

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\  
 Data File : BF104189.D  
 Acq On : 3 Apr 2018 19:45  
 Operator : JU/SJ  
 Sample : J2182-20  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ES-8-WATER-LATERAL-1-NW@3.5

Quant Time: Apr 04 01:27:11 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 03 15:22:43 2018  
 Response via : Initial Calibration

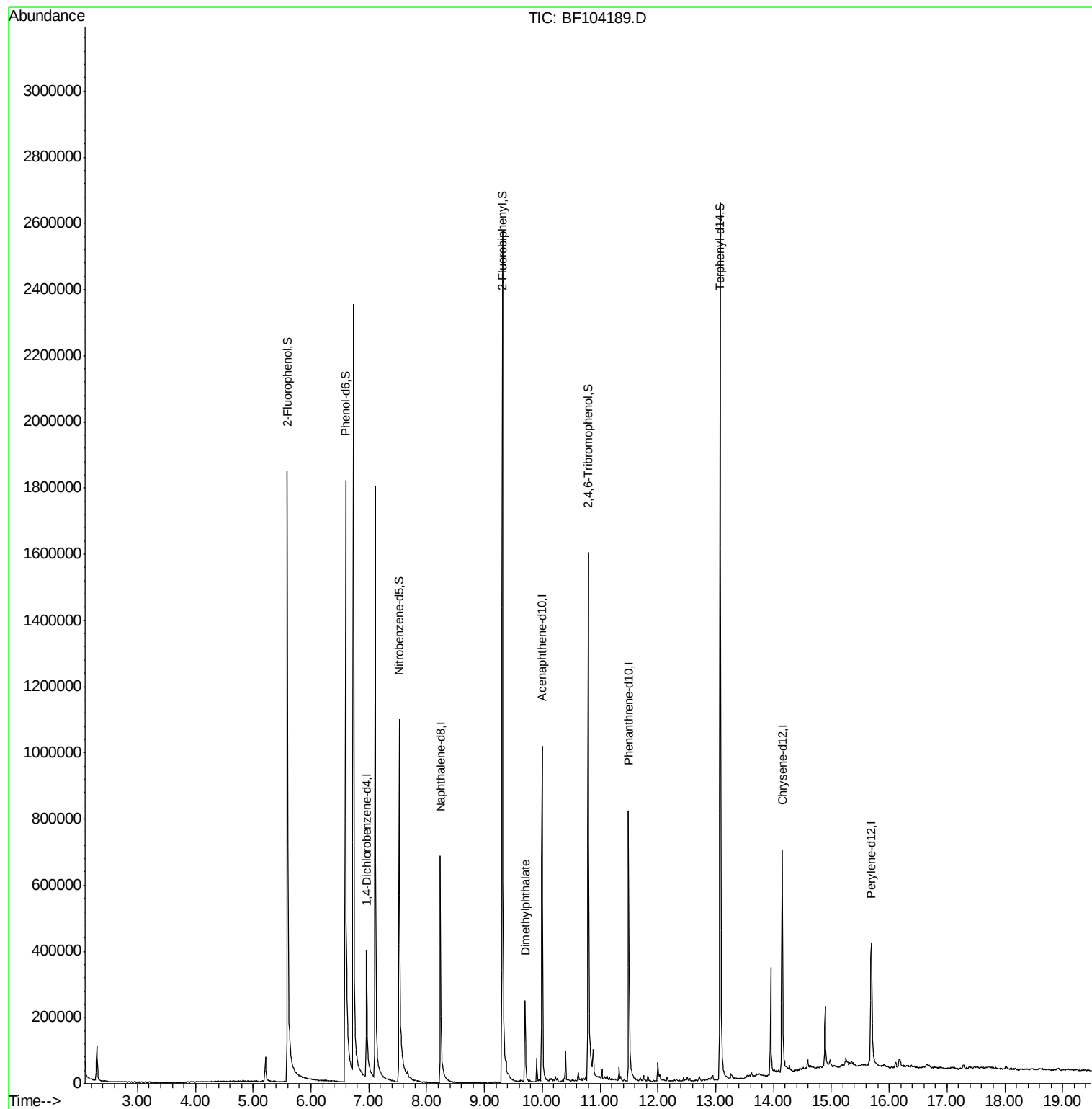
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.96  | 152  | 109769   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 468966   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.00 | 164  | 225542   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.49 | 188  | 431374   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.15 | 240  | 318283   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.69 | 264  | 244290   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 839586   | 121.98 | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 1093809  | 129.16 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 650506   | 84.83  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 305646   | 121.70 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 1041911  | 72.85  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.08 | 244  | 1098785  | 79.71  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 49) Dimethylphthalate       | 9.70  | 163  | 130079   | 7.305  | ng    | 99       |

