

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
 Data File : BG020463.D
 Acq On : 24 Dec 2015 4:00
 Operator : UM/SJ
 Sample : G4848-08DL 20X
 Misc :
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N54MEDL

Quant Time: Dec 24 06:31:55 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	17124	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	73218	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	53994	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.46	188	130293	20.00	ng/ul	0.00
78) Chrysene-d12	21.73	240	163910	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	149208	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	871	0.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.40	67	629	0.70	ng/ul	0.00
9) 2-Chlorophenol-d4	7.61	132	492	0.45	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	491	0.38	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	285	0.50	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	70	0.11	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.52	165	697	0.54	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	739	0.51	ng/ul	0.01
44) Dimethylphthalate-d6	14.11	166	4623	1.06	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	5254	1.03	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.70	176	4117	1.04	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.56	188	7071	1.18	ng/ul	0.00
79) Pyrene-d10	19.84	212	7897	1.03	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.77	264	3959	0.53	ng/ul	-0.01

Target Compounds

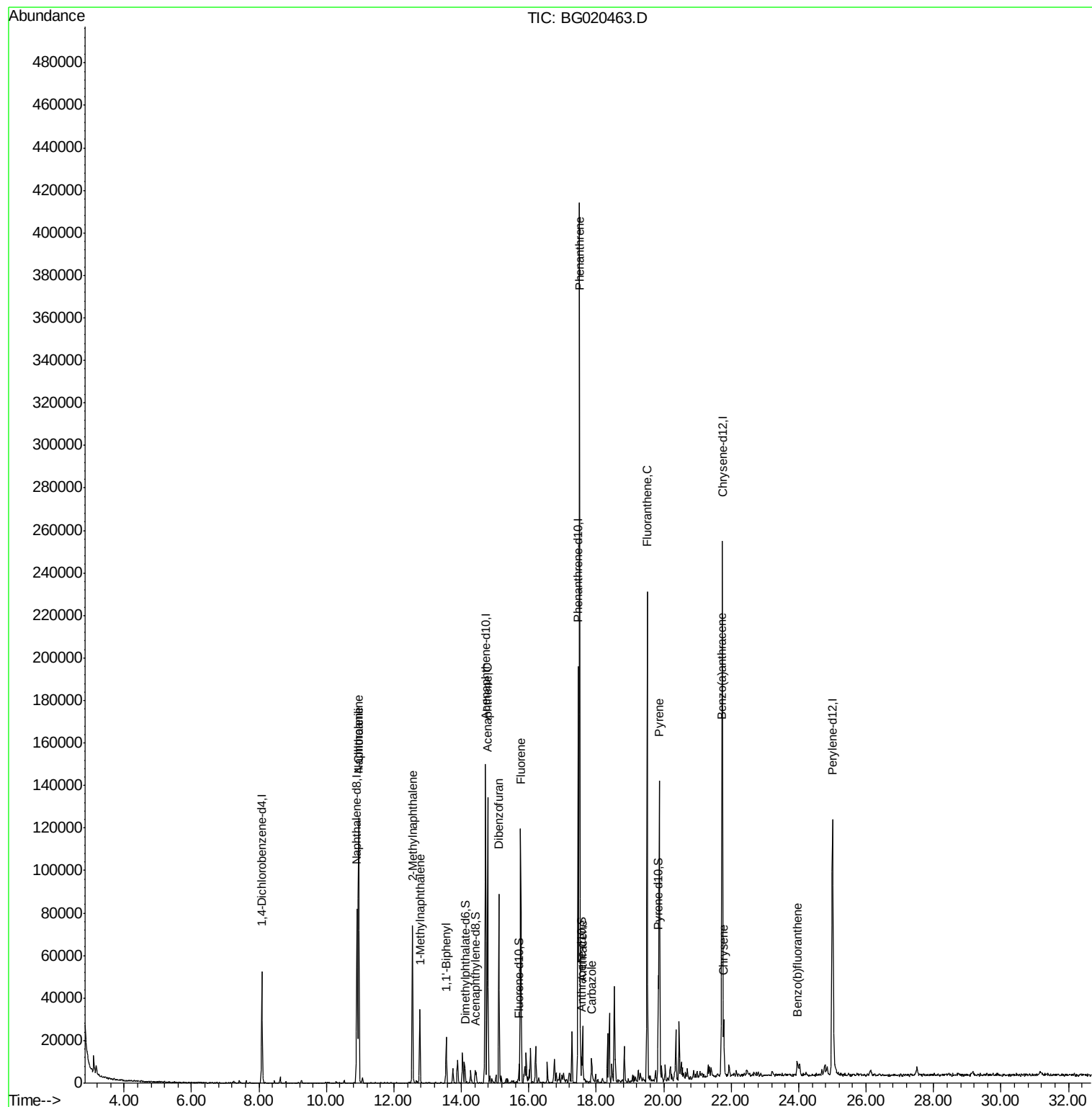
						Qvalue
28) Naphthalene	10.95	128	113246	29.62	ng/ul	99
30) 4-Chloroaniline	10.95	127	14987	10.16	ng/ul#	4
34) 2-Methylnaphthalene	12.55	142	36635	12.54	ng/ul	96
35) 1-Methylnaphthalene	12.77	142	17658	6.29	ng/ul#	99
41) 1,1'-Biphenyl	13.55	154	12643	3.10	ng/ul	96
50) Acenaphthene	14.78	153	58265	16.04	ng/ul	97
54) Dibenzofuran	15.11	168	59687	11.05	ng/ul	98
59) Fluorene	15.76	166	57509	13.25	ng/ul	95
70) Phenanthrene	17.50	178	261903	36.75	ng/ul	100
72) Anthracene	17.59	178	20434	2.83	ng/ul	98
75) Carbazole	17.87	167	9414	1.55	ng/ul	98
77) Fluoranthene	19.51	202	155897	18.72	ng/ul	98
80) Pyrene	19.87	202	100449	10.13	ng/ul	98
83) Benzo(a)anthracene	21.72	228	24951	2.61	ng/ul	97
85) Chrysene	21.78	228	20987	2.33	ng/ul	96
88) Benzo(b)fluoranthene	23.97	252	11411	1.27	ng/ul#	92

