

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\  
 Data File : BF106865.D  
 Acq On : 27 Jun 2018 12:20  
 Operator : JU/SJ  
 Sample : PB110600BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110600BL

Quant Time: Jun 27 14:14:49 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 25 18:50:17 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 49121    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 197220   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.00 | 164  | 106103   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.49 | 188  | 224008   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.15 | 240  | 196270   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.69 | 264  | 145654   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 286046   | 98.61  | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 361586   | 99.81  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 226920   | 63.94  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 136580   | 111.06 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 449808   | 68.98  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.08 | 244  | 602561   | 74.37  | ng    | 0.00     |

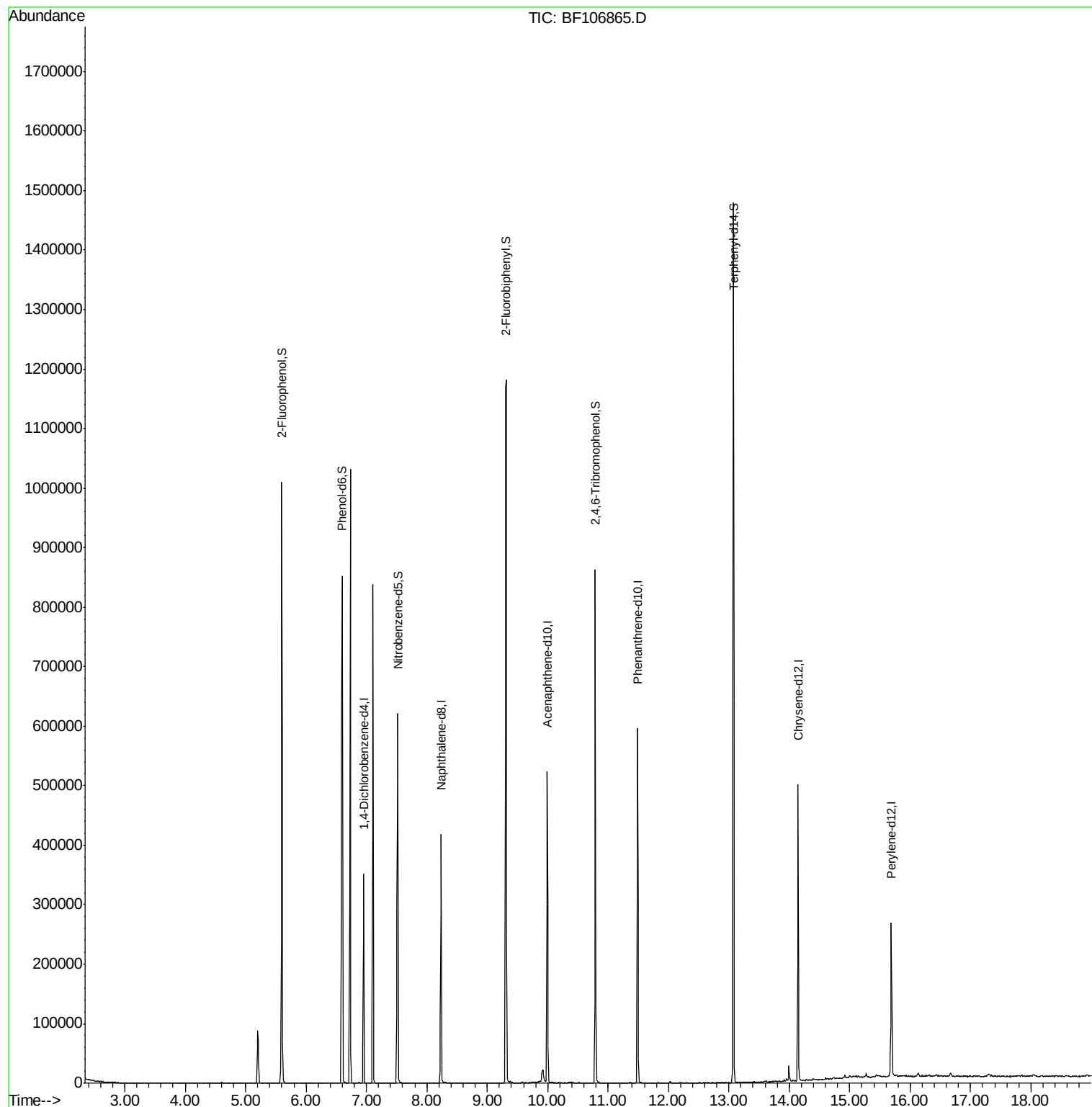
Target Compounds Qvalue

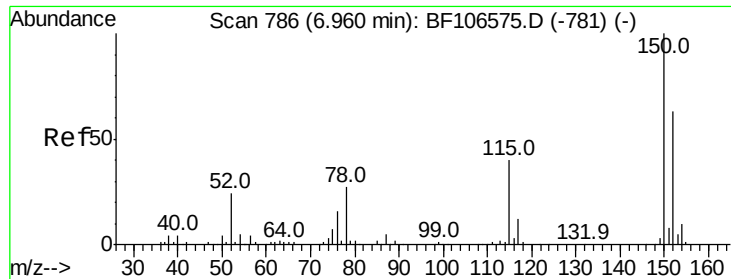
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB110600BL  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 25 18:50:17 2018  
Response via : Initial Calibration



