

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\  
 Data File : BF109221.D  
 Acq On : 22 Sep 2018 15:14  
 Operator : JU/SJ  
 Sample : PB113095BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB113095BL

Quant Time: Sep 24 07:10:46 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  | 96180    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.99  | 136  | 378348   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.73  | 164  | 181956   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.21 | 188  | 369538   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.83 | 240  | 302112   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.23 | 264  | 224825   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 586085   | 100.37 | ng    | 0.00     |
| 7) Phenol-d6                | 6.34  | 99   | 746909   | 100.24 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 464737   | 72.51  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 162319   | 90.49  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.06  | 172  | 879778   | 72.92  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.79 | 244  | 983925   | 79.93  | ng    | -0.01    |

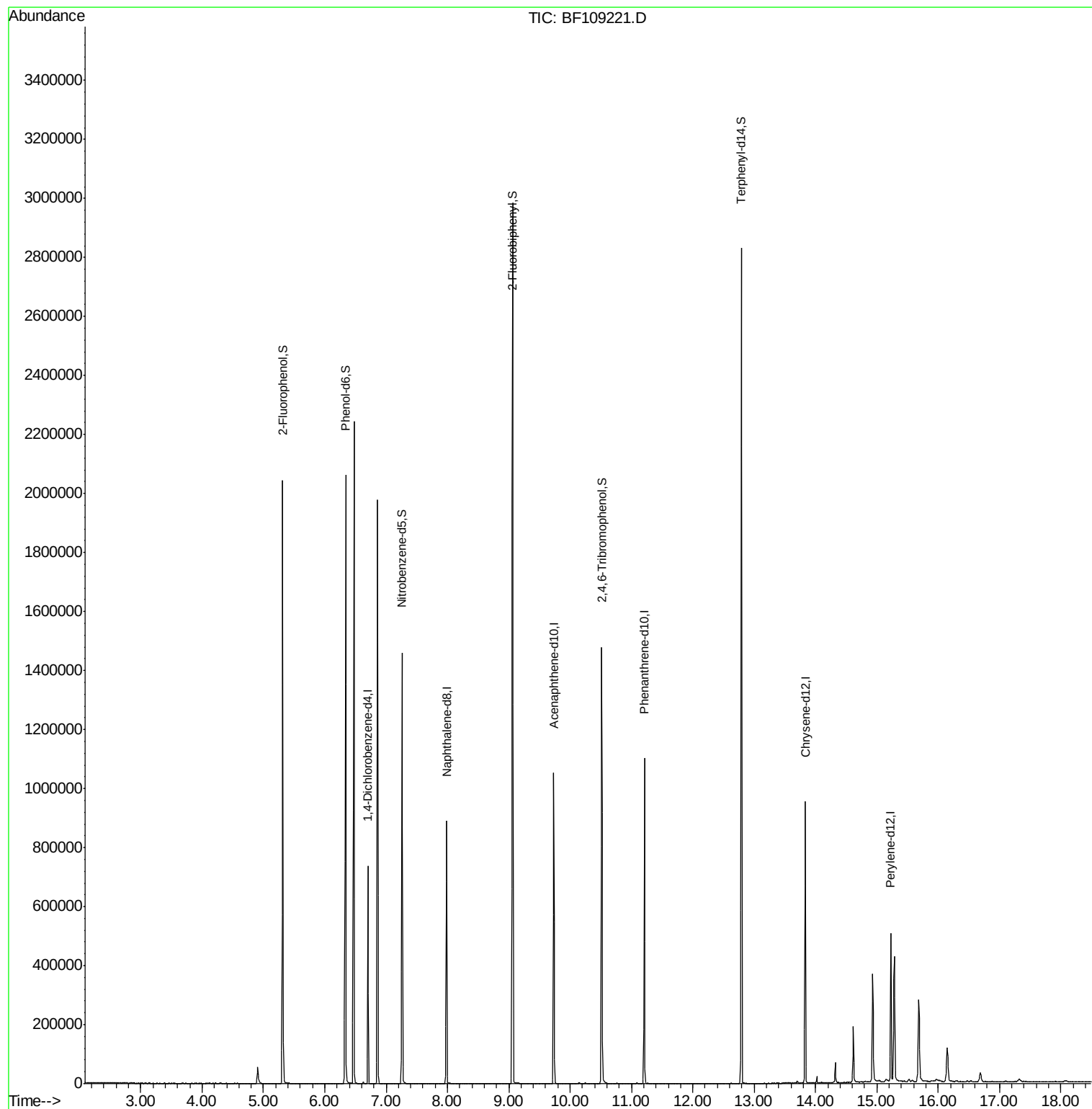
Target Compounds Qvalue

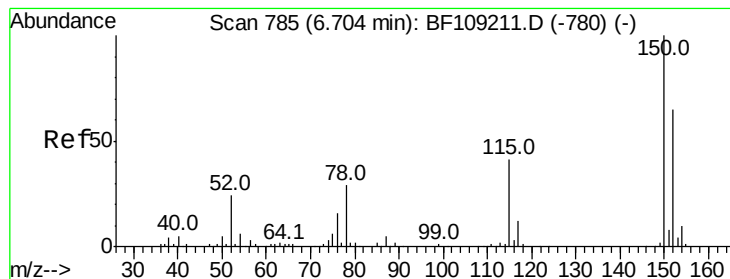
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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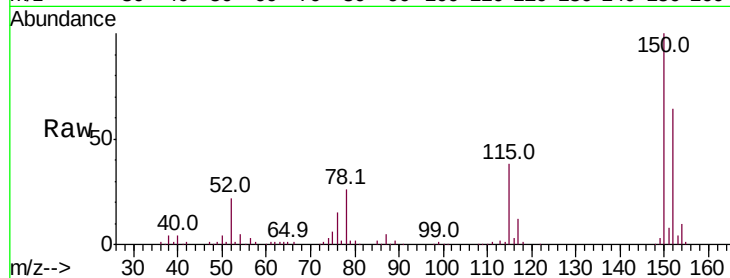


#1

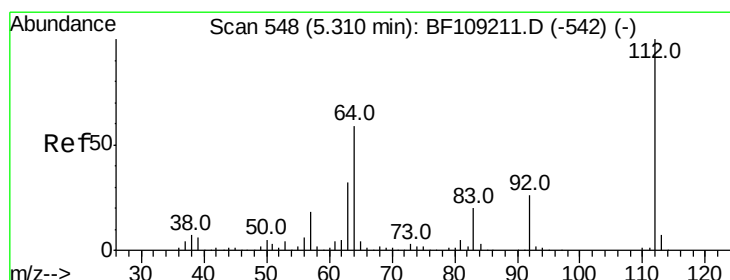
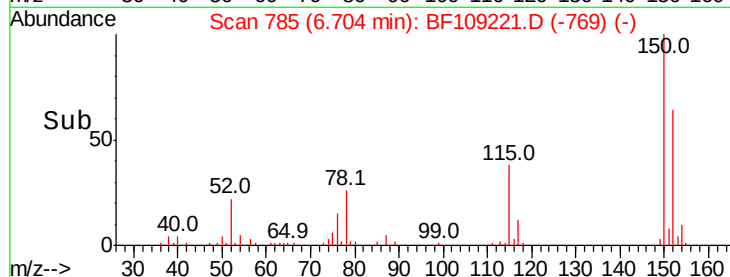
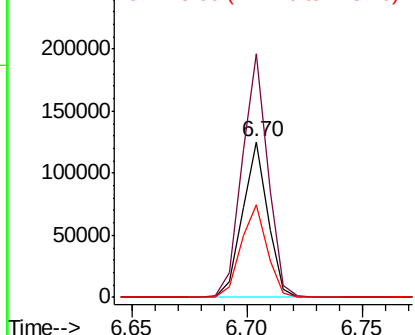
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.70 min Scan# 785  
 Delta R.T. -0.01 min  
 Lab File: BF109221.D  
 Acq: 22 Sep 2018 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB113095BL

Tot Ion:152 Resp: 96180  
 Ion Ratio Lower Upper  
 152 100  
 150 156.5 124.6 186.8  
 115 59.8 50.1 75.1



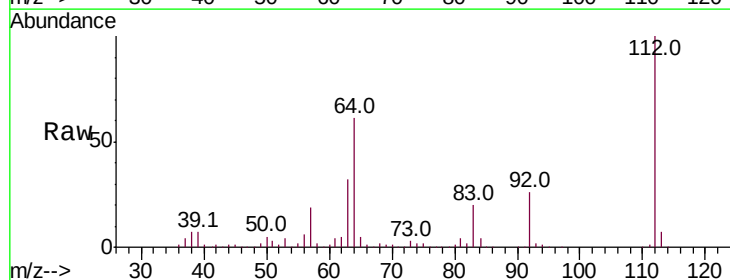
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



