

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\  
 Data File : BF107156.D  
 Acq On : 6 Jul 2018 6:52  
 Operator : JU/SJ  
 Sample : J3851-03  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 06 08:14:25 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 29 14:38:29 2018  
 Response via : Initial Calibration

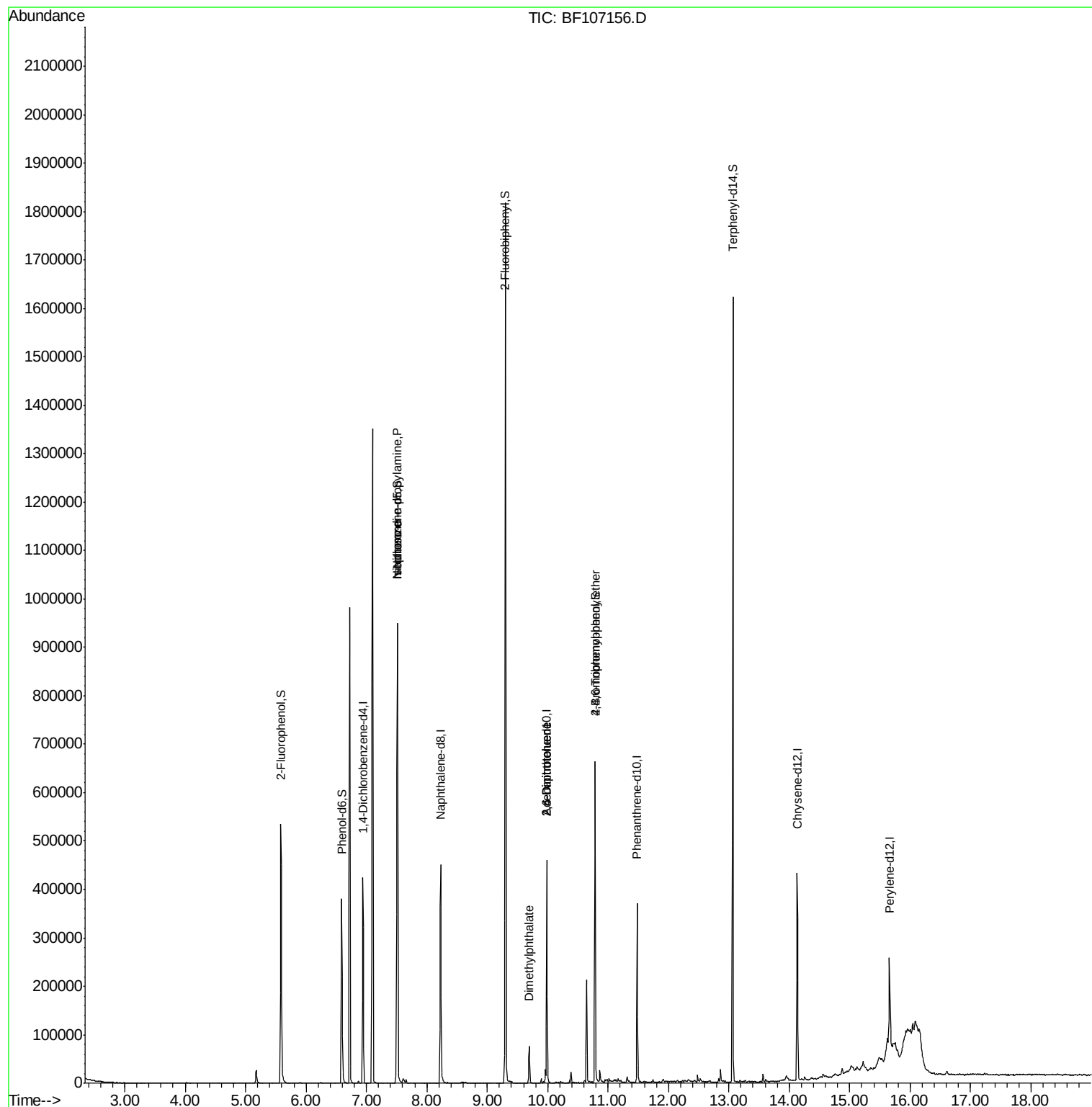
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.94  | 152  | 62150    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 8.23  | 136  | 224818   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 9.99  | 164  | 99710    | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 11.48 | 188  | 155033   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 14.13 | 240  | 161060   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12               | 15.66 | 264  | 110598   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.58  | 112  | 163717   | 44.61  | ng    | -0.02    |
| 7) Phenol-d6                   | 6.59  | 99   | 142974   | 31.19  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.51  | 82   | 373954   | 92.44  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.78 | 330  | 97429    | 84.31  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 9.30  | 172  | 646341   | 114.91 | ng    | -0.02    |
| 78) Terphenyl-d14              | 13.07 | 244  | 599415   | 90.15  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.51  | 70   | 48378    | 16.012 | ng    | # 74     |
| 25) Isophorone                 | 7.51  | 82   | 373948   | 52.457 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.70  | 163  | 38633    | 5.166  | ng    | # 98     |
| 50) 2,6-Dinitrotoluene         | 9.99  | 165  | 12736    | 8.043  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene         | 9.99  | 165  | 12736    | 6.162  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.78 | 248  | 5692     | 3.076  | ng    | # 1      |

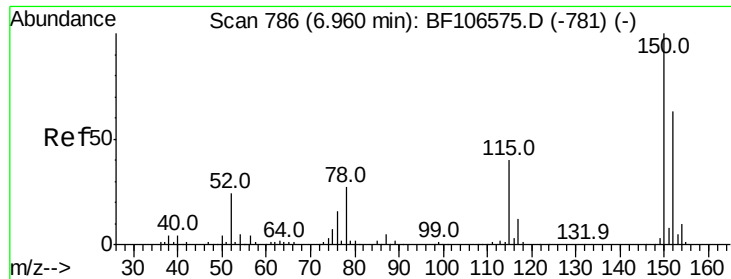
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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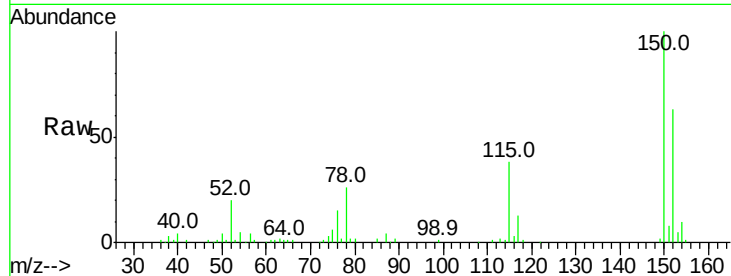


