

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
 Data File : BG020457.D
 Acq On : 24 Dec 2015 00:04
 Operator : UM/SJ
 Sample : G4767-15DL 25X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N37MEDL

Quant Time: Dec 24 02:53:06 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	16008	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	64949	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	48476	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	128822	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	164938	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	150418	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	464	0.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	241	0.29	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	530	0.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	318	0.26	ng/ul	0.01
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	9.98	143	142	0.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	386	0.34	ng/ul	0.01
29) 4-Chloroaniline-d4	11.05	131	556	0.43	ng/ul	0.01
44) Dimethylphthalate-d6	14.12	166	3254	0.83	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	3650	0.80	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.70	176	3148	0.89	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.46	188	128822	21.70	ng/ul	-0.10
79) Pyrene-d10	19.84	212	5849	0.76	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	5965	0.80	ng/ul	0.00

Target Compounds

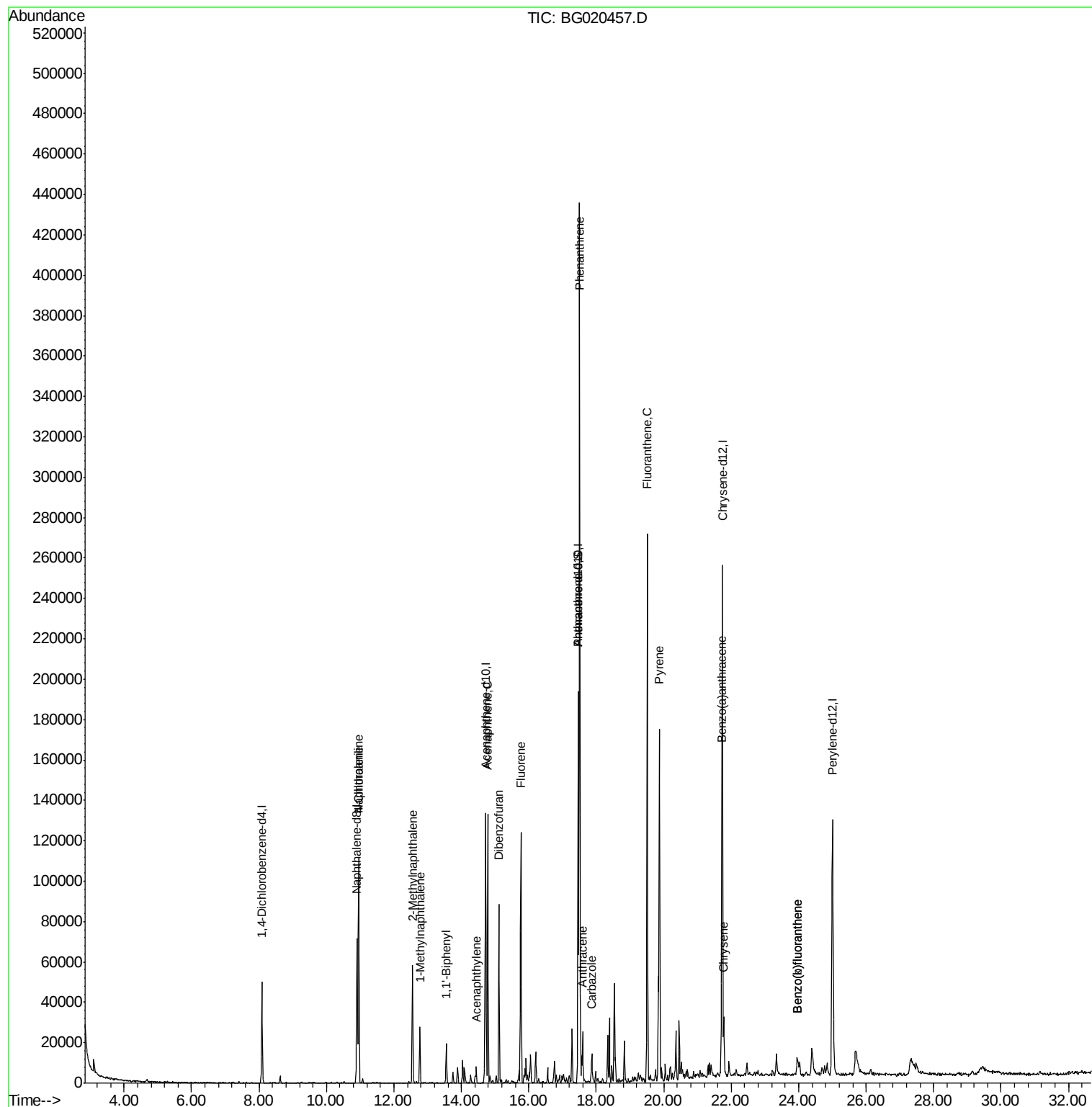
						Qvalue
28) Naphthalene	10.95	128	97301	28.69	ng/ul	100
30) 4-Chloroaniline	10.95	127	12690	9.70	ng/ul#	10
34) 2-Methylnaphthalene	12.55	142	28890	11.15	ng/ul	98
35) 1-Methylnaphthalene	12.77	142	13935	5.59	ng/ul#	93
41) 1,1'-Biphenyl	13.55	154	12306	3.36	ng/ul	93
48) Acenaphthylene	14.44	152	5029	1.04	ng/ul#	93
50) Acenaphthene	14.78	153	58074	17.81	ng/ul	100
54) Dibenzofuran	15.11	168	59793	12.33	ng/ul	100
59) Fluorene	15.76	166	56739	14.57	ng/ul	94
70) Phenanthrene	17.51	178	297268	42.19	ng/ul	98
72) Anthracene	17.59	178	19533	2.73	ng/ul	96
75) Carbazole	17.87	167	11368	1.89	ng/ul	96
77) Fluoranthene	19.51	202	182969	22.22	ng/ul	97
80) Pyrene	19.87	202	121333	12.15	ng/ul	97
83) Benzo(a)anthracene	21.71	228	28499	2.96	ng/ul	95
85) Chrysene	21.78	228	23549	2.60	ng/ul	94
88) Benzo(b)fluoranthene	23.96	252	10403	1.15	ng/ul#	97
89) Benzo(k)fluoranthene	23.96	252	10403	1.20	ng/ul	99

