

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101817\  
 Data File : BG029351.D  
 Acq On : 19 Oct 2017 3:48  
 Operator : SJ/JU  
 Sample : I5901-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 S-3-20170690

Quant Time: Oct 19 16:34:01 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 16 17:32:15 2017  
 Response via : Initial Calibration

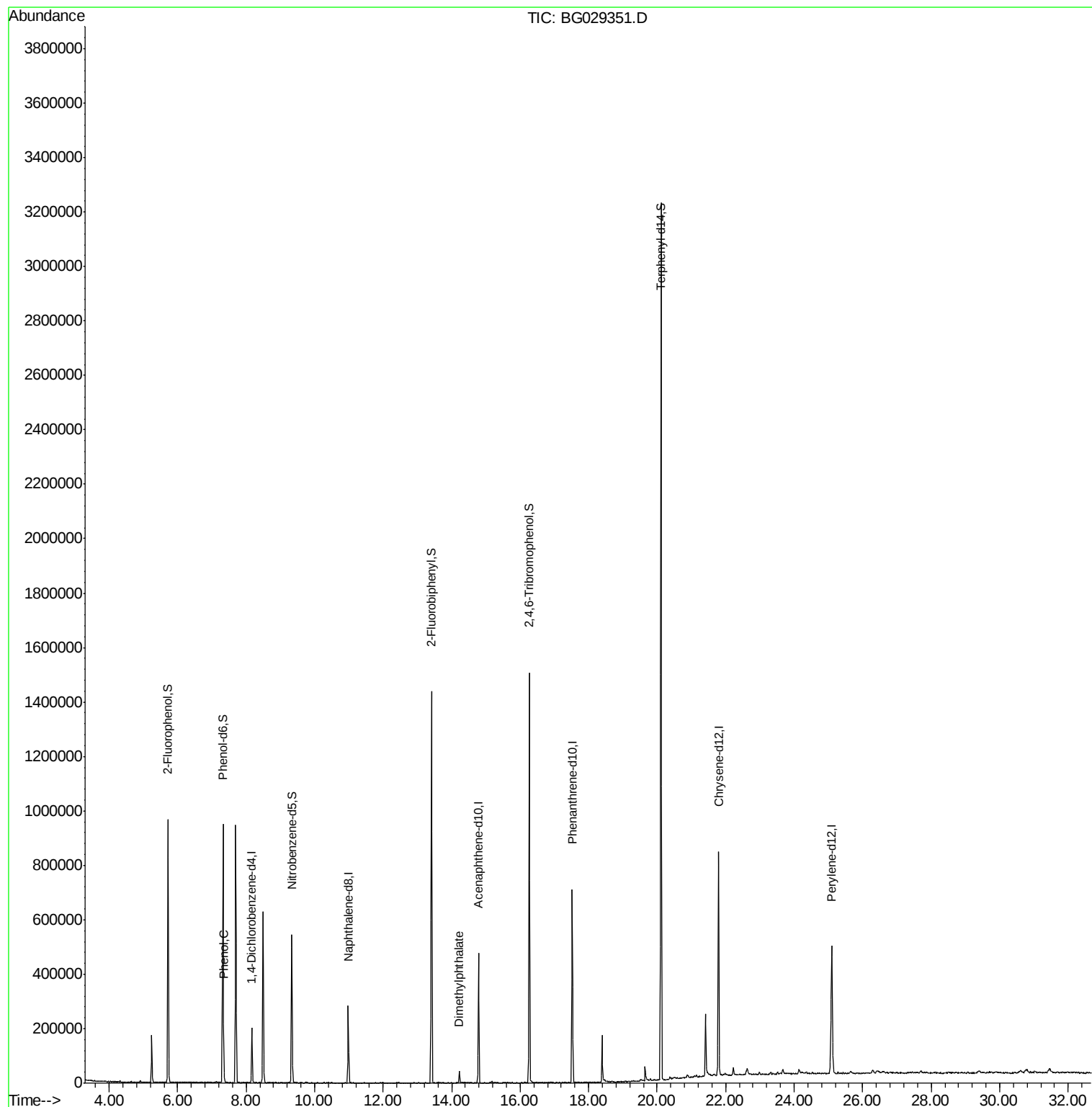
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 56203    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.99 | 136  | 253039   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.78 | 164  | 169770   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.52 | 188  | 436915   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.79 | 240  | 509906   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.09 | 264  | 517466   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.72  | 112  | 427303   | 127.01 | ng    | 0.00     |
| 7) Phenol-d6                | 7.32  | 99   | 572825   | 121.30 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 326312   | 81.95  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.26 | 330  | 295139   | 134.65 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.41 | 172  | 770567   | 66.57  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.11 | 244  | 1446663  | 64.54  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.34  | 94   | 27382    | 5.378  | ng    | 93       |
| 49) Dimethylphthalate       | 14.22 | 163  | 27990    | 2.113  | ng    | 98       |

