

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071616\  
 Data File : BG023141.D  
 Acq On : 16 Jul 2016 10:58  
 Operator : UM/SJ  
 Sample : H4016-11  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C5-17

Quant Time: Jul 18 01:18:57 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG070816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 12 18:30:58 2016  
 Response via : Initial Calibration

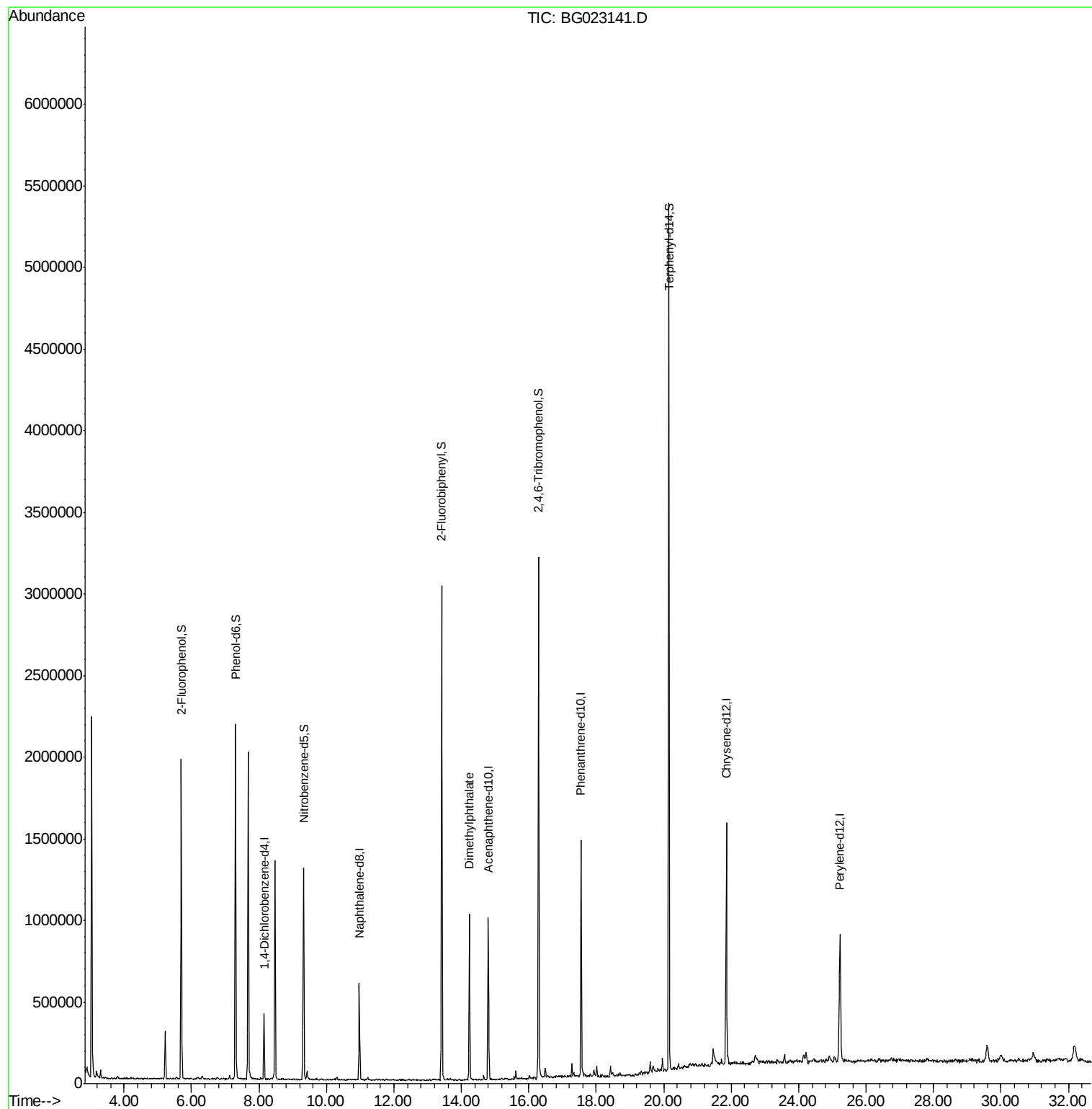
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.15  | 152  | 99898    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 10.97 | 136  | 455878   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.80 | 164  | 348992   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.55 | 188  | 850391   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.86 | 240  | 936850   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 25.22 | 264  | 933724   | 20.00  | ng    | 0.04         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.69  | 112  | 766631   | 125.51 | ng    | 0.00         |
| 7) Phenol-d6                | 7.30  | 99   | 1210234  | 126.50 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 852577   | 80.08  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 594356   | 94.76  | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 1539884  | 69.50  | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.15 | 244  | 2155712  | 67.38  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.24 | 163  | 627067   | 22.00  | ng    | Qvalue<br>98 |

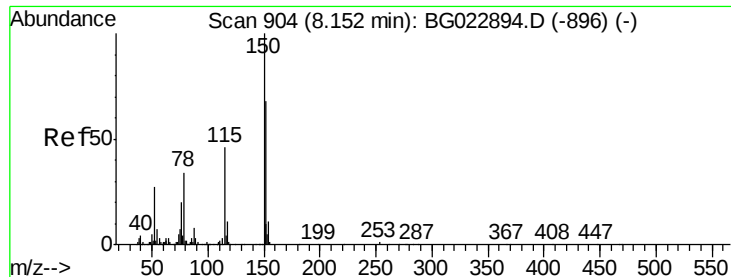
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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C5-17

