

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121915\
 Data File : BG020299.D
 Acq On : 19 Dec 2015 6:48
 Operator : UM/SJ
 Sample : G4768-19
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N43

Quant Time: Dec 20 03:23:52 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 19 04:52:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	20315	20.00	ng/ul	0.00
18) Naphthalene-d8	10.93	136	85940	20.00	ng/ul	0.01
36) Acenaphthene-d10	14.73	164	59100	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	142157	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	187115	20.00	ng/ul	0.00
86) Perylene-d12	25.02	264	175646	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.47	96	646	1.76	ng/uL	0.00
5) Phenol-d5	7.24	99	16633	9.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	34708	32.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	37445	28.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	28500	18.60	ng/ul	0.00
19) Nitrobenzene-d5	9.26	128	23682	35.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.99	143	27026	36.25	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.53	165	47112	31.20	ng/ul	0.00
29) 4-Chloroaniline-d4	11.05	131	955	0.56	ng/ul	0.00
44) Dimethylphthalate-d6	14.13	166	164354	34.38	ng/ul	0.00
47) Acenaphthylene-d8	14.42	160	192960	34.69	ng/ul	0.00
52) 4-Nitrophenol-d4	14.92	143	8521	9.94	ng/ul	0.00
58) Fluorene-d10	15.71	176	148168	34.17	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.83	200	25287	30.01	ng/ul	0.00
71) Anthracene-d10	17.57	188	231875	35.40	ng/ul	0.00
79) Pyrene-d10	19.85	212	278688	31.96	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.79	264	304115	34.71	ng/ul	0.00

Target Compounds

						Qvalue
11) 2-Methylphenol	8.53	108	2553	1.74	ng/ul	95
14) Acetophenone	8.91	105	2697	1.12	ng/ul#	82
16) 4-Methylphenol	8.86	108	4899	3.02	ng/ul	86
17) Hexachloroethane	9.21	117	1192	2.08	ng/ul#	1
24) 2,4-Dimethylphenol	10.07	107	8404	4.63	ng/ul	96
28) Naphthalene	11.01	128	5093901	1135.02	ng/ul#	64
30) 4-Chloroaniline	11.01	127	1107425	639.59	ng/ul#	13
32) Caprolactam	11.73	113	1737	3.17	ng/ul#	1
34) 2-Methylnaphthalene	12.57	142	1038319	302.89	ng/ul	98
35) 1-Methylnaphthalene	12.79	142	600999	182.36	ng/ul	95
41) 1,1'-Biphenyl	13.56	154	342939	76.91	ng/ul	97
48) Acenaphthylene	14.45	152	196088	33.19	ng/ul	98
50) Acenaphthene	14.80	153	1401568	352.54	ng/ul	94
54) Dibenzofuran	15.13	168	1162859	196.62	ng/ul	94
59) Fluorene	15.78	166	945034	198.99	ng/ul	98
61) 4-Nitroaniline	15.78	138	12628	11.91	ng/ul#	14
70) Phenanthrene	17.61	178	117332	15.09	ng/ul	98
72) Anthracene	17.61	178	117721	14.93	ng/ul	98
75) Carbazole	17.88	167	1348429	203.48	ng/ul	93
77) Fluoranthene	19.52	202	297362	32.72	ng/ul	99
80) Pyrene	19.88	202	172644	15.24	ng/ul	97

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 19 04:52:13 2015
Response via : Initial Calibration

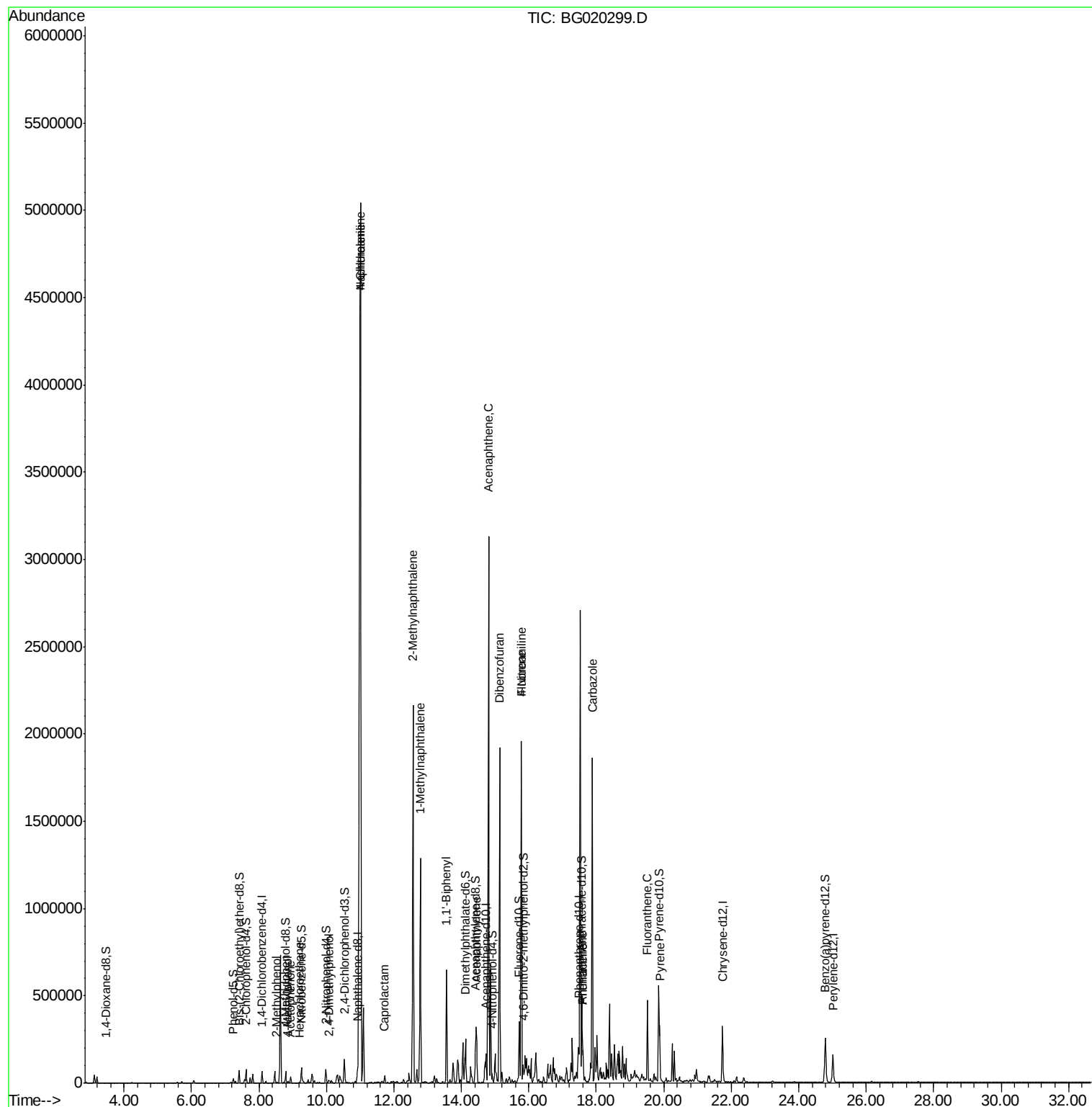
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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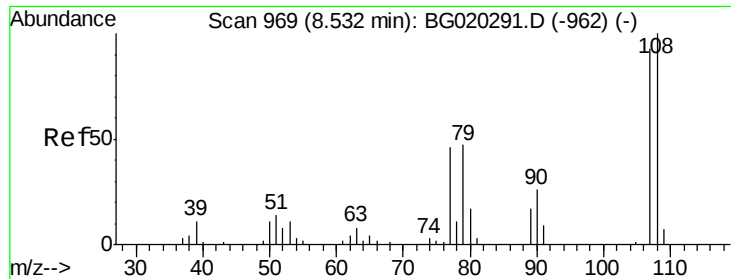
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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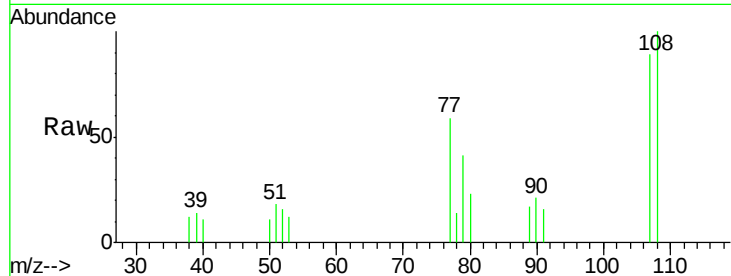




