

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020289.D
 Acq On : 19 Dec 2015 00:07
 Operator : UM/SJ
 Sample : G4768-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N34

Quant Time: Dec 19 00:52:12 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	18229	20.00	ng/ul	0.00
18) Naphthalene-d8	10.93	136	74452	20.00	ng/ul	0.02
36) Acenaphthene-d10	14.73	164	51451	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	124900	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	175502	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	163625	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	489	1.48	ng/uL	0.00
5) Phenol-d5	7.24	99	14102	8.77	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	30382	31.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	32937	28.17	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	24261	17.65	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	21862	37.67	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	24781	38.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	42410	32.42	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	2766	1.88	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	147534	35.45	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	169272	34.96	ng/ul	0.00
52) 4-Nitrophenol-d4	14.91	143	6894	9.24	ng/ul	0.00
58) Fluorene-d10	15.71	176	132516	35.11	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	23064	31.15	ng/ul	0.00
71) Anthracene-d10	17.57	188	214693	37.30	ng/ul	0.00
79) Pyrene-d10	19.85	212	271106	33.14	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	313795	38.45	ng/ul	0.00

Target Compounds

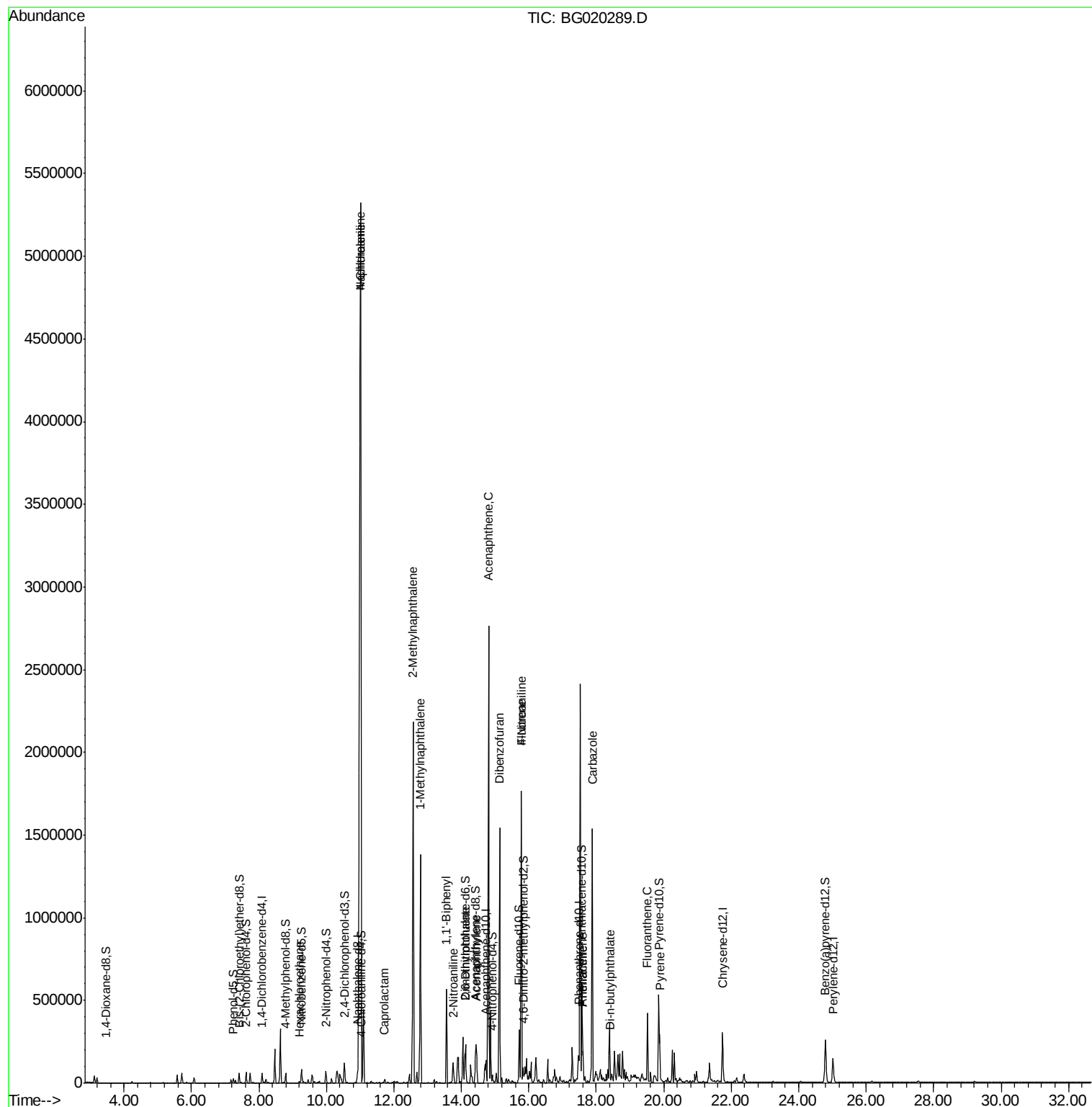
						Qvalue
17) Hexachloroethane	9.20	117	2357	4.58	ng/ul#	1
28) Naphthalene	11.01	128	5513439	1418.06	ng/ul#	61
30) 4-Chloroaniline	11.01	127	1235841	823.89	ng/ul#	10
32) Caprolactam	11.72	113	1554	3.28	ng/ul#	1
34) 2-Methylnaphthalene	12.57	142	1104742	371.99	ng/ul	98
35) 1-Methylnaphthalene	12.79	142	643722	225.46	ng/ul#	97
41) 1,1'-Biphenyl	13.56	154	305262	78.64	ng/ul	96
43) 2-Nitroaniline	13.75	65	1146	1.08	ng/ul#	24
46) 2,6-Dinitrotoluene	14.12	165	1882	2.14	ng/ul#	57
48) Acenaphthylene	14.45	152	123666	24.04	ng/ul	97
50) Acenaphthene	14.80	153	1230880	355.63	ng/ul	95
54) Dibenzofuran	15.13	168	999988	194.22	ng/ul	96
59) Fluorene	15.78	166	854394	206.65	ng/ul	97
61) 4-Nitroaniline	15.78	138	11302	12.25	ng/ul#	13
70) Phenanthrene	17.61	178	105430	15.43	ng/ul	98
72) Anthracene	17.61	178	106223	15.33	ng/ul	98
75) Carbazole	17.88	167	1058293	181.77	ng/ul	97
76) Di-n-butylphthalate	18.42	149	8008	1.18	ng/ul#	90
77) Fluoranthene	19.52	202	273554	34.26	ng/ul	99
80) Pyrene	19.88	202	155859	14.67	ng/ul	100

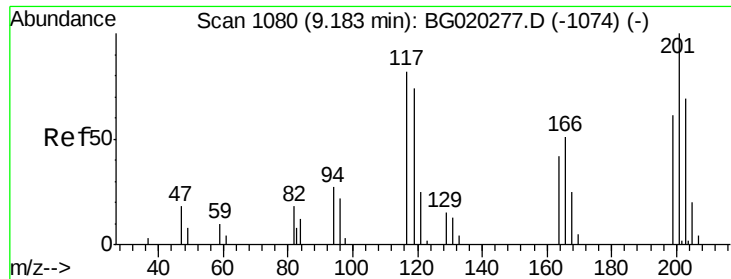
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
Data File : BG020289.D
Acq On : 19 Dec 2015 00:07
Operator : UM/SJ
Sample : G4768-10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
D9N34

Quant Time: Dec 19 00:52:12 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

