

Data Path : Z:\HPCHEM1\BNA F\Data\BF012815\  
 Data File : BF077102.D  
 Acq On : 28 Jan 2015 15:11  
 Operator : TP/IZ  
 Sample : G1167-11RE  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 29 00:15:11 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 28 23:57:14 2015  
 Response via : Initial Calibration

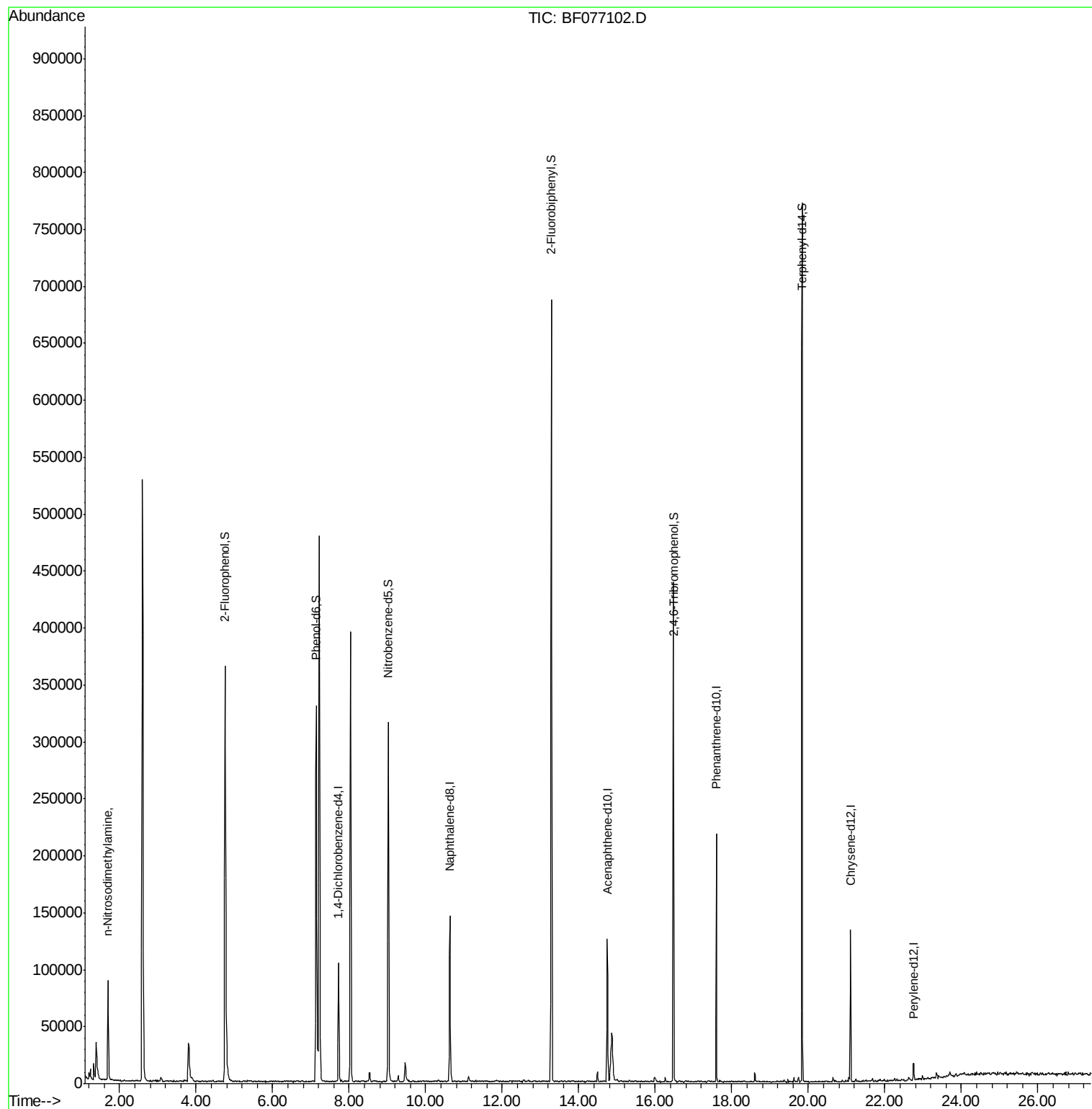
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.72  | 152  | 28873    | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8          | 10.63 | 136  | 117247   | 20.00  | ng    | 0.00          |
| 38) Acenaphthene-d10        | 14.75 | 164  | 42435    | 20.00  | ng    | -0.01         |
| 63) Phenanthrene-d10        | 17.59 | 188  | 98417    | 20.00  | ng    | -0.01         |
| 75) Chrysene-d12            | 21.10 | 240  | 51748    | 20.00  | ng    | -0.01         |
| 86) Perylene-d12            | 22.75 | 264  | 2938     | 20.00  | ng    | -0.07         |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 4.76  | 112  | 214800   | 122.32 | ng    | 0.01          |
| 7) Phenol-d6                | 7.14  | 99   | 219060   | 98.88  | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 9.02  | 82   | 184501   | 87.18  | ng    | -0.01         |
| 41) 2,4,6-Tribromophenol    | 16.48 | 330  | 67433    | 195.77 | ng    | 0.00          |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 363076   | 130.21 | ng    | -0.01         |
| 78) Terphenyl-d14           | 19.84 | 244  | 341460   | 151.91 | ng    | 0.00          |
| Target Compounds            |       |      |          |        |       |               |
| 4) n-Nitrosodimethylamine   | 1.69  | 42   | 2300     | 2.39   | ng    | Qvalue<br># 1 |

