

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\  
 Data File : BF099934.D  
 Acq On : 28 Oct 2017 23:05  
 Operator : SJ/JU  
 Sample : I5718-02 10X  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WASTE-WATER

Quant Time: Oct 30 04:55:06 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 27 15:58:57 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 85340    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.07  | 136  | 328371   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.82  | 164  | 129311   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.32 | 188  | 177198   | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 13.96 | 240  | 151234   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12            | 15.43 | 264  | 147915   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.44  | 112  | 16895    | 3.11  | ng    | 0.02     |
| 7) Phenol-d6                | 6.50  | 99   | 12868    | 2.00  | ng    | 0.06     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 50541    | 9.91  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.62 | 330  | 9318     | 7.91  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.14  | 172  | 123989   | 14.79 | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.89 | 244  | 75669    | 10.93 | ng    | -0.03    |

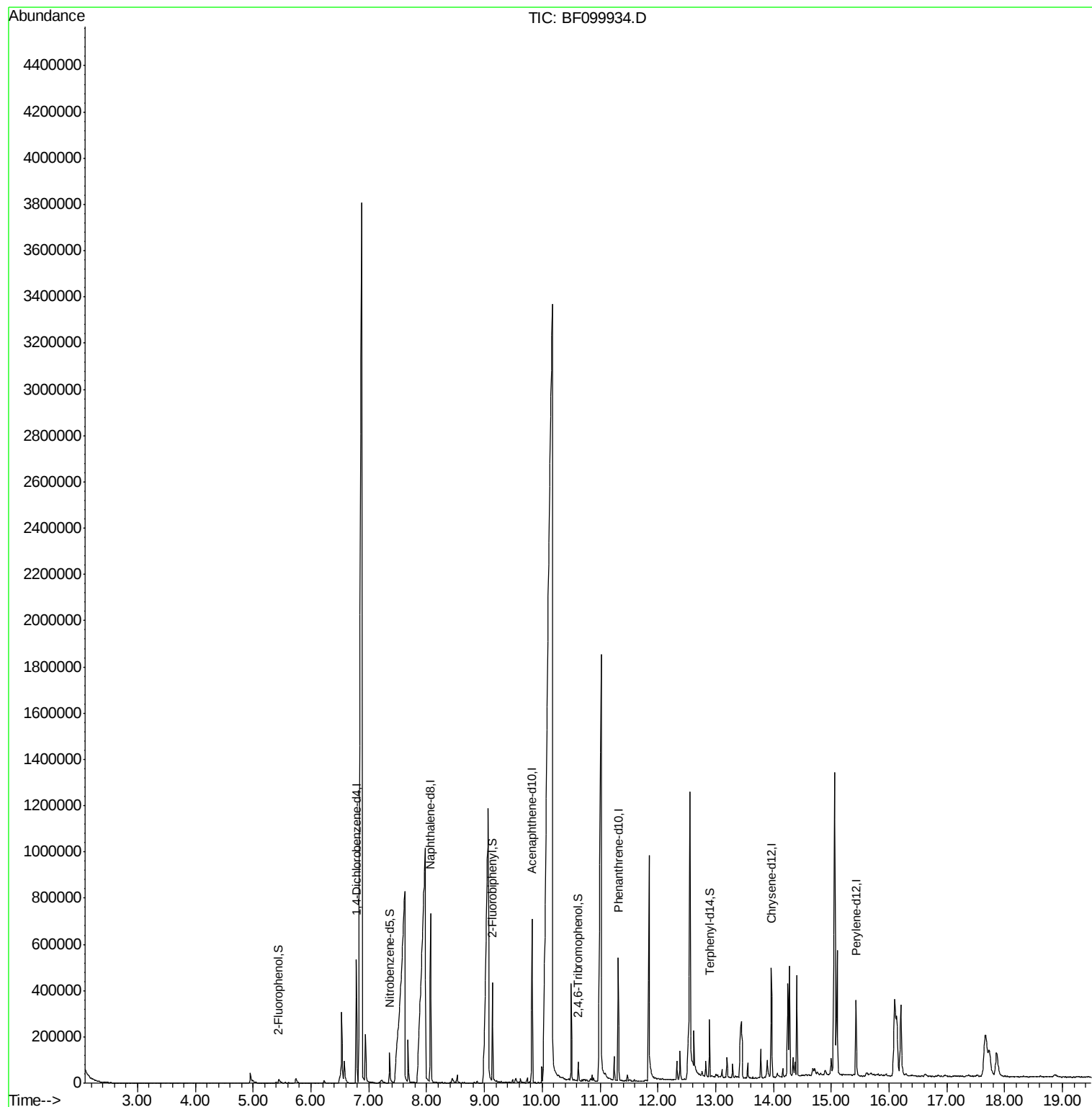
Target Compounds Qvalue

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

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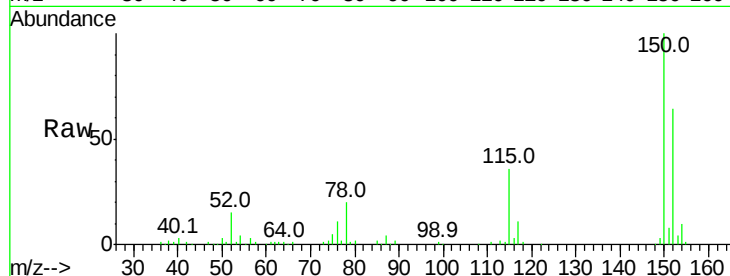


#1

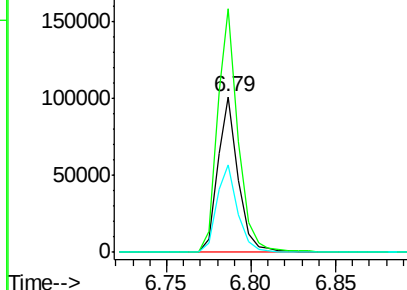
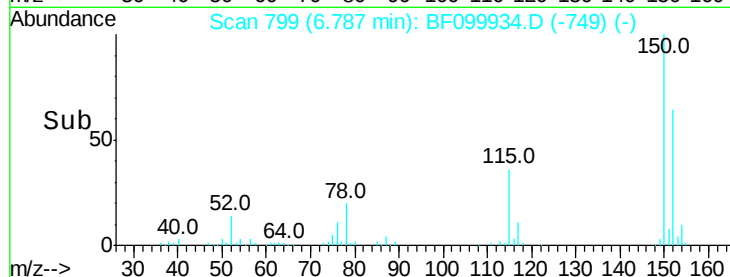
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 799  
Delta R.T. -0.01 min  
Lab File: BF099934.D  
Acq: 28 Oct 2017 23:05

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WASTE-WATER

Tot Ion:152 Resp: 85340  
Ion Ratio Lower Upper  
152 100  
150 156.7 124.6 186.8  
115 55.9 50.1 75.1



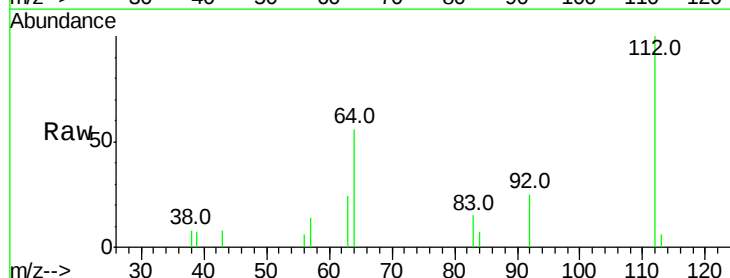
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



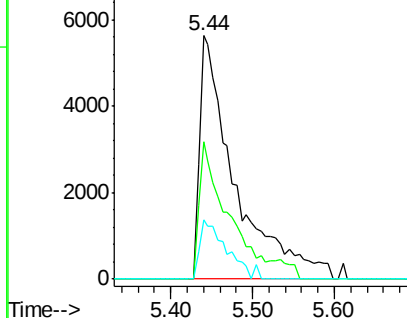
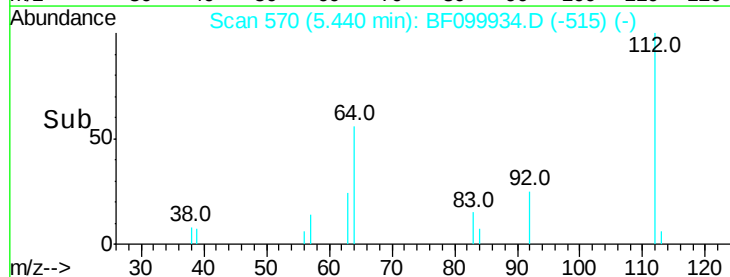
#5