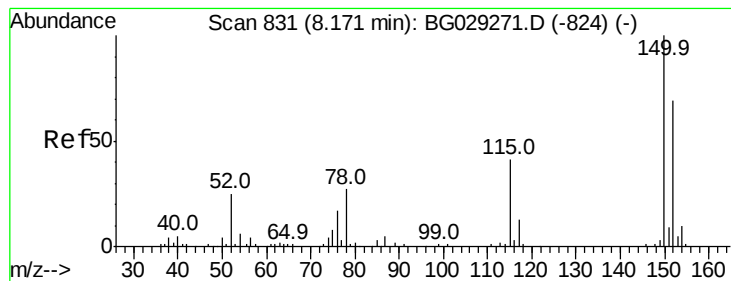
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101817\  
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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
S-3-20170690

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG101617.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Oct 16 17:32:15 2017  
Response via : Initial Calibration



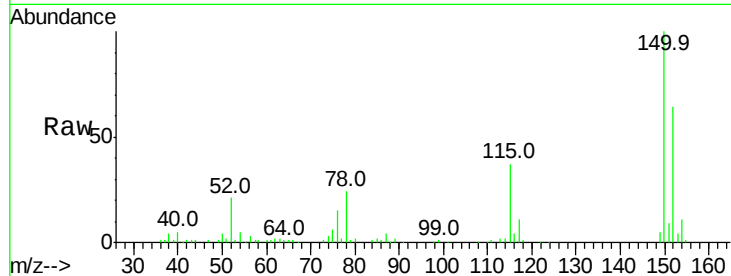


#1

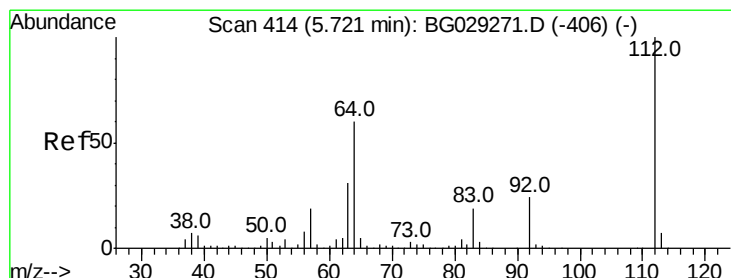
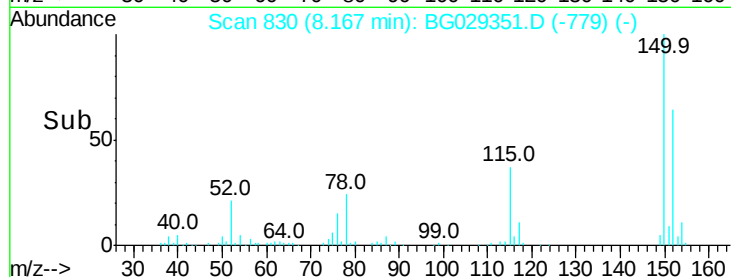
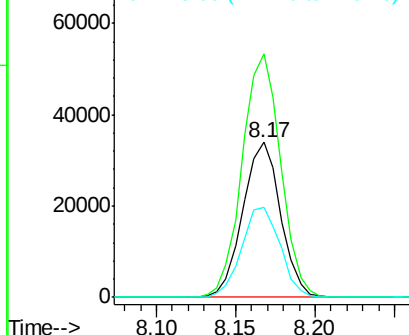
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.17 min Scan# 830  
Delta R.T. -0.00 min  
Lab File: BG029351.D  
Acq: 19 Oct 2017 3:48

Instrument :  
BNA\_G  
ClientSampleId :  
S-3-20170690

Tot Ion:152 Resp: 56203  
Ion Ratio Lower Upper  
152 100  
150 157.1 126.6 189.8  
115 57.9 53.0 79.4



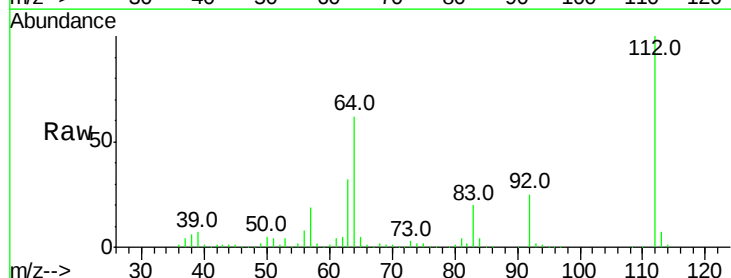
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



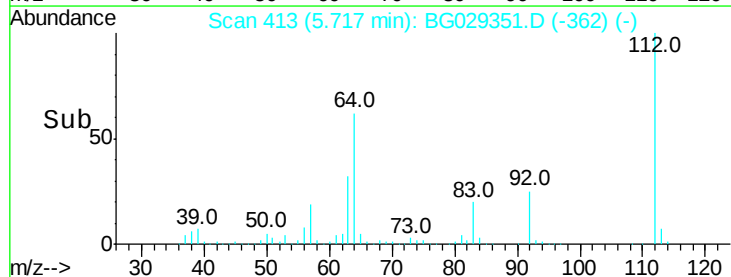
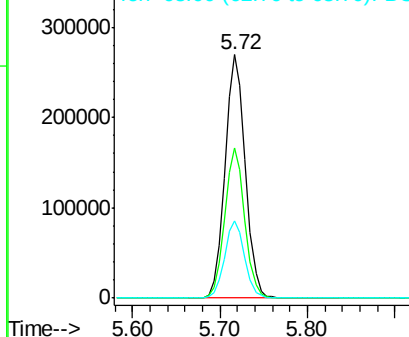
#5

