

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF100715\  
 Data File : BF082108.D  
 Acq On : 7 Oct 2015 17:01  
 Operator : UM/IZ  
 Sample : G3707-05  
 Misc : LOD 8PPM  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-WATER2015-01

Quant Time: Oct 08 03:56:53 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 08 02:46:05 2015  
 Response via : Initial Calibration

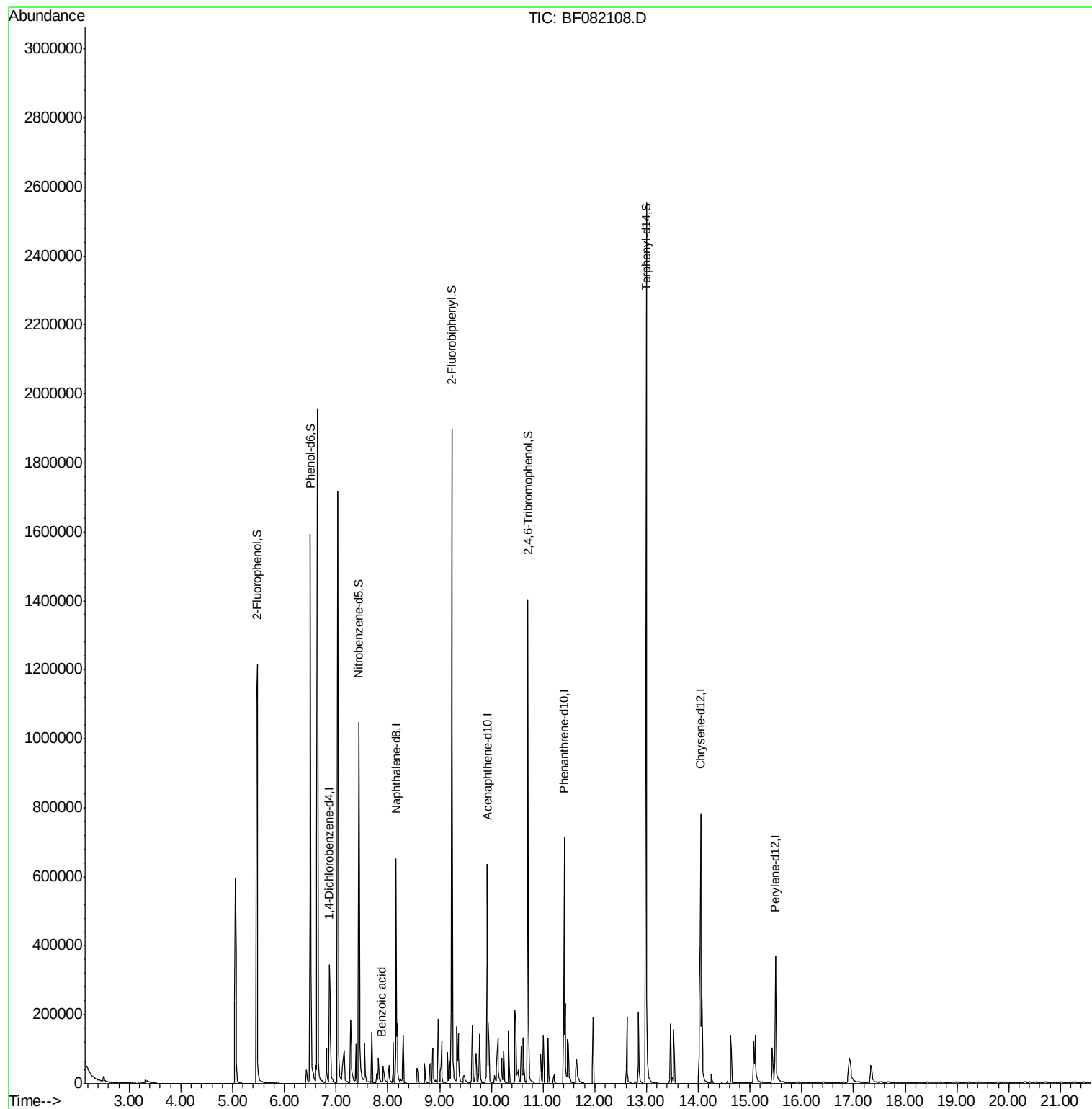
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.87  | 152  | 77804    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.16  | 136  | 321718   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.92  | 164  | 158902   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.41 | 188  | 322332   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.05 | 240  | 315553   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.49 | 264  | 243907   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 530146   | 123.69 | ng    | 0.01     |
| 7) Phenol-d6                | 6.50  | 99   | 620199   | 115.00 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.44  | 82   | 396822   | 82.22  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.71 | 330  | 194486   | 120.85 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.23  | 172  | 814122   | 85.91  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.00 | 244  | 944829   | 102.41 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 7.89  | 122  | 6487m    | 9.42   | ng    | Qvalue   |

