

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032317\  
 Data File : BG026399.D  
 Acq On : 23 Mar 2017 12:37  
 Operator : SJ/MA  
 Sample : I2356-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 032017-PRRT-E-U-M

Quant Time: Mar 24 00:59:19 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 20 17:43:27 2017  
 Response via : Initial Calibration

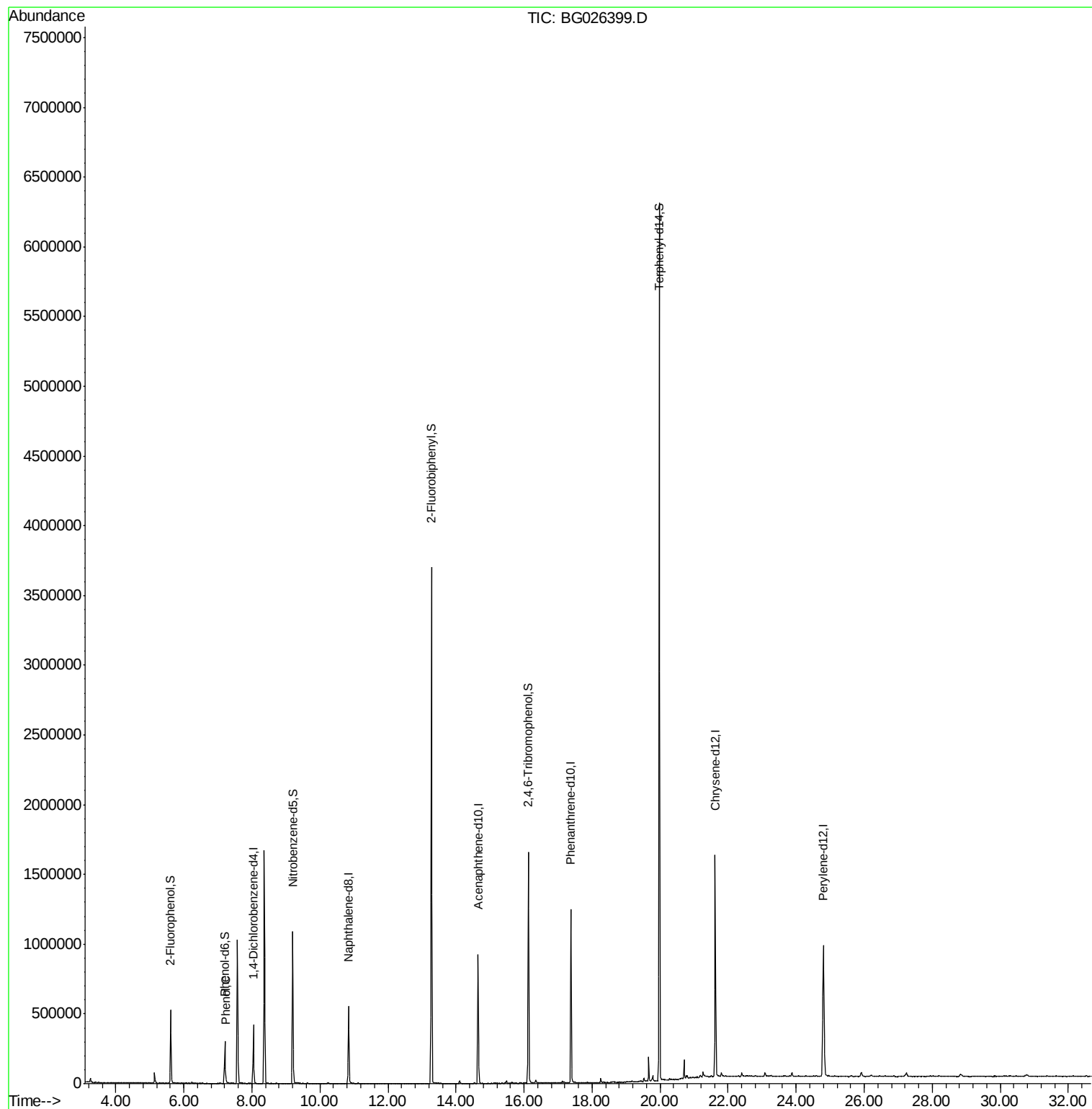
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 137419   | 20.00 | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.84 | 136  | 553977   | 20.00 | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.65 | 164  | 331328   | 20.00 | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.38 | 188  | 820948   | 20.00 | ng    | 0.00           |
| 75) Chrysene-d12            | 21.63 | 240  | 1000783  | 20.00 | ng    | 0.00           |
| 86) Perylene-d12            | 24.80 | 264  | 943894   | 20.00 | ng    | -0.02          |
| System Monitoring Compounds |       |      |          |       |       |                |
| 5) 2-Fluorophenol           | 5.61  | 112  | 293056   | 37.85 | ng    | 0.00           |
| 7) Phenol-d6                | 7.20  | 99   | 227613   | 21.90 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 717388   | 77.87 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.13 | 330  | 351339   | 92.60 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 2104725  | 89.08 | ng    | 0.00           |
| 78) Terphenyl-d14           | 19.98 | 244  | 2739642  | 66.48 | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 10) Phenol                  | 7.23  | 94   | 26197    | 2.36  | ng    | Qvalue<br># 65 |

