

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082918\  
 Data File : BF108603.D  
 Acq On : 29 Aug 2018 14:38  
 Operator : JU/SJ  
 Sample : J4621-10 100X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OILY-WATER

Quant Time: Aug 29 16:24:54 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 22 11:01:45 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.00  | 152  | 111403   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.28  | 136  | 497954   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.04 | 164  | 238659   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.54 | 188  | 426516   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.19 | 240  | 259124   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.75 | 264  | 253248   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 0.00  | 112  | 0        | 0.00  | ng    |          |
| 7) Phenol-d6                | 0.00  | 99   | 0        | 0.00  | ng    |          |
| 23) Nitrobenzene-d5         | 7.59  | 82   | 4119     | 0.46  | ng    | 0.02     |
| 41) 2,4,6-Tribromophenol    | 10.84 | 330  | 1105     | 0.46  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.35  | 172  | 9542     | 0.64  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.12 | 244  | 10169    | 1.00  | ng    | 0.00     |

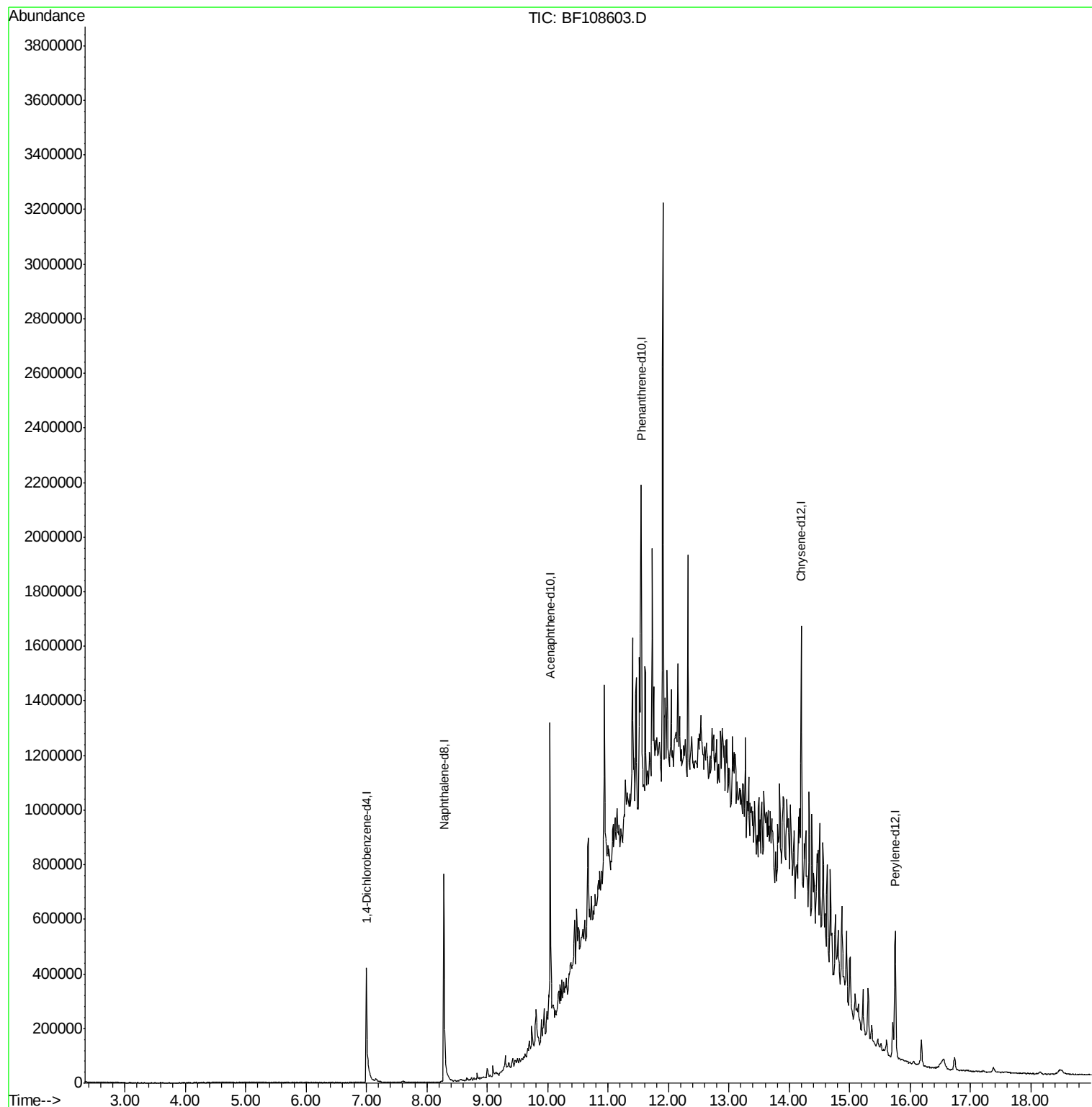
Target Compounds Qvalue

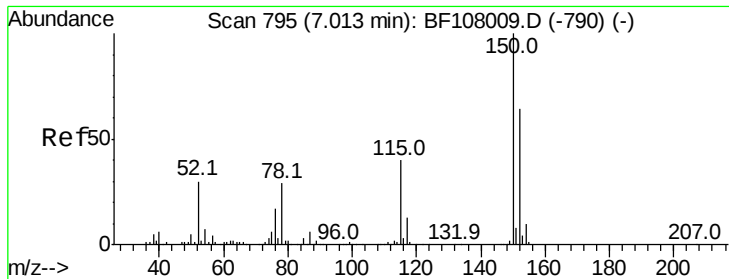
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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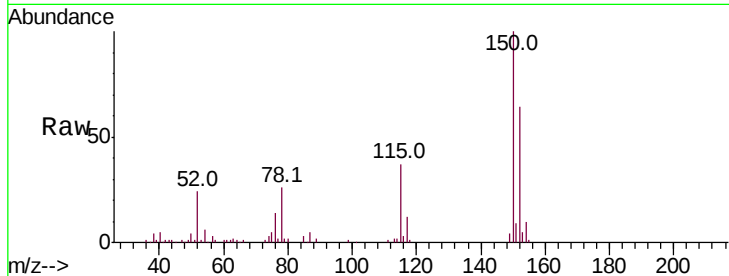


#1

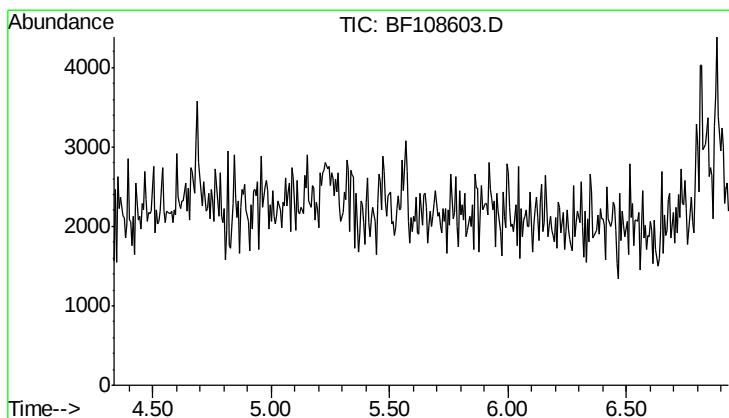
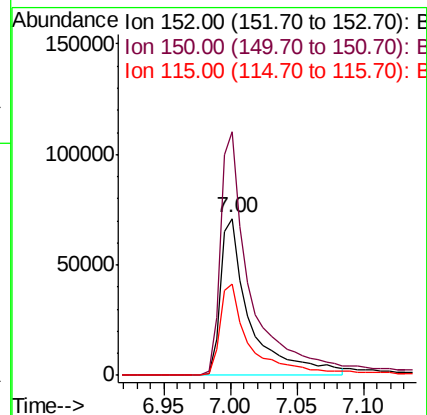
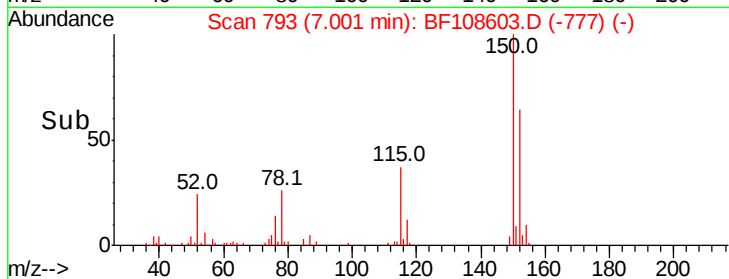
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.00 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: BF108603.D  
Acq: 29 Aug 2018 14:38

Instrument :  
BNA\_F  
ClientSampleId :  
OILY-WATER

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.5 | 124.6 | 186.8 |
| 115     | 58.0  | 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

