

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
 Data File : BG020458.D
 Acq On : 24 Dec 2015 00:43
 Operator : UM/SJ
 Sample : G4767-22DL 30X
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N44MEDL

Quant Time: Dec 24 02:53:27 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	15904	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	68853	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.71	164	48747	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	129627	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	167283	20.00	ng/ul	0.00
86) Perylene-d12	25.00	264	158142	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	591	0.42	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	380	0.45	ng/ul	0.01
9) 2-Chlorophenol-d4	7.60	132	156	0.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	311	0.26	ng/ul	0.01
19) Nitrobenzene-d5	9.26	128	156	0.29	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	54	0.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	408	0.34	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	583	0.43	ng/ul	0.02
44) Dimethylphthalate-d6	14.11	166	2984	0.76	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	3852	0.84	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.70	176	3177	0.89	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.56	188	5558	0.93	ng/ul	0.00
79) Pyrene-d10	19.84	212	5839	0.75	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	6199	0.79	ng/ul	0.00

Target Compounds

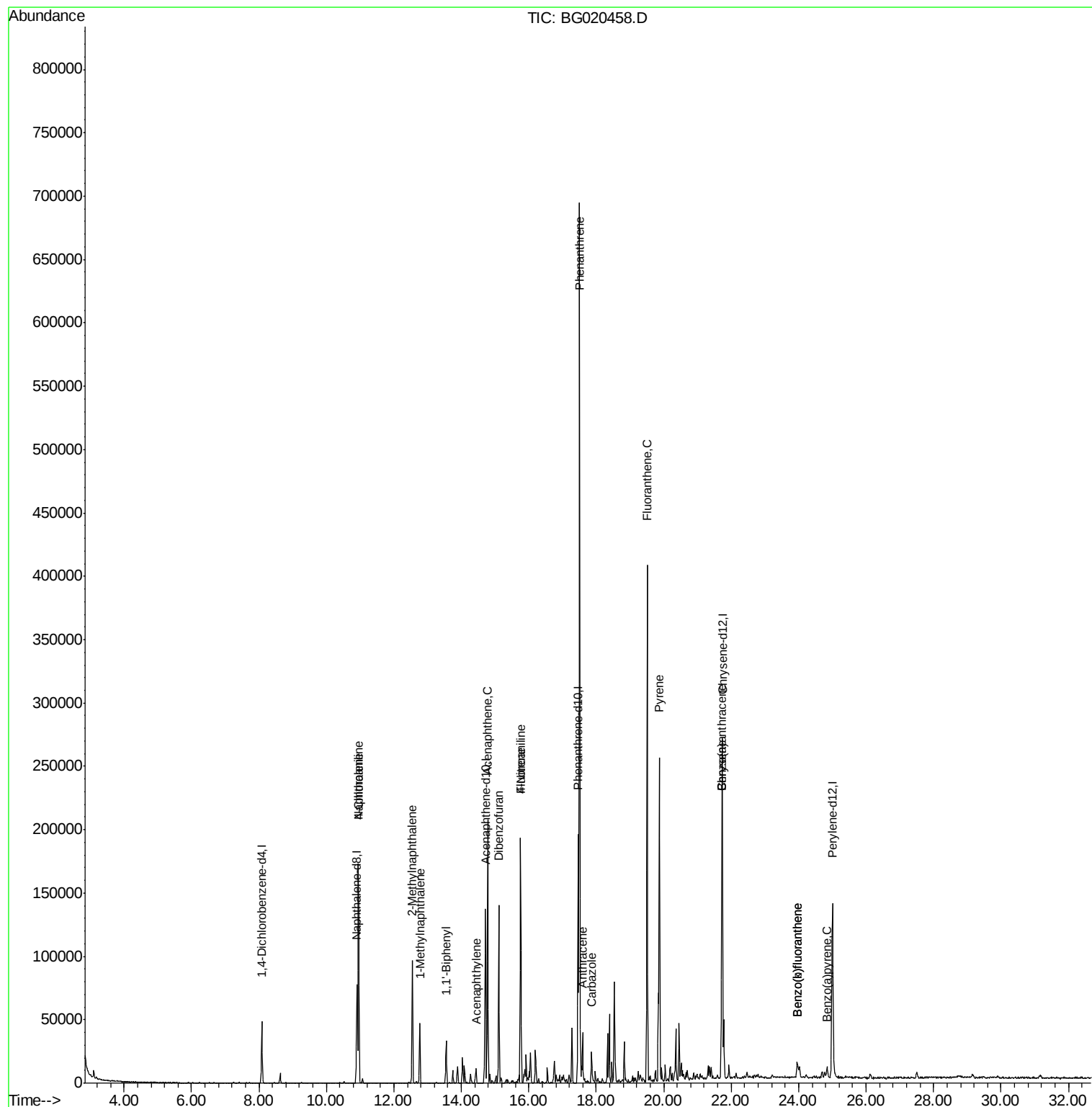
						Qvalue
28) Naphthalene	10.95	128	155580	43.27	ng/ul	99
30) 4-Chloroaniline	10.95	127	20673	14.90	ng/ul#	5
34) 2-Methylnaphthalene	12.55	142	48949	17.82	ng/ul	100
35) 1-Methylnaphthalene	12.77	142	23251	8.81	ng/ul#	94
41) 1,1'-Biphenyl	13.55	154	19968	5.43	ng/ul#	94
48) Acenaphthylene	14.44	152	7282	1.49	ng/ul	95
50) Acenaphthene	14.78	153	91421	27.88	ng/ul	99
54) Dibenzofuran	15.11	168	95887	19.66	ng/ul	98
59) Fluorene	15.76	166	89560	22.86	ng/ul	98
61) 4-Nitroaniline	15.76	138	948	1.08	ng/ul#	10
70) Phenanthrene	17.50	178	443858	62.60	ng/ul	100
72) Anthracene	17.59	178	29075	4.04	ng/ul	97
75) Carbazole	17.86	167	16868	2.79	ng/ul	98
77) Fluoranthene	19.51	202	276729	33.39	ng/ul	98
80) Pyrene	19.87	202	182991	18.07	ng/ul	97
83) Benzo(a)anthracene	21.72	228	42323	4.34	ng/ul	97
85) Chrysene	21.72	228	42323	4.60	ng/ul	96
88) Benzo(b)fluoranthene	23.96	252	19652	2.06	ng/ul	98
89) Benzo(k)fluoranthene	23.96	252	19652	2.15	ng/ul	96
91) Benzo(a)pyrene	24.84	252	11453	1.27	ng/ul	96