Quant Time: Jul 18 01:18:57 2016  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG070816.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 12 18:30:58 2016  
Response via : Initial Calibration



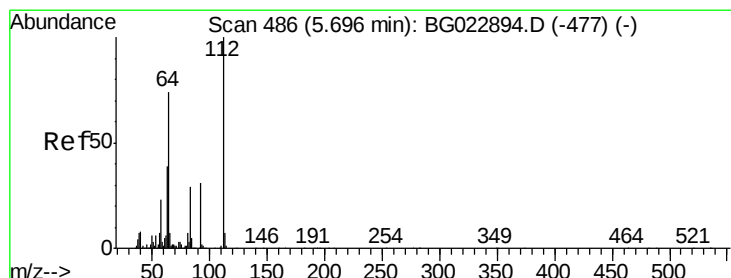
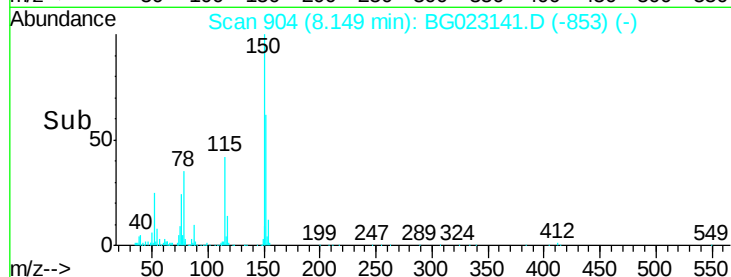
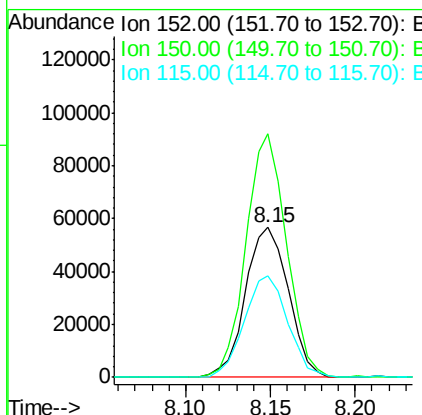
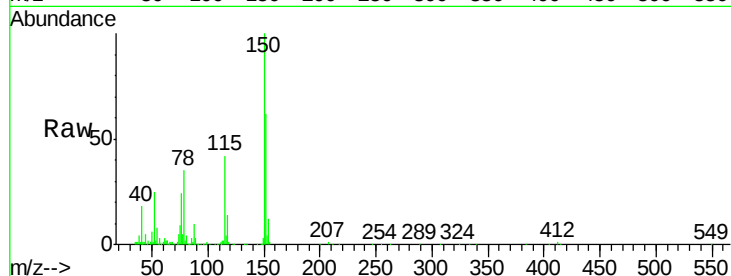


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.15 min Scan# 904  
Delta R.T. -0.00 min  
Lab File: BG023141.D  
Acq: 16 Jul 2016 10:58

Instrument :  
BNA\_G  
ClientSampleId :  
C5-17

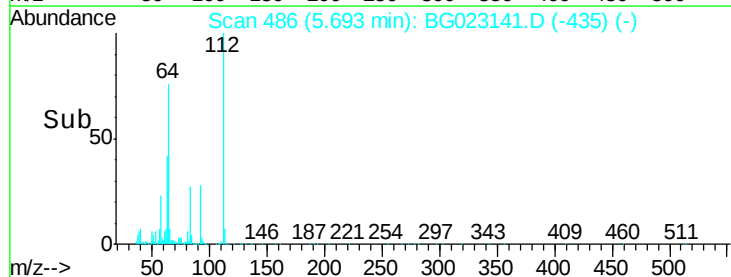
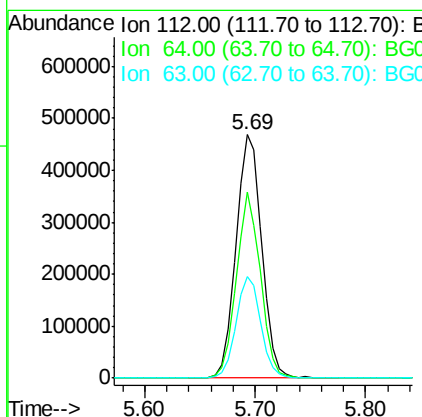
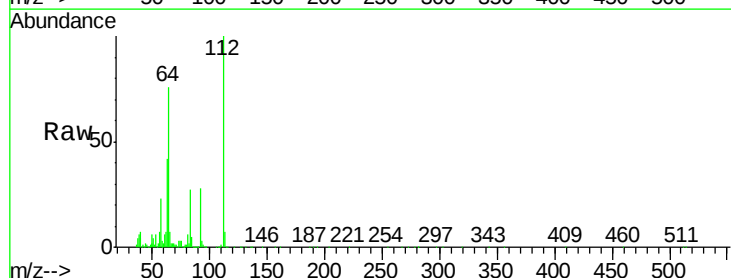
Tgt Ion:152 Resp: 99898  
Ion Ratio Lower Upper  
152 100  
150 162.2 144.7 217.1  
115 67.6 64.0 96.0

