

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111716\  
 Data File : BF091228.D  
 Acq On : 17 Nov 2016 22:32  
 Operator : UM/SJ  
 Sample : H5681-04  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WQ-4W

Quant Time: Nov 18 04:06:09 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 08 12:59:29 2016  
 Response via : Initial Calibration

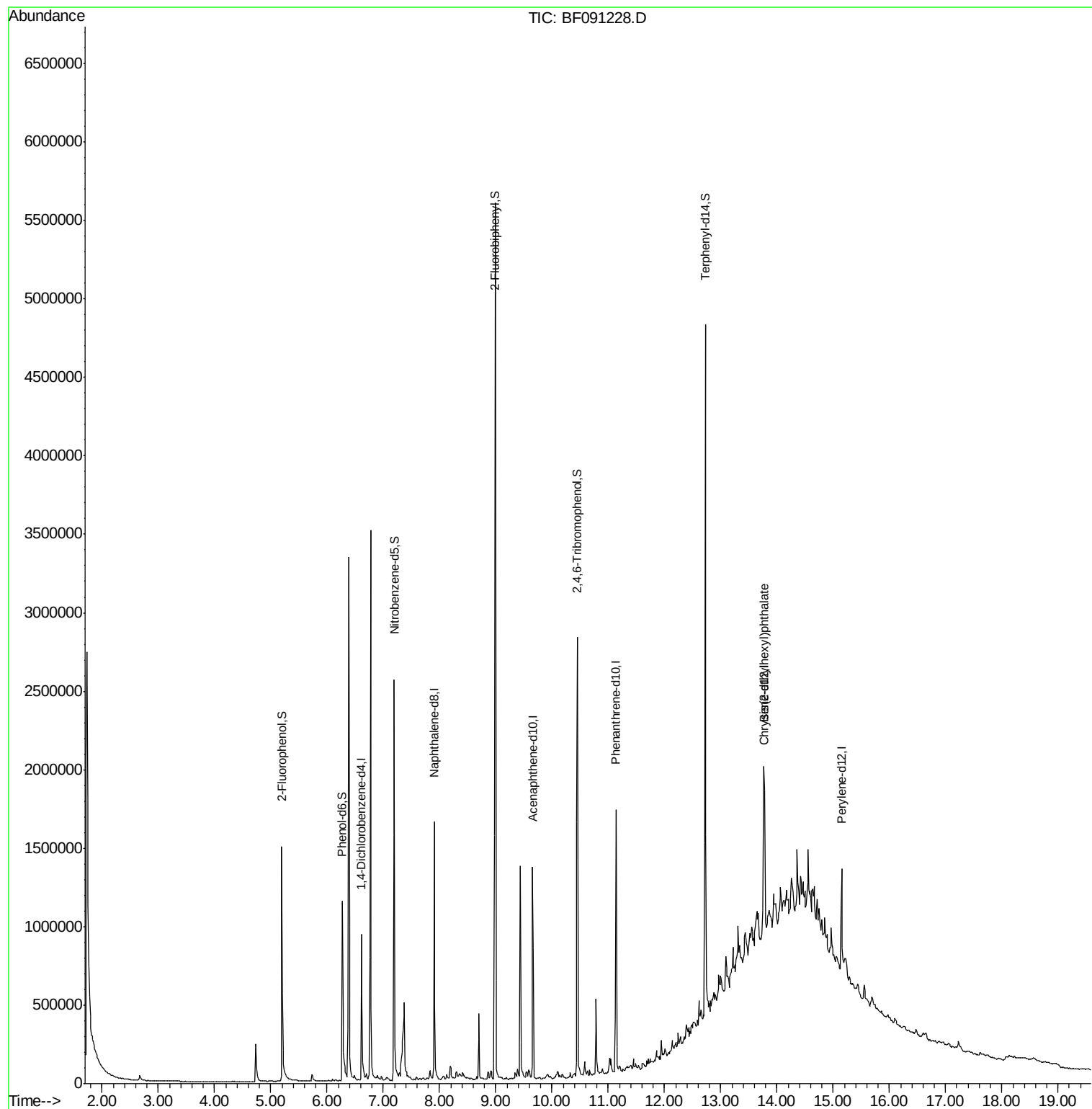
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|--------------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.61  | 152  | 189223   | 20.00  | ng    | -0.05        |
| 21) Naphthalene-d8             | 7.90  | 136  | 788830   | 20.00  | ng    | -0.05        |
| 38) Acenaphthene-d10           | 9.65  | 164  | 371096   | 20.00  | ng    | -0.05        |
| 63) Phenanthrene-d10           | 11.14 | 188  | 628257   | 20.00  | ng    | -0.03        |
| 75) Chrysene-d12               | 13.78 | 240  | 429631   | 20.00  | ng    | -0.03        |
| 86) Perylene-d12               | 15.15 | 264  | 348335   | 20.00  | ng    | -0.03        |
| System Monitoring Compounds    |       |      |          |        |       |              |
| 5) 2-Fluorophenol              | 5.20  | 112  | 546029   | 47.66  | ng    | -0.05        |
| 7) Phenol-d6                   | 6.27  | 99   | 509593   | 32.77  | ng    | -0.05        |
| 23) Nitrobenzene-d5            | 7.20  | 82   | 1181943  | 81.74  | ng    | -0.05        |
| 41) 2,4,6-Tribromophenol       | 10.45 | 330  | 489272   | 145.84 | ng    | -0.03        |
| 44) 2-Fluorobiphenyl           | 8.99  | 172  | 1809919  | 83.97  | ng    | -0.05        |
| 78) Terphenyl-d14              | 12.73 | 244  | 1644237  | 95.50  | ng    | -0.03        |
| Target Compounds               |       |      |          |        |       |              |
| 83) Bis(2-ethylhexyl)phthalate | 13.77 | 149  | 125552   | 6.89   | ng    | Qvalue<br>99 |

