

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072116\  
 Data File : BF089168.D  
 Acq On : 21 Jul 2016 9:16  
 Operator : UM/SJ  
 Sample : H4107-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TILCON-MH-SF-005

Quant Time: Jul 21 11:30:39 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 20 16:40:20 2016  
 Response via : Initial Calibration

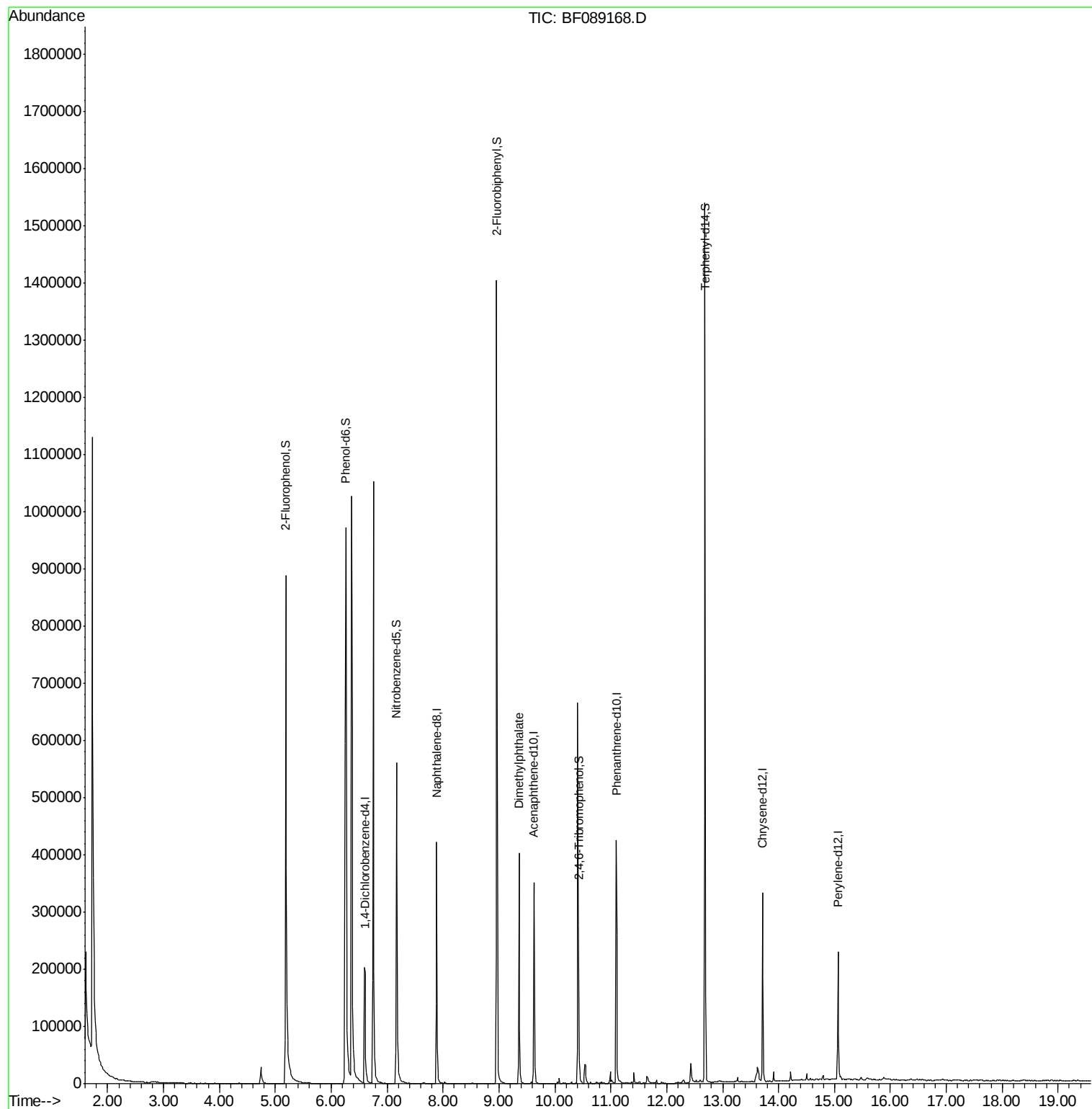
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.60  | 152  | 55044    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.88  | 136  | 237137   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.62  | 164  | 107265   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.10 | 188  | 206344   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.71 | 240  | 133262   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.06 | 264  | 94716    | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.19  | 112  | 361312   | 99.83  | ng    | 0.00     |
| 7) Phenol-d6                | 6.26  | 99   | 523976   | 112.27 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.16  | 82   | 301973   | 67.66  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.42 | 330  | 77369    | 80.11  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 8.96  | 172  | 554572   | 71.24  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.68 | 244  | 464615   | 75.62  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.36  | 163  | 177729   | 21.59  | ng    | 99       |

