

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061818\  
 Data File : BF106568.D  
 Acq On : 19 Jun 2018 5:30  
 Operator : JU/SJ  
 Sample : J3562-05  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 19 08:27:08 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

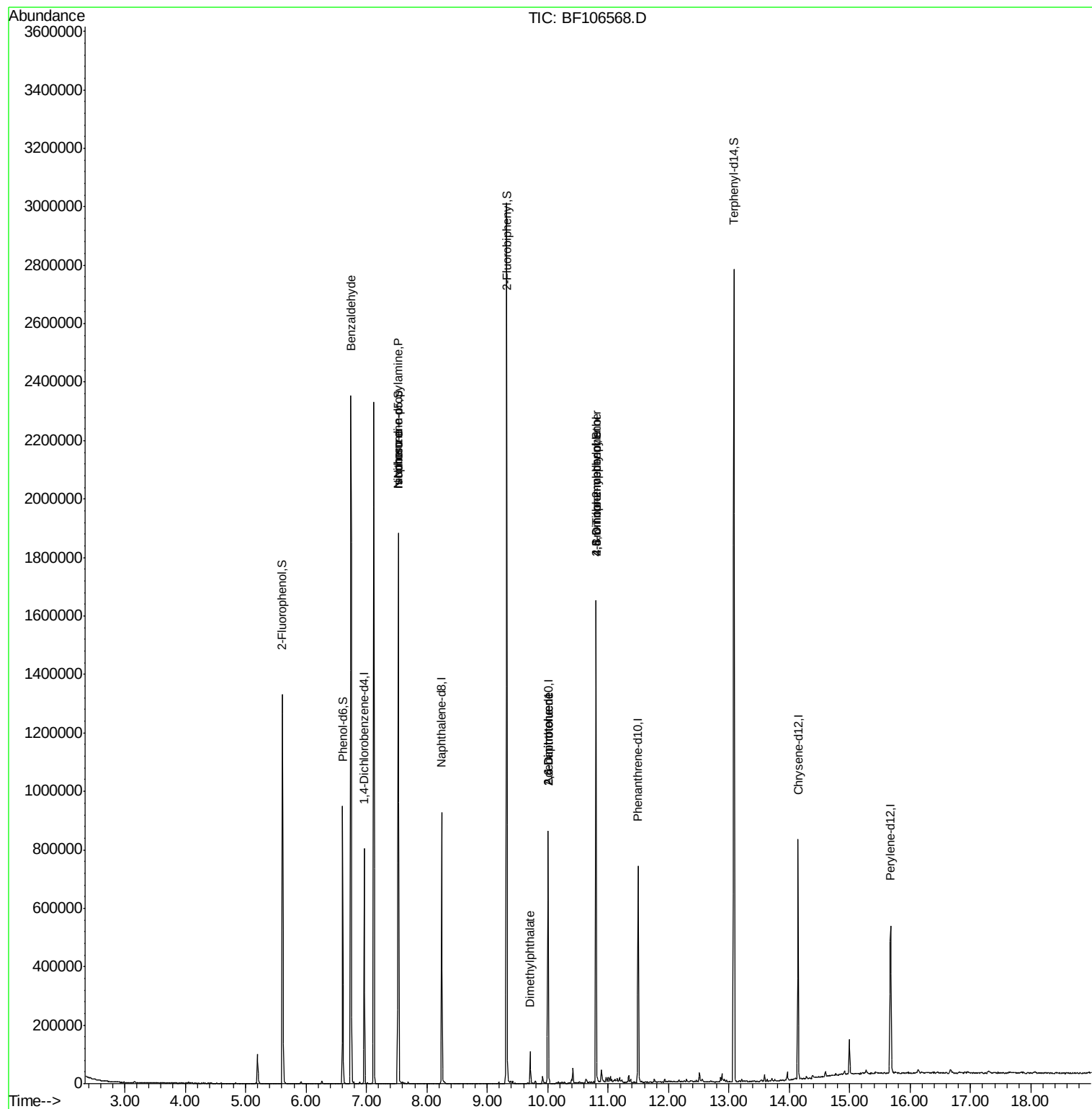
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.97  | 152  | 105943   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.25  | 136  | 390733   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.01 | 164  | 163495   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.50 | 188  | 268116   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.14 | 240  | 288910   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.68 | 264  | 254941   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 374286   | 59.79  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.61  | 99   | 285752   | 36.13  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.53  | 82   | 659191   | 99.25  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.80 | 330  | 214298   | 136.23 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.32  | 172  | 1029294  | 132.30 | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.08 | 244  | 995373   | 85.57  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.74  | 77   | 15091    | 2.516  | ng    | 85       |
| 19) n-Nitroso-di-n-propylamine | 7.53  | 70   | 87719    | 14.785 | ng    | # 74     |
| 25) Isophorone                 | 7.53  | 82   | 659181   | 50.811 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.71  | 163  | 42451    | 3.634  | ng    | 97       |
| 50) 2,6-Dinitrotoluene         | 10.01 | 165  | 21094    | 8.841  | ng    | # 25     |
| 56) 2,4-Dinitrotoluene         | 10.01 | 165  | 21094    | 7.040  | ng    | # 22     |
| 64) 4,6-Dinitro-2-methylphenol | 10.80 | 198  | 311      | 6.482  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 13809    | 4.528  | ng    | # 1      |

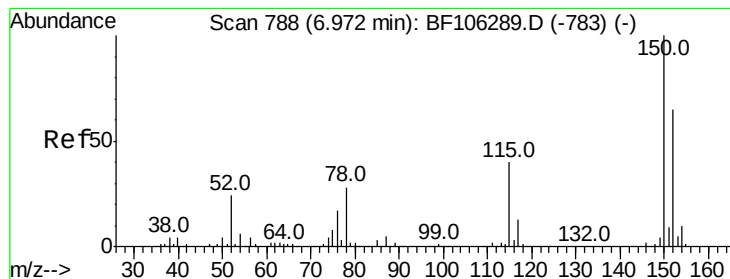
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 15 11:11:47 2018  
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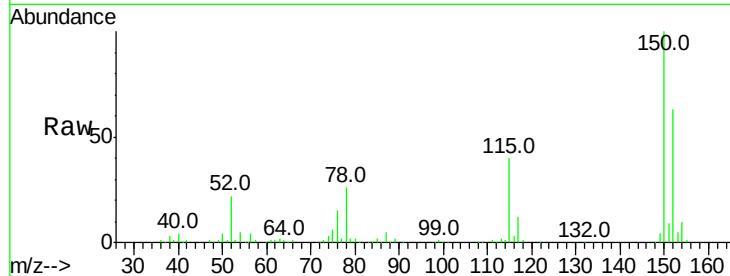


