

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\  
 Data File : BF106553.D  
 Acq On : 18 Jun 2018 22:47  
 Operator : JU/SJ  
 Sample : J3564-01  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-15

Quant Time: Jun 19 08:05:34 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

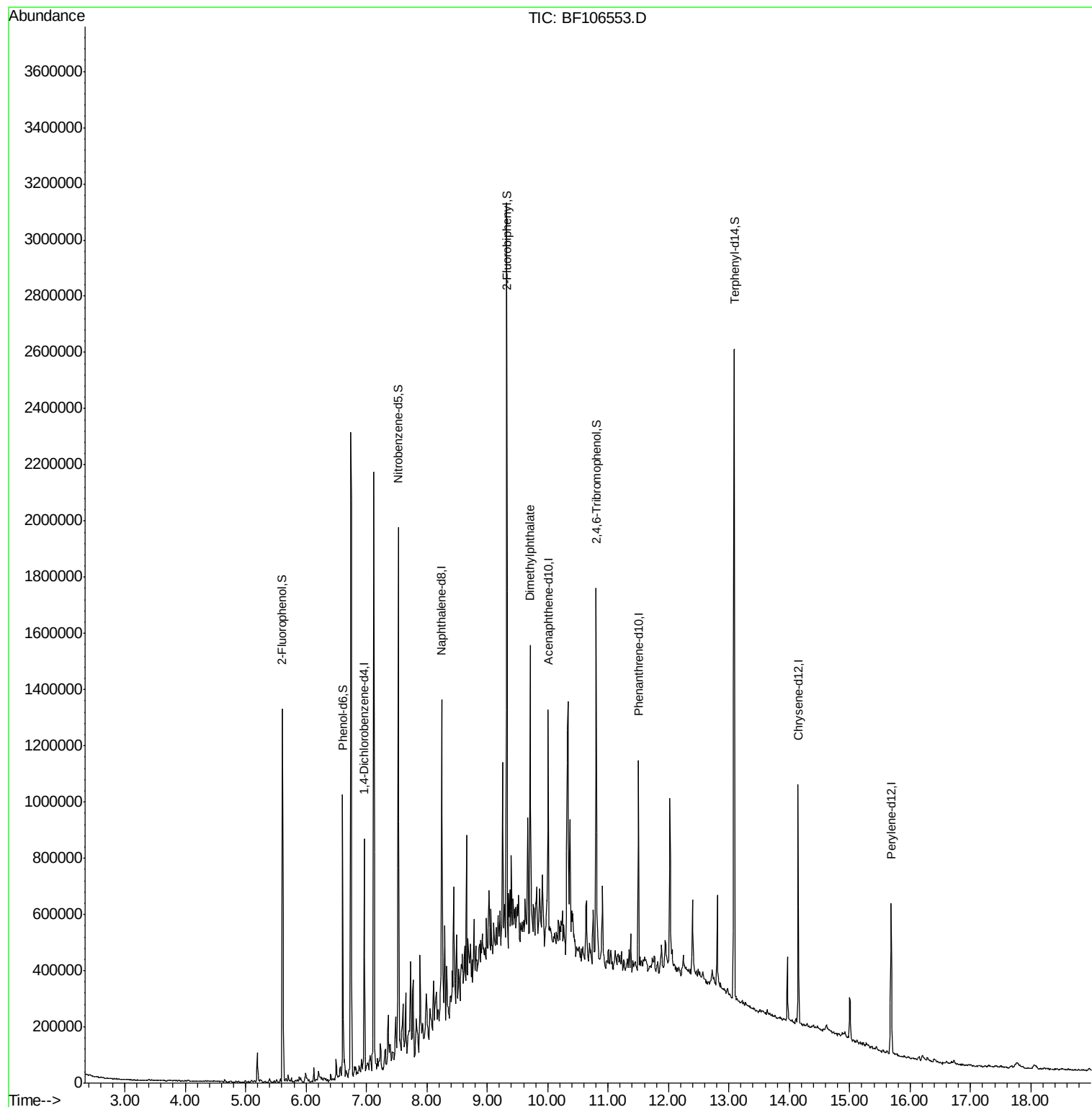
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 107481   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.25  | 136  | 371995   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 10.01 | 164  | 153928   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.50 | 188  | 253574   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 14.15 | 240  | 307778   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 15.69 | 264  | 275822   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.61  | 112  | 391592   | 61.66  | ng    | 0.00           |
| 7) Phenol-d6                | 6.61  | 99   | 307250   | 38.30  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 580787   | 91.85  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 10.81 | 330  | 202648   | 136.83 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 895504   | 115.06 | ng    | 0.00           |
| 78) Terphenyl-d14           | 13.09 | 244  | 906097   | 73.12  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.71  | 163  | 81298    | 7.393  | ng    | Qvalue<br># 92 |

