

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF070716\  
 Data File : BF088791.D  
 Acq On : 7 Jul 2016 21:10  
 Operator : UM/SJ  
 Sample : H3830-01RE  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TILCON-GF-015RE

Quant Time: Jul 08 03:17:45 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF063016.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 08 01:56:42 2016  
 Response via : Initial Calibration

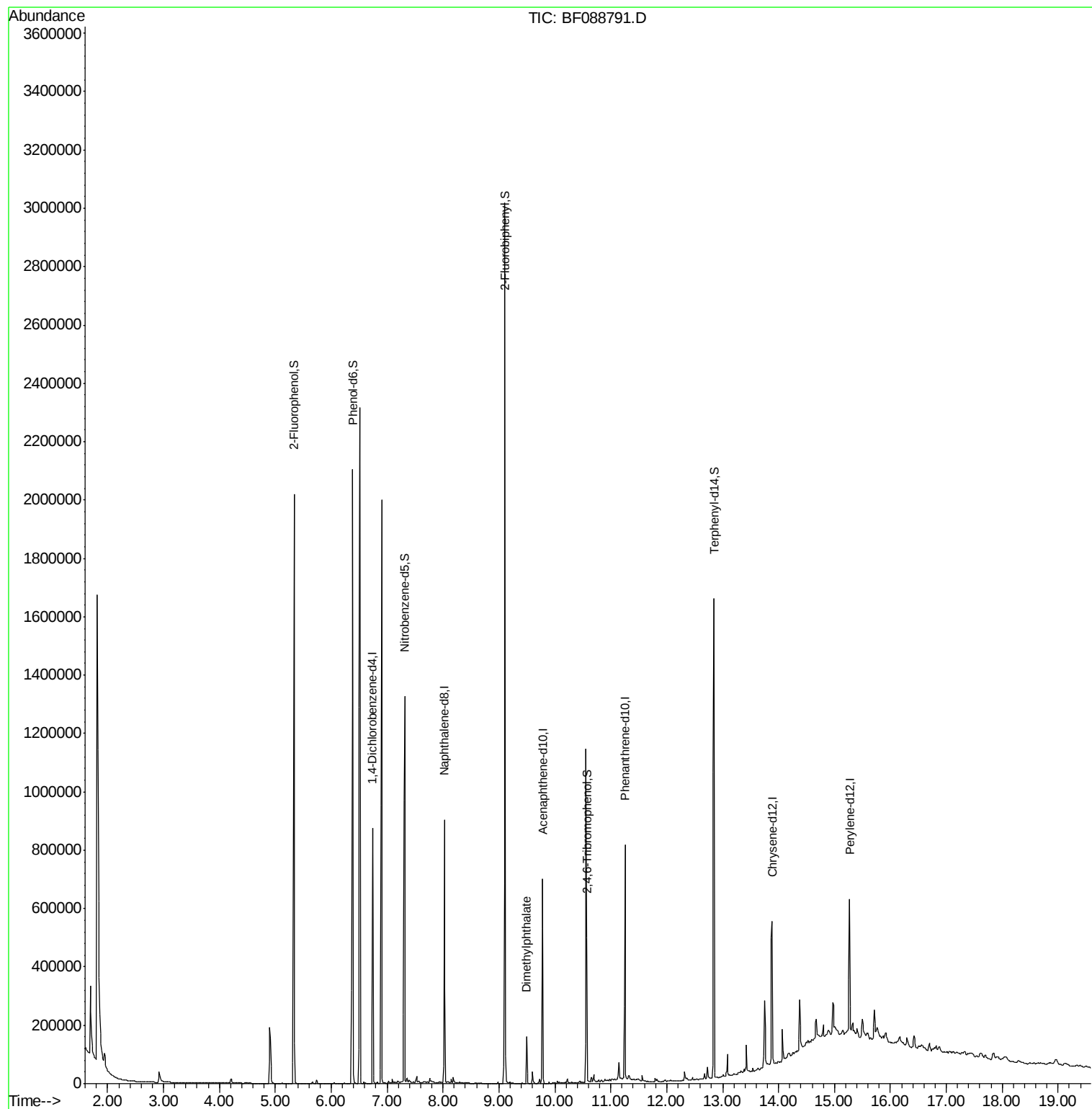
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|-------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 119616   | 20.00 | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.02  | 136  | 423102   | 20.00 | ng    | -0.01        |
| 38) Acenaphthene-d10        | 9.78  | 164  | 180475   | 20.00 | ng    | 0.00         |
| 63) Phenanthrene-d10        | 11.26 | 188  | 292591   | 20.00 | ng    | 0.00         |
| 75) Chrysene-d12            | 13.89 | 240  | 223657   | 20.00 | ng    | 0.00         |
| 86) Perylene-d12            | 15.27 | 264  | 192621   | 20.00 | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |       |       |              |
| 5) 2-Fluorophenol           | 5.34  | 112  | 606431   | 75.98 | ng    | 0.01         |
| 7) Phenol-d6                | 6.39  | 99   | 934063   | 90.57 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 618181   | 76.57 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 10.57 | 330  | 156845   | 93.59 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 9.11  | 172  | 850732   | 74.46 | ng    | 0.00         |
| 78) Terphenyl-d14           | 12.85 | 244  | 611379   | 60.89 | ng    | 0.00         |
| Target Compounds            |       |      |          |       |       |              |
| 49) Dimethylphthalate       | 9.50  | 163  | 60825    | 4.73  | ng    | Qvalue<br>99 |

