

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\  
 Data File : BF093848.D  
 Acq On : 22 Mar 2017 22:35  
 Operator : SJ/MA  
 Sample : I2296-05  
 Misc : LOD 8 PPB  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-WATER-05-QT2-2017

Quant Time: Mar 23 14:04:17 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 23 02:02:22 2017  
 Response via : Initial Calibration

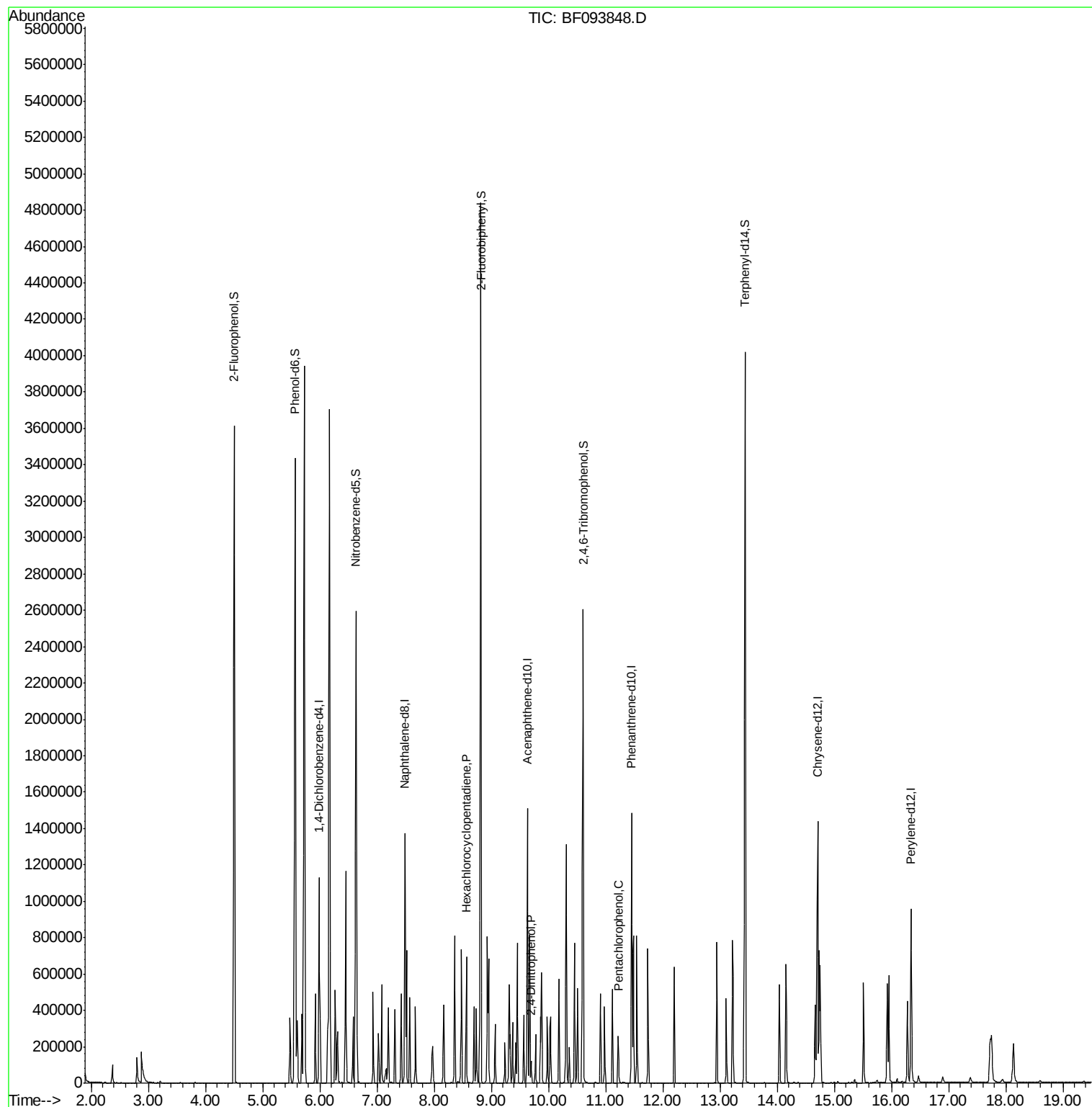
| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 5.99  | 152  | 176122   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 7.49  | 136  | 725225   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 9.63  | 164  | 332205   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10          | 11.46 | 188  | 574874   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12              | 14.71 | 240  | 488373   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12              | 16.34 | 264  | 395065   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 4.50  | 112  | 1384038  | 132.73 | ng    | 0.00     |
| 7) Phenol-d6                  | 5.57  | 99   | 1681446  | 130.35 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 6.63  | 82   | 1138553  | 89.59  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol      | 10.60 | 330  | 352888   | 134.43 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl          | 8.82  | 172  | 1956051  | 89.81  | ng    | 0.00     |
| 78) Terphenyl-d14             | 13.44 | 244  | 1687385  | 77.45  | ng    | 0.00     |
| Target Compounds              |       |      |          |        |       |          |
| 40) Hexachlorocyclopentadiene | 8.56  | 237  | 37280    | 8.77   | ng    | 97       |
| 53) 2,4-Dinitrophenol         | 9.70  | 184  | 12243    | 8.64   | ng    | # 79     |
| 69) Pentachlorophenol         | 11.22 | 266  | 27794    | 7.80   | ng    | 98       |

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

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Response via : Initial Calibration



