

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\  
 Data File : BF108899.D  
 Acq On : 10 Sep 2018 18:03  
 Operator : JU/SJ  
 Sample : J4836-03  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-02-025-B

Quant Time: Sep 10 18:53:21 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

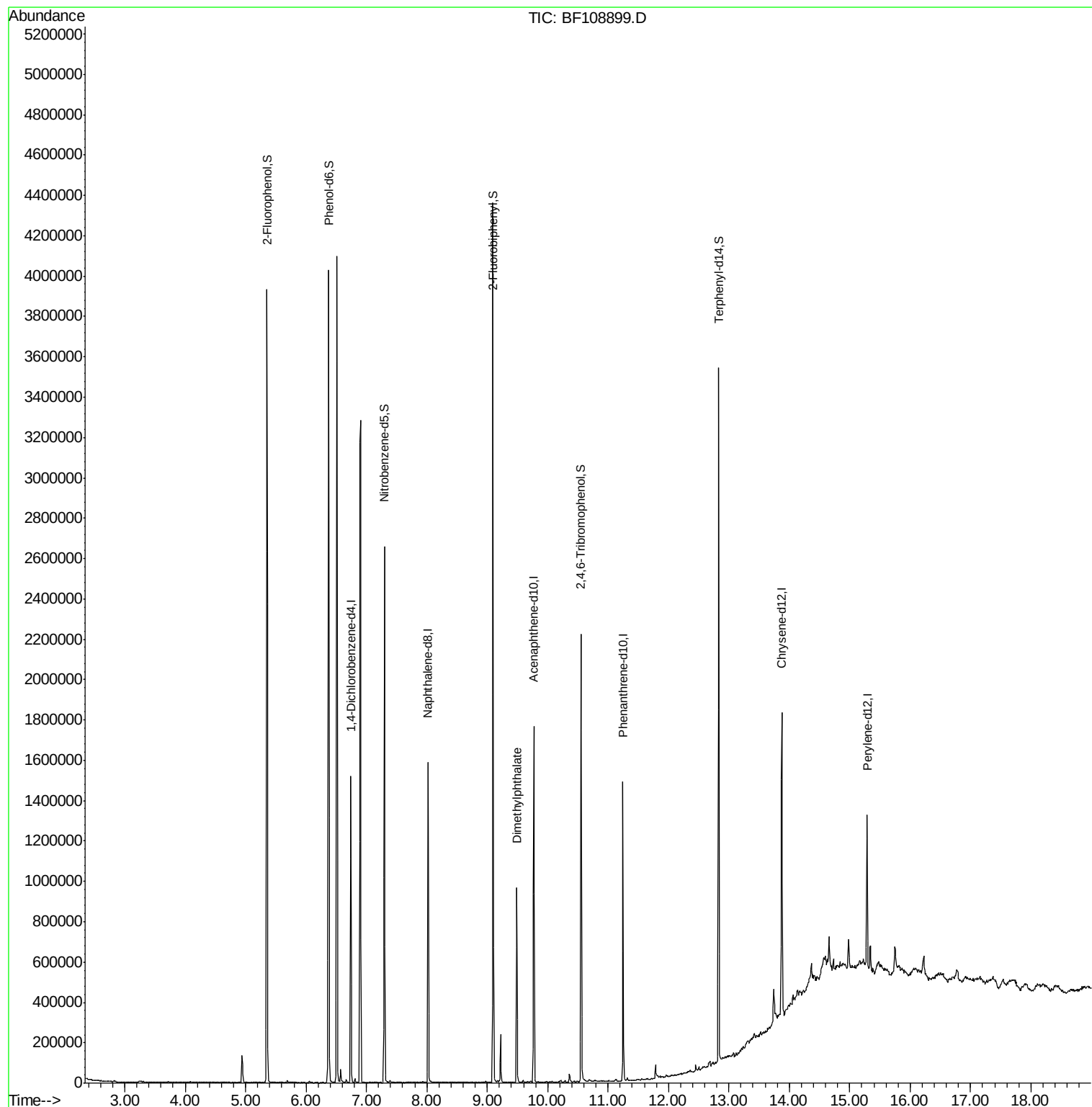
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 199760   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.02  | 136  | 720281   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.77  | 164  | 300971   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.25 | 188  | 493900   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.88 | 240  | 486543   | 20.00  | ng    | 0.01     |
| 86) Perylene-d12            | 15.29 | 264  | 339994   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.35  | 112  | 1106240  | 91.74  | ng    | 0.02     |
| 7) Phenol-d6                | 6.38  | 99   | 1385503  | 89.30  | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.30  | 82   | 840937   | 73.06  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.56 | 330  | 262756   | 91.45  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.10  | 172  | 1385029  | 78.51  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.83 | 244  | 1191018  | 57.08  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.49  | 163  | 349520   | 16.604 | ng    | 99       |