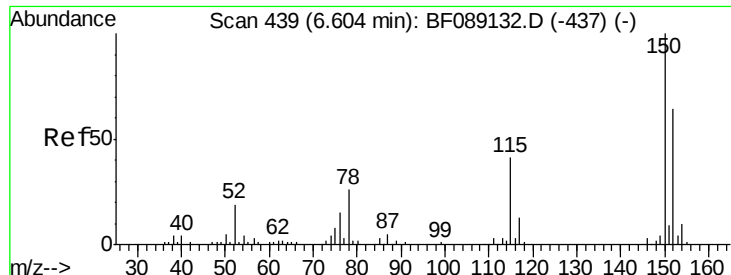
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_F  
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TILCON-MH-SF-005

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QLast Update : Wed Jul 20 16:40:20 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.60 min Scan# 439

Delta R.T. 0.00 min

Lab File: BF089168.D

Acq: 21 Jul 2016 9:16

Instrument :

BNA\_F

ClientSampleId :

TILCON-MH-SF-005

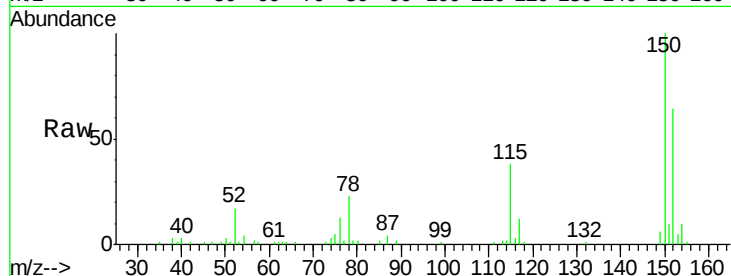
Tot Ion:152 Resp: 55044

Ion Ratio Lower Upper

152 100

150 156.1 125.1 187.7

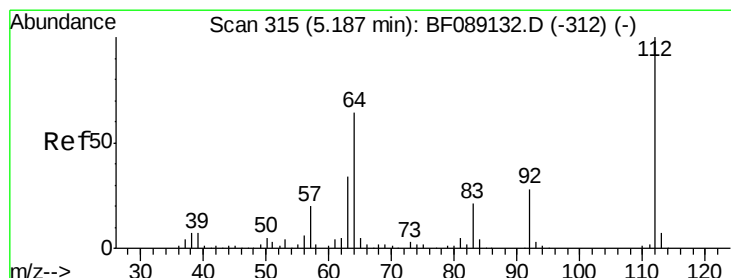
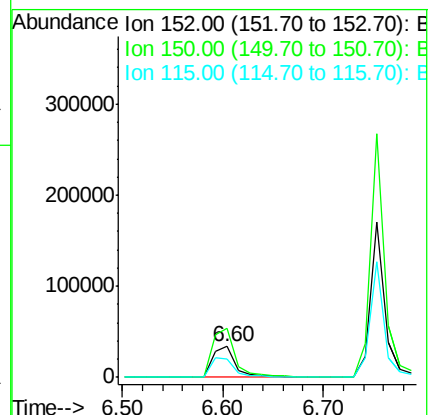
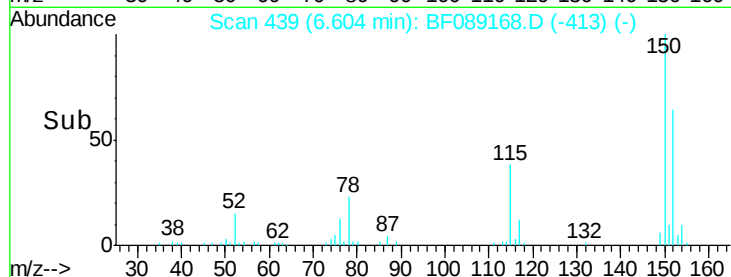
115 58.7 51.1 76.7