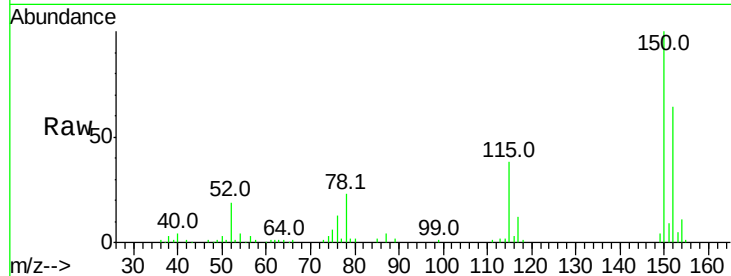


#1

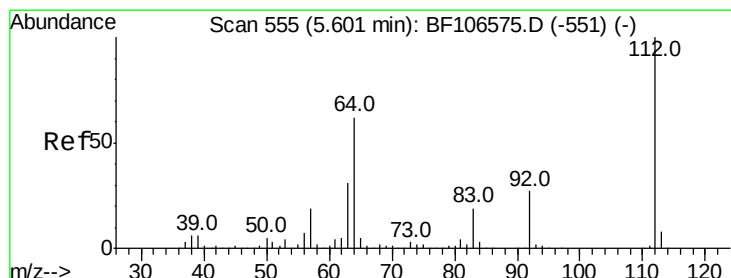
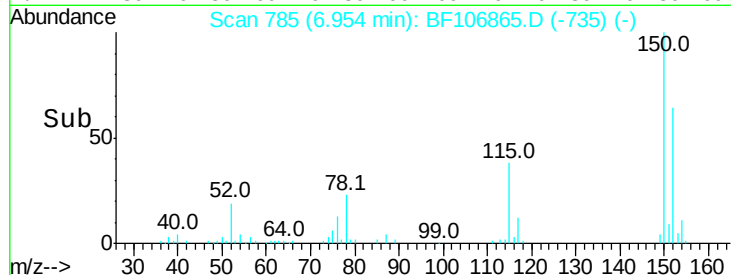
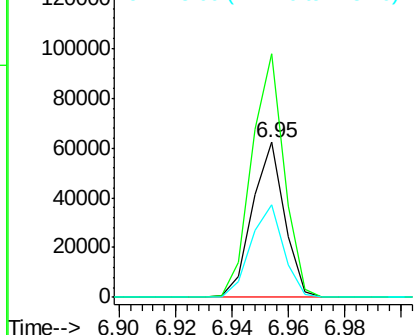
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF106865.D  
Acq: 27 Jun 2018 12:20

Instrument :  
BNA\_F  
ClientSampleId :  
PB110600BL

Tot Ion:152 Resp: 49121  
Ion Ratio Lower Upper  
152 100  
150 157.4 124.6 186.8  
115 59.7 50.1 75.1



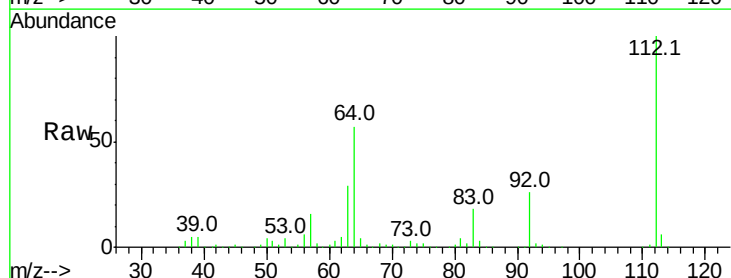
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



