

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101416\  
 Data File : BF090578.D  
 Acq On : 14 Oct 2016 19:18  
 Operator : UM/SJ  
 Sample : H5260-03  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TILCON-SCREENINGS

Quant Time: Oct 14 23:12:32 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 14 12:44:45 2016  
 Response via : Initial Calibration

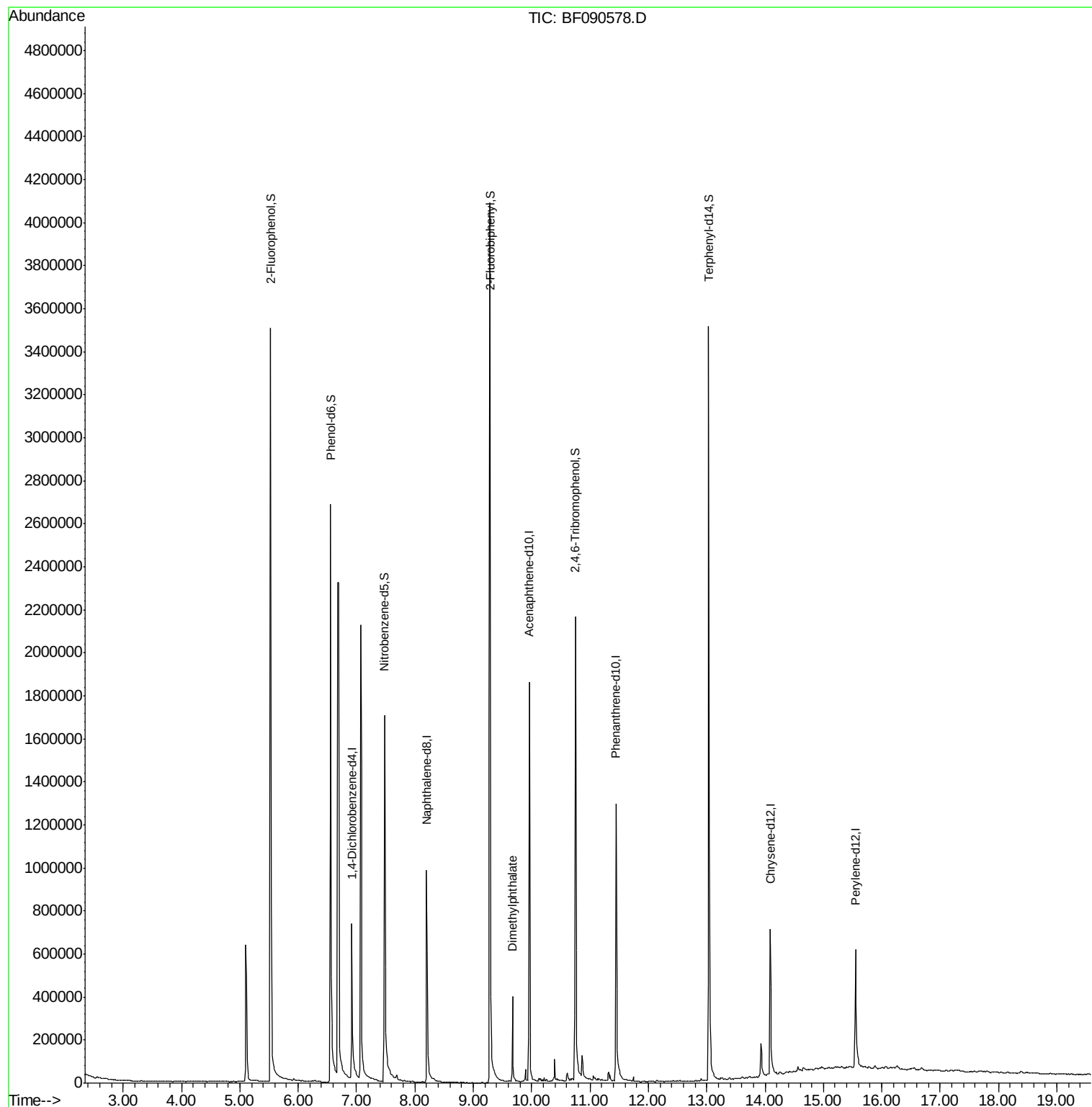
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.92  | 152  | 168873   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.20  | 136  | 704629   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.96  | 164  | 391834   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.45 | 188  | 607937   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.09 | 240  | 350510   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.55 | 264  | 311991   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 1028984  | 111.70 | ng    | 0.00     |
| 7) Phenol-d6                | 6.55  | 99   | 1419655  | 103.72 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.48  | 82   | 847498   | 66.81  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.75 | 330  | 296745   | 84.95  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.29  | 172  | 1619394  | 68.10  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.04 | 244  | 1326711  | 88.13  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.67  | 163  | 179506   | 7.06   | ng    | 98       |

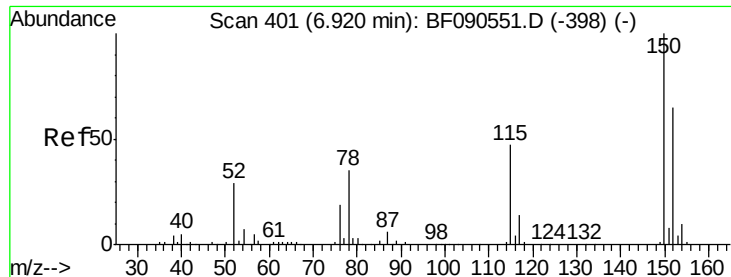
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 14 12:44:45 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.92 min Scan# 401

