

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\  
 Data File : BF109203.D  
 Acq On : 21 Sep 2018 00:53  
 Operator : JU/SJ  
 Sample : J4993-01  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NS-CONCRETE

Quant Time: Sep 21 09:16:26 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 14 13:26:52 2018  
 Response via : Initial Calibration

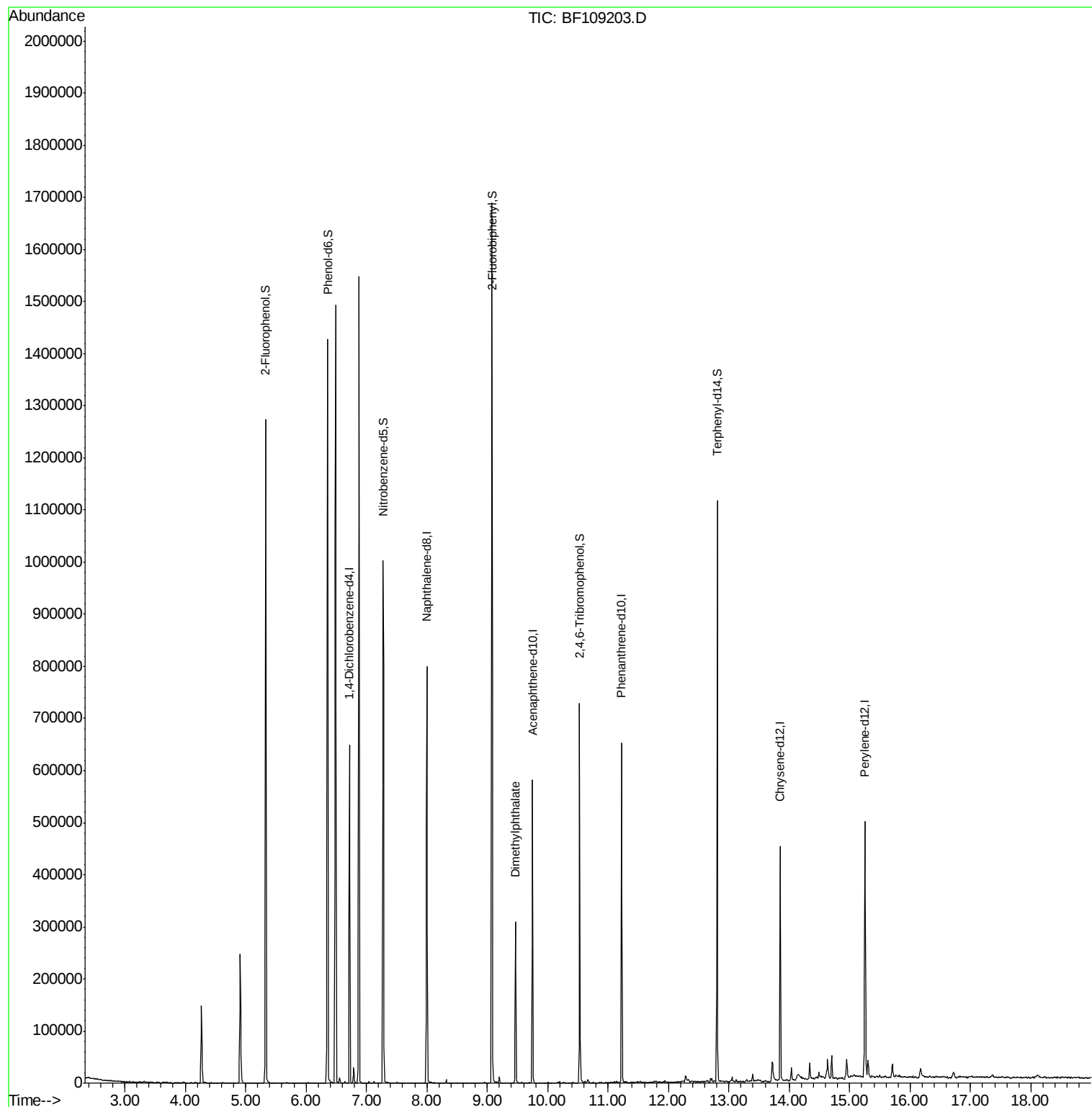
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 80439    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.00  | 136  | 311283   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.75  | 164  | 105430   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.22 | 188  | 208836   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.85 | 240  | 142419   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.25 | 264  | 217410   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 342816   | 70.78  | ng    | 0.00     |
| 7) Phenol-d6                | 6.36  | 99   | 526355   | 84.28  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.28  | 82   | 337567   | 60.82  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.53 | 330  | 73901    | 64.59  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.08  | 172  | 473722   | 70.40  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.81 | 244  | 328810   | 54.72  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.47  | 163  | 107266   | 14.235 | ng    | 99       |