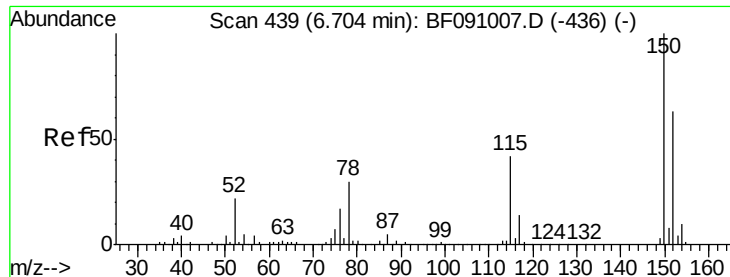
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
WQ-4W

Quant Time: Nov 18 04:06:09 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 08 12:59:29 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.61 min Scan# 431

Delta R.T. -0.05 min

Lab File: BF091228.D

Acq: 17 Nov 2016 22:32

Instrument :

BNA\_F

ClientSampleId :

WQ-4W

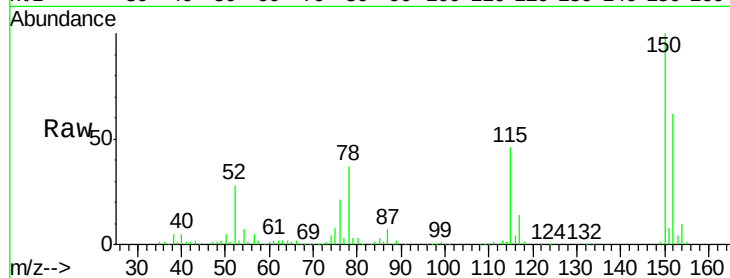
Tot Ion:152 Resp: 189223

Ion Ratio Lower Upper

152 100

150 161.4 126.8 190.2

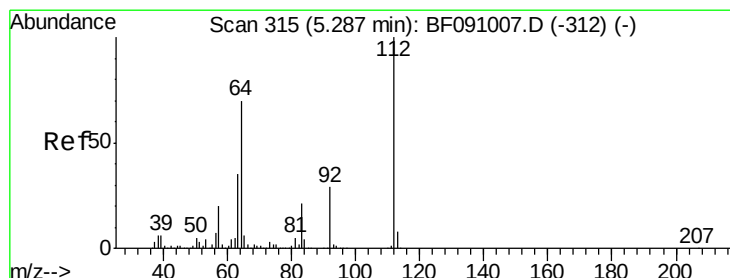
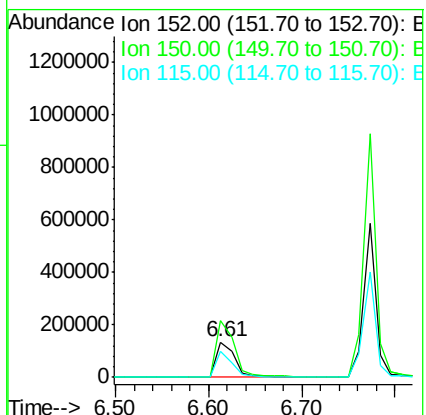
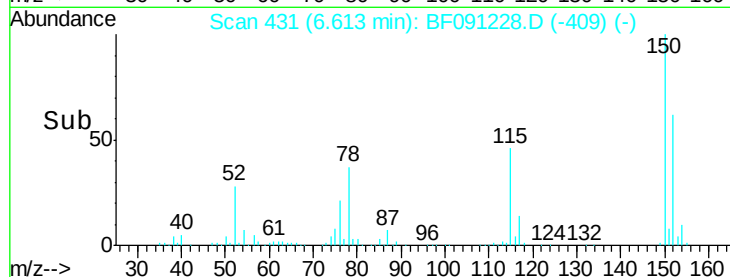
115 74.9 53.3 79.9