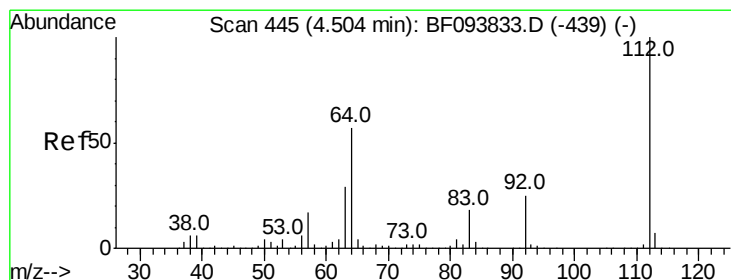
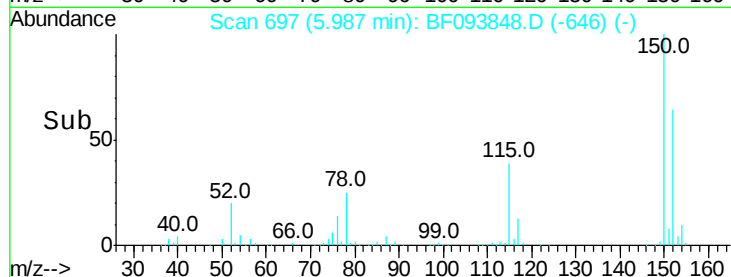
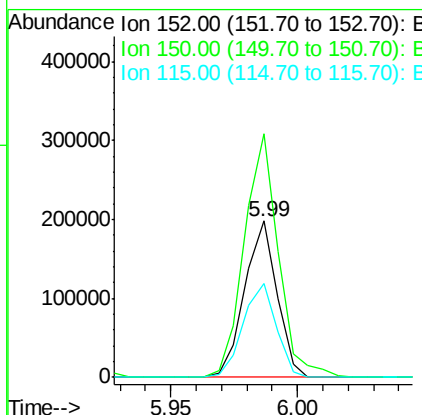
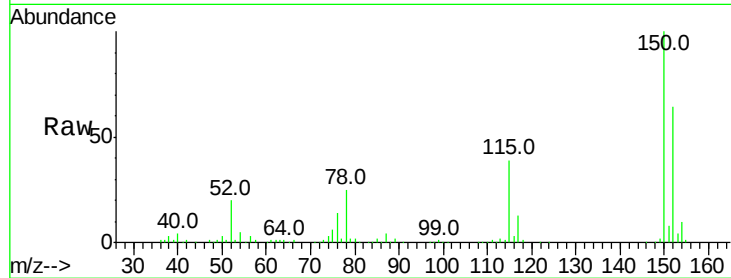


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.99 min Scan# 697  
Delta R.T. 0.00 min  
Lab File: BF093848.D  
Acq: 22 Mar 2017 22:35

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-WATER-05-QT2-2017

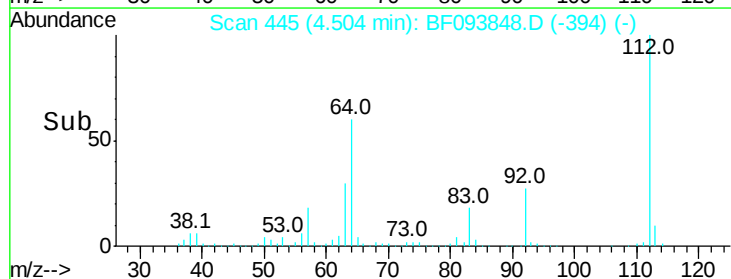
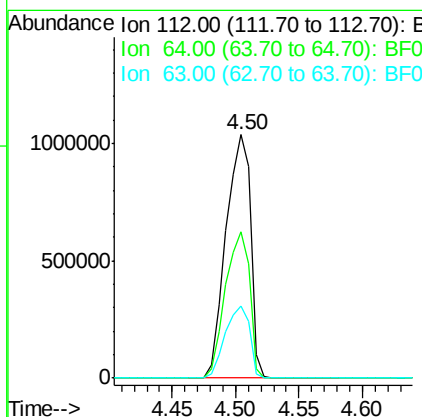
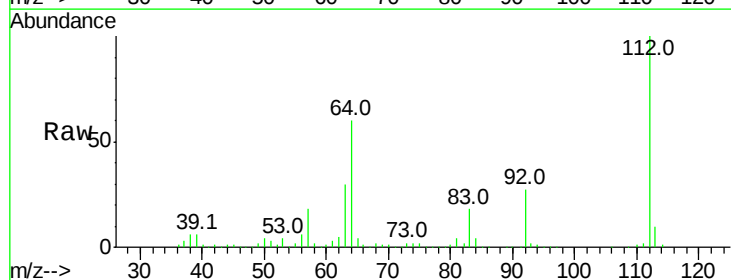
Tot Ion:152 Resp: 176122  
Ion Ratio Lower Upper  
152 100  
150 156.1 126.2 189.2  
115 60.2 52.2 78.2



#5

2-Fluorophenol  
Concen: 132.73 ng  
RT: 4.50 min Scan# 445  
Delta R.T. 0.00 min  
Lab File: BF093848.D  
Acq: 22 Mar 2017 22:35

Tgt Ion:112 Resp: 1384038  
Ion Ratio Lower Upper  
112 100  
64 60.3 46.0 69.0  
63 29.8 23.4 35.0





#7

Phenol-d6

Concen: 130.35 ng

RT: 5.57 min Scan# 626

Delta R.T. 0.00 min

Lab File: BF093848.D

Acq: 22 Mar 2017 22:35

Instrument :

BNA\_F

ClientSampleId :

