

Data Path : Z:\HPCHEM1\BNA G\DATA\BG061416\
 Data File : BG022359.D
 Acq On : 15 Jun 2016 8:03
 Operator : UM/SJ
 Sample : H3542-06
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MW-02

Quant Time: Jun 15 14:05:57 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 17:40:23 2016
 Response via : Initial Calibration

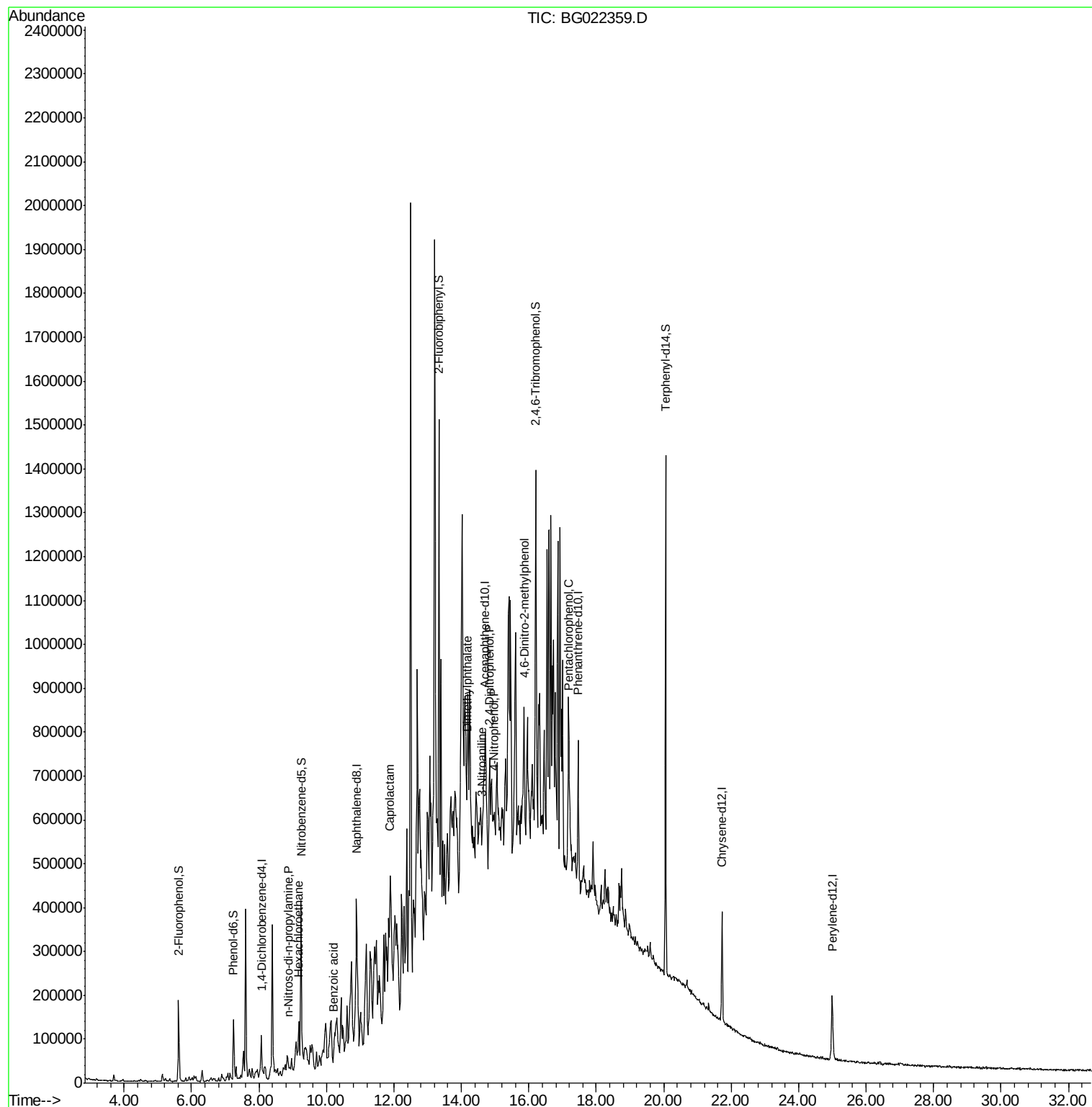
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	30423	20.00	ng	-0.02
21) Naphthalene-d8	10.89	136	160675	20.00	ng	-0.01
38) Acenaphthene-d10	14.71	164	98394	20.00	ng	-0.01
63) Phenanthrene-d10	17.46	188	179485	20.00	ng	0.00
75) Chrysene-d12	21.73	240	155224	20.00	ng	-0.01
86) Perylene-d12	24.99	264	151872	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	120139	76.35	ng	-0.02
7) Phenol-d6	7.24	99	119879	48.46	ng	0.00
23) Nitrobenzene-d5	9.25	82	212856	92.36	ng	-0.01
41) 2,4,6-Tribromophenol	16.21	330	128124	115.24	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	558980	86.58	ng	0.00
78) Terphenyl-d14	20.05	244	528857	80.89	ng	0.00
Target Compounds						
18) Hexachloroethane	9.18	117	5119	6.04	ng	# 1
19) n-Nitroso-di-n-propylamine	8.87	70	5493	3.28	ng	# 89
32) Benzoic acid	10.21	122	55	7.34	ng	# 1
35) Caprolactam	11.89	113	5385	4.66	ng	# 1
49) Dimethylphthalate	14.16	163	30907	3.79	ng	# 64
52) 3-Nitroaniline	14.61	138	7395	3.76	ng	# 7
53) 2,4-Dinitrophenol	14.85	184	297	11.28	ng	# 1
55) 4-Nitrophenol	14.96	139	3082	2.27	ng	# 1
64) 4,6-Dinitro-2-methylphenol	15.87	198	420	5.88	ng	# 1
69) Pentachlorophenol	17.16	266	191	6.97	ng	92

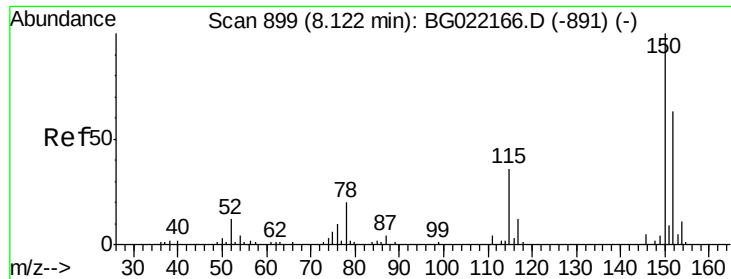
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.07 min Scan# 890

Delta R.T. -0.02 min

Lab File: BG022359.D

Acq: 15 Jun 2016 8:03

Instrument :

BNA_G

ClientSampled :

MW-02

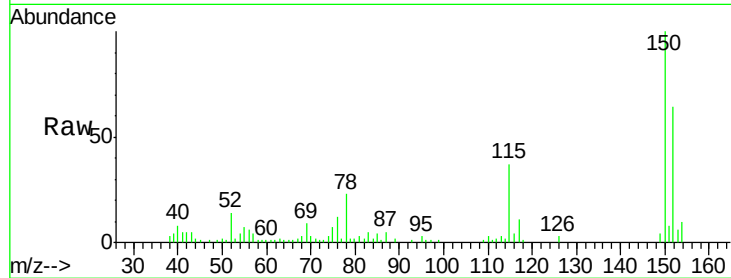
Tot Ion:152 Resp: 30423

Ion Ratio Lower Upper

152 100

150 156.6 130.1 195.1

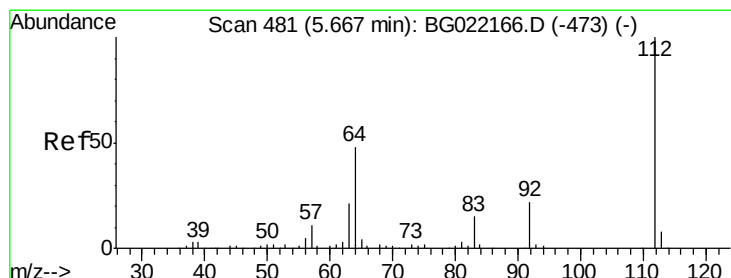
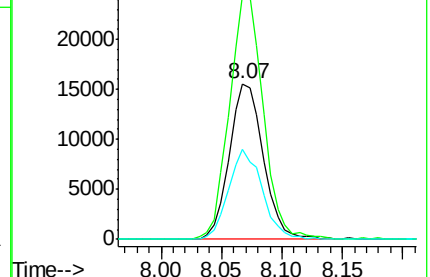
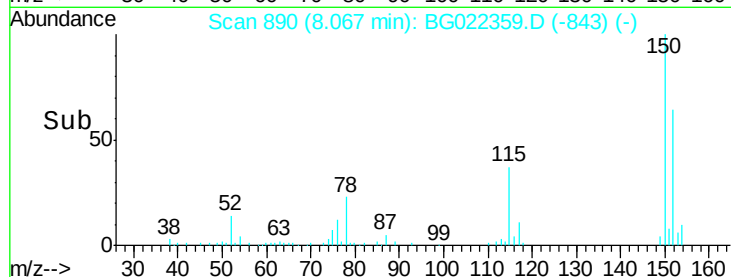
115 57.9 62.2 93.2#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 76.35 ng

