

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
 Data File : BG020453.D
 Acq On : 23 Dec 2015 21:26
 Operator : UM/SJ
 Sample : G4848-14DL 25X
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N60DL

Quant Time: Dec 24 02:51:38 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	20256	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	94404	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	67912	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	166109	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	207671	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	193887	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	1192	0.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	833	0.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	1044	0.80	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	1088	0.71	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	232	0.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	629	0.77	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	1304	0.79	ng/ul	0.00
29) 4-Chloroaniline-d4	11.03	131	555	0.30	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	5775	1.05	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	6491	1.02	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.71	176	5863	1.18	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.56	188	8571	1.12	ng/ul	0.00
79) Pyrene-d10	19.84	212	9436	0.97	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	10027	1.04	ng/ul	0.00

Target Compounds

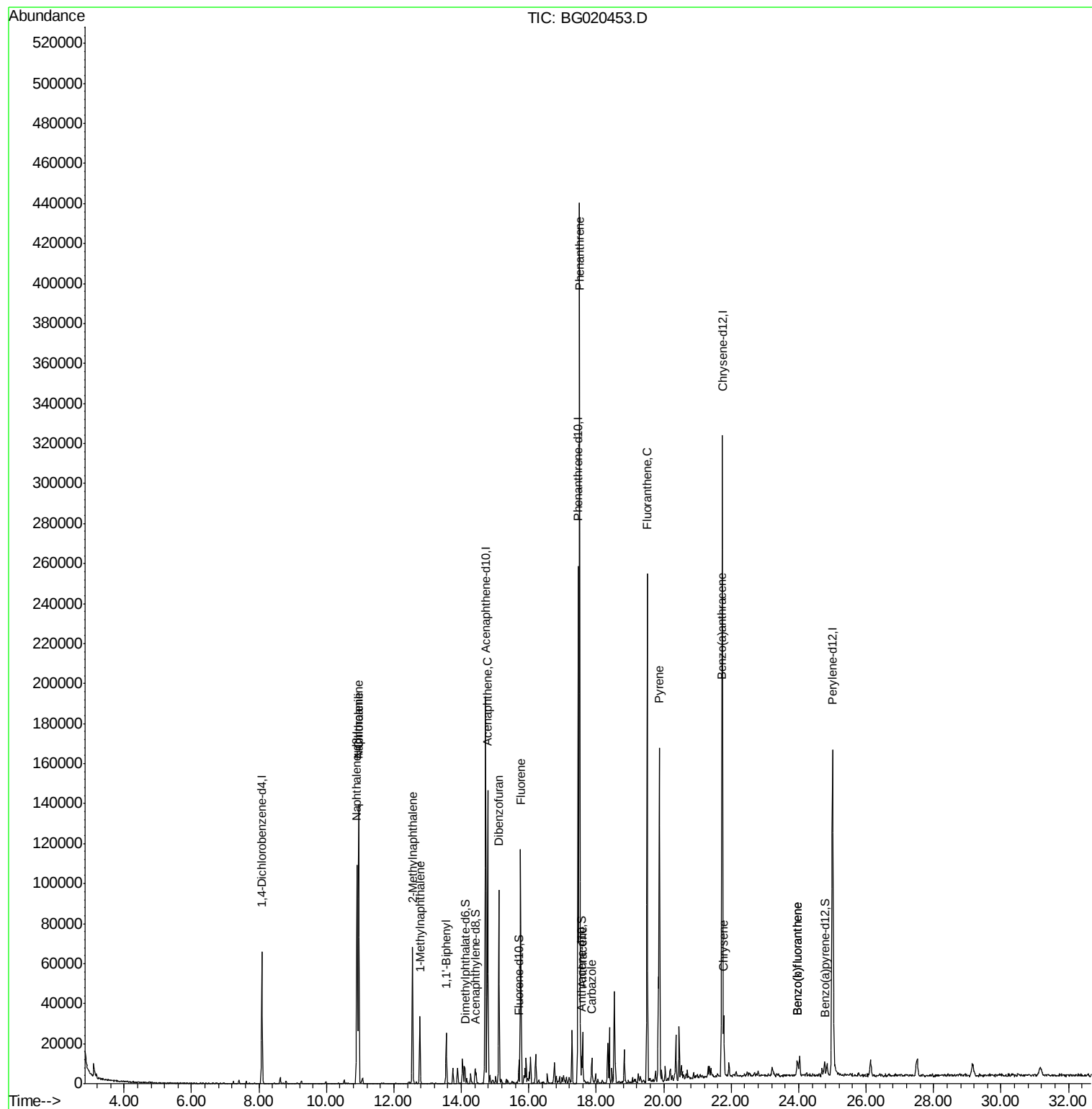
						Qvalue
28) Naphthalene	10.95	128	120413	24.42	ng/ul	98
30) 4-Chloroaniline	10.95	127	16348	8.60	ng/ul#	21
34) 2-Methylnaphthalene	12.55	142	33691	8.95	ng/ul	97
35) 1-Methylnaphthalene	12.77	142	16488	4.55	ng/ul#	93
41) 1,1'-Biphenyl	13.55	154	14631	2.86	ng/ul#	94
50) Acenaphthene	14.78	153	65391	14.31	ng/ul	99
54) Dibenzofuran	15.11	168	65478	9.63	ng/ul	100
59) Fluorene	15.76	166	56947	10.43	ng/ul	100
70) Phenanthrene	17.50	178	289526	31.87	ng/ul	100
72) Anthracene	17.59	178	20627	2.24	ng/ul	97
75) Carbazole	17.87	167	10460	1.35	ng/ul	99
77) Fluoranthene	19.51	202	173955	16.38	ng/ul	97
80) Pyrene	19.87	202	118532	9.43	ng/ul	98
83) Benzo(a)anthracene	21.72	228	28159	2.32	ng/ul	98
85) Chrysene	21.78	228	22901	2.01	ng/ul	98
88) Benzo(b)fluoranthene	23.96	252	12121	1.04	ng/ul	95
89) Benzo(k)fluoranthene	23.96	252	12121	1.08	ng/ul	97

