

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121916\  
 Data File : BF091798.D  
 Acq On : 20 Dec 2016 2:48  
 Operator : UM/SJ  
 Sample : H6165-06  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SBW-5

Quant Time: Dec 20 03:37:04 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Dec 17 22:53:54 2016  
 Response via : Initial Calibration

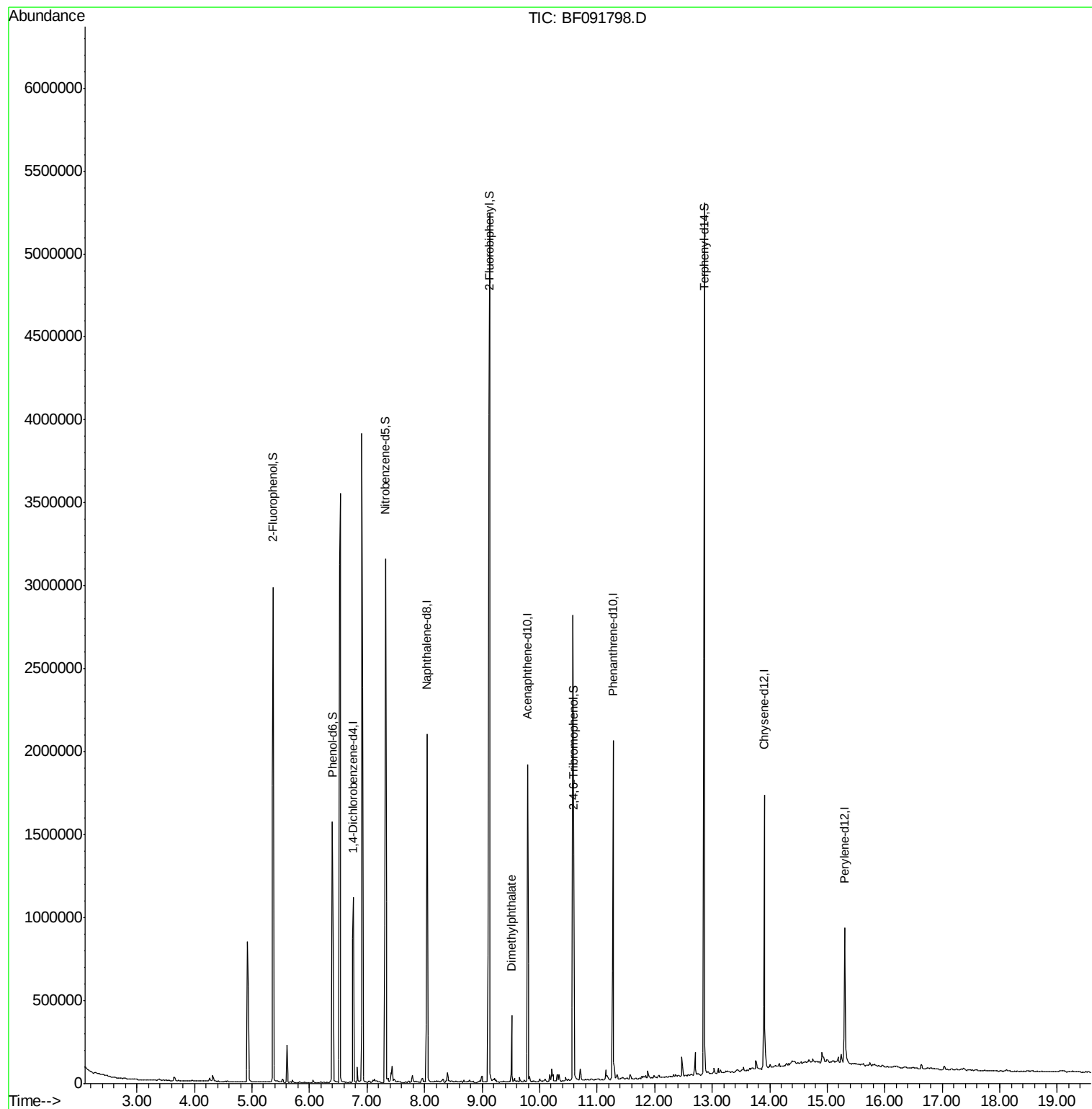
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.76  | 152  | 235059   | 20.00  | ng    | -0.01        |
| 21) Naphthalene-d8          | 8.04  | 136  | 942050   | 20.00  | ng    | -0.02        |
| 38) Acenaphthene-d10        | 9.79  | 164  | 458347   | 20.00  | ng    | -0.02        |
| 63) Phenanthrene-d10        | 11.28 | 188  | 767288   | 20.00  | ng    | -0.01        |
| 75) Chrysene-d12            | 13.91 | 240  | 552242   | 20.00  | ng    | -0.02        |
| 86) Perylene-d12            | 15.30 | 264  | 446263   | 20.00  | ng    | -0.03        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.37  | 112  | 1026722  | 73.18  | ng    | 0.00         |
| 7) Phenol-d6                | 6.40  | 99   | 654266   | 38.24  | ng    | -0.02        |
| 23) Nitrobenzene-d5         | 7.32  | 82   | 1277813  | 78.22  | ng    | -0.02        |
| 41) 2,4,6-Tribromophenol    | 10.59 | 330  | 426431   | 109.72 | ng    | -0.01        |
| 44) 2-Fluorobiphenyl        | 9.13  | 172  | 2363016  | 103.57 | ng    | -0.01        |
| 78) Terphenyl-d14           | 12.87 | 244  | 1812100  | 82.85  | ng    | -0.01        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.52  | 163  | 149688   | 5.00   | ng    | Qvalue<br>98 |