LOD-WATER-05-QT2-2017

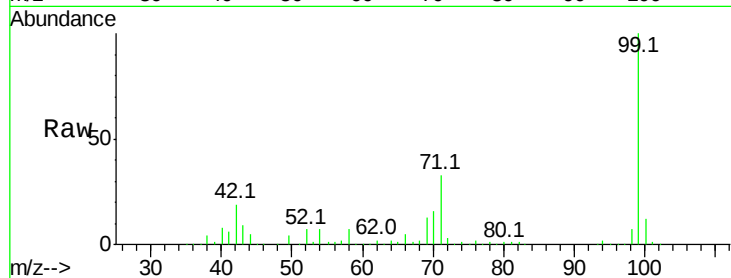
Tot Ion: 99 Resp: 1681446

Ion Ratio Lower Upper

99 100

42 19.1 13.5 20.3

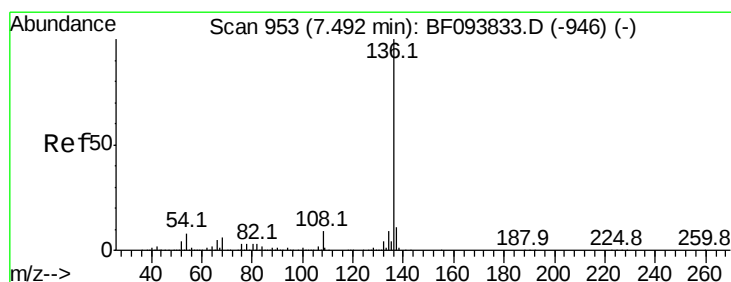
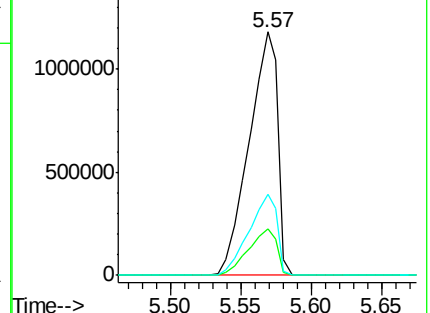
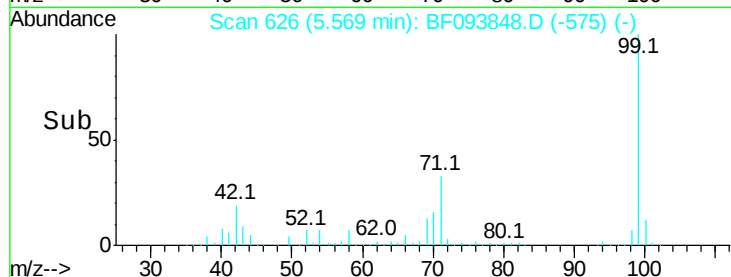
71 33.2 24.5 36.7



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: 7.49 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF093848.D

Acq: 22 Mar 2017 22:35

Tgt Ion:136 Resp: 725225

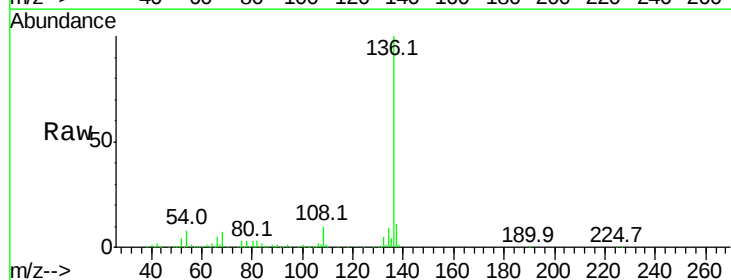
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 8.2 4.9 7.3#

68 6.6 4.1 6.1#

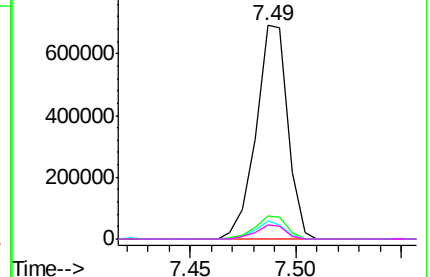
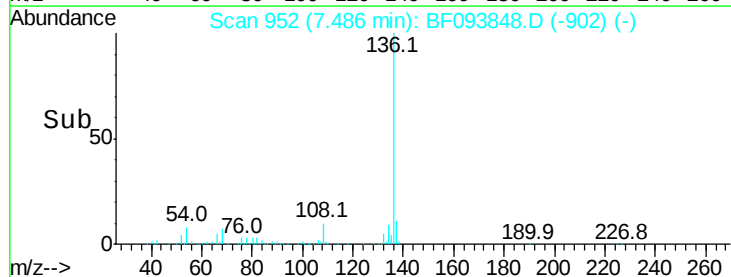


