

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
 Data File : BG020449.D
 Acq On : 23 Dec 2015 18:48
 Operator : UM/SJ
 Sample : G4848-04DL 30X
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N50DL

Quant Time: Dec 24 02:49:57 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	20100	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	85248	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	63530	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	161487	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	200980	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	192337	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	829	0.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	572	0.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	827	0.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	706	0.47	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	369	0.56	ng/ul	0.00
22) 2-Nitrophenol-d4	9.97	143	370	0.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	883	0.59	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	1156	0.69	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	5130	1.00	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	5448	0.91	ng/ul	0.00
52) 4-Nitrophenol-d4	14.95	143	130	0.14	ng/ul	0.03
58) Fluorene-d10	15.71	176	4736	1.02	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	161487	21.70	ng/ul	-0.10
79) Pyrene-d10	19.84	212	8694	0.93	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	9177	0.96	ng/ul	0.00

Target Compounds

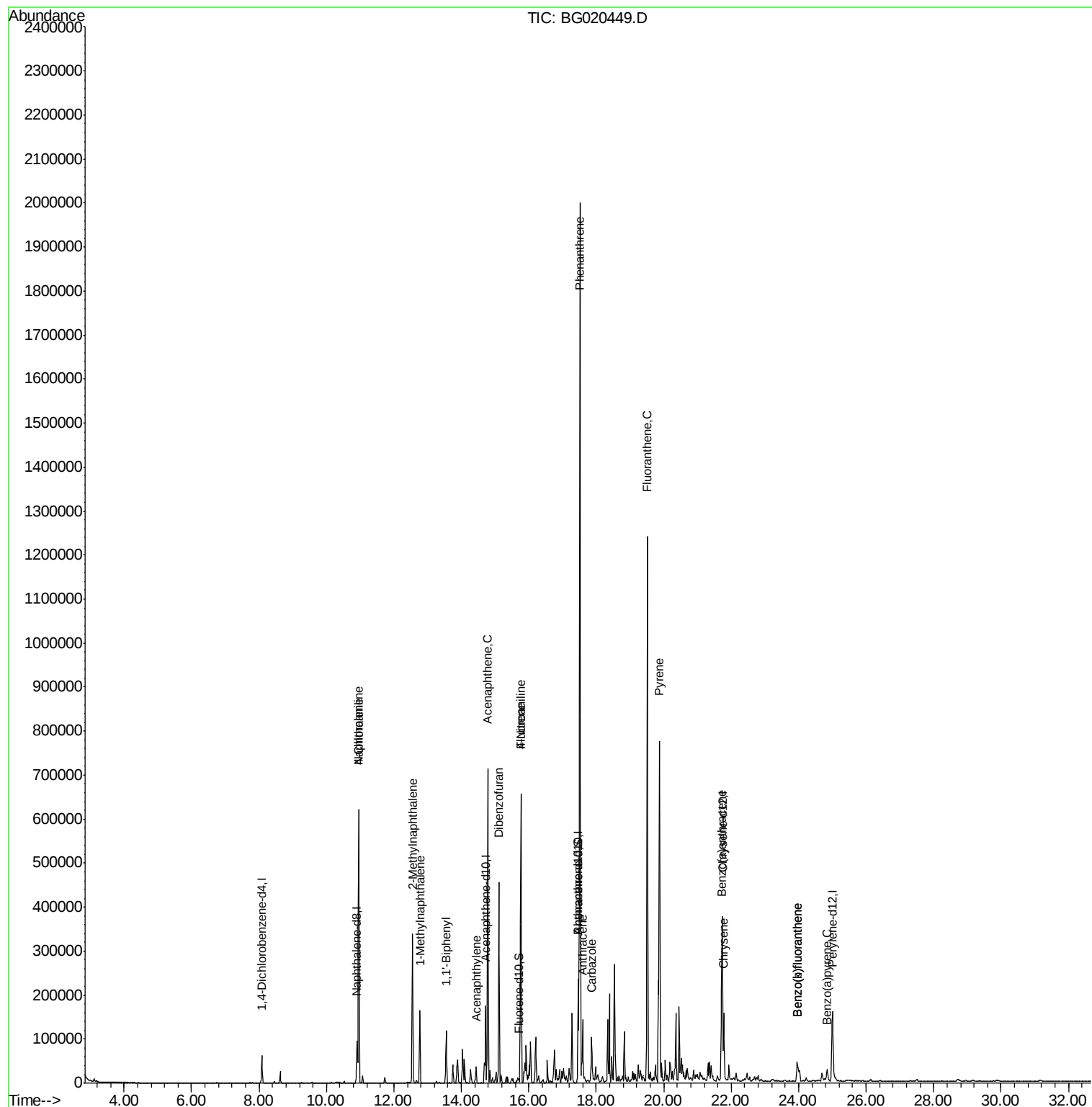
						Qvalue
28) Naphthalene	10.95	128	531737	119.44	ng/ul	97
30) 4-Chloroaniline	10.95	127	72810	42.39	ng/ul#	13
34) 2-Methylnaphthalene	12.55	142	163234	48.00	ng/ul	98
35) 1-Methylnaphthalene	12.77	142	76736	23.47	ng/ul	93
41) 1,1'-Biphenyl	13.55	154	64363	13.43	ng/ul	95
48) Acenaphthylene	14.44	152	19046	3.00	ng/ul#	93
50) Acenaphthene	14.78	153	298323	69.81	ng/ul	98
54) Dibenzofuran	15.11	168	311383	48.98	ng/ul	100
59) Fluorene	15.76	166	302413	59.24	ng/ul	99
61) 4-Nitroaniline	15.76	138	3810	3.34	ng/ul#	10
70) Phenanthrene	17.52	178	1318123	149.23	ng/ul	94
72) Anthracene	17.60	178	99286	11.08	ng/ul	99
75) Carbazole	17.86	167	65590	8.71	ng/ul	100
77) Fluoranthene	19.51	202	833041	80.70	ng/ul	99
80) Pyrene	19.87	202	556272	45.73	ng/ul	99
83) Benzo(a)anthracene	21.72	228	142877	12.18	ng/ul	99
85) Chrysene	21.78	228	114151	10.34	ng/ul	96
88) Benzo(b)fluoranthene	23.96	252	61605	5.32	ng/ul	98
89) Benzo(k)fluoranthene	23.96	252	61605	5.55	ng/ul	98
91) Benzo(a)pyrene	24.84	252	35288	3.22	ng/ul#	94