RT: 5.62 min Scan# 473

Delta R.T. -0.02 min

Lab File: BG022359.D

Acq: 15 Jun 2016 8:03

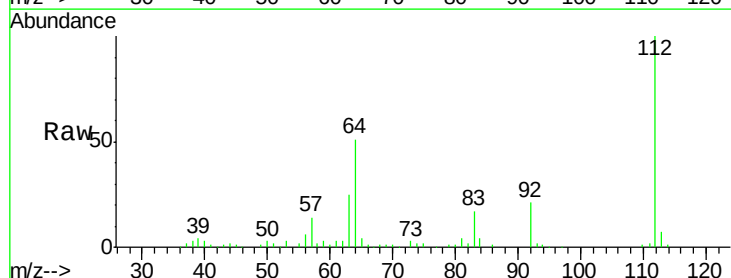
Tgt Ion:112 Resp: 120139

Ion Ratio Lower Upper

112 100

64 51.0 51.1 76.7#

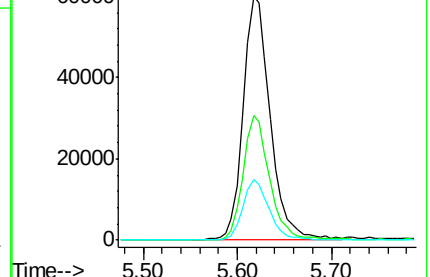
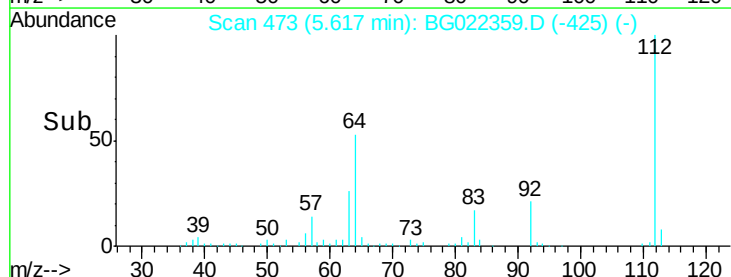
63 24.8 24.6 37.0

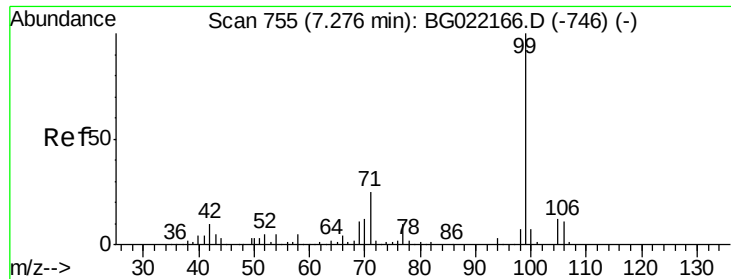


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 48.46 ng

RT: 7.24 min Scan# 750

Delta R.T. -0.01 min

Lab File: BG022359.D

Acq: 15 Jun 2016 8:03

Instrument :

BNA_G

ClientSampled :

MW-02

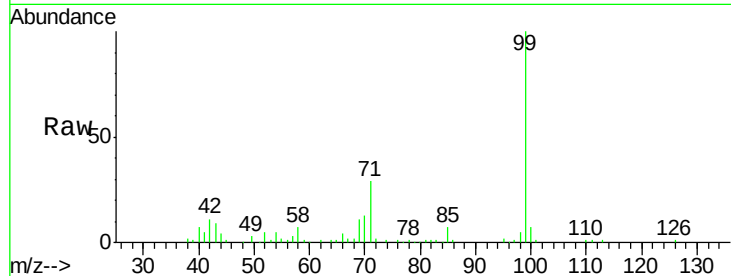
Tot Ion: 99 Resp: 119879

Ion Ratio Lower Upper

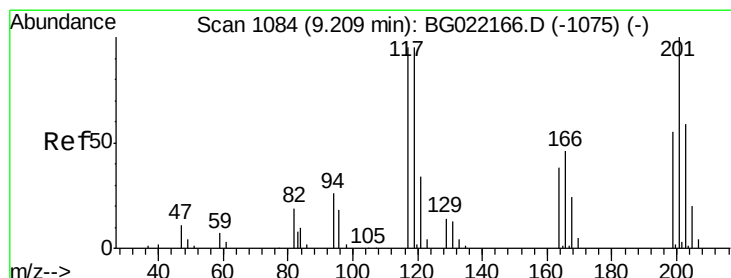
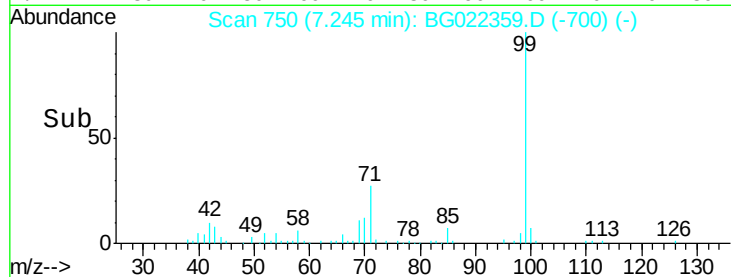
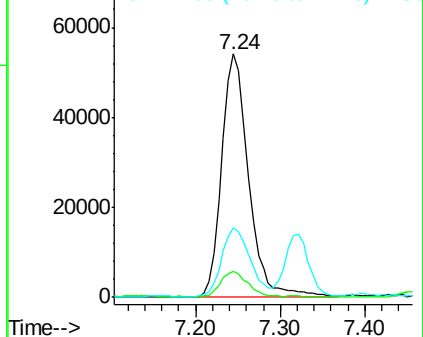
99 100

42 10.6 16.4 24.6#

71 28.6 25.0 37.4



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#18

Hexachloroethane

Concen: 6.04 ng

RT: 9.18 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BG022359.D

Acq: 15 Jun 2016 8:03

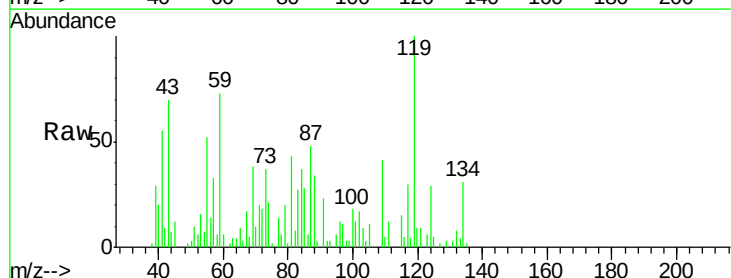
Tgt Ion: 117 Resp: 5119

Ion Ratio Lower Upper

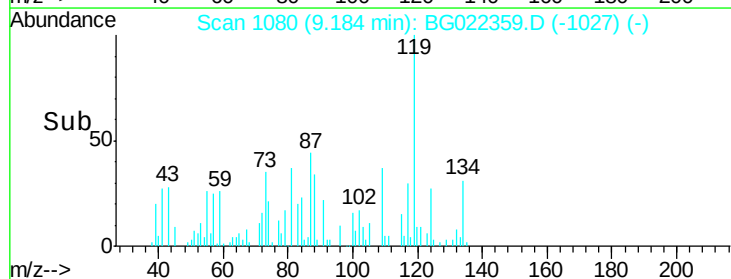
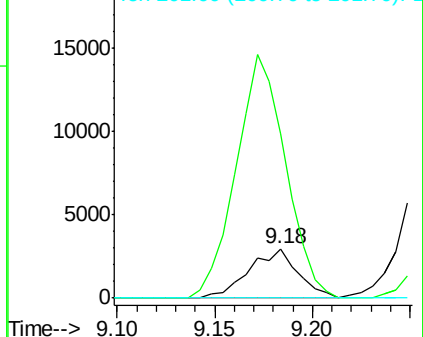
117 100