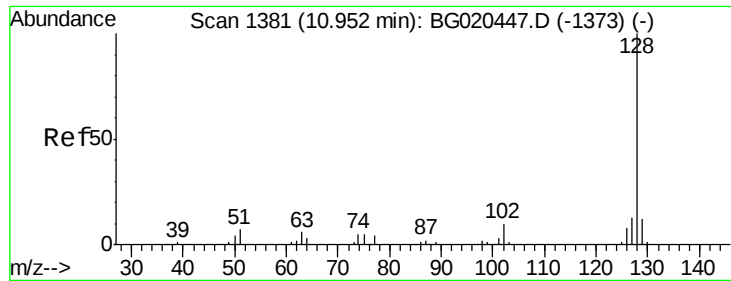
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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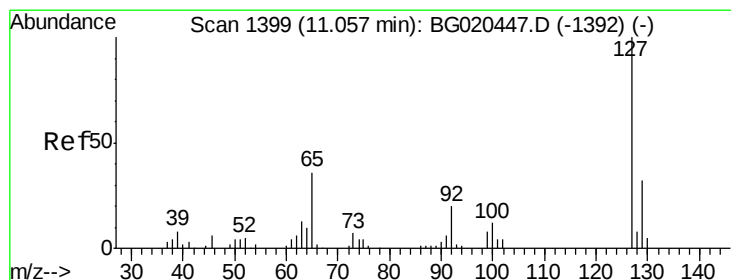
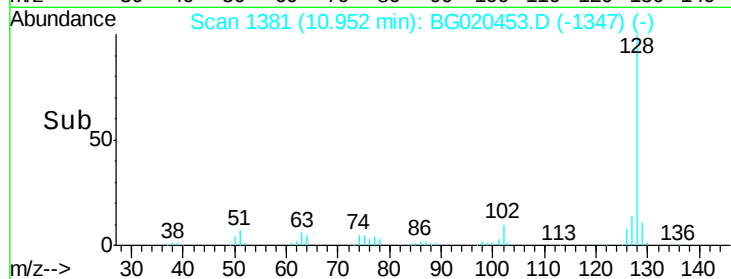
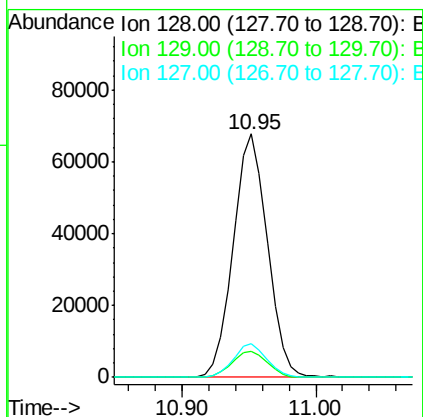
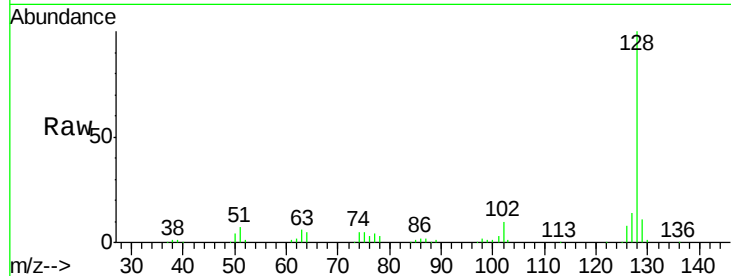




#28
Naphthalene
Concen: 24.42 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. 0.00 min
Lab File: BG020453.D
Acq: 23 Dec 2015 21:26

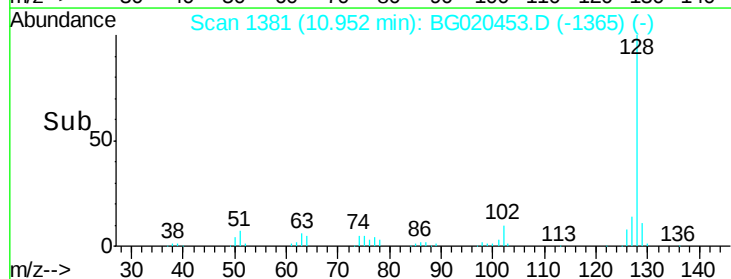
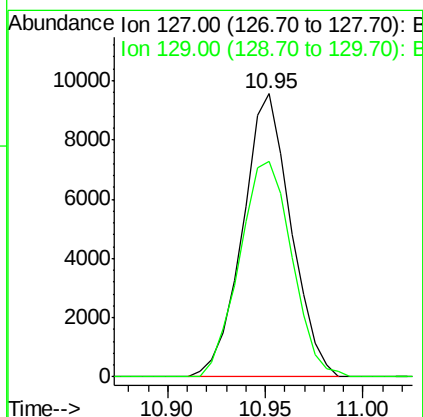
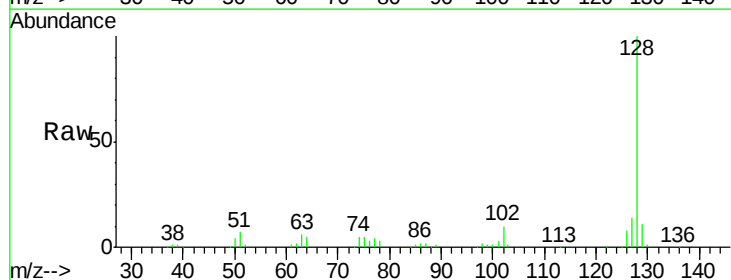
Instrument :
BNA_G
ClientSampleId :
D9N60DL

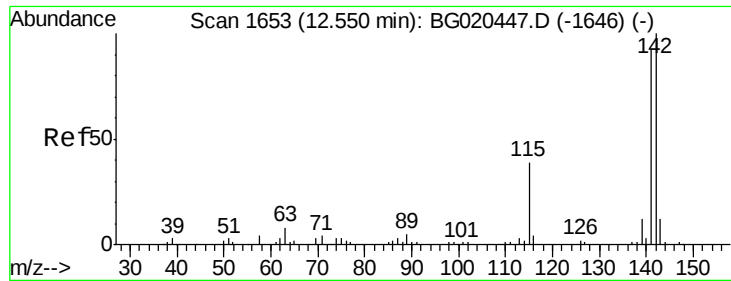
Tgt Ion:128 Resp: 120413
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 14.1 10.1 15.1



#30
4-Chloroaniline
Concen: 8.60 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. -0.11 min
Lab File: BG020453.D
Acq: 23 Dec 2015 21:26