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

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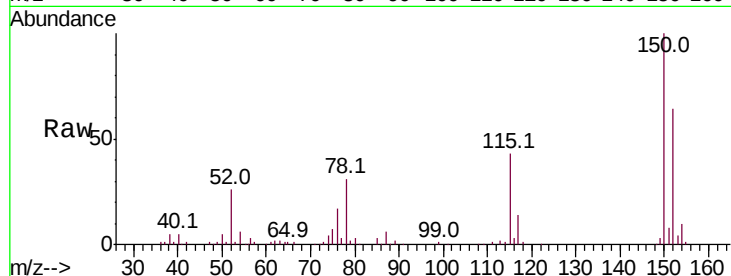


#1

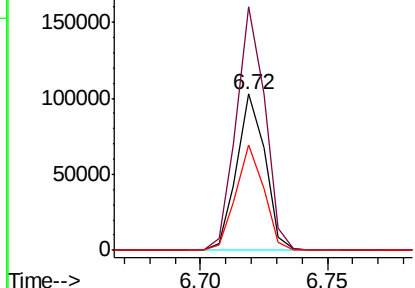
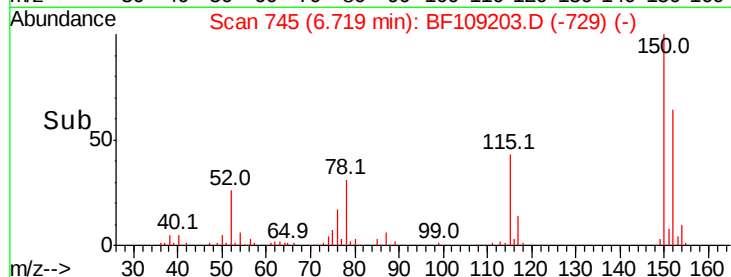
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 745  
 Delta R.T. -0.01 min  
 Lab File: BF109203.D  
 Acq: 21 Sep 2018 00:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NS-CONCRETE

Tot Ion:152 Resp: 80439  
 Ion Ratio Lower Upper  
 152 100  
 150 156.0 124.6 186.8  
 115 67.3 50.1 75.1



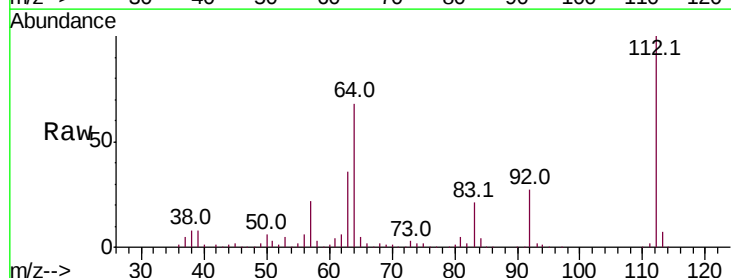
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



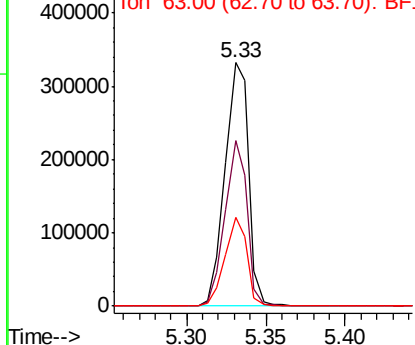
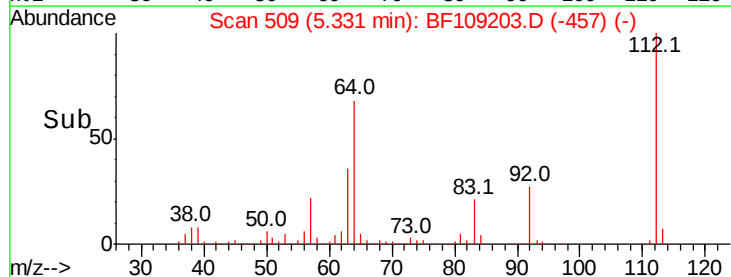
#5

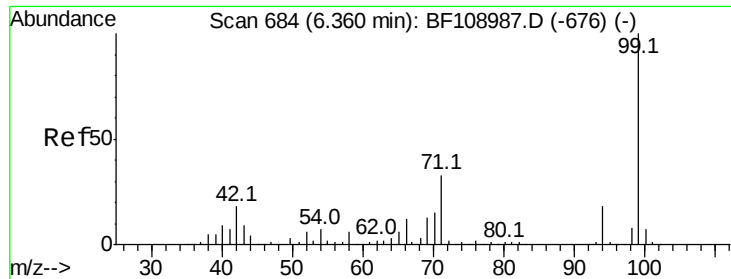
2-Fluorophenol  
 Concen: 70.784 ng  
 RT: 5.33 min Scan# 509  
 Delta R.T. 0.01 min  
 Lab File: BF109203.D  
 Acq: 21 Sep 2018 00:53