#1

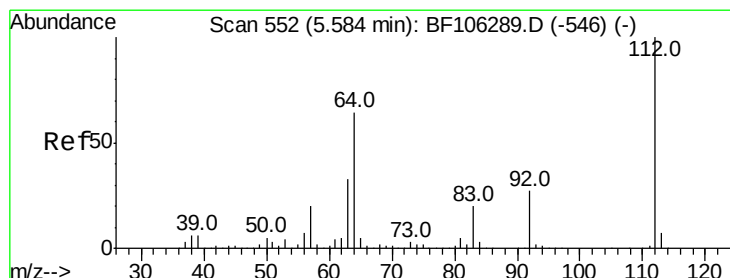
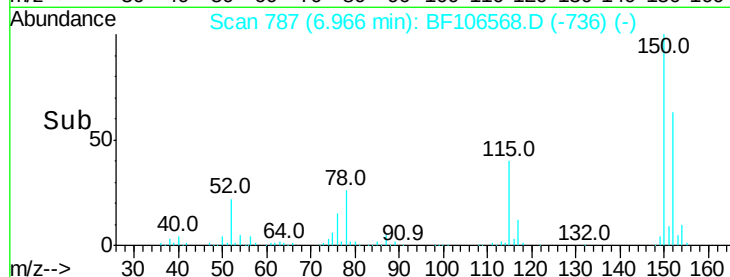
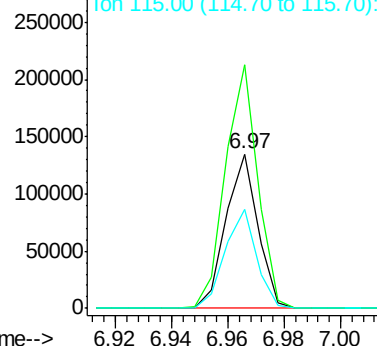
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: BF106568.D  
Acq: 19 Jun 2018 5:30

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 105943  
Ion Ratio Lower Upper  
152 100  
150 157.7 124.6 186.8  
115 63.8 50.1 75.1



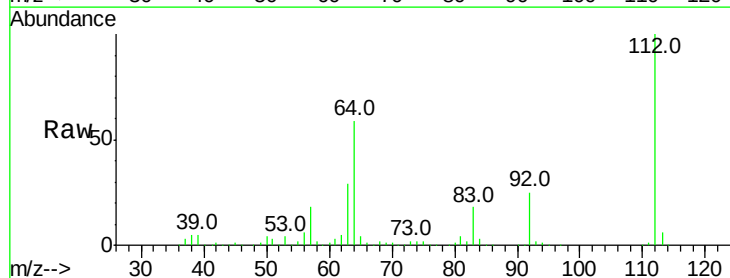
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



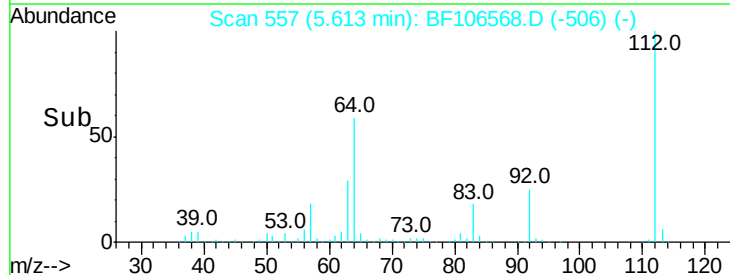
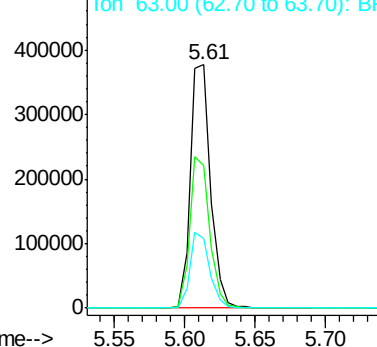
#5

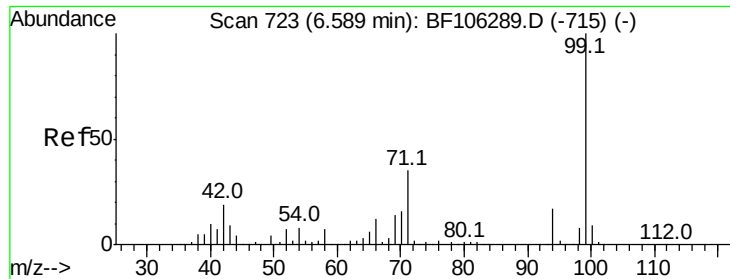
2-Fluorophenol  
Concen: 59.794 ng  
RT: 5.61 min Scan# 557  
Delta R.T. 0.00 min  
Lab File: BF106568.D  
Acq: 19 Jun 2018 5:30

Tgt Ion:112 Resp: 374286  
Ion Ratio Lower Upper  
112 100  
64 58.6 47.9 71.9  
63 28.5 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: 36.133 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106568.D

Acq: 19 Jun 2018 5:30

Instrument :

BNA\_F

ClientSampleId :

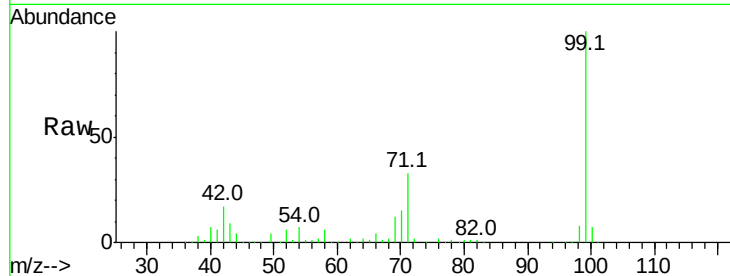
Tot Ion: 99 Resp: 285752

Ion Ratio Lower Upper

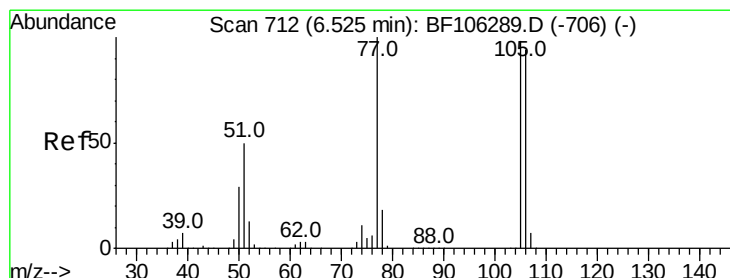
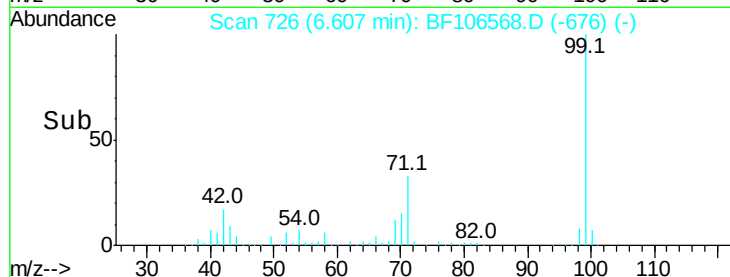
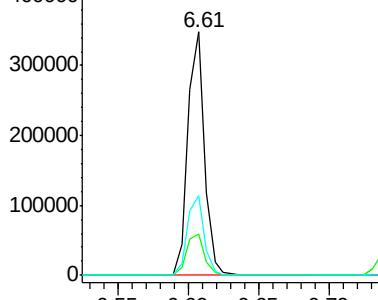
99 100