Abundance Ion 136.00 (135.70 to 136.70): E

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

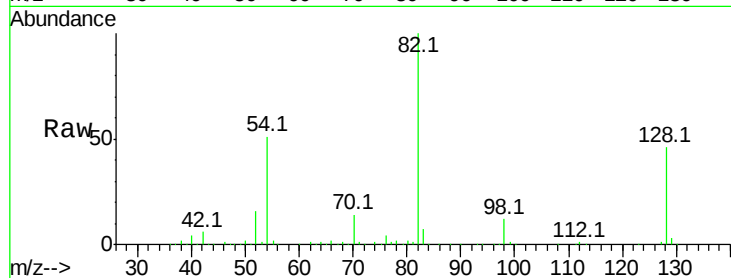




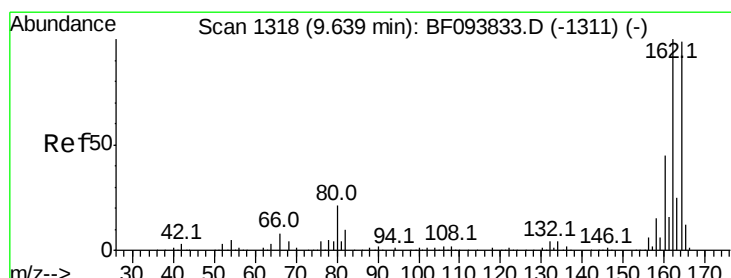
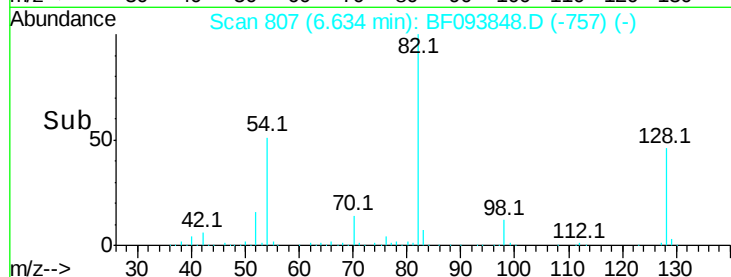
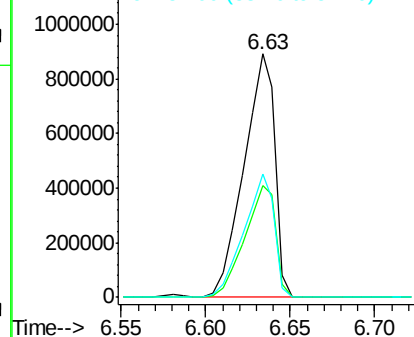
#23  
Nitrobenzene-d5  
Concen: 89.59 ng  
RT: 6.63 min Scan# 807  
Delta R.T. -0.01 min  
Lab File: BF093848.D  
Acq: 22 Mar 2017 22:35

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-WATER-05-QT2-2017

Tot Ion: 82 Resp: 1138553  
Ion Ratio Lower Upper  
82 100  
128 45.7 34.0 51.0  
54 50.8 42.2 63.2

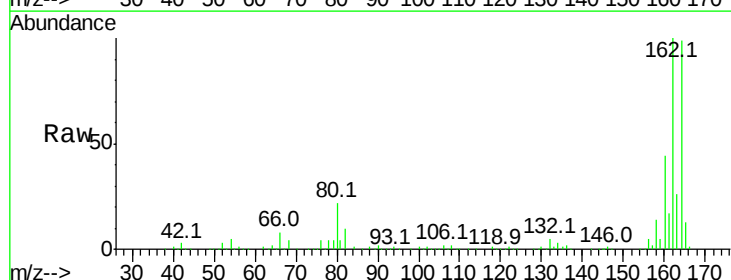


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

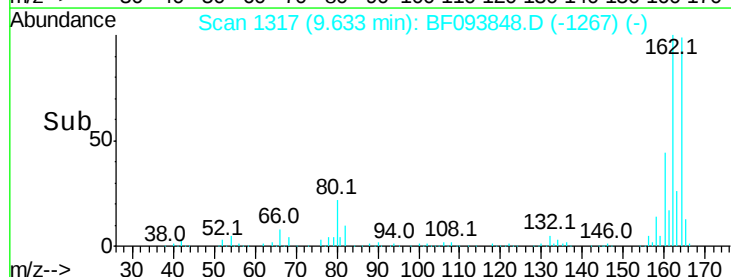
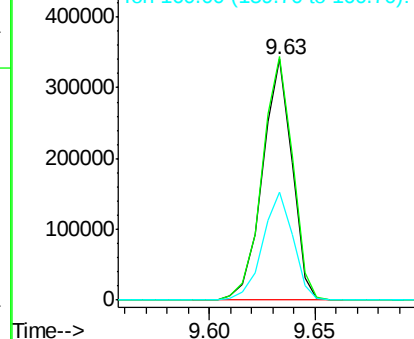


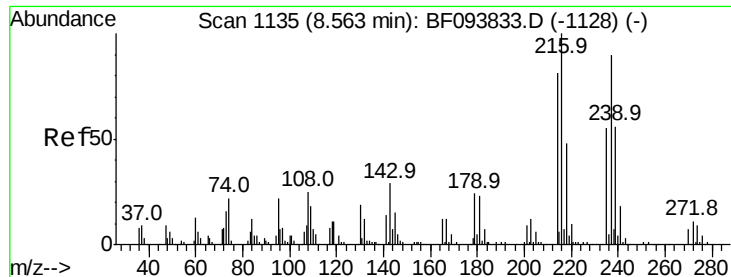
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.63 min Scan# 1317  
Delta R.T. -0.01 min  
Lab File: BF093848.D  
Acq: 22 Mar 2017 22:35

Tgt Ion:164 Resp: 332205  
Ion Ratio Lower Upper  
164 100  
162 101.2 82.6 123.8  
160 45.0 36.2 54.2