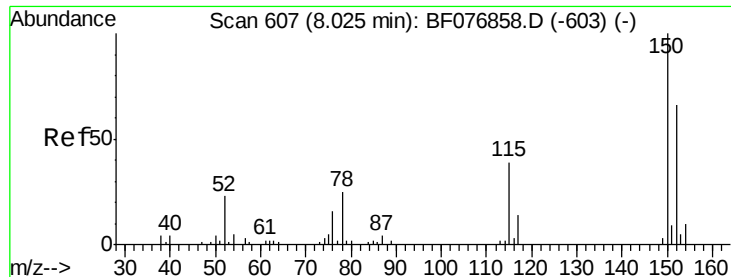
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF012815\  
Data File : BF077102.D  
Acq On : 28 Jan 2015 15:11  
Operator : TP/IZ  
Sample : G1167-11RE  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Jan 29 00:15:11 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Jan 28 23:57:14 2015  
Response via : Initial Calibration



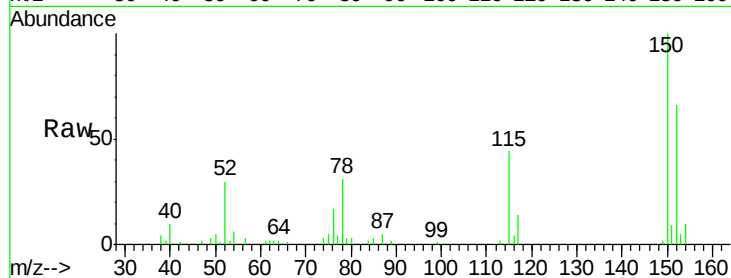


#1

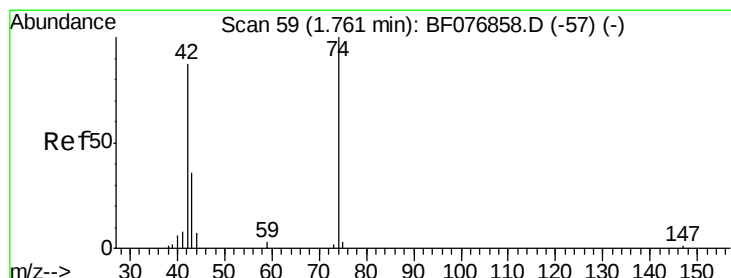
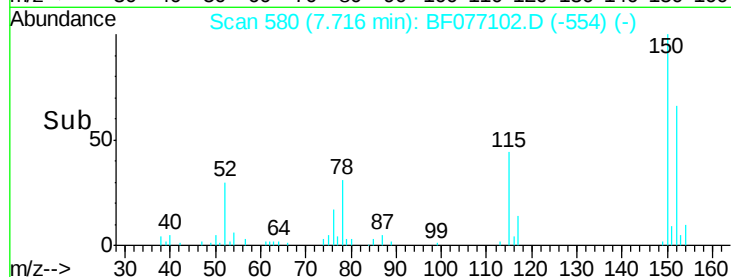
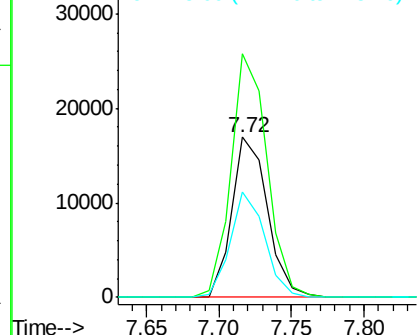
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.72 min Scan# 580  
Delta R.T. 0.00 min  
Lab File: BF077102.D  
Acq: 28 Jan 2015 15:11

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 28873  
Ion Ratio Lower Upper  
152 100  
150 152.2 121.7 182.5  
115 66.2 47.0 70.6



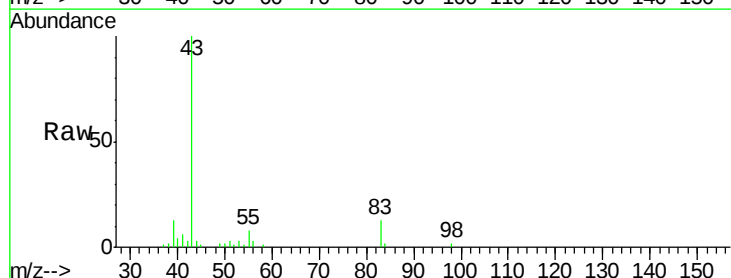
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



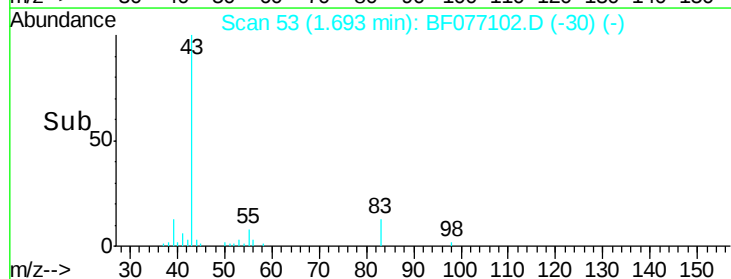
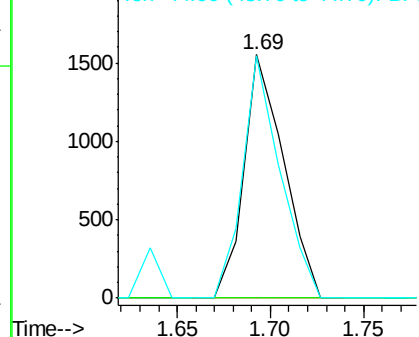
#4

