

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051215\  
 Data File : BG017098.D  
 Acq On : 13 May 2015 00:05  
 Operator : TP/IZ  
 Sample : G2194-13  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DUP-050615

Quant Time: May 13 03:44:09 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 13 03:27:55 2015  
 Response via : Initial Calibration

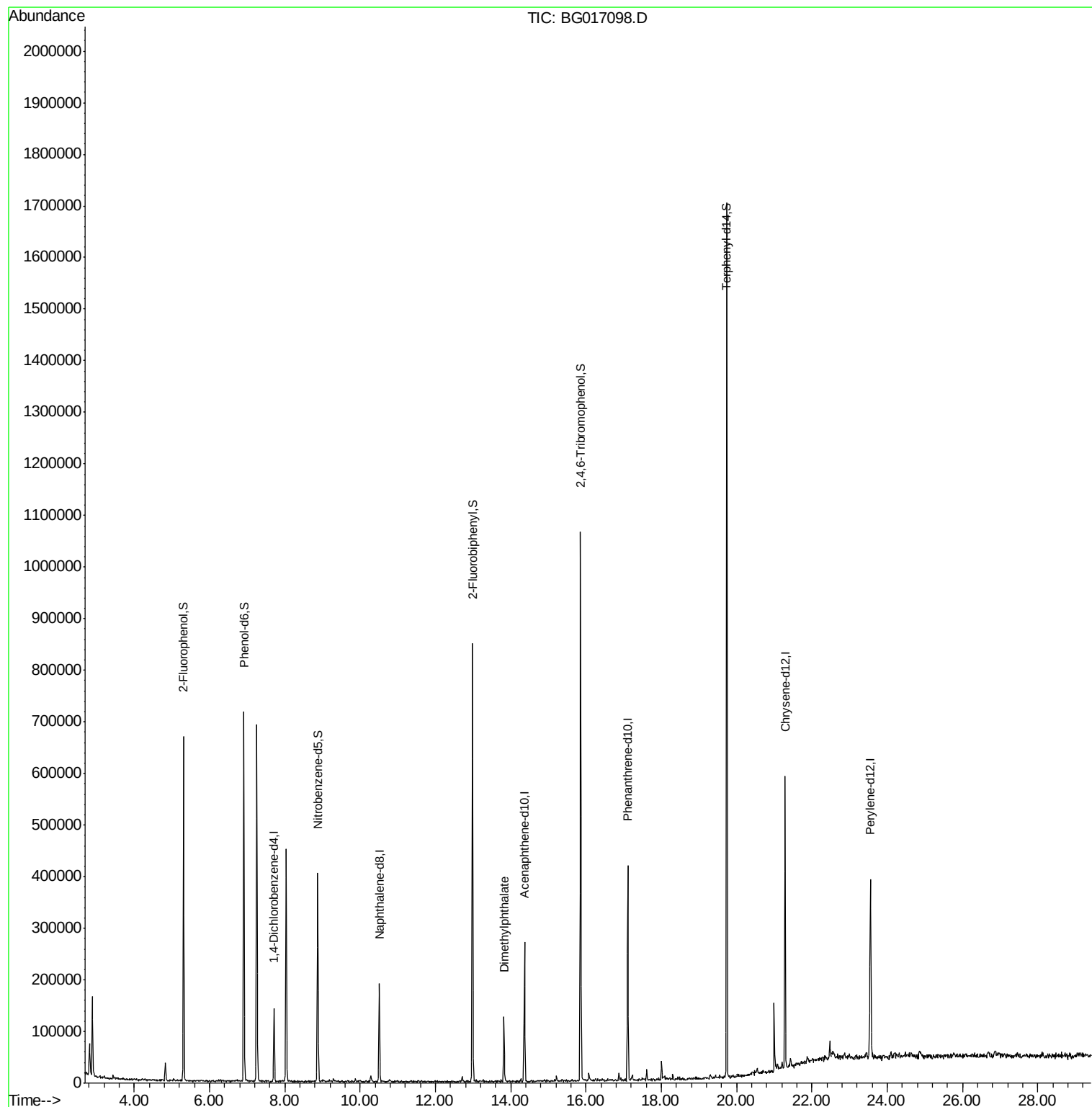
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|-----------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.72  | 152  | 29715    | 20.00     | ng    | 0.00        |
| 21) Naphthalene-d8          | 10.51 | 136  | 125644   | 20.00     | ng    | 0.00        |
| 38) Acenaphthene-d10        | 14.37 | 164  | 86826    | 20.00     | ng    | 0.00        |
| 63) Phenanthrene-d10        | 17.11 | 188  | 213630   | 20.00     | ng    | 0.00        |
| 75) Chrysene-d12            | 21.29 | 240  | 244145   | 20.00     | ng    | -0.01       |
| 86) Perylene-d12            | 23.56 | 264  | 248859   | 20.00     | ng    | -0.01       |
| System Monitoring Compounds |       |      |          |           |       |             |
| 5) 2-Fluorophenol           | 5.31  | 112  | 206969   | 121.28    | ng    | 0.00        |
| 7) Phenol-d6                | 6.91  | 99   | 269563   | 110.56    | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 8.88  | 82   | 189571   | 73.71     | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol    | 15.86 | 330  | 135853   | 155.86    | ng    | 0.00        |
| 44) 2-Fluorobiphenyl        | 12.98 | 172  | 351548   | 61.10     | ng    | 0.00        |
| 78) Terphenyl-d14           | 19.74 | 244  | 651364   | 62.54     | ng    | 0.00        |
| Target Compounds            |       |      |          |           |       |             |
| 32) Benzoic acid            | 9.68  | 122  | 72       | Below Cal |       | Qvalue # 24 |
| 49) Dimethylphthalate       | 13.82 | 163  | 64840    | 10.00     | ng    | 98          |