42 17.2 14.5 21.7

71 32.8 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



#9

Benzaldehyde

Concen: 2.516 ng

RT: 6.74 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF106568.D

Acq: 19 Jun 2018 5:30

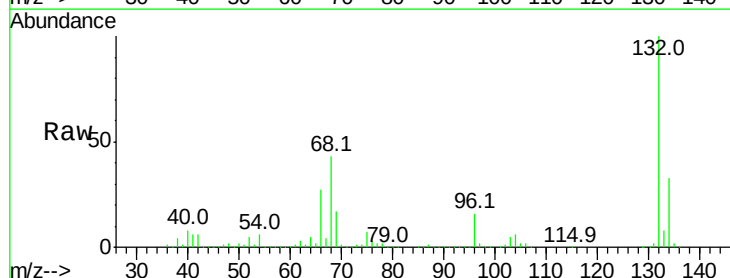
Tgt Ion: 77 Resp: 15091

Ion Ratio Lower Upper

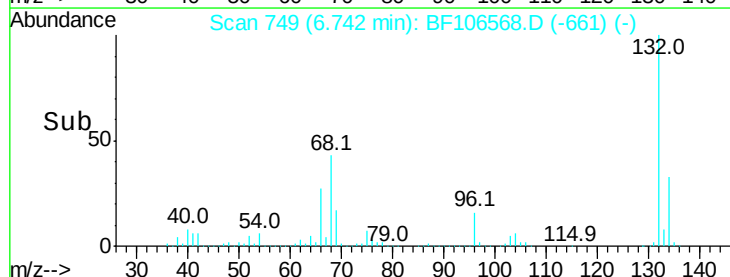
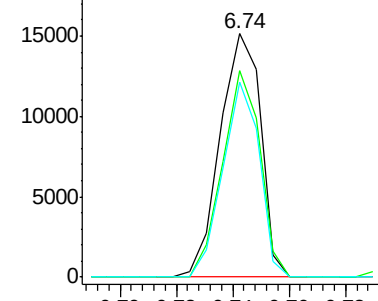
77 100

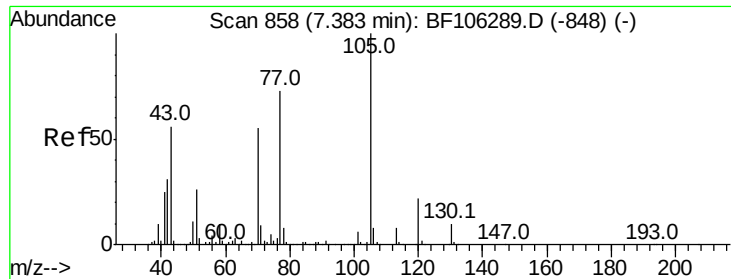
105 84.8 81.1 121.1

106 80.2 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 106.00 (105.70 to 106.70): BF1

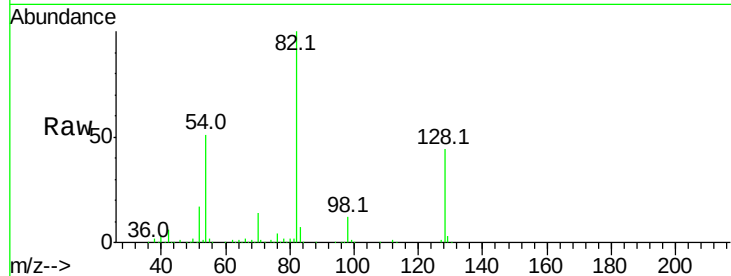




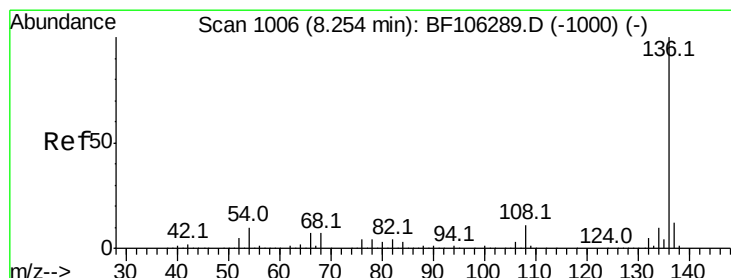
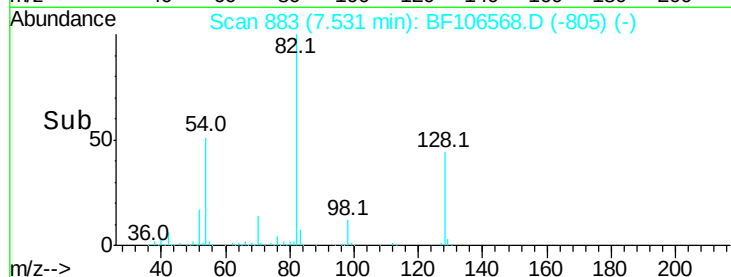
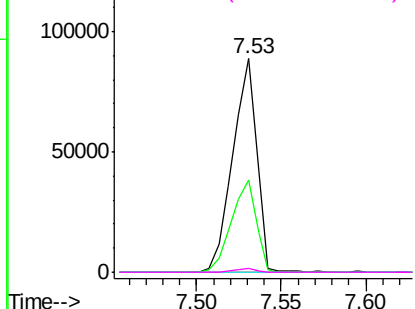
#19  
n-Nitroso-di-n-propylamine  
Concen: 14.785 ng  
RT: 7.53 min Scan# 883  
Delta R.T. 0.16 min  
Lab File: BF106568.D  
Acq: 19 Jun 2018 5:30

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 70 Resp: 87719  
Ion Ratio Lower Upper  
70 100  
42 43.1 47.5 71.3#  
101 0.0 7.4 11.2#  
130 1.9 16.6 25.0#



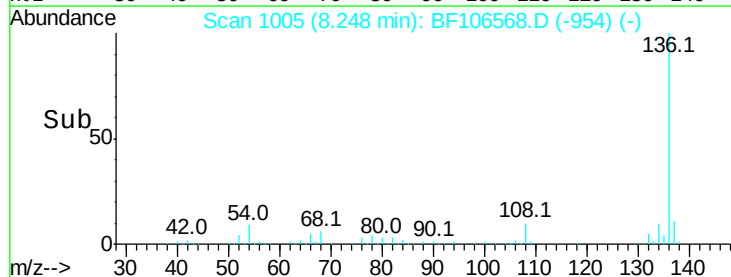
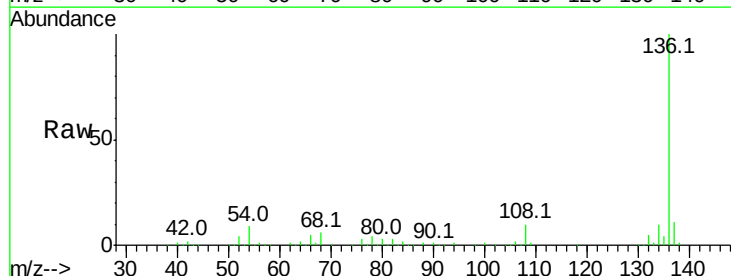
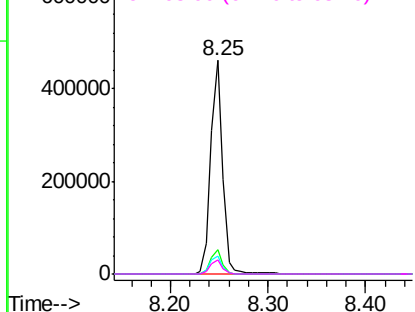
Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E

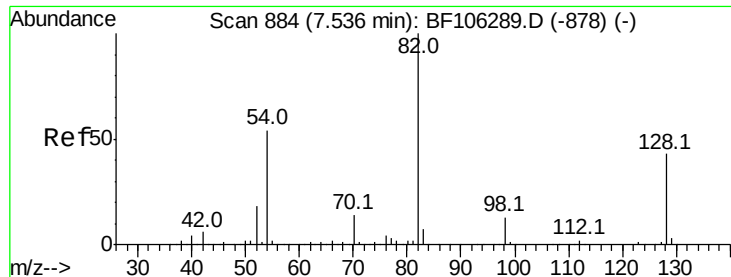


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.25 min Scan# 1005  
Delta R.T. 0.00 min  
Lab File: BF106568.D  
Acq: 19 Jun 2018 5:30