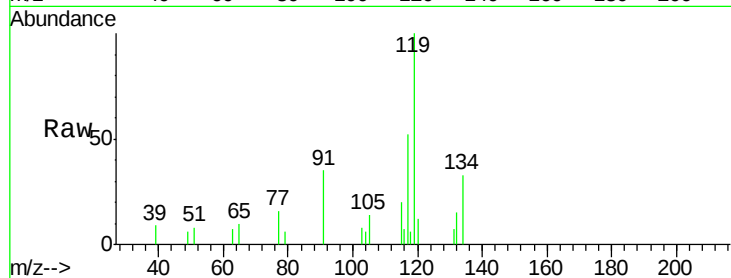




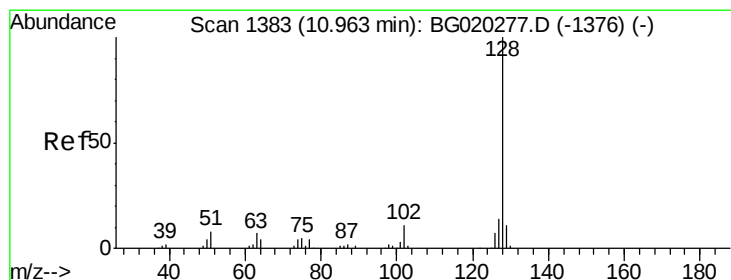
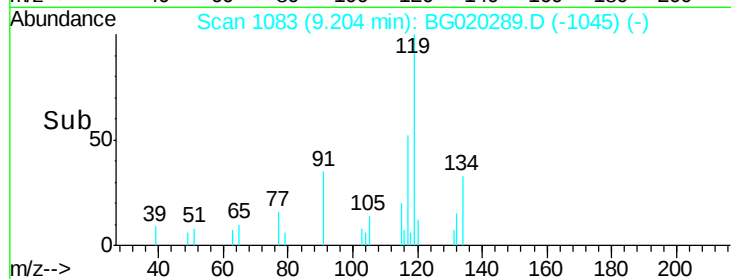
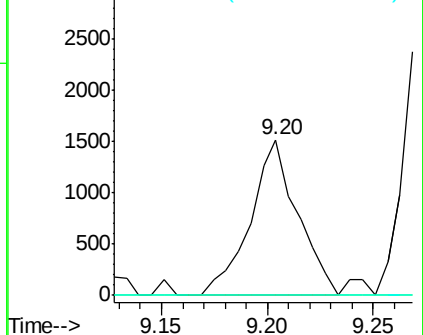
#17
Hexachloroethane
Concen: 4.58 ng/ul
RT: 9.20 min Scan# 1083
Delta R.T. 0.02 min
Lab File: BG020289.D
Acq: 19 Dec 2015 00:07

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion:117 Resp: 2357
Ion Ratio Lower Upper
117 100
201 0.0 102.7 154.1#
199 0.0 65.8 98.8#

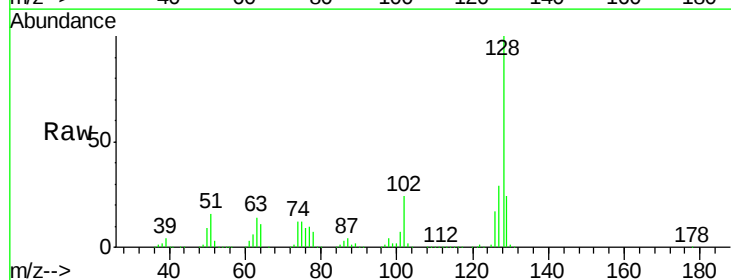


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

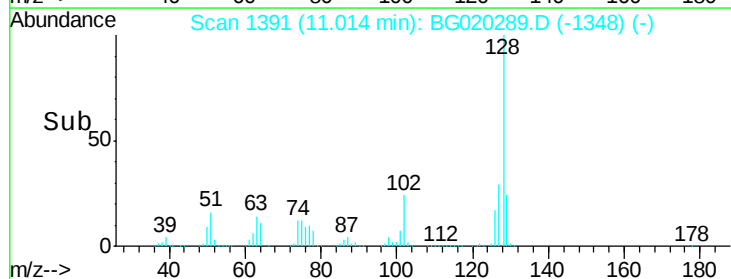
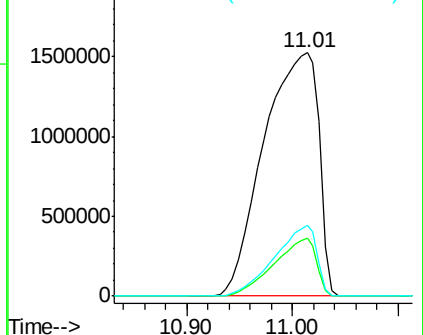


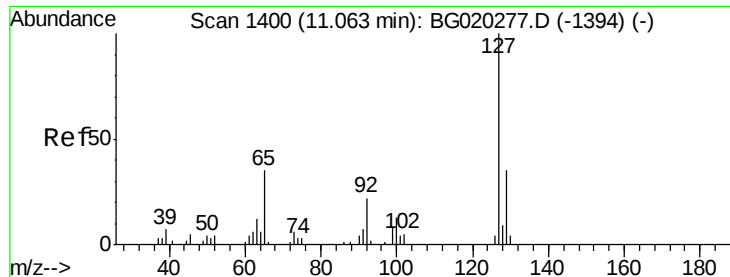
#28
Naphthalene
Concen: 1418.06 ng/ul
RT: 11.01 min Scan# 1391
Delta R.T. 0.05 min
Lab File: BG020289.D
Acq: 19 Dec 2015 00:07

Tgt Ion:128 Resp: 5513439
Ion Ratio Lower Upper
128 100
129 23.8 8.6 12.8#
127 29.0 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

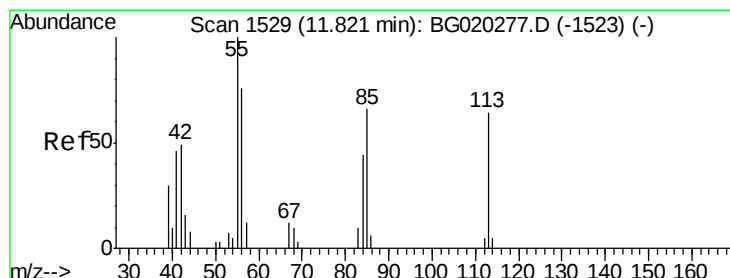
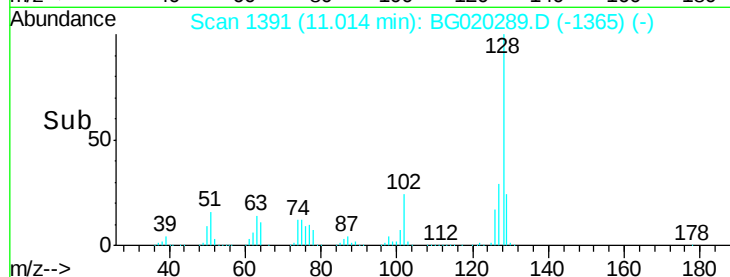
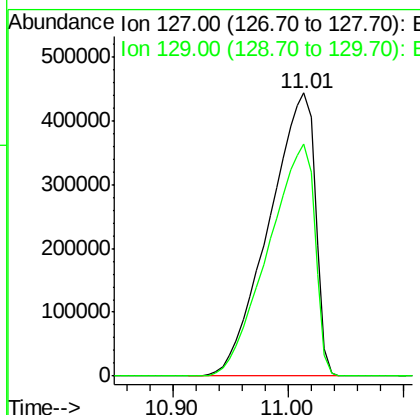
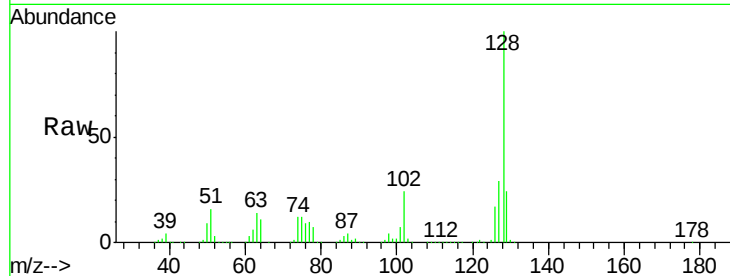