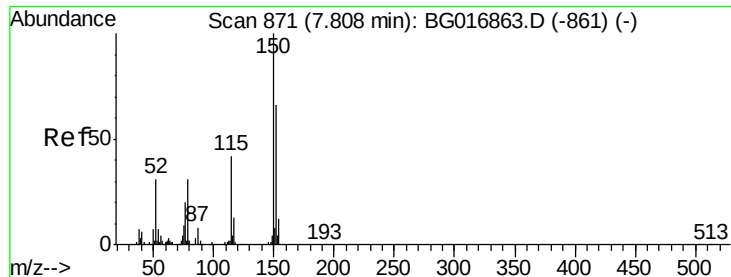
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG051215\  
Data File : BG017098.D  
Acq On : 13 May 2015 00:05  
Operator : TP/IZ  
Sample : G2194-13  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
DUP-050615

Quant Time: May 13 03:44:09 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed May 13 03:27:55 2015  
Response via : Initial Calibration



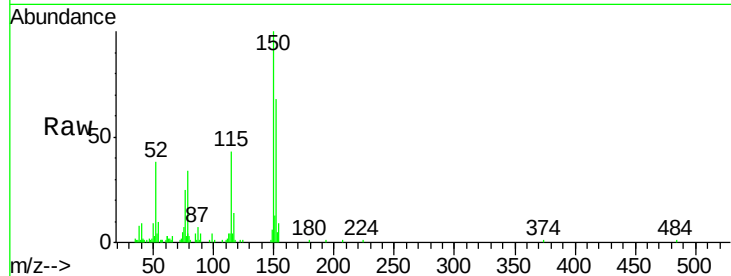


#1

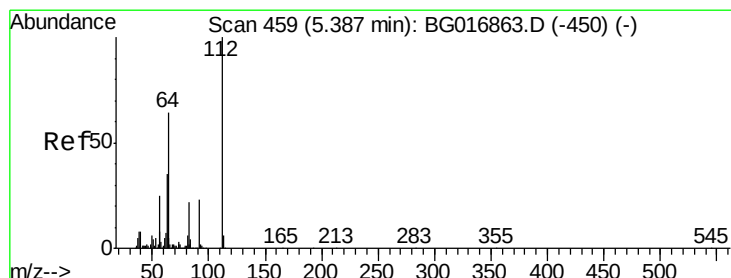
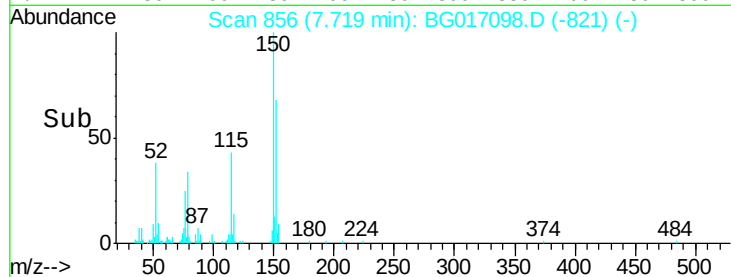
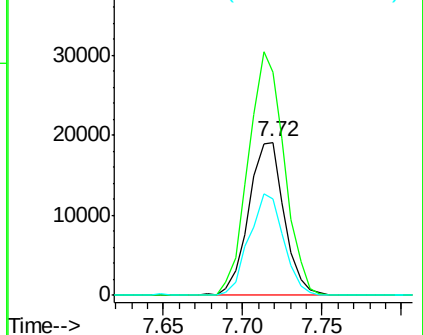
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.72 min Scan# 856  
Delta R.T. 0.01 min  
Lab File: BG017098.D  
Acq: 13 May 2015 00:05

Instrument :  
BNA\_G  
ClientSampleId :  
DUP-050615

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 146.2 | 121.0 | 181.4 |
| 115     | 63.1  | 50.5  | 75.7  |



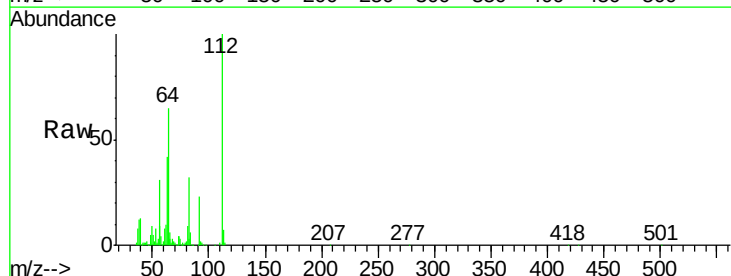
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



