

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\  
 Data File : BG031705.D  
 Acq On : 22 Dec 2017 11:15  
 Operator : SJ/JU  
 Sample : I6971-09  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 121517-JETT-E-U-M

Quant Time: Dec 22 12:39:01 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 22 11:08:55 2017  
 Response via : Initial Calibration

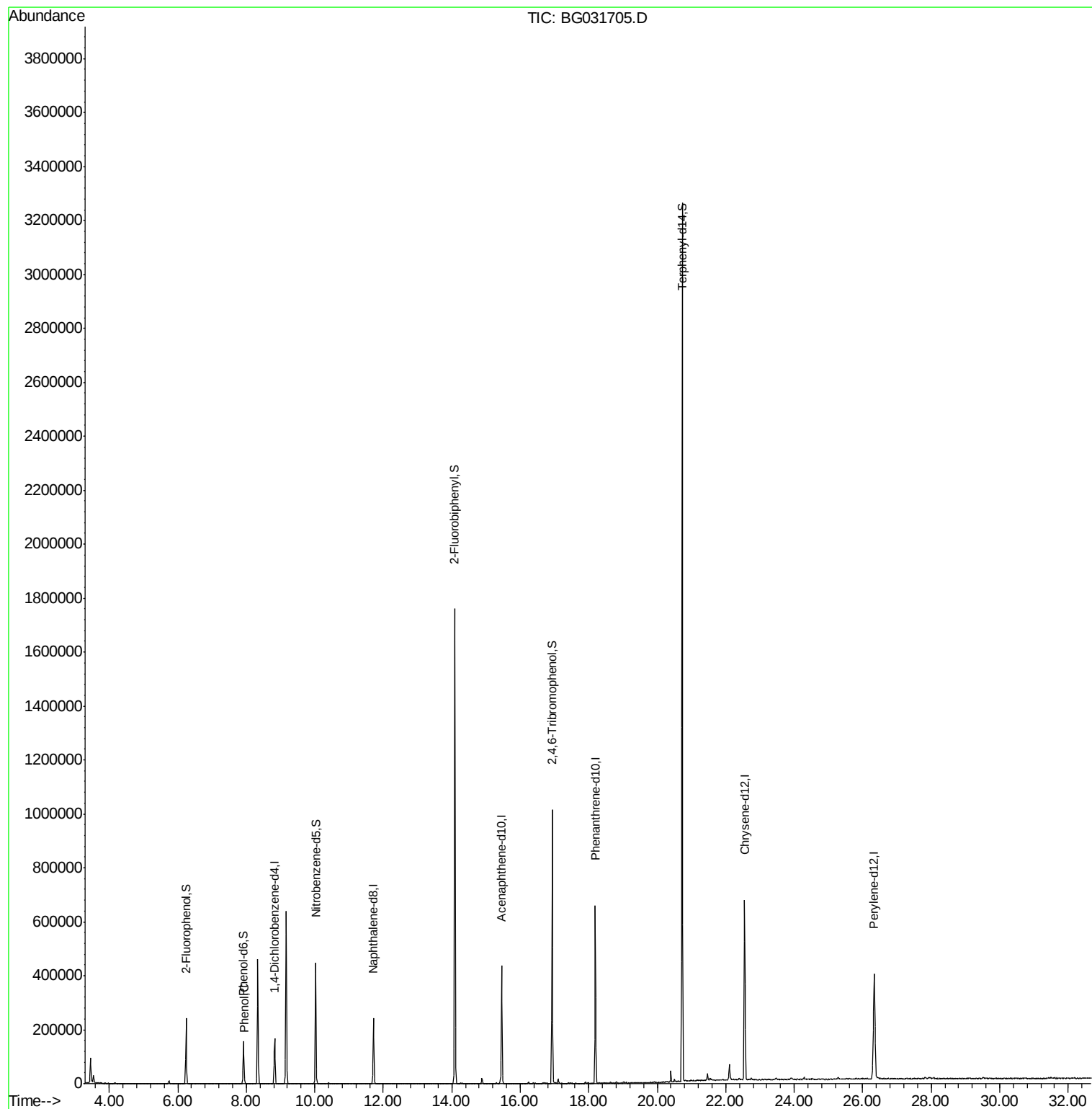
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.82  | 152  | 58858    | 20.00 | ng    | -0.02     |
| 21) Naphthalene-d8          | 11.71 | 136  | 241392   | 20.00 | ng    | -0.01     |
| 38) Acenaphthene-d10        | 15.46 | 164  | 172030   | 20.00 | ng    | -0.01     |
| 63) Phenanthrene-d10        | 18.19 | 188  | 443826   | 20.00 | ng    | -0.01     |
| 75) Chrysene-d12            | 22.55 | 240  | 521907   | 20.00 | ng    | -0.02     |
| 86) Perylene-d12            | 26.33 | 264  | 550216   | 20.00 | ng    | -0.03     |
| System Monitoring Compounds |       |      |          |       |       |           |
| 5) 2-Fluorophenol           | 6.24  | 112  | 135606   | 41.96 | ng    | 0.00      |
| 7) Phenol-d6                | 7.92  | 99   | 110052   | 26.23 | ng    | -0.01     |
| 23) Nitrobenzene-d5         | 10.03 | 82   | 283050   | 88.54 | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol    | 16.93 | 330  | 237320   | 90.41 | ng    | -0.01     |
| 44) 2-Fluorobiphenyl        | 14.09 | 172  | 1090232  | 79.54 | ng    | -0.01     |
| 78) Terphenyl-d14           | 20.73 | 244  | 1799091  | 78.76 | ng    | -0.01     |
| Target Compounds            |       |      |          |       |       |           |
| 10) Phenol                  | 7.95  | 94   | 8632     | 2.038 | ng    | Qvalue 82 |