Tgt Ion:127 Resp: 16348
Ion Ratio Lower Upper
127 100
129 76.3 25.7 38.5#

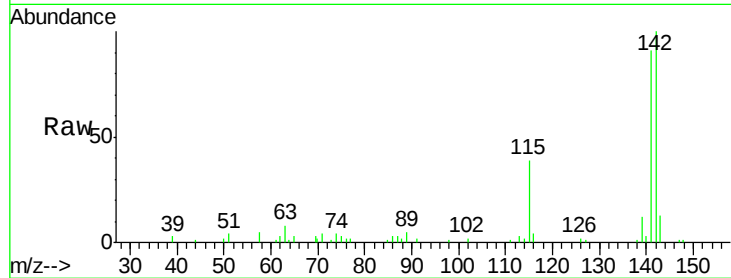




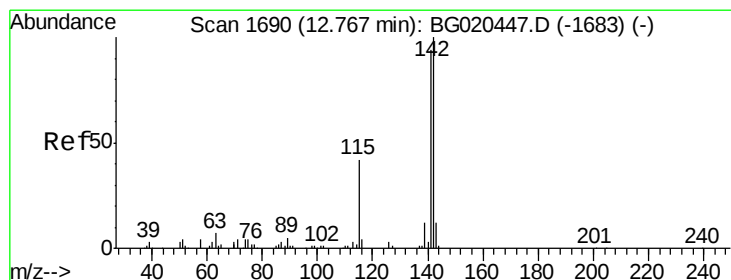
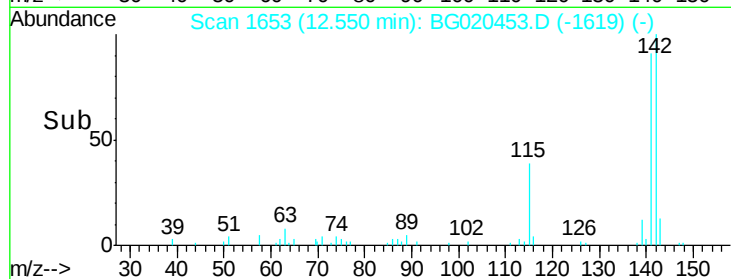
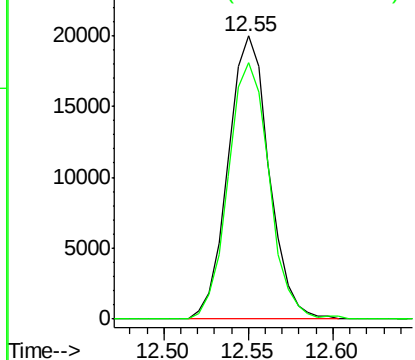
#34
2-Methylnaphthalene
Concen: 8.95 ng/ul
RT: 12.55 min Scan# 1653
Delta R.T. 0.00 min
Lab File: BG020453.D
Acq: 23 Dec 2015 21:26

Instrument :
BNA_G
ClientSampleId :
D9N60DL

Tgt Ion:142 Resp: 33691
Ion Ratio Lower Upper
142 100
141 90.7 74.9 112.3

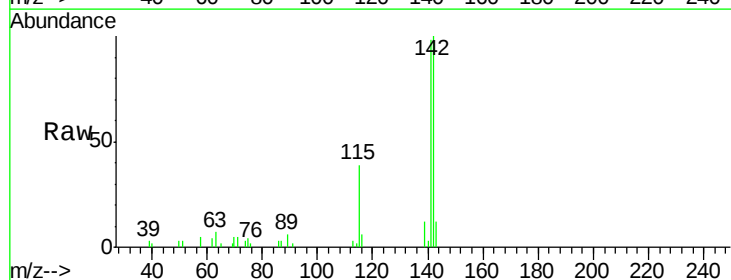


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

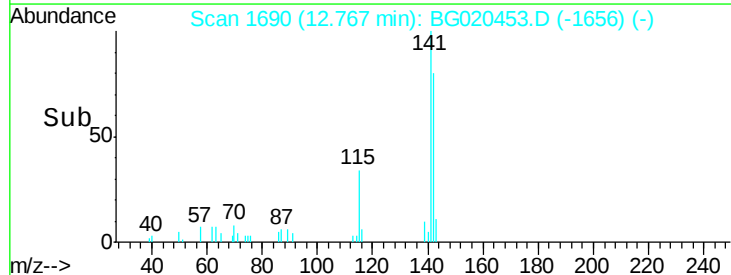
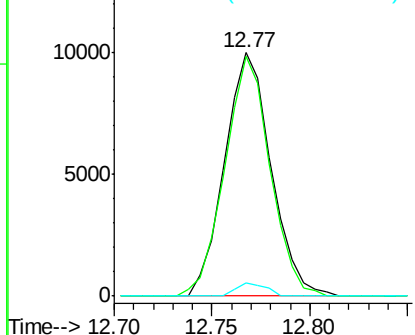


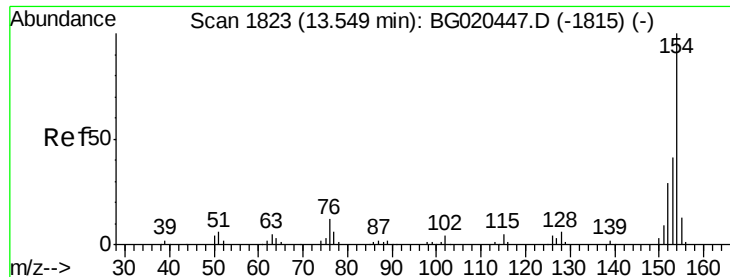
#35
1-Methylnaphthalene
Concen: 4.55 ng/ul
RT: 12.77 min Scan# 1690
Delta R.T. 0.00 min
Lab File: BG020453.D
Acq: 23 Dec 2015 21:26

Tgt Ion:142 Resp: 16488
Ion Ratio Lower Upper
142 100
141 98.5 73.0 109.6
116 5.6 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

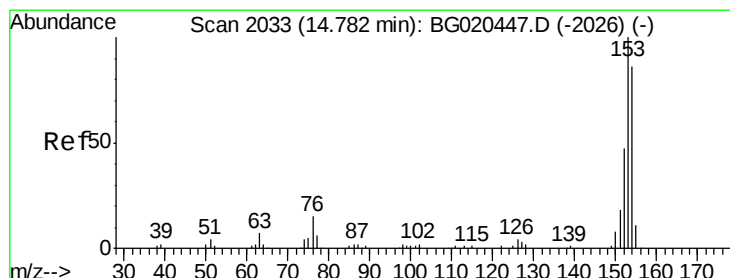
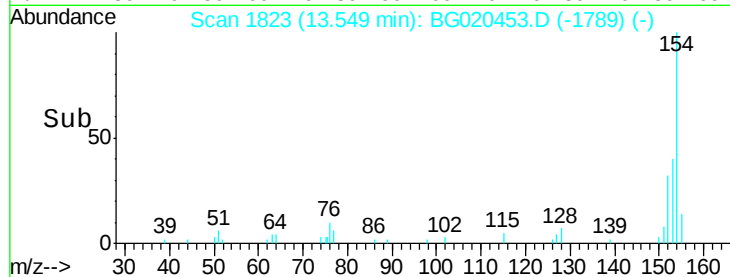
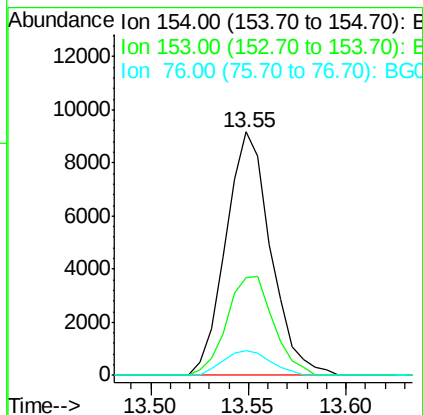
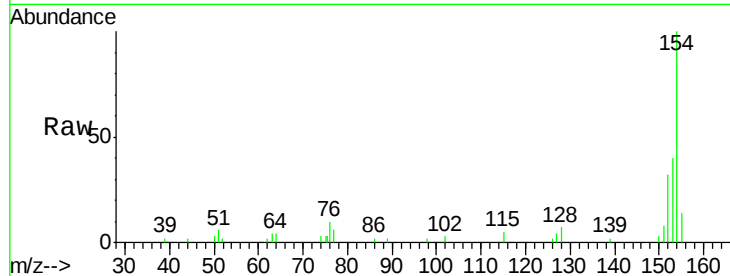




