

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\  
 Data File : BF106431.D  
 Acq On : 14 Jun 2018 9:42  
 Operator : JU/SJ  
 Sample : J3312-07  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-04

Quant Time: Jun 14 11:34:49 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 14 11:27:54 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 125496   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.25  | 136  | 492158   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.01 | 164  | 234830   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.49 | 188  | 437221   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.15 | 240  | 324641   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.68 | 264  | 328000   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 259041   | 34.94 | ng    | 0.00     |
| 7) Phenol-d6                | 6.61  | 99   | 278948   | 29.78 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 388122   | 46.39 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 129075   | 57.13 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 720505   | 45.92 | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.08 | 244  | 660538   | 50.54 | ng    | 0.00     |

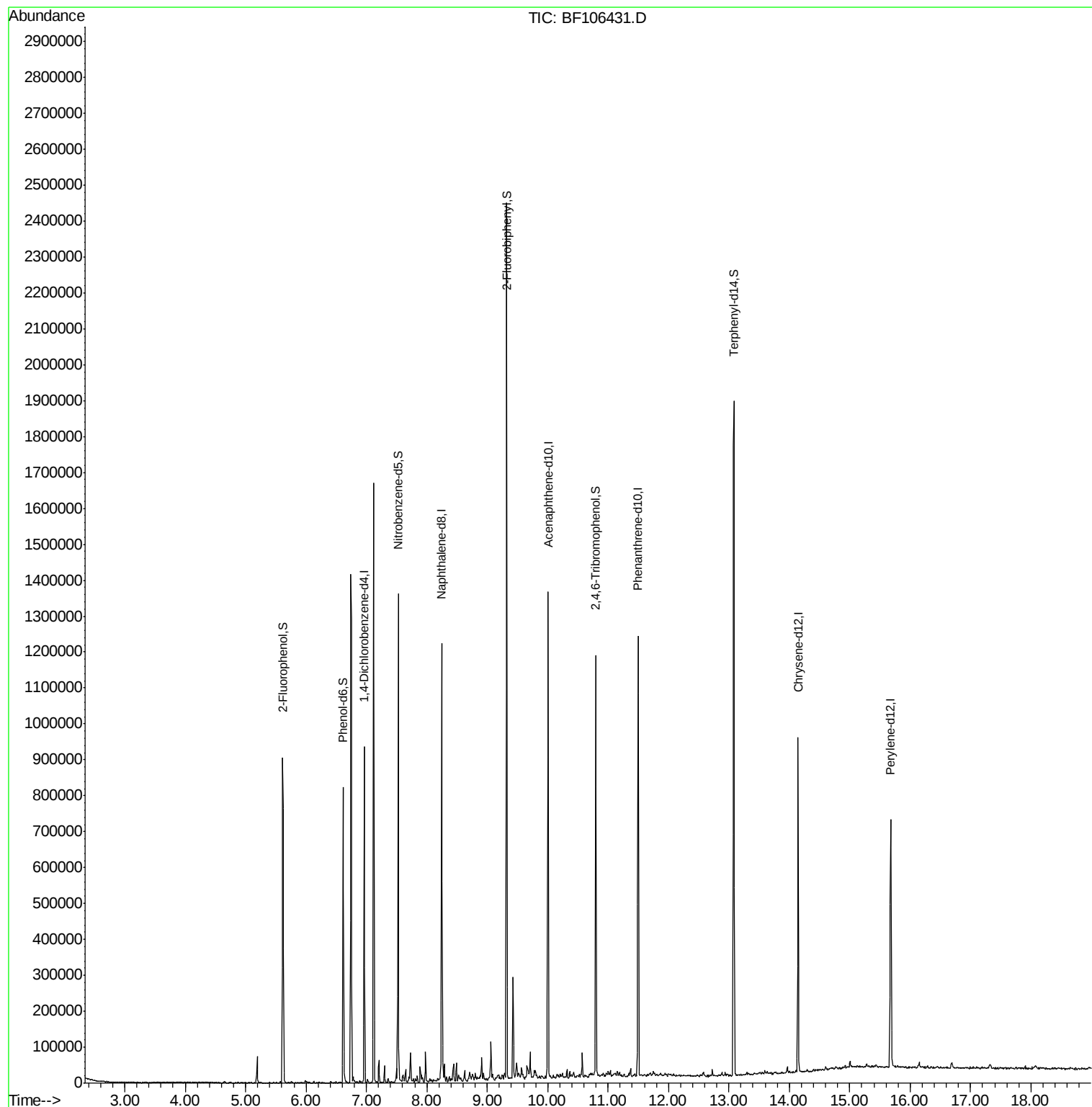
Target Compounds Qvalue

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

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QLast Update : Thu Jun 14 11:27:54 2018  
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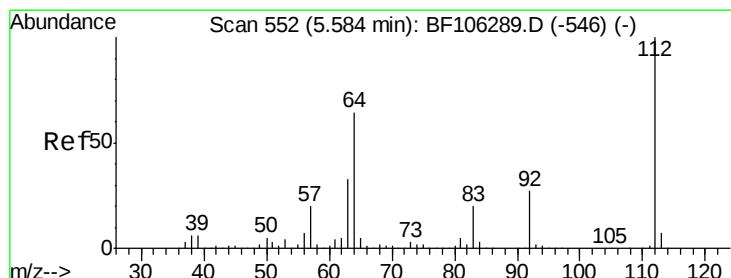
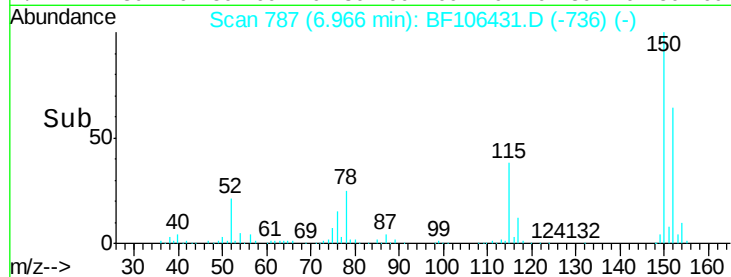
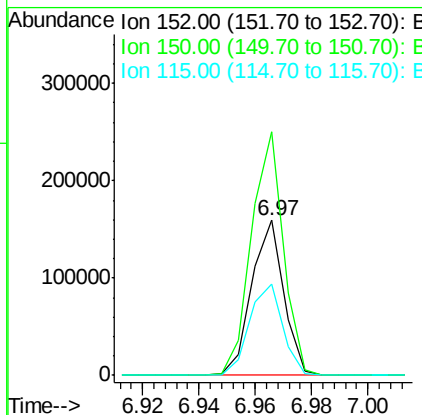
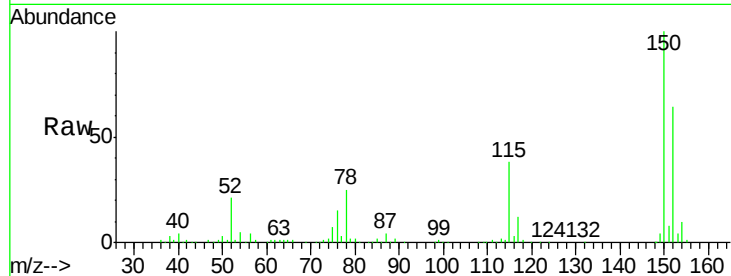


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 787  
Delta R.T. -0.00 min  
Lab File: BF106431.D  
Acq: 14 Jun 2018 9:42

Instrument :  
BNA\_F  
ClientSampleId :  
W-04

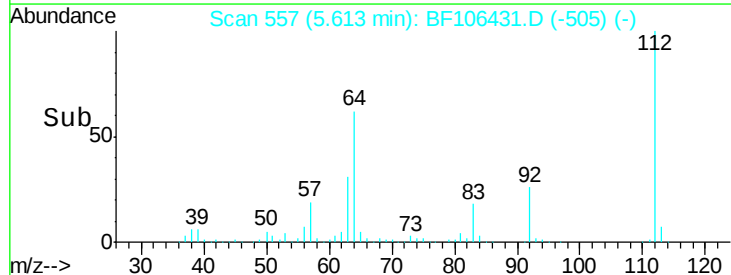
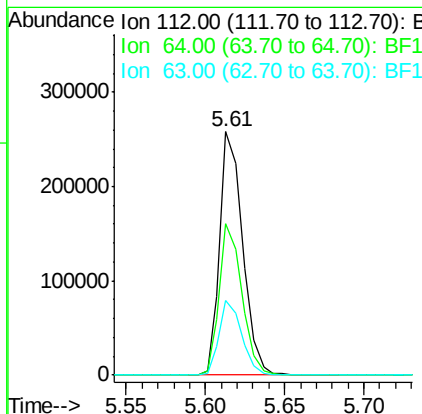
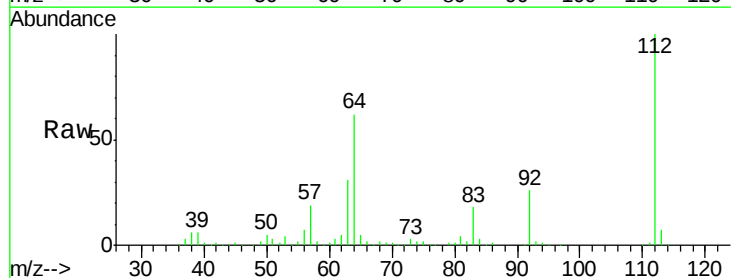
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.2 | 124.6 | 186.8 |
| 115     | 59.3  | 50.1  | 75.1  |