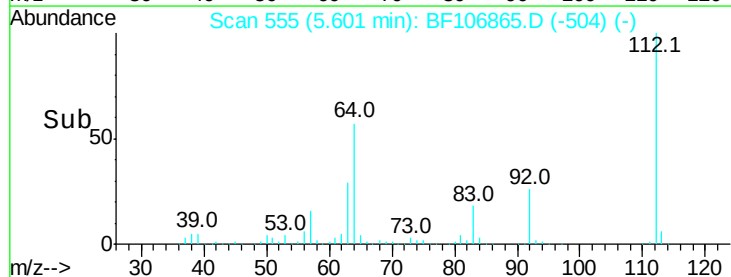
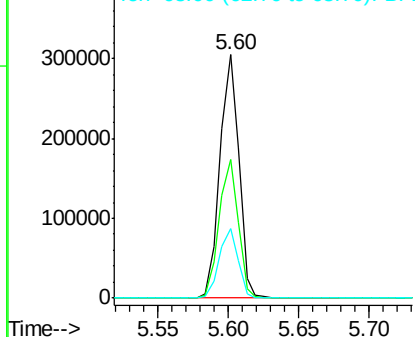
#5

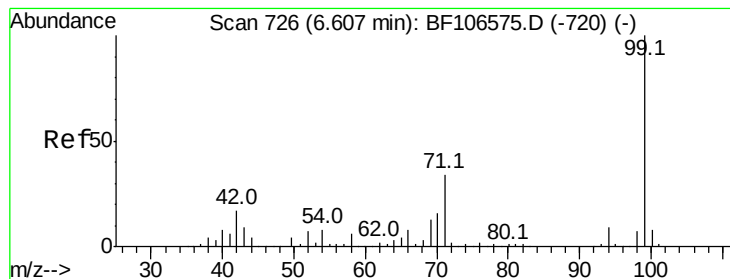
2-Fluorophenol  
Concen: 98.607 ng  
RT: 5.60 min Scan# 555  
Delta R.T. -0.00 min  
Lab File: BF106865.D  
Acq: 27 Jun 2018 12:20

Tgt Ion:112 Resp: 286046  
Ion Ratio Lower Upper  
112 100  
64 57.2 47.9 71.9  
63 28.6 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: 99.813 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF106865.D

Acq: 27 Jun 2018 12:20

Instrument :

BNA\_F

ClientSampleId :

PB110600BL

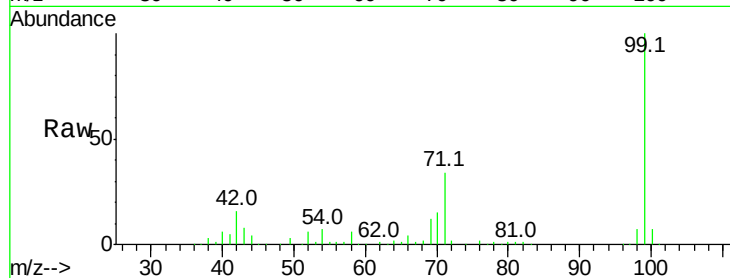
Tot Ion: 99 Resp: 361586

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

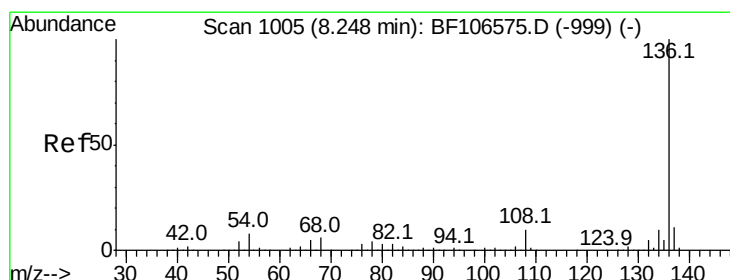
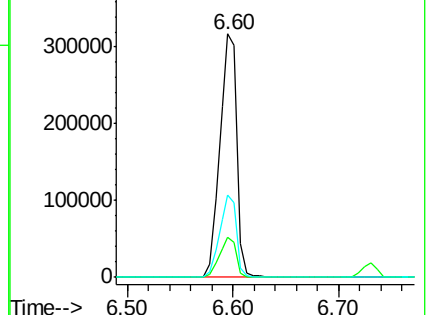
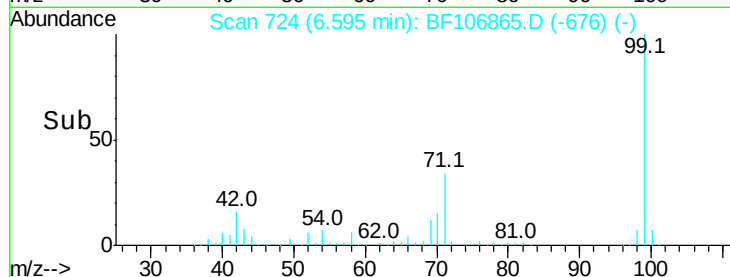
71 34.0 25.4 38.0



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: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF106865.D