Delta R.T. 0.00 min

Lab File: BF090578.D

Acq: 14 Oct 2016 19:18

Instrument :

BNA\_F

ClientSampleId :

TILCON-SCREENINGS

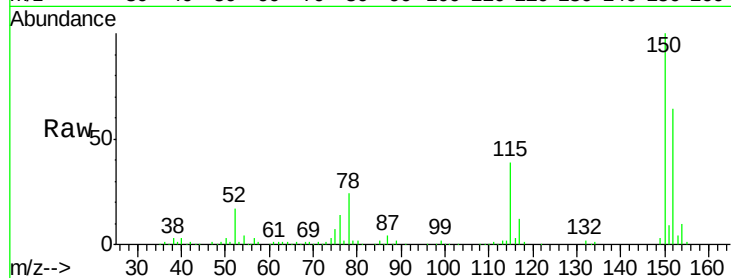
Tot Ion:152 Resp: 168873

Ion Ratio Lower Upper

152 100

150 155.3 127.2 190.8

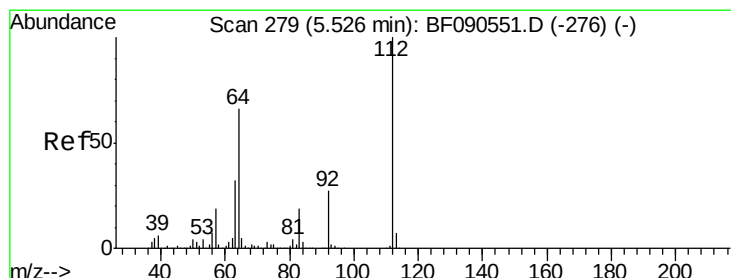
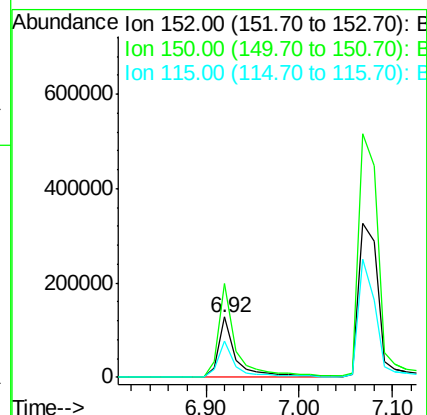
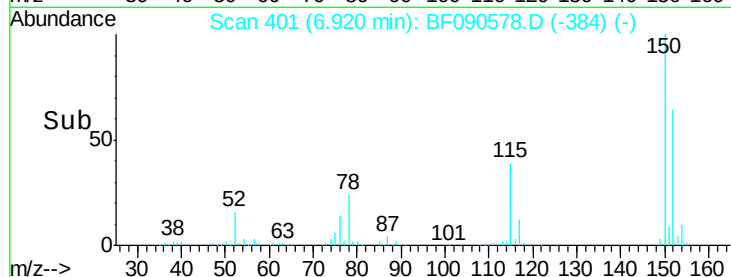
115 60.8 58.6 88.0



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: 111.70 ng

RT: 5.53 min Scan# 279

Delta R.T. 0.00 min

Lab File: BF090578.D

Acq: 14 Oct 2016 19:18

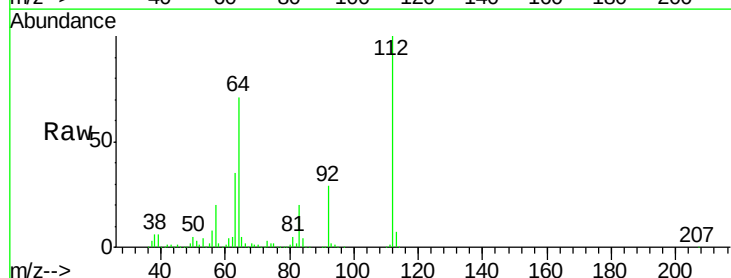
Tgt Ion:112 Resp: 1028984

Ion Ratio Lower Upper

112 100

64 71.4 52.6 78.8

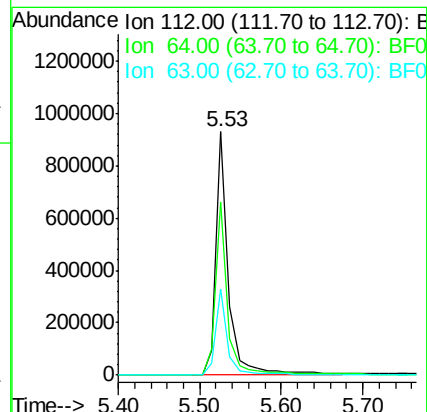
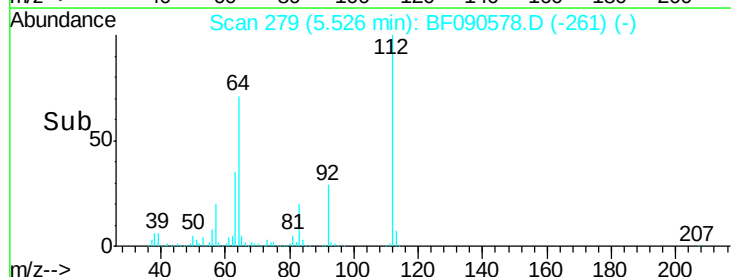
63 35.2 26.0 39.0

