

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020290.D
 Acq On : 19 Dec 2015 00:46
 Operator : UM/SJ
 Sample : G4768-11
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N35

Quant Time: Dec 19 04:40:08 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 19 00:45:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	20046	20.00	ng/ul	0.00
18) Naphthalene-d8	10.93	136	85937	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.73	164	60504	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	142204	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	190373	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	179693	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	596	1.64	ng/uL	0.00
5) Phenol-d5	7.24	99	11287	6.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	32718	31.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	32922	25.61	ng/ul	0.00
13) 4-Methylphenol-d8	8.80	113	22195	14.68	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	22708	33.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	25388	34.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	42856	28.38	ng/ul	0.01
29) 4-Chloroaniline-d4	11.06	131	2935	1.73	ng/ul	0.02
44) Dimethylphthalate-d6	14.13	166	157550	32.19	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	180851	31.76	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	5786	6.59	ng/ul	0.00
58) Fluorene-d10	15.72	176	143653	32.36	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	24455	29.01	ng/ul	0.00
71) Anthracene-d10	17.57	188	225225	34.37	ng/ul	0.00
79) Pyrene-d10	19.85	212	274023	30.88	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	309431	34.52	ng/ul	0.00

Target Compounds

					Qvalue
4) Benzaldehyde	7.23	77	2012	1.76 ng/ul#	1
14) Acetophenone	8.92	105	3399	1.44 ng/ul#	78
17) Hexachloroethane	9.21	117	4021	7.11 ng/ul#	1
28) Naphthalene	11.03	128	7688890	1713.30 ng/ul#	49
30) 4-Chloroaniline	11.03	127	2011766	1161.93 ng/ul#	14
34) 2-Methylnaphthalene	12.58	142	1603218	467.69 ng/ul	100
35) 1-Methylnaphthalene	12.80	142	992809	301.26 ng/ul#	96
41) 1,1'-Biphenyl	13.56	154	473796	103.80 ng/ul	97
43) 2-Nitroaniline	13.75	65	1541	1.24 ng/ul#	28
48) Acenaphthylene	14.45	152	164530	27.20 ng/ul	98
50) Acenaphthene	14.81	153	1740358	427.60 ng/ul	93
54) Dibenzofuran	15.13	168	1453987	240.15 ng/ul	90
59) Fluorene	15.79	166	1206552	248.16 ng/ul	98
61) 4-Nitroaniline	15.78	138	16860	15.54 ng/ul#	13
70) Phenanthrene	17.61	178	154043	19.80 ng/ul	99
72) Anthracene	17.61	178	154954	19.64 ng/ul	97
75) Carbazole	17.88	167	1432067	216.03 ng/ul	93
77) Fluoranthene	19.52	202	373220	41.06 ng/ul	98
80) Pyrene	19.88	202	217049	18.84 ng/ul	98
83) Benzo(a)anthracene	21.72	228	11227	1.01 ng/ul	95
85) Chrysene	21.72	228	11227	1.07 ng/ul	97

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QLast Update : Sat Dec 19 00:45:12 2015
Response via : Initial Calibration

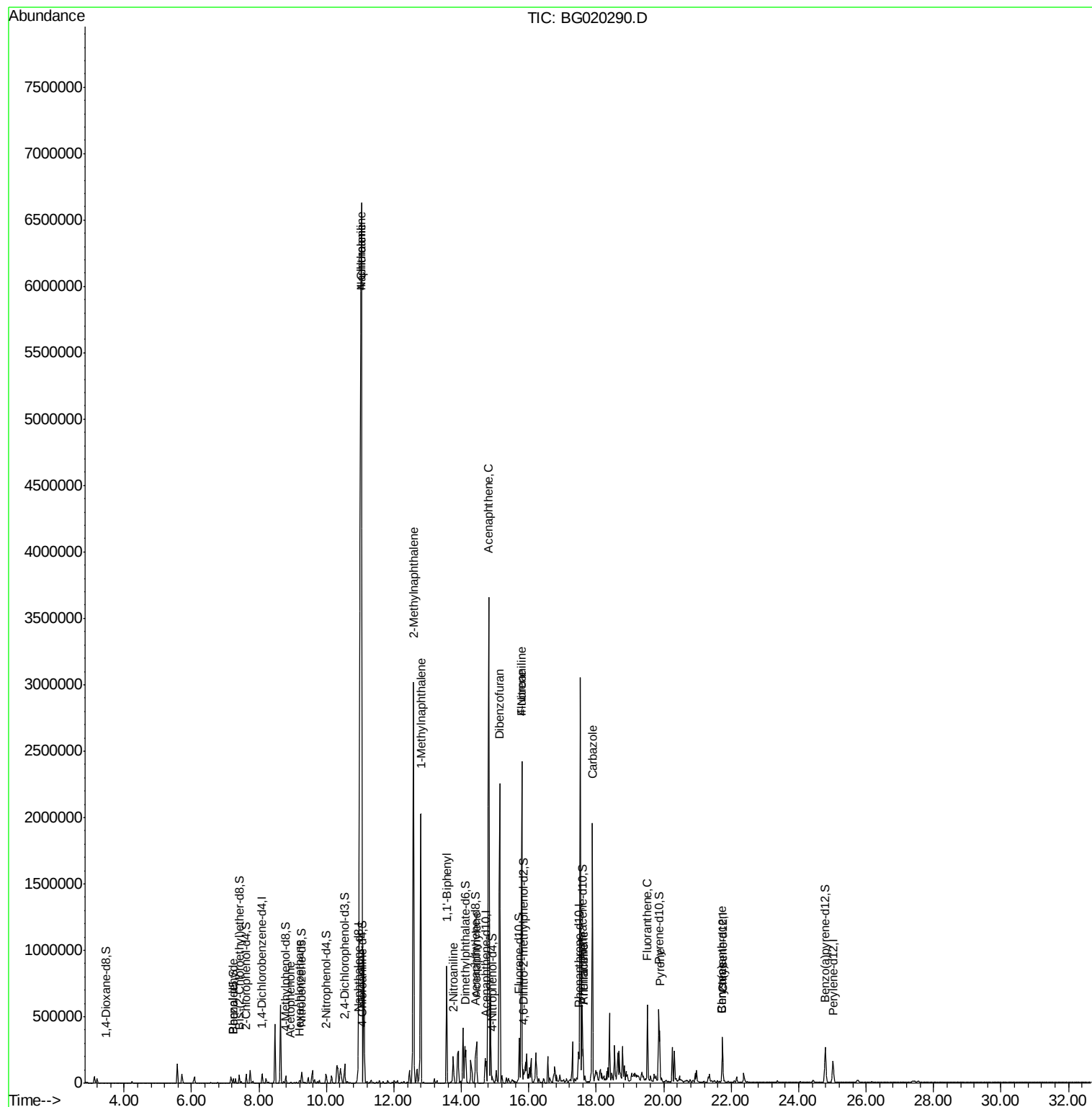
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

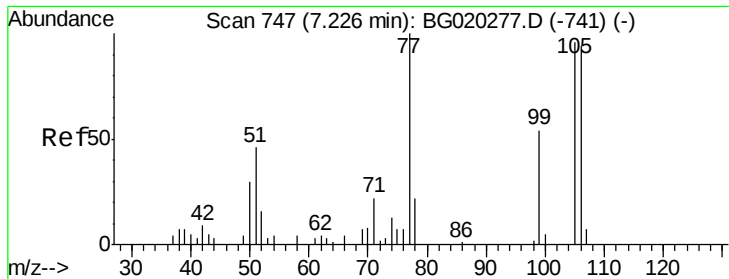
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#4