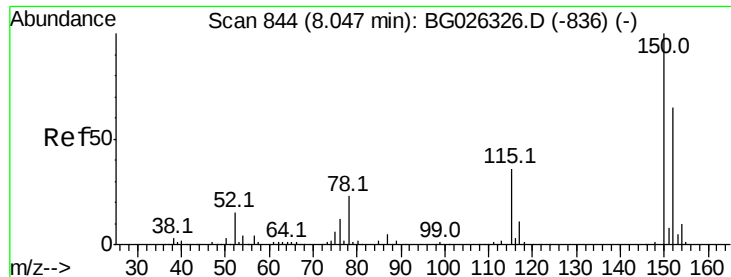
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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032017-PRRT-E-U-M

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QLast Update : Mon Mar 20 17:43:27 2017  
Response via : Initial Calibration



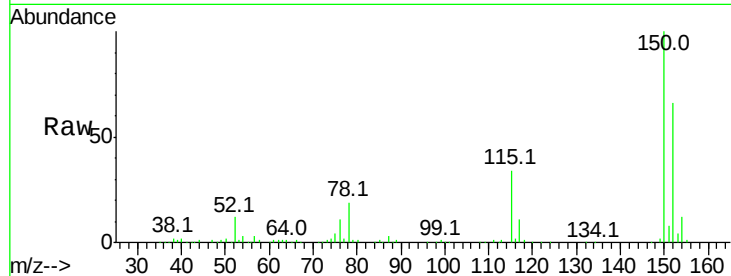


#1

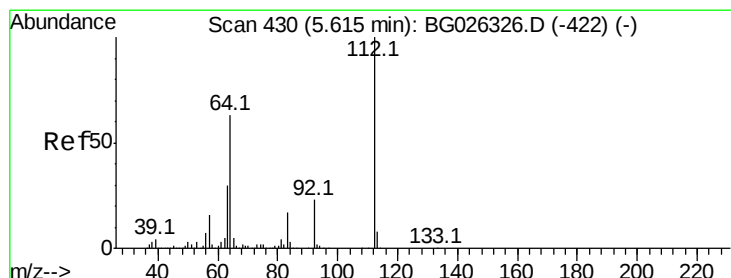
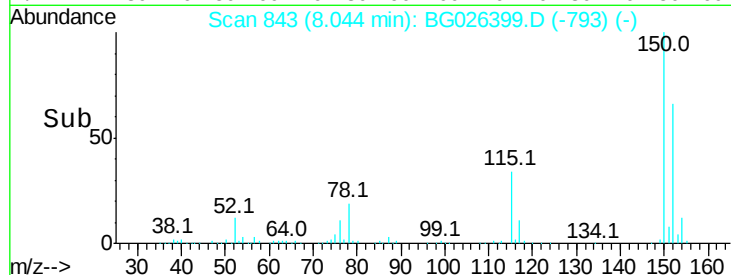
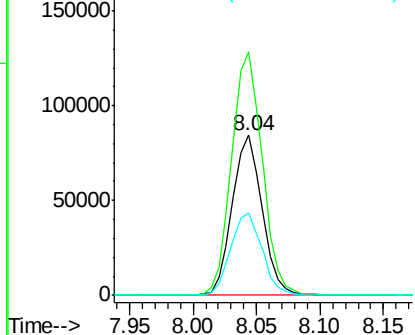
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.04 min Scan# 843  
Delta R.T. -0.00 min  
Lab File: BG026399.D  
Acq: 23 Mar 2017 12:37

Instrument :  
BNA\_G  
ClientSampleId :  
032017-PRRT-E-U-M

Tot Ion:152 Resp: 137419  
Ion Ratio Lower Upper  
152 100  
150 152.1 114.0 171.0  
115 51.2 48.1 72.1



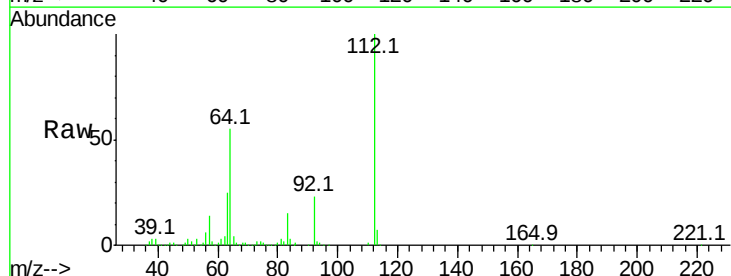
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



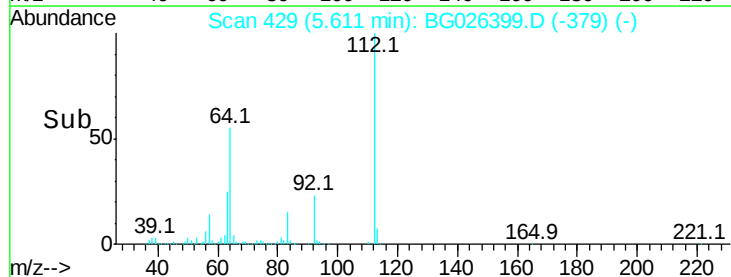
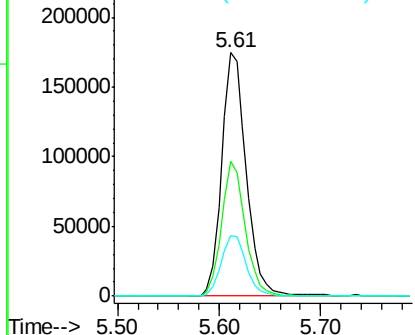
#5