#41
 1,1'-Biphenyl
 Concen: 2.86 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BG020453.D
 Acq: 23 Dec 2015 21:26

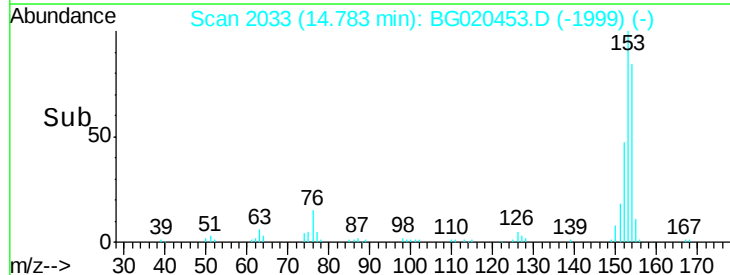
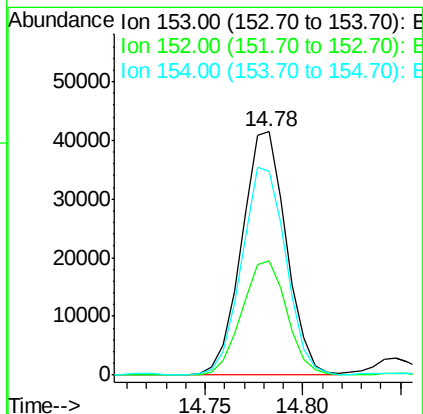
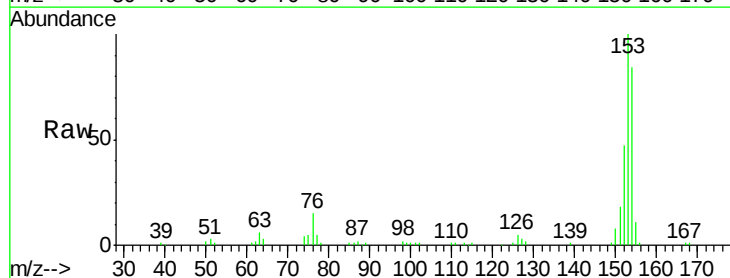
Instrument :
 BNA_G
 ClientSampleId :
 D9N60DL

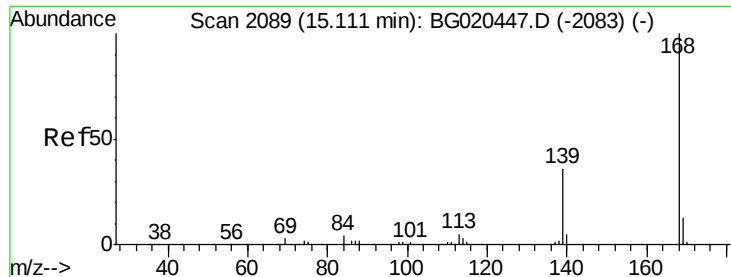
Tgt Ion:154 Resp: 14631
 Ion Ratio Lower Upper
 154 100
 153 40.4 35.5 53.3
 76 10.1 10.4 15.6#



#50
 Acenaphthene
 Concen: 14.31 ng/ul
 RT: 14.78 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: BG020453.D
 Acq: 23 Dec 2015 21:26

Tgt Ion:153 Resp: 65391
 Ion Ratio Lower Upper
 153 100
 152 46.8 37.6 56.4
 154 84.0 67.9 101.9





#54

Dibenzenofuran

Concen: 9.63 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BG020453.D

Acq: 23 Dec 2015 21:26

Instrument :

BNA_G

ClientSampleId :

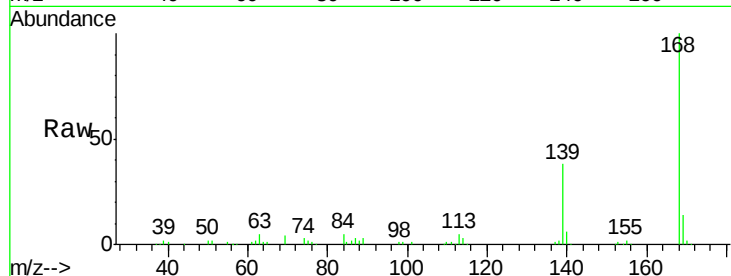
D9N60DL

Tgt Ion:168 Resp: 65478

Ion Ratio Lower Upper

168 100

139 38.0 30.5 45.7

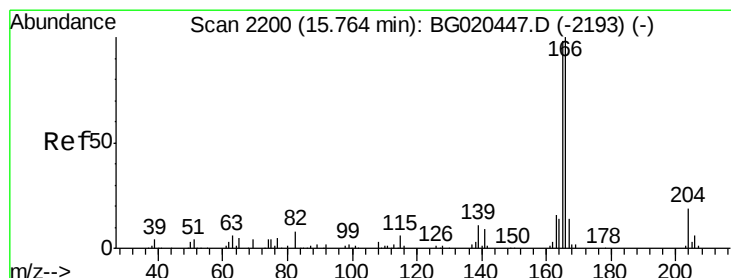
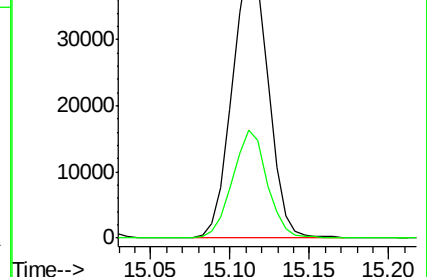
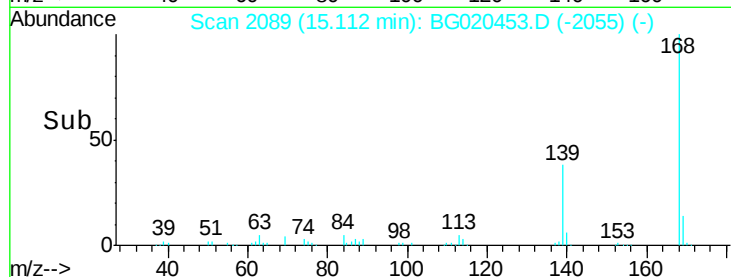


