

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091517\  
 Data File : BG028785.D  
 Acq On : 16 Sep 2017 4:02  
 Operator : SJ/JU  
 Sample : I5187-10  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 16 05:00:32 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

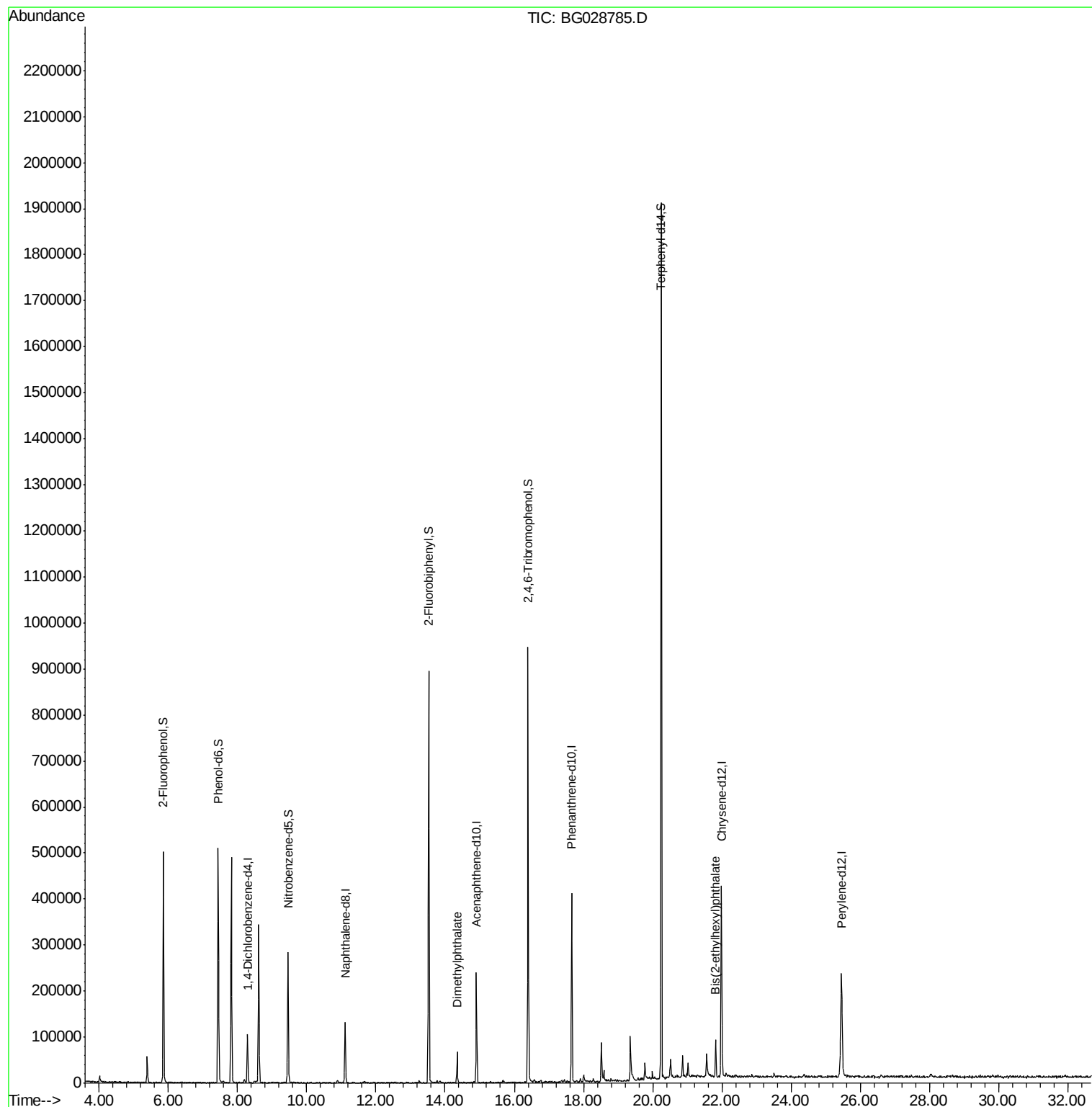
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.29  | 152  | 28077    | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8             | 11.11 | 136  | 118210   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10           | 14.91 | 164  | 89898    | 20.00  | ng    | -0.04    |
| 63) Phenanthrene-d10           | 17.66 | 188  | 252485   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12               | 21.99 | 240  | 289394   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12               | 25.45 | 264  | 303874   | 20.00  | ng    | -0.07    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.86  | 112  | 215152   | 126.44 | ng    | -0.04    |
| 7) Phenol-d6                   | 7.45  | 99   | 303486   | 118.46 | ng    | -0.04    |
| 23) Nitrobenzene-d5            | 9.46  | 82   | 187018   | 75.68  | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol       | 16.40 | 330  | 205045   | 137.90 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl           | 13.53 | 172  | 487984   | 72.38  | ng    | -0.04    |
| 78) Terphenyl-d14              | 20.25 | 244  | 904311   | 66.64  | ng    | -0.03    |
| Target Compounds               |       |      |          |        |       |          |
| 49) Dimethylphthalate          | 14.35 | 163  | 47755    | 6.335  | ng    | 96       |
| 83) Bis(2-ethylhexyl)phthalate | 21.82 | 149  | 34837    | 3.635  | ng    | 97       |