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: 99.83 ng

RT: 5.19 min Scan# 315

Delta R.T. 0.00 min

Lab File: BF089168.D

Acq: 21 Jul 2016 9:16

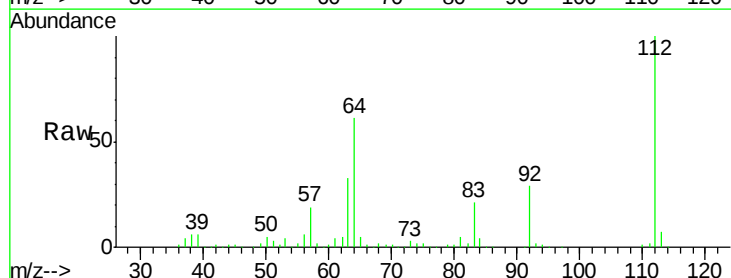
Tgt Ion:112 Resp: 361312

Ion Ratio Lower Upper

112 100

64 61.3 51.0 76.4

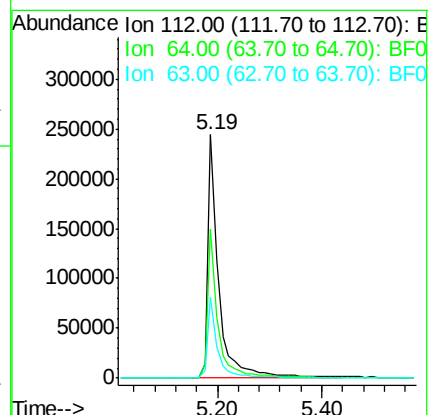
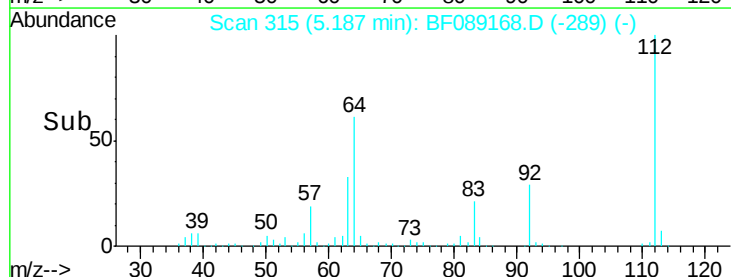
63 33.1 27.3 40.9

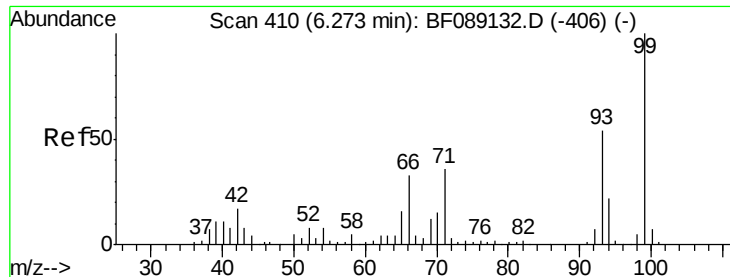


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 112.27 ng

RT: 6.26 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF089168.D

Acq: 21 Jul 2016 9:16

Instrument :

BNA\_F

ClientSampleId :

TILCON-MH-SF-005

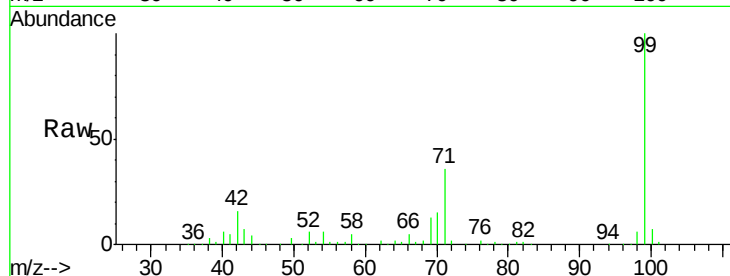
Tot Ion: 99 Resp: 523976

Ion Ratio Lower Upper

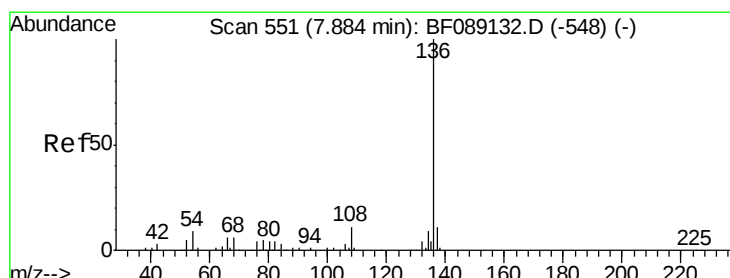
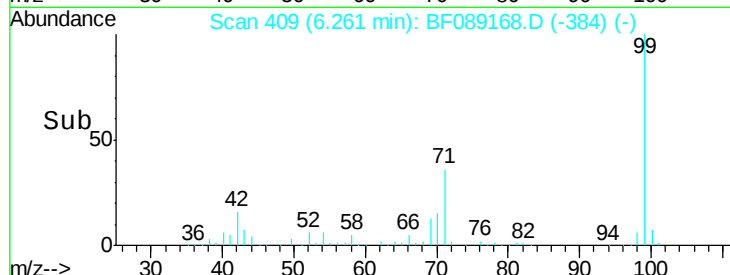
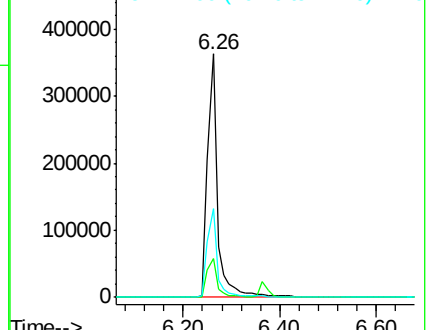
99 100