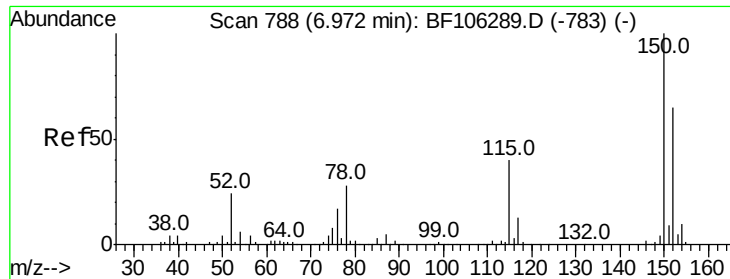
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\  
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Instrument :  
BNA\_F  
ClientSampleId :  
MW-15

Quant Time: Jun 19 08:05:34 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



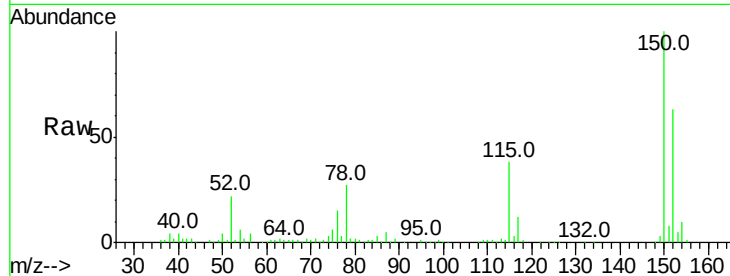


#1

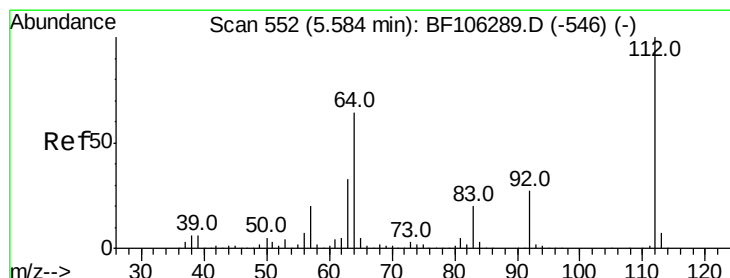
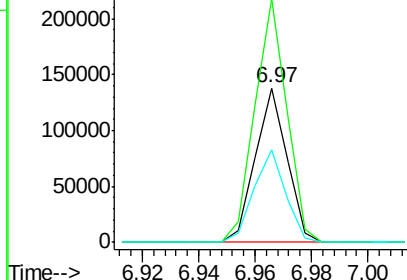
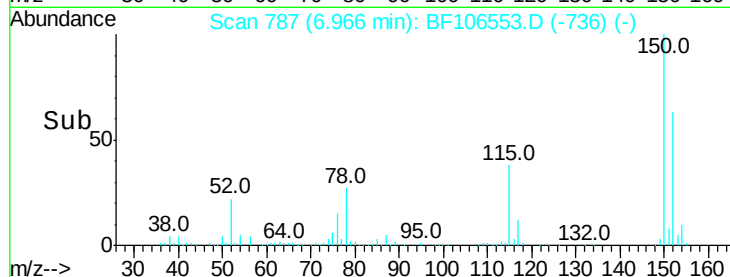
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: BF106553.D  
Acq: 18 Jun 2018 22:47

Instrument :  
BNA\_F  
ClientSampleId :  
MW-15

Tot Ion:152 Resp: 107481  
Ion Ratio Lower Upper  
152 100  
150 157.6 124.6 186.8  
115 60.3 50.1 75.1



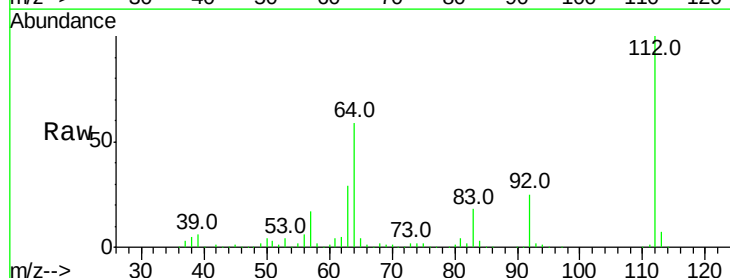
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



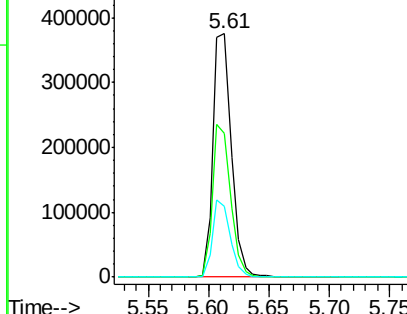
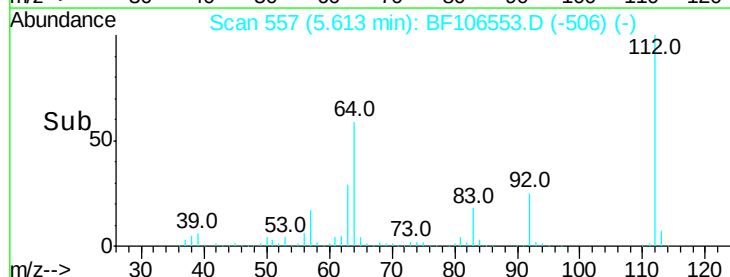
#5