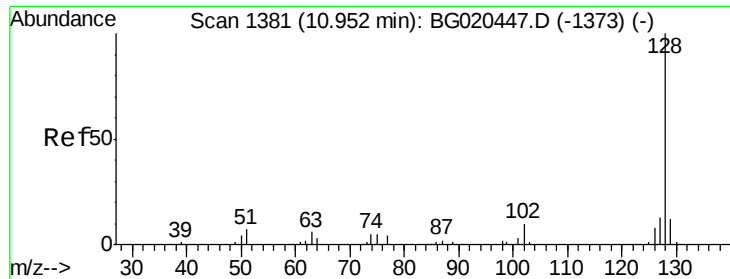
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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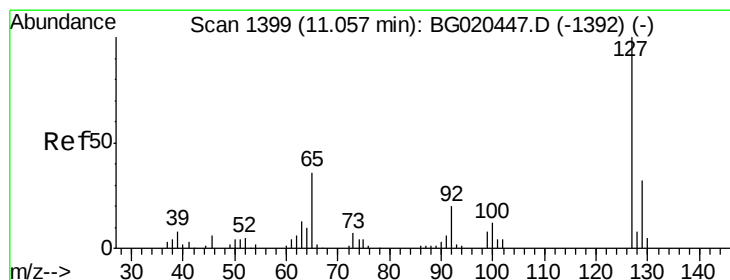
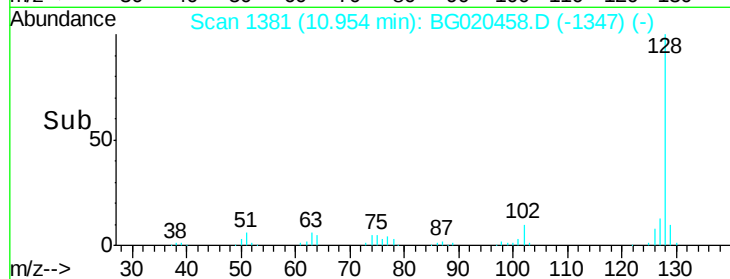
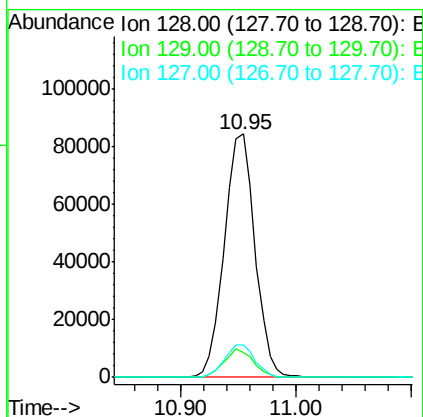
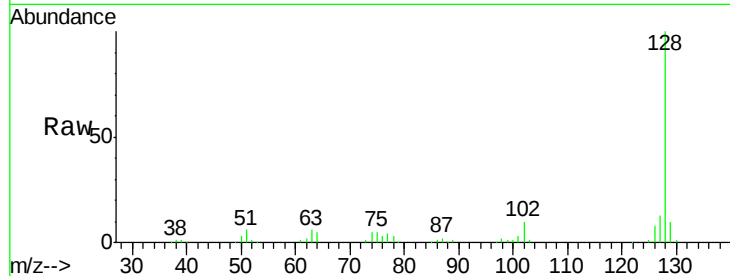




#28
Naphthalene
Concen: 43.27 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BG020458.D
Acq: 24 Dec 2015 00:43

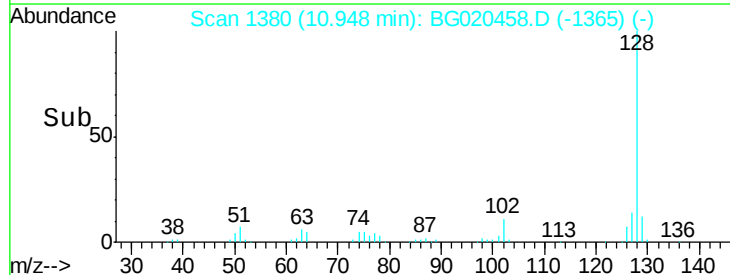
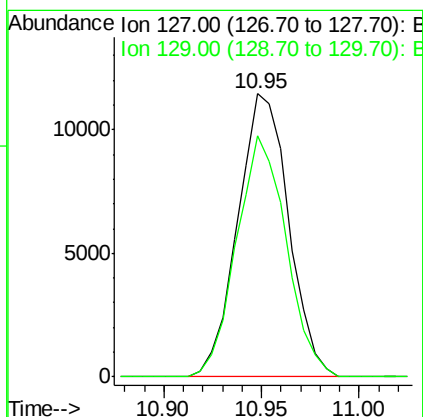
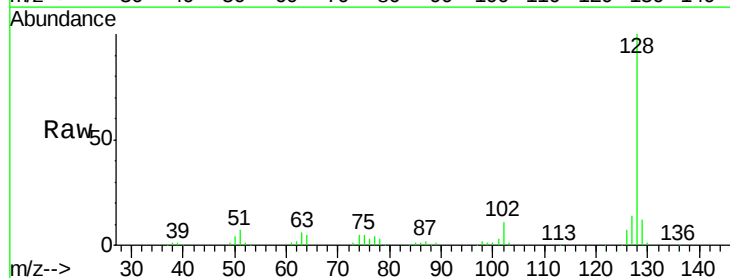
Instrument :
BNA_G
ClientSampleId :
D9N44MEDL

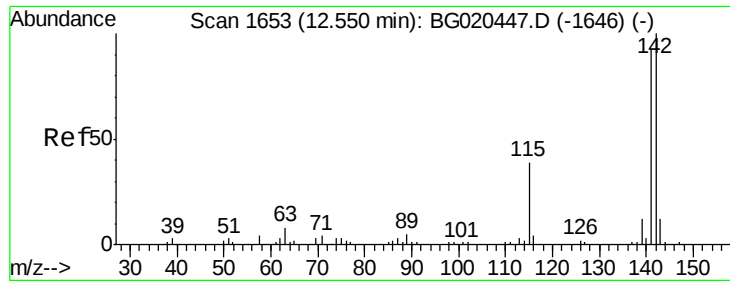
Tgt Ion:128 Resp: 155580
Ion Ratio Lower Upper
128 100
129 10.3 8.6 12.8
127 13.1 10.1 15.1



#30
4-Chloroaniline
Concen: 14.90 ng/ul
RT: 10.95 min Scan# 1380
Delta R.T. -0.11 min
Lab File: BG020458.D
Acq: 24 Dec 2015 00:43

Tgt Ion:127 Resp: 20673
Ion Ratio Lower Upper
127 100
129 85.1 25.7 38.5#

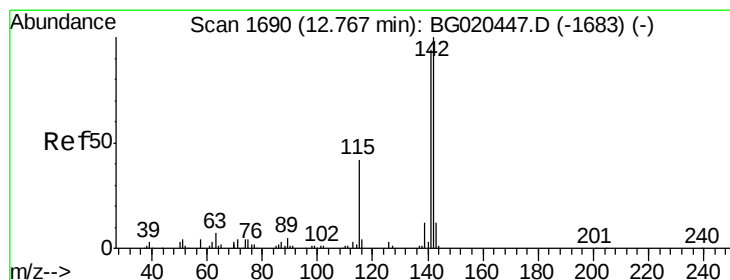
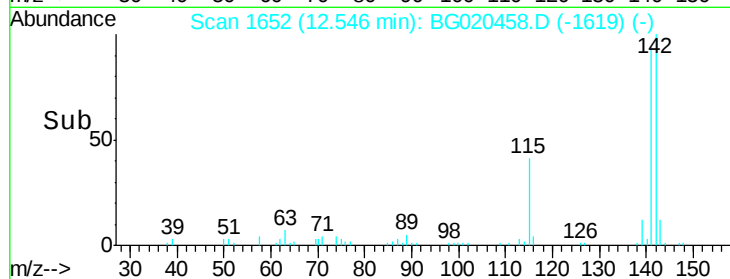
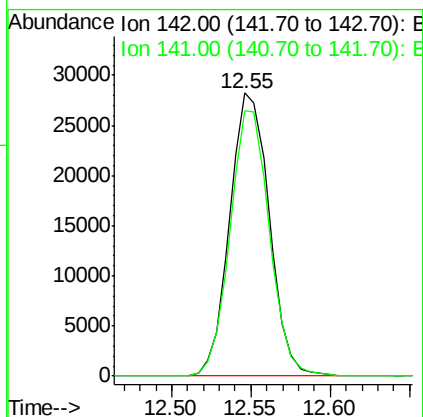
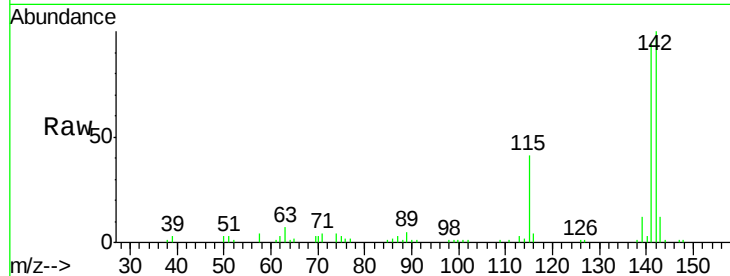




