

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061418\  
 Data File : BF106480.D  
 Acq On : 15 Jun 2018 8:35  
 Operator : JU/SJ  
 Sample : J3503-01  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WS-6

Quant Time: Jun 15 11:27:22 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 15 11:11:47 2018  
 Response via : Initial Calibration

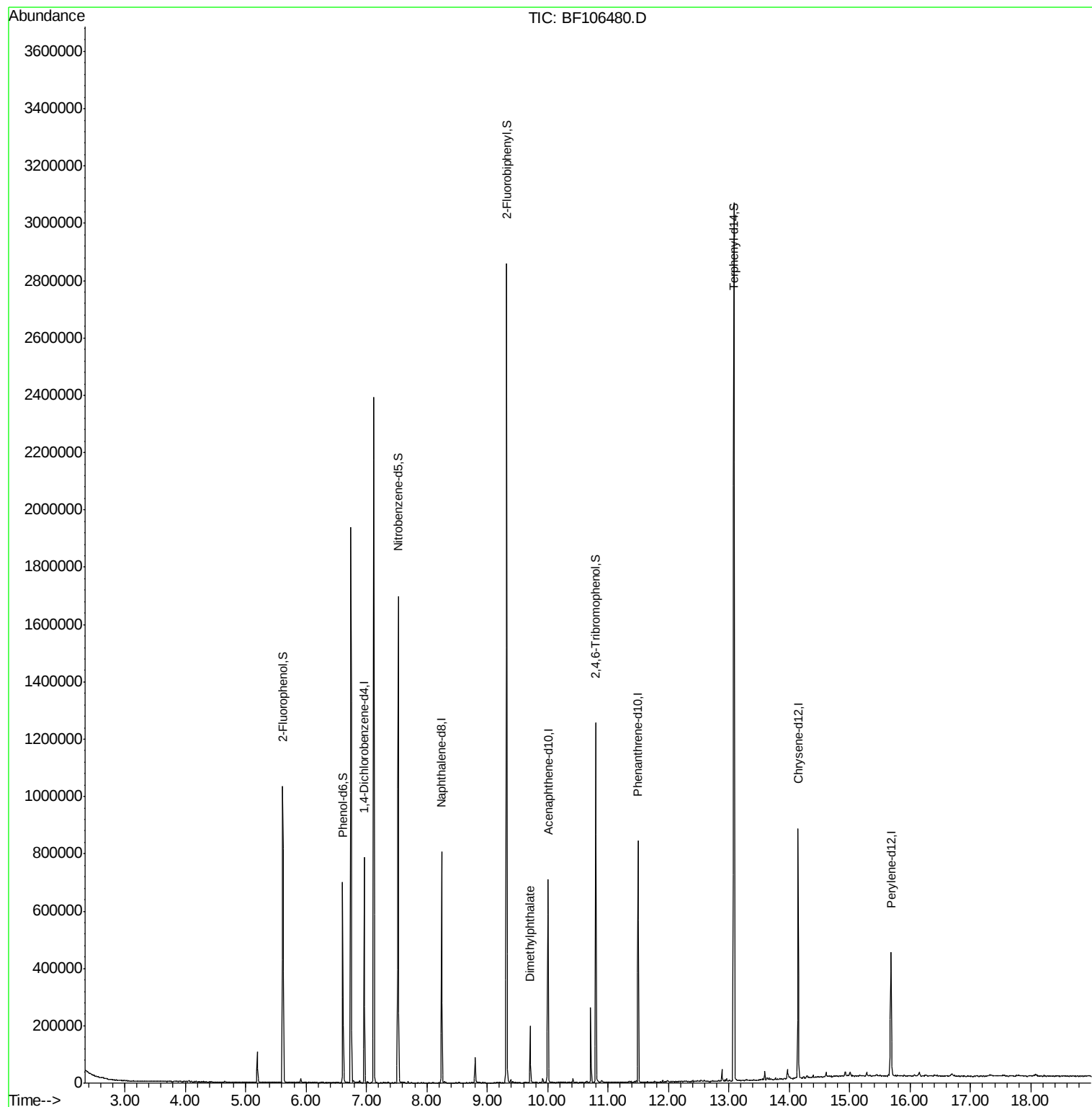
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 105442   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.25  | 136  | 345124   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.01 | 164  | 138735   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.50 | 188  | 282494   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.15 | 240  | 288749   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.68 | 264  | 201752   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 293370   | 47.09  | ng    | 0.00     |
| 7) Phenol-d6                | 6.61  | 99   | 214364   | 27.23  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 629296   | 107.27 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 149537   | 112.02 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 963548   | 163.28 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.08 | 244  | 1093962  | 94.10  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.71  | 163  | 80394    | 8.111  | ng    | 99       |

