

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\  
 Data File : BF109245.D  
 Acq On : 23 Sep 2018 2:52  
 Operator : JU/SJ  
 Sample : J4993-01  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NS-CONCRETE

Quant Time: Sep 24 08:18:44 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 22 13:32:18 2018  
 Response via : Initial Calibration

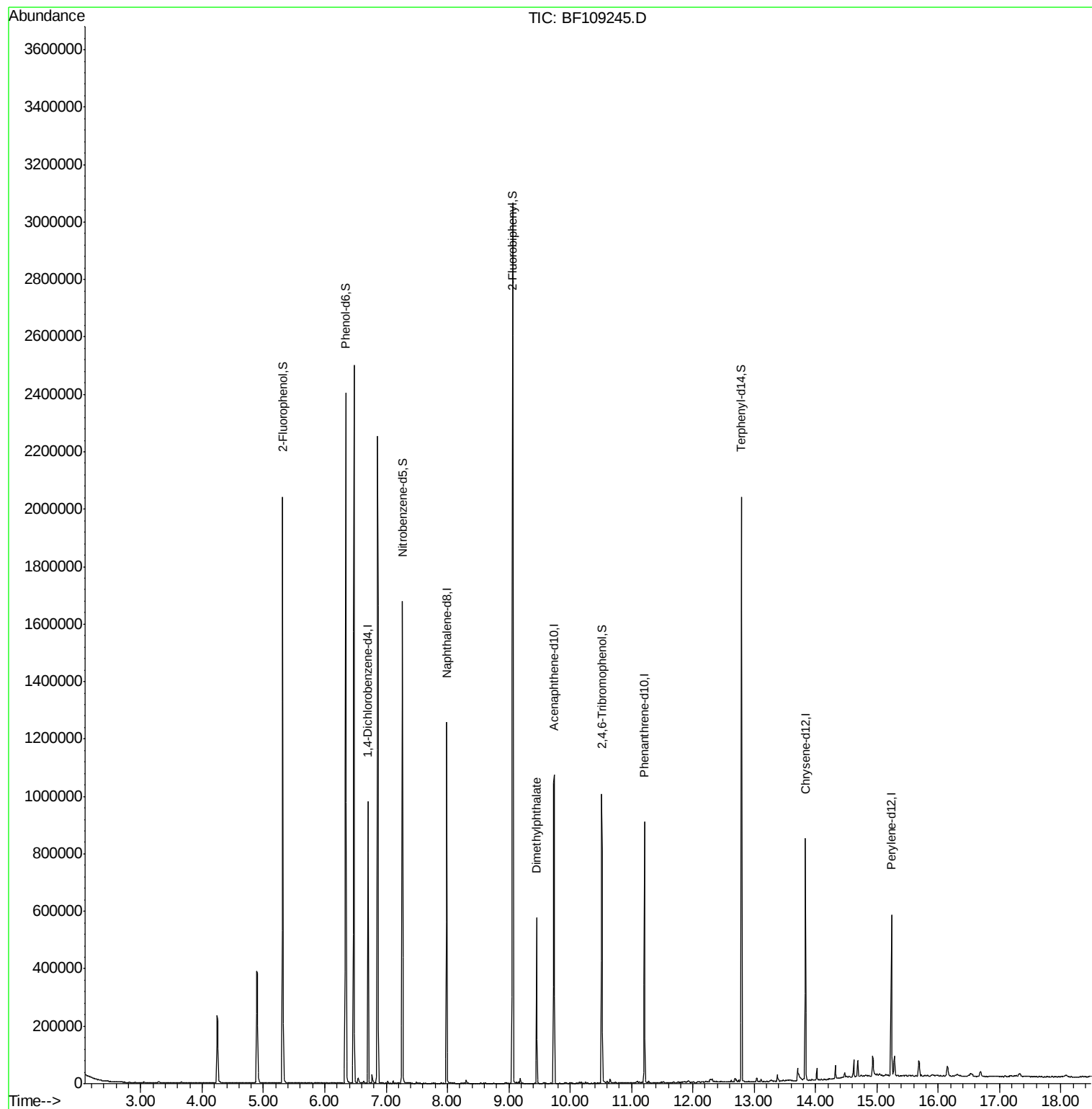
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 138672   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.99  | 136  | 509421   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.73  | 164  | 216527   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.21 | 188  | 325307   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.84 | 240  | 293689   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.24 | 264  | 243557   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 601348   | 71.43  | ng    | 0.00     |
| 7) Phenol-d6                | 6.35  | 99   | 838845   | 78.08  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 541642   | 62.77  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 114249   | 53.52  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.06  | 172  | 948228   | 66.05  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.79 | 244  | 678281   | 56.68  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.46  | 163  | 200448   | 12.728 | ng    | 98       |