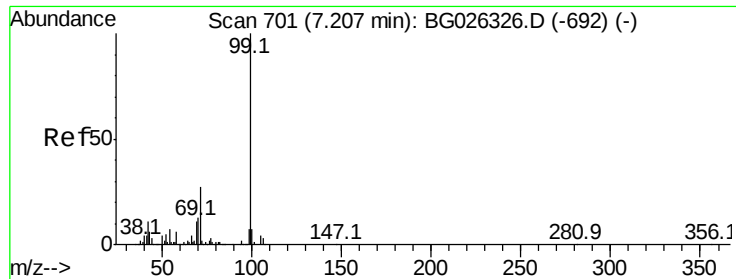
2-Fluorophenol  
Concen: 37.85 ng  
RT: 5.61 min Scan# 429  
Delta R.T. -0.00 min  
Lab File: BG026399.D  
Acq: 23 Mar 2017 12:37

Tgt Ion:112 Resp: 293056  
Ion Ratio Lower Upper  
112 100  
64 55.5 61.8 92.6#  
63 25.0 37.2 55.8#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 21.90 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG026399.D

Acq: 23 Mar 2017 12:37

Instrument :

BNA\_G

ClientSampleId :

032017-PRRT-E-U-M

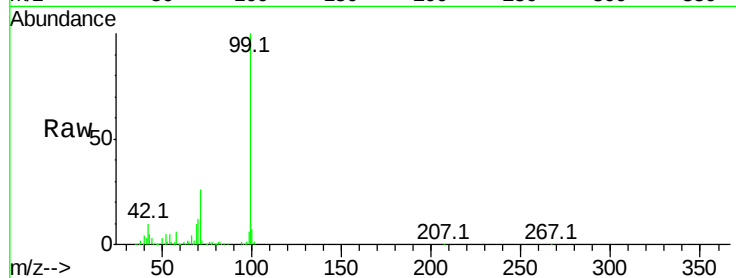
Tot Ion: 99 Resp: 227613

Ion Ratio Lower Upper

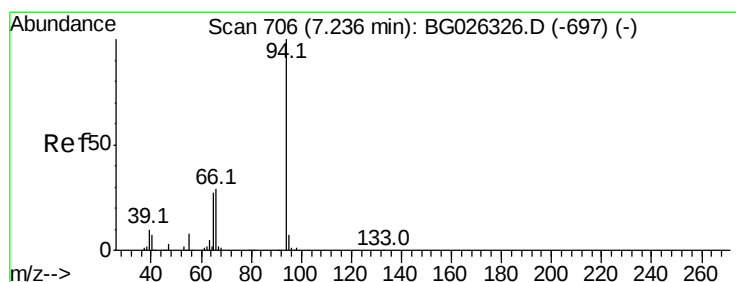
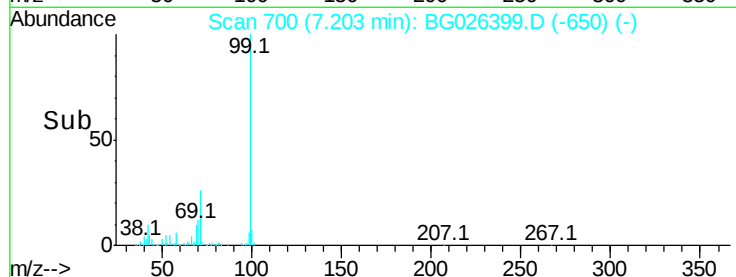
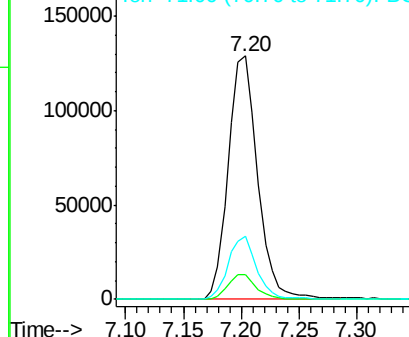
99 100