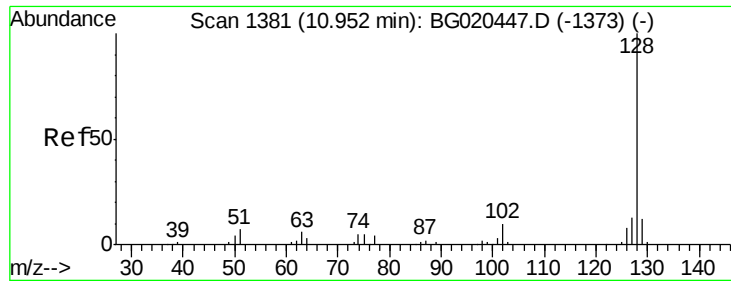
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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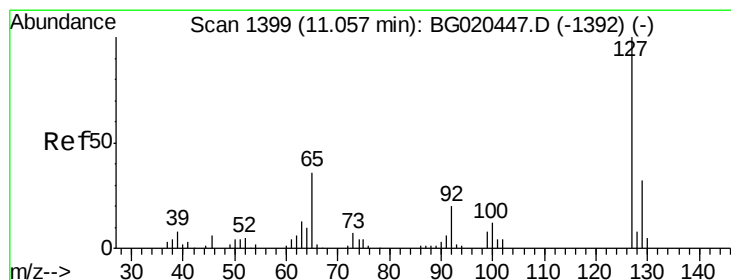
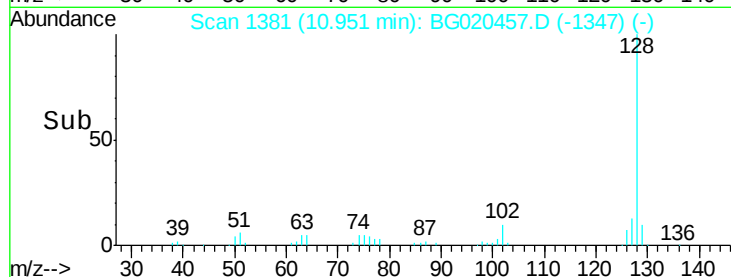
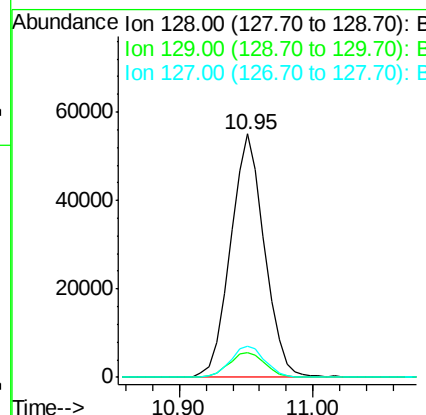
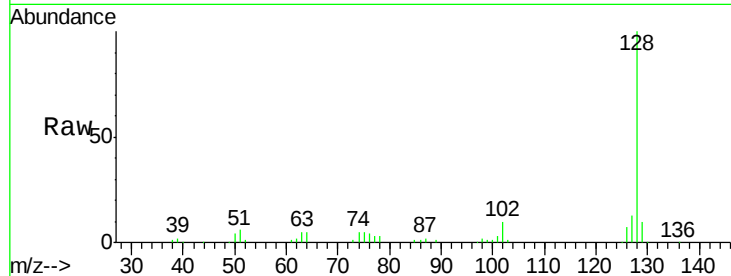




#28
Naphthalene
Concen: 28.69 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. -0.00 min
Lab File: BG020457.D
Acq: 24 Dec 2015 00:04

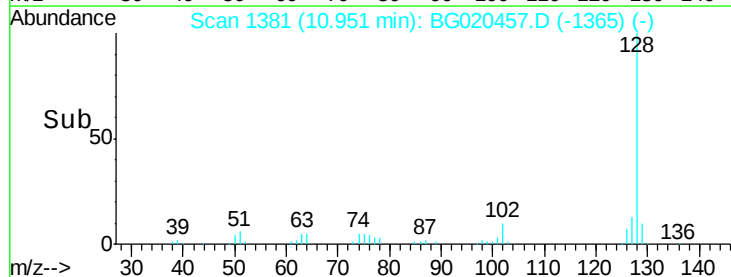
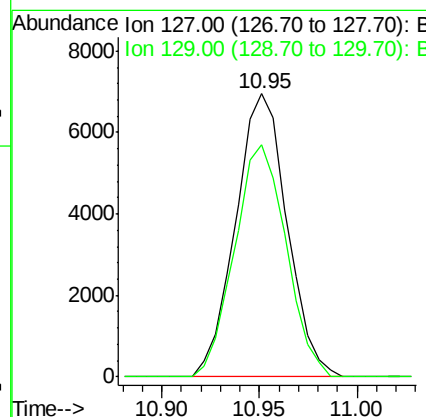
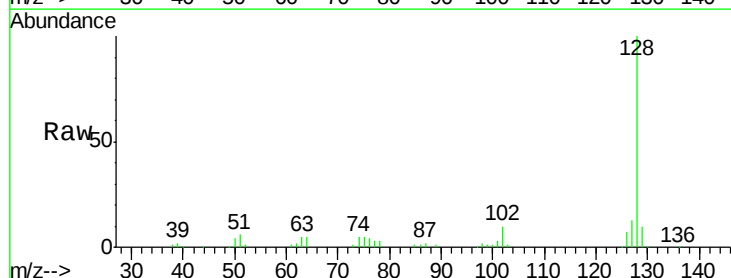
Instrument :
BNA_G
ClientSampleId :
D9N37MEDL

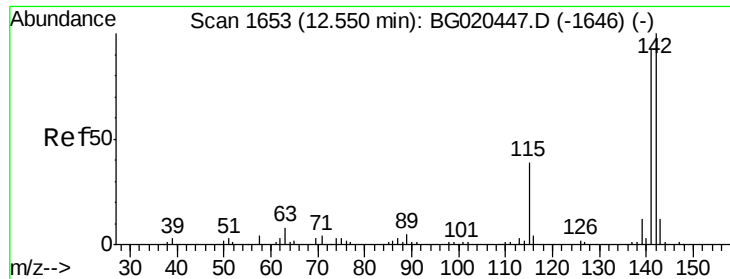
Tgt Ion:128 Resp: 97301
Ion Ratio Lower Upper
128 100
129 10.4 8.6 12.8
127 12.6 10.1 15.1



#30
4-Chloroaniline
Concen: 9.70 ng/ul
RT: 10.95 min Scan# 1381
Delta R.T. -0.11 min
Lab File: BG020457.D
Acq: 24 Dec 2015 00:04

Tgt Ion:127 Resp: 12690
Ion Ratio Lower Upper
127 100
129 82.1 25.7 38.5#

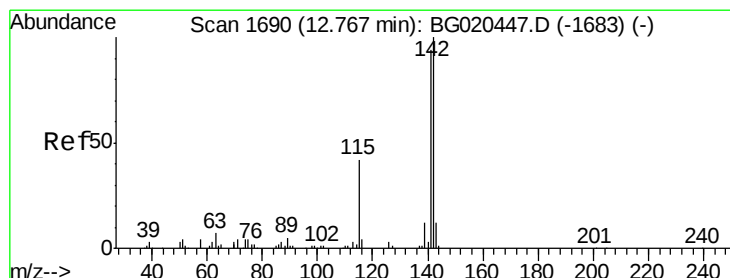
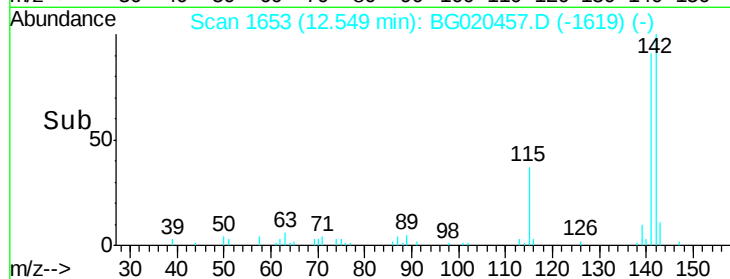
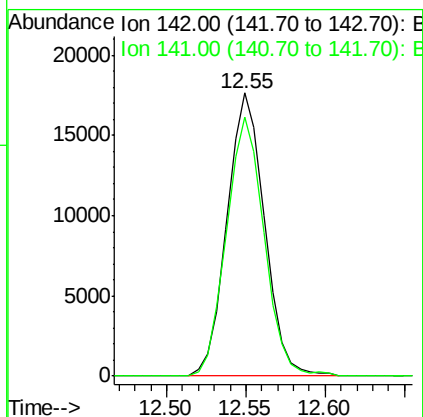
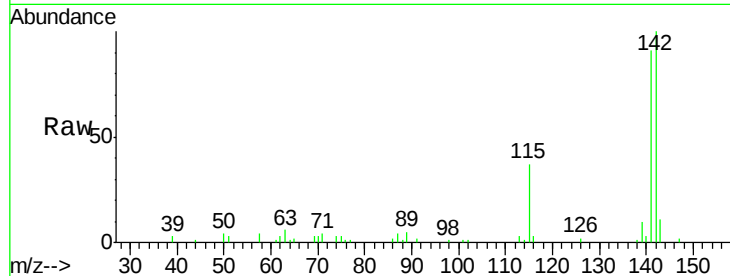