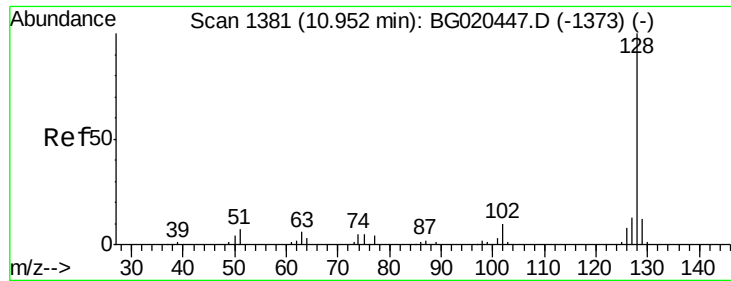
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration





#28

Naphthalene

Concen: 29.62 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. 0.00 min

Lab File: BG020463.D

Acq: 24 Dec 2015 4:00

Instrument :

BNA_G

ClientSampleId :

D9N54MEDL

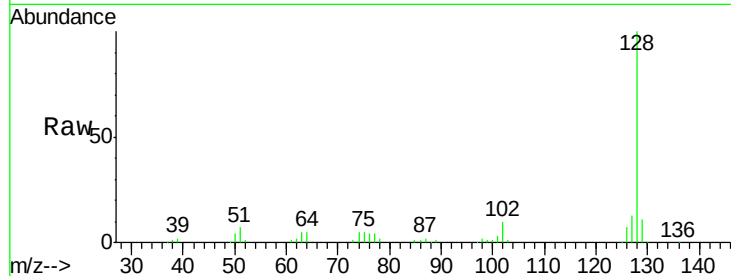
Tgt Ion:128 Resp: 113246

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

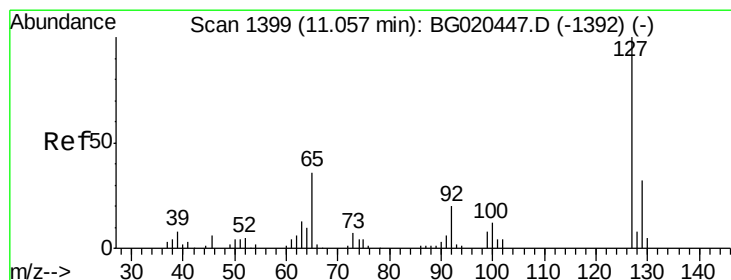
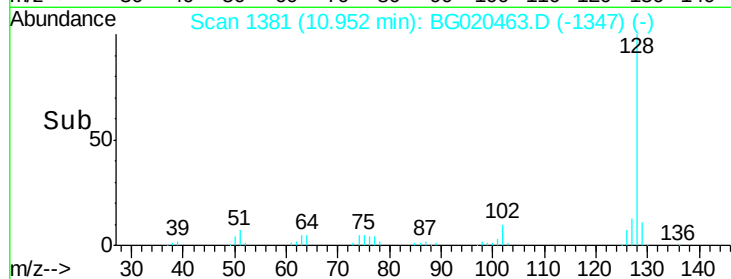
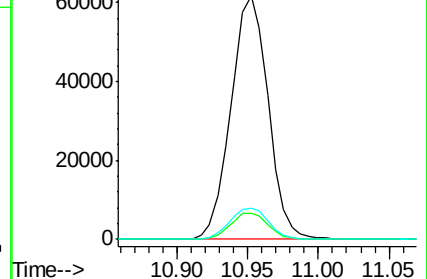
127 12.8 10.1 15.1



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: 10.16 ng/ul

RT: 10.95 min Scan# 1381

Delta R.T. -0.11 min

Lab File: BG020463.D

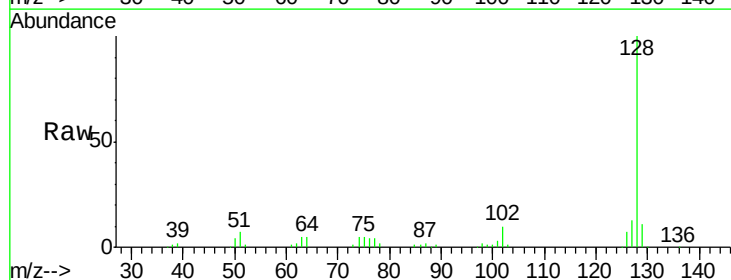
Acq: 24 Dec 2015 4:00

Tgt Ion:127 Resp: 14987

Ion Ratio Lower Upper

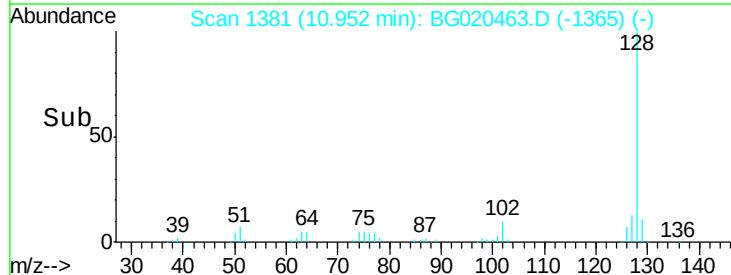
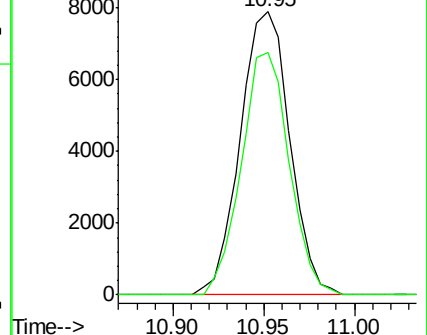
127 100

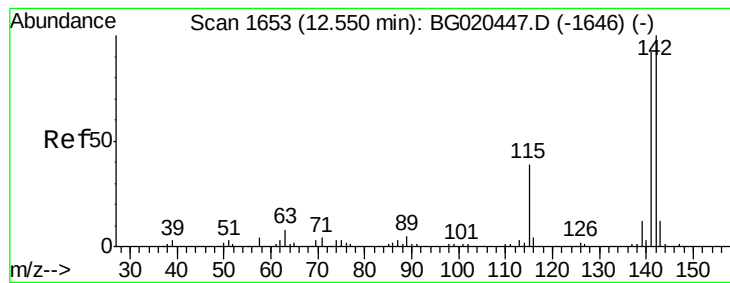
129 85.5 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#34