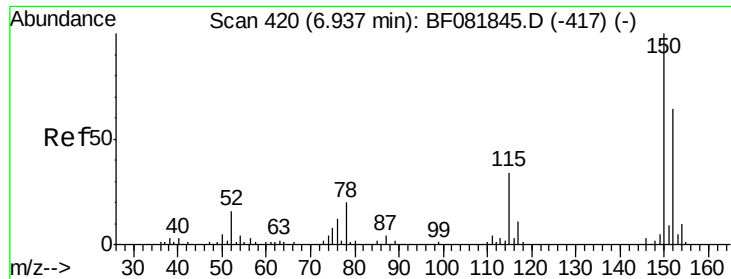
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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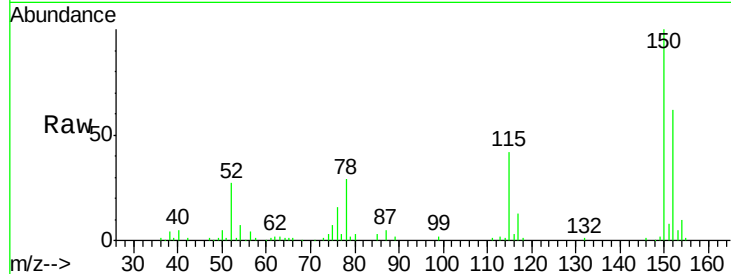


#1

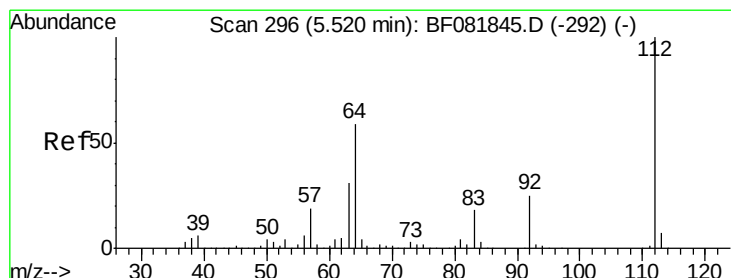
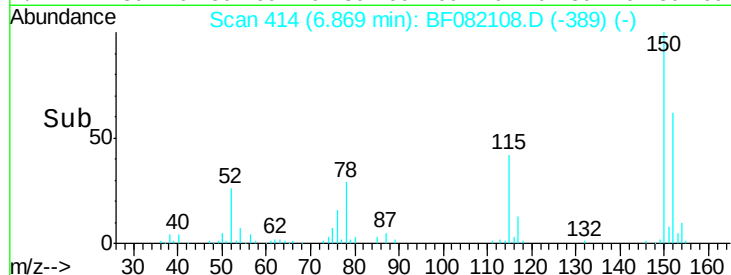
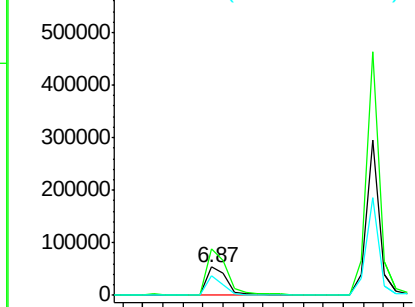
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.87 min Scan# 414  
 Delta R.T. -0.01 min  
 Lab File: BF082108.D  
 Acq: 7 Oct 2015 17:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-WATER2015-01

Tgt Ion:152 Resp: 77804  
 Ion Ratio Lower Upper  
 152 100  
 150 161.7 124.7 187.1  
 115 67.5 39.0 58.4#



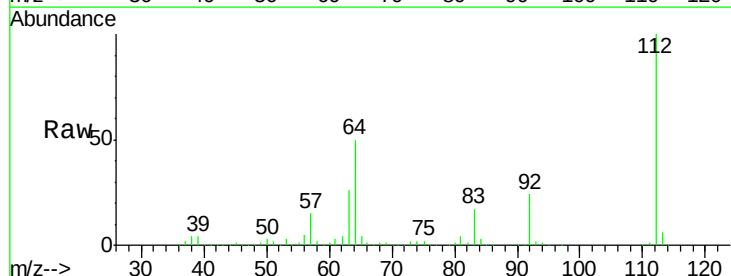
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



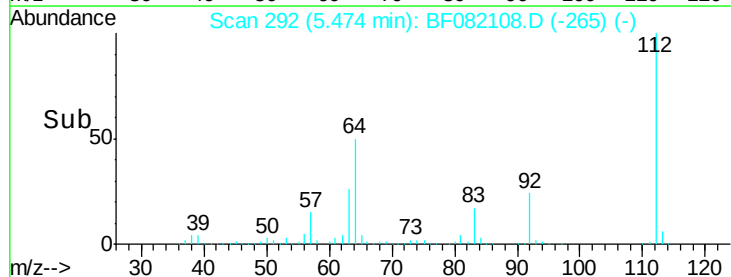
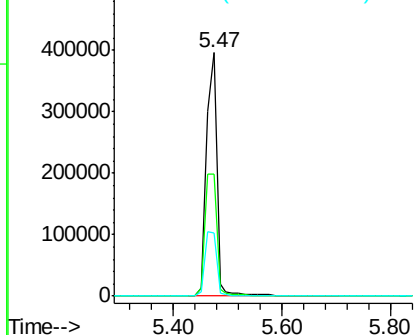
#5