#1

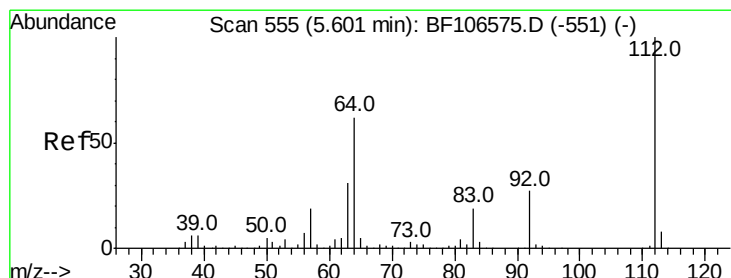
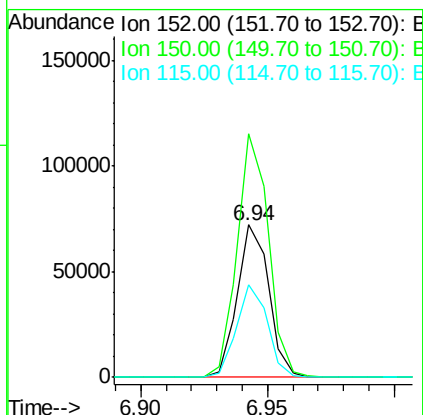
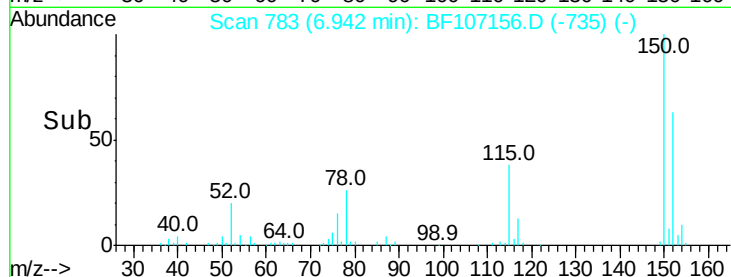
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.94 min Scan# 783  
Delta R.T. -0.02 min  
Lab File: BF107156.D  
Acq: 6 Jul 2018 6:52

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.0 | 124.6 | 186.8 |
| 115     | 61.0  | 50.1  | 75.1  |



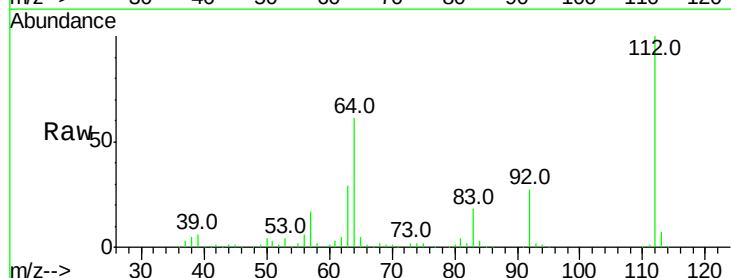
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



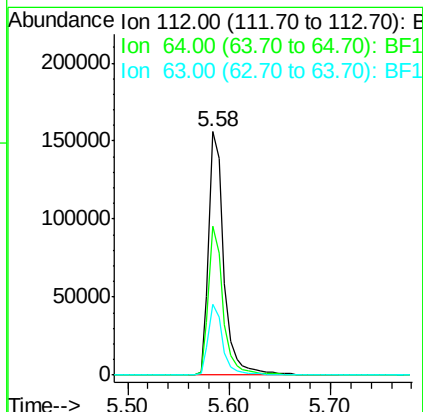
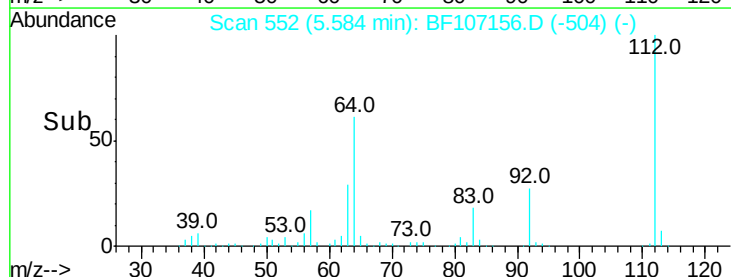
#5

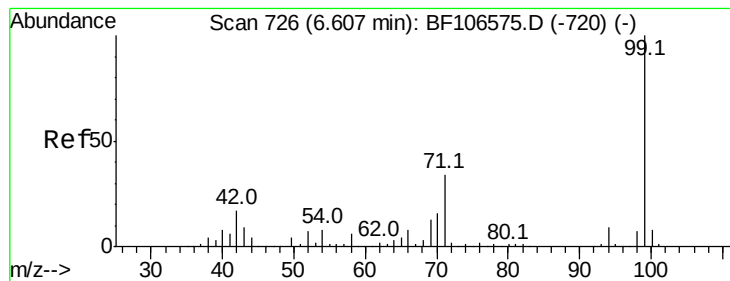
2-Fluorophenol  
Concen: 44.606 ng  
RT: 5.58 min Scan# 552  
Delta R.T. -0.02 min  
Lab File: BF107156.D  
Acq: 6 Jul 2018 6:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.3  | 47.9  | 71.9  |
| 63      | 29.2  | 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: 31.193 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107156.D

Acq: 6 Jul 2018 6:52

Instrument :

BNA\_F

ClientSampleId :

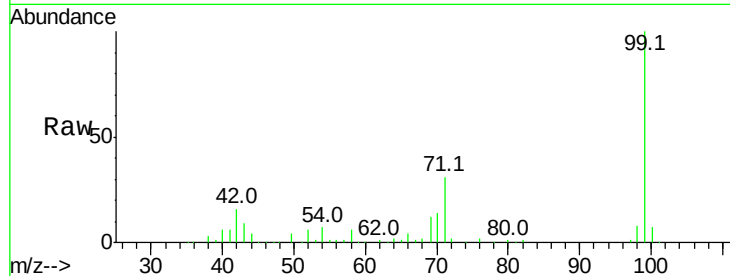
Tot Ion: 99 Resp: 142974

Ion Ratio Lower Upper

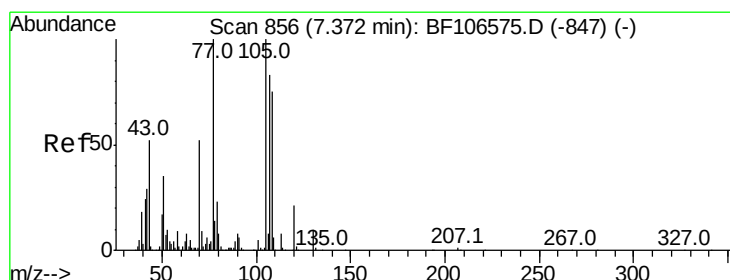
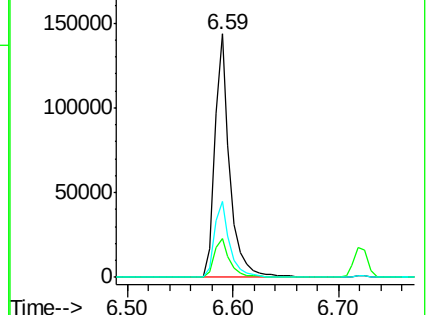
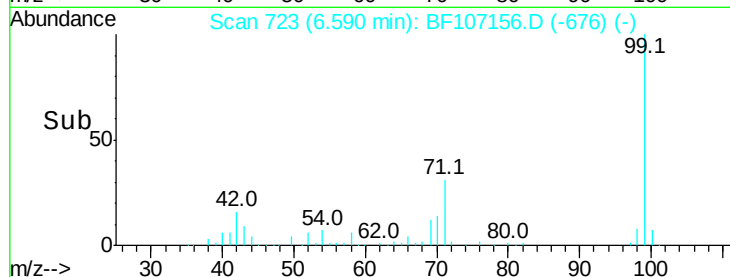
99 100