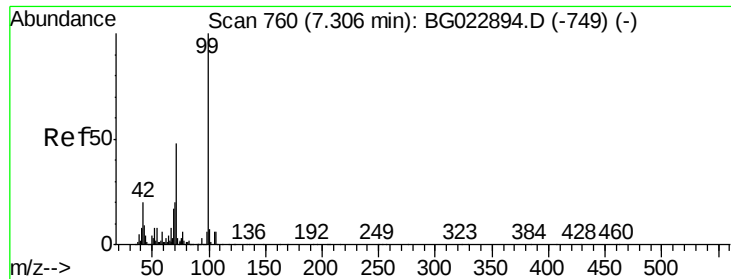


#5

2-Fluorophenol  
Concen: 125.51 ng  
RT: 5.69 min Scan# 486  
Delta R.T. -0.00 min  
Lab File: BG023141.D  
Acq: 16 Jul 2016 10:58

Tgt Ion:112 Resp: 766631  
Ion Ratio Lower Upper  
112 100  
64 76.3 59.0 88.4  
63 41.5 37.8 56.8





#7

Phenol-d6

Concen: 126.50 ng

RT: 7.30 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG023141.D

Acq: 16 Jul 2016 10:58

Instrument :

BNA\_G

ClientSampleId :

C5-17

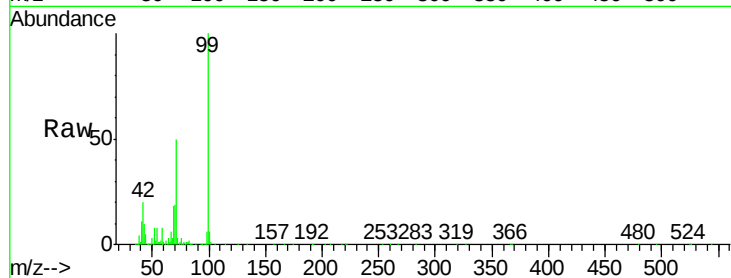
Tgt Ion: 99 Resp: 1210234

Ion Ratio Lower Upper

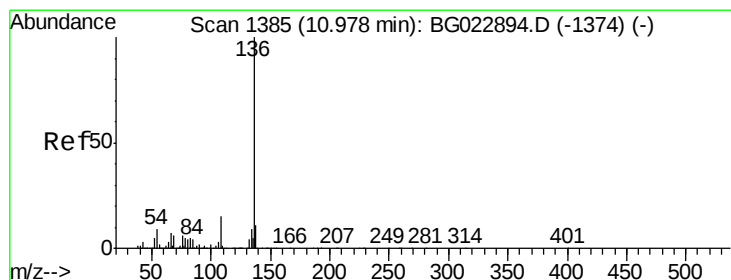
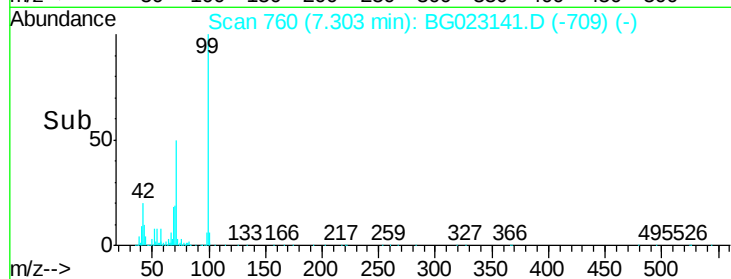
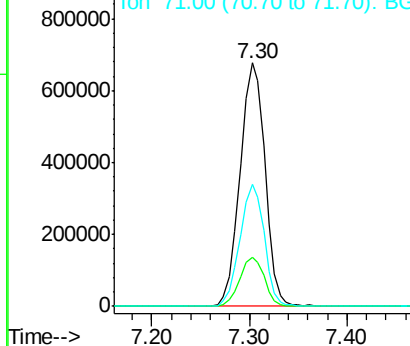
99 100