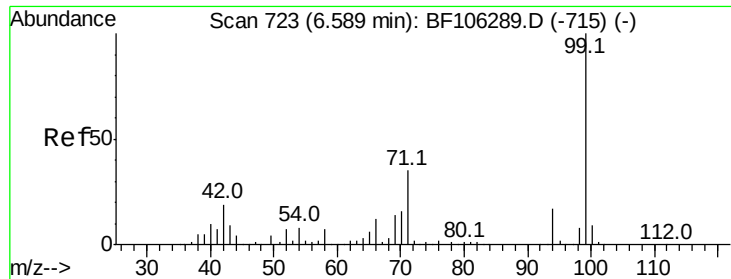
2-Fluorophenol  
Concen: 61.664 ng  
RT: 5.61 min Scan# 557  
Delta R.T. 0.00 min  
Lab File: BF106553.D  
Acq: 18 Jun 2018 22:47

Tgt Ion:112 Resp: 391592  
Ion Ratio Lower Upper  
112 100  
64 59.0 47.9 71.9  
63 29.3 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: 38.295 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106553.D

Acq: 18 Jun 2018 22:47

Instrument :

BNA\_F

ClientSampleId :

MW-15

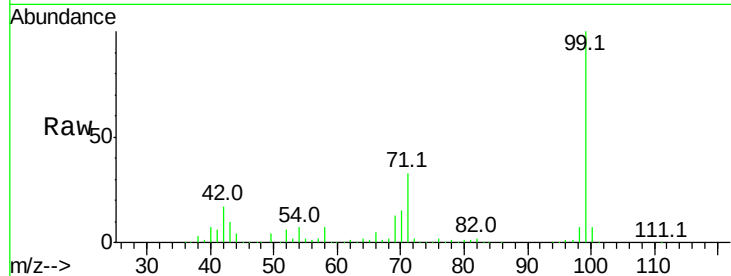
Tot Ion: 99 Resp: 307250

Ion Ratio Lower Upper

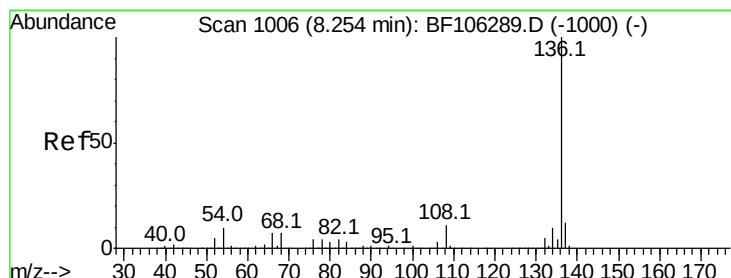
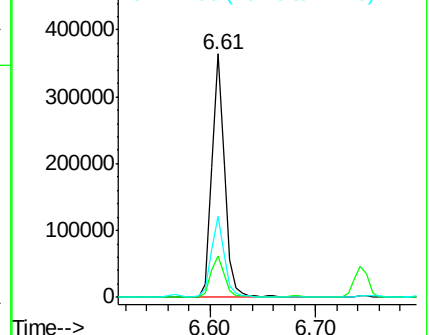
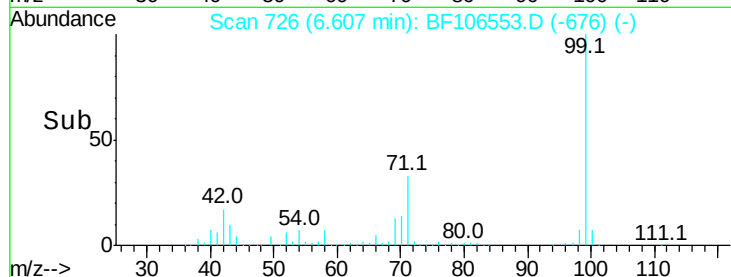
99 100