#30
4-Chloroaniline
Concen: 823.89 ng/ul
RT: 11.01 min Scan# 1391
Delta R.T. -0.05 min
Lab File: BG020289.D
Acq: 19 Dec 2015 00:07

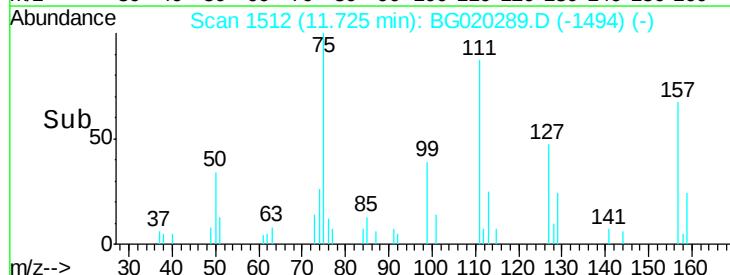
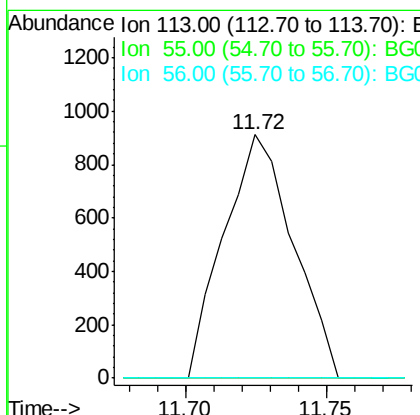
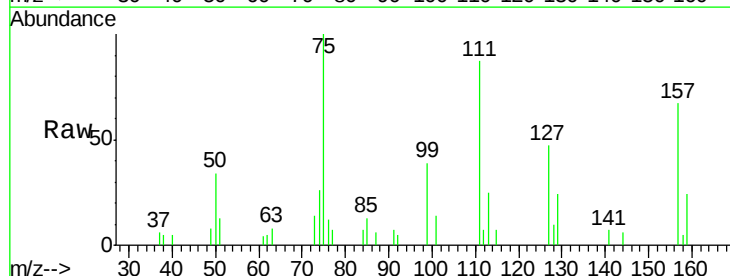
Instrument :
BNA_G
ClientSampleId :
D9N34

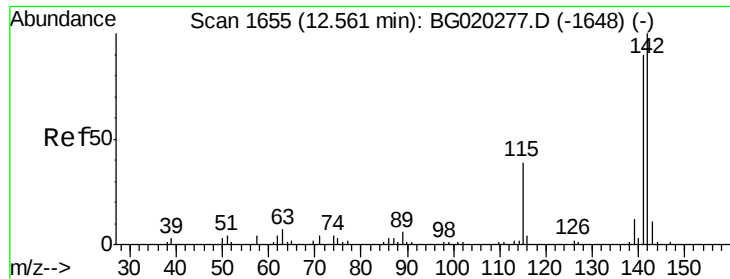
Tgt Ion:127 Resp: 1235841
Ion Ratio Lower Upper
127 100
129 82.1 25.7 38.5#



#32
Caprolactam
Concen: 3.28 ng/ul
RT: 11.72 min Scan# 1512
Delta R.T. -0.10 min
Lab File: BG020289.D
Acq: 19 Dec 2015 00:07

Tgt Ion:113 Resp: 1554
Ion Ratio Lower Upper
113 100
55 0.0 132.1 198.1#
56 0.0 103.3 154.9#

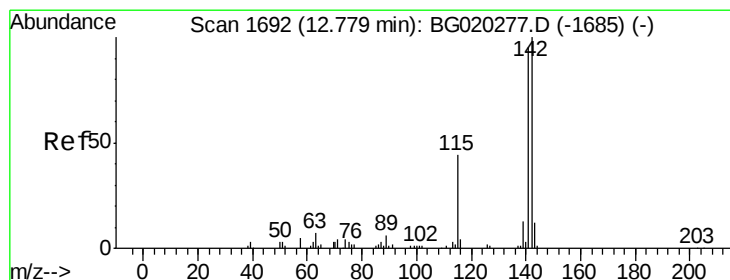
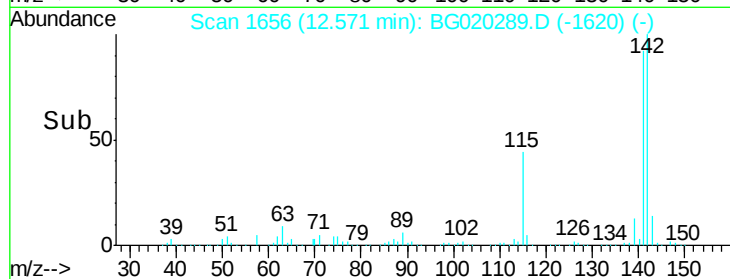
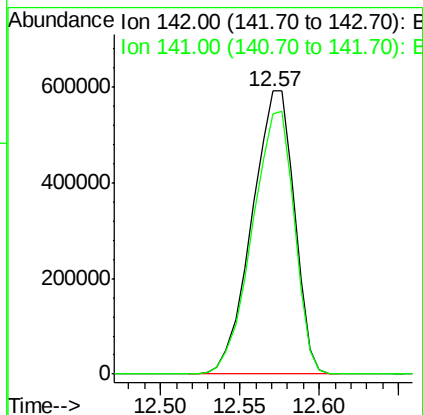
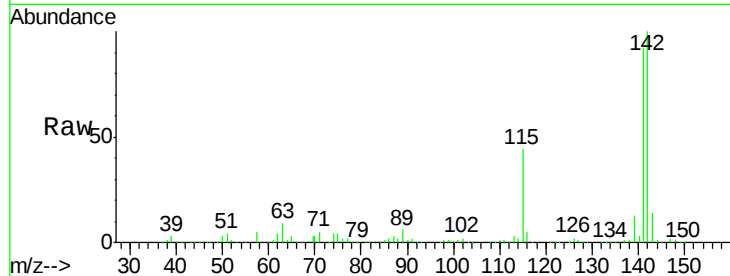




#34
 2-Methylnaphthalene
 Concen: 371.99 ng/ul
 RT: 12.57 min Scan# 1656
 Delta R.T. 0.01 min
 Lab File: BG020289.D
 Acq: 19 Dec 2015 00:07

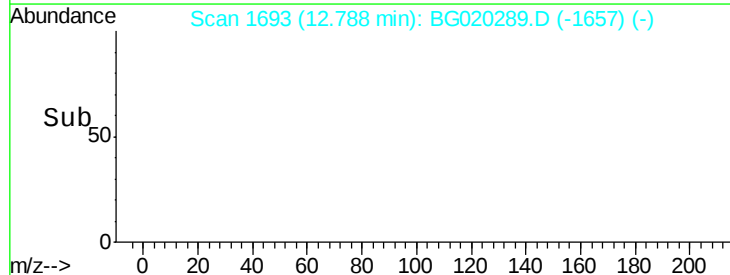
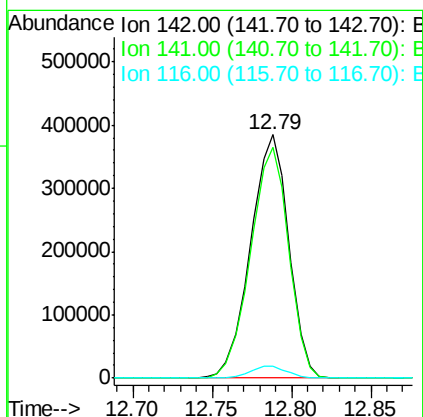
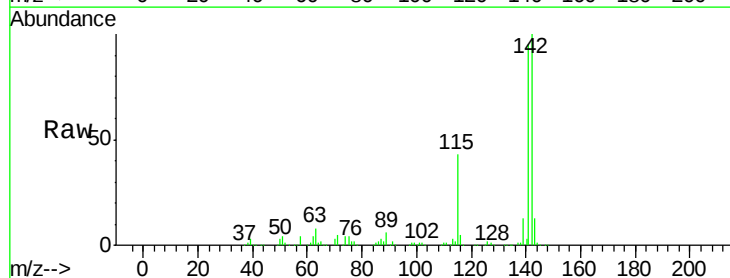
Instrument :
 BNA_G
 ClientSampleId :
 D9N34