Tgt Ion:112 Resp: 342816  
 Ion Ratio Lower Upper  
 112 100  
 64 68.0 47.9 71.9  
 63 36.3 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: 84.284 ng

RT: 6.36 min Scan# 684

Delta R.T. -0.00 min

Lab File: BF109203.D

Acq: 21 Sep 2018 00:53

Instrument :

BNA\_F

ClientSampleId :

NS-CONCRETE

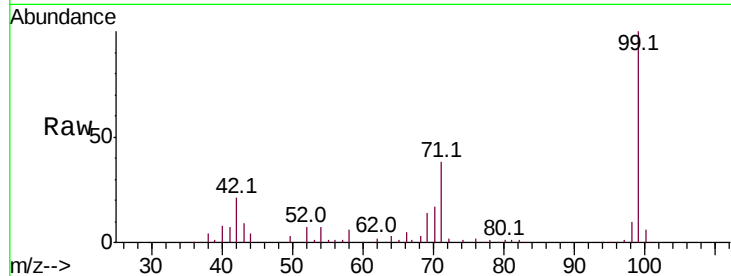
Tot Ion: 99 Resp: 526355

Ion Ratio Lower Upper

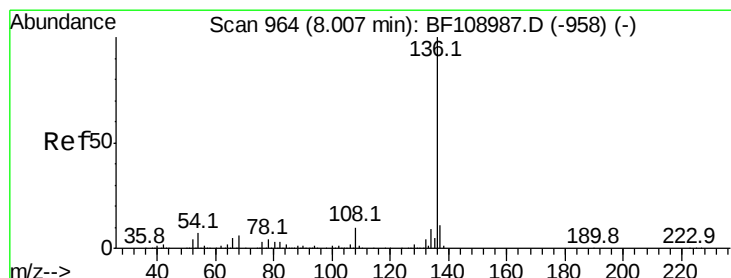
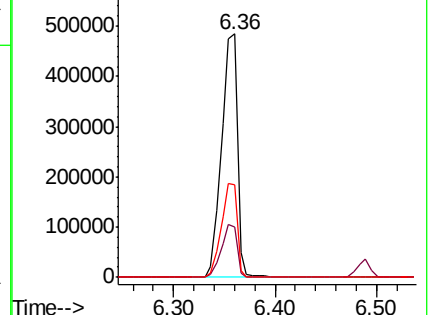
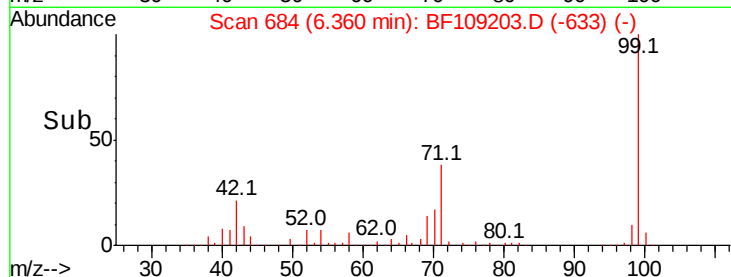
99 100

42 20.5 14.5 21.7

71 37.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.00 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF109203.D

Acq: 21 Sep 2018 00:53

Tgt Ion: 136 Resp: 311283

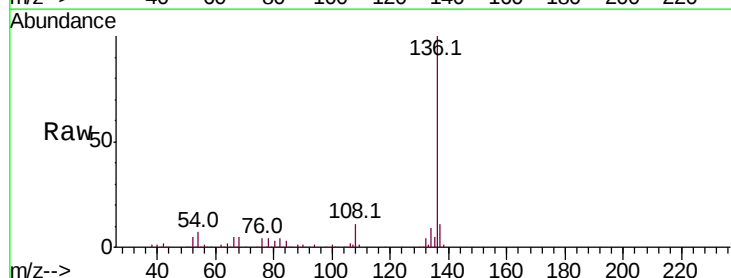
Ion Ratio Lower Upper

136 100

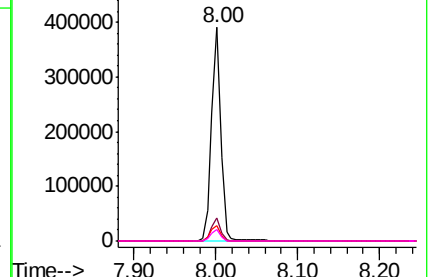
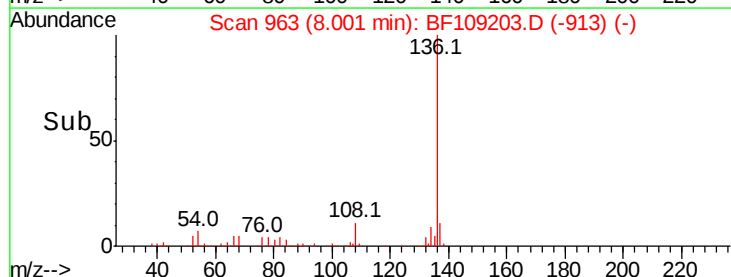
137 10.9 8.9 13.3