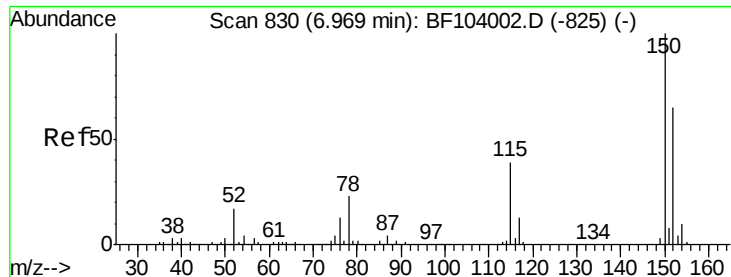
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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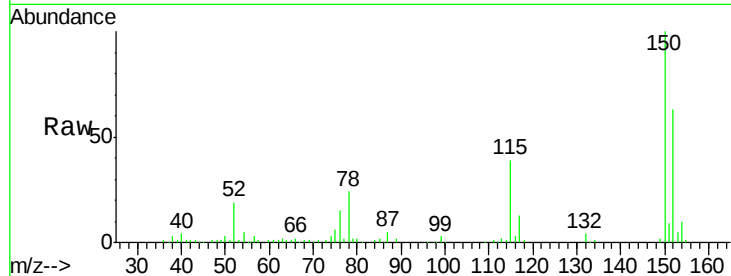


#1

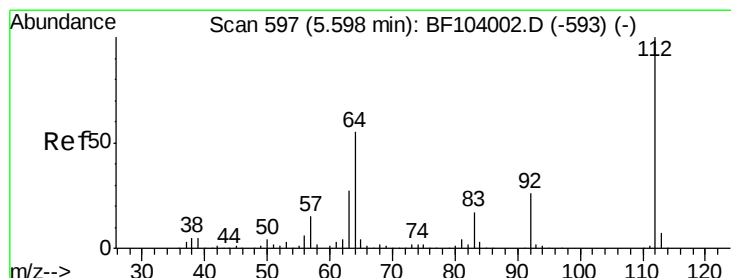
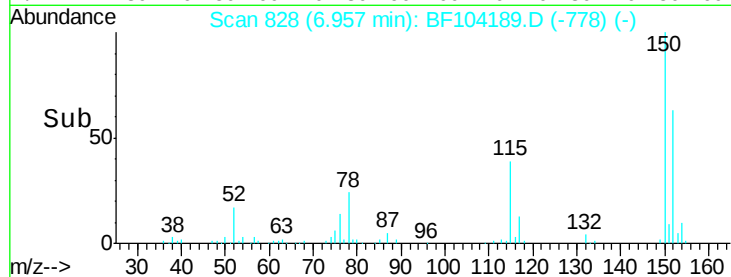
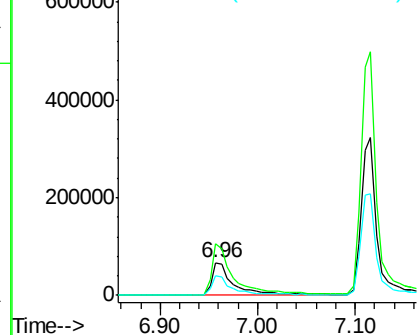
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 828  
Delta R.T. -0.01 min  
Lab File: BF104189.D  
Acq: 3 Apr 2018 19:45

Instrument :  
BNA\_F  
ClientSampleId :  
ES-8-WATER-LATERAL-1-NW@3.5

Tot Ion:152 Resp: 109769  
Ion Ratio Lower Upper  
152 100  
150 158.7 124.6 186.8  
115 62.3 50.1 75.1



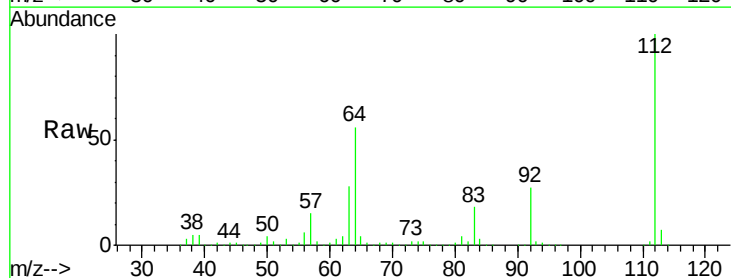
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



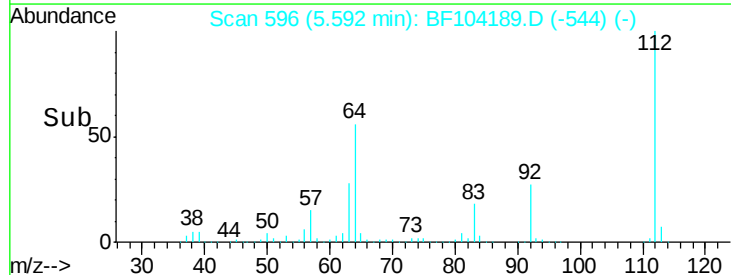
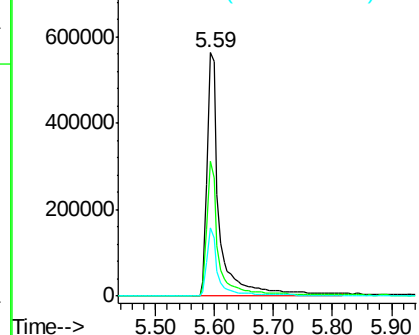
#5