Benzaldehyde

Concen: 1.76 ng/ul

RT: 7.23 min Scan# 748

Delta R.T. 0.01 min

Lab File: BG020290.D

Acq: 19 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

D9N35

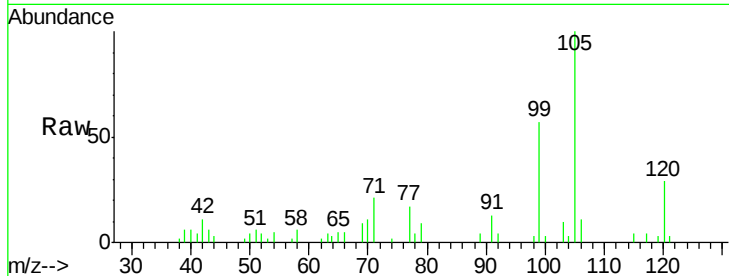
Tgt Ion: 77 Resp: 2012

Ion Ratio Lower Upper

77 100

105 598.0 77.8 116.6#

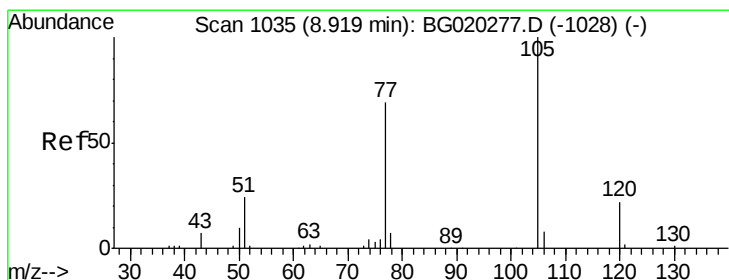
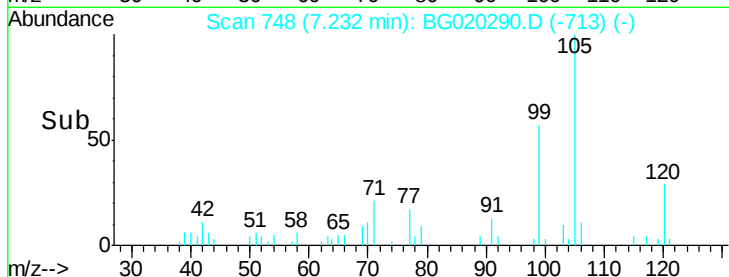
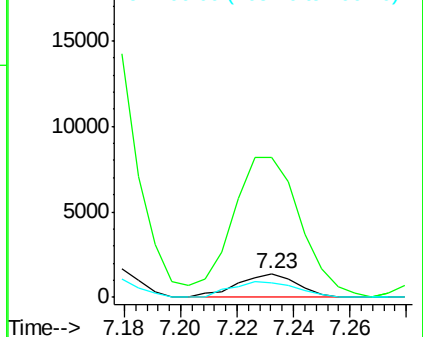
106 64.5 72.6 109.0#



Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC



#14

Acetophenone

Concen: 1.44 ng/ul

RT: 8.92 min Scan# 1036

Delta R.T. 0.01 min

Lab File: BG020290.D

Acq: 19 Dec 2015 00:46

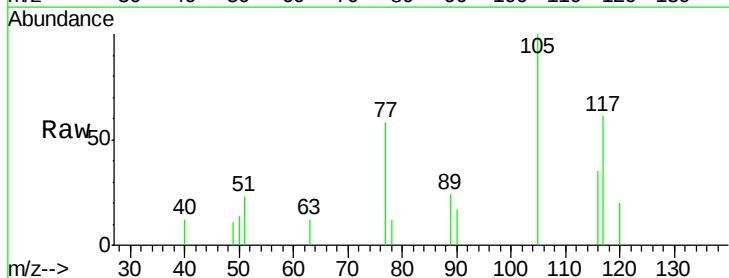
Tgt Ion: 105 Resp: 3399

Ion Ratio Lower Upper

105 100

77 57.5 65.2 97.8#

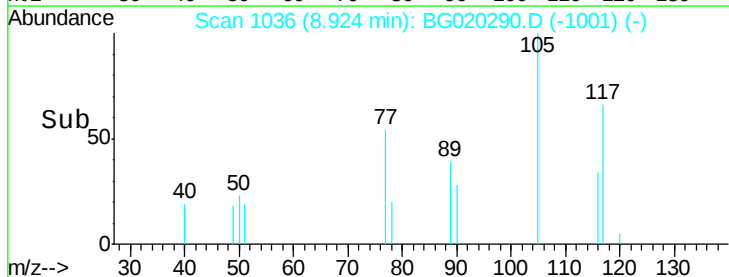
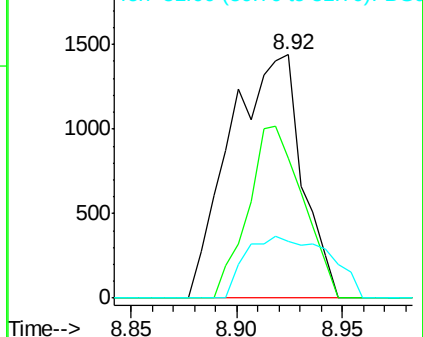
51 23.3 22.6 33.8

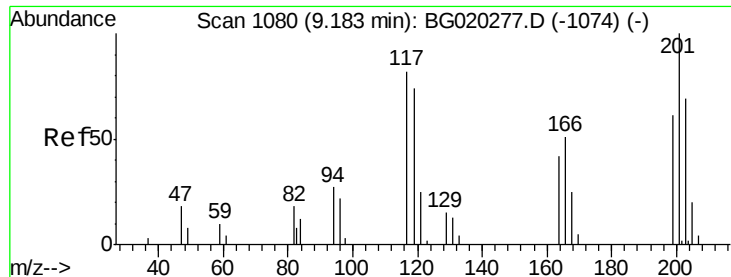


Abundance Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

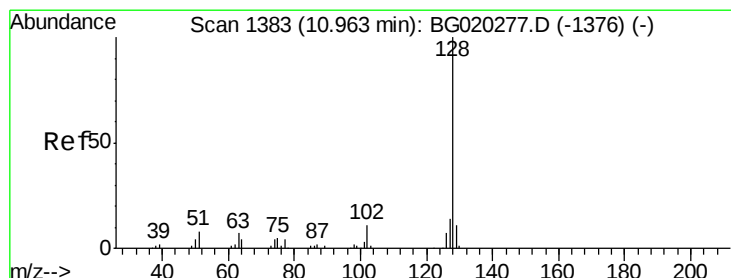
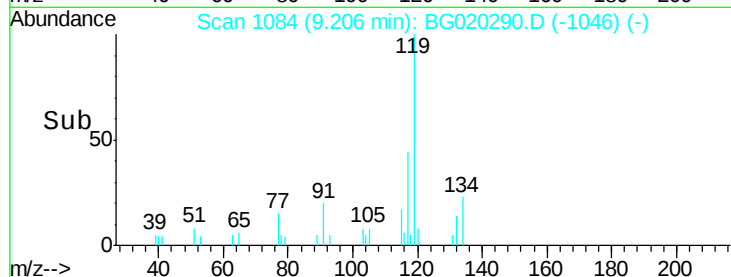
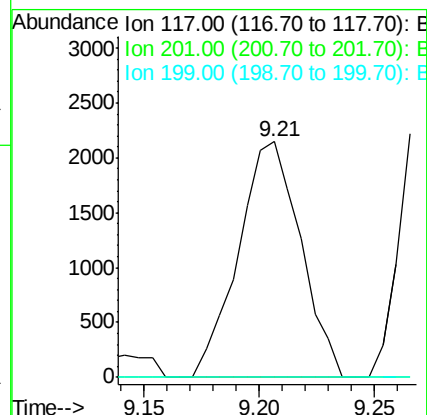
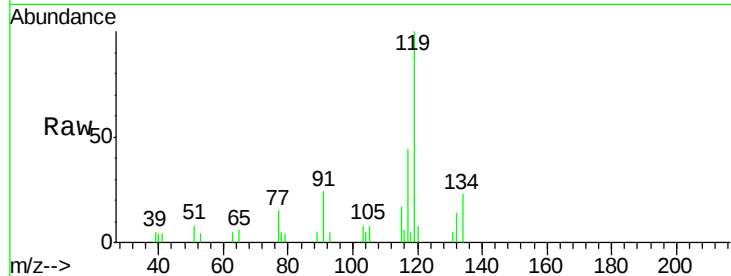




#17
Hexachloroethane
Concen: 7.11 ng/ul
RT: 9.21 min Scan# 1084
Delta R.T. 0.02 min
Lab File: BG020290.D
Acq: 19 Dec 2015 00:46