#34
 2-Methylnaphthalene
 Concen: 11.15 ng/ul
 RT: 12.55 min Scan# 1653
 Delta R.T. -0.00 min
 Lab File: BG020457.D
 Acq: 24 Dec 2015 00:04

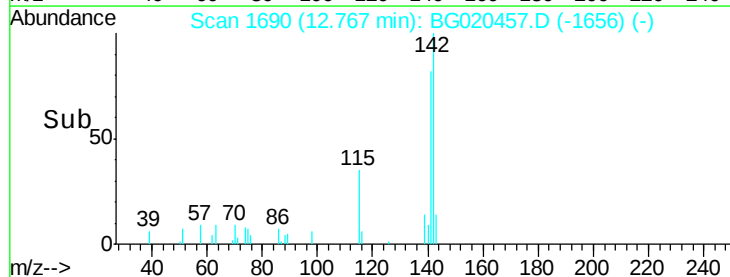
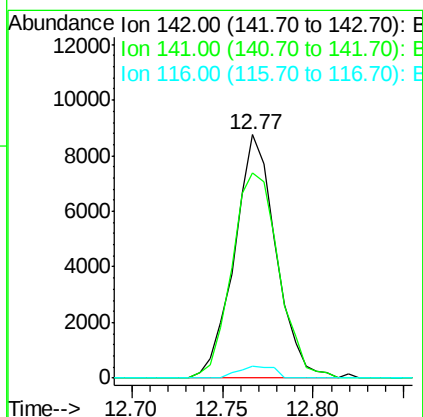
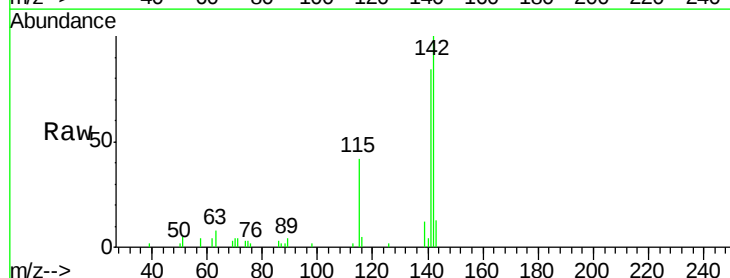
Instrument :
 BNA_G
 ClientSampleId :
 D9N37MEDL

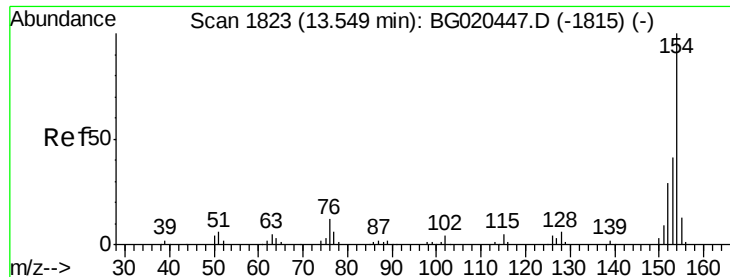
Tgt Ion:142 Resp: 28890
 Ion Ratio Lower Upper
 142 100
 141 91.4 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 5.59 ng/ul
 RT: 12.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: BG020457.D
 Acq: 24 Dec 2015 00:04

Tgt Ion:142 Resp: 13935
 Ion Ratio Lower Upper
 142 100
 141 84.3 73.0 109.6
 116 4.8 3.0 4.6#

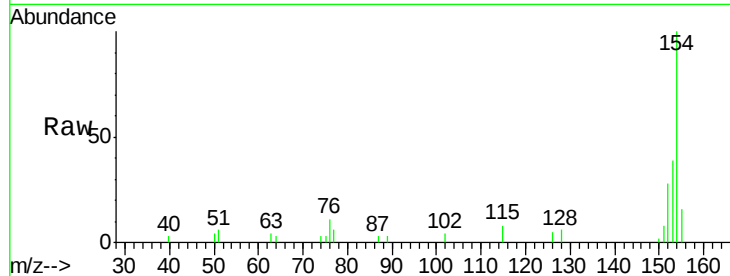




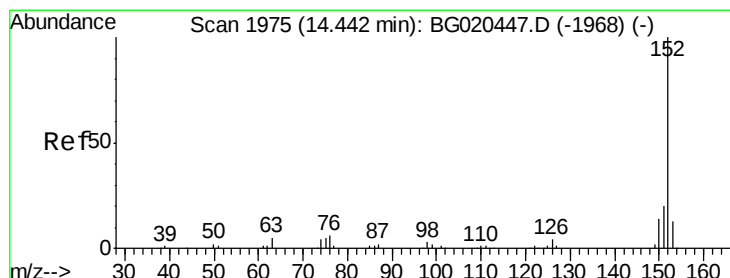
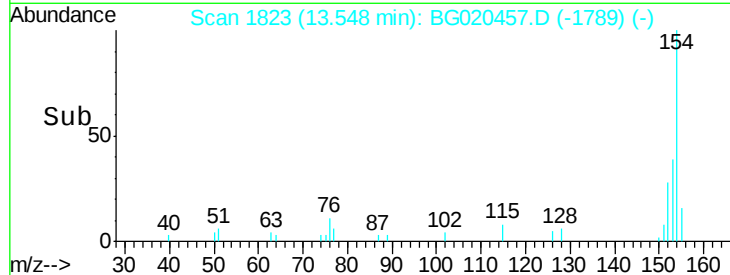
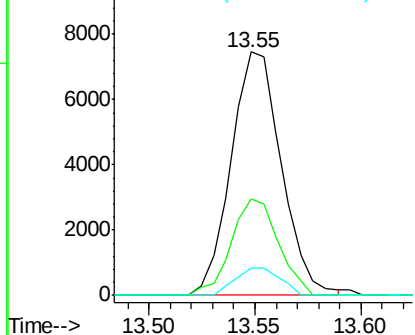
#41
 1,1'-Biphenyl
 Concen: 3.36 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BG020457.D
 Acq: 24 Dec 2015 00:04