42 17.2 14.5 21.7

71 33.2 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: BF106553.D

Acq: 18 Jun 2018 22:47

Tgt Ion: 136 Resp: 371995

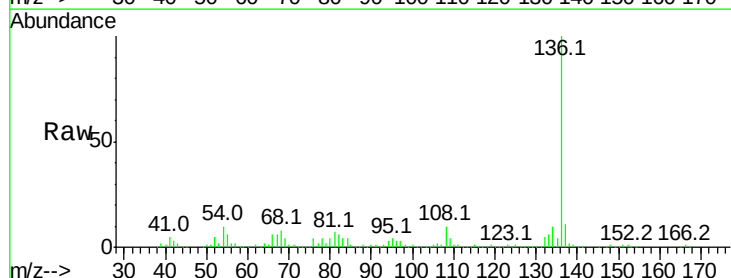
Ion Ratio Lower Upper

136 100

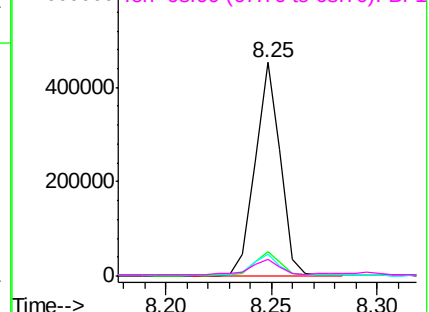
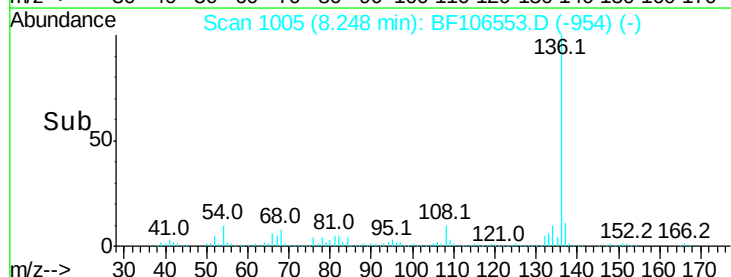
137 11.3 8.9 13.3

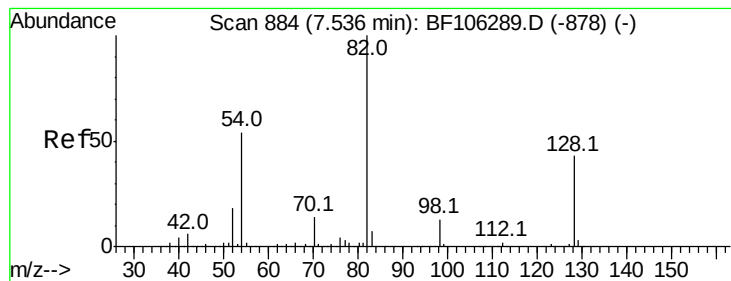
54 10.1 6.6 9.8#

68 8.1 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: 91.848 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.00 min

Lab File: BF106553.D

Acq: 18 Jun 2018 22:47

Instrument :

BNA\_F

ClientSampleId :

MW-15

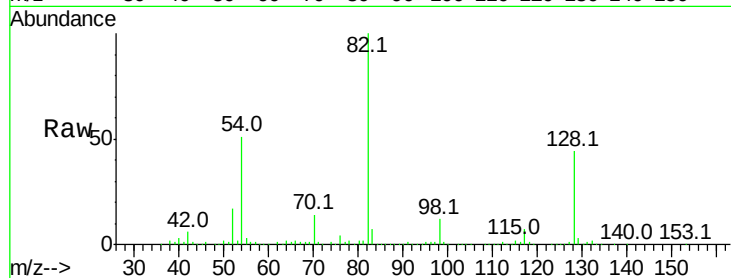
Tot Ion: 82 Resp: 580787

Ion Ratio Lower Upper

82 100

128 44.2 36.1 54.1

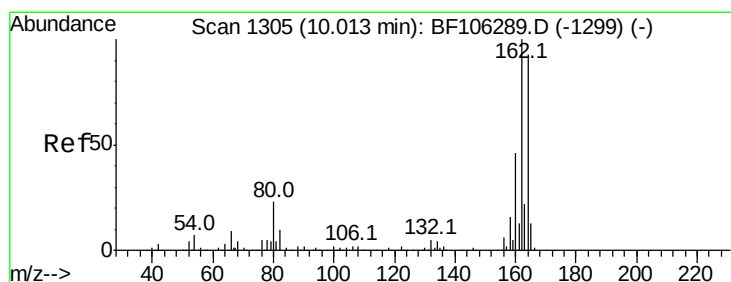
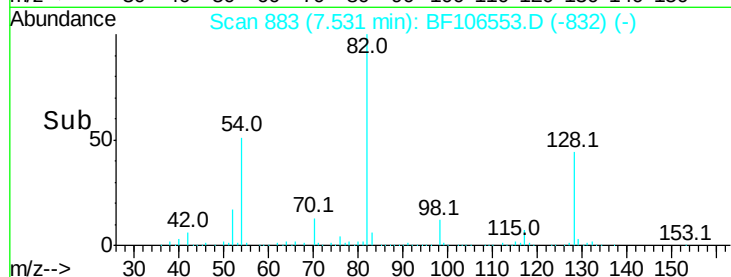
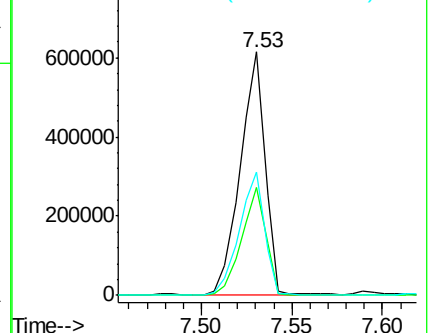
54 50.7 41.4 62.2