42 16.1 13.5 20.3

71 36.4 28.9 43.3



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: 7.88 min Scan# 551

Delta R.T. 0.00 min

Lab File: BF089168.D

Acq: 21 Jul 2016 9:16

Tgt Ion: 136 Resp: 237137

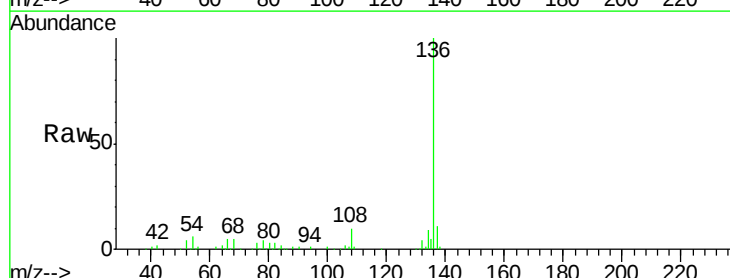
Ion Ratio Lower Upper

136 100

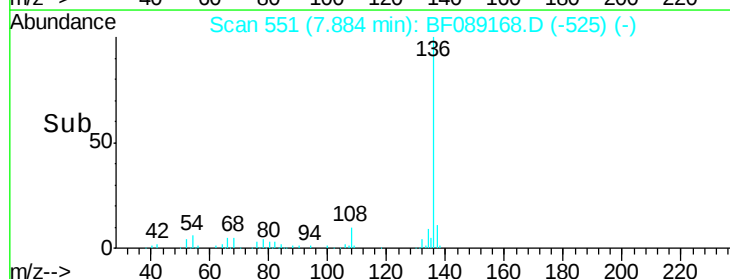
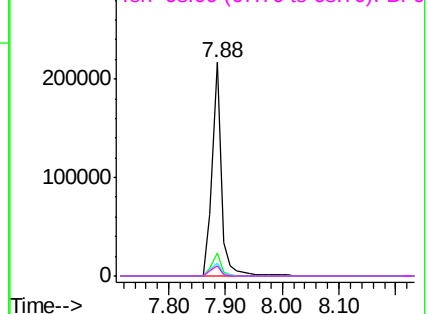
137 10.7 8.8 13.2

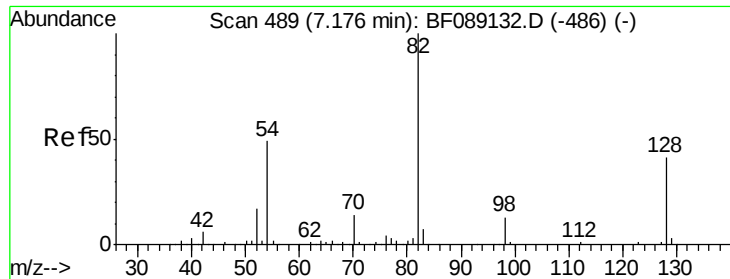
54 6.2 7.0 10.4#

68 4.7 5.0 7.6#



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

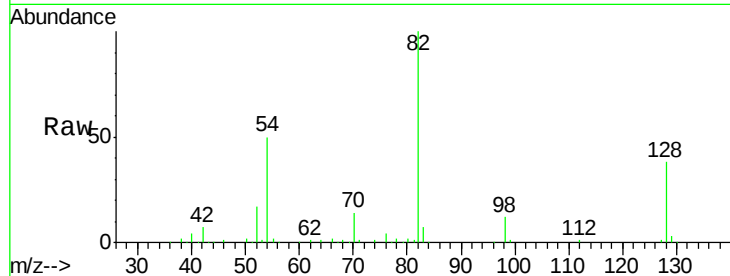




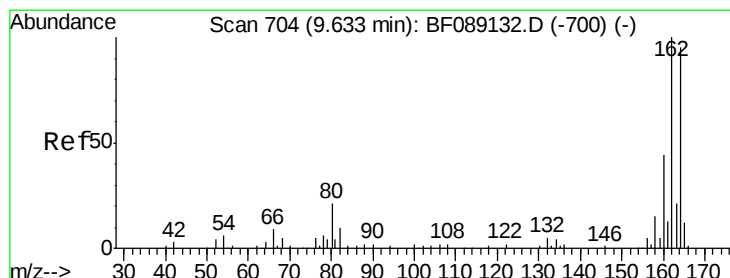
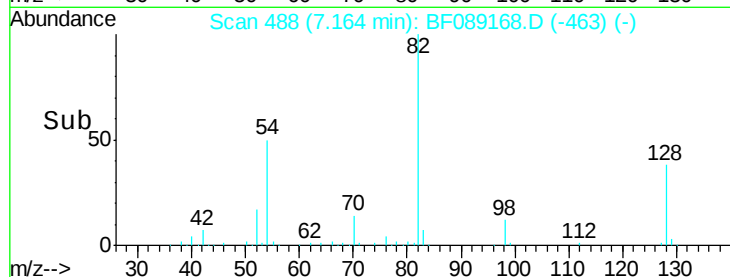
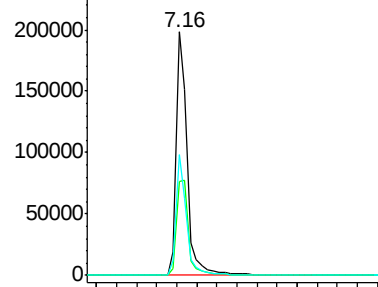
#23  
 Nitrobenzene-d5  
 Concen: 67.66 ng  
 RT: 7.16 min Scan# 488  
 Delta R.T. -0.01 min  
 Lab File: BF089168.D  
 Acq: 21 Jul 2016 9:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TILCON-MH-SF-005

Tot Ion: 82 Resp: 301973  
 Ion Ratio Lower Upper  
 82 100  
 128 38.4 33.0 49.6  
 54 49.8 39.0 58.4