42 10.4 20.5 30.7#

71 26.1 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



#10

Phenol

Concen: 2.36 ng

RT: 7.23 min Scan# 704

Delta R.T. -0.01 min

Lab File: BG026399.D

Acq: 23 Mar 2017 12:37

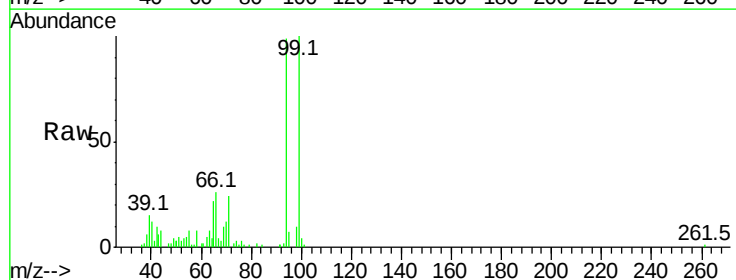
Tgt Ion: 94 Resp: 26197

Ion Ratio Lower Upper

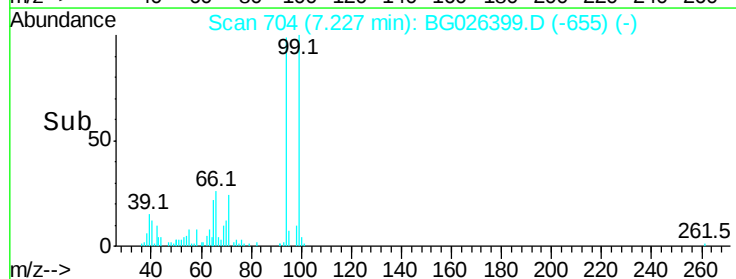
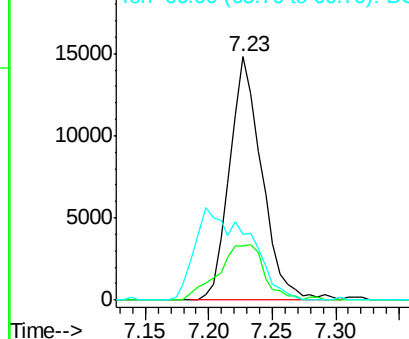
94 100

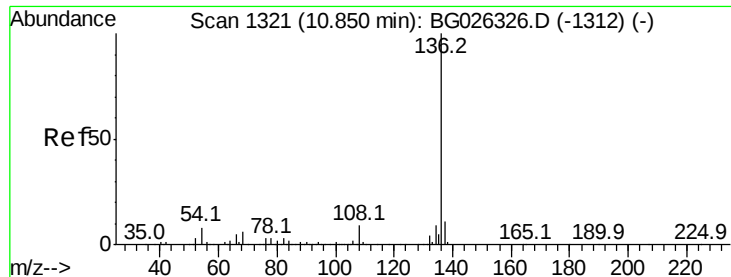
65 22.4 20.6 60.6

66 26.8 35.5 75.5#



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

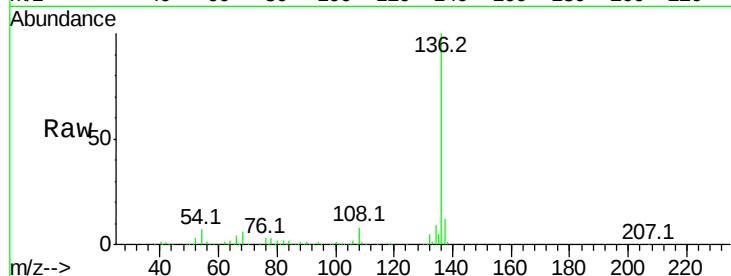




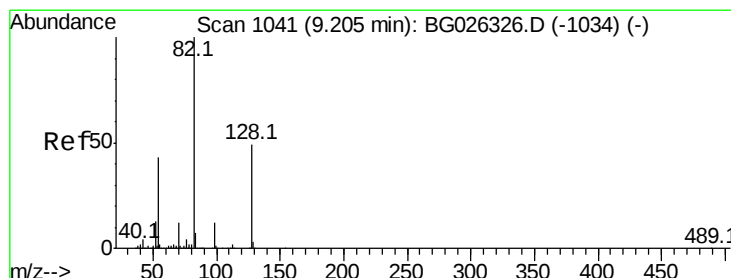
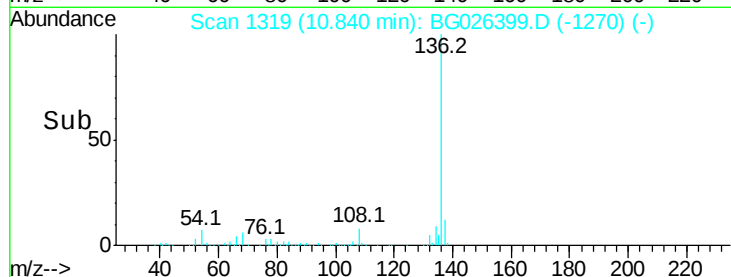
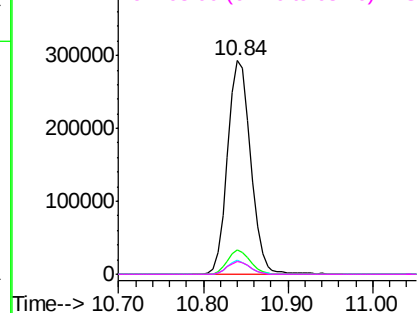
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.84 min Scan# 1319  
Delta R.T. -0.01 min  
Lab File: BG026399.D  
Acq: 23 Mar 2017 12:37

Instrument :  
BNA\_G  
ClientSampleId :  
032017-PRRT-E-U-M

|             |       |           |
|-------------|-------|-----------|
| Tot Ion:136 | Resp: | 553977    |
| Ion Ratio   | Lower | Upper     |
| 136         | 100   |           |
| 137         | 11.7  | 8.9 13.3  |
| 54          | 6.5   | 9.3 13.9# |
| 68          | 5.7   | 5.1 7.7   |