2-Fluorophenol  
Concen: 3.108 ng  
RT: 5.44 min Scan# 570  
Delta R.T. 0.02 min  
Lab File: BF099934.D  
Acq: 28 Oct 2017 23:05

Tgt Ion:112 Resp: 16895  
Ion Ratio Lower Upper  
112 100  
64 56.5 47.9 71.9  
63 24.4 23.7 35.5



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: 1.996 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.06 min

Lab File: BF099934.D

Acq: 28 Oct 2017 23:05

Instrument :

BNA\_F

ClientSampleId :

EFF-WASTE-WATER

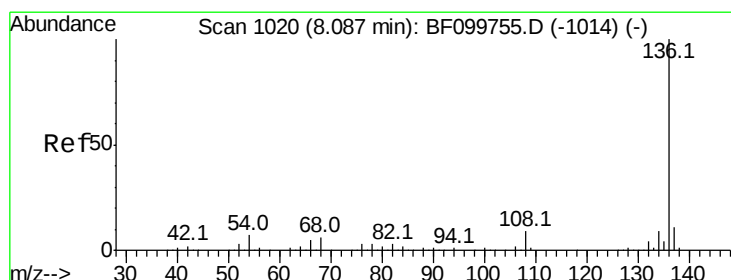
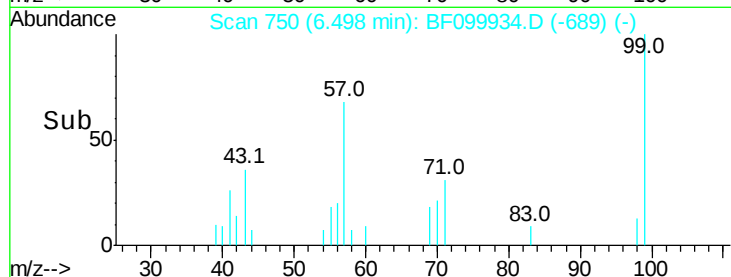
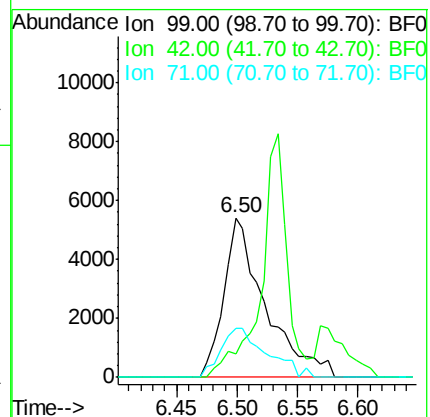
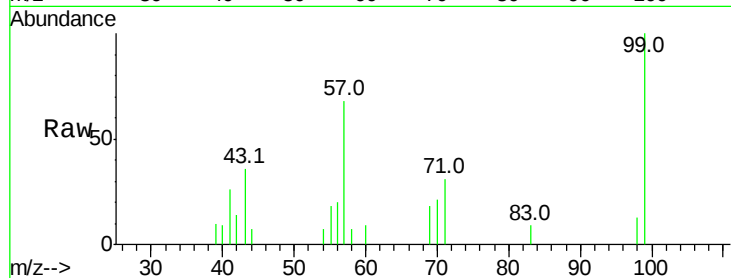
Tot Ion: 99 Resp: 12868