54 7.2 6.6 9.8

68 5.5 5.0 7.4



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): BF1  
Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 60.824 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.01 min

Lab File: BF109203.D

Acq: 21 Sep 2018 00:53

Instrument :

BNA\_F

ClientSampleId :

NS-CONCRETE

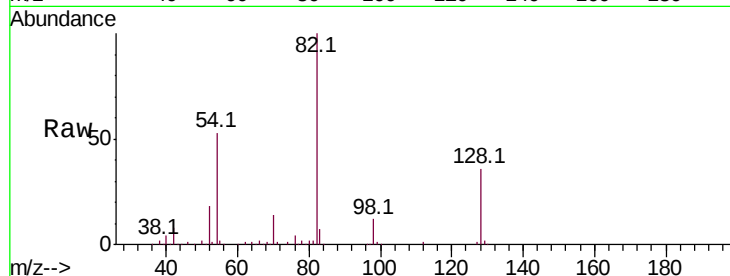
Tot Ion: 82 Resp: 337567

Ion Ratio Lower Upper

82 100

128 35.8 36.1 54.1#

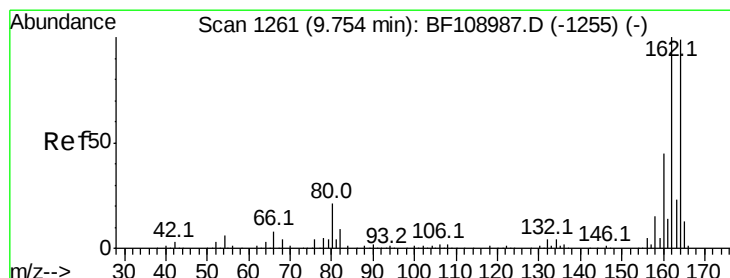
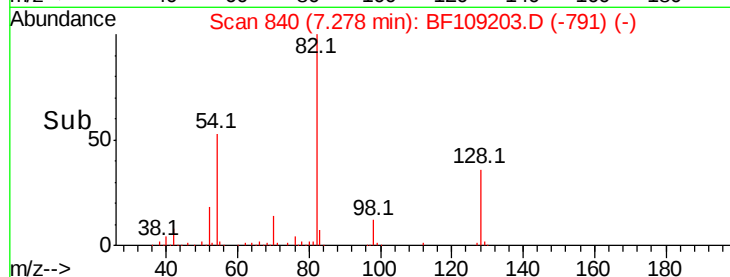
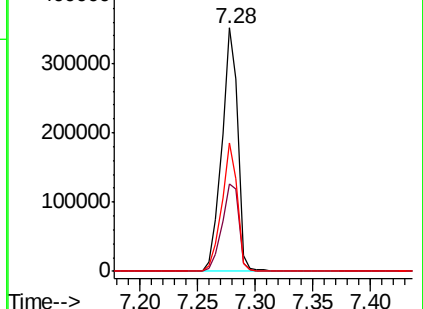
54 52.5 41.4 62.2



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: 9.75 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF109203.D

Acq: 21 Sep 2018 00:53

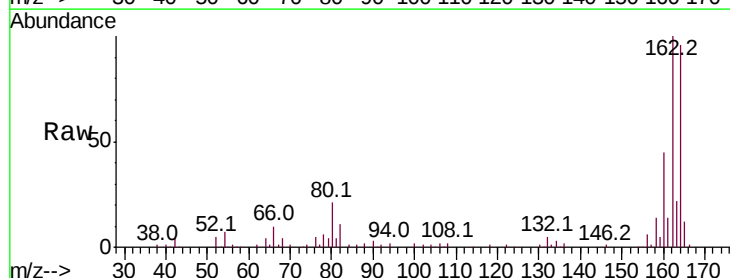
Tgt Ion: 164 Resp: 105430

Ion Ratio Lower Upper

164 100

162 104.4 86.1 129.1

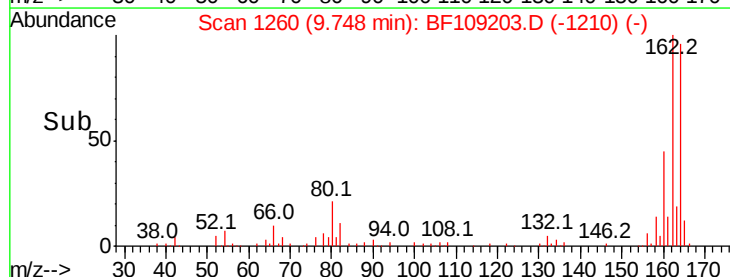
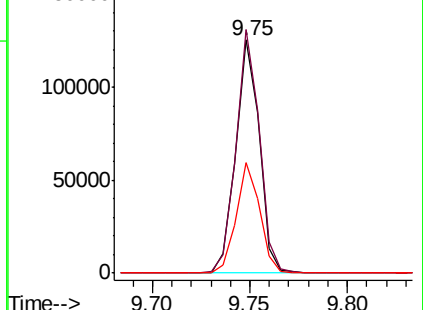
160 47.2 38.3 57.5