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

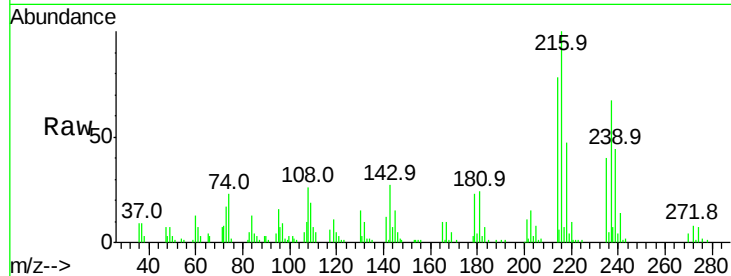




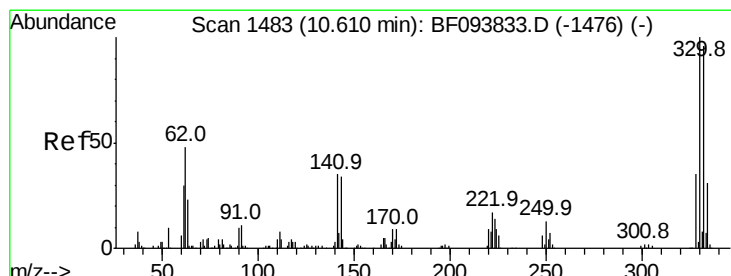
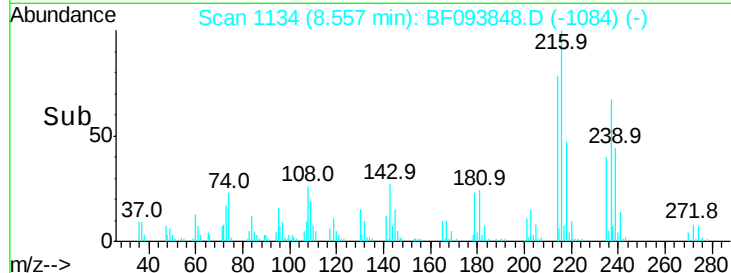
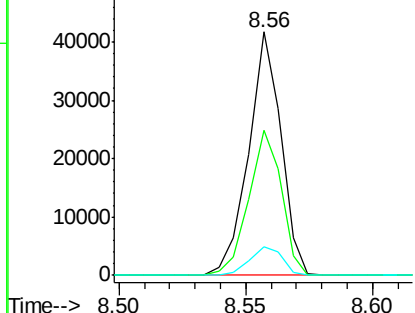
#40  
Hexachlorocyclopentadiene  
Concen: 8.77 ng  
RT: 8.56 min Scan# 1134  
Delta R.T. -0.01 min  
Lab File: BF093848.D  
Acq: 22 Mar 2017 22:35

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-WATER-05-QT2-2017

Tot Ion:237 Resp: 37280  
Ion Ratio Lower Upper  
237 100  
235 59.6 42.6 82.6  
272 11.9 0.0 31.9

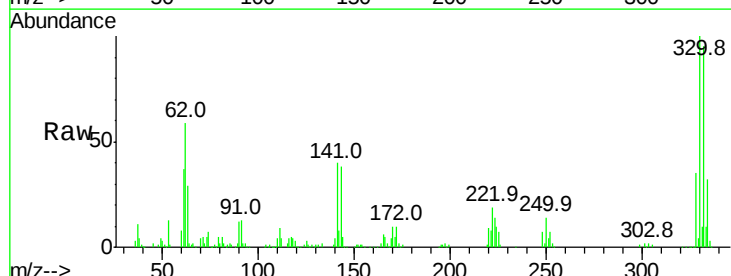


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

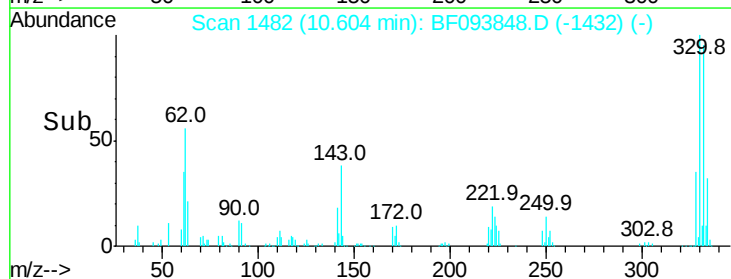
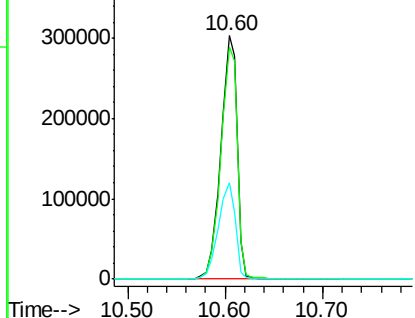


#41  
2,4,6-Tribromophenol  
Concen: 134.43 ng  
RT: 10.60 min Scan# 1482  
Delta R.T. -0.01 min  
Lab File: BF093848.D  
Acq: 22 Mar 2017 22:35

Tgt Ion:330 Resp: 352888  
Ion Ratio Lower Upper  
330 100  
332 96.2 76.6 115.0  
141 41.1 31.4 47.2



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



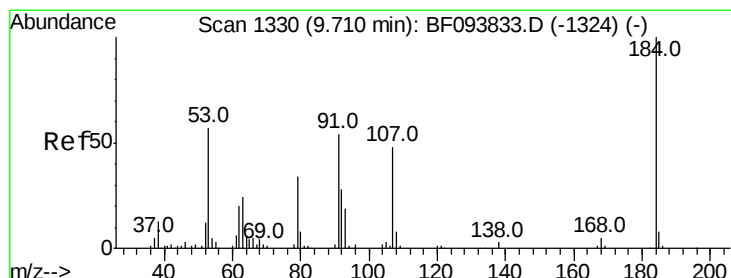
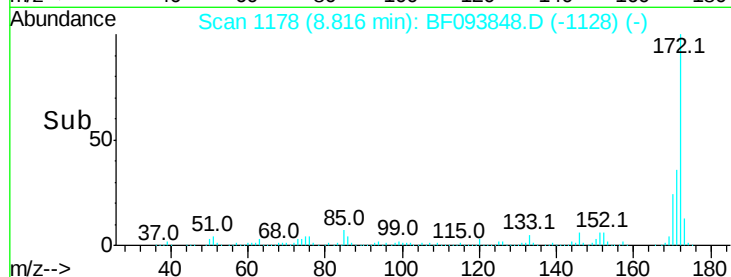
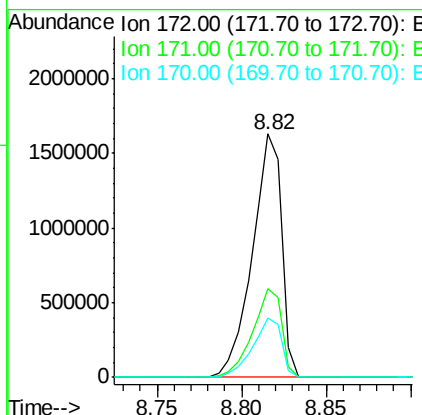
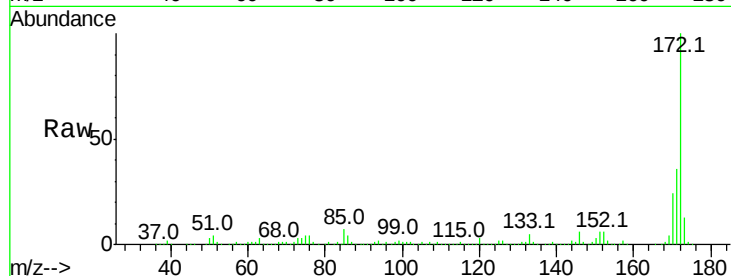