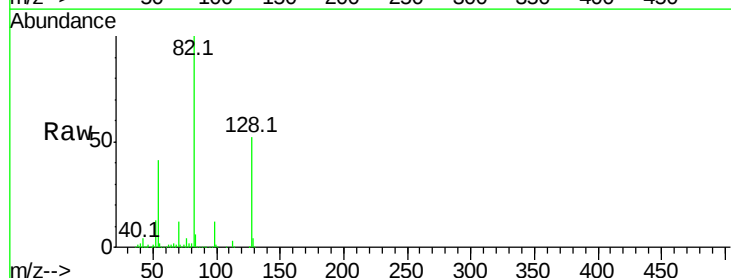


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

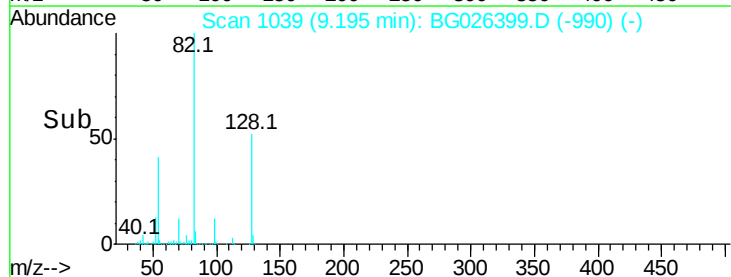
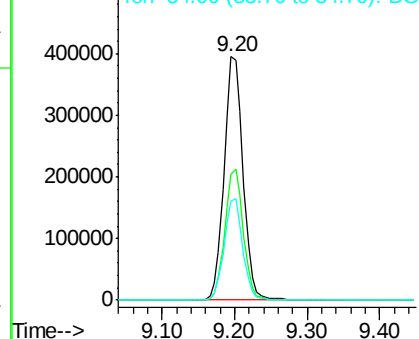


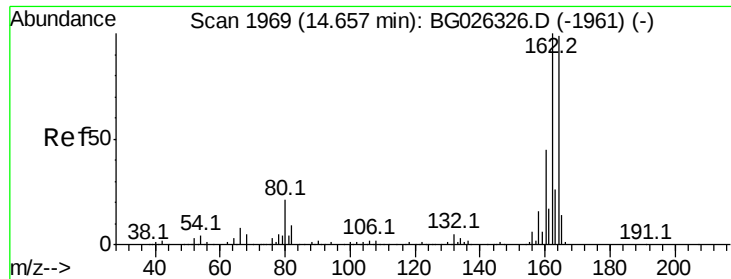
#23  
Nitrobenzene-d5  
Concen: 77.87 ng  
RT: 9.20 min Scan# 1039  
Delta R.T. -0.01 min  
Lab File: BG026399.D  
Acq: 23 Mar 2017 12:37

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 82 | Resp: | 717388     |
| Ion Ratio   | Lower | Upper      |
| 82          | 100   |            |
| 128         | 51.5  | 26.4 39.6# |
| 54          | 40.7  | 49.4 74.2# |



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

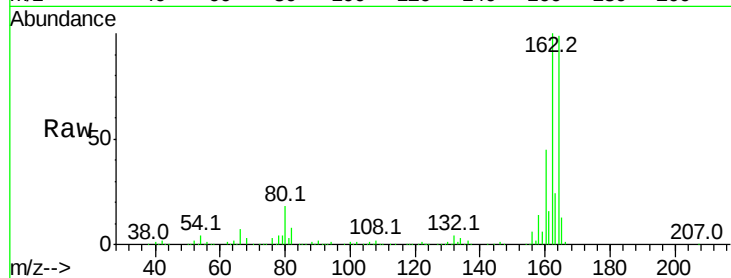




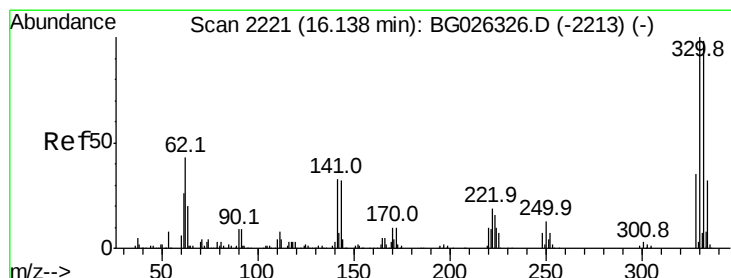
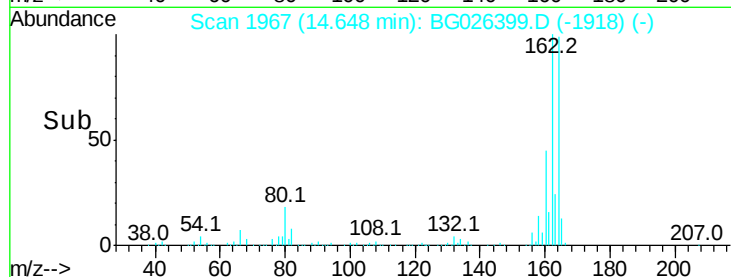
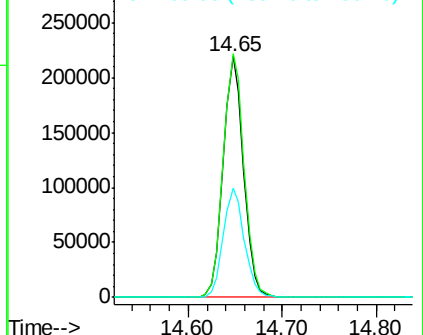
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.65 min Scan# 1967  
 Delta R.T. -0.01 min  
 Lab File: BG026399.D  
 Acq: 23 Mar 2017 12:37

Instrument :  
 BNA\_G  
 ClientSampleId :  
 032017-PRRT-E-U-M

Tot Ion:164 Resp: 331328  
 Ion Ratio Lower Upper  
 164 100  
 162 101.1 85.1 127.7  
 160 45.4 34.7 52.1