Acq: 27 Jun 2018 12:20

Tgt Ion: 136 Resp: 197220

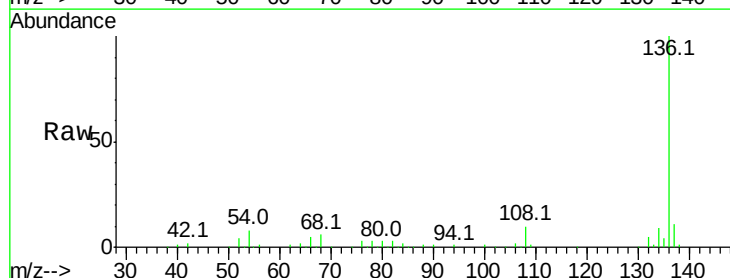
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.0 6.6 9.8

68 5.9 5.0 7.4

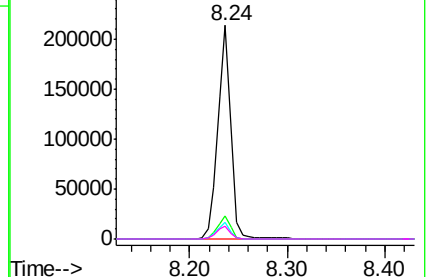
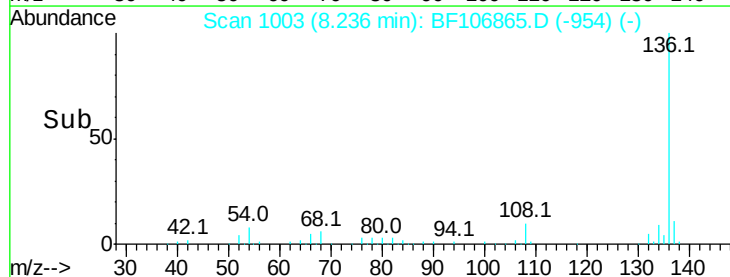


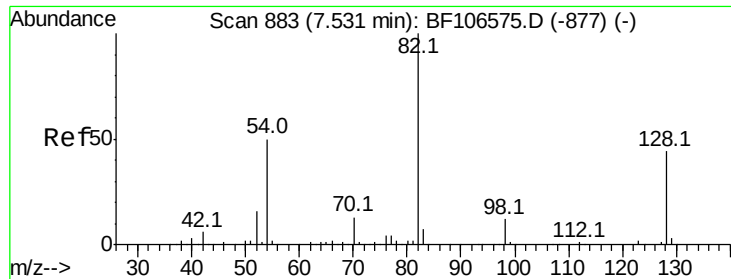
Abundance Ion 136.00 (135.70 to 136.70): E

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

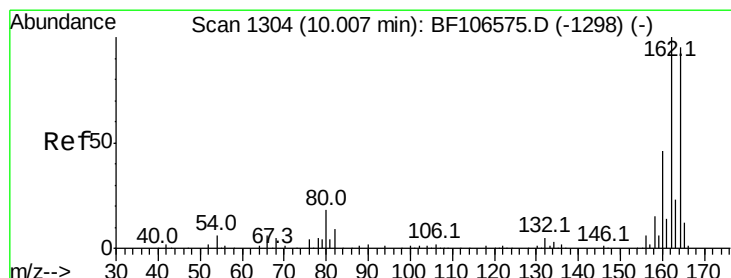
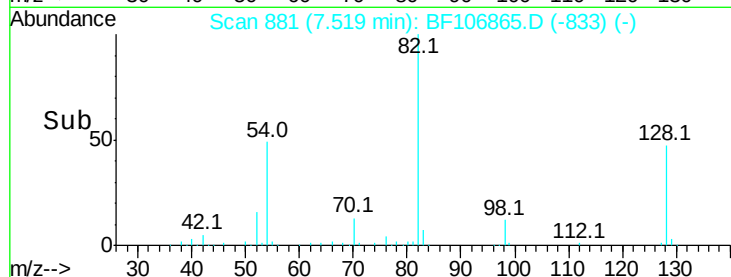
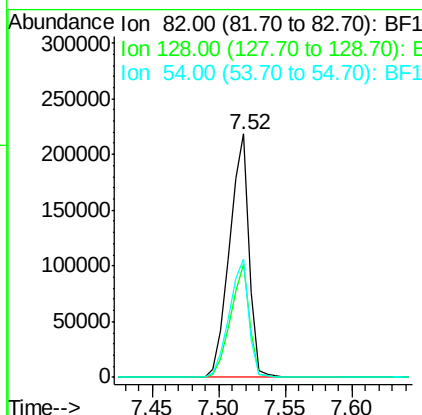
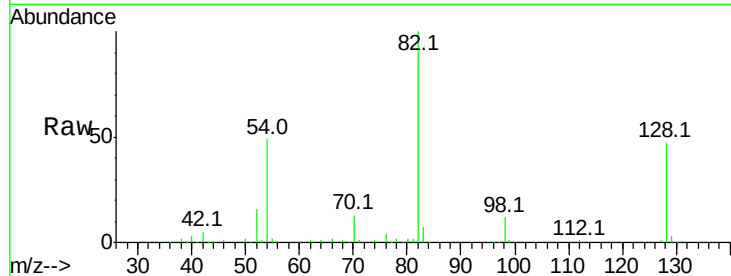




