

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100516\  
 Data File : BF090390.D  
 Acq On : 5 Oct 2016 20:07  
 Operator : UM/SJ  
 Sample : H4818-05  
 Misc : LOD 2PPM  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-WATER2016-05-QT4

Quant Time: Oct 06 01:48:44 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF100516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 05 14:57:00 2016  
 Response via : Initial Calibration

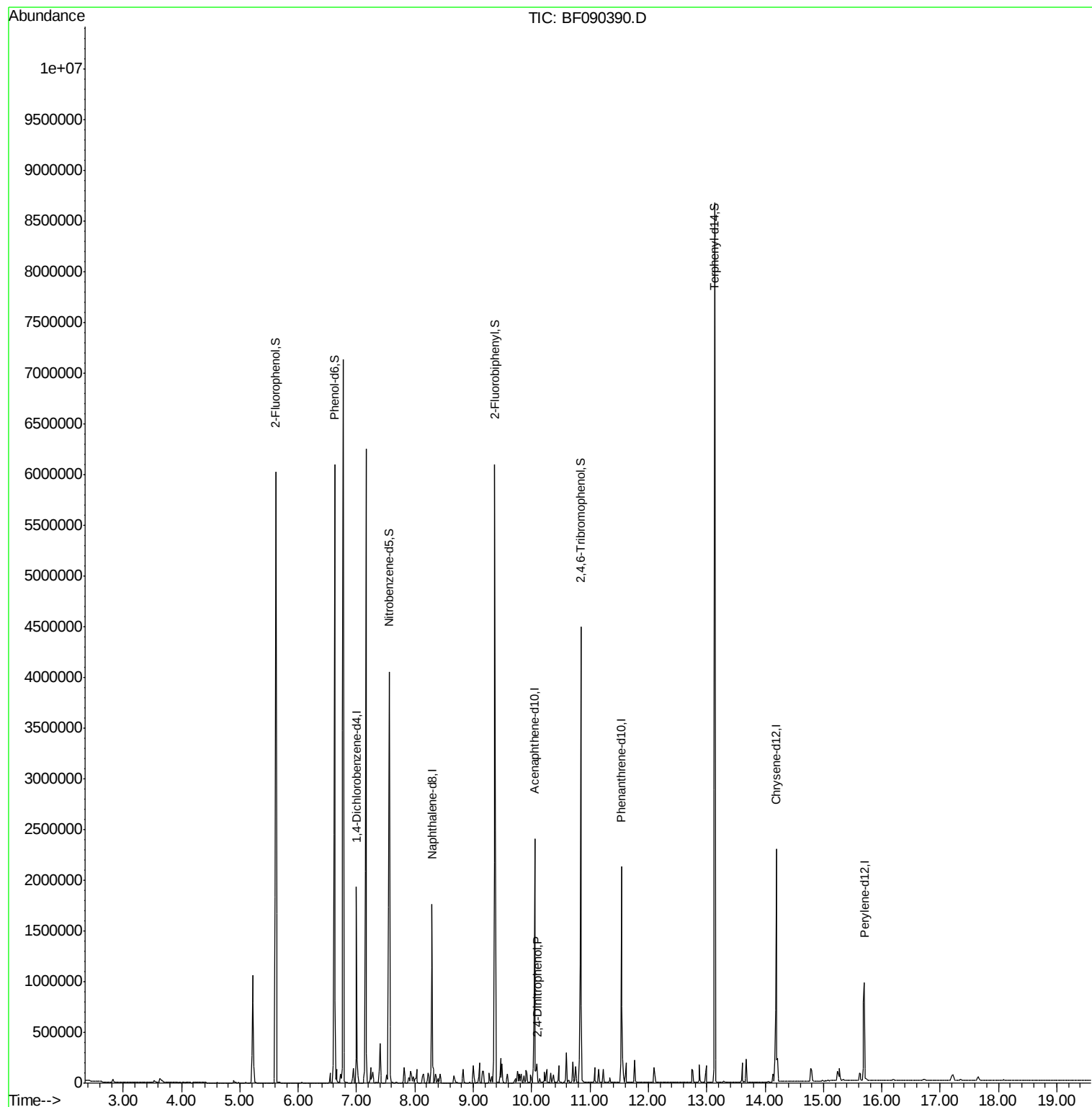
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.00  | 152  | 243866   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.29  | 136  | 983602   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 10.05 | 164  | 505151   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.54 | 188  | 763877   | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12            | 14.19 | 240  | 658606   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 15.70 | 264  | 463409   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.62  | 112  | 1791661  | 109.65 | ng    | 0.01           |
| 7) Phenol-d6                | 6.62  | 99   | 2230373  | 104.22 | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.56  | 82   | 1551176  | 76.71  | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 10.84 | 330  | 503787   | 122.65 | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 9.37  | 172  | 2413332  | 79.60  | ng    | -0.01          |
| 78) Terphenyl-d14           | 13.14 | 244  | 2480067  | 84.66  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 53) 2,4-Dinitrophenol       | 10.10 | 184  | 2014     | 0.63   | ng    | Qvalue<br># 69 |

