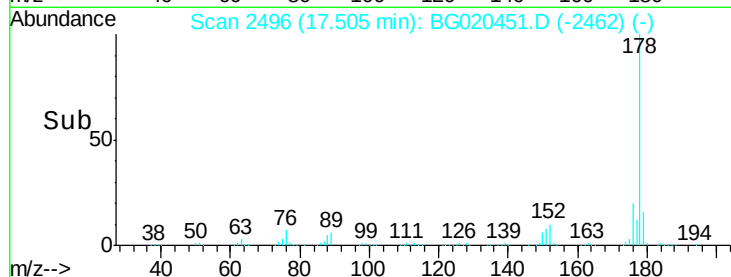
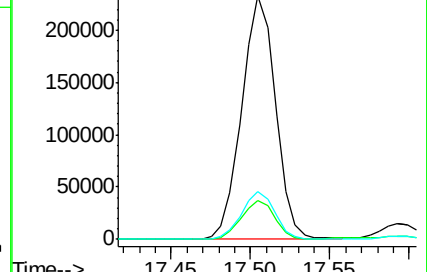
176 19.6 15.3 22.9



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: 2.79 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.00 min

Lab File: BG020451.D

Acq: 23 Dec 2015 20:07

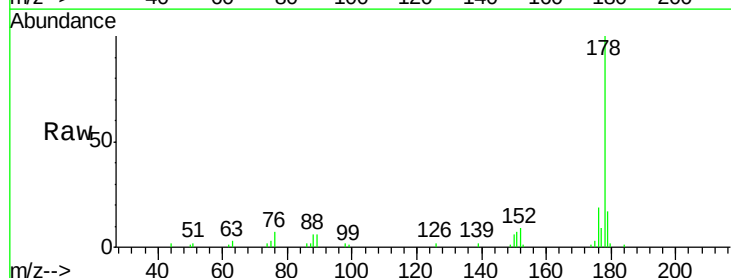
Tgt Ion:178 Resp: 25547

Ion Ratio Lower Upper

178 100

179 17.1 12.3 18.5

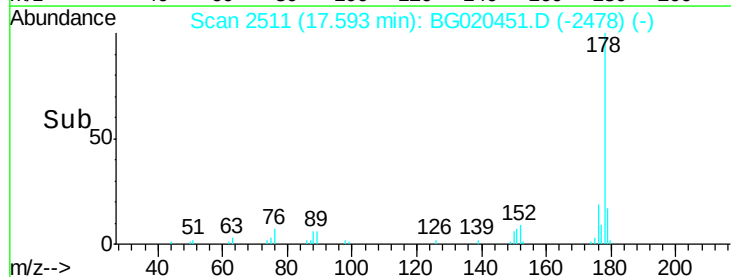
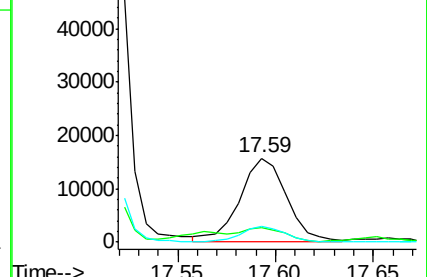
176 19.0 14.3 21.5

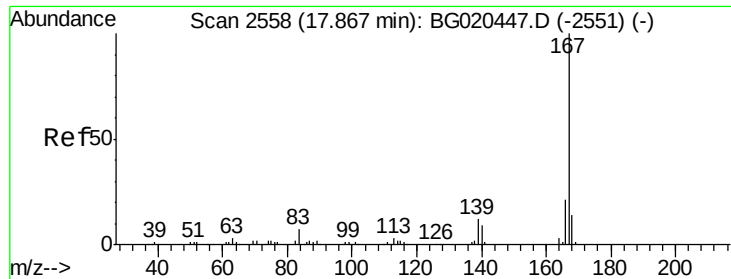


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.18 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. -0.00 min

Lab File: BG020451.D

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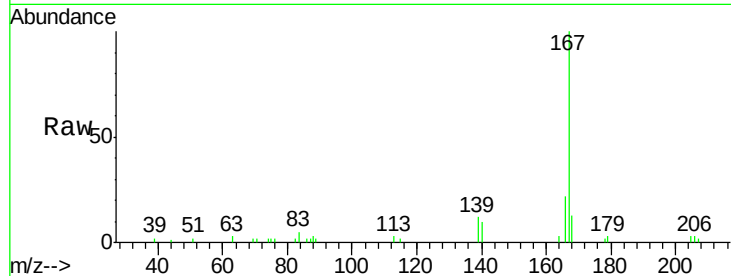
Tgt Ion:167 Resp: 16774