#23  
 Nitrobenzene-d5  
 Concen: 63.943 ng  
 RT: 7.52 min Scan# 881  
 Delta R.T. -0.02 min  
 Lab File: BF106865.D  
 Acq: 27 Jun 2018 12:20

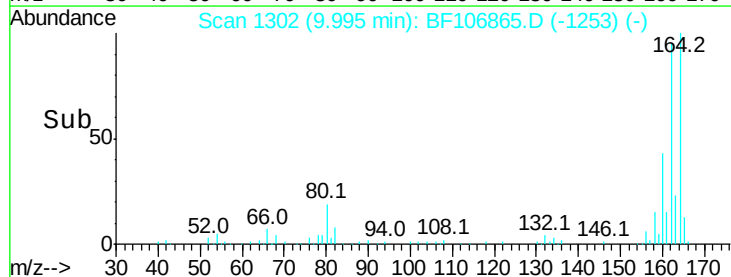
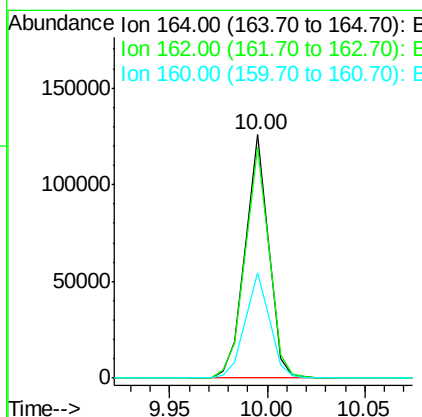
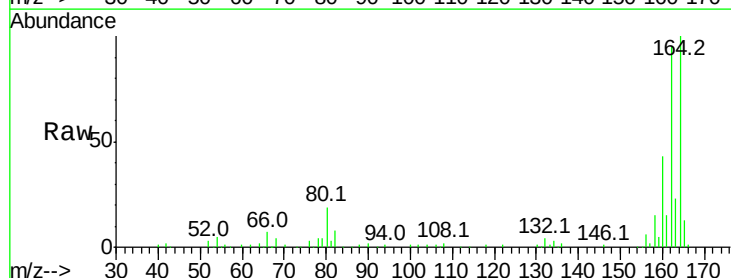
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110600BL

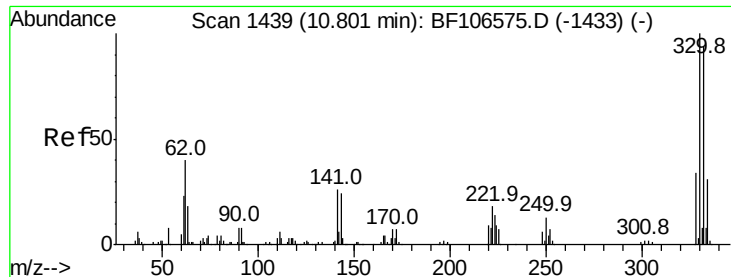
| Tot Ion   | 82    | Resp  | 226920 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.7  | 36.1  | 54.1   |
| 54        | 48.6  | 41.4  | 62.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1302  
 Delta R.T. -0.01 min  
 Lab File: BF106865.D  
 Acq: 27 Jun 2018 12:20

| Tgt Ion   | 164   | Resp  | 106103 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 94.7  | 86.1  | 129.1  |
| 160       | 43.2  | 38.3  | 57.5   |