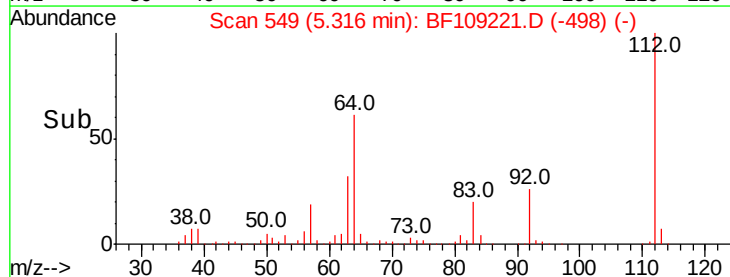
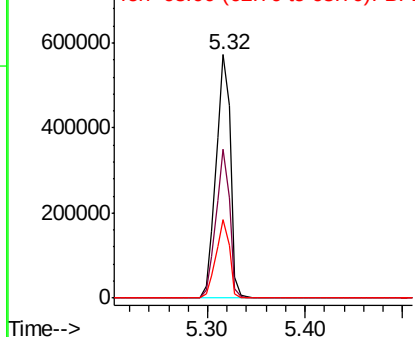
#5

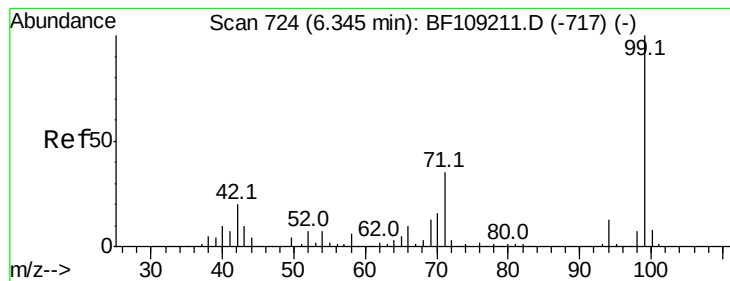
2-Fluorophenol  
 Concen: 100.367 ng  
 RT: 5.32 min Scan# 549  
 Delta R.T. -0.00 min  
 Lab File: BF109221.D  
 Acq: 22 Sep 2018 15:14

Tgt Ion:112 Resp: 586085  
 Ion Ratio Lower Upper  
 112 100  
 64 61.3 47.9 71.9  
 63 32.4 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: 100.238 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109221.D

Acq: 22 Sep 2018 15:14

Instrument :

BNA\_F

ClientSampleId :

PB113095BL

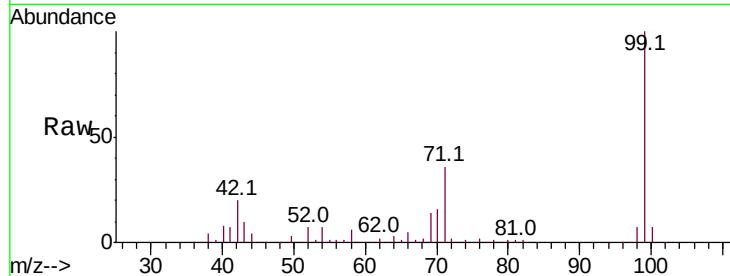
Tot Ion: 99 Resp: 746909

Ion Ratio Lower Upper

99 100

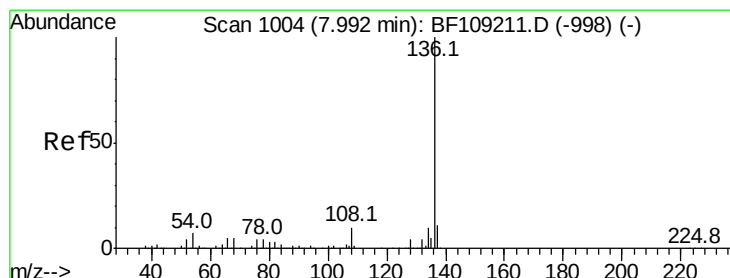
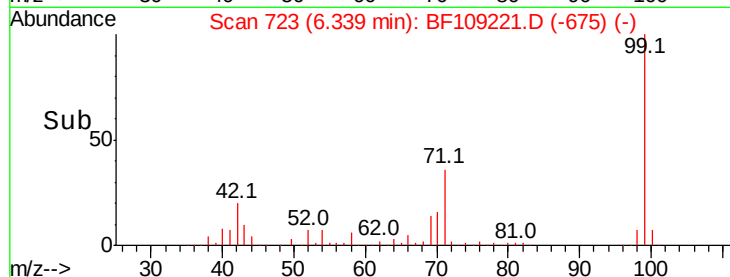
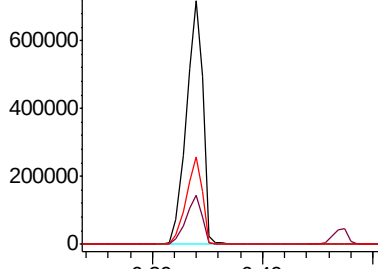
42 20.3 14.5 21.7