#5

2-Fluorophenol  
Concen: 34.935 ng  
RT: 5.61 min Scan# 557  
Delta R.T. 0.01 min  
Lab File: BF106431.D  
Acq: 14 Jun 2018 9:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 62.3  | 47.9  | 71.9  |
| 63      | 30.7  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 29.777 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF106431.D

Acq: 14 Jun 2018 9:42

Instrument :

BNA\_F

ClientSampleId :

W-04

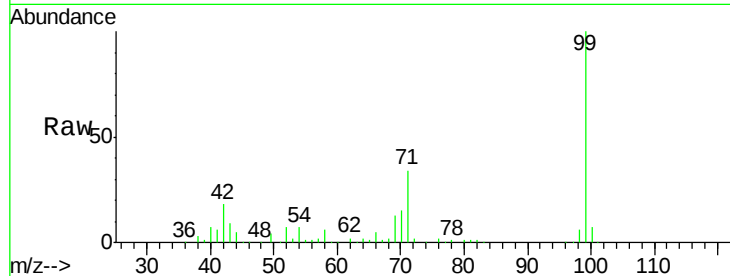
Tot Ion: 99 Resp: 278948

Ion Ratio Lower Upper

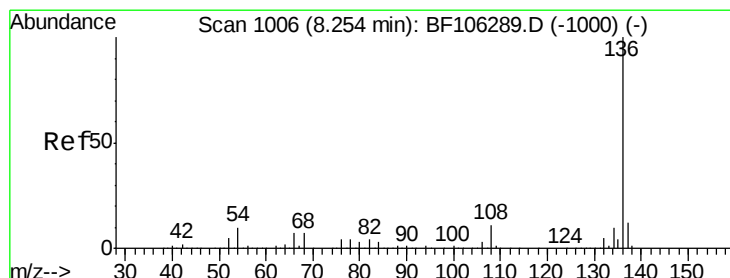
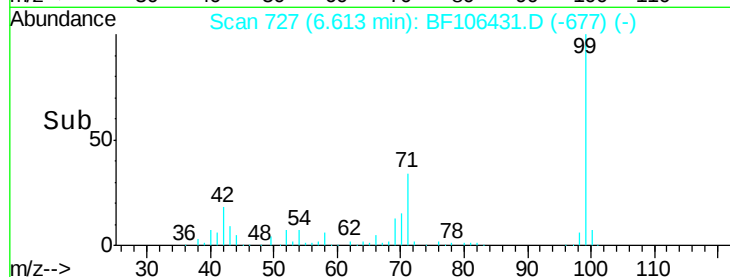
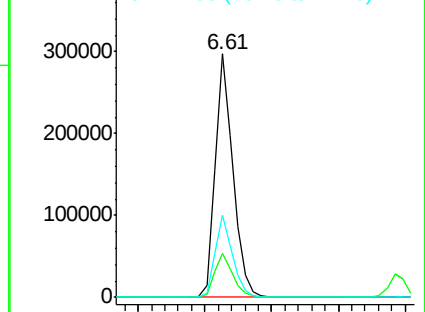
99 100

42 18.0 14.5 21.7

71 33.7 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: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF106431.D