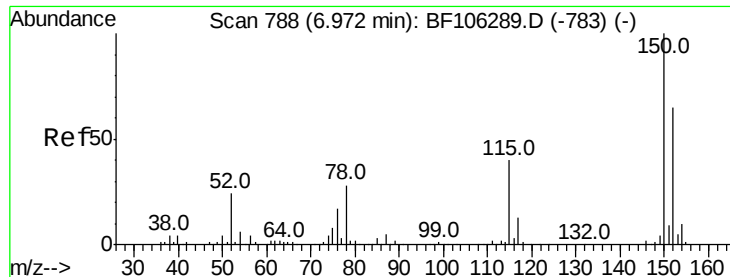
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M  
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QLast Update : Fri Jun 15 11:11:47 2018  
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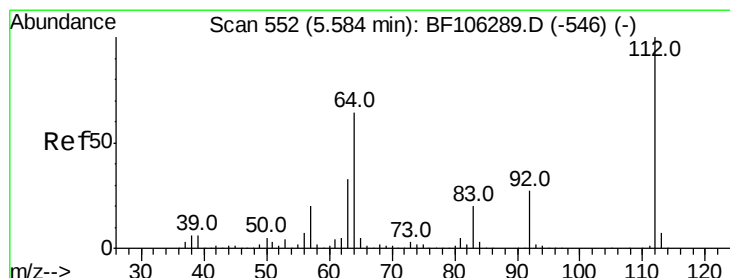
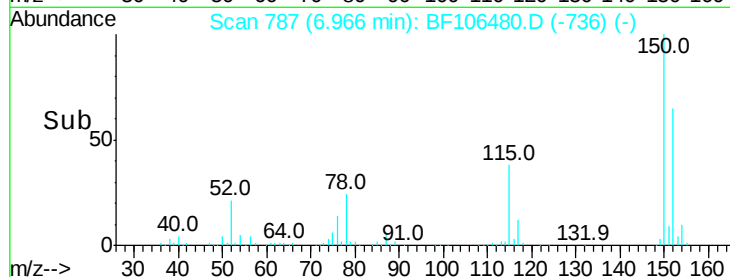
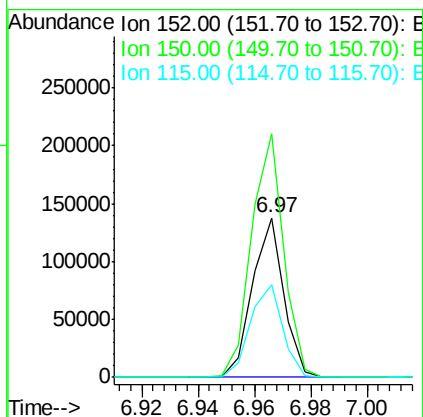
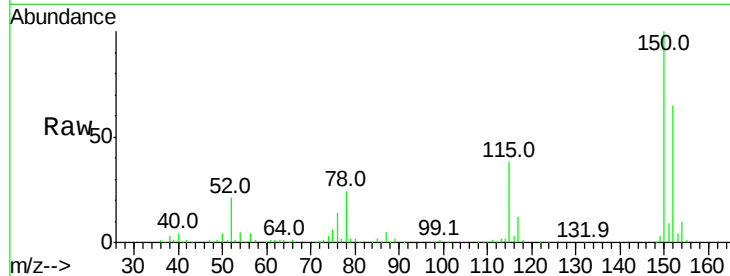


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: BF106480.D  
Acq: 15 Jun 2018 8:35

Instrument :  
BNA\_F  
ClientSampleId :  
WS-6

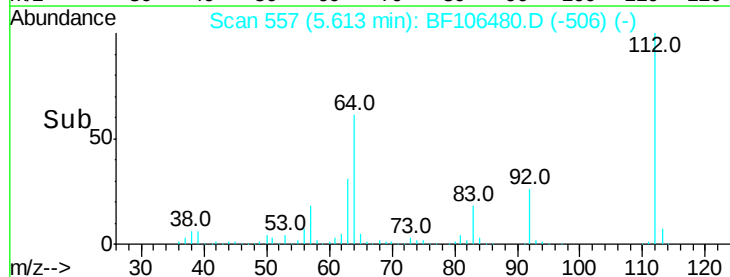
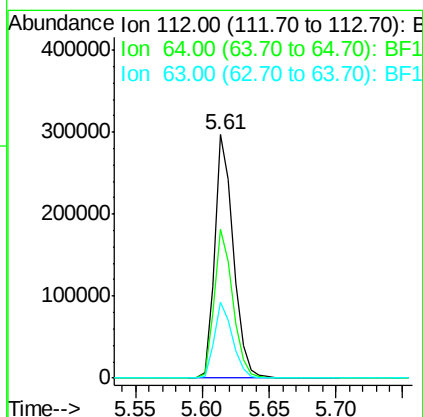
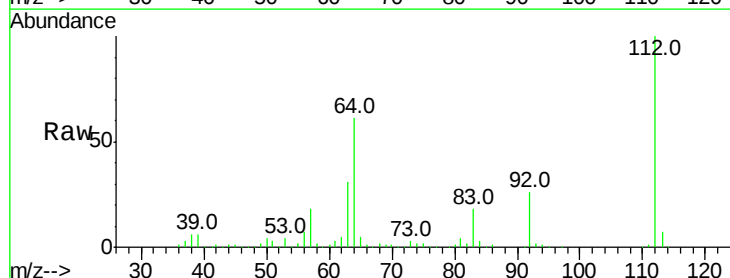
Tot Ion:152 Resp: 105442  
Ion Ratio Lower Upper  
152 100  
150 153.0 124.6 186.8  
115 57.9 50.1 75.1