2-Methylnaphthalene

Concen: 12.54 ng/ul

RT: 12.55 min Scan# 1653

Delta R.T. 0.00 min

Lab File: BG020463.D

Acq: 24 Dec 2015 4:00

Instrument :

BNA_G

ClientSampleId :

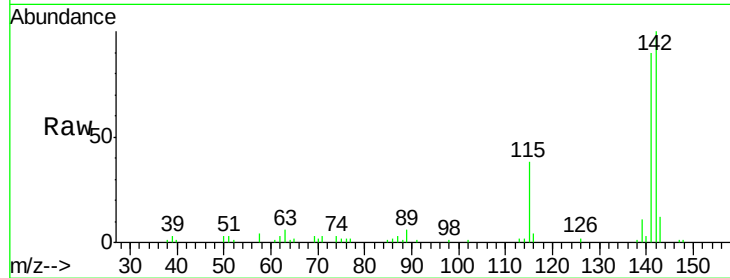
D9N54MEDL

Tgt Ion:142 Resp: 36635

Ion Ratio Lower Upper

142 100

141 89.8 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.55

25000

20000

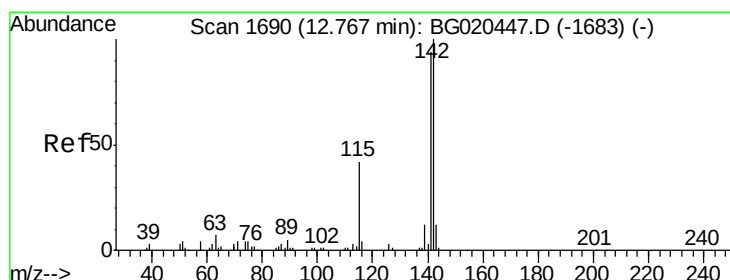
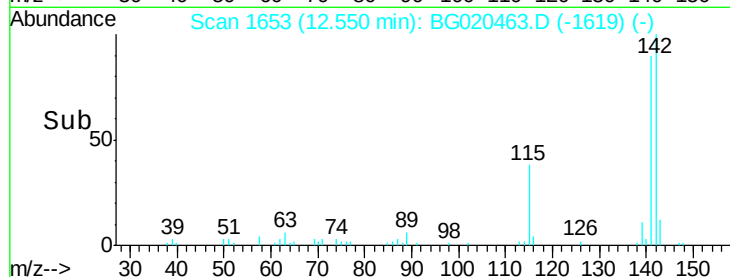
15000