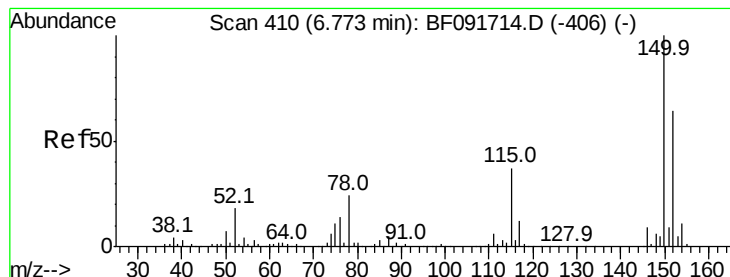
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121916\  
Data File : BF091798.D  
Acq On : 20 Dec 2016 2:48  
Operator : UM/SJ  
Sample : H6165-06  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SBW-5

Quant Time: Dec 20 03:37:04 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Dec 17 22:53:54 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF091798.D

Acq: 20 Dec 2016 2:48

Instrument :

BNA\_F

ClientSampleId :

SBW-5

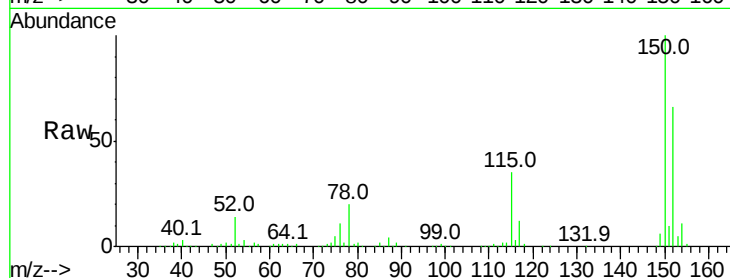
Tot Ion:152 Resp: 235059

Ion Ratio Lower Upper

152 100

150 152.1 124.9 187.3

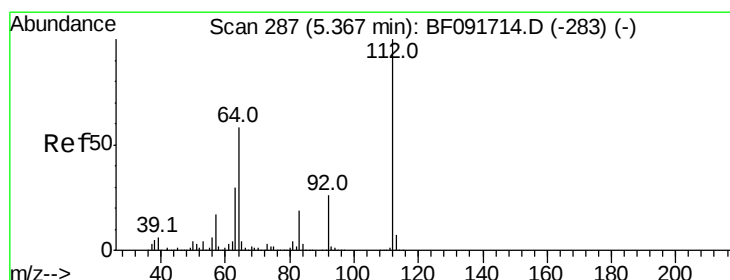
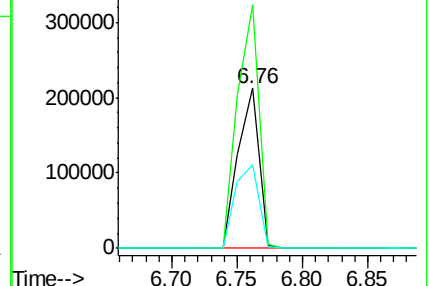
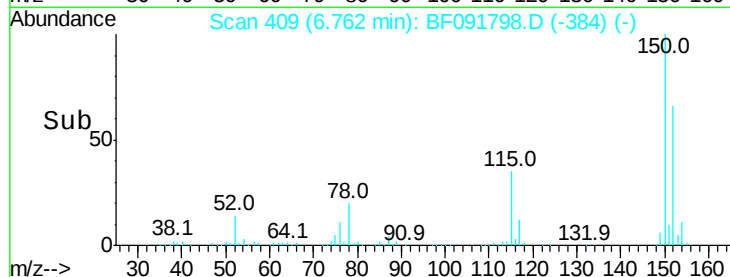
115 52.6 46.0 69.0