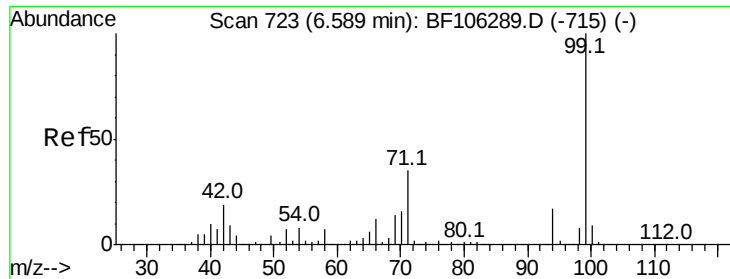


#5

2-Fluorophenol  
Concen: 47.090 ng  
RT: 5.61 min Scan# 557  
Delta R.T. 0.00 min  
Lab File: BF106480.D  
Acq: 15 Jun 2018 8:35

Tgt Ion:112 Resp: 293370  
Ion Ratio Lower Upper  
112 100  
64 61.4 47.9 71.9  
63 31.1 23.7 35.5





#7

Phenol-d6

Concen: 27.235 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106480.D

Acq: 15 Jun 2018 8:35

Instrument :

BNA\_F

ClientSampleId :

WS-6

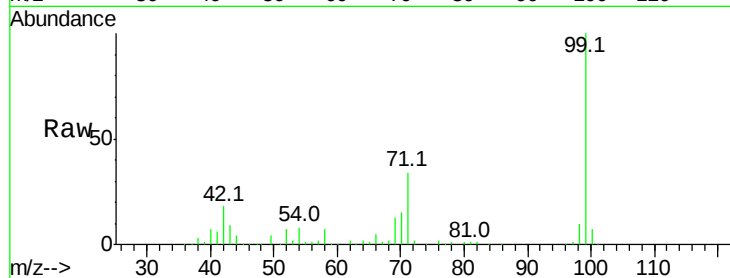
Tot Ion: 99 Resp: 214364

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

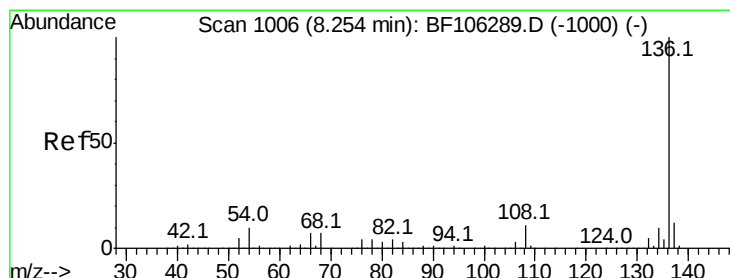
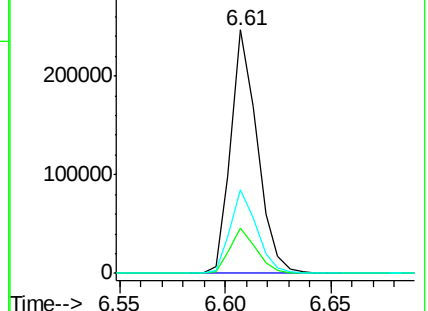
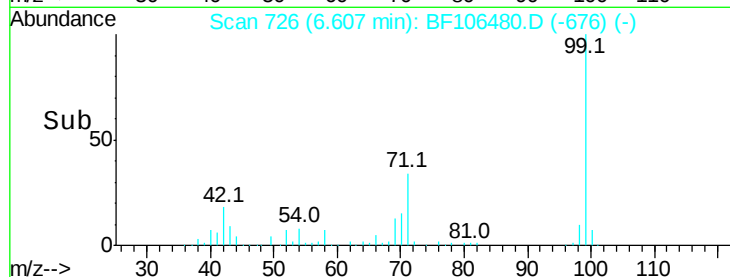
71 34.2 25.4 38.0



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. 0.00 min

Lab File: BF106480.D

Acq: 15 Jun 2018 8:35

Tgt Ion: 136 Resp: 345124

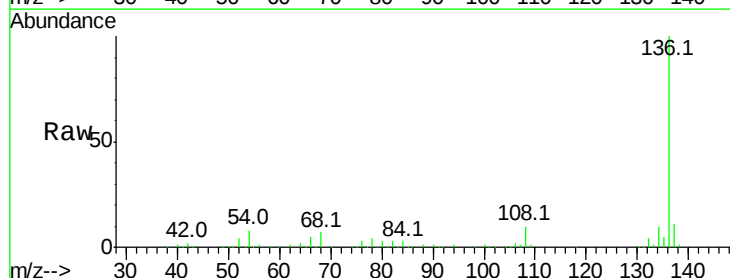
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.8 6.6 9.8