#34
 2-Methylnaphthalene
 Concen: 17.82 ng/ul
 RT: 12.55 min Scan# 1652
 Delta R.T. -0.00 min
 Lab File: BG020458.D
 Acq: 24 Dec 2015 00:43

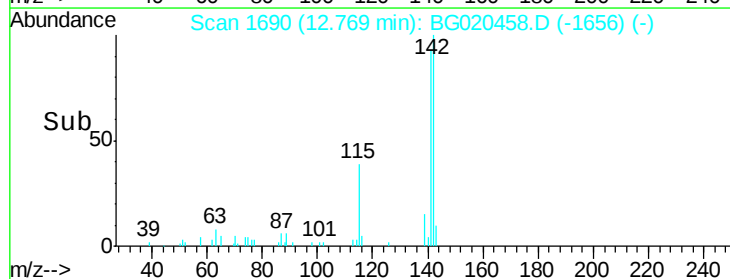
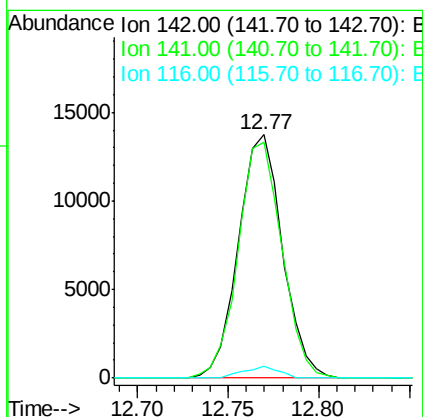
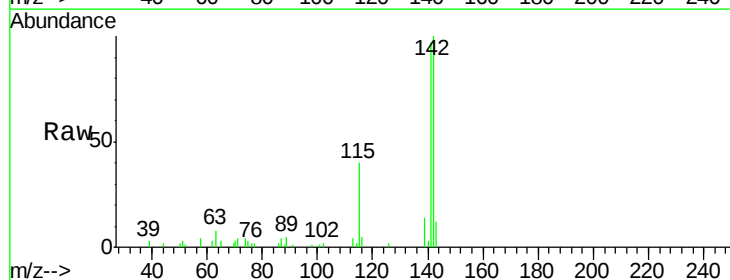
Instrument :
 BNA_G
 ClientSampleId :
 D9N44MEDL

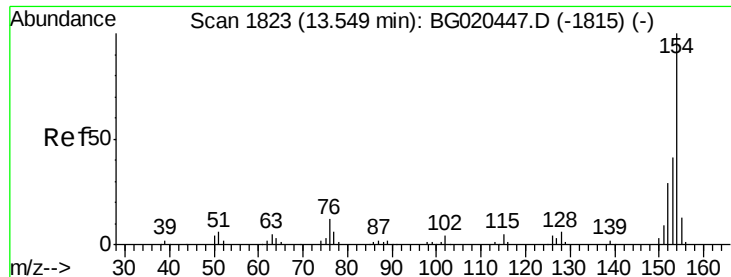
Tgt Ion:142 Resp: 48949
 Ion Ratio Lower Upper
 142 100
 141 93.9 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 8.81 ng/ul
 RT: 12.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: BG020458.D
 Acq: 24 Dec 2015 00:43

Tgt Ion:142 Resp: 23251
 Ion Ratio Lower Upper
 142 100
 141 96.9 73.0 109.6
 116 5.0 3.0 4.6#

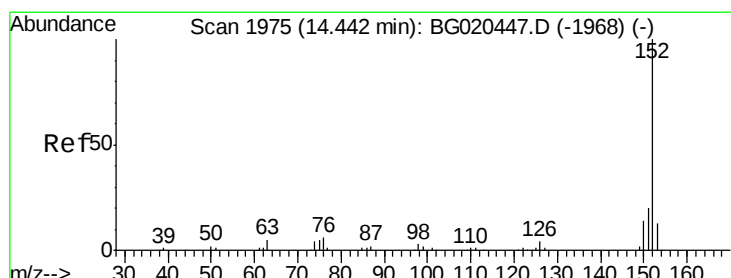
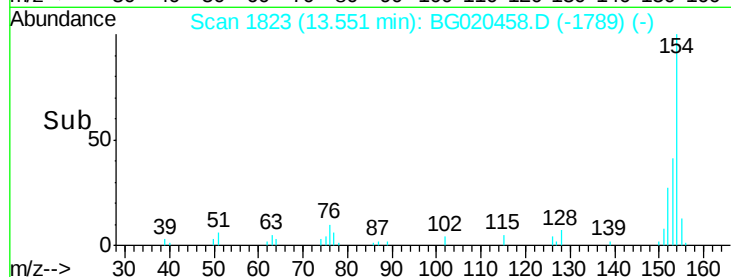
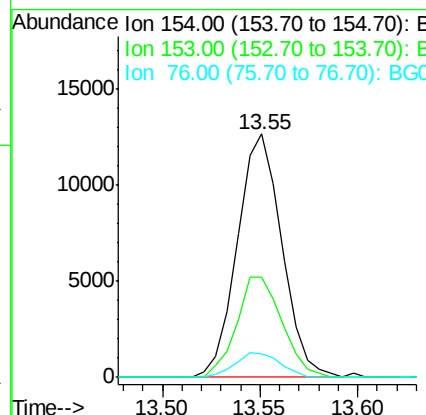
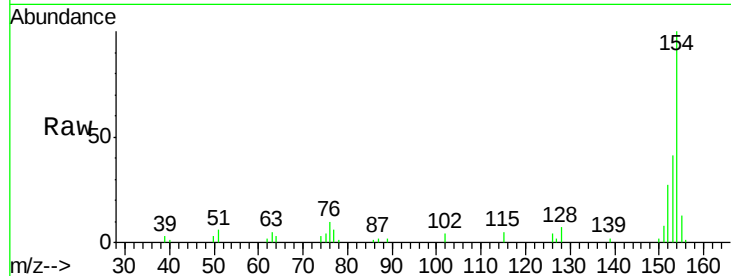




#41
 1,1'-Biphenyl
 Concen: 5.43 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BG020458.D
 Acq: 24 Dec 2015 00:43

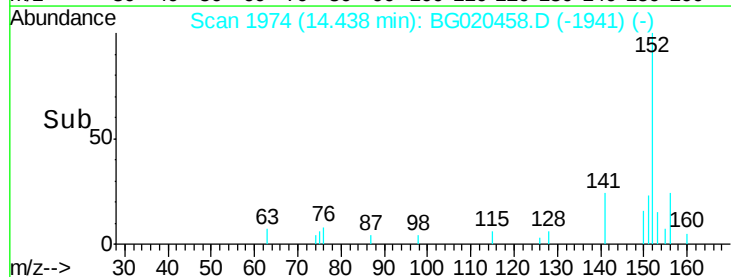
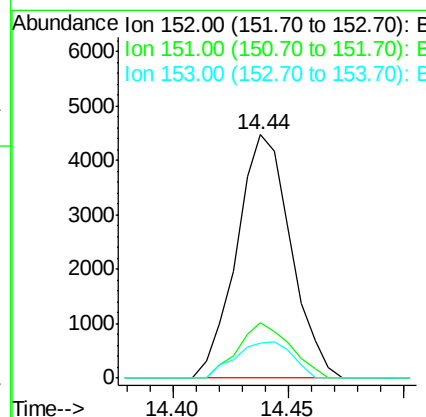
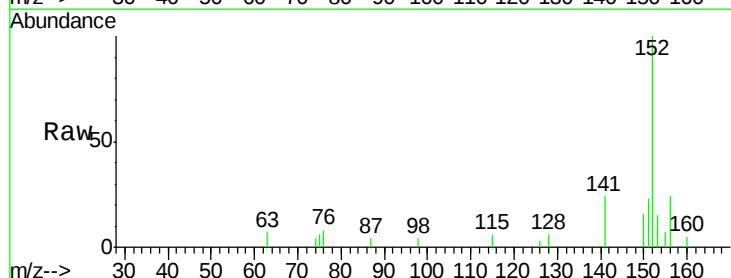
Instrument :
 BNA_G
 ClientSampleId :
 D9N44MEDL