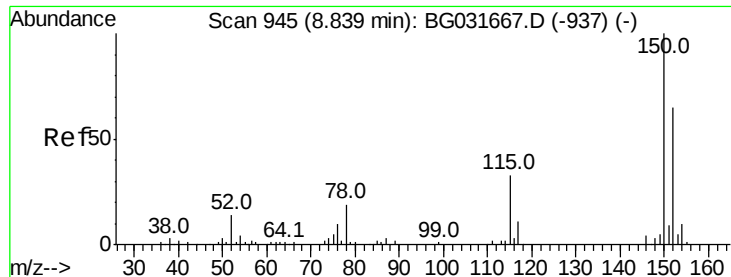
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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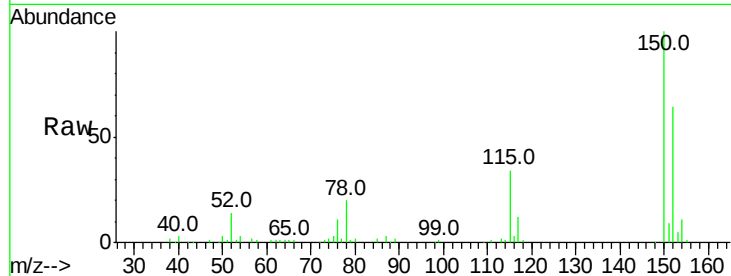


#1

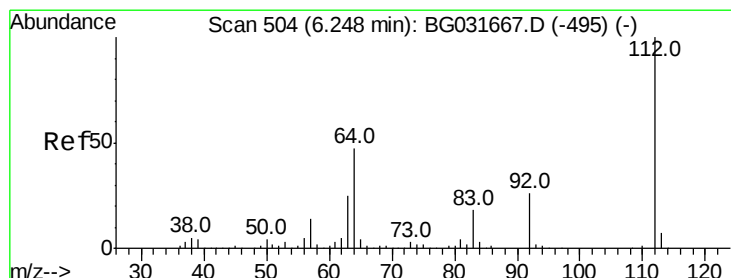
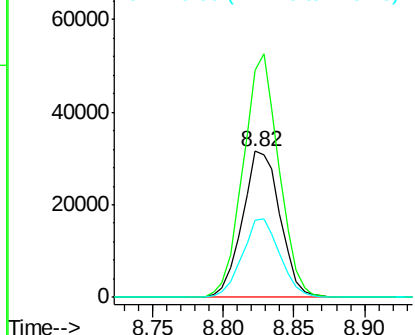
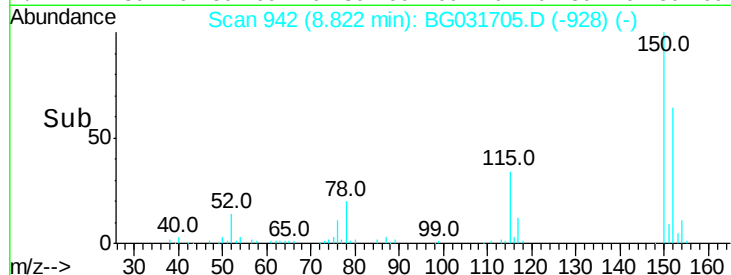
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.82 min Scan# 942  
 Delta R.T. -0.02 min  
 Lab File: BG031705.D  
 Acq: 22 Dec 2017 11:15

Instrument :  
 BNA\_G  
 ClientSampleId :  
 121517-JETT-E-U-M

Tot Ion:152 Resp: 58858  
 Ion Ratio Lower Upper  
 152 100  
 150 155.4 126.6 189.8  
 115 52.9 53.0 79.4#



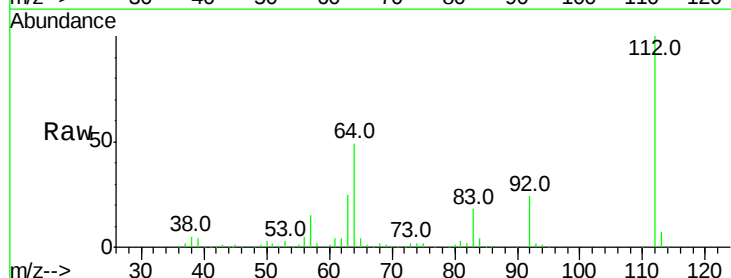
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



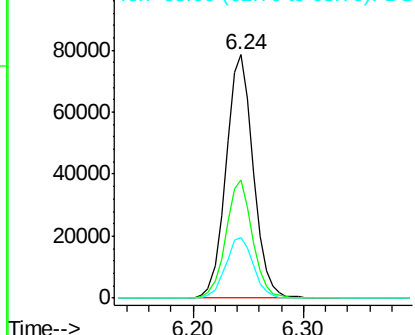
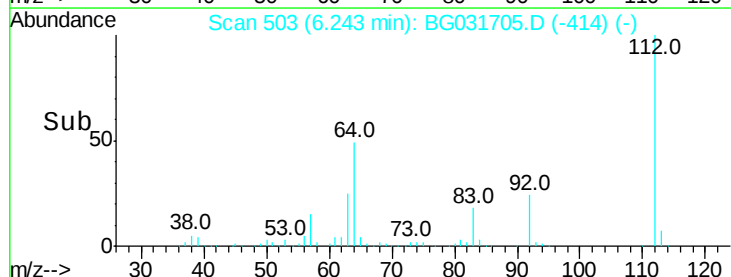
#5