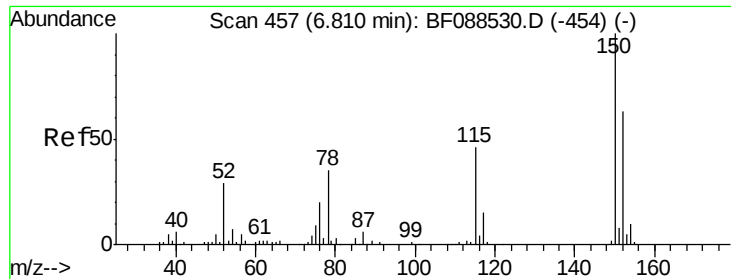
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 451

Delta R.T. 0.00 min

Lab File: BF088791.D

Acq: 7 Jul 2016 21:10

Instrument :

BNA\_F

ClientSampleId :

TILCON-GF-015RE

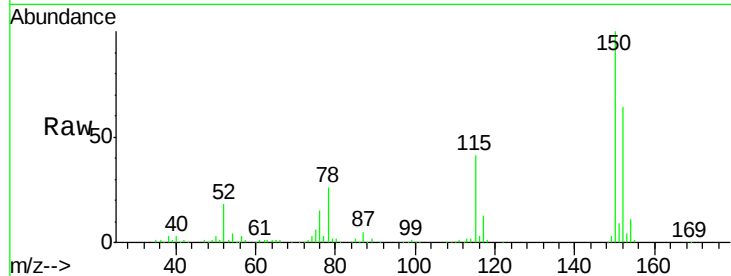
Tgt Ion:152 Resp: 119616

Ion Ratio Lower Upper

152 100

150 157.0 123.8 185.6

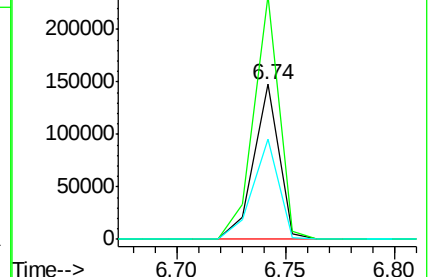
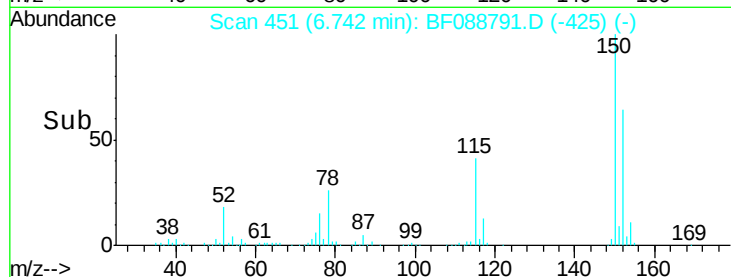
115 65.0 39.6 59.4#