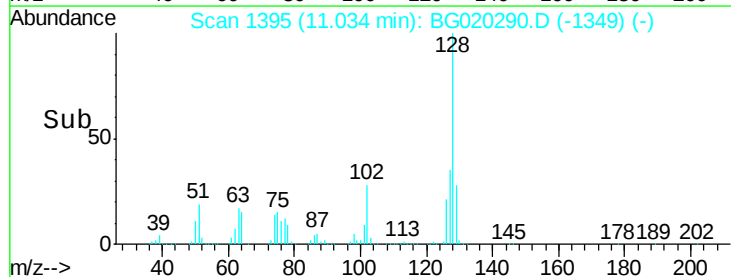
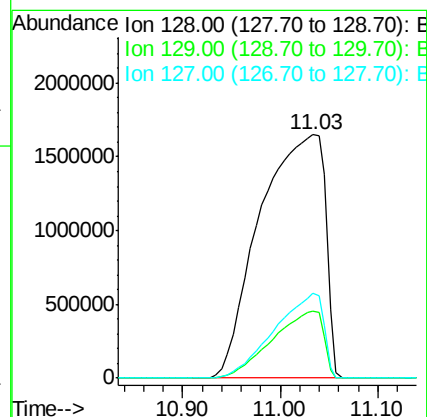
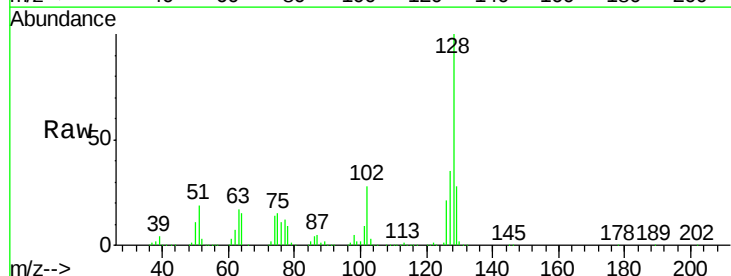
Instrument :
BNA_G
ClientSampleId :
D9N35

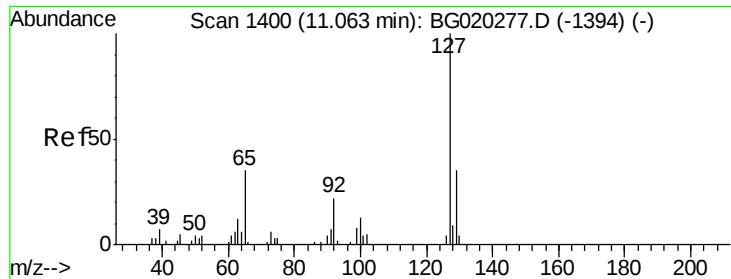
Tgt Ion:117 Resp: 4021
Ion Ratio Lower Upper
117 100
201 0.0 102.7 154.1#
199 0.0 65.8 98.8#



#28
Naphthalene
Concen: 1713.30 ng/ul
RT: 11.03 min Scan# 1395
Delta R.T. 0.07 min
Lab File: BG020290.D
Acq: 19 Dec 2015 00:46

Tgt Ion:128 Resp: 7688890
Ion Ratio Lower Upper
128 100
129 27.8 8.6 12.8#
127 34.6 10.1 15.1#





#30

4-Chloroaniline

Concen: 1161.93 ng/ul

RT: 11.03 min Scan# 1395

Delta R.T. -0.03 min

Lab File: BG020290.D

Acq: 19 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

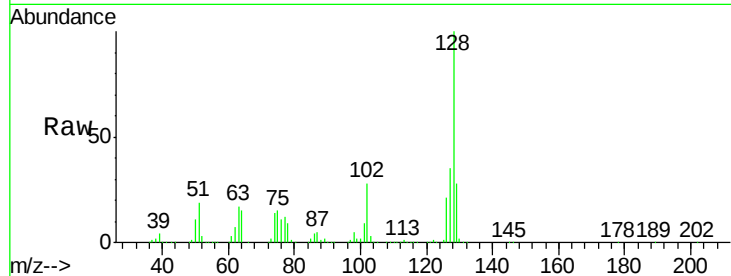
D9N35

Tgt Ion:127 Resp: 2011766

Ion Ratio Lower Upper

127 100

129 80.2 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

11.03

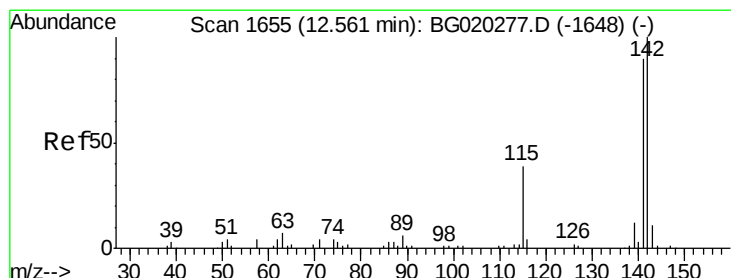
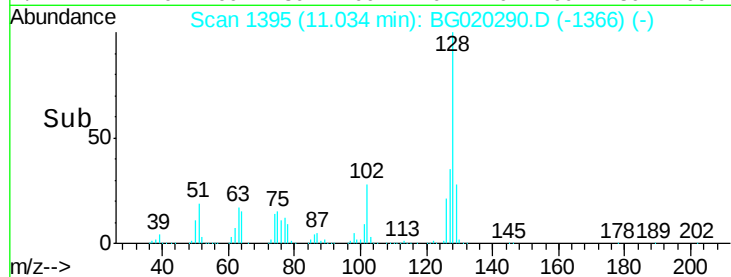
600000