Acq: 14 Jun 2018 9:42

Tgt Ion: 136 Resp: 492158

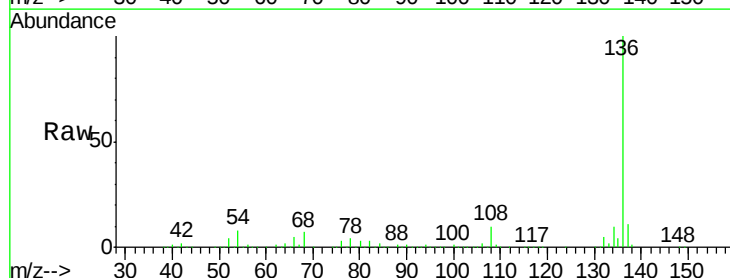
Ion Ratio Lower Upper

136 100

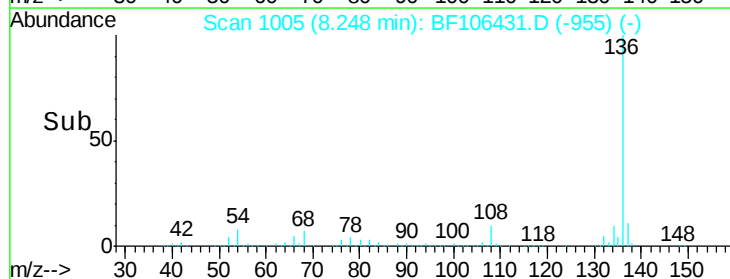
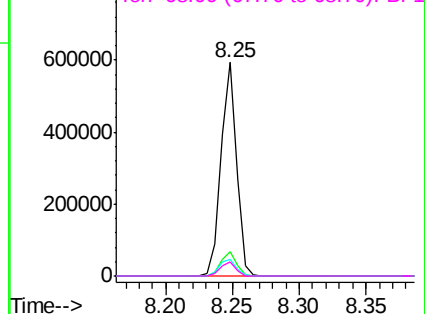
137 11.2 8.9 13.3

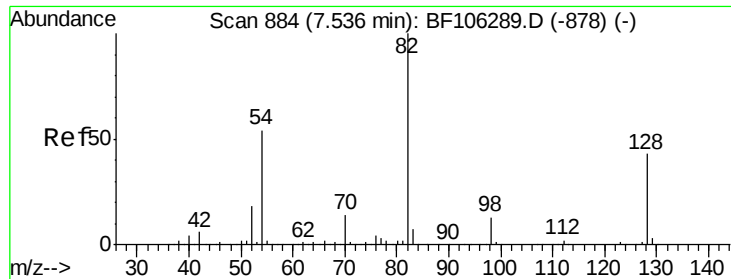
54 8.1 6.6 9.8

68 6.6 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

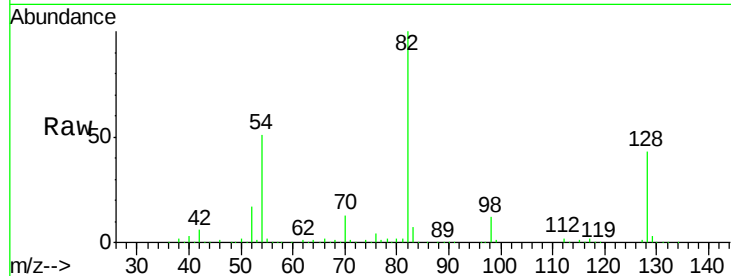




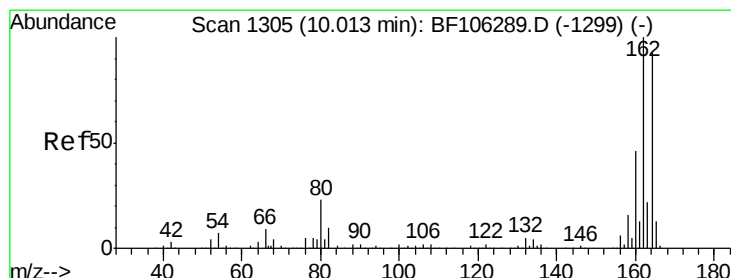
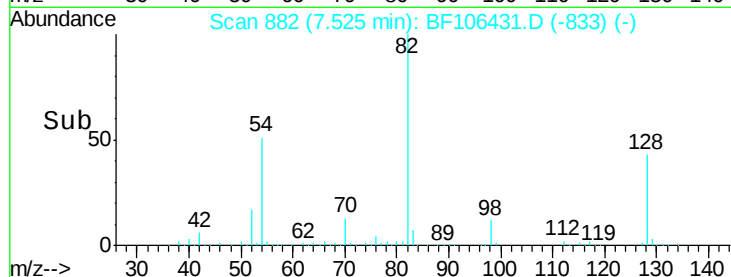
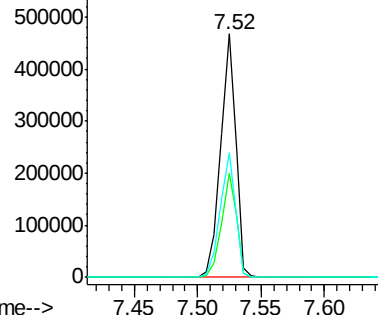
#23  
 Nitrobenzene-d5  
 Concen: 46.393 ng  
 RT: 7.52 min Scan# 882  
 Delta R.T. -0.01 min  
 Lab File: BF106431.D  
 Acq: 14 Jun 2018 9:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-04