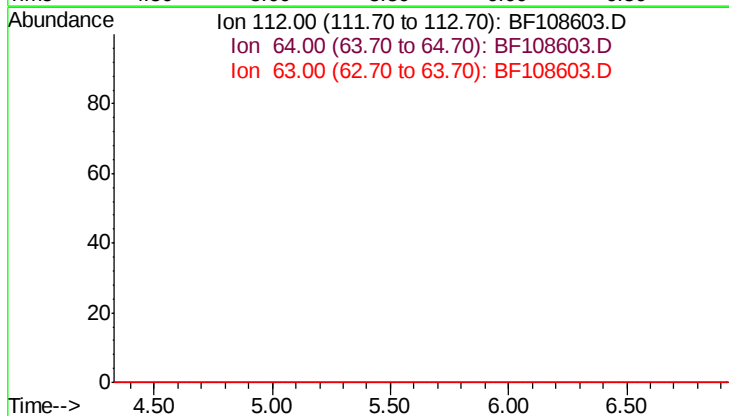


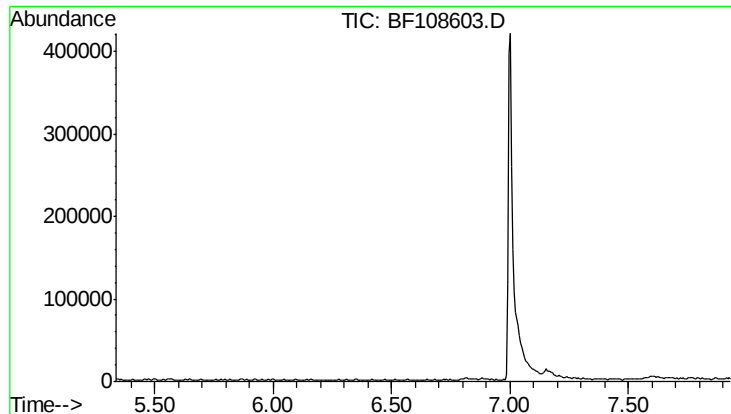
#5

2-Fluorophenol  
Concen: 0.000 ng  
Expected RT: 5.63 min

Lab File: BF108603.D  
Acq: 29 Aug 2018 14:38

| Tgt Ion | Sig  | Exp Ratio |
|---------|------|-----------|
| 112     | 100  |           |
| 64      | 59.9 |           |
| 63      | 29.6 |           |

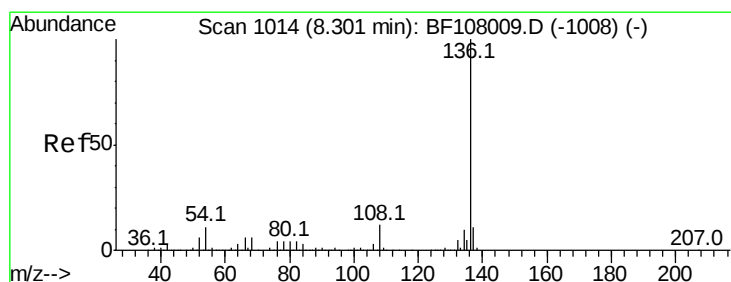
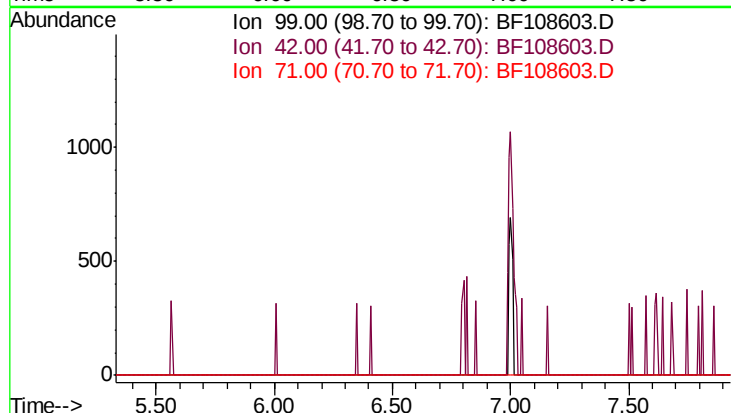




#7  
 Phenol-d6  
 Concen: 0.000 ng  
 Expected RT: 6.63 min  
 Lab File: BF108603.D  
 Acq: 29 Aug 2018 14:38

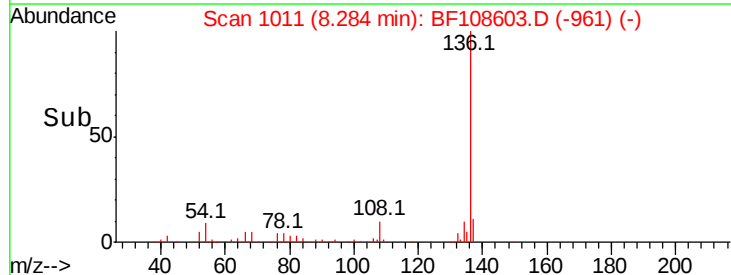
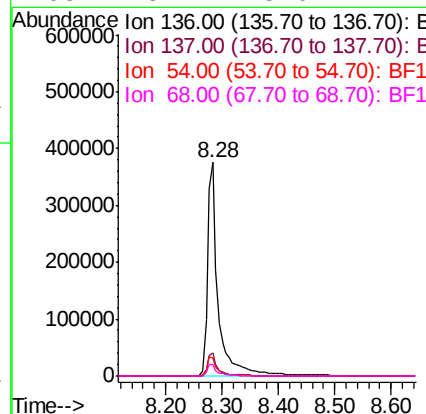
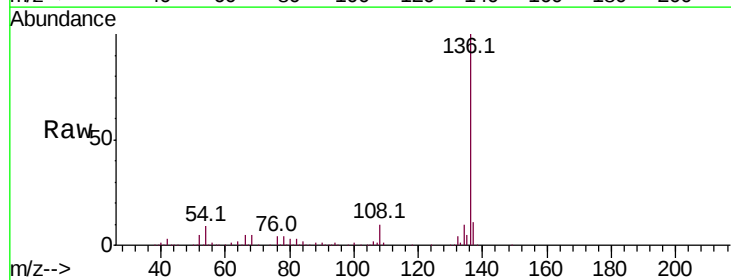
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OILY-WATER

