

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061318\  
 Data File : BF106388.D  
 Acq On : 13 Jun 2018 13:56  
 Operator : JU/SJ  
 Sample : J3228-01RE  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 14 02:19:01 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 13 10:51:26 2018  
 Response via : Initial Calibration

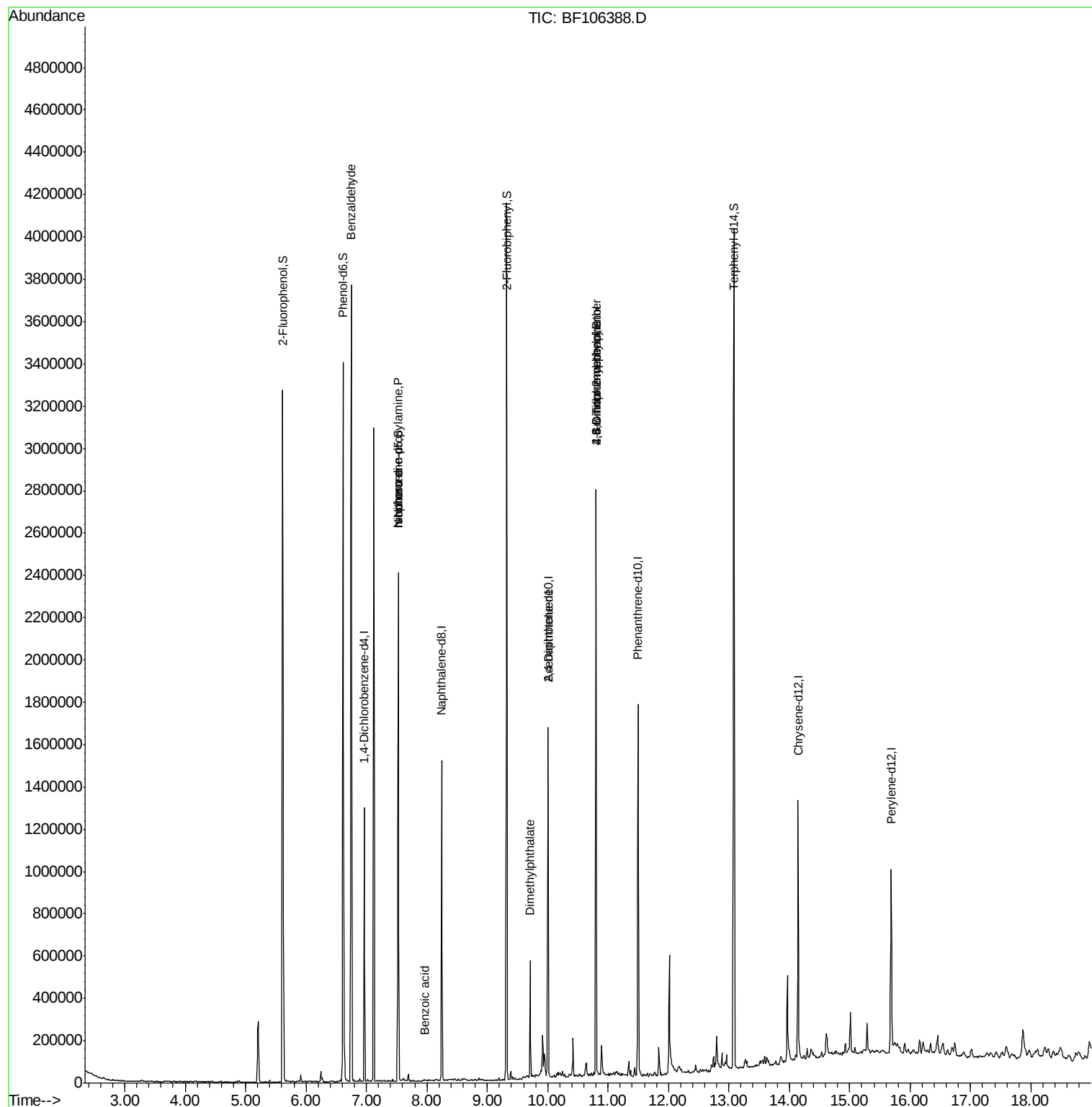
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.97  | 152  | 164644   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.25  | 136  | 613674   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 10.01 | 164  | 298382   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.49 | 188  | 586080   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.15 | 240  | 412971   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.69 | 264  | 423118   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 1008918  | 103.71 | ng    | -0.01    |
| 7) Phenol-d6                   | 6.61  | 99   | 1248928  | 101.62 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.53  | 82   | 830118   | 79.58  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.80 | 330  | 396796   | 138.21 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.32  | 172  | 1353691  | 78.66  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.08 | 244  | 1465059  | 88.11  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.75  | 77   | 22548    | 2.419  | ng    | 87       |
| 19) n-Nitroso-di-n-propylamine | 7.53  | 70   | 115565   | 12.533 | ng    | # 74     |
| 25) Isophorone                 | 7.53  | 82   | 830105   | 40.741 | ng    | # 64     |
| 32) Benzoic acid               | 7.97  | 122  | 239      | 7.321  | ng    | # 42     |
| 49) Dimethylphthalate          | 9.71  | 163  | 183528   | 8.609  | ng    | 98       |
| 56) 2,4-Dinitrotoluene         | 10.01 | 165  | 39132    | 7.156  | ng    | # 24     |
| 64) 4,6-Dinitro-2-methylphenol | 10.80 | 198  | 841      | 6.526  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 25566    | 3.835  | ng    | # 1      |