42 15.8 14.5 21.7

71 31.4 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.012 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107156.D

Acq: 6 Jul 2018 6:52

Tgt Ion: 70 Resp: 48378

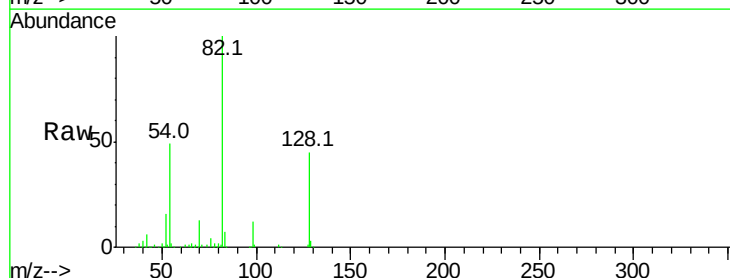
Ion Ratio Lower Upper

70 100

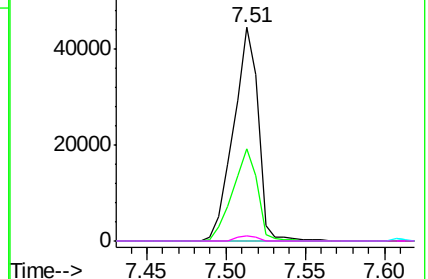
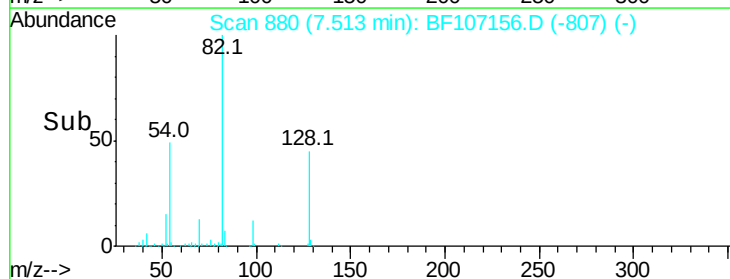
42 43.2 47.5 71.3#

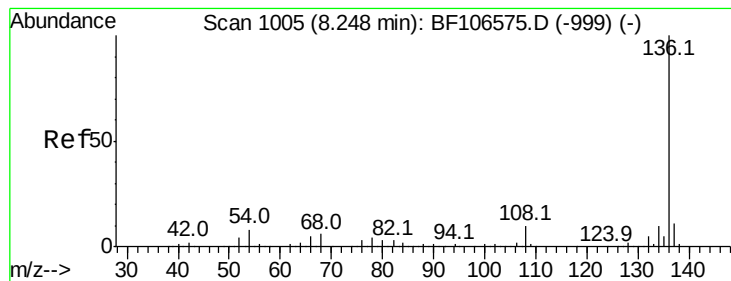
101 0.0 7.4 11.2#

130 2.3 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): BF1  
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF107156.D

Acq: 6 Jul 2018 6:52

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 224818

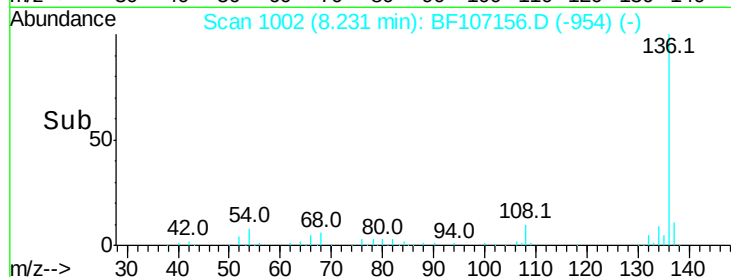
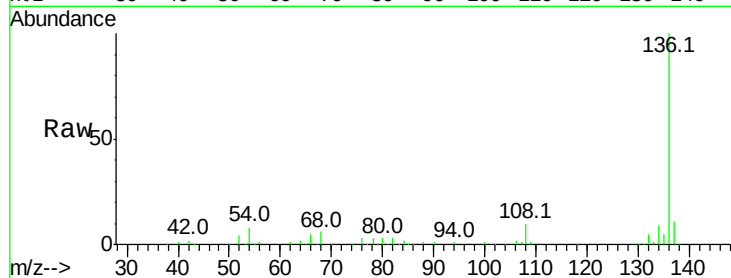
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 7.5 6.6 9.8

68 6.0 5.0 7.4

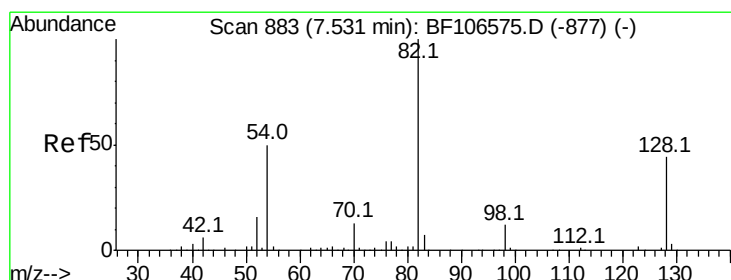
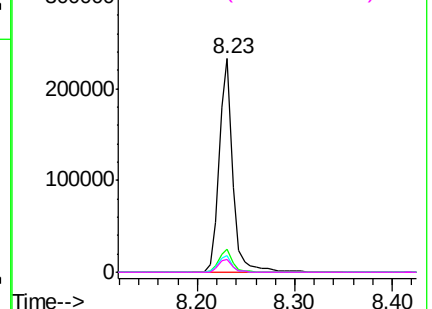


Abundance Ion 136.00 (135.70 to 136.70): E

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: 92.439 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF107156.D