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

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Quant Time: Sep 16 05:00:32 2017  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
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QLast Update : Tue Sep 12 16:57:11 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.29 min Scan# 800

Delta R.T. -0.04 min

Lab File: BG028785.D

Acq: 16 Sep 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

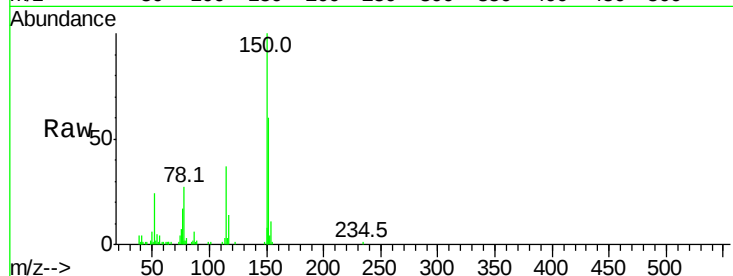
Tot Ion:152 Resp: 28077

Ion Ratio Lower Upper

152 100

150 165.6 114.0 171.0

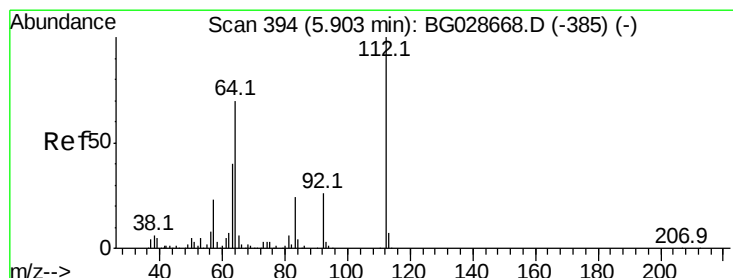
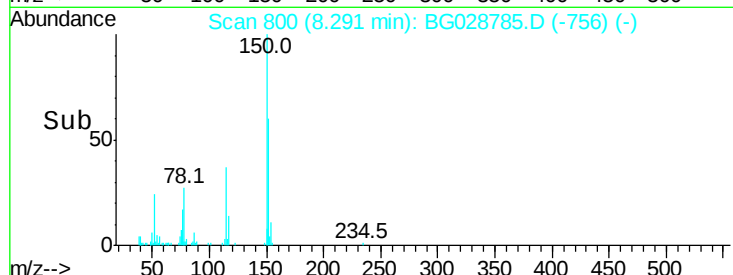
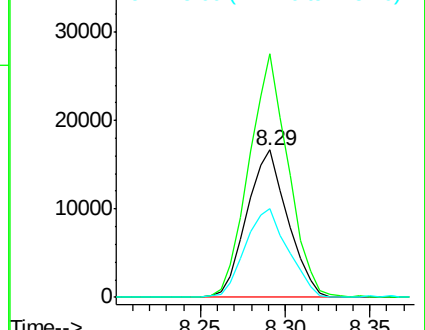
115 60.7 48.1 72.1



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: 126.442 ng

RT: 5.86 min Scan# 386

Delta R.T. -0.04 min

Lab File: BG028785.D

Acq: 16 Sep 2017 4:02

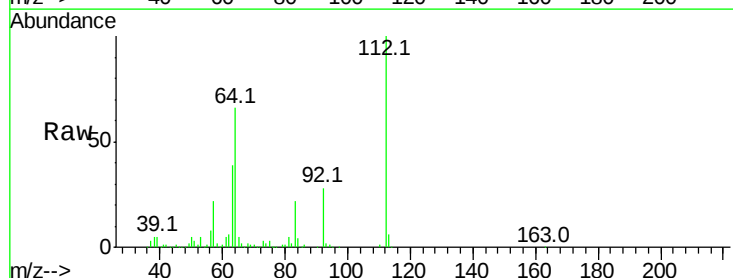
Tgt Ion:112 Resp: 215152

Ion Ratio Lower Upper

112 100

64 65.9 61.8 92.6

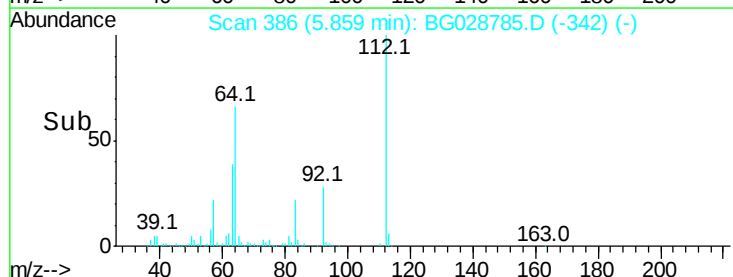
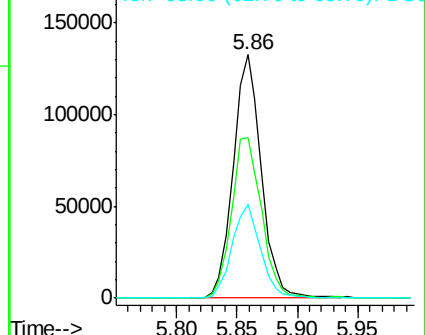
63 38.6 37.2 55.8