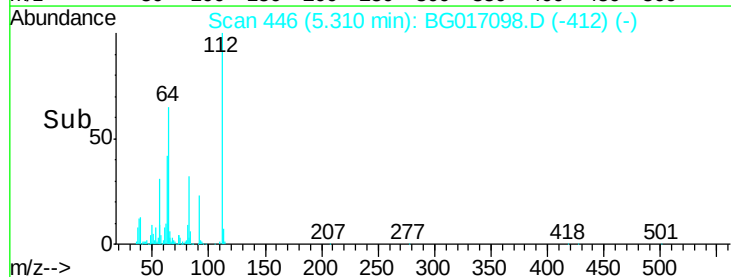
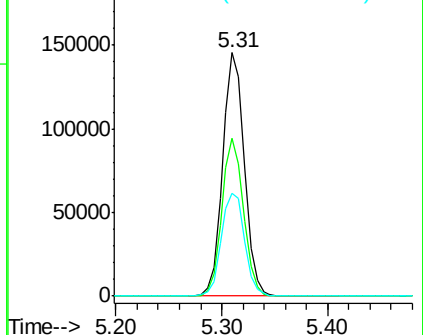
#5

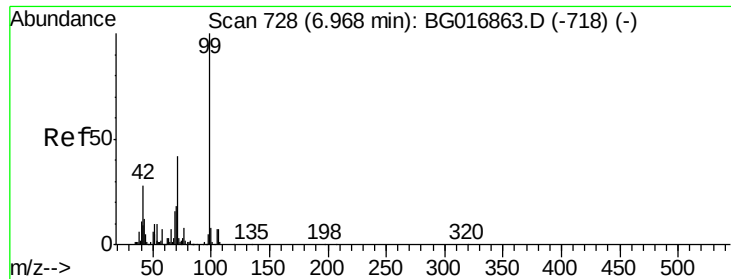
2-Fluorophenol  
Concen: 121.28 ng  
RT: 5.31 min Scan# 446  
Delta R.T. 0.00 min  
Lab File: BG017098.D  
Acq: 13 May 2015 00:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 65.0  | 51.4  | 77.2  |
| 63      | 42.4  | 28.1  | 42.1  |



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: 110.56 ng

RT: 6.91 min Scan# 719

Delta R.T. 0.00 min

Lab File: BG017098.D

Acq: 13 May 2015 00:05

Instrument :

BNA\_G

ClientSampleId :

DUP-050615

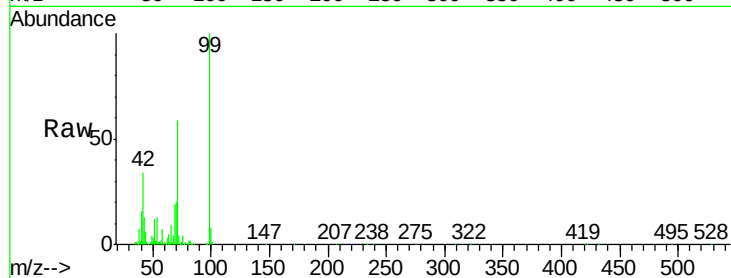
Tgt Ion: 99 Resp: 269563

Ion Ratio Lower Upper

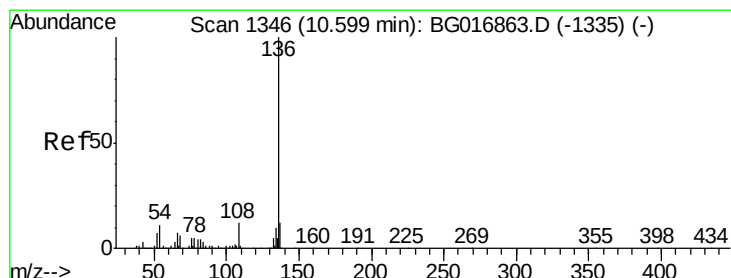
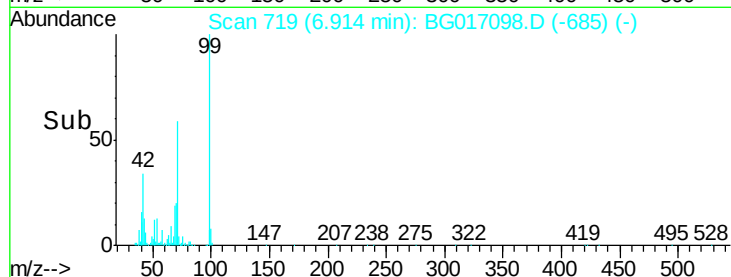
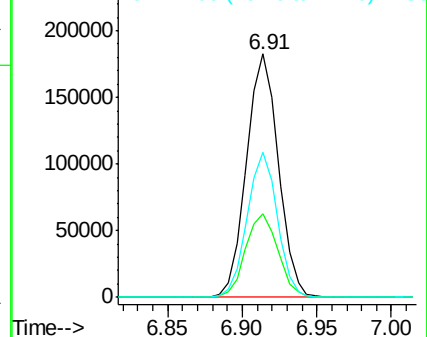
99 100