10000

5000

0

Time-->



#35

1-Methylnaphthalene

Concen: 6.29 ng/ul

RT: 12.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: BG020463.D

Acq: 24 Dec 2015 4:00

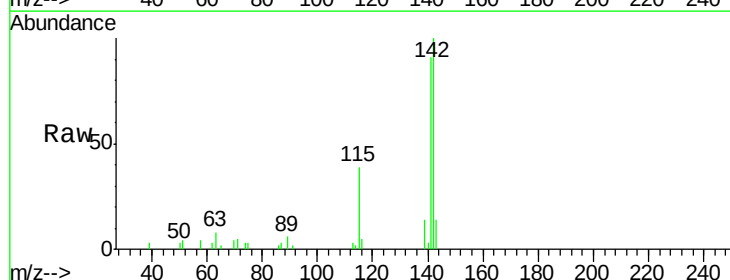
Tgt Ion:142 Resp: 17658

Ion Ratio Lower Upper

142 100

141 90.7 73.0 109.6

116 4.6 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

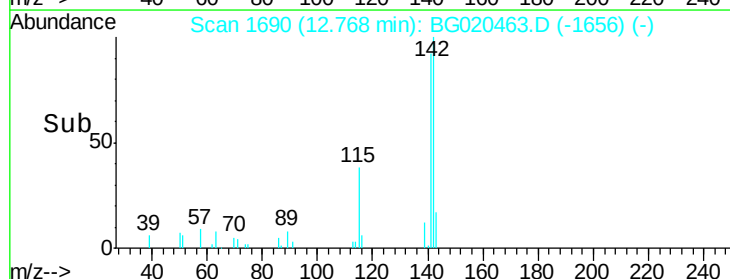
12.77

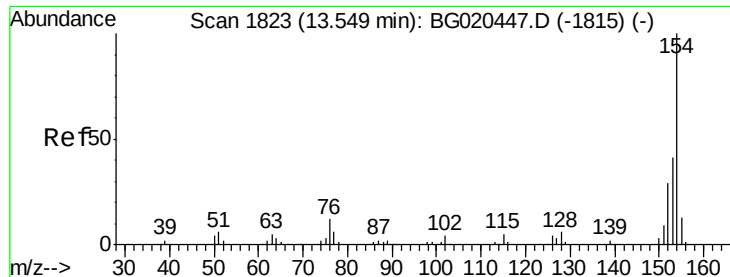
10000

5000

0

Time-->

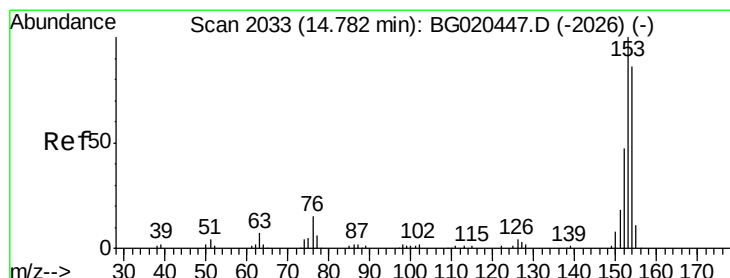
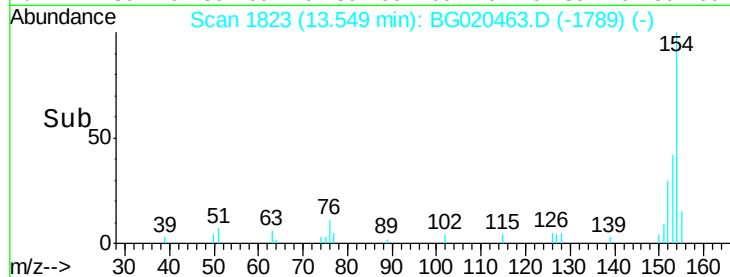
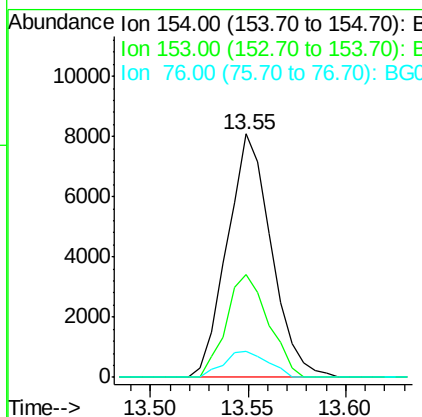
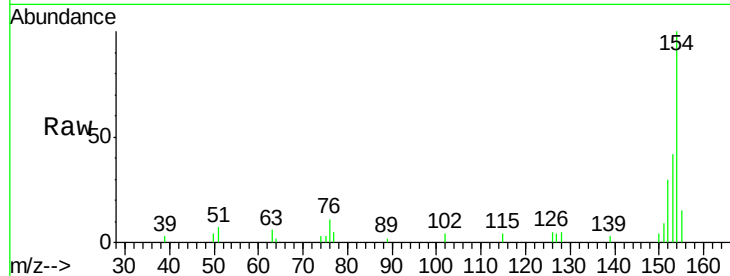




#41
 1,1'-Biphenyl
 Concen: 3.10 ng/ul
 RT: 13.55 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: BG020463.D
 Acq: 24 Dec 2015 4:00

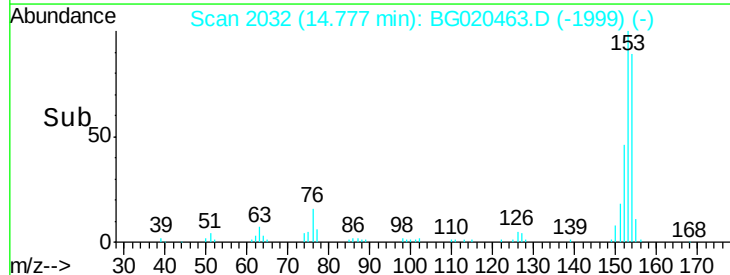
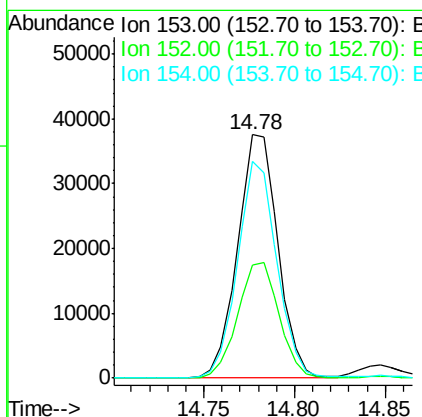
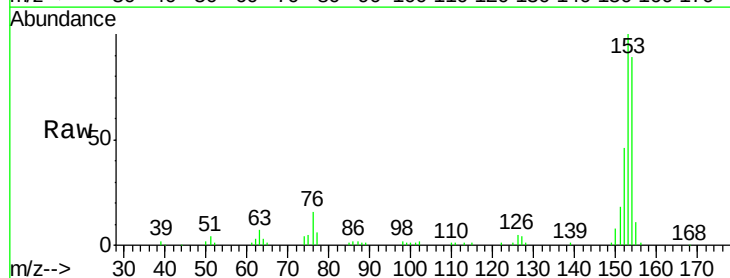
Instrument :
 BNA_G
 ClientSampleId :
 D9N54MEDL

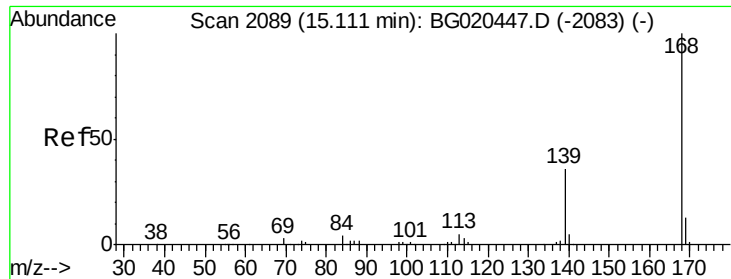
Tgt Ion:154 Resp: 12643
 Ion Ratio Lower Upper
 154 100
 153 42.3 35.5 53.3
 76 10.8 10.4 15.6



#50
 Acenaphthene
 Concen: 16.04 ng/ul
 RT: 14.78 min Scan# 2032
 Delta R.T. -0.01 min
 Lab File: BG020463.D
 Acq: 24 Dec 2015 4:00

Tgt Ion:153 Resp: 58265
 Ion Ratio Lower Upper
 153 100
 152 46.4 37.6 56.4
 154 89.2 67.9 101.9





#54

Dibenzenofuran

Concen: 11.05 ng/ul

RT: 15.11 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BG020463.D

Acq: 24 Dec 2015 4:00

Instrument :

BNA_G

ClientSampleId :