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: 47.66 ng

RT: 5.20 min Scan# 307

Delta R.T. -0.05 min

Lab File: BF091228.D

Acq: 17 Nov 2016 22:32

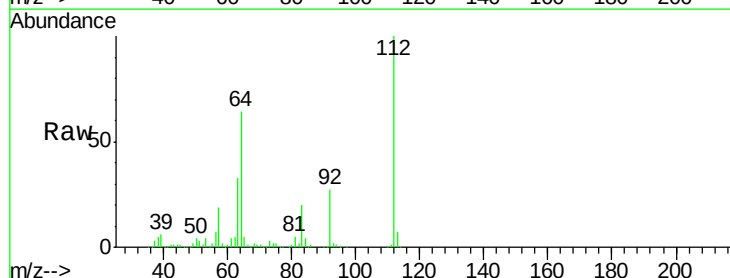
Tgt Ion:112 Resp: 546029

Ion Ratio Lower Upper

112 100

64 64.2 55.8 83.6

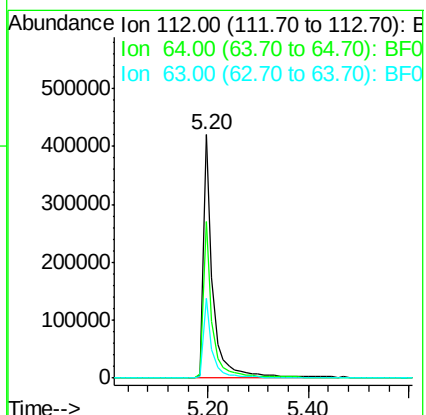
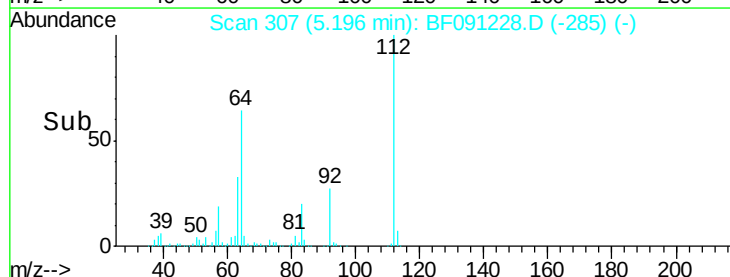
63 33.0 28.0 42.0

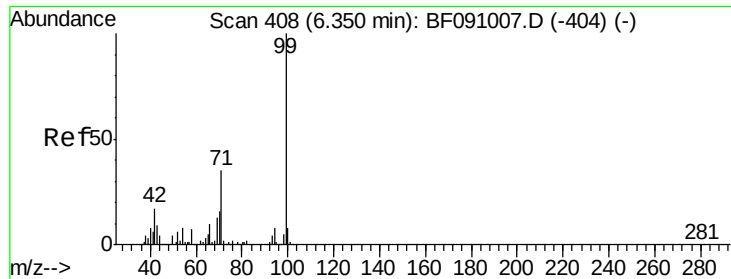


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 32.77 ng

RT: 6.27 min Scan# 401

Delta R.T. -0.05 min

Lab File: BF091228.D

Acq: 17 Nov 2016 22:32

Instrument :

BNA\_F

ClientSampleId :

WQ-4W

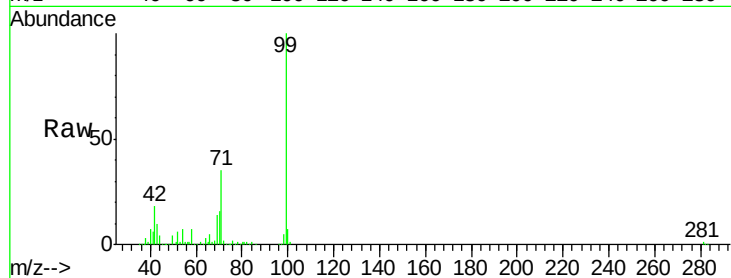
Tot Ion: 99 Resp: 509593

Ion Ratio Lower Upper

99 100

42 17.7 13.9 20.9

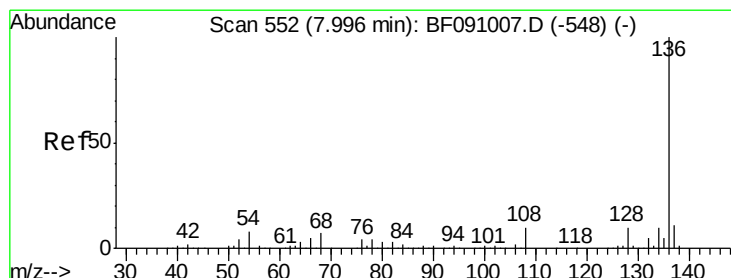
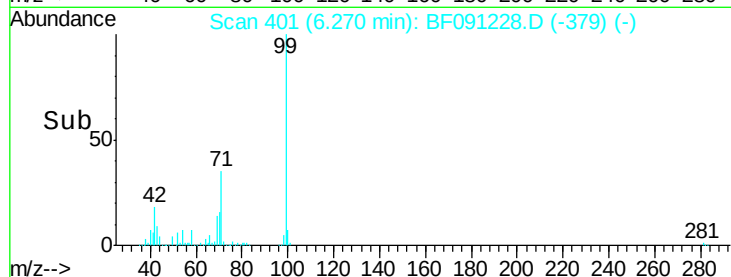
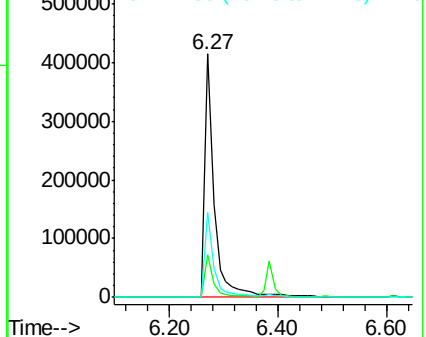
71 34.6 27.8 41.8



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: 7.90 min Scan# 544

Delta R.T. -0.05 min

Lab File: BF091228.D

Acq: 17 Nov 2016 22:32

Tgt Ion: 136 Resp: 788830

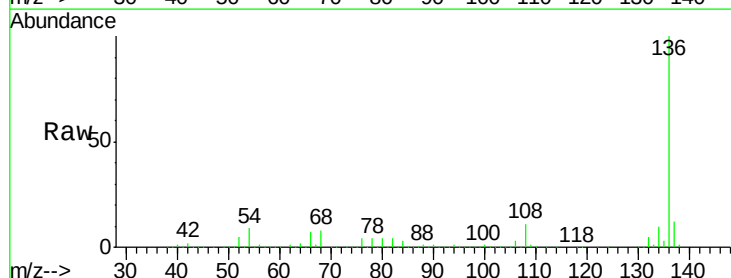
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 9.2 6.2 9.2