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: 73.18 ng

RT: 5.37 min Scan# 287

Delta R.T. 0.00 min

Lab File: BF091798.D

Acq: 20 Dec 2016 2:48

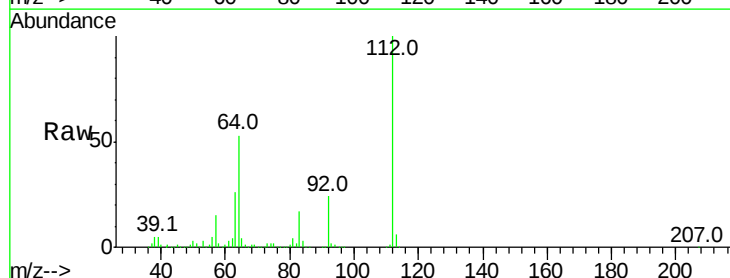
Tgt Ion:112 Resp: 1026722

Ion Ratio Lower Upper

112 100

64 52.7 46.1 69.1

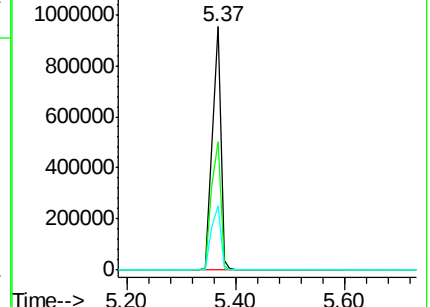
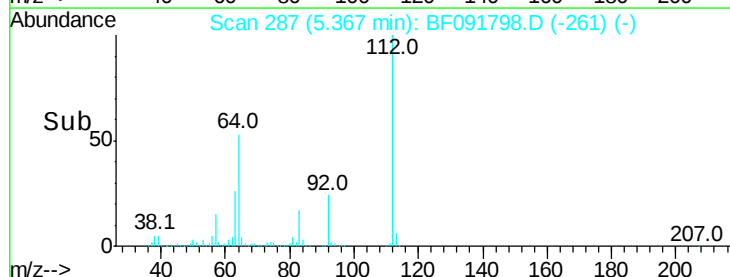
63 26.4 23.8 35.6

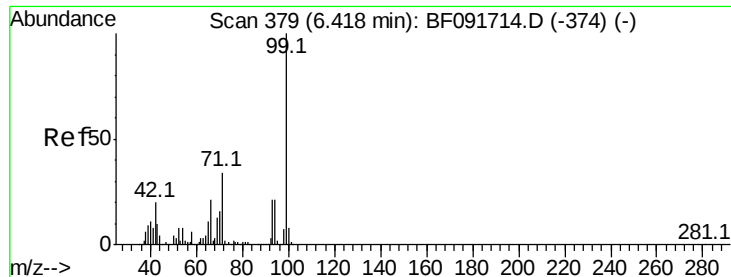


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 38.24 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF091798.D

Acq: 20 Dec 2016 2:48

Instrument :

BNA\_F

ClientSampleId :

SBW-5

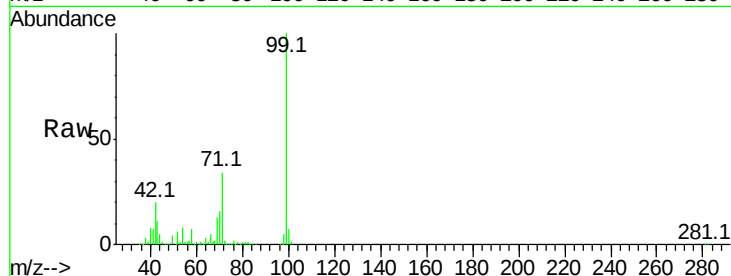
Tot Ion: 99 Resp: 654266

Ion Ratio Lower Upper

99 100

42 20.2 15.6 23.4

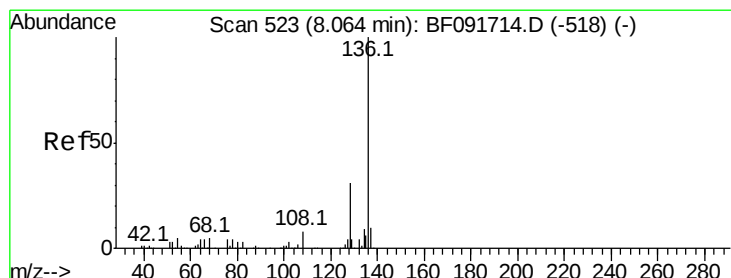
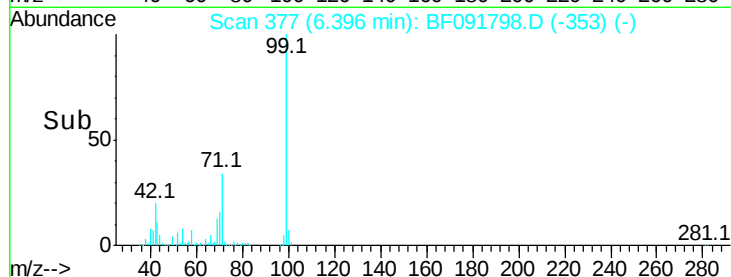
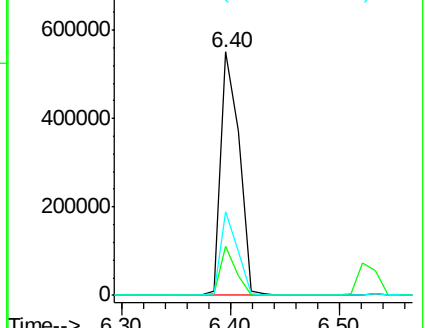
71 34.2 27.5 41.3



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: 8.04 min Scan# 521

Delta R.T. -0.02 min

Lab File: BF091798.D

Acq: 20 Dec 2016 2:48

Tgt Ion: 136 Resp: 942050

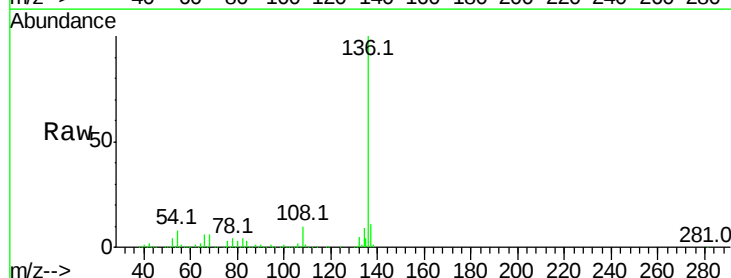
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 8.4 4.5 6.7#