Tgt Ion:136 Resp: 390733  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.9 13.3  
54 8.5 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: 99.247 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.00 min

Lab File: BF106568.D

Acq: 19 Jun 2018 5:30

Instrument :

BNA\_F

ClientSampled :

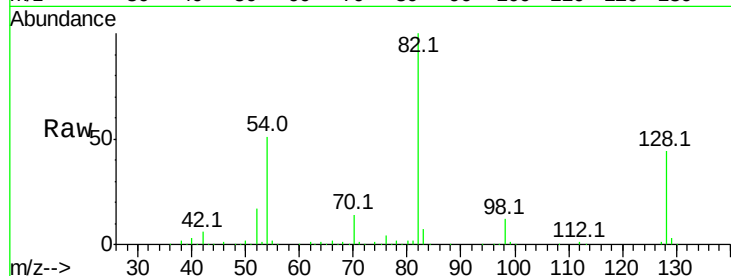
Tot Ion: 82 Resp: 659191

Ion Ratio Lower Upper

82 100

128 43.8 36.1 54.1

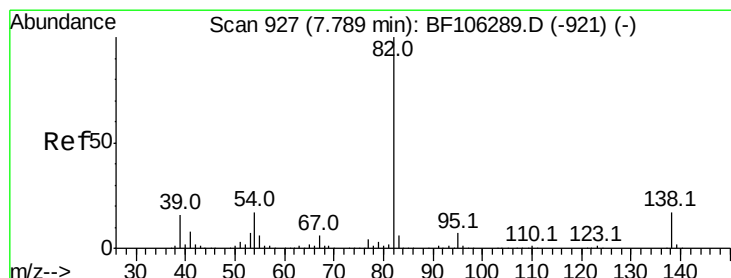
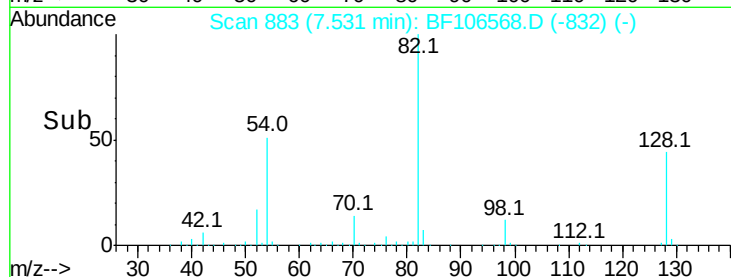
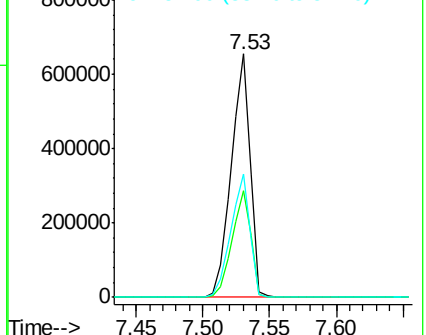
54 50.6 41.4 62.2



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



#25

Isophorone

Concen: 50.811 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.25 min

Lab File: BF106568.D

Acq: 19 Jun 2018 5:30

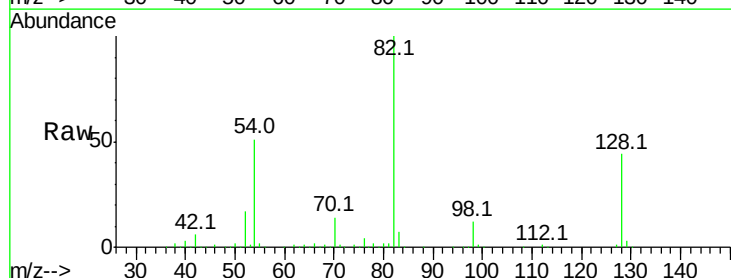
Tgt Ion: 82 Resp: 659181

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

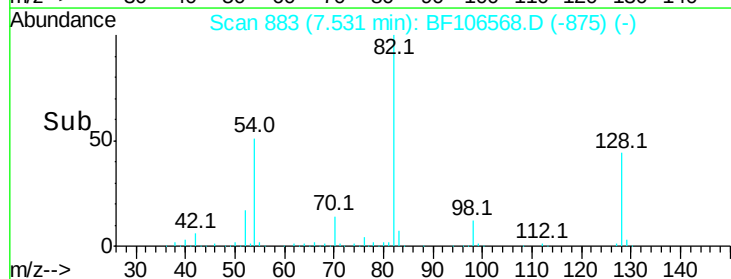
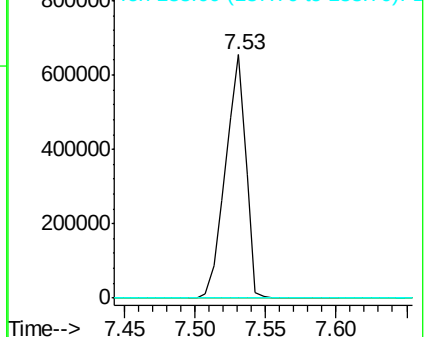
138 0.0 14.9 22.3#

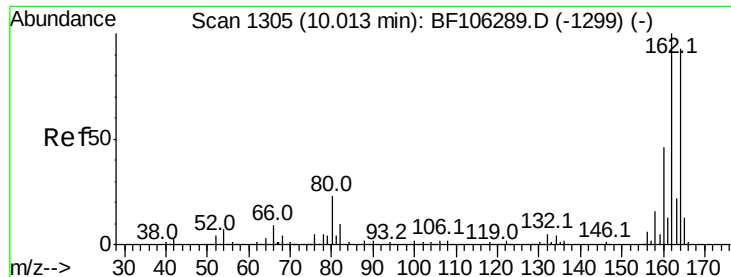


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

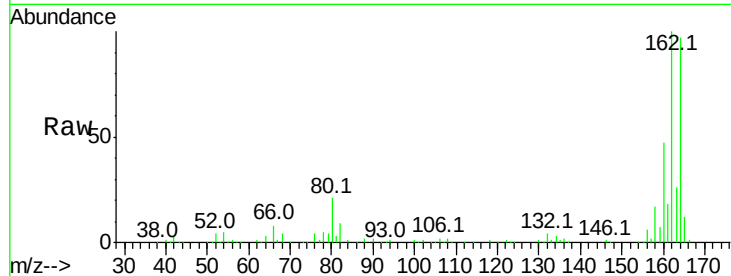




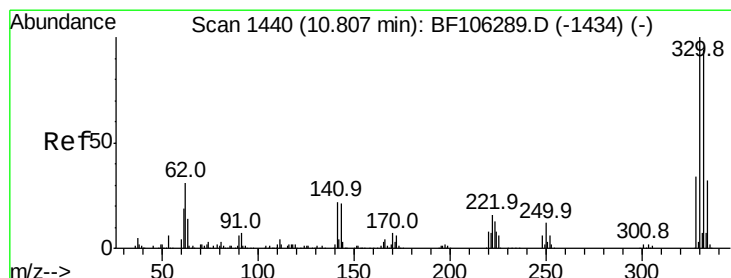
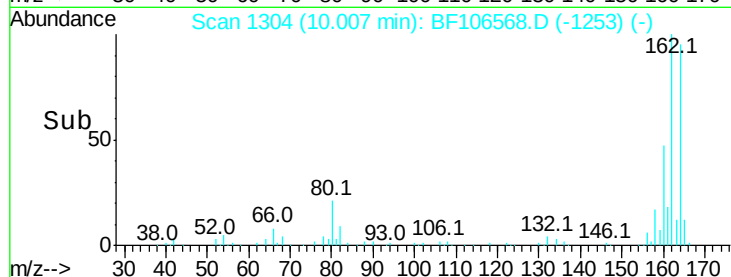
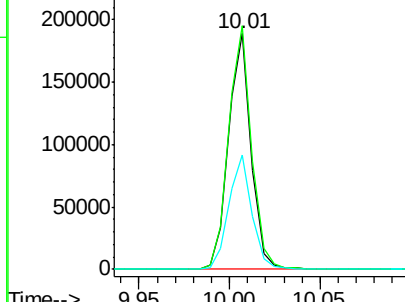
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.01 min Scan# 1304  
Delta R.T. 0.00 min  
Lab File: BF106568.D  
Acq: 19 Jun 2018 5:30