2-Fluorophenol  
Concen: 127.010 ng  
RT: 5.72 min Scan# 413  
Delta R.T. -0.00 min  
Lab File: BG029351.D  
Acq: 19 Oct 2017 3:48

Tgt Ion:112 Resp: 427303  
Ion Ratio Lower Upper  
112 100  
64 61.9 56.3 84.5  
63 31.6 30.1 45.1



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: 121.300 ng

RT: 7.32 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG029351.D

Acq: 19 Oct 2017 3:48

Instrument :

BNA\_G

ClientSampleId :

S-3-20170690

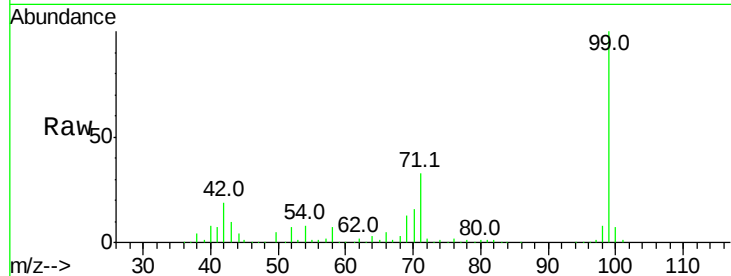
Tot Ion: 99 Resp: 572825

Ion Ratio Lower Upper

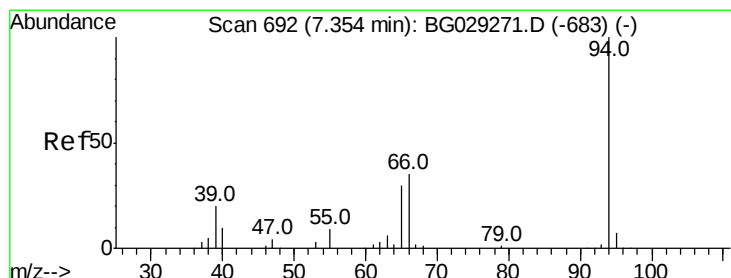
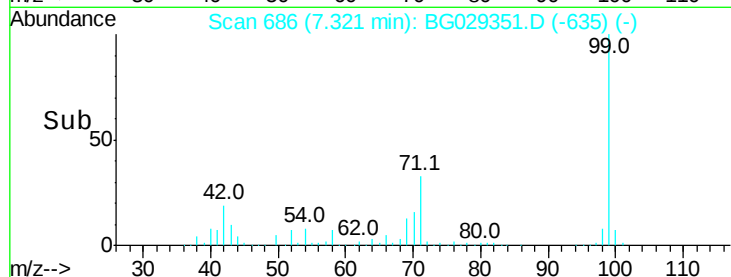
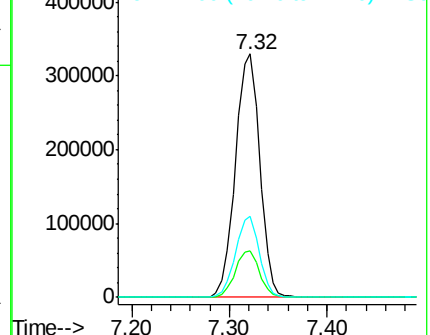
99 100

42 19.0 14.1 21.1

71 33.1 26.1 39.1



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



#10

Phenol

Concen: 5.378 ng

RT: 7.34 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG029351.D

Acq: 19 Oct 2017 3:48

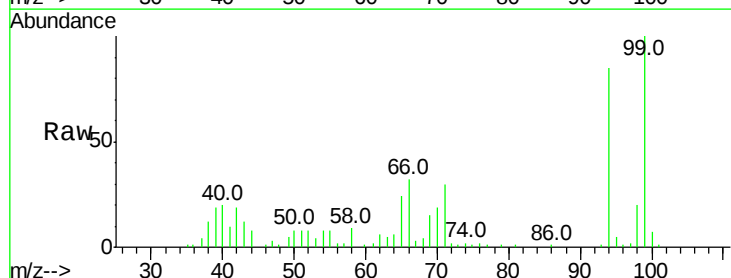
Tgt Ion: 94 Resp: 27382

Ion Ratio Lower Upper

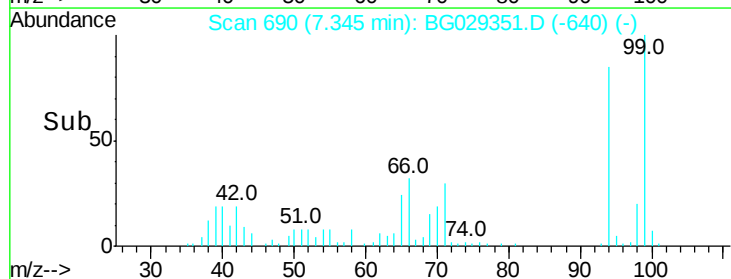
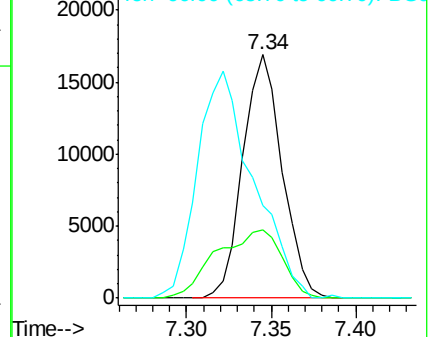
94 100