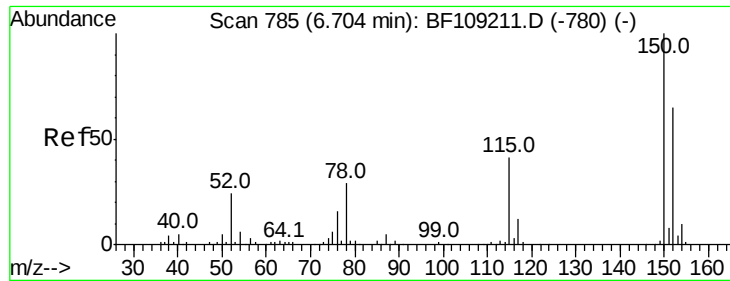
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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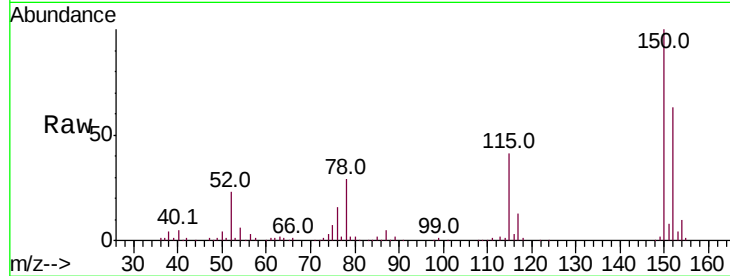


#1

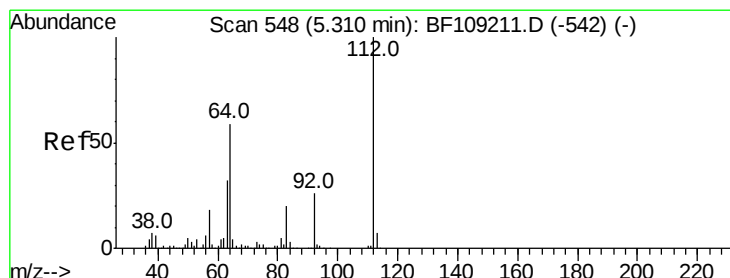
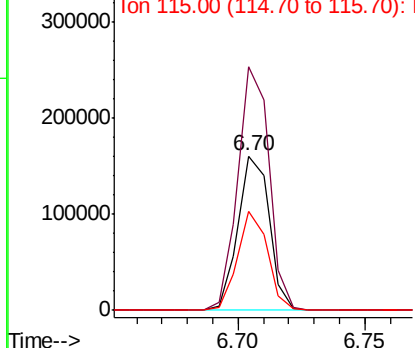
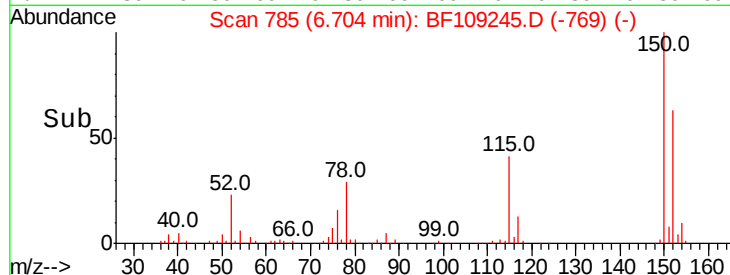
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF109245.D  
Acq: 23 Sep 2018 2:52

Instrument :  
BNA\_F  
ClientSampleId :  
NS-CONCRETE

Tot Ion:152 Resp: 138672  
Ion Ratio Lower Upper  
152 100  
150 157.6 124.6 186.8  
115 64.1 50.1 75.1



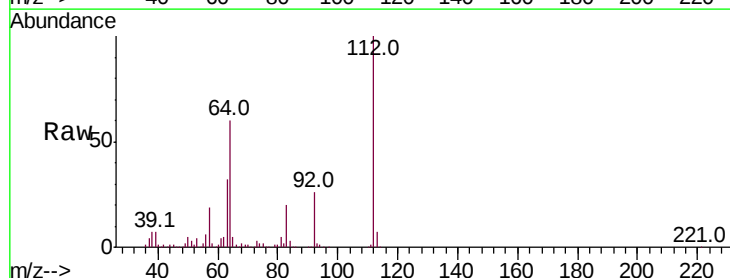
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