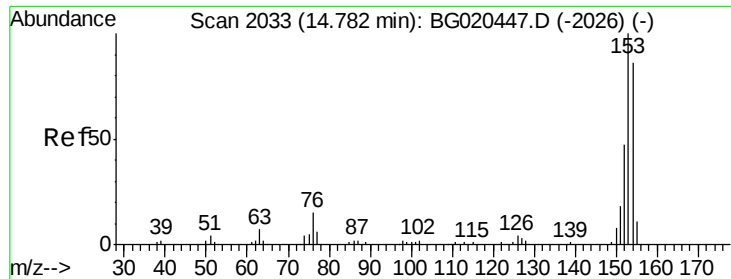
Tgt Ion:154 Resp: 19968
 Ion Ratio Lower Upper
 154 100
 153 41.1 35.5 53.3
 76 9.6 10.4 15.6#



#48
 Acenaphthylene
 Concen: 1.49 ng/ul
 RT: 14.44 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: BG020458.D
 Acq: 24 Dec 2015 00:43

Tgt Ion:152 Resp: 7282
 Ion Ratio Lower Upper
 152 100
 151 22.9 16.4 24.6
 153 14.5 10.4 15.6





#50

Acenaphthene

Concen: 27.88 ng/ul

RT: 14.78 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BG020458.D

Acq: 24 Dec 2015 00:43

Instrument :

BNA_G

ClientSampleId :

D9N44MEDL

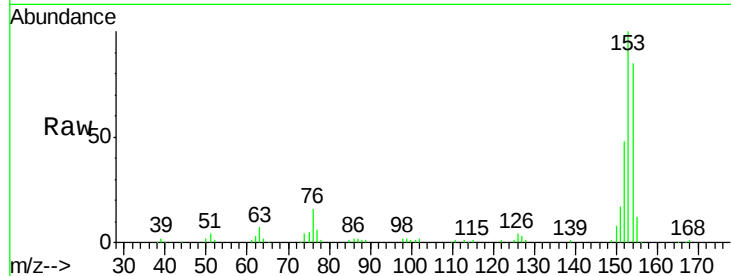
Tgt Ion:153 Resp: 91421

Ion Ratio Lower Upper

153 100

152 48.2 37.6 56.4

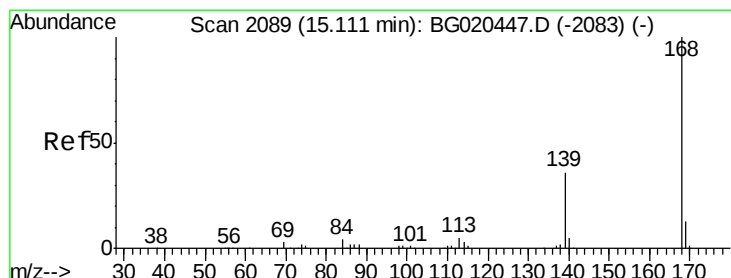
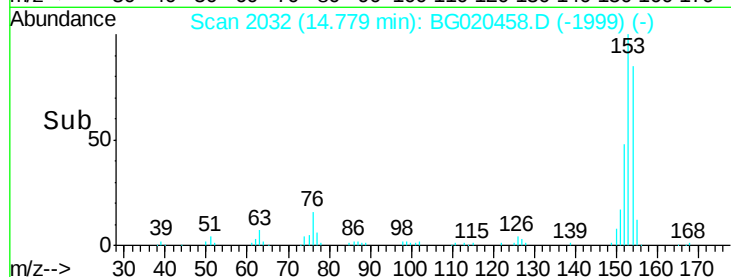
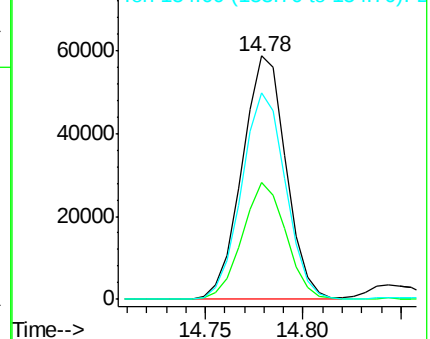
154 84.6 67.9 101.9



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: 19.66 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BG020458.D

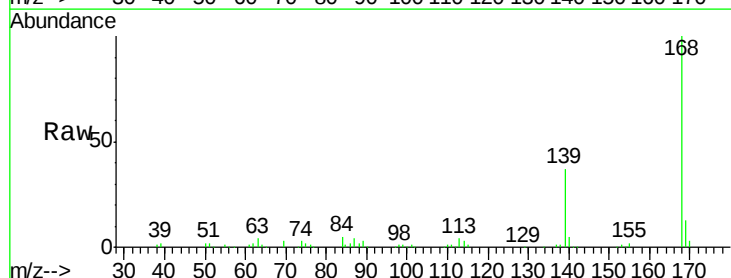
Acq: 24 Dec 2015 00:43

Tgt Ion:168 Resp: 95887

Ion Ratio Lower Upper

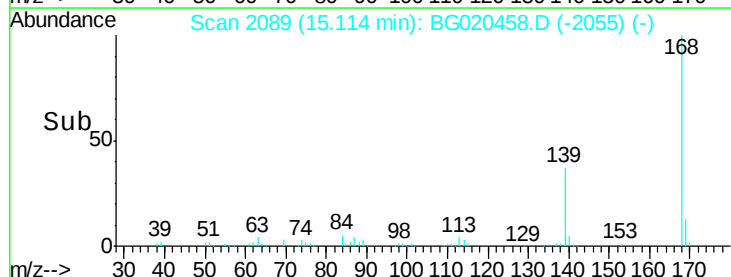
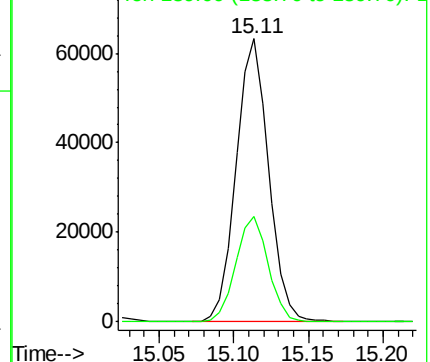
168 100

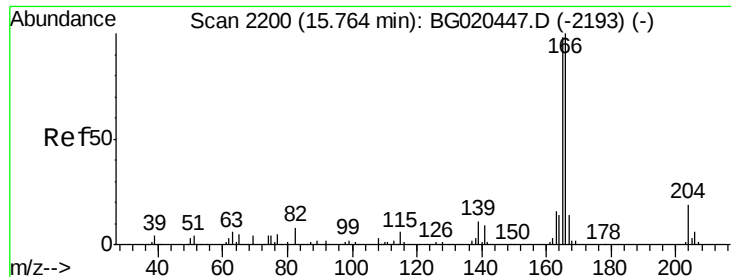
139 37.1 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 22.86 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. -0.00 min

Lab File: BG020458.D

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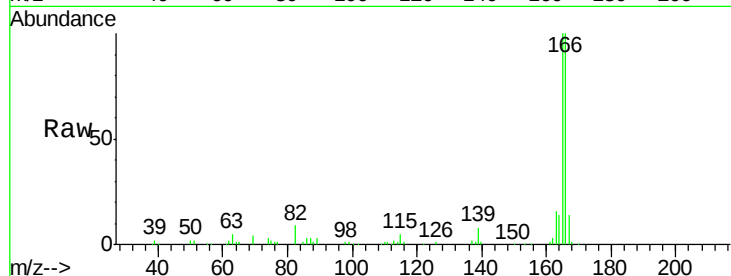
Tgt Ion:166 Resp: 89560