Instrument :
 BNA_G
 ClientSampleId :
 D9N37MEDL

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.4	35.5	53.3
76	11.4	10.4	15.6

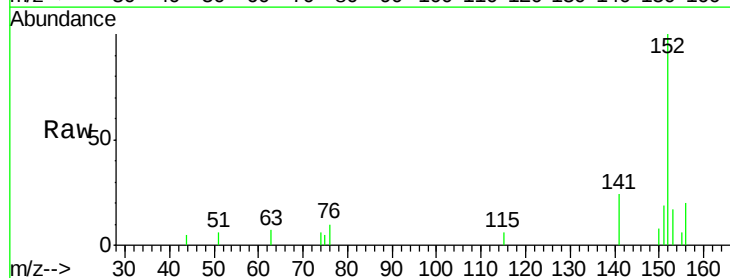


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BGC

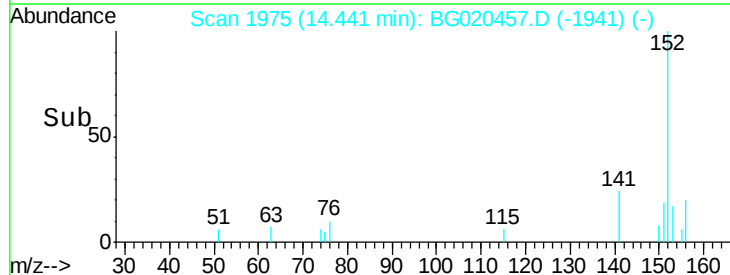
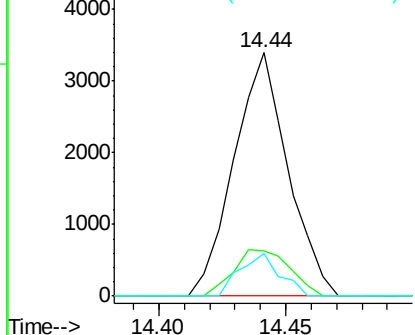


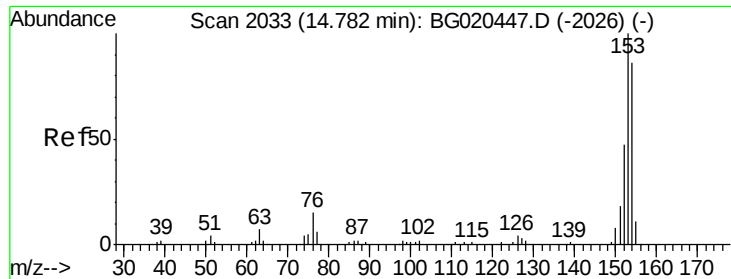
#48
 Acenaphthylene
 Concen: 1.04 ng/ul
 RT: 14.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: BG020457.D
 Acq: 24 Dec 2015 00:04

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.5	16.4	24.6
153	17.5	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: 17.81 ng/ul

RT: 14.78 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BG020457.D

Acq: 24 Dec 2015 00:04

Instrument :

BNA_G

ClientSampleId :

D9N37MEDL

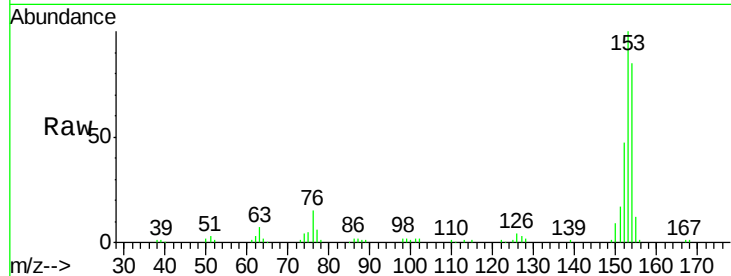
Tgt Ion:153 Resp: 58074

Ion Ratio Lower Upper

153 100

152 47.4 37.6 56.4

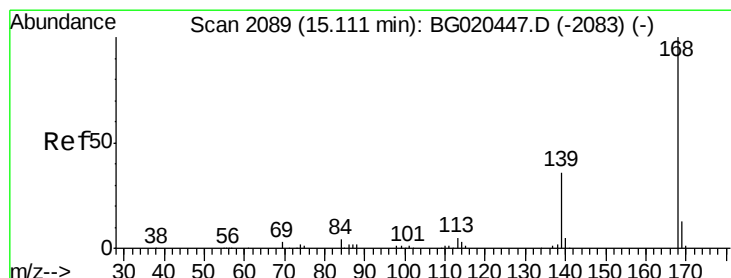
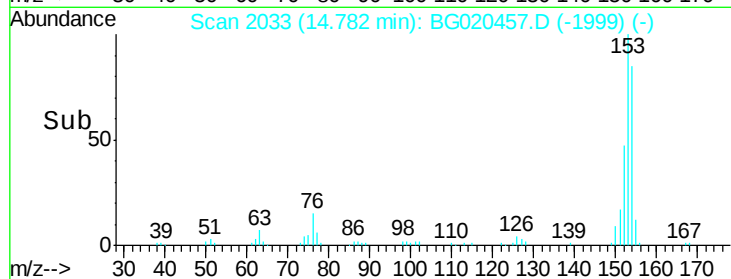
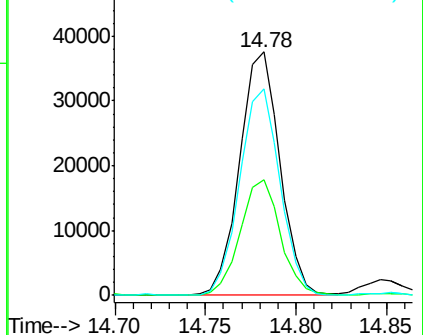
154 84.7 67.9 101.9



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: 12.33 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. -0.00 min

Lab File: BG020457.D

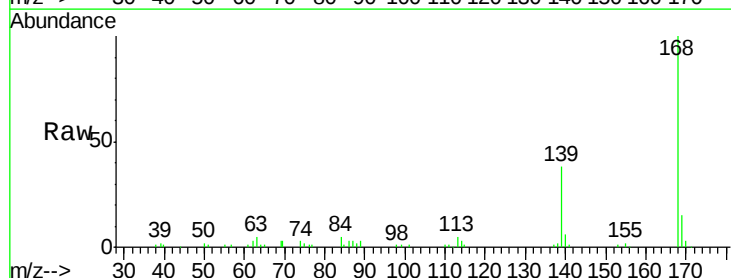
Acq: 24 Dec 2015 00:04

Tgt Ion:168 Resp: 59793

Ion Ratio Lower Upper

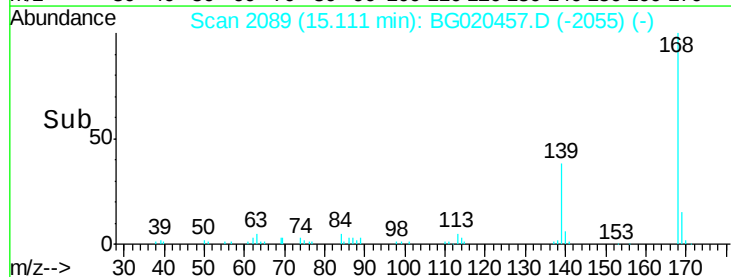
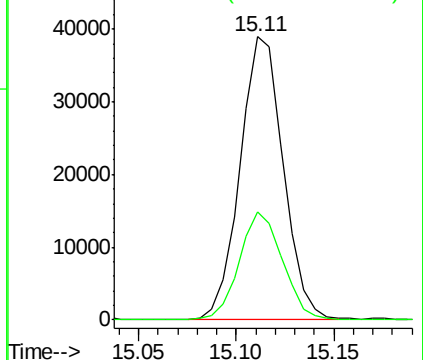
168 100