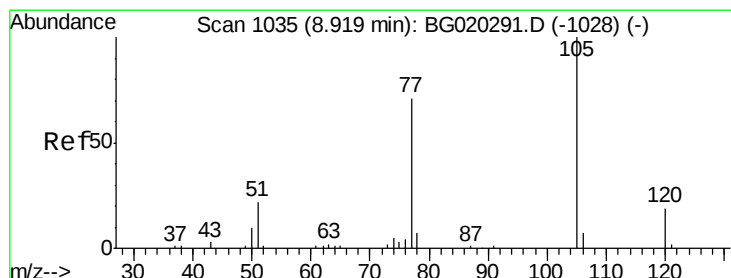
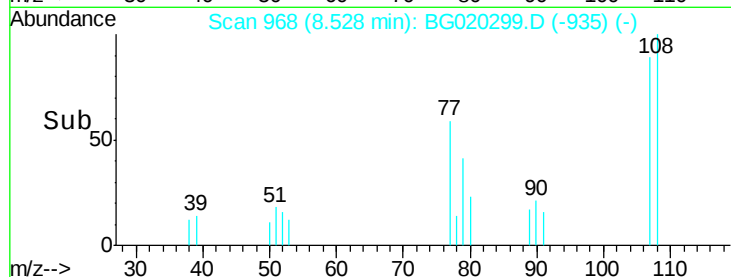
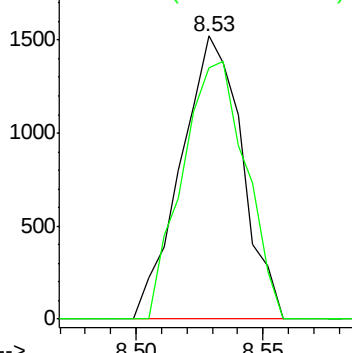
#11
2-Methylphenol
Concen: 1.74 ng/ul
RT: 8.53 min Scan# 968
Delta R.T. -0.00 min
Lab File: BG020299.D
Acq: 19 Dec 2015 6:48

Instrument :
BNA_G
ClientSampleId :
D9N43

Tgt Ion:108 Resp: 2553
Ion Ratio Lower Upper
108 100
107 88.6 67.5 101.3

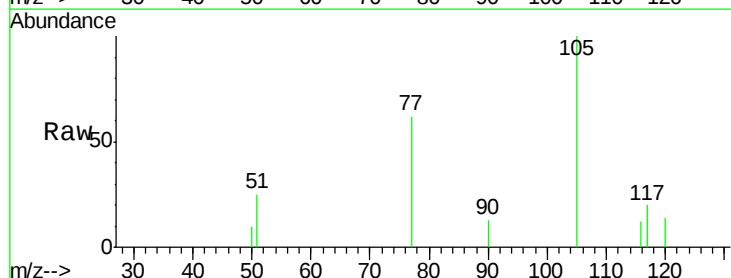


Abundance Ion 108.00 (107.70 to 108.70): E
Ion 107.00 (106.70 to 107.70): E

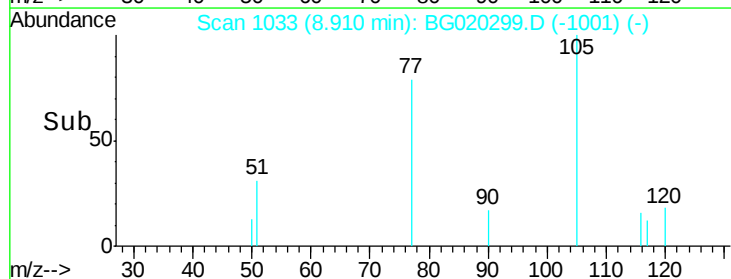
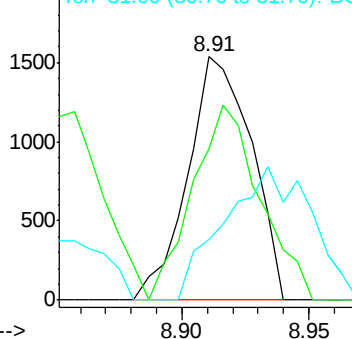


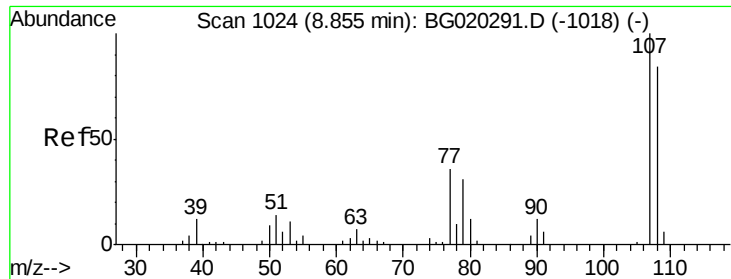
#14
Acetophenone
Concen: 1.12 ng/ul
RT: 8.91 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BG020299.D
Acq: 19 Dec 2015 6:48

Tgt Ion:105 Resp: 2697
Ion Ratio Lower Upper
105 100
77 62.4 65.2 97.8#
51 24.7 22.6 33.8



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG
Ion 51.00 (50.70 to 51.70): BG

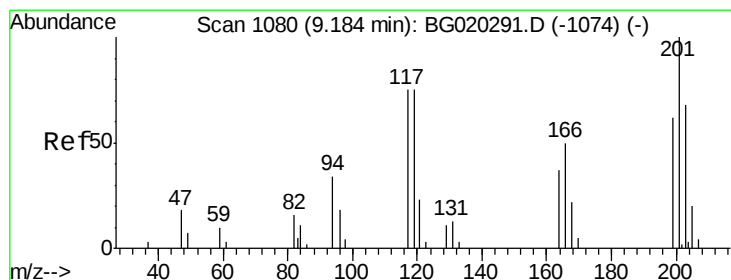
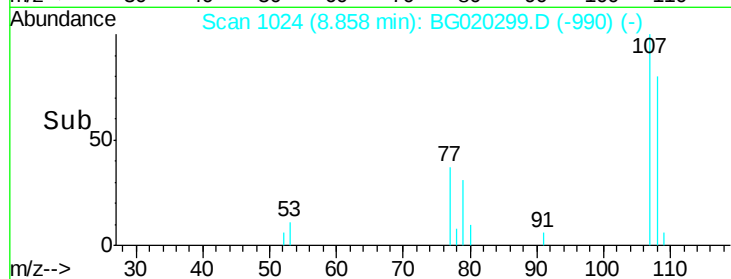
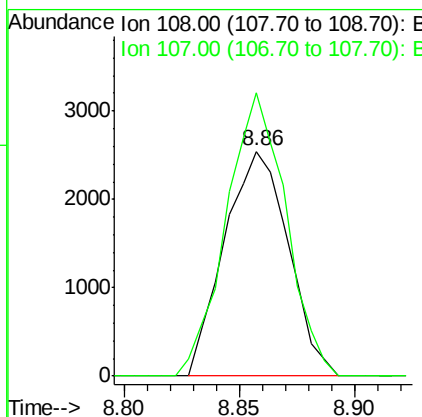
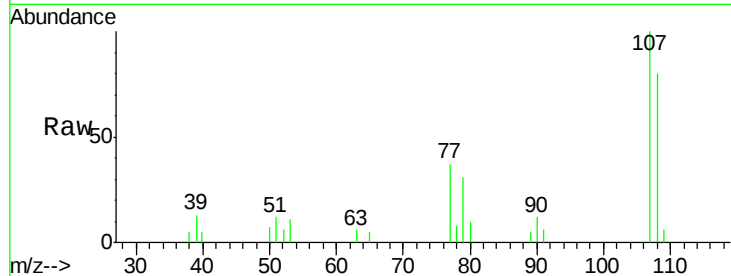




#16
4-Methylphenol
Concen: 3.02 ng/ul
RT: 8.86 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BG020299.D
Acq: 19 Dec 2015 6:48