68 8.1 5.5 8.3

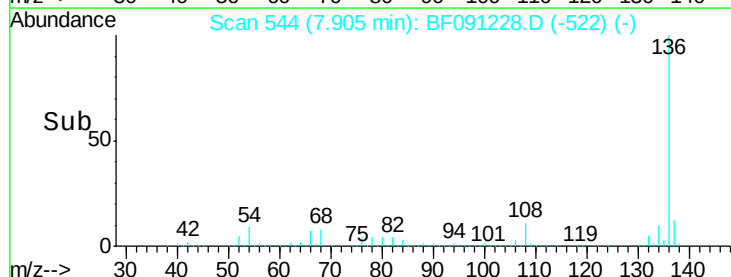
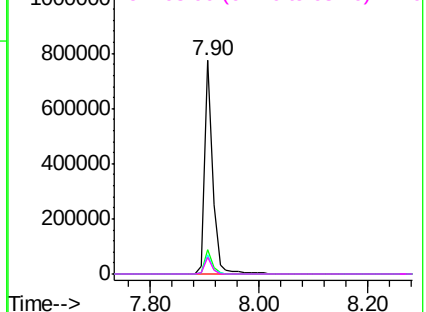


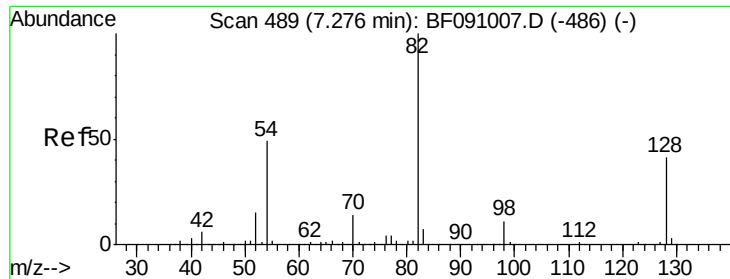
Abundance Ion 136.00 (135.70 to 136.70): E

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



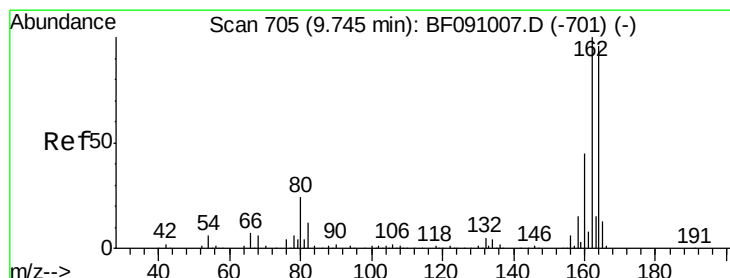
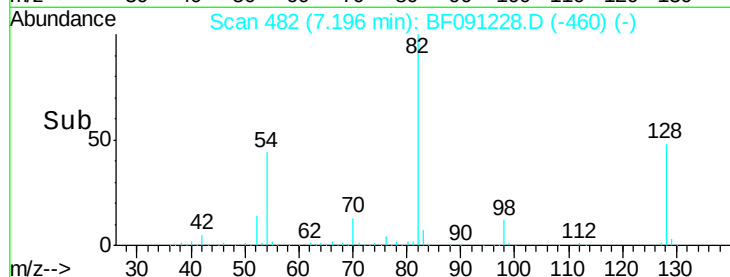
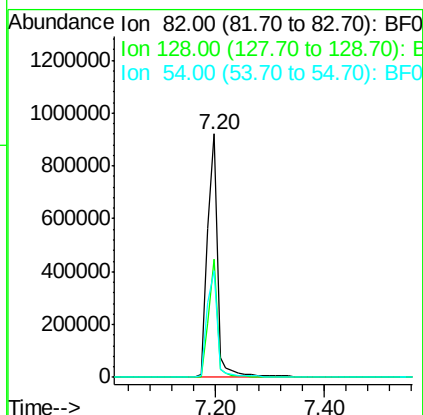
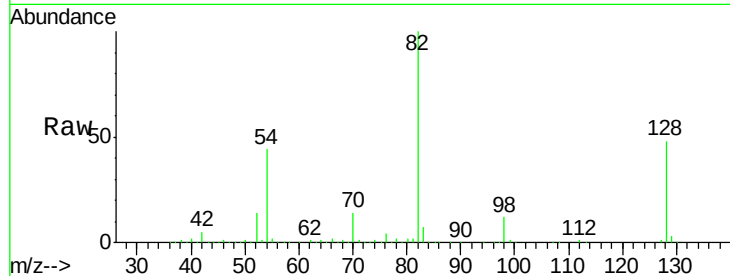


#23  
 Nitrobenzene-d5  
 Concen: 81.74 ng  
 RT: 7.20 min Scan# 482  
 Delta R.T. -0.05 min  
 Lab File: BF091228.D  
 Acq: 17 Nov 2016 22:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WQ-4W