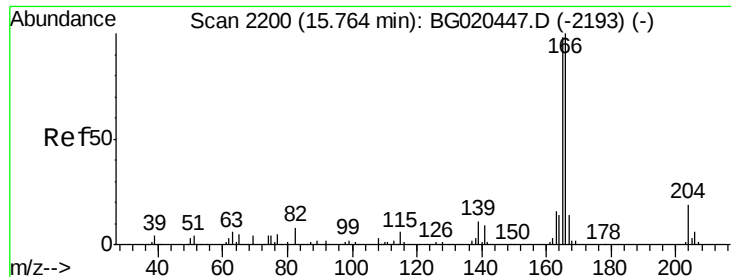
139 38.0 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 14.57 ng/ul

RT: 15.76 min Scan# 2200

Delta R.T. -0.00 min

Lab File: BG020457.D

Acq: 24 Dec 2015 00:04

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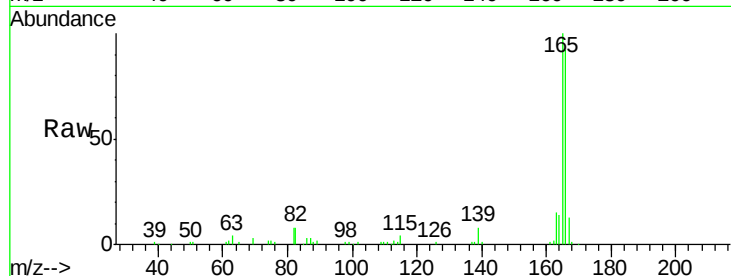
Tgt Ion:166 Resp: 56739

Ion Ratio Lower Upper

166 100

165 108.3 81.4 122.0

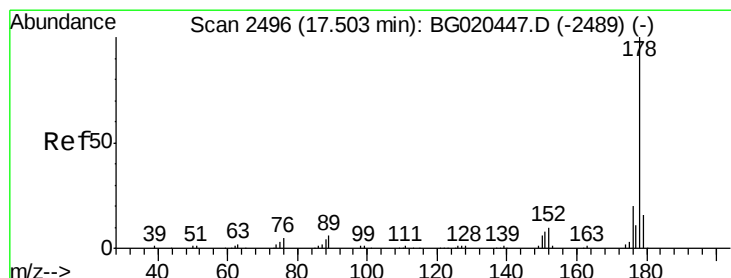
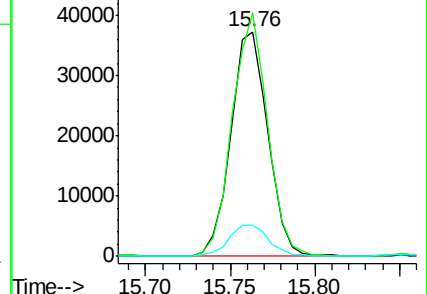
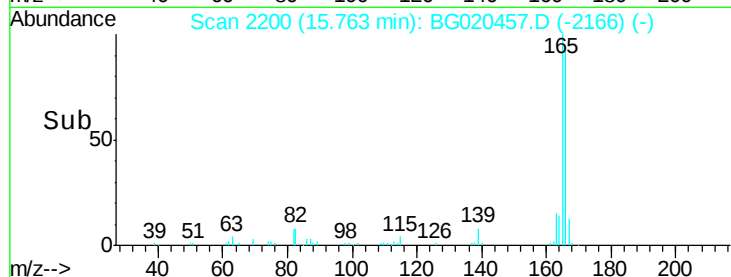
167 14.1 11.2 16.8



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: 42.19 ng/ul

RT: 17.51 min Scan# 2497

Delta R.T. 0.01 min

Lab File: BG020457.D

Acq: 24 Dec 2015 00:04

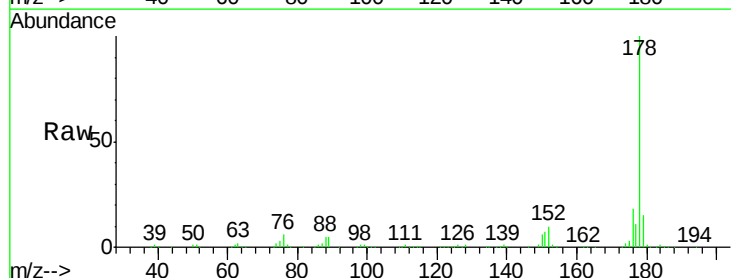
Tgt Ion:178 Resp: 297268

Ion Ratio Lower Upper

178 100

179 15.5 12.9 19.3

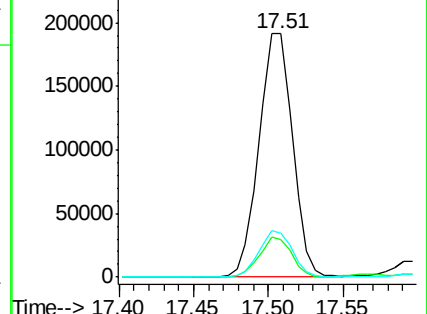
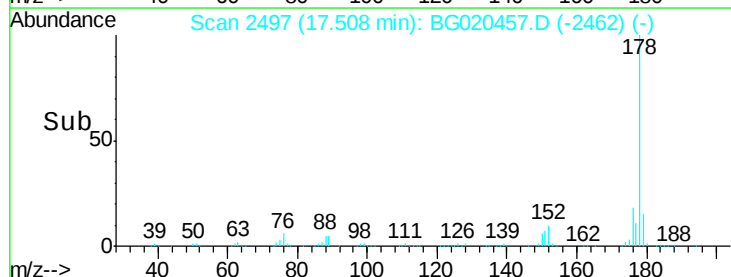
176 18.3 15.3 22.9