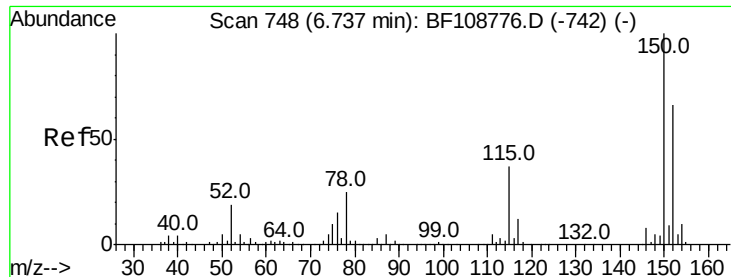
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-02-025-B

Quant Time: Sep 10 18:53:21 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



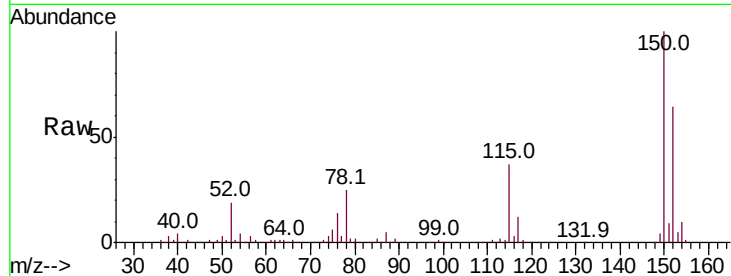


#1

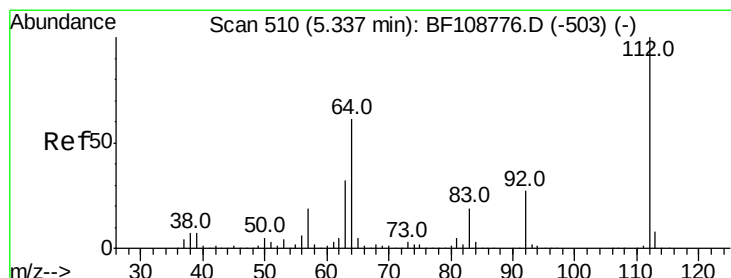
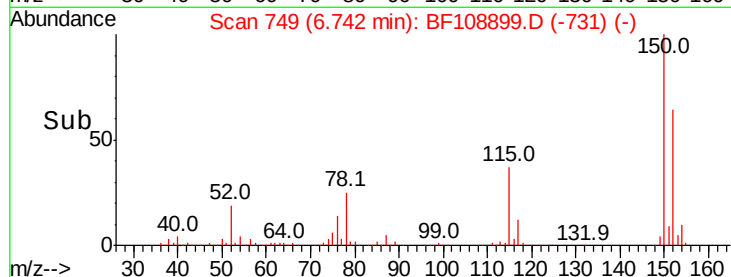
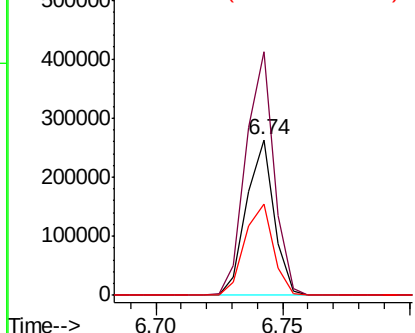
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.74 min Scan# 749  
Delta R.T. 0.01 min  
Lab File: BF108899.D  
Acq: 10 Sep 2018 18:03

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-02-025-B

Tot Ion:152 Resp: 199760  
Ion Ratio Lower Upper  
152 100  
150 156.6 124.6 186.8  
115 58.4 50.1 75.1



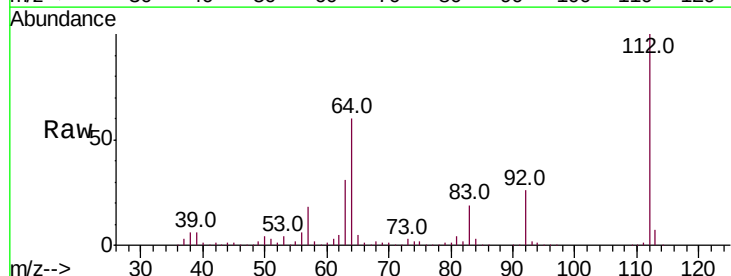
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



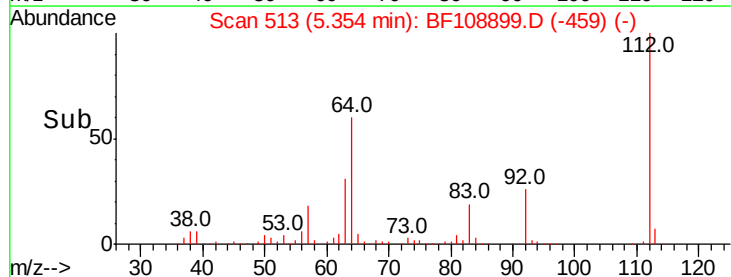
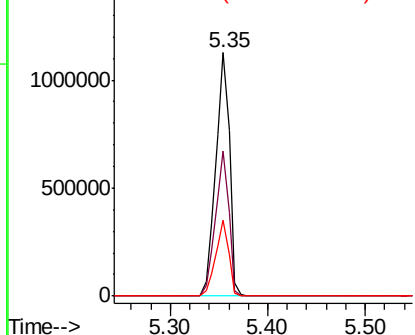
#5