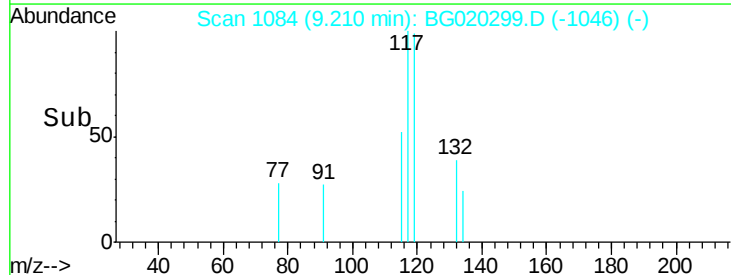
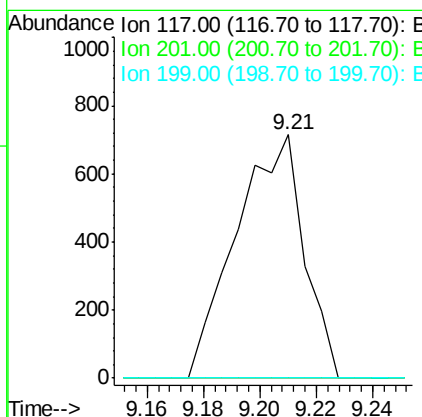
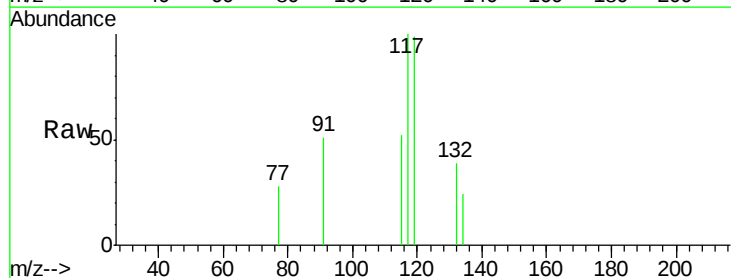
Instrument :
BNA_G
ClientSampleId :
D9N43

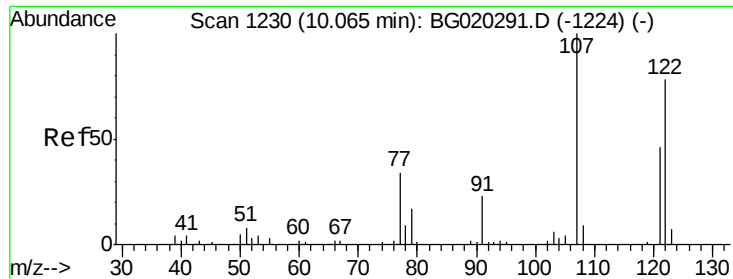
Tgt Ion:108 Resp: 4899
Ion Ratio Lower Upper
108 100
107 125.8 88.9 133.3



#17
Hexachloroethane
Concen: 2.08 ng/ul
RT: 9.21 min Scan# 1084
Delta R.T. 0.03 min
Lab File: BG020299.D
Acq: 19 Dec 2015 6:48

Tgt Ion:117 Resp: 1192
Ion Ratio Lower Upper
117 100
201 0.0 102.7 154.1#
199 0.0 65.8 98.8#

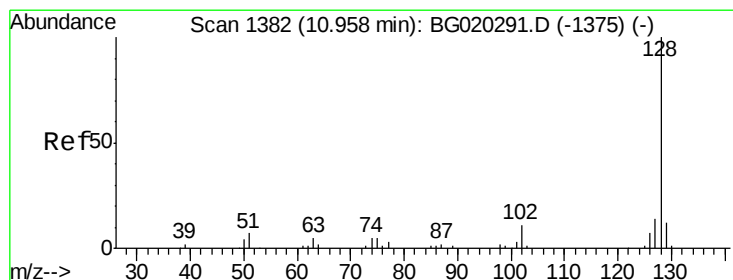
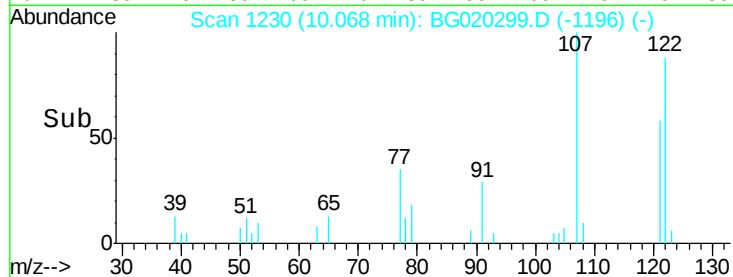
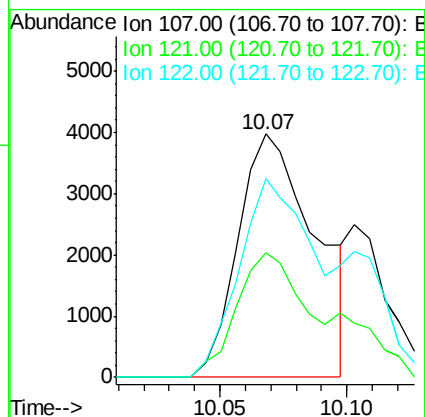
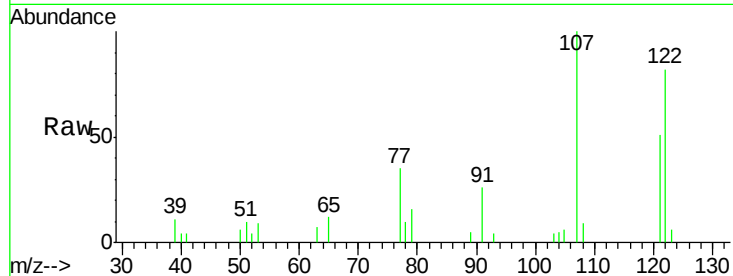




#24
2,4-Dimethylphenol
Concen: 4.63 ng/ul
RT: 10.07 min Scan# 1230
Delta R.T. 0.00 min
Lab File: BG020299.D
Acq: 19 Dec 2015 6:48

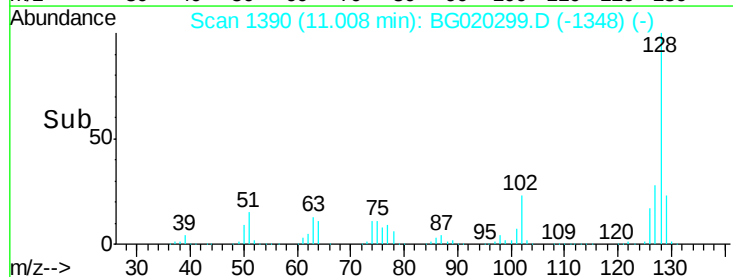
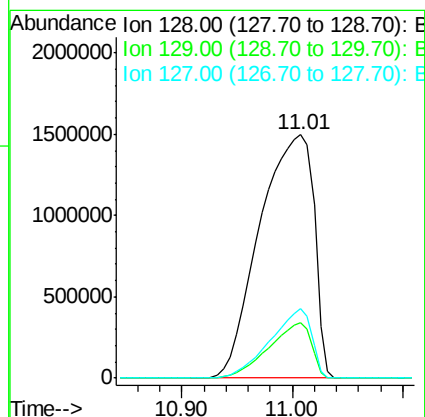
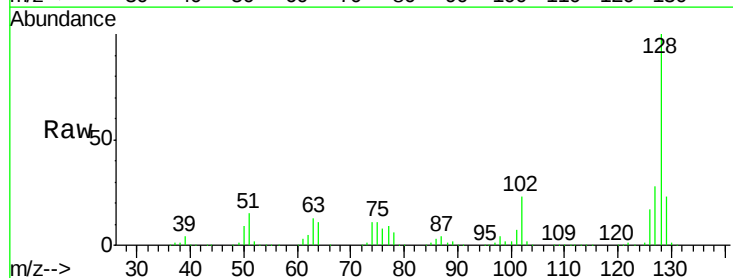
Instrument :
BNA_G
ClientSampleId :
D9N43

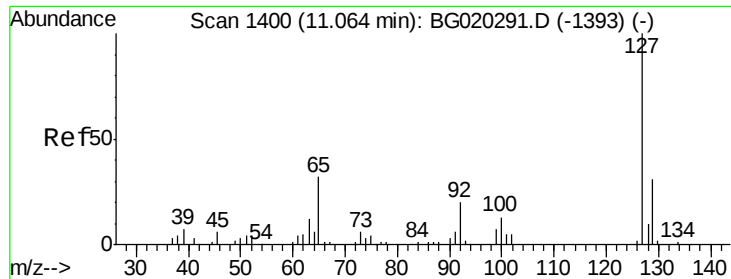
Tgt Ion:107 Resp: 8404
Ion Ratio Lower Upper
107 100
121 51.0 39.0 58.4
122 81.9 62.1 93.1