400000

200000

0

Time-->



#34

2-Methylnaphthalene

Concen: 467.69 ng/ul

RT: 12.58 min Scan# 1658

Delta R.T. 0.02 min

Lab File: BG020290.D

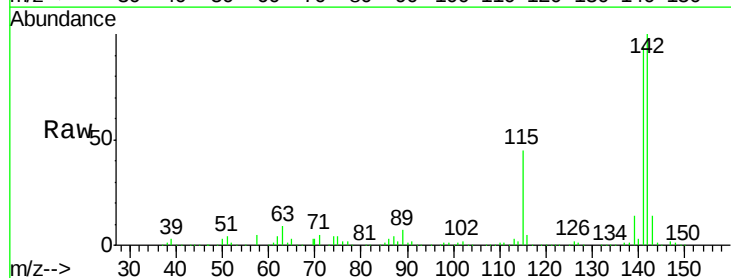
Acq: 19 Dec 2015 00:46

Tgt Ion:142 Resp: 1603218

Ion Ratio Lower Upper

142 100

141 93.6 74.9 112.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.58

800000

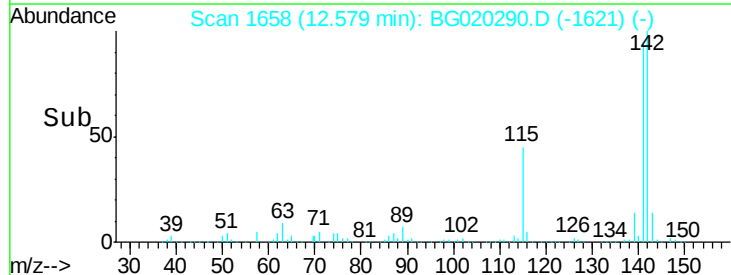
600000

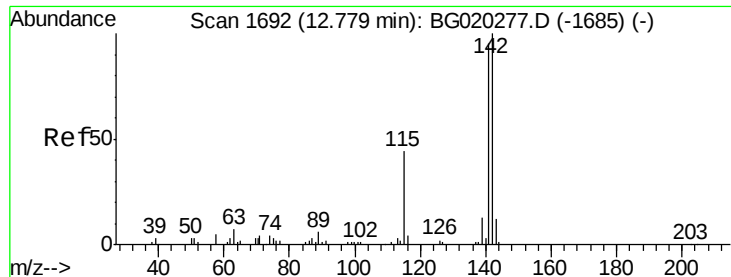
400000

200000

0

Time-->

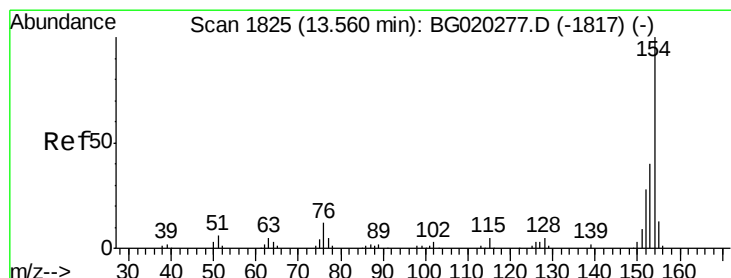
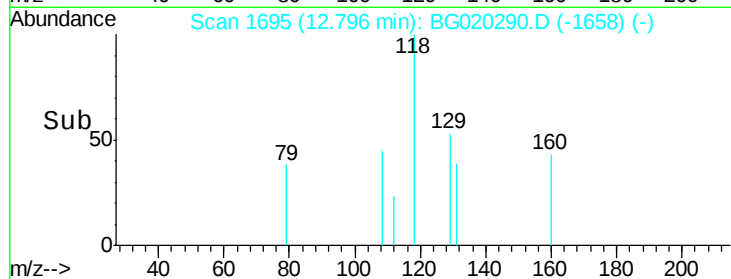
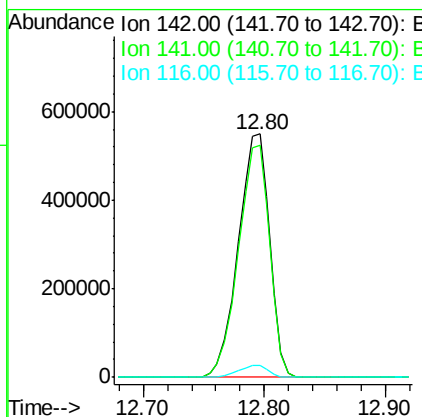
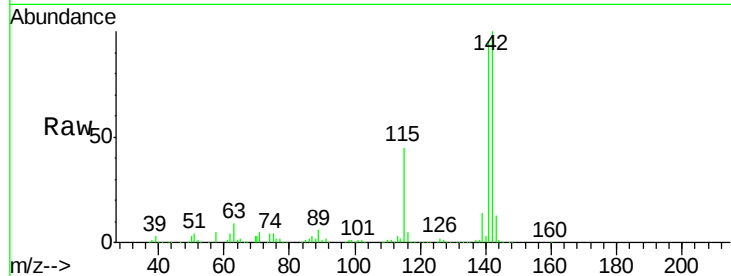




#35
 1-Methylnaphthalene
 Concen: 301.26 ng/ul
 RT: 12.80 min Scan# 1695
 Delta R.T. 0.02 min
 Lab File: BG020290.D
 Acq: 19 Dec 2015 00:46

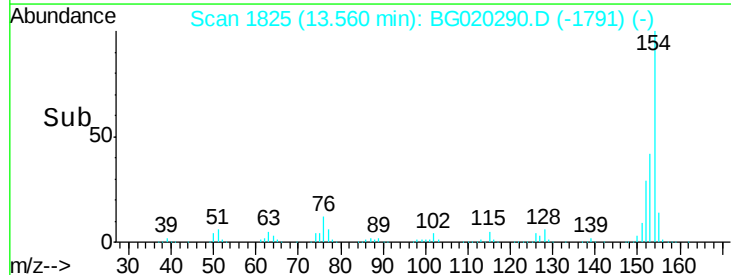
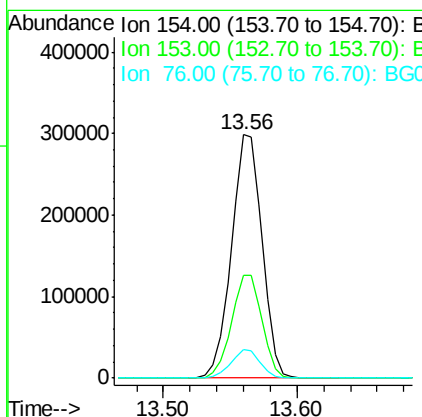
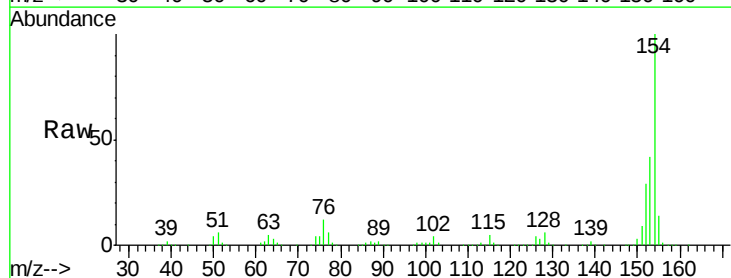
Instrument :
 BNA_G
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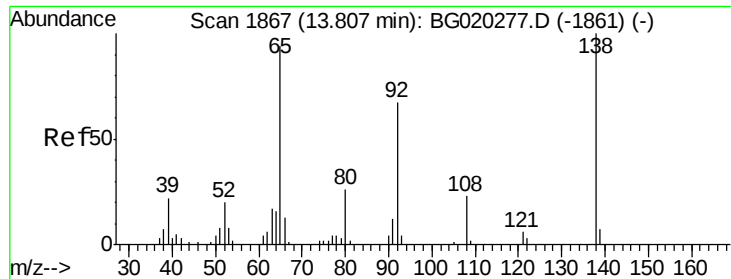
Tgt Ion:142 Resp: 992809
 Ion Ratio Lower Upper
 142 100
 141 95.4 73.0 109.6
 116 4.9 3.0 4.6#



#41
 1,1'-Biphenyl
 Concen: 103.80 ng/ul
 RT: 13.56 min Scan# 1825
 Delta R.T. -0.00 min
 Lab File: BG020290.D
 Acq: 19 Dec 2015 00:46

Tgt Ion:154 Resp: 473796
 Ion Ratio Lower Upper
 154 100
 153 42.1 35.5 53.3
 76 11.8 10.4 15.6





#43

2-Nitroaniline

Concen: 1.24 ng/ul

RT: 13.75 min Scan# 1858

Delta R.T. -0.05 min

Lab File: BG020290.D

Acq: 19 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

D9N35

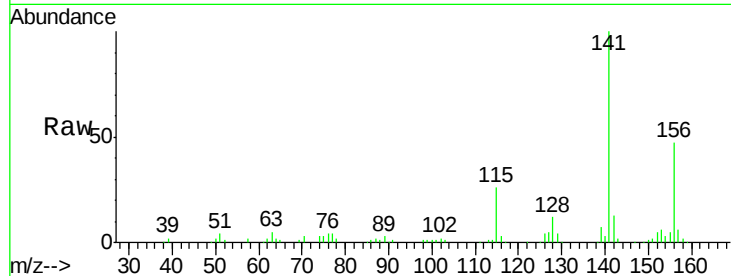
Tgt Ion: 65 Resp: 1541

Ion Ratio Lower Upper

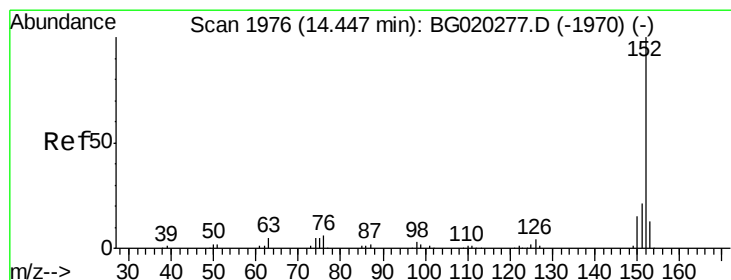
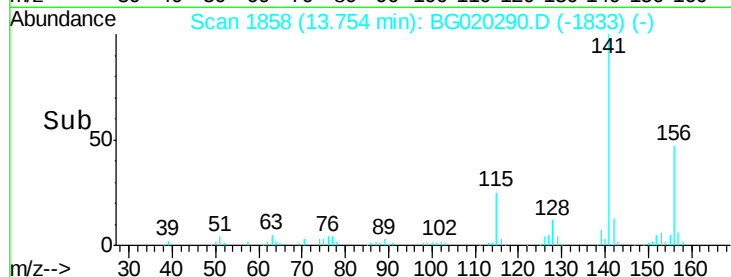
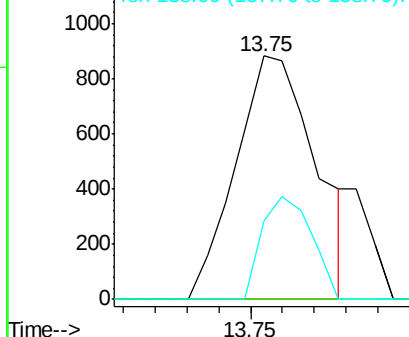
65 100