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: 75.98 ng

RT: 5.34 min Scan# 328

Delta R.T. 0.01 min

Lab File: BF088791.D

Acq: 7 Jul 2016 21:10

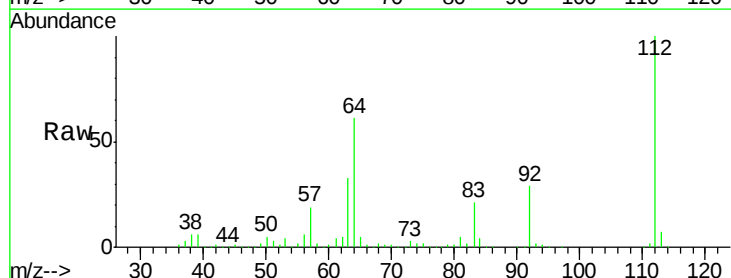
Tgt Ion:112 Resp: 606431

Ion Ratio Lower Upper

112 100

64 60.5 42.2 63.2

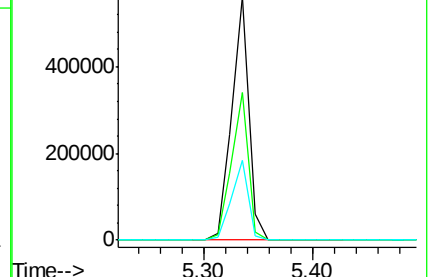
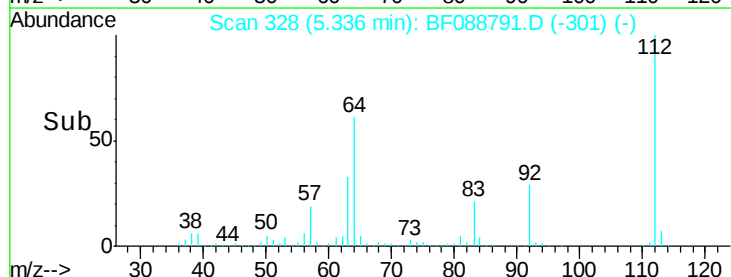
63 32.6 21.8 32.8



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: 90.57 ng

RT: 6.39 min Scan# 420

Delta R.T. 0.00 min

Lab File: BF088791.D

Acq: 7 Jul 2016 21:10

Instrument :

BNA\_F

ClientSampleId :

TILCON-GF-015RE

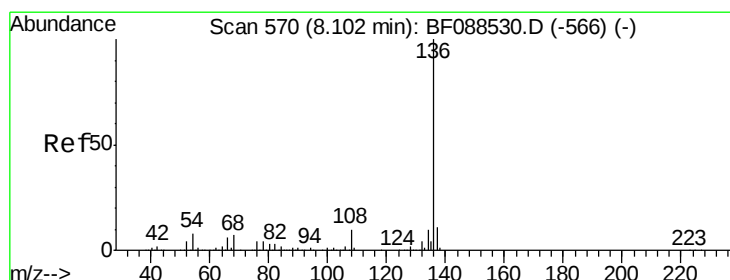
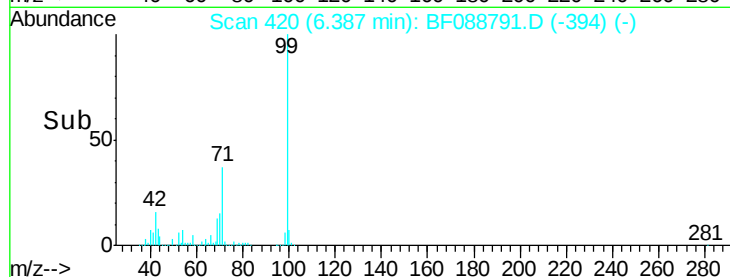
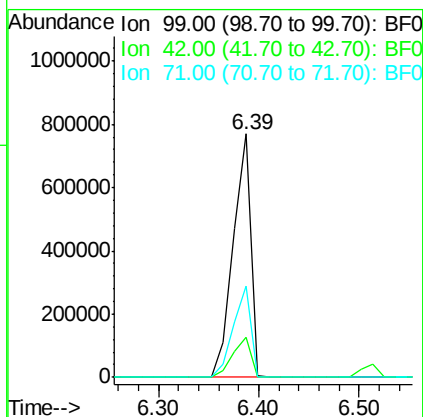
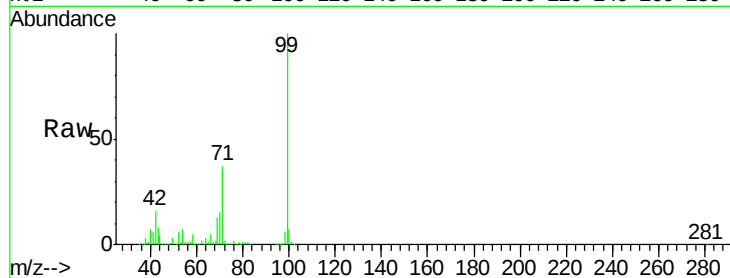
Tgt Ion: 99 Resp: 934063

Ion Ratio Lower Upper

99 100

42 16.4 12.2 18.2

71 37.3 23.4 35.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.02 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF088791.D

