

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090618\  
 Data File : BF108845.D  
 Acq On : 7 Sep 2018 1:14  
 Operator : JU/SJ  
 Sample : J4799-02 20X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Sep 07 03:51:17 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 05 18:03:31 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 199481   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.01  | 136  | 731290   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.77  | 164  | 300445   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.24 | 188  | 501619   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.87 | 240  | 539088   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.28 | 264  | 582600   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.34  | 112  | 2428     | 0.20  | ng    | 0.00     |
| 7) Phenol-d6                | 6.35  | 99   | 2191     | 0.14  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.28  | 82   | 5066     | 0.43  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330  | 1286     | 0.45  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.09  | 172  | 10104    | 0.57  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.82 | 244  | 8310     | 0.36  | ng    | 0.00     |

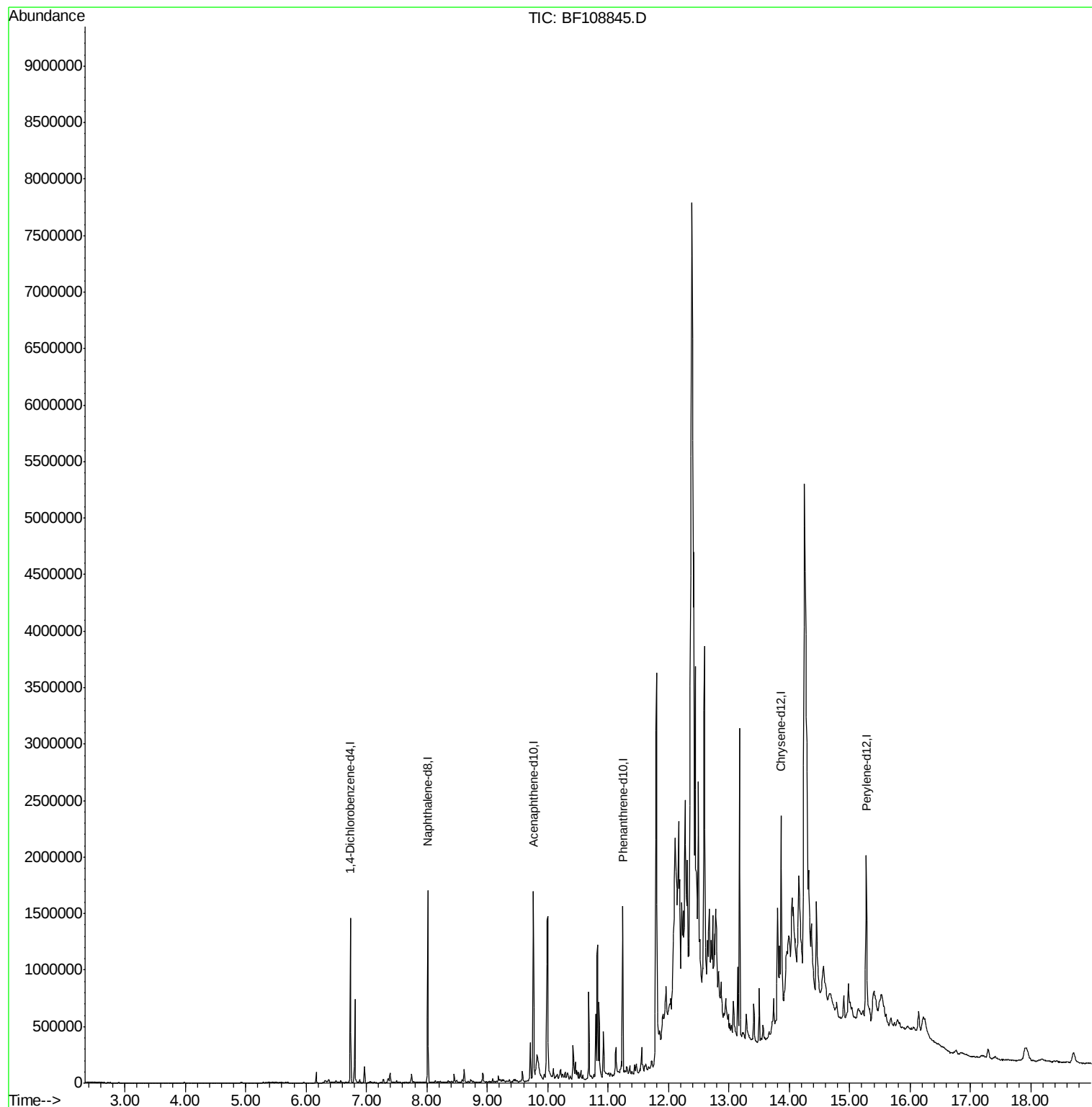
Target Compounds Qvalue

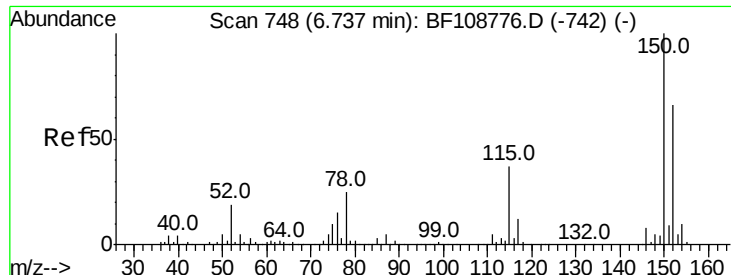
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J4799-02 20X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Time: Sep 07 03:51:17 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 05 18:03:31 2018  
Response via : Initial Calibration



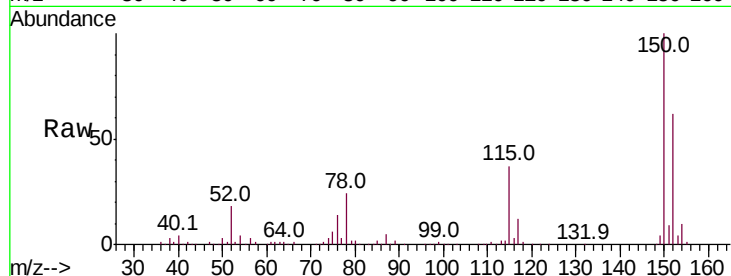


#1

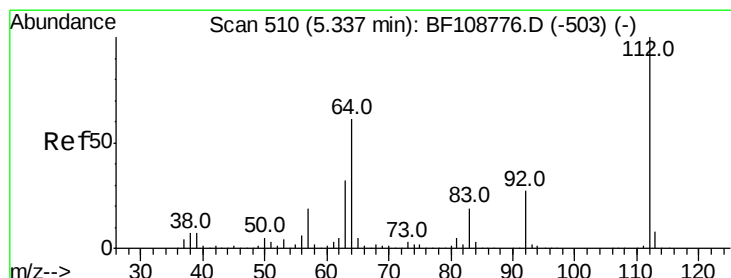
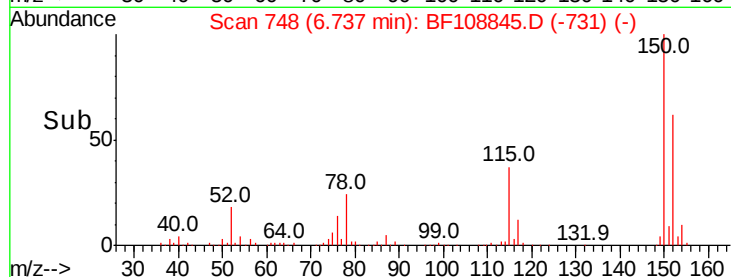
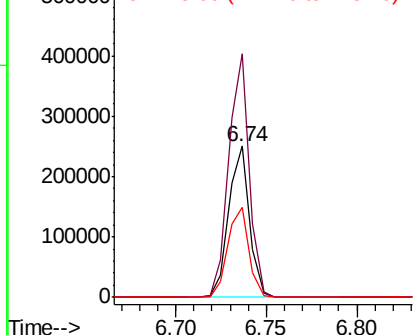
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.74 min Scan# 748  
Delta R.T. 0.00 min  
Lab File: BF108845.D  
Acq: 7 Sep 2018 1:14

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

Tot Ion:152 Resp: 199481  
Ion Ratio Lower Upper  
152 100  
150 161.2 124.6 186.8  
115 59.2 50.1 75.1



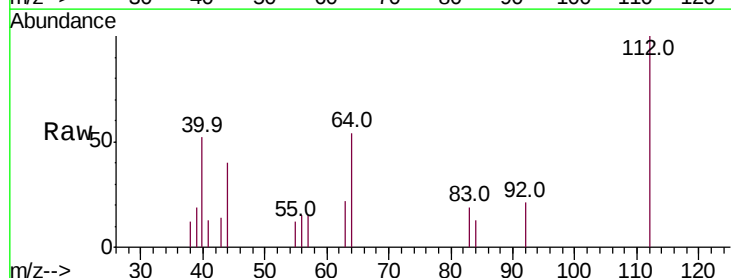
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