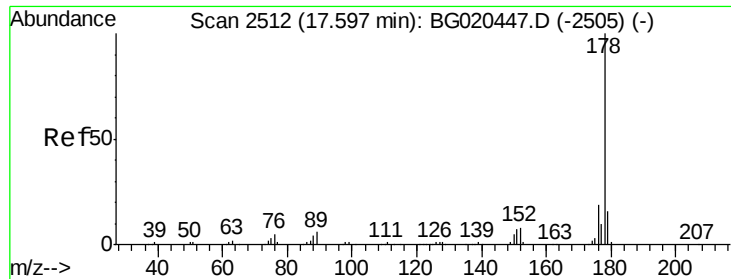


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Anthracene

Concen: 2.73 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BG020457.D

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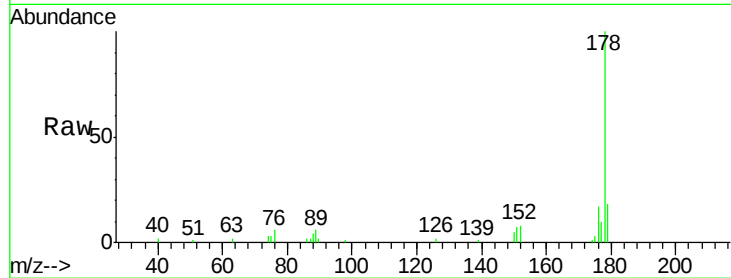
Tgt Ion:178 Resp: 19533

Ion Ratio Lower Upper

178 100

179 17.8 12.3 18.5

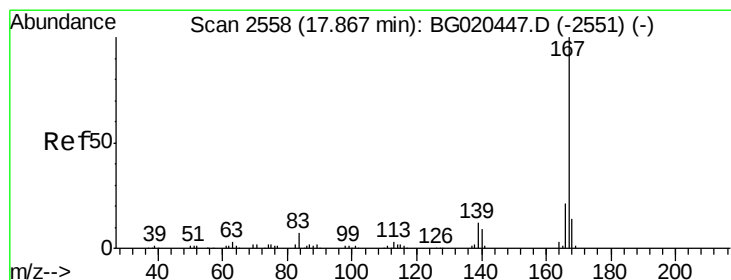
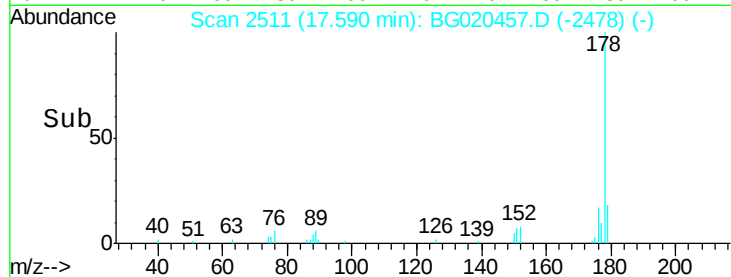
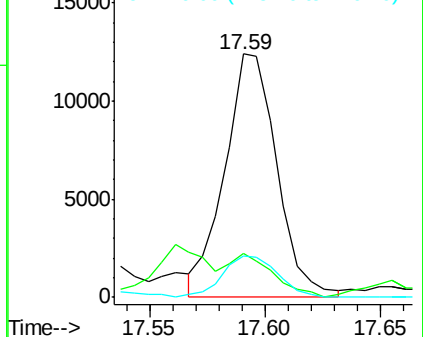
176 17.2 14.3 21.5



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: 1.89 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. -0.00 min

Lab File: BG020457.D

Acq: 24 Dec 2015 00:04

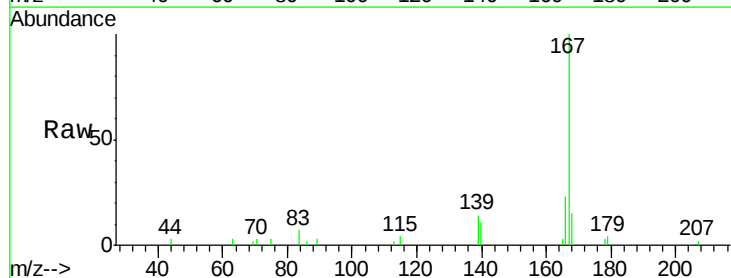
Tgt Ion:167 Resp: 11368

Ion Ratio Lower Upper

167 100

166 23.0 17.0 25.6

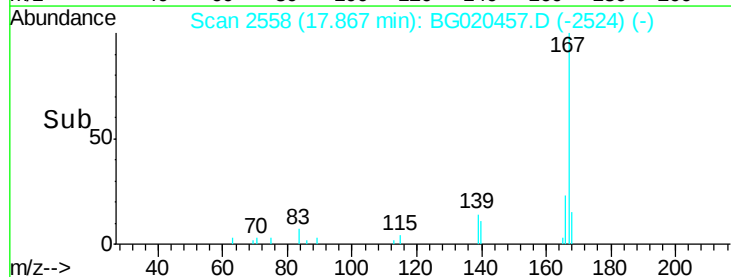
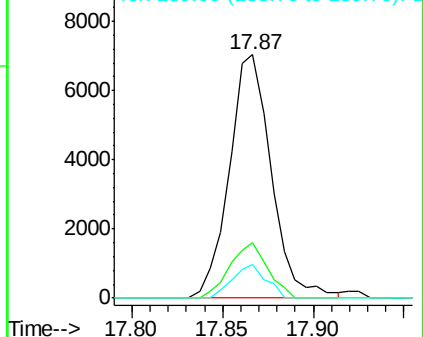
139 14.0 10.1 15.1

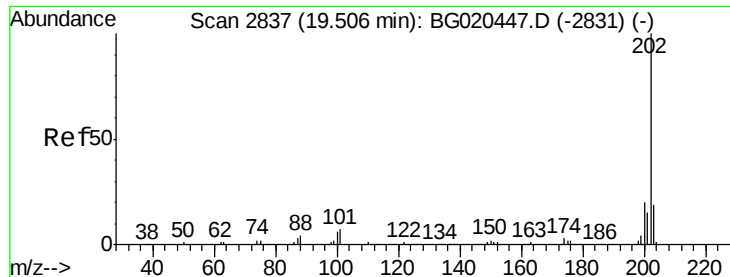


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

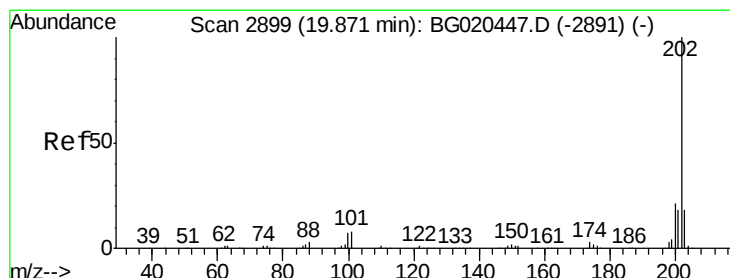
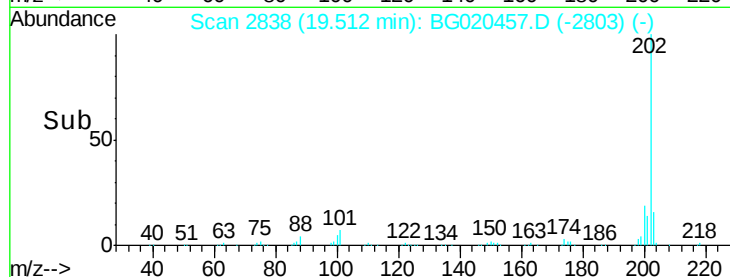
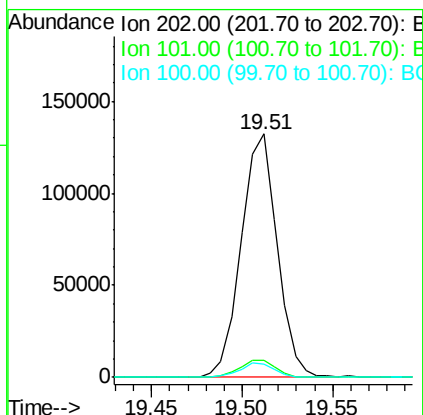
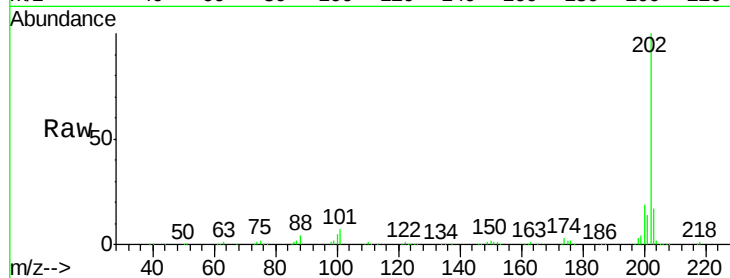