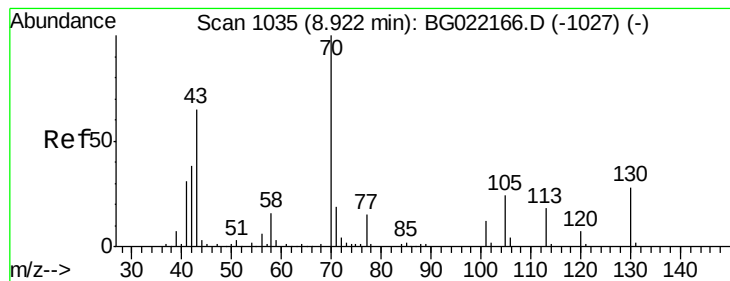
119 334.7 63.9 95.9#

201 0.0 61.2 91.8#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 3.28 ng

RT: 8.87 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BG022359.D

Acq: 15 Jun 2016 8:03

Instrument :

BNA_G

ClientSampleId :

MW-02

Tot Ion: 70 Resp: 5493

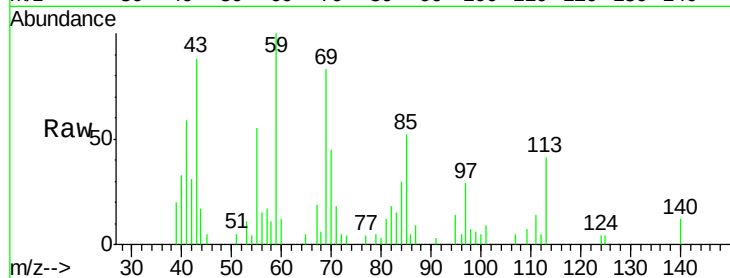
Ion Ratio Lower Upper

70 100

42 70.3 56.7 85.1

101 20.7 8.2 12.4#

130 0.0 14.0 21.0#



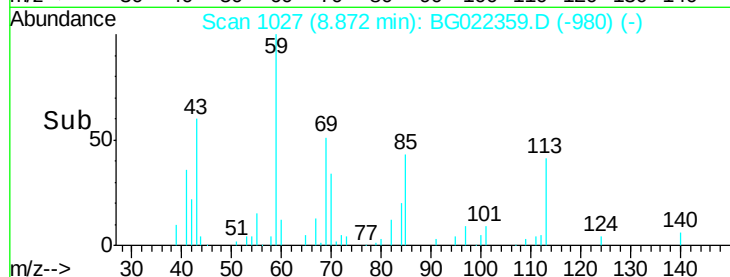
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

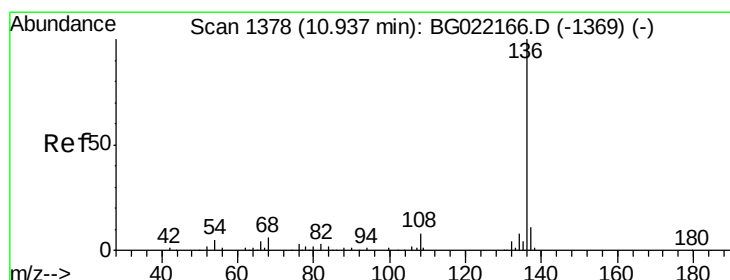
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Time-->



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.89 min Scan# 1371

Delta R.T. -0.01 min

Lab File: BG022359.D

Acq: 15 Jun 2016 8:03

Tgt Ion: 136 Resp: 160675

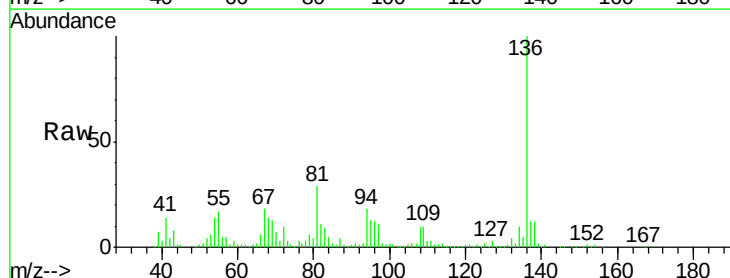
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.4

54 14.0 9.6 14.4

68 14.1 6.4 9.6#



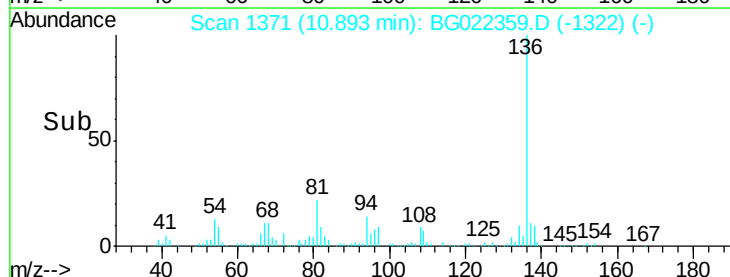
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

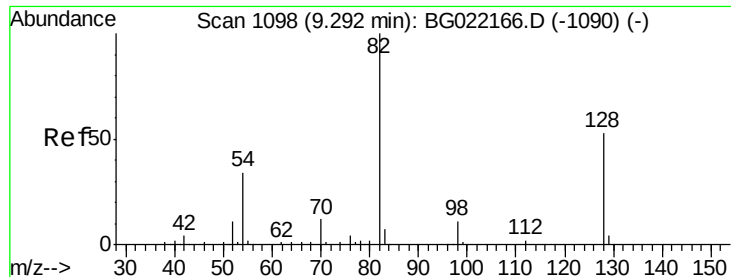
Ion 68.00 (67.70 to 68.70): BGC

Time-->



Time-->

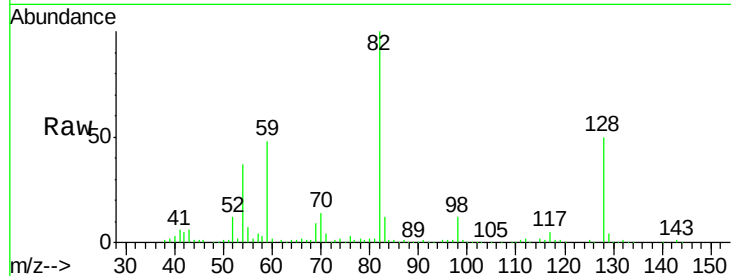
Time-->



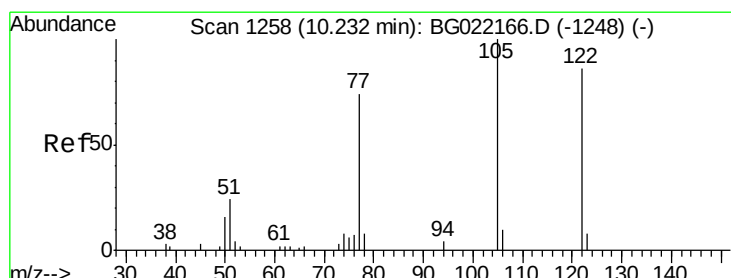
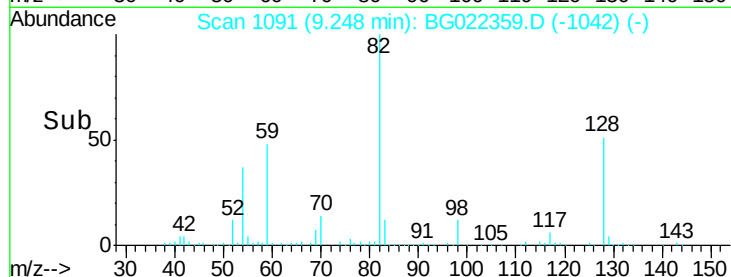
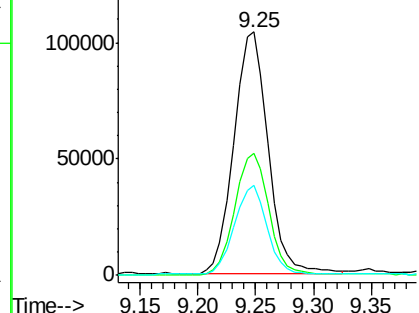
#23
 Nitrobenzene-d5
 Concen: 92.36 ng
 RT: 9.25 min Scan# 1091
 Delta R.T. -0.01 min
 Lab File: BG022359.D
 Acq: 15 Jun 2016 8:03