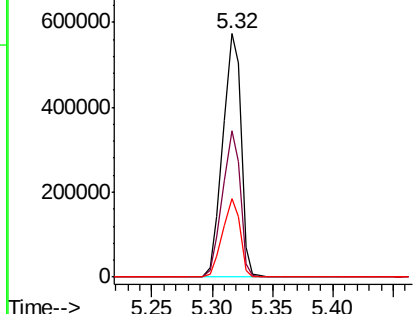
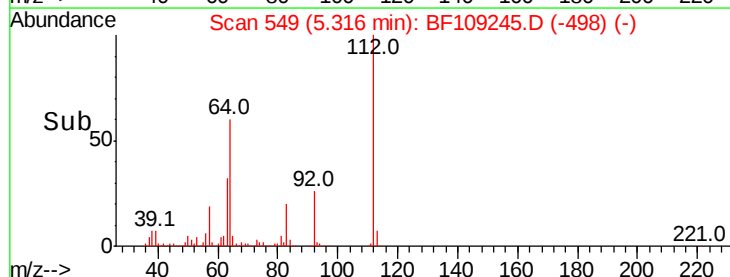
#5

2-Fluorophenol  
Concen: 71.425 ng  
RT: 5.32 min Scan# 549  
Delta R.T. -0.00 min  
Lab File: BF109245.D  
Acq: 23 Sep 2018 2:52

Tgt Ion:112 Resp: 601348  
Ion Ratio Lower Upper  
112 100  
64 60.3 47.9 71.9  
63 32.0 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: 78.081 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109245.D

Acq: 23 Sep 2018 2:52

Instrument :

BNA\_F

ClientSampleId :

NS-CONCRETE

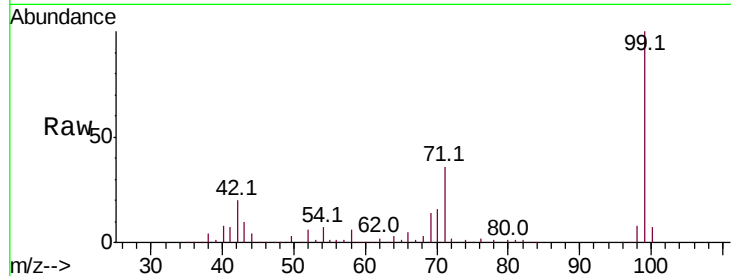
Tot Ion: 99 Resp: 838845

Ion Ratio Lower Upper

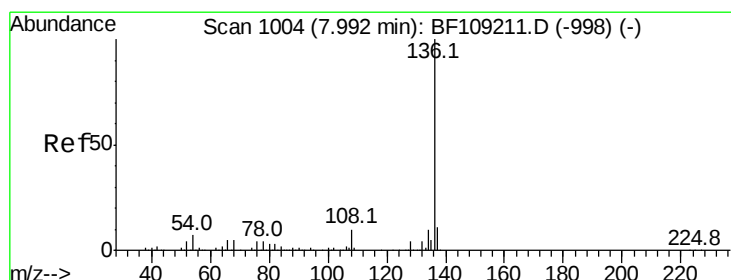
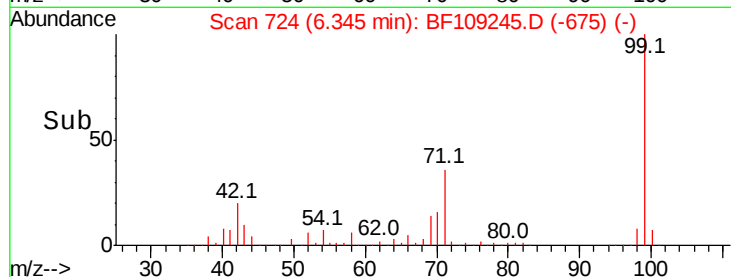
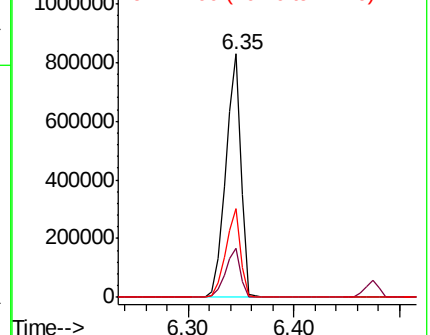
99 100

42 20.1 14.5 21.7

71 36.4 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: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109245.D