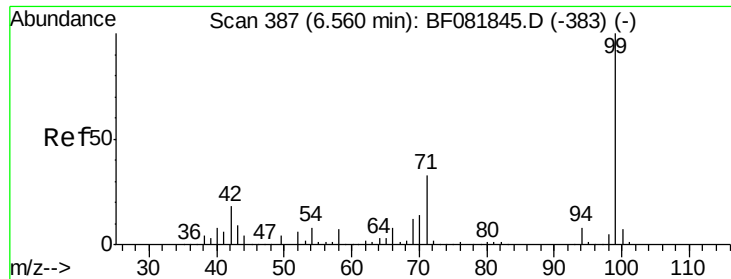
2-Fluorophenol  
 Concen: 123.69 ng  
 RT: 5.47 min Scan# 292  
 Delta R.T. 0.01 min  
 Lab File: BF082108.D  
 Acq: 7 Oct 2015 17:01

Tgt Ion:112 Resp: 530146  
 Ion Ratio Lower Upper  
 112 100  
 64 50.0 39.7 59.5  
 63 26.0 17.4 26.0



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: 115.00 ng

RT: 6.50 min Scan# 382

Delta R.T. -0.00 min

Lab File: BF082108.D

Acq: 7 Oct 2015 17:01

Instrument :

BNA\_F

ClientSampleId :

LOD-WATER2015-01

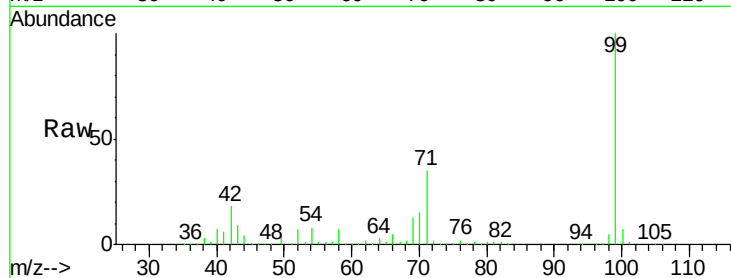
Tgt Ion: 99 Resp: 620199

Ion Ratio Lower Upper

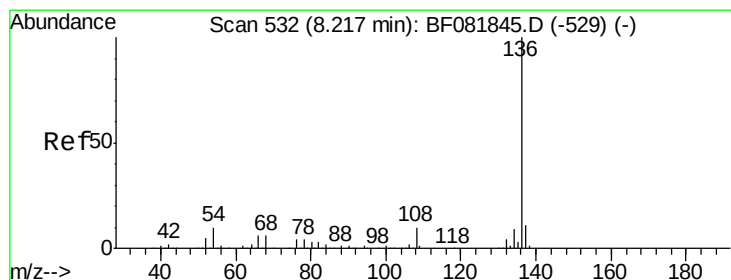
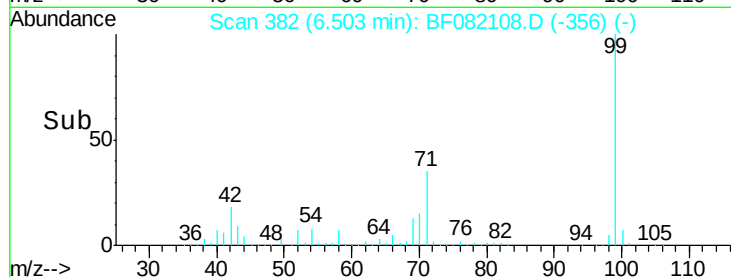
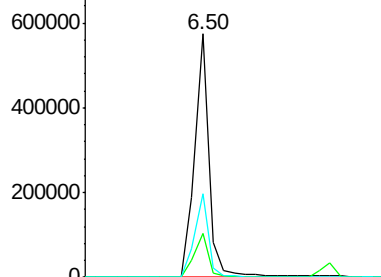
99 100

42 17.9 13.7 20.5

71 34.6 14.2 21.2#



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: 8.16 min Scan# 527

Delta R.T. -0.00 min

Lab File: BF082108.D

Acq: 7 Oct 2015 17:01

Tgt Ion: 136 Resp: 321718

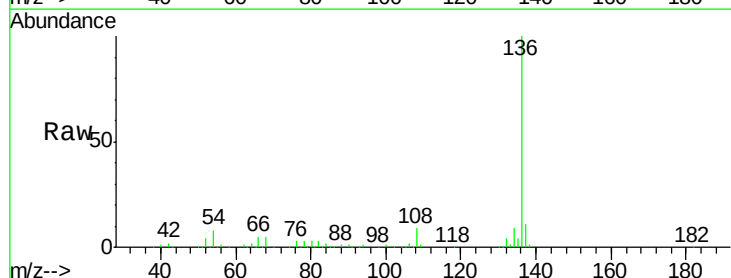
Ion Ratio Lower Upper

136 100

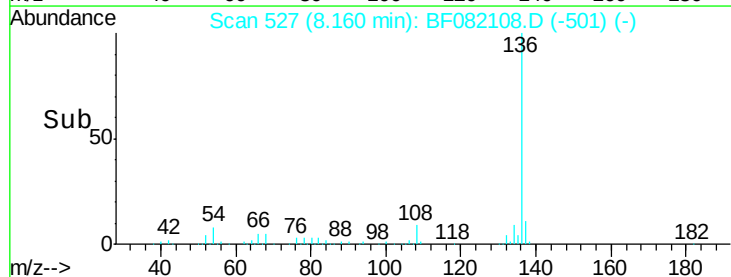
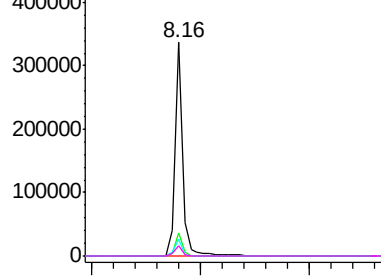
137 10.9 9.0 13.6