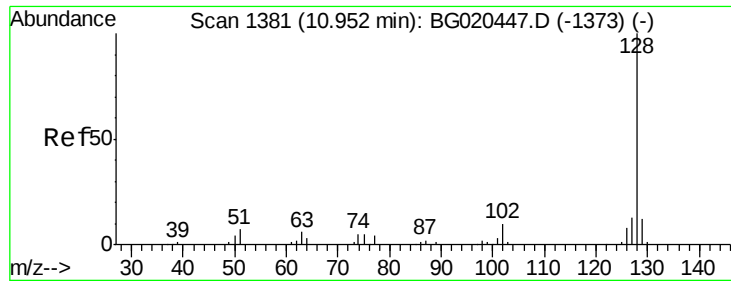
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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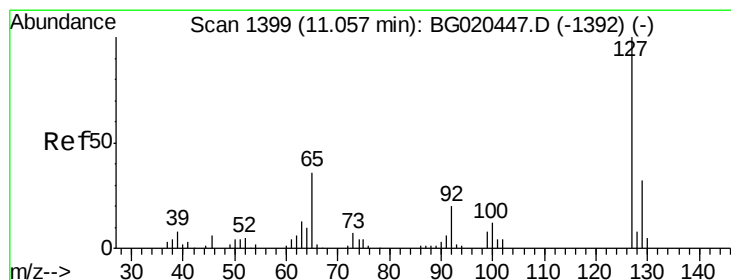
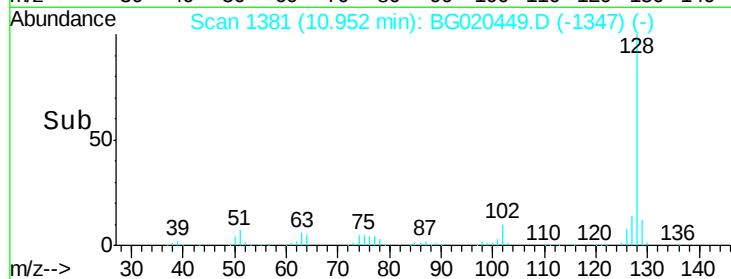
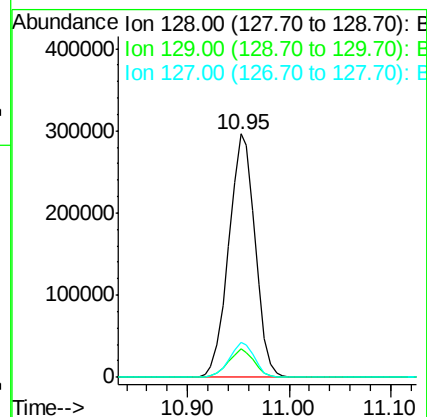
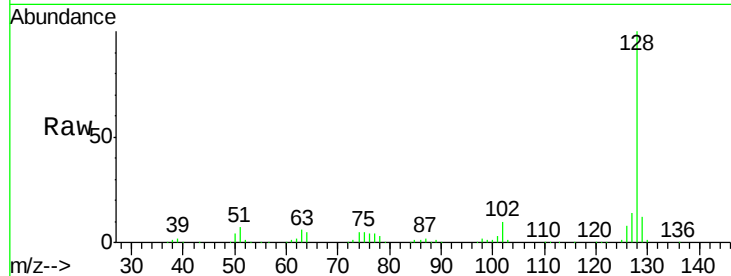




#28
Naphthalene
Concen: 119.44 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BG020449.D
Acq: 23 Dec 2015 18:48

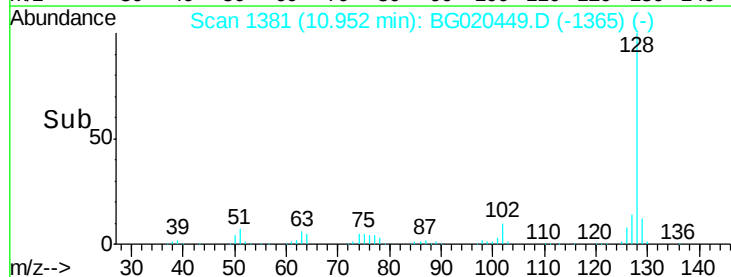
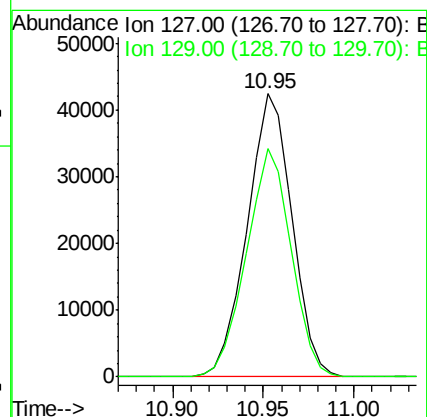
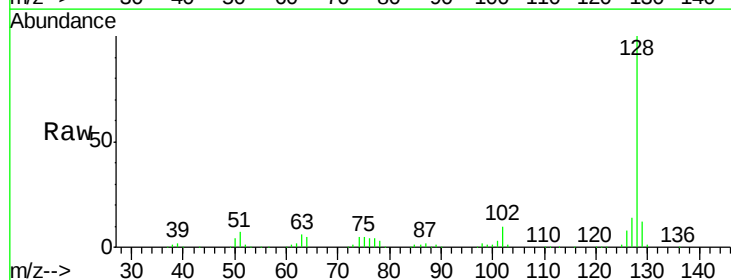
Instrument :
BNA_G
ClientSampleId :
D9N50DL

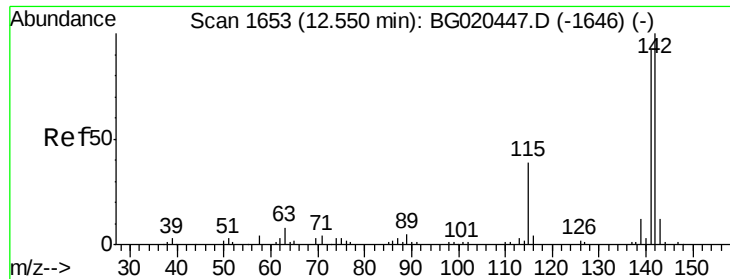
Tgt Ion:128 Resp: 531737
Ion Ratio Lower Upper
128 100
129 11.6 8.6 12.8
127 14.3 10.1 15.1



#30
4-Chloroaniline
Concen: 42.39 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. -0.11 min
Lab File: BG020449.D
Acq: 23 Dec 2015 18:48

Tgt Ion:127 Resp: 72810
Ion Ratio Lower Upper
127 100
129 80.9 25.7 38.5#

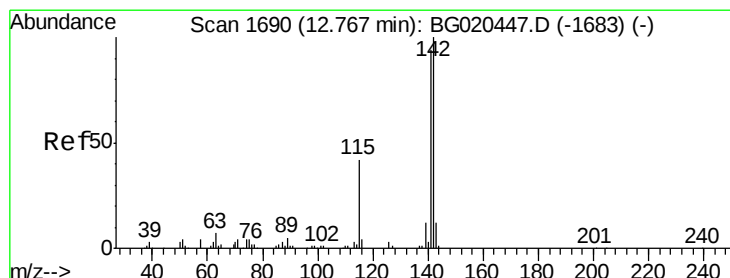
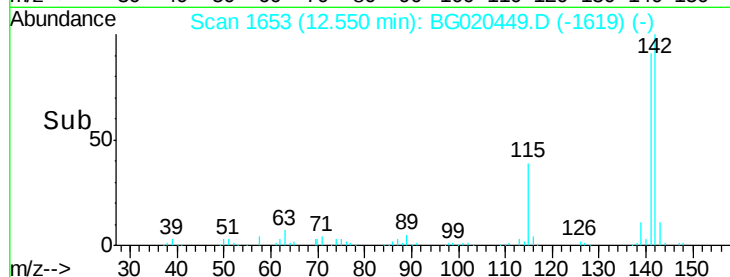
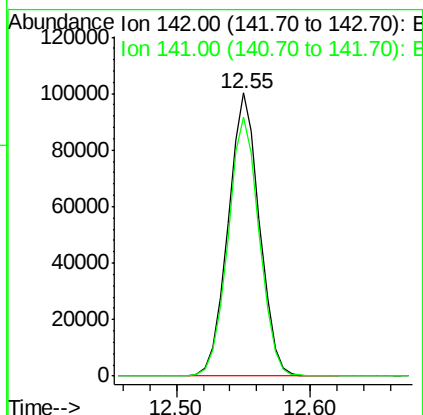
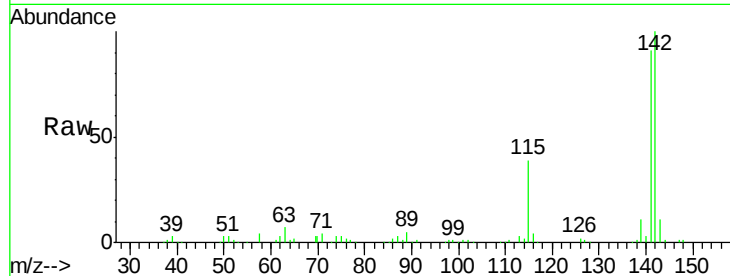