Ion Ratio Lower Upper

99 100

42 14.5 14.5 21.7

71 30.6 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF099934.D

Acq: 28 Oct 2017 23:05

Tgt Ion: 136 Resp: 328371

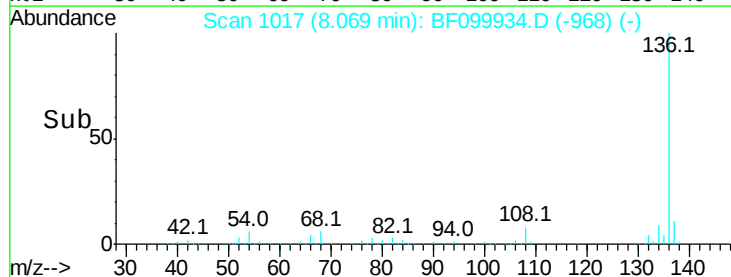
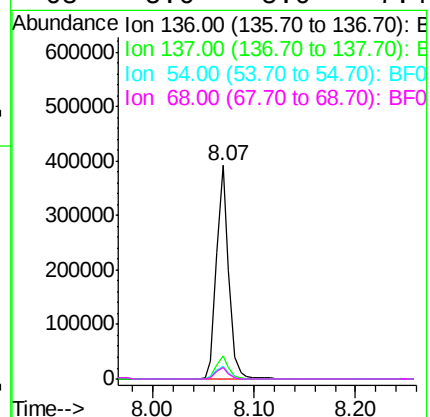
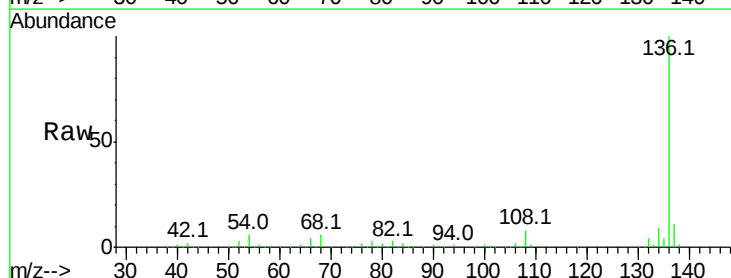
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.2 6.6 9.8#

68 5.6 5.0 7.4

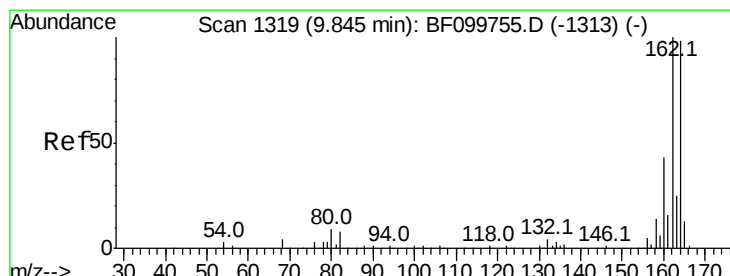
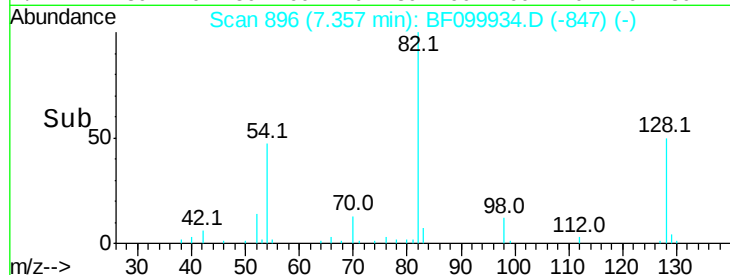
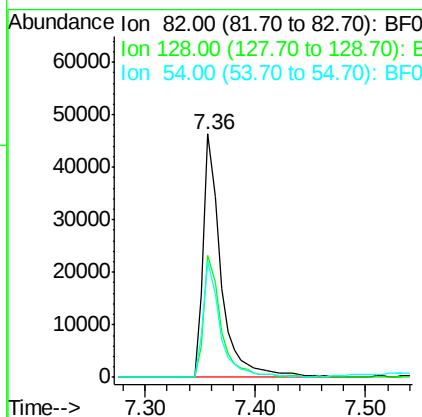
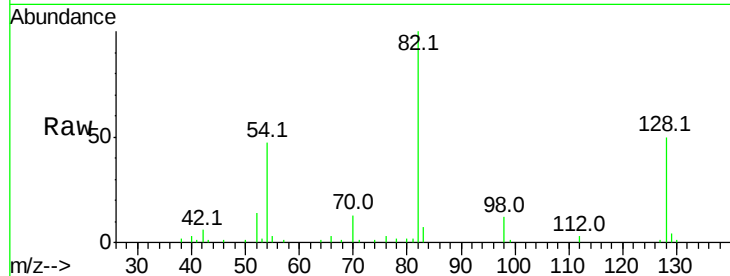




#23  
 Nitrobenzene-d5  
 Concen: 9.909 ng  
 RT: 7.36 min Scan# 896  
 Delta R.T. -0.01 min  
 Lab File: BF099934.D  
 Acq: 28 Oct 2017 23:05