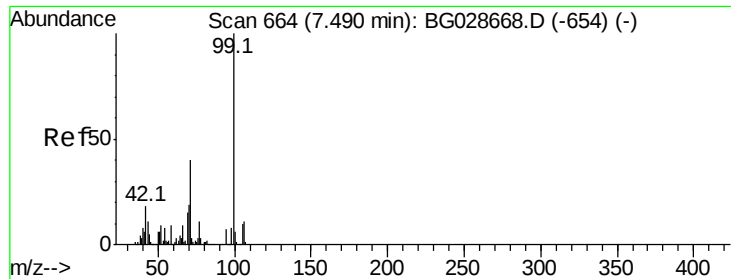


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 118.459 ng

RT: 7.45 min Scan# 656

Delta R.T. -0.04 min

Lab File: BG028785.D

Acq: 16 Sep 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

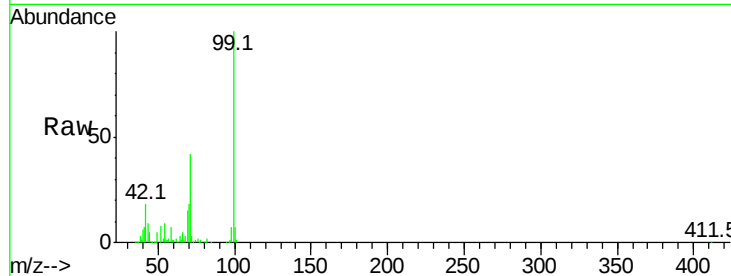
Tot Ion: 99 Resp: 303486

Ion Ratio Lower Upper

99 100

42 18.5 20.5 30.7#

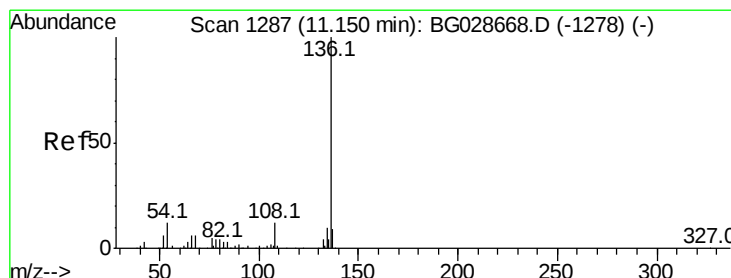
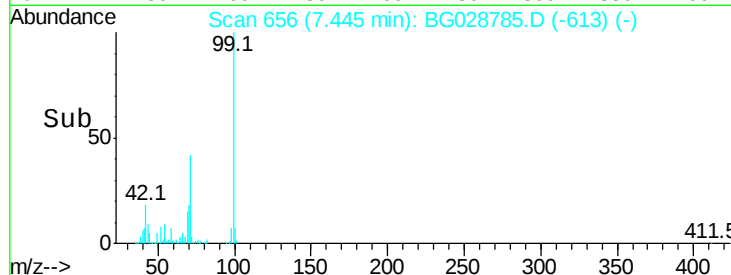
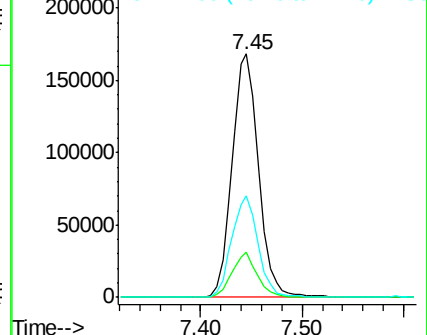
71 41.8 37.6 56.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.11 min Scan# 1280

Delta R.T. -0.04 min

Lab File: BG028785.D

Acq: 16 Sep 2017 4:02

Tgt Ion: 136 Resp: 118210

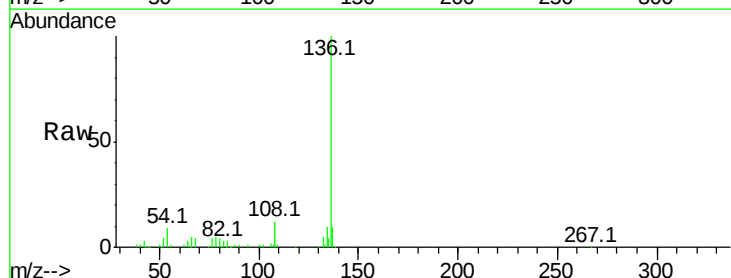
Ion Ratio Lower Upper

136 100

137 9.7 8.9 13.3

54 9.3 9.3 13.9

68 3.9 5.1 7.7#

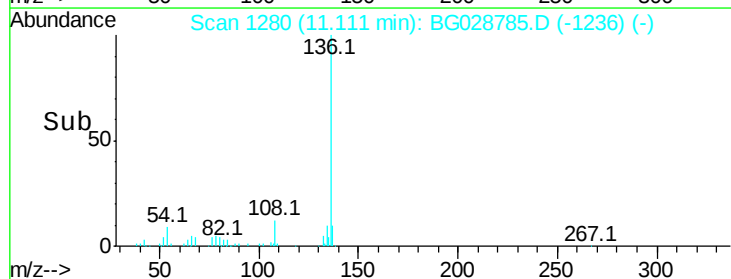
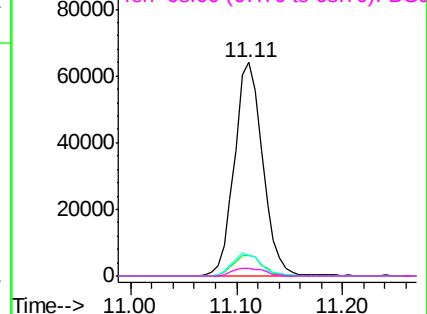