#34
 2-Methylnaphthalene
 Concen: 48.00 ng/ul
 RT: 12.55 min Scan# 1653
 Delta R.T. 0.00 min
 Lab File: BG020449.D
 Acq: 23 Dec 2015 18:48

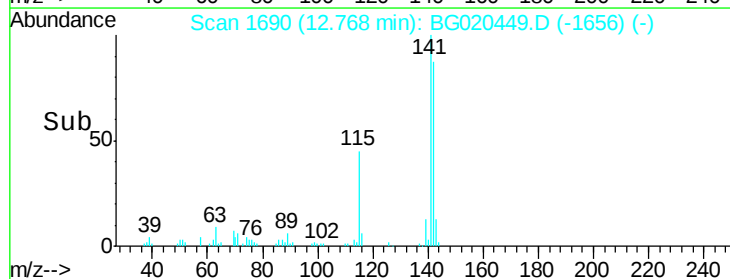
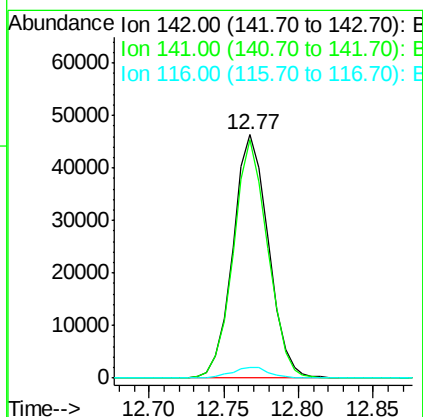
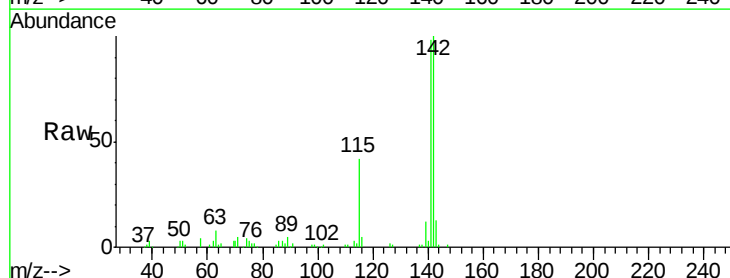
Instrument :
 BNA_G
 ClientSampleId :
 D9N50DL

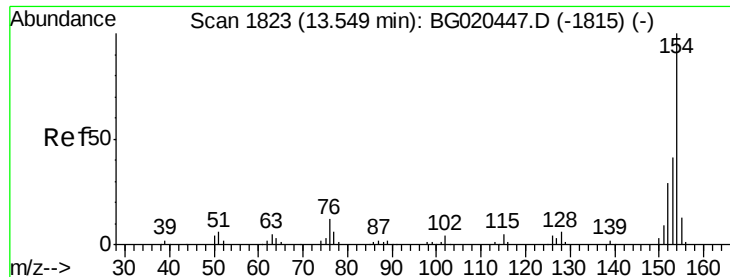
Tgt Ion:142 Resp: 163234
 Ion Ratio Lower Upper
 142 100
 141 91.5 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 23.47 ng/ul
 RT: 12.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: BG020449.D
 Acq: 23 Dec 2015 18:48

Tgt Ion:142 Resp: 76736
 Ion Ratio Lower Upper
 142 100
 141 98.0 73.0 109.6
 116 4.5 3.0 4.6

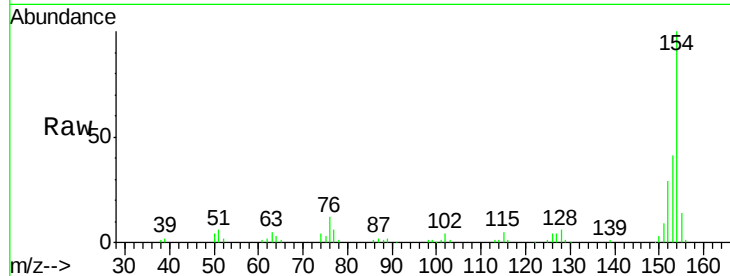




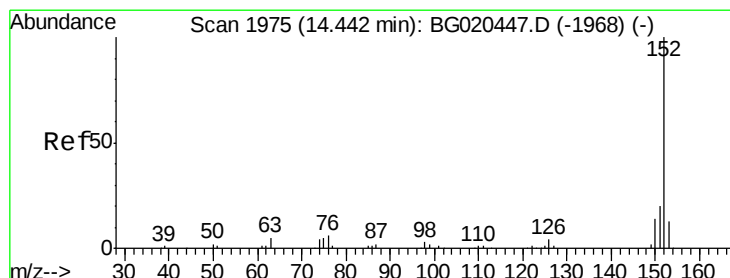
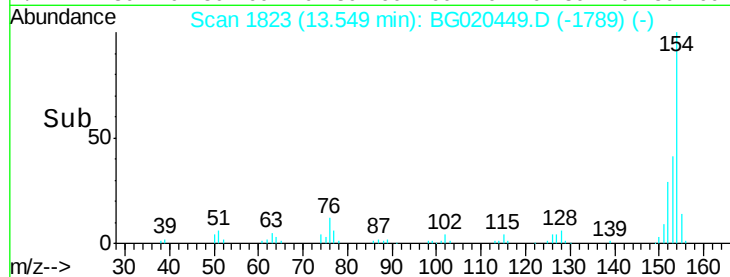
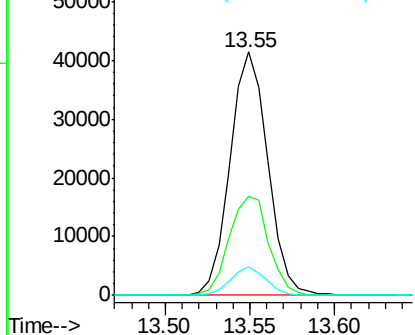
#41
 1,1'-Biphenyl
 Concen: 13.43 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BG020449.D
 Acq: 23 Dec 2015 18:48

Instrument :
 BNA_G
 ClientSampled :
 D9N50DL

Tgt Ion:154 Resp: 64363
 Ion Ratio Lower Upper
 154 100
 153 40.7 35.5 53.3
 76 11.7 10.4 15.6

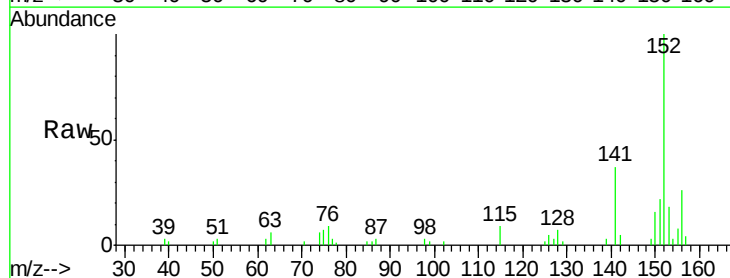


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): B

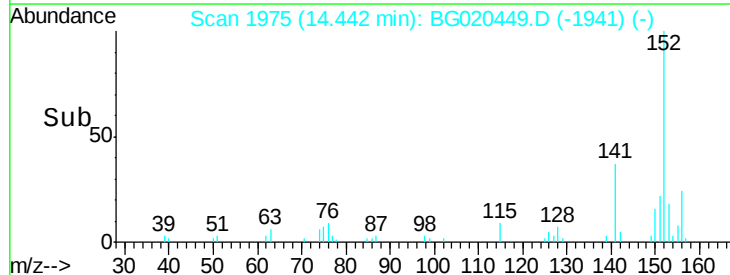
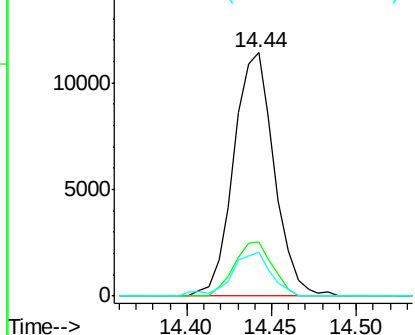