71 35.9 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

6.34



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109221.D

Acq: 22 Sep 2018 15:14

Tgt Ion: 136 Resp: 378348

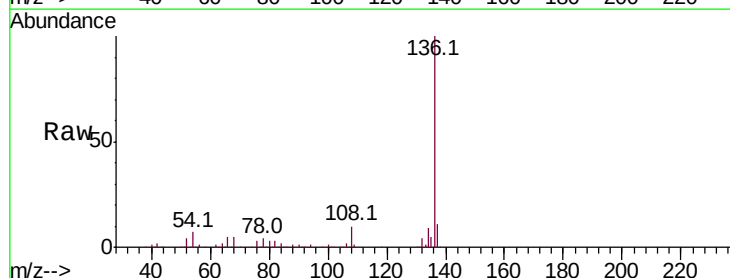
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

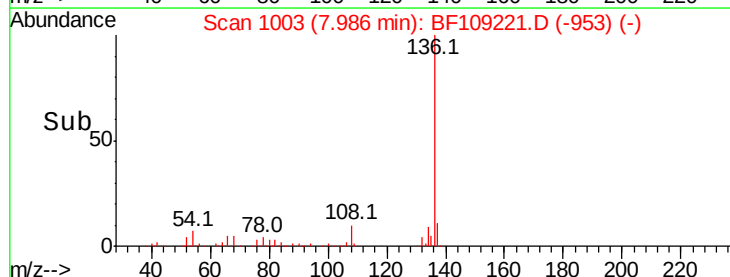
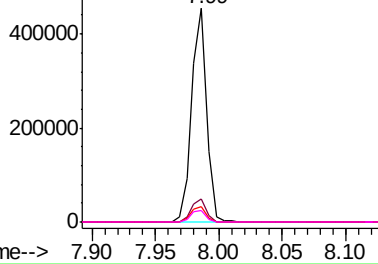
54 7.0 6.6 9.8

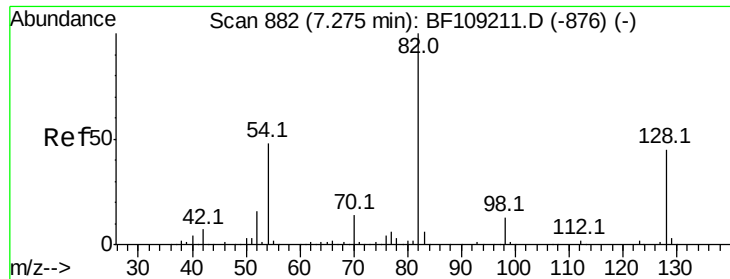
68 5.3 5.0 7.4



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

7.99

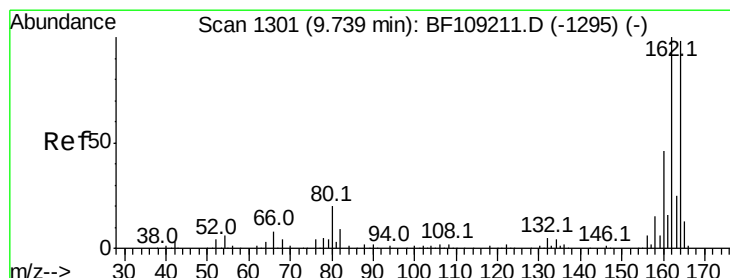
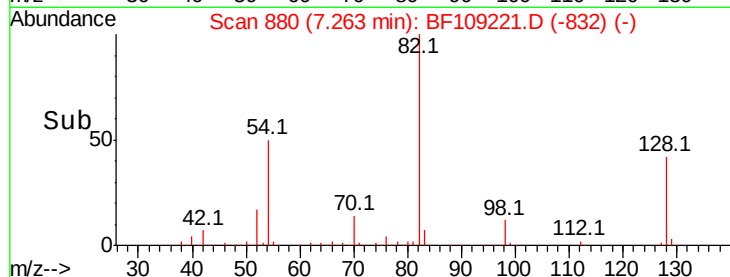
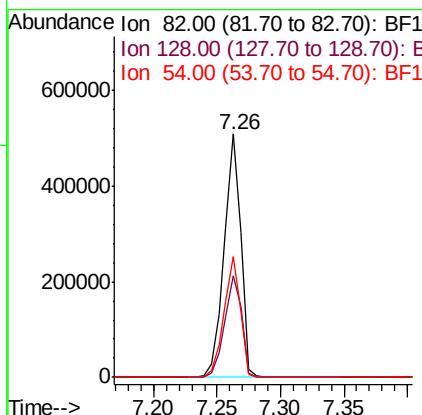
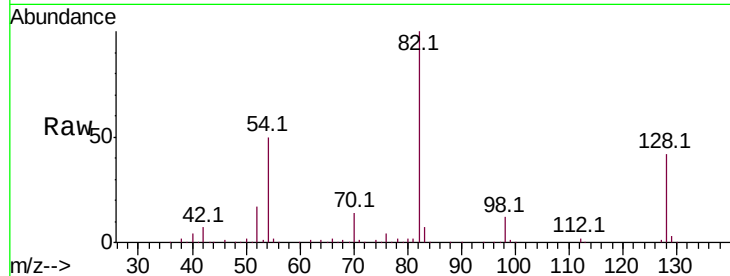