42 34.3 22.1 33.1#

71 59.4 33.4 50.0#



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: 10.51 min Scan# 1331

Delta R.T. 0.00 min

Lab File: BG017098.D

Acq: 13 May 2015 00:05

Tgt Ion: 136 Resp: 125644

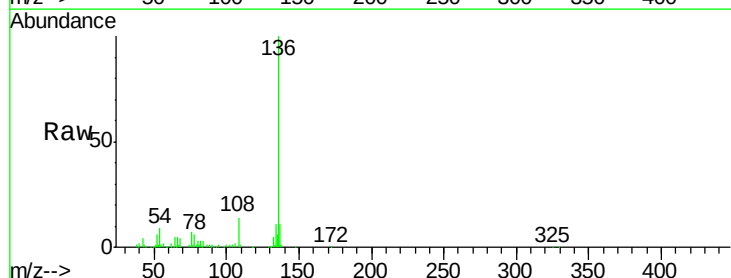
Ion Ratio Lower Upper

136 100

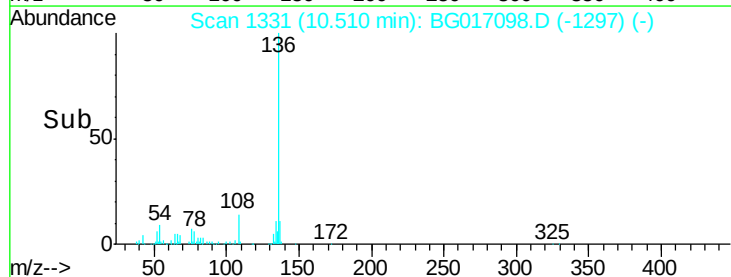
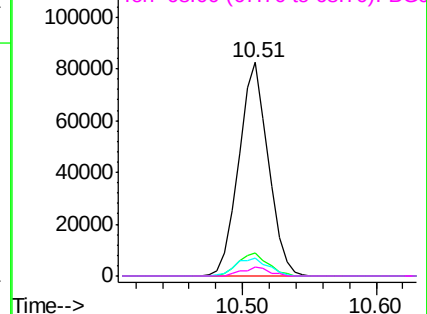
137 10.6 9.8 14.8

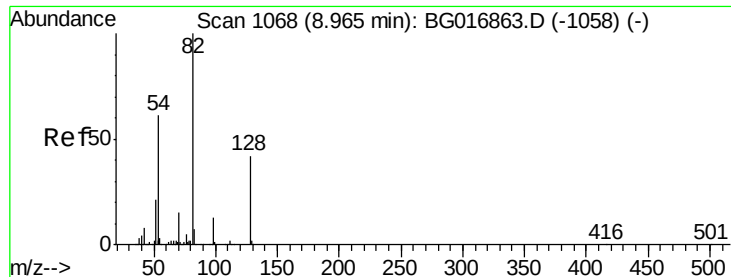
54 8.6 8.7 13.1#

68 4.3 5.0 7.4#



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

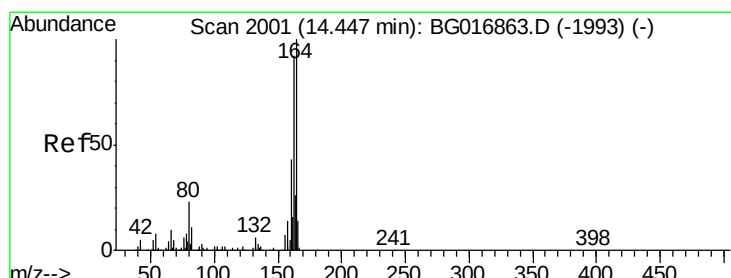
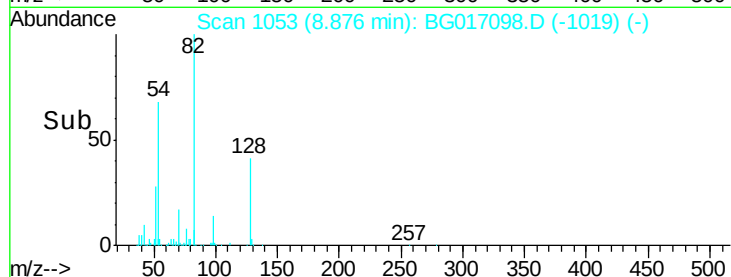
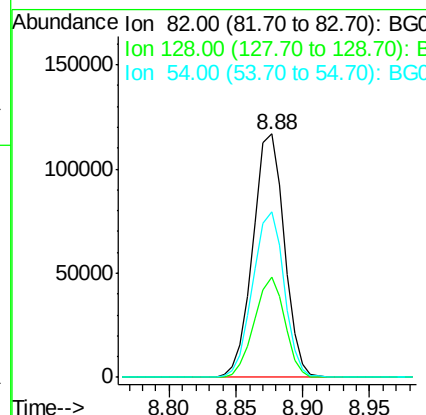
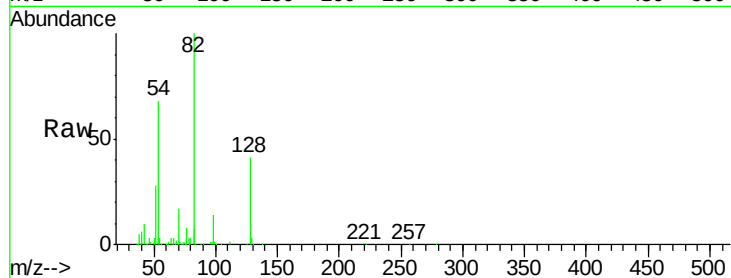




#23  
 Nitrobenzene-d5  
 Concen: 73.71 ng  
 RT: 8.88 min Scan# 1053  
 Delta R.T. 0.00 min  
 Lab File: BG017098.D  
 Acq: 13 May 2015 00:05