Acq: 6 Jul 2018 6:52

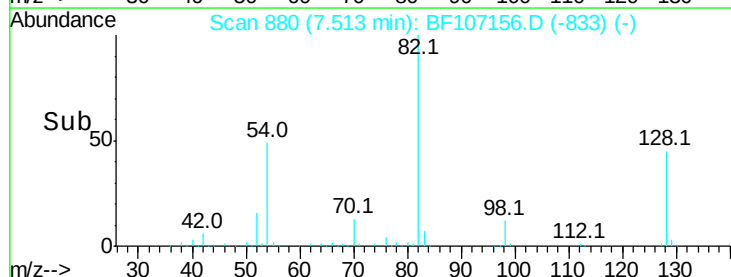
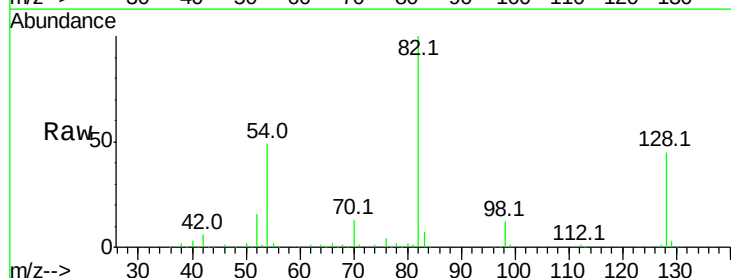
Tgt Ion: 82 Resp: 373954

Ion Ratio Lower Upper

82 100

128 45.2 36.1 54.1

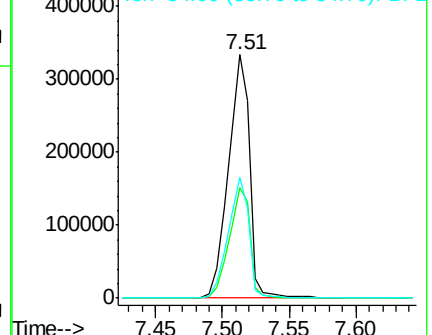
54 49.5 41.4 62.2

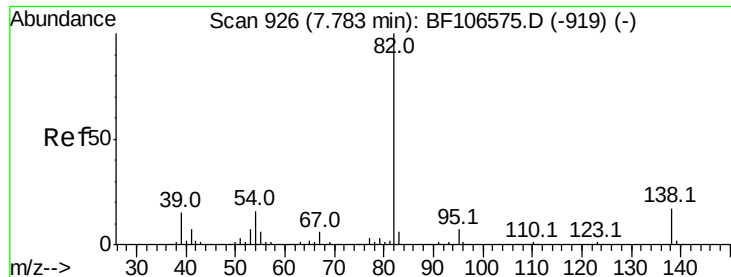


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

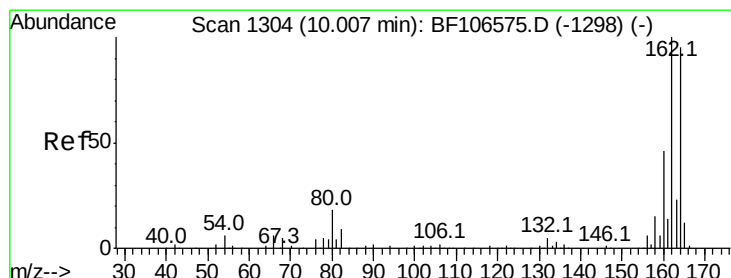
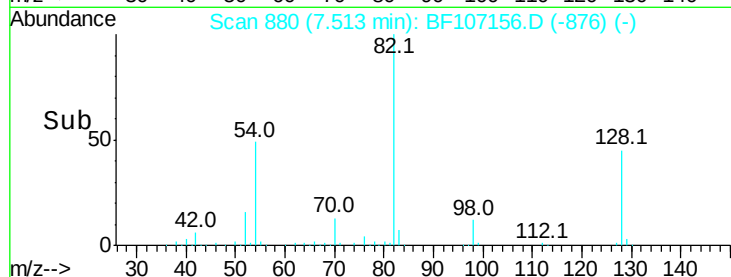
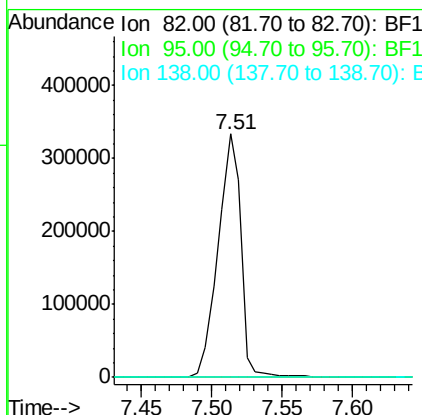
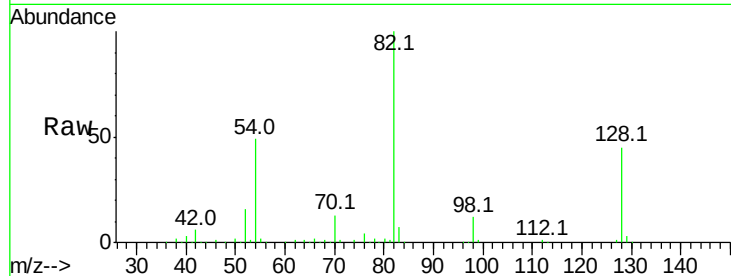




#25  
Isophorone  
Concen: 52.457 ng  
RT: 7.51 min Scan# 880  
Delta R.T. -0.28 min  
Lab File: BF107156.D  
Acq: 6 Jul 2018 6:52

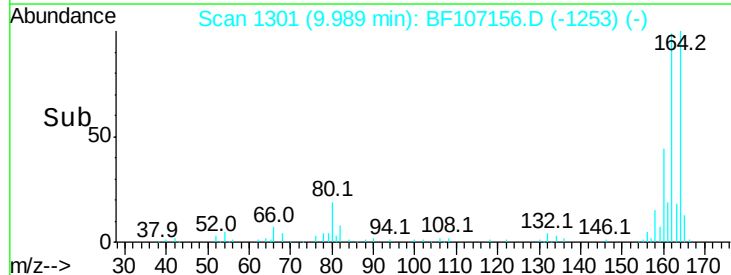
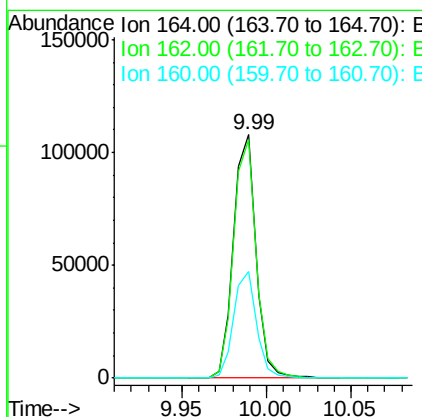
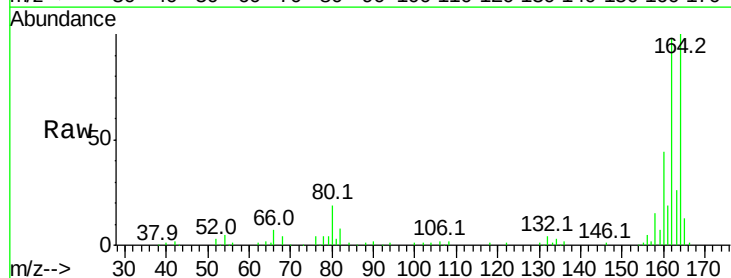
Instrument :  
BNA\_F  
ClientSampled :