Acq: 23 Sep 2018 2:52

Tgt Ion: 136 Resp: 509421

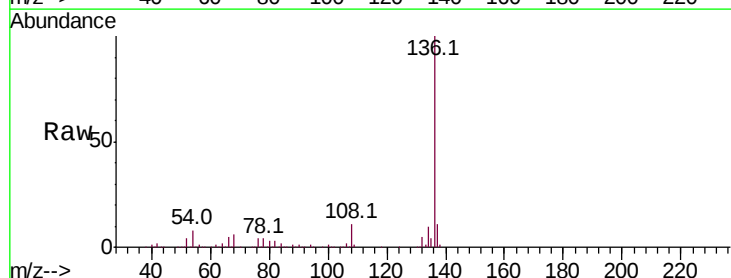
Ion Ratio Lower Upper

136 100

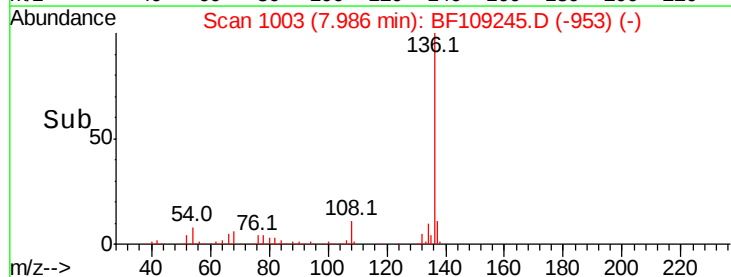
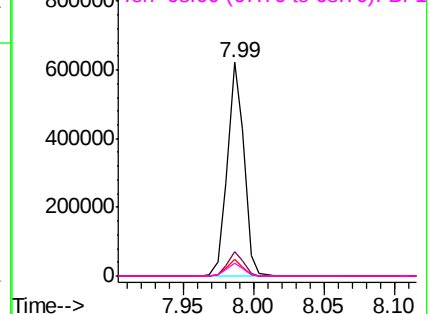
137 11.3 8.9 13.3

54 7.5 6.6 9.8

68 5.9 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

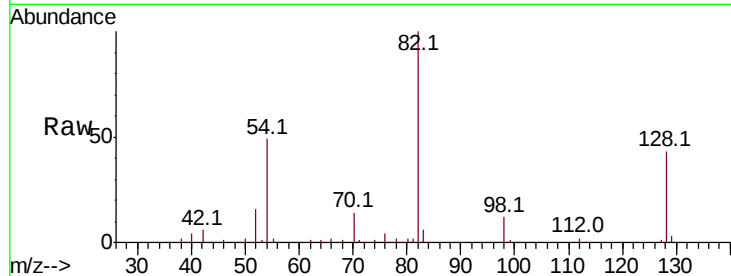




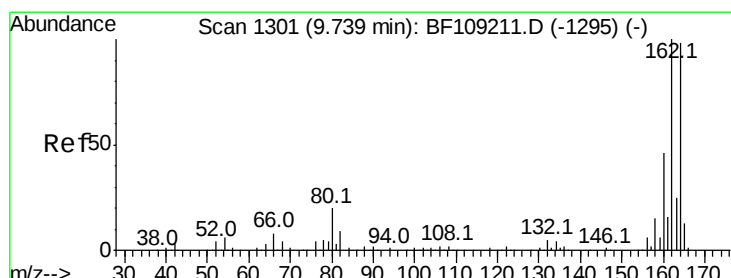
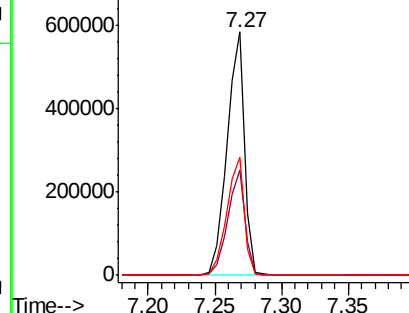
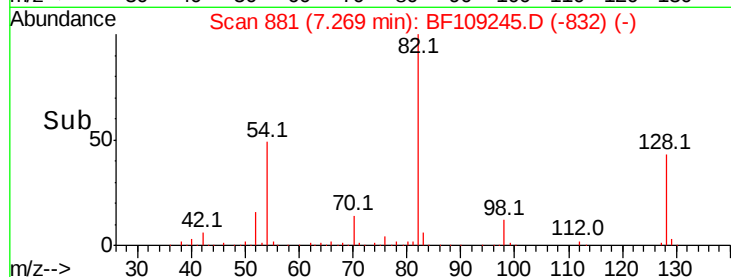
#23  
 Nitrobenzene-d5  
 Concen: 62.765 ng  
 RT: 7.27 min Scan# 881  
 Delta R.T. -0.01 min  
 Lab File: BF109245.D  
 Acq: 23 Sep 2018 2:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NS-CONCRETE

| Tot Ion   | 82    | Resp  | 541642 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 43.3  | 36.1  | 54.1   |
| 54        | 48.7  | 41.4  | 62.2   |