#28
Naphthalene
Concen: 1135.02 ng/ul
RT: 11.01 min Scan# 1390
Delta R.T. 0.05 min
Lab File: BG020299.D
Acq: 19 Dec 2015 6:48

Tgt Ion:128 Resp: 5093901
Ion Ratio Lower Upper
128 100
129 22.8 8.6 12.8#
127 28.3 10.1 15.1#

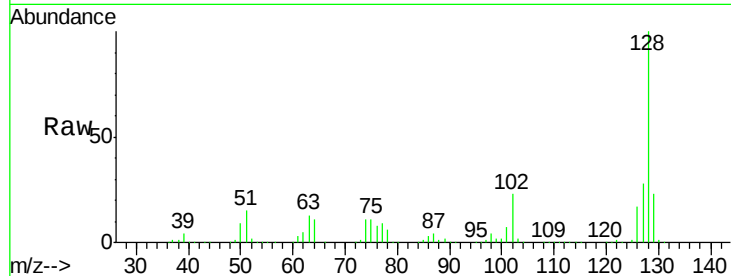




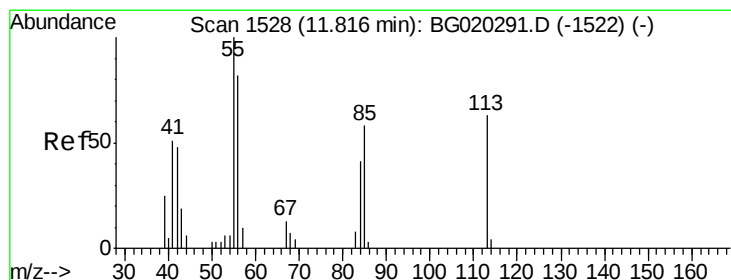
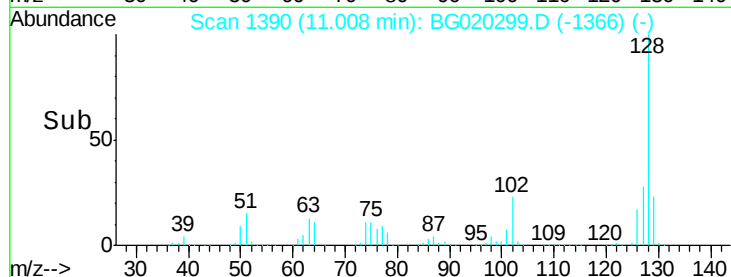
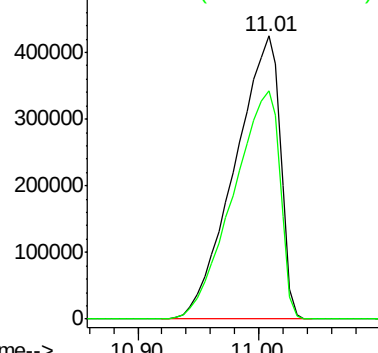
#30
4-Chloroaniline
Concen: 639.59 ng/ul
RT: 11.01 min Scan# 1390
Delta R.T. -0.06 min
Lab File: BG020299.D
Acq: 19 Dec 2015 6:48

Instrument :
BNA_G
ClientSampleId :
D9N43

Tgt Ion:127 Resp: 1107425
Ion Ratio Lower Upper
127 100
129 80.5 25.7 38.5#

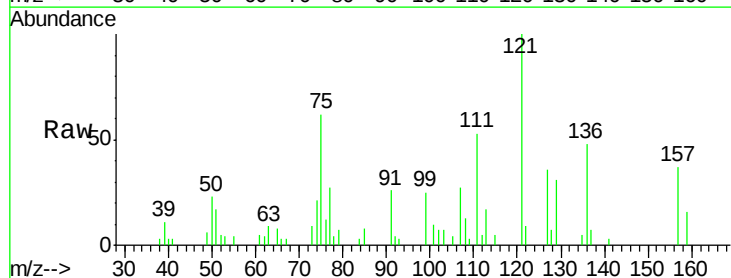


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

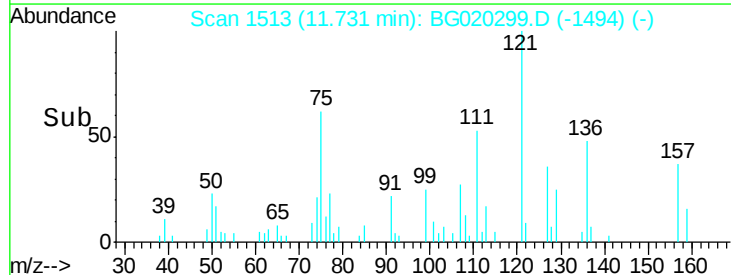
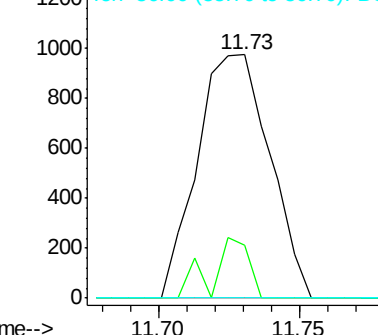


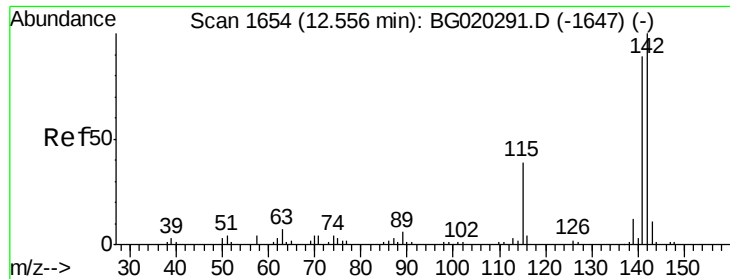
#32
Caprolactam
Concen: 3.17 ng/ul
RT: 11.73 min Scan# 1513
Delta R.T. -0.09 min
Lab File: BG020299.D
Acq: 19 Dec 2015 6:48

Tgt Ion:113 Resp: 1737
Ion Ratio Lower Upper
113 100
55 21.7 132.1 198.1#
56 0.0 103.3 154.9#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BG0
Ion 56.00 (55.70 to 56.70): BG0

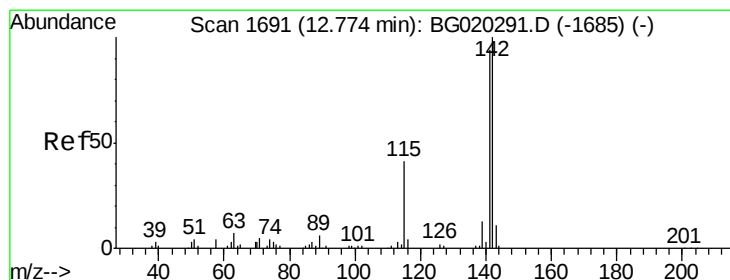
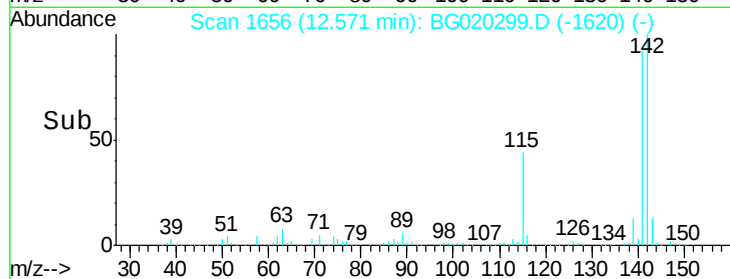
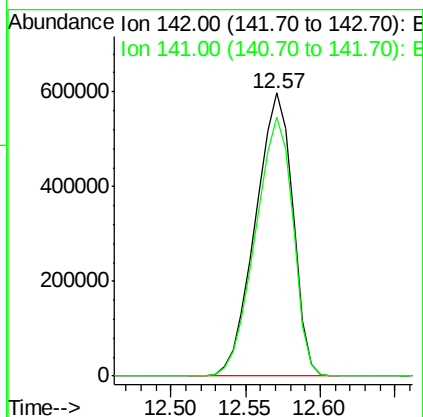
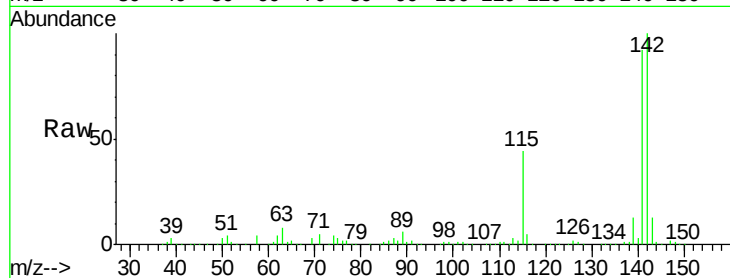