Abundance Ion 136.00 (135.70 to 136.70): BGC

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

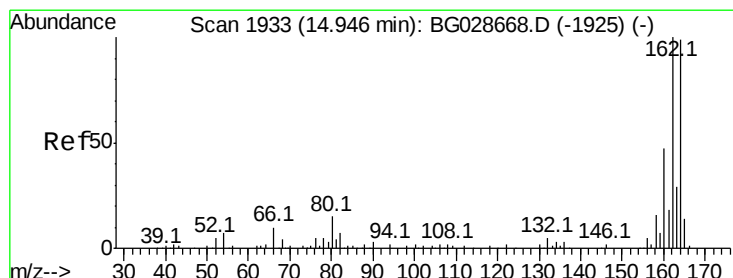
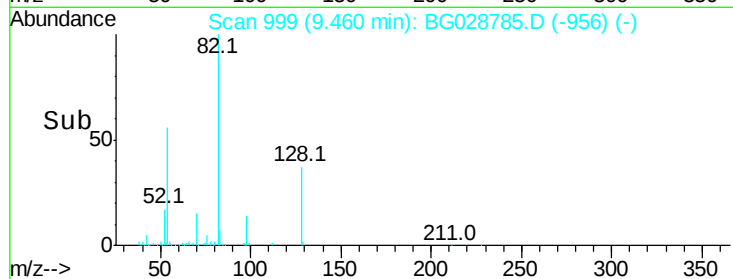
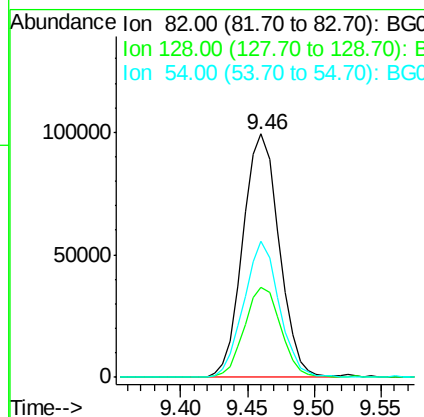
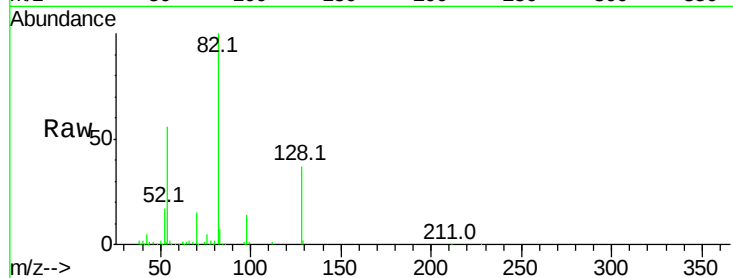




#23  
Nitrobenzene-d5  
Concen: 75.683 ng  
RT: 9.46 min Scan# 999  
Delta R.T. -0.04 min  
Lab File: BG028785.D  
Acq: 16 Sep 2017 4:02

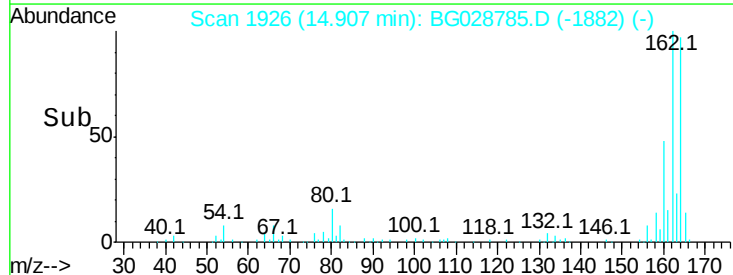
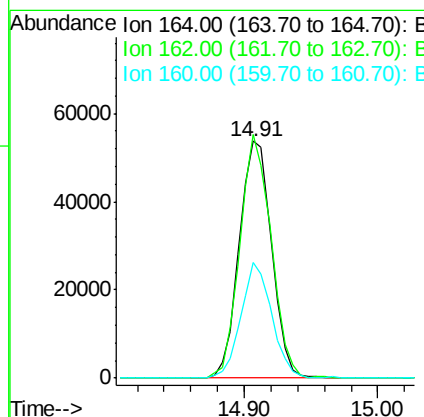
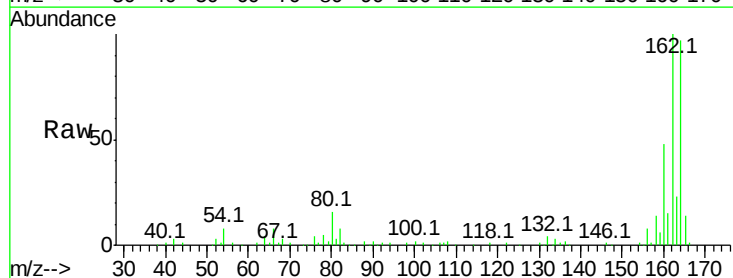
Instrument :  
BNA\_G  
ClientSampled :