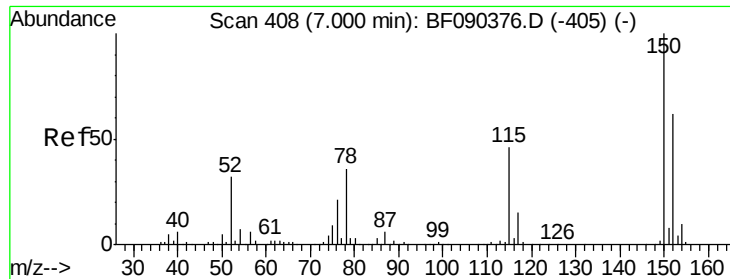
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 05 14:57:00 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.00 min Scan# 408

Delta R.T. -0.00 min

Lab File: BF090390.D

Acq: 5 Oct 2016 20:07

Instrument :

BNA\_F

ClientSampleId :

LOD-WATER2016-05-QT4

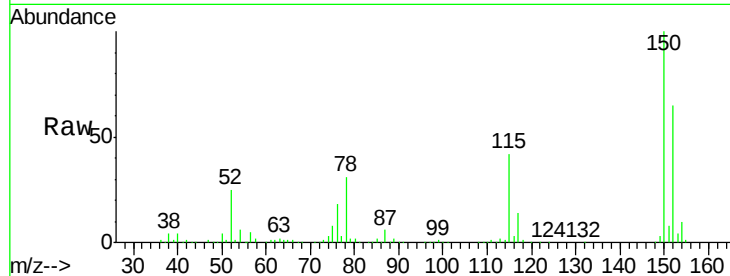
Tot Ion:152 Resp: 243866

Ion Ratio Lower Upper

152 100

150 154.9 124.6 186.8

115 65.2 46.2 69.4



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

600000

500000

400000

300000

200000

100000

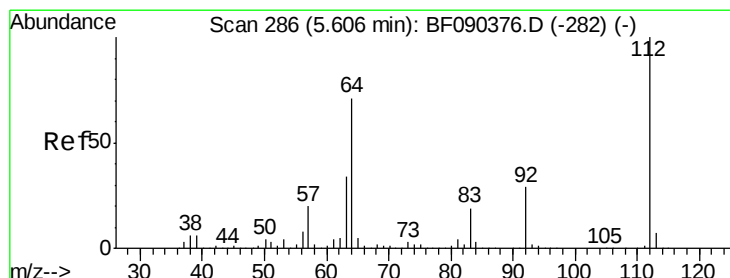
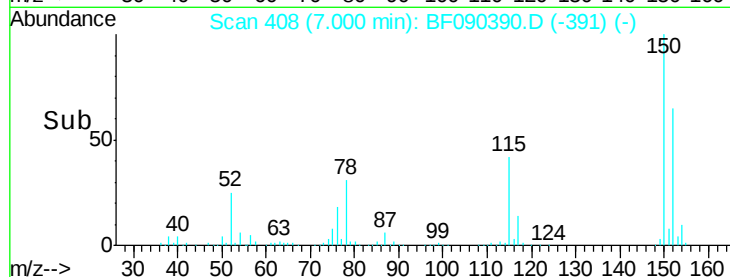
0

7.00

6.95

7.05

Time-->



#5

2-Fluorophenol

Concen: 109.65 ng

RT: 5.62 min Scan# 287

Delta R.T. 0.01 min

Lab File: BF090390.D

Acq: 5 Oct 2016 20:07

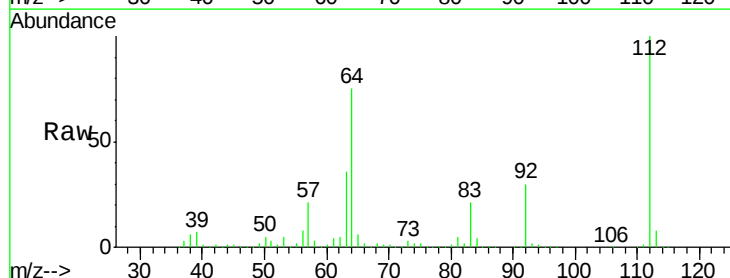
Tgt Ion:112 Resp: 1791661

Ion Ratio Lower Upper

112 100

64 75.4 57.9 86.9

63 36.2 29.6 44.4



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

2000000

1500000

1000000

500000

0

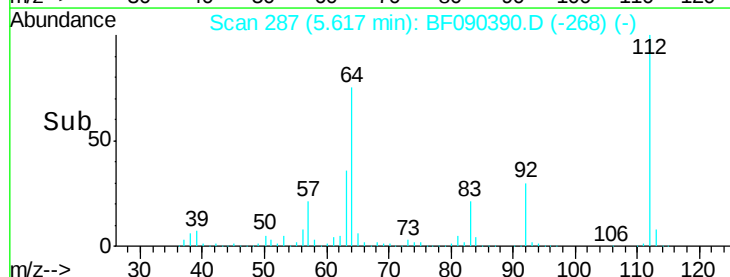
5.62

5.50

5.70

5.80

Time-->





#7

Phenol-d6

Concen: 104.22 ng

RT: 6.62 min Scan# 375

Delta R.T. -0.00 min

Lab File: BF090390.D

Acq: 5 Oct 2016 20:07

Instrument :