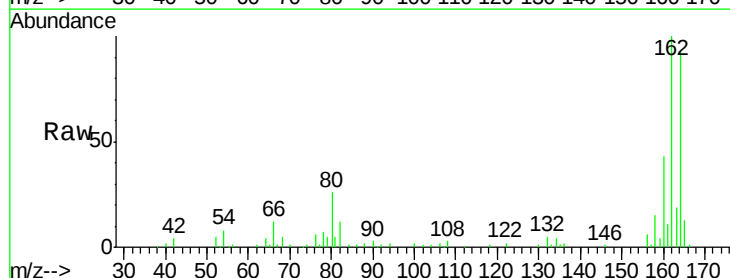


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

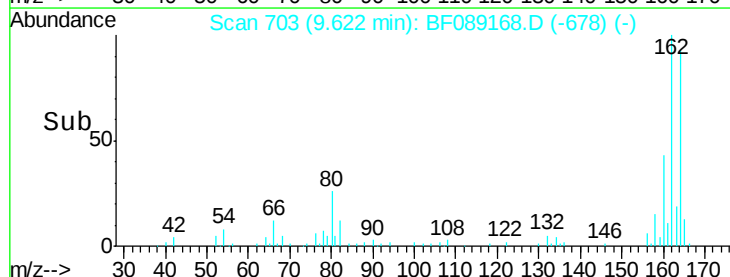
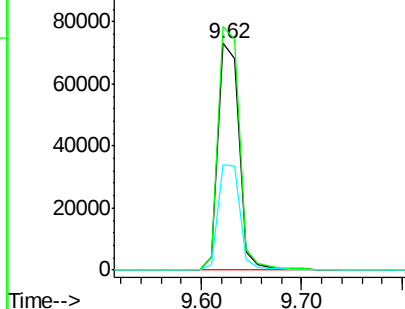


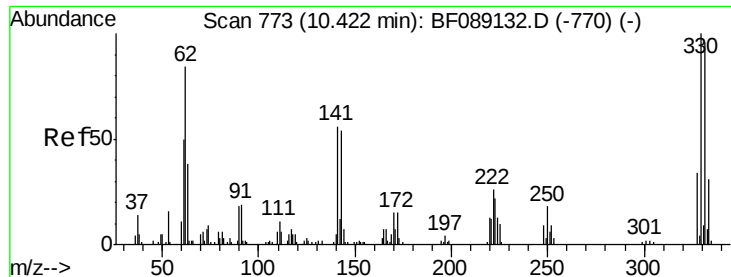
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.62 min Scan# 703  
 Delta R.T. -0.01 min  
 Lab File: BF089168.D  
 Acq: 21 Jul 2016 9:16

Tgt Ion: 164 Resp: 107265  
 Ion Ratio Lower Upper  
 164 100  
 162 107.5 84.1 126.1  
 160 46.5 37.1 55.7



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

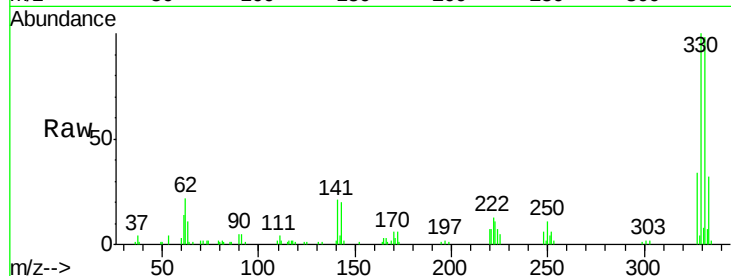




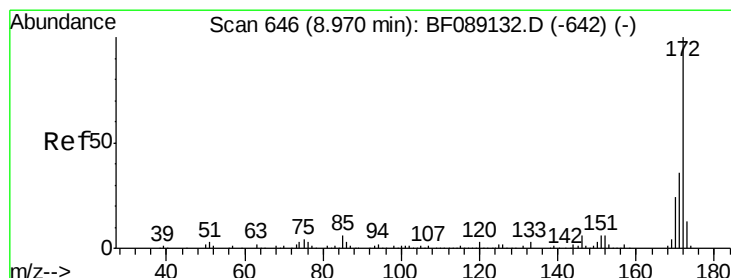
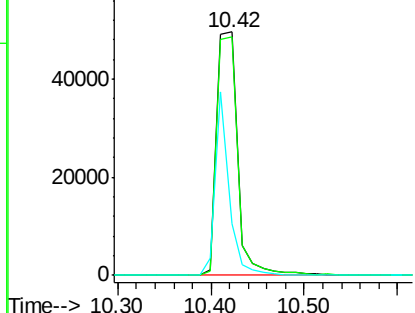
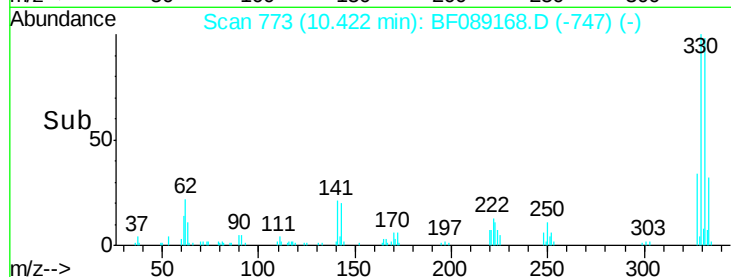
#41  
 2,4,6-Tribromophenol  
 Concen: 80.11 ng  
 RT: 10.42 min Scan# 773  
 Delta R.T. 0.00 min  
 Lab File: BF089168.D  
 Acq: 21 Jul 2016 9:16