Ion Ratio Lower Upper

166 100

165 99.6 81.4 122.0

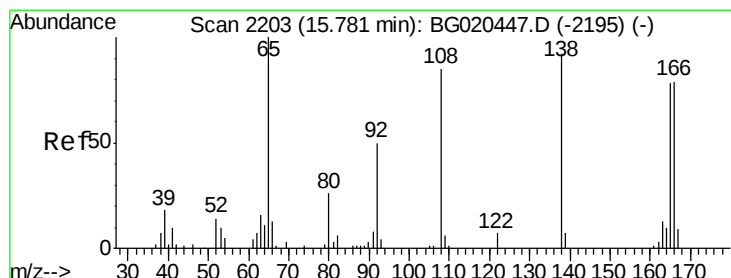
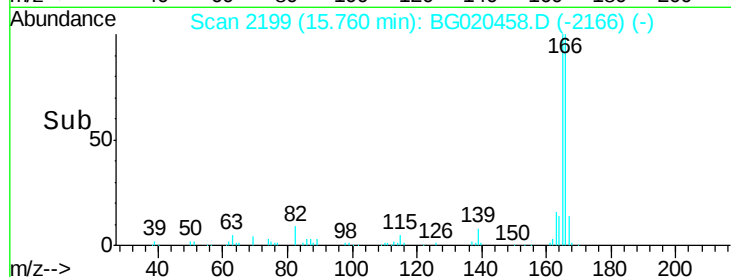
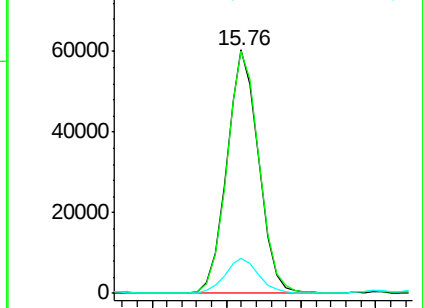
167 14.4 11.2 16.8



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: 1.08 ng/ul

RT: 15.76 min Scan# 2199

Delta R.T. -0.02 min

Lab File: BG020458.D

Acq: 24 Dec 2015 00:43

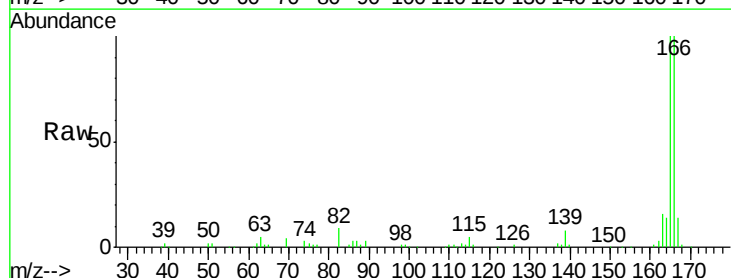
Tgt Ion:138 Resp: 948

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

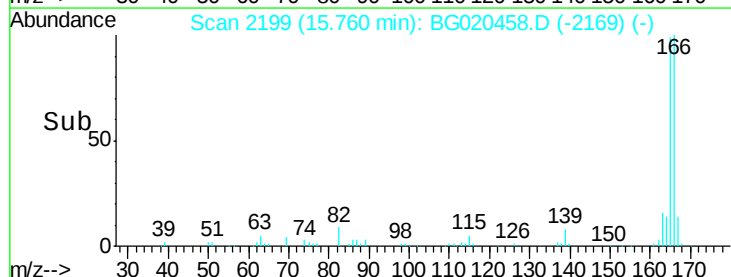
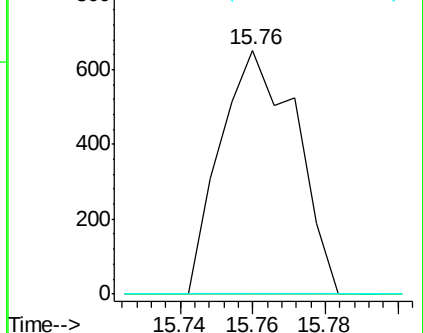
108 0.0 75.4 113.0#

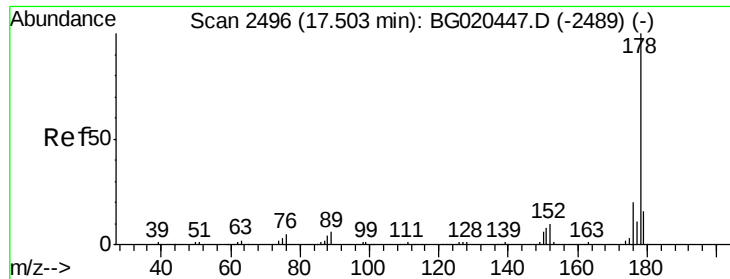


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#70

Phenanthrene

Concen: 62.60 ng/ul

RT: 17.50 min Scan# 2496

Delta R.T. 0.00 min

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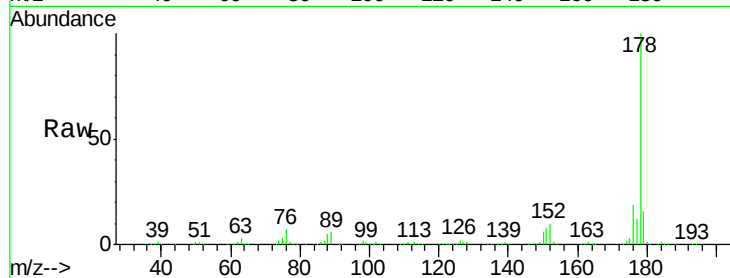
Tgt Ion:178 Resp: 443858

Ion Ratio Lower Upper

178 100

179 16.0 12.9 19.3

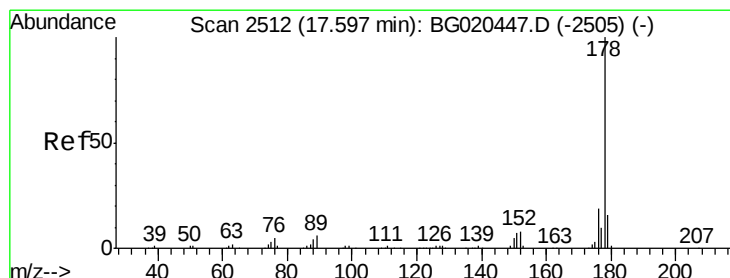
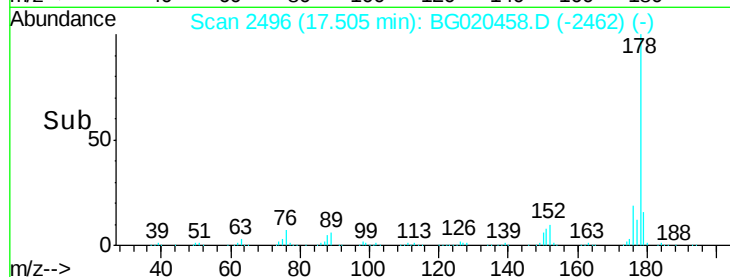
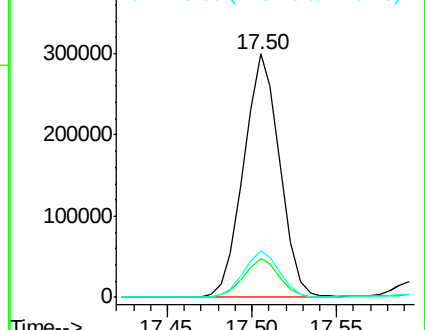
176 19.2 15.3 22.9



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: 4.04 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.00 min