68 6.3 3.6 5.4#

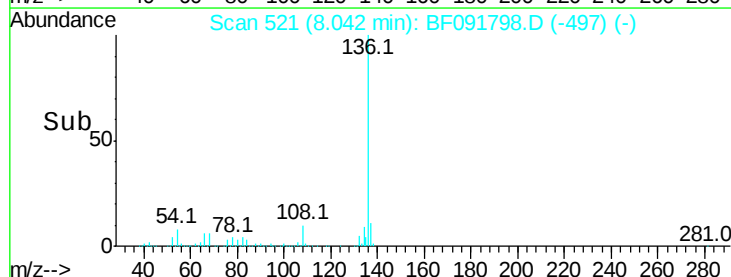
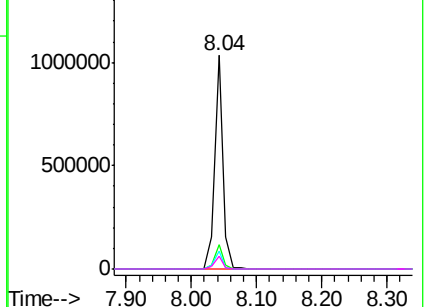


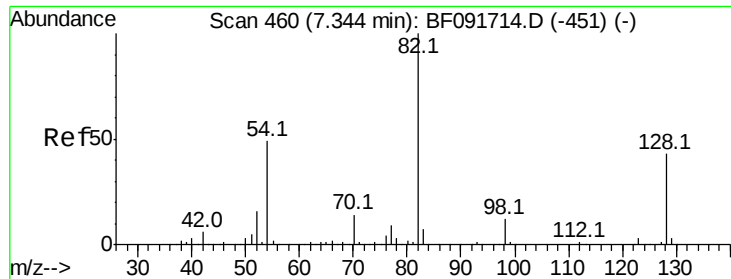
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



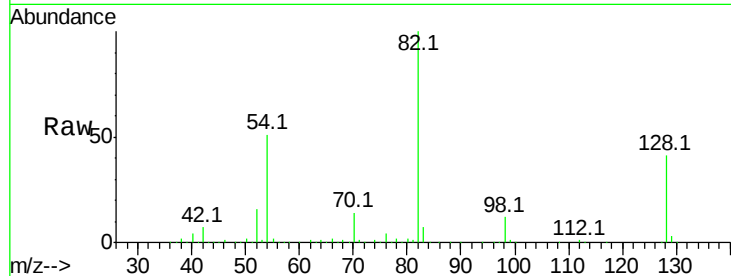


#23  
 Nitrobenzene-d5  
 Concen: 78.22 ng  
 RT: 7.32 min Scan# 458  
 Delta R.T. -0.02 min  
 Lab File: BF091798.D  
 Acq: 20 Dec 2016 2:48

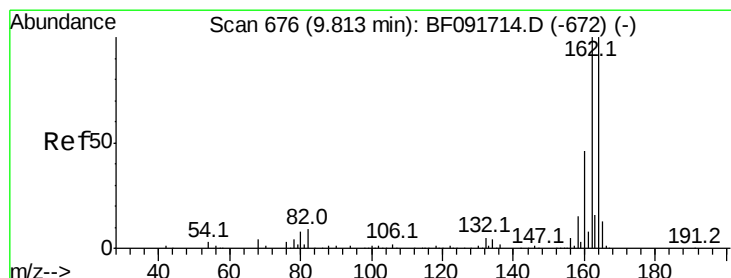
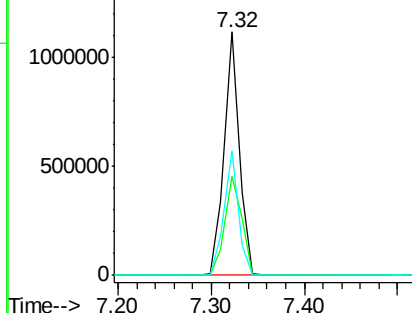
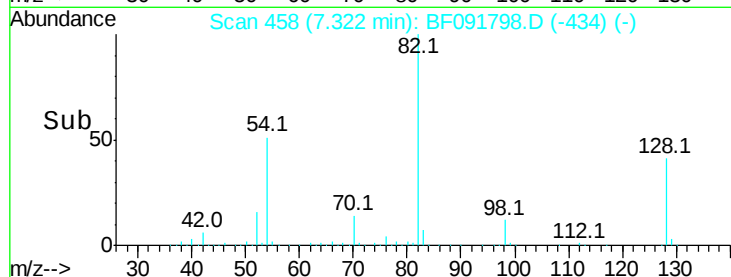
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SBW-5

Tot Ion: 82 Resp: 1277813  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 40.6  | 34.6  | 52.0  |
| 54  | 51.2  | 39.5  | 59.3  |