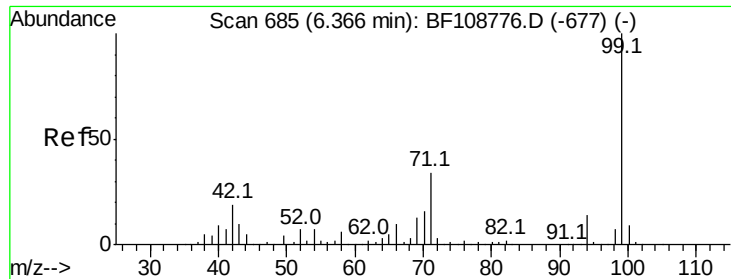
2-Fluorophenol  
Concen: 91.744 ng  
RT: 5.35 min Scan# 513  
Delta R.T. 0.02 min  
Lab File: BF108899.D  
Acq: 10 Sep 2018 18:03

Tgt Ion:112 Resp: 1106240  
Ion Ratio Lower Upper  
112 100  
64 59.8 47.9 71.9  
63 31.1 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: 89.304 ng

RT: 6.38 min Scan# 687

Delta R.T. 0.01 min

Lab File: BF108899.D

Acq: 10 Sep 2018 18:03

Instrument :

BNA\_F

ClientSampleId :

FK-GF-02-025-B

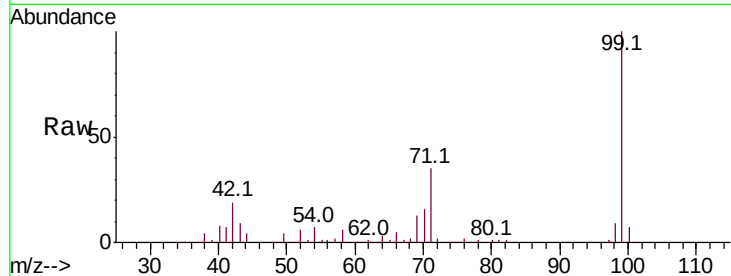
Tot Ion: 99 Resp: 1385503

Ion Ratio Lower Upper

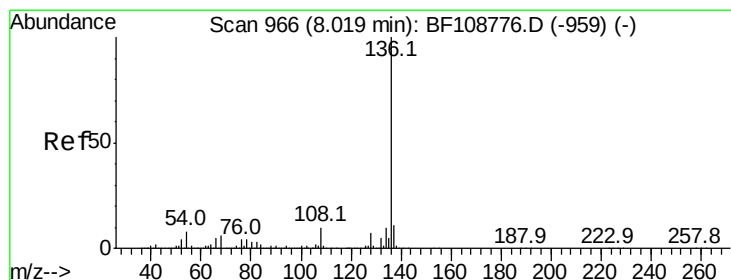
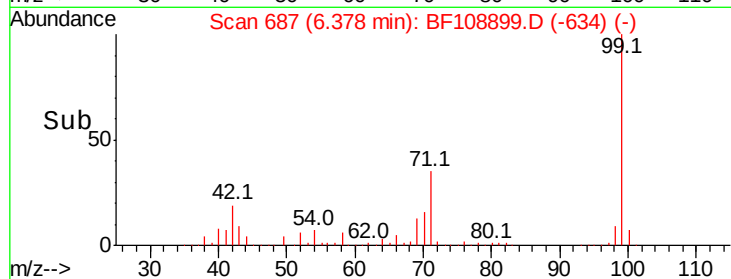
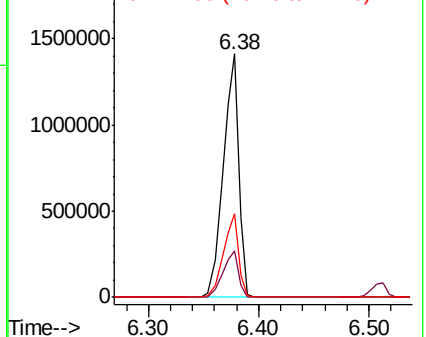
99 100

42 19.3 14.5 21.7

71 34.5 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: 8.02 min Scan# 967