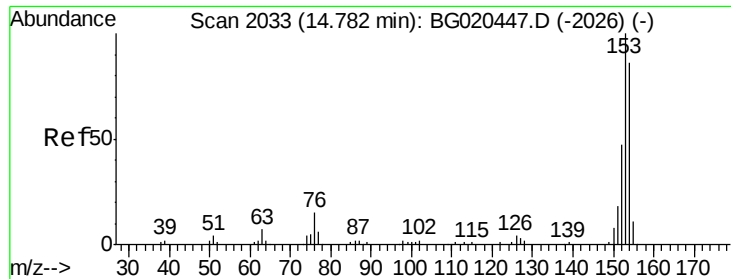
#48
 Acenaphthylene
 Concen: 3.00 ng/ul
 RT: 14.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: BG020449.D
 Acq: 23 Dec 2015 18:48

Tgt Ion:152 Resp: 19046
 Ion Ratio Lower Upper
 152 100
 151 22.4 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: 69.81 ng/ul

RT: 14.78 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BG020449.D

Acq: 23 Dec 2015 18:48

Instrument :

BNA_G

ClientSampleId :

D9N50DL

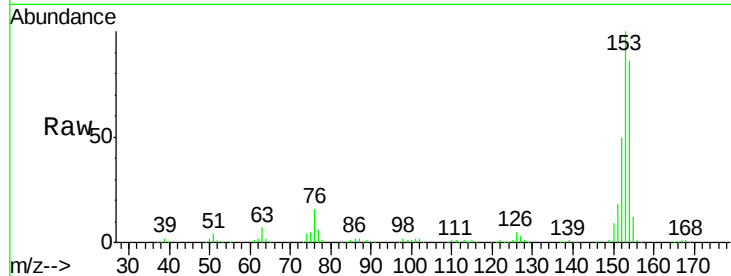
Tgt Ion:153 Resp: 298323

Ion Ratio Lower Upper

153 100

152 49.7 37.6 56.4

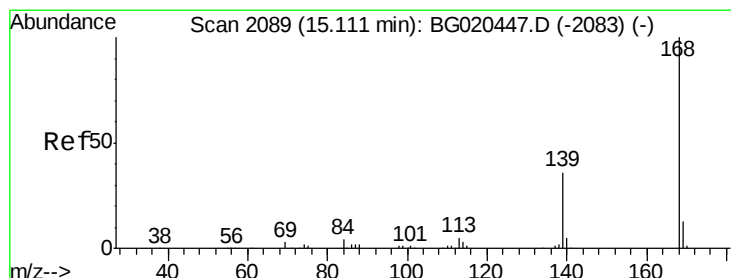
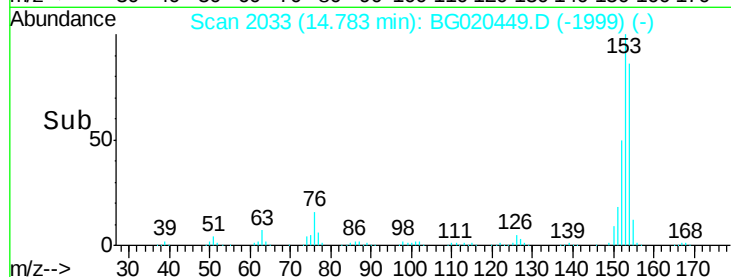
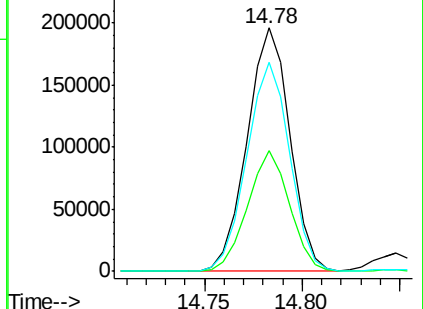
154 85.9 67.9 101.9



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: 48.98 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BG020449.D

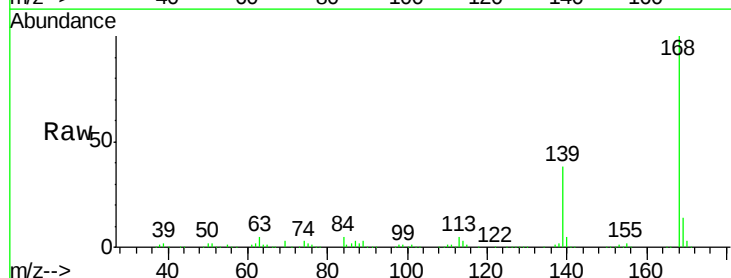
Acq: 23 Dec 2015 18:48

Tgt Ion:168 Resp: 311383

Ion Ratio Lower Upper

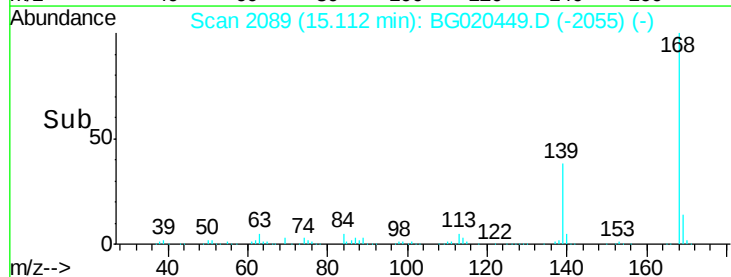
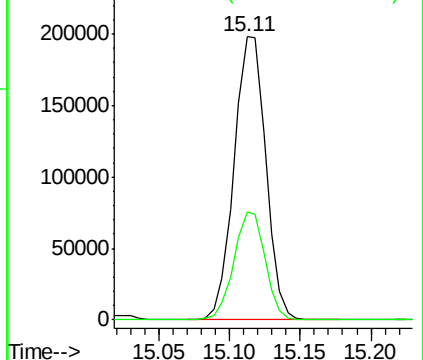
168 100

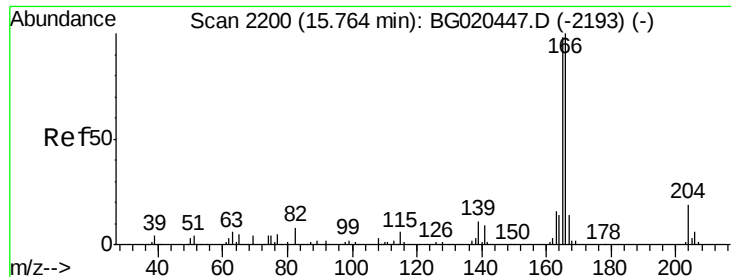
139 38.1 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 59.24 ng/ul

RT: 15.76 min Scan# 2200

Delta R.T. 0.00 min

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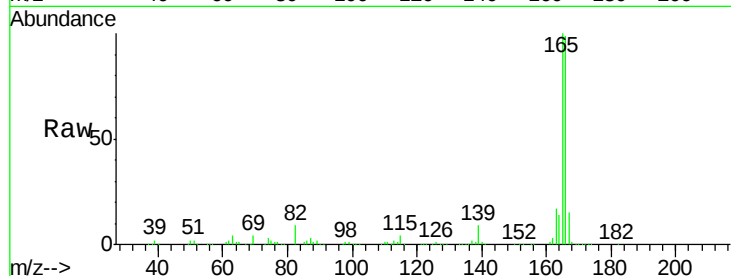
Tgt Ion:166 Resp: 302413