42 20.3 17.8 26.6

71 50.0 41.5 62.3



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: 20.00 ng

RT: 10.97 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BG023141.D

Acq: 16 Jul 2016 10:58

Tgt Ion: 136 Resp: 455878

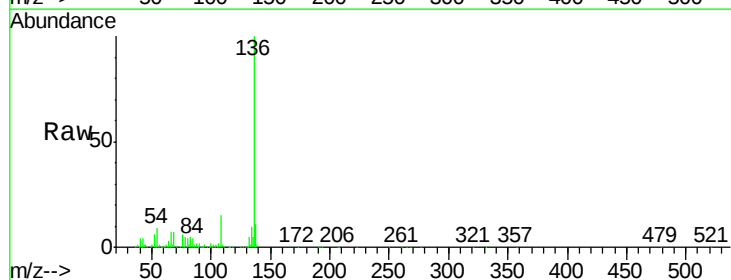
Ion Ratio Lower Upper

136 100

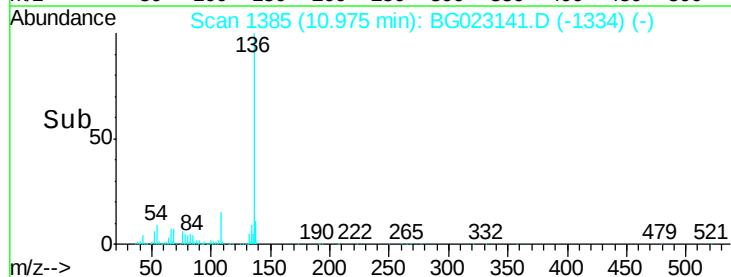
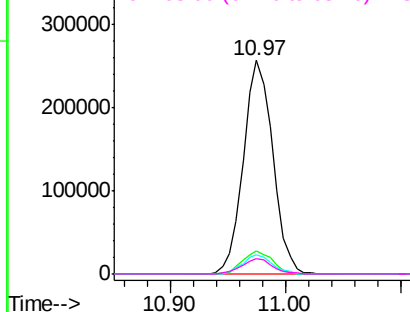
137 10.8 9.6 14.4

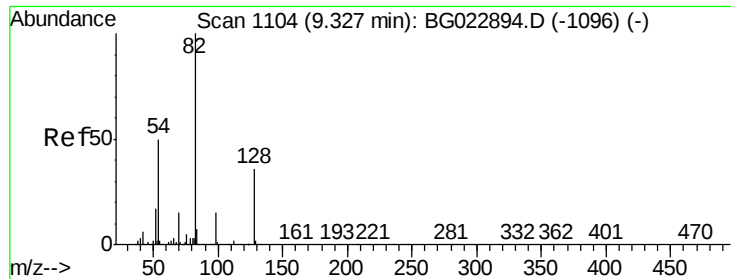
54 9.1 7.3 10.9

68 7.1 5.3 7.9



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: 80.08 ng

RT: 9.32 min Scan# 1104

Delta R.T. -0.00 min

Lab File: BG023141.D

Acq: 16 Jul 2016 10:58

Instrument :

BNA\_G

ClientSampleId :

C5-17

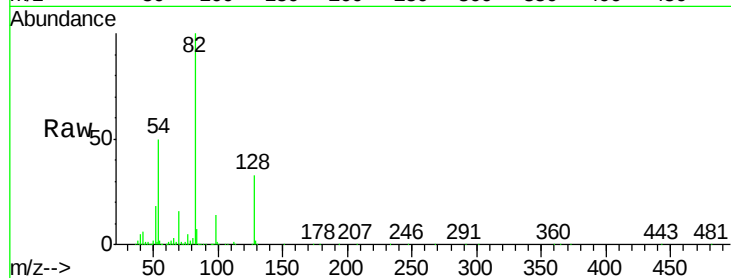
Tgt Ion: 82 Resp: 852577

Ion Ratio Lower Upper

82 100

128 32.8 24.4 36.6

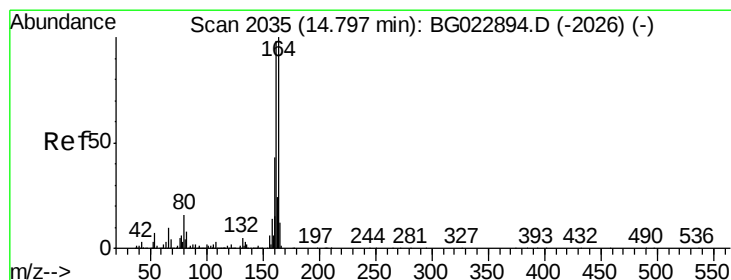
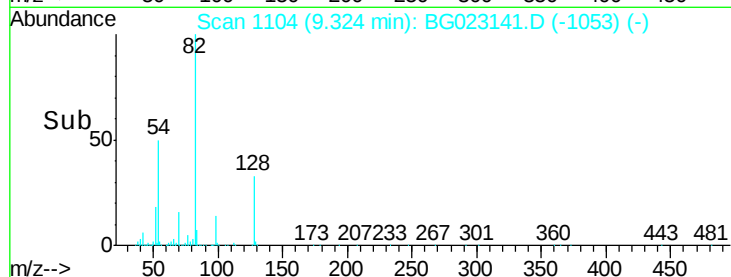
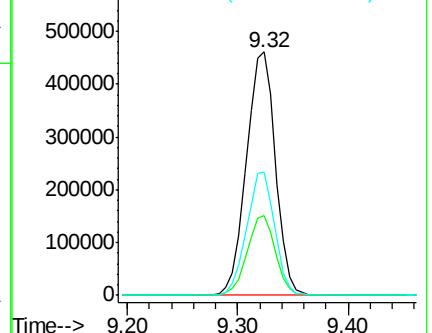
54 50.4 41.4 62.0