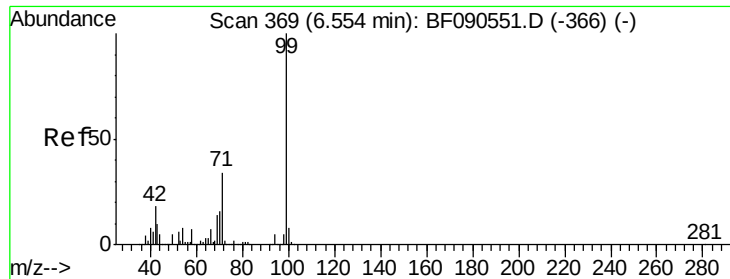


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 103.72 ng

RT: 6.55 min Scan# 369

Delta R.T. 0.00 min

Lab File: BF090578.D

Acq: 14 Oct 2016 19:18

Instrument :

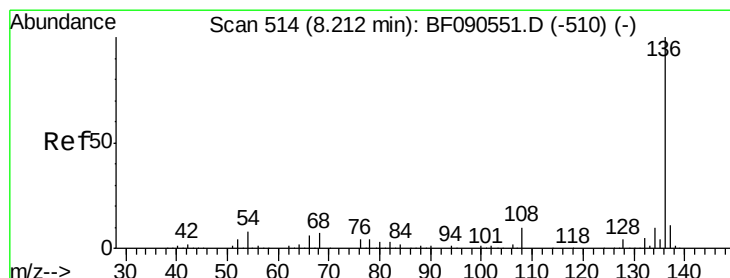
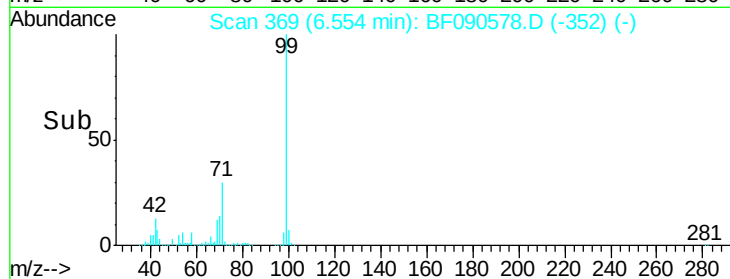
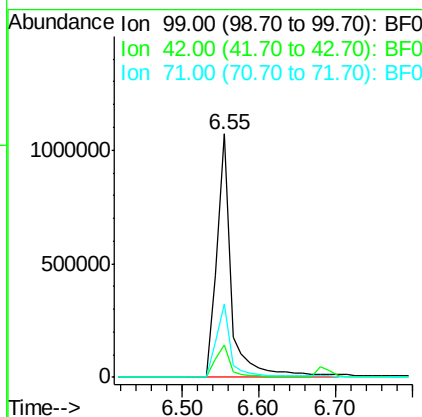
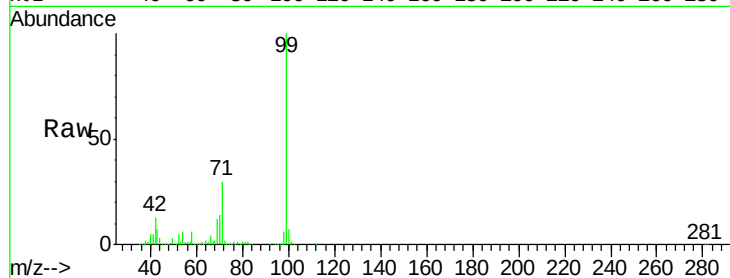
BNA\_F

ClientSampleId :

TILCON-SCREENINGS

Tot Ion: 99 Resp: 1419655

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 13.2  | 14.7  | 22.1# |
| 71  | 30.0  | 27.6  | 41.4  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 513

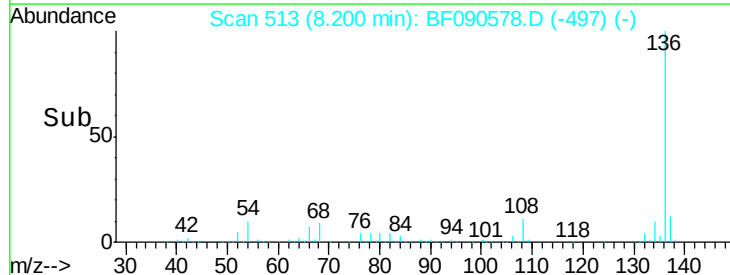
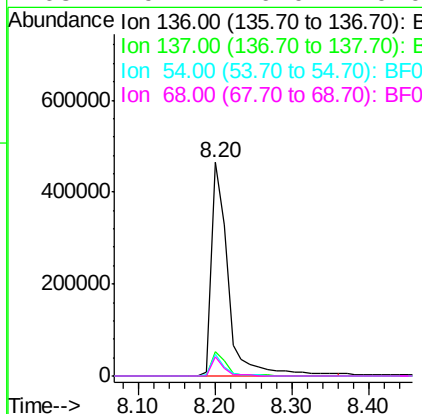
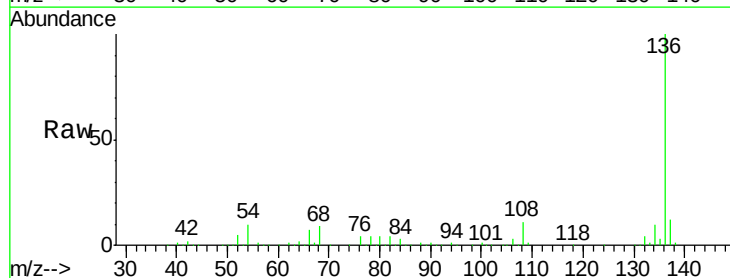
Delta R.T. -0.01 min