Acq: 7 Jul 2016 21:10

Tgt Ion: 136 Resp: 423102

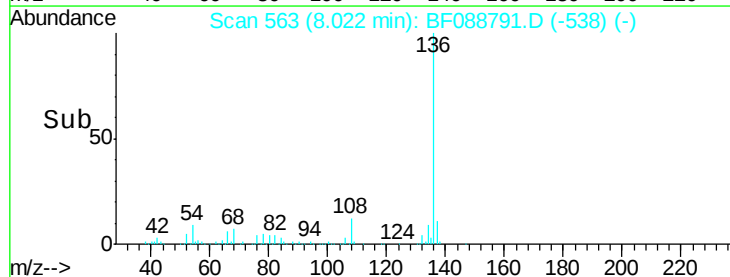
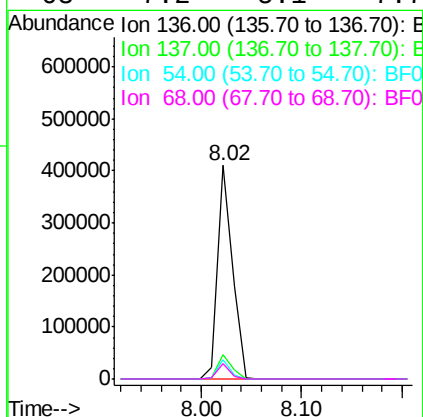
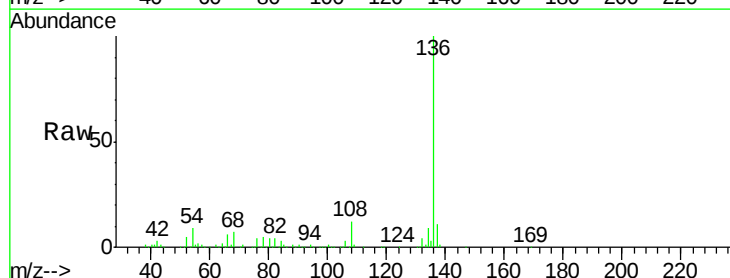
Ion Ratio Lower Upper

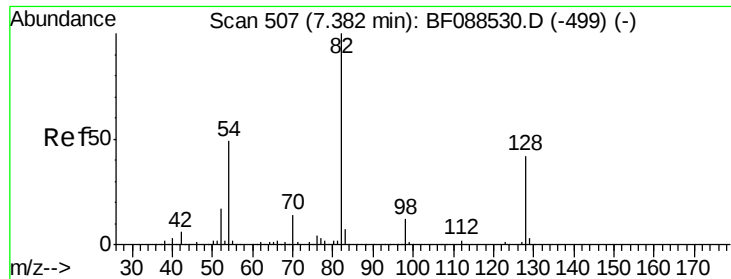
136 100

137 11.3 9.1 13.7

54 9.1 6.6 10.0

68 7.2 5.1 7.7

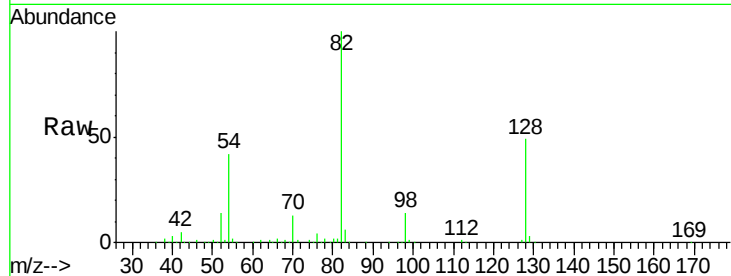




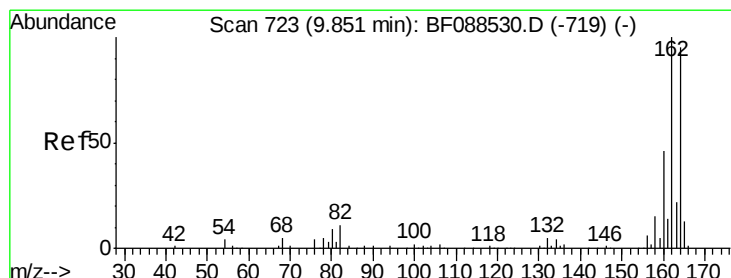
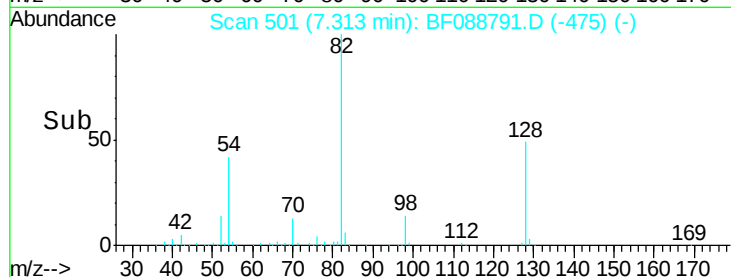
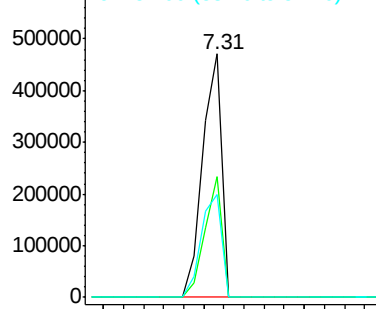
#23  
 Nitrobenzene-d5  
 Concen: 76.57 ng  
 RT: 7.31 min Scan# 501  
 Delta R.T. 0.00 min  
 Lab File: BF088791.D  
 Acq: 7 Jul 2016 21:10