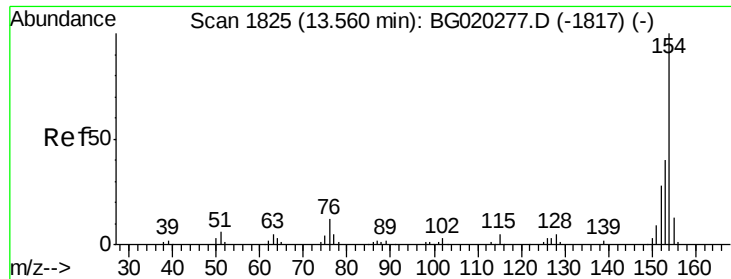
Tgt Ion:142 Resp: 1104742
 Ion Ratio Lower Upper
 142 100
 141 92.0 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 225.46 ng/ul
 RT: 12.79 min Scan# 1693
 Delta R.T. 0.01 min
 Lab File: BG020289.D
 Acq: 19 Dec 2015 00:07

Tgt Ion:142 Resp: 643722
 Ion Ratio Lower Upper
 142 100
 141 94.6 73.0 109.6
 116 4.7 3.0 4.6#

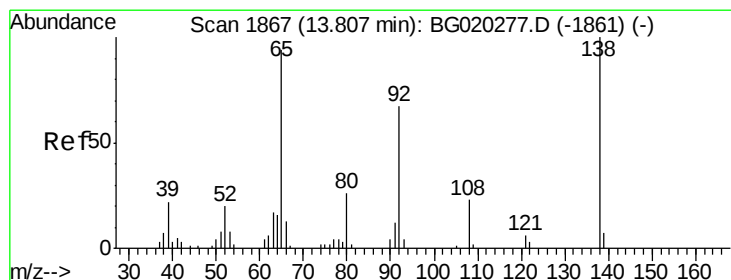
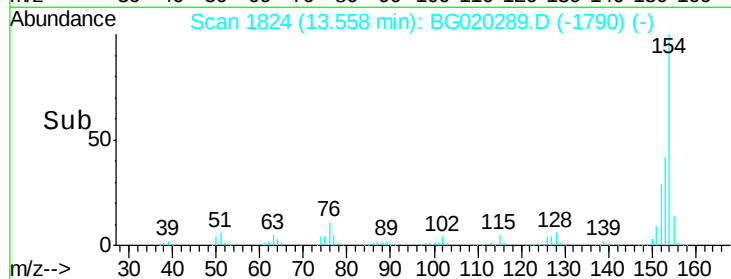
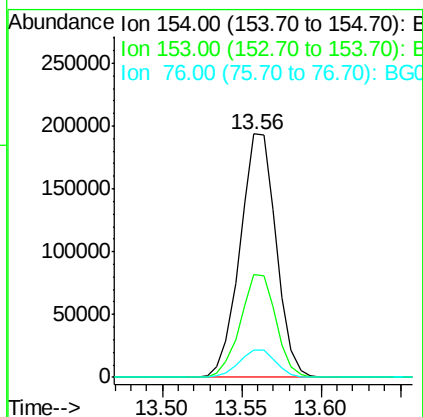
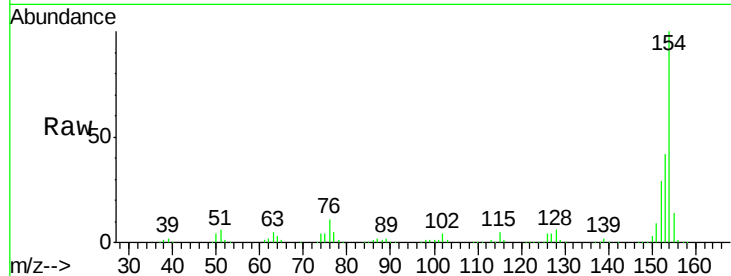




#41
 1,1'-Biphenyl
 Concen: 78.64 ng/ul
 RT: 13.56 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG020289.D
 Acq: 19 Dec 2015 00:07

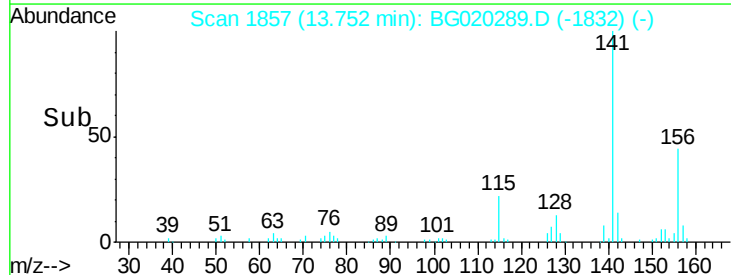
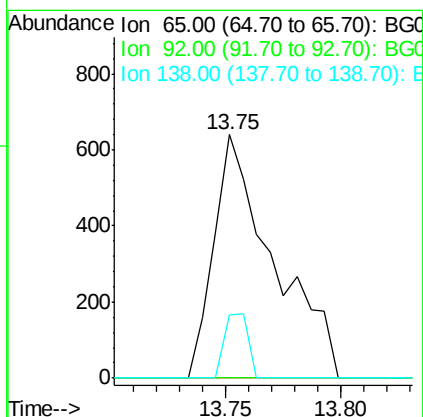
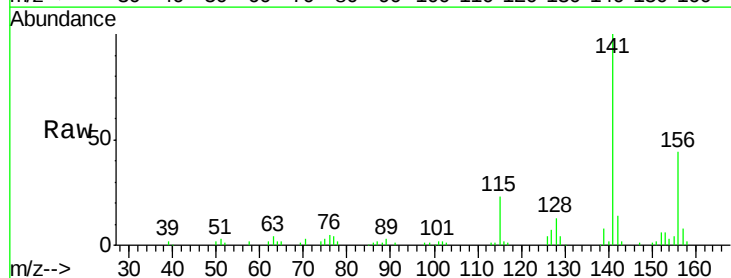
Instrument :
 BNA_G
 ClientSampleId :
 D9N34

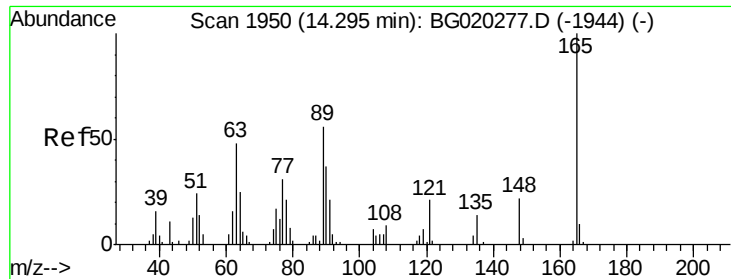
Tgt Ion:154 Resp: 305262
 Ion Ratio Lower Upper
 154 100
 153 42.0 35.5 53.3
 76 11.3 10.4 15.6



#43
 2-Nitroaniline
 Concen: 1.08 ng/ul
 RT: 13.75 min Scan# 1857
 Delta R.T. -0.06 min
 Lab File: BG020289.D
 Acq: 19 Dec 2015 00:07

Tgt Ion: 65 Resp: 1146
 Ion Ratio Lower Upper
 65 100
 92 0.0 53.1 79.7#
 138 25.8 76.6 114.8#