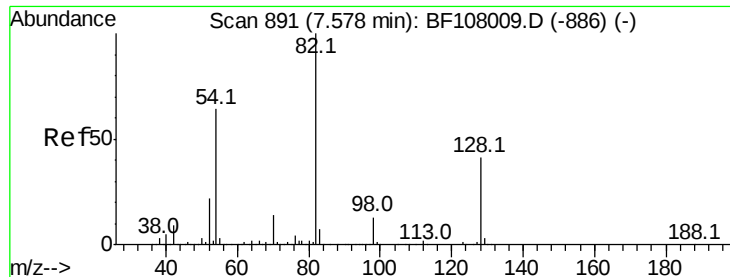
Tot Ion: 99  
 Sig Exp Ratio  
 99 100  
 42 18.1  
 71 31.7



#21  
 Naphthalene-d8  
 Concen: 20.000 ng  
 RT: 8.28 min Scan# 1011  
 Delta R.T. -0.01 min  
 Lab File: BF108603.D  
 Acq: 29 Aug 2018 14:38

Tgt Ion: 136 Resp: 497954  
 Ion Ratio Lower Upper  
 136 100  
 137 10.6 8.9 13.3  
 54 8.7 6.6 9.8  
 68 5.2 5.0 7.4

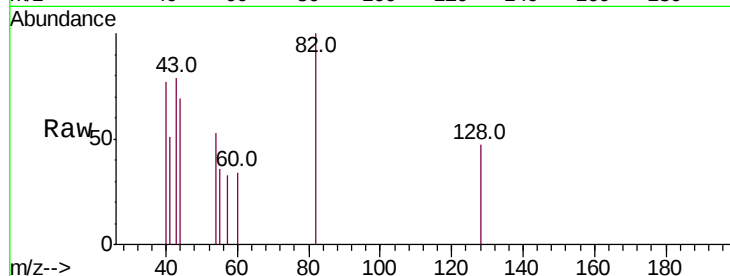




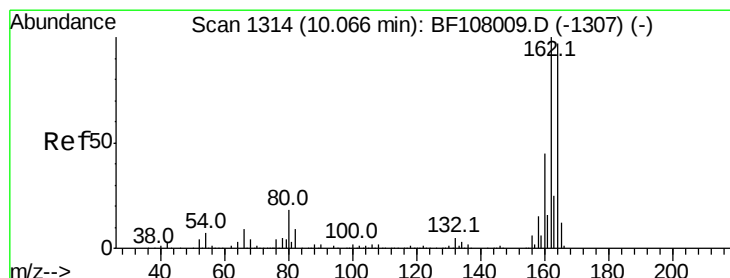
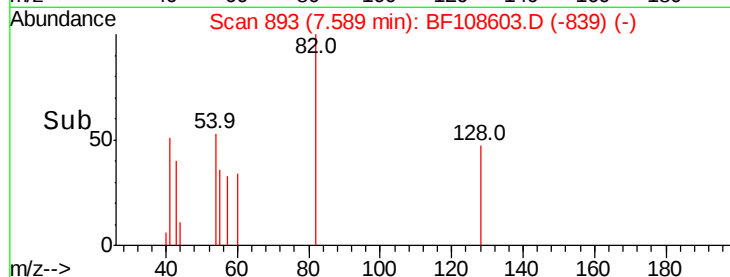
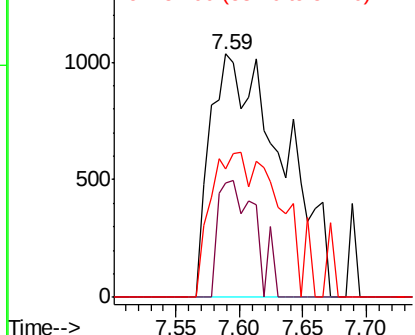
#23  
 Nitrobenzene-d5  
 Concen: 0.462 ng  
 RT: 7.59 min Scan# 893  
 Delta R.T. 0.02 min  
 Lab File: BF108603.D  
 Acq: 29 Aug 2018 14:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OILY-WATER