Instrument :  
 BNA\_F  
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 TILCON-GF-015RE

Tgt Ion: 82 Resp: 618181  
 Ion Ratio Lower Upper  
 82 100  
 128 49.5 35.9 53.9  
 54 42.1 40.9 61.3

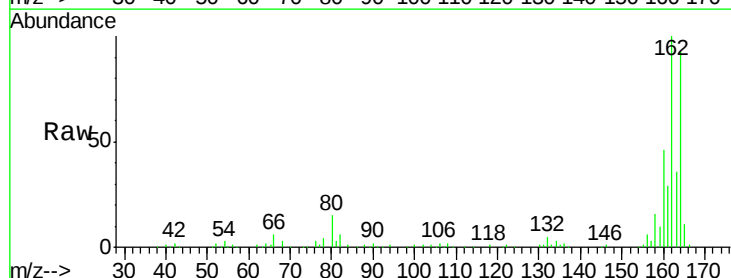


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

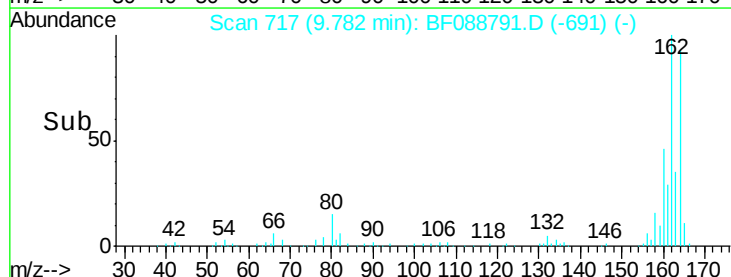
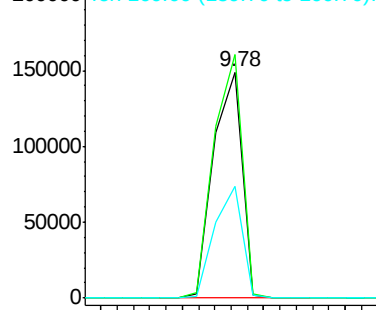


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.78 min Scan# 717  
 Delta R.T. 0.00 min  
 Lab File: BF088791.D  
 Acq: 7 Jul 2016 21:10

Tgt Ion: 164 Resp: 180475  
 Ion Ratio Lower Upper  
 164 100  
 162 107.8 85.4 128.2  
 160 49.6 39.5 59.3