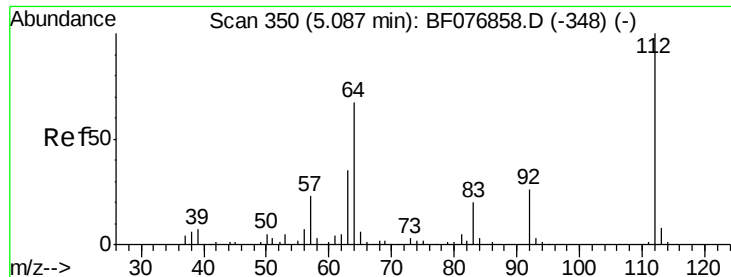
n-Nitrosodimethylamine  
Concen: 2.39 ng  
RT: 1.69 min Scan# 53  
Delta R.T. 0.16 min  
Lab File: BF077102.D  
Acq: 28 Jan 2015 15:11

Tgt Ion: 42 Resp: 2300  
Ion Ratio Lower Upper  
42 100  
74 0.0 92.4 138.6#  
44 99.5 6.2 9.2#



Abundance Ion 42.00 (41.70 to 42.70): BF0  
Ion 74.00 (73.70 to 74.70): BF0  
Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 122.32 ng

RT: 4.76 min Scan# 321

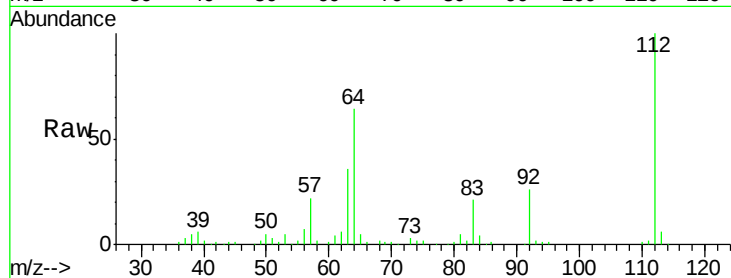
Delta R.T. 0.01 min

Lab File: BF077102.D

Acq: 28 Jan 2015 15:11

Instrument :  
BNA\_F  
ClientSampled :

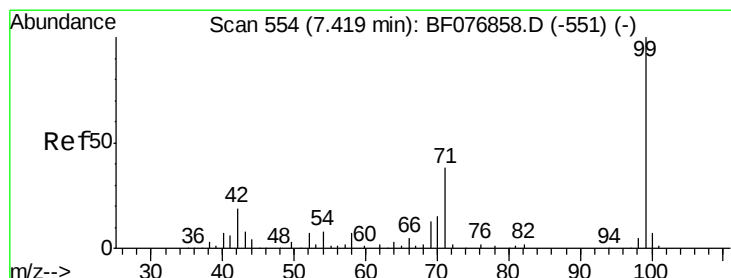
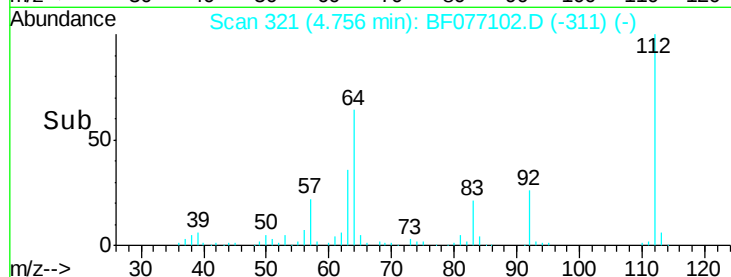
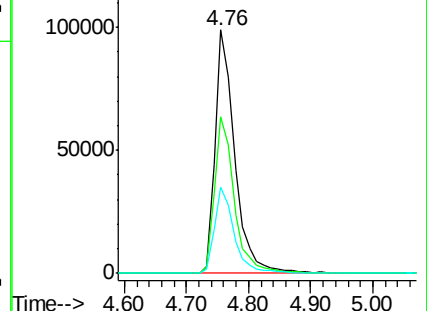
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 112   | Resp: | 214800 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 64.5  | 54.2  | 81.4   |
| 63       | 35.6  | 28.4  | 42.6   |