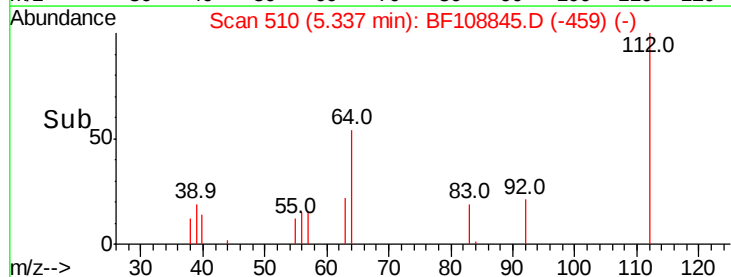
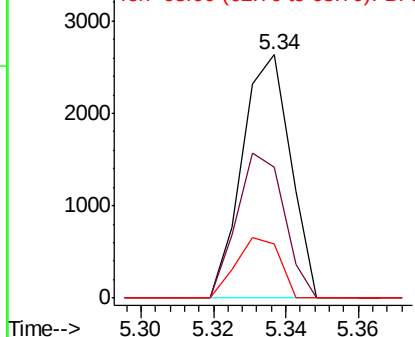
#5

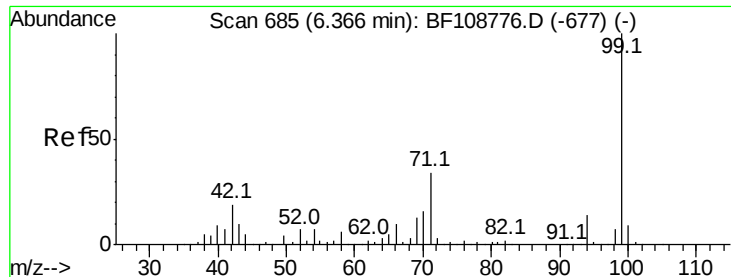
2-Fluorophenol  
Concen: 0.202 ng  
RT: 5.34 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: BF108845.D  
Acq: 7 Sep 2018 1:14

Tgt Ion:112 Resp: 2428  
Ion Ratio Lower Upper  
112 100  
64 53.8 47.9 71.9  
63 22.5 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: 0.141 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF108845.D

Acq: 7 Sep 2018 1:14

Instrument :

BNA\_F

ClientSampleId :

EFF-WASTE-WATER

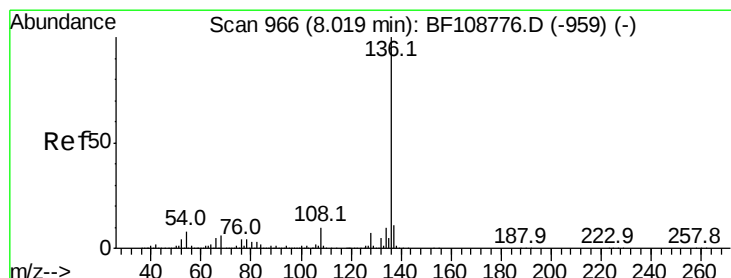
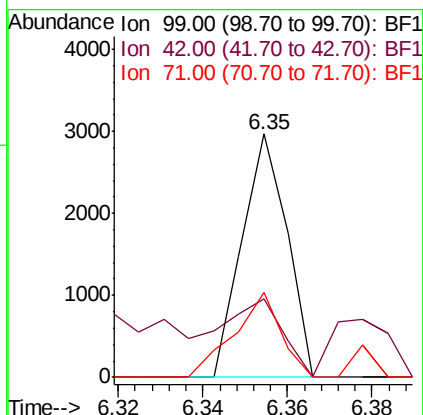
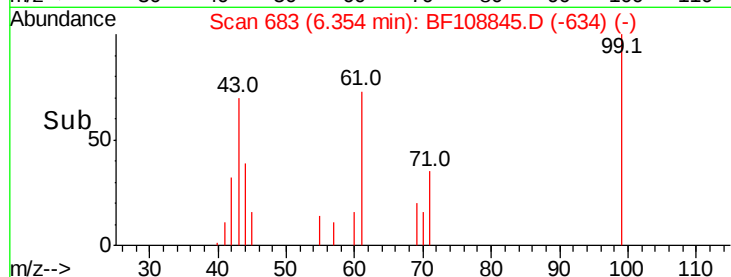
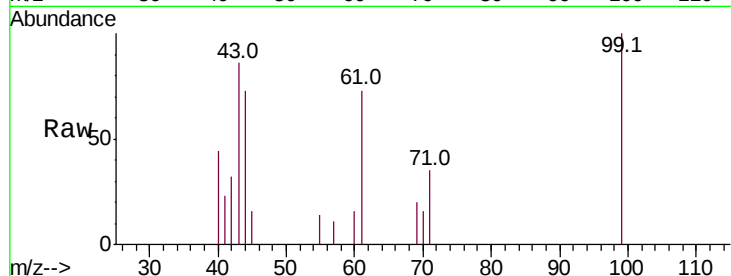
Tot Ion: 99 Resp: 2191