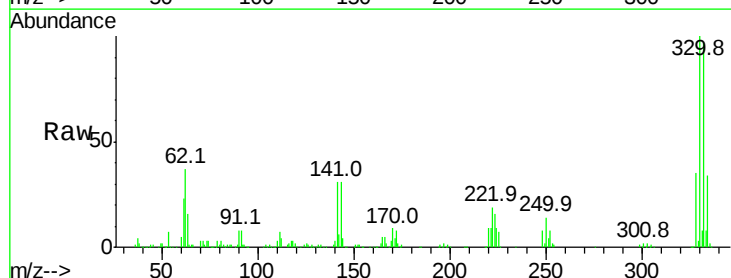


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

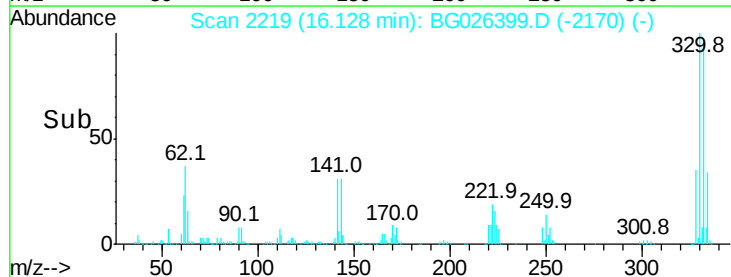
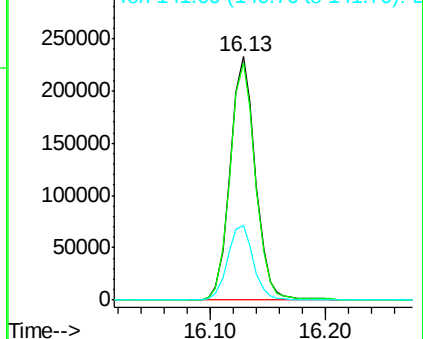


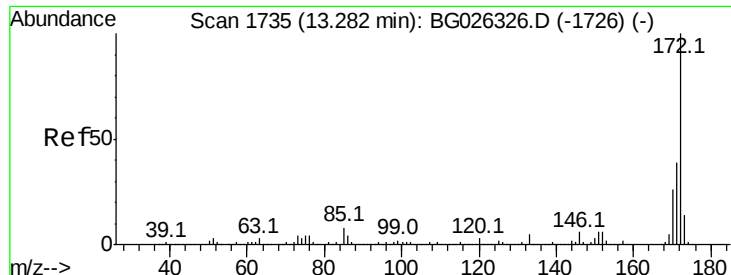
#41  
 2,4,6-Tribromophenol  
 Concen: 92.60 ng  
 RT: 16.13 min Scan# 2219  
 Delta R.T. -0.01 min  
 Lab File: BG026399.D  
 Acq: 23 Mar 2017 12:37

Tgt Ion:330 Resp: 351339  
 Ion Ratio Lower Upper  
 330 100  
 332 98.1 77.3 115.9  
 141 31.6 32.1 48.1#



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



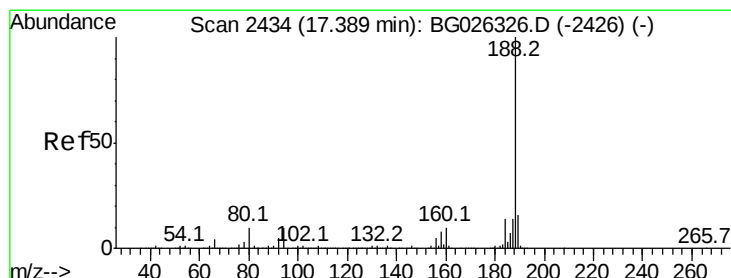
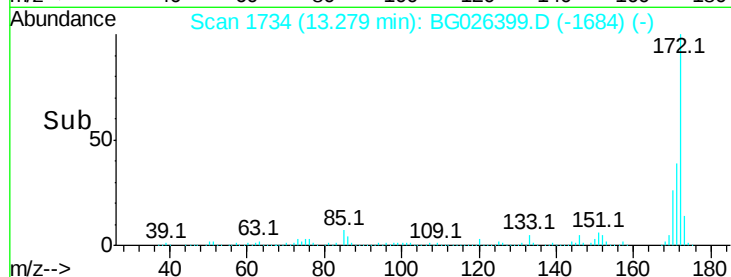
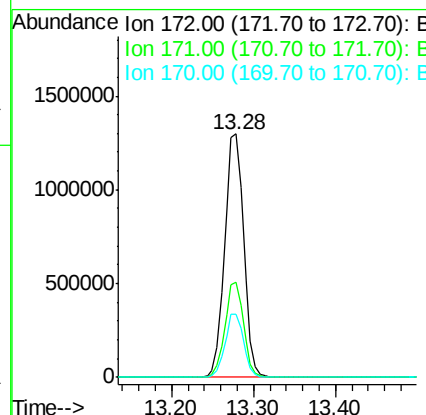
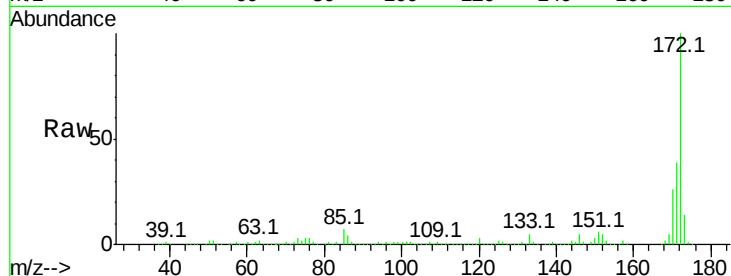