Ion Ratio Lower Upper

167 100

166 21.5 17.0 25.6

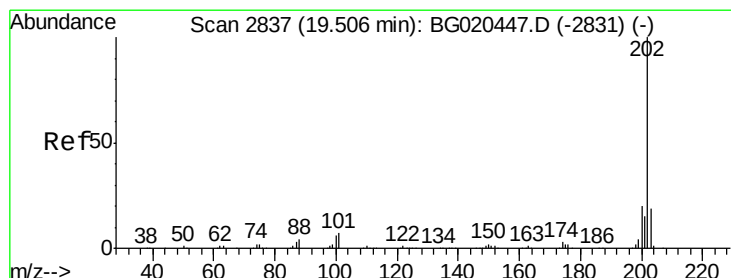
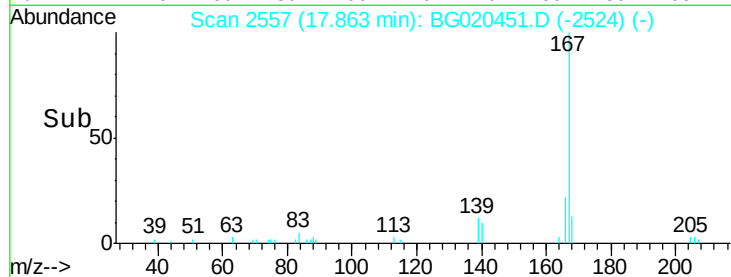
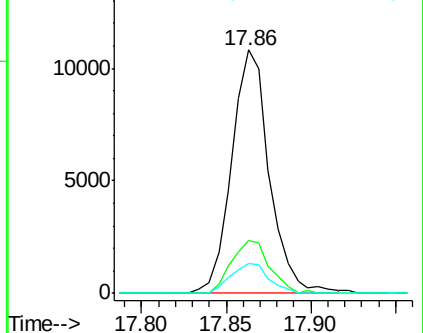
139 12.4 10.1 15.1



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: 20.13 ng/ul

RT: 19.51 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BG020451.D

Acq: 23 Dec 2015 20:07

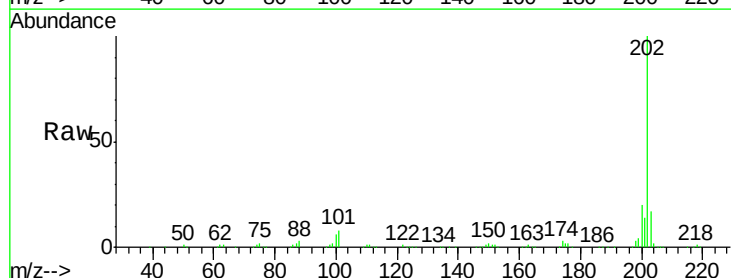
Tgt Ion:202 Resp: 212267

Ion Ratio Lower Upper

202 100

101 7.6 6.2 9.4

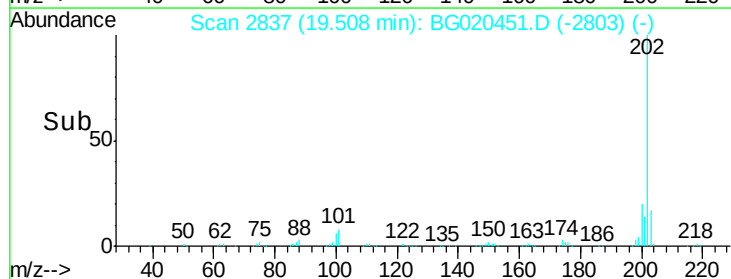
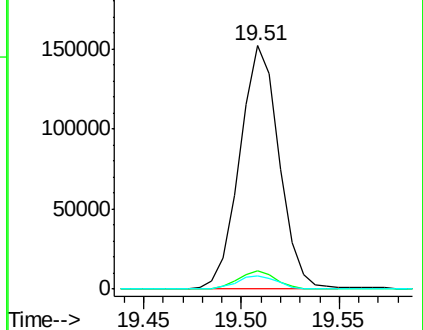
100 5.5 5.1 7.7

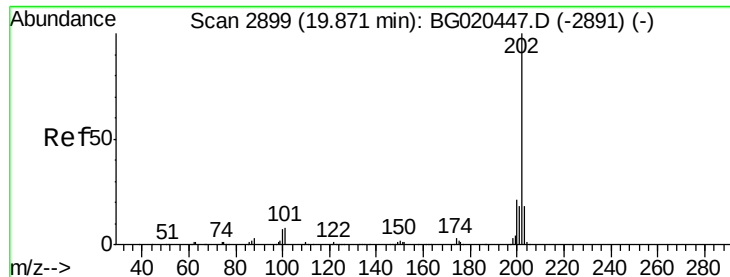


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#80

Pyrene

Concen: 11.60 ng/ul

RT: 19.87 min Scan# 2899

Delta R.T. 0.00 min

Lab File: BG020451.D

Acq: 23 Dec 2015 20:07

Instrument :