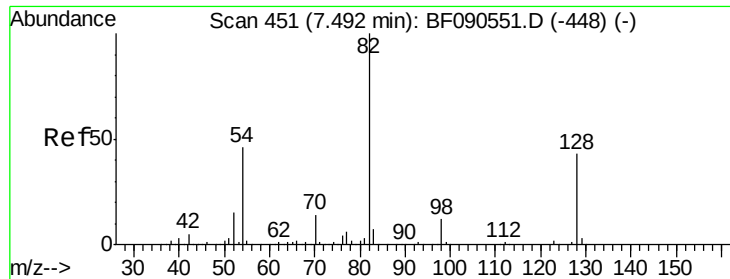
Lab File: BF090578.D

Acq: 14 Oct 2016 19:18

Tgt Ion: 136 Resp: 704629

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.6  | 8.8   | 13.2  |
| 54  | 10.4  | 6.8   | 10.2# |
| 68  | 9.1   | 6.0   | 9.0#  |

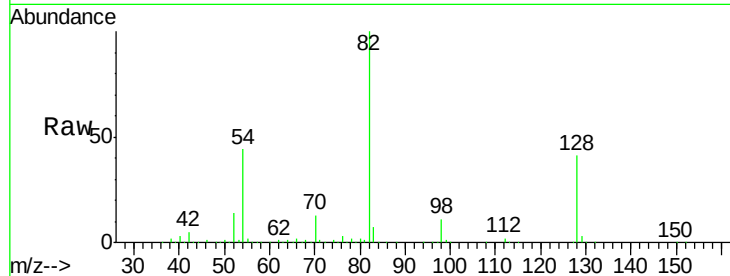




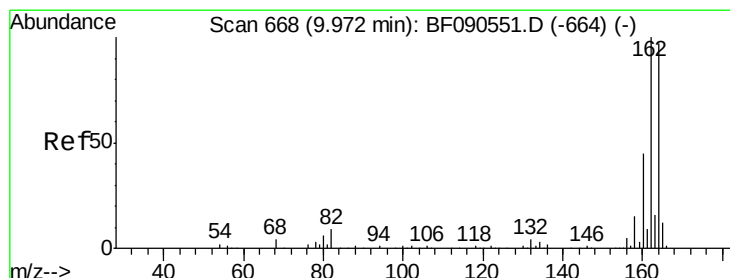
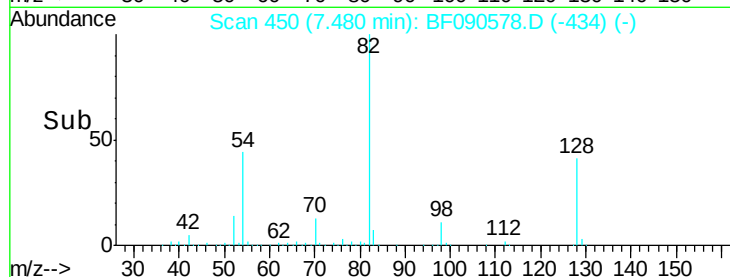
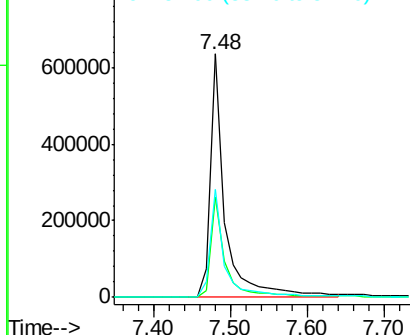
#23  
Nitrobenzene-d5  
Concen: 66.81 ng  
RT: 7.48 min Scan# 450  
Delta R.T. -0.01 min  
Lab File: BF090578.D  
Acq: 14 Oct 2016 19:18

Instrument :  
BNA\_F  
ClientSampleId :  
TILCON-SCREENINGS

| Tot Ion   | 82    | Resp  | 847498 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.4  | 34.3  | 51.5   |
| 54        | 44.5  | 37.0  | 55.6   |