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TILCON-MH-SF-005

Tot Ion:330 Resp: 77369  
 Ion Ratio Lower Upper  
 330 100  
 332 98.0 77.2 115.8  
 141 49.3 42.2 63.2

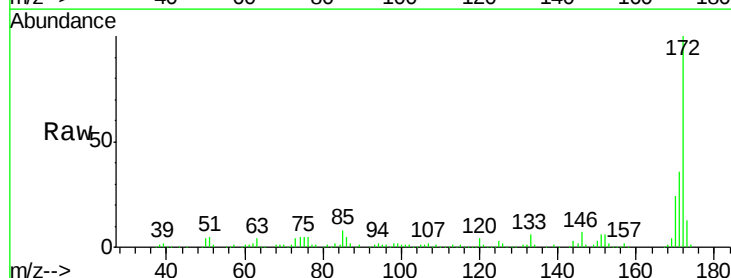


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

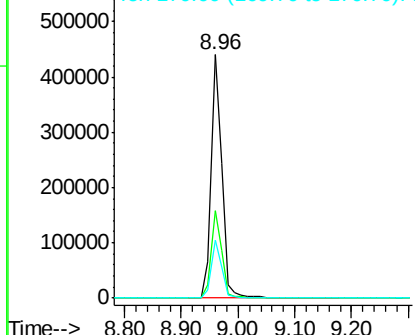
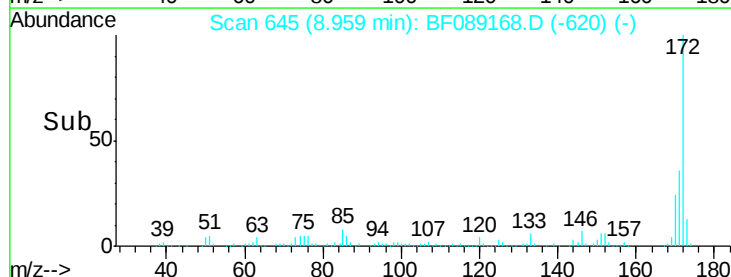


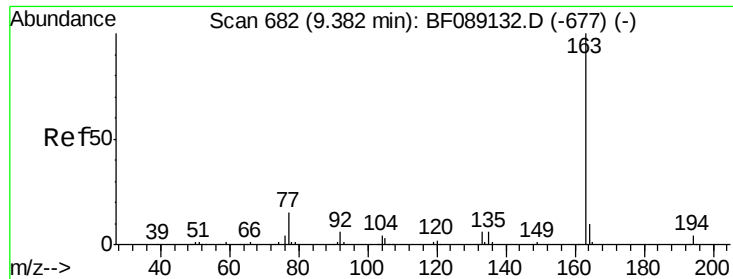
#44  
 2-Fluorobiphenyl  
 Concen: 71.24 ng  
 RT: 8.96 min Scan# 645  
 Delta R.T. -0.01 min  
 Lab File: BF089168.D  
 Acq: 21 Jul 2016 9:16

Tgt Ion:172 Resp: 554572  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.2 43.8  
 170 23.9 19.1 28.7



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

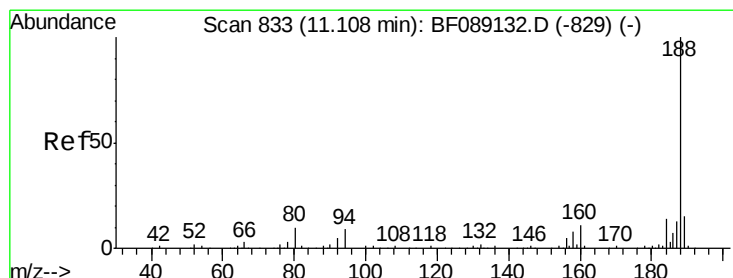
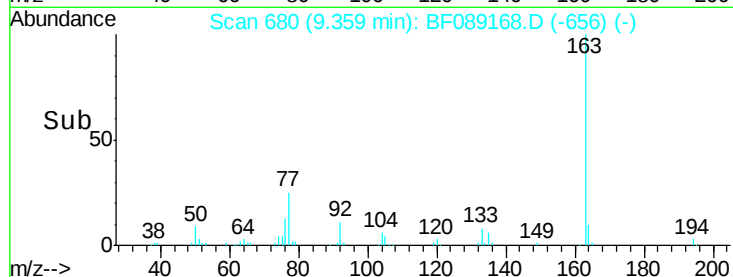
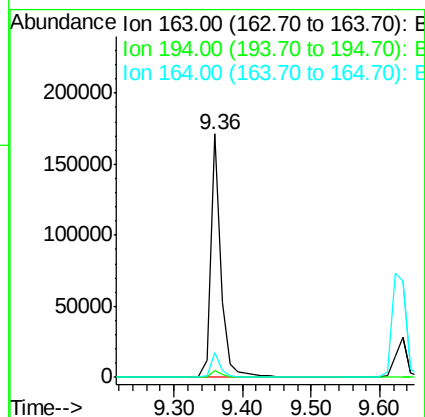
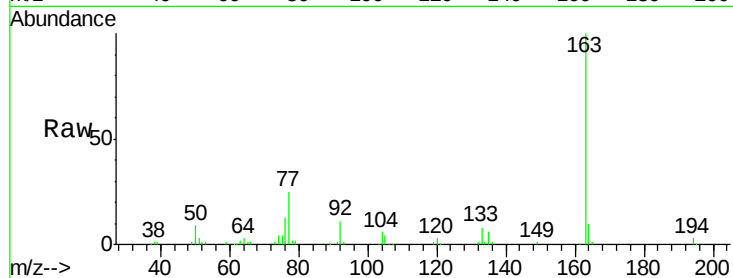