68 6.5 5.0 7.4

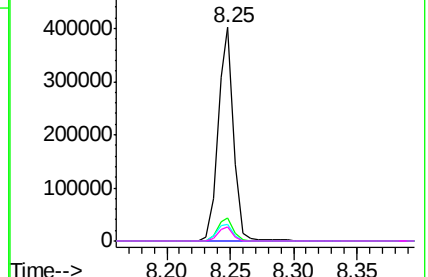
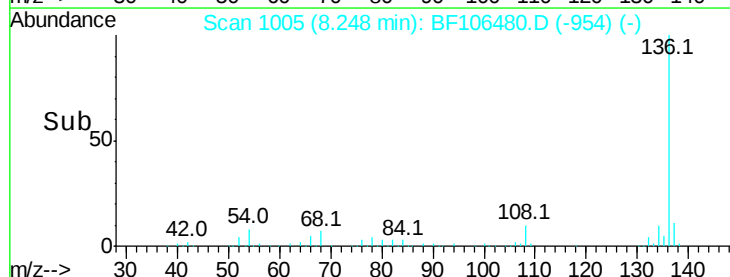


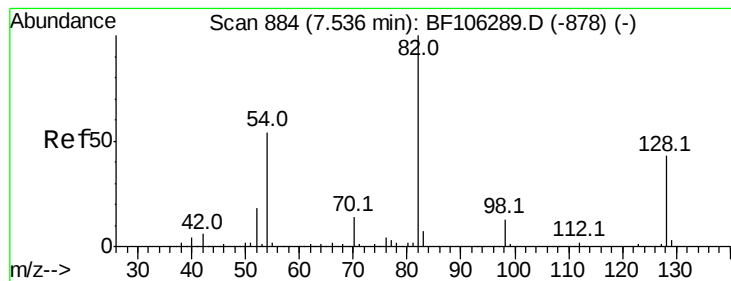
Abundance Ion 136.00 (135.70 to 136.70): E

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: 107.267 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF106480.D

Acq: 15 Jun 2018 8:35

Instrument :

BNA\_F

ClientSampleId :

WS-6

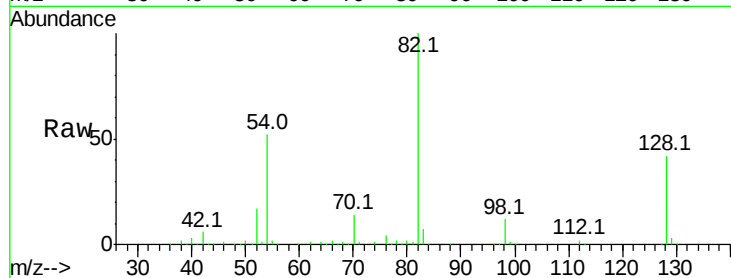
Tot Ion: 82 Resp: 629296

Ion Ratio Lower Upper

82 100

128 41.9 36.1 54.1

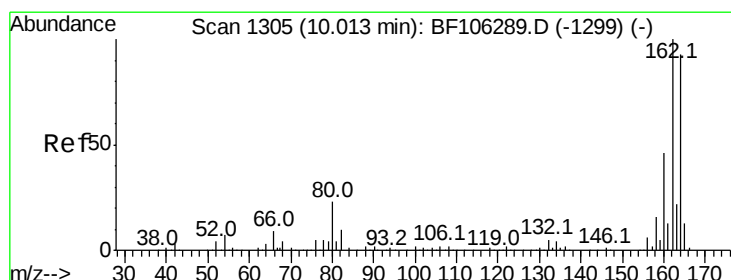
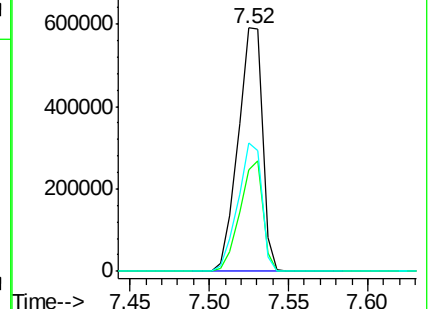
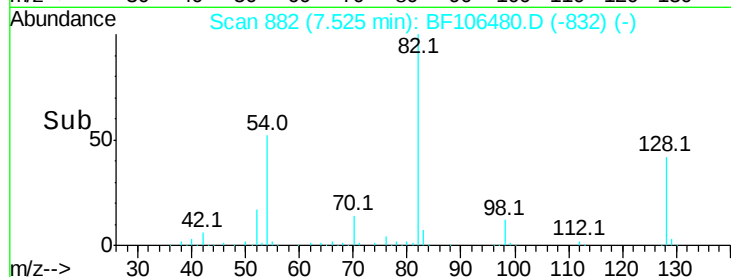
54 52.5 41.4 62.2



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: 10.01 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF106480.D