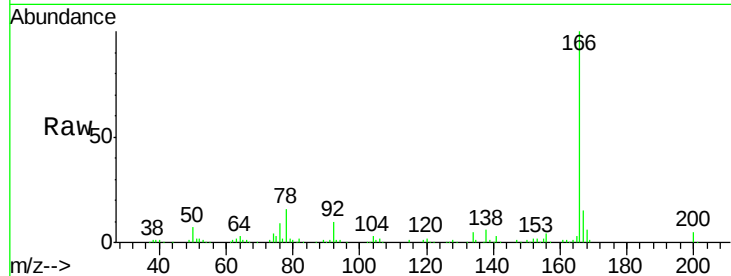




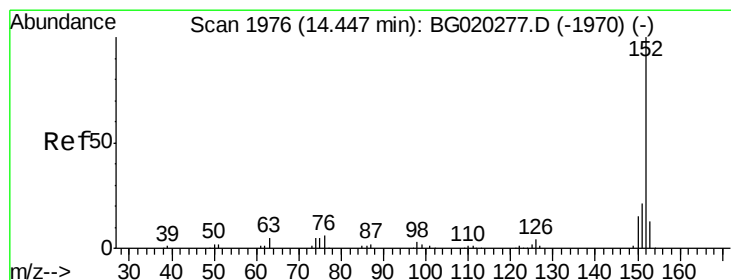
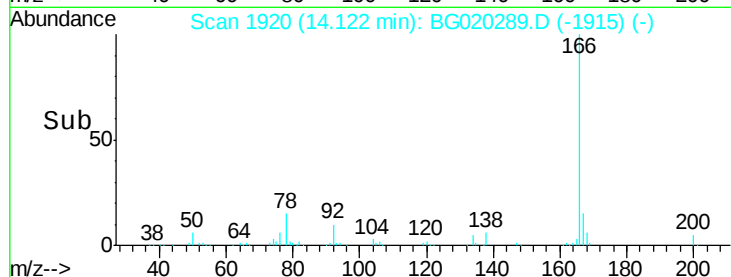
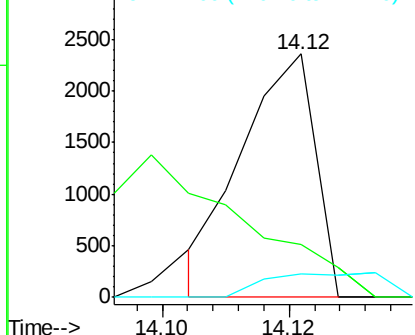
#46
 2,6-Dinitrotoluene
 Concen: 2.14 ng/ul
 RT: 14.12 min Scan# 1920
 Delta R.T. -0.17 min
 Lab File: BG020289.D
 Acq: 19 Dec 2015 00:07

Instrument :
 BNA_G
 ClientSampleId :
 D9N34

Tgt Ion:165 Resp: 1882
 Ion Ratio Lower Upper
 165 100
 89 21.9 47.0 70.4#
 121 9.4 17.0 25.6#

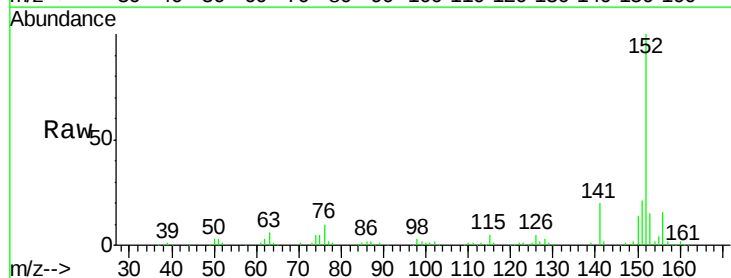


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 89.00 (88.70 to 89.70): BG
 Ion 121.00 (120.70 to 121.70): E

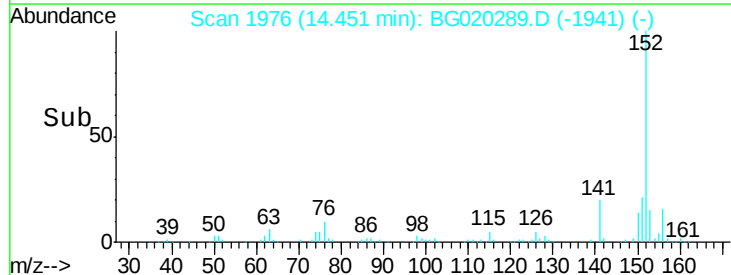
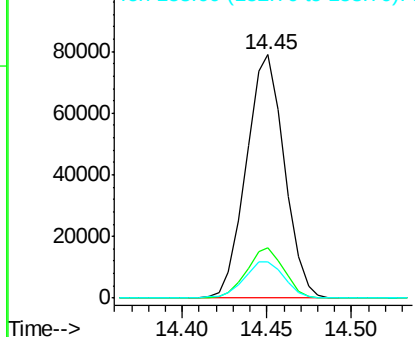


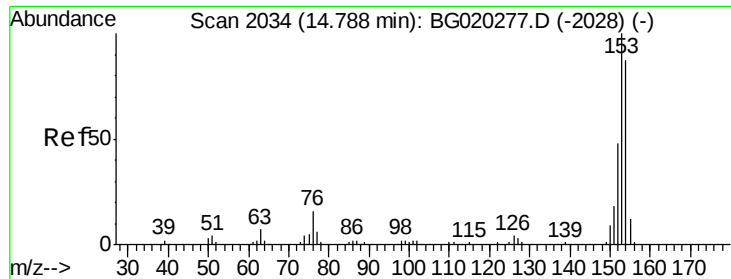
#48
 Acenaphthylene
 Concen: 24.04 ng/ul
 RT: 14.45 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: BG020289.D
 Acq: 19 Dec 2015 00:07

Tgt Ion:152 Resp: 123666
 Ion Ratio Lower Upper
 152 100
 151 20.8 16.4 24.6
 153 15.1 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: 355.63 ng/ul

RT: 14.80 min Scan# 2036

Delta R.T. 0.02 min

Lab File: BG020289.D

Acq: 19 Dec 2015 00:07

Instrument :

BNA_G

ClientSampleId :

D9N34

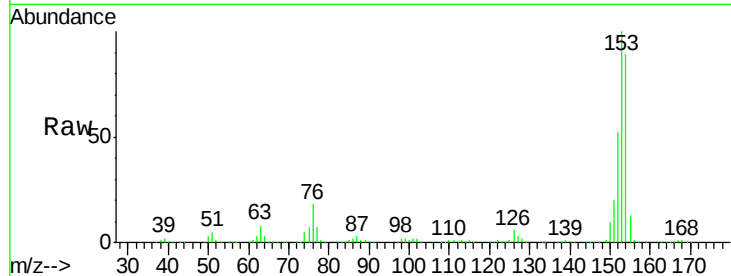
Tgt Ion:153 Resp: 1230880

Ion Ratio Lower Upper

153 100

152 51.9 37.6 56.4

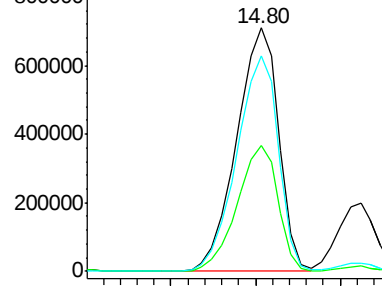
154 88.5 67.9 101.9



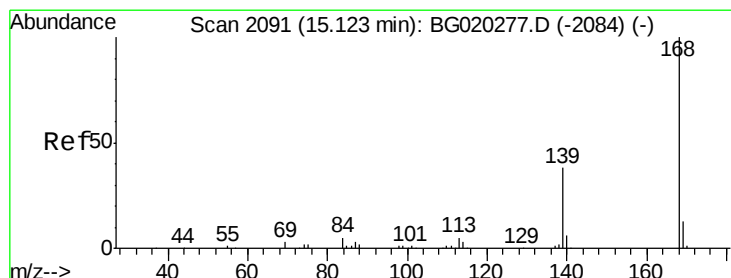
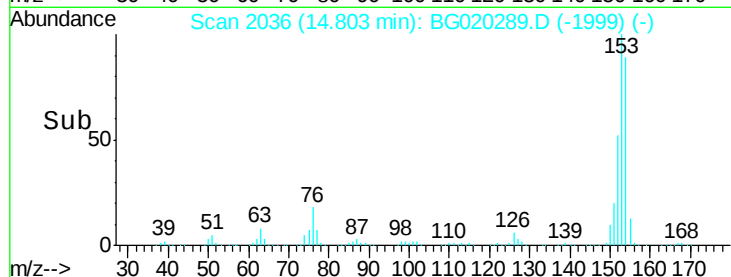
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#54