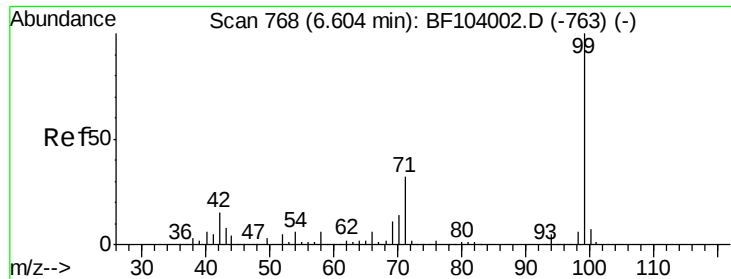
2-Fluorophenol  
Concen: 121.977 ng  
RT: 5.59 min Scan# 596  
Delta R.T. 0.01 min  
Lab File: BF104189.D  
Acq: 3 Apr 2018 19:45

Tgt Ion:112 Resp: 839586  
Ion Ratio Lower Upper  
112 100  
64 55.5 47.9 71.9  
63 28.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 129.164 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF104189.D

Acq: 3 Apr 2018 19:45

Instrument :

BNA\_F

ClientSampleId :

ES-8-WATER-LATERAL-1-NW@3.5

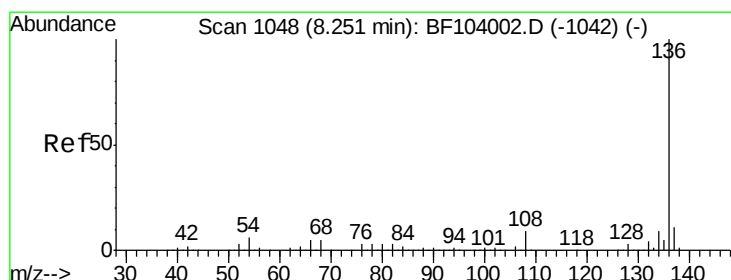
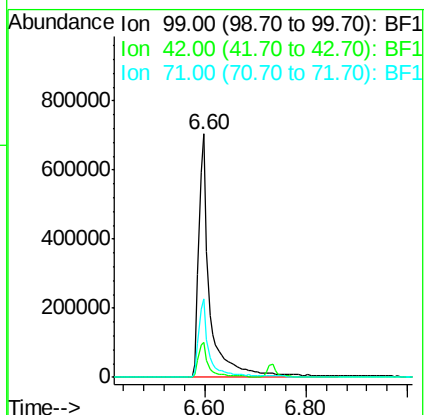
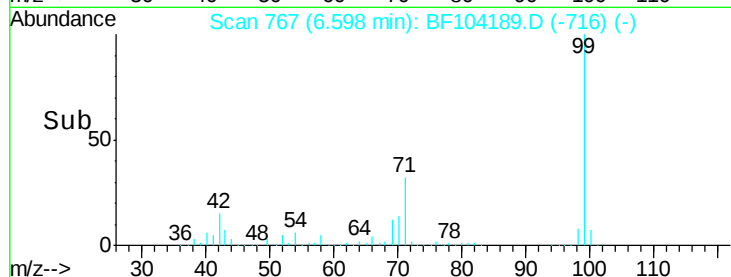
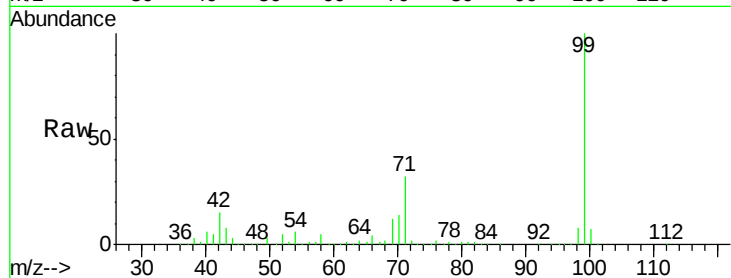
Tot Ion: 99 Resp: 1093809

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

71 32.4 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF104189.D

Acq: 3 Apr 2018 19:45

Tgt Ion: 136 Resp: 468966

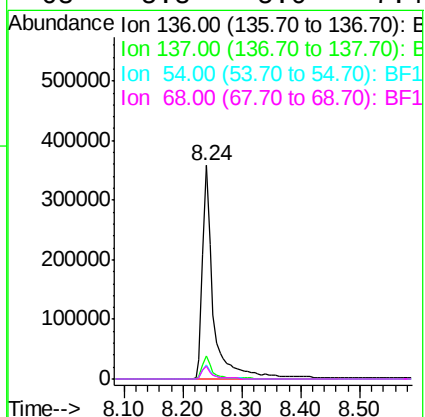
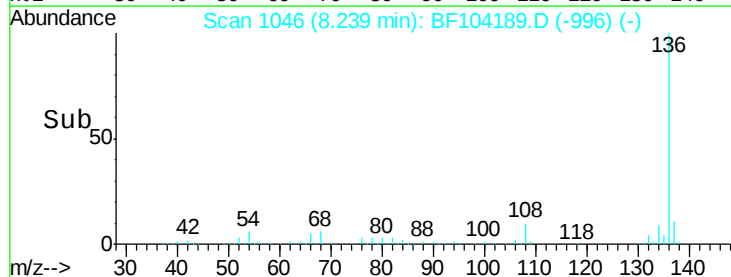
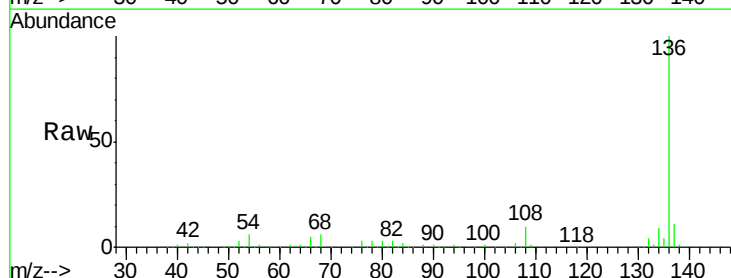
Ion Ratio Lower Upper