92 0.0 53.1 79.7#

138 32.4 76.6 114.8#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#48

Acenaphthylene

Concen: 27.20 ng/ul

RT: 14.45 min Scan# 1977

Delta R.T. 0.01 min

Lab File: BG020290.D

Acq: 19 Dec 2015 00:46

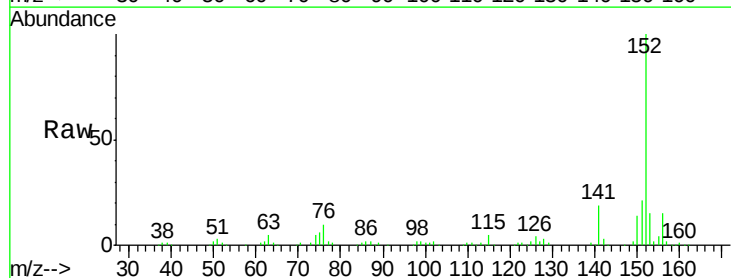
Tgt Ion: 152 Resp: 164530

Ion Ratio Lower Upper

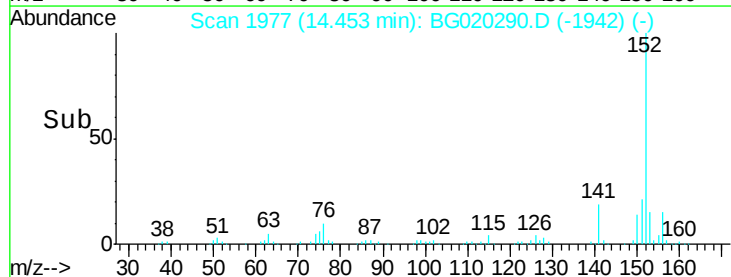
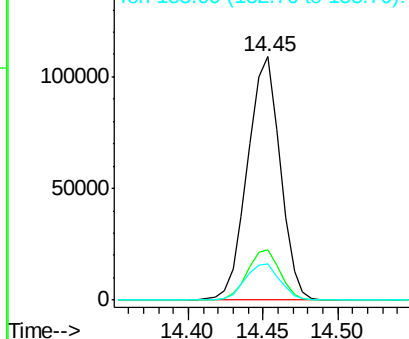
152 100

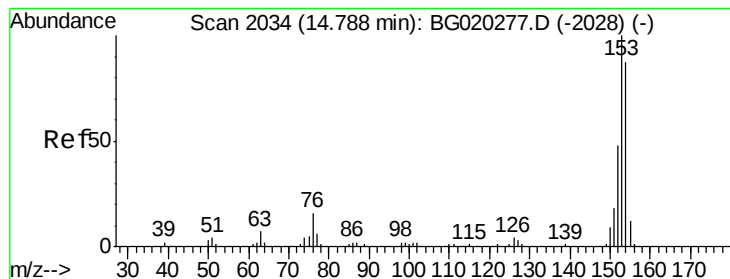
151 20.6 16.4 24.6

153 15.0 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): BGC
Ion 151.00 (150.70 to 151.70): BGC
Ion 153.00 (152.70 to 153.70): BGC





#50

Acenaphthene

Concen: 427.60 ng/ul

RT: 14.81 min Scan# 2038

Delta R.T. 0.02 min

Lab File: BG020290.D

Acq: 19 Dec 2015 00:46

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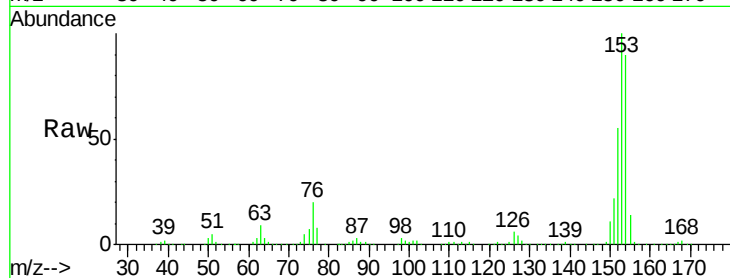
Tgt Ion:153 Resp: 1740358

Ion Ratio Lower Upper

153 100

152 54.6 37.6 56.4

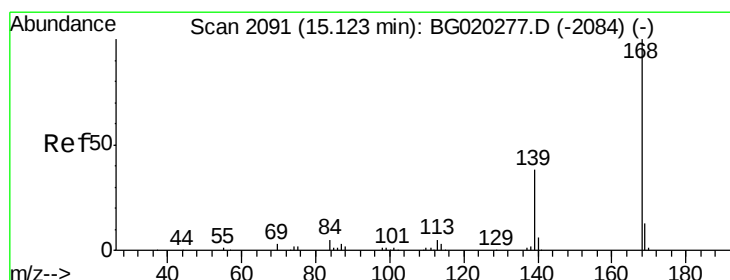
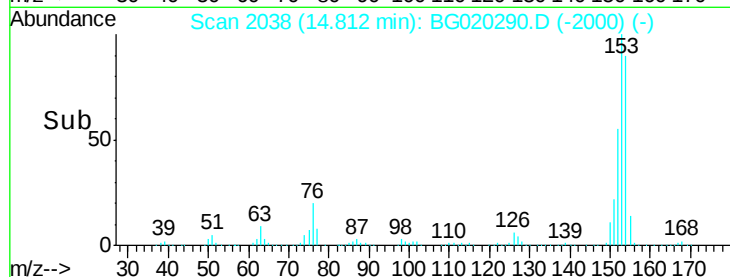
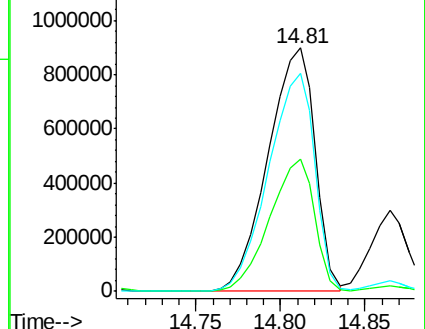
154 89.7 67.9 101.9



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: 240.15 ng/ul

RT: 15.13 min Scan# 2093

Delta R.T. 0.01 min

Lab File: BG020290.D

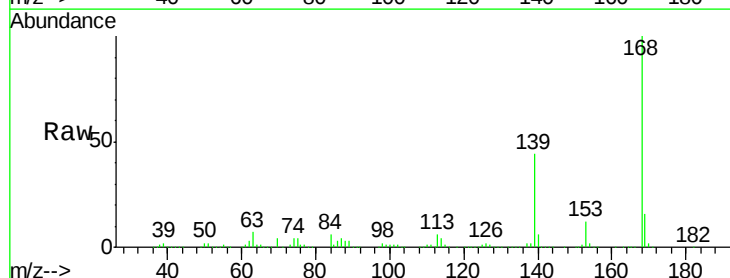
Acq: 19 Dec 2015 00:46

Tgt Ion:168 Resp: 1453987

Ion Ratio Lower Upper

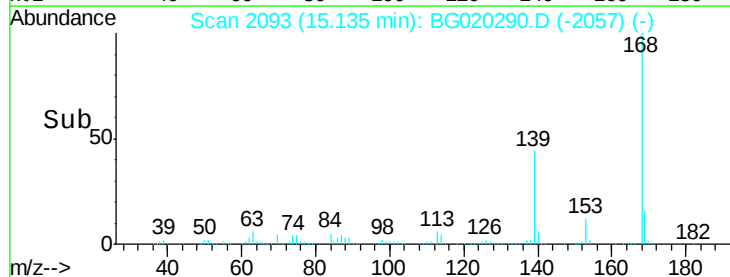
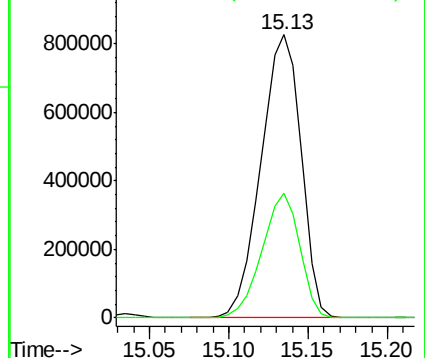
168 100