Dibenzofuran

Concen: 194.22 ng/ul

RT: 15.13 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BG020289.D

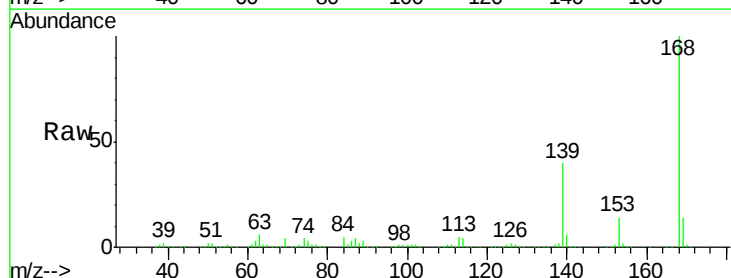
Acq: 19 Dec 2015 00:07

Tgt Ion:168 Resp: 999988

Ion Ratio Lower Upper

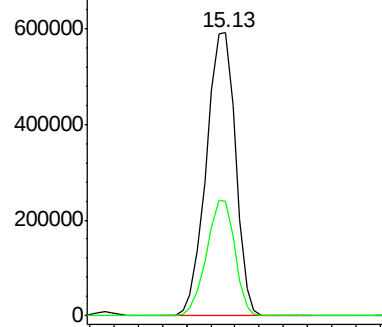
168 100

139 40.4 30.5 45.7

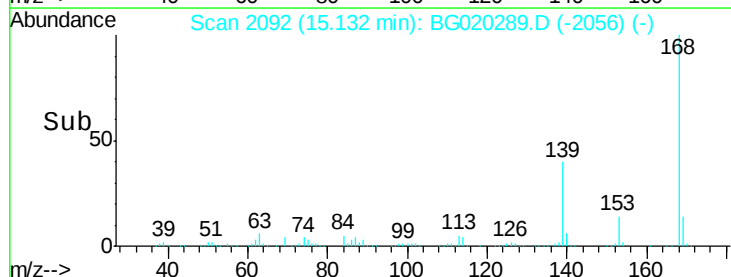


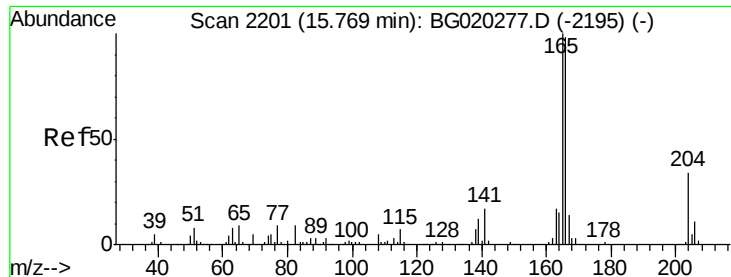
Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->





#59

Fluorene

Concen: 206.65 ng/ul

RT: 15.78 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BG020289.D

Acq: 19 Dec 2015 00:07

Instrument :

BNA_G

ClientSampleId :

D9N34

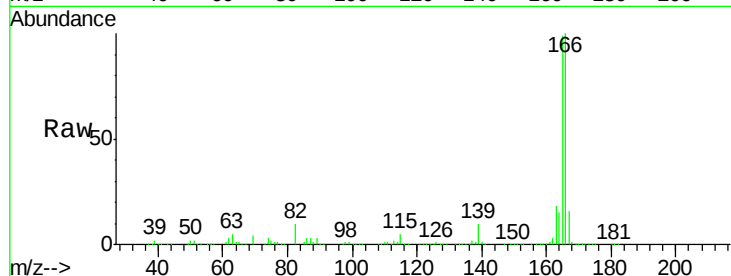
Tgt Ion:166 Resp: 854394

Ion Ratio Lower Upper

166 100

165 98.9 81.4 122.0

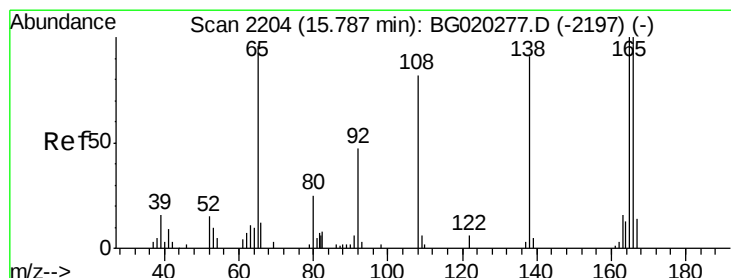
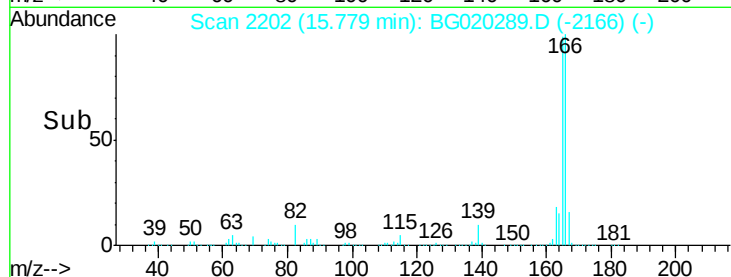
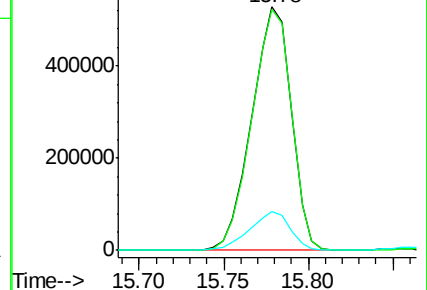
167 15.7 11.2 16.8



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: 12.25 ng/ul

RT: 15.78 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BG020289.D

Acq: 19 Dec 2015 00:07

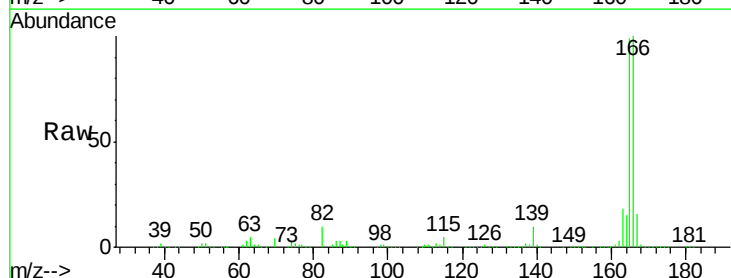
Tgt Ion:138 Resp: 11302

Ion Ratio Lower Upper

138 100

92 0.0 45.2 67.8#

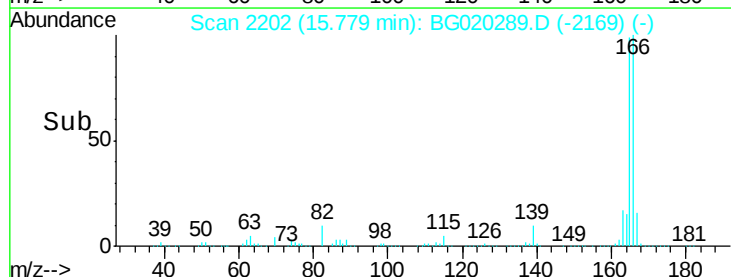
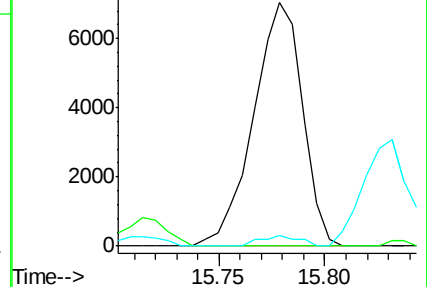
108 4.1 75.4 113.0#