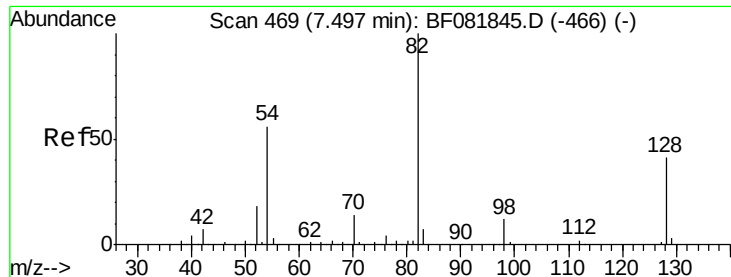
54 7.6 8.2 12.2#

68 5.1 5.8 8.6#



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

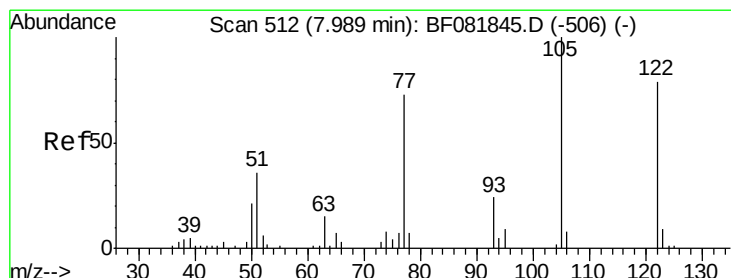
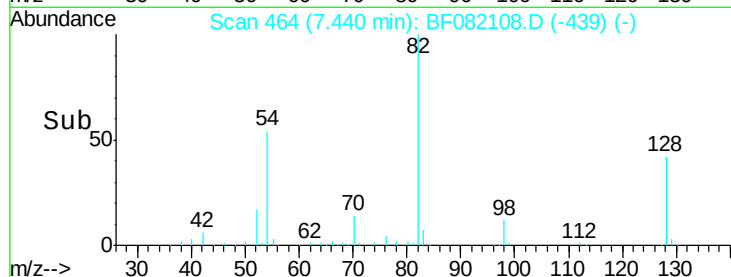
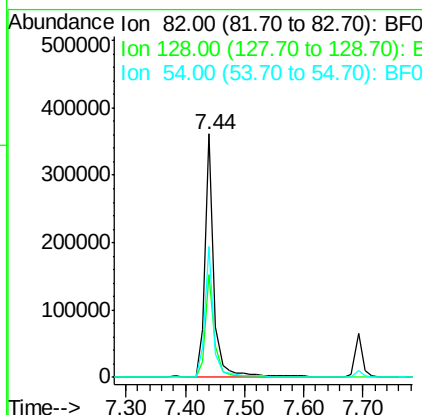
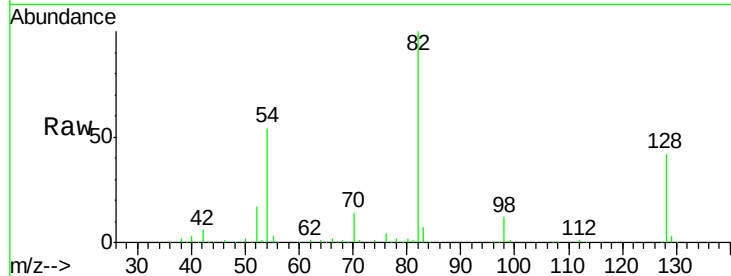




#23  
 Nitrobenzene-d5  
 Concen: 82.22 ng  
 RT: 7.44 min Scan# 464  
 Delta R.T. -0.01 min  
 Lab File: BF082108.D  
 Acq: 7 Oct 2015 17:01