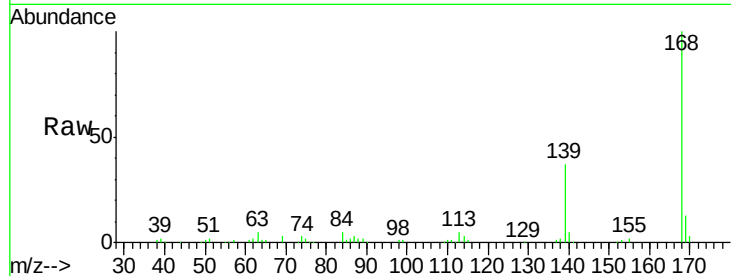
D9N54MEDL

Tgt Ion:168 Resp: 59687

Ion Ratio Lower Upper

168 100

139 37.0 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

40000

30000

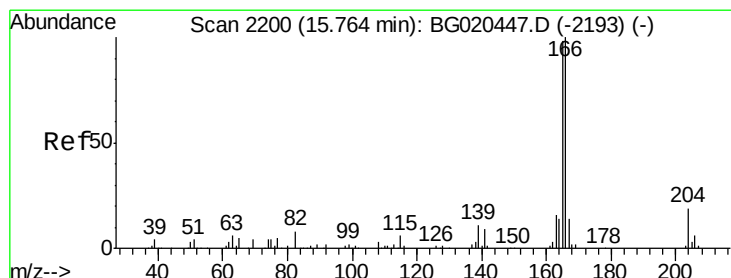
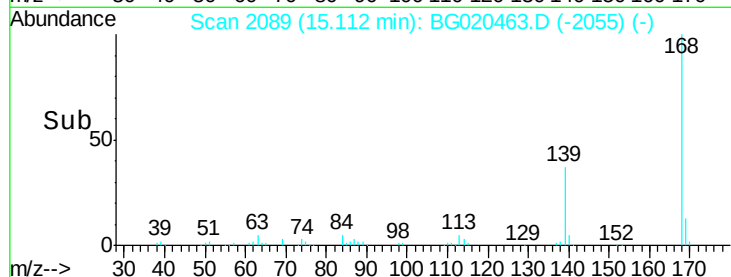
20000

10000

0

Time-->

15.05 15.10 15.15 15.20



#59

Fluorene

Concen: 13.25 ng/ul

RT: 15.76 min Scan# 2200

Delta R.T. 0.00 min

Lab File: BG020463.D

Acq: 24 Dec 2015 4:00

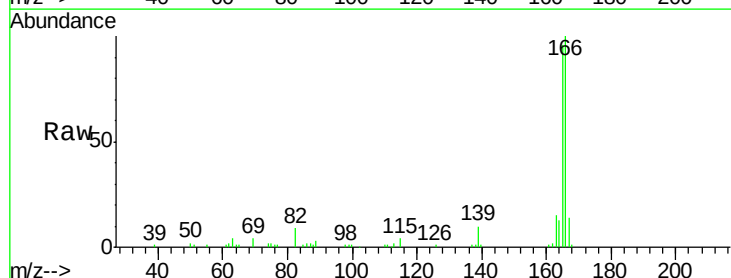
Tgt Ion:166 Resp: 57509

Ion Ratio Lower Upper

166 100

165 96.3 81.4 122.0

167 14.3 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

50000

40000

30000

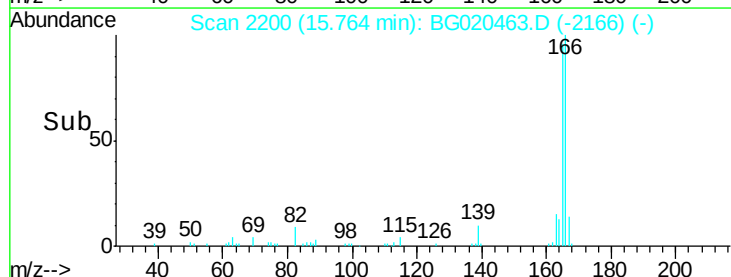
20000

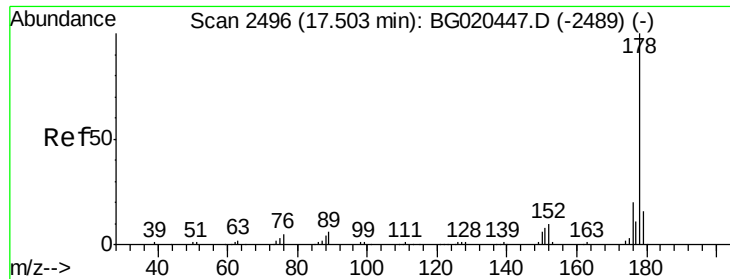
10000

0

Time-->

15.70 15.75 15.80





#70

Phenanthrene

Concen: 36.75 ng/ul

RT: 17.50 min Scan# 2496

Delta R.T. 0.00 min

Lab File: BG020463.D

Acq: 24 Dec 2015 4:00

Instrument :

BNA_G

ClientSampleId :

D9N54MEDL

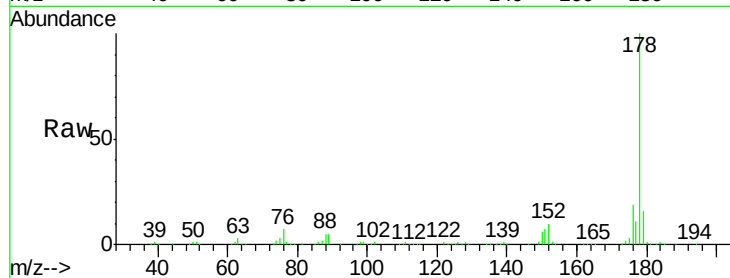
Tgt Ion:178 Resp: 261903

Ion Ratio Lower Upper

178 100

179 15.9 12.9 19.3

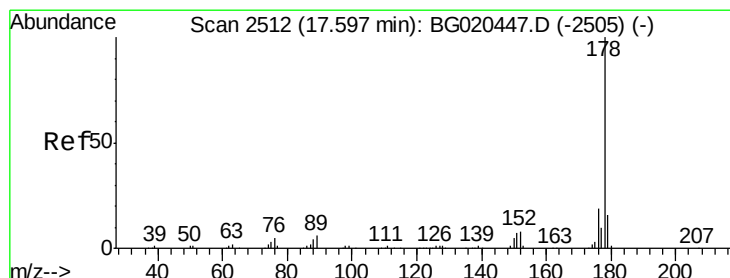
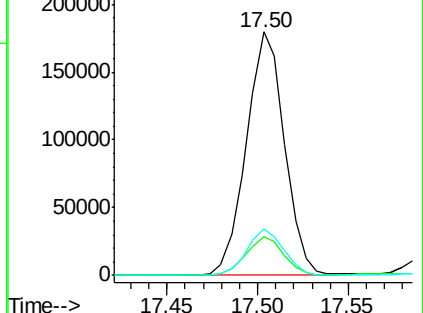
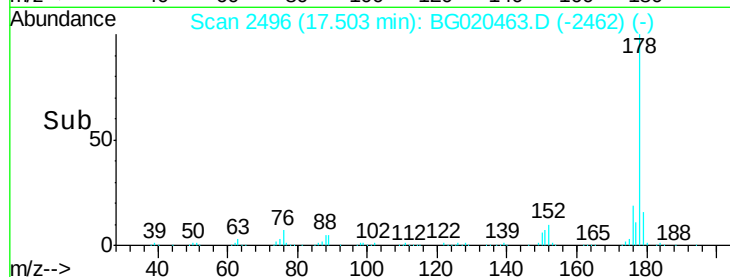
176 19.0 15.3 22.9