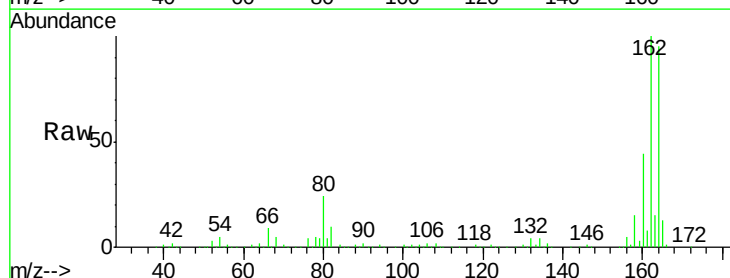


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

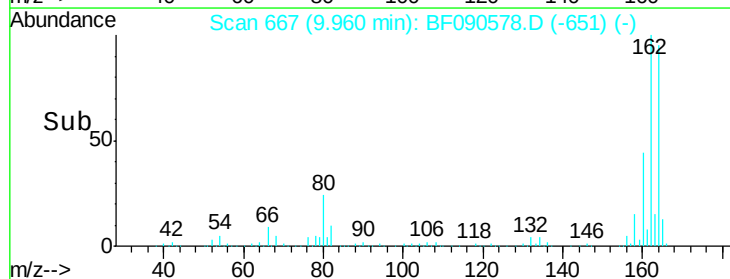
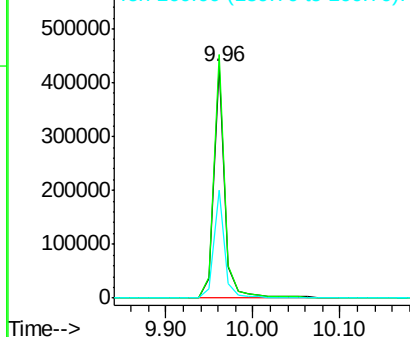


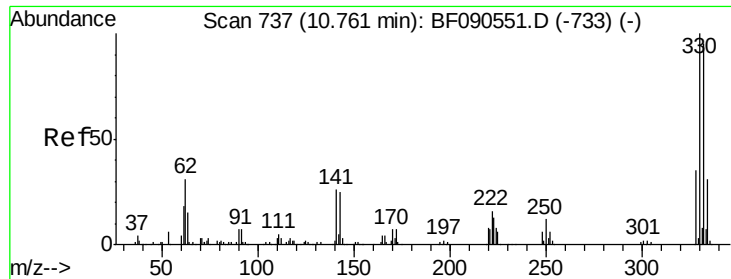
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.96 min Scan# 667  
Delta R.T. -0.01 min  
Lab File: BF090578.D  
Acq: 14 Oct 2016 19:18

| Tgt Ion   | 164   | Resp  | 391834 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 105.1 | 82.2  | 123.4  |
| 160       | 46.4  | 36.6  | 55.0   |



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

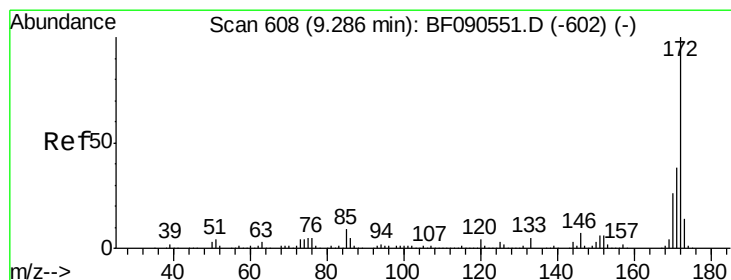
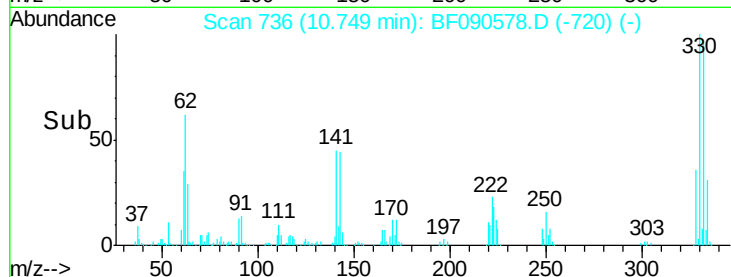
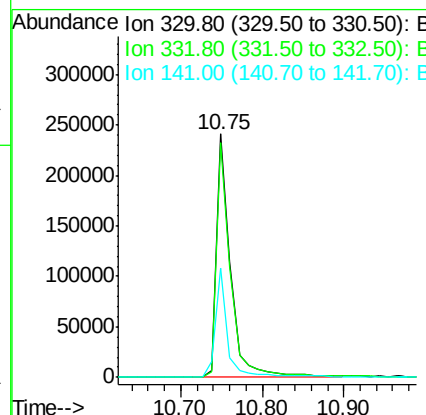
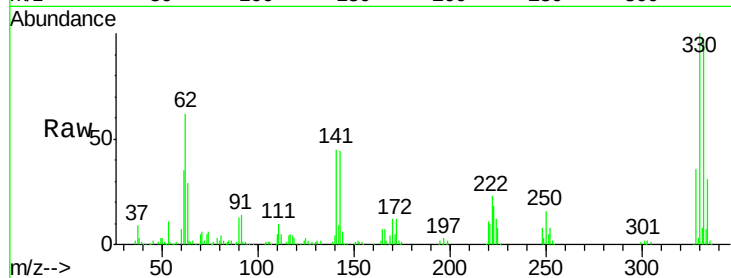




#41  
 2,4,6-Tribromophenol  
 Concen: 84.95 ng  
 RT: 10.75 min Scan# 736  
 Delta R.T. -0.01 min  
 Lab File: BF090578.D  
 Acq: 14 Oct 2016 19:18