Ion Ratio Lower Upper

166 100

165 101.1 81.4 122.0

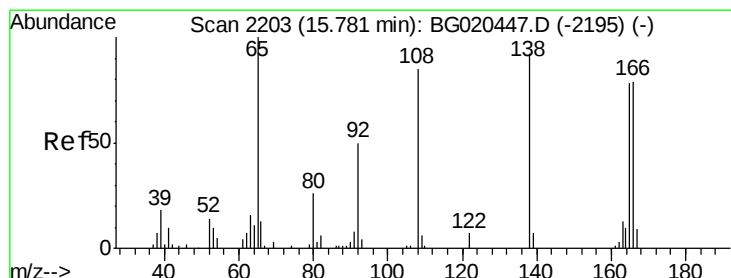
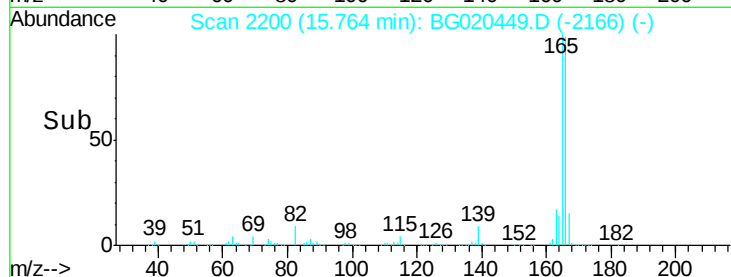
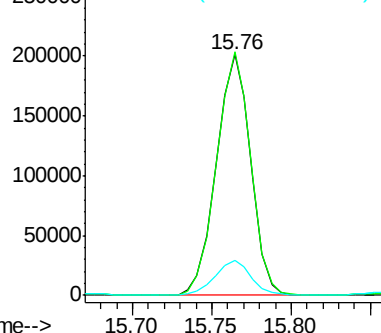
167 14.7 11.2 16.8



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: 3.34 ng/ul

RT: 15.76 min Scan# 2200

Delta R.T. -0.02 min

Lab File: BG020449.D

Acq: 23 Dec 2015 18:48

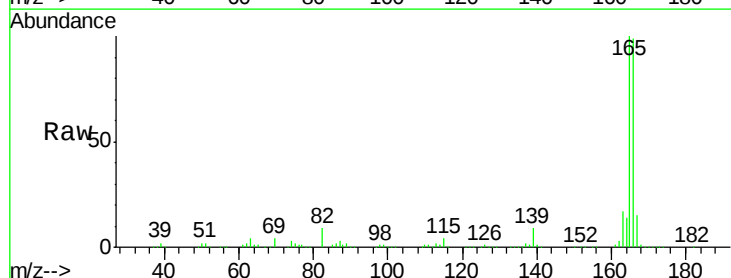
Tgt Ion:138 Resp: 3810

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

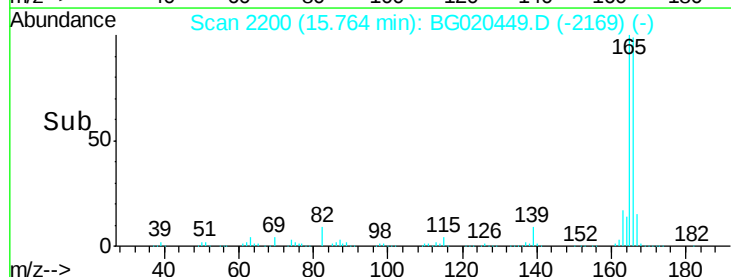
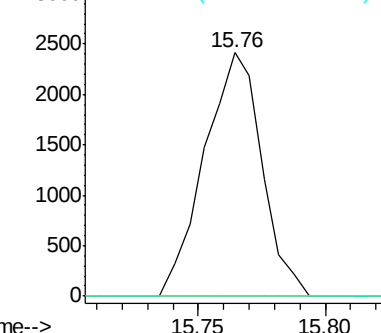
108 0.0 75.4 113.0#

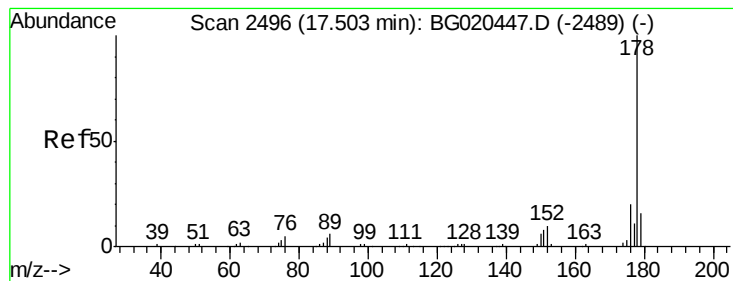


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG0

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 149.23 ng/ul

RT: 17.52 min Scan# 2498

Delta R.T. 0.01 min

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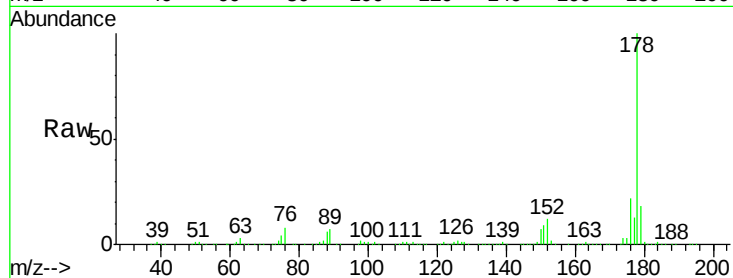
Tgt Ion:178 Resp: 1318123

Ion Ratio Lower Upper

178 100

179 18.3 12.9 19.3

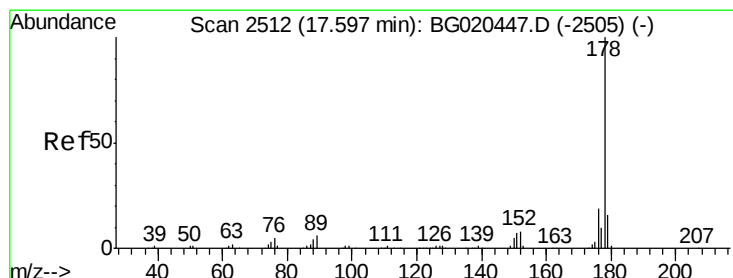
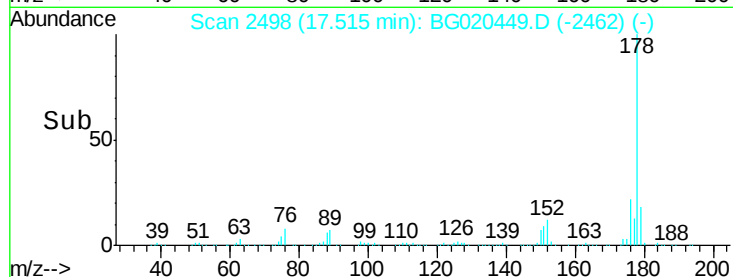
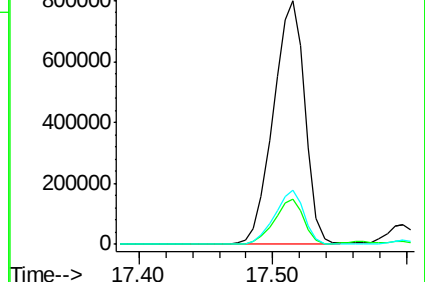
176 22.1 15.3 22.9