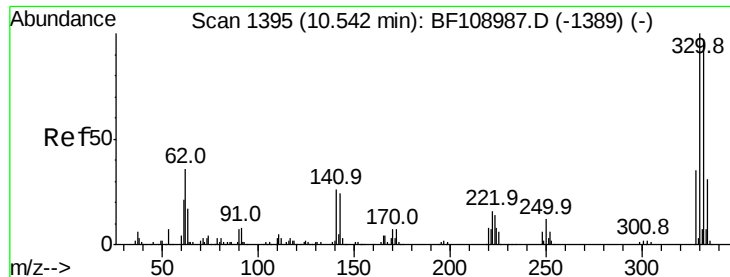


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

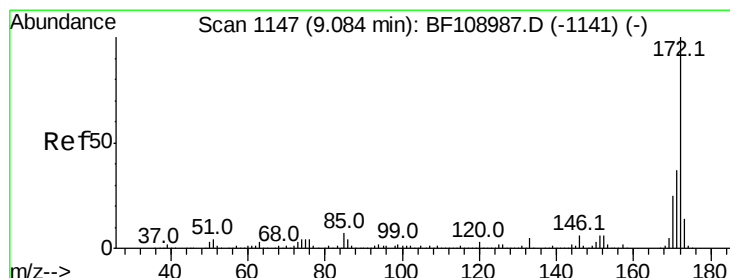
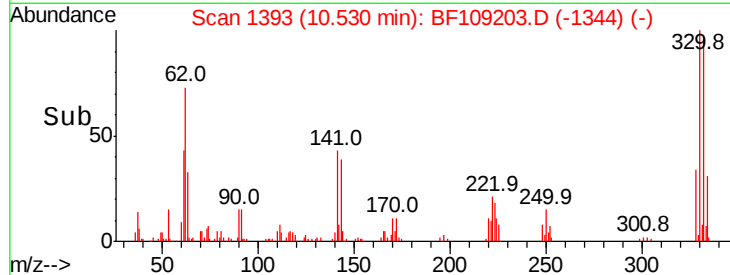
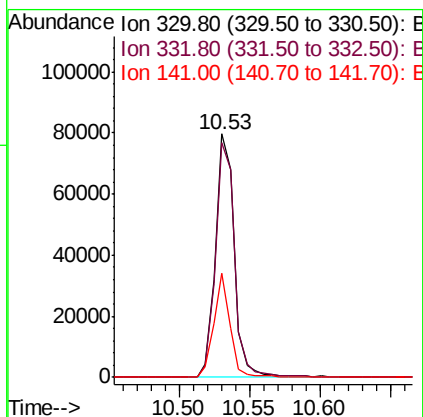
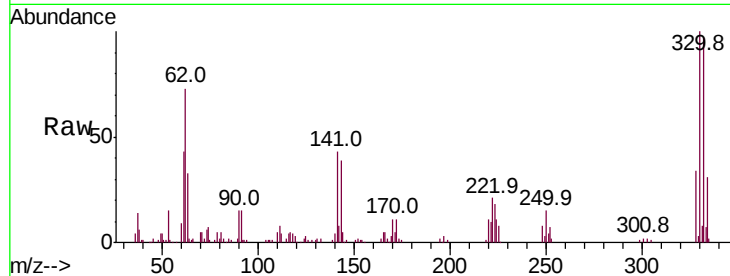




#41  
 2,4,6-Tribromophenol  
 Concen: 64.588 ng  
 RT: 10.53 min Scan# 1393  
 Delta R.T. -0.01 min  
 Lab File: BF109203.D  
 Acq: 21 Sep 2018 00:53