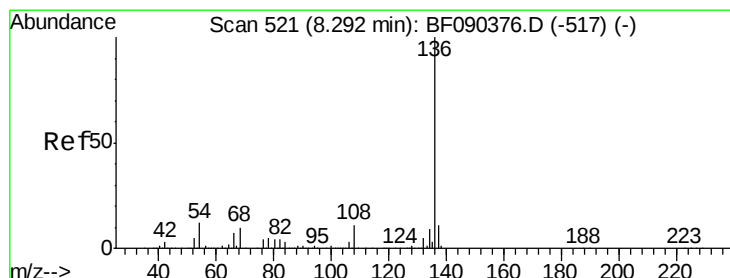
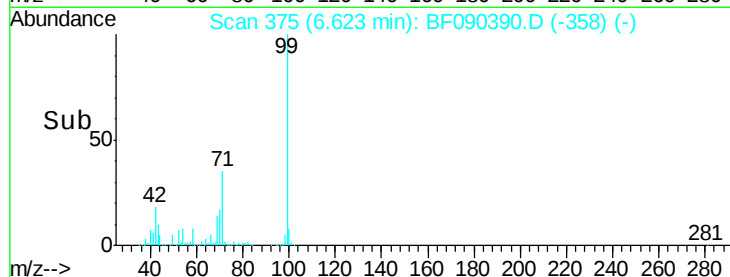
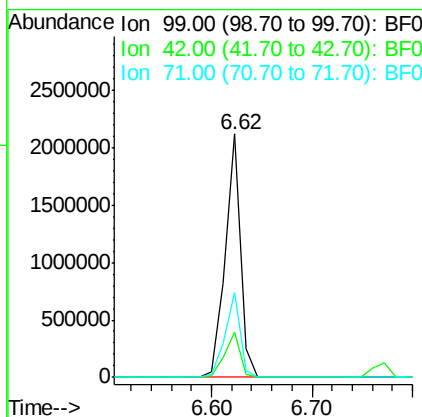
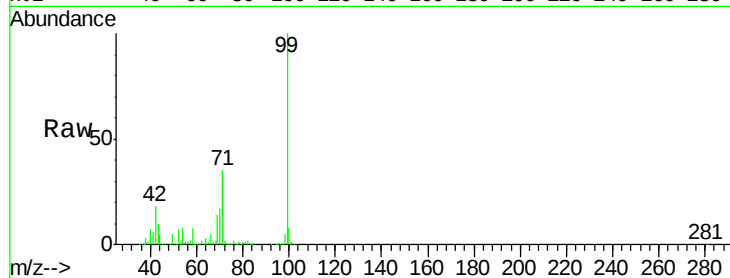
BNA\_F

ClientSampleId :

LOD-WATER2016-05-QT4

Tot Ion: 99 Resp: 2230373

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.3  | 20.0  | 30.0# |
| 71  | 34.7  | 27.9  | 41.9  |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.29 min Scan# 521

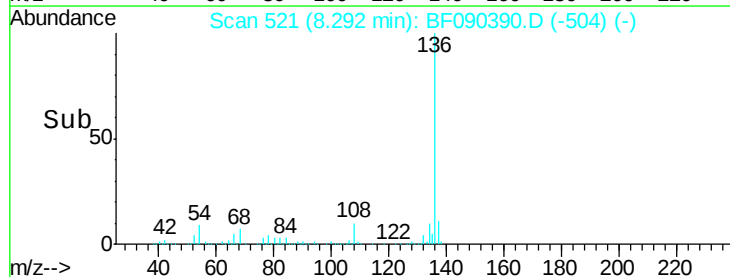
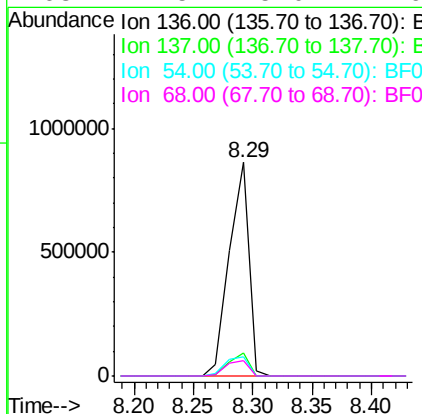
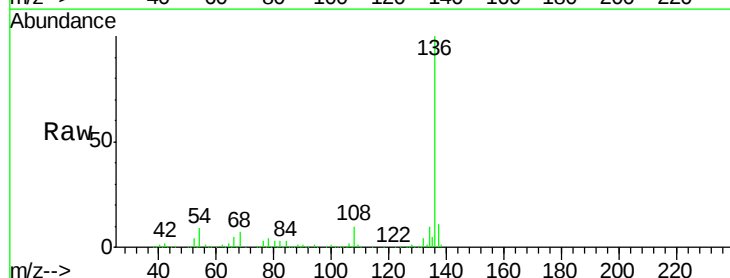
Delta R.T. -0.00 min