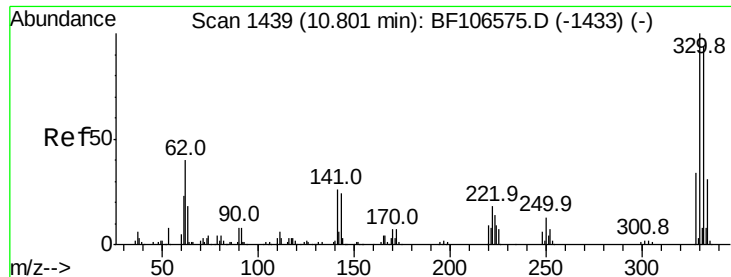
Tot Ion: 82 Resp: 373948  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.2 7.8#  
138 0.0 14.9 22.3#



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.99 min Scan# 1301  
Delta R.T. -0.02 min  
Lab File: BF107156.D  
Acq: 6 Jul 2018 6:52

Tgt Ion:164 Resp: 99710  
Ion Ratio Lower Upper  
164 100  
162 97.8 86.1 129.1  
160 43.6 38.3 57.5

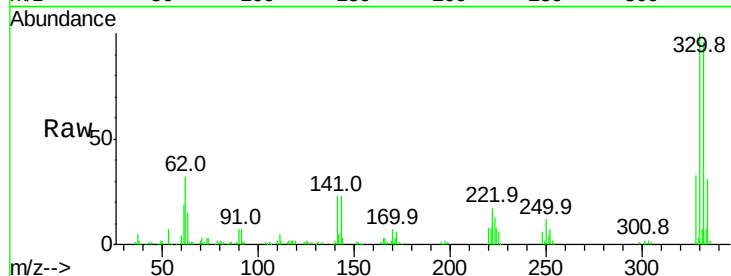




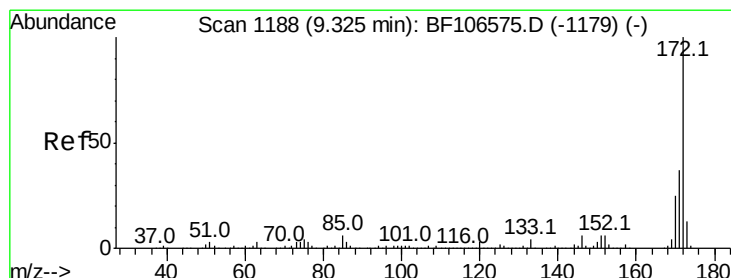
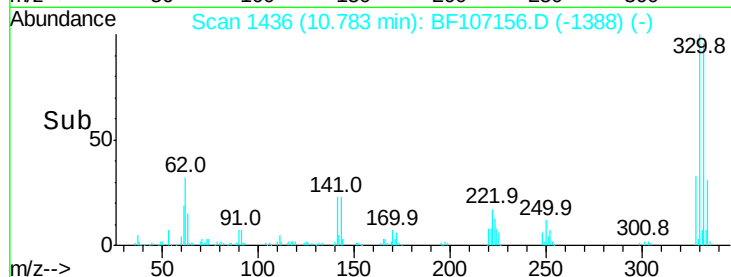
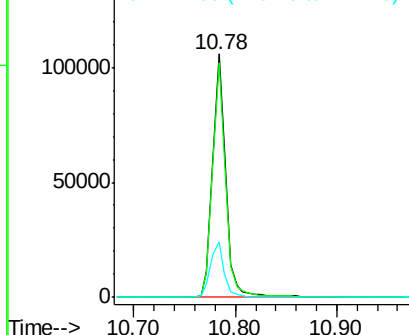
#41  
 2,4,6-Tribromophenol  
 Concen: 84.306 ng  
 RT: 10.78 min Scan# 1436  
 Delta R.T. -0.02 min  
 Lab File: BF107156.D  
 Acq: 6 Jul 2018 6:52

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.0  | 77.0  | 115.6 |
| 141     | 23.2  | 29.9  | 44.9# |

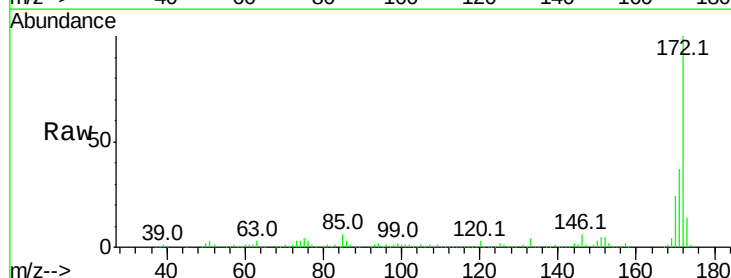


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

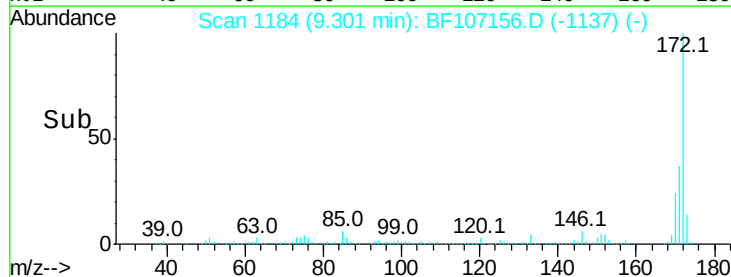
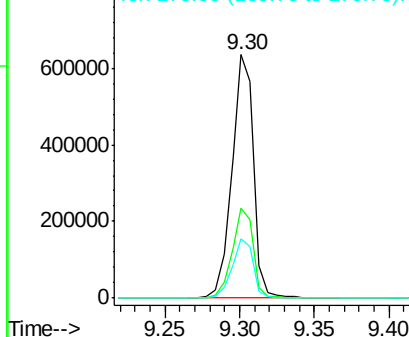


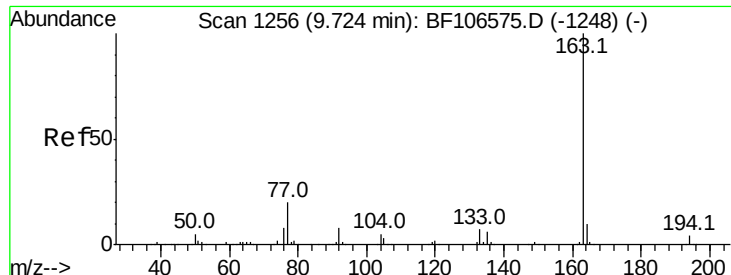
#44  
 2-Fluorobiphenyl  
 Concen: 114.910 ng  
 RT: 9.30 min Scan# 1184  
 Delta R.T. -0.02 min  
 Lab File: BF107156.D  
 Acq: 6 Jul 2018 6:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.0  | 29.7  | 44.5  |
| 170     | 24.5  | 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