Lab File: BG020458.D

Acq: 24 Dec 2015 00:43

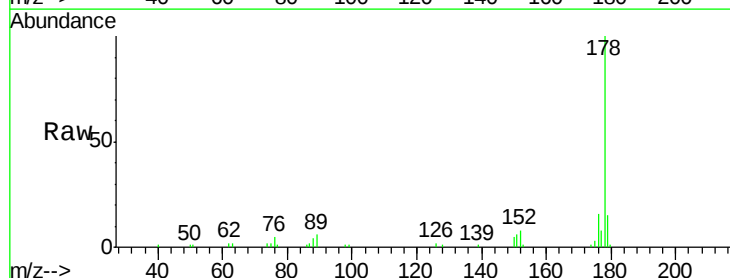
Tgt Ion:178 Resp: 29075

Ion Ratio Lower Upper

178 100

179 14.6 12.3 18.5

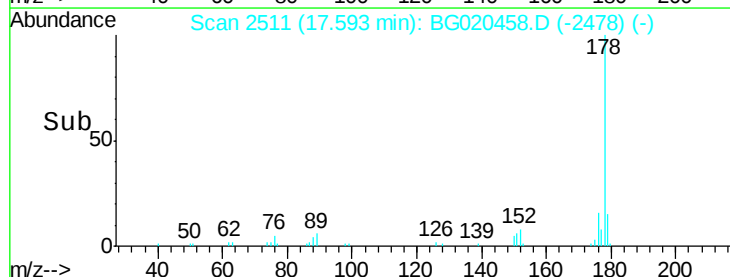
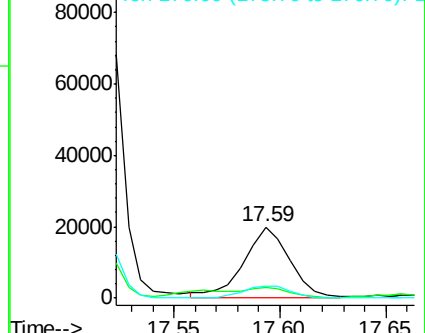
176 16.3 14.3 21.5

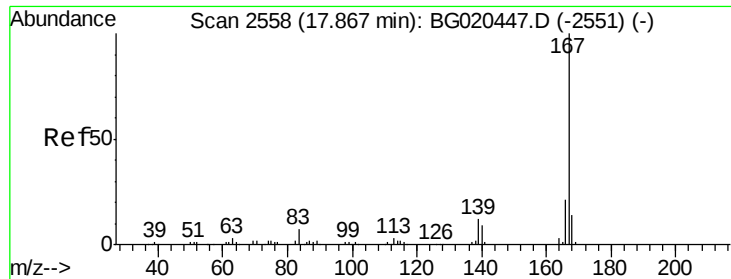


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 2.79 ng/ul

RT: 17.86 min Scan# 2557

Delta R.T. -0.00 min

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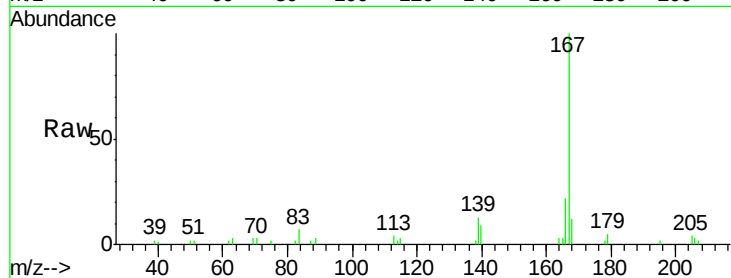
Tgt Ion:167 Resp: 16868

Ion Ratio Lower Upper

167 100

166 22.2 17.0 25.6

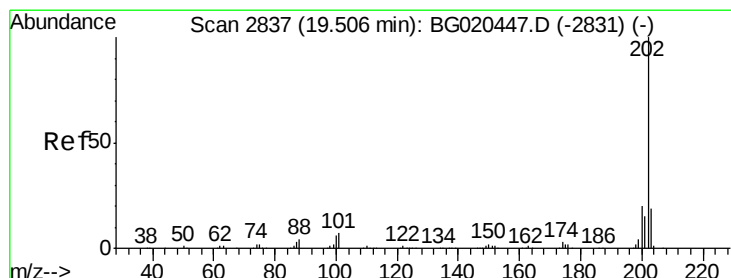
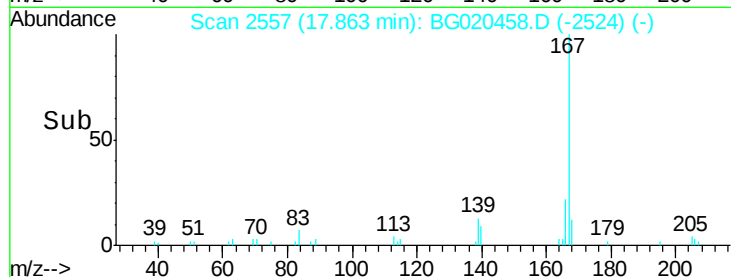
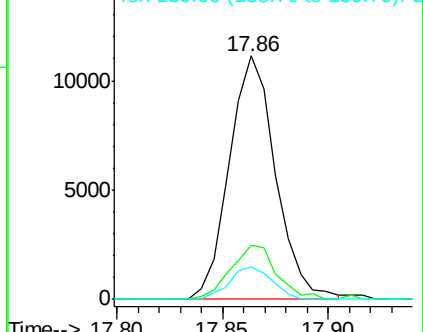
139 13.1 10.1 15.1



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: 33.39 ng/ul

RT: 19.51 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BG020458.D

Acq: 24 Dec 2015 00:43

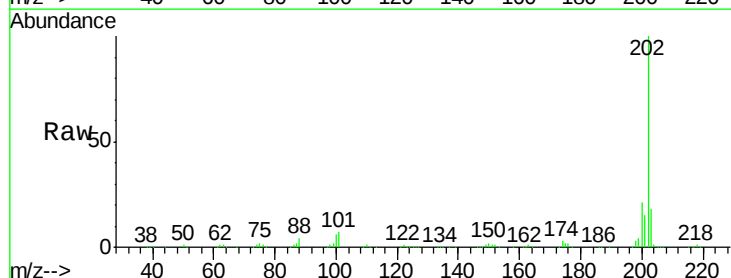
Tgt Ion:202 Resp: 276729

Ion Ratio Lower Upper

202 100

101 7.1 6.2 9.4

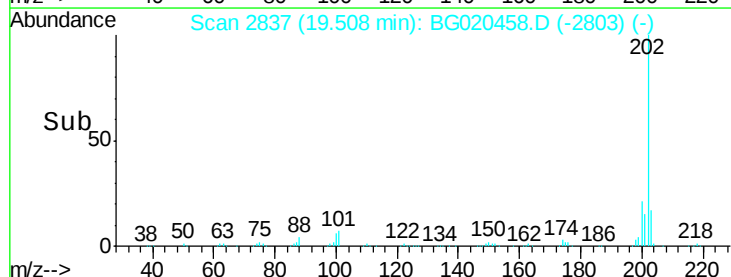
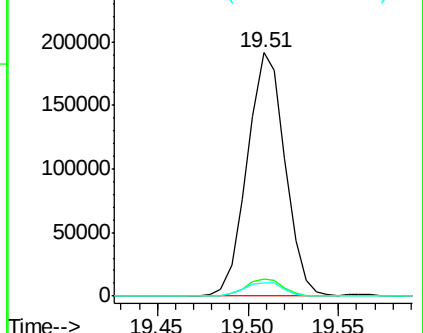
100 5.5 5.1 7.7