Acq: 15 Jun 2018 8:35

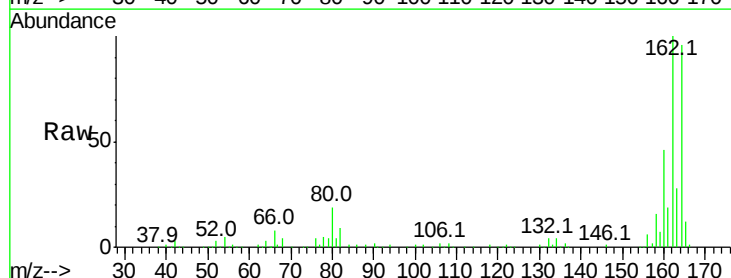
Tgt Ion:164 Resp: 138735

Ion Ratio Lower Upper

164 100

162 103.8 86.1 129.1

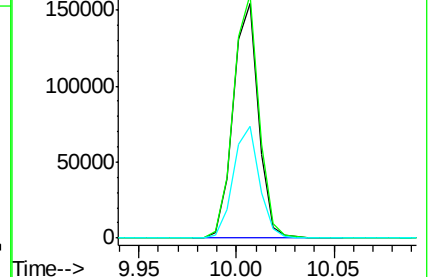
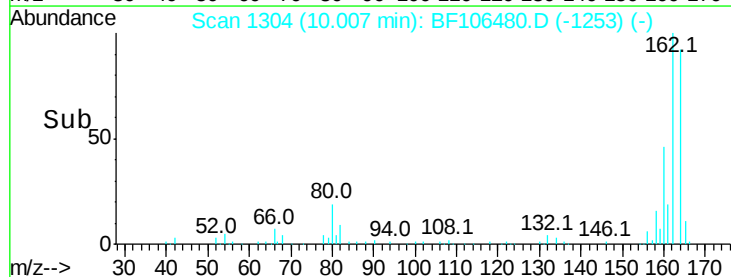
160 47.5 38.3 57.5

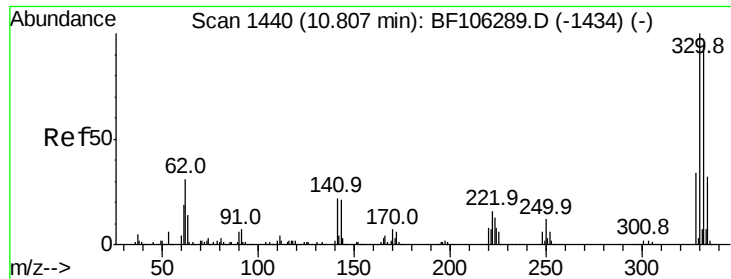


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

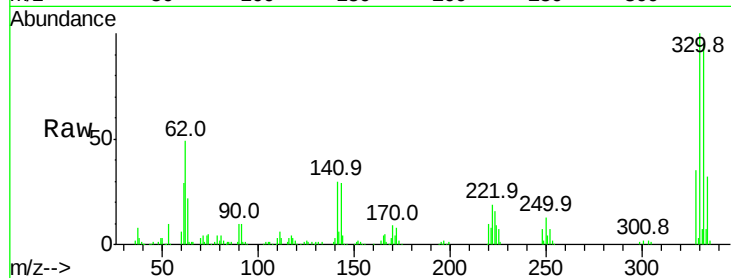




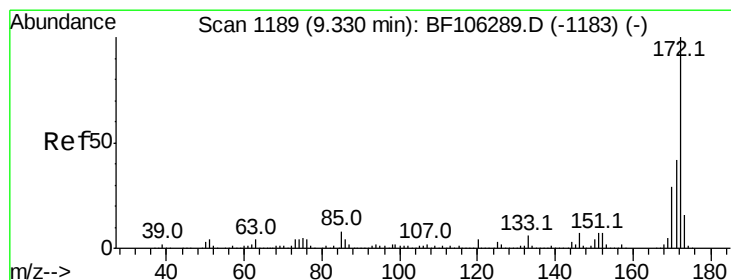
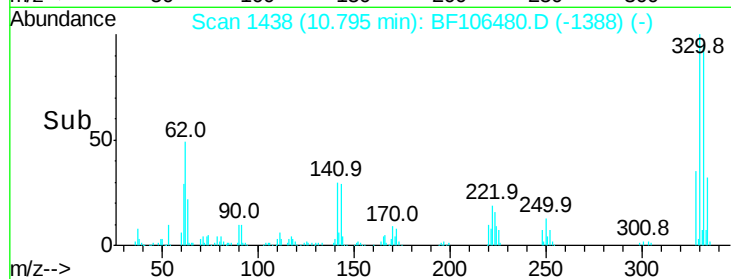
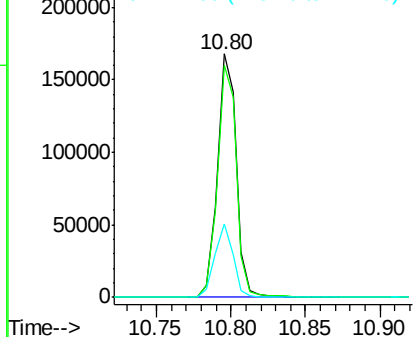
#41  
 2,4,6-Tribromophenol  
 Concen: 112.024 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF106480.D  
 Acq: 15 Jun 2018 8:35

Instrument :  
 BNA\_F  
 ClientSampled :  
 WS-6

Tot Ion:330 Resp: 149537  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 77.0 115.6  
 141 29.5 29.9 44.9#