Tot Ion: 82 Resp: 4119  
 Ion Ratio Lower Upper  
 82 100  
 128 47.1 36.1 54.1  
 54 52.7 41.4 62.2

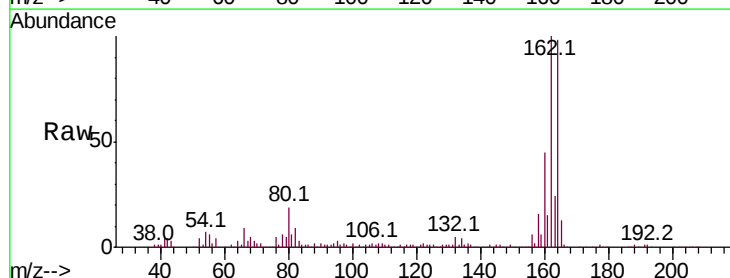


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

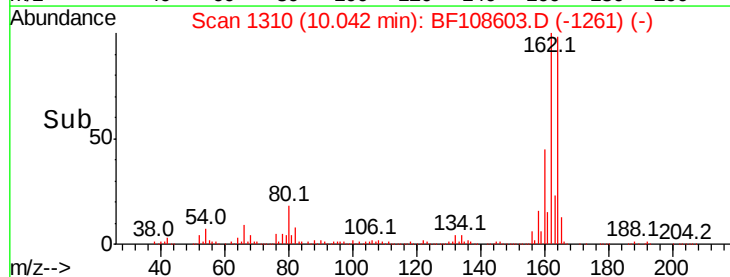
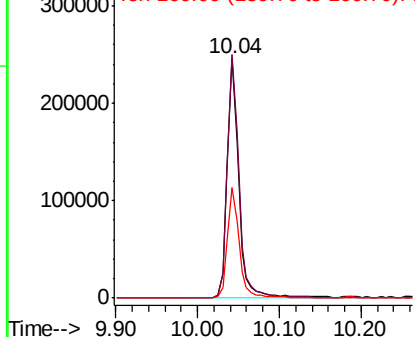


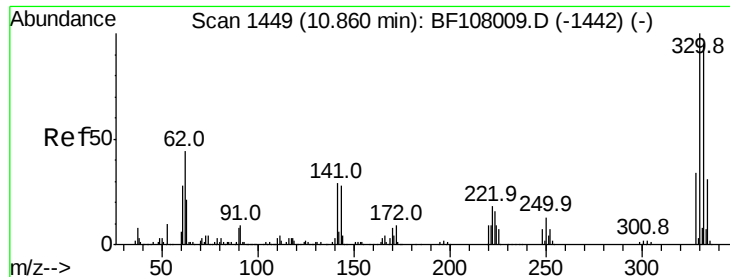
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.04 min Scan# 1310  
 Delta R.T. -0.01 min  
 Lab File: BF108603.D  
 Acq: 29 Aug 2018 14:38

Tgt Ion:164 Resp: 238659  
 Ion Ratio Lower Upper  
 164 100  
 162 101.7 86.1 129.1  
 160 46.0 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