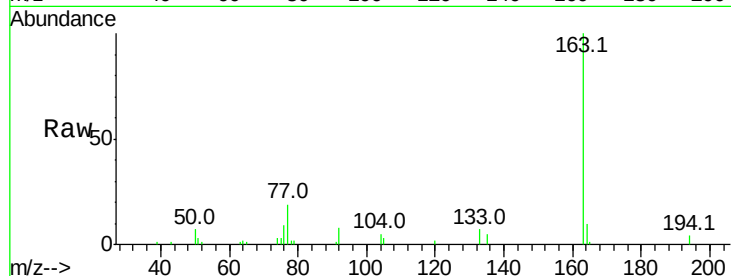




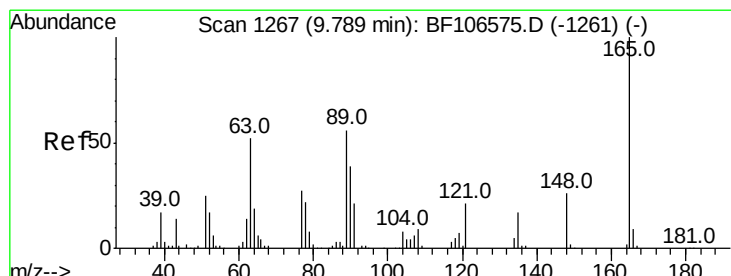
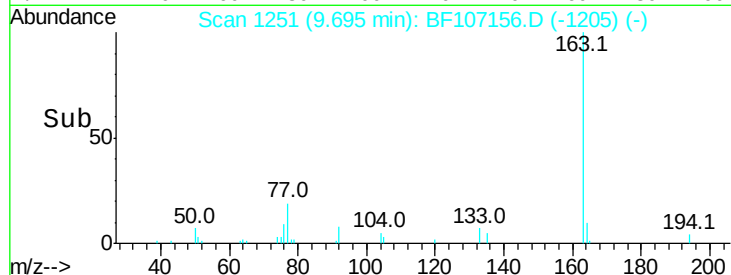
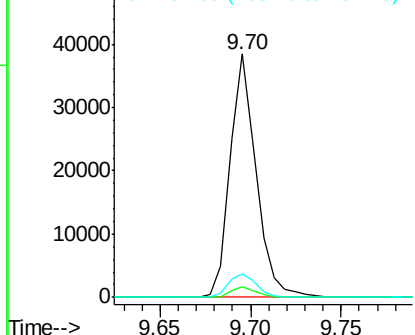
#49  
Dimethylphthalate  
Concen: 5.166 ng  
RT: 9.70 min Scan# 1251  
Delta R.T. -0.03 min  
Lab File: BF107156.D  
Acq: 6 Jul 2018 6:52

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 38633  
Ion Ratio Lower Upper  
163 100  
194 4.3 2.7 4.1#  
164 9.6 8.2 12.2

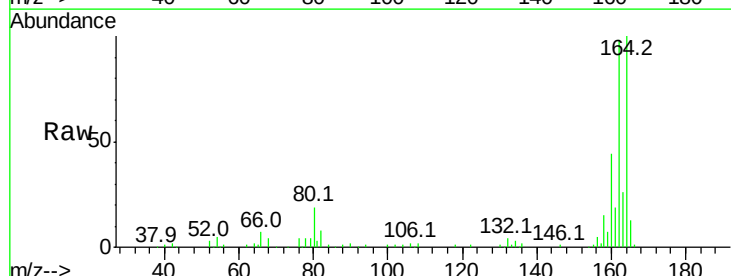


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

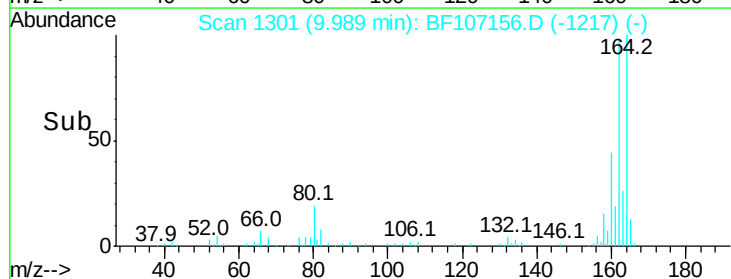
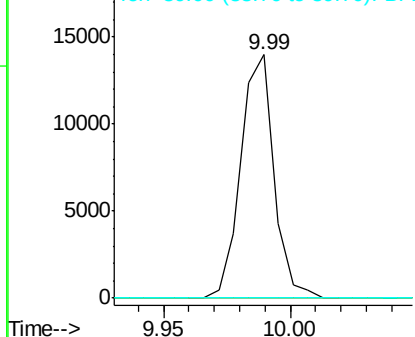


#50  
2,6-Dinitrotoluene  
Concen: 8.043 ng  
RT: 9.99 min Scan# 1301  
Delta R.T. 0.19 min  
Lab File: BF107156.D  
Acq: 6 Jul 2018 6:52

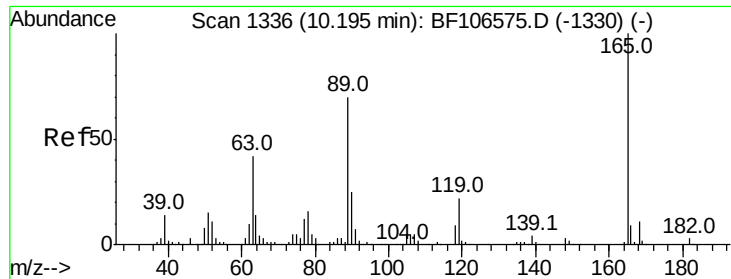
Tgt Ion:165 Resp: 12736  
Ion Ratio Lower Upper  
165 100  
63 0.0 44.7 67.1#  
89 0.0 44.0 66.0#



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



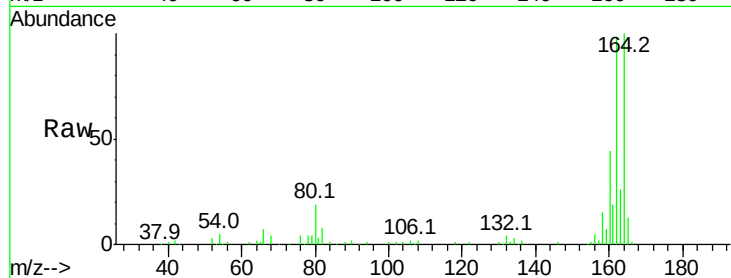




#56  
 2,4-Dinitrotoluene  
 Concen: 6.162 ng  
 RT: 9.99 min Scan# 1301  
 Delta R.T. -0.21 min  
 Lab File: BF107156.D  
 Acq: 6 Jul 2018 6:52