Ion Ratio Lower Upper

99 100

42 32.3 14.5 21.7#

71 35.1 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF108845.D

Acq: 7 Sep 2018 1:14

Tgt Ion: 136 Resp: 731290

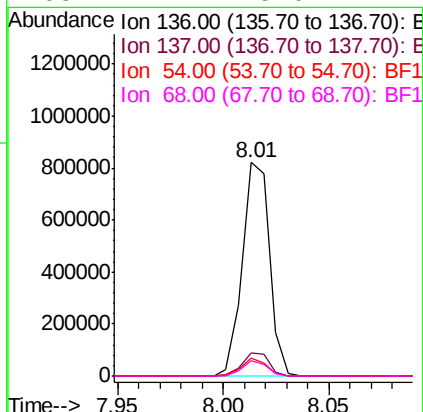
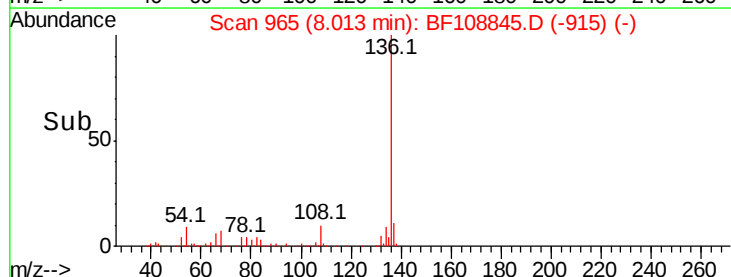
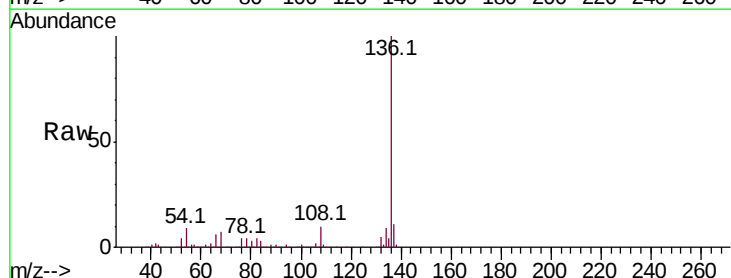
Ion Ratio Lower Upper

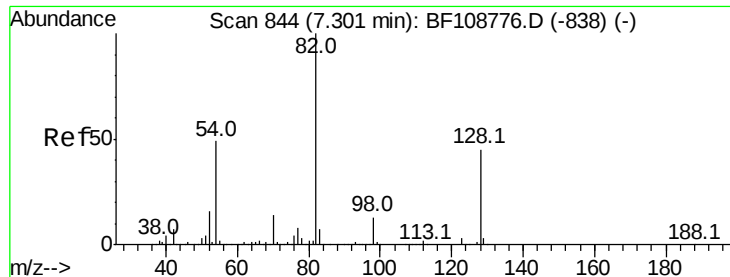
136 100

137 11.1 8.9 13.3

54 8.6 6.6 9.8

68 7.4 5.0 7.4

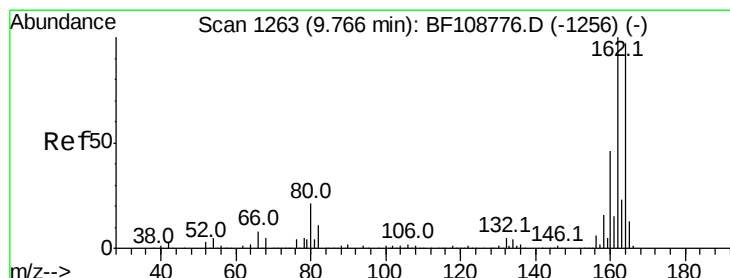
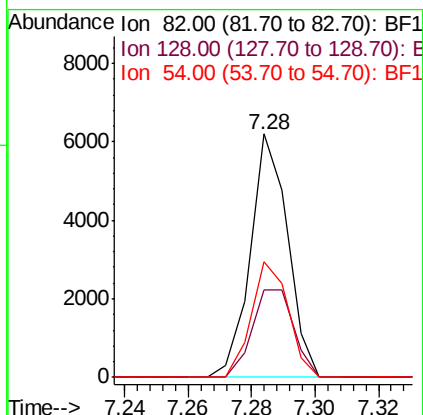
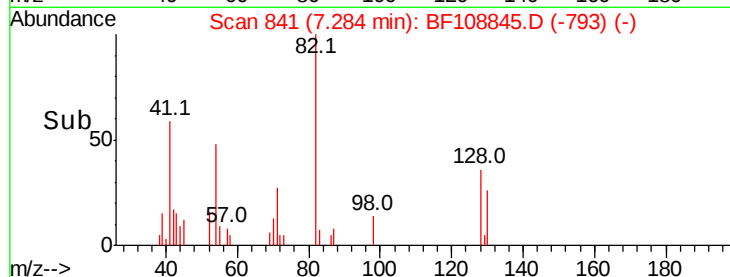
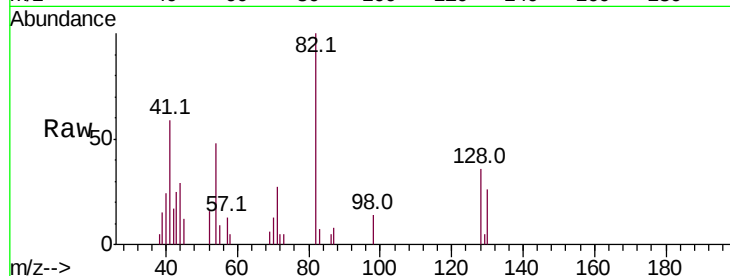