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

15.11

Time-->



#59

Fluorene

Concen: 10.43 ng/ul

RT: 15.76 min Scan# 2200

Delta R.T. 0.00 min

Lab File: BG020453.D

Acq: 23 Dec 2015 21:26

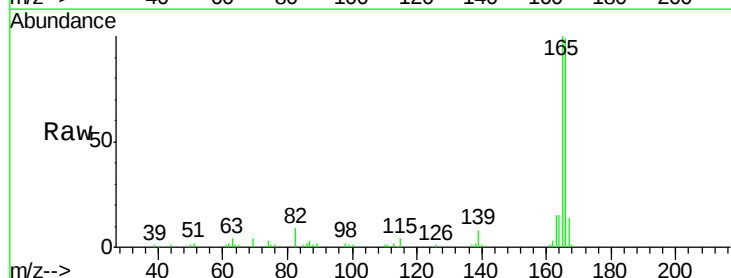
Tgt Ion:166 Resp: 56947

Ion Ratio Lower Upper

166 100

165 101.4 81.4 122.0

167 14.0 11.2 16.8



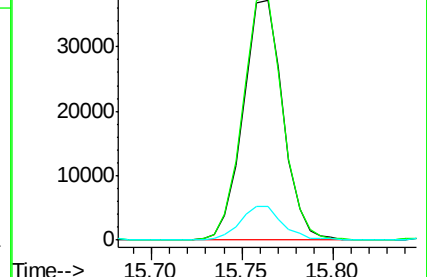
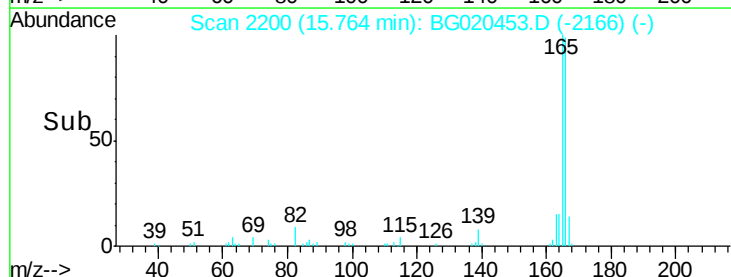
Abundance Ion 166.00 (165.70 to 166.70): E

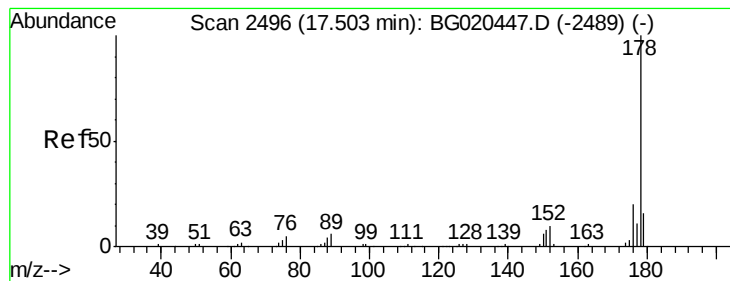
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.76

Time-->





#70

Phenanthrene

Concen: 31.87 ng/ul

RT: 17.50 min Scan# 2496

Delta R.T. 0.00 min

Lab File: BG020453.D

Acq: 23 Dec 2015 21:26

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D9N60DL

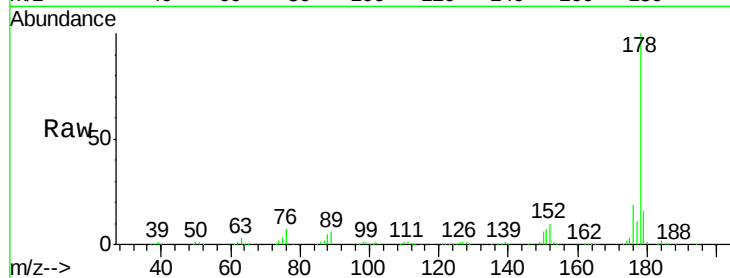
Tgt Ion:178 Resp: 289526

Ion Ratio Lower Upper

178 100

179 16.0 12.9 19.3

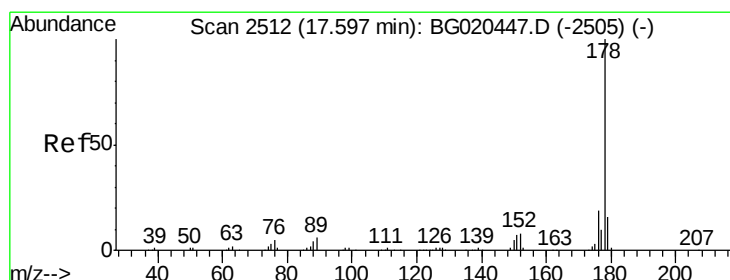
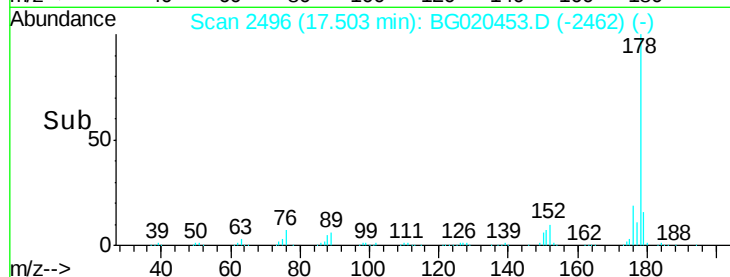
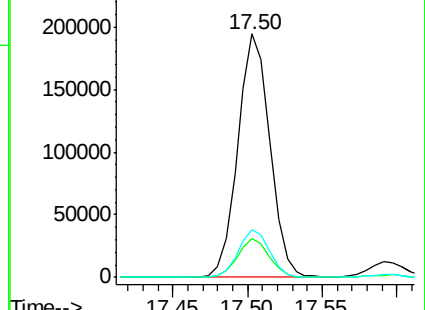
176 19.4 15.3 22.9



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: 2.24 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BG020453.D