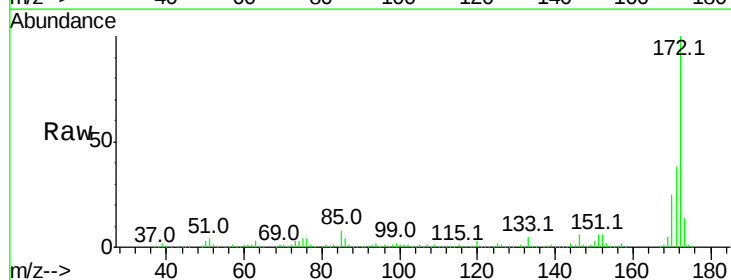


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

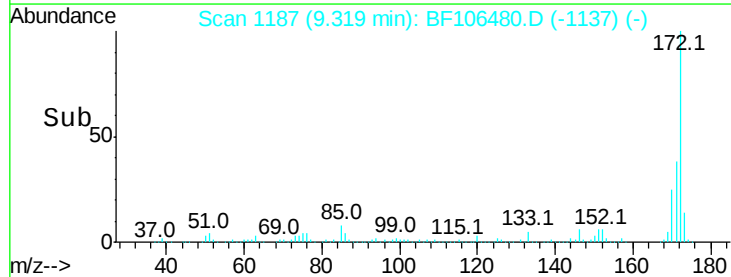
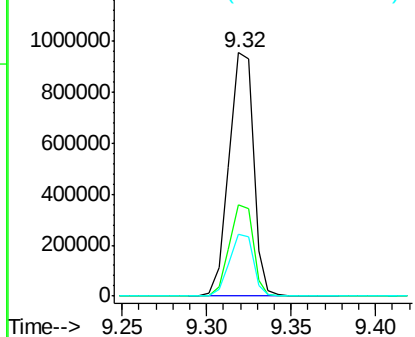


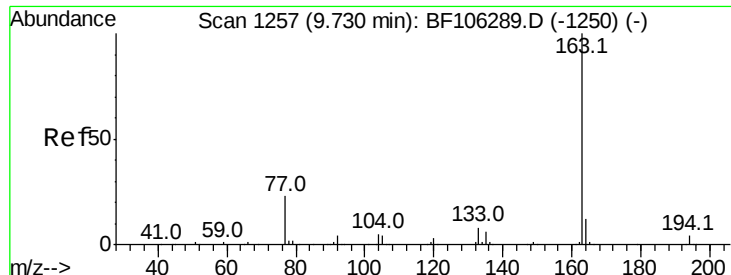
#44  
 2-Fluorobiphenyl  
 Concen: 163.277 ng  
 RT: 9.32 min Scan# 1187  
 Delta R.T. -0.01 min  
 Lab File: BF106480.D  
 Acq: 15 Jun 2018 8:35

Tgt Ion:172 Resp: 963548  
 Ion Ratio Lower Upper  
 172 100  
 171 37.5 29.7 44.5  
 170 25.4 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

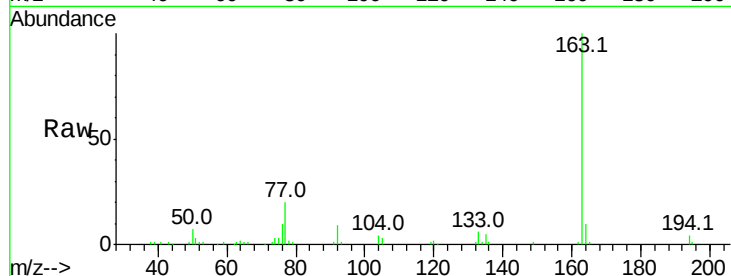




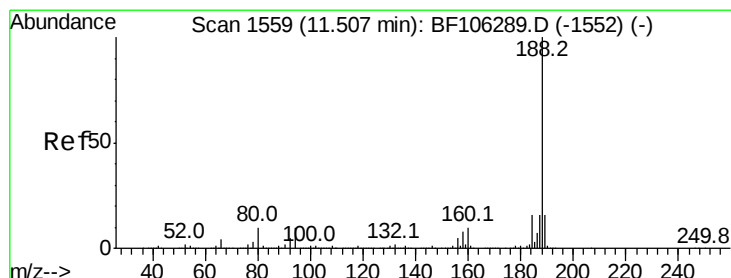
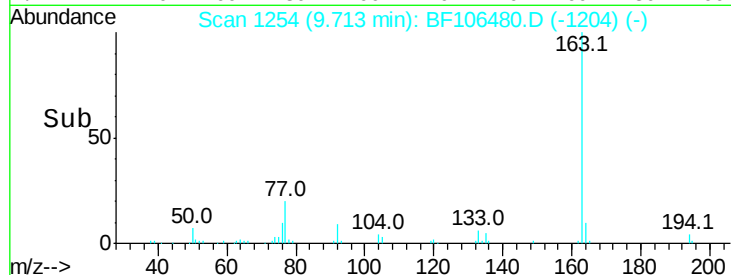
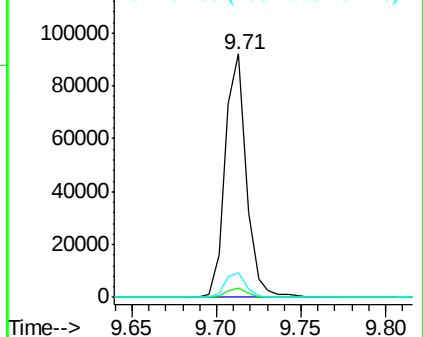
#49  
Dimethylphthalate  
Concen: 8.111 ng  
RT: 9.71 min Scan# 1254  
Delta R.T. -0.01 min  
Lab File: BF106480.D  
Acq: 15 Jun 2018 8:35