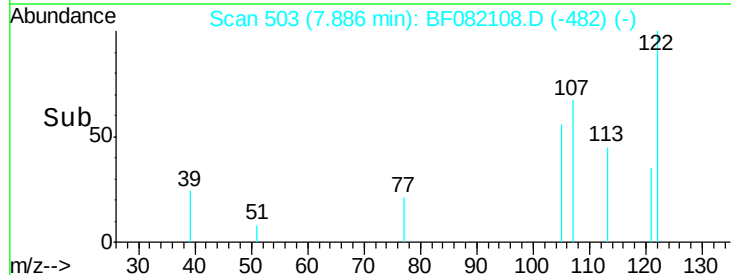
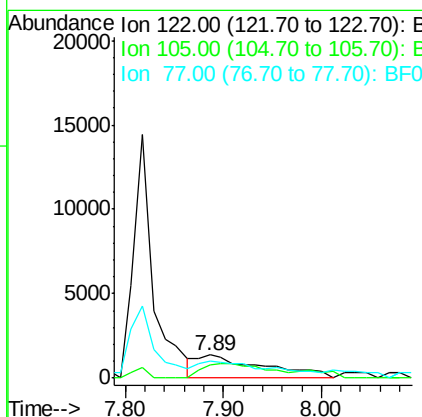
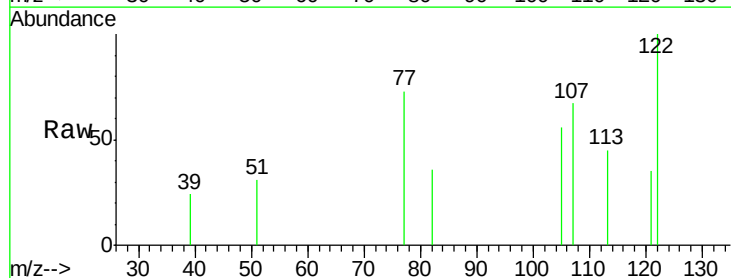
Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-WATER2015-01

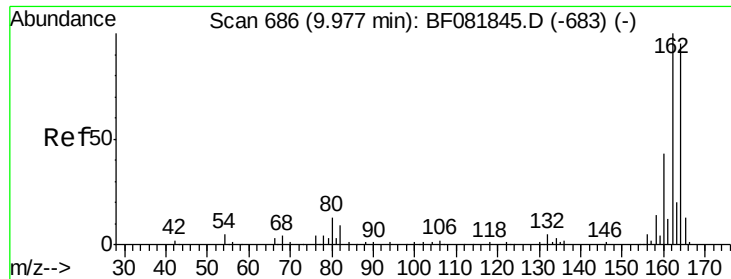
Tgt Ion: 82 Resp: 396822  
 Ion Ratio Lower Upper  
 82 100  
 128 42.5 51.0 76.6#  
 54 53.7 47.5 71.3



#32  
 Benzoic acid  
 Concen: 9.42 ng m  
 RT: 7.89 min Scan# 503  
 Delta R.T. -0.06 min  
 Lab File: BF082108.D  
 Acq: 7 Oct 2015 17:01

Tgt Ion: 122 Resp: 6487  
 Ion Ratio Lower Upper  
 122 100  
 105 55.8 76.1 116.1#  
 77 72.6 40.5 80.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 681

Delta R.T. -0.00 min

Lab File: BF082108.D

Acq: 7 Oct 2015 17:01

Instrument :

BNA\_F

ClientSampleId :

LOD-WATER2015-01

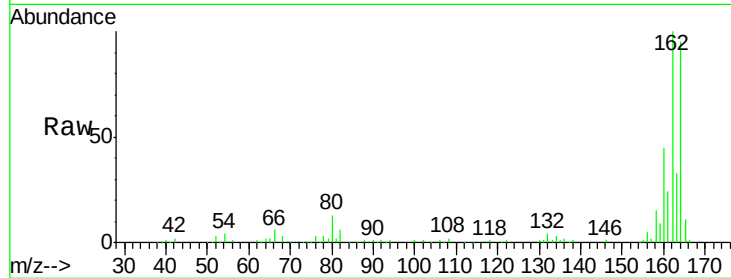
Tgt Ion:164 Resp: 158902

Ion Ratio Lower Upper

164 100

162 105.4 75.2 112.8

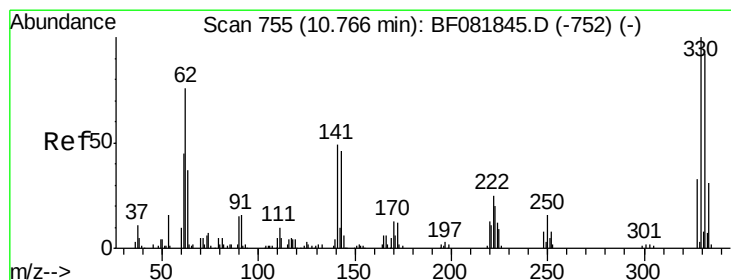
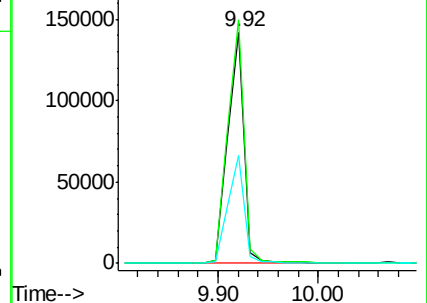
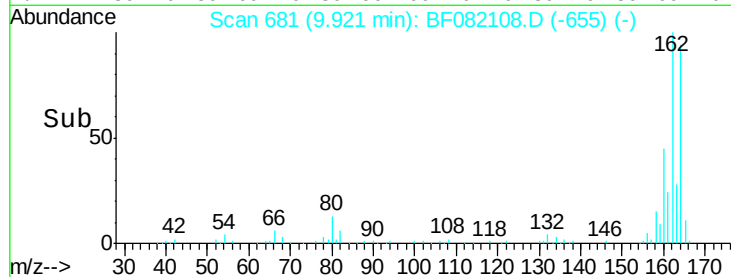
160 47.0 31.5 47.3