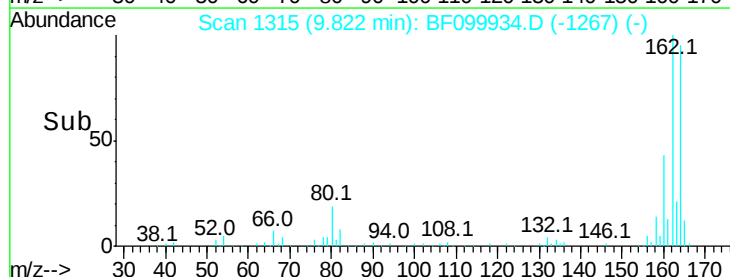
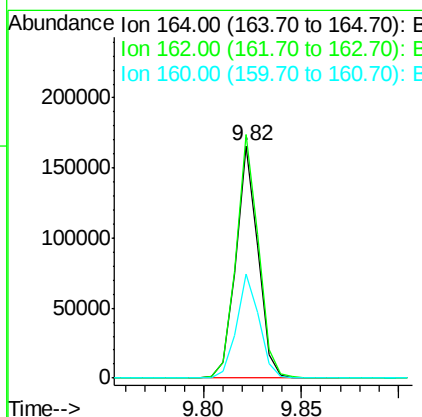
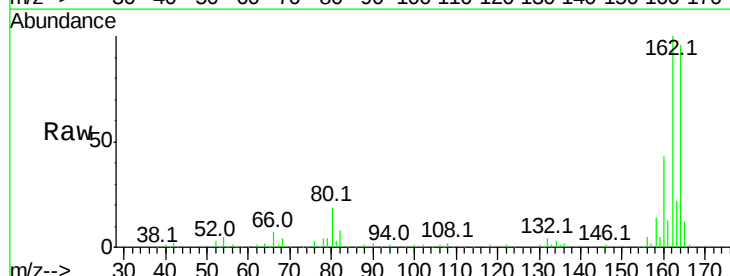
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WASTE-WATER

Tot Ion: 82 Resp: 50541  
 Ion Ratio Lower Upper  
 82 100  
 128 49.9 36.1 54.1  
 54 47.2 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.82 min Scan# 1315  
 Delta R.T. -0.02 min  
 Lab File: BF099934.D  
 Acq: 28 Oct 2017 23:05

Tgt Ion:164 Resp: 129311  
 Ion Ratio Lower Upper  
 164 100  
 162 104.6 86.1 129.1  
 160 44.9 38.3 57.5

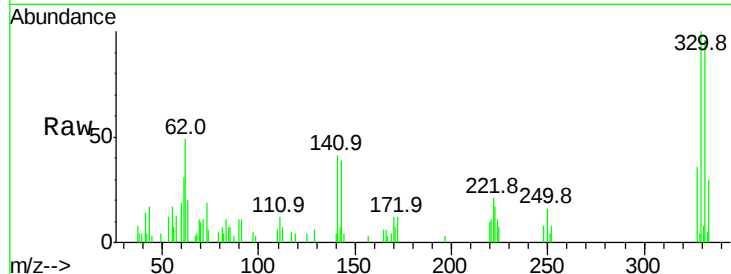




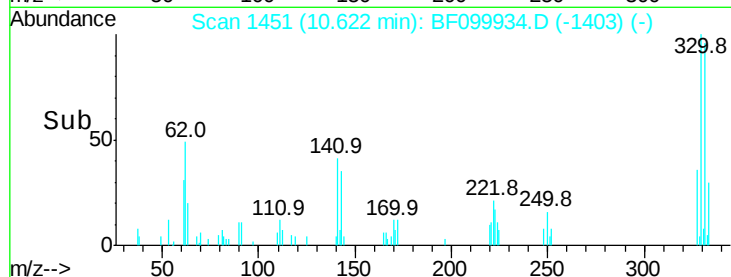
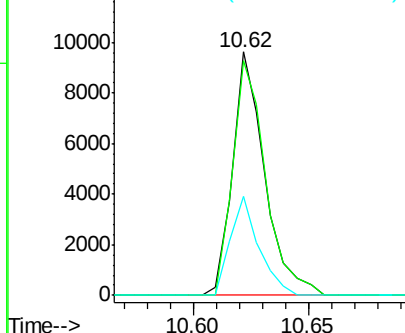
#41  
 2,4,6-Tribromophenol  
 Concen: 7.907 ng  
 RT: 10.62 min Scan# 1451  
 Delta R.T. -0.02 min  
 Lab File: BF099934.D  
 Acq: 28 Oct 2017 23:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WASTE-WATER