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: 11.08 ng/ul

RT: 17.60 min Scan# 2512

Delta R.T. 0.00 min

Lab File: BG020449.D

Acq: 23 Dec 2015 18:48

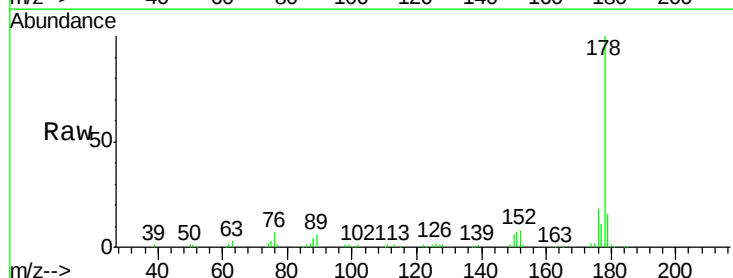
Tgt Ion:178 Resp: 99286

Ion Ratio Lower Upper

178 100

179 16.2 12.3 18.5

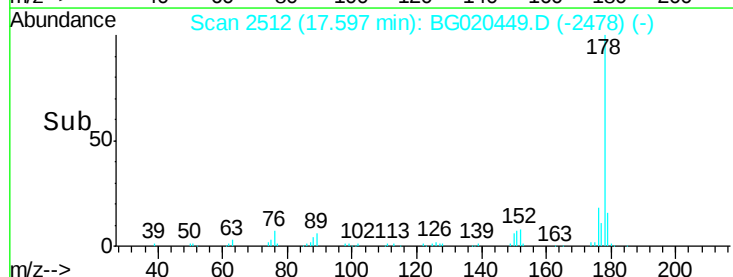
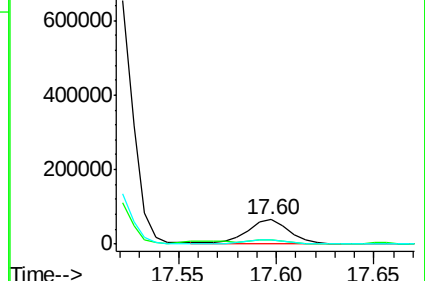
176 18.4 14.3 21.5

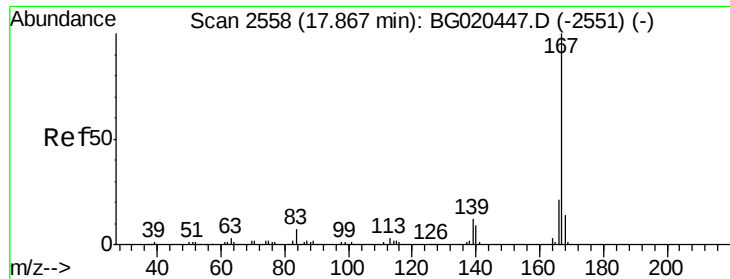


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 8.71 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. -0.01 min

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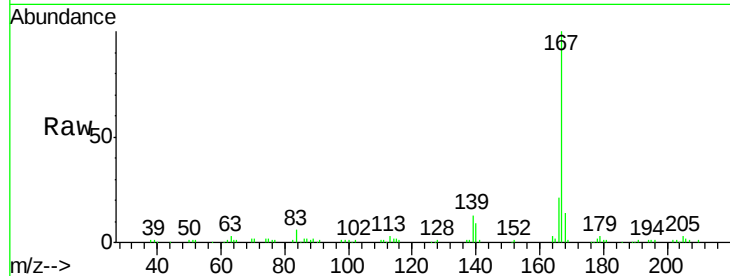
Tgt Ion:167 Resp: 65590

Ion Ratio Lower Upper

167 100

166 21.5 17.0 25.6

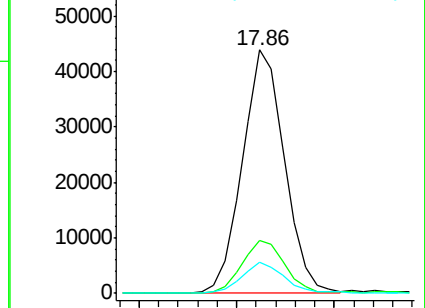
139 12.6 10.1 15.1



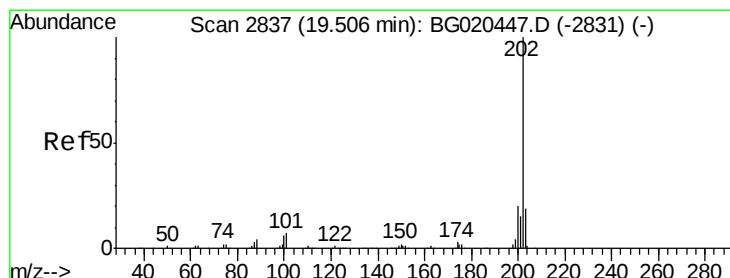
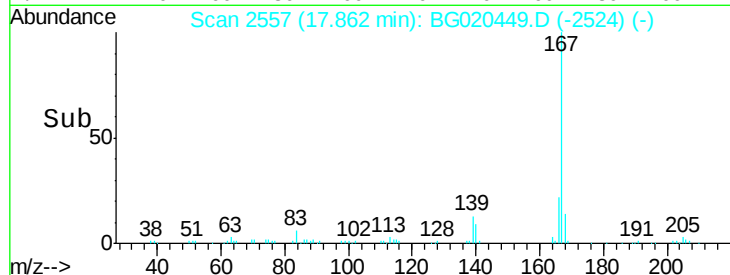
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time--> 17.80 17.85 17.90



#77

Fluoranthene

Concen: 80.70 ng/ul

RT: 19.51 min Scan# 2838

Delta R.T. 0.01 min

Lab File: BG020449.D

Acq: 23 Dec 2015 18:48

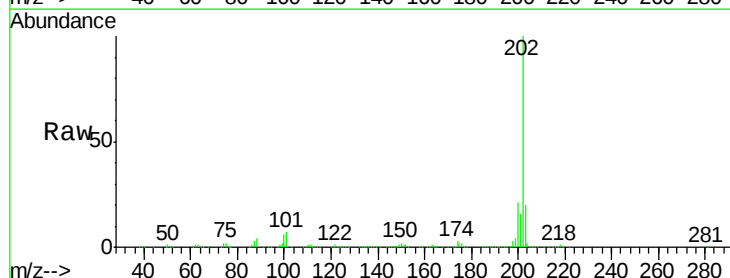
Tgt Ion:202 Resp: 833041

Ion Ratio Lower Upper

202 100

101 7.3 6.2 9.4

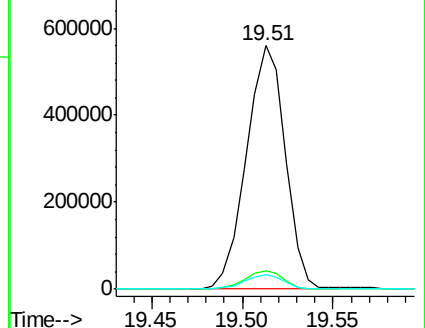
100 6.2 5.1 7.7



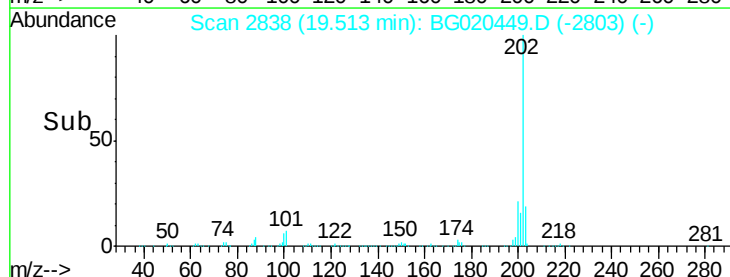
Abundance Ion 202.00 (201.70 to 202.70): E

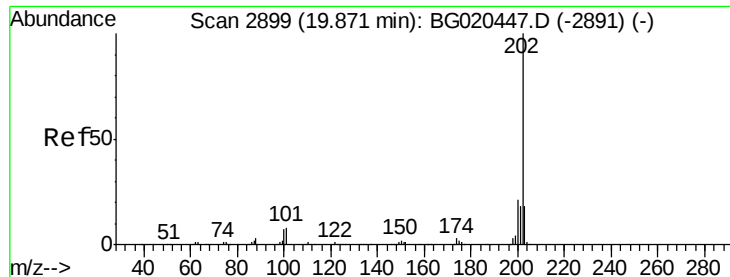
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time--> 19.45 19.50 19.55