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 163495  
Ion Ratio Lower Upper  
164 100  
162 103.3 86.1 129.1  
160 48.8 38.3 57.5

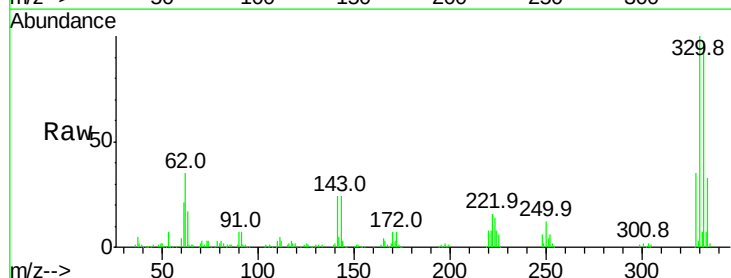


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

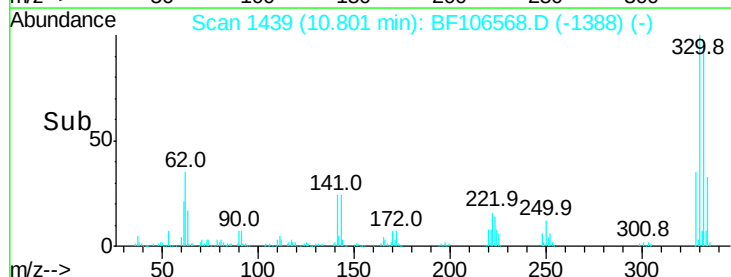
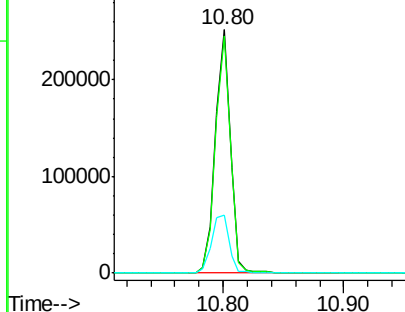


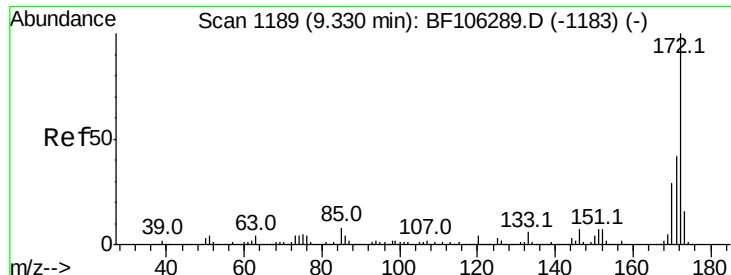
#41  
2,4,6-Tribromophenol  
Concen: 136.226 ng  
RT: 10.80 min Scan# 1439  
Delta R.T. 0.00 min  
Lab File: BF106568.D  
Acq: 19 Jun 2018 5:30

Tgt Ion:330 Resp: 214298  
Ion Ratio Lower Upper  
330 100  
332 97.4 77.0 115.6  
141 28.1 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

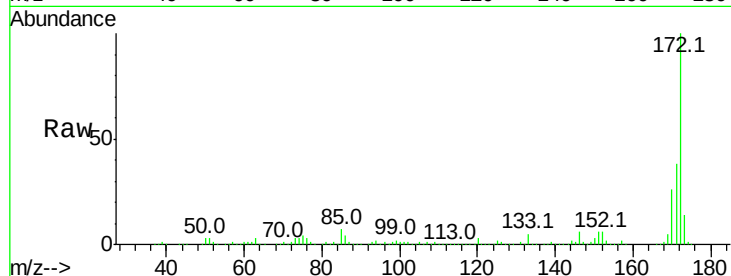




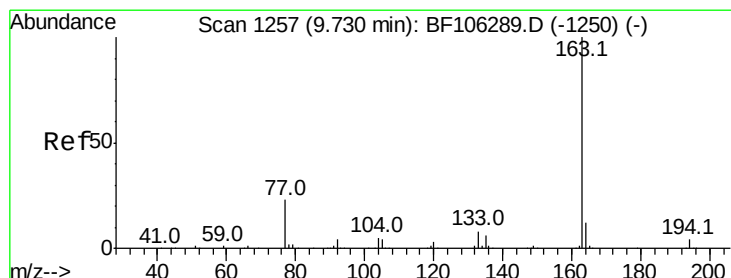
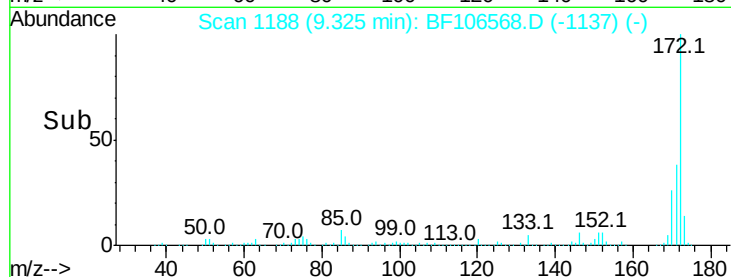
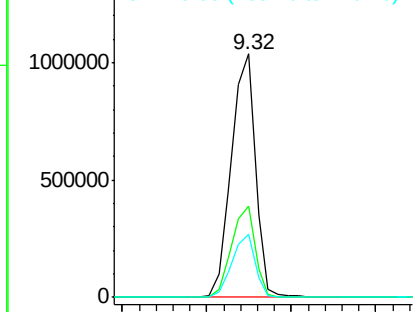
#44  
2-Fluorobiphenyl  
Concen: 132.305 ng  
RT: 9.32 min Scan# 1188  
Delta R.T. 0.00 min  
Lab File: BF106568.D  
Acq: 19 Jun 2018 5:30

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1029294  
Ion Ratio Lower Upper  
172 100  
171 37.6 29.7 44.5  
170 25.7 19.6 29.4