Acq: 23 Dec 2015 21:26

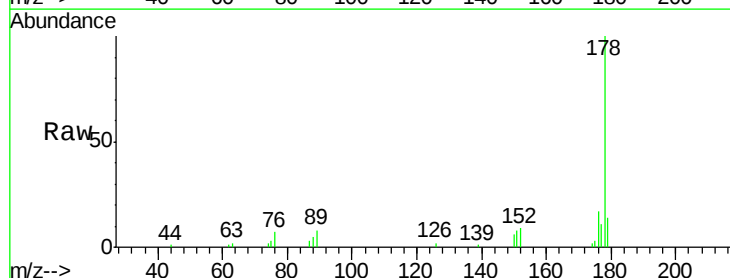
Tgt Ion:178 Resp: 20627

Ion Ratio Lower Upper

178 100

179 14.0 12.3 18.5

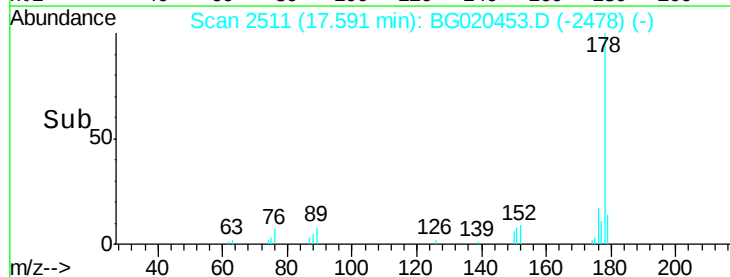
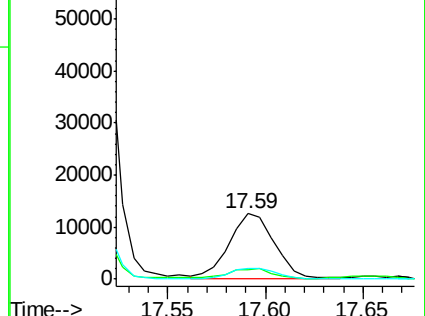
176 16.8 14.3 21.5

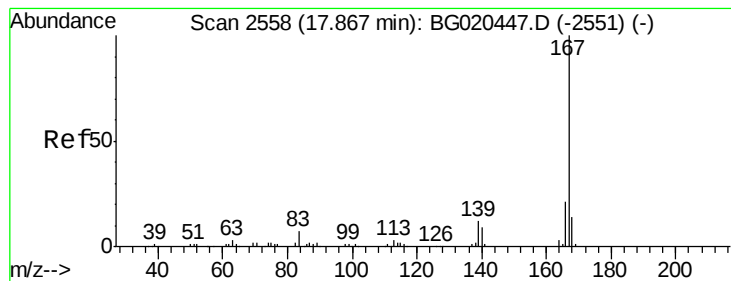


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.35 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. 0.00 min

Lab File: BG020453.D

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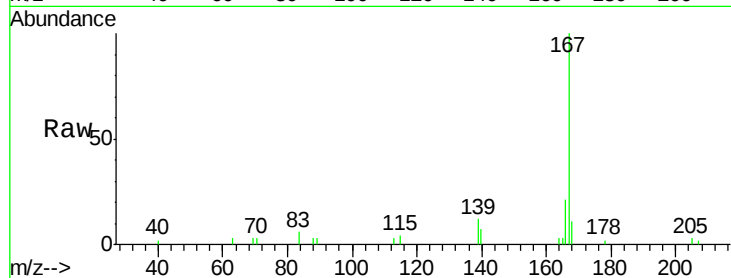
Tgt Ion:167 Resp: 10460

Ion Ratio Lower Upper

167 100

166 21.2 17.0 25.6

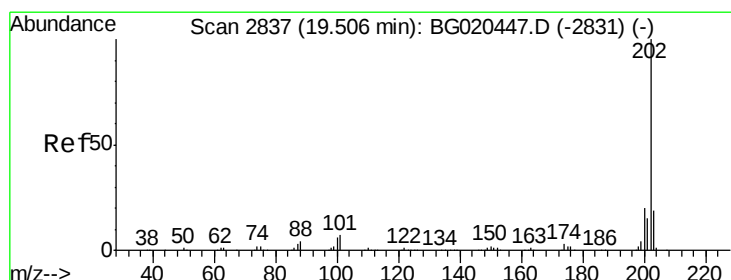
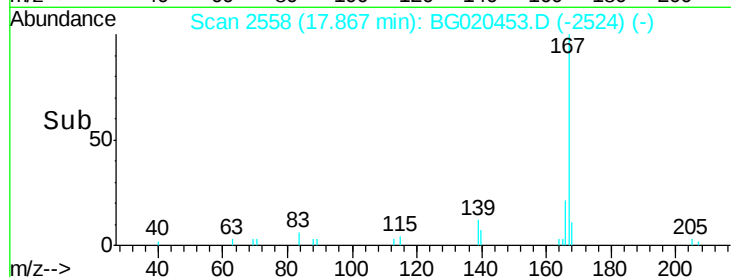
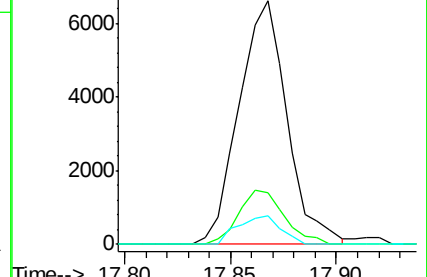
139 11.6 10.1 15.1



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



#77

Fluoranthene

Concen: 16.38 ng/ul

RT: 19.51 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BG020453.D

Acq: 23 Dec 2015 21:26

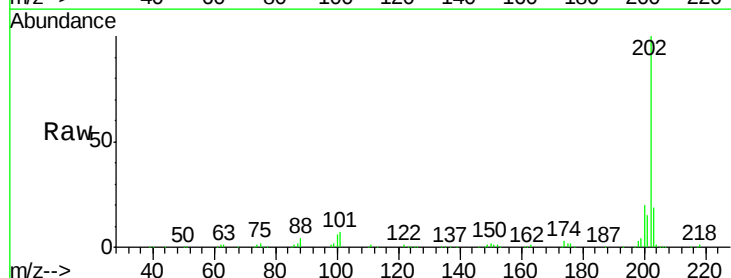
Tgt Ion:202 Resp: 173955

Ion Ratio Lower Upper

202 100

101 6.7 6.2 9.4

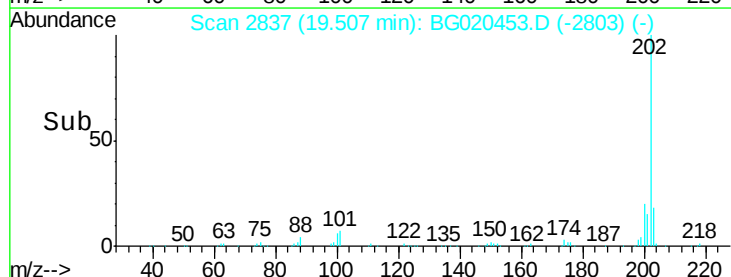
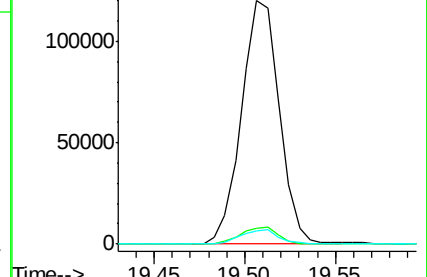
100 5.5 5.1 7.7