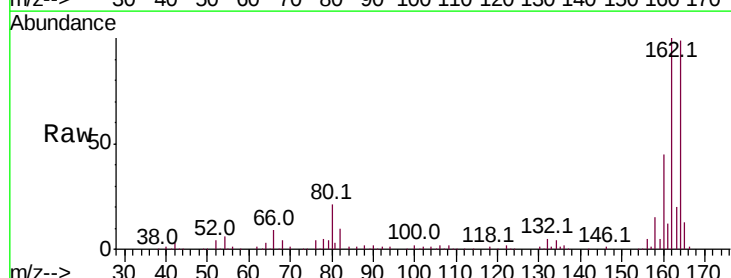


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

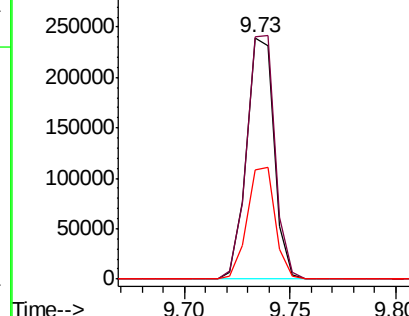
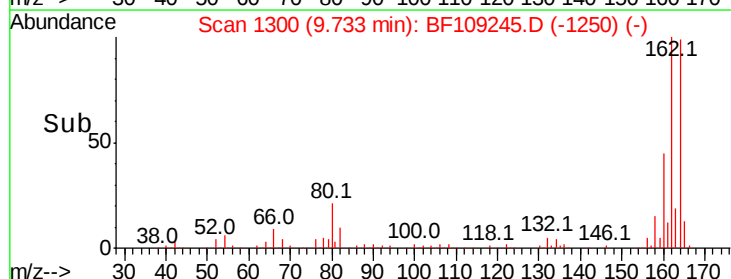


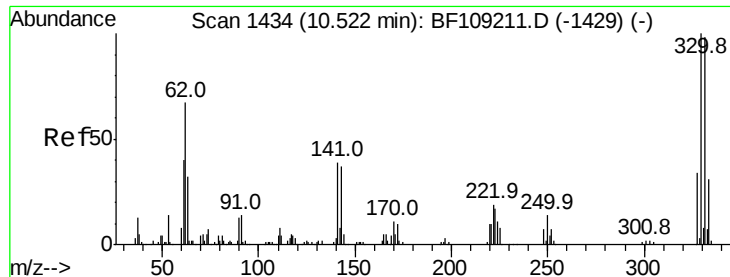
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.73 min Scan# 1300  
 Delta R.T. -0.01 min  
 Lab File: BF109245.D  
 Acq: 23 Sep 2018 2:52

| Tgt Ion   | 164   | Resp  | 216527 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 100.5 | 86.1  | 129.1  |
| 160       | 44.9  | 38.3  | 57.5   |



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

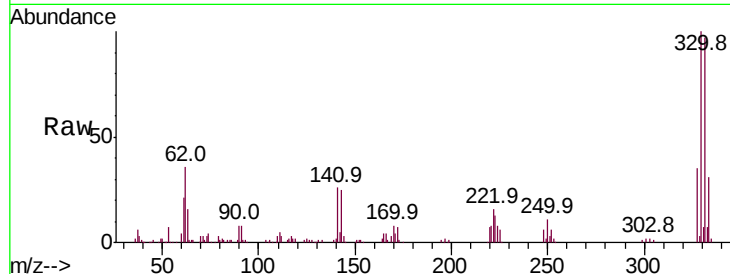




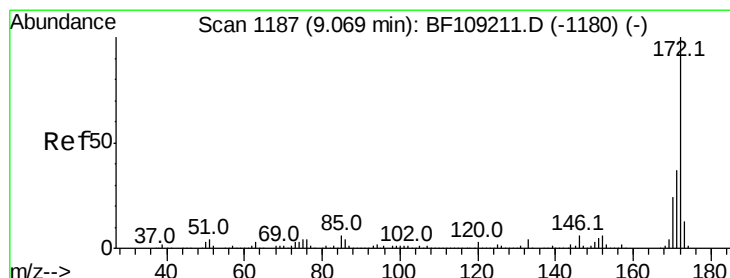
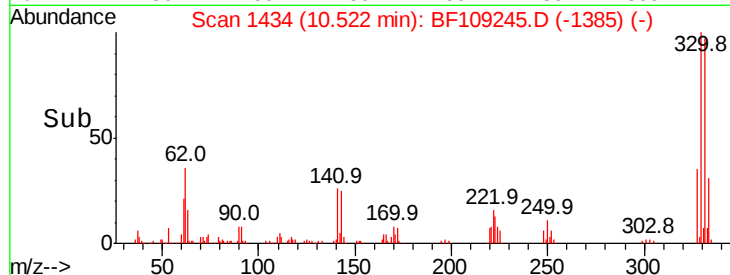
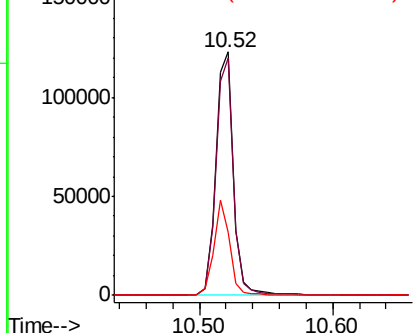
#41  
 2,4,6-Tribromophenol  
 Concen: 53.525 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. -0.01 min  
 Lab File: BF109245.D  
 Acq: 23 Sep 2018 2:52