#44  
 2-Fluorobiphenyl  
 Concen: 89.81 ng  
 RT: 8.82 min Scan# 1178  
 Delta R.T. -0.01 min  
 Lab File: BF093848.D  
 Acq: 22 Mar 2017 22:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOD-WATER-05-QT2-2017

Tot Ion:172 Resp: 1956051  

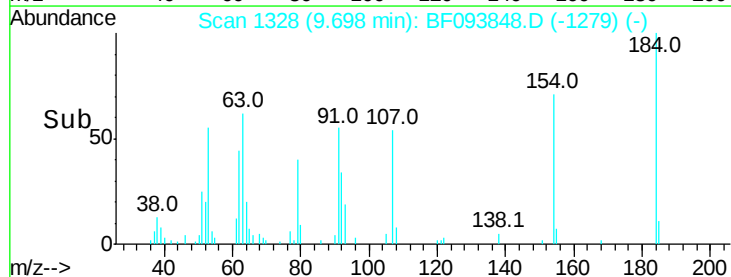
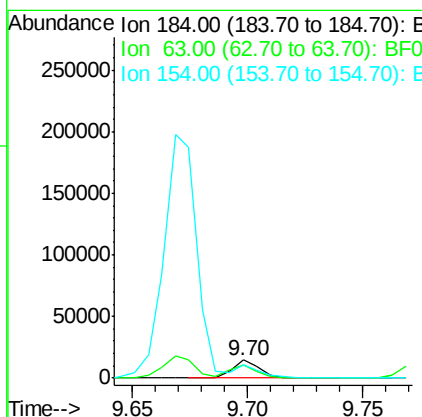
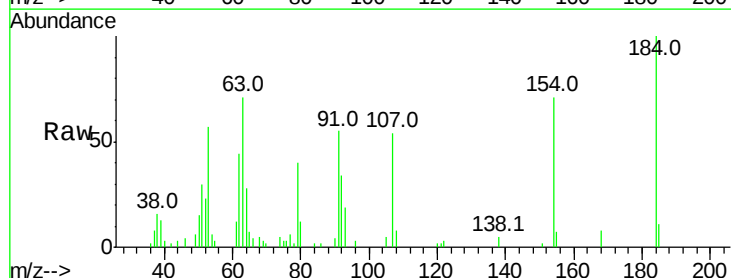
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.3  | 29.6  | 44.4  |
| 170 | 24.4  | 19.8  | 29.8  |

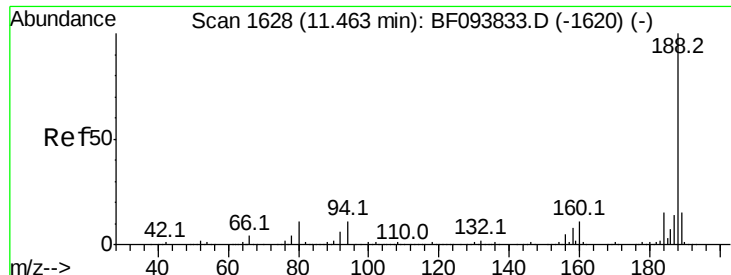


#53  
 2,4-Dinitrophenol  
 Concen: 8.64 ng  
 RT: 9.70 min Scan# 1328  
 Delta R.T. -0.01 min  
 Lab File: BF093848.D  
 Acq: 22 Mar 2017 22:35

Tgt Ion:184 Resp: 12243  

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 184 | 100   |       |        |
| 63  | 71.1  | 62.7  | 94.1   |
| 154 | 70.9  | 81.1  | 121.7# |