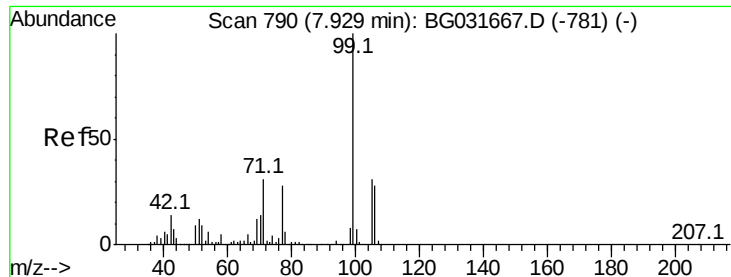
2-Fluorophenol  
 Concen: 41.964 ng  
 RT: 6.24 min Scan# 503  
 Delta R.T. -0.01 min  
 Lab File: BG031705.D  
 Acq: 22 Dec 2017 11:15

Tgt Ion:112 Resp: 135606  
 Ion Ratio Lower Upper  
 112 100  
 64 48.7 56.3 84.5#  
 63 24.9 30.1 45.1#



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





#7

Phenol-d6

Concen: 26.231 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.01 min

Lab File: BG031705.D

Acq: 22 Dec 2017 11:15

Instrument :

BNA\_G

ClientSampleId :

121517-JETT-E-U-M

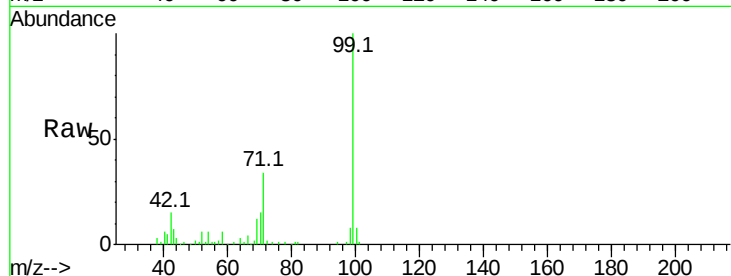
Tot Ion: 99 Resp: 110052

Ion Ratio Lower Upper

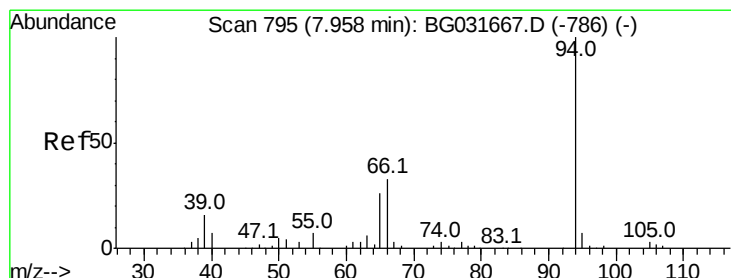
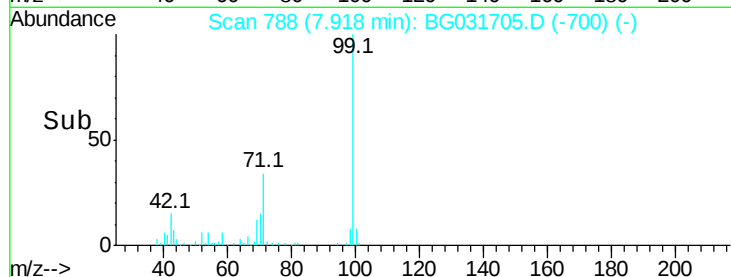
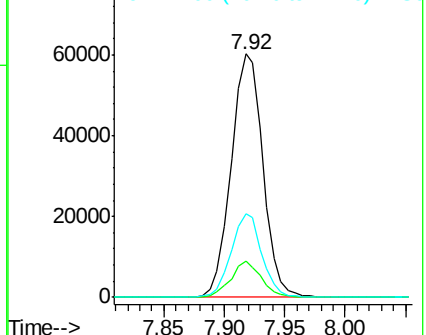
99 100