#49  
Dimethylphthalate  
Concen: 21.59 ng  
RT: 9.36 min Scan# 680  
Delta R.T. -0.02 min  
Lab File: BF089168.D  
Acq: 21 Jul 2016 9:16

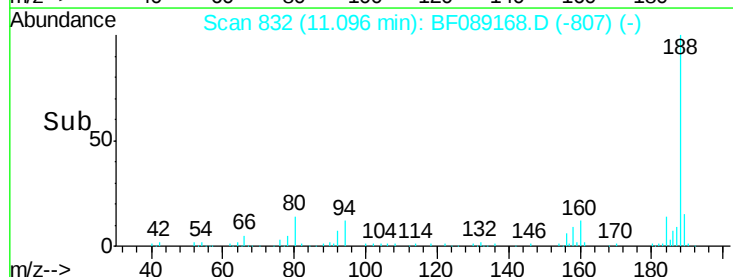
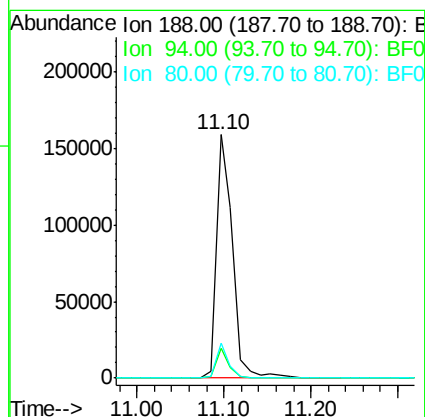
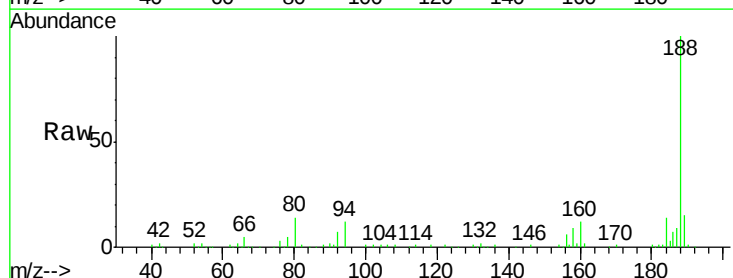
Instrument :  
BNA\_F  
ClientSampleId :  
TILCON-MH-SF-005

Tot Ion:163 Resp: 177729  
Ion Ratio Lower Upper  
163 100  
194 3.1 2.9 4.3  
164 10.0 7.6 11.4



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.10 min Scan# 832  
Delta R.T. -0.01 min  
Lab File: BF089168.D  
Acq: 21 Jul 2016 9:16

Tgt Ion:188 Resp: 206344  
Ion Ratio Lower Upper  
188 100  
94 12.1 7.0 10.4#  
80 14.3 7.7 11.5#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.71 min Scan# 1061

Delta R.T. -0.01 min

Lab File: BF089168.D

Acq: 21 Jul 2016 9:16

Instrument :

BNA\_F

ClientSampleId :