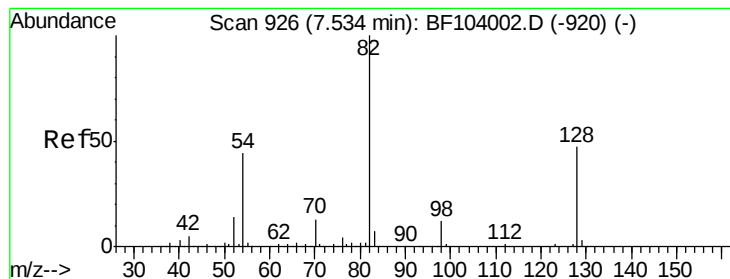
136 100

137 10.9 8.9 13.3

54 6.5 6.6 9.8#

68 5.8 5.0 7.4





#23

Nitrobenzene-d5

Concen: 84.829 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF104189.D

Acq: 3 Apr 2018 19:45

Instrument :

BNA\_F

ClientSampleId :

ES-8-WATER-LATERAL-1-NW@3.5

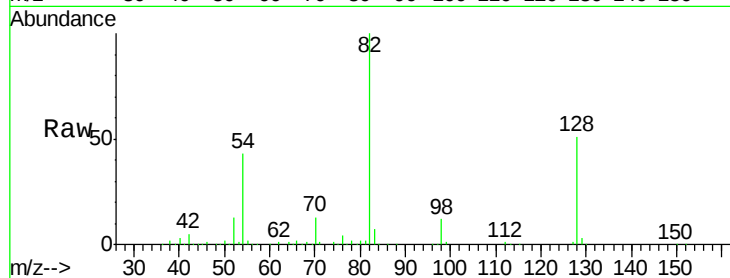
Tot Ion: 82 Resp: 650506

Ion Ratio Lower Upper

82 100

128 51.1 36.1 54.1

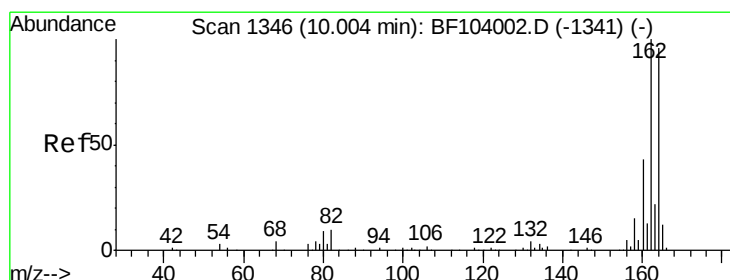
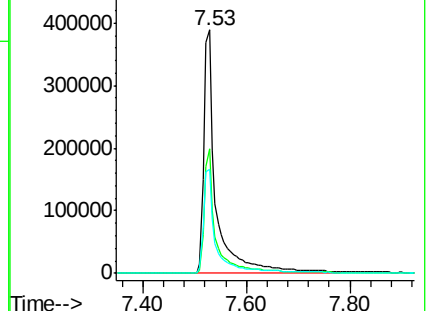
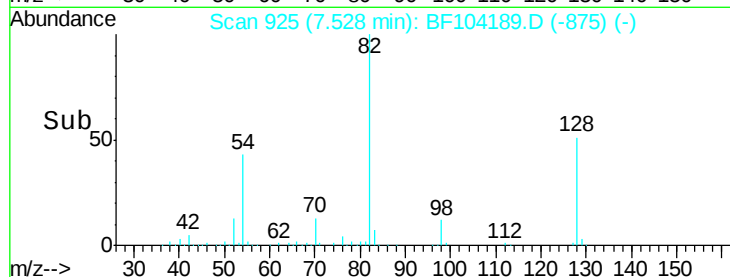
54 43.0 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.01 min