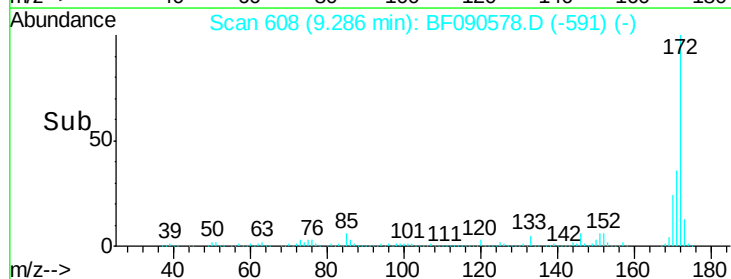
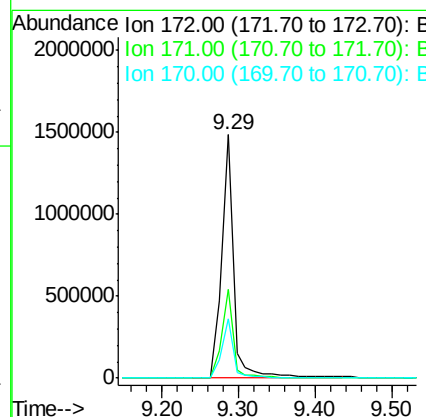
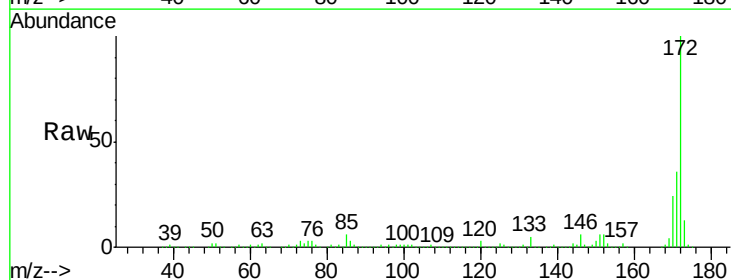
Instrument :  
 BNA\_F  
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 TILCON-SCREENINGS

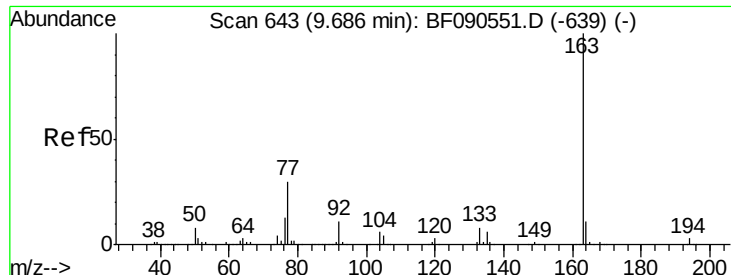
Tot Ion:330 Resp: 296745  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 76.2 114.2  
 141 39.2 31.4 47.2



#44  
 2-Fluorobiphenyl  
 Concen: 68.10 ng  
 RT: 9.29 min Scan# 608  
 Delta R.T. 0.00 min  
 Lab File: BF090578.D  
 Acq: 14 Oct 2016 19:18

Tgt Ion:172 Resp: 1619394  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 30.1 45.1  
 170 24.4 20.6 30.8





#49

Dimethylphthalate

Concen: 7.06 ng

RT: 9.67 min Scan# 642

Delta R.T. -0.01 min

Lab File: BF090578.D

Acq: 14 Oct 2016 19:18

Instrument :

BNA\_F

ClientSampleId :

TILCON-SCREENINGS

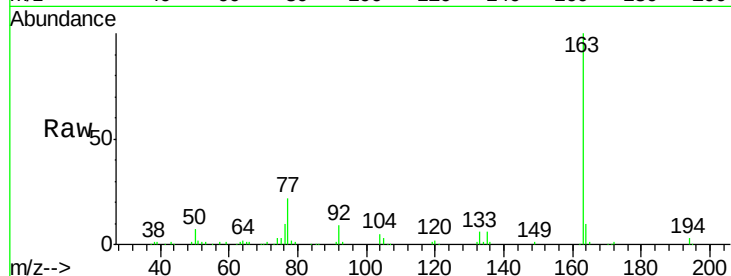
Tot Ion:163 Resp: 179506

Ion Ratio Lower Upper

163 100

194 3.0 2.3 3.5

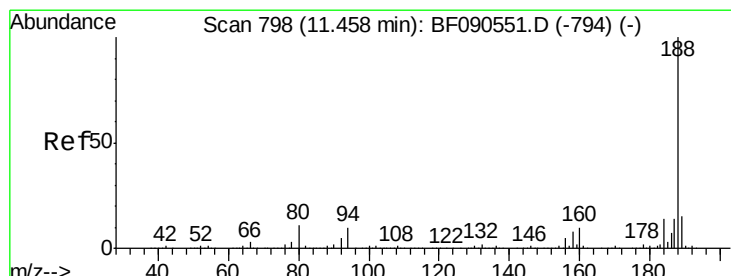
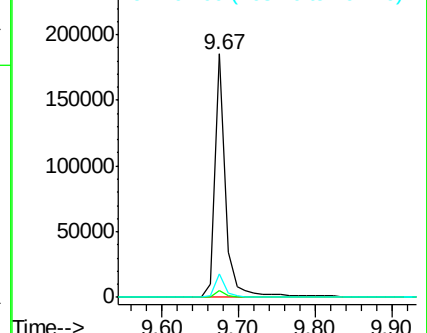
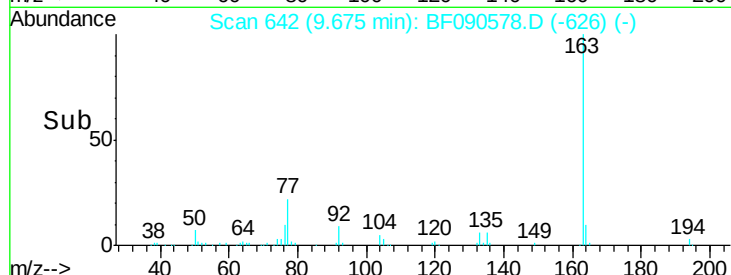
164 9.8 8.6 13.0