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: 2.83 ng/ul

RT: 17.59 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BG020463.D

Acq: 24 Dec 2015 4:00

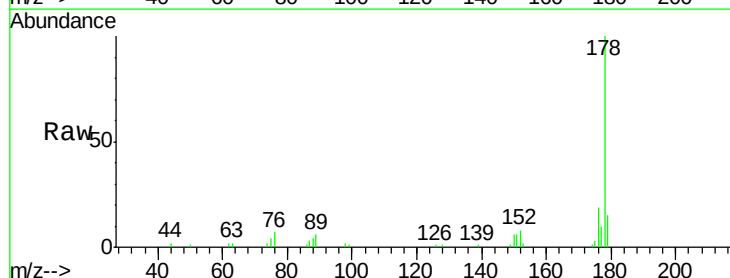
Tgt Ion:178 Resp: 20434

Ion Ratio Lower Upper

178 100

179 14.7 12.3 18.5

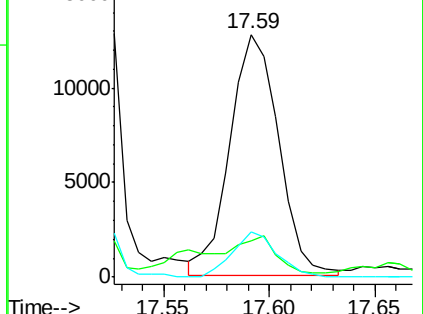
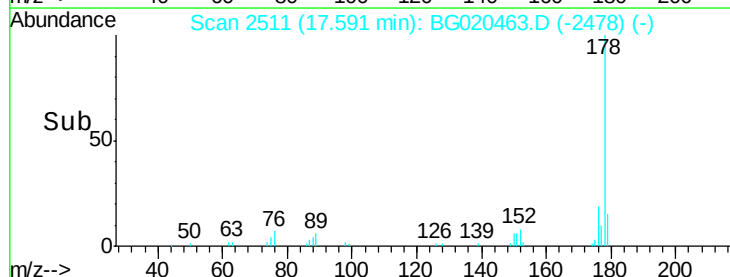
176 18.7 14.3 21.5

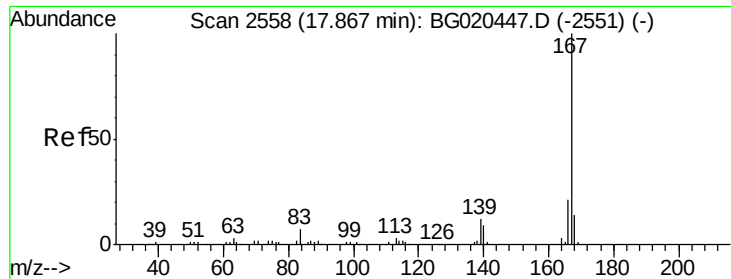


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Carbazole

Concen: 1.55 ng/ul

RT: 17.87 min Scan# 2558

Delta R.T. 0.00 min

Lab File: BG020463.D

Acq: 24 Dec 2015 4:00

Instrument :

BNA_G

ClientSampleId :

D9N54MEDL

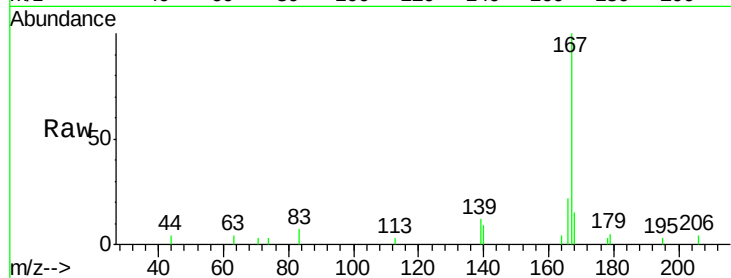
Tgt Ion:167 Resp: 9414

Ion Ratio Lower Upper

167 100

166 22.1 17.0 25.6

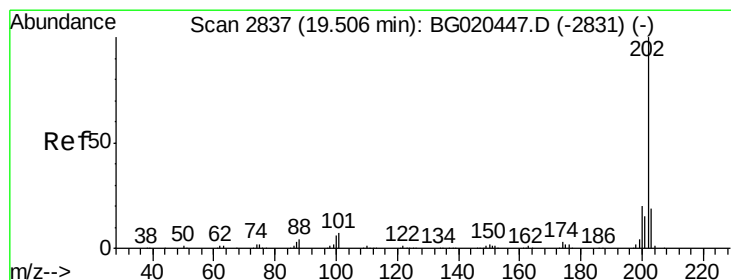
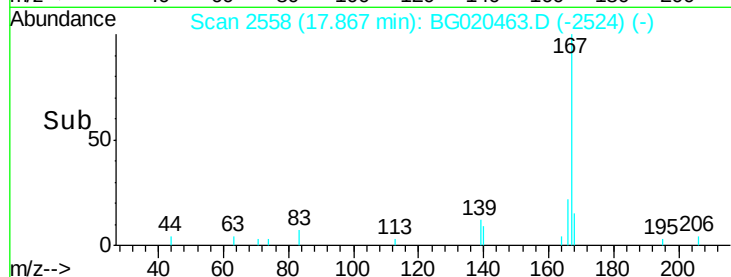
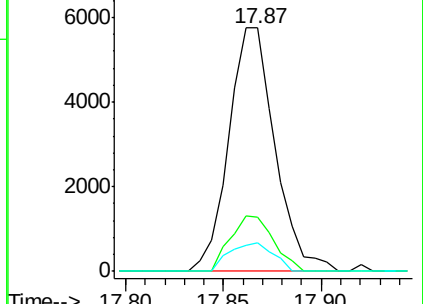
139 11.8 10.1 15.1