Instrument :
 BNA_G
 ClientSampleID :
 MW-02

Tot Ion: 82 Resp: 212856
 Ion Ratio Lower Upper
 82 100
 128 50.2 33.4 50.0#
 54 36.8 46.1 69.1#

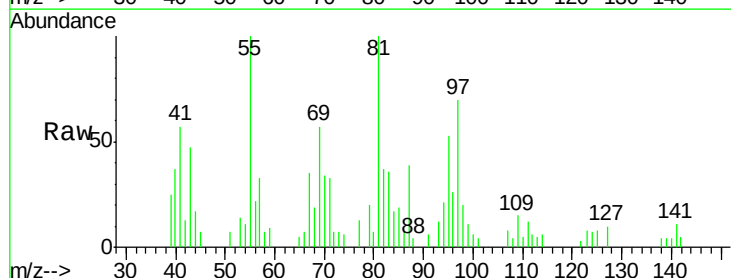


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

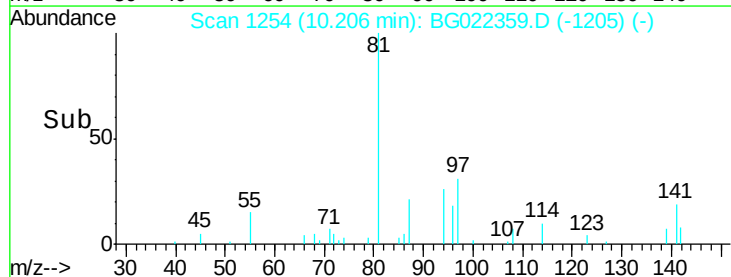
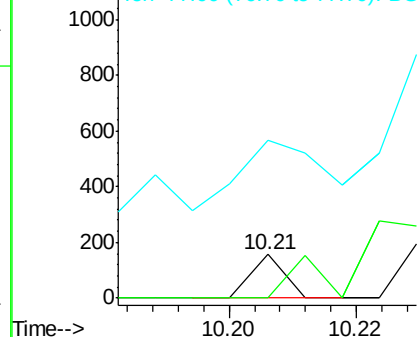


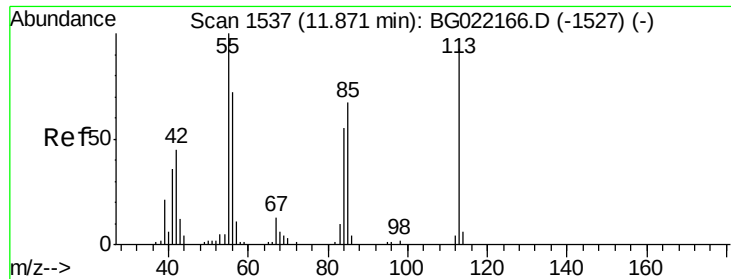
#32
 Benzoic acid
 Concen: 7.34 ng
 RT: 10.21 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: BG022359.D
 Acq: 15 Jun 2016 8:03

Tgt Ion: 122 Resp: 55
 Ion Ratio Lower Upper
 122 100
 105 0.0 104.5 144.5#
 77 362.8 79.9 119.9#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC





#35

Caprolactam

Concen: 4.66 ng

RT: 11.89 min Scan# 1540

Delta R.T. 0.02 min

Lab File: BG022359.D

Acq: 15 Jun 2016 8:03

Instrument :

BNA_G

ClientSampleId :

MW-02

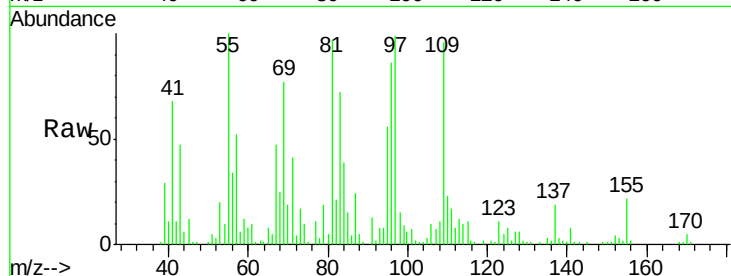
Tot Ion:113 Resp: 5385

Ion Ratio Lower Upper

113 100

55 803.6 194.2 234.2#

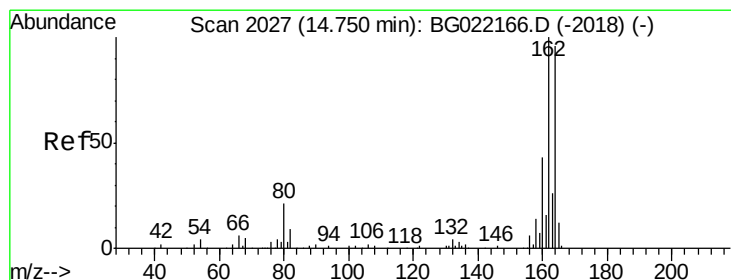
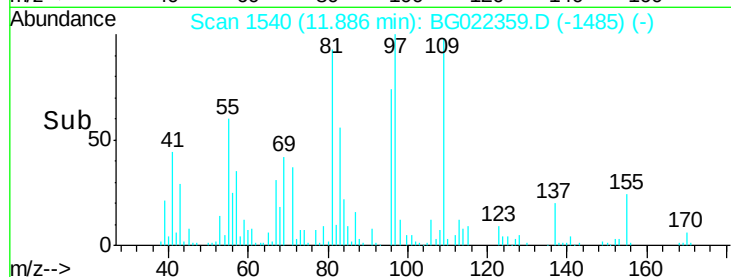
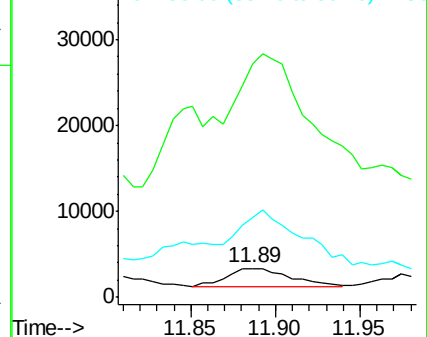
56 274.4 122.6 162.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.71 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BG022359.D

Acq: 15 Jun 2016 8:03

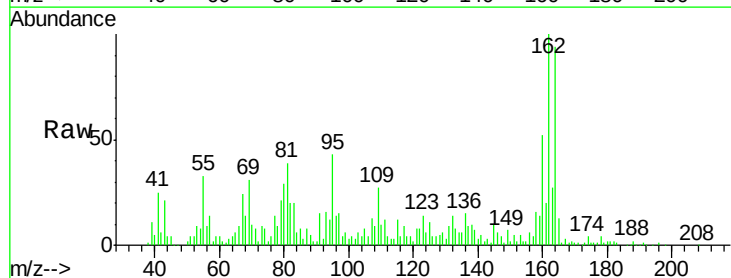
Tgt Ion:164 Resp: 98394

Ion Ratio Lower Upper

164 100

162 106.9 78.0 117.0

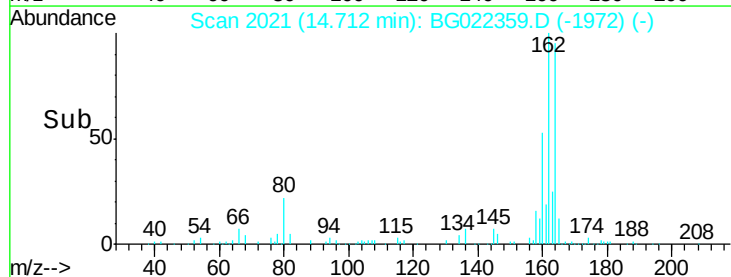
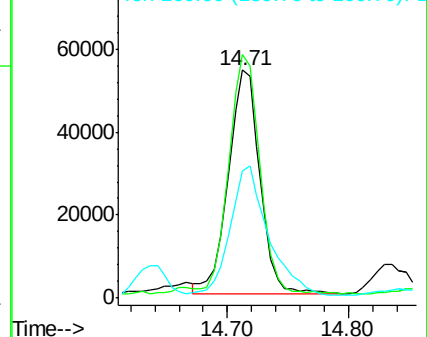
160 55.6 32.9 49.3#