#23  
Nitrobenzene-d5  
Concen: 72.510 ng  
RT: 7.26 min Scan# 880  
Delta R.T. -0.02 min  
Lab File: BF109221.D  
Acq: 22 Sep 2018 15:14

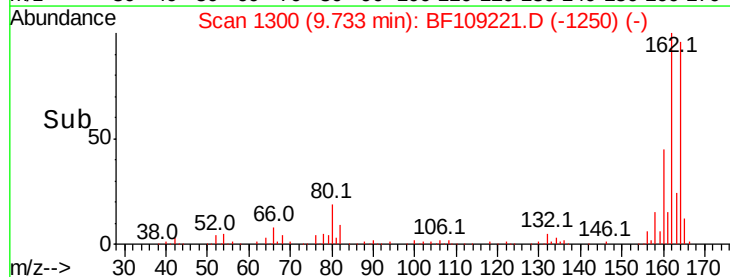
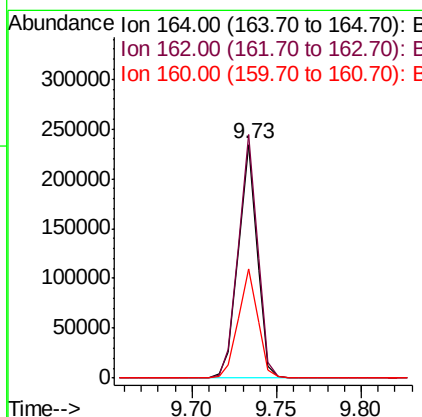
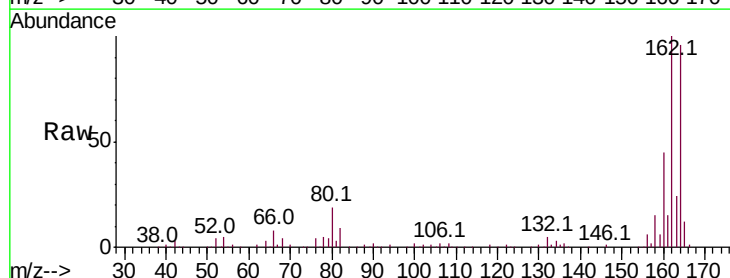
Instrument :  
BNA\_F  
ClientSampleId :  
PB113095BL

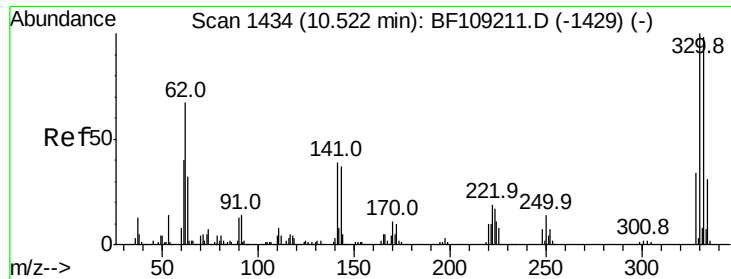
| Tot Ion   | 82   | Resp | 464737 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 36.1 |      |        |
| Upper     | 54.1 |      |        |
| 54        | 49.7 | 41.4 | 62.2   |



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.73 min Scan# 1300  
Delta R.T. -0.01 min  
Lab File: BF109221.D  
Acq: 22 Sep 2018 15:14

| Tgt Ion   | 164   | Resp | 181956 |
|-----------|-------|------|--------|
| Ion Ratio | 100   |      |        |
| Lower     | 86.1  |      |        |
| Upper     | 129.1 |      |        |
| 162       | 104.3 | 38.3 | 57.5   |
| 160       | 46.5  |      |        |