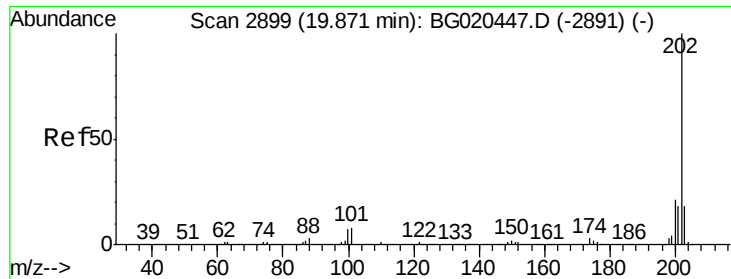


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

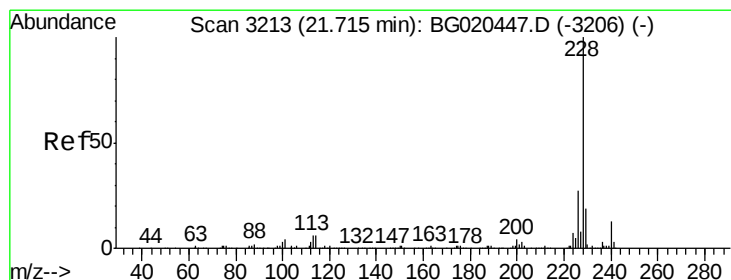
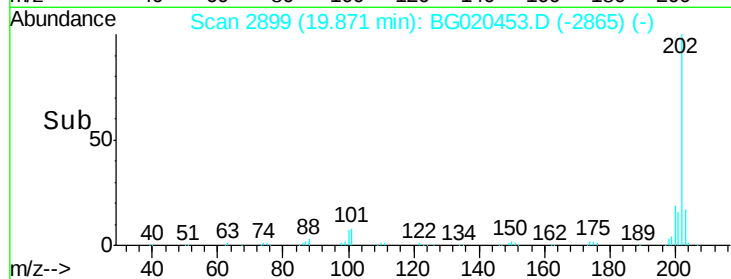
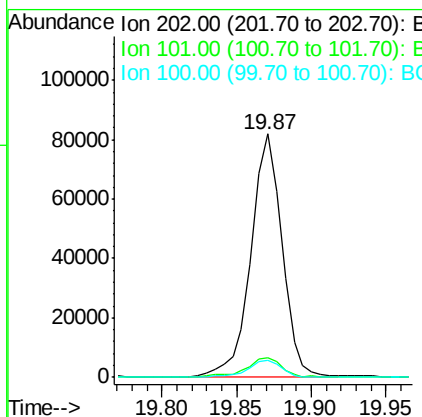
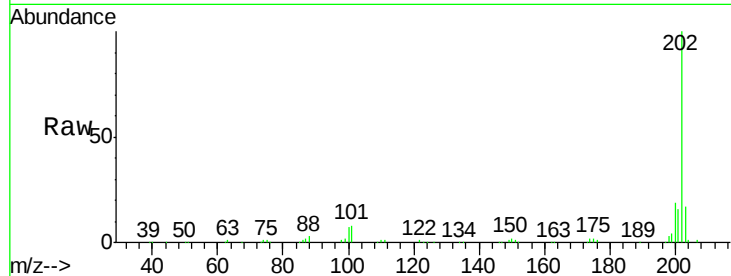




#80
 Pyrene
 Concen: 9.43 ng/ul
 RT: 19.87 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: BG020453.D
 Acq: 23 Dec 2015 21:26

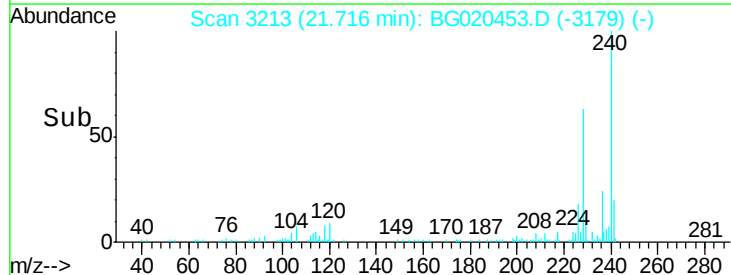
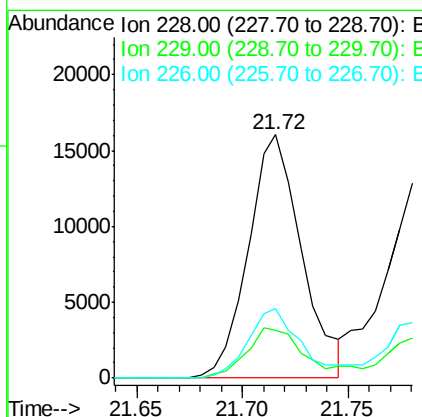
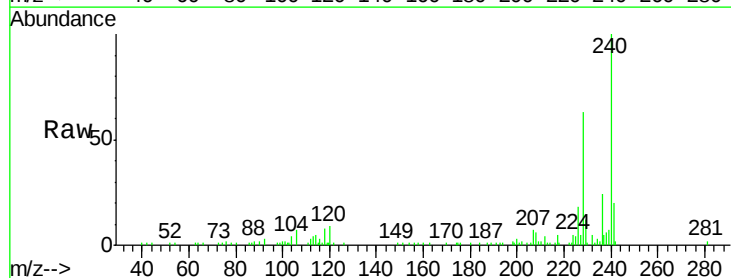
Instrument :
 BNA_G
 ClientSampleId :
 D9N60DL

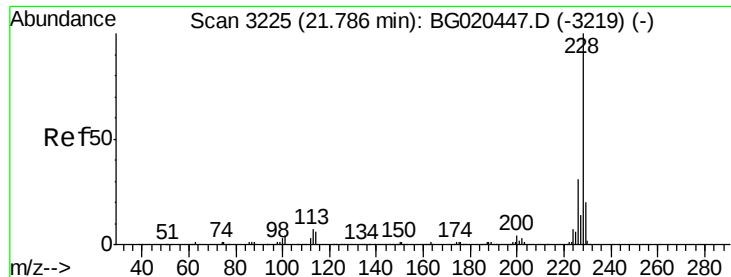
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.2	7.0	10.4
100	6.9	6.4	9.6



#83
 Benzo(a)anthracene
 Concen: 2.32 ng/ul
 RT: 21.72 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: BG020453.D
 Acq: 23 Dec 2015 21:26

Tgt Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.8	23.8
226	28.4	21.8	32.6





#85

Chrysene

Concen: 2.01 ng/ul

RT: 21.78 min Scan# 3224

Delta R.T. -0.01 min

Lab File: BG020453.D

Acq: 23 Dec 2015 21:26

Instrument :

BNA_G

ClientSampleId :