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 98.88 ng

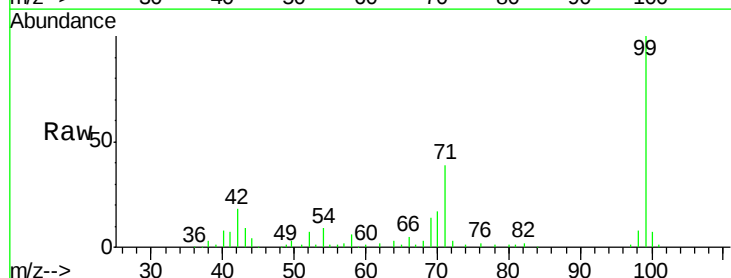
RT: 7.14 min Scan# 530

Delta R.T. 0.00 min

Lab File: BF077102.D

Acq: 28 Jan 2015 15:11

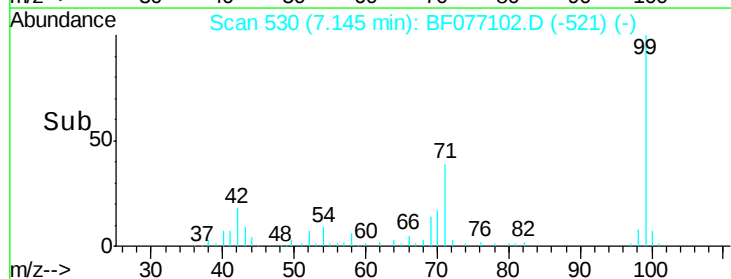
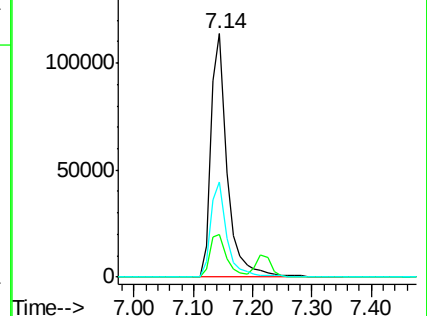
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 99    | Resp: | 219060 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 17.8  | 15.0  | 22.4   |
| 71       | 38.9  | 30.5  | 45.7   |

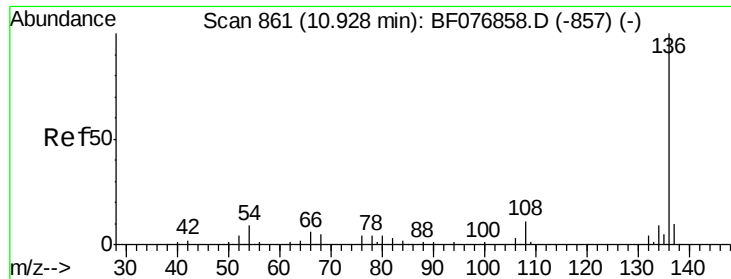


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

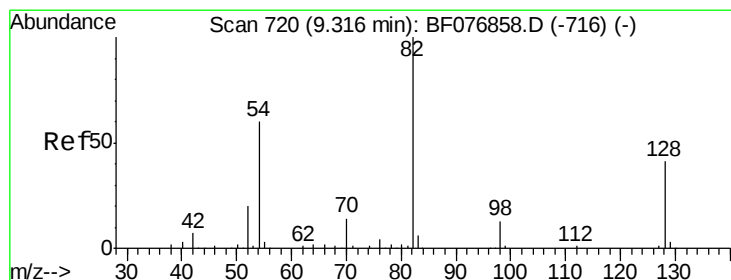
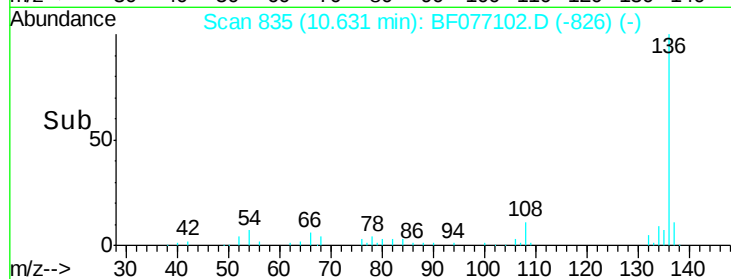
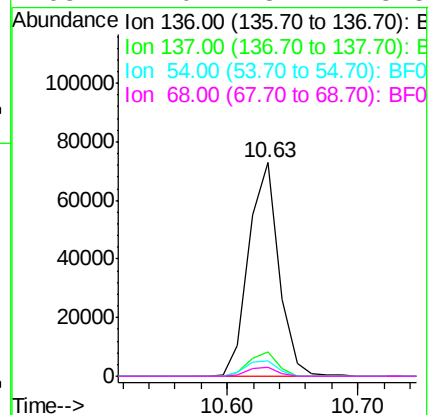
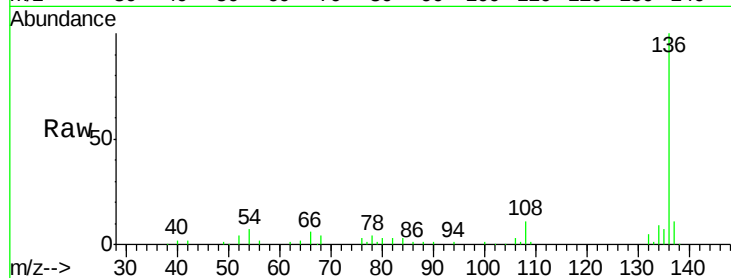




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.63 min Scan# 835  
Delta R.T. 0.00 min  
Lab File: BF077102.D  
Acq: 28 Jan 2015 15:11