#34
 2-Methylnaphthalene
 Concen: 302.89 ng/ul
 RT: 12.57 min Scan# 1656
 Delta R.T. 0.01 min
 Lab File: BG020299.D
 Acq: 19 Dec 2015 6:48

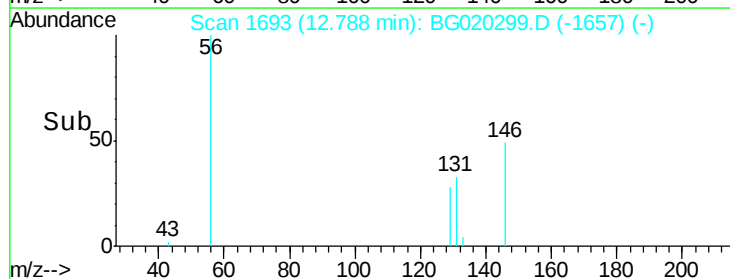
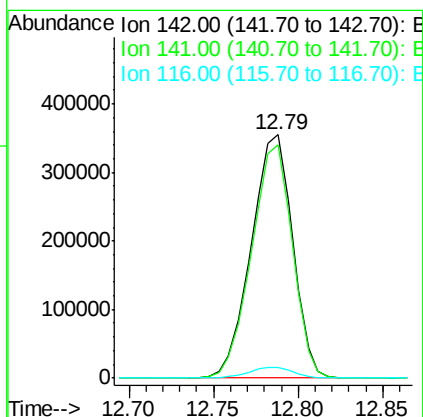
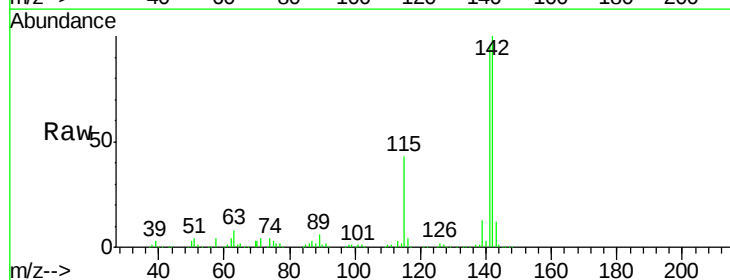
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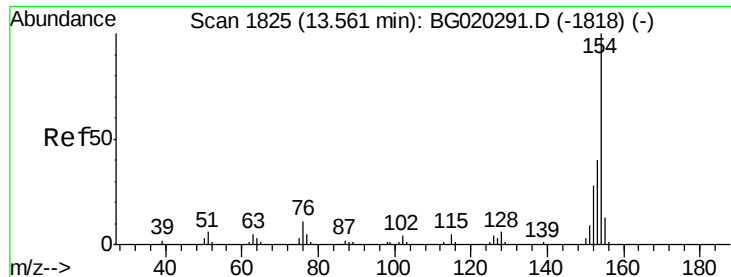
Tgt Ion:142 Resp: 1038319
 Ion Ratio Lower Upper
 142 100
 141 91.6 74.9 112.3



#35
 1-Methylnaphthalene
 Concen: 182.36 ng/ul
 RT: 12.79 min Scan# 1693
 Delta R.T. 0.01 min
 Lab File: BG020299.D
 Acq: 19 Dec 2015 6:48

Tgt Ion:142 Resp: 600999
 Ion Ratio Lower Upper
 142 100
 141 96.1 73.0 109.6
 116 4.5 3.0 4.6

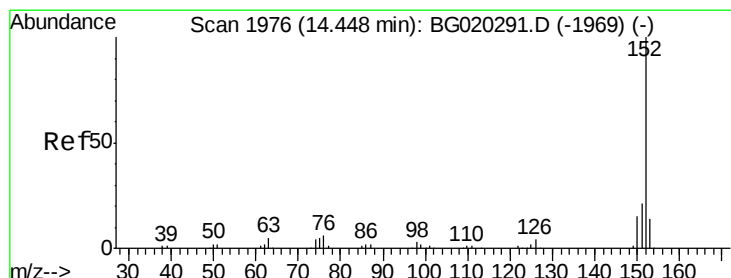
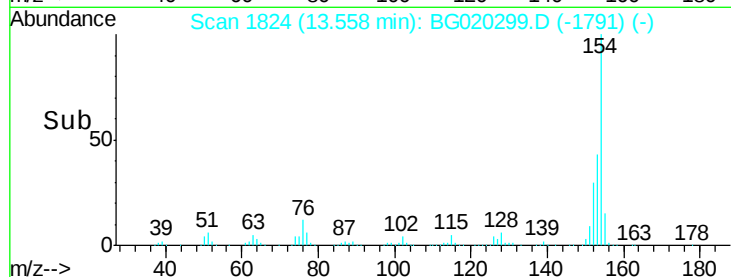
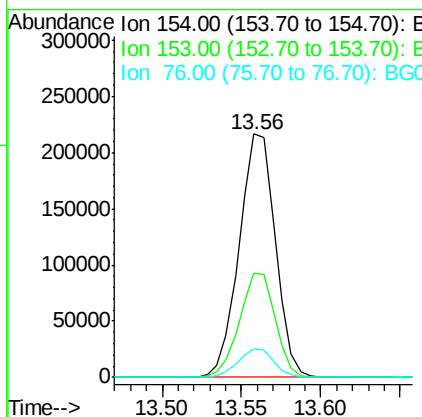
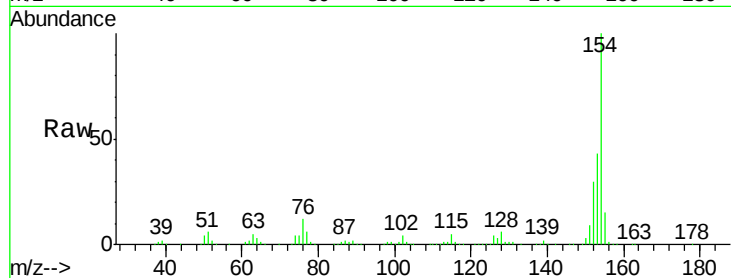




#41
 1,1'-Biphenyl
 Concen: 76.91 ng/ul
 RT: 13.56 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BG020299.D
 Acq: 19 Dec 2015 6:48

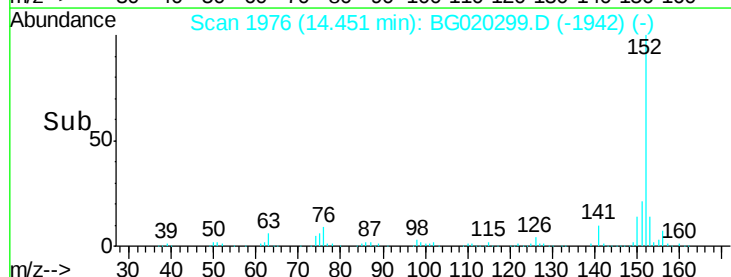
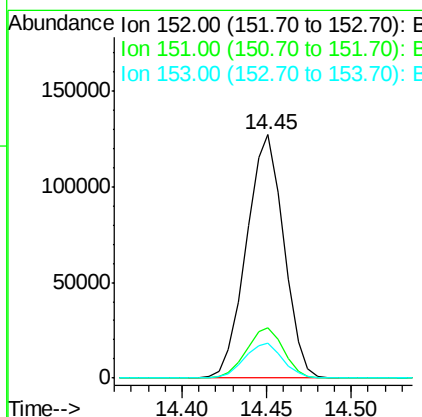
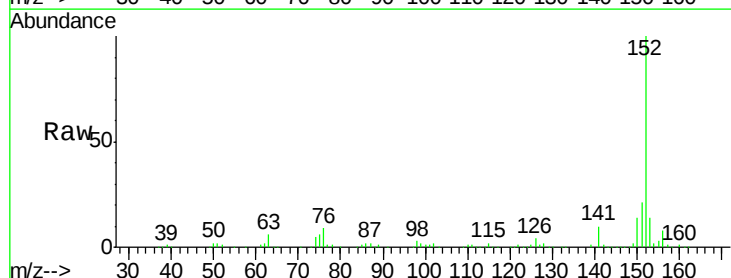
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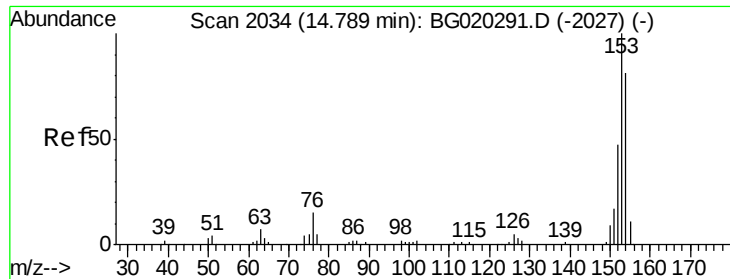
Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.8	35.5	53.3
76	11.5	10.4	15.6