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

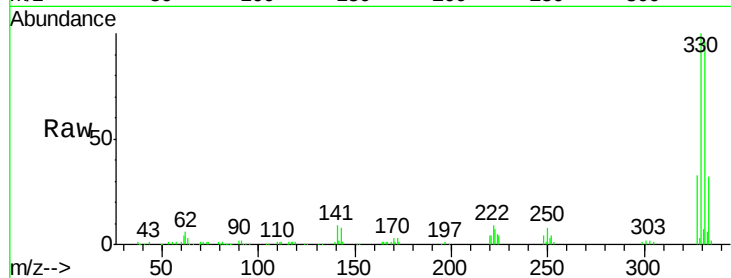




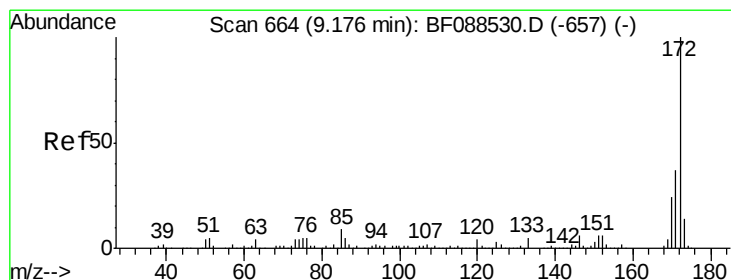
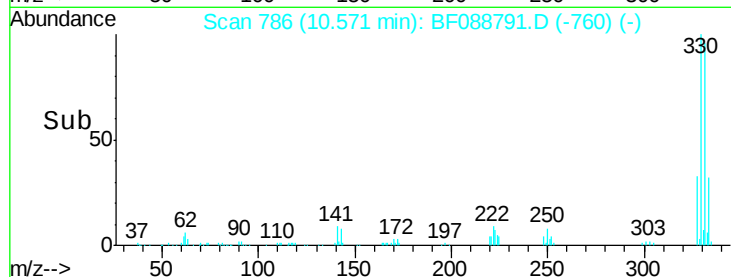
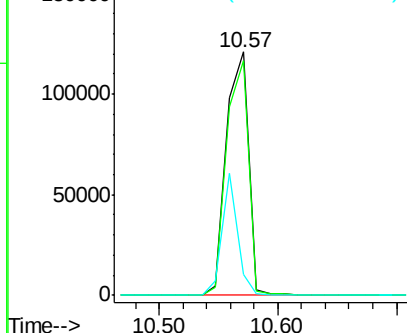
#41  
 2,4,6-Tribromophenol  
 Concen: 93.59 ng  
 RT: 10.57 min Scan# 786  
 Delta R.T. 0.00 min  
 Lab File: BF088791.D  
 Acq: 7 Jul 2016 21:10

Instrument :  
 BNA\_F  
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 TILCON-GF-015RE

Tgt Ion:330 Resp: 156845  
 Ion Ratio Lower Upper  
 330 100  
 332 95.6 0.0 0.0#  
 141 34.8 0.0 0.0#

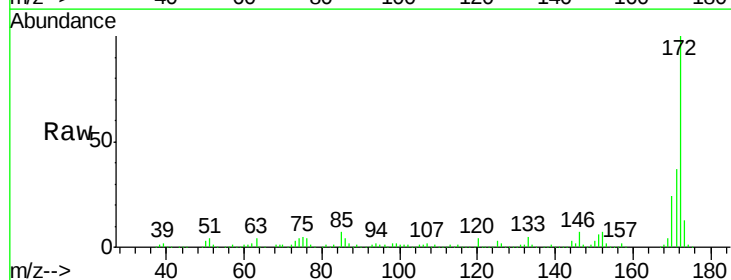


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

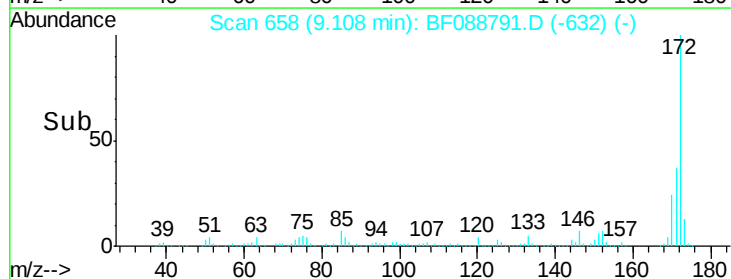
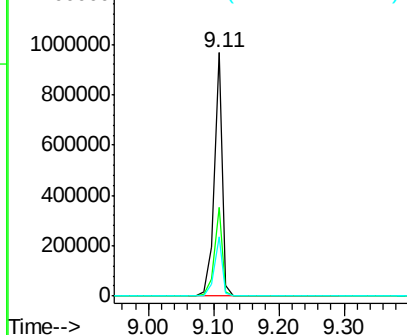


#44  
 2-Fluorobiphenyl  
 Concen: 74.46 ng  
 RT: 9.11 min Scan# 658  
 Delta R.T. 0.00 min  
 Lab File: BF088791.D  
 Acq: 7 Jul 2016 21:10

Tgt Ion:172 Resp: 850732  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 28.6 43.0  
 170 24.5 19.2 28.8