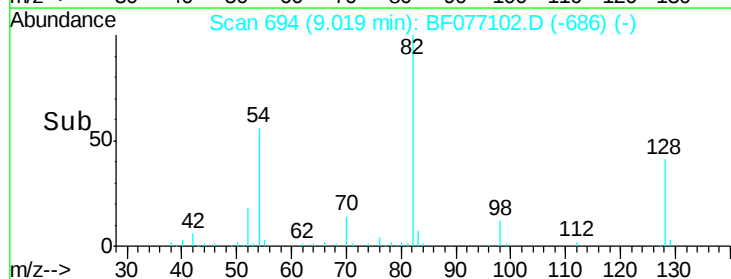
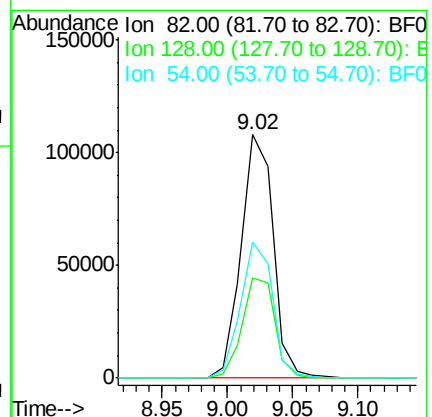
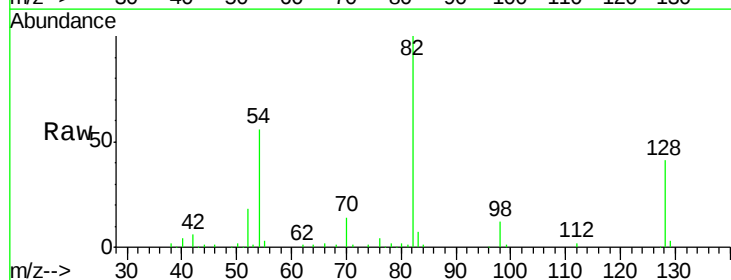
Instrument :  
BNA\_F  
ClientSampled :

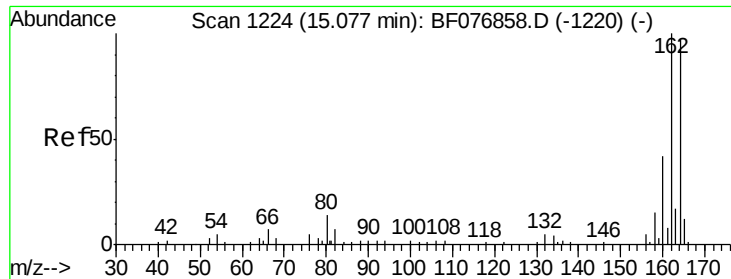
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 117247   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.2  | 8.1 12.1 |
| 54          | 7.4   | 7.0 10.4 |
| 68          | 4.0   | 3.7 5.5  |



#23  
Nitrobenzene-d5  
Concen: 87.18 ng  
RT: 9.02 min Scan# 694  
Delta R.T. -0.01 min  
Lab File: BF077102.D  
Acq: 28 Jan 2015 15:11

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 184501    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 41.2  | 33.1 49.7 |
| 54          | 56.1  | 48.3 72.5 |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.75 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BF077102.D

Acq: 28 Jan 2015 15:11

Instrument :

BNA\_F

ClientSampleId :

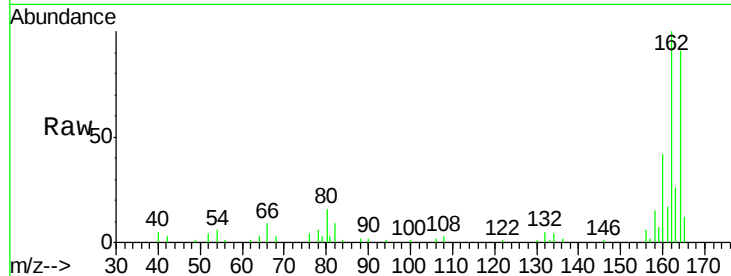
Tot Ion:164 Resp: 42435

Ion Ratio Lower Upper

164 100

162 109.8 82.4 123.6

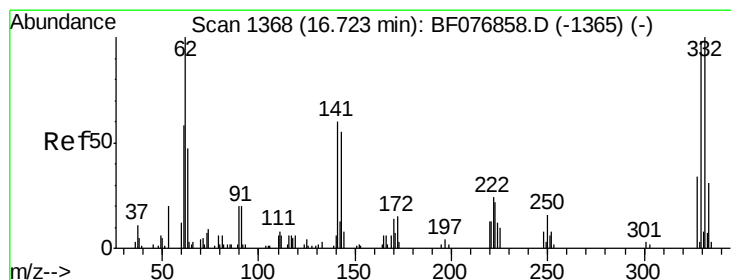
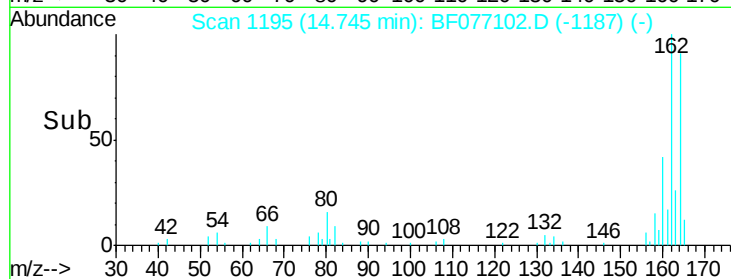
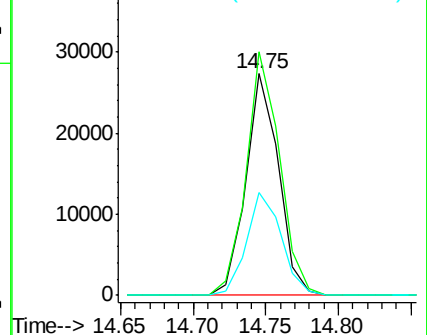
160 46.5 34.8 52.2