#77
Fluoranthene
 Concen: 22.22 ng/ul
 RT: 19.51 min Scan# 2838
 Delta R.T. 0.01 min
 Lab File: BG020457.D
 Acq: 24 Dec 2015 00:04

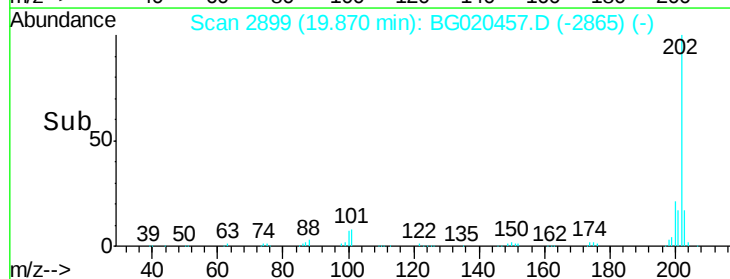
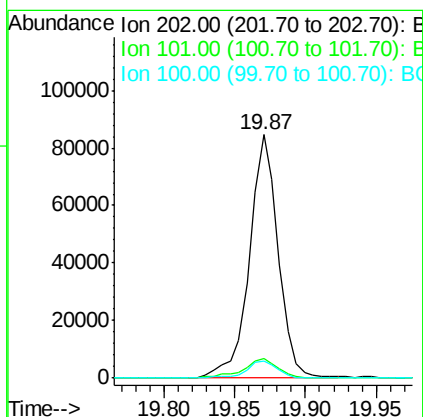
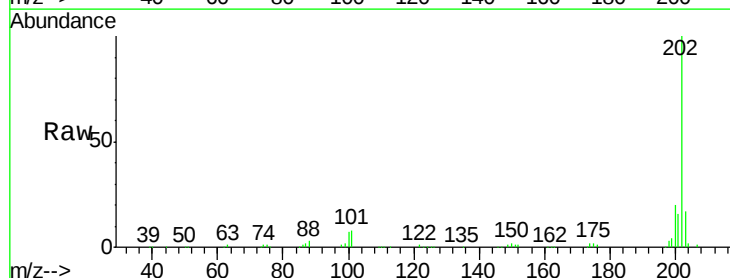
Instrument :
 BNA_G
 ClientSampleId :
 D9N37MEDL

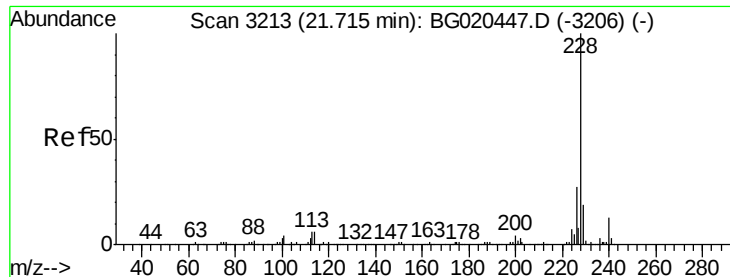
Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.9	6.2	9.4
100	5.2	5.1	7.7



#80
Pyrene
 Concen: 12.15 ng/ul
 RT: 19.87 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: BG020457.D
 Acq: 24 Dec 2015 00:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	7.0	10.4
100	6.8	6.4	9.6

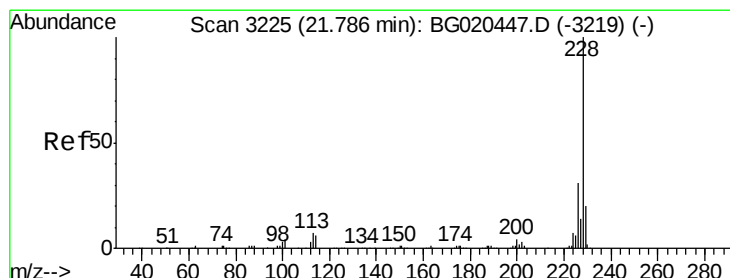
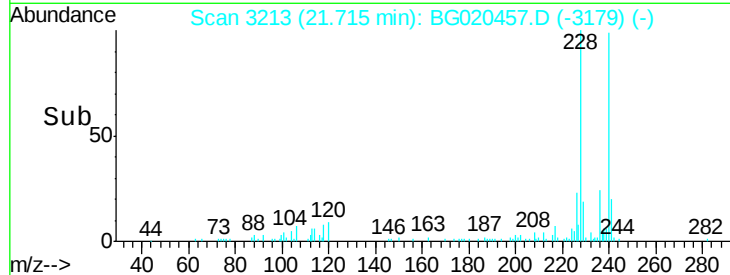
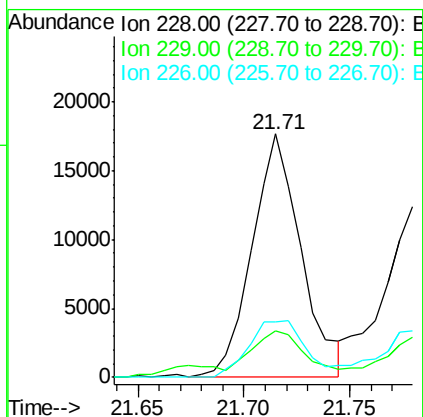
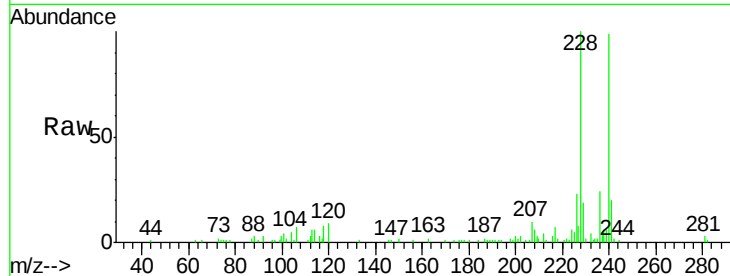




#83
Benzo(a)anthracene
Concen: 2.96 ng/ul
RT: 21.71 min Scan# 3213
Delta R.T. -0.00 min
Lab File: BG020457.D
Acq: 24 Dec 2015 00:04