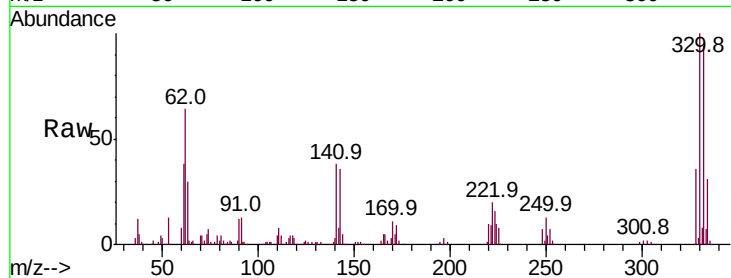




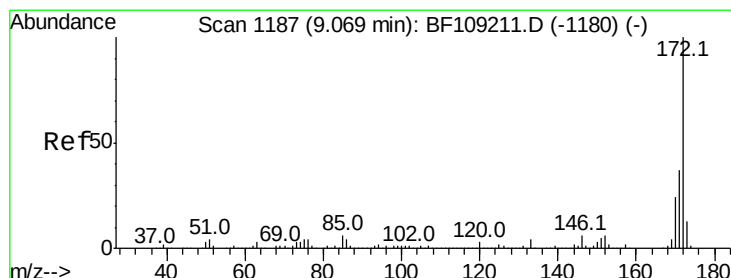
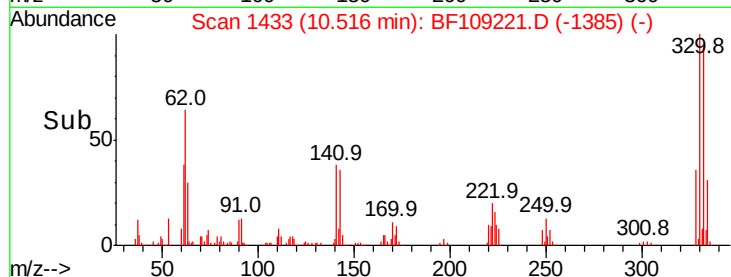
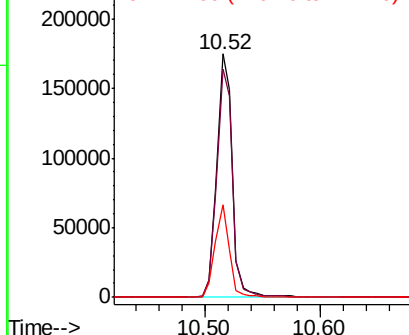
#41  
 2,4,6-Tribromophenol  
 Concen: 90.494 ng  
 RT: 10.52 min Scan# 1433  
 Delta R.T. -0.02 min  
 Lab File: BF109221.D  
 Acq: 22 Sep 2018 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB113095BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 77.0  | 115.6 |
| 141     | 35.4  | 29.9  | 44.9  |

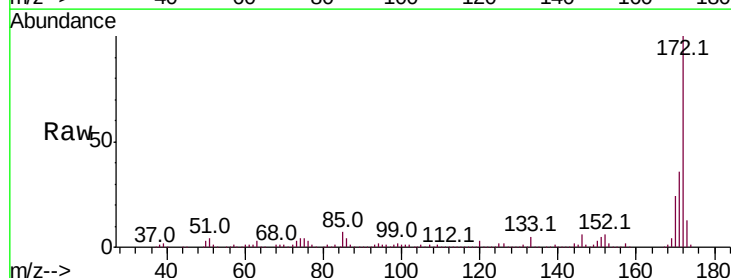


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

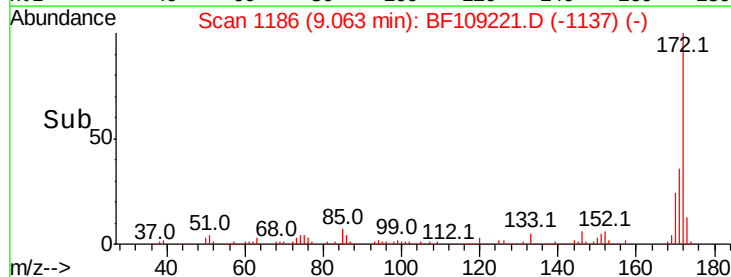
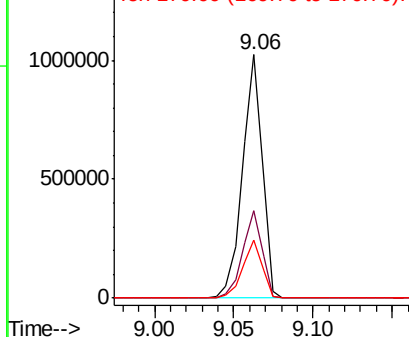


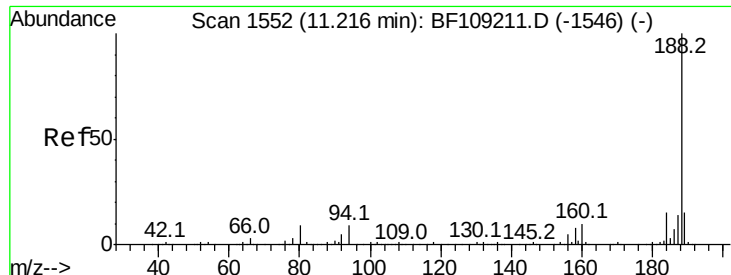
#44  
 2-Fluorobiphenyl  
 Concen: 72.923 ng  
 RT: 9.06 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF109221.D  
 Acq: 22 Sep 2018 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 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