TILCON-MH-SF-005

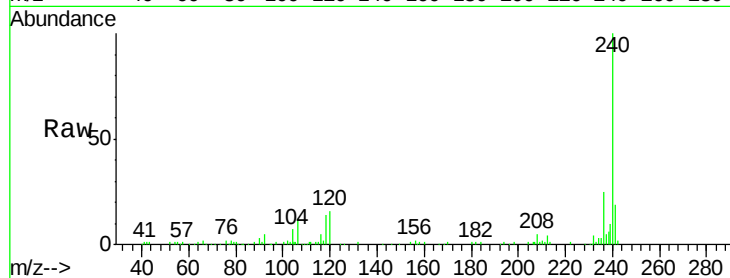
Tot Ion:240 Resp: 133262

Ion Ratio Lower Upper

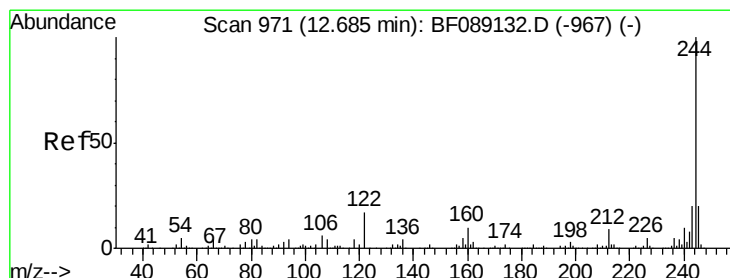
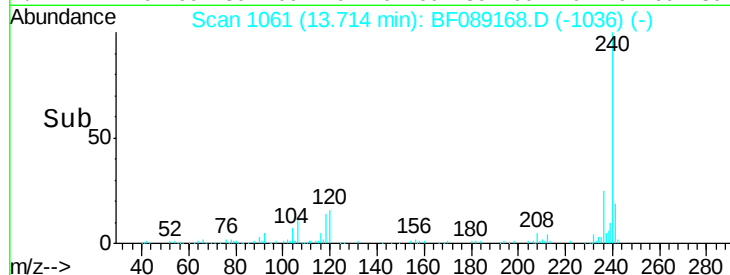
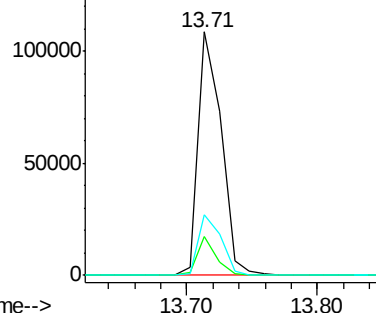
240 100

120 15.8 13.6 20.4

236 24.9 20.5 30.7



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: 75.62 ng

RT: 12.68 min Scan# 971

Delta R.T. 0.00 min

Lab File: BF089168.D

Acq: 21 Jul 2016 9:16

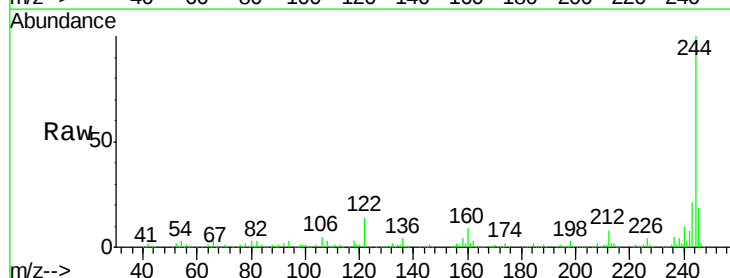
Tgt Ion:244 Resp: 464615

Ion Ratio Lower Upper

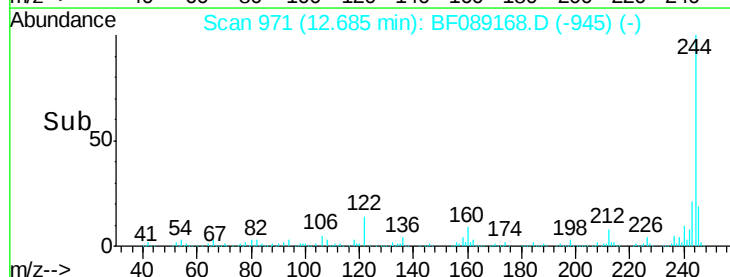
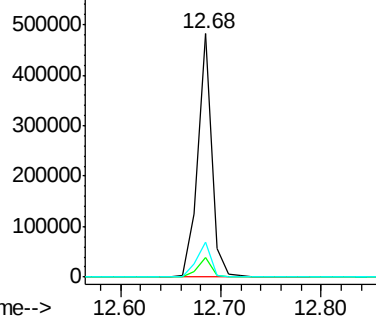
244 100

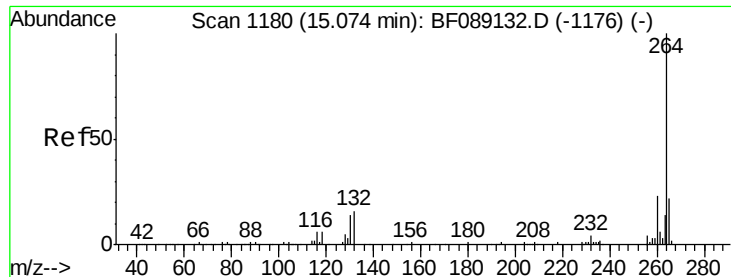
212 8.0 7.0 10.4

122 14.3 13.8 20.8



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: 15.06 min Scan# 1179  
Delta R.T. -0.01 min  
Lab File: BF089168.D  
Acq: 21 Jul 2016 9:16

Instrument :  
BNA\_F  
ClientSampleId :  
TILCON-MH-SF-005

Tot Ion: 264 Resp: 94716  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.6  | 18.5  | 27.7  |
| 265 | 21.2  | 17.3  | 25.9  |