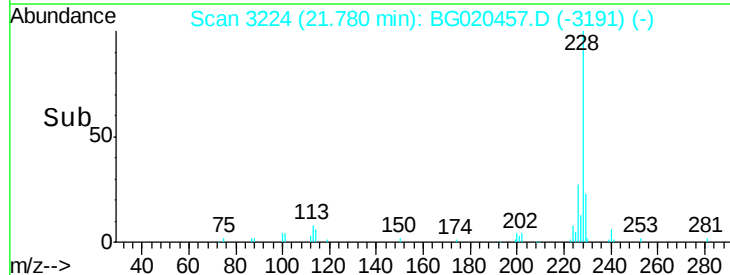
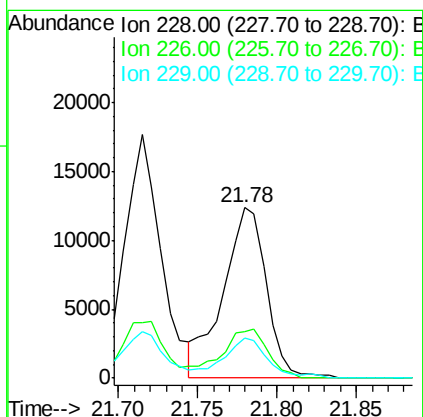
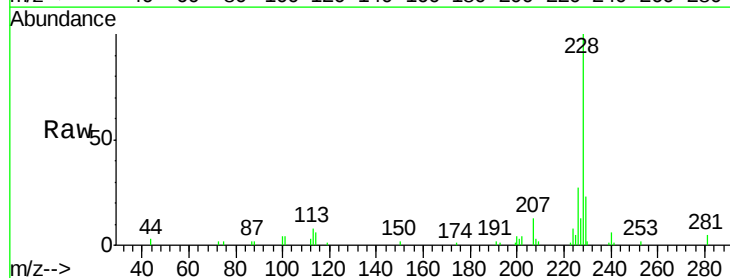
Instrument :
BNA_G
ClientSampleId :
D9N37MEDL

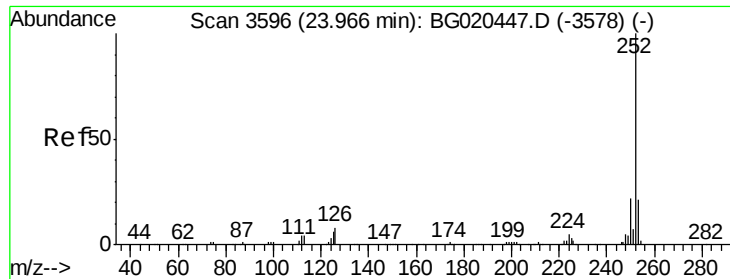
Tgt Ion:228 Resp: 28499
Ion Ratio Lower Upper
228 100
229 19.0 15.8 23.8
226 23.0 21.8 32.6



#85
Chrysene
Concen: 2.60 ng/ul
RT: 21.78 min Scan# 3224
Delta R.T. -0.01 min
Lab File: BG020457.D
Acq: 24 Dec 2015 00:04

Tgt Ion:228 Resp: 23549
Ion Ratio Lower Upper
228 100
226 27.1 23.9 35.9
229 23.2 15.6 23.4





#88

Benzo(b)fluoranthene

Concen: 1.15 ng/u1

RT: 23.96 min Scan# 3595

Delta R.T. -0.01 min

Lab File: BG020457.D

Acq: 24 Dec 2015 00:04

Instrument :

BNA_G

ClientSampleId :

D9N37MEDL

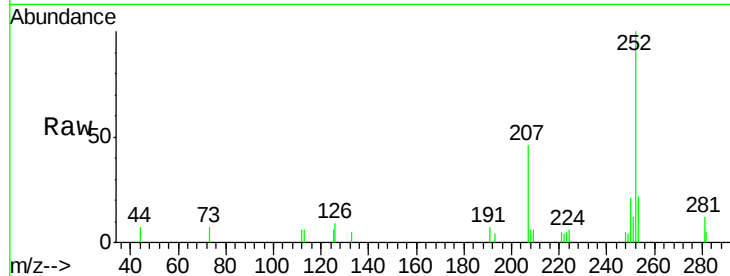
Tgt Ion:252 Resp: 10403

Ion Ratio Lower Upper

252 100

253 22.3 16.7 25.1

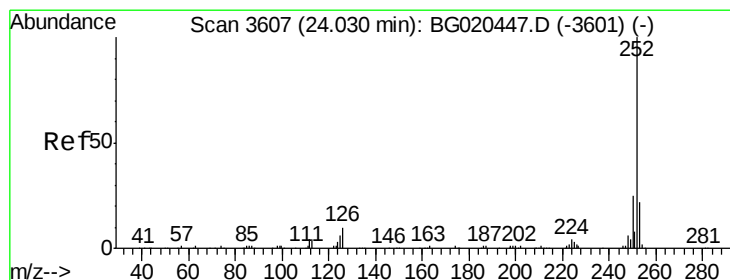
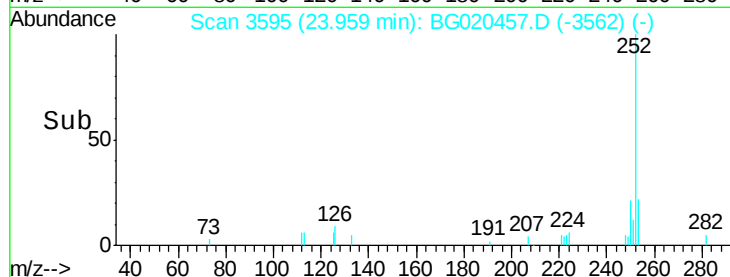
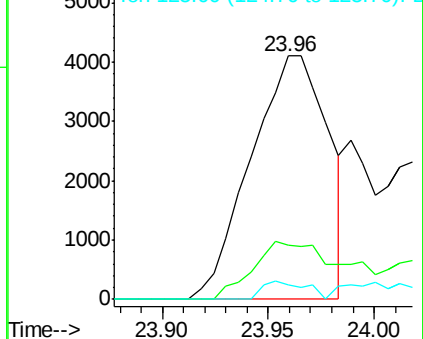
125 6.1 6.2 9.2#



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: 1.20 ng/u1

RT: 23.96 min Scan# 3595

Delta R.T. -0.07 min

Lab File: BG020457.D

Acq: 24 Dec 2015 00:04

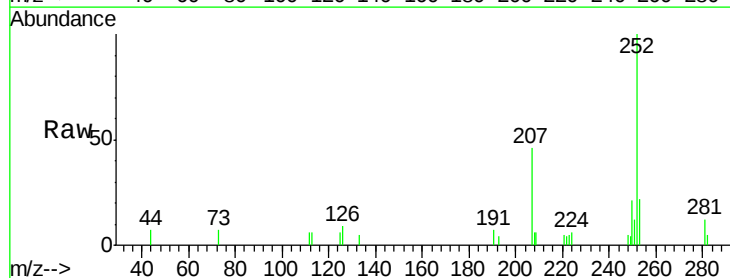
Tgt Ion:252 Resp: 10403

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

125 6.1 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