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2036

Delta R.T. 0.00 min

Lab File: BG023141.D

Acq: 16 Jul 2016 10:58

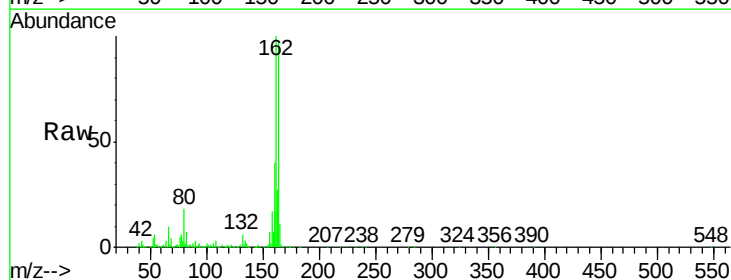
Tgt Ion: 164 Resp: 348992

Ion Ratio Lower Upper

164 100

162 102.9 87.7 131.5

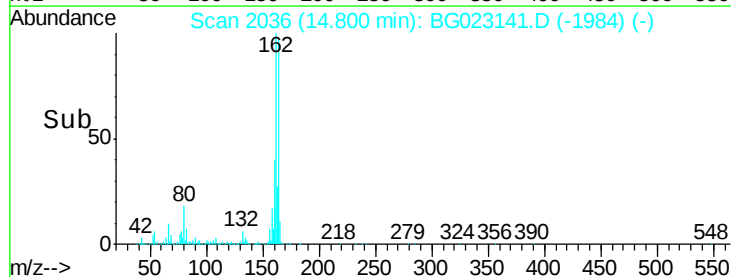
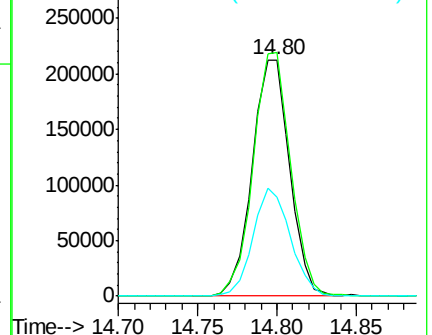
160 41.6 37.2 55.8

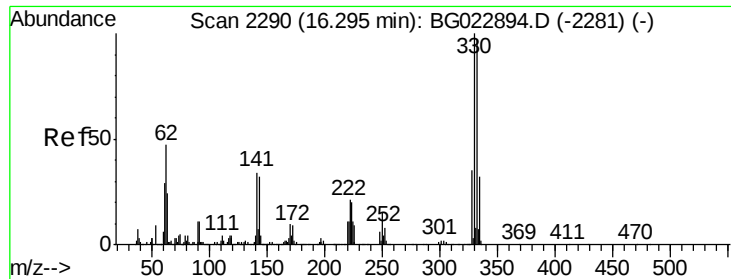


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

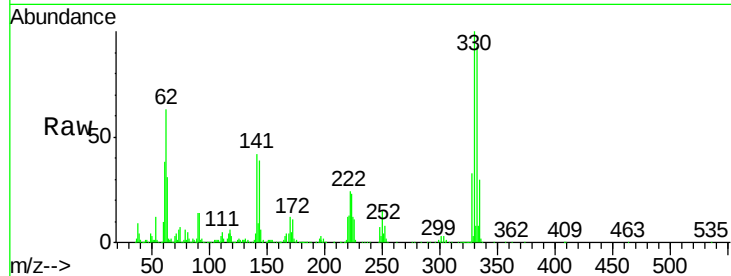




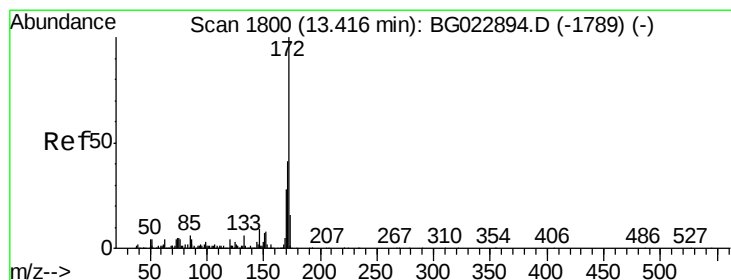
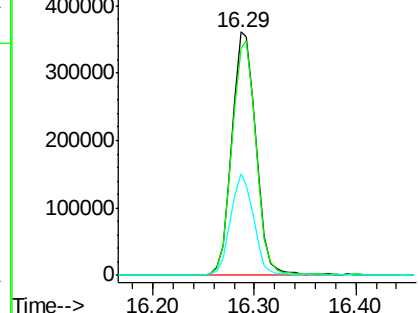
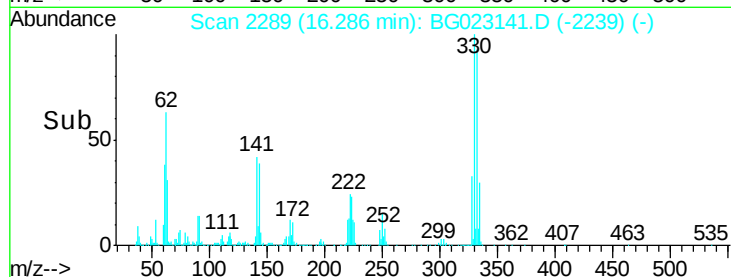
#41  
 2,4,6-Tribromophenol  
 Concen: 94.76 ng  
 RT: 16.29 min Scan# 2289  
 Delta R.T. -0.01 min  
 Lab File: BG023141.D  
 Acq: 16 Jul 2016 10:58

Instrument :  
 BNA\_G  
 ClientSampled :  
 C5-17

Tgt Ion:330 Resp: 594356  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 77.4 116.2  
 141 39.9 31.7 47.5