Tot Ion: 82 Resp: 388122  
 Ion Ratio Lower Upper  
 82 100  
 128 42.8 36.1 54.1  
 54 51.0 41.4 62.2

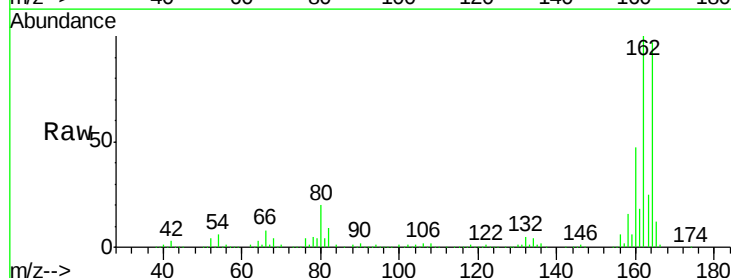


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): B  
 Ion 54.00 (53.70 to 54.70): BF1

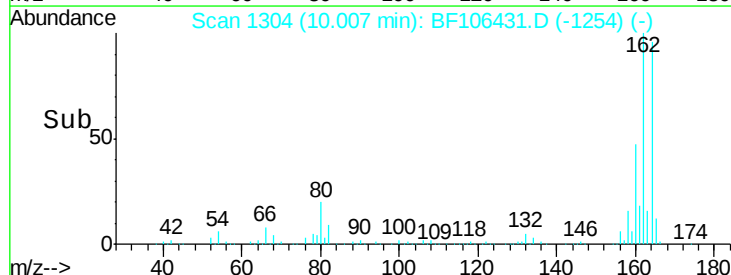
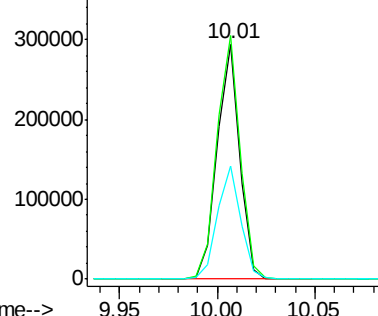


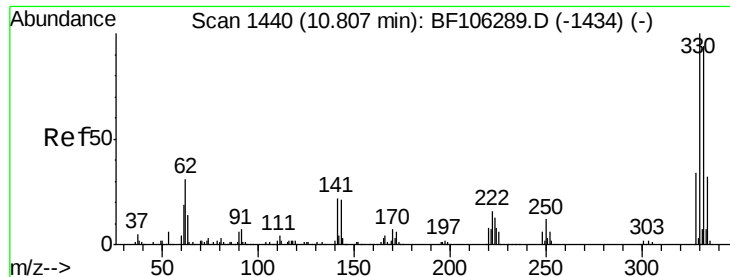
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.01 min Scan# 1304  
 Delta R.T. -0.01 min  
 Lab File: BF106431.D  
 Acq: 14 Jun 2018 9:42

Tgt Ion:164 Resp: 234830  
 Ion Ratio Lower Upper  
 164 100  
 162 103.6 86.1 129.1  
 160 48.2 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