Tot Ion: 82 Resp: 1181943  

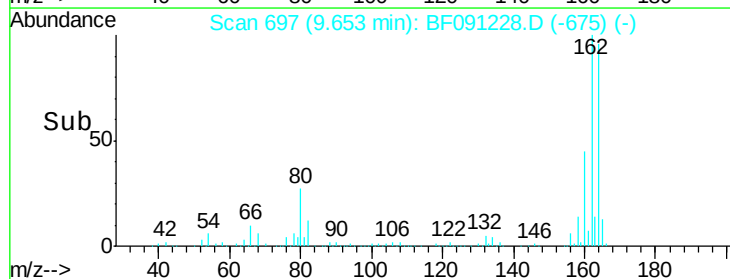
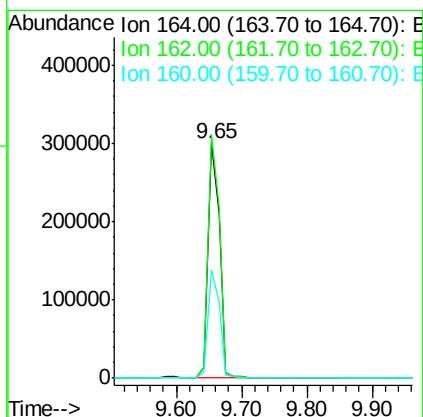
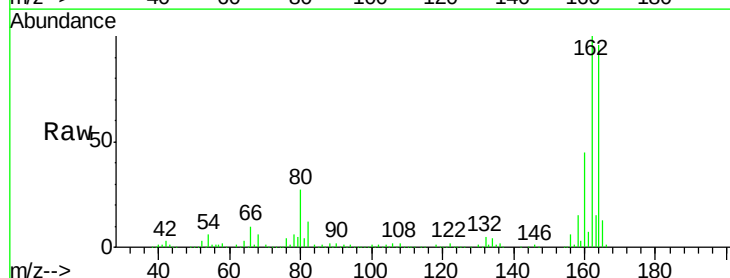
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 48.3  | 32.4  | 48.6  |
| 54  | 43.7  | 39.2  | 58.8  |

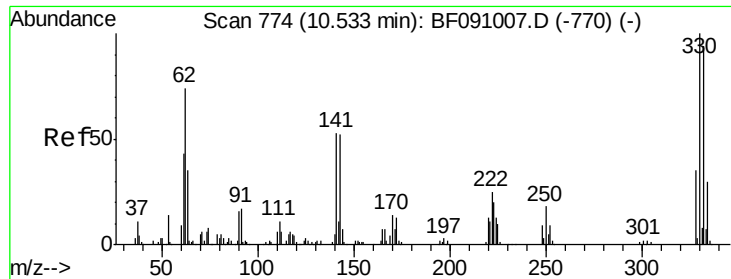


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.65 min Scan# 697  
 Delta R.T. -0.05 min  
 Lab File: BF091228.D  
 Acq: 17 Nov 2016 22:32

Tgt Ion:164 Resp: 371096  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 104.0 | 83.6  | 125.4 |
| 160 | 46.3  | 37.9  | 56.9  |

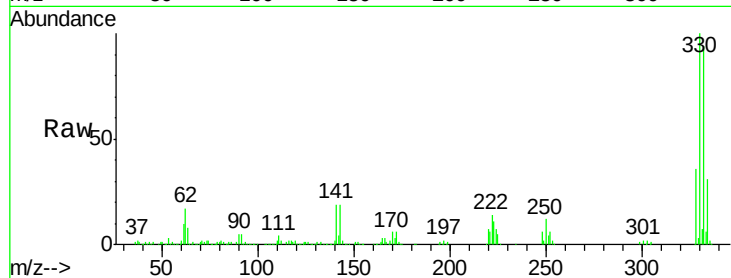




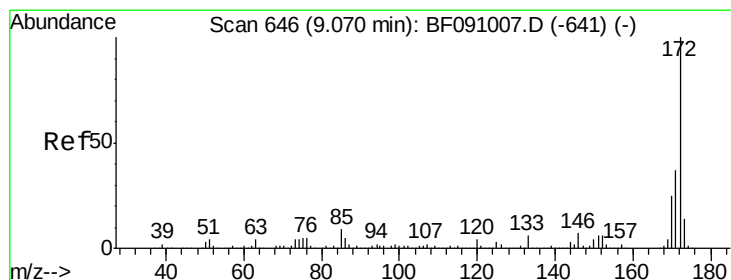
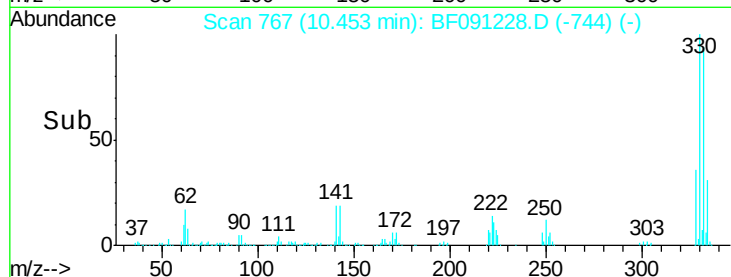
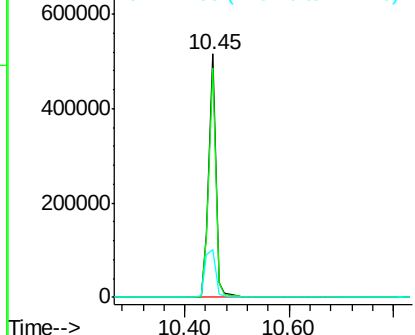
#41  
 2,4,6-Tribromophenol  
 Concen: 145.84 ng  
 RT: 10.45 min Scan# 767  
 Delta R.T. -0.03 min  
 Lab File: BF091228.D  
 Acq: 17 Nov 2016 22:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WQ-4W