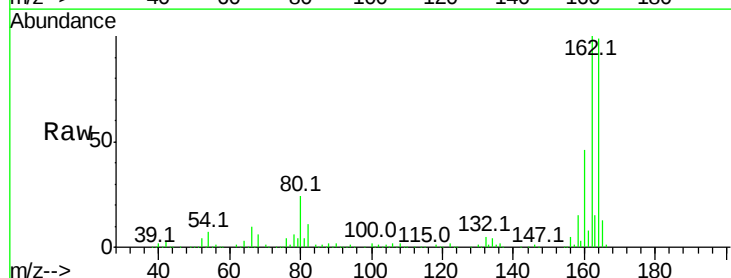
Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0



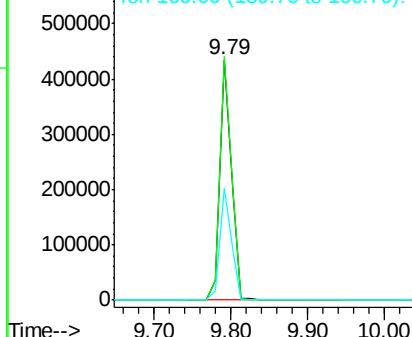
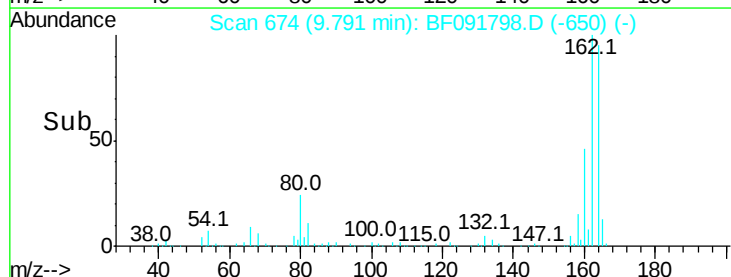
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.79 min Scan# 674  
 Delta R.T. -0.02 min  
 Lab File: BF091798.D  
 Acq: 20 Dec 2016 2:48

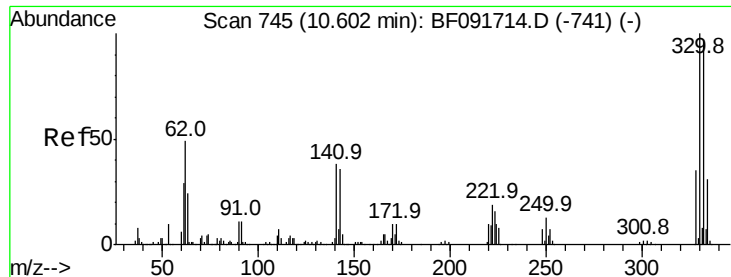
Tgt Ion:164 Resp: 458347  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 101.4 | 80.2  | 120.2 |
| 160 | 46.4  | 36.9  | 55.3  |



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

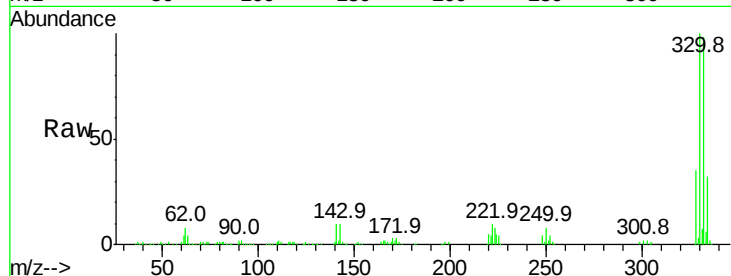




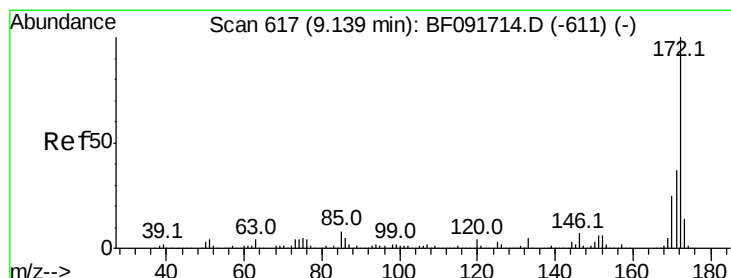
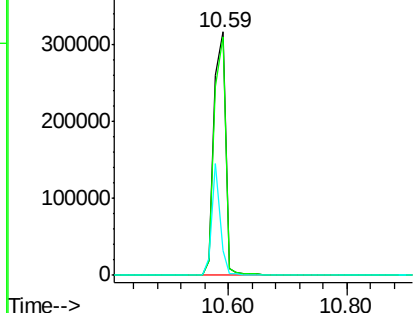
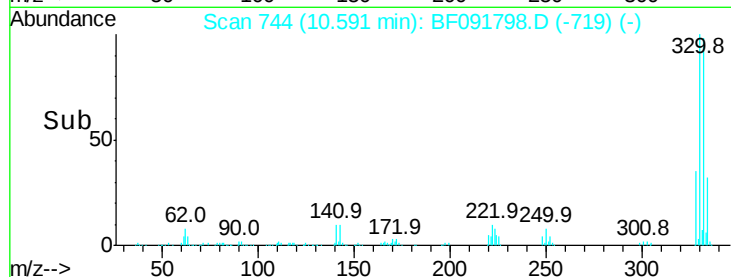
#41  
 2,4,6-Tribromophenol  
 Concen: 109.72 ng  
 RT: 10.59 min Scan# 744  
 Delta R.T. -0.01 min  
 Lab File: BF091798.D  
 Acq: 20 Dec 2016 2:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SBW-5