#23  
 Nitrobenzene-d5  
 Concen: 0.434 ng  
 RT: 7.28 min Scan# 841  
 Delta R.T. -0.02 min  
 Lab File: BF108845.D  
 Acq: 7 Sep 2018 1:14

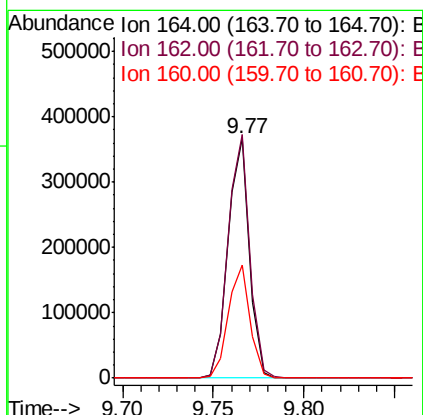
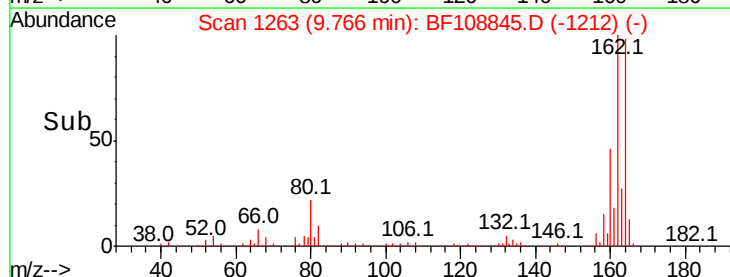
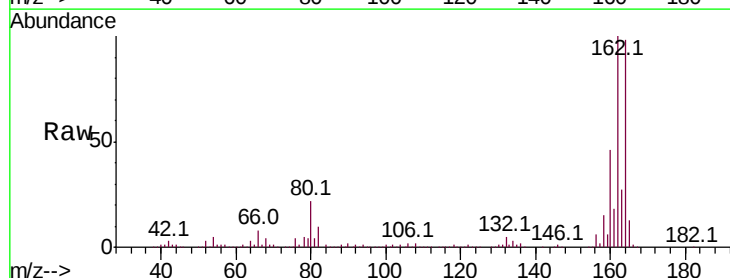
Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WASTE-WATER

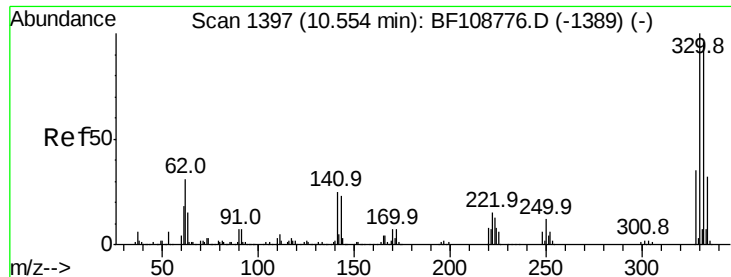
Tot Ion: 82 Resp: 5066  
 Ion Ratio Lower Upper  
 82 100  
 128 36.0 36.1 54.1#  
 54 47.6 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.77 min Scan# 1263  
 Delta R.T. 0.00 min  
 Lab File: BF108845.D  
 Acq: 7 Sep 2018 1:14

Tgt Ion:164 Resp: 300445  
 Ion Ratio Lower Upper  
 164 100  
 162 101.7 86.1 129.1  
 160 47.2 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 0.448 ng

RT: 10.54 min Scan# 1395

Delta R.T. -0.01 min

Lab File: BF108845.D

Acq: 7 Sep 2018 1:14

Instrument :

BNA\_F

ClientSampleId :