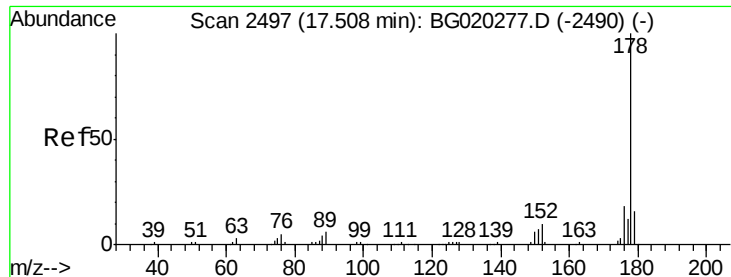


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E

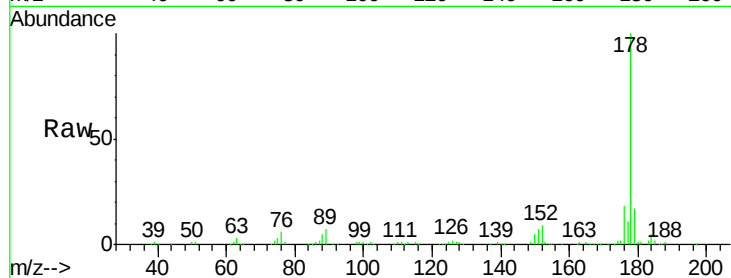




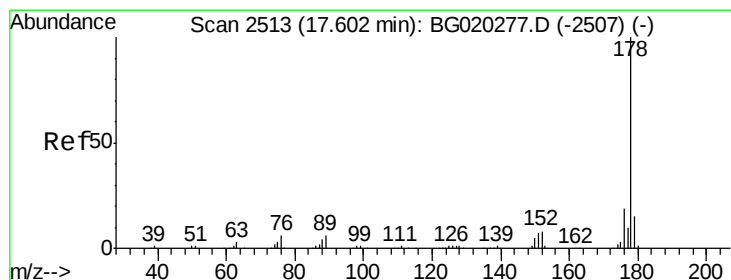
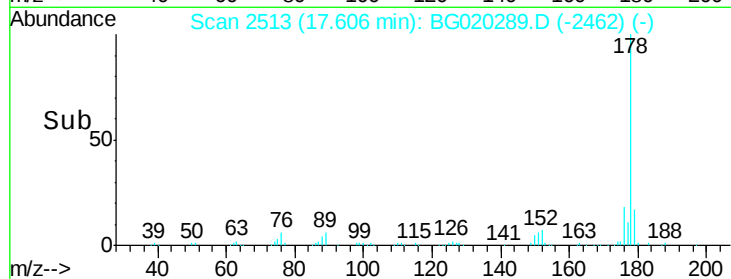
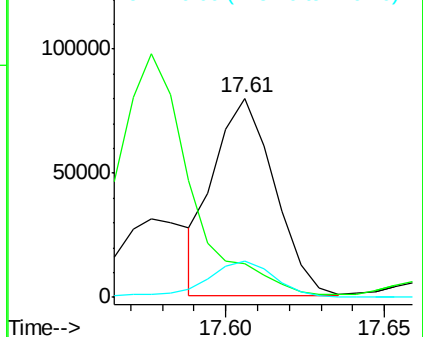
#70
Phenanthrene
Concen: 15.43 ng/ul
RT: 17.61 min Scan# 2513
Delta R.T. 0.10 min
Lab File: BG020289.D
Acq: 19 Dec 2015 00:07

Instrument :
BNA_G
ClientSampleId :
D9N34

Tgt Ion:178 Resp: 105430
Ion Ratio Lower Upper
178 100
179 16.8 12.9 19.3
176 18.5 15.3 22.9

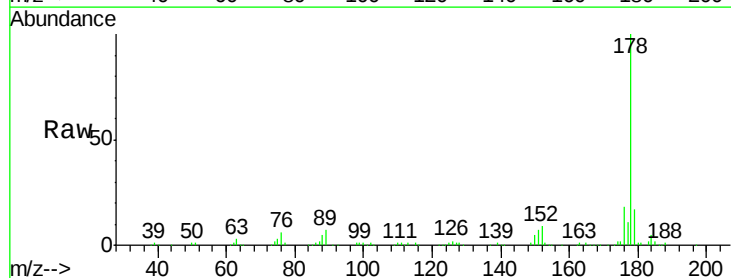


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

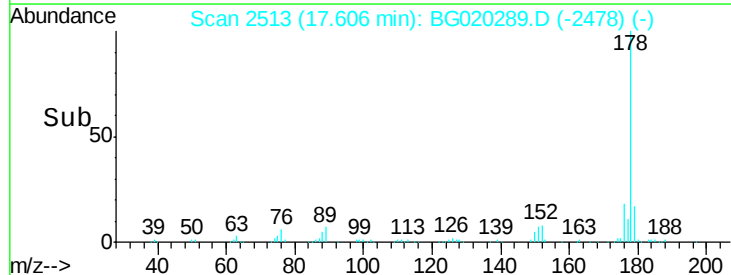
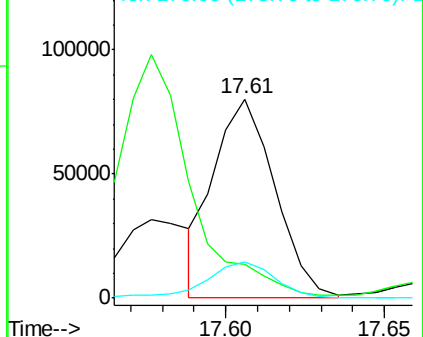


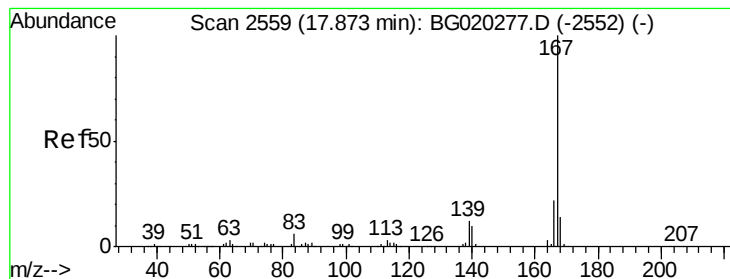
#72
Anthracene
Concen: 15.33 ng/ul
RT: 17.61 min Scan# 2513
Delta R.T. 0.00 min
Lab File: BG020289.D
Acq: 19 Dec 2015 00:07

Tgt Ion:178 Resp: 106223
Ion Ratio Lower Upper
178 100
179 16.8 12.3 18.5
176 18.5 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: 181.77 ng/ul

RT: 17.88 min Scan# 2560

Delta R.T. 0.01 min

Lab File: BG020289.D

Acq: 19 Dec 2015 00:07

Instrument :

BNA_G

ClientSampleId :