Instrument :  
 BNA\_F  
 ClientSampleId :

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

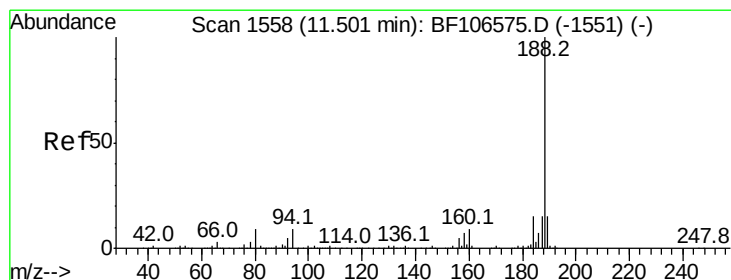
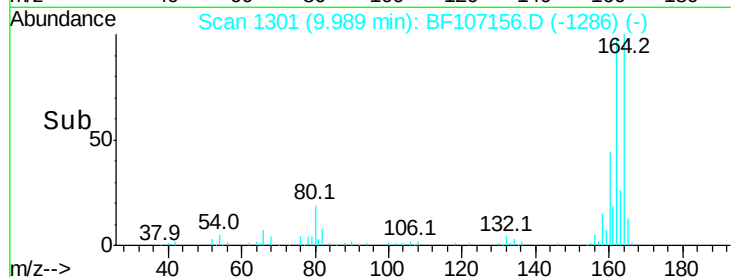
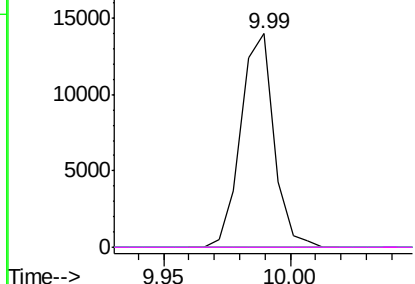


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

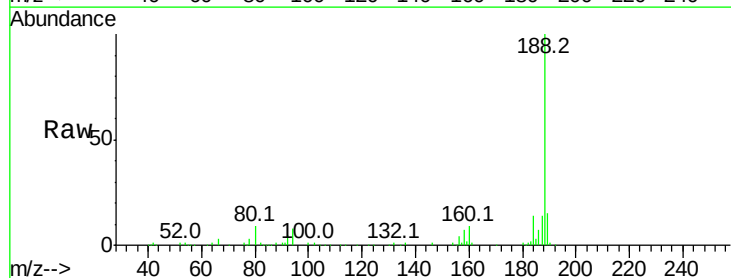
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.48 min Scan# 1555  
 Delta R.T. -0.02 min  
 Lab File: BF107156.D  
 Acq: 6 Jul 2018 6:52

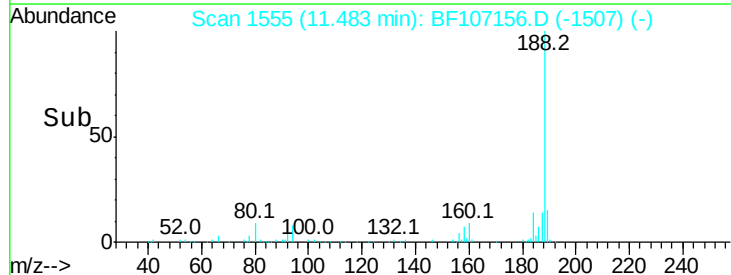
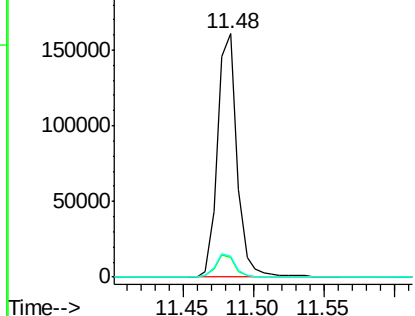
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.1   | 8.5   | 12.7# |
| 80      | 8.6   | 9.2   | 13.8# |

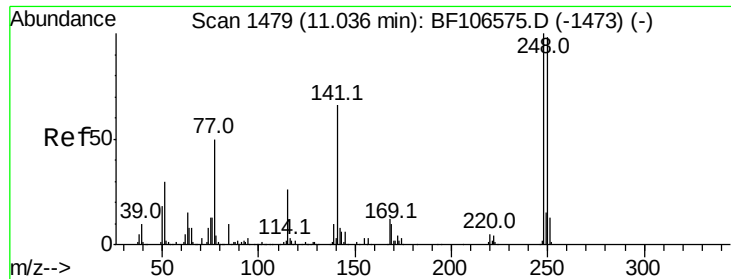


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

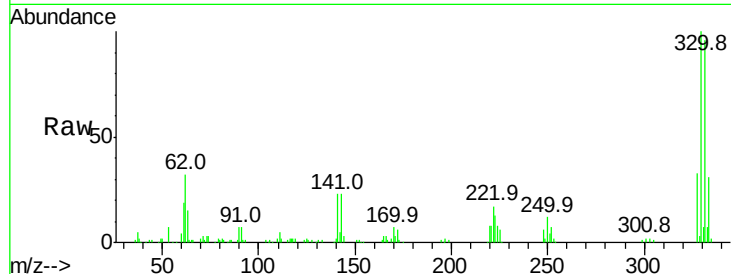




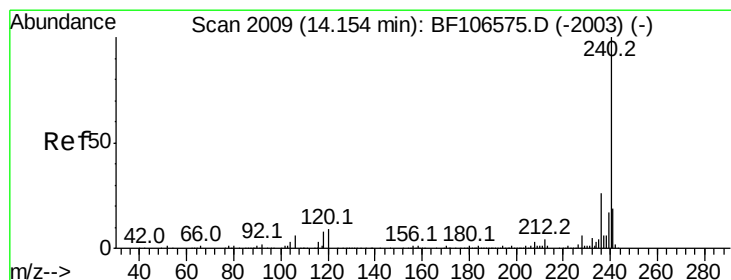
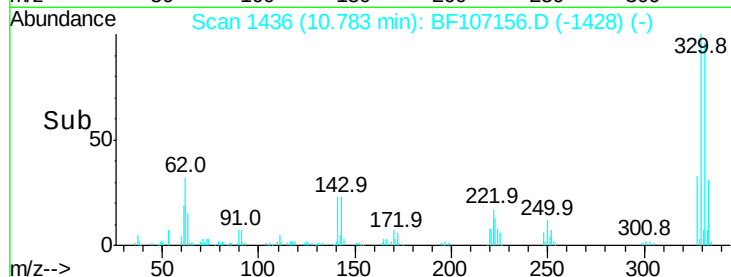
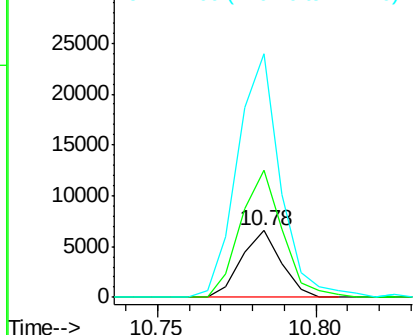
#66  
4-Bromophenyl-phenylether  
Concen: 3.076 ng  
RT: 10.78 min Scan# 1436  
Delta R.T. -0.25 min  
Lab File: BF107156.D  
Acq: 6 Jul 2018 6:52