Instrument :  
 BNA\_F  
 ClientSampleId :  
 NS-CONCRETE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 77.0  | 115.6 |
| 141     | 35.0  | 29.9  | 44.9  |

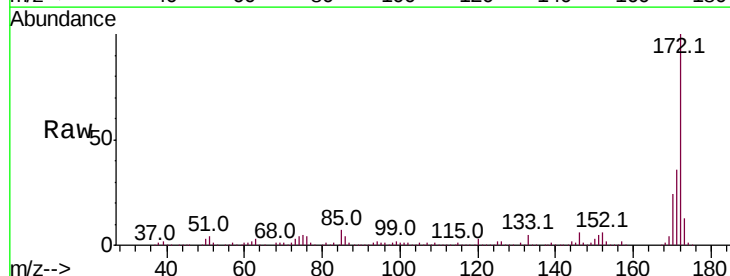


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

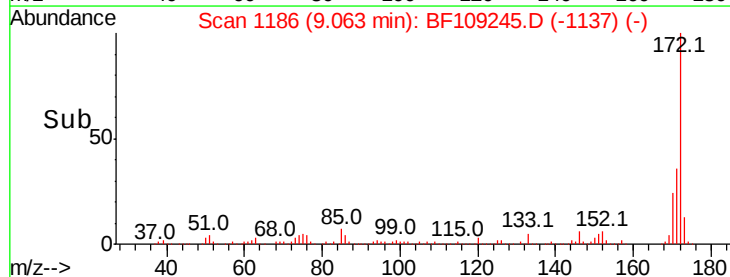
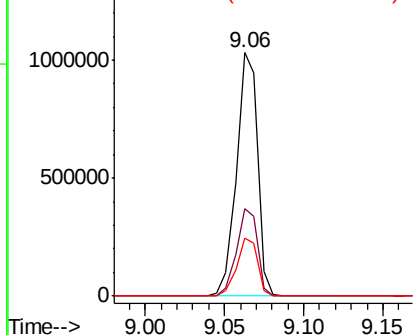


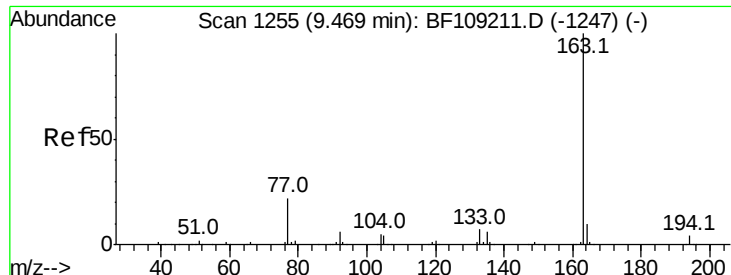
#44  
 2-Fluorobiphenyl  
 Concen: 66.048 ng  
 RT: 9.06 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF109245.D  
 Acq: 23 Sep 2018 2:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.7  | 44.5  |
| 170     | 23.9  | 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