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: 195.77 ng

RT: 16.48 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BF077102.D

Acq: 28 Jan 2015 15:11

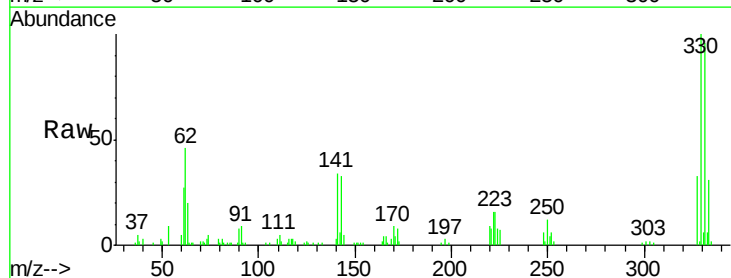
Tgt Ion:330 Resp: 67433

Ion Ratio Lower Upper

330 100

332 97.8 77.8 116.6

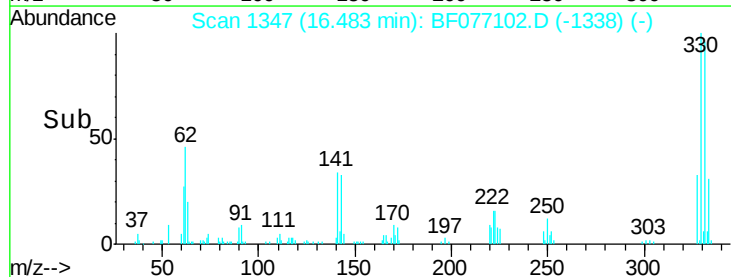
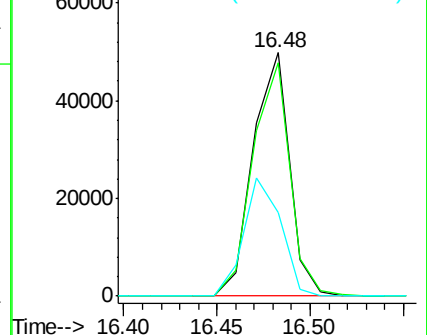
141 50.1 38.5 57.7

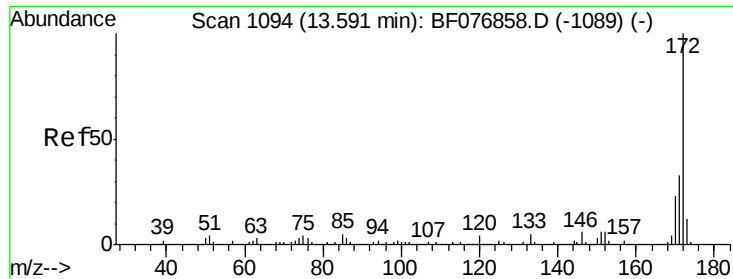


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

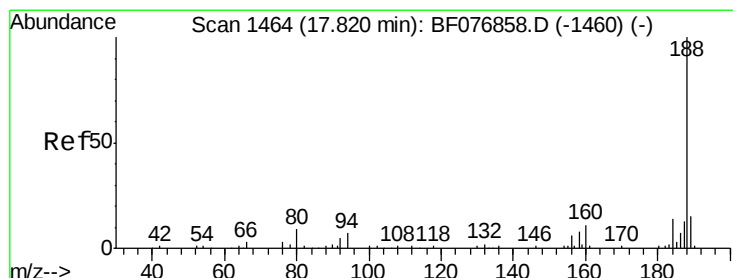
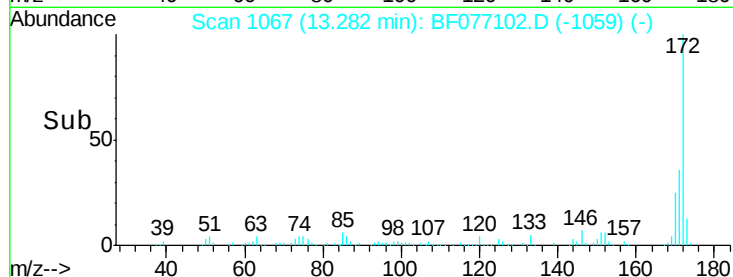
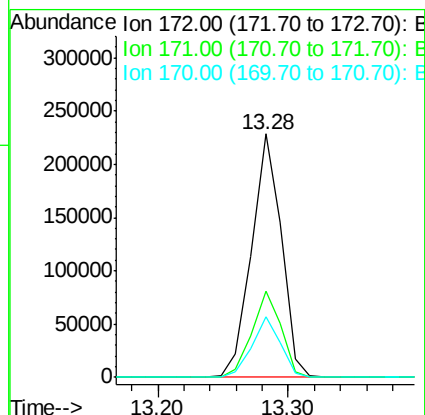
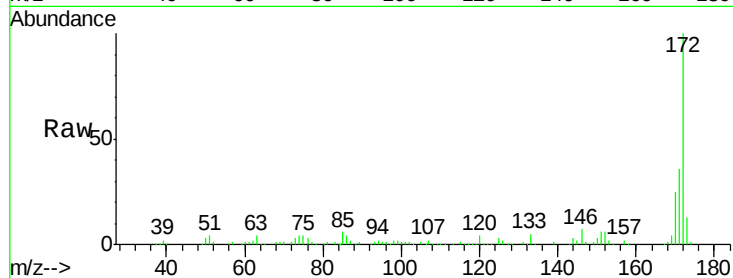