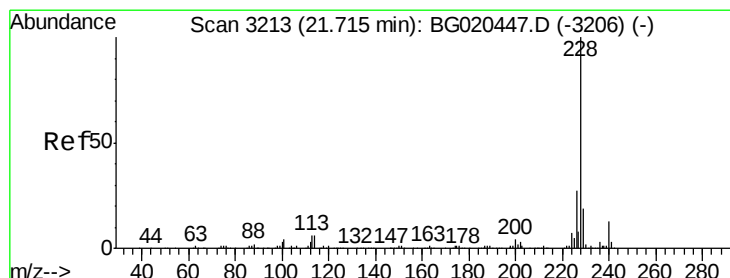
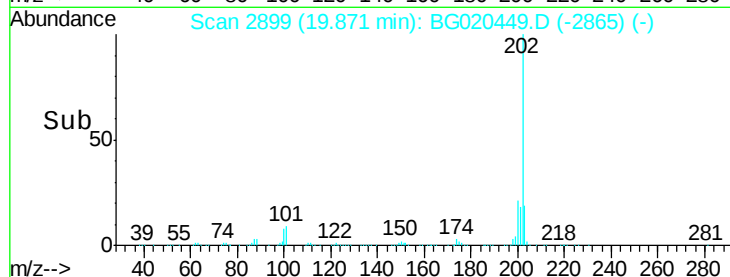
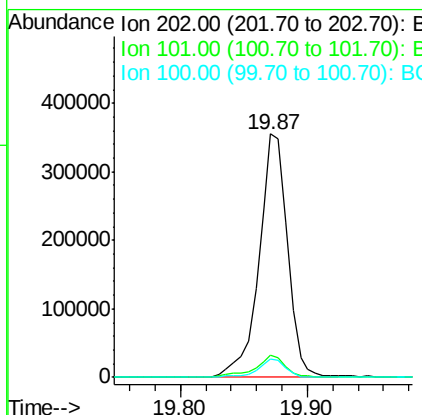
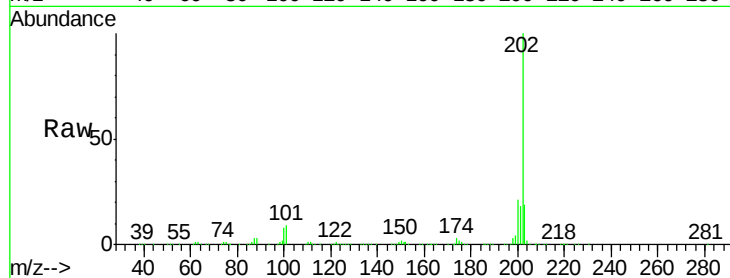




#80
 Pyrene
 Concen: 45.73 ng/ul
 RT: 19.87 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: BG020449.D
 Acq: 23 Dec 2015 18:48

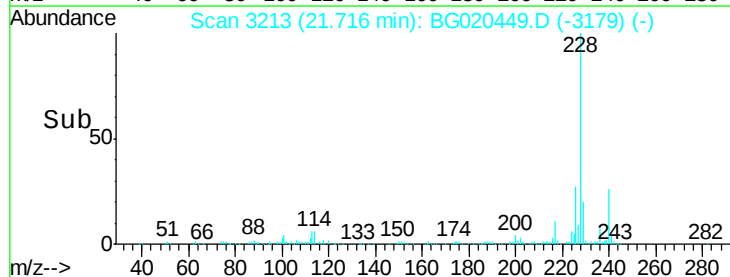
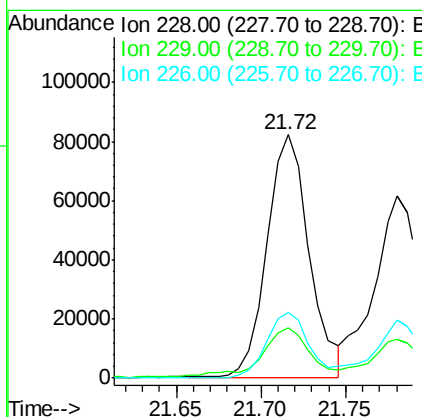
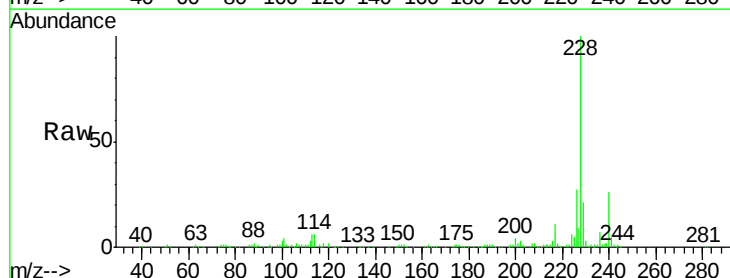
Instrument :
 BNA_G
 ClientSampleId :
 D9N50DL

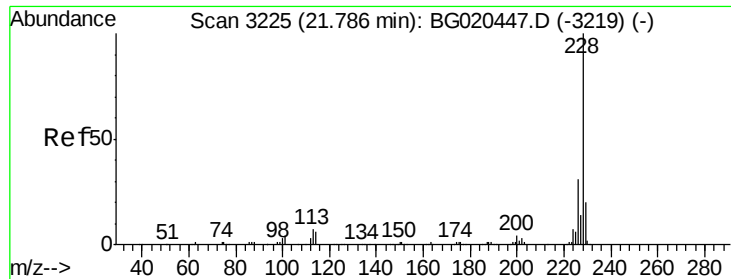
Tgt Ion:202 Resp: 556272
 Ion Ratio Lower Upper
 202 100
 101 8.9 7.0 10.4
 100 7.7 6.4 9.6



#83
 Benzo(a)anthracene
 Concen: 12.18 ng/ul
 RT: 21.72 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: BG020449.D
 Acq: 23 Dec 2015 18:48

Tgt Ion:228 Resp: 142877
 Ion Ratio Lower Upper
 228 100
 229 20.7 15.8 23.8
 226 27.1 21.8 32.6





#85

Chrysene

Concen: 10.34 ng/ul

RT: 21.78 min Scan# 3224

Delta R.T. -0.01 min

Lab File: BG020449.D

Acq: 23 Dec 2015 18:48

Instrument :

BNA_G

ClientSampleId :

D9N50DL

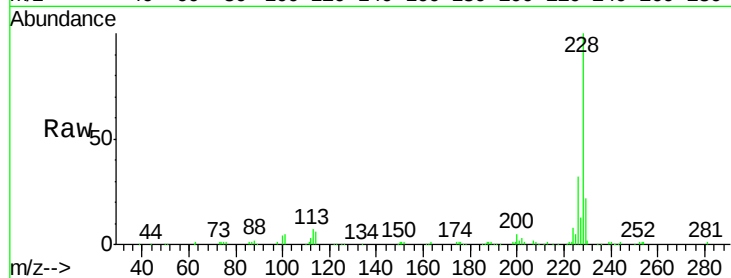
Tgt Ion:228 Resp: 114151

Ion Ratio Lower Upper

228 100

226 31.8 23.9 35.9

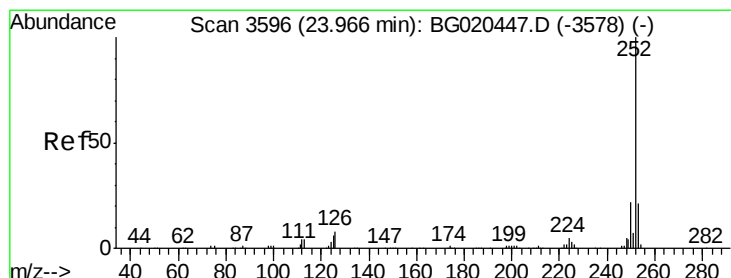
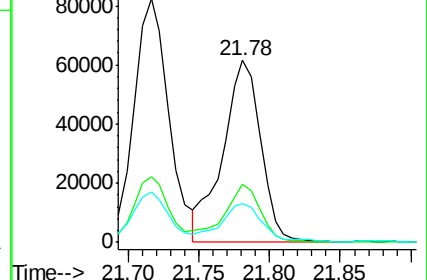
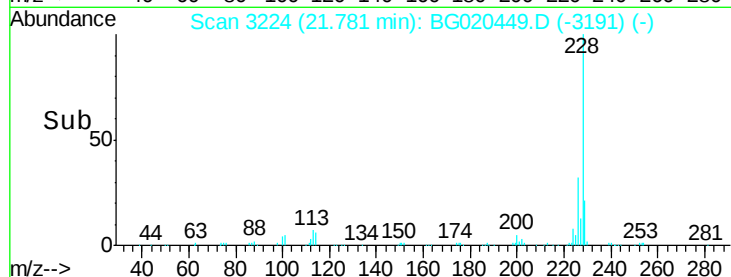
229 21.6 15.6 23.4