65 28.0 11.9 51.9

66 38.2 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

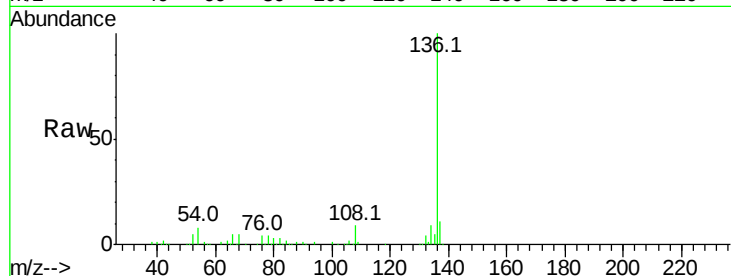




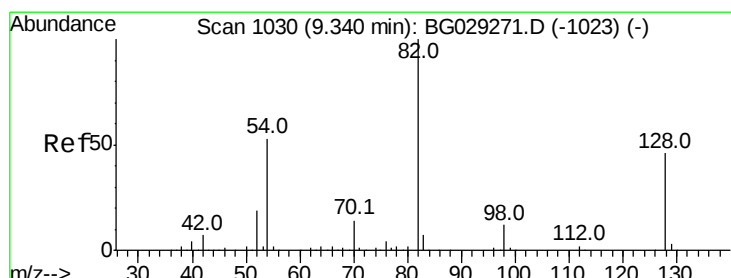
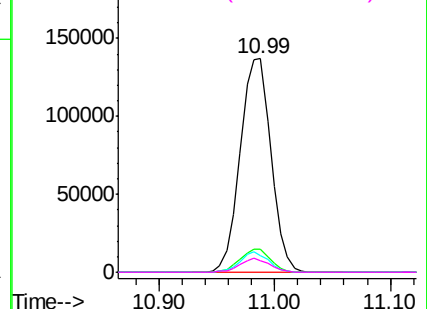
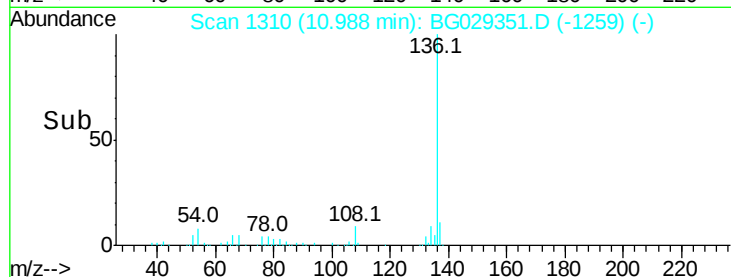
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.99 min Scan# 1310  
Delta R.T. -0.00 min  
Lab File: BG029351.D  
Acq: 19 Oct 2017 3:48

Instrument :  
BNA\_G  
ClientSampleId :  
S-3-20170690

|             |       |            |
|-------------|-------|------------|
| Tot Ion:136 | Resp: | 253039     |
| Ion Ratio   | Lower | Upper      |
| 136         | 100   |            |
| 137         | 10.6  | 9.2 13.8   |
| 54          | 7.8   | 10.3 15.5# |
| 68          | 5.2   | 4.5 6.7    |

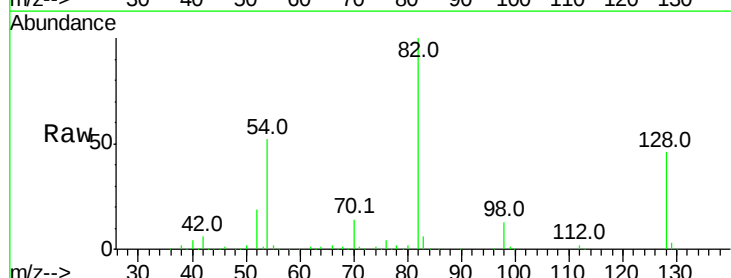


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

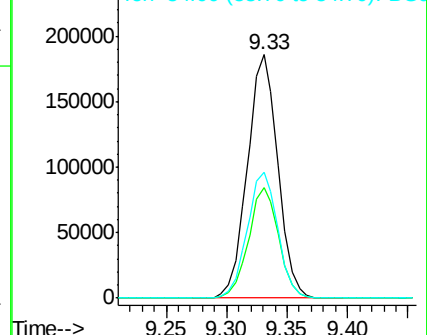
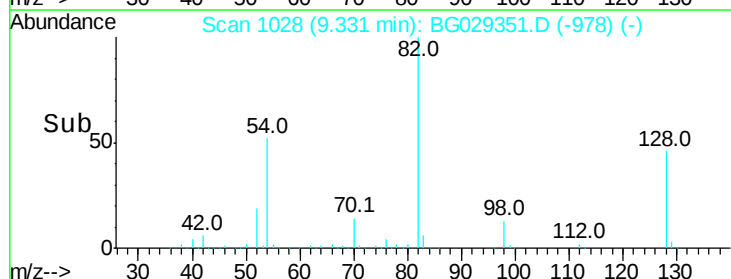