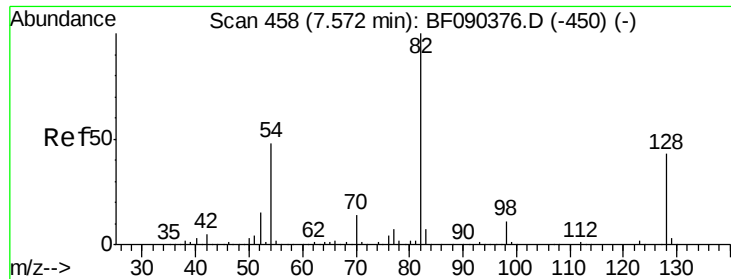
Lab File: BF090390.D

Acq: 5 Oct 2016 20:07

Tgt Ion: 136 Resp: 983602

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 9.0   | 13.6  |
| 54  | 8.8   | 6.6   | 10.0  |
| 68  | 7.5   | 5.0   | 7.6   |

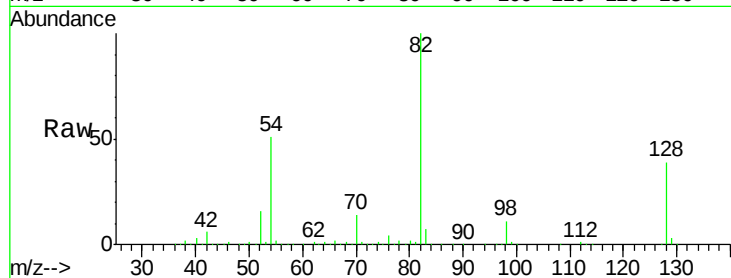




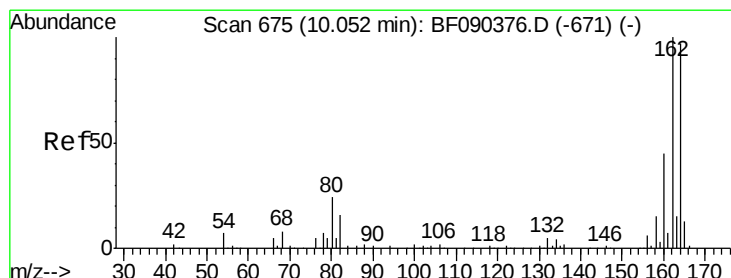
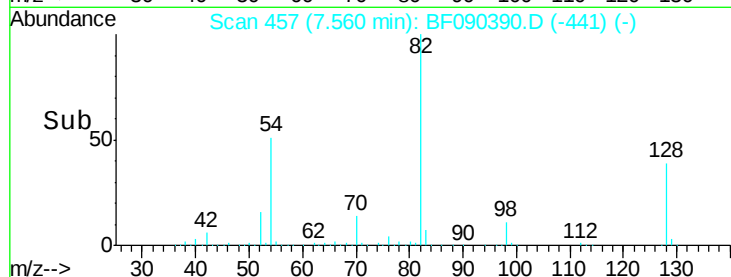
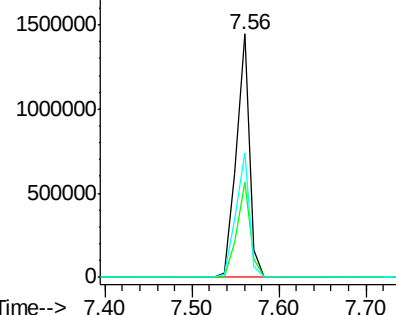
#23  
 Nitrobenzene-d5  
 Concen: 76.71 ng  
 RT: 7.56 min Scan# 457  
 Delta R.T. -0.01 min  
 Lab File: BF090390.D  
 Acq: 5 Oct 2016 20:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-WATER2016-05-QT4

Tot Ion: 82 Resp: 1551176  
 Ion Ratio Lower Upper  
 82 100  
 128 39.1 40.0 60.0#  
 54 51.3 42.6 64.0