42 14.9 14.1 21.1

71 34.4 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: 2.038 ng

RT: 7.95 min Scan# 794

Delta R.T. -0.01 min

Lab File: BG031705.D

Acq: 22 Dec 2017 11:15

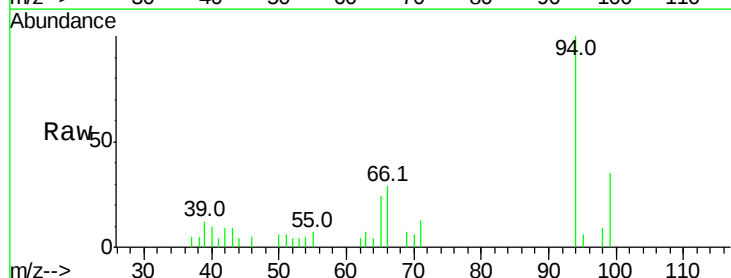
Tgt Ion: 94 Resp: 8632

Ion Ratio Lower Upper

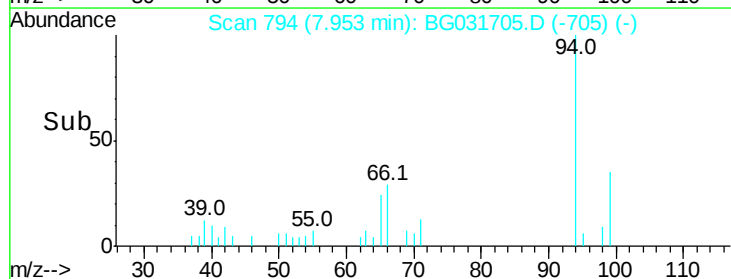
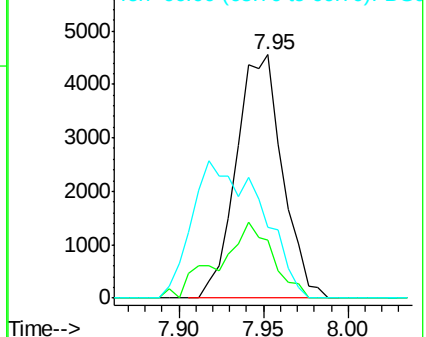
94 100

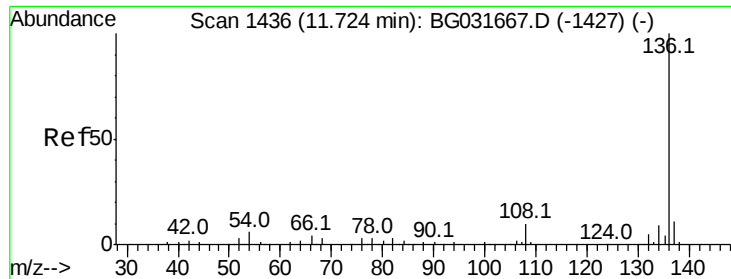
65 23.9 11.9 51.9

66 29.3 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

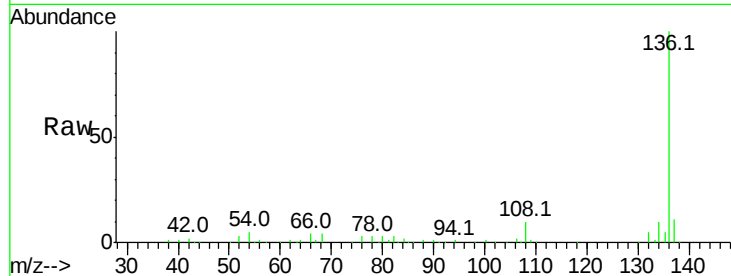




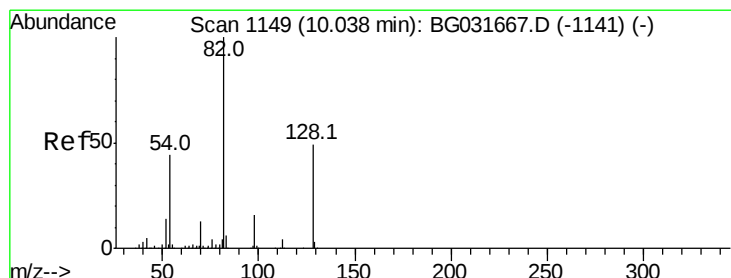
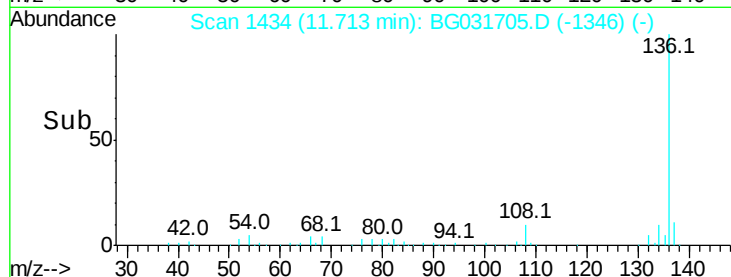
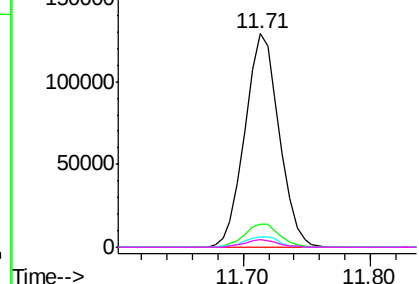
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.71 min Scan# 1434  
Delta R.T. -0.01 min  
Lab File: BG031705.D  
Acq: 22 Dec 2017 11:15

Instrument :  
BNA\_G  
ClientSampleId :  
121517-JETT-E-U-M

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 241392 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 9.2   | 13.8   |
| 54       | 4.9   | 10.3  | 15.5#  |
| 68       | 3.6   | 4.5   | 6.7#   |