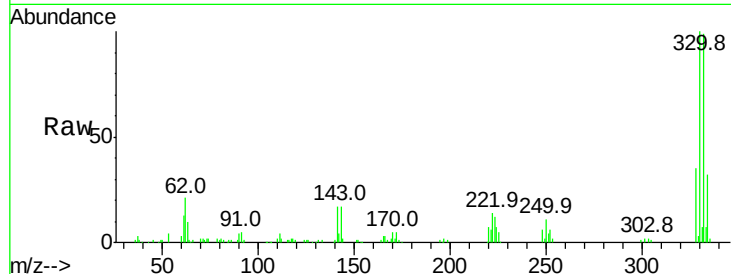




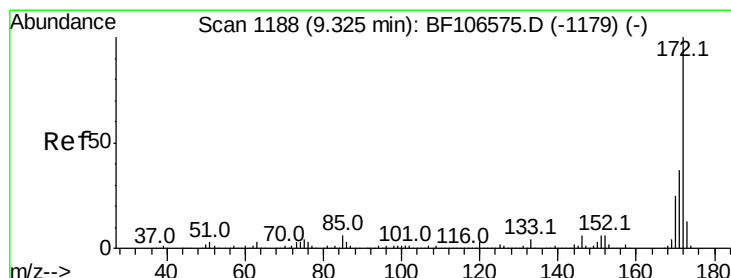
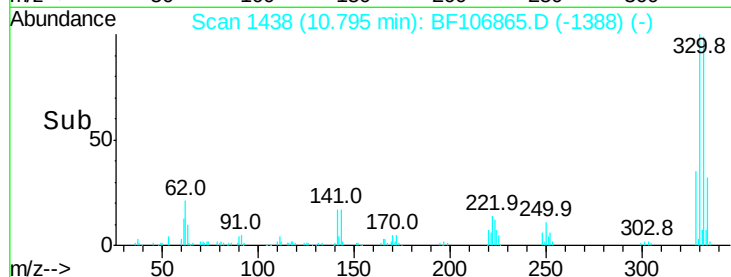
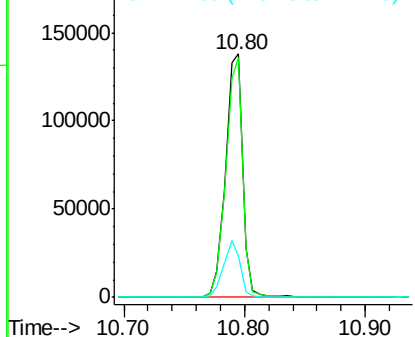
#41  
 2,4,6-Tribromophenol  
 Concen: 111.062 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF106865.D  
 Acq: 27 Jun 2018 12:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110600BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 77.0  | 115.6 |
| 141     | 22.2  | 29.9  | 44.9# |

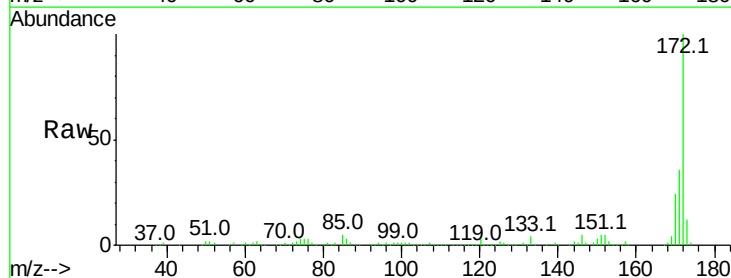


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

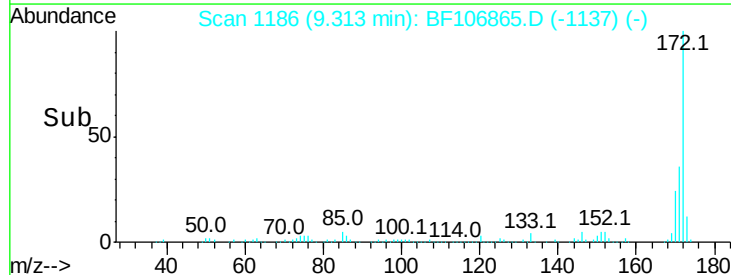
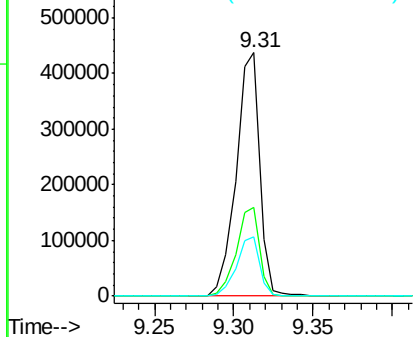


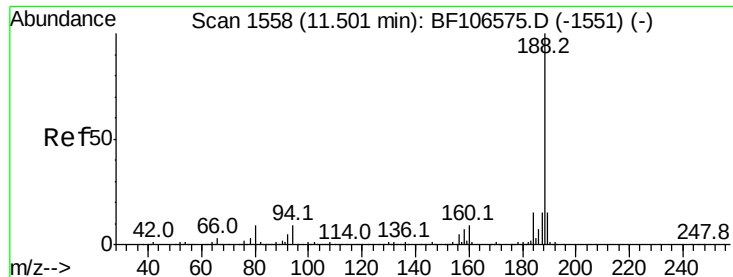
#44  
 2-Fluorobiphenyl  
 Concen: 68.975 ng  
 RT: 9.31 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF106865.D  
 Acq: 27 Jun 2018 12:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.7  | 44.5  |
| 170     | 24.2  | 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