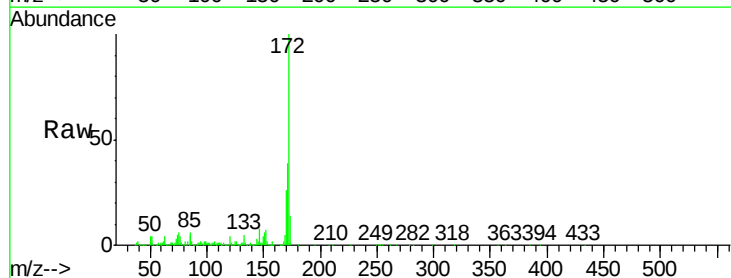


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

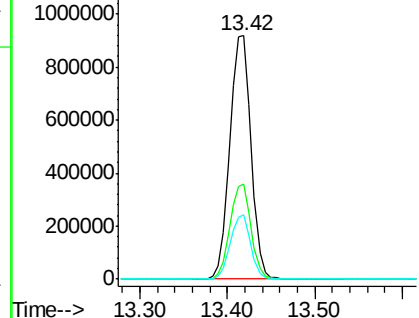
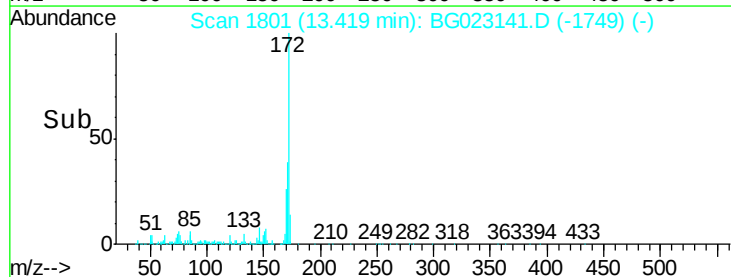


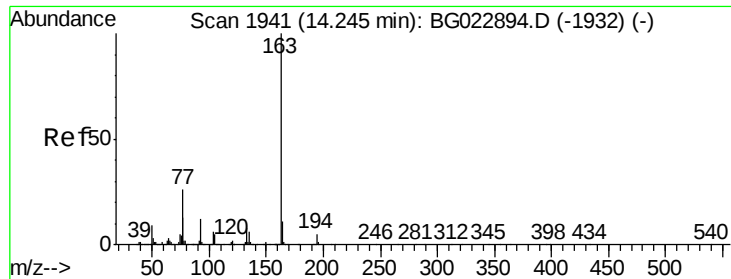
#44  
 2-Fluorobiphenyl  
 Concen: 69.50 ng  
 RT: 13.42 min Scan# 1801  
 Delta R.T. 0.00 min  
 Lab File: BG023141.D  
 Acq: 16 Jul 2016 10:58

Tgt Ion:172 Resp: 1539884  
 Ion Ratio Lower Upper  
 172 100  
 171 39.0 31.6 47.4  
 170 26.3 21.3 31.9



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: 22.00 ng

RT: 14.24 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BG023141.D

Acq: 16 Jul 2016 10:58

Instrument :

BNA\_G

ClientSampled :

C5-17

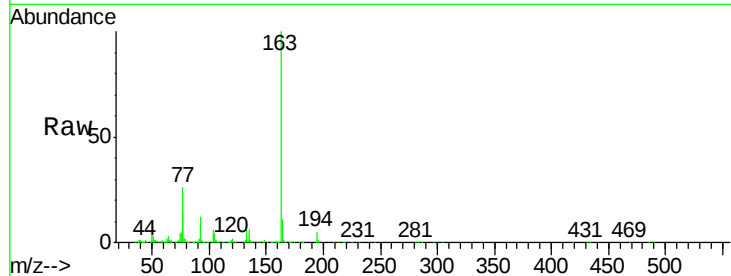
Tgt Ion:163 Resp: 627067

Ion Ratio Lower Upper

163 100

194 5.1 3.6 5.4

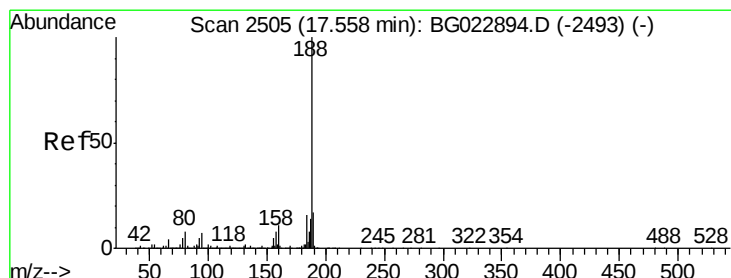
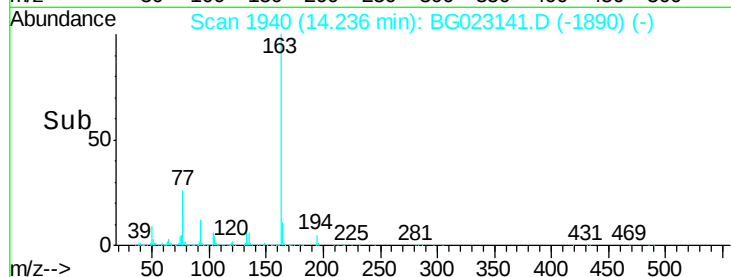
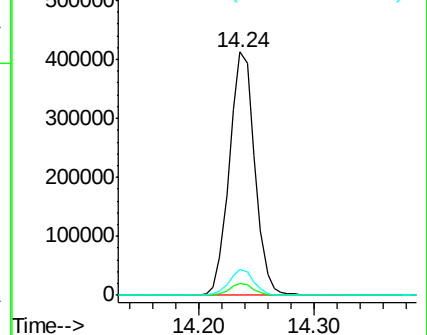
164 10.8 8.1 12.1