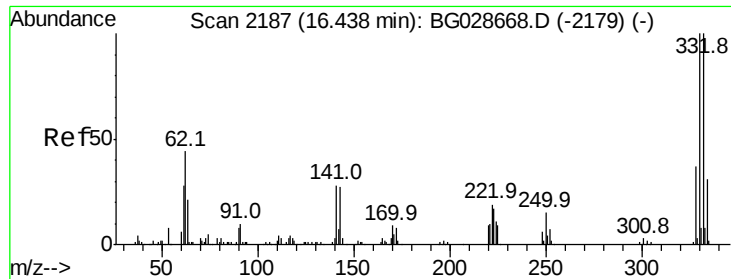
| Tot Ion | 82    | Resp  | 187018 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 37.1  | 26.4  | 39.6   |
| 54      | 55.7  | 49.4  | 74.2   |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.91 min Scan# 1926  
Delta R.T. -0.04 min  
Lab File: BG028785.D  
Acq: 16 Sep 2017 4:02

| Tgt Ion | 164   | Resp  | 89898 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 164     | 100   |       |       |
| 162     | 102.9 | 85.1  | 127.7 |
| 160     | 49.0  | 34.7  | 52.1  |

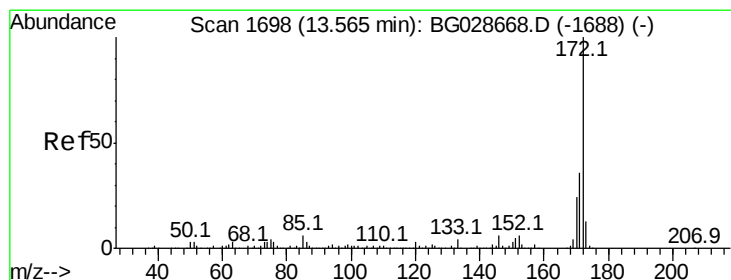
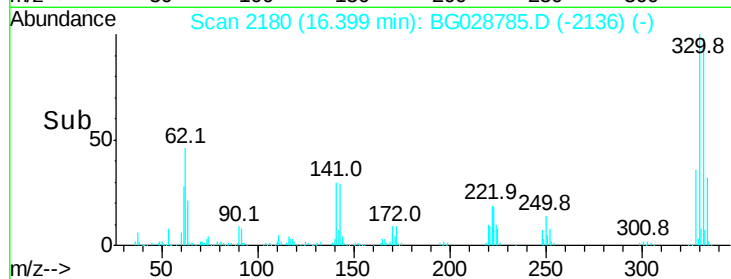
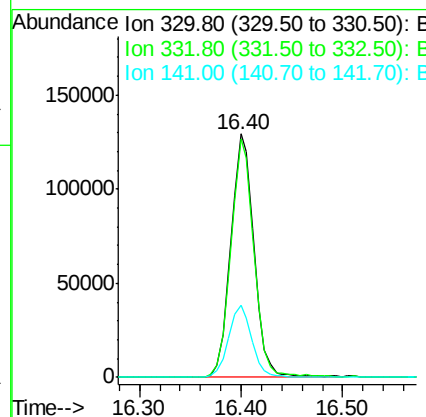
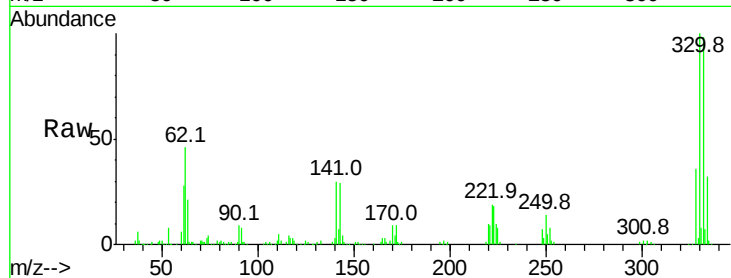




#41  
 2,4,6-Tribromophenol  
 Concen: 137.905 ng  
 RT: 16.40 min Scan# 2180  
 Delta R.T. -0.04 min  
 Lab File: BG028785.D  
 Acq: 16 Sep 2017 4:02

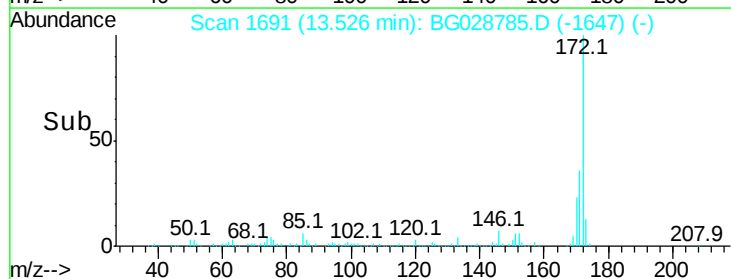
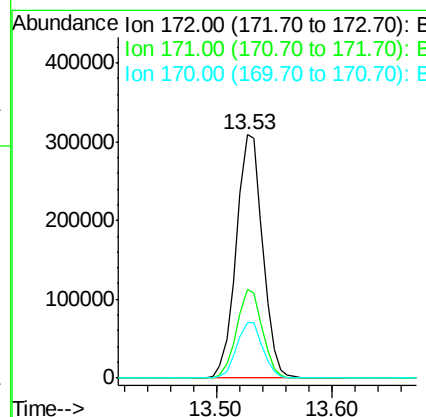
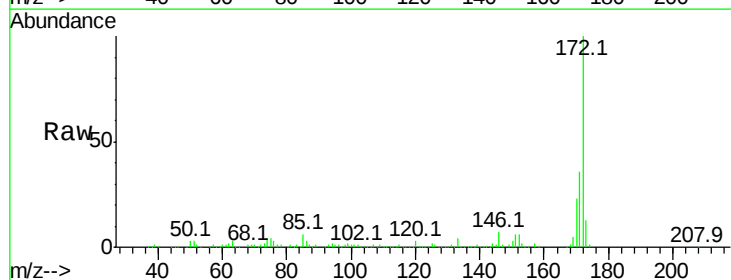
Instrument :  
 BNA\_G  
 ClientSampleId :