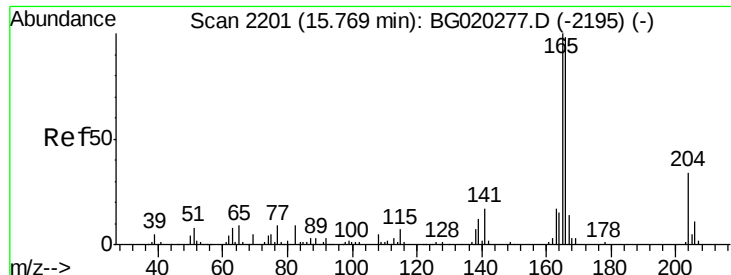
139 44.0 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

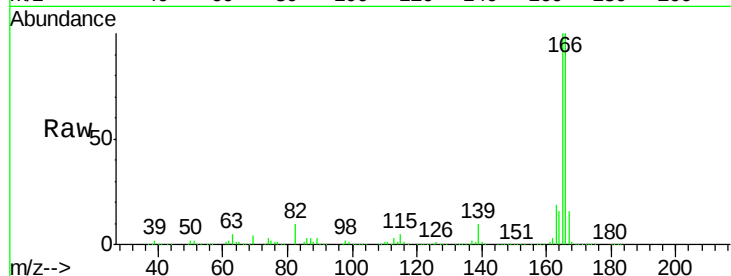




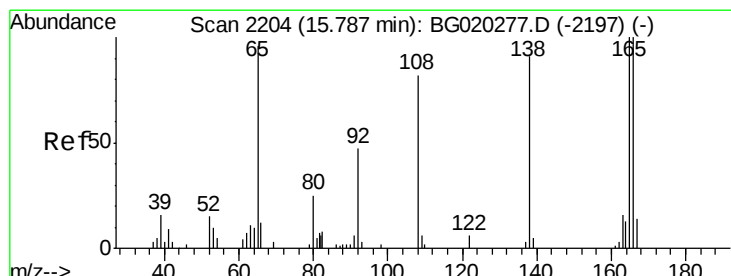
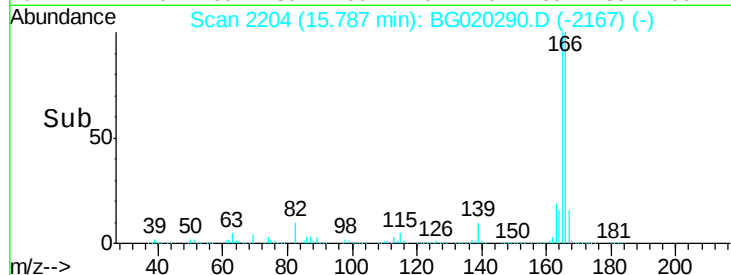
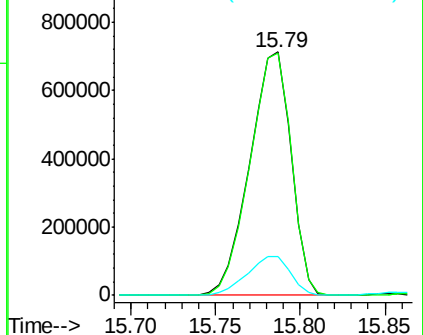
#59
 Fluorene
 Concen: 248.16 ng/ul
 RT: 15.79 min Scan# 2204
 Delta R.T. 0.02 min
 Lab File: BG020290.D
 Acq: 19 Dec 2015 00:46

Instrument :
 BNA_G
 ClientSampleId :
 D9N35

Tgt Ion:166 Resp: 1206552
 Ion Ratio Lower Upper
 166 100
 165 99.7 81.4 122.0
 167 15.9 11.2 16.8

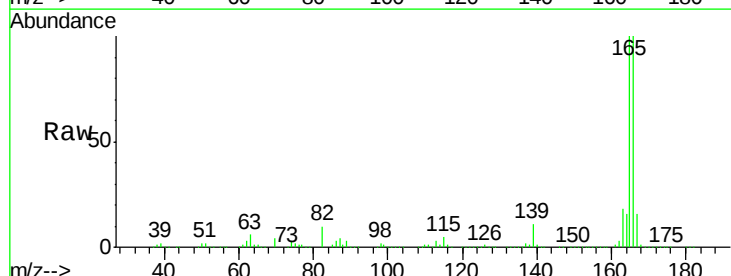


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

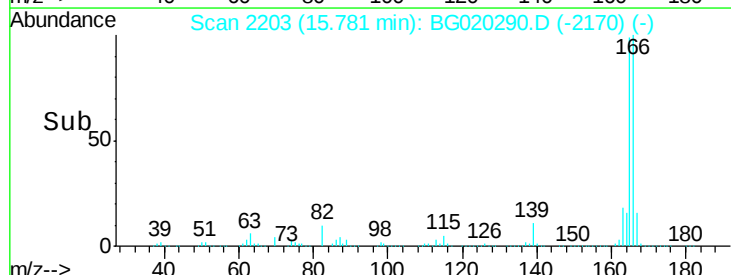
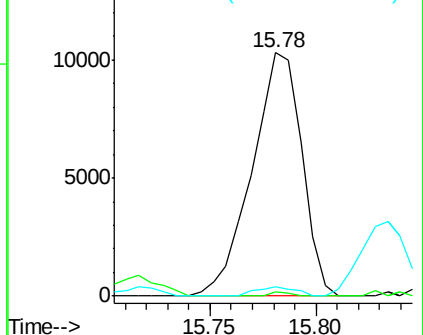


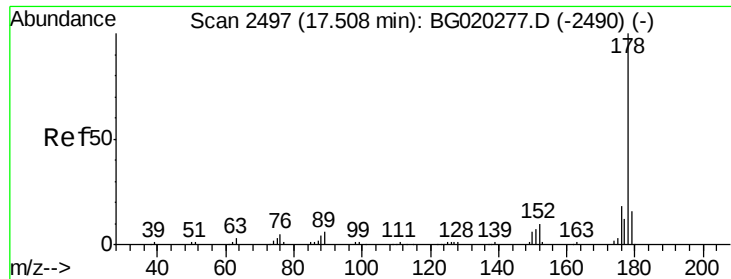
#61
 4-Nitroaniline
 Concen: 15.54 ng/ul
 RT: 15.78 min Scan# 2203
 Delta R.T. -0.01 min
 Lab File: BG020290.D
 Acq: 19 Dec 2015 00:46

Tgt Ion:138 Resp: 16860
 Ion Ratio Lower Upper
 138 100
 92 1.6 45.2 67.8#
 108 3.7 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

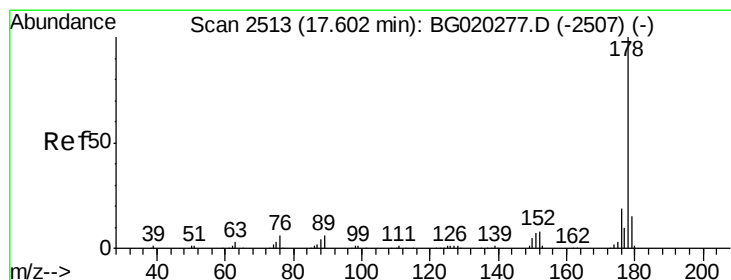
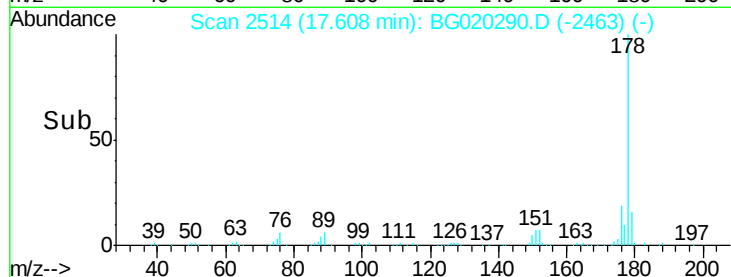
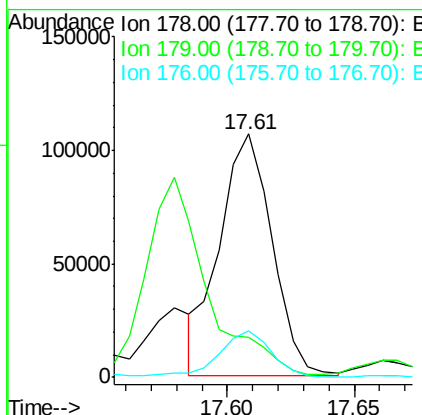
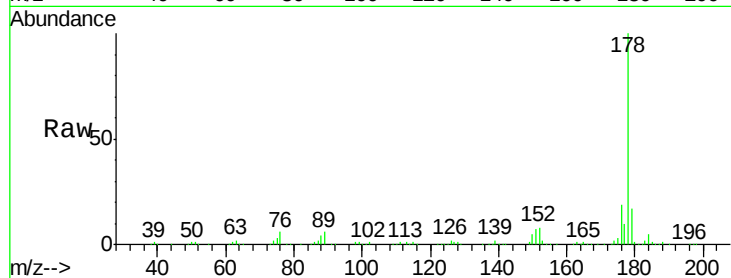