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: BF106553.D

Acq: 18 Jun 2018 22:47

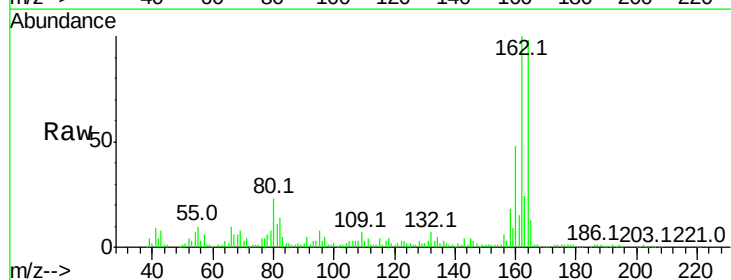
Tgt Ion:164 Resp: 153928

Ion Ratio Lower Upper

164 100

162 102.3 86.1 129.1

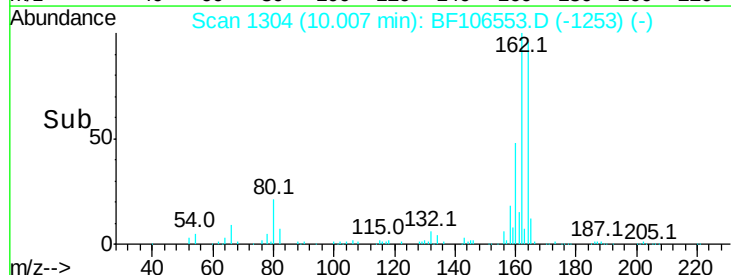
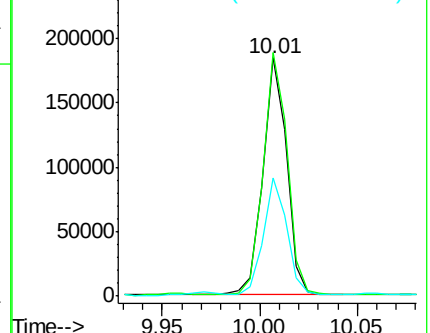
160 49.4 38.3 57.5

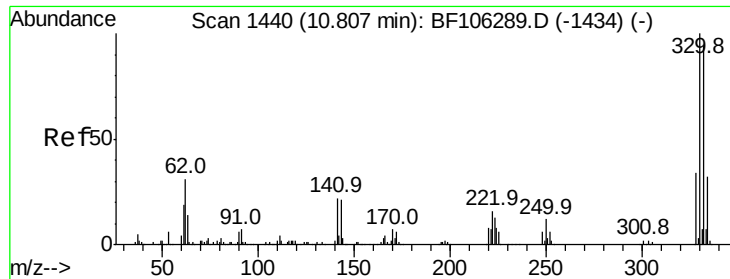


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

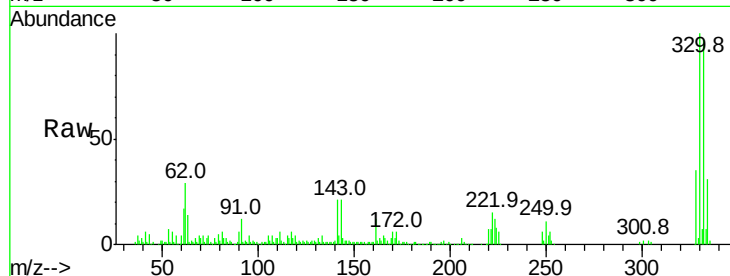




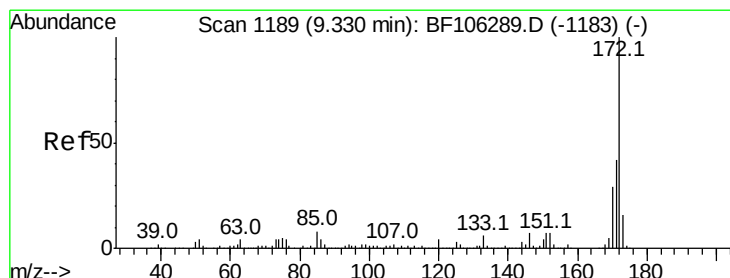
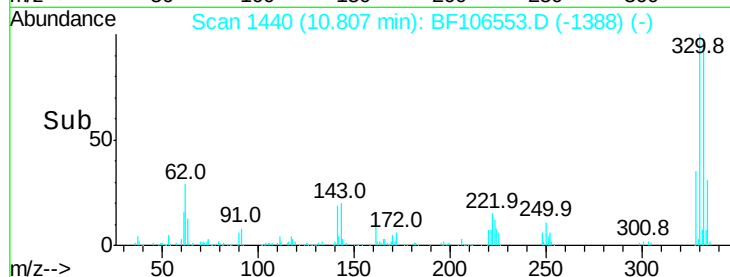
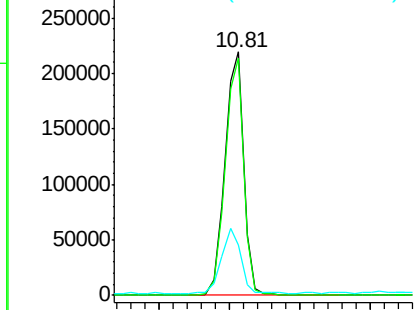
#41  
 2,4,6-Tribromophenol  
 Concen: 136.827 ng  
 RT: 10.81 min Scan# 1440  
 Delta R.T. 0.01 min  
 Lab File: BF106553.D  
 Acq: 18 Jun 2018 22:47

Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-15

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 77.0  | 115.6 |
| 141     | 27.4  | 29.9  | 44.9# |

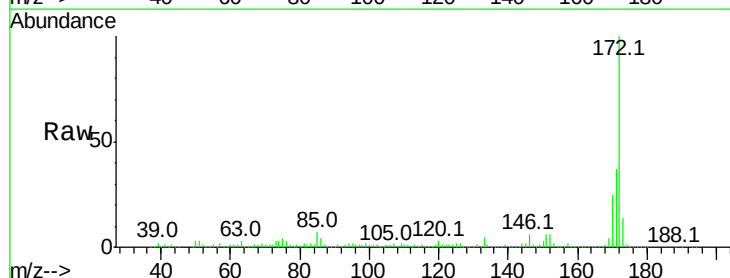


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

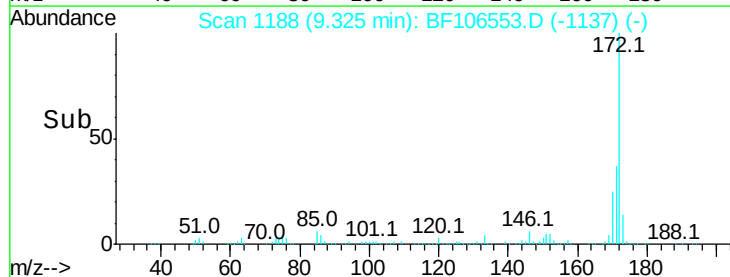
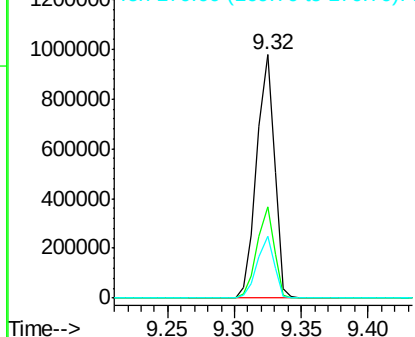


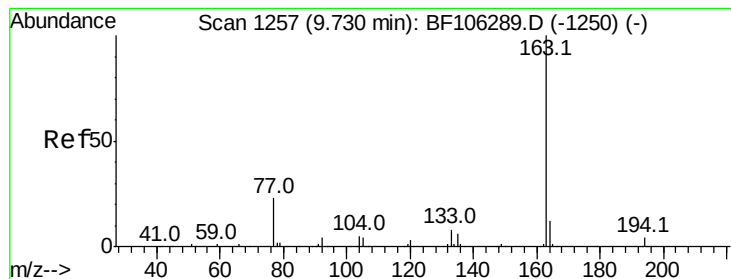
#44  
 2-Fluorobiphenyl  
 Concen: 115.057 ng  
 RT: 9.32 min Scan# 1188  
 Delta R.T. 0.00 min  
 Lab File: BF106553.D  
 Acq: 18 Jun 2018 22:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.3  | 29.7  | 44.5  |
| 170     | 25.3  | 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: 7.393 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF106553.D

Acq: 18 Jun 2018 22:47

Instrument :

BNA\_F

ClientSampled :