#48
 Acenaphthylene
 Concen: 33.19 ng/ul
 RT: 14.45 min Scan# 1976
 Delta R.T. 0.00 min
 Lab File: BG020299.D
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Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.4	24.6
153	14.4	10.4	15.6





#50

Acenaphthene

Concen: 352.54 ng/ul

RT: 14.80 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BG020299.D

Acq: 19 Dec 2015 6:48

Instrument :

BNA_G

ClientSampleId :

D9N43

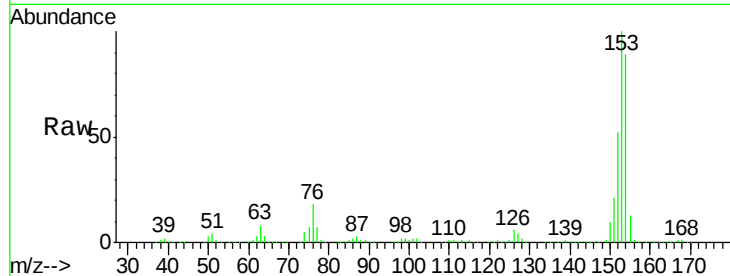
Tgt Ion:153 Resp: 1401568

Ion Ratio Lower Upper

153 100

152 52.4 37.6 56.4

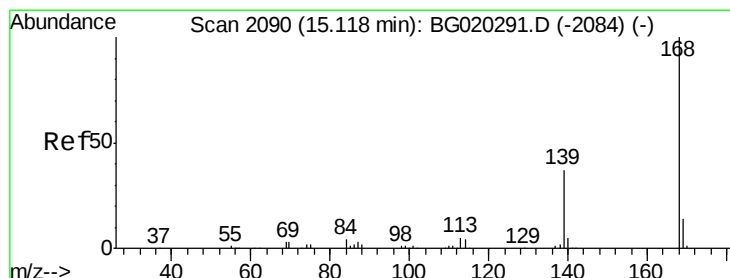
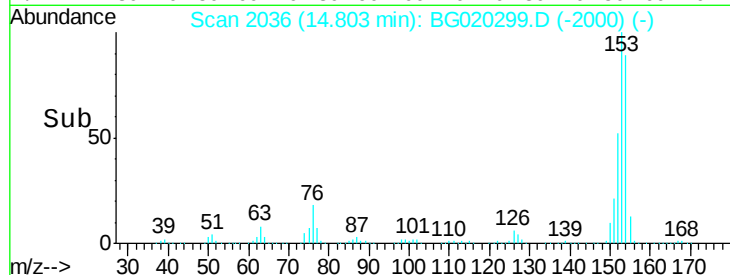
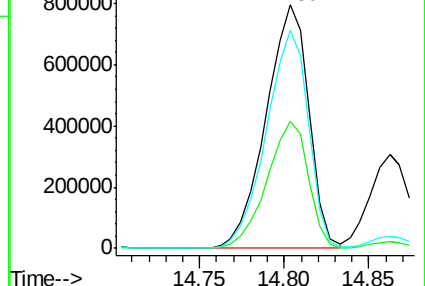
154 89.4 67.9 101.9



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: 196.62 ng/ul

RT: 15.13 min Scan# 2092

Delta R.T. 0.01 min

Lab File: BG020299.D

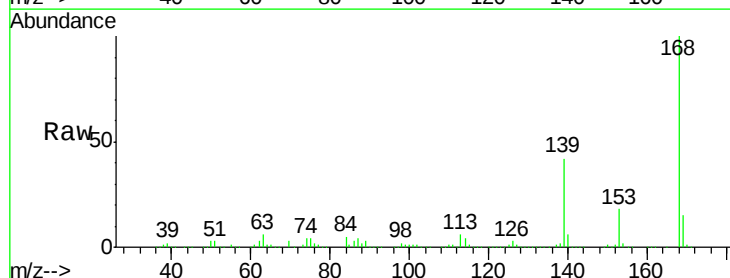
Acq: 19 Dec 2015 6:48

Tgt Ion:168 Resp: 1162859

Ion Ratio Lower Upper

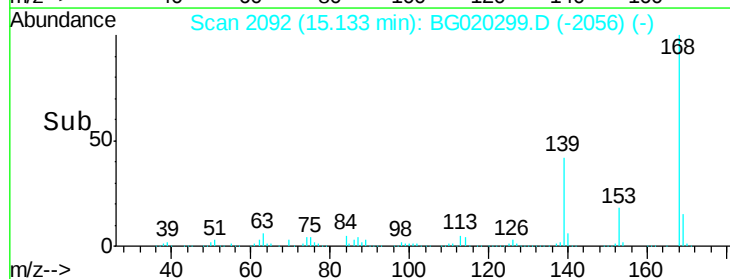
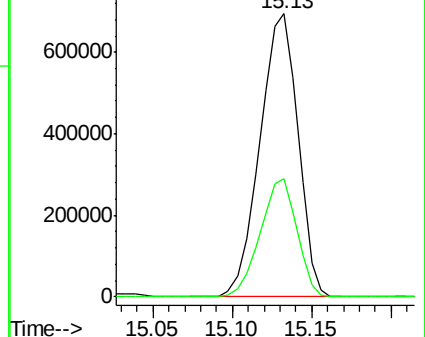
168 100

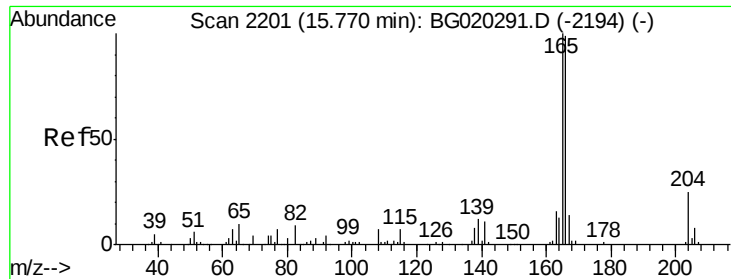
139 42.0 30.5 45.7



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#59

Fluorene

Concen: 198.99 ng/ul

RT: 15.78 min Scan# 2202

Delta R.T. 0.01 min

Lab File: BG020299.D

Acq: 19 Dec 2015 6:48

Instrument :

BNA_G

ClientSampleId :