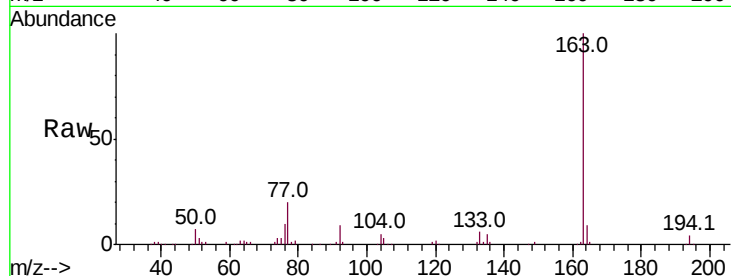




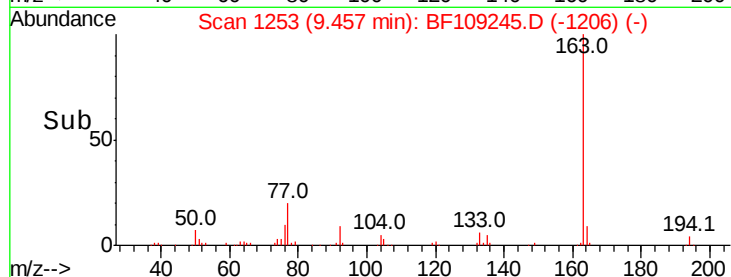
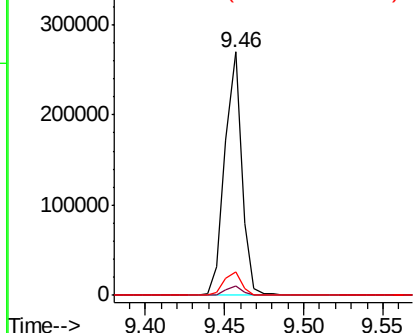
#49  
Dimethylphthalate  
Concen: 12.728 ng  
RT: 9.46 min Scan# 1253  
Delta R.T. -0.02 min  
Lab File: BF109245.D  
Acq: 23 Sep 2018 2:52

Instrument :  
BNA\_F  
ClientSampleId :  
NS-CONCRETE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.9   | 2.7   | 4.1   |
| 164     | 9.5   | 8.2   | 12.2  |

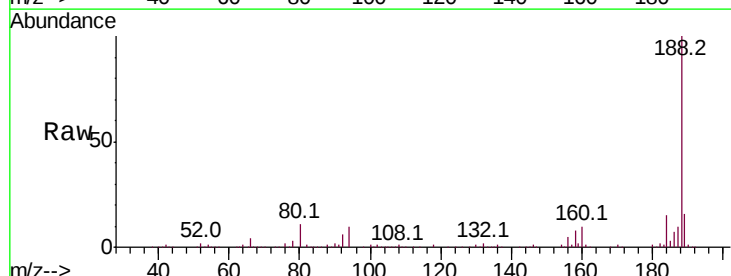


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

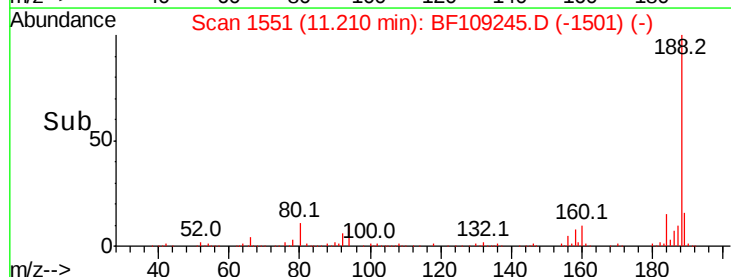
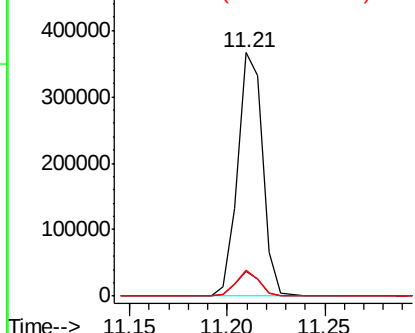


#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.21 min Scan# 1551  
Delta R.T. -0.01 min  
Lab File: BF109245.D  
Acq: 23 Sep 2018 2:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.2  | 8.5   | 12.7  |
| 80      | 10.6  | 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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109245.D

Acq: 23 Sep 2018 2:52

Instrument :

BNA\_F

ClientSampleId :