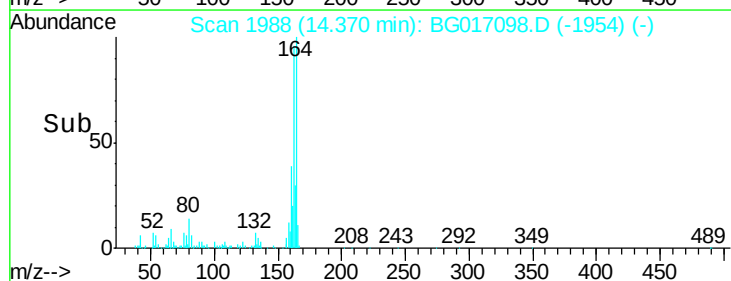
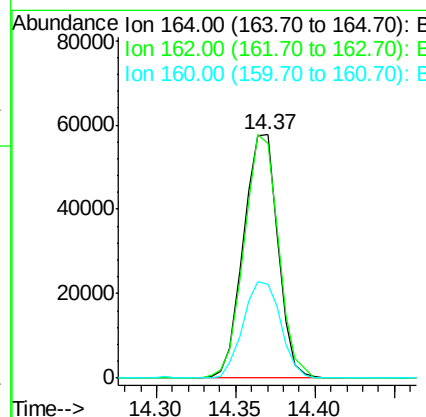
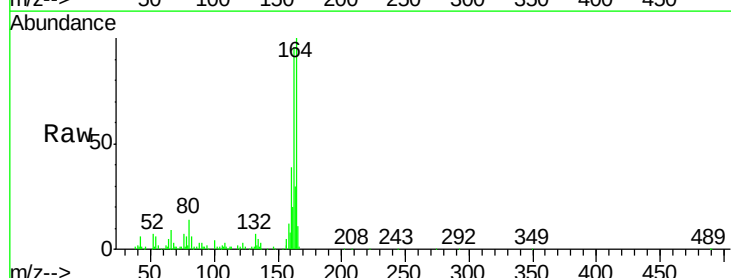
Instrument :  
 BNA\_G  
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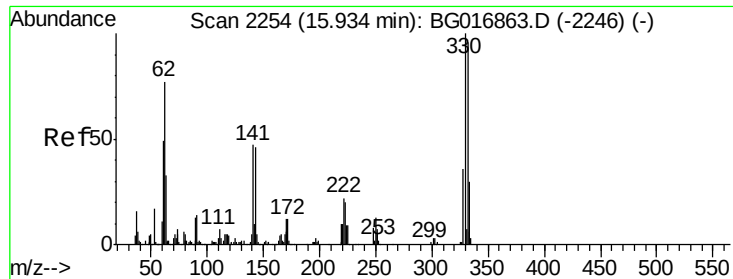
Tgt Ion: 82 Resp: 189571  
 Ion Ratio Lower Upper  
 82 100  
 128 41.4 33.2 49.8  
 54 68.2 48.6 72.8



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.37 min Scan# 1988  
 Delta R.T. 0.00 min  
 Lab File: BG017098.D  
 Acq: 13 May 2015 00:05

Tgt Ion: 164 Resp: 86826  
 Ion Ratio Lower Upper  
 164 100  
 162 96.4 74.0 111.0  
 160 38.8 34.7 52.1

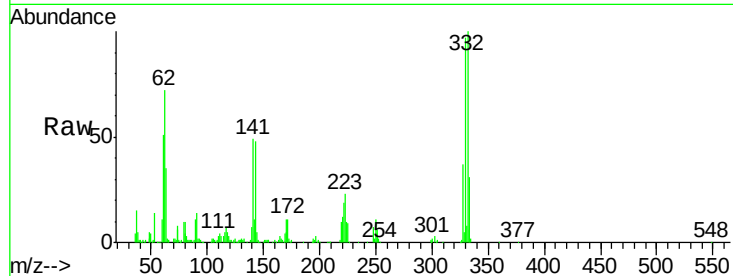




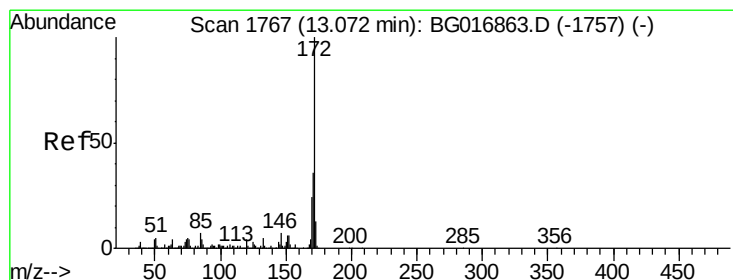
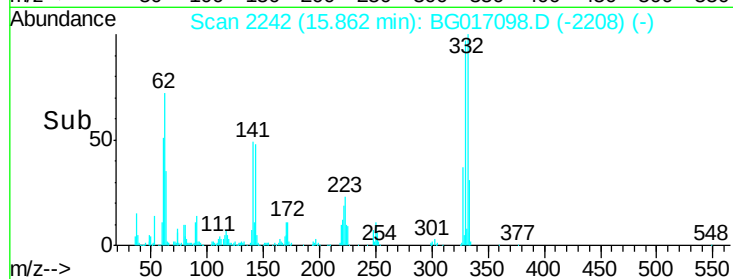
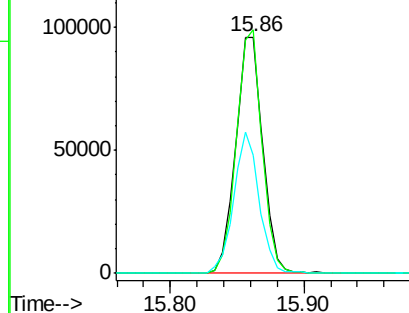
#41  
 2,4,6-Tribromophenol  
 Concen: 155.86 ng  
 RT: 15.86 min Scan# 2242  
 Delta R.T. 0.00 min  
 Lab File: BG017098.D  
 Acq: 13 May 2015 00:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 DUP-050615