Tot Ion:330 Resp: 9318  
 Ion Ratio Lower Upper  
 330 100  
 332 99.0 77.0 115.6  
 141 36.0 29.9 44.9

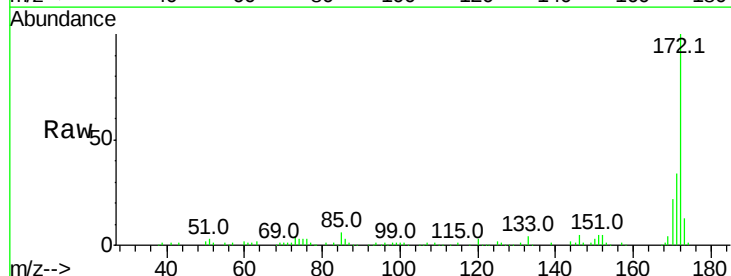


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

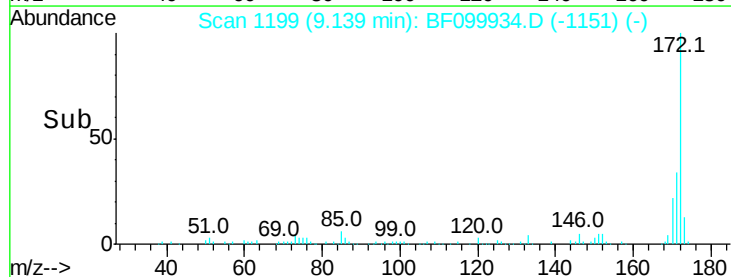
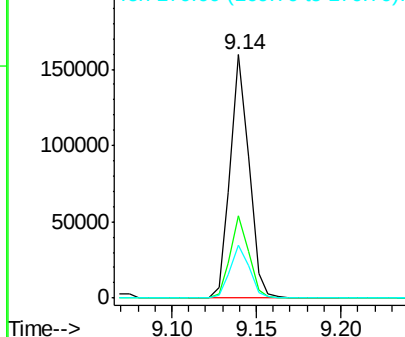


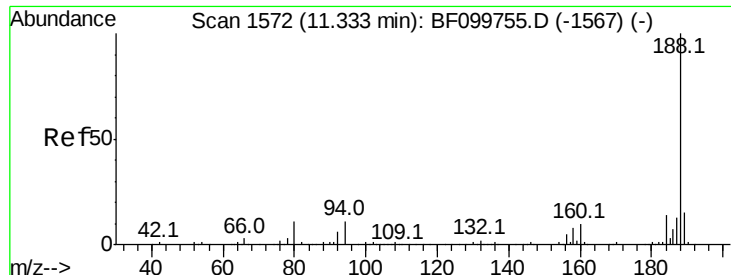
#44  
 2-Fluorobiphenyl  
 Concen: 14.793 ng  
 RT: 9.14 min Scan# 1199  
 Delta R.T. -0.02 min  
 Lab File: BF099934.D  
 Acq: 28 Oct 2017 23:05

Tgt Ion:172 Resp: 123989  
 Ion Ratio Lower Upper  
 172 100  
 171 33.6 29.7 44.5  
 170 21.6 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