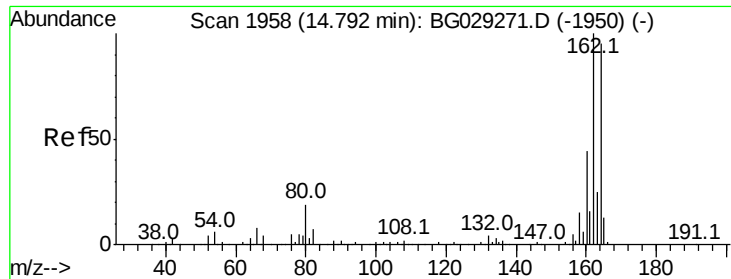
#23  
Nitrobenzene-d5  
Concen: 81.949 ng  
RT: 9.33 min Scan# 1028  
Delta R.T. -0.01 min  
Lab File: BG029351.D  
Acq: 19 Oct 2017 3:48

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 82 | Resp: | 326312     |
| Ion Ratio   | Lower | Upper      |
| 82          | 100   |            |
| 128         | 45.5  | 29.7 44.5# |
| 54          | 51.7  | 43.1 64.7  |



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BG029351.D

Acq: 19 Oct 2017 3:48

Instrument :

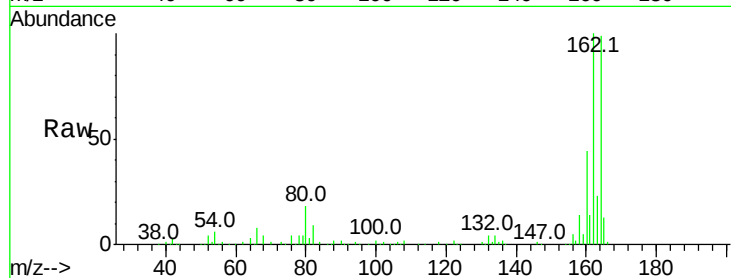
BNA\_G

ClientSampleId :

S-3-20170690

Tot Ion:164 Resp: 169770

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 100.5 | 78.8  | 118.2 |
| 160 | 44.5  | 35.4  | 53.0  |



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

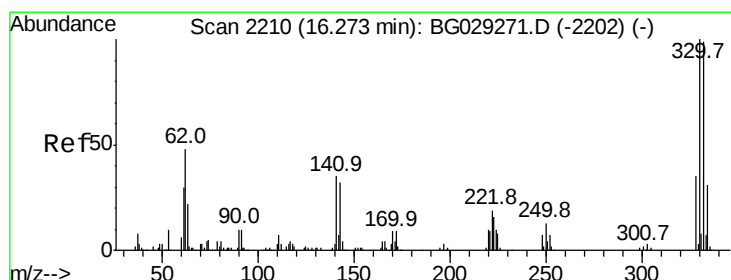
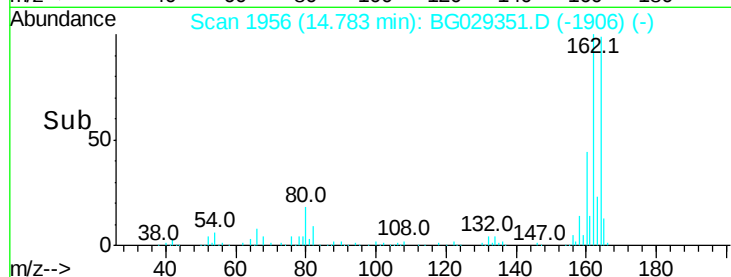
14.78

100000

50000

0

Time--> 14.70 14.80



#41

2,4,6-Tribromophenol

Concen: 134.650 ng

RT: 16.26 min Scan# 2208

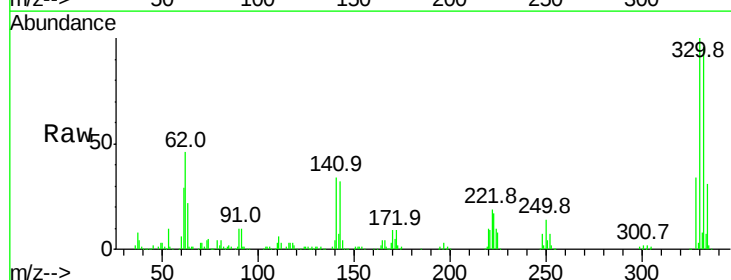
Delta R.T. -0.01 min

Lab File: BG029351.D

Acq: 19 Oct 2017 3:48

Tgt Ion:330 Resp: 295139

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 95.2  | 77.0  | 115.6 |
| 141 | 33.4  | 25.2  | 37.8  |