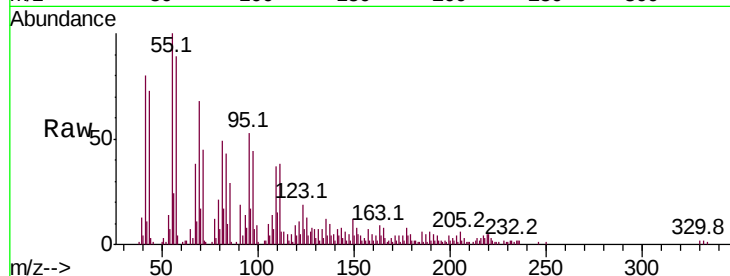




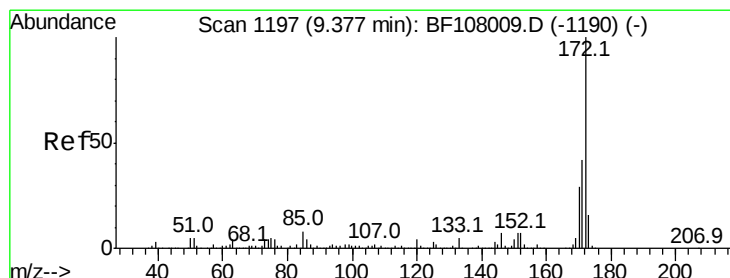
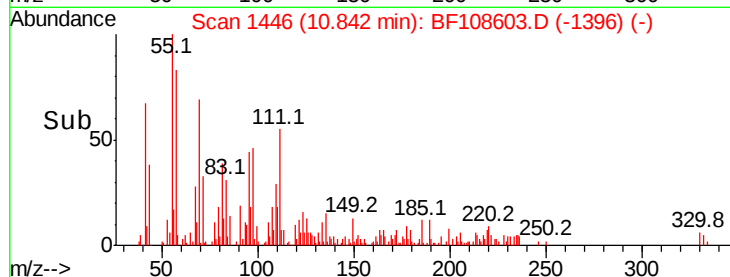
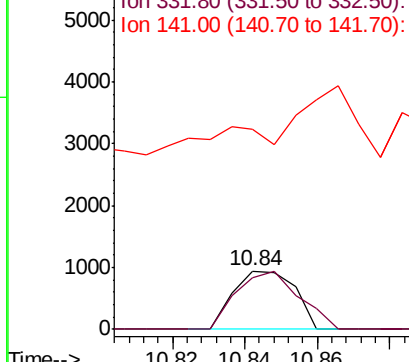
#41  
 2,4,6-Tribromophenol  
 Concen: 0.464 ng  
 RT: 10.84 min Scan# 1446  
 Delta R.T. -0.01 min  
 Lab File: BF108603.D  
 Acq: 29 Aug 2018 14:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OILY-WATER

Tot Ion:330 Resp: 1105  
 Ion Ratio Lower Upper  
 330 100  
 332 101.5 77.0 115.6  
 141 0.0 29.9 44.9#

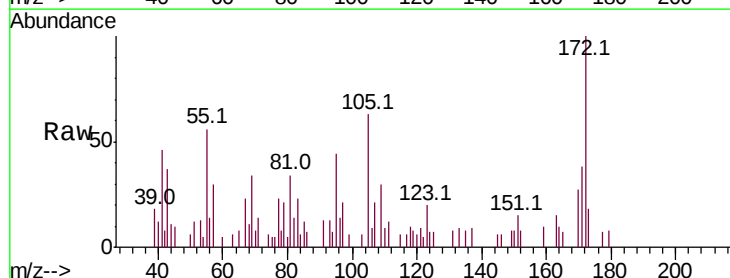


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

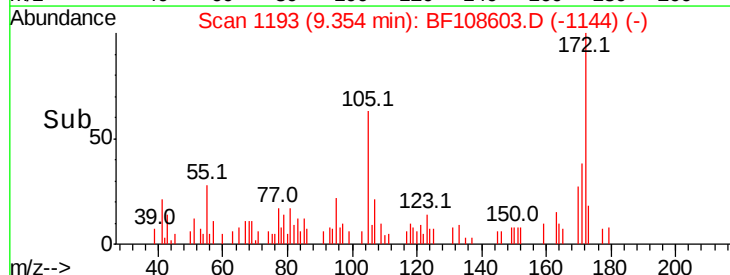
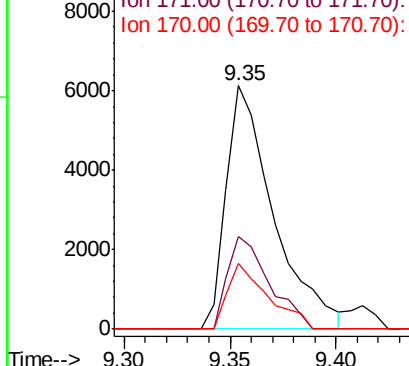


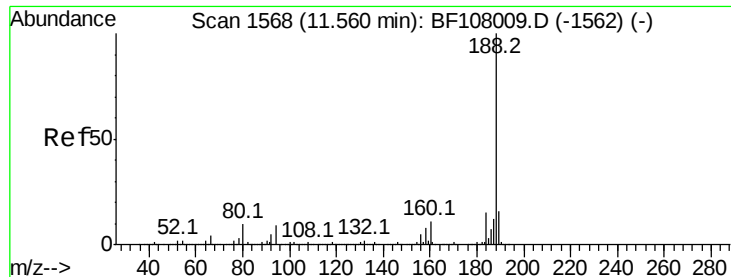
#44  
 2-Fluorobiphenyl  
 Concen: 0.642 ng  
 RT: 9.35 min Scan# 1193  
 Delta R.T. -0.01 min  
 Lab File: BF108603.D  
 Acq: 29 Aug 2018 14:38

Tgt Ion:172 Resp: 9542  
 Ion Ratio Lower Upper  
 172 100  
 171 38.0 29.7 44.5  
 170 26.8 19.6 29.4