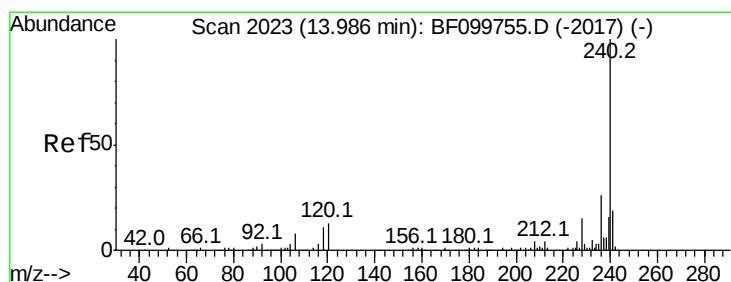
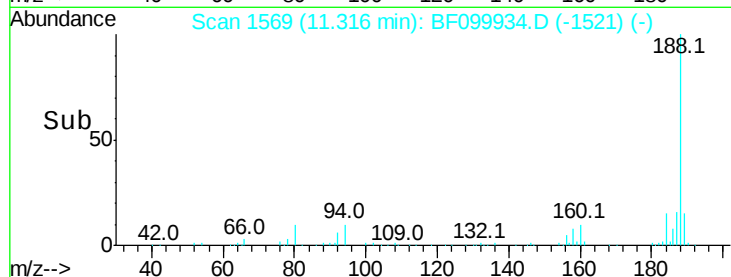
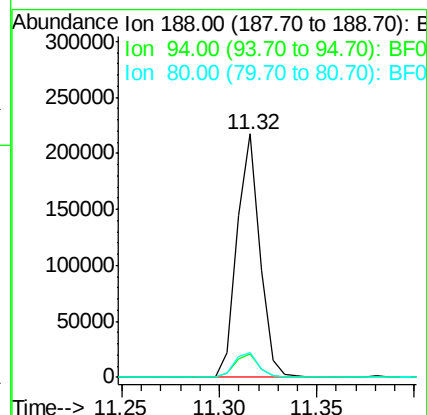
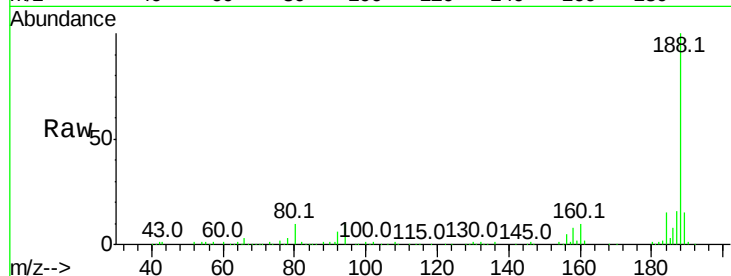




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1569  
Delta R.T. -0.02 min  
Lab File: BF099934.D  
Acq: 28 Oct 2017 23:05

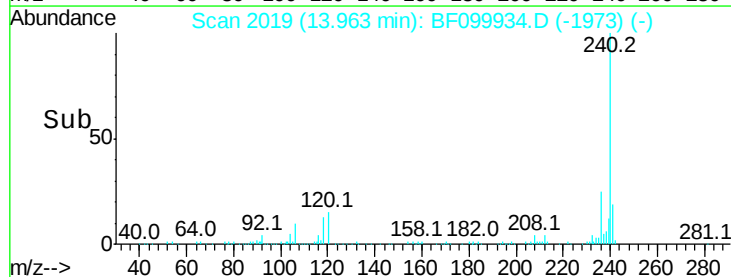
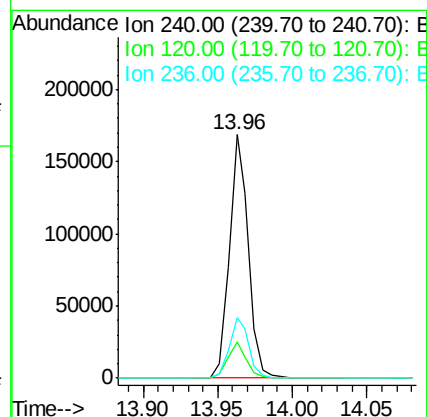
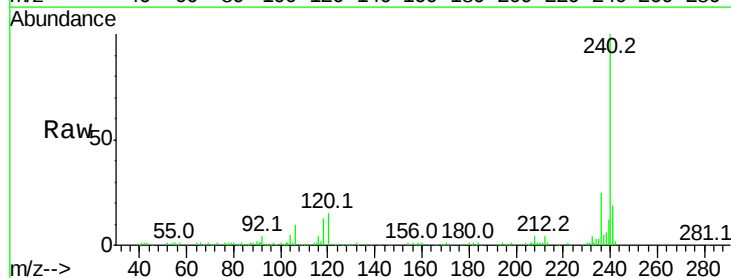
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WASTE-WATER

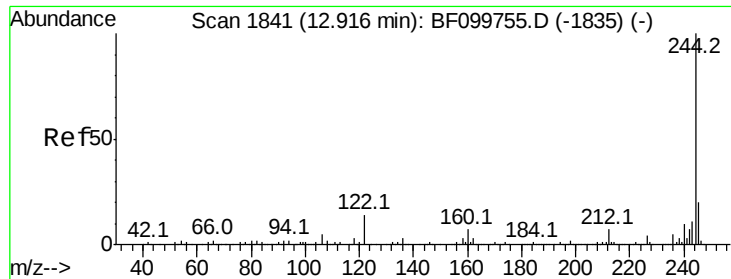
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.7   | 8.5   | 12.7  |
| 80      | 10.0  | 9.2   | 13.8  |