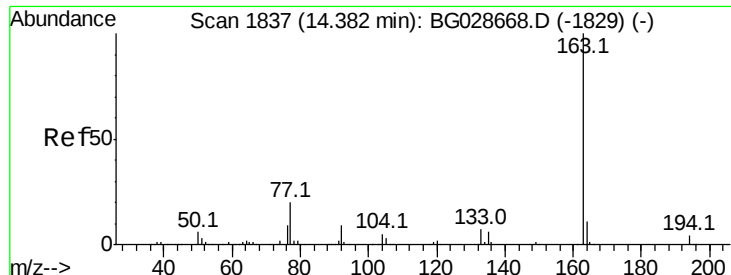
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 77.3  | 115.9 |
| 141     | 29.3  | 32.1  | 48.1# |



#44  
 2-Fluorobiphenyl  
 Concen: 72.381 ng  
 RT: 13.53 min Scan# 1691  
 Delta R.T. -0.04 min  
 Lab File: BG028785.D  
 Acq: 16 Sep 2017 4:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 32.2  | 48.2  |
| 170     | 22.8  | 21.8  | 32.6  |





#49

Dimethylphthalate

Concen: 6.335 ng

RT: 14.35 min Scan# 1831

Delta R.T. -0.03 min

Lab File: BG028785.D

Acq: 16 Sep 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

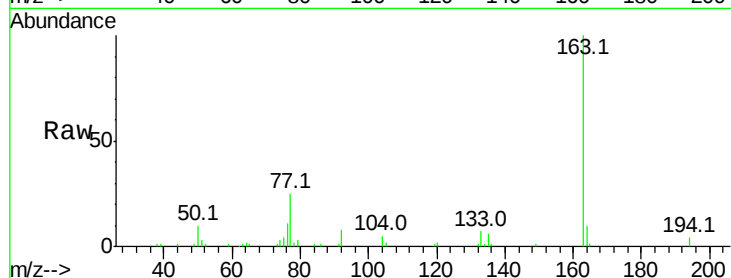
Tot Ion:163 Resp: 47755

Ion Ratio Lower Upper

163 100

194 3.8 3.8 5.6

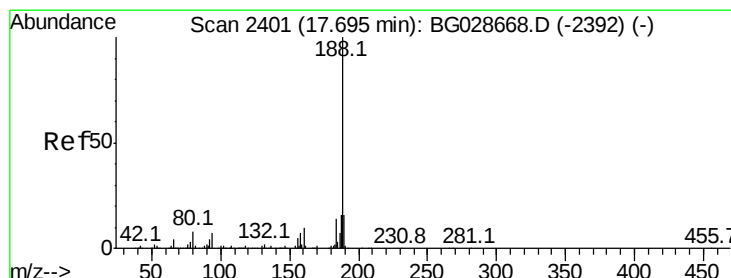
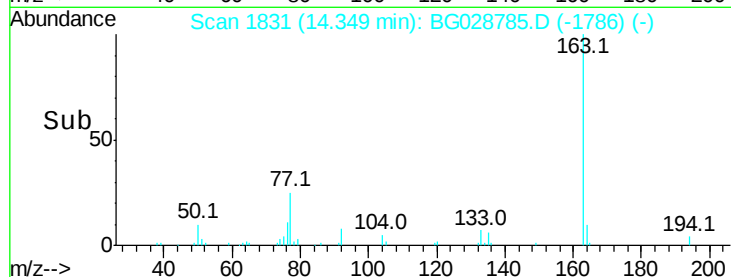
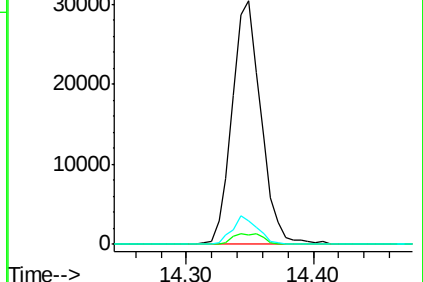
164 9.6 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.66 min Scan# 2395