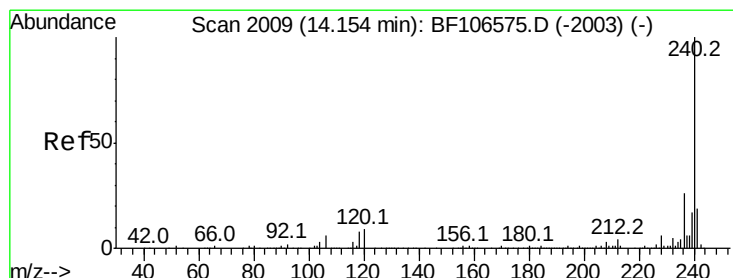
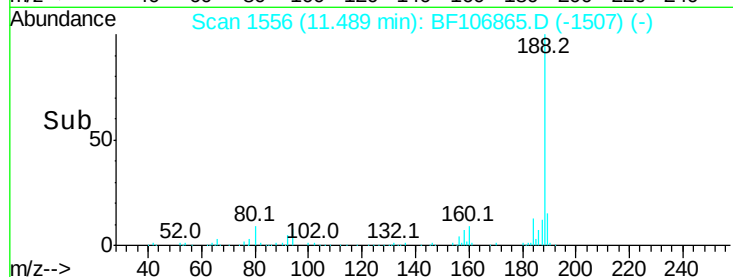
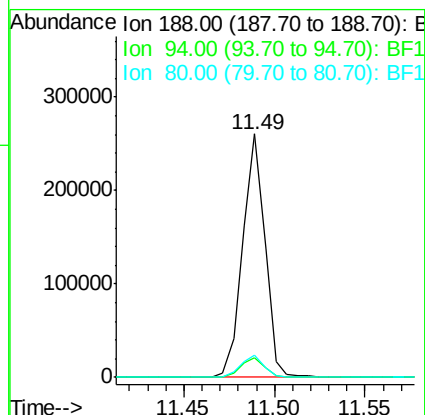
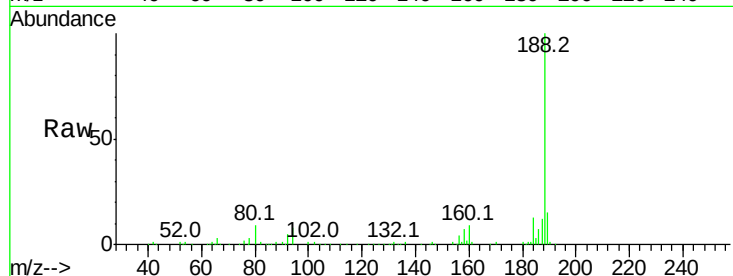




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF106865.D  
Acq: 27 Jun 2018 12:20

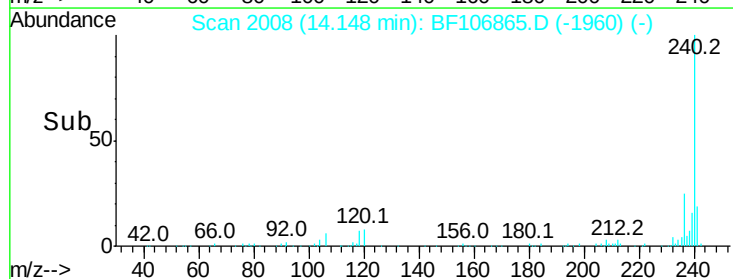
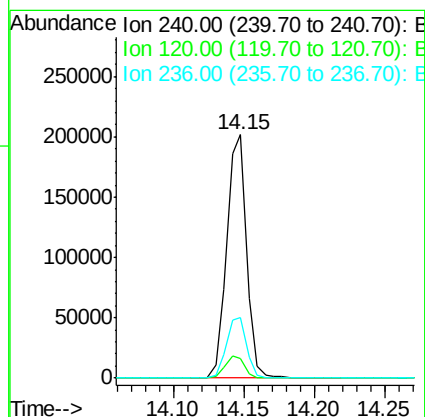
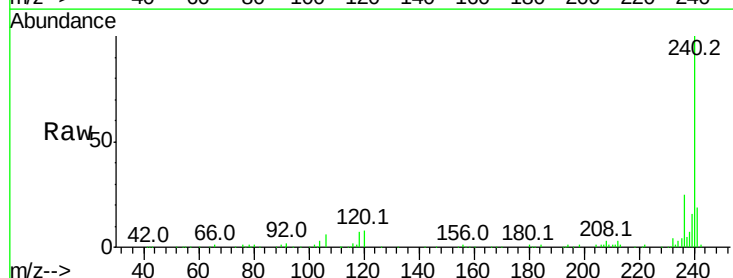
Instrument :  
BNA\_F  
ClientSampleId :  
PB110600BL