Instrument :  
BNA\_F  
ClientSampleId :  
WS-6

Tot Ion:163 Resp: 80394  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.7 4.1  
164 10.0 8.2 12.2

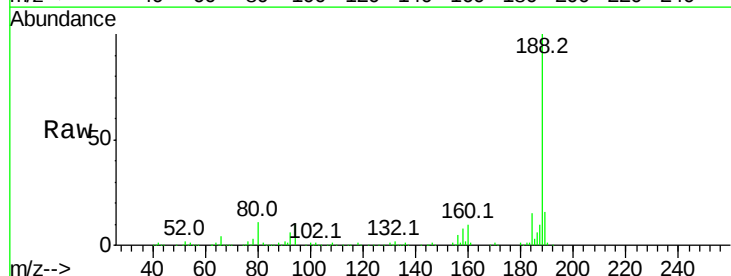


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

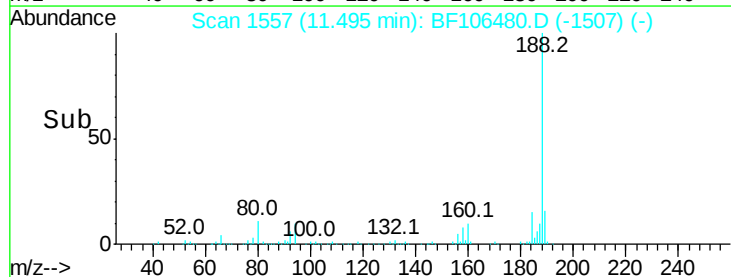
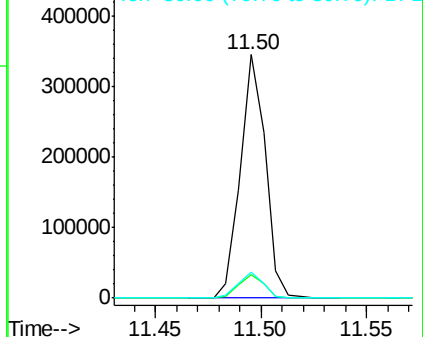


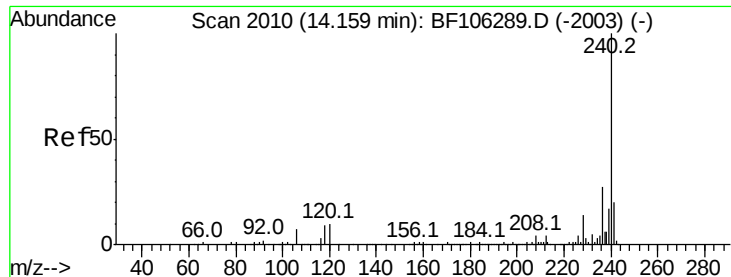
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1557  
Delta R.T. -0.01 min  
Lab File: BF106480.D  
Acq: 15 Jun 2018 8:35

Tgt Ion:188 Resp: 282494  
Ion Ratio Lower Upper  
188 100  
94 9.7 8.5 12.7  
80 10.7 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. -0.01 min

Lab File: BF106480.D

Acq: 15 Jun 2018 8:35

Instrument :

BNA\_F

ClientSampleId :