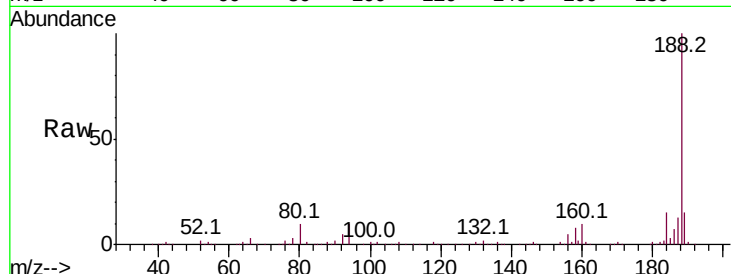




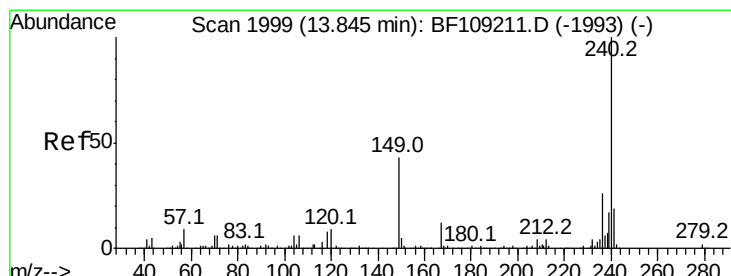
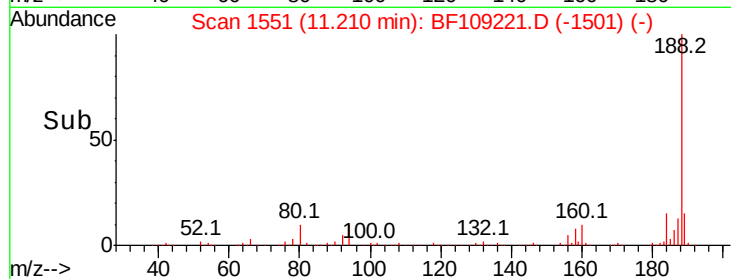
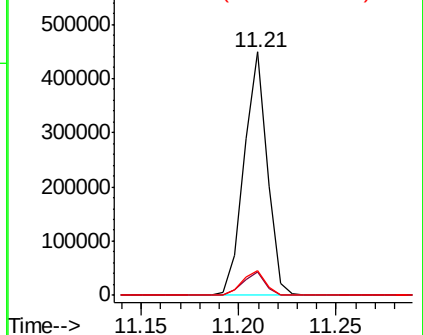
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.21 min Scan# 1551  
 Delta R.T. -0.01 min  
 Lab File: BF109221.D  
 Acq: 22 Sep 2018 15:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB113095BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.5   | 8.5   | 12.7  |
| 80      | 10.2  | 9.2   | 13.8  |

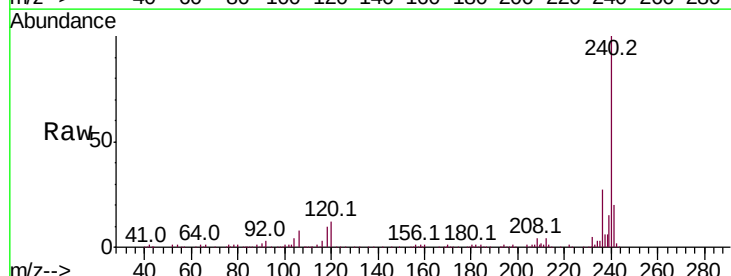


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF1  
 Ion 80.00 (79.70 to 80.70): BF1

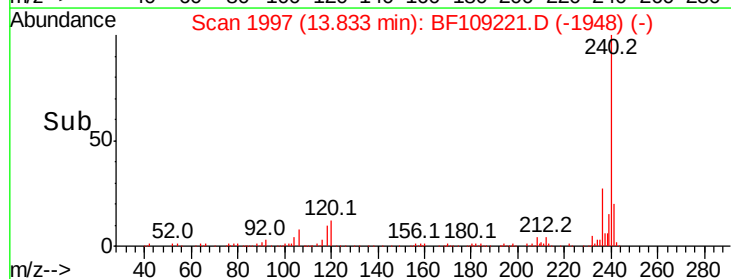
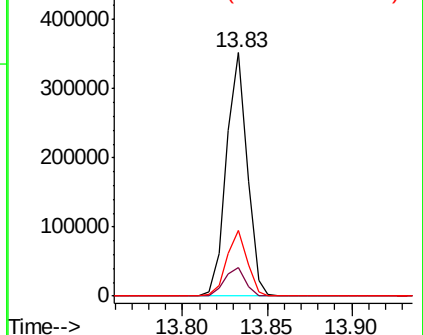