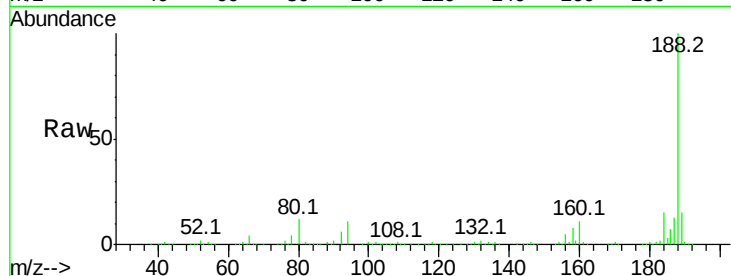




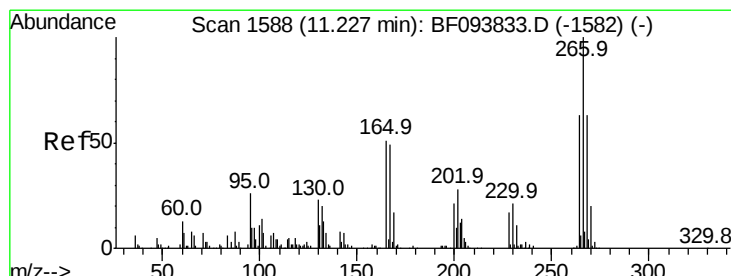
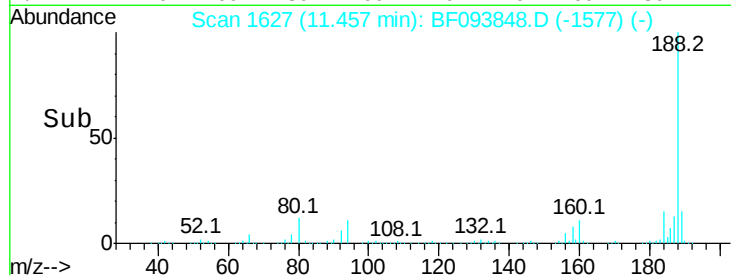
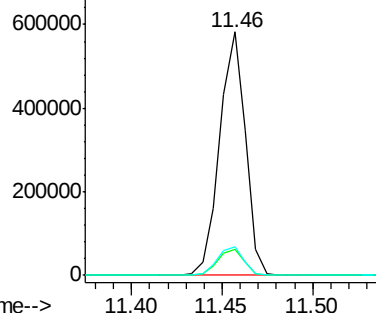
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.46 min Scan# 1627  
Delta R.T. -0.01 min  
Lab File: BF093848.D  
Acq: 22 Mar 2017 22:35

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-WATER-05-QT2-2017

Tot Ion:188 Resp: 574874  
Ion Ratio Lower Upper  
188 100  
94 10.8 9.4 14.2  
80 12.0 10.2 15.2

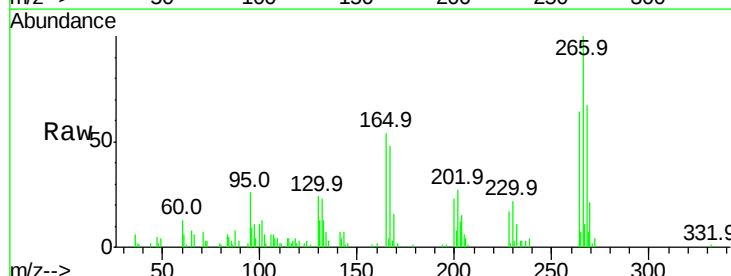


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

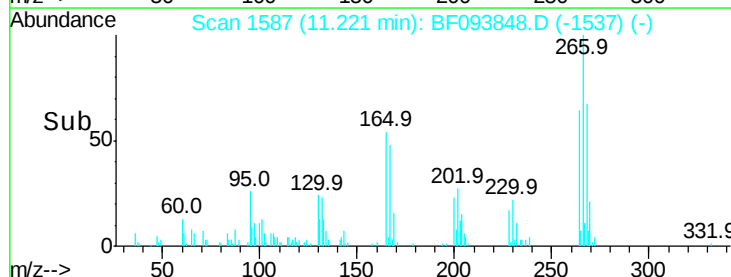
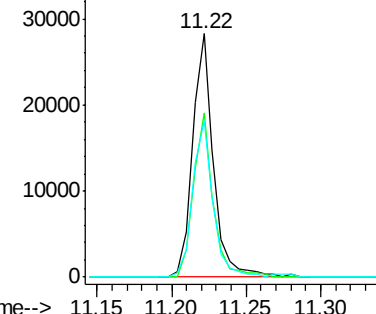


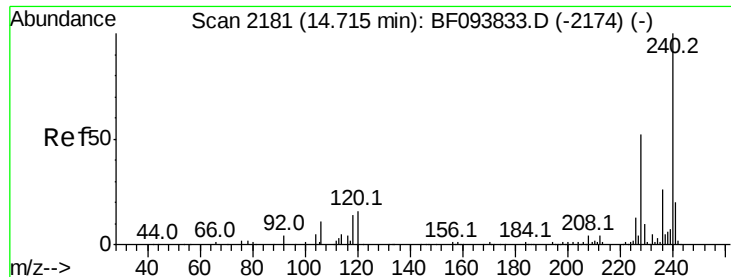
#69  
Pentachlorophenol  
Concen: 7.80 ng  
RT: 11.22 min Scan# 1587  
Delta R.T. -0.01 min  
Lab File: BF093848.D  
Acq: 22 Mar 2017 22:35

Tgt Ion:266 Resp: 27794  
Ion Ratio Lower Upper  
266 100  
268 67.3 51.1 76.7  
264 64.3 51.7 77.5



Abundance Ion 265.70 (265.40 to 266.40): E  
Ion 268.00 (267.70 to 268.70): E  
Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.71 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF093848.D

Acq: 22 Mar 2017 22:35

Instrument :

BNA\_F

ClientSampleId :