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

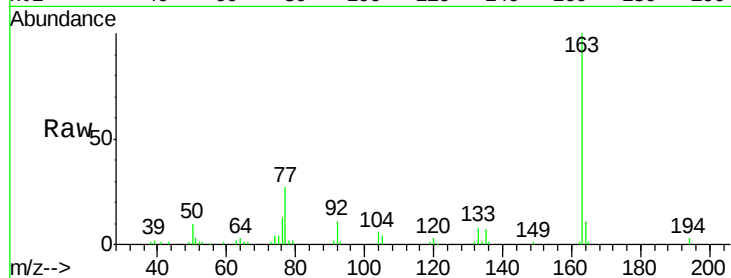




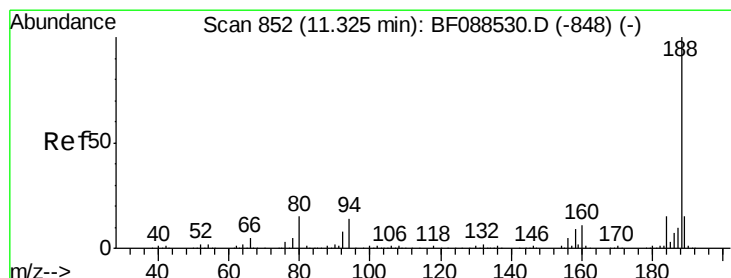
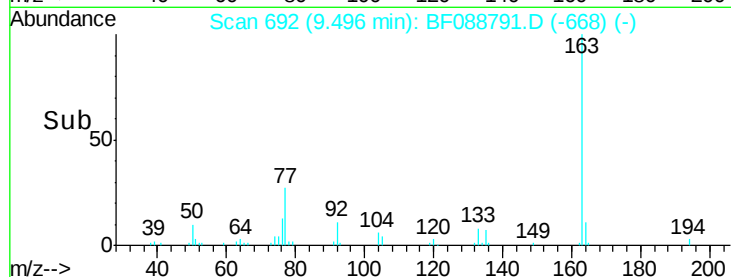
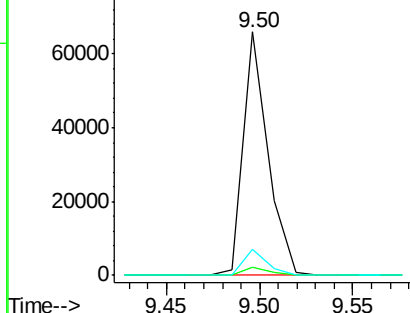
#49  
Dimethylphthalate  
Concen: 4.73 ng  
RT: 9.50 min Scan# 692  
Delta R.T. -0.02 min  
Lab File: BF088791.D  
Acq: 7 Jul 2016 21:10

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Tgt Ion:163 Resp: 60825  
Ion Ratio Lower Upper  
163 100  
194 3.1 2.8 4.2  
164 10.7 8.3 12.5

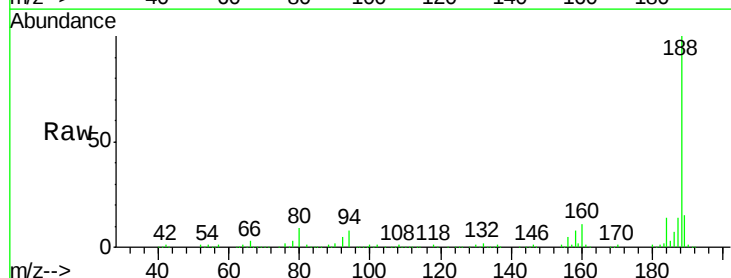


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

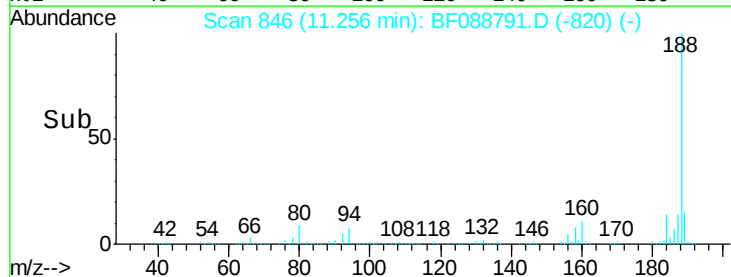
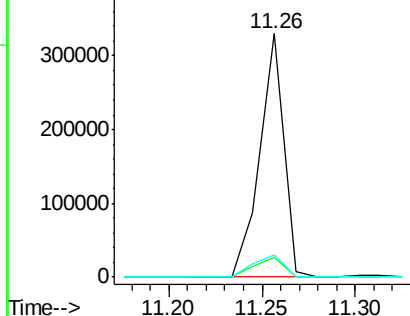


#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.26 min Scan# 846  
Delta R.T. 0.00 min  
Lab File: BF088791.D  
Acq: 7 Jul 2016 21:10

Tgt Ion:188 Resp: 292591  
Ion Ratio Lower Upper  
188 100  
94 8.3 9.0 13.6#  
80 9.3 10.0 15.0#



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: 13.89 min Scan# 1076

Delta R.T. 0.00 min

Lab File: BF088791.D

Acq: 7 Jul 2016 21:10

Instrument :

BNA\_F

ClientSampleId :