#44  
 2-Fluorobiphenyl  
 Concen: 130.21 ng  
 RT: 13.28 min Scan# 1067  
 Delta R.T. -0.01 min  
 Lab File: BF077102.D  
 Acq: 28 Jan 2015 15:11

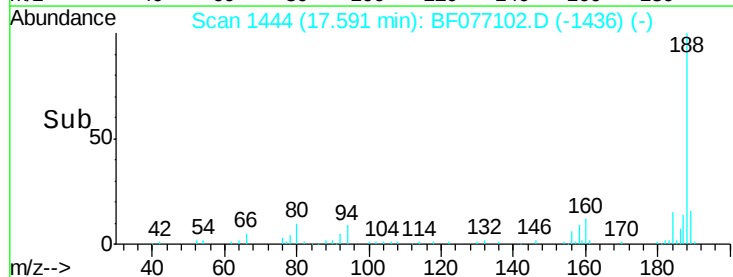
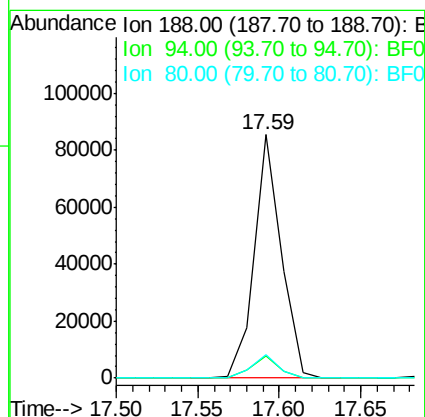
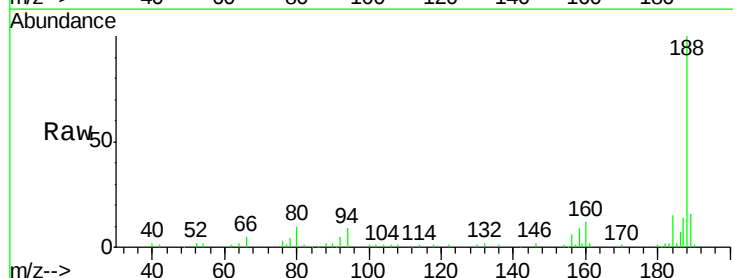
Instrument :  
 BNA\_F  
 ClientSampleId :

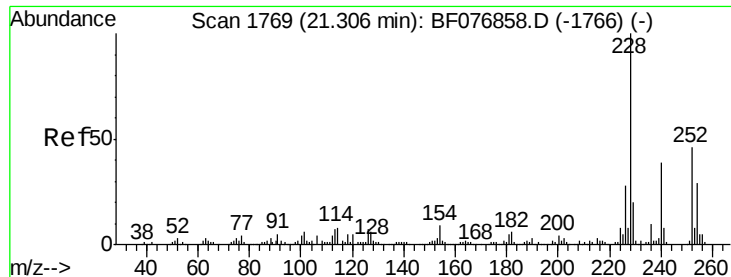
Tot Ion:172 Resp: 363076  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 26.6 40.0  
 170 24.8 18.0 27.0



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.59 min Scan# 1444  
 Delta R.T. -0.01 min  
 Lab File: BF077102.D  
 Acq: 28 Jan 2015 15:11

Tgt Ion:188 Resp: 98417  
 Ion Ratio Lower Upper  
 188 100  
 94 9.0 6.0 9.0#  
 80 9.6 6.9 10.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.10 min Scan# 1751

Delta R.T. -0.01 min

Lab File: BF077102.D

Acq: 28 Jan 2015 15:11

Instrument :

BNA\_F

ClientSampled :