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ClientSampleId :

D9N53DL

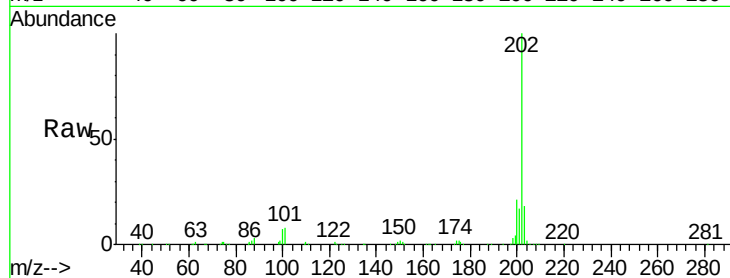
Tgt Ion:202 Resp: 142223

Ion Ratio Lower Upper

202 100

101 7.6 7.0 10.4

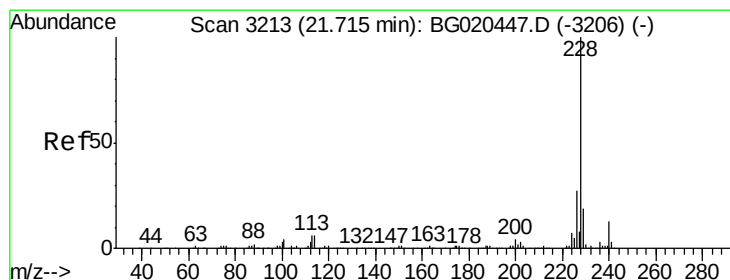
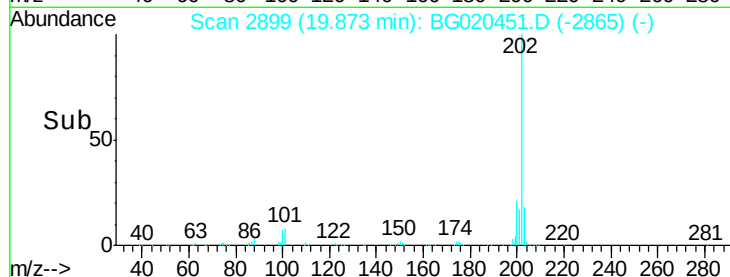
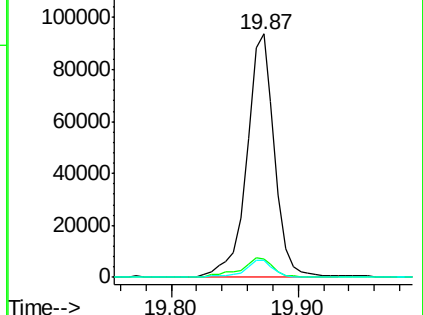
100 7.0 6.4 9.6



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



#83

Benzo(a)anthracene

Concen: 2.86 ng/ul

RT: 21.71 min Scan# 3212

Delta R.T. -0.00 min

Lab File: BG020451.D

Acq: 23 Dec 2015 20:07

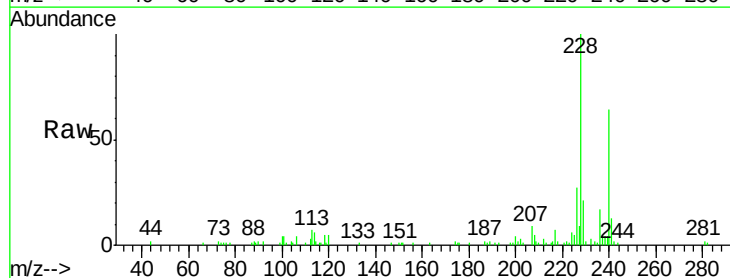
Tgt Ion:228 Resp: 33761

Ion Ratio Lower Upper

228 100

229 20.6 15.8 23.8

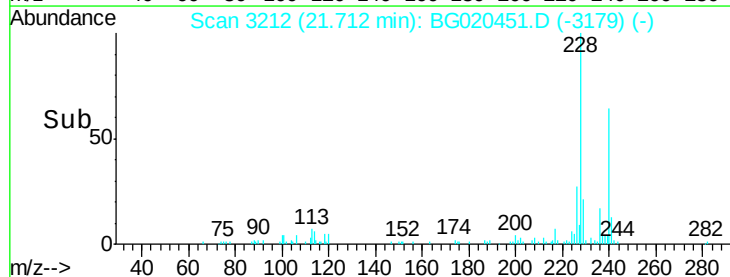
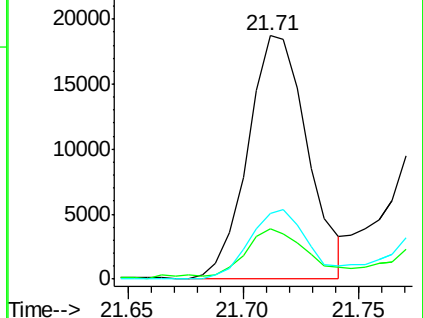
226 27.1 21.8 32.6