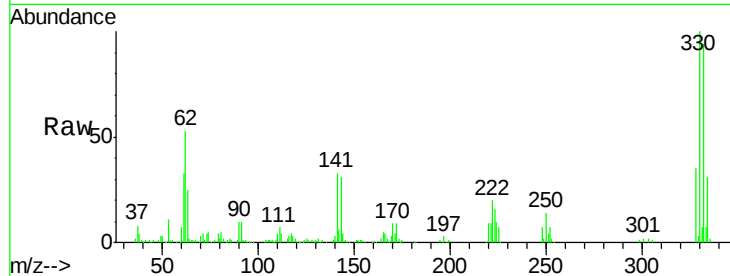




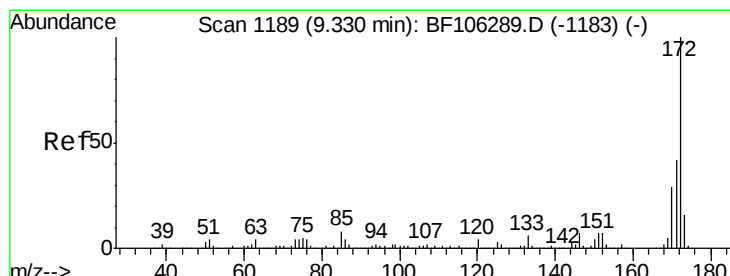
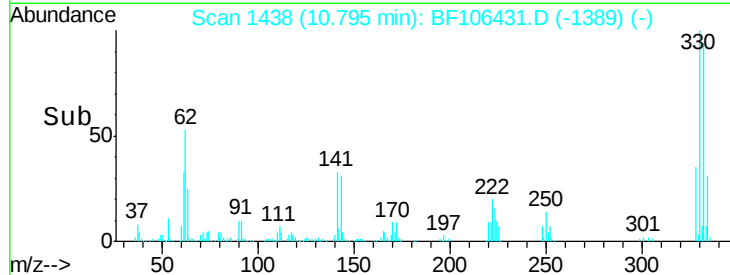
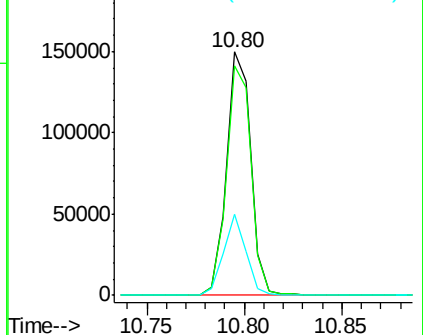
#41  
 2,4,6-Tribromophenol  
 Concen: 57.126 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF106431.D  
 Acq: 14 Jun 2018 9:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-04

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.2  | 77.0  | 115.6 |
| 141     | 30.5  | 29.9  | 44.9  |

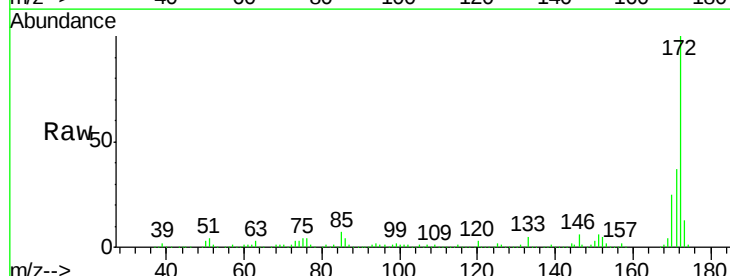


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

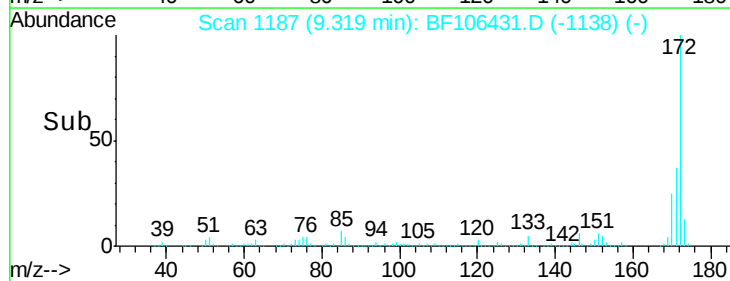
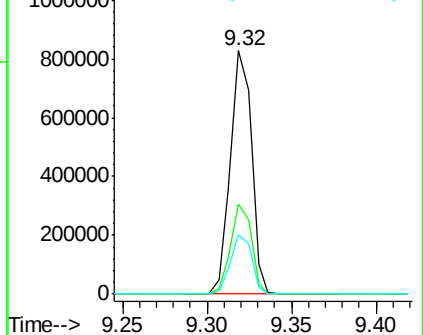


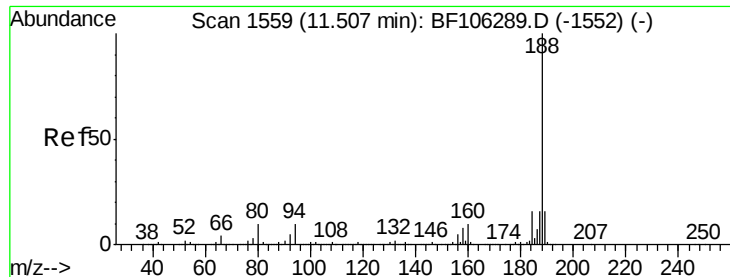
#44  
 2-Fluorobiphenyl  
 Concen: 45.920 ng  
 RT: 9.32 min Scan# 1187  
 Delta R.T. -0.01 min  
 Lab File: BF106431.D  
 Acq: 14 Jun 2018 9:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 29.7  | 44.5  |
| 170     | 24.6  | 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# 1557

Delta R.T. -0.01 min

Lab File: BF106431.D

Acq: 14 Jun 2018 9:42

Instrument :

BNA\_F

ClientSampleId :