Lab File: BF104189.D

Acq: 3 Apr 2018 19:45

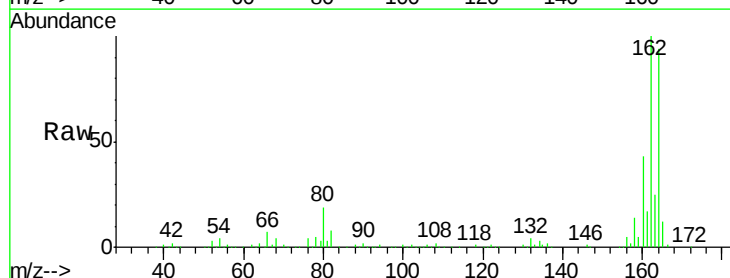
Tgt Ion:164 Resp: 225542

Ion Ratio Lower Upper

164 100

162 106.3 86.1 129.1

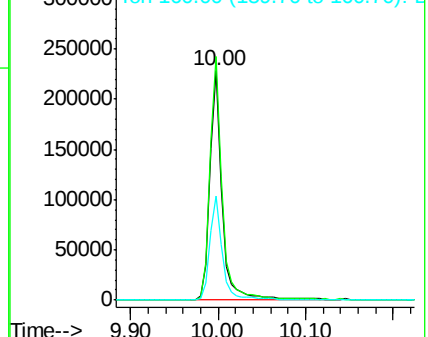
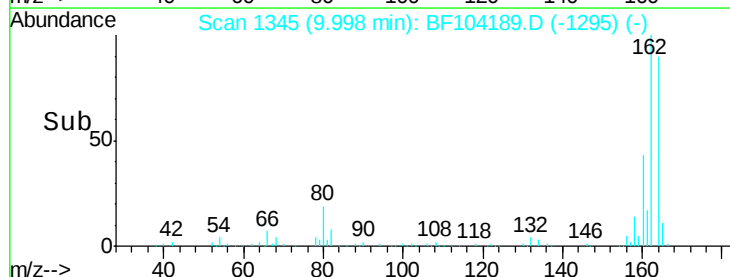
160 45.5 38.3 57.5

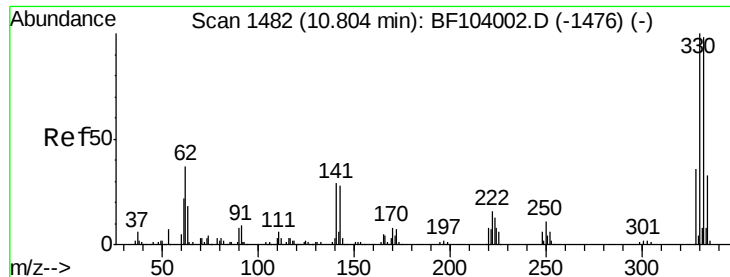


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

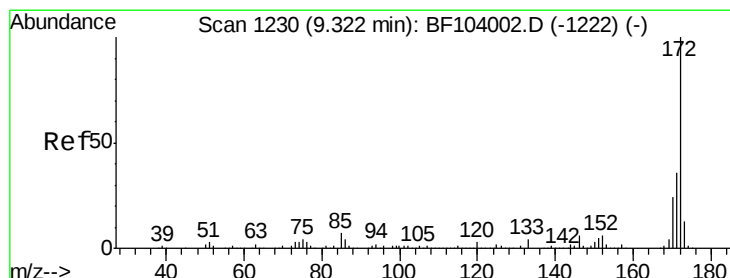
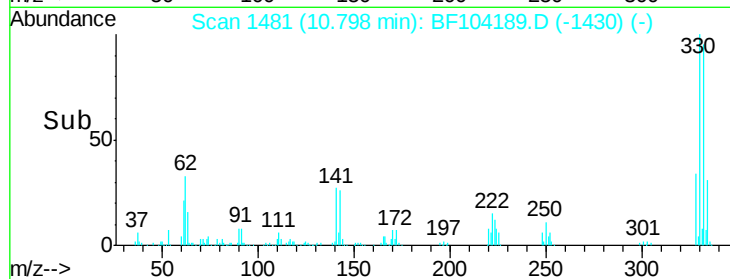
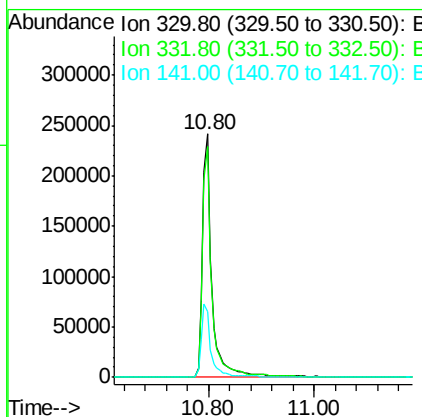
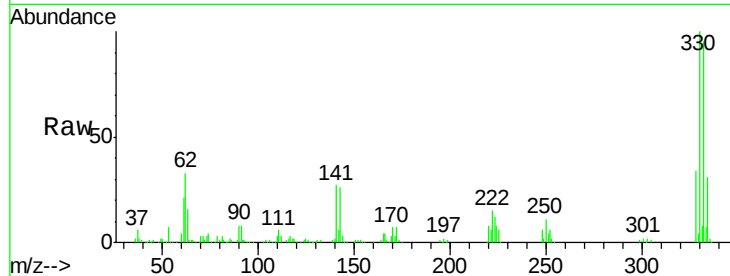




#41  
 2,4,6-Tribromophenol  
 Concen: 121.703 ng  
 RT: 10.80 min Scan# 1481  
 Delta R.T. -0.00 min  
 Lab File: BF104189.D  
 Acq: 3 Apr 2018 19:45