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

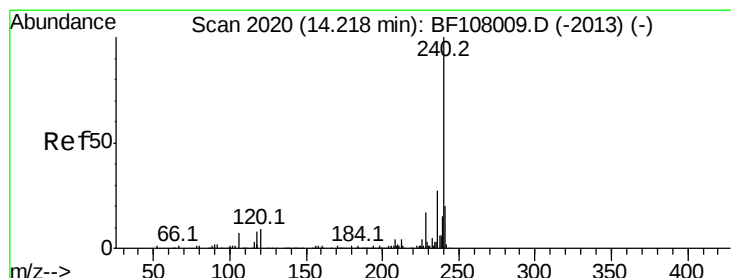
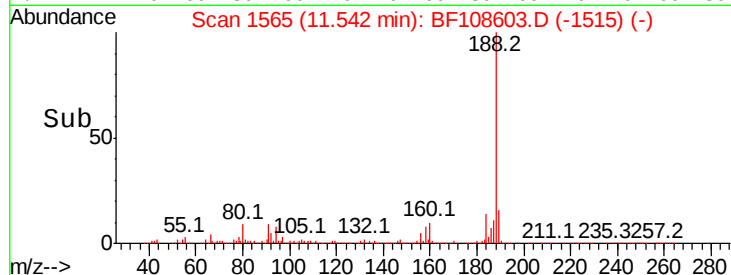
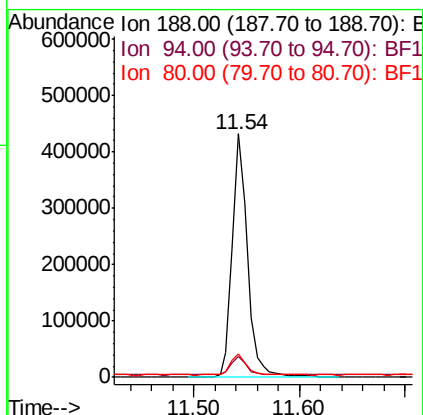
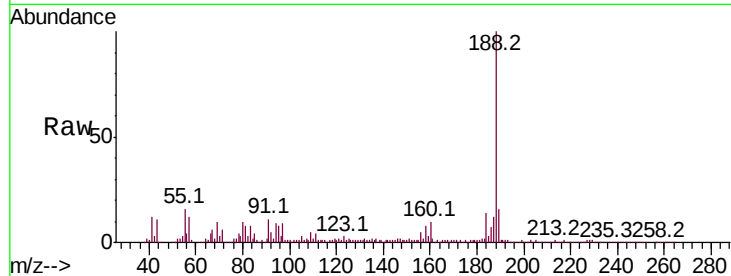




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.54 min Scan# 1565  
Delta R.T. -0.01 min  
Lab File: BF108603.D  
Acq: 29 Aug 2018 14:38

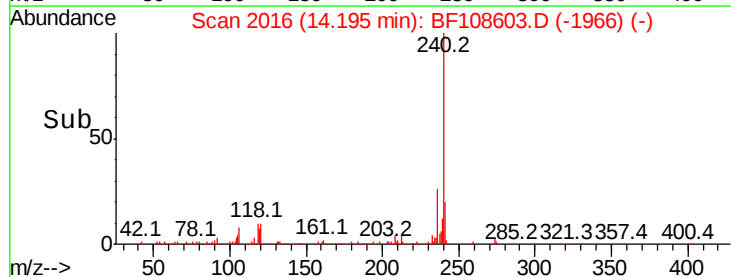
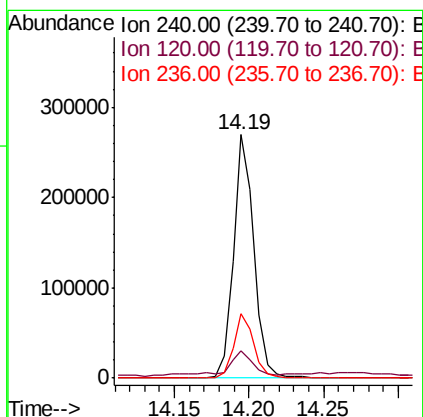
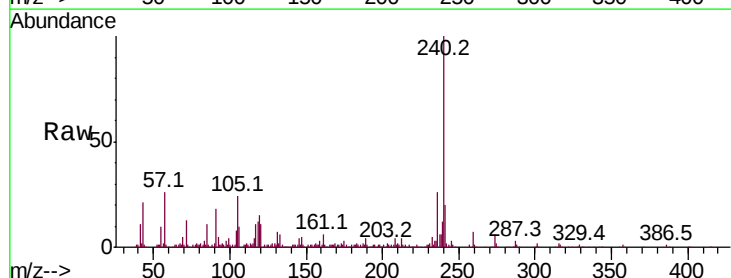
Instrument :  
BNA\_F  
ClientSampleId :  
OILY-WATER