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 5692  
Ion Ratio Lower Upper  
248 100  
250 190.8 76.9 115.3#  
141 364.7 74.4 111.6#

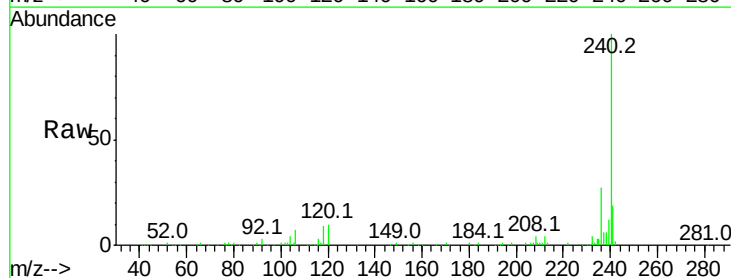


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

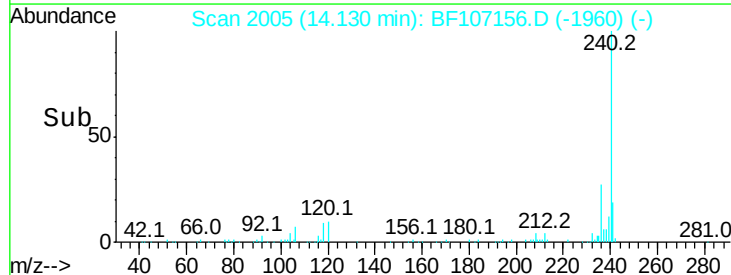
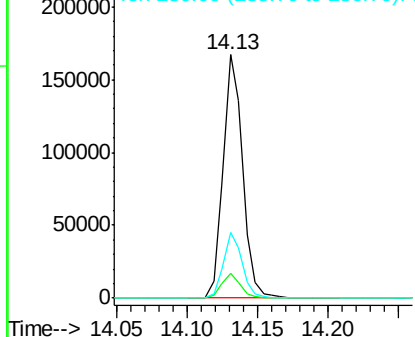


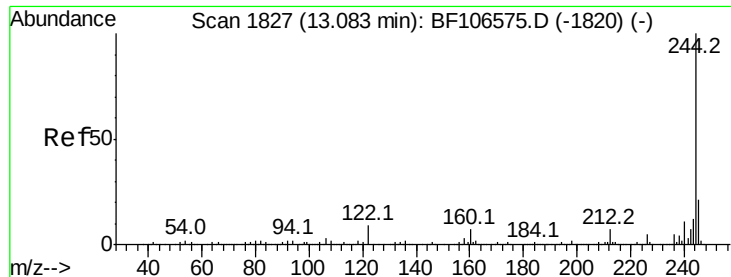
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.13 min Scan# 2005  
Delta R.T. -0.04 min  
Lab File: BF107156.D  
Acq: 6 Jul 2018 6:52

Tgt Ion:240 Resp: 161060  
Ion Ratio Lower Upper  
240 100  
120 10.1 9.5 14.3  
236 26.9 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

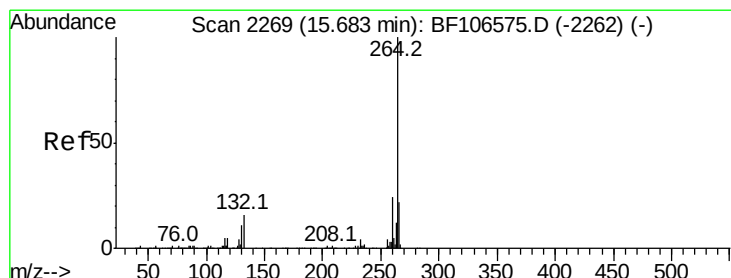
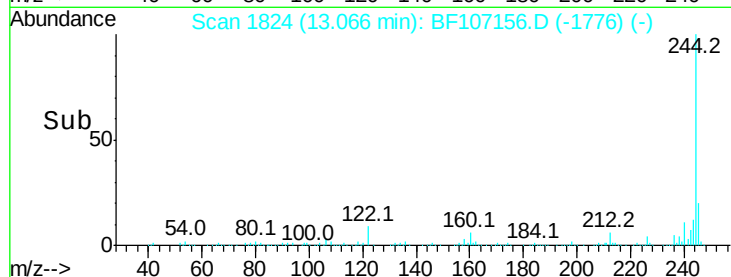
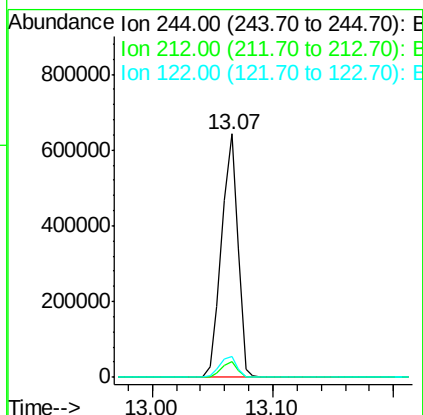
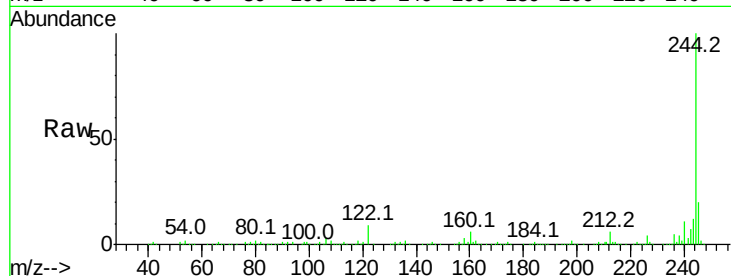




#78  
 Terphenyl-d14  
 Concen: 90.150 ng  
 RT: 13.07 min Scan# 1824  
 Delta R.T. -0.02 min  
 Lab File: BF107156.D  
 Acq: 6 Jul 2018 6:52

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 599415  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.4 8.0  
 122 8.8 11.0 16.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.66 min Scan# 2265  
 Delta R.T. -0.06 min  
 Lab File: BF107156.D  
 Acq: 6 Jul 2018 6:52

Tgt Ion:264 Resp: 110598  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 19.2 28.8  
 265 21.4 17.5 26.3