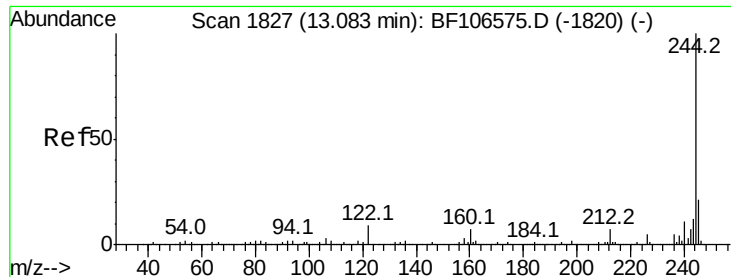
Tot Ion:188 Resp: 224008  
Ion Ratio Lower Upper  
188 100  
94 8.2 8.5 12.7#  
80 8.9 9.2 13.8#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.15 min Scan# 2008  
Delta R.T. -0.02 min  
Lab File: BF106865.D  
Acq: 27 Jun 2018 12:20

Tgt Ion:240 Resp: 196270  
Ion Ratio Lower Upper  
240 100  
120 8.2 9.5 14.3#  
236 25.1 20.7 31.1

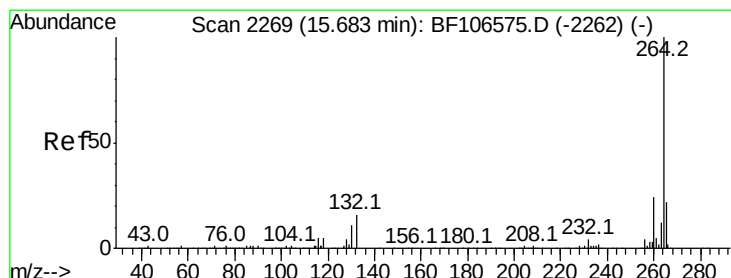
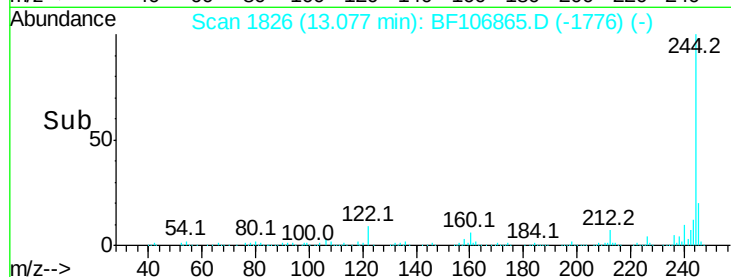
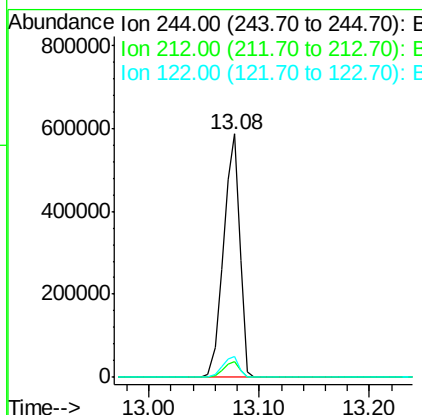
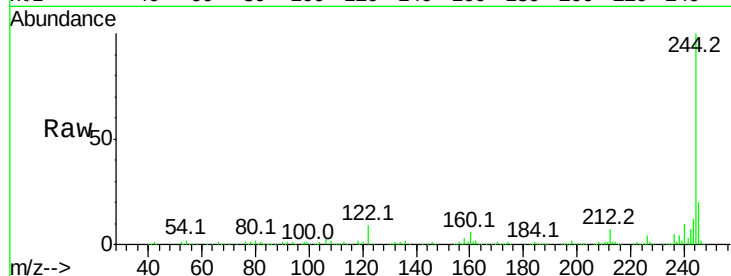




#78  
 Terphenyl-d14  
 Concen: 74.366 ng  
 RT: 13.08 min Scan# 1826  
 Delta R.T. -0.01 min  
 Lab File: BF106865.D  
 Acq: 27 Jun 2018 12:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB110600BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.7   | 5.4   | 8.0   |
| 122     | 8.5   | 11.0  | 16.4  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.69 min Scan# 2271  
 Delta R.T. -0.02 min  
 Lab File: BF106865.D  
 Acq: 27 Jun 2018 12:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 19.2  | 28.8  |
| 265     | 21.1  | 17.5  | 26.3  |