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: 120.85 ng

RT: 10.71 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF082108.D

Acq: 7 Oct 2015 17:01

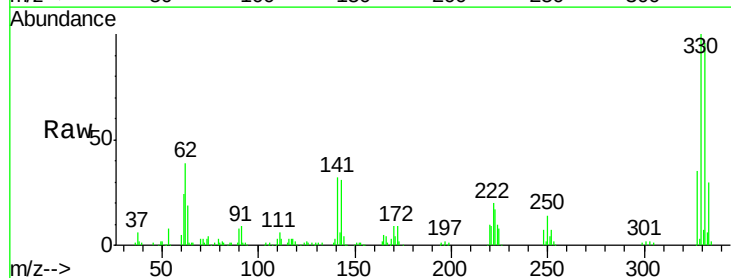
Tgt Ion:330 Resp: 194486

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

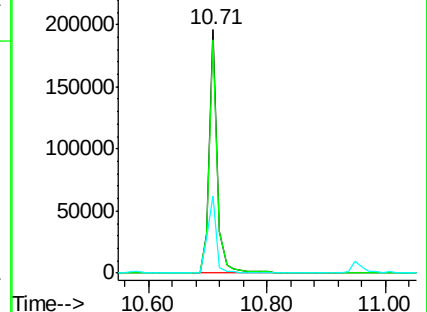
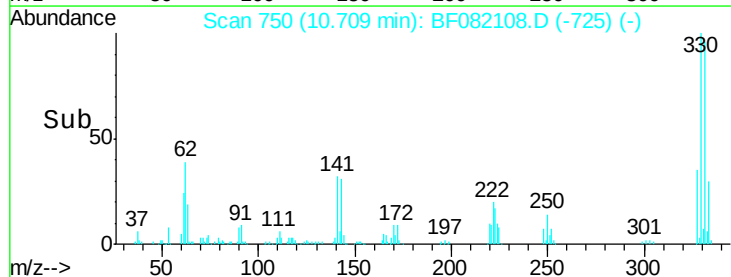
141 36.0 29.7 44.5

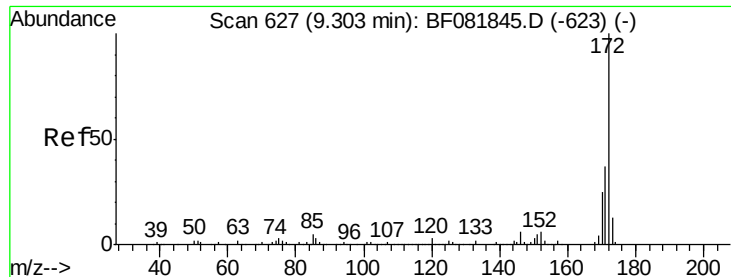


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 85.91 ng

RT: 9.23 min Scan# 621

Delta R.T. -0.01 min

Lab File: BF082108.D

Acq: 7 Oct 2015 17:01

Instrument :

BNA\_F

ClientSampleId :

LOD-WATER2015-01

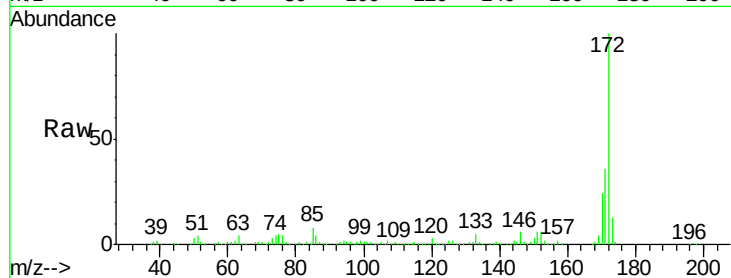
Tgt Ion:172 Resp: 814122

Ion Ratio Lower Upper

172 100

171 35.7 26.1 39.1

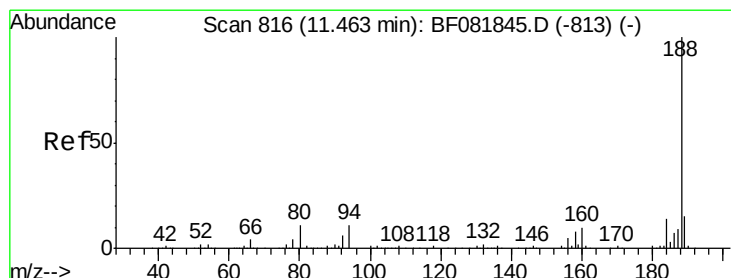
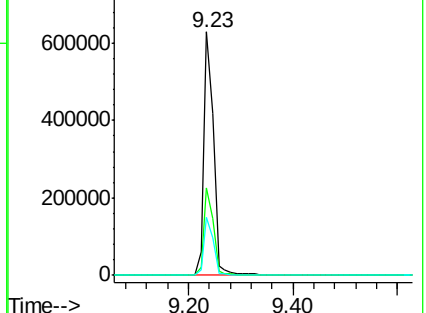
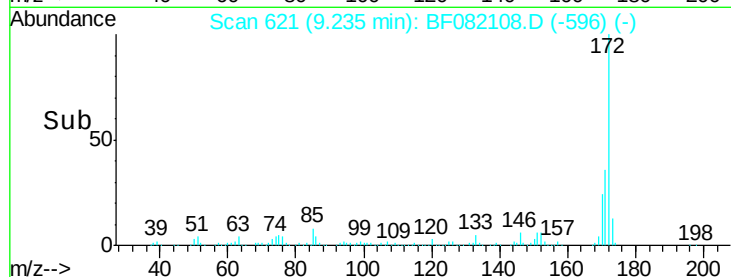
170 23.7 17.4 26.2