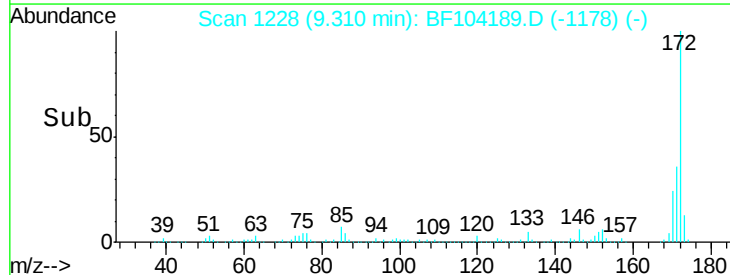
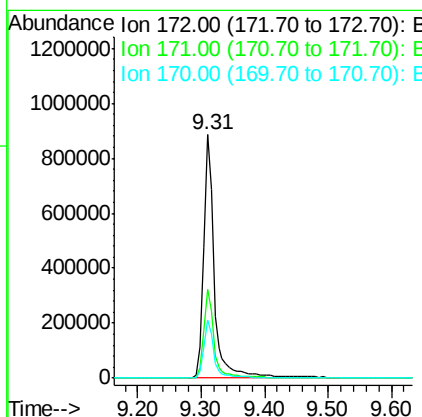
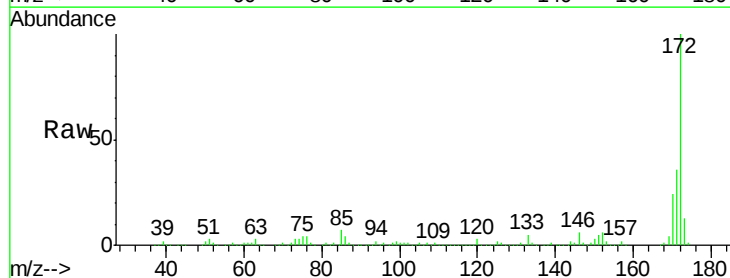
Instrument :  
 BNA\_F  
 ClientSampleId :  
 ES-8-WATER-LATERAL-1-NW@3.5

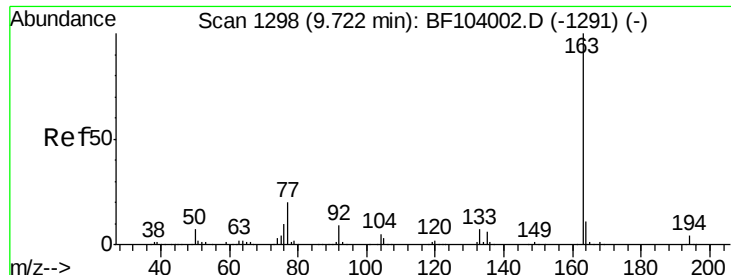
Tot Ion:330 Resp: 305646  
 Ion Ratio Lower Upper  
 330 100  
 332 94.1 77.0 115.6  
 141 31.6 29.9 44.9



#44  
 2-Fluorobiphenyl  
 Concen: 72.847 ng  
 RT: 9.31 min Scan# 1228  
 Delta R.T. -0.01 min  
 Lab File: BF104189.D  
 Acq: 3 Apr 2018 19:45

Tgt Ion:172 Resp: 1041911  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.7 44.5  
 170 23.8 19.6 29.4

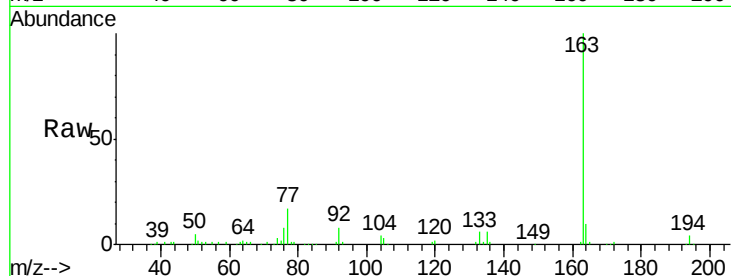




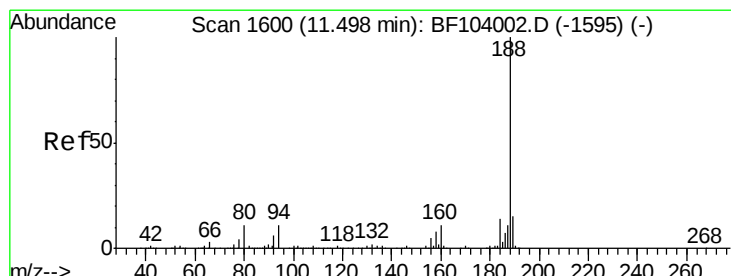
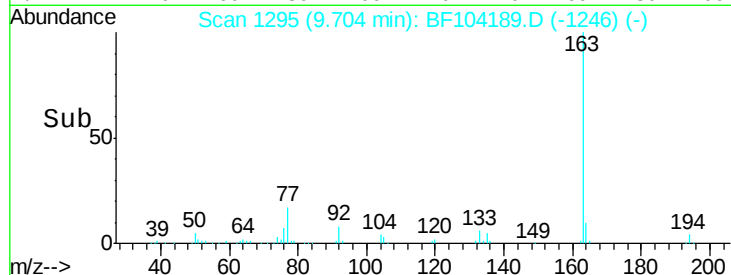
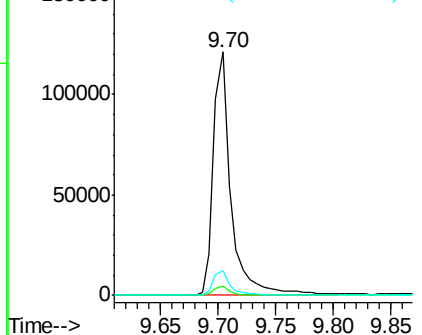
#49  
Dimethylphthalate  
Concen: 7.305 ng  
RT: 9.70 min Scan# 1295  
Delta R.T. -0.01 min  
Lab File: BF104189.D  
Acq: 3 Apr 2018 19:45