Tot Ion:330 Resp: 426431  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 77.4 116.2  
 141 33.4 34.1 51.1#

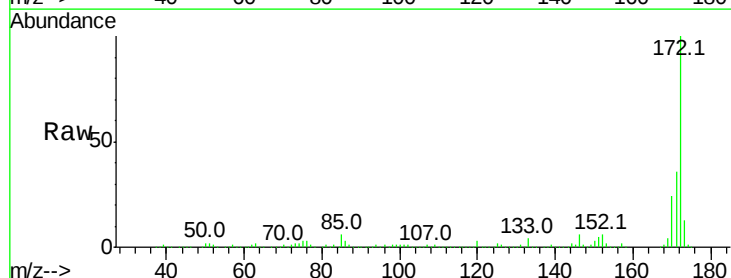


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

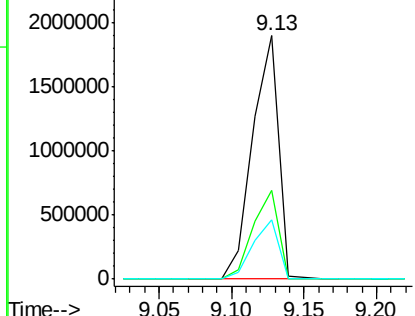
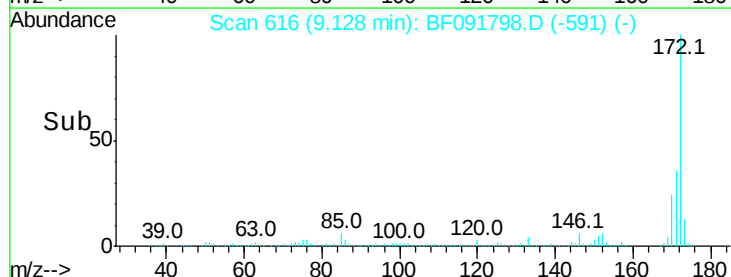


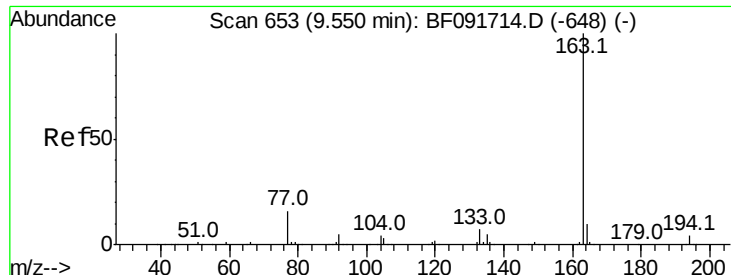
#44  
 2-Fluorobiphenyl  
 Concen: 103.57 ng  
 RT: 9.13 min Scan# 616  
 Delta R.T. -0.01 min  
 Lab File: BF091798.D  
 Acq: 20 Dec 2016 2:48

Tgt Ion:172 Resp: 2363016  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.4 44.0  
 170 24.4 20.2 30.4



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: 5.00 ng

RT: 9.52 min Scan# 650

Delta R.T. -0.03 min

Lab File: BF091798.D

Acq: 20 Dec 2016 2:48

Instrument :

BNA\_F

ClientSampleId :