Delta R.T. -0.03 min

Lab File: BG028785.D

Acq: 16 Sep 2017 4:02

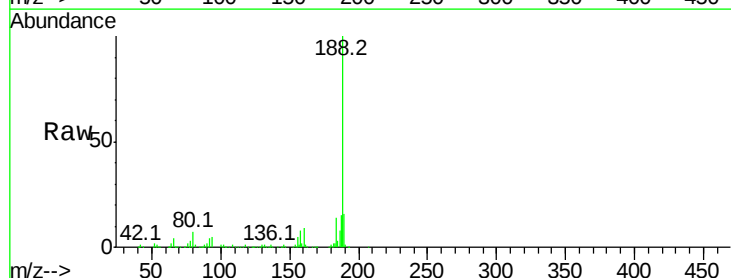
Tgt Ion:188 Resp: 252485

Ion Ratio Lower Upper

188 100

94 5.5 5.8 8.8#

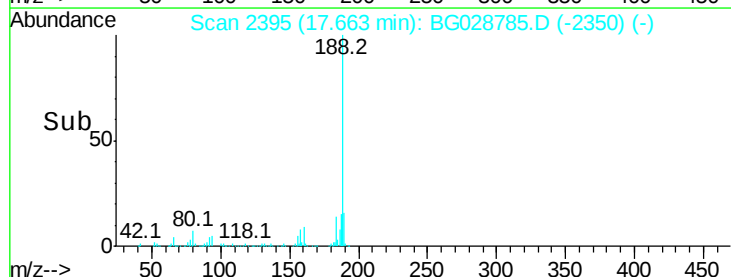
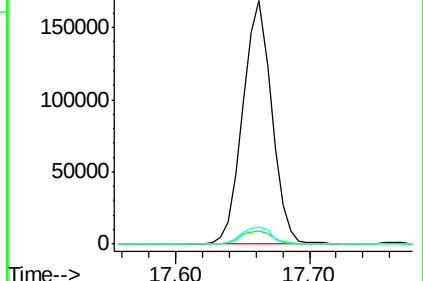
80 6.8 7.5 11.3#



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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.99 min Scan# 3131

Delta R.T. -0.04 min

Lab File: BG028785.D

Acq: 16 Sep 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

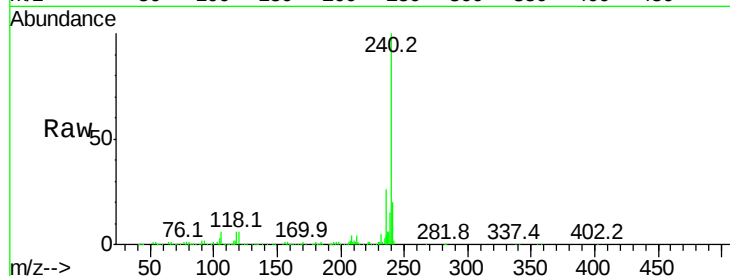
Tot Ion:240 Resp: 289394

Ion Ratio Lower Upper

240 100

120 6.5 5.7 8.5

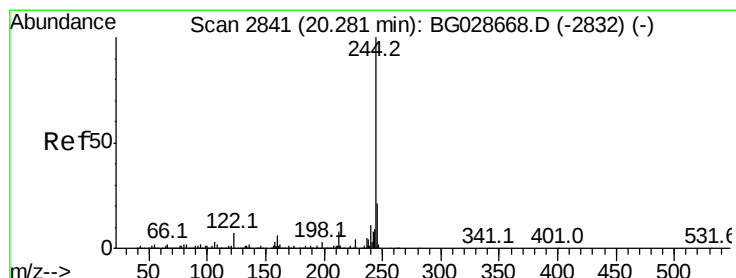
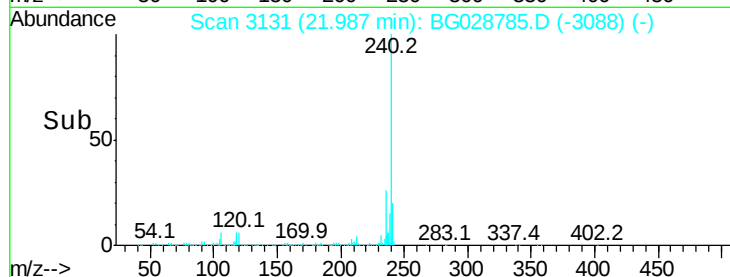
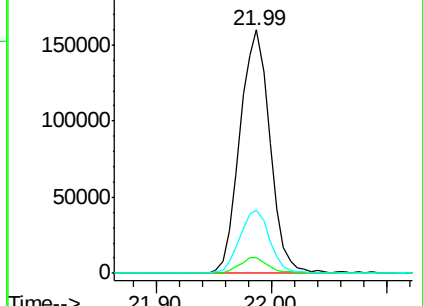
236 26.1 22.2 33.4