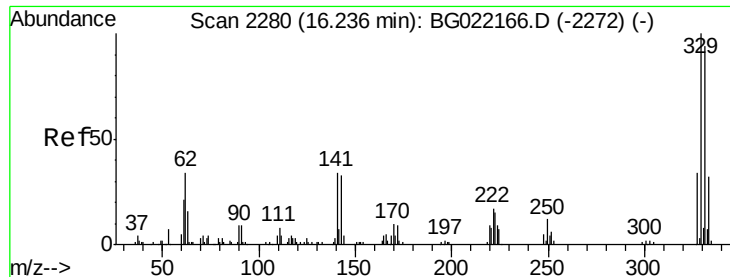


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 115.24 ng

RT: 16.21 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BG022359.D

Acq: 15 Jun 2016 8:03

Instrument :

BNA_G

ClientSampled :

MW-02

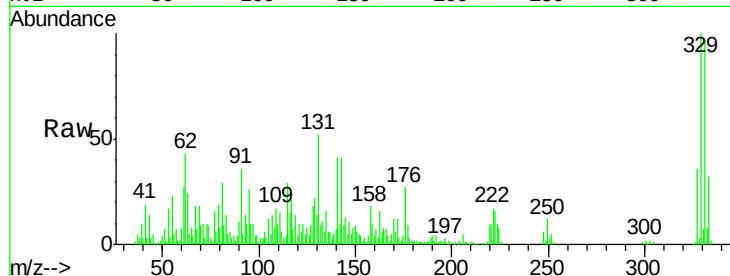
Tot Ion:330 Resp: 128124

Ion Ratio Lower Upper

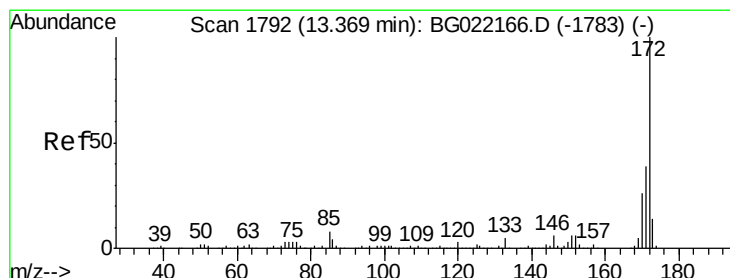
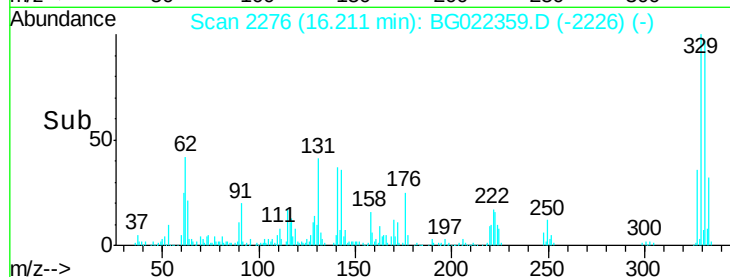
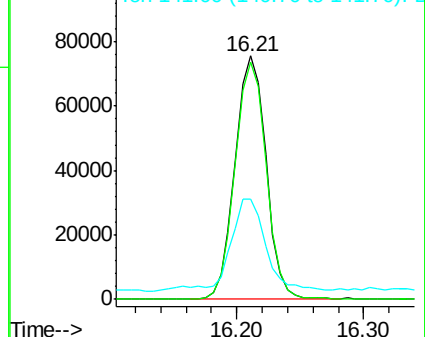
330 100

332 97.8 78.0 117.0

141 39.9 33.8 50.8



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 86.58 ng

RT: 13.34 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BG022359.D

Acq: 15 Jun 2016 8:03

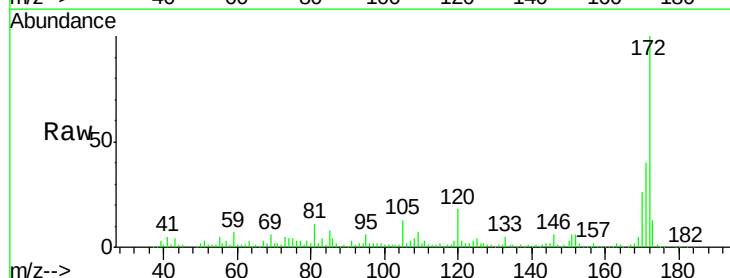
Tgt Ion:172 Resp: 558980

Ion Ratio Lower Upper

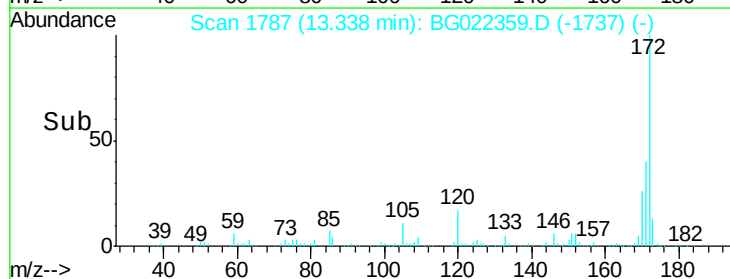
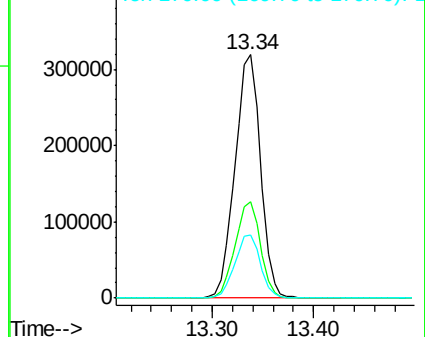
172 100

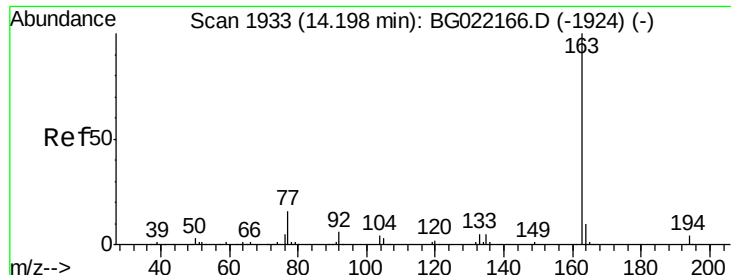
171 39.6 27.8 41.6

170 26.2 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 3.79 ng

RT: 14.16 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BG022359.D

Acq: 15 Jun 2016 8:03

Instrument :

BNA_G

ClientSampled :

MW-02

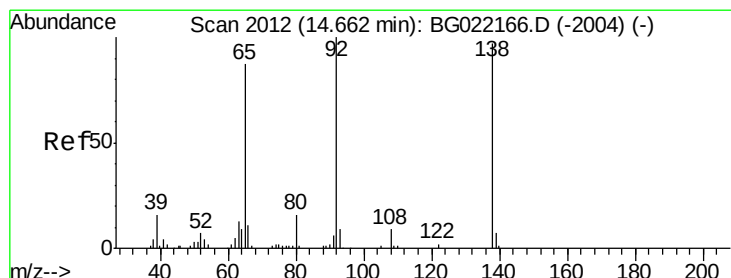
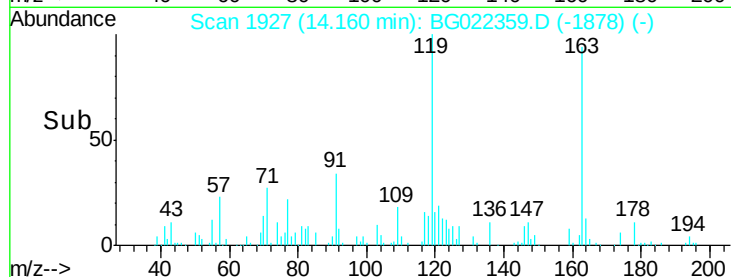
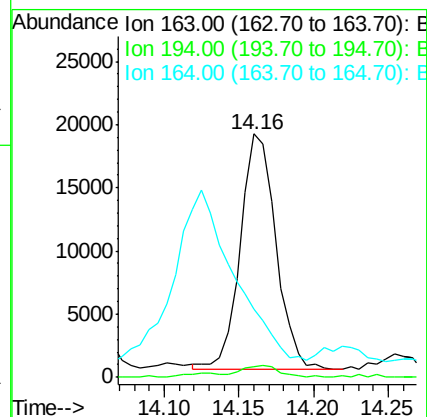
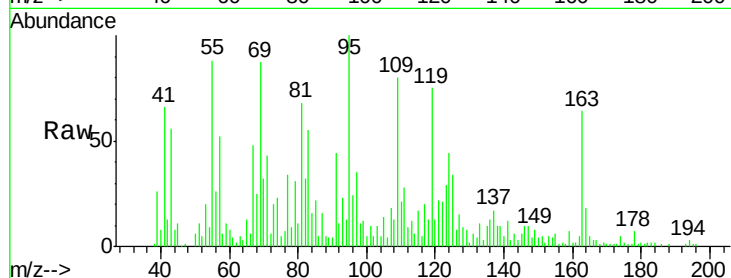
Tot Ion:163 Resp: 30907