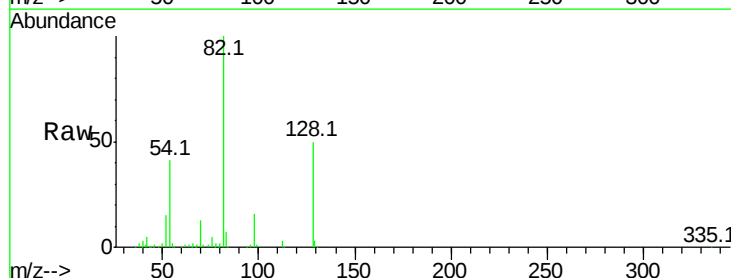


Abundance Ion 136.00 (135.70 to 136.70): E  
200000  
Ion 137.00 (136.70 to 137.70): E  
150000  
Ion 54.00 (53.70 to 54.70): BGC  
100000  
Ion 68.00 (67.70 to 68.70): BGC  
50000  
0

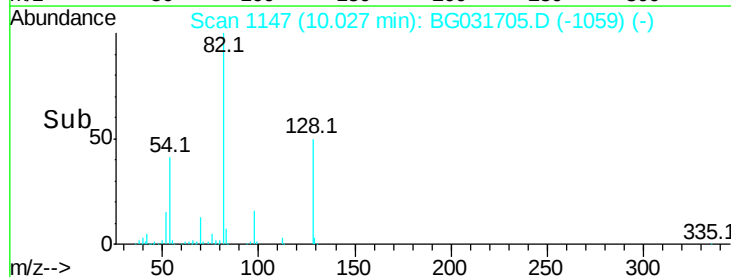
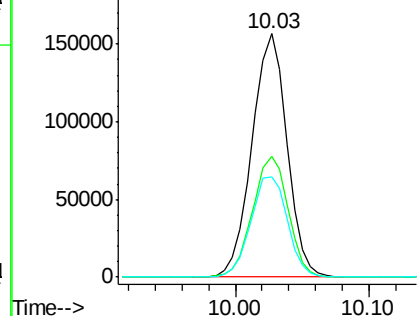


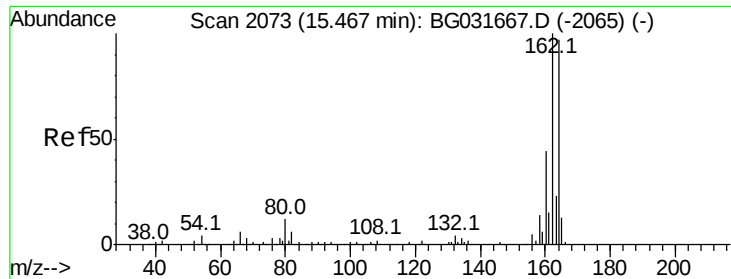
#23  
Nitrobenzene-d5  
Concen: 88.544 ng  
RT: 10.03 min Scan# 1147  
Delta R.T. -0.01 min  
Lab File: BG031705.D  
Acq: 22 Dec 2017 11:15

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 283050 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 49.6  | 29.7  | 44.5#  |
| 54       | 41.3  | 43.1  | 64.7#  |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
200000  
Ion 128.00 (127.70 to 128.70): E  
150000  
Ion 54.00 (53.70 to 54.70): BGC  
100000  
50000  
0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.46 min Scan# 2071

Delta R.T. -0.01 min

Lab File: BG031705.D

Acq: 22 Dec 2017 11:15

Instrument :

BNA\_G

ClientSampleId :

121517-JETT-E-U-M

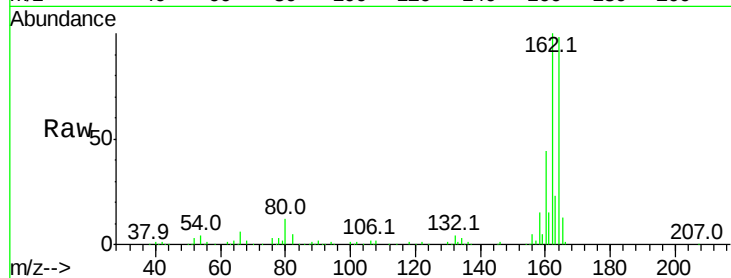
Tot Ion:164 Resp: 172030

Ion Ratio Lower Upper

164 100

162 102.5 78.8 118.2

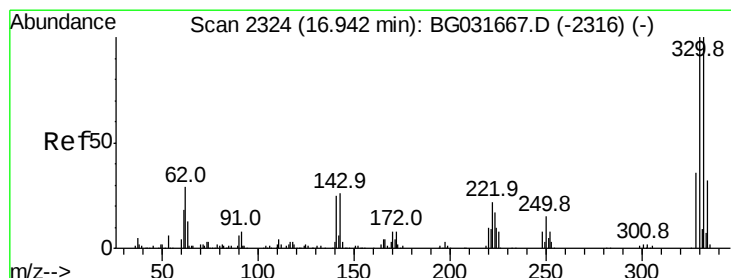
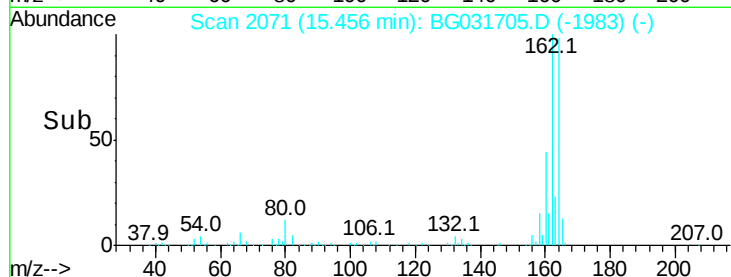
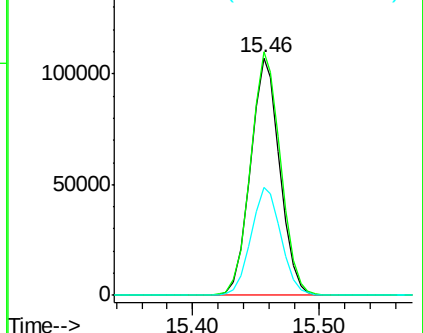
160 45.3 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 90.410 ng