Tgt Ion:330 Resp: 135853  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 0.0 0.0#  
 141 56.1 0.0 0.0#

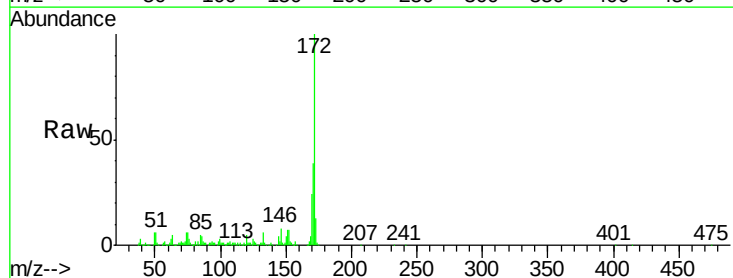


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

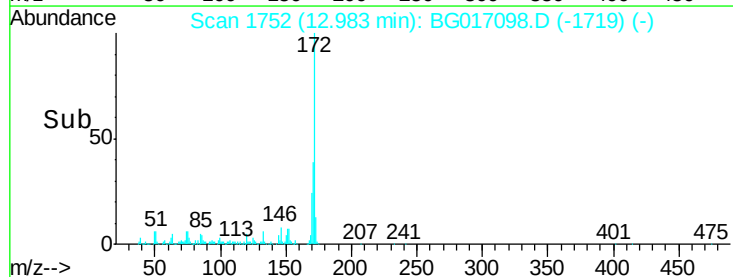
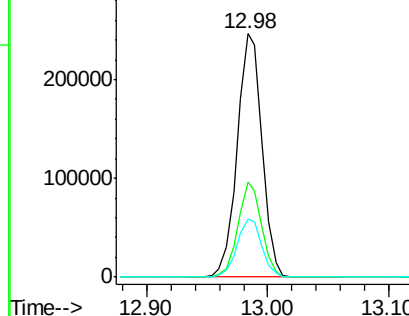


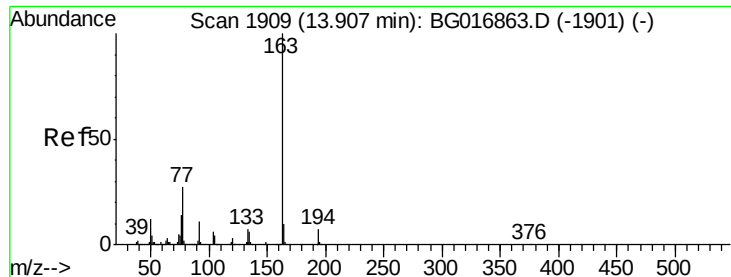
#44  
 2-Fluorobiphenyl  
 Concen: 61.10 ng  
 RT: 12.98 min Scan# 1752  
 Delta R.T. -0.01 min  
 Lab File: BG017098.D  
 Acq: 13 May 2015 00:05

Tgt Ion:172 Resp: 351548  
 Ion Ratio Lower Upper  
 172 100  
 171 39.2 29.0 43.4  
 170 24.0 19.0 28.4



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: 10.00 ng

RT: 13.82 min Scan# 1895

Delta R.T. -0.01 min

Lab File: BG017098.D

Acq: 13 May 2015 00:05

Instrument :

BNA\_G

ClientSampleId :