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: 11.45 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF090578.D

Acq: 14 Oct 2016 19:18

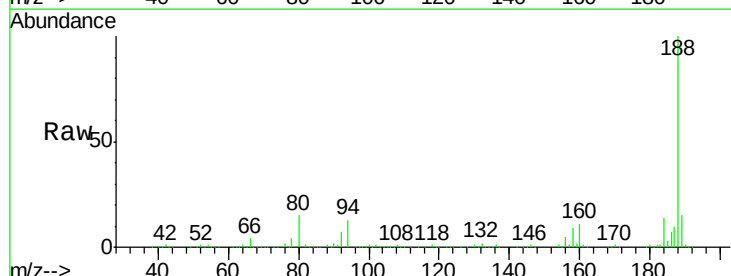
Tgt Ion:188 Resp: 607937

Ion Ratio Lower Upper

188 100

94 12.8 7.7 11.5#

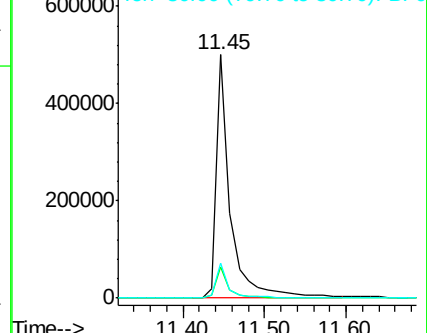
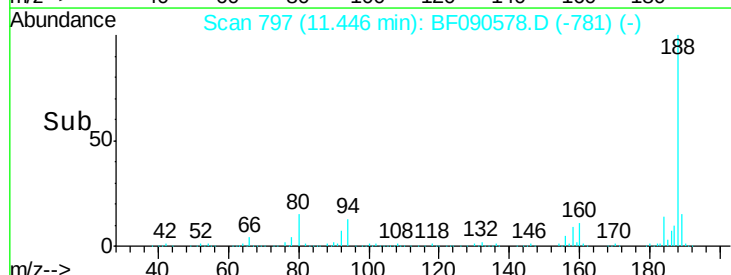
80 14.6 8.6 12.8#

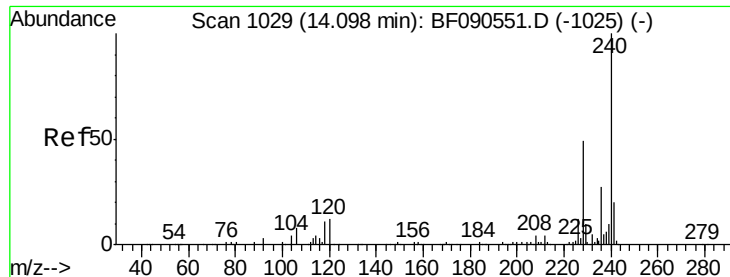


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.09 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF090578.D

Acq: 14 Oct 2016 19:18

Instrument :

BNA\_F

ClientSampleId :

TILCON-SCREENINGS

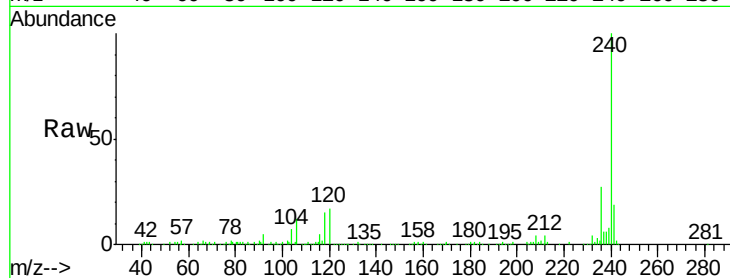
Tot Ion:240 Resp: 350510

Ion Ratio Lower Upper

240 100

120 16.7 9.8 14.8#

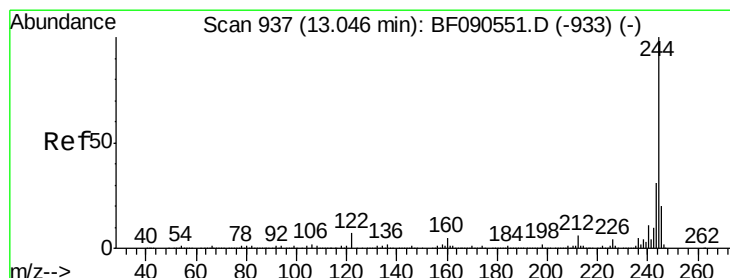
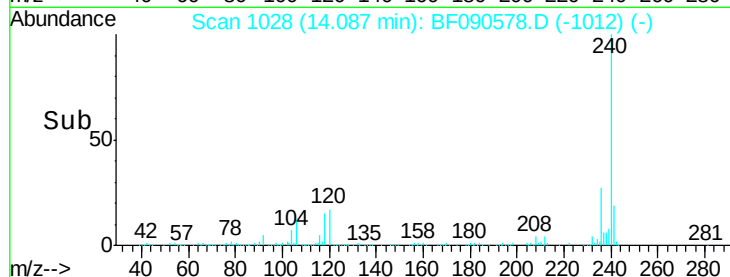
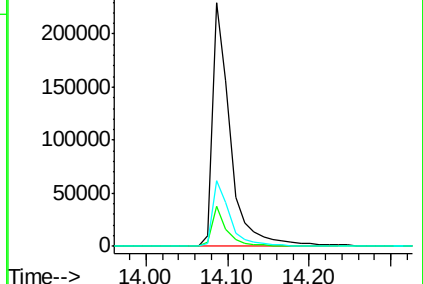
236 27.0 21.7 32.5