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

16.26

250000

200000

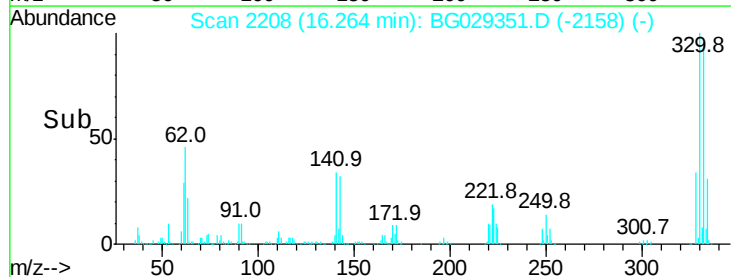
150000

100000

50000

0

Time--> 16.20 16.30 16.40

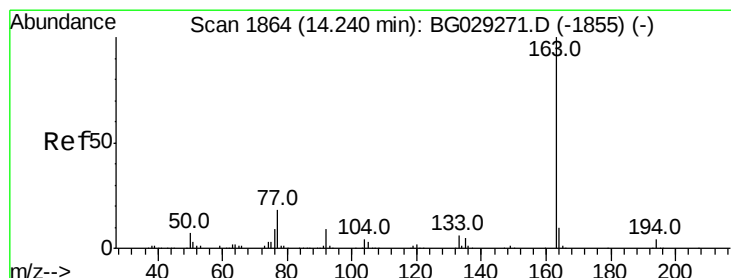
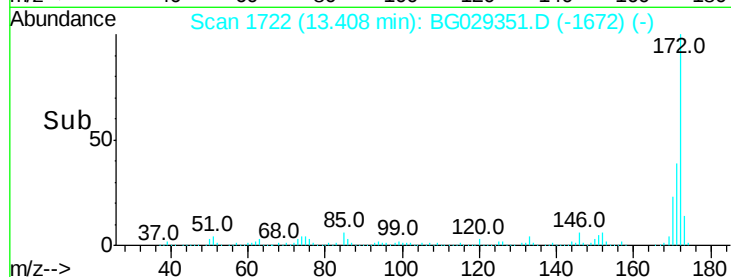
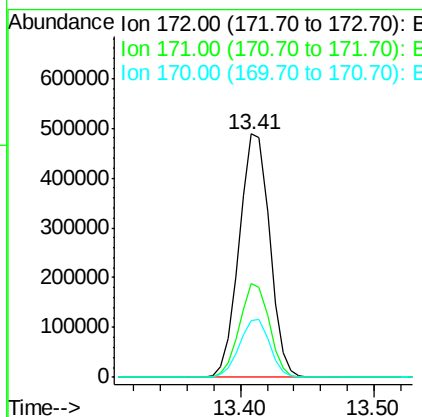
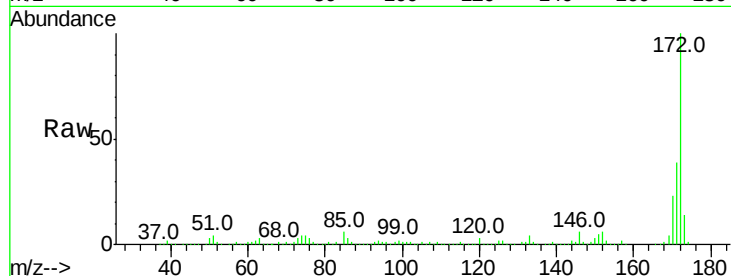




#44  
2-Fluorobiphenyl  
Concen: 66.570 ng  
RT: 13.41 min Scan# 1722  
Delta R.T. -0.01 min  
Lab File: BG029351.D  
Acq: 19 Oct 2017 3:48

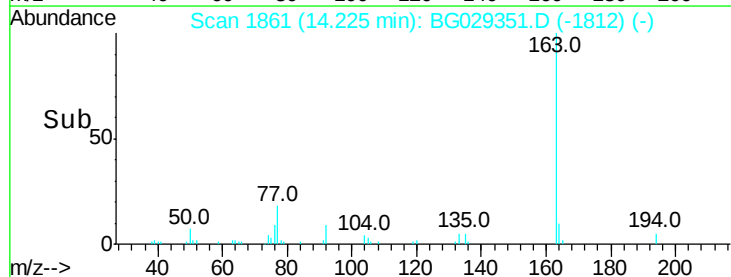
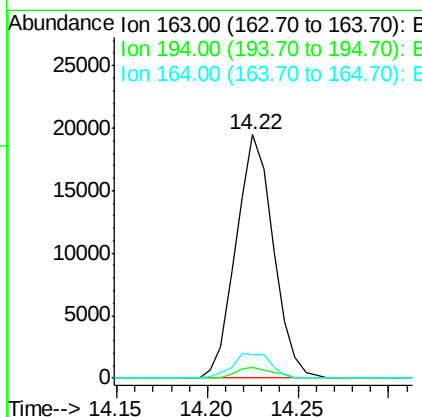
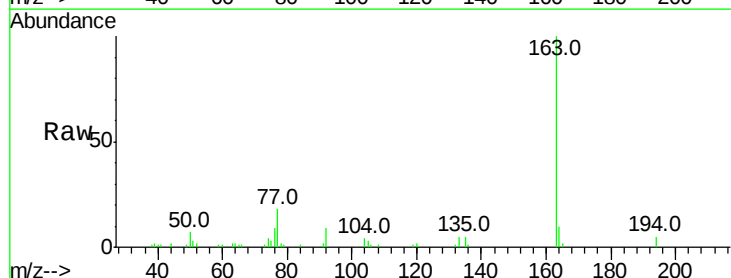
Instrument :  
BNA\_G  
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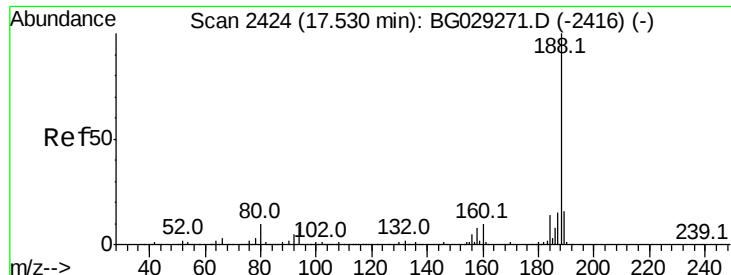
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.6  | 30.0  | 45.0  |
| 170     | 23.5  | 19.5  | 29.3  |