DUP-050615

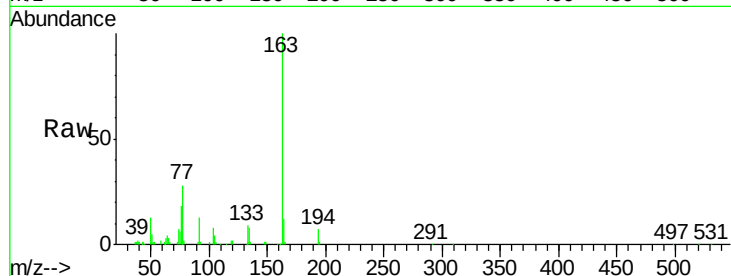
Tgt Ion:163 Resp: 64840

Ion Ratio Lower Upper

163 100

194 7.2 5.2 7.8

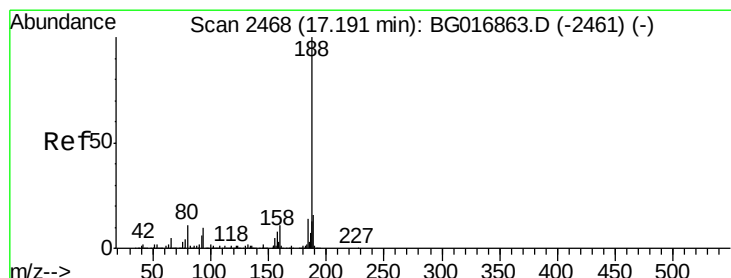
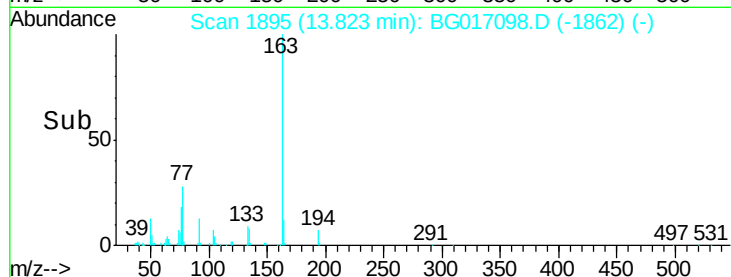
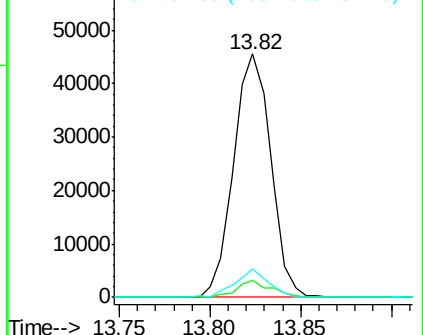
164 11.5 8.4 12.6



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: 17.11 min Scan# 2455

Delta R.T. 0.00 min

Lab File: BG017098.D

Acq: 13 May 2015 00:05

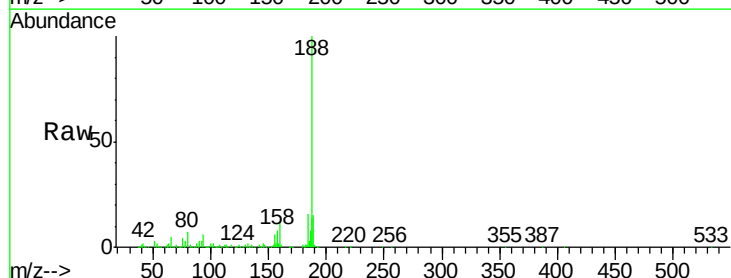
Tgt Ion:188 Resp: 213630

Ion Ratio Lower Upper

188 100

94 5.5 8.2 12.4#

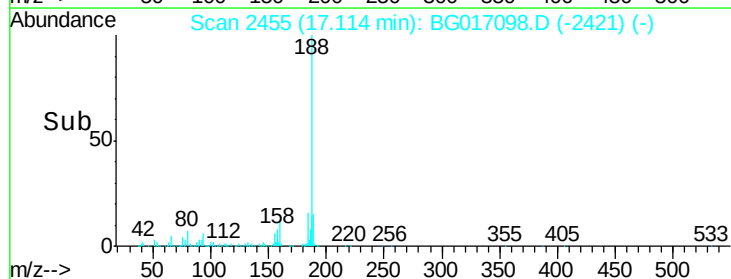
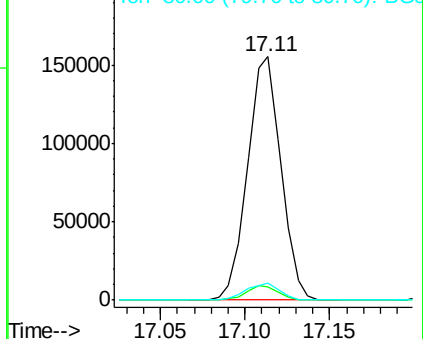
80 6.8 8.8 13.2#

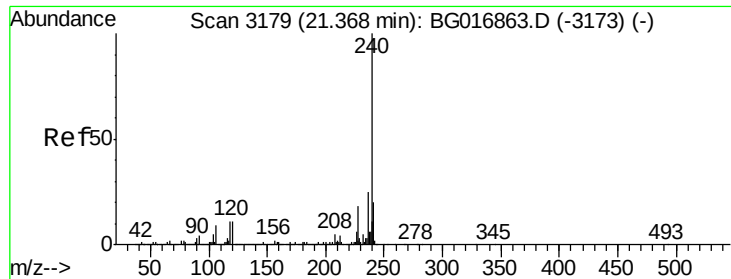


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.29 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BG017098.D

Acq: 13 May 2015 00:05

Instrument :

BNA\_G

ClientSampleId :