W-04

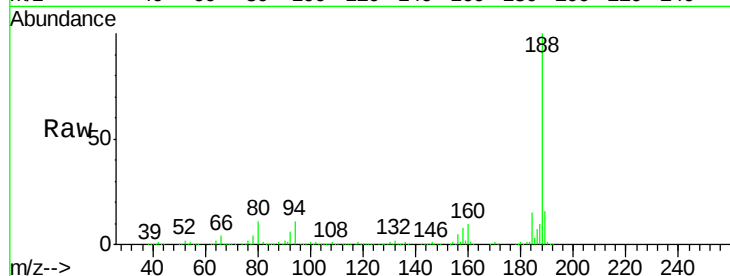
Tot Ion:188 Resp: 437221

Ion Ratio Lower Upper

188 100

94 11.0 8.5 12.7

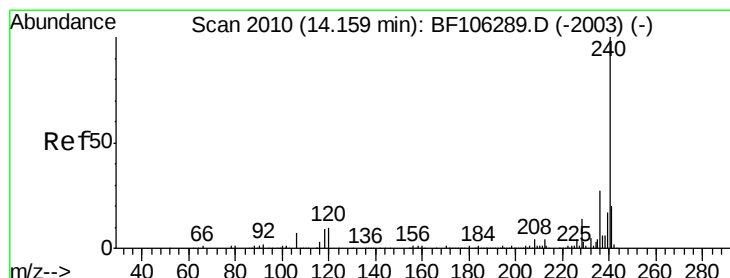
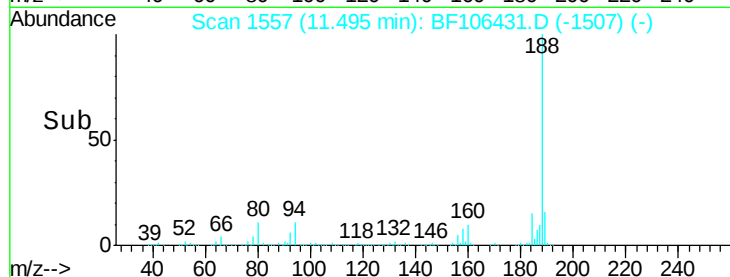
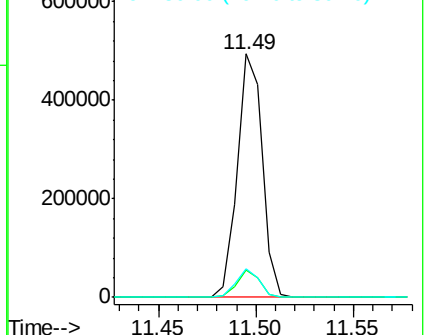
80 11.5 9.2 13.8



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: 14.15 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF106431.D

Acq: 14 Jun 2018 9:42

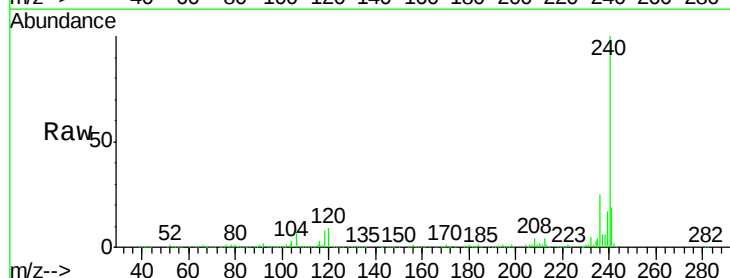
Tgt Ion:240 Resp: 324641

Ion Ratio Lower Upper

240 100

120 8.8 9.5 14.3#

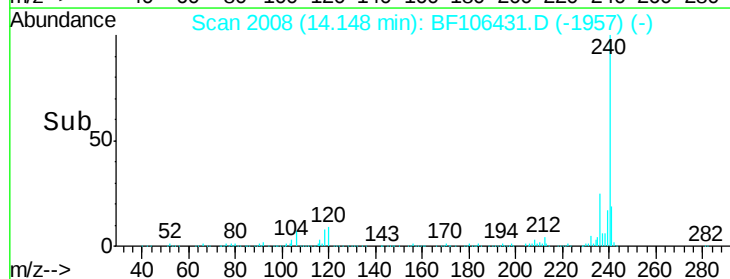
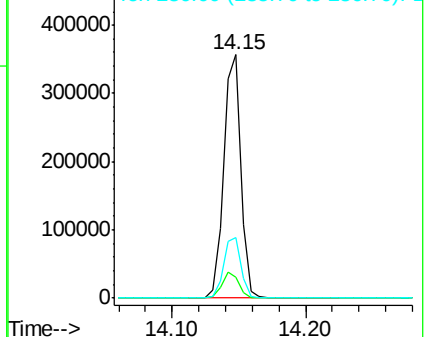
236 25.0 20.7 31.1