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.96 min Scan# 2019  
Delta R.T. -0.03 min  
Lab File: BF099934.D  
Acq: 28 Oct 2017 23:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 14.7  | 9.5   | 14.3# |
| 236     | 24.8  | 20.7  | 31.1  |





#78

Terphenyl-d14

Concen: 10.934 ng

RT: 12.89 min Scan# 1837

Delta R.T. -0.03 min

Lab File: BF099934.D

Acq: 28 Oct 2017 23:05

Instrument :

BNA\_F

ClientSampleId :

EFF-WASTE-WATER

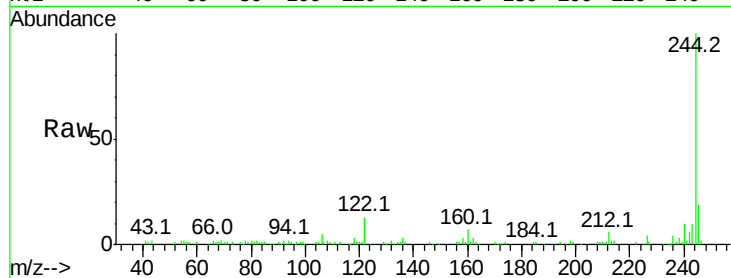
Tot Ion:244 Resp: 75669

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

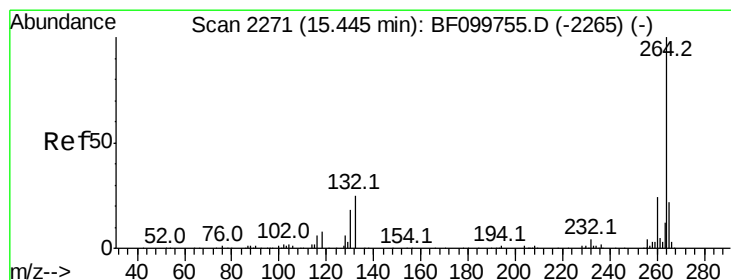
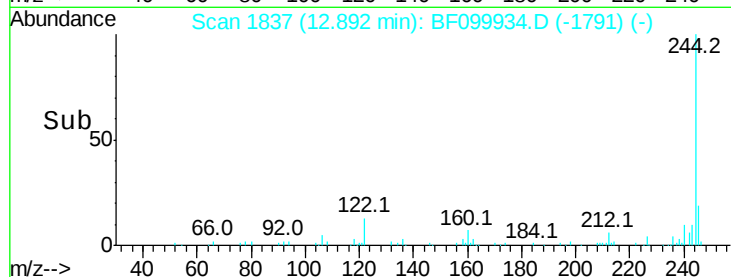
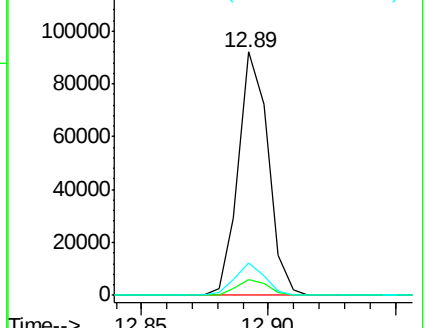
122 13.1 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.03 min

Lab File: BF099934.D

Acq: 28 Oct 2017 23:05

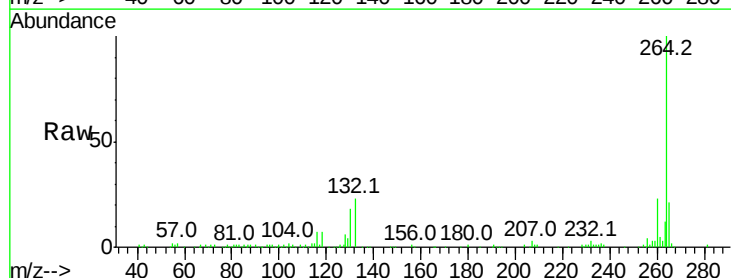
Tgt Ion:264 Resp: 147915

Ion Ratio Lower Upper

264 100

260 23.1 19.2 28.8

265 20.9 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