D9N43

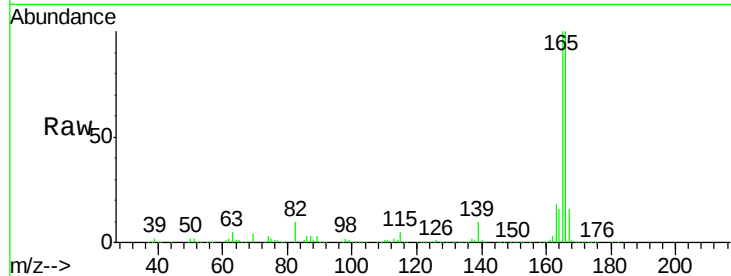
Tgt Ion:166 Resp: 945034

Ion Ratio Lower Upper

166 100

165 100.5 81.4 122.0

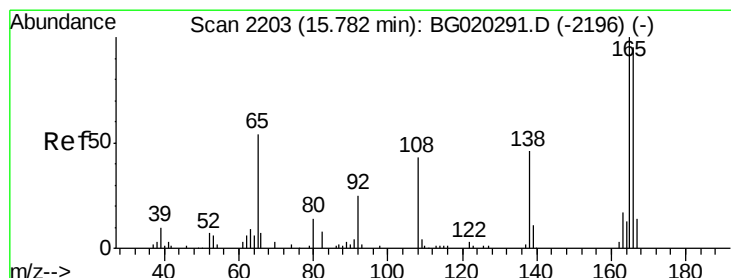
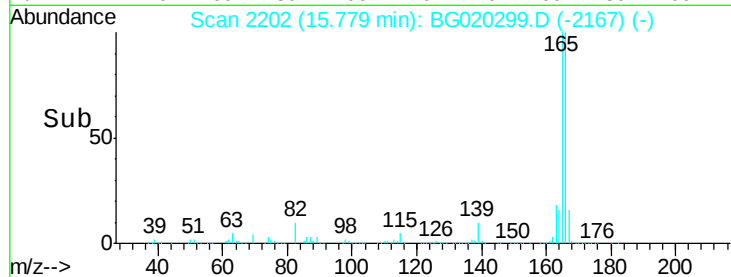
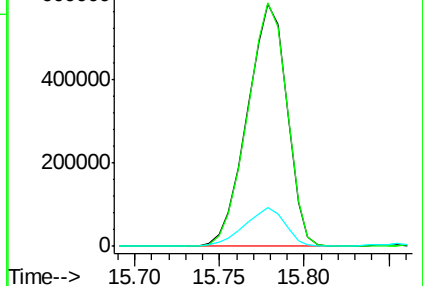
167 16.0 11.2 16.8



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



#61

4-Nitroaniline

Concen: 11.91 ng/ul

RT: 15.78 min Scan# 2202

Delta R.T. -0.00 min

Lab File: BG020299.D

Acq: 19 Dec 2015 6:48

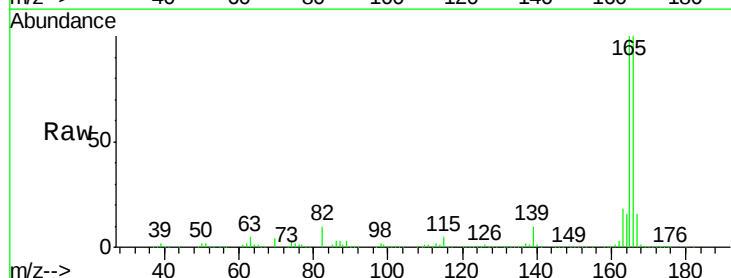
Tgt Ion:138 Resp: 12628

Ion Ratio Lower Upper

138 100

92 2.2 45.2 67.8#

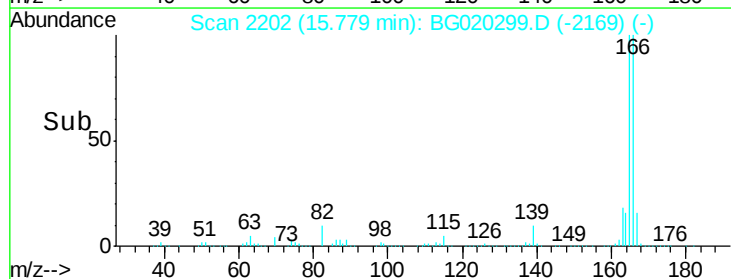
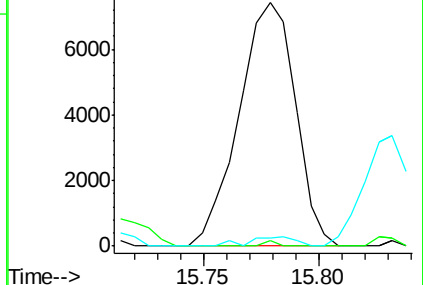
108 3.5 75.4 113.0#

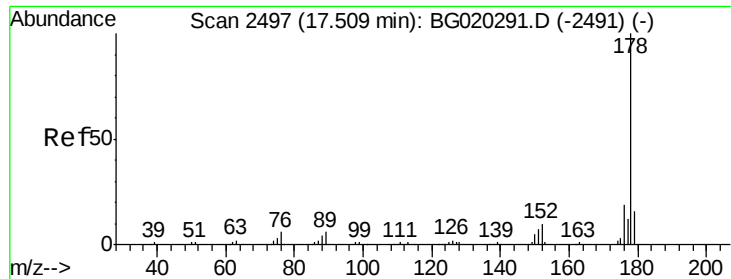


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG0

Ion 108.00 (107.70 to 108.70): E

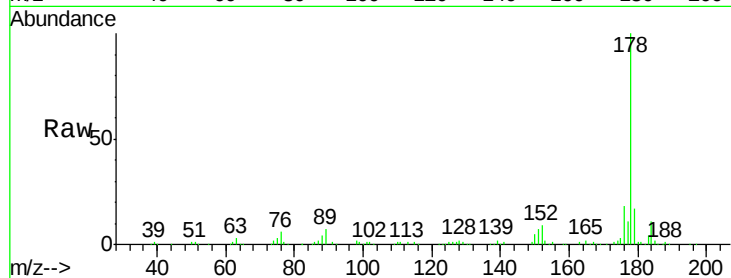




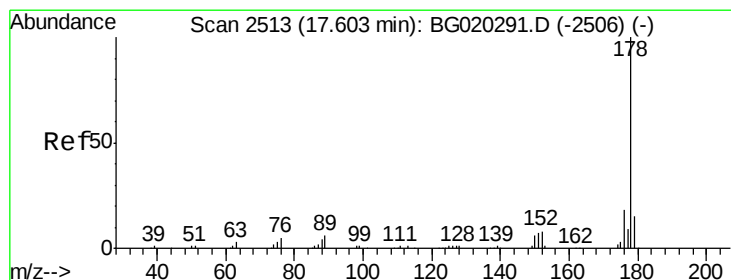
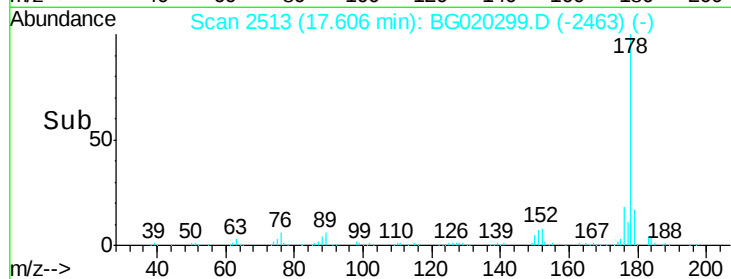
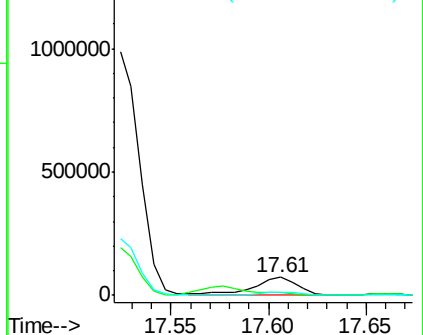
#70
 Phenanthrene
 Concen: 15.09 ng/ul
 RT: 17.61 min Scan# 2513
 Delta R.T. 0.10 min
 Lab File: BG020299.D
 Acq: 19 Dec 2015 6:48

Instrument :
 BNA_G
 ClientSampleId :
 D9N43

Tgt Ion:178 Resp: 117332
 Ion Ratio Lower Upper
 178 100
 179 16.9 12.9 19.3
 176 18.0 15.3 22.9

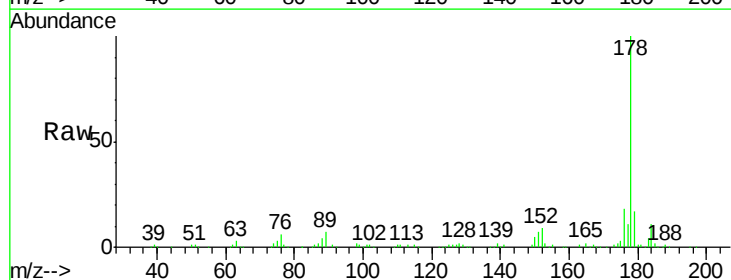


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

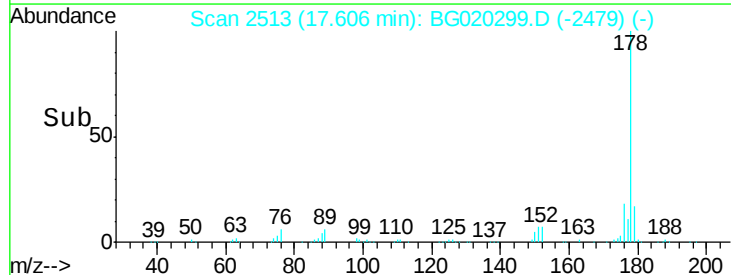
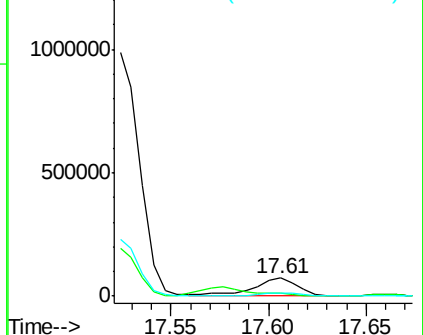