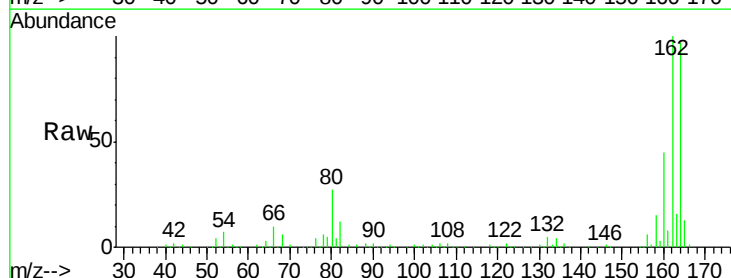


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

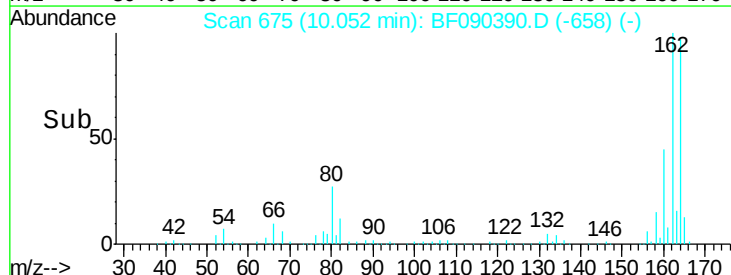
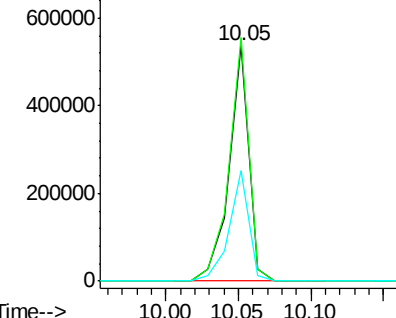


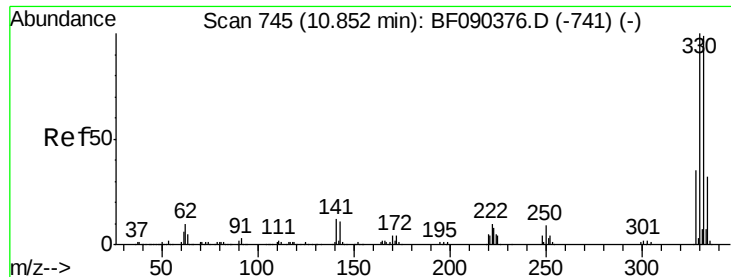
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.05 min Scan# 675  
 Delta R.T. -0.00 min  
 Lab File: BF090390.D  
 Acq: 5 Oct 2016 20:07

Tgt Ion:164 Resp: 505151  
 Ion Ratio Lower Upper  
 164 100  
 162 103.3 80.1 120.1  
 160 46.9 36.3 54.5



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

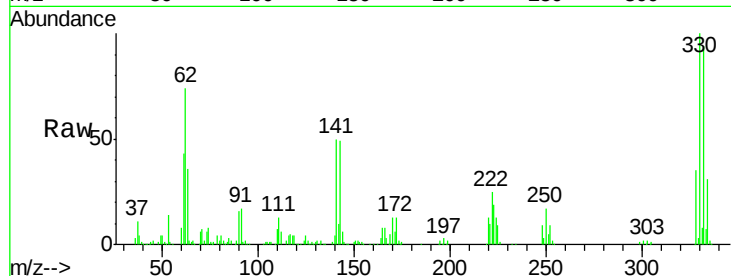




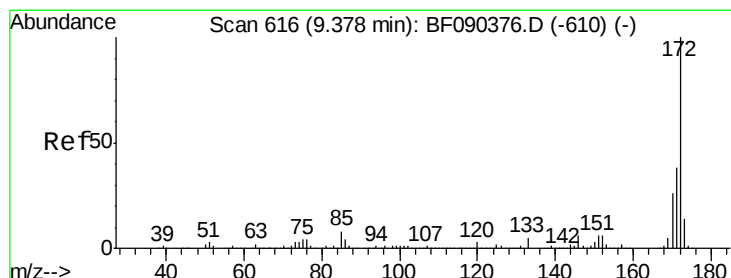
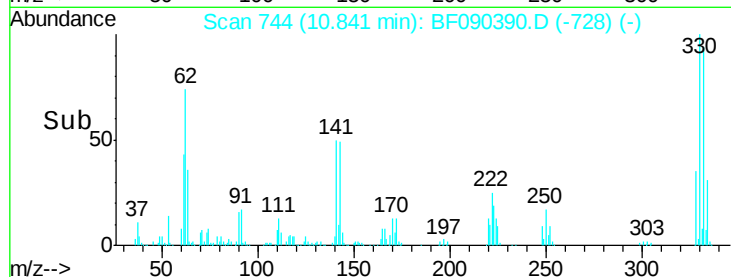
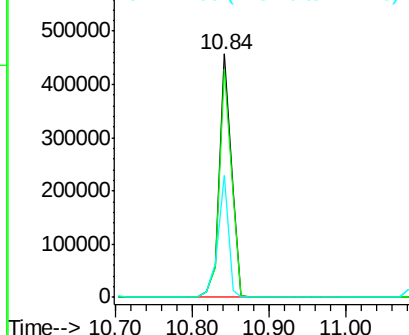
#41  
 2,4,6-Tribromophenol  
 Concen: 122.65 ng  
 RT: 10.84 min Scan# 744  
 Delta R.T. -0.01 min  
 Lab File: BF090390.D  
 Acq: 5 Oct 2016 20:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-WATER2016-05-QT4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.0  | 75.4  | 113.0 |
| 141     | 43.6  | 26.9  | 40.3# |