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: 5.32 ng/ul

RT: 23.96 min Scan# 3595

Delta R.T. -0.01 min

Lab File: BG020449.D

Acq: 23 Dec 2015 18:48

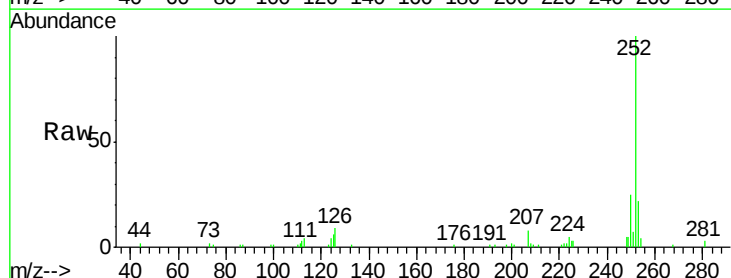
Tgt Ion:252 Resp: 61605

Ion Ratio Lower Upper

252 100

253 21.5 16.7 25.1

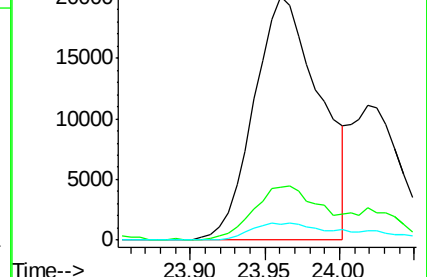
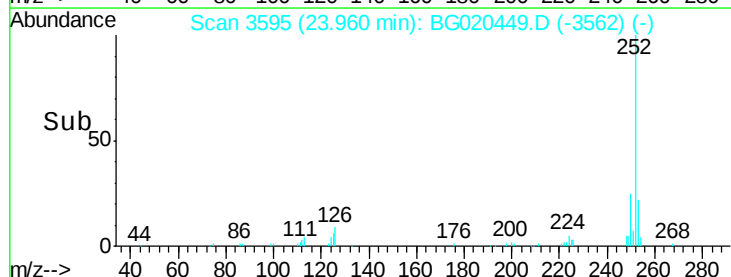
125 6.4 6.2 9.2

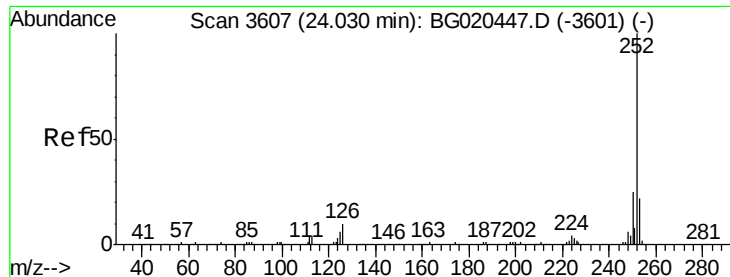


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 5.55 ng/ul

RT: 23.96 min Scan# 3595

Delta R.T. -0.07 min

Lab File: BG020449.D

Acq: 23 Dec 2015 18:48

Instrument :

BNA_G

ClientSampleId :

D9N50DL

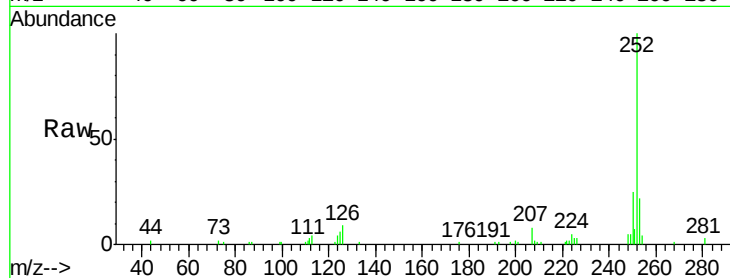
Tgt Ion:252 Resp: 61605

Ion Ratio Lower Upper

252 100

253 21.5 17.9 26.9

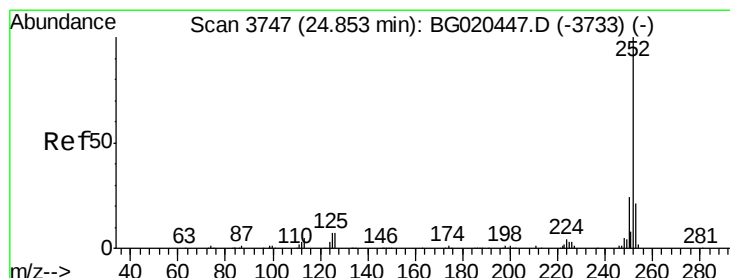
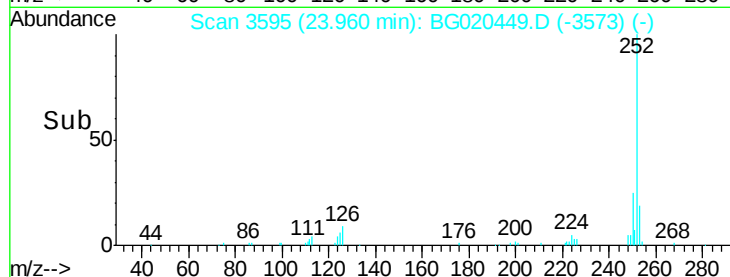
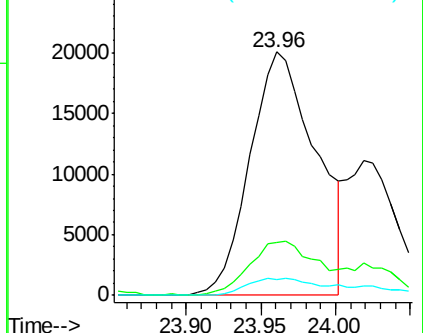
125 6.4 5.8 8.6



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: 3.22 ng/ul

RT: 24.84 min Scan# 3745

Delta R.T. -0.01 min

Lab File: BG020449.D

Acq: 23 Dec 2015 18:48

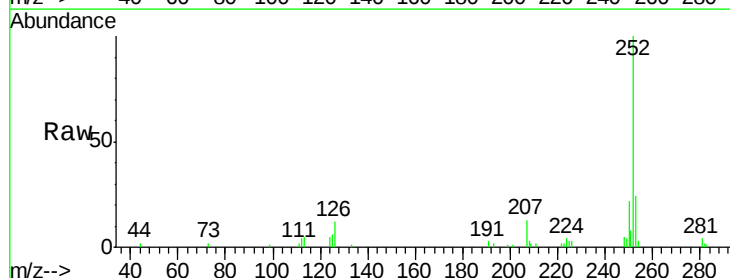
Tgt Ion:252 Resp: 35288

Ion Ratio Lower Upper

252 100

253 24.3 17.0 25.4

125 5.7 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