Instrument :  
BNA\_F  
ClientSampleId :  
ES-8-WATER-LATERAL-1-NW@3.5

Tot Ion:163 Resp: 130079  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.7 4.1  
164 10.0 8.2 12.2

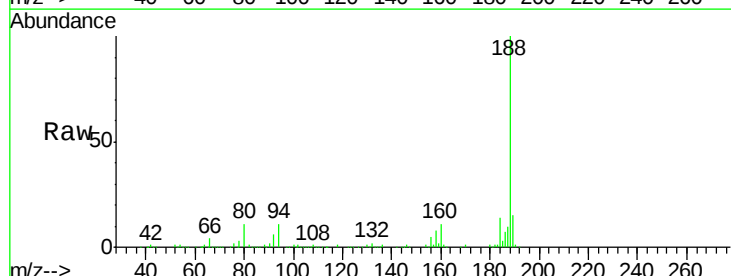


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

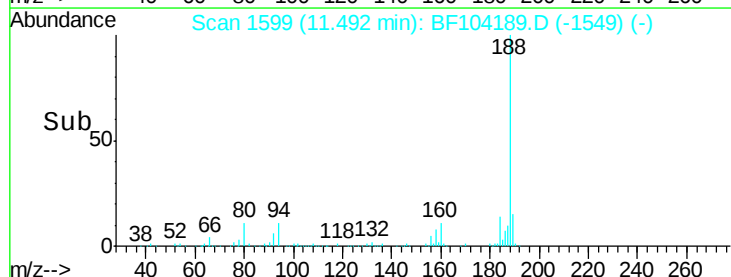
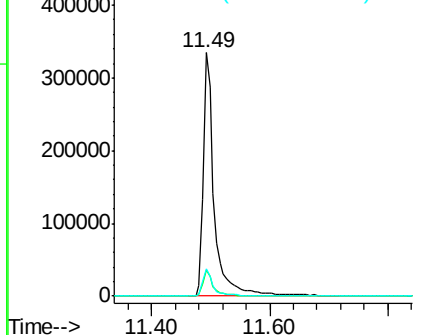


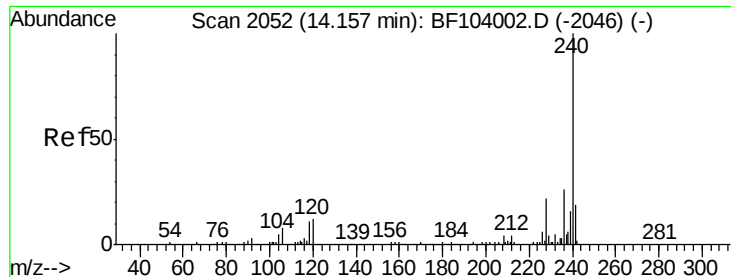
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1599  
Delta R.T. -0.01 min  
Lab File: BF104189.D  
Acq: 3 Apr 2018 19:45

Tgt Ion:188 Resp: 431374  
Ion Ratio Lower Upper  
188 100  
94 10.5 8.5 12.7  
80 11.2 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF104189.D

Acq: 3 Apr 2018 19:45

Instrument :

BNA\_F

ClientSampleId :