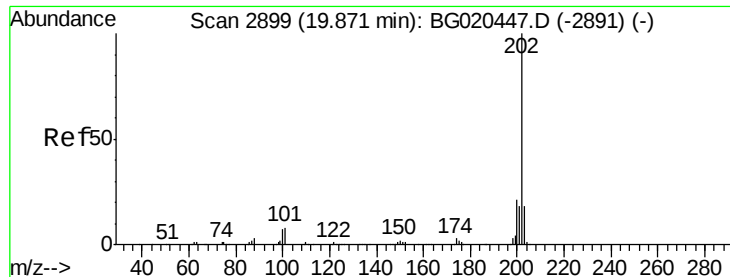


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

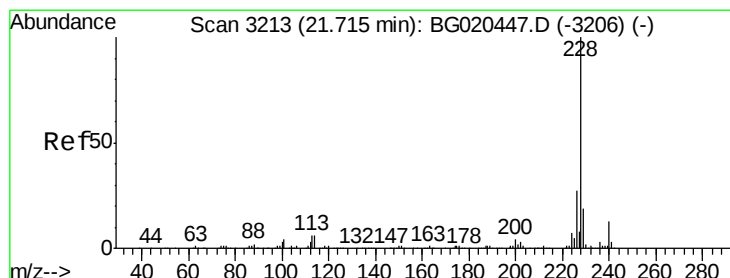
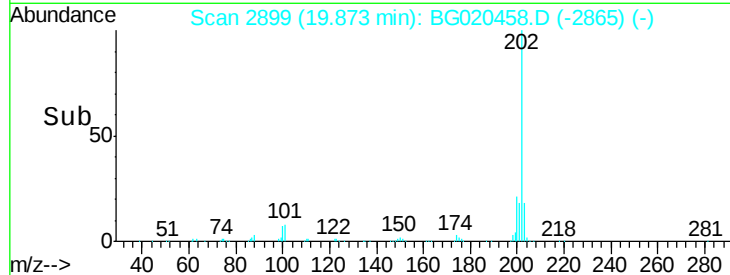
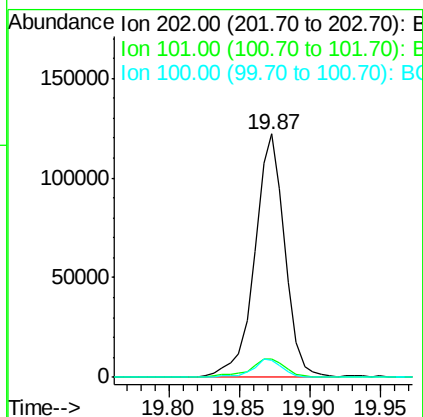
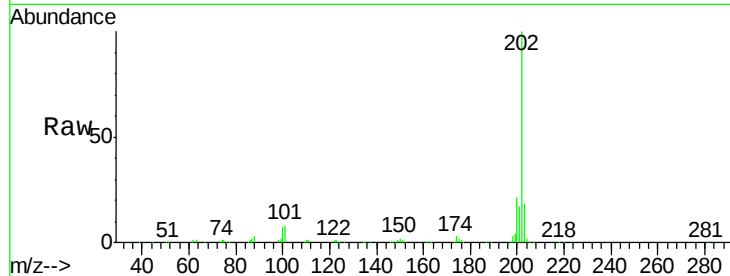




#80
 Pyrene
 Concen: 18.07 ng/u1
 RT: 19.87 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: BG020458.D
 Acq: 24 Dec 2015 00:43

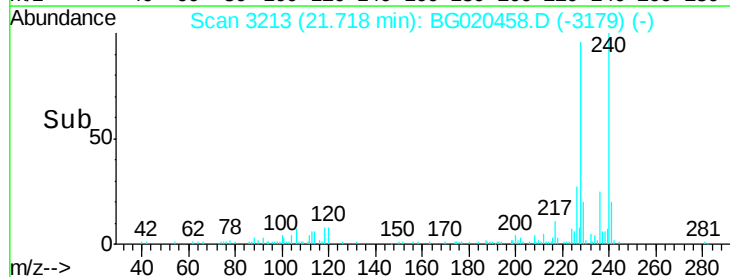
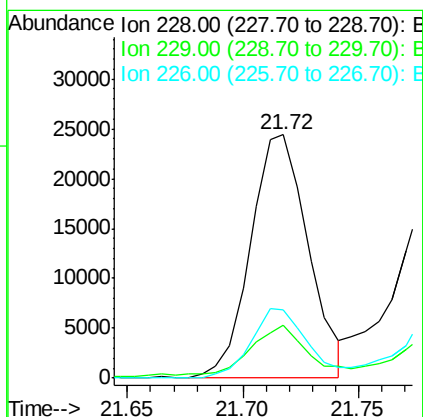
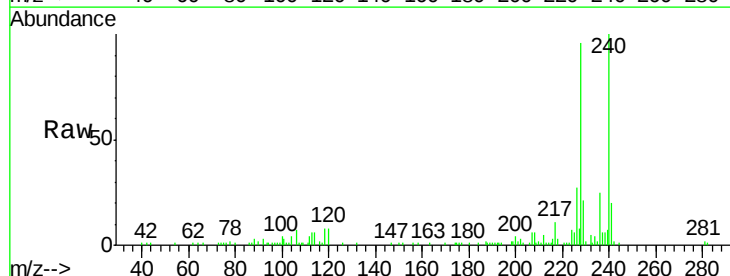
Instrument :
 BNA_G
 ClientSampleId :
 D9N44MEDL

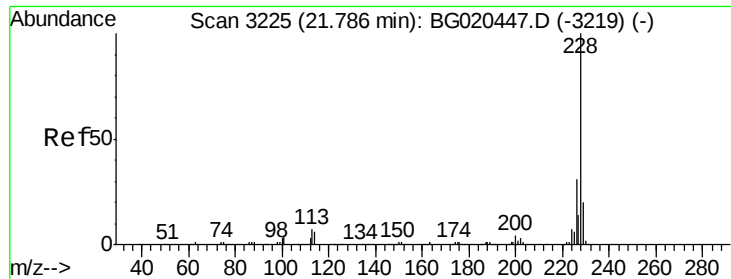
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.7	7.0	10.4
100	7.1	6.4	9.6



#83
 Benzo(a)anthracene
 Concen: 4.34 ng/u1
 RT: 21.72 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: BG020458.D
 Acq: 24 Dec 2015 00:43

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.7	15.8	23.8
226	28.2	21.8	32.6





#85

Chrysene

Concen: 4.60 ng/ul

RT: 21.72 min Scan# 3213

Delta R.T. -0.07 min

Lab File: BG020458.D

Acq: 24 Dec 2015 00:43

Instrument :

BNA_G

ClientSampleId :

D9N44MEDL

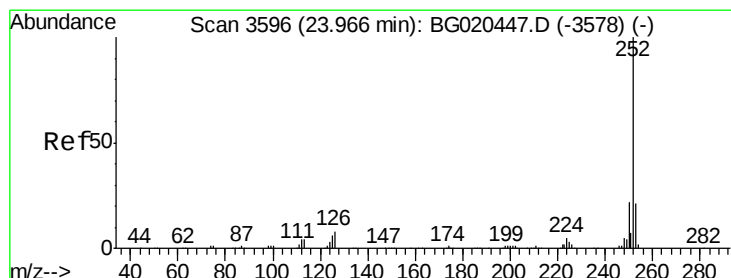
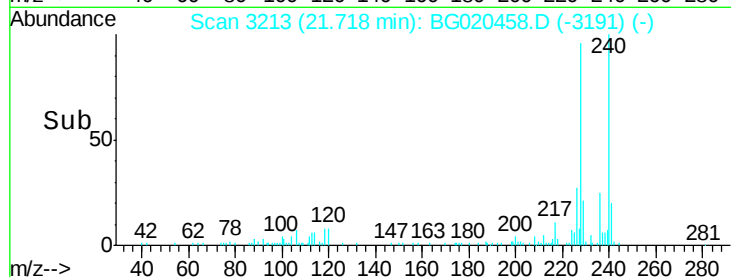
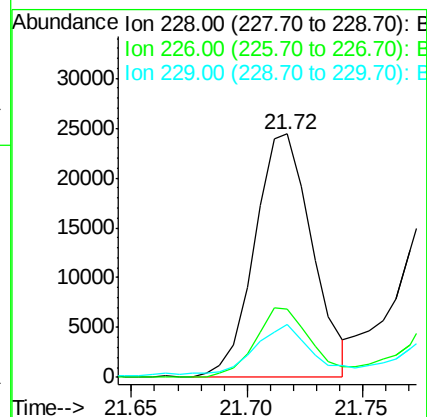
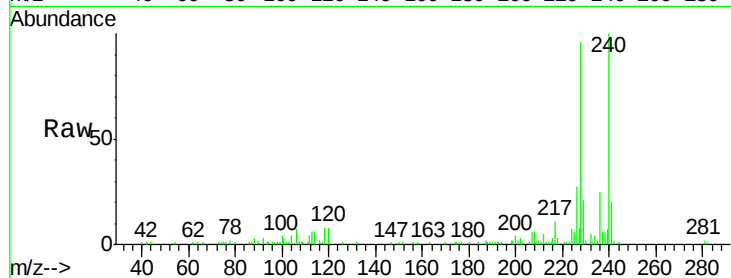
Tgt Ion:228 Resp: 42323