EFF-WASTE-WATER

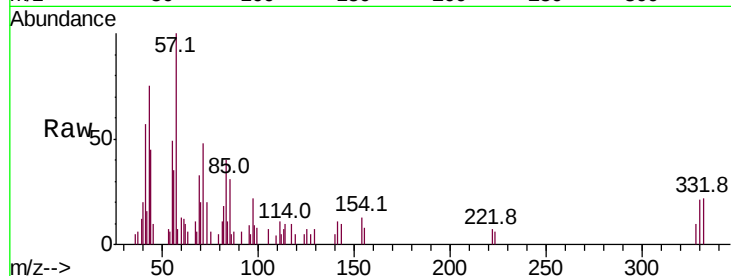
Tot Ion:330 Resp: 1286

Ion Ratio Lower Upper

330 100

332 88.5 77.0 115.6

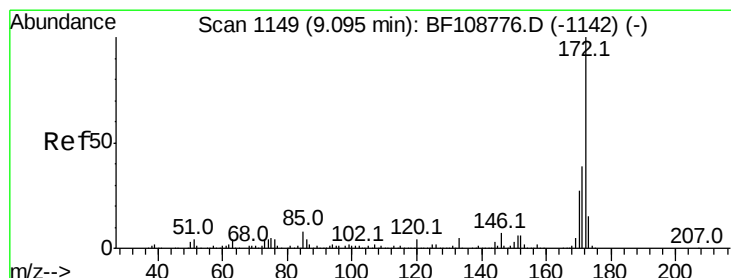
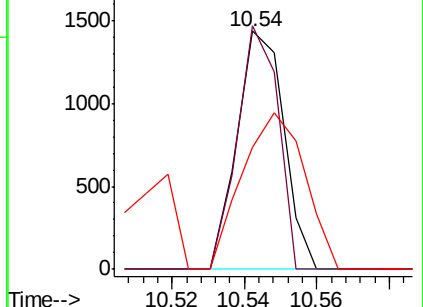
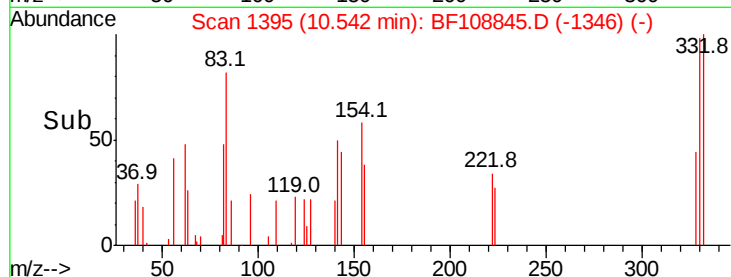
141 88.2 29.9 44.9#



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: 0.574 ng

RT: 9.09 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF108845.D

Acq: 7 Sep 2018 1:14

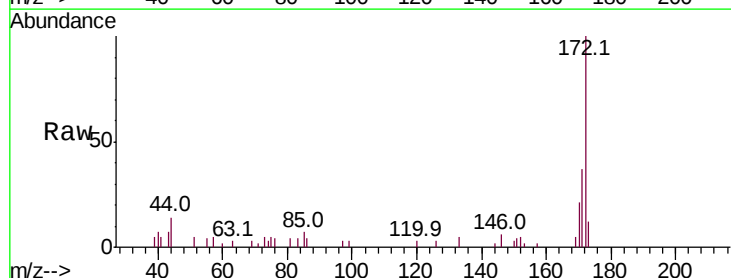
Tgt Ion:172 Resp: 10104

Ion Ratio Lower Upper

172 100

171 37.4 29.7 44.5

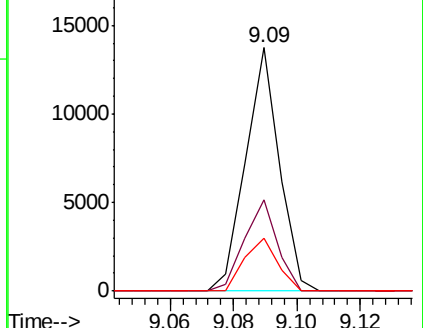
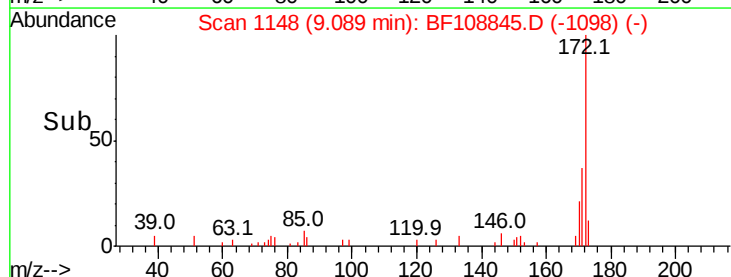
170 21.5 19.6 29.4