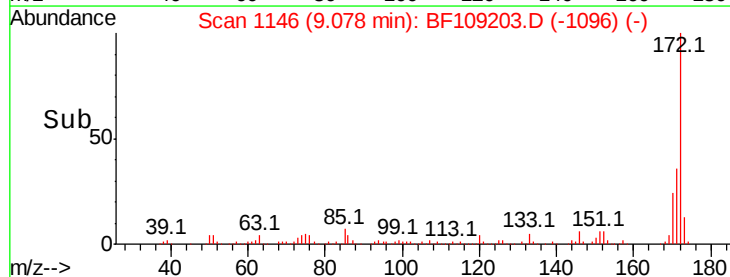
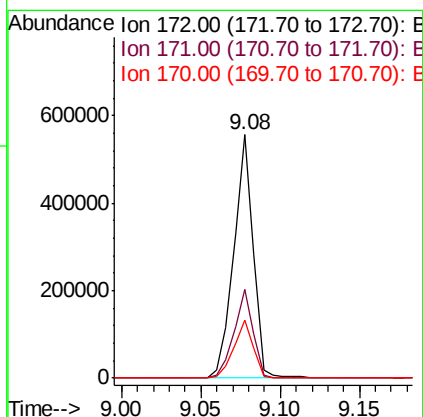
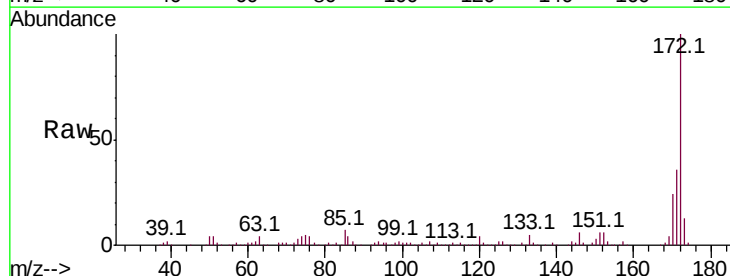
Instrument :  
 BNA\_F  
 ClientSampleId :  
 NS-CONCRETE

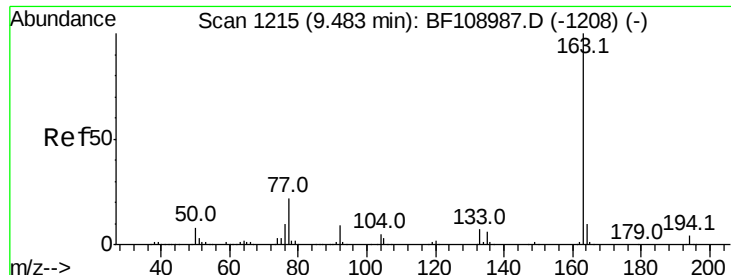
Tot Ion:330 Resp: 73901  
 Ion Ratio Lower Upper  
 330 100  
 332 97.9 77.0 115.6  
 141 36.9 29.9 44.9



#44  
 2-Fluorobiphenyl  
 Concen: 70.397 ng  
 RT: 9.08 min Scan# 1146  
 Delta R.T. -0.01 min  
 Lab File: BF109203.D  
 Acq: 21 Sep 2018 00:53

Tgt Ion:172 Resp: 473722  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.7 44.5  
 170 24.0 19.6 29.4

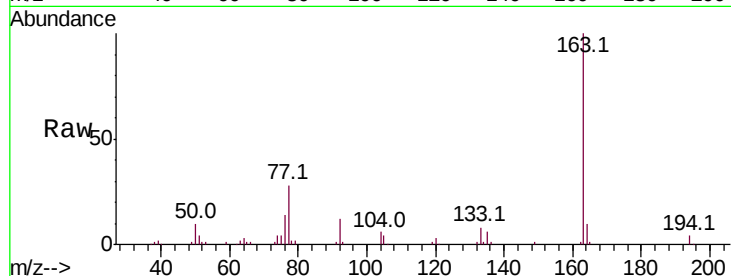




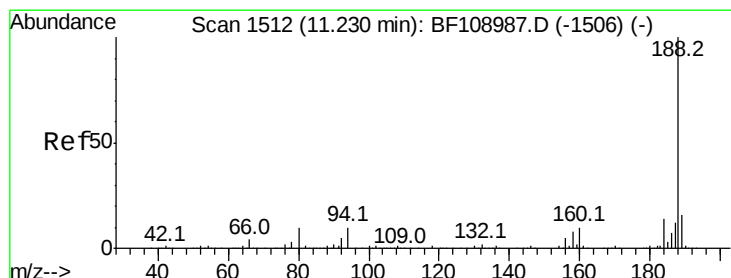
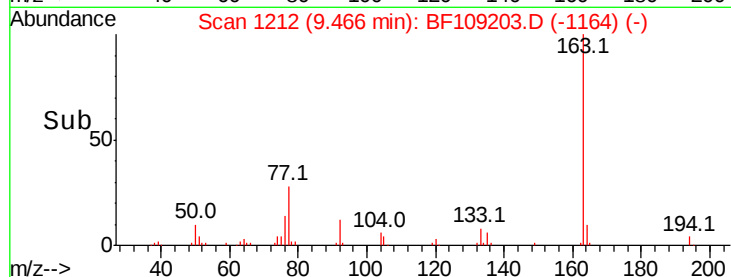
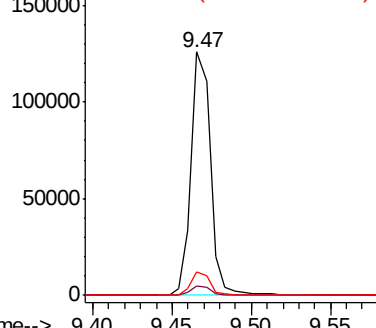
#49  
 Dimethylphthalate  
 Concen: 14.235 ng  
 RT: 9.47 min Scan# 1212  
 Delta R.T. -0.02 min  
 Lab File: BF109203.D  
 Acq: 21 Sep 2018 00:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NS-CONCRETE