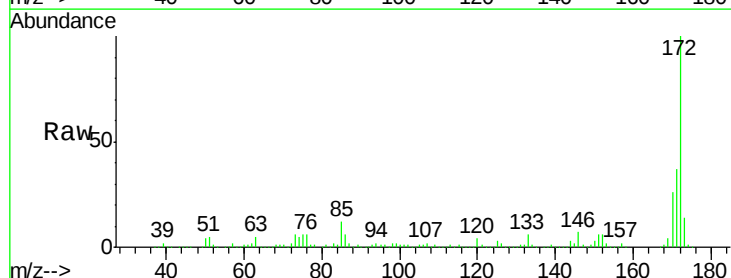


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

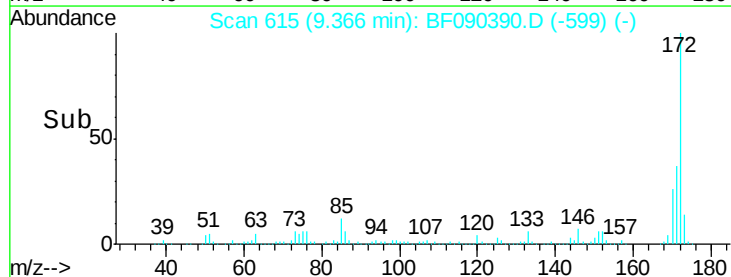
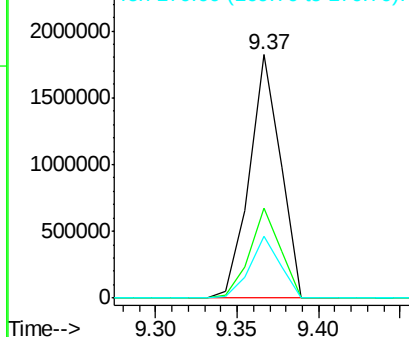


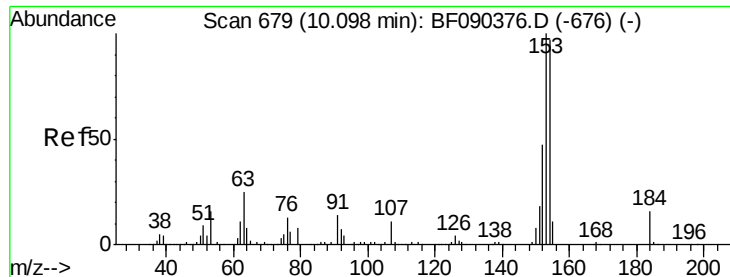
#44  
 2-Fluorobiphenyl  
 Concen: 79.60 ng  
 RT: 9.37 min Scan# 615  
 Delta R.T. -0.01 min  
 Lab File: BF090390.D  
 Acq: 5 Oct 2016 20:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 31.8  | 47.8  |
| 170     | 25.5  | 21.7  | 32.5  |



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

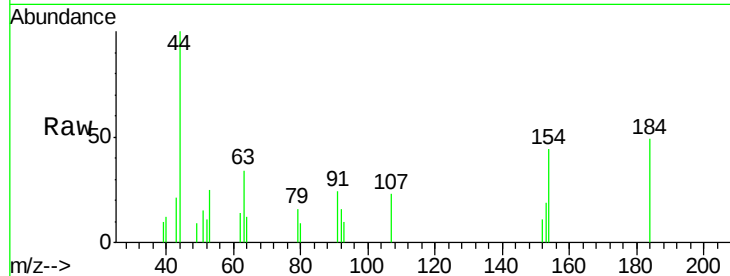




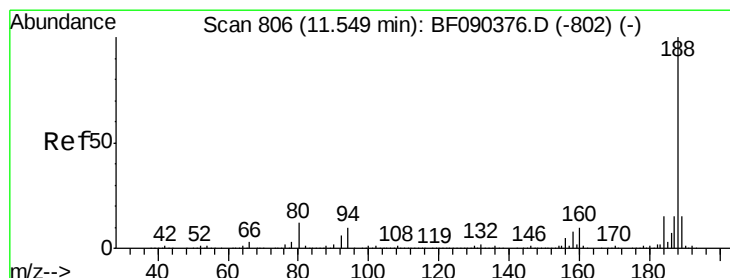
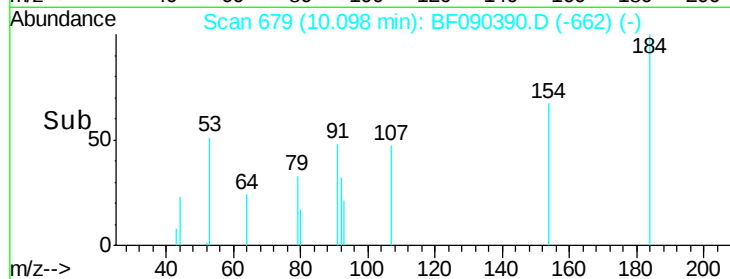
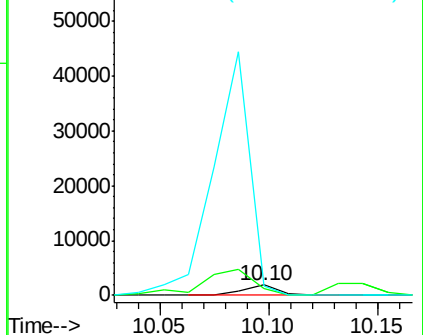
#53  
2,4-Dinitrophenol  
Concen: 0.63 ng  
RT: 10.10 min Scan# 679  
Delta R.T. -0.00 min  
Lab File: BF090390.D  
Acq: 5 Oct 2016 20:07