#49  
Dimethylphthalate  
Concen: 2.113 ng  
RT: 14.22 min Scan# 1861  
Delta R.T. -0.01 min  
Lab File: BG029351.D  
Acq: 19 Oct 2017 3:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.5   | 3.4   | 5.2   |
| 164     | 9.5   | 8.2   | 12.4  |

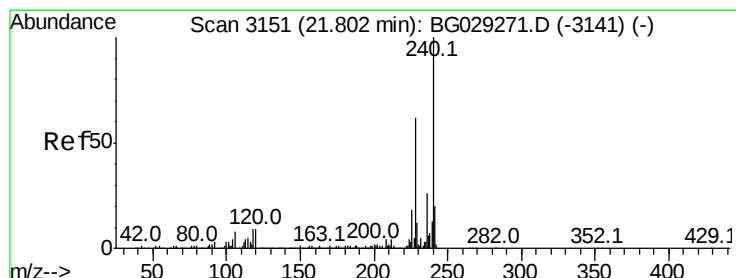
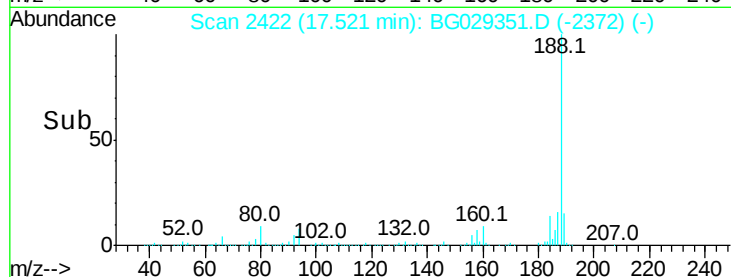
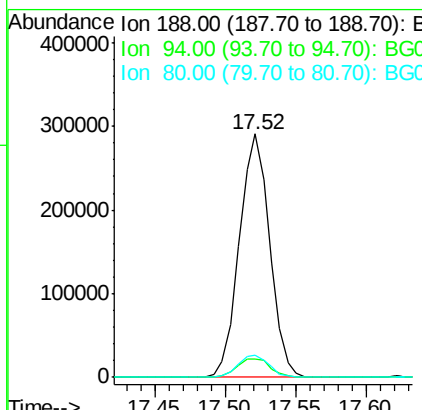
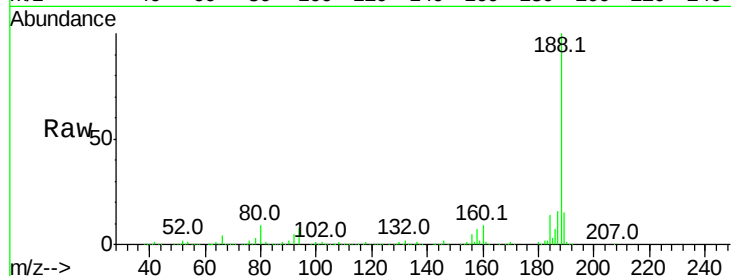




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.52 min Scan# 2422  
Delta R.T. -0.01 min  
Lab File: BG029351.D  
Acq: 19 Oct 2017 3:48

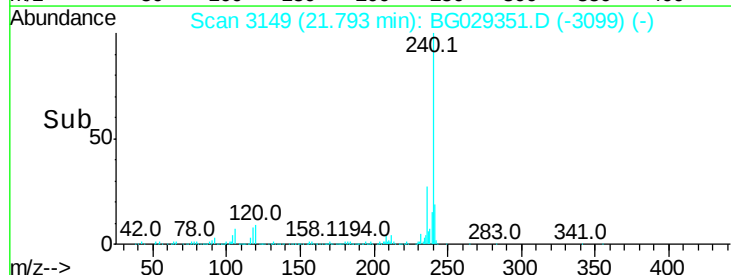
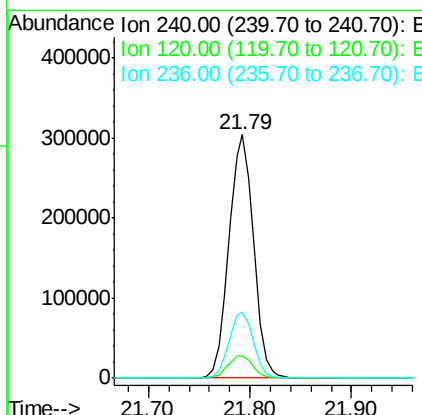
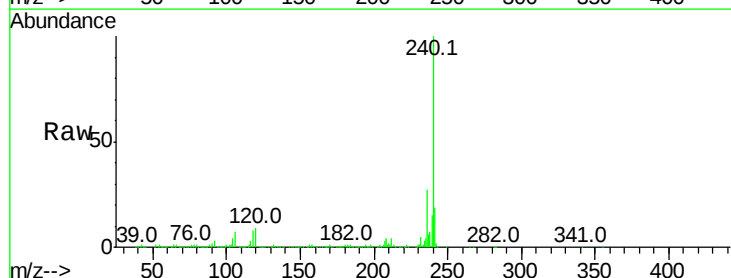
Instrument :  
BNA\_G  
ClientSampleId :  
S-3-20170690