NS-CONCRETE

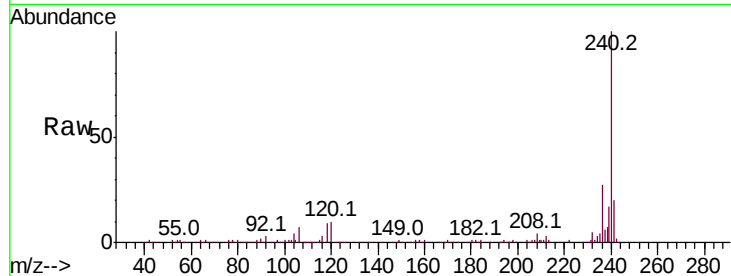
Tot Ion:240 Resp: 293689

Ion Ratio Lower Upper

240 100

120 9.7 9.5 14.3

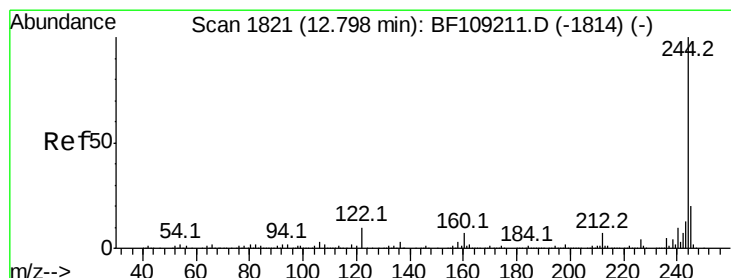
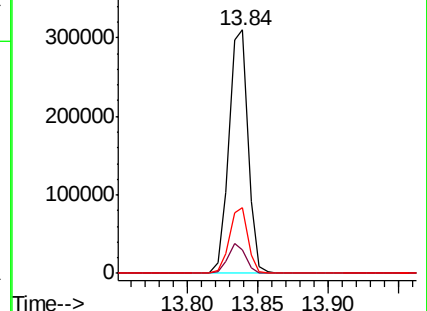
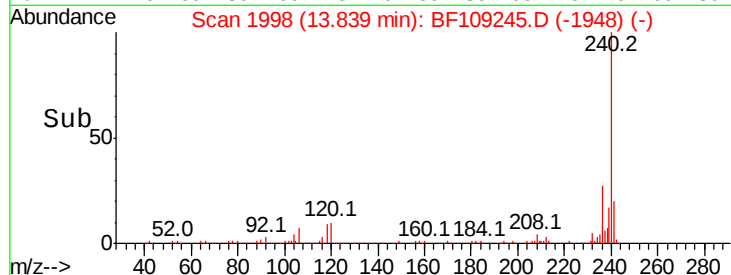
236 26.9 20.7 31.1



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: 56.679 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109245.D

Acq: 23 Sep 2018 2:52

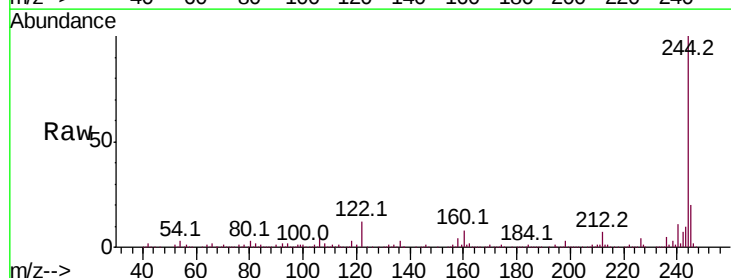
Tgt Ion:244 Resp: 678281

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

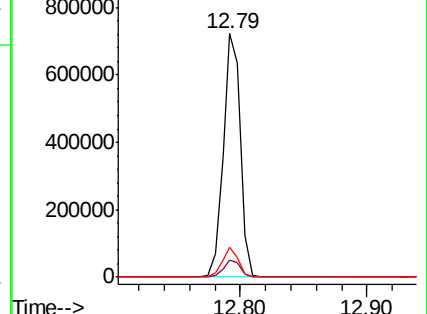
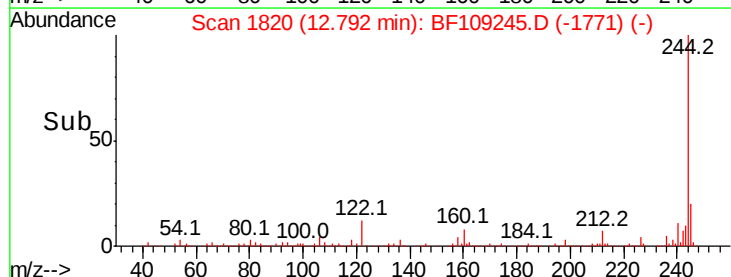
122 12.4 11.0 16.4

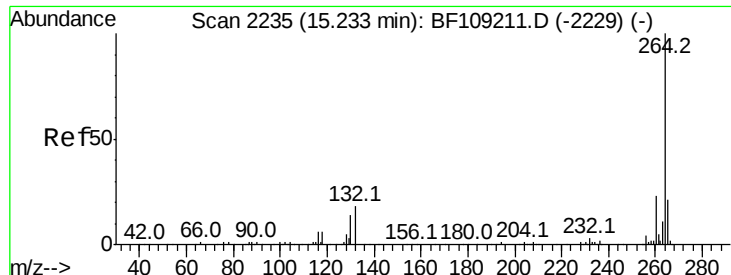


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.24 min Scan# 2236  
Delta R.T. -0.00 min  
Lab File: BF109245.D  
Acq: 23 Sep 2018 2:52

Instrument :  
BNA\_F  
ClientSampleId :  
NS-CONCRETE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.2  | 28.8  |
| 265     | 20.9  | 17.5  | 26.3  |