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-WATER2016-05-QT4

Tot Ion:184 Resp: 2014  
Ion Ratio Lower Upper  
184 100  
63 69.6 41.9 62.9#  
154 88.7 48.9 73.3#

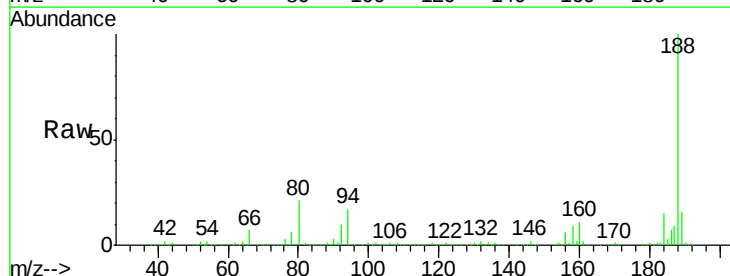


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

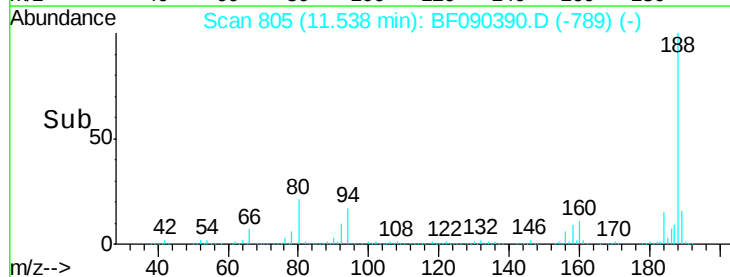
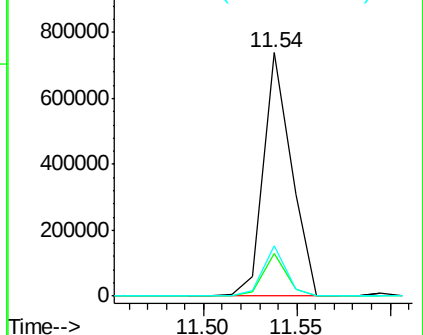


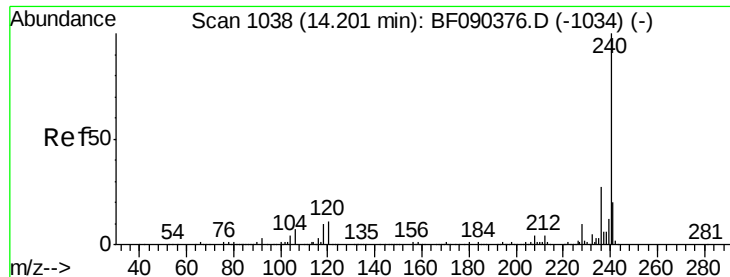
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.54 min Scan# 805  
Delta R.T. -0.01 min  
Lab File: BF090390.D  
Acq: 5 Oct 2016 20:07

Tgt Ion:188 Resp: 763877  
Ion Ratio Lower Upper  
188 100  
94 17.3 8.2 12.2#  
80 20.6 8.8 13.2#



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: 14.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF090390.D

Acq: 5 Oct 2016 20:07

Instrument :

BNA\_F

ClientSampleId :