LOD-WATER-05-QT2-2017

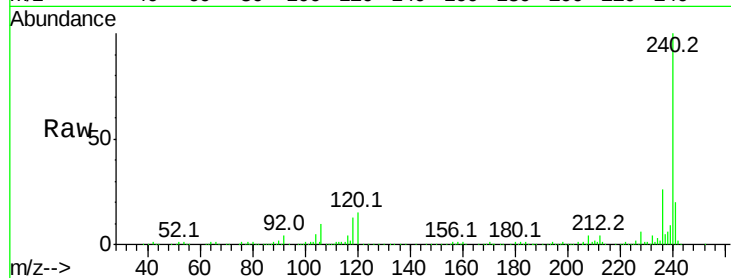
Tot Ion:240 Resp: 488373

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

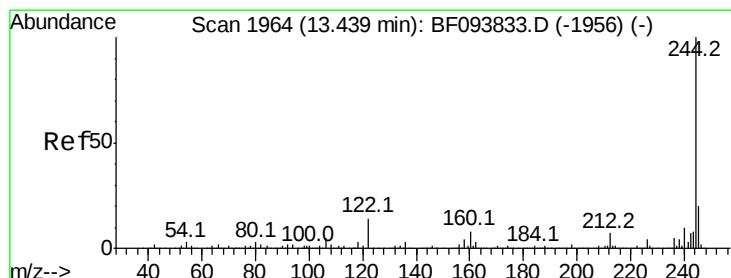
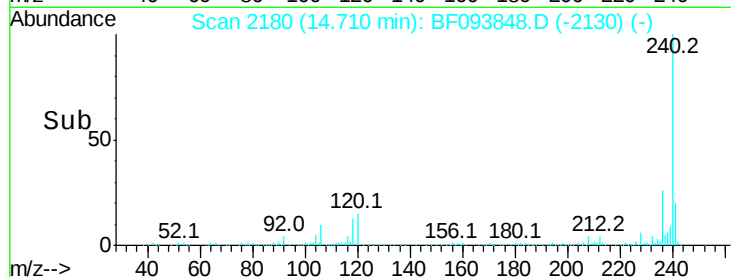
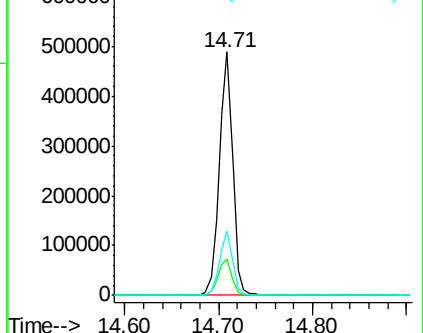
236 26.2 20.5 30.7



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: 77.45 ng

RT: 13.44 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BF093848.D

Acq: 22 Mar 2017 22:35

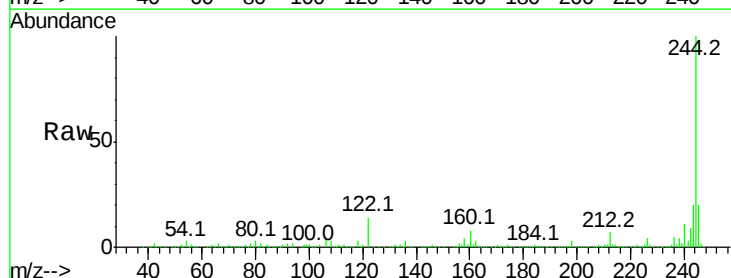
Tgt Ion:244 Resp: 1687385

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

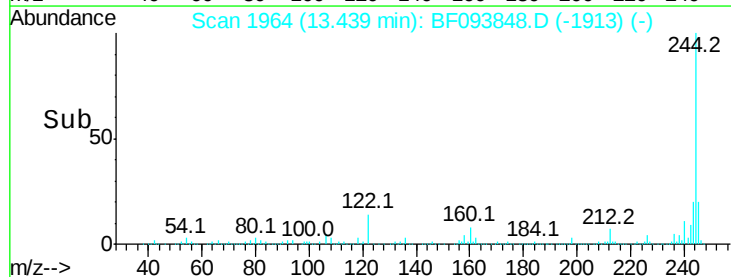
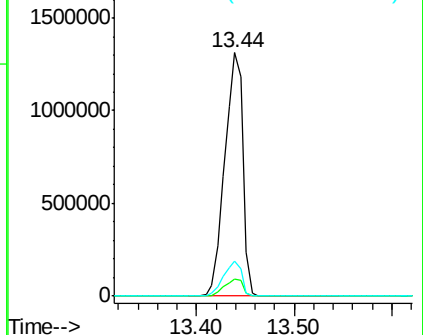
122 14.1 10.3 15.5

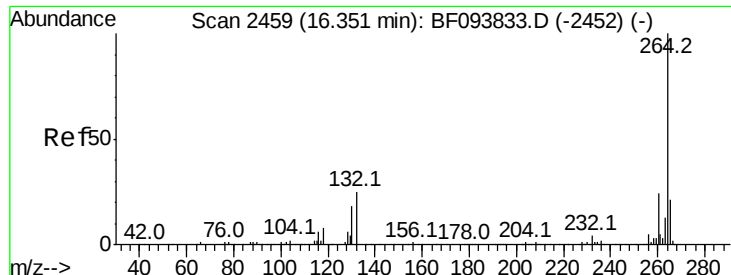


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

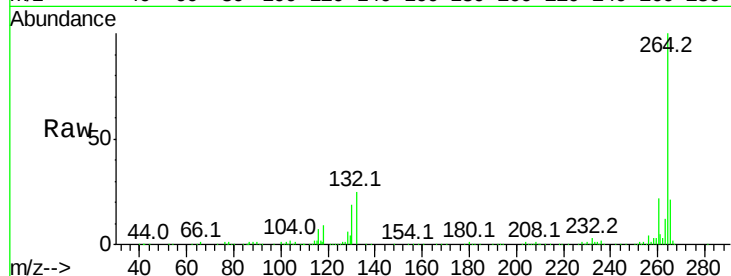




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 16.34 min Scan# 2458  
Delta R.T. -0.01 min  
Lab File: BF093848.D  
Acq: 22 Mar 2017 22:35

Instrument :  
BNA\_F  
ClientSampleId :  
LOD-WATER-05-QT2-2017

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.4  | 19.5  | 29.3  |
| 265     | 21.4  | 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