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: 18.72 ng/ul

RT: 19.51 min Scan# 2837

Delta R.T. 0.00 min

Lab File: BG020463.D

Acq: 24 Dec 2015 4:00

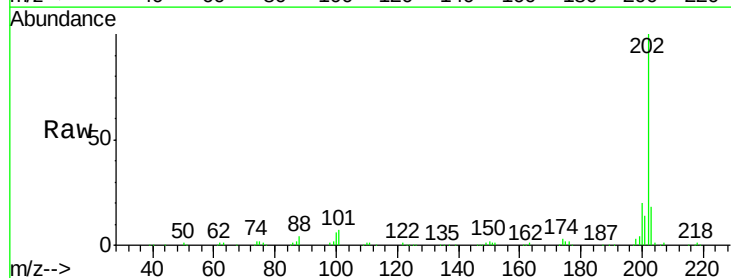
Tgt Ion:202 Resp: 155897

Ion Ratio Lower Upper

202 100

101 6.7 6.2 9.4

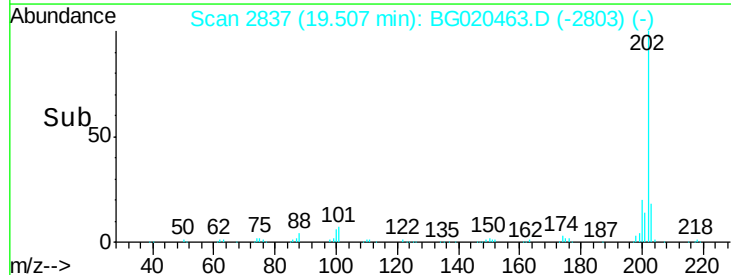
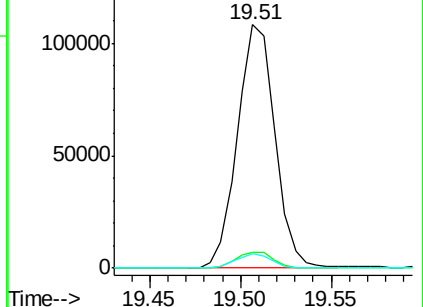
100 6.0 5.1 7.7

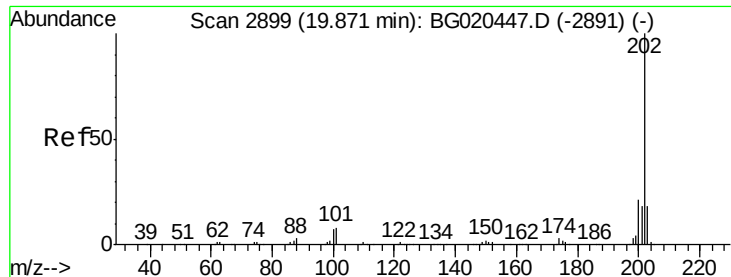


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

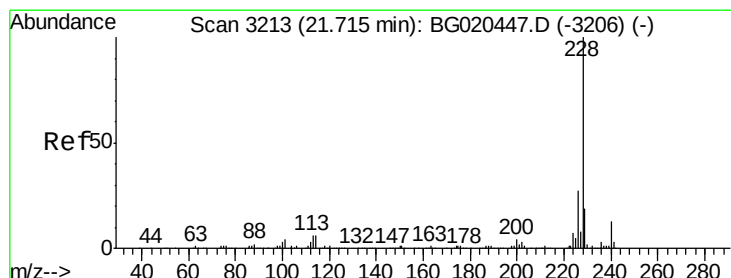
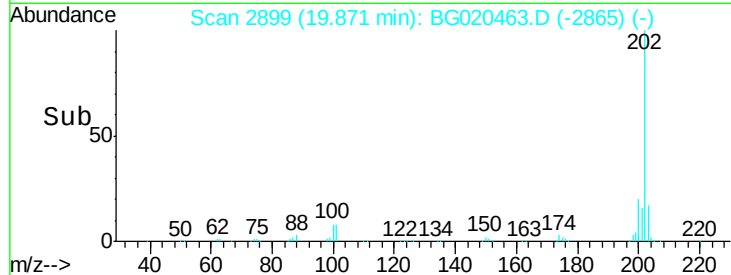
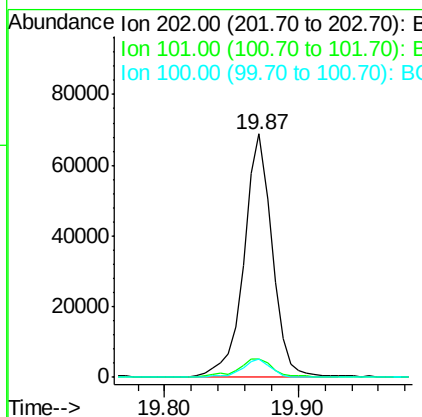
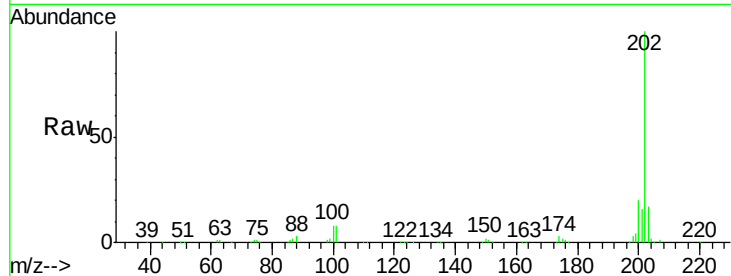




#80
 Pyrene
 Concen: 10.13 ng/ul
 RT: 19.87 min Scan# 2899
 Delta R.T. 0.00 min
 Lab File: BG020463.D
 Acq: 24 Dec 2015 4:00