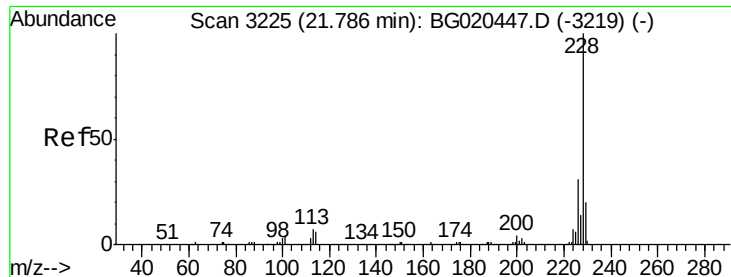


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#85

Chrysene

Concen: 2.61 ng/ul

RT: 21.78 min Scan# 3224

Delta R.T. -0.00 min

Lab File: BG020451.D

Acq: 23 Dec 2015 20:07

Instrument :

BNA_G

ClientSampleId :

D9N53DL

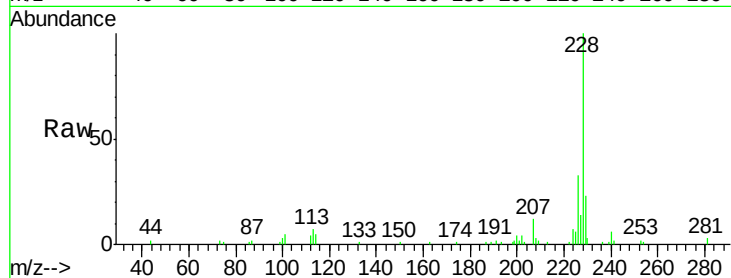
Tgt Ion:228 Resp: 29038

Ion Ratio Lower Upper

228 100

226 32.7 23.9 35.9

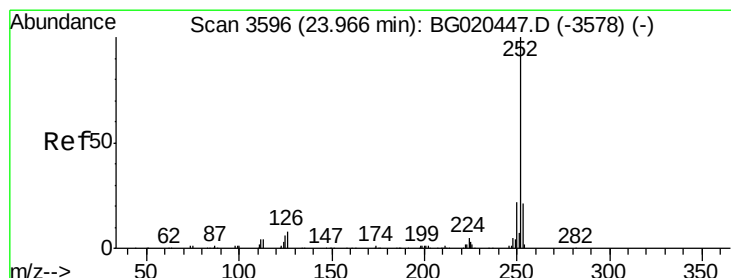
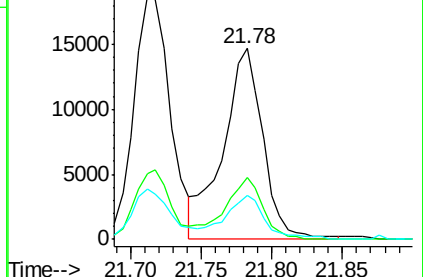
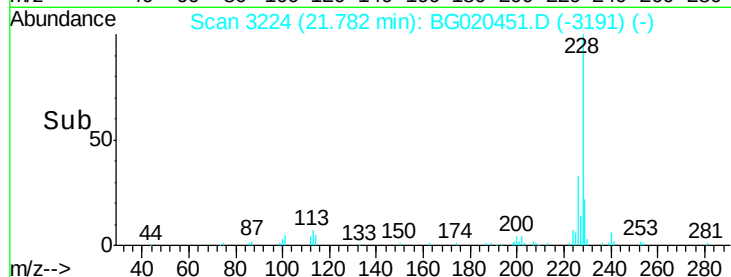
229 23.2 15.6 23.4



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: 1.50 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. 0.00 min

Lab File: BG020451.D

Acq: 23 Dec 2015 20:07

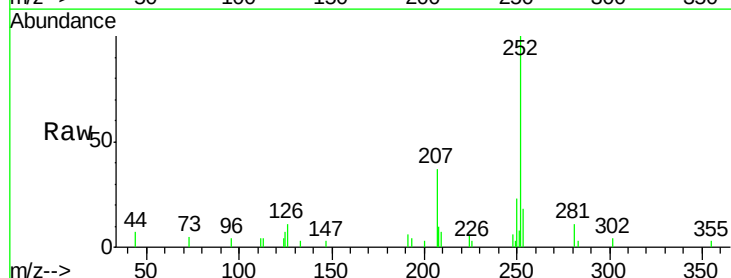
Tgt Ion:252 Resp: 17094

Ion Ratio Lower Upper

252 100

253 18.4 16.7 25.1

125 7.2 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