RT: 16.93 min Scan# 2322

Delta R.T. -0.01 min

Lab File: BG031705.D

Acq: 22 Dec 2017 11:15

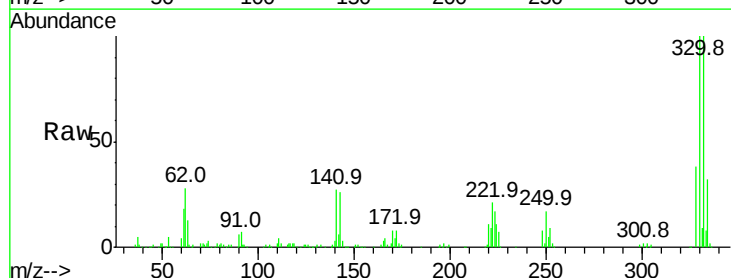
Tgt Ion:330 Resp: 237320

Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

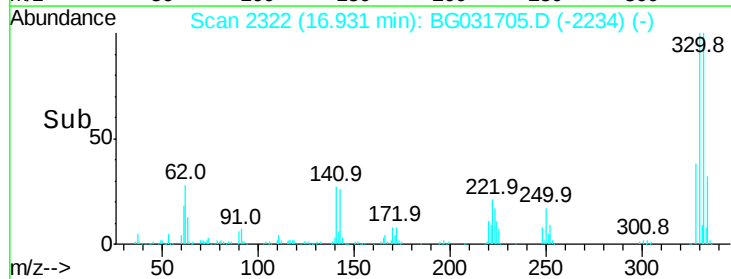
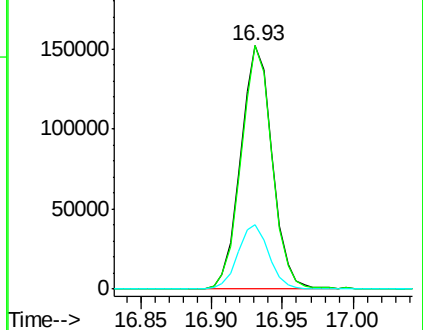
141 26.1 25.2 37.8

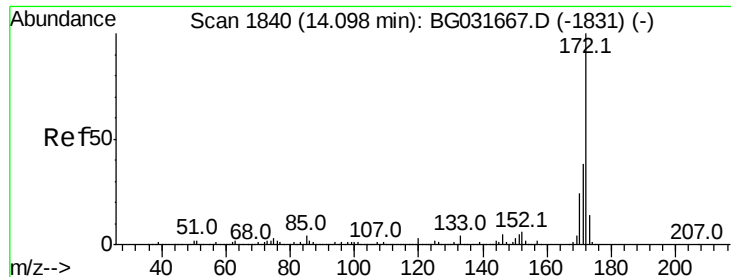


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



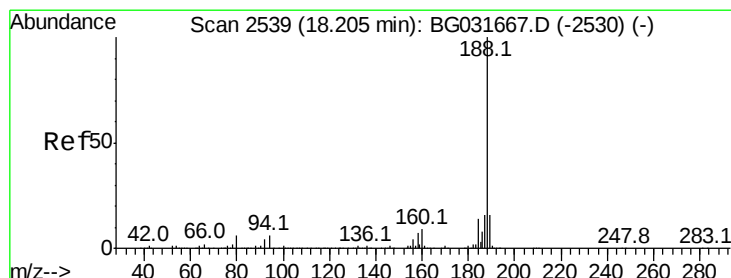
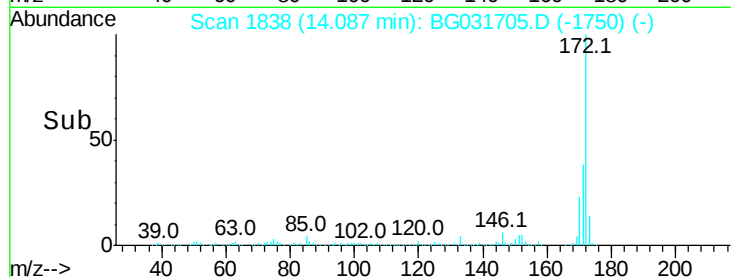
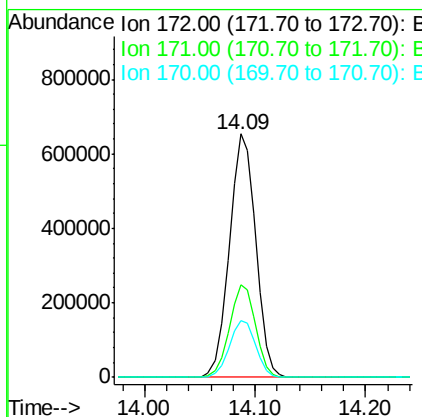
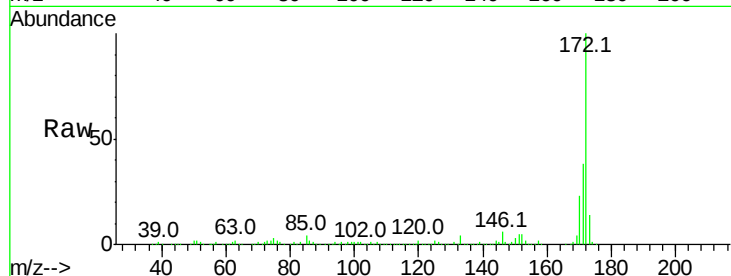