Tot Ion:163 Resp: 107266  
 Ion Ratio Lower Upper  
 163 100  
 194 3.7 2.7 4.1  
 164 9.9 8.2 12.2

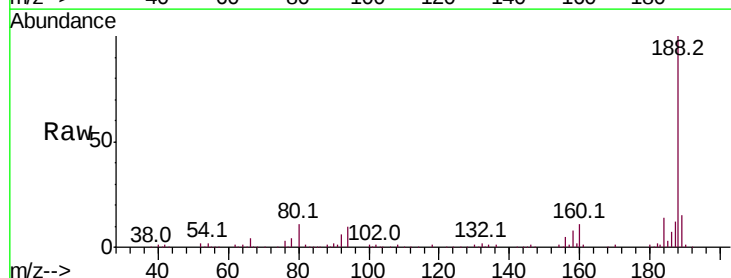


Abundance Ion 163.00 (162.70 to 163.70): E  
 Ion 194.00 (193.70 to 194.70): E  
 Ion 164.00 (163.70 to 164.70): E

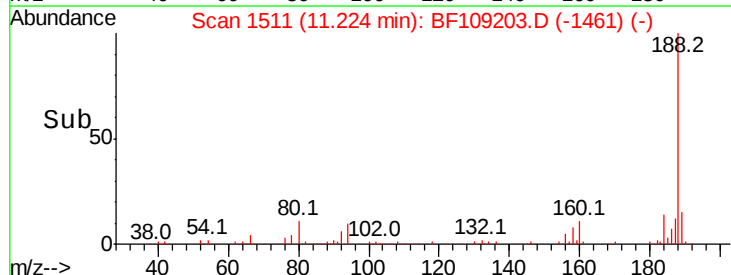
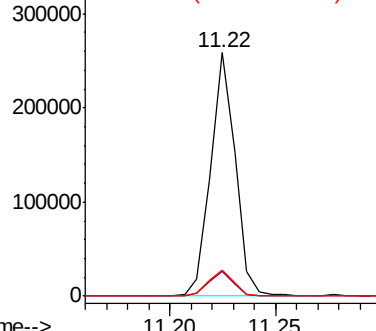


#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.22 min Scan# 1511  
 Delta R.T. -0.01 min  
 Lab File: BF109203.D  
 Acq: 21 Sep 2018 00:53

Tgt Ion:188 Resp: 208836  
 Ion Ratio Lower Upper  
 188 100  
 94 10.4 8.5 12.7  
 80 10.9 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: 13.85 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BF109203.D

Acq: 21 Sep 2018 00:53

Instrument :

BNA\_F

ClientSampleId :