D9N60DL

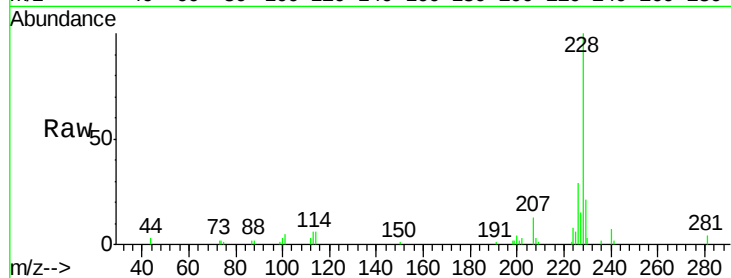
Tgt Ion:228 Resp: 22901

Ion Ratio Lower Upper

228 100

226 28.8 23.9 35.9

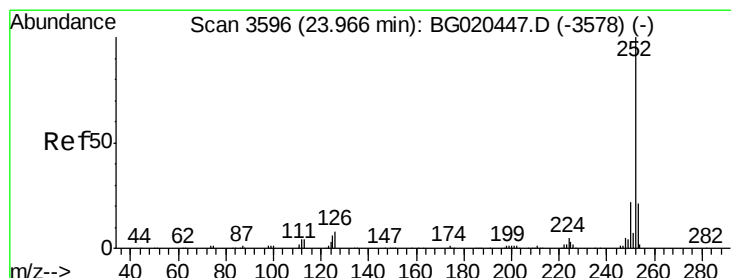
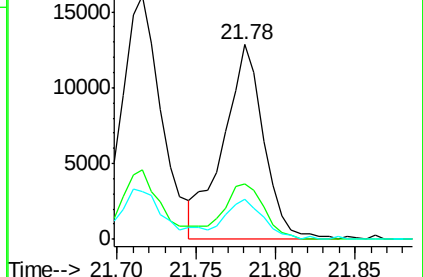
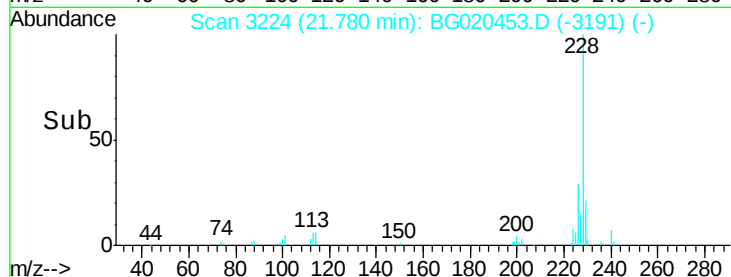
229 20.6 15.6 23.4



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: 1.04 ng/ul

RT: 23.96 min Scan# 3595

Delta R.T. -0.01 min

Lab File: BG020453.D

Acq: 23 Dec 2015 21:26

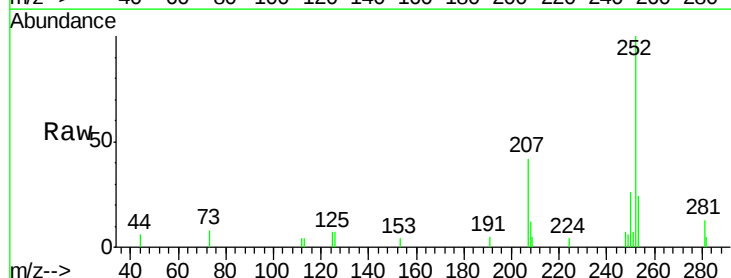
Tgt Ion:252 Resp: 12121

Ion Ratio Lower Upper

252 100

253 24.0 16.7 25.1

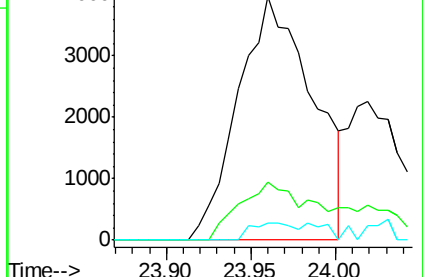
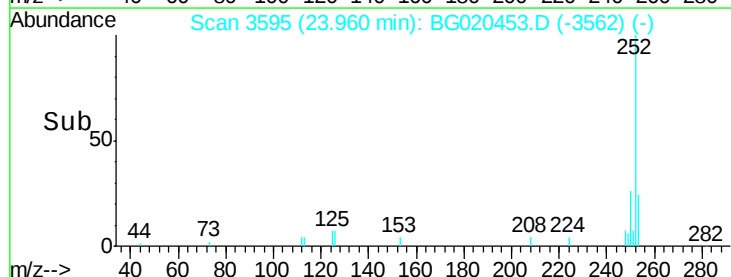
125 7.3 6.2 9.2

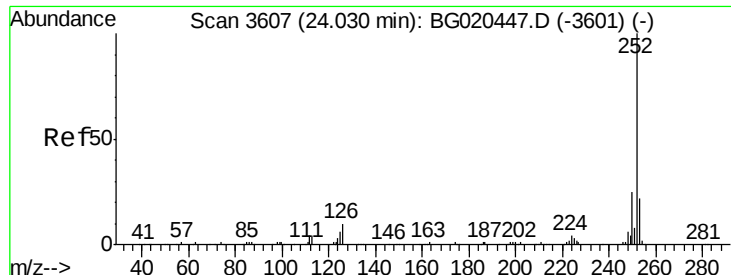


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 1.08 ng/ul

RT: 23.96 min Scan# 3595

Delta R.T. -0.07 min

Lab File: BG020453.D

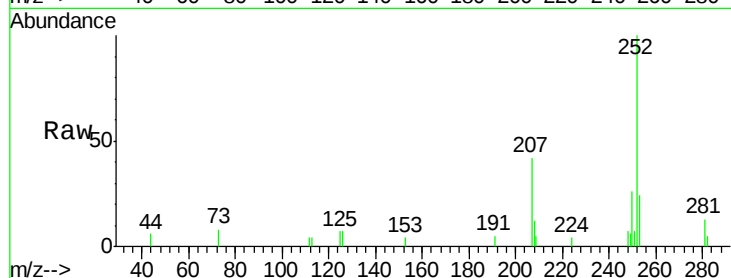
Acq: 23 Dec 2015 21:26

Instrument :

BNA_G

ClientSampleId :

D9N60DL



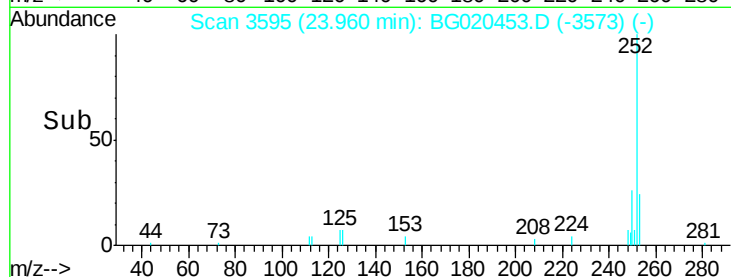
Tgt Ion: 252 Resp: 12121

Ion Ratio Lower Upper

252 100

253 24.0 17.9 26.9

125 7.3 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