Delta R.T. 0.01 min

Lab File: BF108899.D

Acq: 10 Sep 2018 18:03

Tgt Ion: 136 Resp: 720281

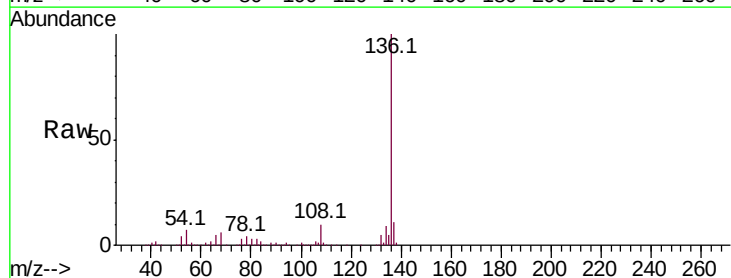
Ion Ratio Lower Upper

136 100

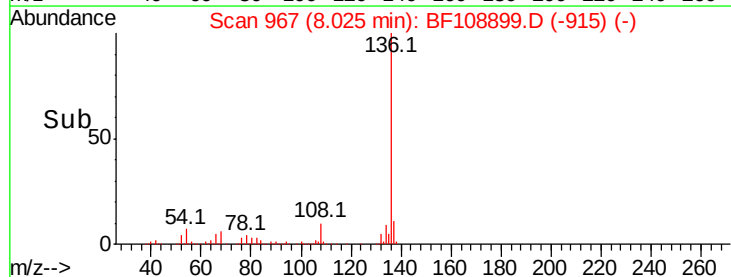
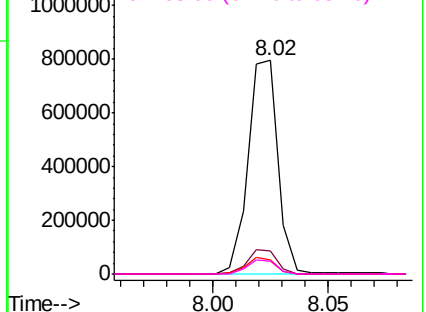
137 10.8 8.9 13.3

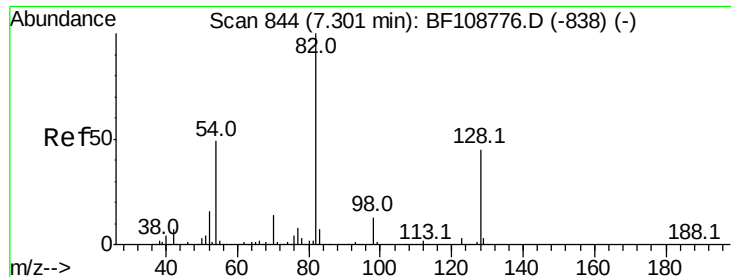
54 6.6 6.6 9.8

68 6.0 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

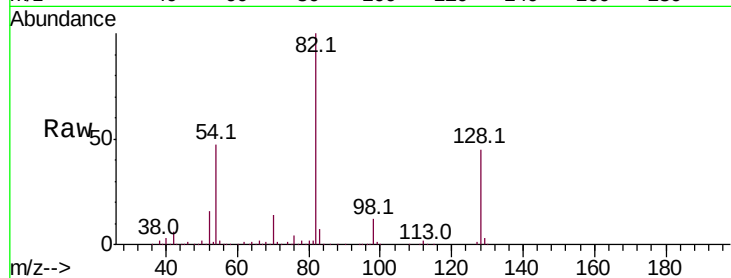




#23  
Nitrobenzene-d5  
Concen: 73.064 ng  
RT: 7.30 min Scan# 844  
Delta R.T. -0.00 min  
Lab File: BF108899.D  
Acq: 10 Sep 2018 18:03

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-02-025-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 45.0  | 36.1  | 54.1  |
| 54      | 47.5  | 41.4  | 62.2  |

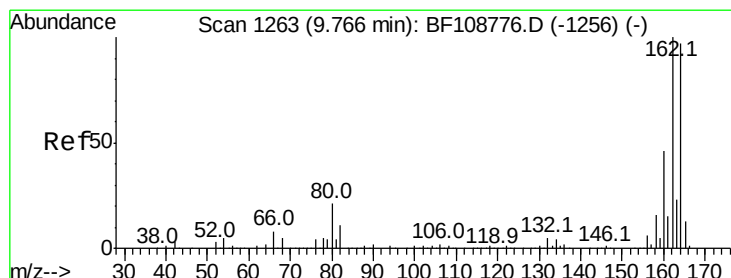
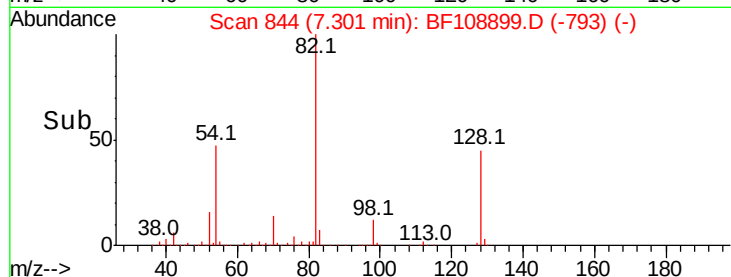
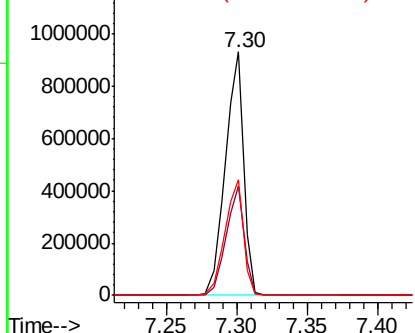