Ion Ratio Lower Upper

163 100

194 4.5 3.0 4.6

164 28.2 8.1 12.1#



#52

3-Nitroaniline

Concen: 3.76 ng

RT: 14.61 min Scan# 2003

Delta R.T. -0.03 min

Lab File: BG022359.D

Acq: 15 Jun 2016 8:03

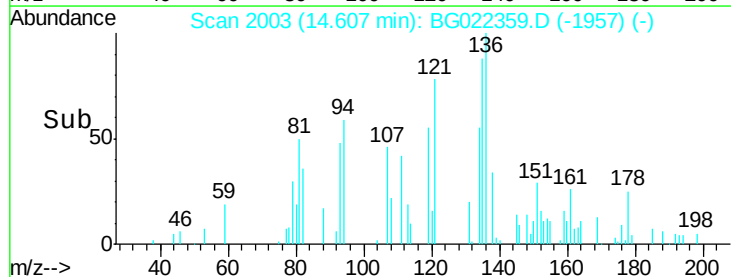
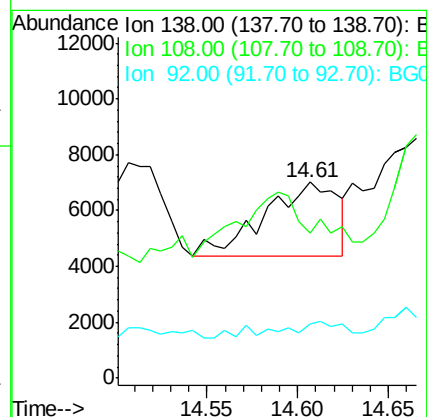
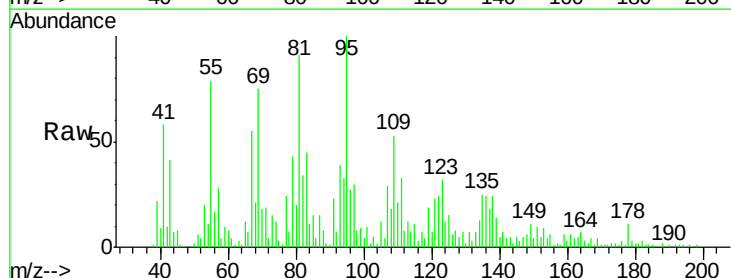
Tgt Ion:138 Resp: 7395

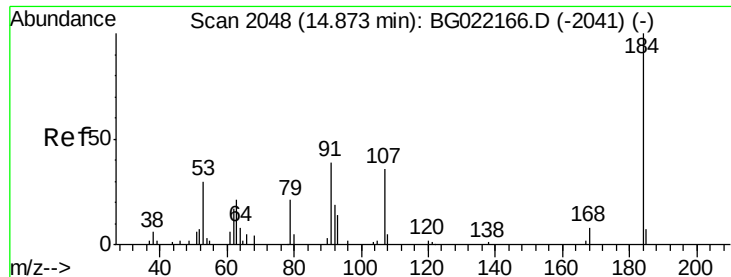
Ion Ratio Lower Upper

138 100

108 73.8 9.1 13.7#

92 27.5 102.6 154.0#

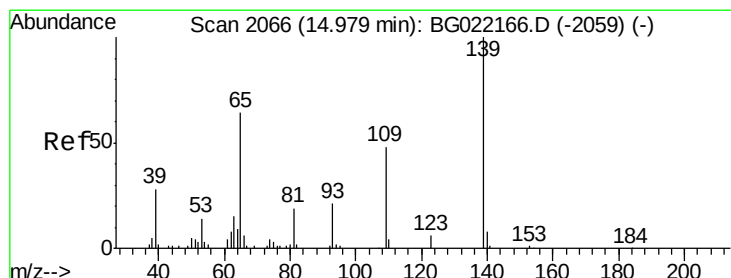
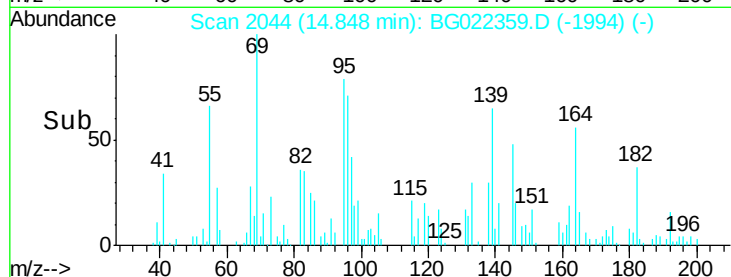
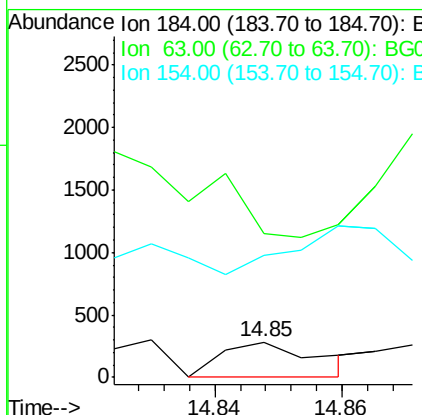
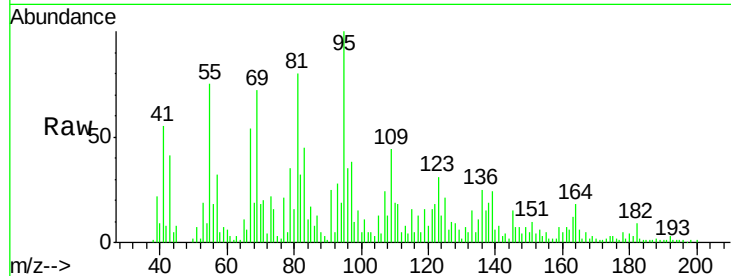




#53
2,4-Dinitrophenol
Concen: 11.28 ng
RT: 14.85 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BG022359.D
Acq: 15 Jun 2016 8:03

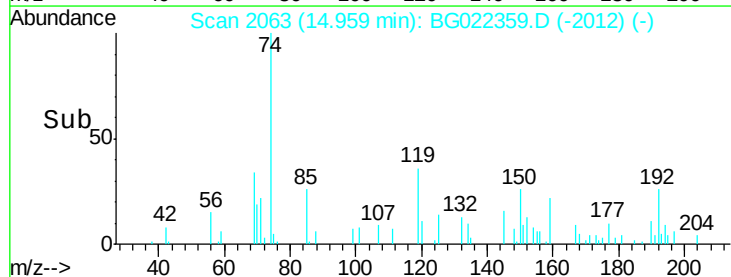
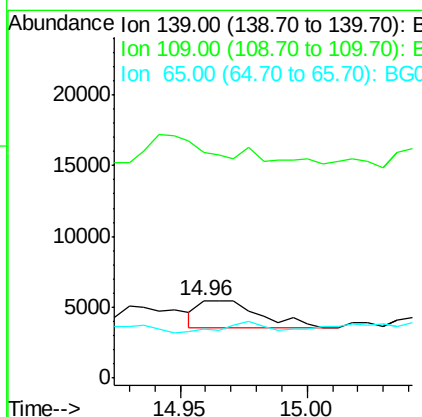
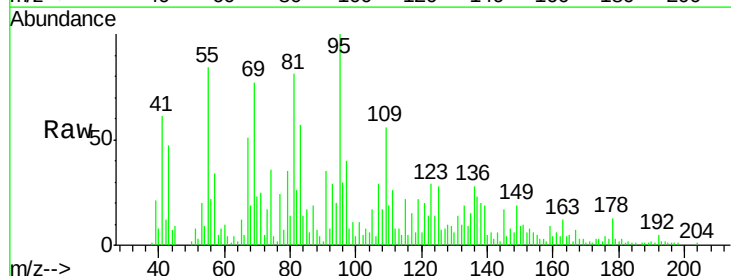
Instrument :
BNA_G
ClientSampleId :
MW-02