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: 88.13 ng

RT: 13.04 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF090578.D

Acq: 14 Oct 2016 19:18

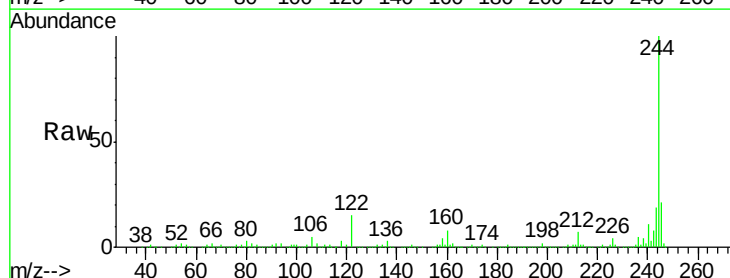
Tgt Ion:244 Resp: 1326711

Ion Ratio Lower Upper

244 100

212 7.2 5.0 7.4

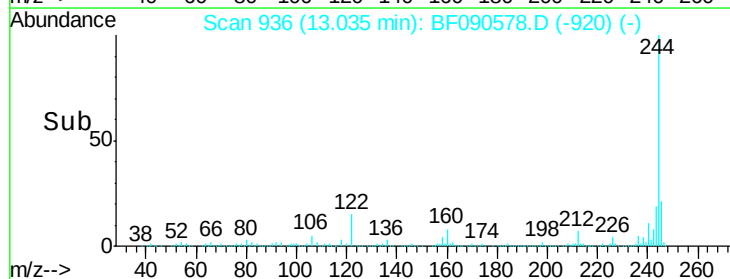
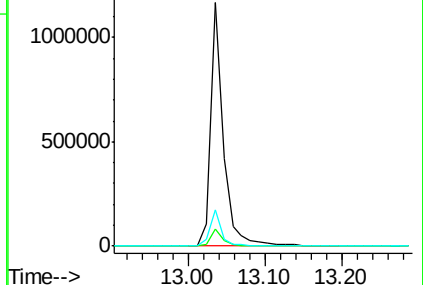
122 14.8 5.6 8.4#



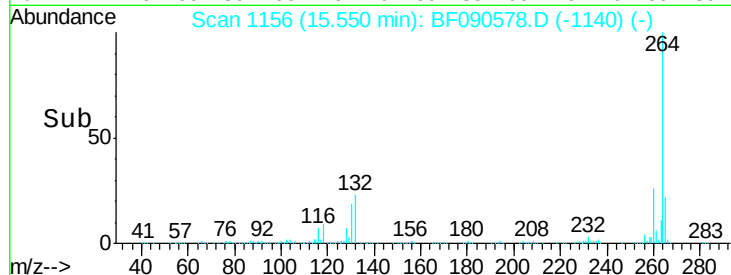
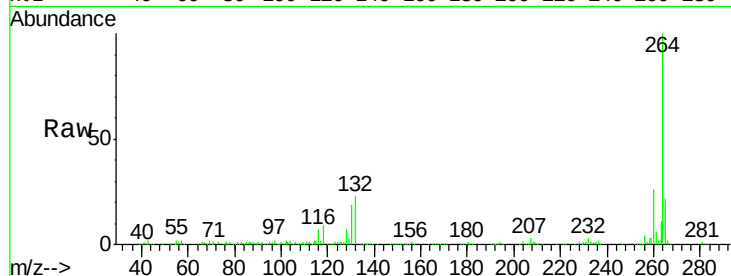
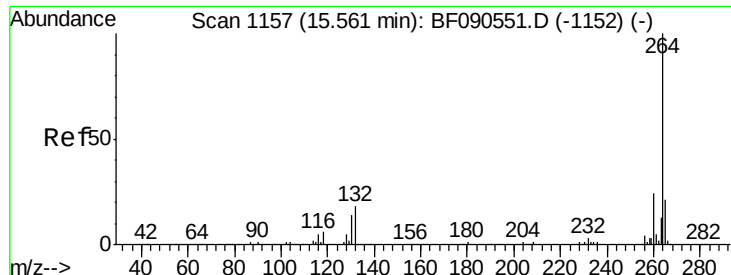
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.55 min Scan# 1156  
Delta R.T. -0.01 min  
Lab File: BF090578.D  
Acq: 14 Oct 2016 19:18

Instrument :  
BNA\_F  
ClientSampleId :  
TILCON-SCREENINGS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 311991 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 25.5  | 19.3  | 28.9   |
| 265      | 21.8  | 16.7  | 25.1   |