Ion Ratio Lower Upper

228 100

226 28.2 23.9 35.9

229 21.7 15.6 23.4



#88

Benzo(b)fluoranthene

Concen: 2.06 ng/ul

RT: 23.96 min Scan# 3595

Delta R.T. -0.00 min

Lab File: BG020458.D

Acq: 24 Dec 2015 00:43

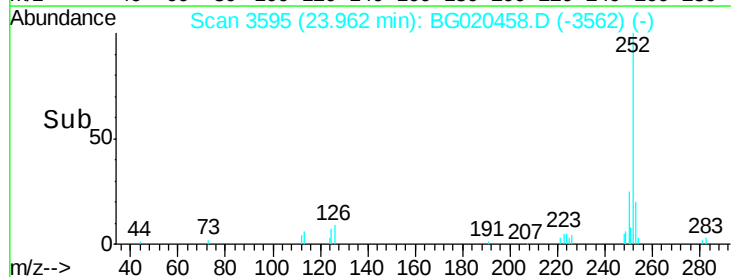
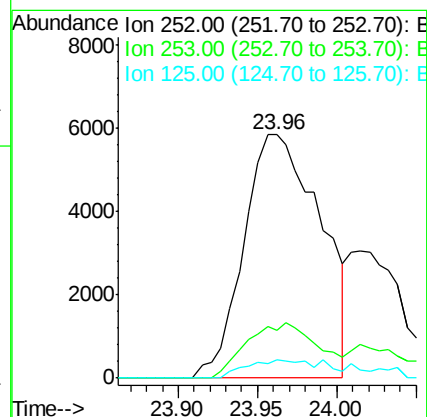
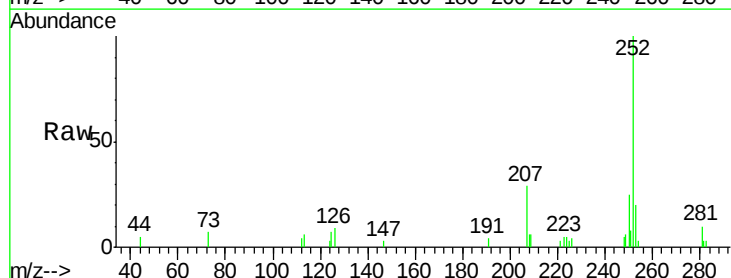
Tgt Ion:252 Resp: 19652

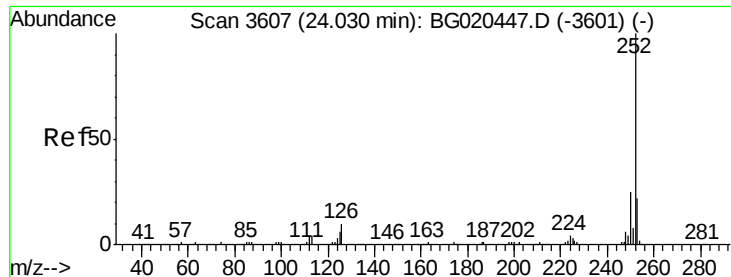
Ion Ratio Lower Upper

252 100

253 19.8 16.7 25.1

125 7.4 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 2.15 ng/ul

RT: 23.96 min Scan# 3595

Delta R.T. -0.07 min

Lab File: BG020458.D

Acq: 24 Dec 2015 00:43

Instrument :

BNA_G

ClientSampleId :

D9N44MEDL

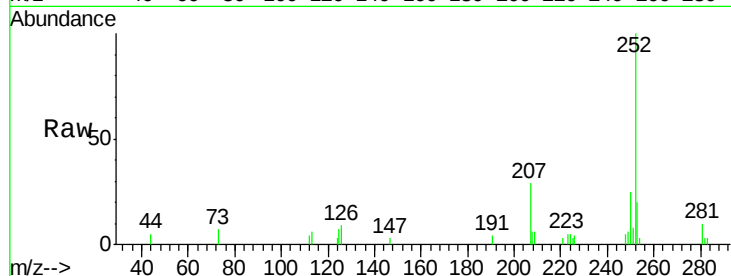
Tgt Ion:252 Resp: 19652

Ion Ratio Lower Upper

252 100

253 19.8 17.9 26.9

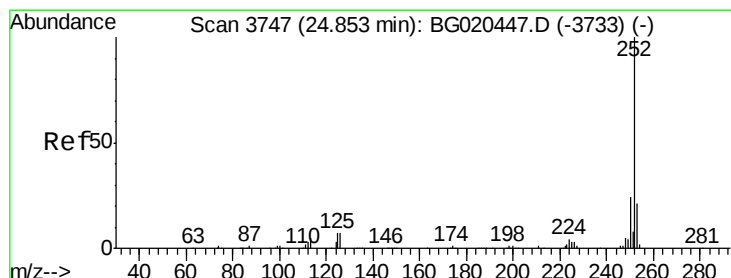
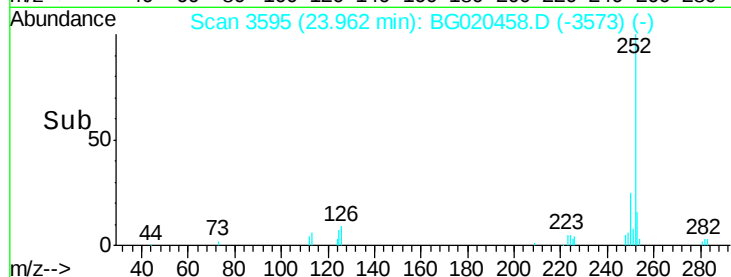
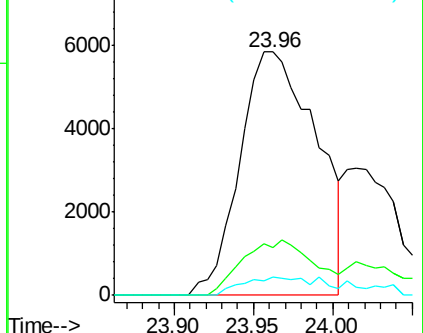
125 7.4 5.8 8.6



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: 1.27 ng/ul

RT: 24.84 min Scan# 3745

Delta R.T. -0.01 min

Lab File: BG020458.D

Acq: 24 Dec 2015 00:43

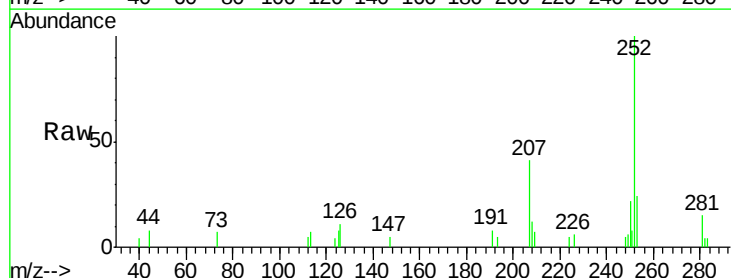
Tgt Ion:252 Resp: 11453

Ion Ratio Lower Upper

252 100

253 23.8 17.0 25.4

125 8.1 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