D9N34

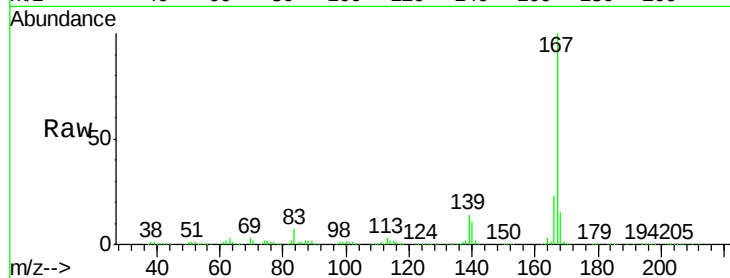
Tgt Ion:167 Resp: 1058293

Ion Ratio Lower Upper

167 100

166 23.1 17.0 25.6

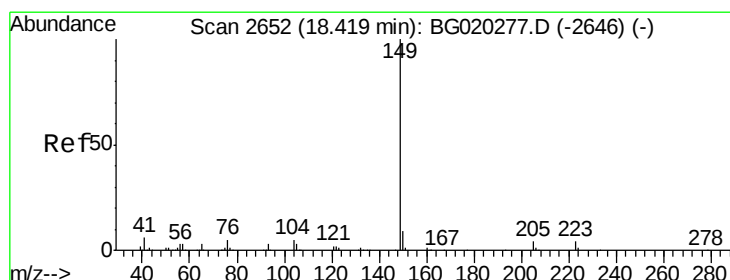
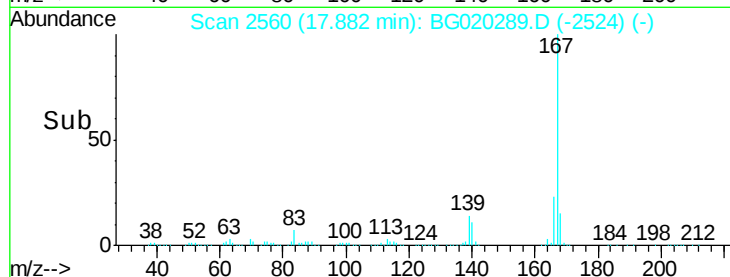
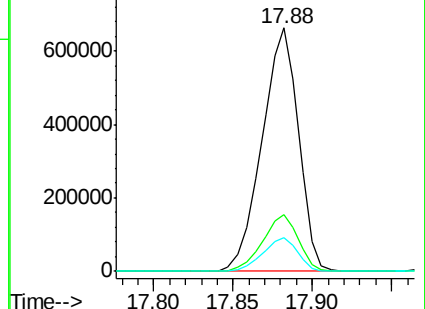
139 13.7 10.1 15.1



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



#76

Di-n-butylphthalate

Concen: 1.18 ng/ul

RT: 18.42 min Scan# 2651

Delta R.T. -0.00 min

Lab File: BG020289.D

Acq: 19 Dec 2015 00:07

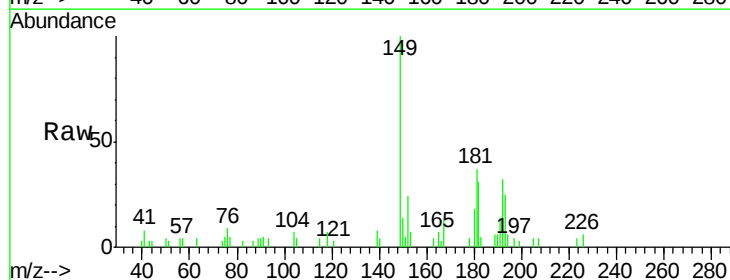
Tgt Ion:149 Resp: 8008

Ion Ratio Lower Upper

149 100

150 14.0 7.7 11.5#

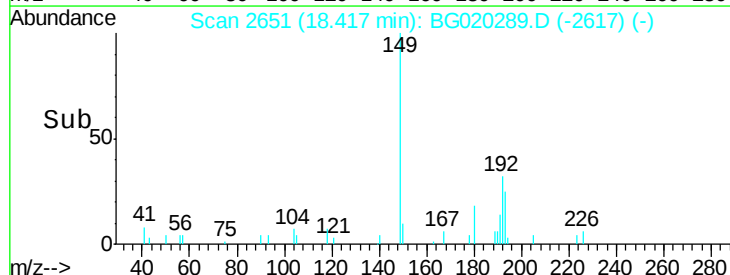
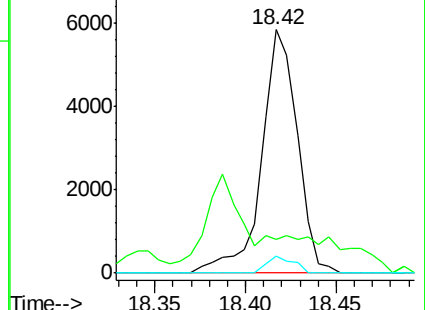
104 7.2 4.2 6.4#

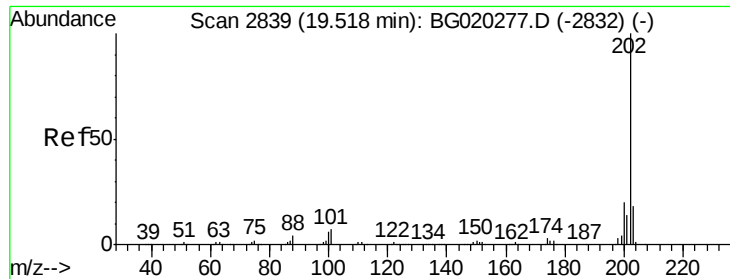


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

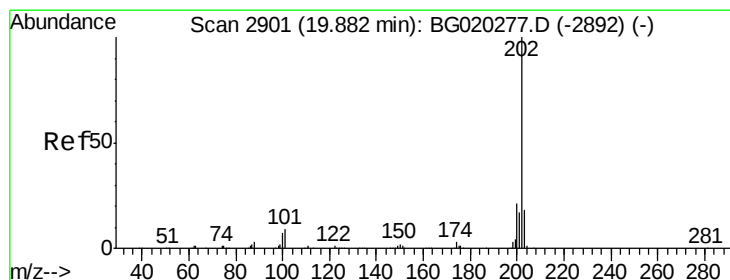
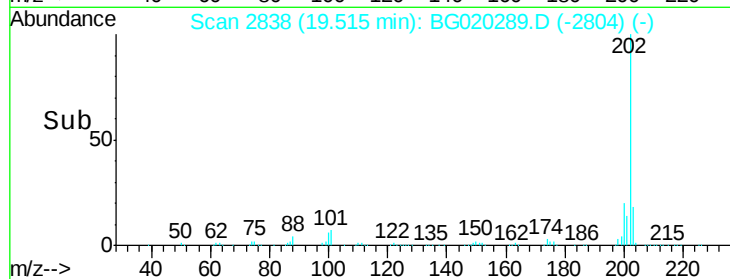
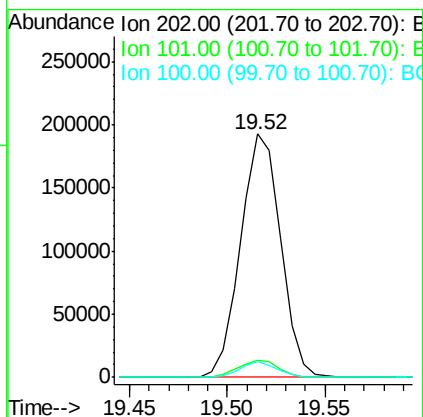
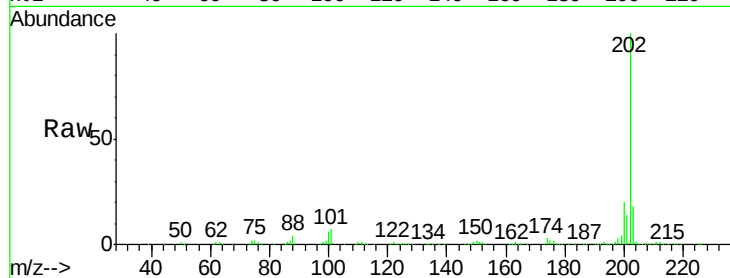




#77
Fluoranthene
 Concen: 34.26 ng/ul
 RT: 19.52 min Scan# 2838
 Delta R.T. -0.00 min
 Lab File: BG020289.D
 Acq: 19 Dec 2015 00:07

Instrument :
 BNA_G
 ClientSampleId :
 D9N34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.9	6.2	9.4
100	6.3	5.1	7.7



#80
Pyrene
 Concen: 14.67 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: BG020289.D
 Acq: 19 Dec 2015 00:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.6	7.0	10.4
100	7.8	6.4	9.6