MW-15

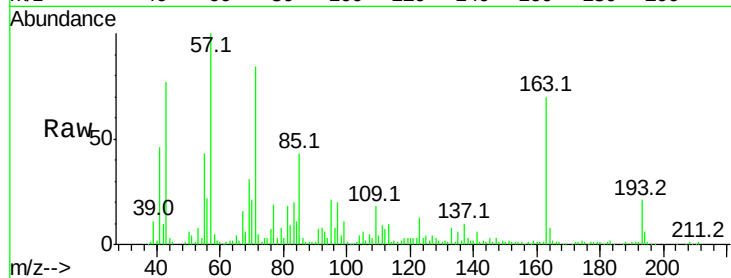
Tot Ion:163 Resp: 81298

Ion Ratio Lower Upper

163 100

194 8.9 2.7 4.1#

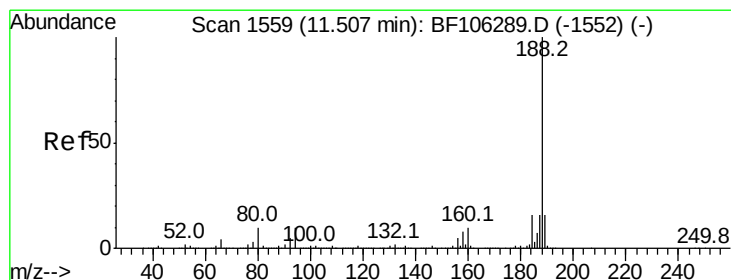
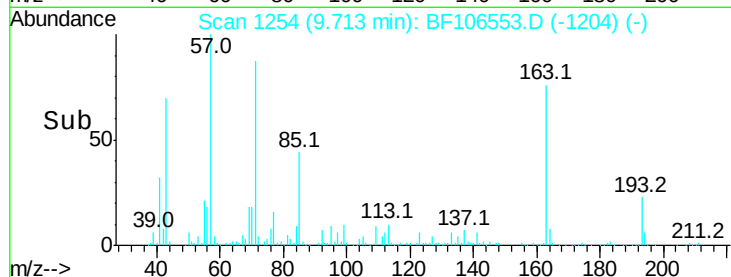
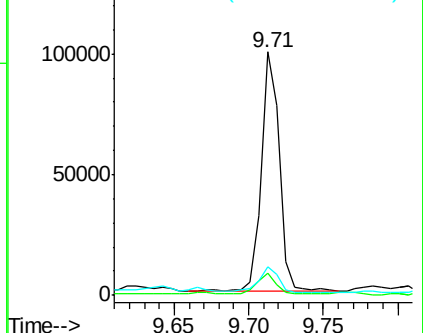
164 11.9 8.2 12.2



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# 1558

Delta R.T. 0.00 min

Lab File: BF106553.D

Acq: 18 Jun 2018 22:47

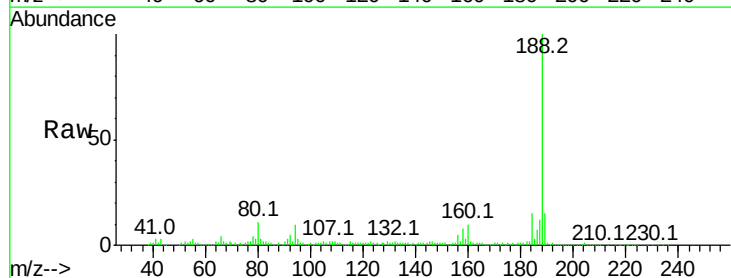
Tgt Ion:188 Resp: 253574

Ion Ratio Lower Upper

188 100

94 10.2 8.5 12.7

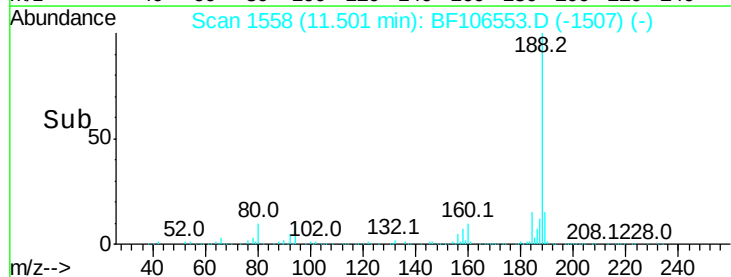
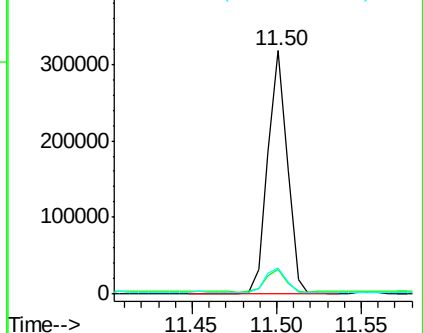
80 10.7 9.2 13.8

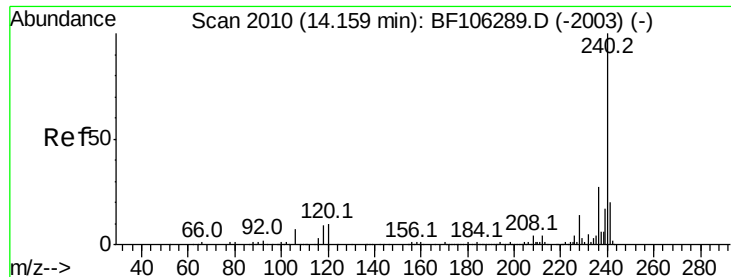


Abundance Ion 188.00 (187.70 to 188.70): E

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: BF106553.D

Acq: 18 Jun 2018 22:47

Instrument :

BNA\_F

ClientSampleId :