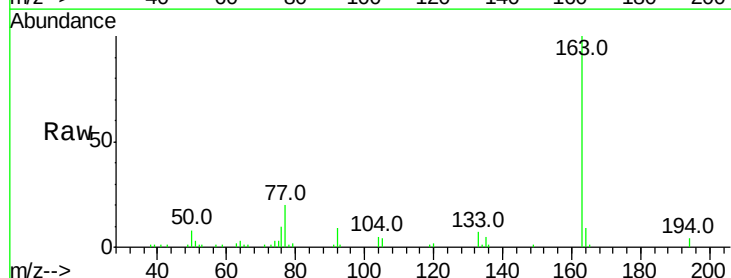


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

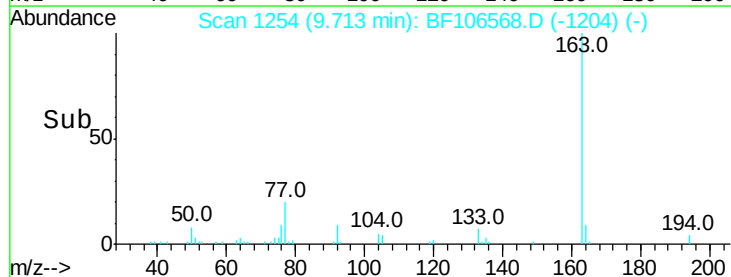
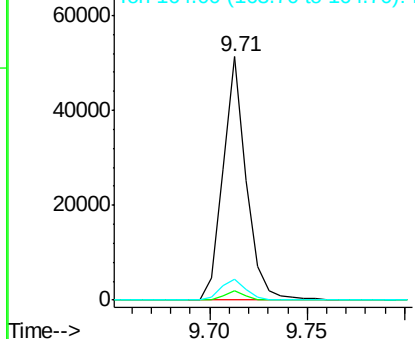


#49  
Dimethylphthalate  
Concen: 3.634 ng  
RT: 9.71 min Scan# 1254  
Delta R.T. -0.01 min  
Lab File: BF106568.D  
Acq: 19 Jun 2018 5:30

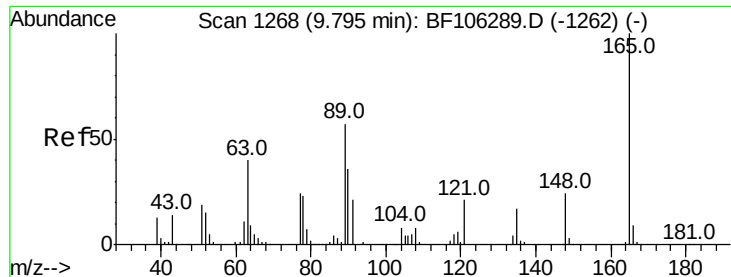
Tgt Ion:163 Resp: 42451  
Ion Ratio Lower Upper  
163 100  
194 3.6 2.7 4.1  
164 8.8 8.2 12.2



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



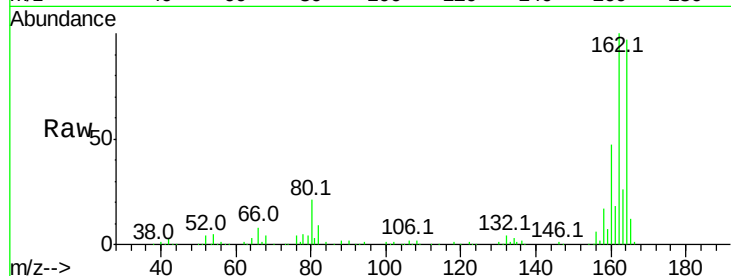




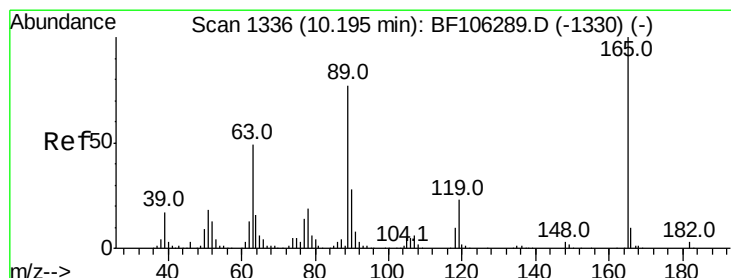
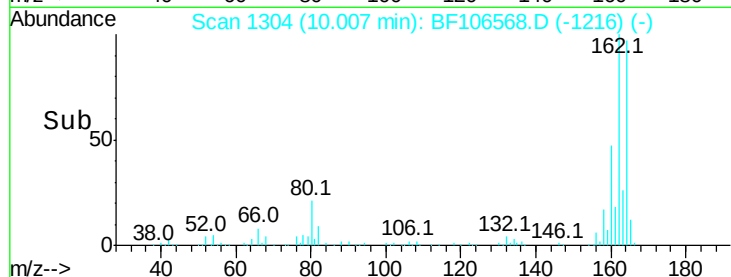
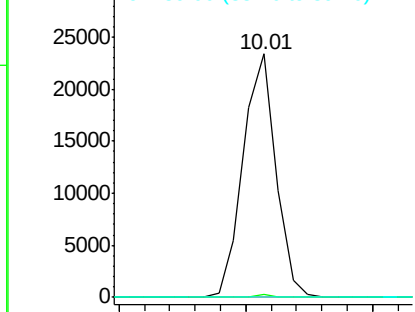
#50  
2,6-Dinitrotoluene  
Concen: 8.841 ng  
RT: 10.01 min Scan# 1304  
Delta R.T. 0.22 min  
Lab File: BF106568.D  
Acq: 19 Jun 2018 5:30

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 44.7  | 67.1# |
| 89      | 0.0   | 44.0  | 66.0# |

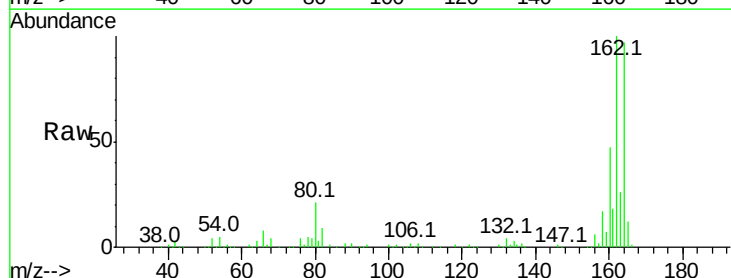


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

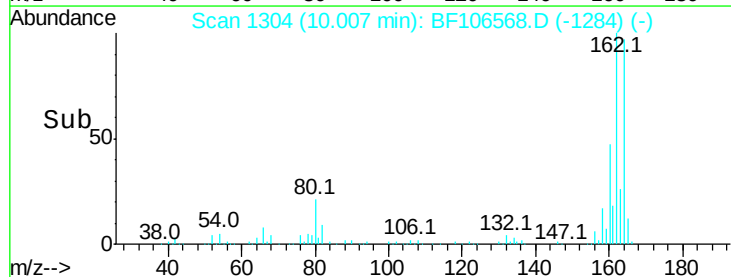
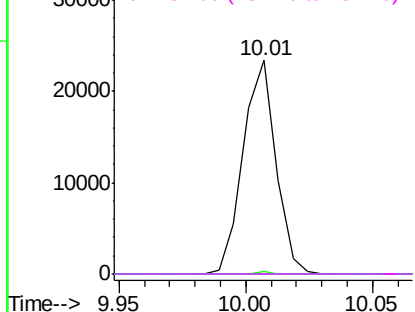