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 66.639 ng

RT: 20.25 min Scan# 2835

Delta R.T. -0.03 min

Lab File: BG028785.D

Acq: 16 Sep 2017 4:02

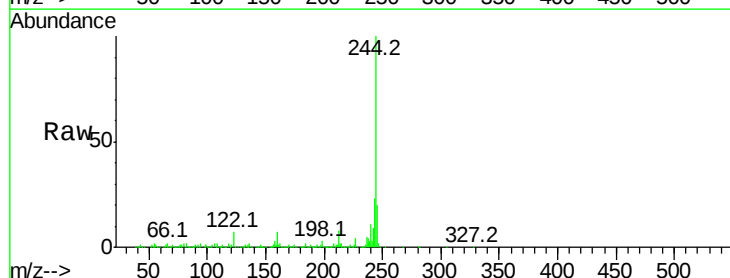
Tgt Ion:244 Resp: 904311

Ion Ratio Lower Upper

244 100

212 8.4 10.0 15.0#

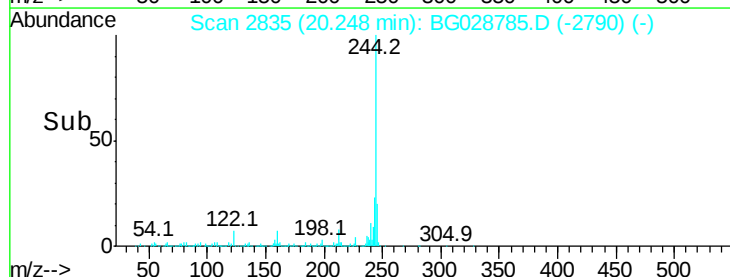
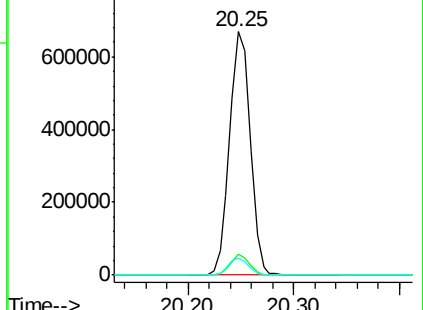
122 7.0 8.6 12.8#

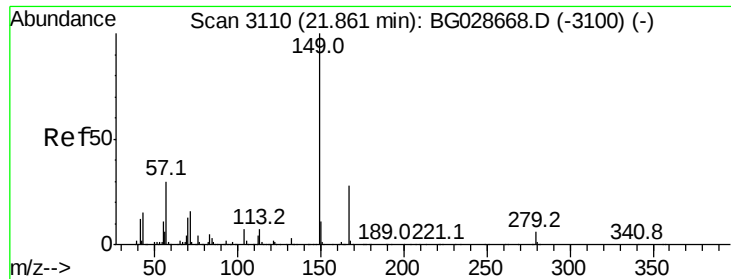


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 3.635 ng

RT: 21.82 min Scan# 3103

Delta R.T. -0.04 min

Lab File: BG028785.D

Acq: 16 Sep 2017 4:02

Instrument :

BNA\_G

ClientSampleId :

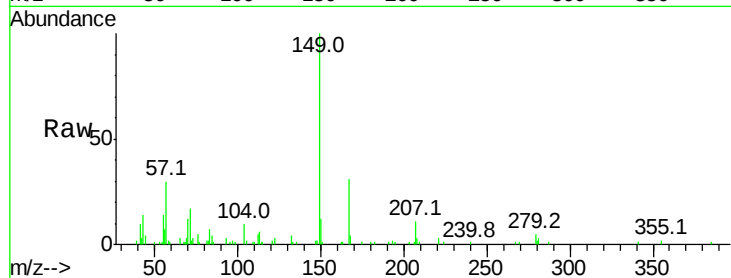
Tot Ion:149 Resp: 34837

Ion Ratio Lower Upper

149 100

167 31.3 23.7 35.5

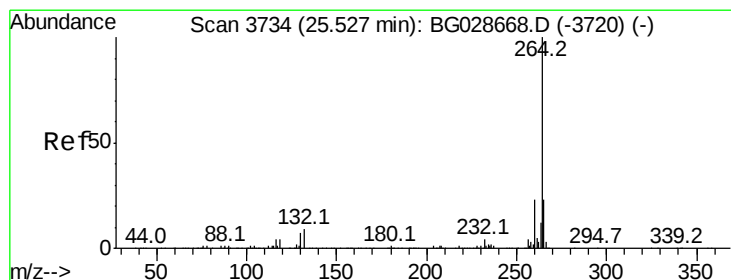
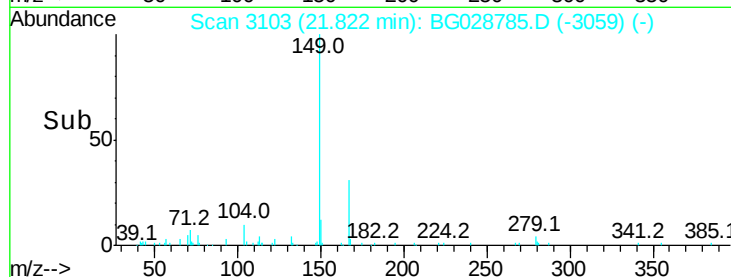
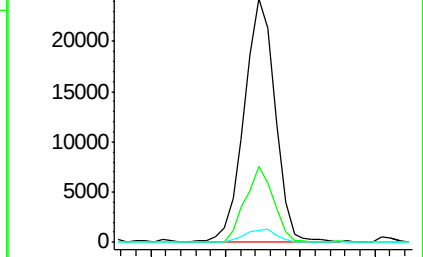
279 4.9 4.6 6.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.45 min Scan# 3721

Delta R.T. -0.07 min

Lab File: BG028785.D

Acq: 16 Sep 2017 4:02

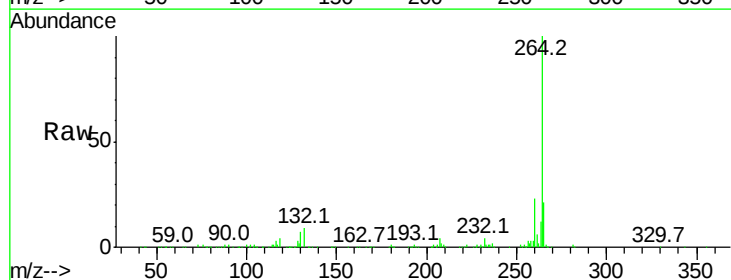
Tgt Ion:264 Resp: 303874

Ion Ratio Lower Upper

264 100

260 22.6 21.8 32.8

265 21.0 18.2 27.4



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