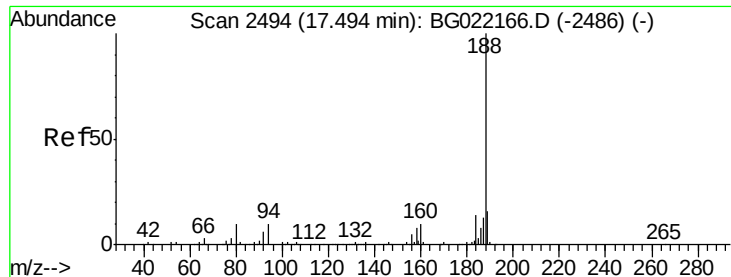
Tot Ion:184 Resp: 297
Ion Ratio Lower Upper
184 100
63 406.3 57.3 85.9#
154 345.4 55.2 82.8#



#55
4-Nitrophenol
Concen: 2.27 ng
RT: 14.96 min Scan# 2063
Delta R.T. 0.00 min
Lab File: BG022359.D
Acq: 15 Jun 2016 8:03

Tgt Ion:139 Resp: 3082
Ion Ratio Lower Upper
139 100
109 292.9 49.2 89.2#
65 64.3 83.2 123.2#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.46 min Scan# 2489

Delta R.T. -0.01 min

Lab File: BG022359.D

Acq: 15 Jun 2016 8:03

Instrument :

BNA_G

ClientSampled :

MW-02

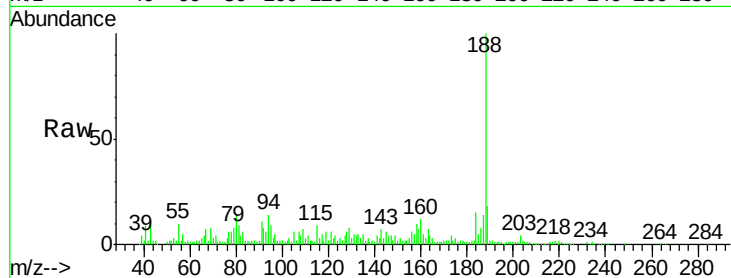
Tot Ion:188 Resp: 179485

Ion Ratio Lower Upper

188 100

94 13.5 7.5 11.3#

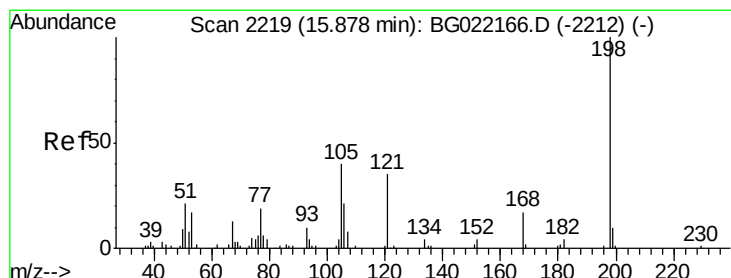
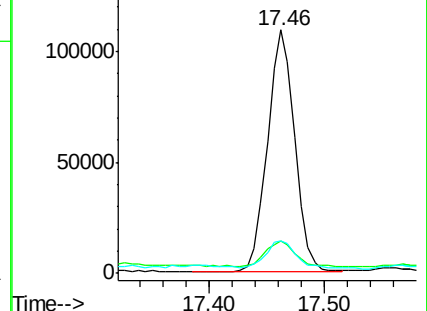
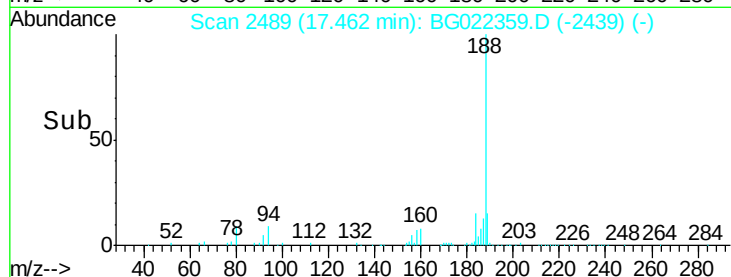
80 13.5 8.6 13.0#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 5.88 ng

RT: 15.87 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BG022359.D

Acq: 15 Jun 2016 8:03

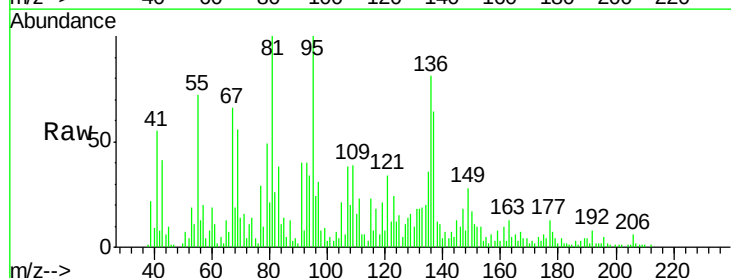
Tgt Ion:198 Resp: 420

Ion Ratio Lower Upper

198 100

51 861.3 29.2 69.2#

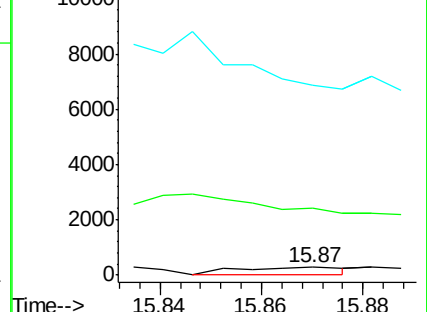
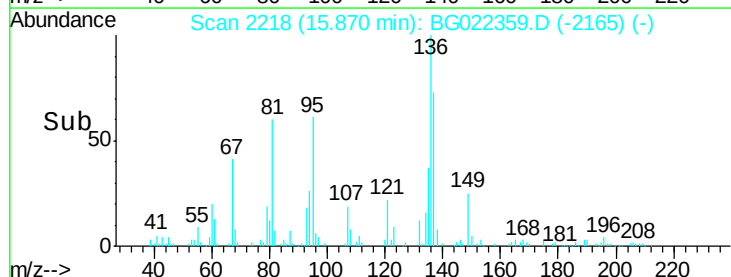
105 2416.2 24.0 64.0#

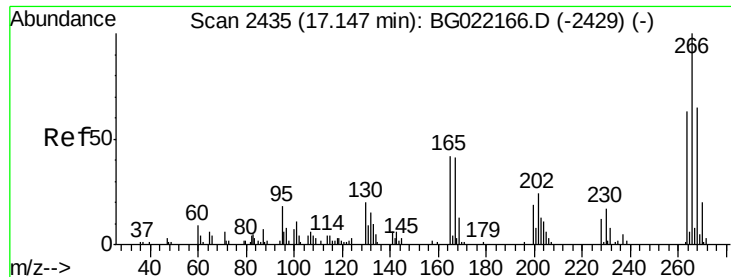


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

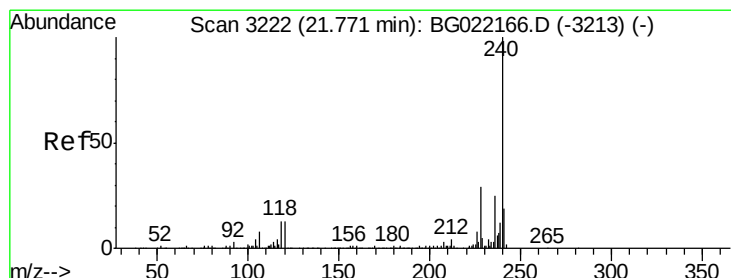
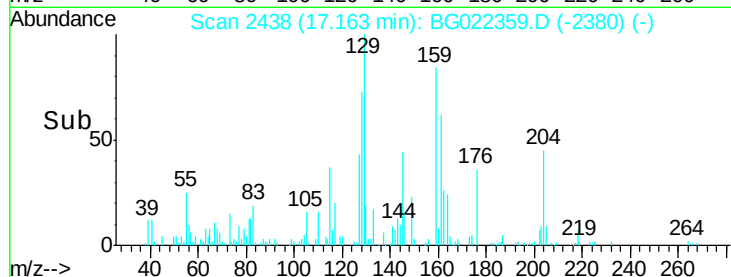
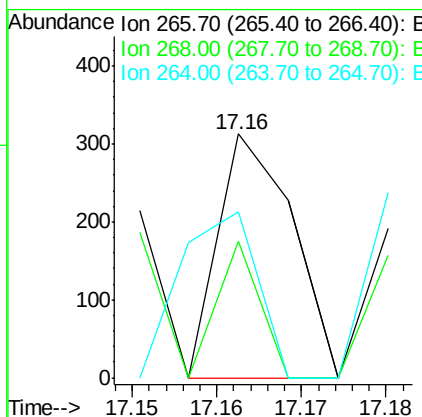
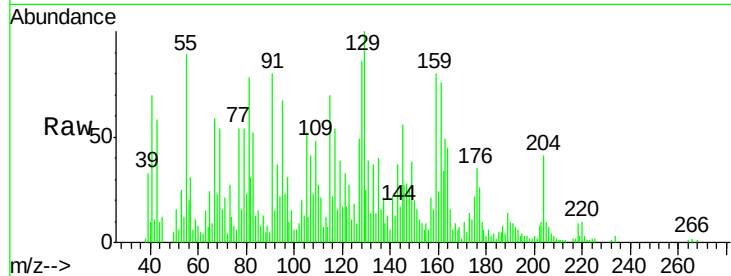