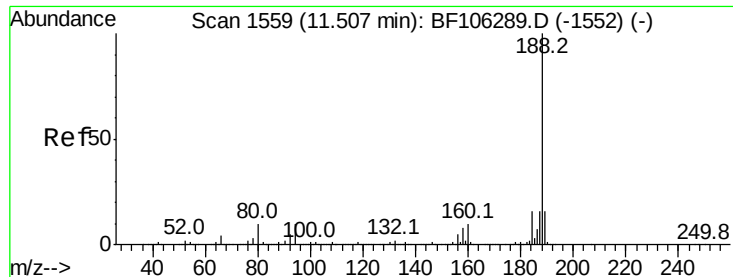
#56  
2,4-Dinitrotoluene  
Concen: 7.040 ng  
RT: 10.01 min Scan# 1304  
Delta R.T. -0.18 min  
Lab File: BF106568.D  
Acq: 19 Jun 2018 5:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 36.4  | 54.6# |
| 89      | 0.0   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF106568.D

Acq: 19 Jun 2018 5:30

Instrument :

BNA\_F

ClientSampleId :

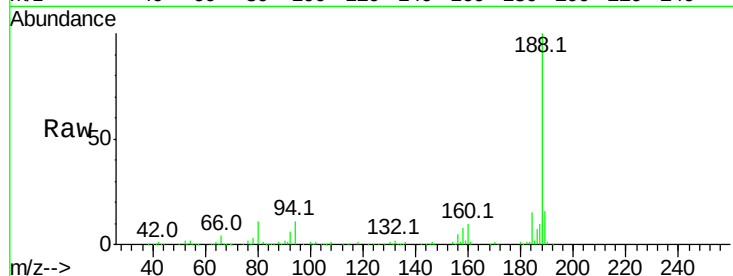
Tot Ion:188 Resp: 268116

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

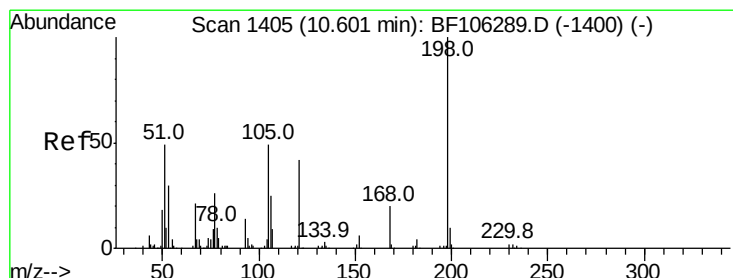
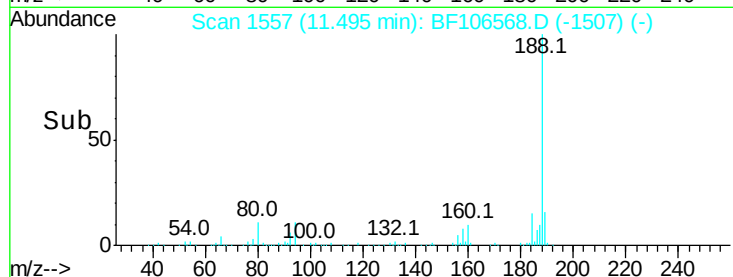
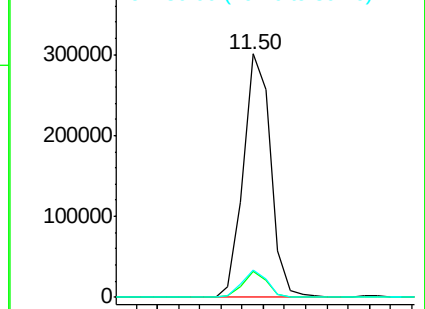
80 11.4 9.2 13.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 6.482 ng

RT: 10.80 min Scan# 1438

Delta R.T. 0.19 min

Lab File: BF106568.D

Acq: 19 Jun 2018 5:30

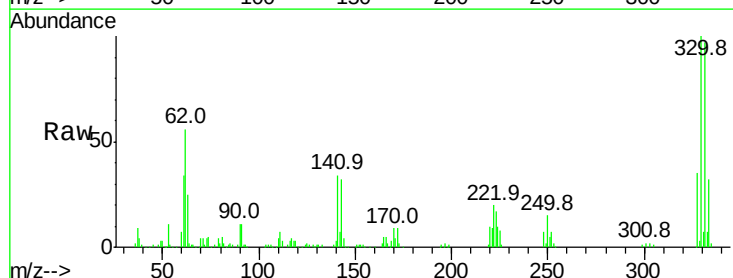
Tgt Ion:198 Resp: 311

Ion Ratio Lower Upper

198 100

51 170.4 37.7 77.7#

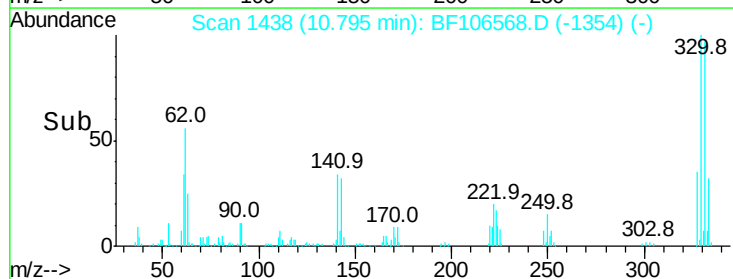
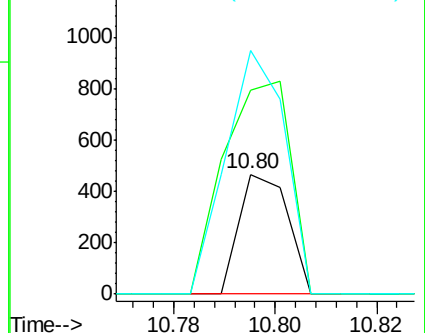
105 202.8 36.3 76.3#