Abundance

Ion 82.00 (81.70 to 82.70): BF1

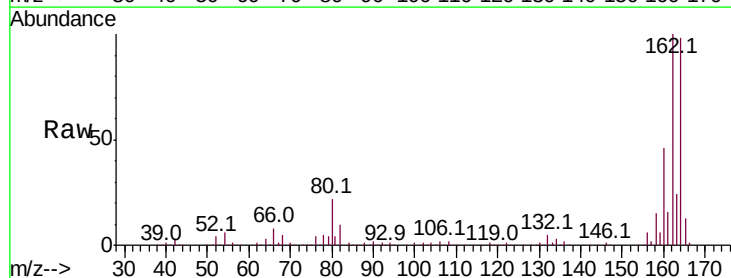
Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.77 min Scan# 1264  
Delta R.T. 0.01 min  
Lab File: BF108899.D  
Acq: 10 Sep 2018 18:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.9 | 86.1  | 129.1 |
| 160     | 46.6  | 38.3  | 57.5  |

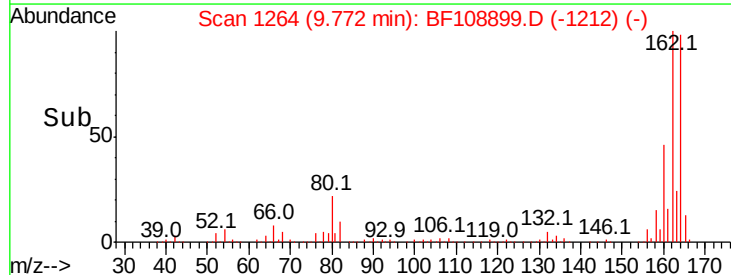
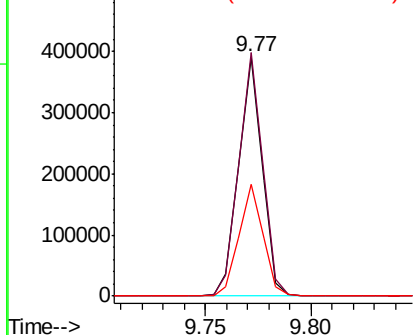


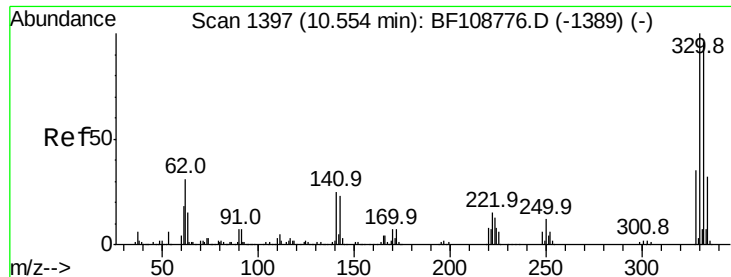
Abundance

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

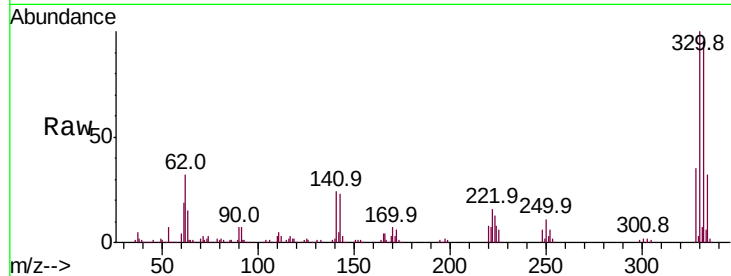




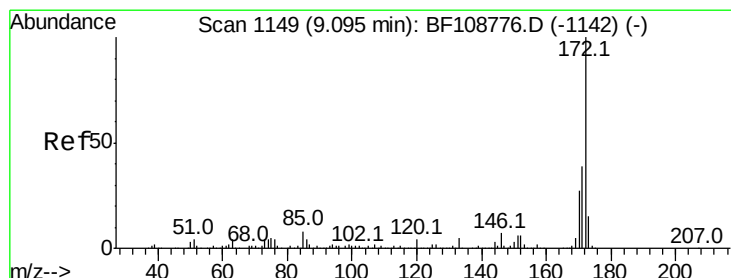
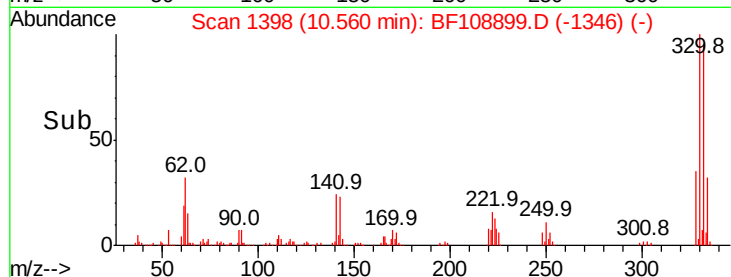
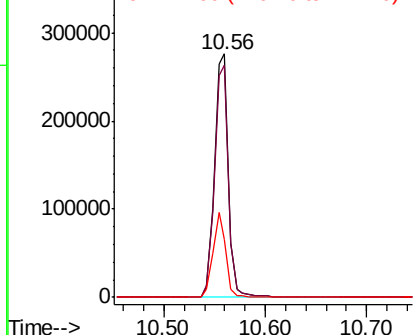
#41  
 2,4,6-Tribromophenol  
 Concen: 91.450 ng  
 RT: 10.56 min Scan# 1398  
 Delta R.T. 0.01 min  
 Lab File: BF108899.D  
 Acq: 10 Sep 2018 18:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-GF-02-025-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 77.0  | 115.6 |
| 141     | 32.2  | 29.9  | 44.9  |