SBW-5

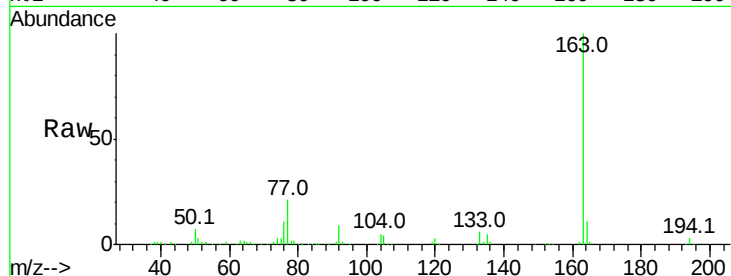
Tot Ion:163 Resp: 149688

Ion Ratio Lower Upper

163 100

194 3.2 3.0 4.4

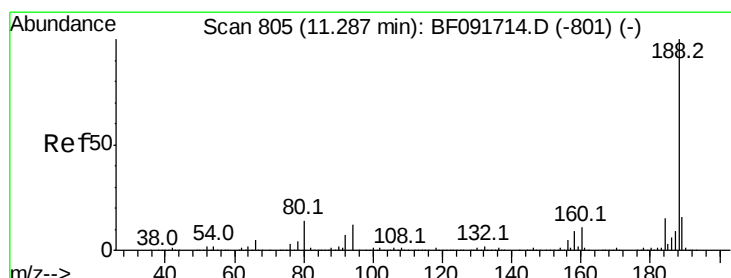
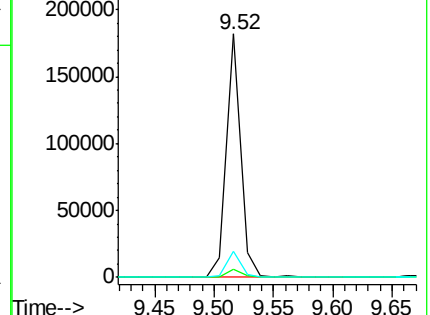
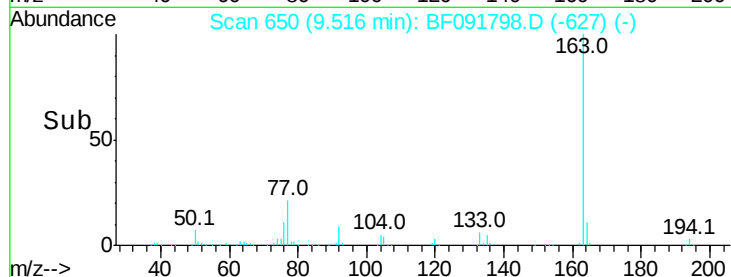
164 10.6 8.0 12.0



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: 11.28 min Scan# 804

Delta R.T. -0.01 min

Lab File: BF091798.D

Acq: 20 Dec 2016 2:48

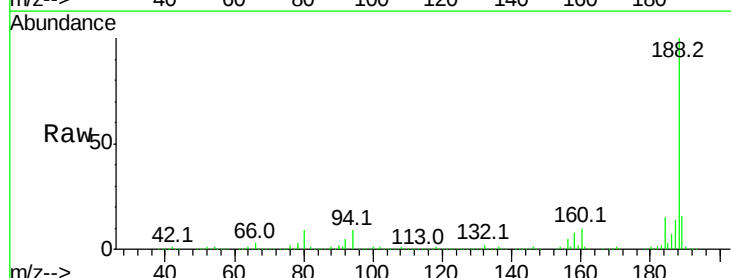
Tgt Ion:188 Resp: 767288

Ion Ratio Lower Upper

188 100

94 8.6 10.0 15.0#

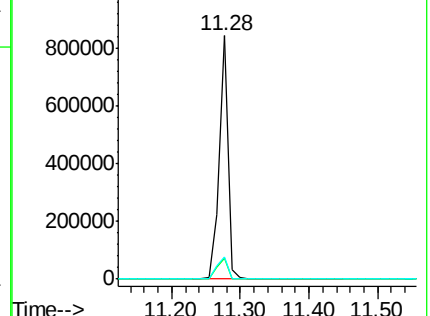
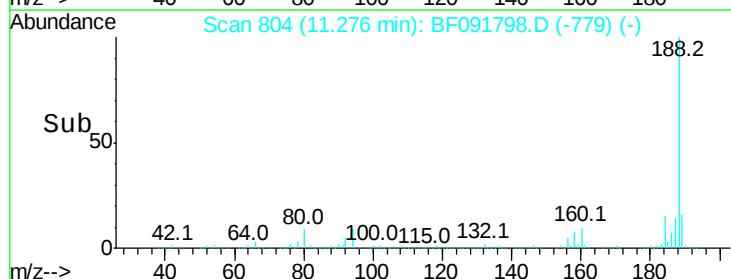
80 8.9 11.2 16.8#

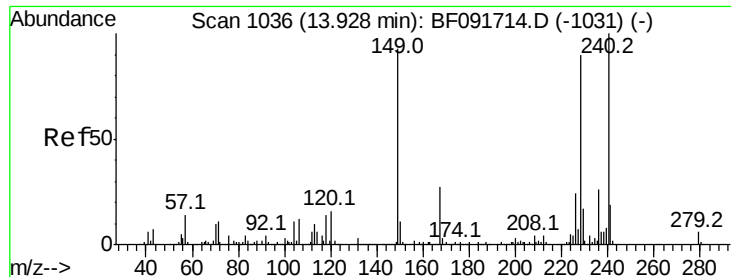


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrvsene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF091798.D

Acq: 20 Dec 2016 2:48

Instrument :

BNA\_F

ClientSampleId :