NS-CONCRETE

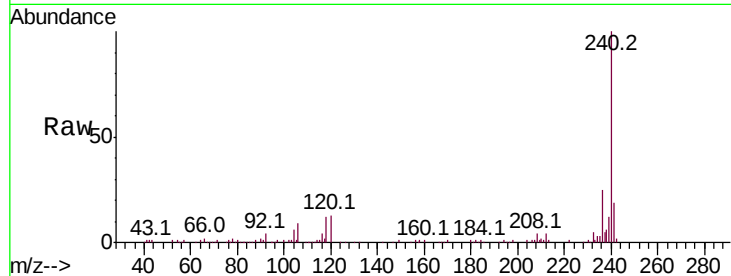
Tot Ion:240 Resp: 142419

Ion Ratio Lower Upper

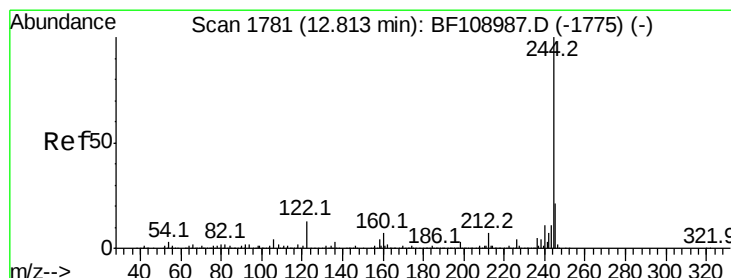
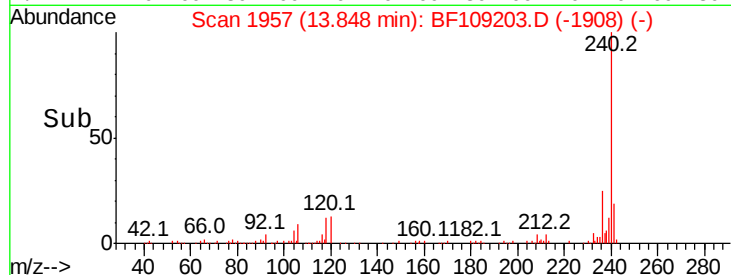
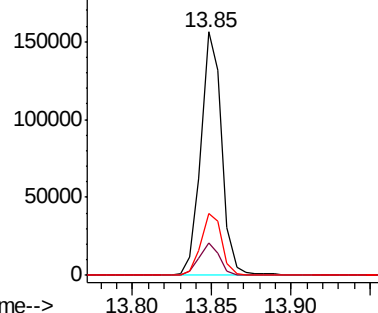
240 100

120 13.4 9.5 14.3

236 25.4 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: 54.724 ng

RT: 12.81 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF109203.D

Acq: 21 Sep 2018 00:53

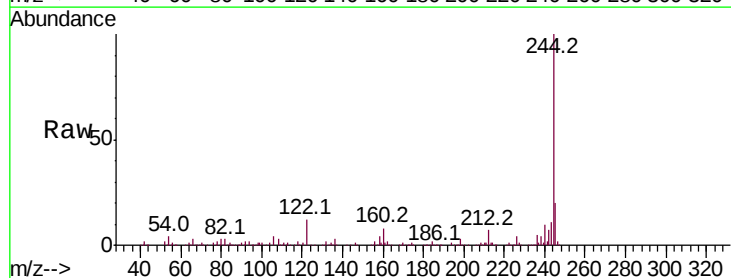
Tgt Ion:244 Resp: 328810

Ion Ratio Lower Upper

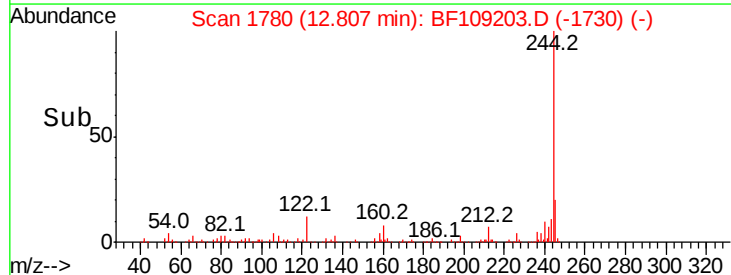
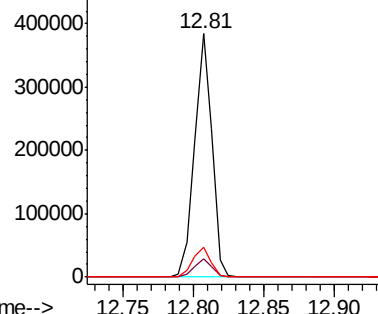
244 100

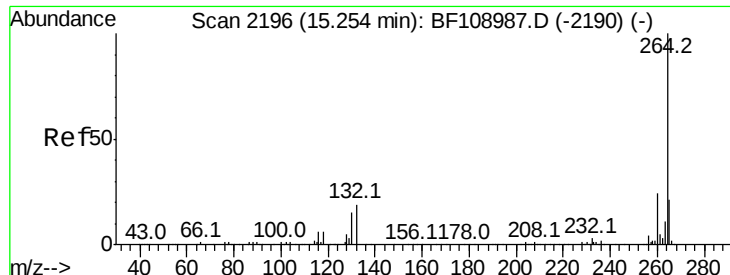
212 7.5 5.4 8.0

122 12.4 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

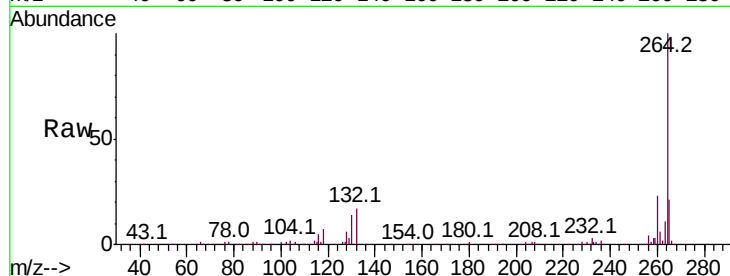




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.25 min Scan# 2196  
Delta R.T. -0.00 min  
Lab File: BF109203.D  
Acq: 21 Sep 2018 00:53

Instrument :  
BNA\_F  
ClientSampleId :  
NS-CONCRETE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 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