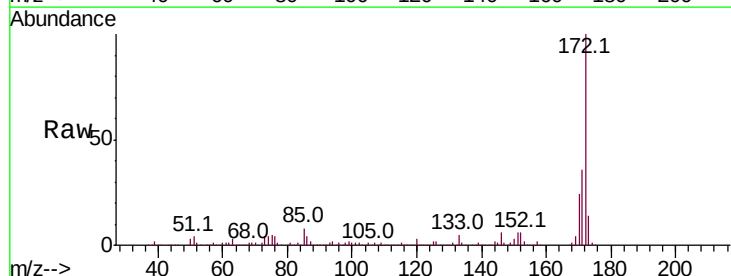


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

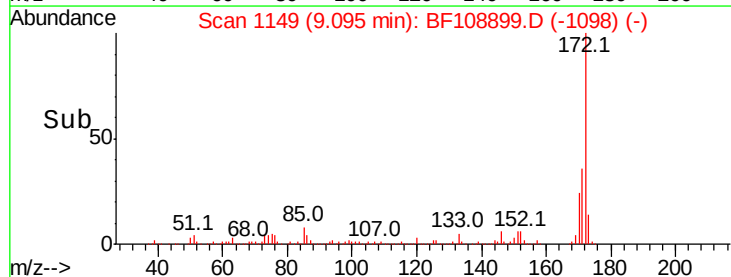
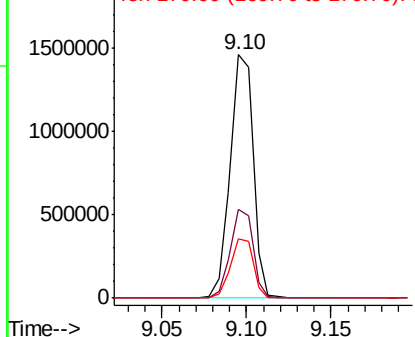


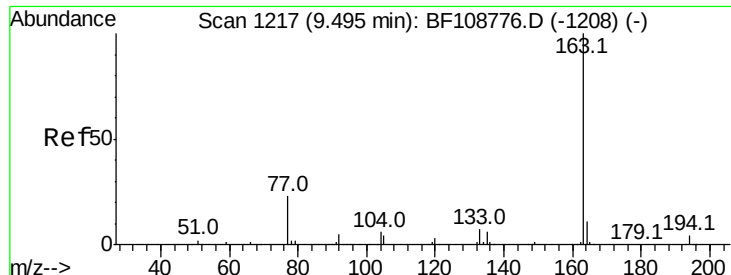
#44  
 2-Fluorobiphenyl  
 Concen: 78.507 ng  
 RT: 9.10 min Scan# 1149  
 Delta R.T. -0.00 min  
 Lab File: BF108899.D  
 Acq: 10 Sep 2018 18:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.7  | 44.5  |
| 170     | 24.4  | 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