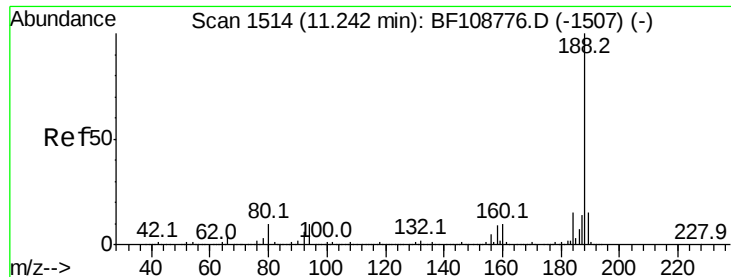


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

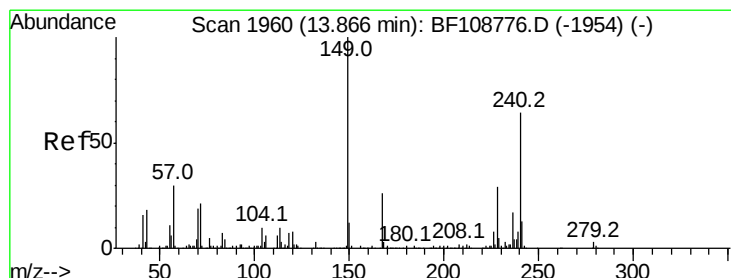
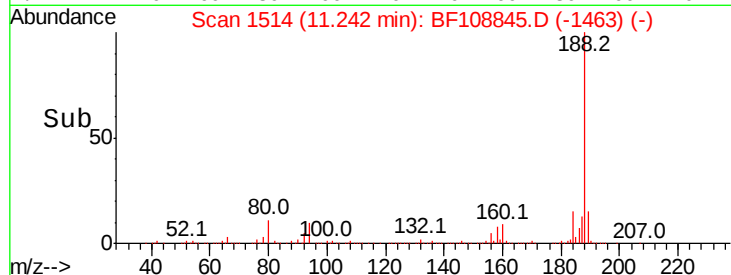
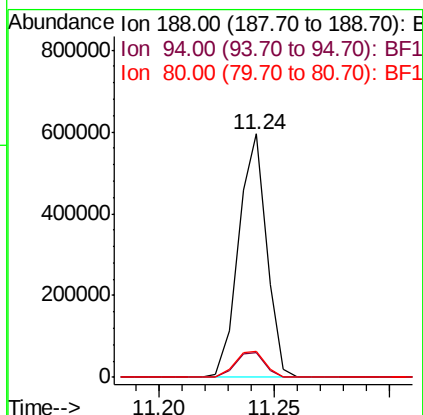
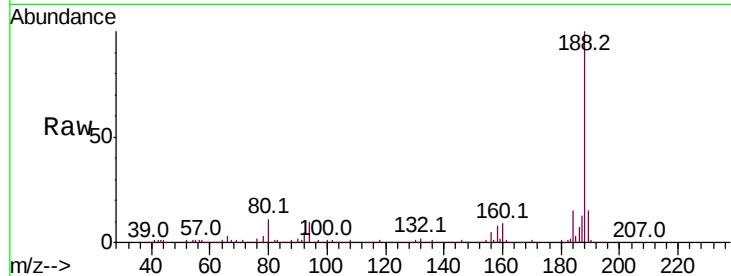




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.24 min Scan# 1514  
Delta R.T. 0.00 min  
Lab File: BF108845.D  
Acq: 7 Sep 2018 1:14

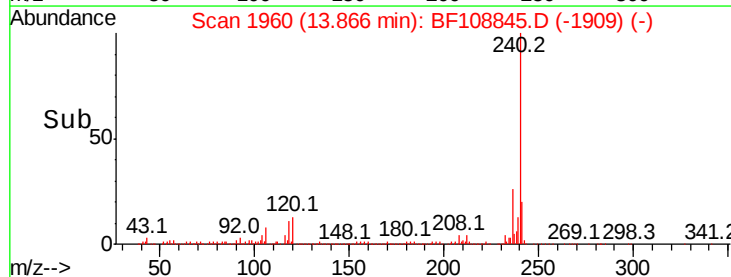
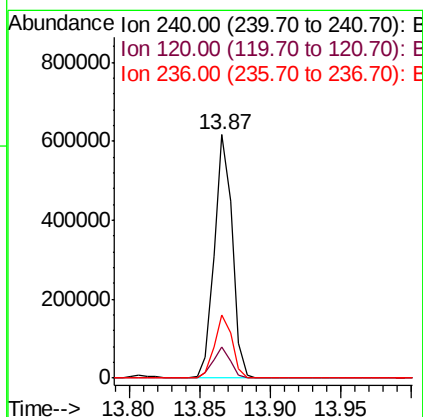
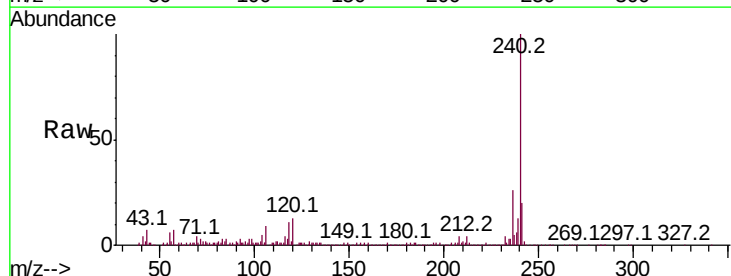
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WASTE-WATER