#44  
 2-Fluorobiphenyl  
 Concen: 89.08 ng  
 RT: 13.28 min Scan# 1734  
 Delta R.T. -0.00 min  
 Lab File: BG026399.D  
 Acq: 23 Mar 2017 12:37

Instrument :  
 BNA\_G  
 ClientSampleId :  
 032017-PRRT-E-U-M

Tot Ion:172 Resp: 2104725  

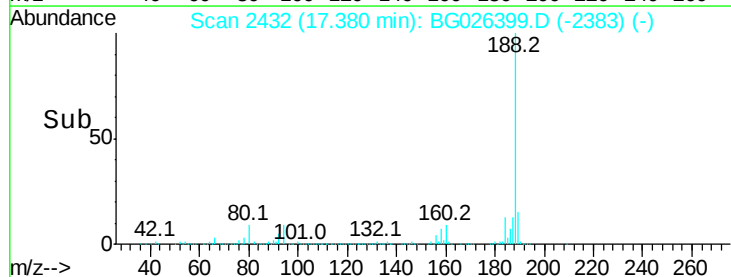
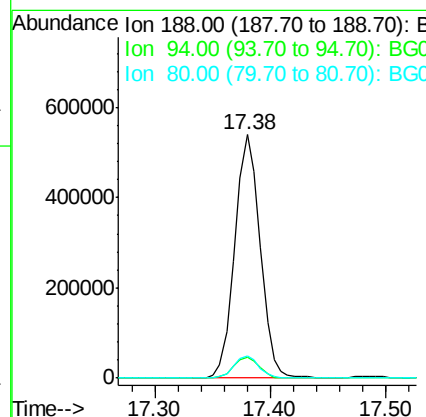
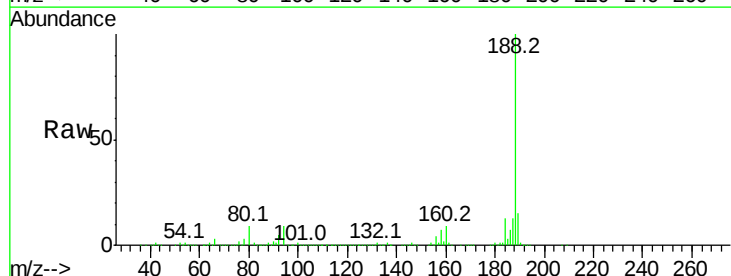
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 38.9  | 32.2  | 48.2  |
| 170 | 25.9  | 21.8  | 32.6  |

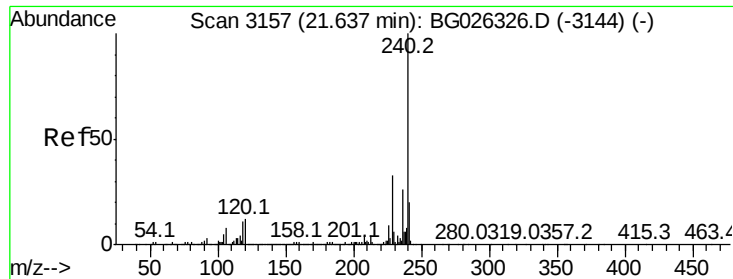


#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.38 min Scan# 2432  
 Delta R.T. -0.01 min  
 Lab File: BG026399.D  
 Acq: 23 Mar 2017 12:37

Tgt Ion:188 Resp: 820948  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 8.7   | 5.8   | 8.8   |
| 80  | 8.9   | 7.5   | 11.3  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.63 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG026399.D

Acq: 23 Mar 2017 12:37

Instrument :

BNA\_G

ClientSampleId :

032017-PRRT-E-U-M

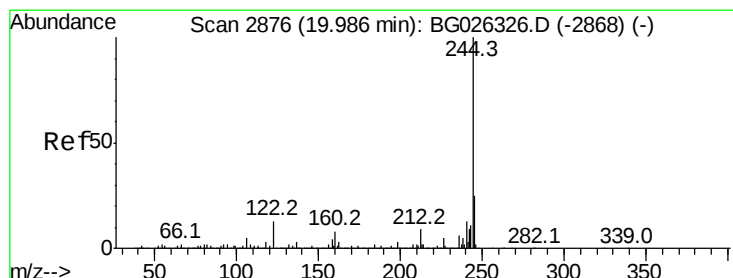
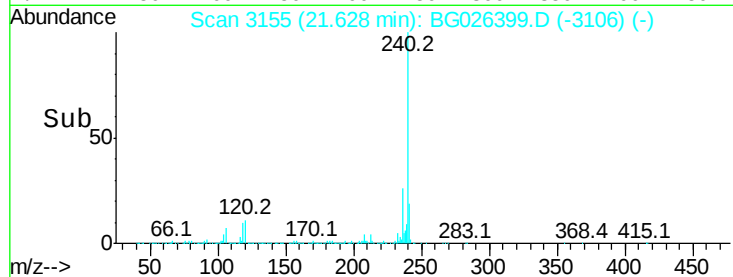
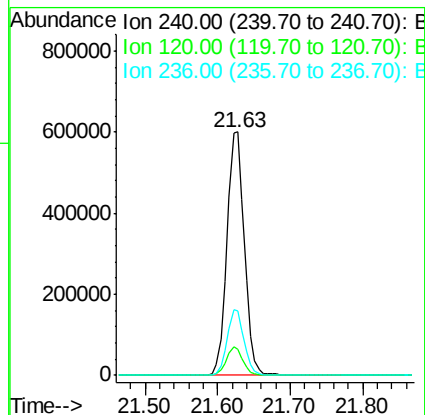
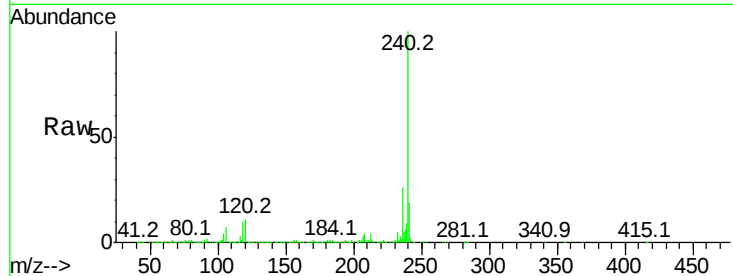
Tot Ion:240 Resp: 1000783