#44  
2-Fluorobiphenyl  
Concen: 79.543 ng  
RT: 14.09 min Scan# 1838  
Delta R.T. -0.01 min  
Lab File: BG031705.D  
Acq: 22 Dec 2017 11:15

Instrument :  
BNA\_G  
ClientSampleId :  
121517-JETT-E-U-M

Tot Ion:172 Resp: 1090232

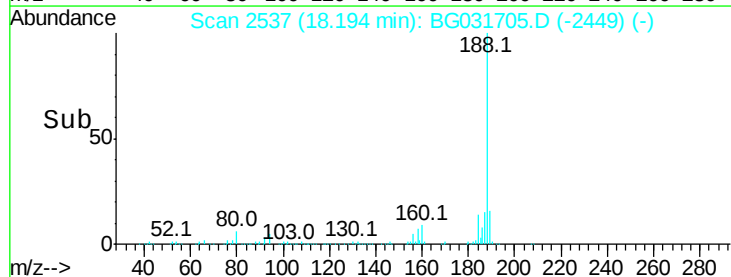
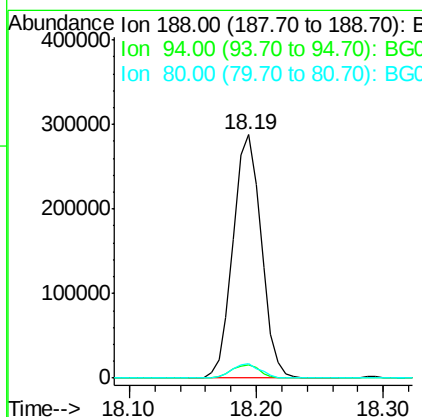
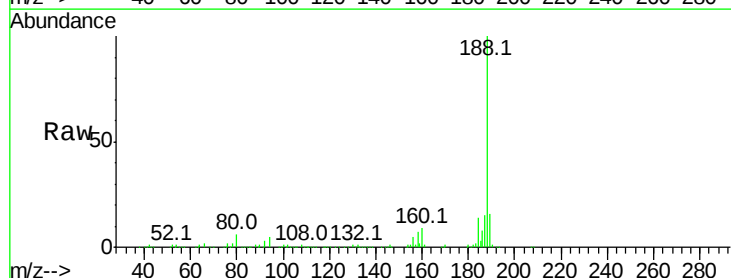
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 38.2  | 30.0  | 45.0  |
| 170 | 23.3  | 19.5  | 29.3  |

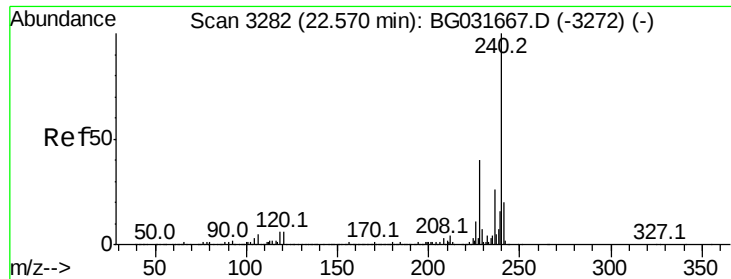


#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.19 min Scan# 2537  
Delta R.T. -0.01 min  
Lab File: BG031705.D  
Acq: 22 Dec 2017 11:15

Tgt Ion:188 Resp: 443826

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 5.4   | 6.9   | 10.3# |
| 80  | 6.1   | 7.7   | 11.5# |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.55 min Scan# 3279

Delta R.T. -0.02 min

Lab File: BG031705.D

Acq: 22 Dec 2017 11:15

Instrument :

BNA\_G

ClientSampleId :