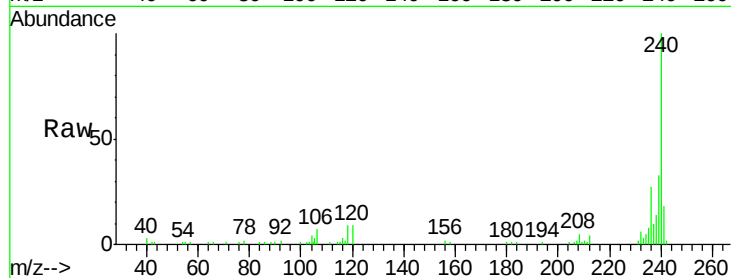
Tot Ion:240 Resp: 51748

Ion Ratio Lower Upper

240 100

120 9.4 10.4 15.6#

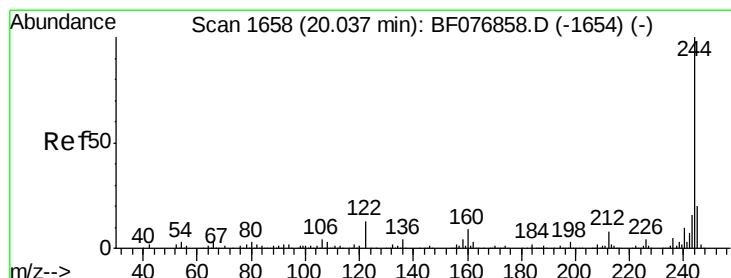
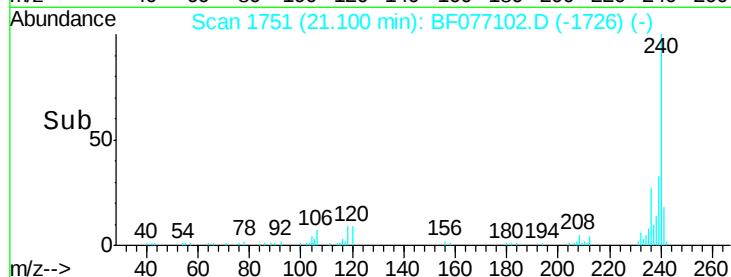
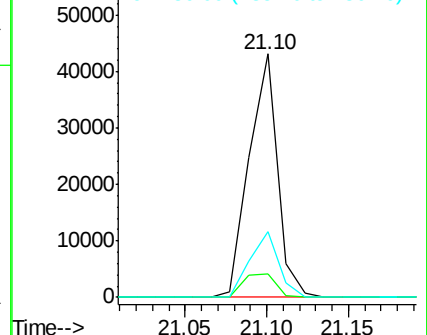
236 27.0 20.2 30.2



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: 151.91 ng

RT: 19.84 min Scan# 1641

Delta R.T. 0.00 min

Lab File: BF077102.D

Acq: 28 Jan 2015 15:11

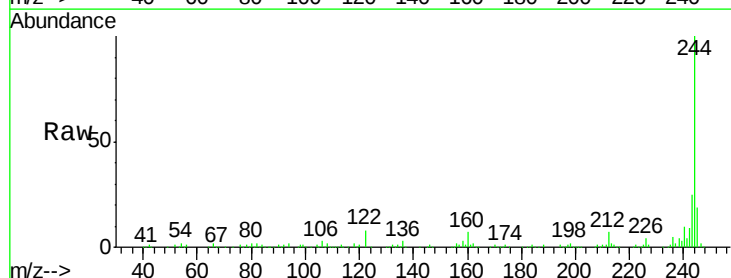
Tgt Ion:244 Resp: 341460

Ion Ratio Lower Upper

244 100

212 7.3 6.3 9.5

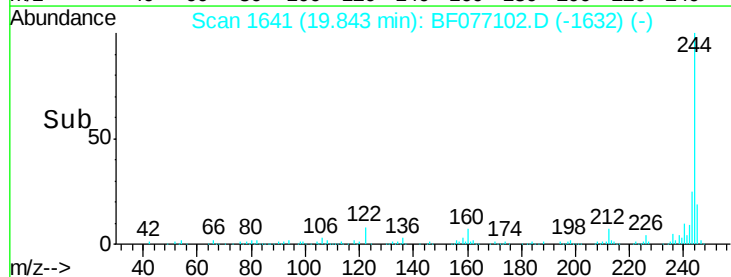
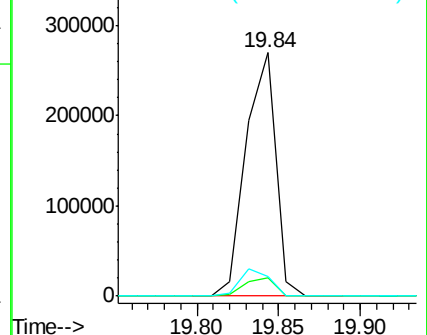
122 8.3 10.1 15.1#

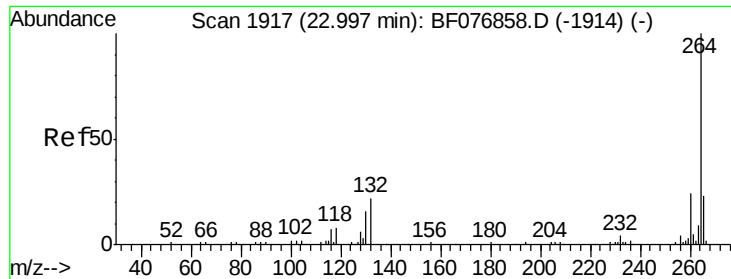


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

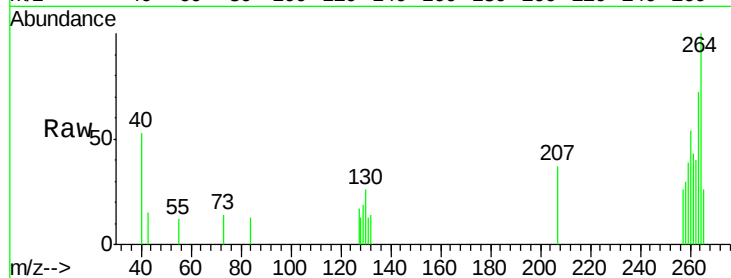




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 22.75 min Scan# 1895  
 Delta R.T. -0.07 min  
 Lab File: BF077102.D  
 Acq: 28 Jan 2015 15:11

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion: 264 Resp: 2938  
 Ion Ratio Lower Upper  
 264 100  
 260 54.4 19.0 28.4#  
 265 26.0 18.1 27.1



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