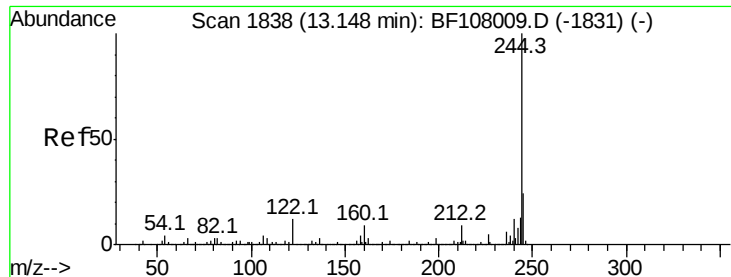
Tot Ion:188 Resp: 426516  
Ion Ratio Lower Upper  
188 100  
94 8.7 8.5 12.7  
80 9.6 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.19 min Scan# 2016  
Delta R.T. -0.01 min  
Lab File: BF108603.D  
Acq: 29 Aug 2018 14:38

Tgt Ion:240 Resp: 259124  
Ion Ratio Lower Upper  
240 100  
120 11.0 9.5 14.3  
236 26.3 20.7 31.1





#78

Terphenyl-d14

Concen: 0.998 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108603.D

Acq: 29 Aug 2018 14:38

Instrument :

BNA\_F

ClientSampleId :

OILY-WATER

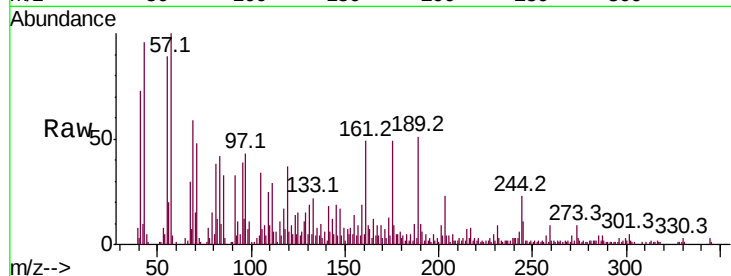
Tot Ion:244 Resp: 10169

Ion Ratio Lower Upper

244 100

212 10.4 5.4 8.0#

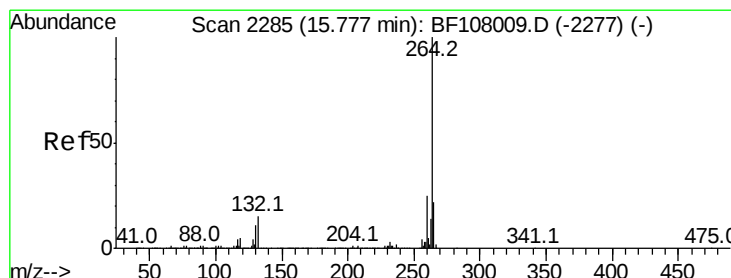
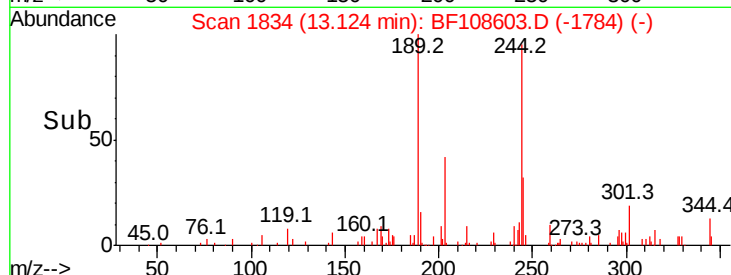
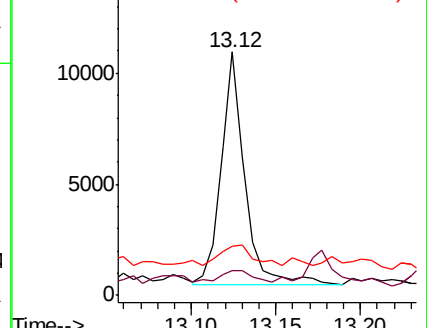
122 20.3 11.0 16.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.75 min Scan# 2281

Delta R.T. -0.01 min

Lab File: BF108603.D

Acq: 29 Aug 2018 14:38

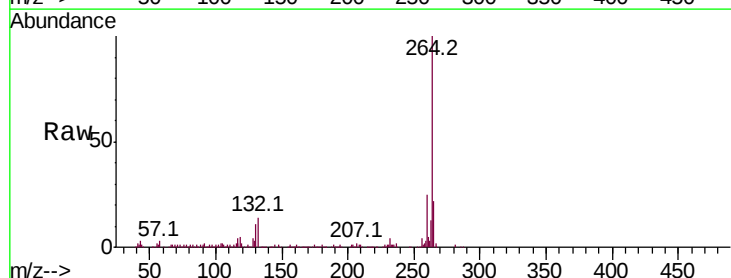
Tgt Ion:264 Resp: 253248

Ion Ratio Lower Upper

264 100

260 25.5 19.2 28.8

265 22.1 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