#70
Phenanthrene
Concen: 19.80 ng/ul
RT: 17.61 min Scan# 2514
Delta R.T. 0.10 min
Lab File: BG020290.D
Acq: 19 Dec 2015 00:46

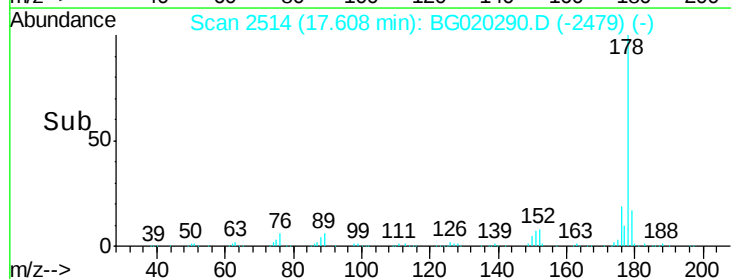
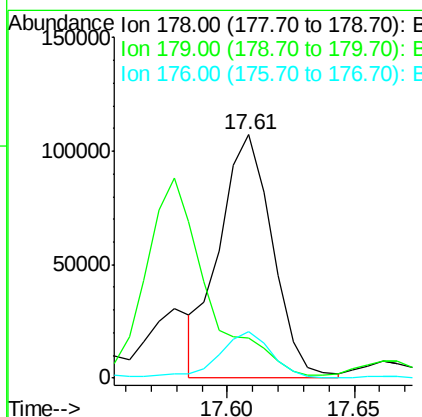
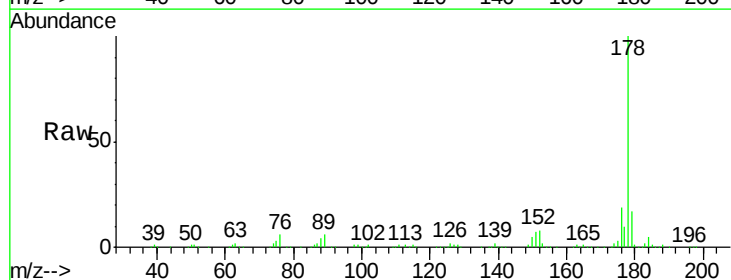
Instrument :
BNA_G
ClientSampleId :
D9N35

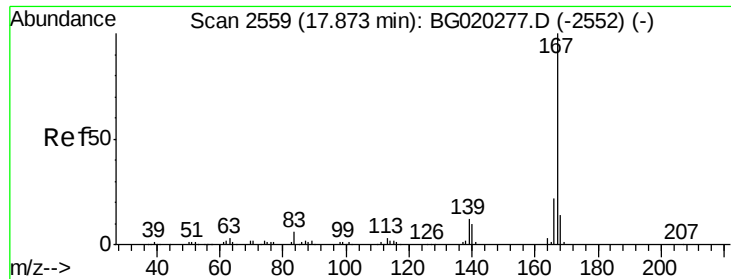
Tgt Ion:178 Resp: 154043
Ion Ratio Lower Upper
178 100
179 16.6 12.9 19.3
176 19.1 15.3 22.9



#72
Anthracene
Concen: 19.64 ng/ul
RT: 17.61 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BG020290.D
Acq: 19 Dec 2015 00:46

Tgt Ion:178 Resp: 154954
Ion Ratio Lower Upper
178 100
179 16.6 12.3 18.5
176 19.1 14.3 21.5





#75

Carbazole

Concen: 216.03 ng/ul

RT: 17.88 min Scan# 2561

Delta R.T. 0.01 min

Lab File: BG020290.D

Acq: 19 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

D9N35

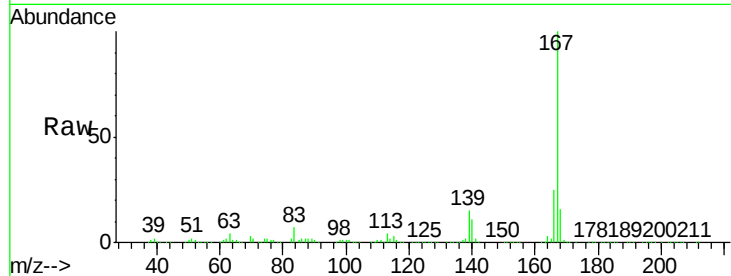
Tgt Ion:167 Resp: 1432067

Ion Ratio Lower Upper

167 100

166 25.2 17.0 25.6

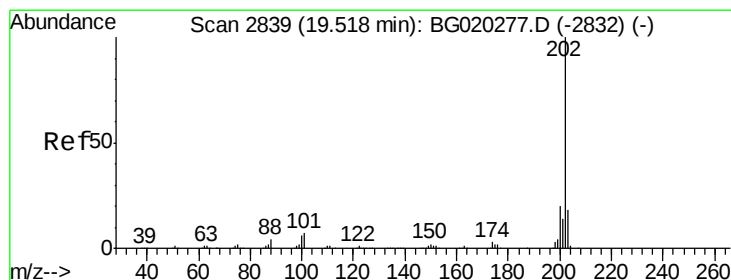
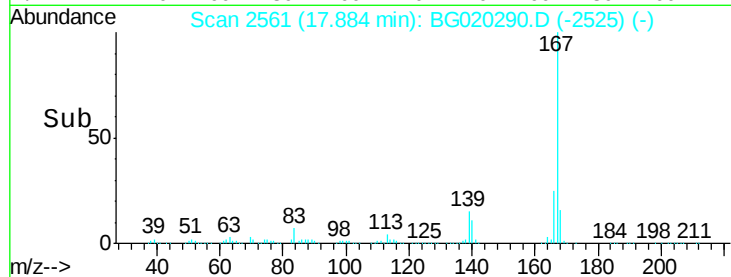
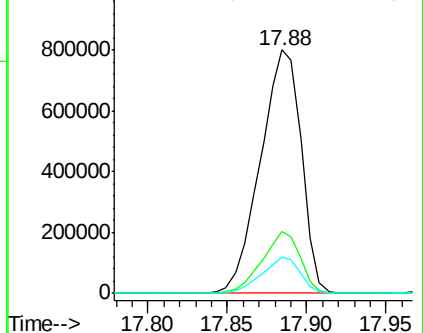
139 14.9 10.1 15.1



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: 41.06 ng/ul

RT: 19.52 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BG020290.D

Acq: 19 Dec 2015 00:46

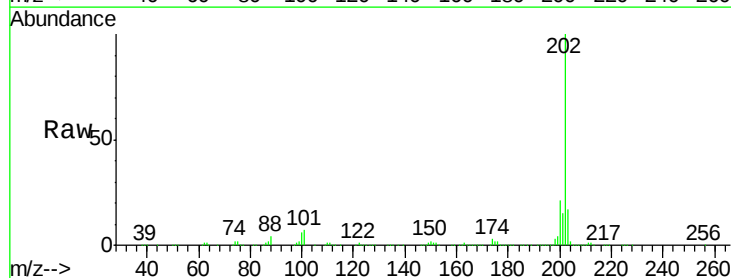
Tgt Ion:202 Resp: 373220

Ion Ratio Lower Upper

202 100

101 7.1 6.2 9.4

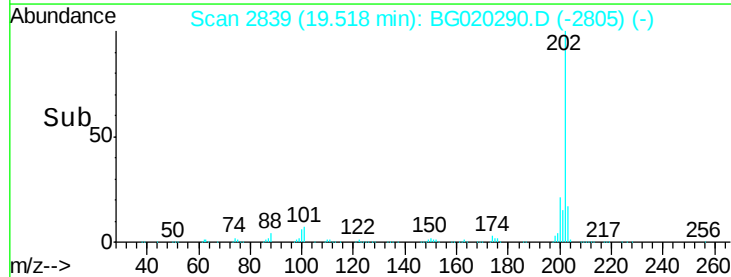
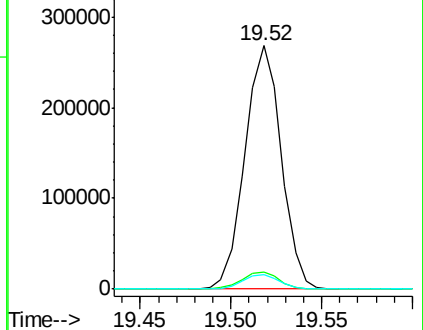
100 5.9 5.1 7.7