Ion Ratio Lower Upper

240 100

120 10.9 5.7 8.5#

236 26.5 22.2 33.4



#78

Terphenyl-d14

Concen: 66.48 ng

RT: 19.98 min Scan# 2874

Delta R.T. -0.01 min

Lab File: BG026399.D

Acq: 23 Mar 2017 12:37

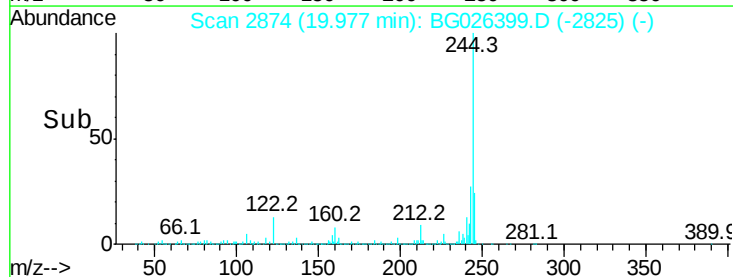
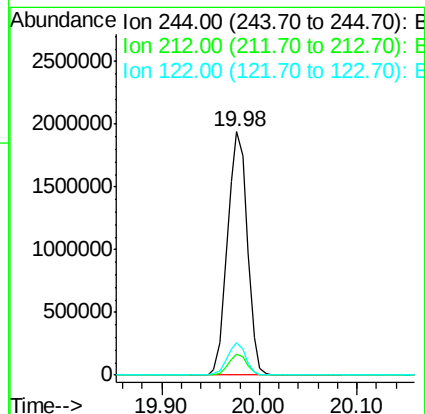
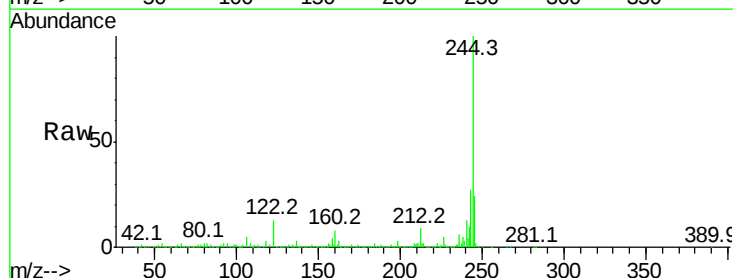
Tgt Ion:244 Resp: 2739642

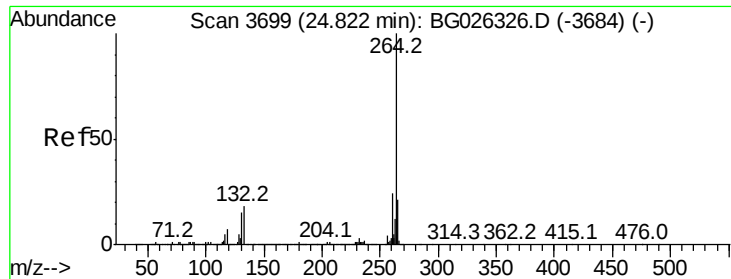
Ion Ratio Lower Upper

244 100

212 8.6 10.0 15.0#

122 13.1 8.6 12.8#



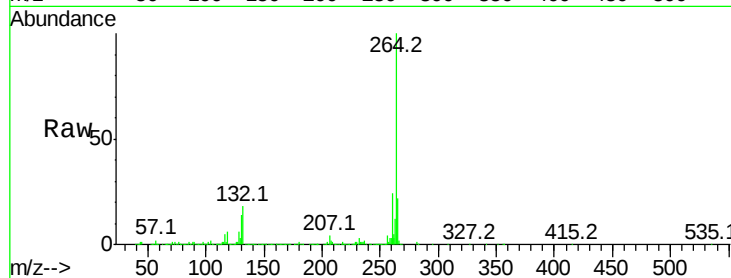


#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 24.80 min Scan# 3695  
Delta R.T. -0.02 min  
Lab File: BG026399.D  
Acq: 23 Mar 2017 12:37

Instrument :  
BNA\_G  
ClientSampleId :  
032017-PRRT-E-U-M

Tot Ion:264 Resp: 943894  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.6  | 21.8  | 32.8  |
| 265 | 22.3  | 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