LOD-WATER2016-05-QT4

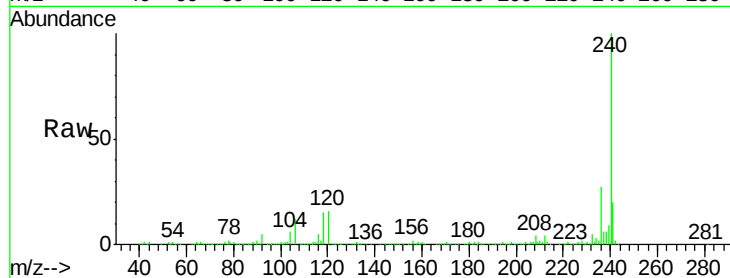
Tot Ion:240 Resp: 658606

Ion Ratio Lower Upper

240 100

120 16.4 8.6 13.0#

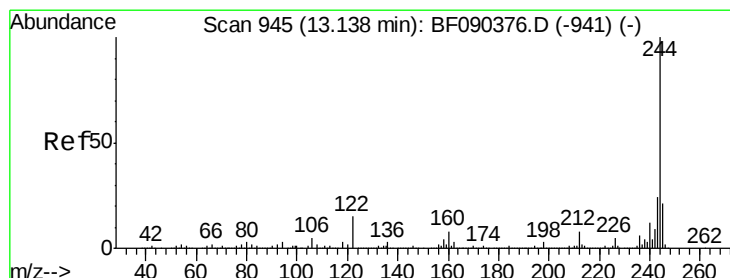
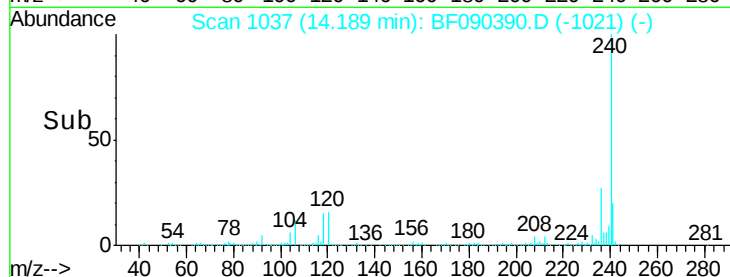
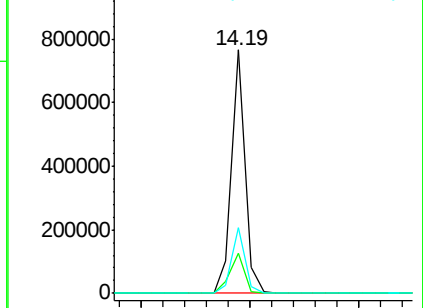
236 27.1 21.6 32.4



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: 84.66 ng

RT: 13.14 min Scan# 945

Delta R.T. -0.00 min

Lab File: BF090390.D

Acq: 5 Oct 2016 20:07

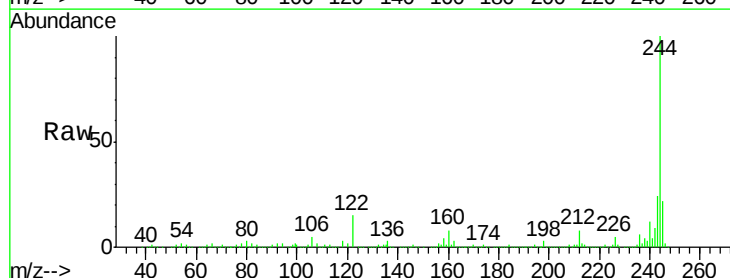
Tgt Ion:244 Resp: 2480067

Ion Ratio Lower Upper

244 100

212 8.0 6.8 10.2

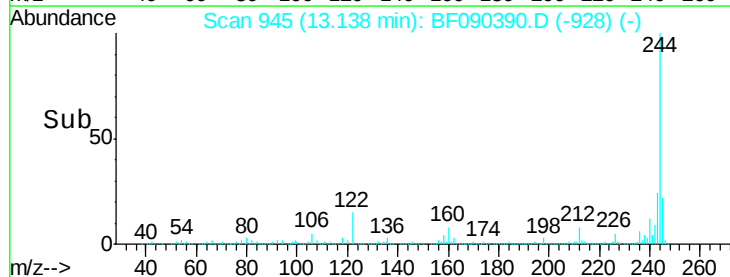
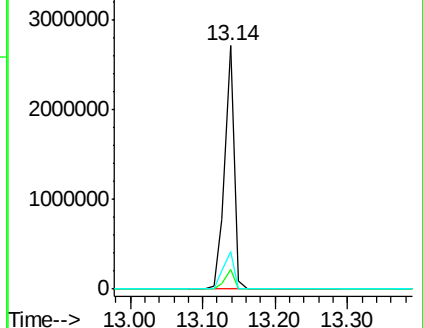
122 15.3 13.3 19.9

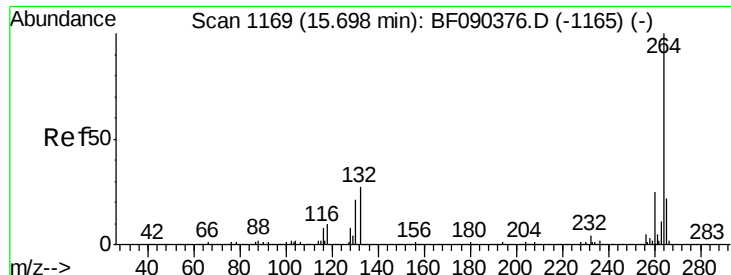


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

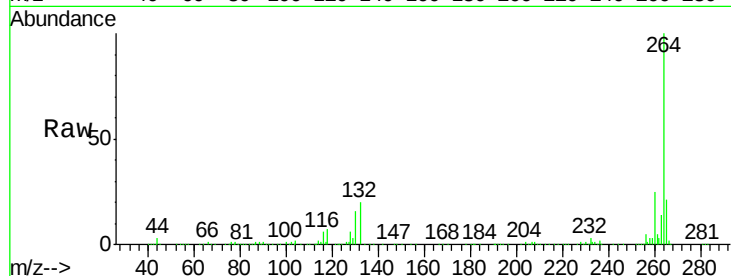




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.70 min Scan# 1169  
Delta R.T. -0.00 min  
Lab File: BF090390.D  
Acq: 5 Oct 2016 20:07

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-WATER2016-05-QT4

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.1  | 19.3  | 28.9  |
| 265     | 21.1  | 17.4  | 26.0  |



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