DUP-050615

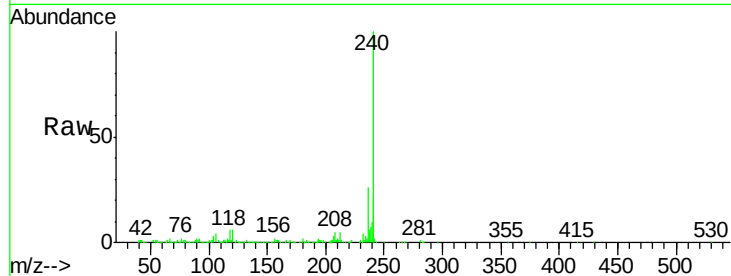
Tgt Ion:240 Resp: 244145

Ion Ratio Lower Upper

240 100

120 6.3 9.1 13.7#

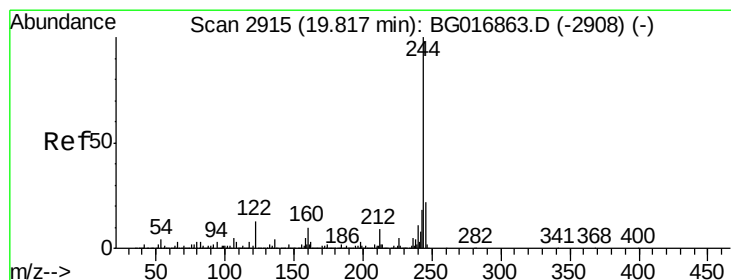
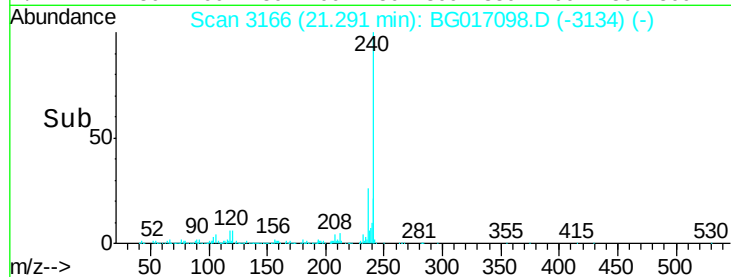
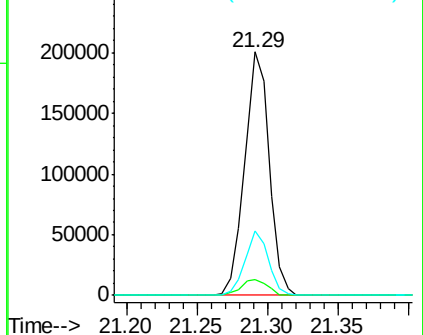
236 26.3 20.2 30.4



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: 62.54 ng

RT: 19.74 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG017098.D

Acq: 13 May 2015 00:05

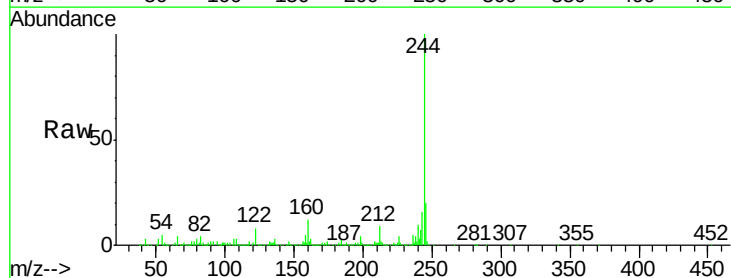
Tgt Ion:244 Resp: 651364

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.6

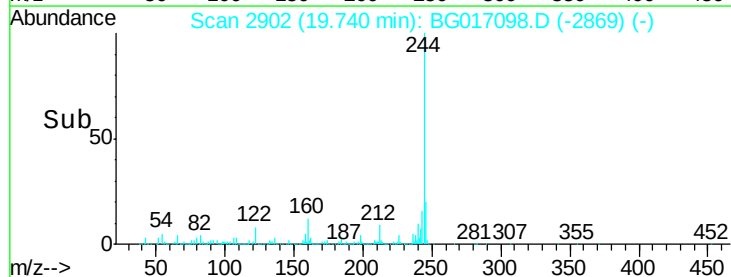
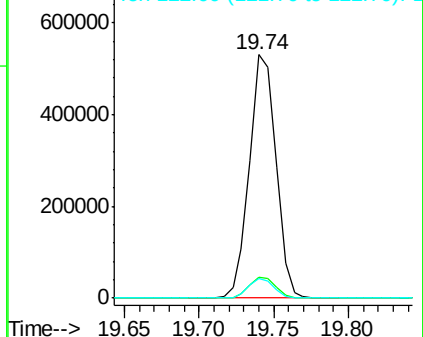
122 8.3 10.4 15.6#



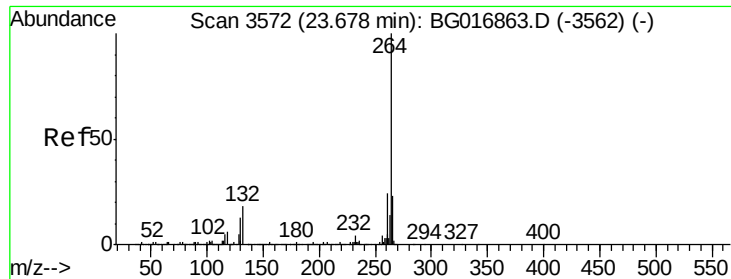
Abundance Ion 244.00 (243.70 to 244.70): E

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: 23.56 min Scan# 3552

Delta R.T. -0.01 min

Lab File: BG017098.D

Acq: 13 May 2015 00:05

Instrument :

BNA\_G

ClientSampleId :

DUP-050615

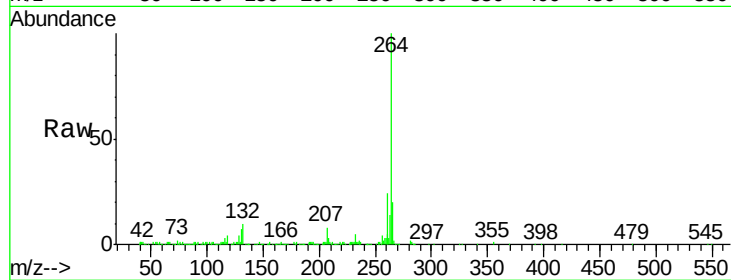
Tgt Ion:264 Resp: 248859

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 20.0 18.5 27.7



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