MW-15

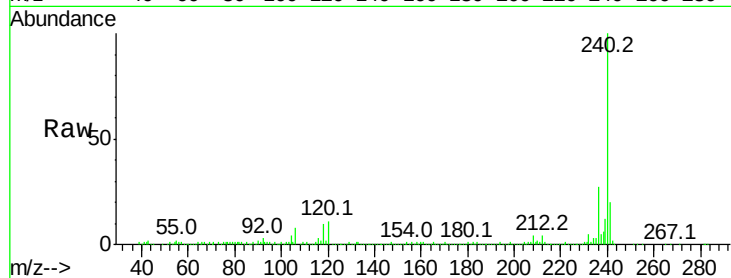
Tot Ion:240 Resp: 307778

Ion Ratio Lower Upper

240 100

120 11.1 9.5 14.3

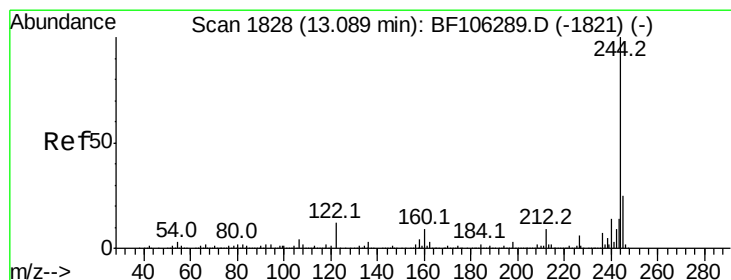
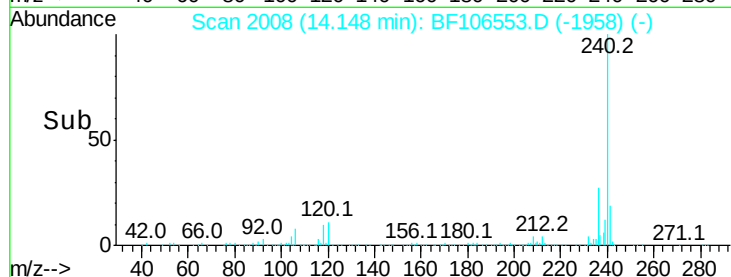
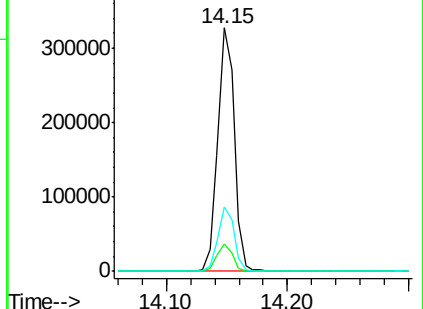
236 26.6 20.7 31.1



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: 73.122 ng

RT: 13.09 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BF106553.D

Acq: 18 Jun 2018 22:47

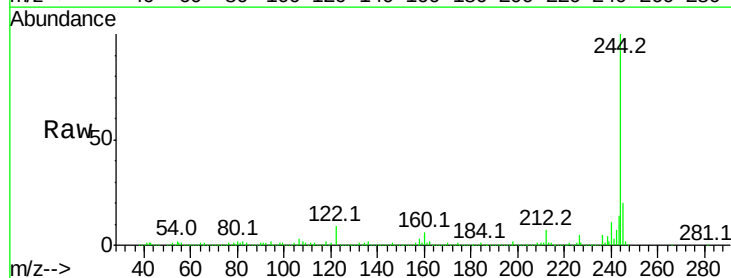
Tgt Ion:244 Resp: 906097

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

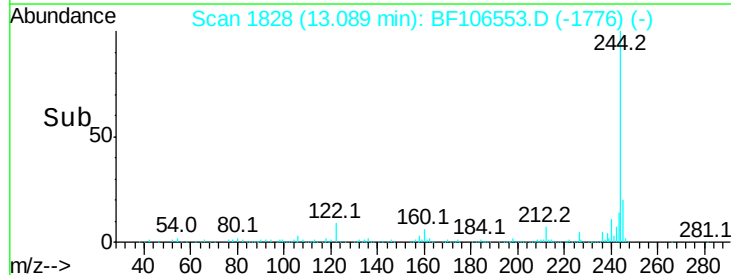
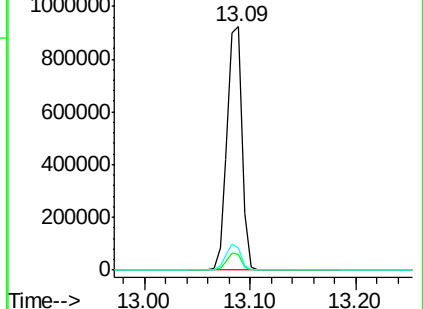
122 9.1 11.0 16.4#



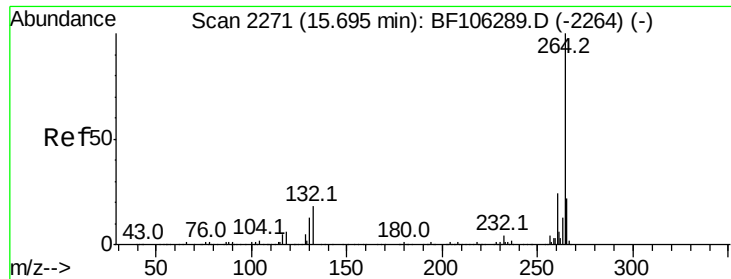
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.69 min Scan# 2270  
Delta R.T. 0.01 min  
Lab File: BF106553.D  
Acq: 18 Jun 2018 22:47

Instrument :  
BNA\_F  
ClientSampleId :  
MW-15

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.2  | 28.8  |
| 265     | 21.2  | 17.5  | 26.3  |