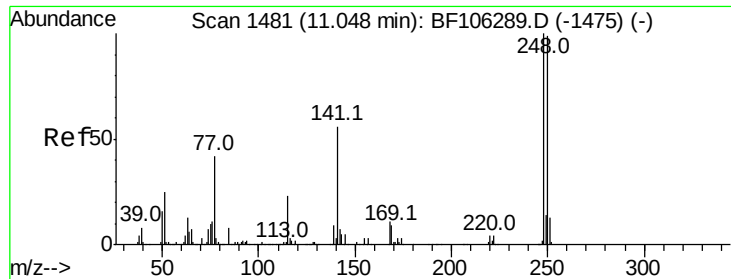


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

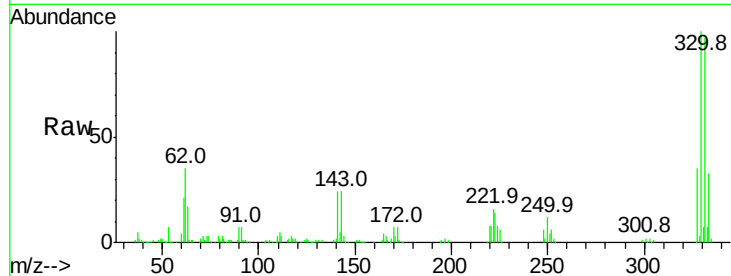




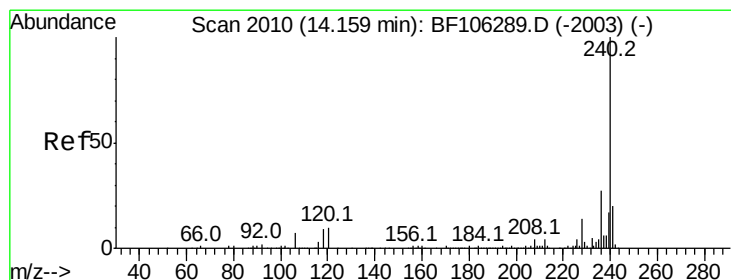
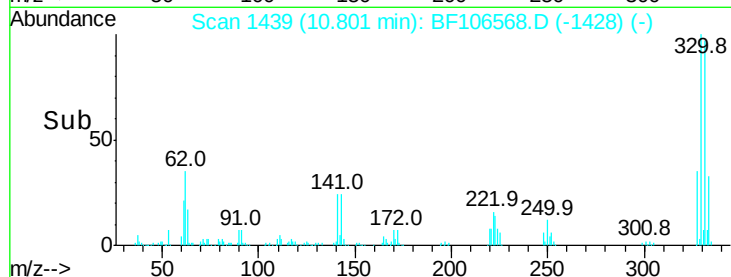
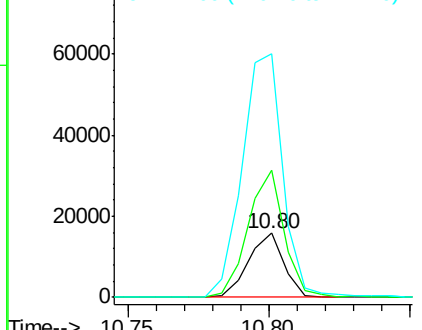
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.528 ng  
 RT: 10.80 min Scan# 1439  
 Delta R.T. -0.24 min  
 Lab File: BF106568.D  
 Acq: 19 Jun 2018 5:30

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 198.8 | 76.9  | 115.3# |
| 141     | 381.5 | 74.4  | 111.6# |

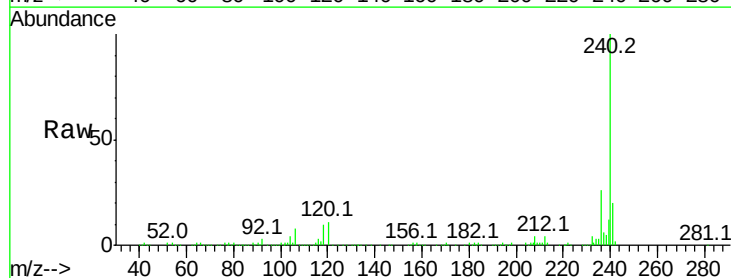


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

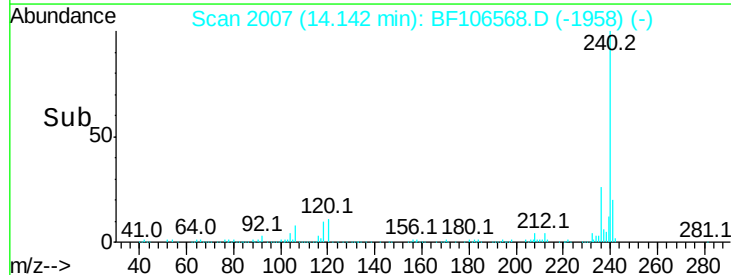
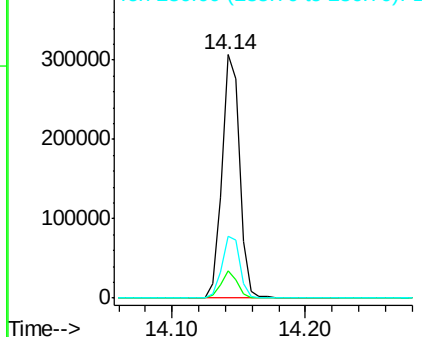


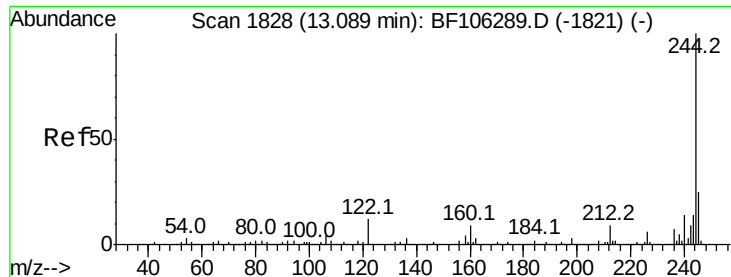
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.14 min Scan# 2007  
 Delta R.T. -0.01 min  
 Lab File: BF106568.D  
 Acq: 19 Jun 2018 5:30

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.4  | 9.5   | 14.3  |
| 236     | 25.6  | 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

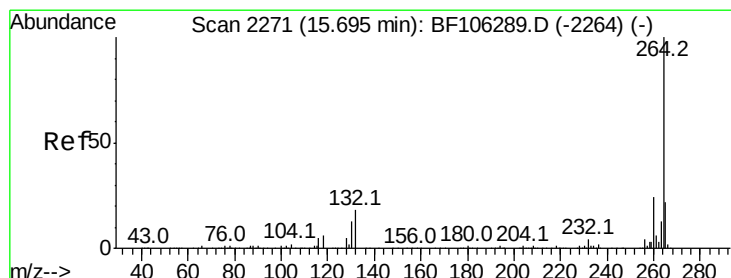
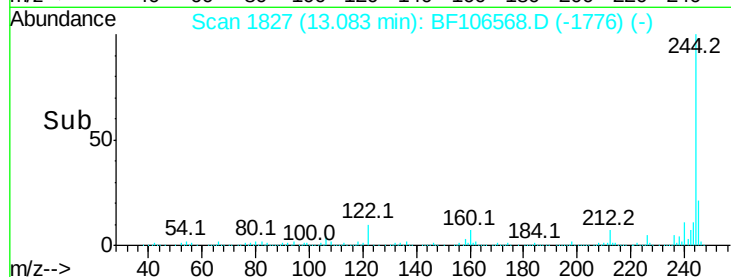
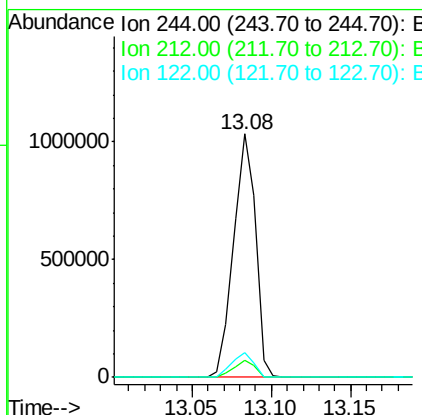
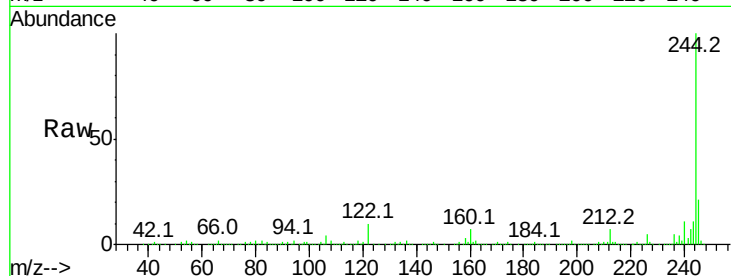




#78  
 Terphenyl-d14  
 Concen: 85.573 ng  
 RT: 13.08 min Scan# 1827  
 Delta R.T. 0.00 min  
 Lab File: BF106568.D  
 Acq: 19 Jun 2018 5:30

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 995373  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.4 8.0  
 122 10.2 11.0 16.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.68 min Scan# 2268  
 Delta R.T. -0.01 min  
 Lab File: BF106568.D  
 Acq: 19 Jun 2018 5:30

Tgt Ion:264 Resp: 254941  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 19.2 28.8  
 265 21.9 17.5 26.3