Tot Ion:188 Resp: 436915  
Ion Ratio Lower Upper  
188 100  
94 7.8 6.9 10.3  
80 9.1 7.7 11.5



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.79 min Scan# 3149  
Delta R.T. -0.01 min  
Lab File: BG029351.D  
Acq: 19 Oct 2017 3:48

Tgt Ion:240 Resp: 509906  
Ion Ratio Lower Upper  
240 100  
120 9.2 6.8 10.2  
236 26.9 20.9 31.3





#78

Terphenyl-d14

Concen: 64.542 ng

RT: 20.11 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG029351.D

Acq: 19 Oct 2017 3:48

Instrument :

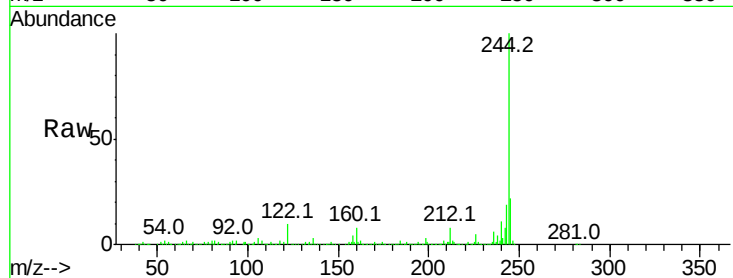
BNA\_G

ClientSampled :

S-3-20170690

Tot Ion:244 Resp: 1446663

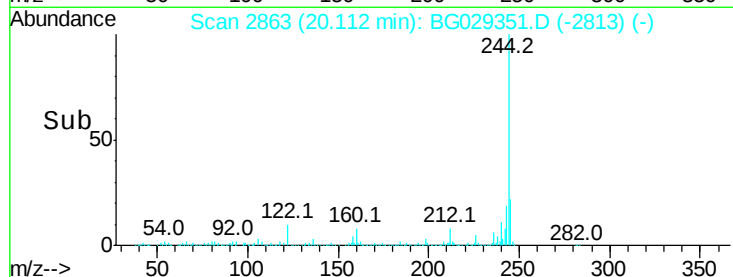
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.0   | 5.8   | 8.8   |
| 122 | 10.0  | 7.0   | 10.4  |



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

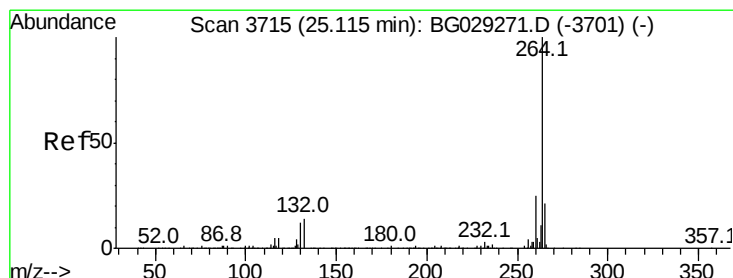


Abundance

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: 20.000 ng

RT: 25.09 min Scan# 3711

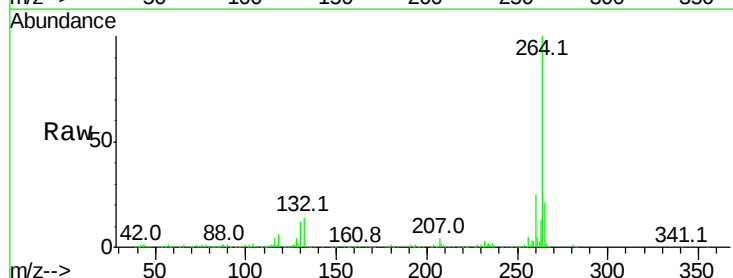
Delta R.T. -0.02 min

Lab File: BG029351.D

Acq: 19 Oct 2017 3:48

Tgt Ion:264 Resp: 517466

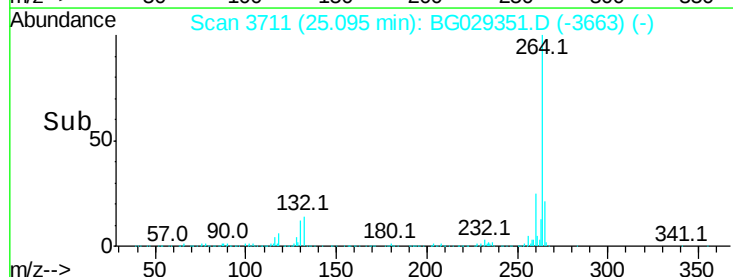
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.2  | 17.4  | 26.0  |
| 265 | 21.4  | 17.7  | 26.5  |



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



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