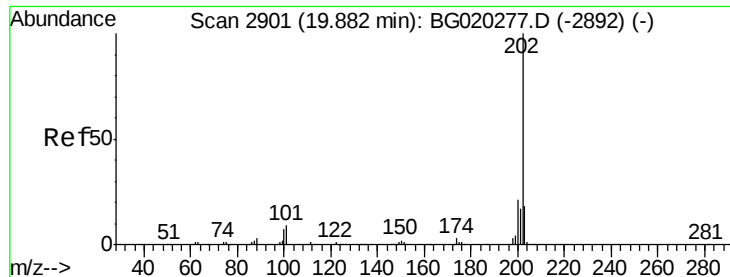


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

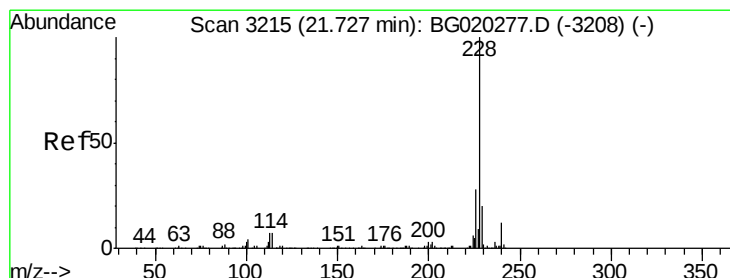
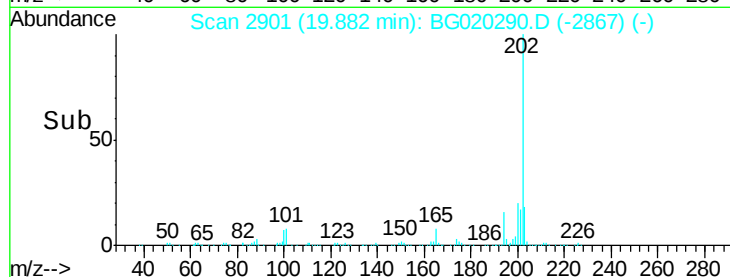
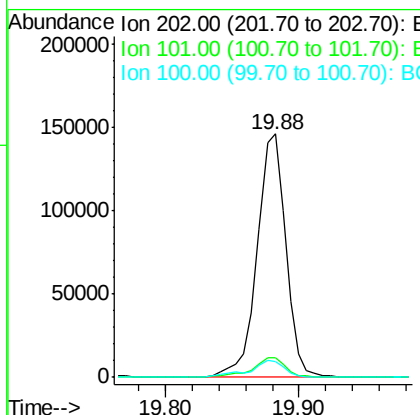
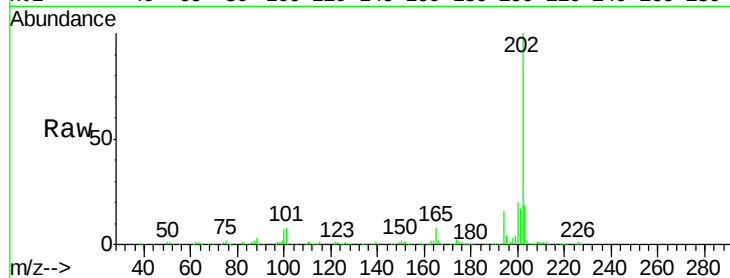




#80
Pyrene
Concen: 18.84 ng/ul
RT: 19.88 min Scan# 2901
Delta R.T. -0.00 min
Lab File: BG020290.D
Acq: 19 Dec 2015 00:46

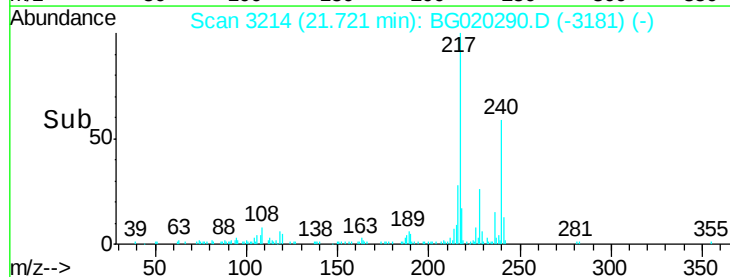
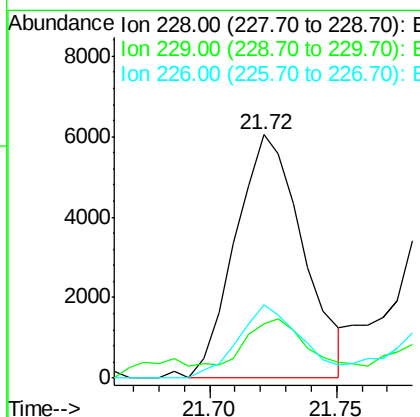
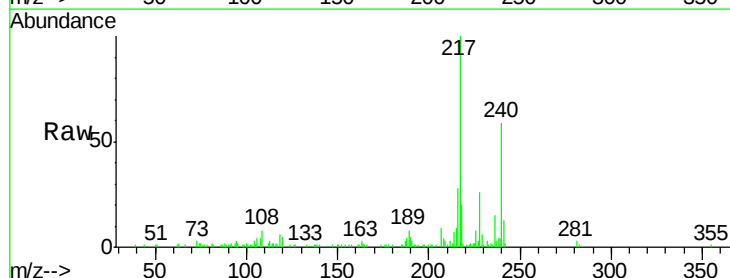
Instrument :
BNA_G
ClientSampleId :
D9N35

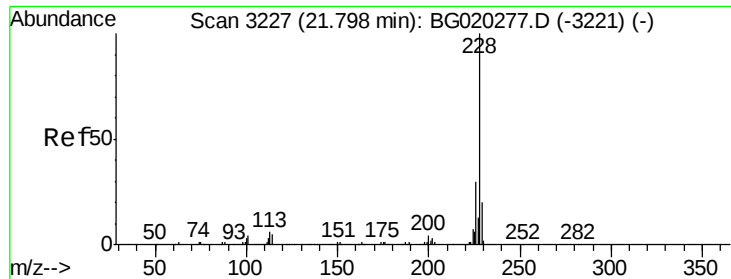
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.2	7.0	10.4
100	6.7	6.4	9.6



#83
Benzo(a)anthracene
Concen: 1.01 ng/ul
RT: 21.72 min Scan# 3214
Delta R.T. -0.01 min
Lab File: BG020290.D
Acq: 19 Dec 2015 00:46

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.0	15.8	23.8
226	30.3	21.8	32.6





#85

Chrysene

Concen: 1.07 ng/ul

RT: 21.72 min Scan# 3214

Delta R.T. -0.08 min

Lab File: BG020290.D

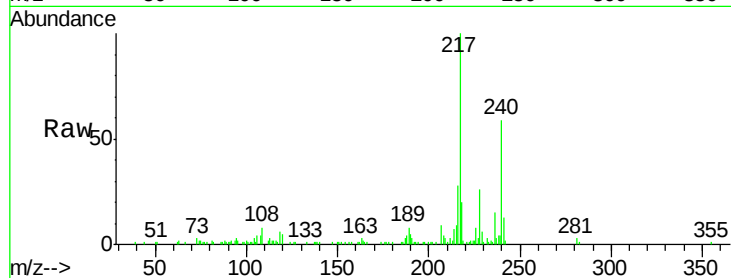
Acq: 19 Dec 2015 00:46

Instrument :

BNA_G

ClientSampleId :

D9N35



Tgt Ion:	228	Resp:	11227
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.9	35.9
229	22.0	15.6	23.4