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: 11.41 min Scan# 811

Delta R.T. -0.00 min

Lab File: BF082108.D

Acq: 7 Oct 2015 17:01

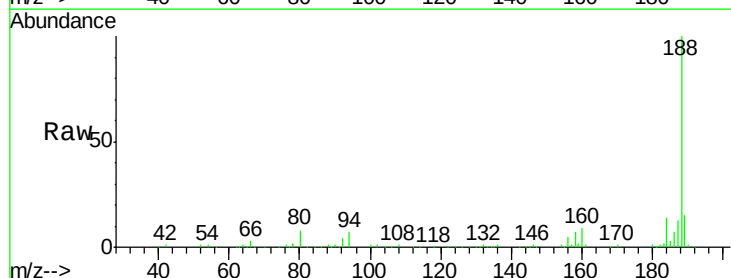
Tgt Ion:188 Resp: 322332

Ion Ratio Lower Upper

188 100

94 7.5 11.1 16.7#

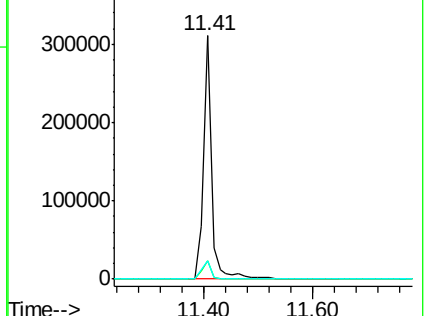
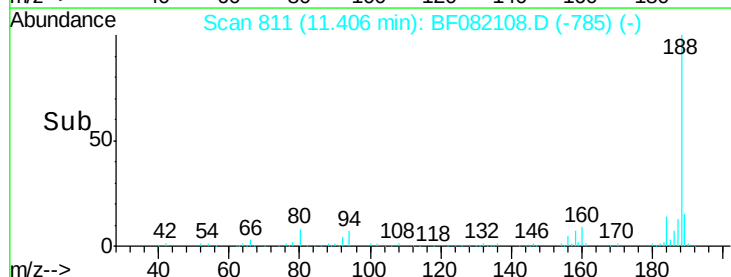
80 7.6 11.0 16.4#

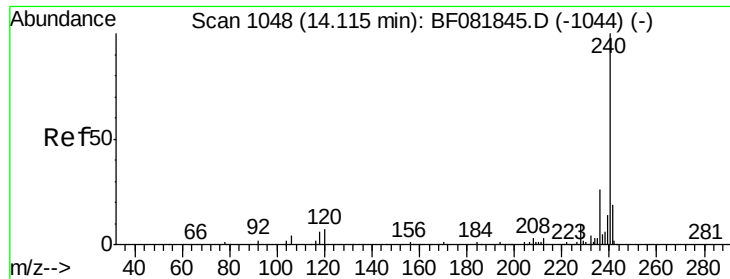


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.05 min Scan# 1042

Delta R.T. -0.01 min

Lab File: BF082108.D

Acq: 7 Oct 2015 17:01

Instrument :

BNA\_F

ClientSampleId :