TILCON-GF-015RE

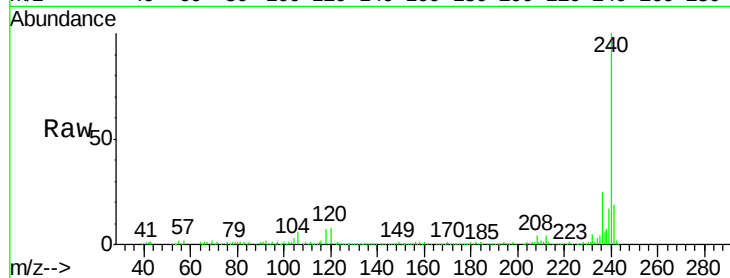
Tgt Ion:240 Resp: 223657

Ion Ratio Lower Upper

240 100

120 8.0 6.8 10.2

236 25.3 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

250000

200000

150000

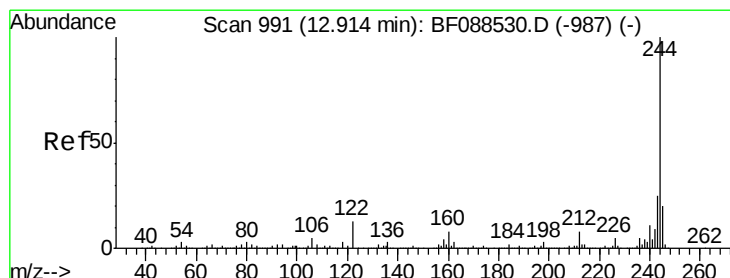
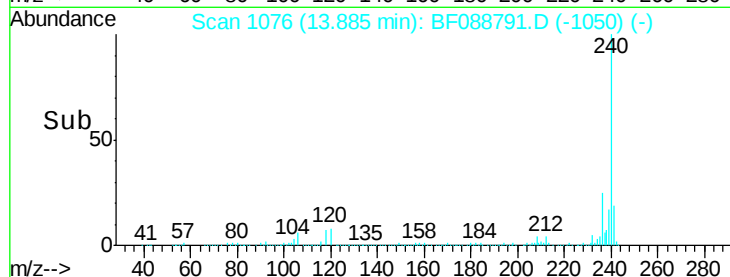
100000

50000

0

13.80 13.90 14.00

Time-->



#78

Terphenyl-d14

Concen: 60.89 ng

RT: 12.85 min Scan# 985

Delta R.T. 0.00 min

Lab File: BF088791.D

Acq: 7 Jul 2016 21:10

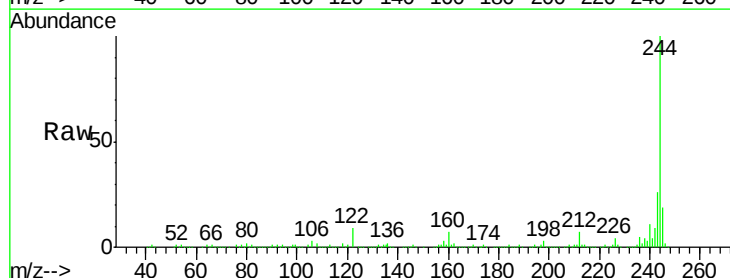
Tgt Ion:244 Resp: 611379

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 8.8 11.2 16.8#



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

800000

600000

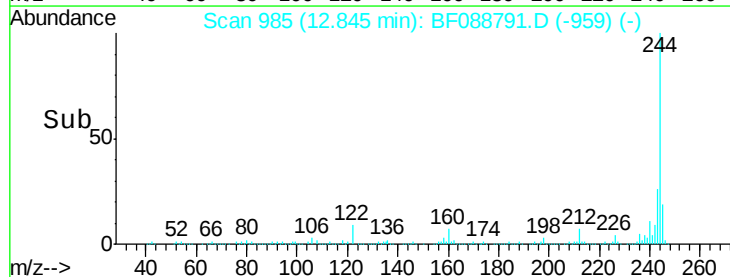
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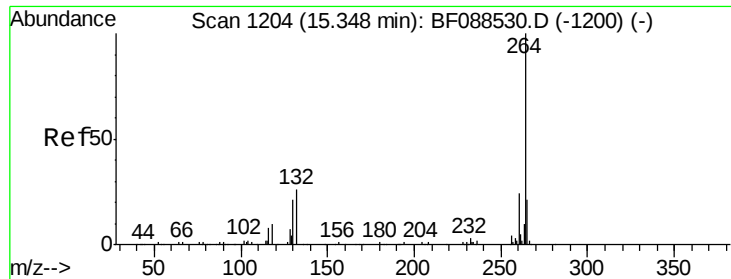
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0

12.80 12.90 13.00

Time-->





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.27 min Scan# 1197  
Delta R.T. 0.00 min  
Lab File: BF088791.D  
Acq: 7 Jul 2016 21:10

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion: 264 Resp: 192621  
Ion Ratio Lower Upper  
264 100  
260 24.0 19.2 28.8  
265 21.1 16.9 25.3