ES-8-WATER-LATERAL-1-NW@3.5

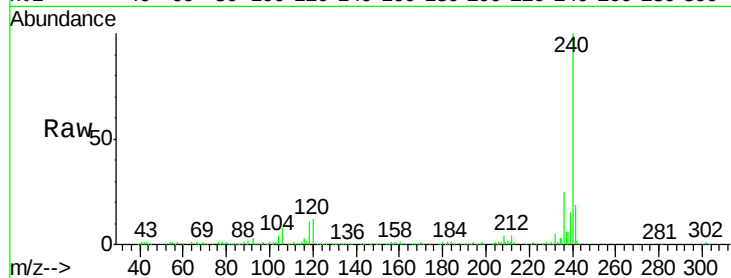
Tot Ion:240 Resp: 318283

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

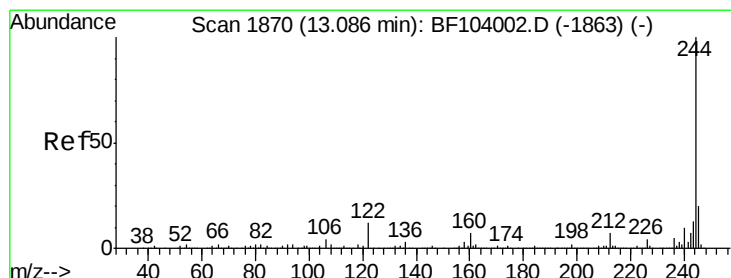
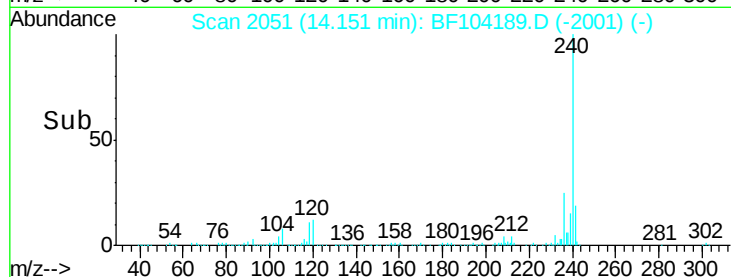
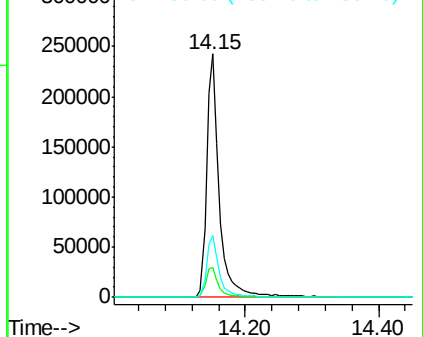
236 25.3 20.7 31.1



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: 79.710 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BF104189.D

Acq: 3 Apr 2018 19:45

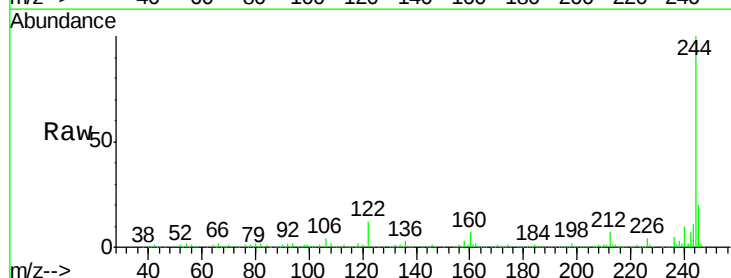
Tgt Ion:244 Resp: 1098785

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

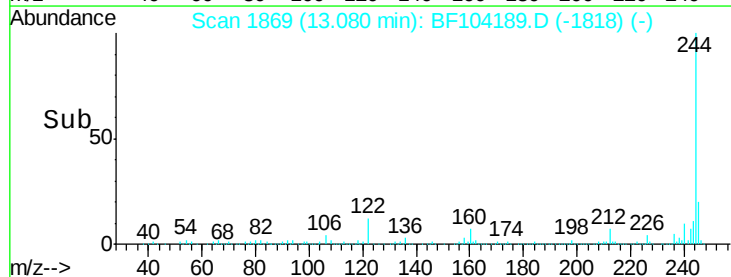
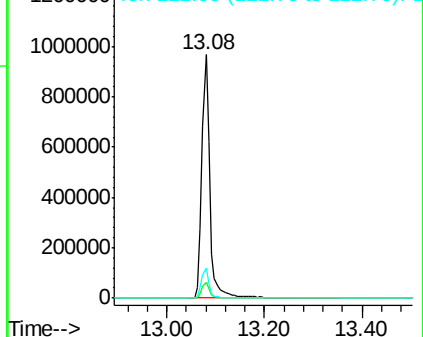
122 12.1 11.0 16.4

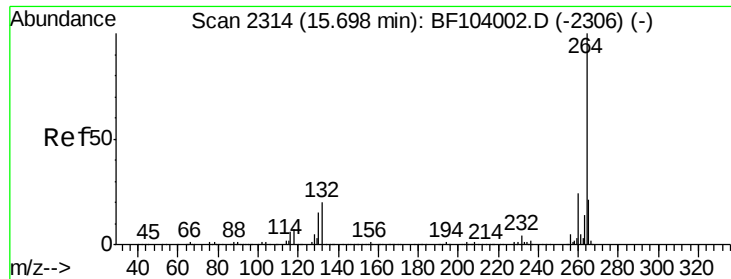


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

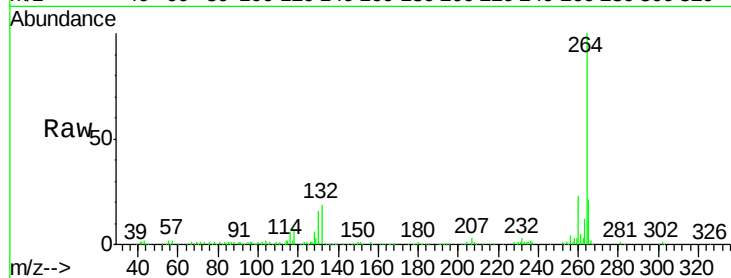




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.69 min Scan# 2313  
 Delta R.T. -0.01 min  
 Lab File: BF104189.D  
 Acq: 3 Apr 2018 19:45

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ES-8-WATER-LATERAL-1-NW@3.5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.9  | 19.2  | 28.8  |
| 265     | 21.2  | 17.5  | 26.3  |



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