LOD-WATER2015-01

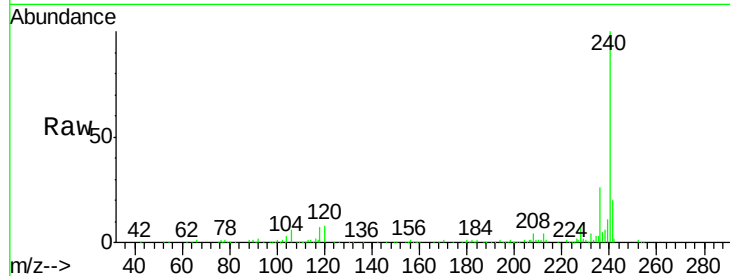
Tgt Ion:240 Resp: 315553

Ion Ratio Lower Upper

240 100

120 8.2 16.2 24.2#

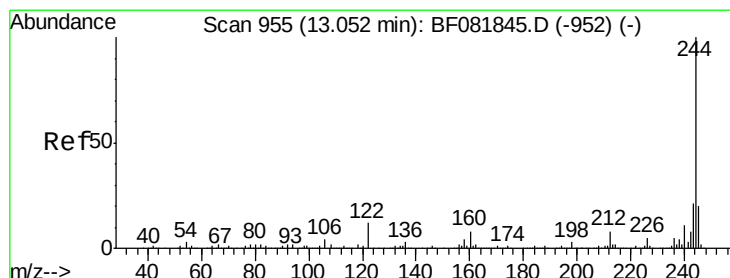
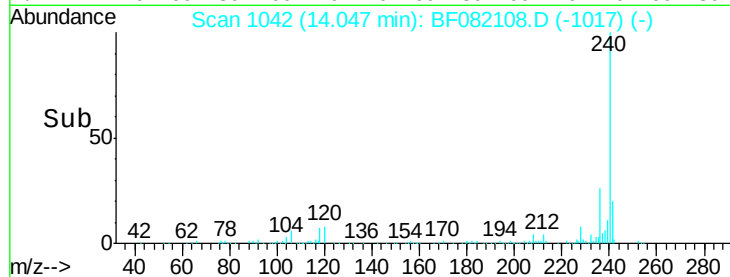
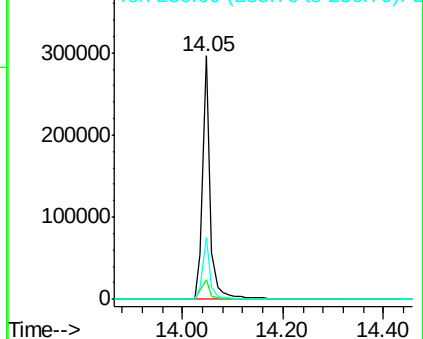
236 25.5 18.4 27.6



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: 102.41 ng

RT: 13.00 min Scan# 950

Delta R.T. -0.00 min

Lab File: BF082108.D

Acq: 7 Oct 2015 17:01

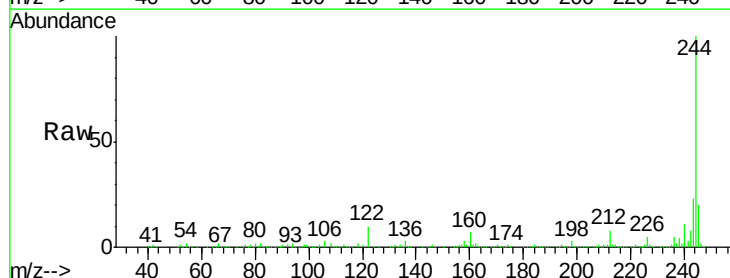
Tgt Ion:244 Resp: 944829

Ion Ratio Lower Upper

244 100

212 7.6 4.3 6.5#

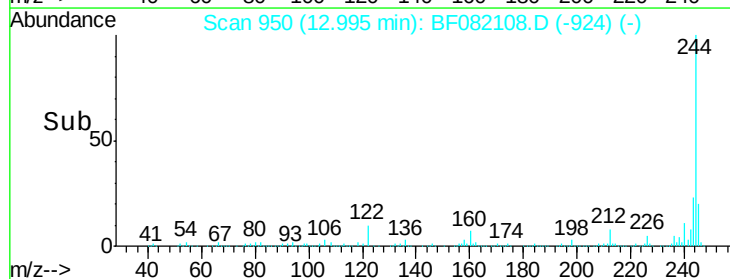
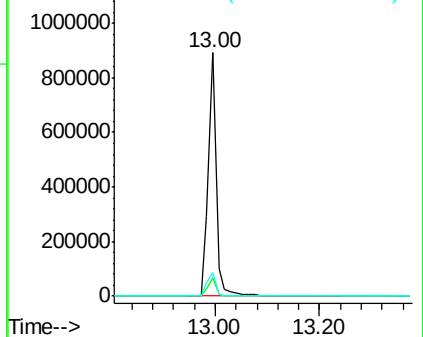
122 9.6 17.4 26.2#



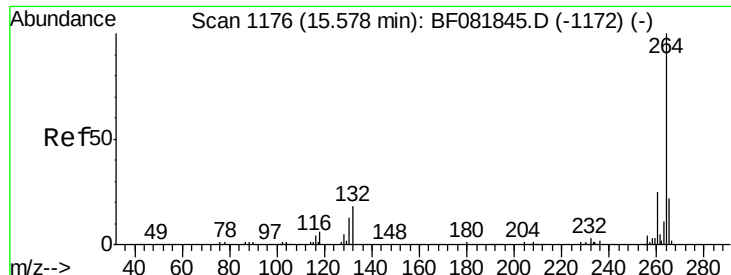
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



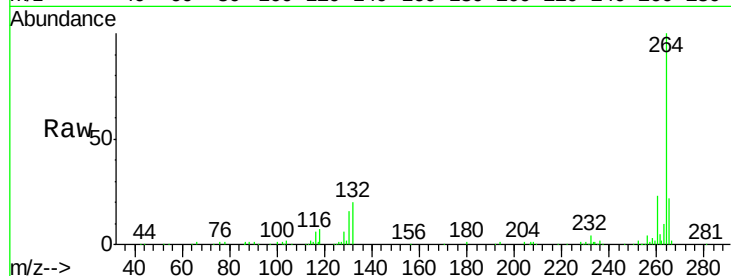




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.49 min Scan# 1168  
Delta R.T. -0.01 min  
Lab File: BF082108.D  
Acq: 7 Oct 2015 17:01

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-WATER2015-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 16.7  | 25.1  |
| 265     | 21.6  | 17.2  | 25.8  |



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