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: 20.00 ng

RT: 17.55 min Scan# 2504

Delta R.T. -0.01 min

Lab File: BG023141.D

Acq: 16 Jul 2016 10:58

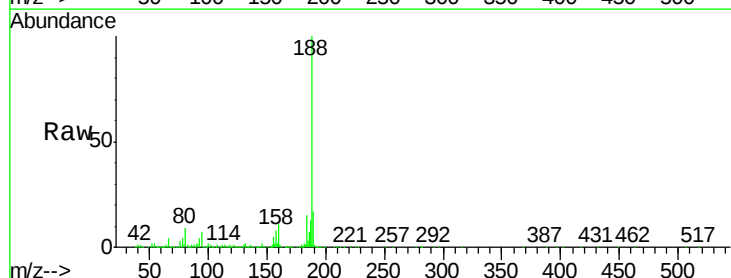
Tgt Ion:188 Resp: 850391

Ion Ratio Lower Upper

188 100

94 7.4 5.2 7.8

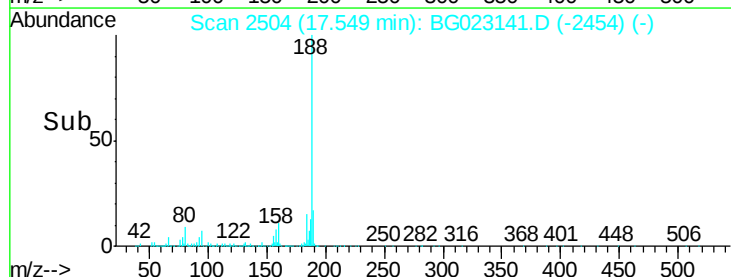
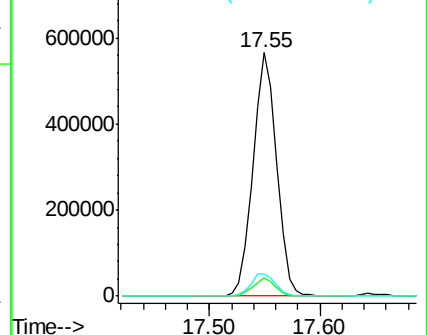
80 9.2 7.2 10.8

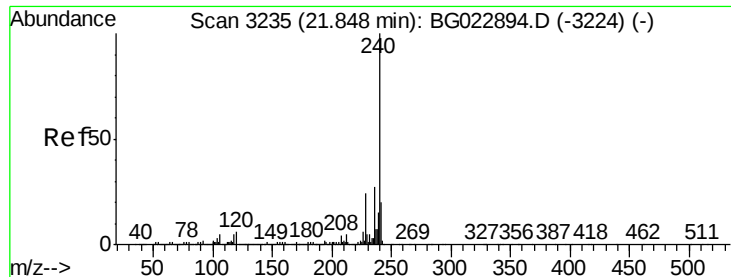


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.86 min Scan# 3237

Delta R.T. 0.01 min

Lab File: BG023141.D

Acq: 16 Jul 2016 10:58

Instrument :

BNA\_G

ClientSampleId :

C5-17

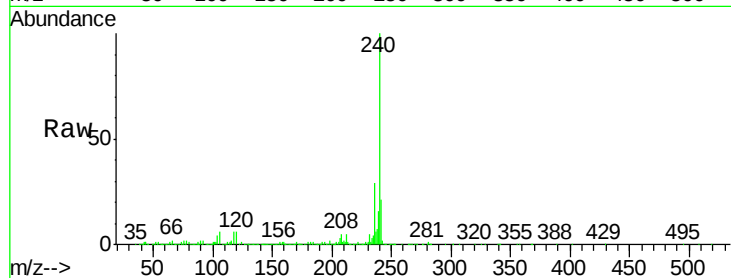
Tgt Ion:240 Resp: 936850

Ion Ratio Lower Upper

240 100

120 6.4 4.1 6.1#

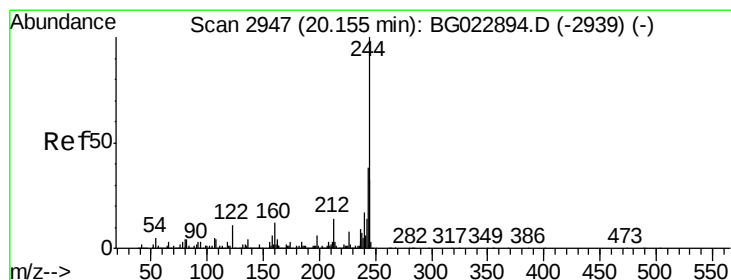
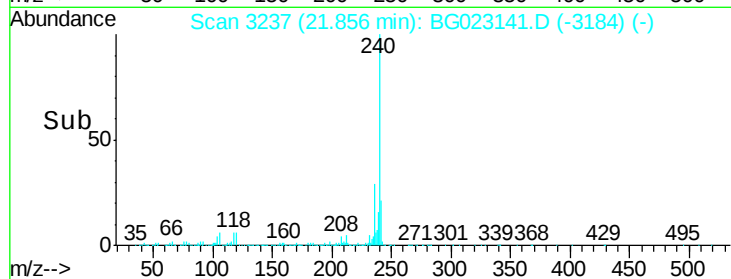
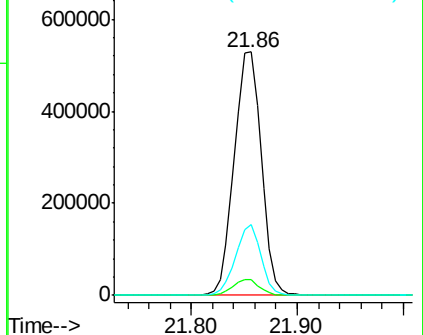
236 29.2 21.1 31.7