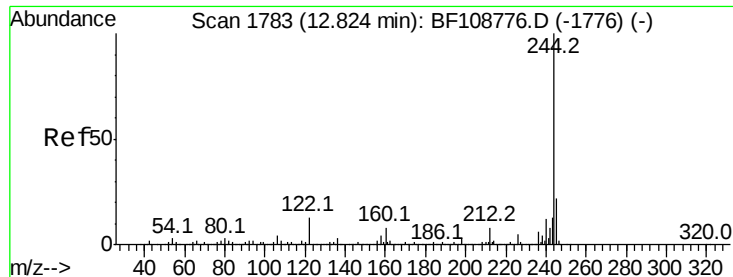
Tot Ion:188 Resp: 501619  
Ion Ratio Lower Upper  
188 100  
94 10.3 8.5 12.7  
80 10.8 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.87 min Scan# 1960  
Delta R.T. 0.00 min  
Lab File: BF108845.D  
Acq: 7 Sep 2018 1:14

Tgt Ion:240 Resp: 539088  
Ion Ratio Lower Upper  
240 100  
120 12.7 9.5 14.3  
236 26.1 20.7 31.1





#78

Terphenyl-d14

Concen: 0.359 ng

RT: 12.82 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF108845.D

Acq: 7 Sep 2018 1:14

Instrument :

BNA\_F

ClientSampleId :

EFF-WASTE-WATER

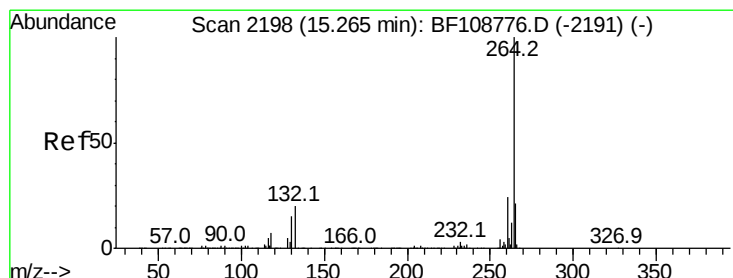
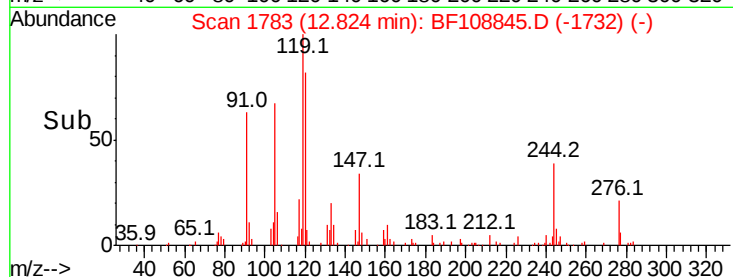
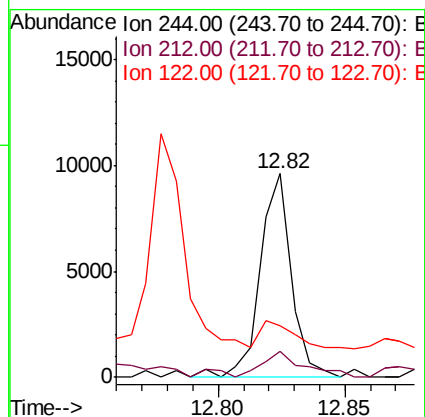
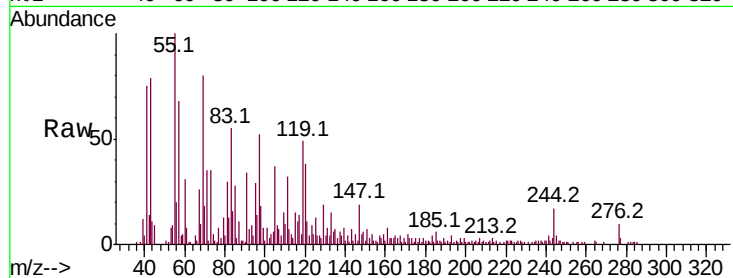
Tot Ion:244 Resp: 8310

Ion Ratio Lower Upper

244 100

212 12.8 5.4 8.0#

122 25.4 11.0 16.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BF108845.D

Acq: 7 Sep 2018 1:14

Tgt Ion:264 Resp: 582600

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

265 21.7 17.5 26.3