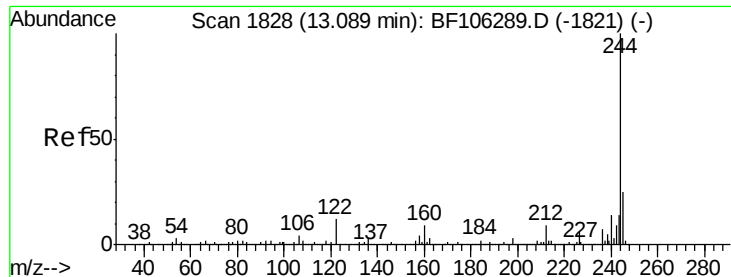


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 50.537 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF106431.D

Acq: 14 Jun 2018 9:42

Instrument :

BNA\_F

ClientSampleId :

W-04

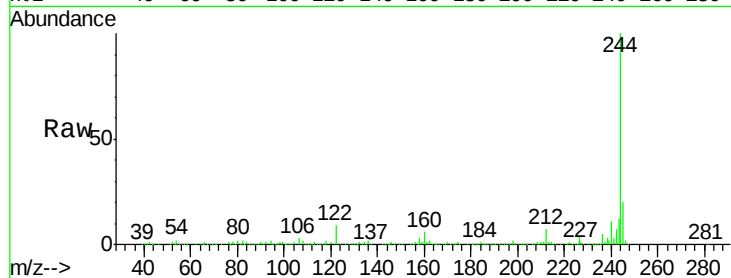
Tot Ion:244 Resp: 660538

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

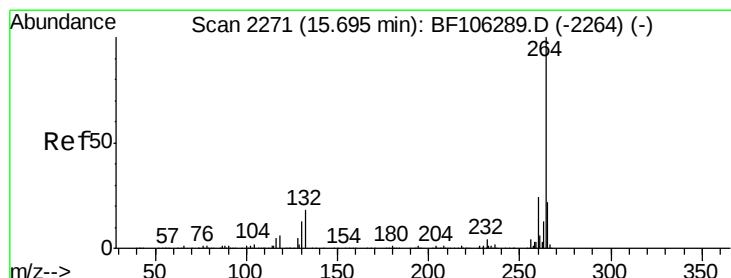
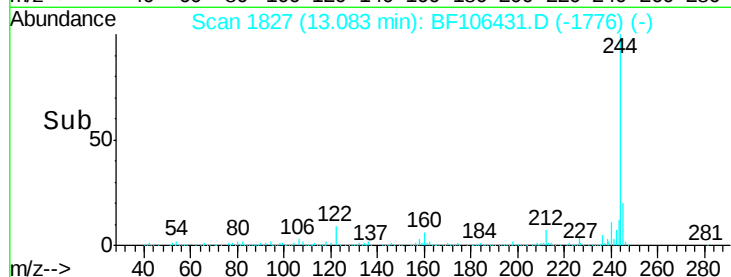
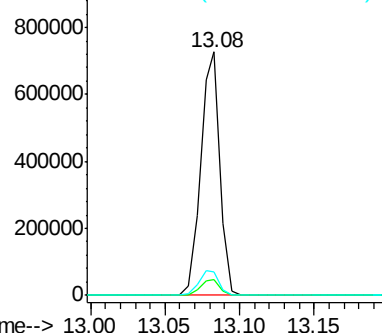
122 9.4 11.0 16.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.68 min Scan# 2268

Delta R.T. -0.00 min

Lab File: BF106431.D

Acq: 14 Jun 2018 9:42

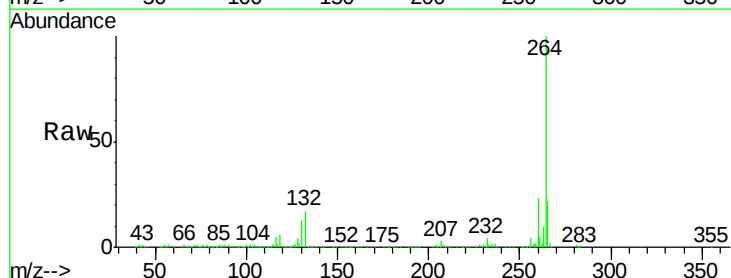
Tgt Ion:264 Resp: 328000

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.7 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