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: 67.38 ng

RT: 20.15 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BG023141.D

Acq: 16 Jul 2016 10:58

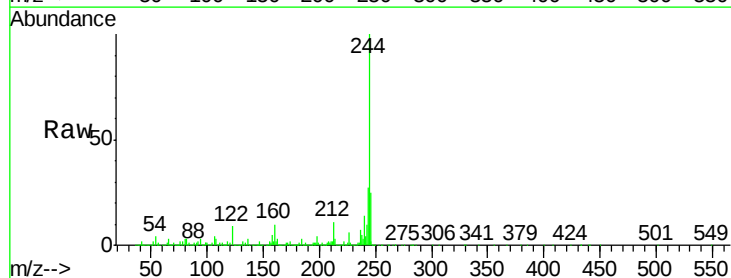
Tgt Ion:244 Resp: 2155712

Ion Ratio Lower Upper

244 100

212 11.3 10.8 16.2

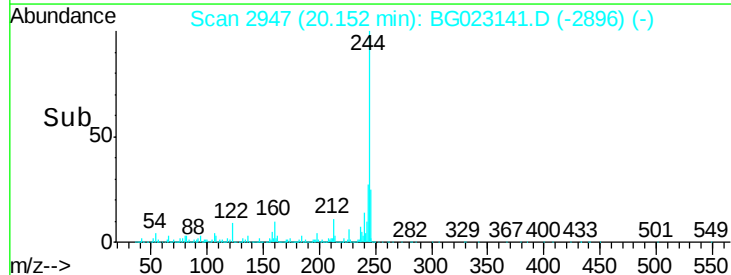
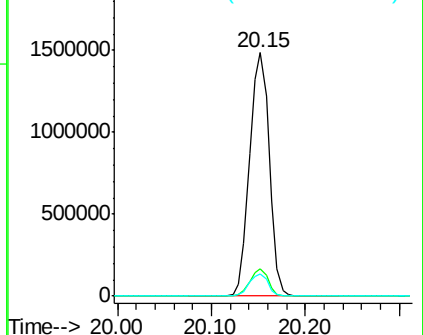
122 9.1 8.0 12.0

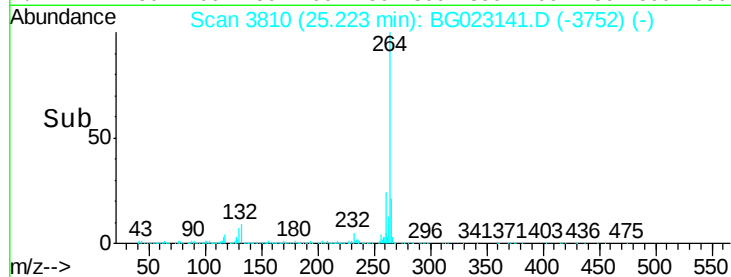
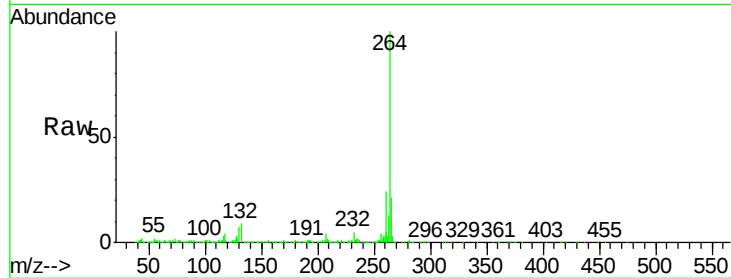
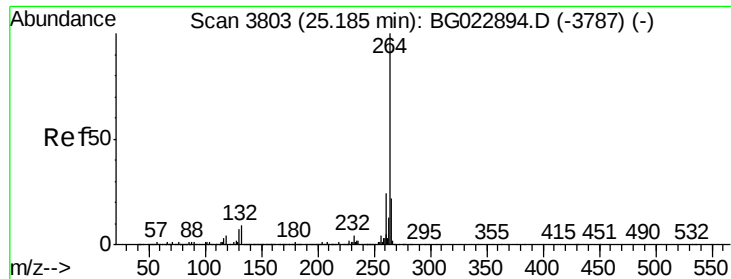


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.22 min Scan# 3810

Delta R.T. 0.04 min

Lab File: BG023141.D

Acq: 16 Jul 2016 10:58

Instrument :

BNA\_G

ClientSampleId :

C5-17

Tgt Ion:264 Resp: 933724

Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 20.7 18.9 28.3