Tot Ion:330 Resp: 489272  
 Ion Ratio Lower Upper  
 330 100  
 332 94.7 75.9 113.9  
 141 29.7 36.1 54.1#

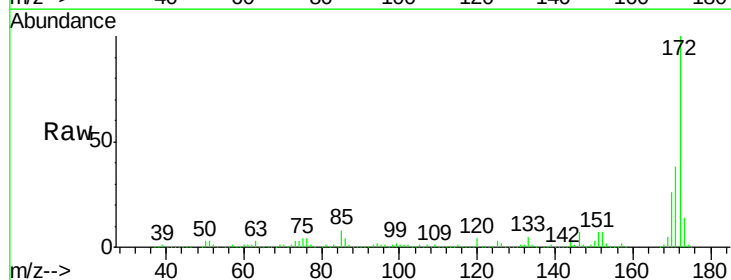


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

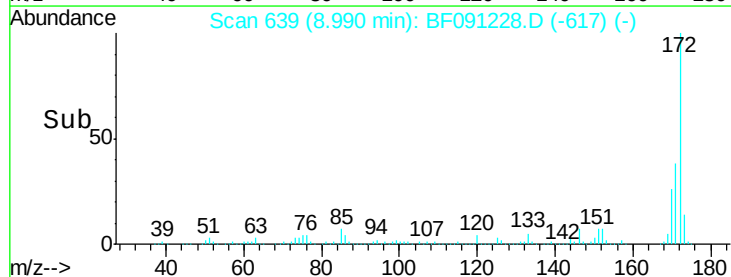
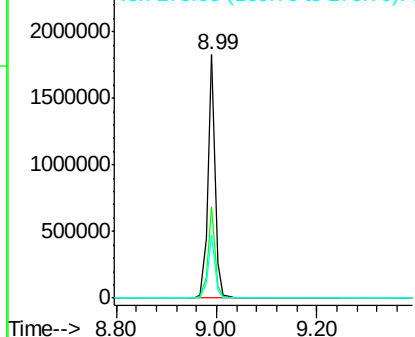


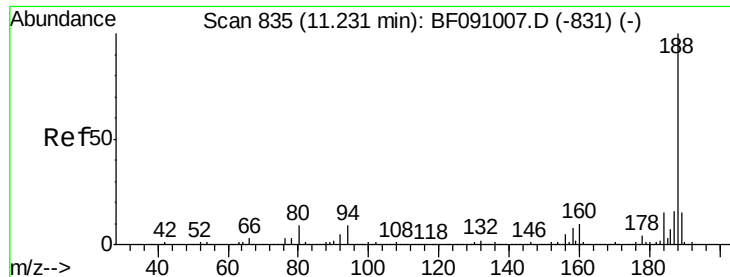
#44  
 2-Fluorobiphenyl  
 Concen: 83.97 ng  
 RT: 8.99 min Scan# 639  
 Delta R.T. -0.05 min  
 Lab File: BF091228.D  
 Acq: 17 Nov 2016 22:32

Tgt Ion:172 Resp: 1809919  
 Ion Ratio Lower Upper  
 172 100  
 171 37.5 29.8 44.6  
 170 26.1 20.3 30.5



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

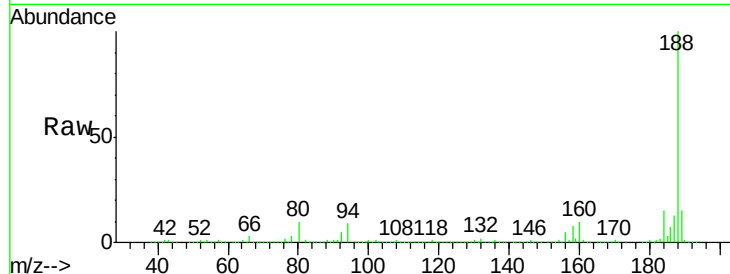




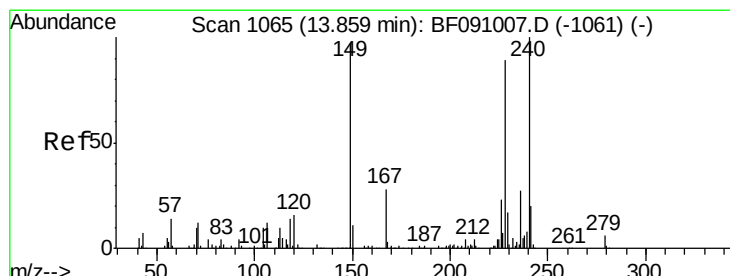
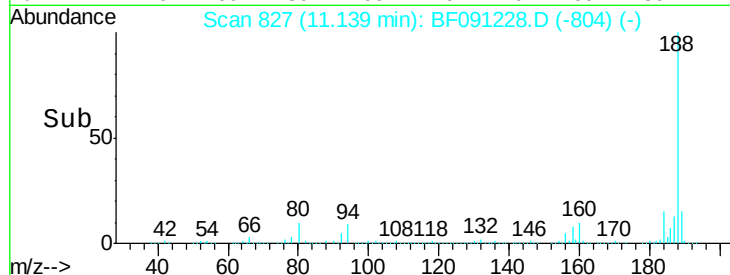
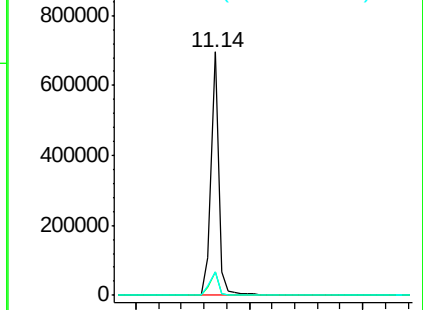
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.14 min Scan# 827  
Delta R.T. -0.03 min  
Lab File: BF091228.D  
Acq: 17 Nov 2016 22:32