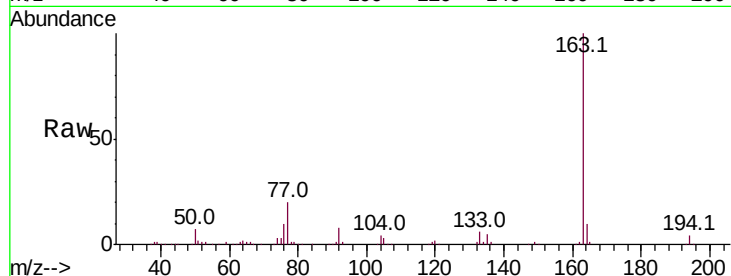




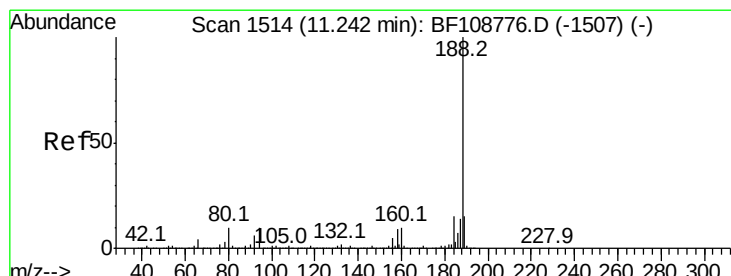
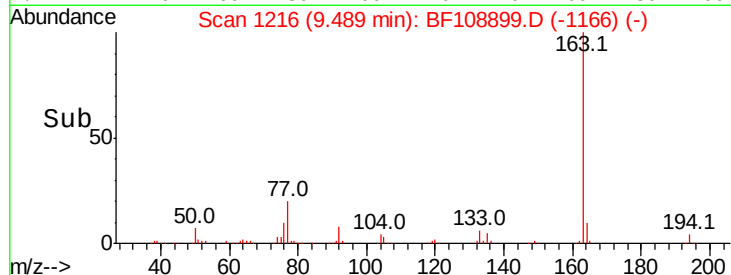
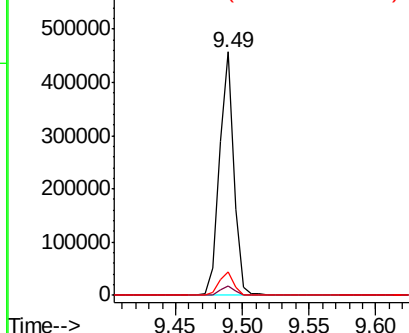
#49  
Dimethylphthalate  
Concen: 16.604 ng  
RT: 9.49 min Scan# 1216  
Delta R.T. -0.01 min  
Lab File: BF108899.D  
Acq: 10 Sep 2018 18:03

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-02-025-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.9   | 2.7   | 4.1   |
| 164     | 9.7   | 8.2   | 12.2  |

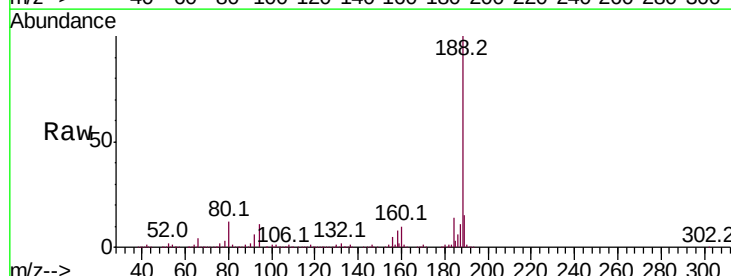


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

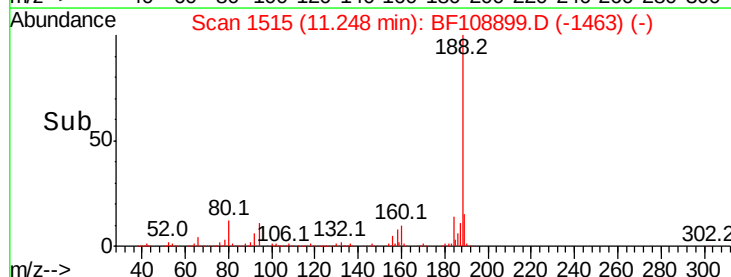
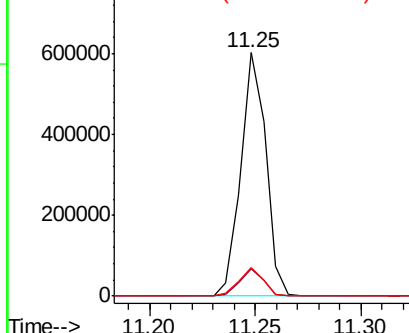


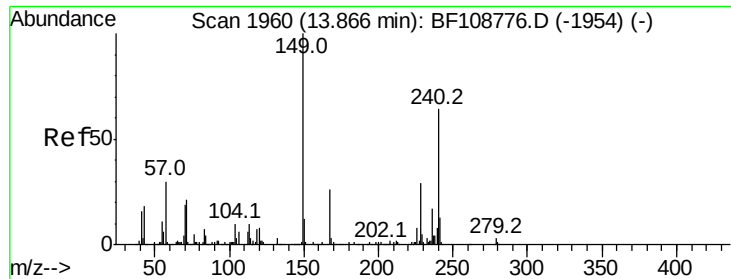
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.25 min Scan# 1515  
Delta R.T. 0.01 min  
Lab File: BF108899.D  
Acq: 10 Sep 2018 18:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.2  | 8.5   | 12.7  |
| 80      | 11.9  | 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: 13.88 min Scan# 1962

Delta R.T. 0.01 min

Lab File: BF108899.D

Acq: 10 Sep 2018 18:03

Instrument :

BNA\_F

ClientSampleId :