#69
 Pentachlorophenol
 Concen: 6.97 ng
 RT: 17.16 min Scan# 2438
 Delta R.T. 0.04 min
 Lab File: BG022359.D
 Acq: 15 Jun 2016 8:03

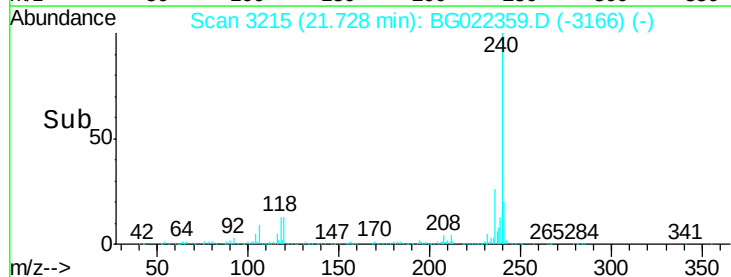
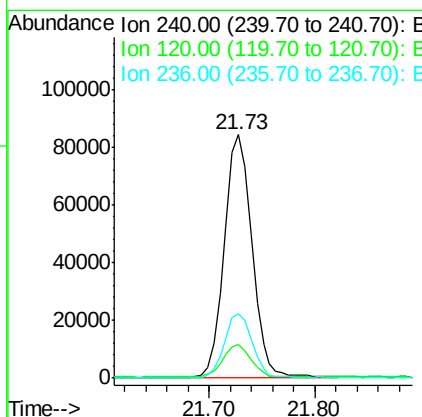
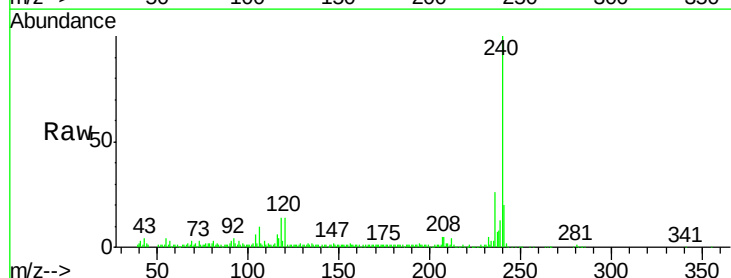
Instrument :
 BNA_G
 ClientSampleId :
 MW-02

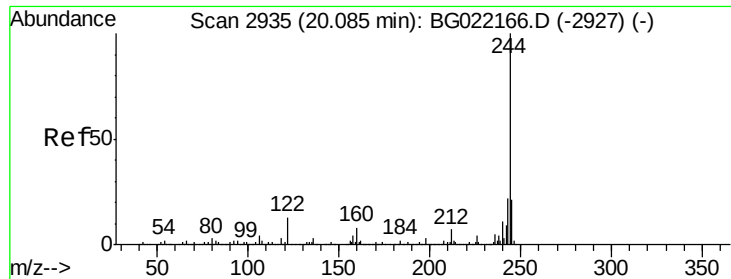
Tot Ion:266 Resp: 191
 Ion Ratio Lower Upper
 266 100
 268 55.9 54.5 81.7
 264 68.1 53.8 80.6



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 21.73 min Scan# 3215
 Delta R.T. -0.01 min
 Lab File: BG022359.D
 Acq: 15 Jun 2016 8:03

Tgt Ion:240 Resp: 155224
 Ion Ratio Lower Upper
 240 100
 120 13.9 8.4 12.6#
 236 26.4 19.6 29.4





#78

Terphenyl-d14

Concen: 80.89 ng

RT: 20.05 min Scan# 2930

Delta R.T. -0.01 min

Lab File: BG022359.D

Acq: 15 Jun 2016 8:03

Instrument :

BNA_G

ClientSampleId :

MW-02

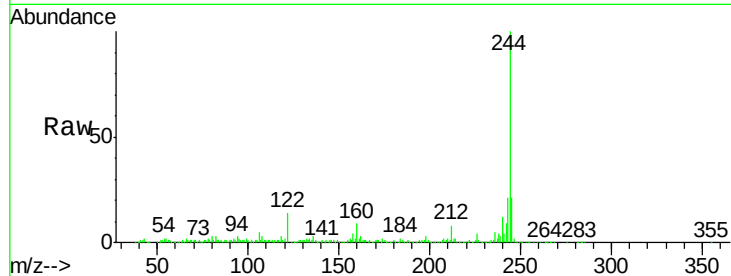
Tot Ion:244 Resp: 528857

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

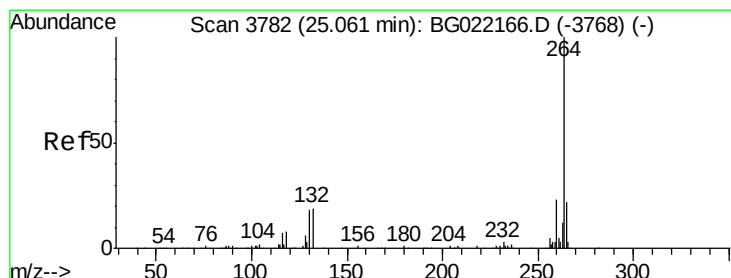
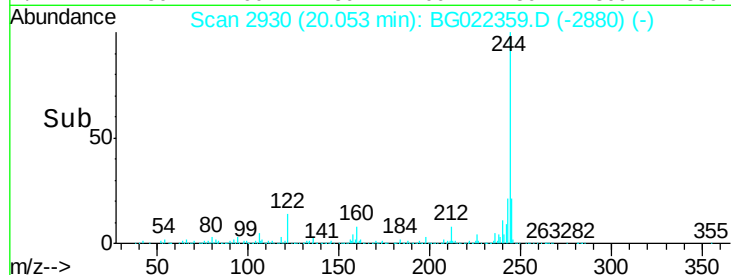
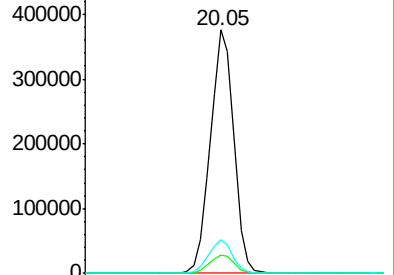
122 14.0 8.6 12.8#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.99 min Scan# 3771

Delta R.T. -0.02 min

Lab File: BG022359.D

Acq: 15 Jun 2016 8:03

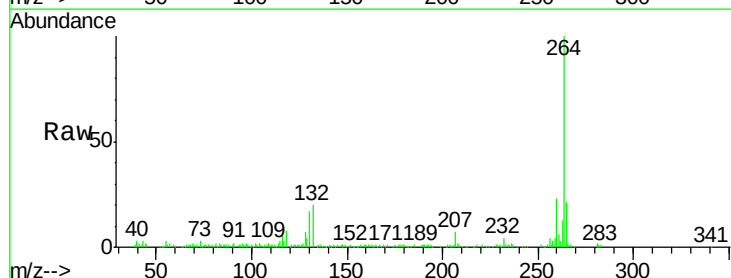
Tgt Ion:264 Resp: 151872

Ion Ratio Lower Upper

264 100

260 23.2 20.2 30.4

265 20.7 17.8 26.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