Instrument :  
BNA\_F  
ClientSampleId :  
WQ-4W

Tot Ion:188 Resp: 628257  
Ion Ratio Lower Upper  
188 100  
94 9.4 7.0 10.4  
80 9.7 7.5 11.3

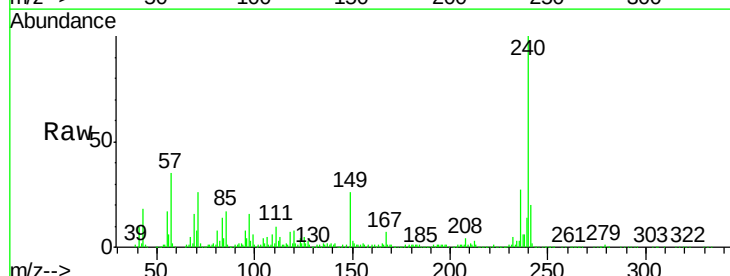


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

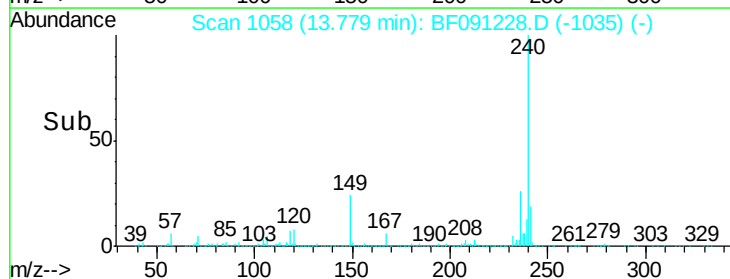
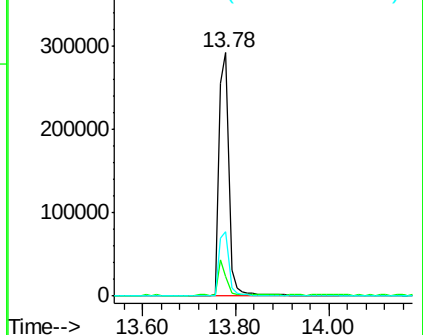


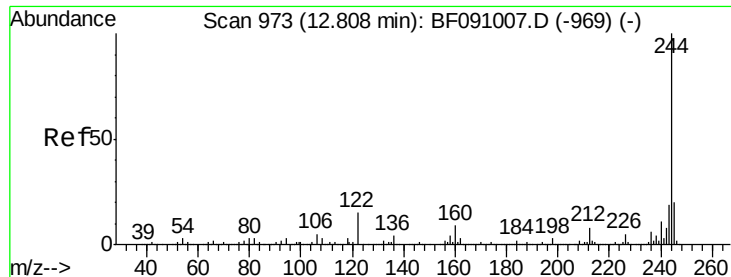
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.78 min Scan# 1058  
Delta R.T. -0.03 min  
Lab File: BF091228.D  
Acq: 17 Nov 2016 22:32

Tgt Ion:240 Resp: 429631  
Ion Ratio Lower Upper  
240 100  
120 7.9 12.9 19.3#  
236 26.5 21.9 32.9



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: 95.50 ng

RT: 12.73 min Scan# 966

Delta R.T. -0.03 min

Lab File: BF091228.D

Acq: 17 Nov 2016 22:32

Instrument :

BNA\_F

ClientSampleId :