121517-JETT-E-U-M

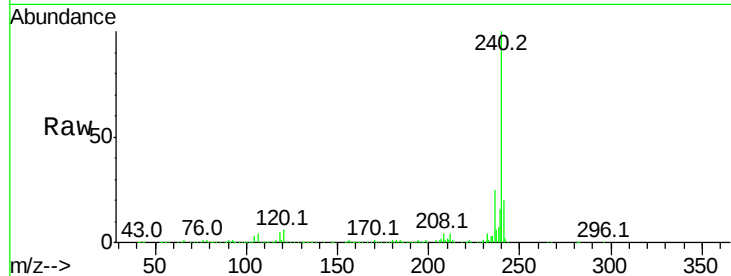
Tot Ion:240 Resp: 521907

Ion Ratio Lower Upper

240 100

120 5.9 6.8 10.2#

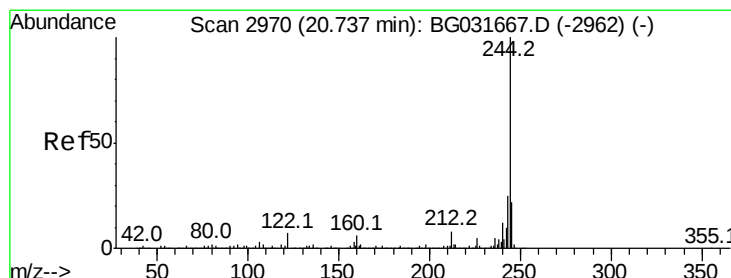
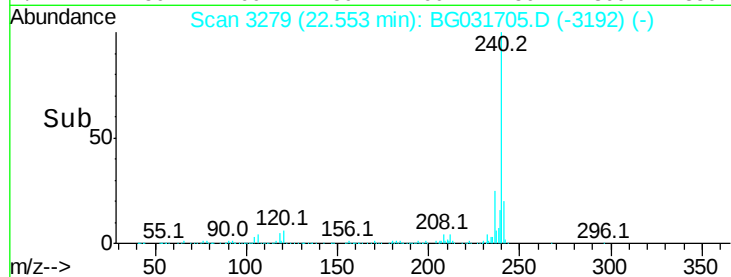
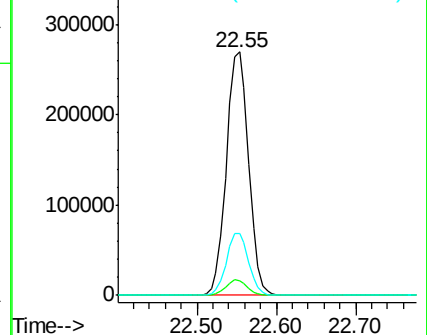
236 25.4 20.9 31.3



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: 78.755 ng

RT: 20.73 min Scan# 2968

Delta R.T. -0.01 min

Lab File: BG031705.D

Acq: 22 Dec 2017 11:15

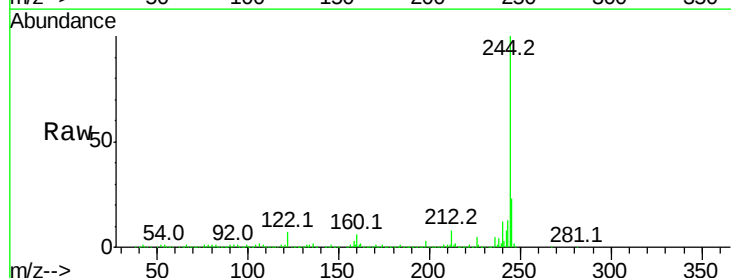
Tgt Ion:244 Resp: 1799091

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

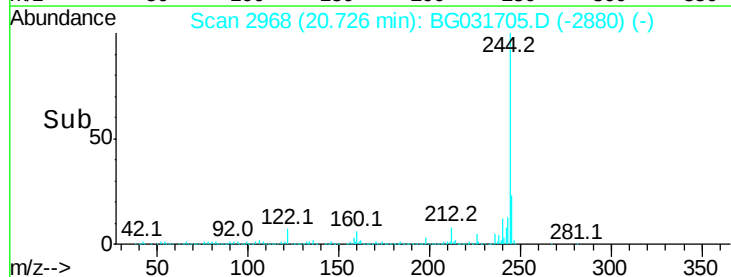
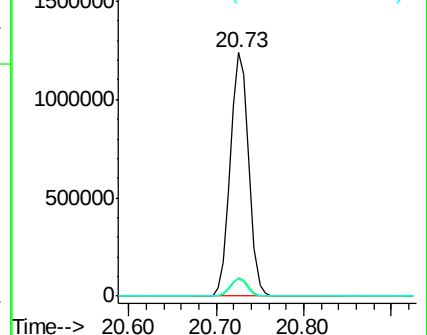
122 7.1 7.0 10.4

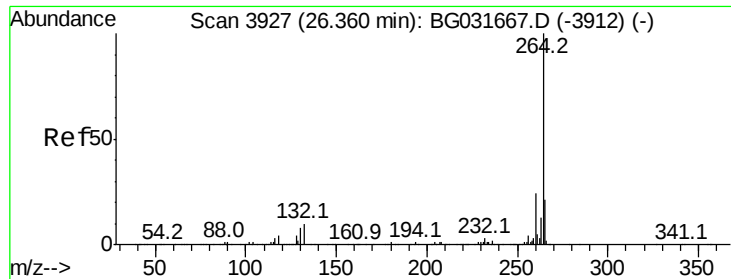


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

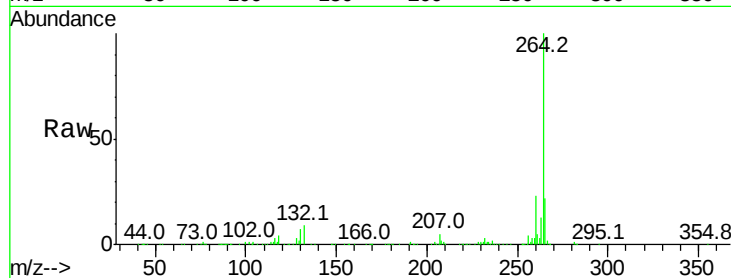




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 26.33 min Scan# 3922  
 Delta R.T. -0.03 min  
 Lab File: BG031705.D  
 Acq: 22 Dec 2017 11:15

Instrument :  
 BNA\_G  
 ClientSampleId :  
 121517-JETT-E-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 17.4  | 26.0  |
| 265     | 22.0  | 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