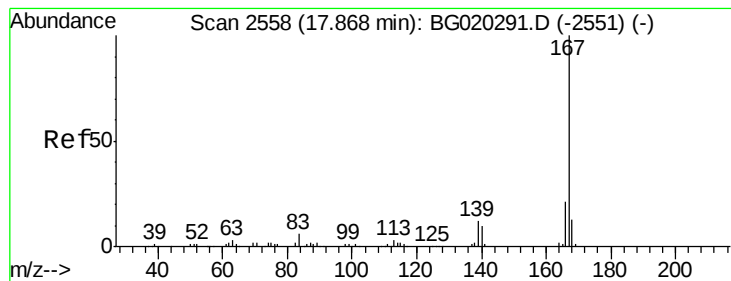
#72
 Anthracene
 Concen: 14.93 ng/ul
 RT: 17.61 min Scan# 2513
 Delta R.T. 0.00 min
 Lab File: BG020299.D
 Acq: 19 Dec 2015 6:48

Tgt Ion:178 Resp: 117721
 Ion Ratio Lower Upper
 178 100
 179 16.9 12.3 18.5
 176 18.0 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: 203.48 ng/ul

RT: 17.88 min Scan# 2560

Delta R.T. 0.01 min

Lab File: BG020299.D

Acq: 19 Dec 2015 6:48

Instrument :

BNA_G

ClientSampleId :

D9N43

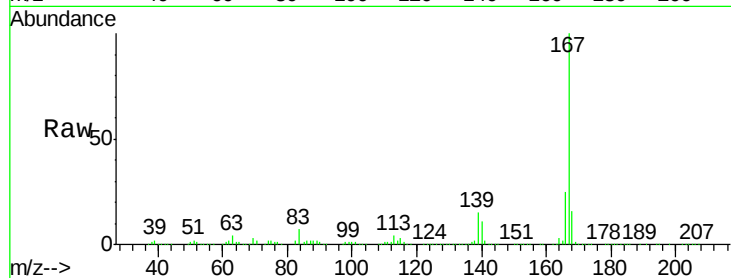
Tgt Ion:167 Resp: 1348429

Ion Ratio Lower Upper

167 100

166 25.0 17.0 25.6

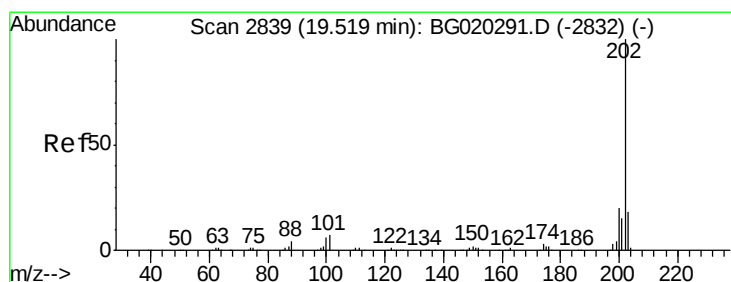
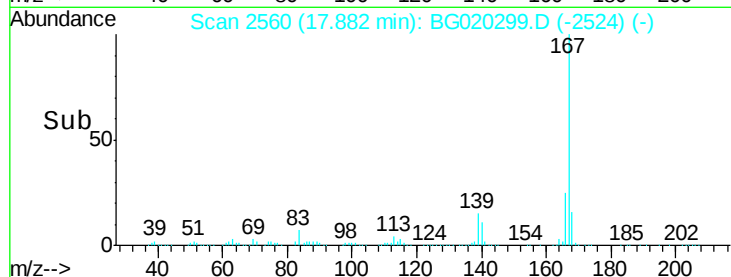
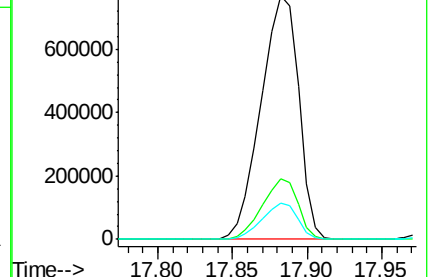
139 14.8 10.1 15.1



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: 32.72 ng/ul

RT: 19.52 min Scan# 2838

Delta R.T. -0.00 min

Lab File: BG020299.D

Acq: 19 Dec 2015 6:48

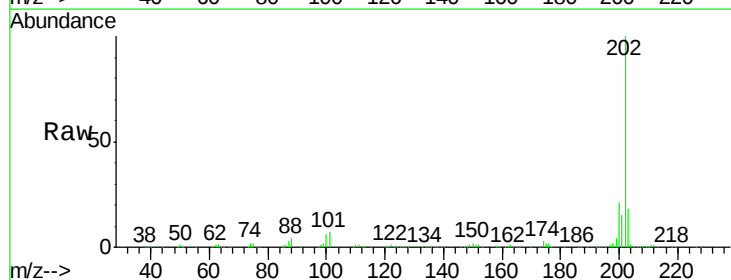
Tgt Ion:202 Resp: 297362

Ion Ratio Lower Upper

202 100

101 7.5 6.2 9.4

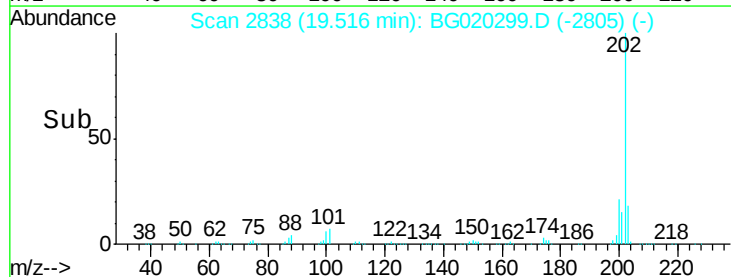
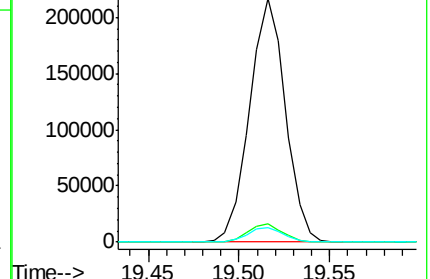
100 5.9 5.1 7.7

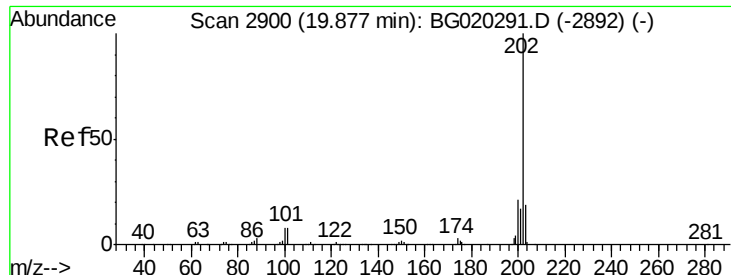


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

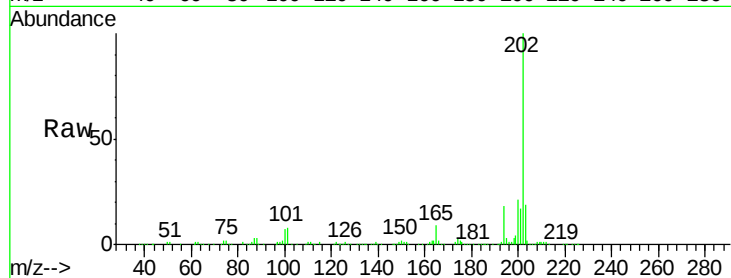




#80
 Pyrene
 Concen: 15.24 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: BG020299.D
 Acq: 19 Dec 2015 6:48

Instrument :
 BNA_G
 ClientSampleId :
 D9N43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.9	7.0	10.4
100	6.7	6.4	9.6



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