WS-6

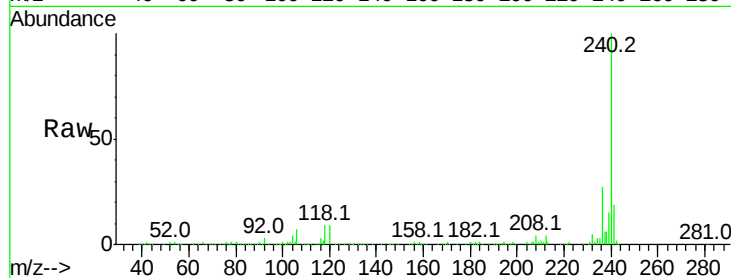
Tot Ion:240 Resp: 288749

Ion Ratio Lower Upper

240 100

120 9.5 9.5 14.3#

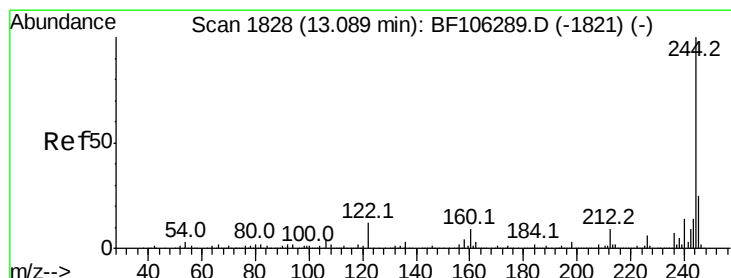
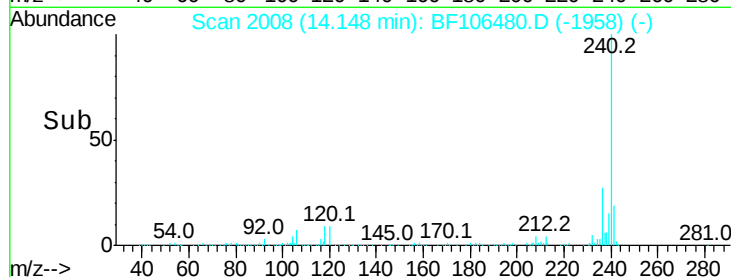
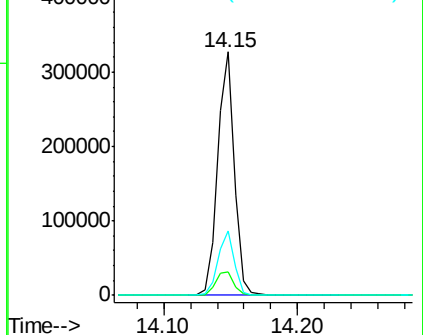
236 26.6 20.7 31.1



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: 94.101 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF106480.D

Acq: 15 Jun 2018 8:35

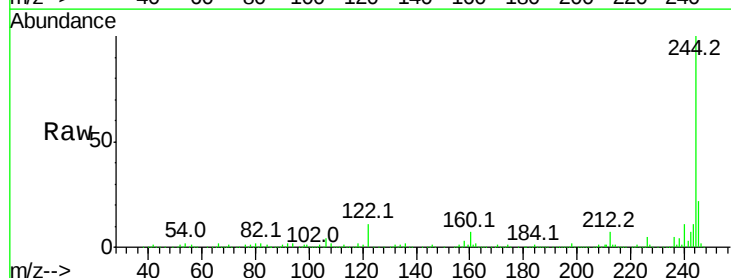
Tgt Ion:244 Resp: 1093962

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

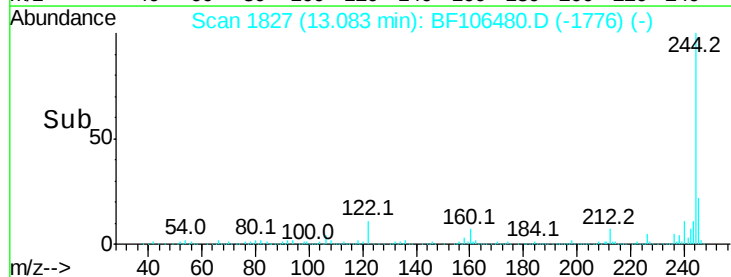
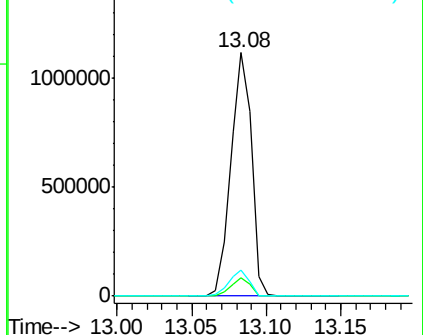
122 10.8 11.0 16.4#

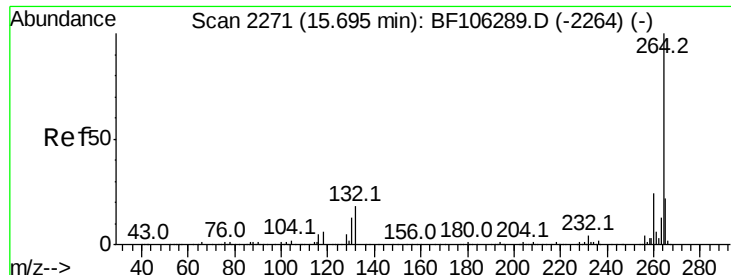


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

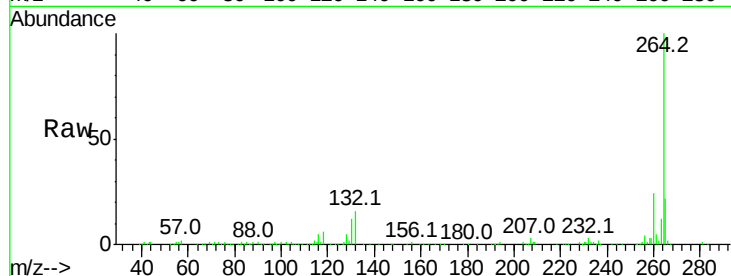




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.68 min Scan# 2269  
 Delta R.T. 0.00 min  
 Lab File: BF106480.D  
 Acq: 15 Jun 2018 8:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WS-6

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 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