SBW-5

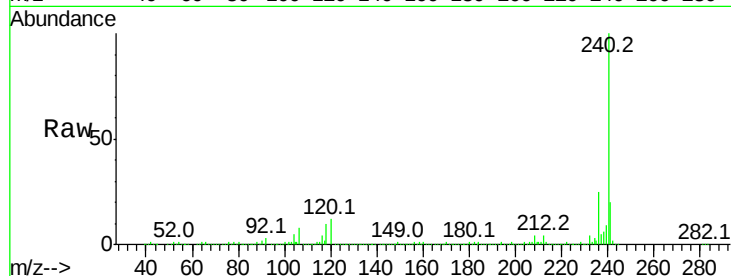
Tot Ion:240 Resp: 552242

Ion Ratio Lower Upper

240 100

120 11.8 12.9 19.3#

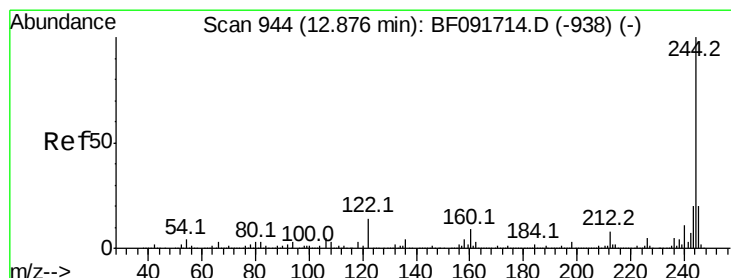
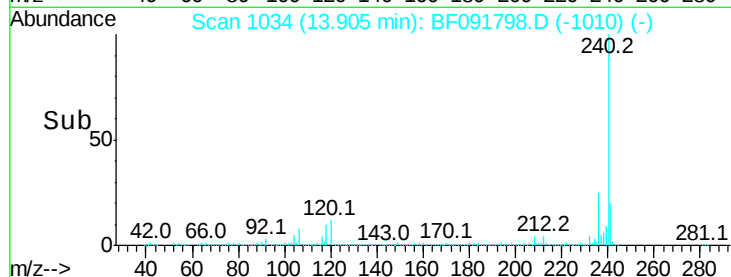
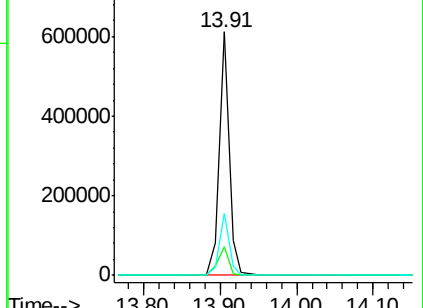
236 25.5 20.9 31.3



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: 82.85 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF091798.D

Acq: 20 Dec 2016 2:48

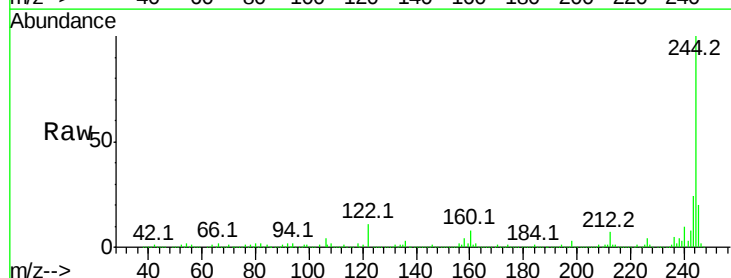
Tgt Ion:244 Resp: 1812100

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

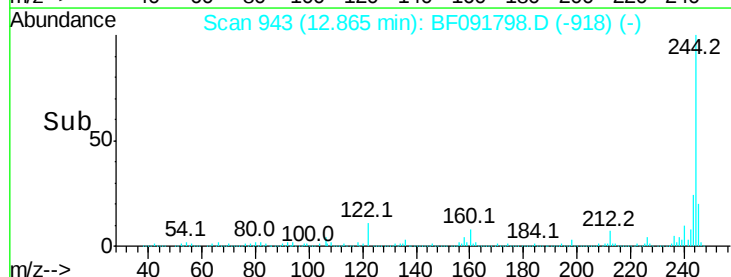
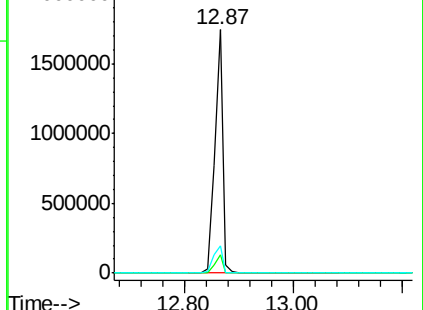
122 11.4 11.4 17.2#

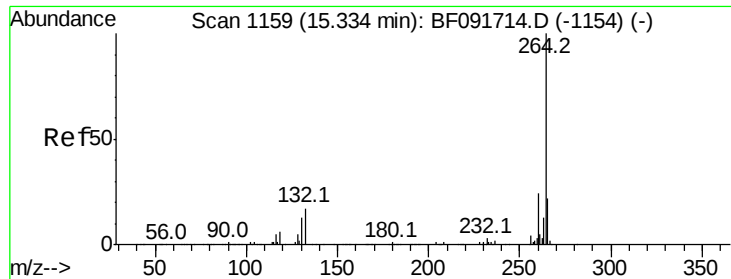


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

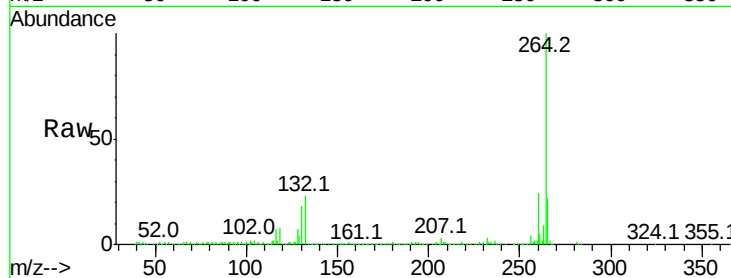




#86  
 Pervlene-d12  
 Concen: 20.00 ng  
 RT: 15.30 min Scan# 1156  
 Delta R.T. -0.03 min  
 Lab File: BF091798.D  
 Acq: 20 Dec 2016 2:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SBW-5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 19.2  | 28.8  |
| 265     | 21.8  | 17.4  | 26.0  |



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