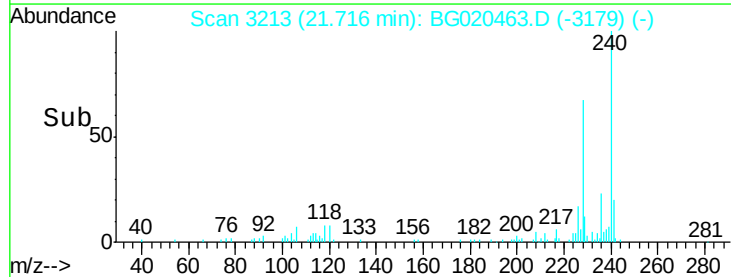
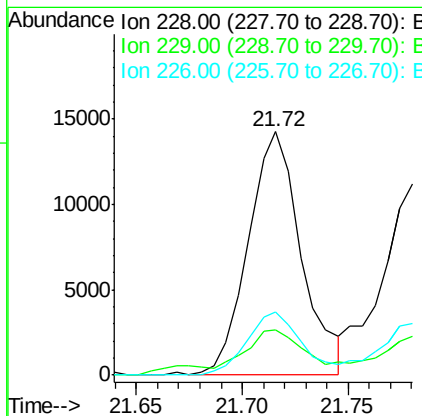
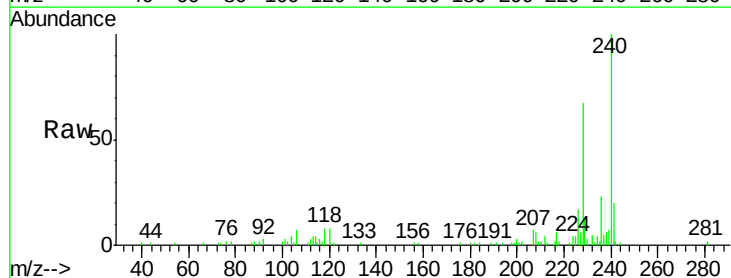
Instrument :
 BNA_G
 ClientSampleId :
 D9N54MEDL

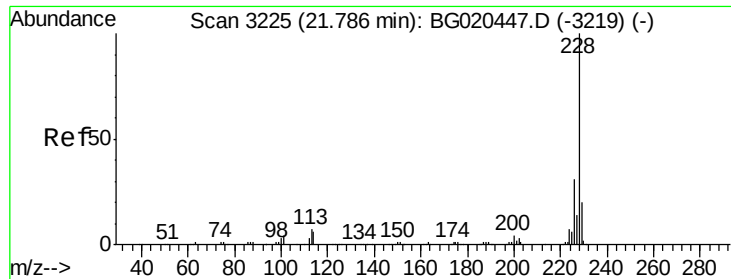
Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.8	7.0	10.4
100	7.5	6.4	9.6



#83
 Benzo(a)anthracene
 Concen: 2.61 ng/ul
 RT: 21.72 min Scan# 3213
 Delta R.T. 0.00 min
 Lab File: BG020463.D
 Acq: 24 Dec 2015 4:00

Tgt Ion	Ratio	Lower	Upper
228	100		
229	18.3	15.8	23.8
226	25.8	21.8	32.6

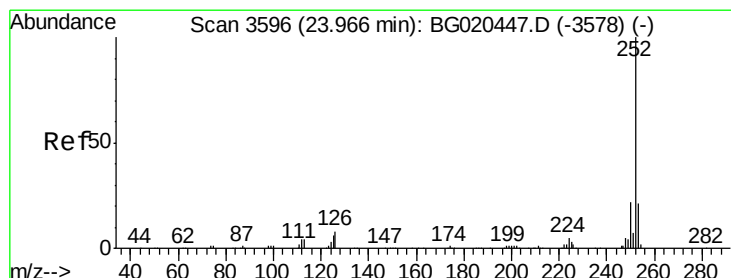
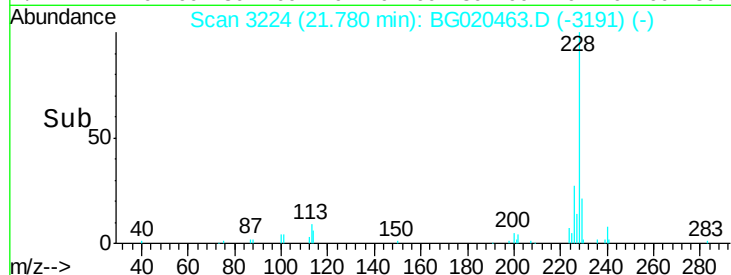
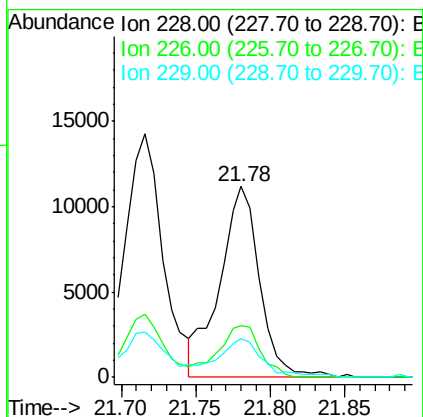
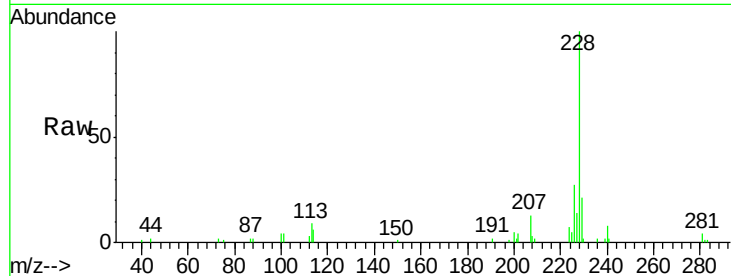




#85
Chrysene
 Concen: 2.33 ng/ul
 RT: 21.78 min Scan# 3224
 Delta R.T. -0.01 min
 Lab File: BG020463.D
 Acq: 24 Dec 2015 4:00

Instrument :
 BNA_G
 ClientSampleId :
 D9N54MEDL

Tgt Ion: 228 Resp: 20987
 Ion Ratio Lower Upper
 228 100
 226 27.3 23.9 35.9
 229 20.6 15.6 23.4



#88
Benzo(b)fluoranthene
 Concen: 1.27 ng/ul
 RT: 23.97 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: BG020463.D
 Acq: 24 Dec 2015 4:00

Tgt Ion: 252 Resp: 11411
 Ion Ratio Lower Upper
 252 100
 253 16.6 16.7 25.1#
 125 6.3 6.2 9.2