FK-GF-02-025-B

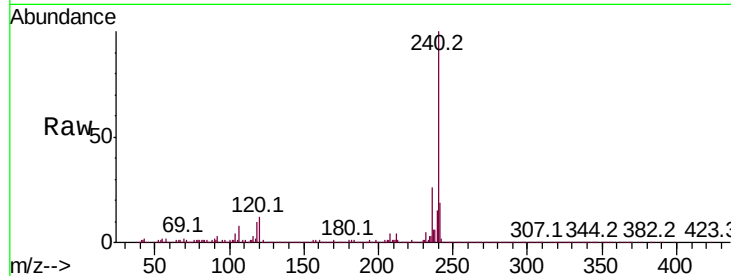
Tot Ion:240 Resp: 486543

Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

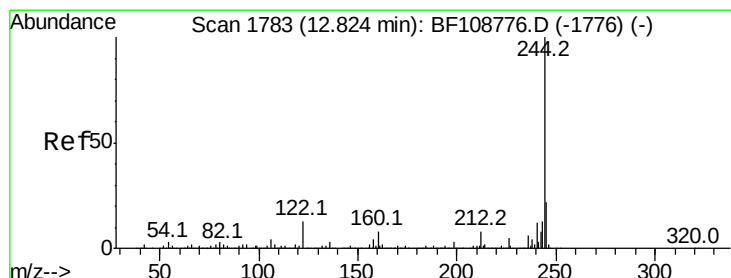
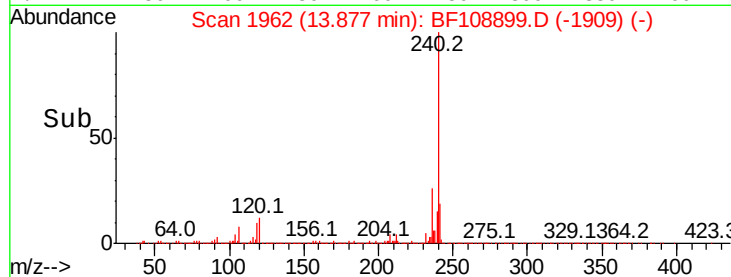
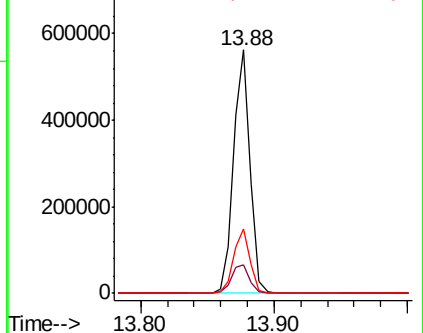
236 26.2 20.7 31.1



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: 57.083 ng

RT: 12.83 min Scan# 1784

Delta R.T. 0.01 min

Lab File: BF108899.D

Acq: 10 Sep 2018 18:03

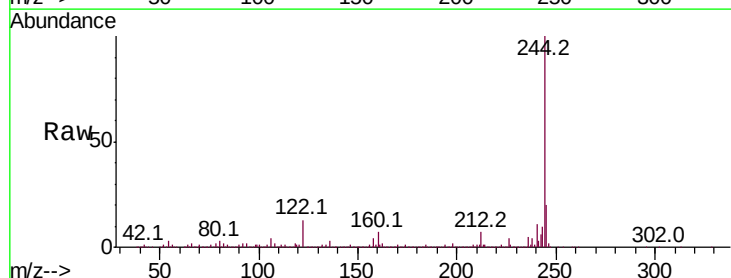
Tgt Ion:244 Resp: 1191018

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

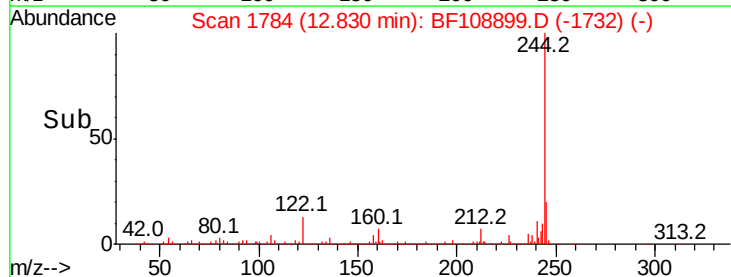
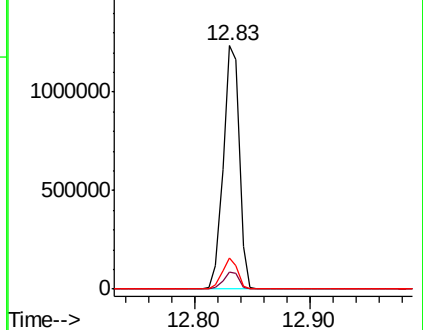
122 13.0 11.0 16.4



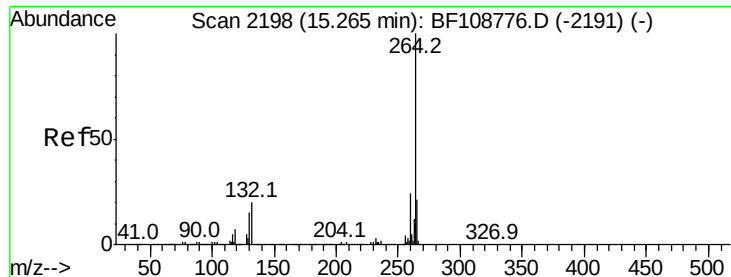
Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.29 min Scan# 2202  
Delta R.T. 0.02 min  
Lab File: BF108899.D  
Acq: 10 Sep 2018 18:03

Instrument :  
BNA\_F  
ClientSampleId :  
FK-GF-02-025-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 19.2  | 28.8  |
| 265     | 21.8  | 17.5  | 26.3  |