WQ-4W

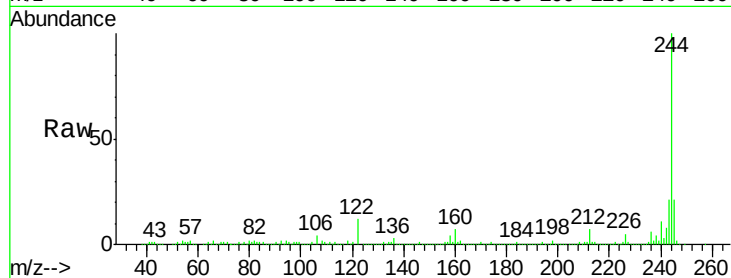
Tot Ion:244 Resp: 1644237

Ion Ratio Lower Upper

244 100

212 7.1 6.4 9.6

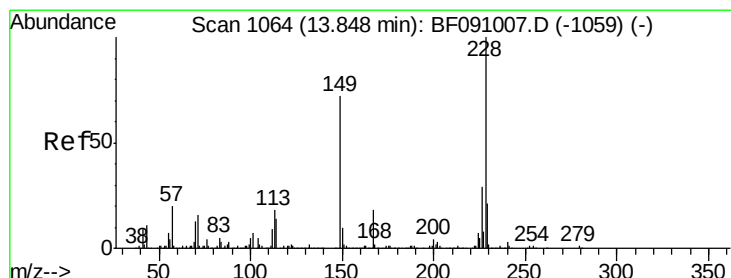
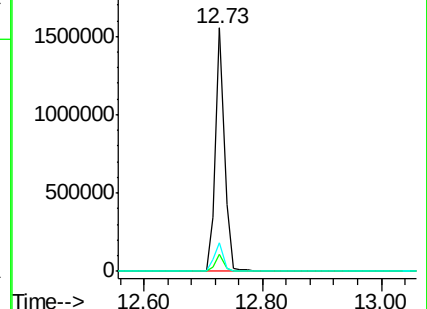
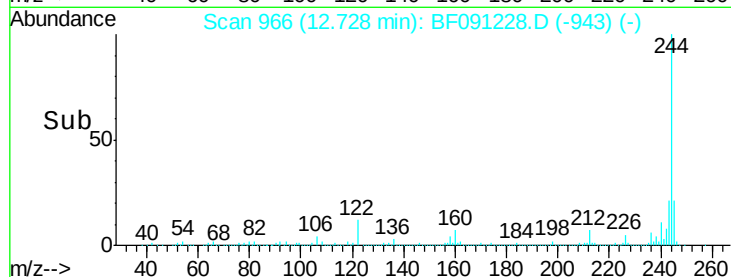
122 11.7 12.3 18.5#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 6.89 ng

RT: 13.77 min Scan# 1057

Delta R.T. -0.03 min

Lab File: BF091228.D

Acq: 17 Nov 2016 22:32

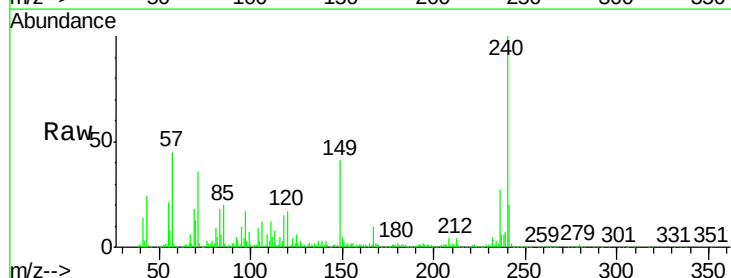
Tgt Ion:149 Resp: 125552

Ion Ratio Lower Upper

149 100

167 25.2 20.4 30.6

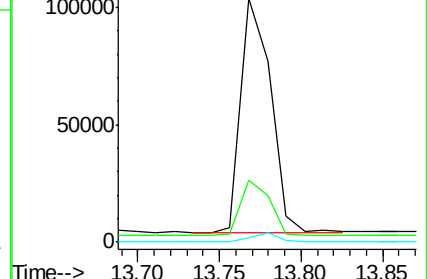
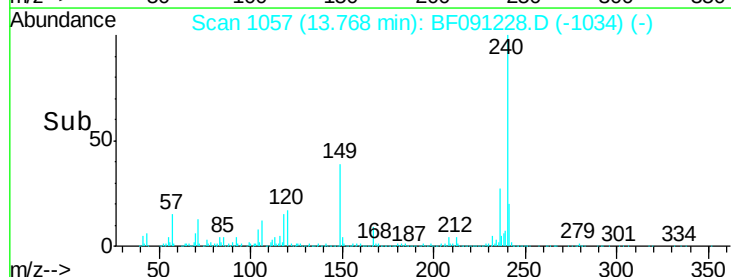
279 2.0 1.6 2.4



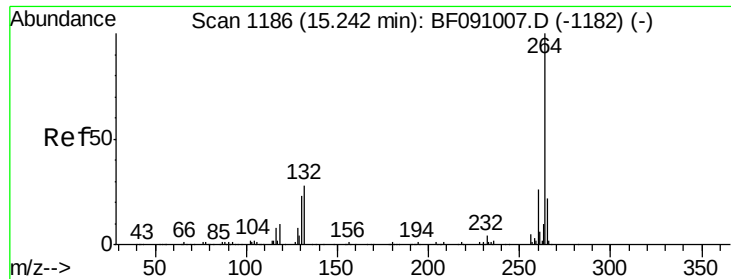
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



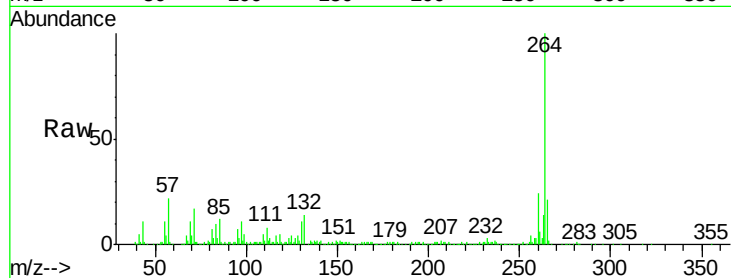




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.15 min Scan# 1178  
Delta R.T. -0.03 min  
Lab File: BF091228.D  
Acq: 17 Nov 2016 22:32

Instrument :  
BNA\_F  
ClientSampleId :  
WQ-4W

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 264     | 100  |       |       |       |
| 260     | 24.5 | 20.6  | 30.8  |       |
| 265     | 21.4 | 17.8  | 26.8  |       |



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