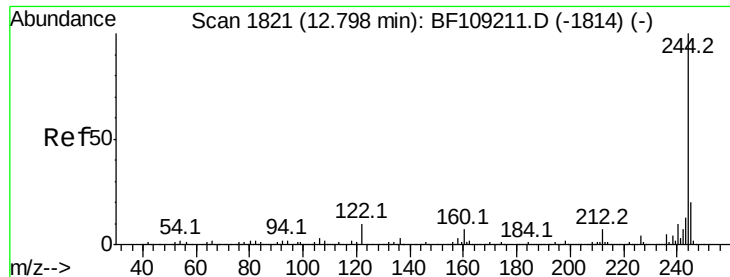
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.83 min Scan# 1997  
 Delta R.T. -0.01 min  
 Lab File: BF109221.D  
 Acq: 22 Sep 2018 15:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.7  | 9.5   | 14.3  |
| 236     | 26.8  | 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: 79.928 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF109221.D

Acq: 22 Sep 2018 15:14

Instrument :

BNA\_F

ClientSampleId :

PB113095BL

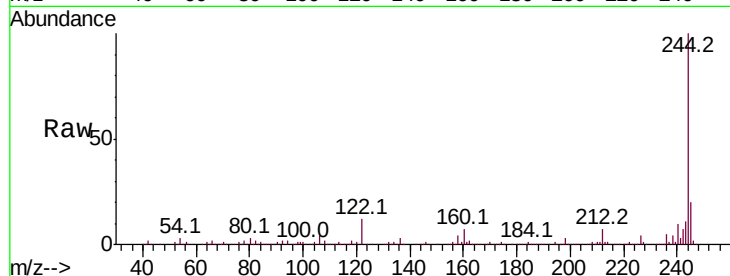
Tot Ion:244 Resp: 983925

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

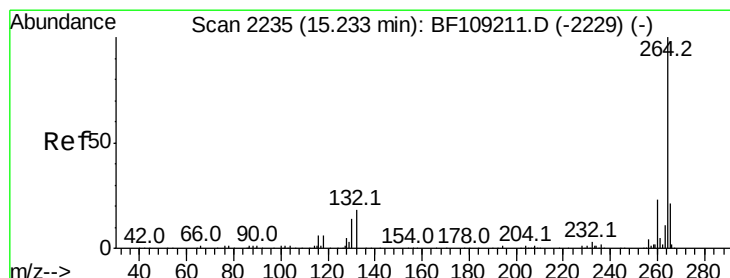
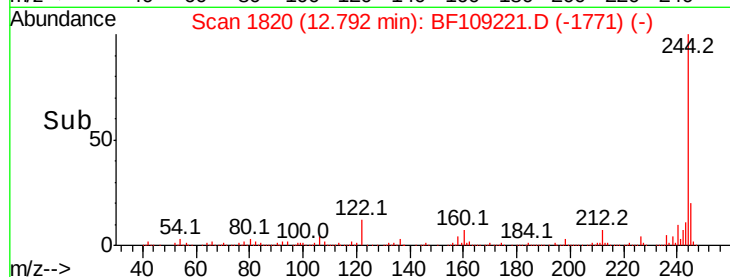
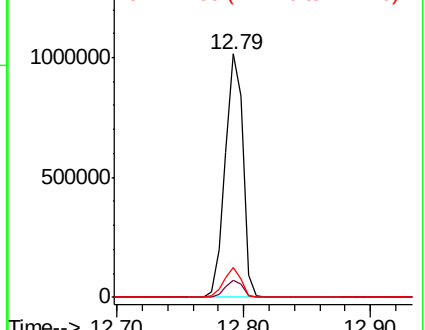
122 12.1 11.0 16.4



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: 15.23 min Scan# 2234

Delta R.T. -0.01 min

Lab File: BF109221.D

Acq: 22 Sep 2018 15:14

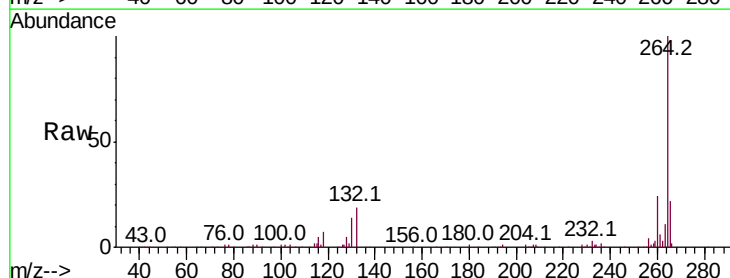
Tgt Ion:264 Resp: 224825

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.8 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