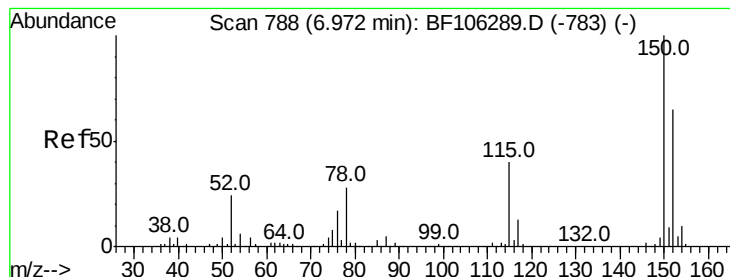
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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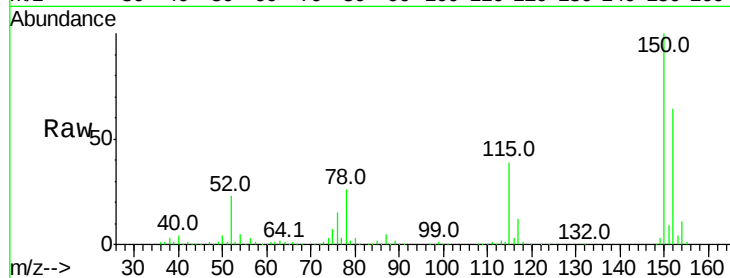


#1

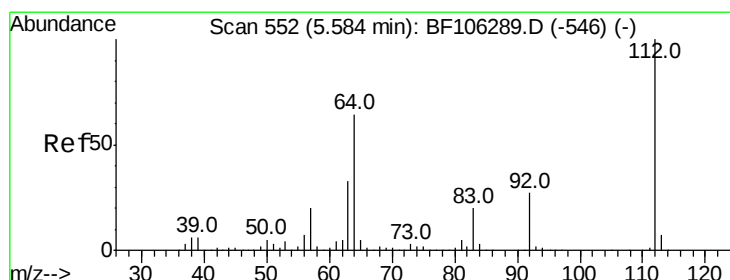
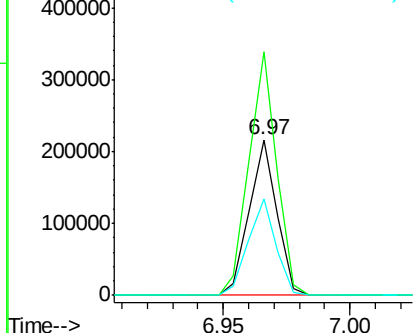
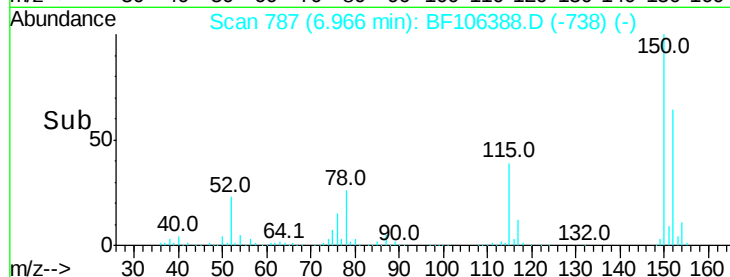
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.97 min Scan# 787  
 Delta R.T. -0.01 min  
 Lab File: BF106388.D  
 Acq: 13 Jun 2018 13:56

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:152 Resp: 164644  
 Ion Ratio Lower Upper  
 152 100  
 150 156.4 124.6 186.8  
 115 61.5 50.1 75.1



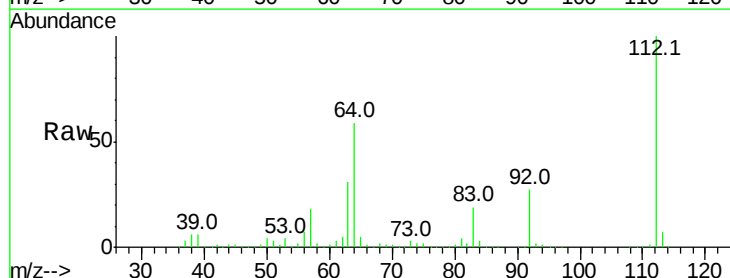
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



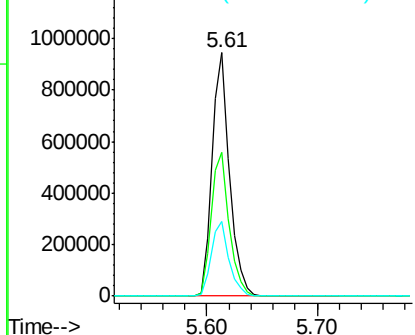
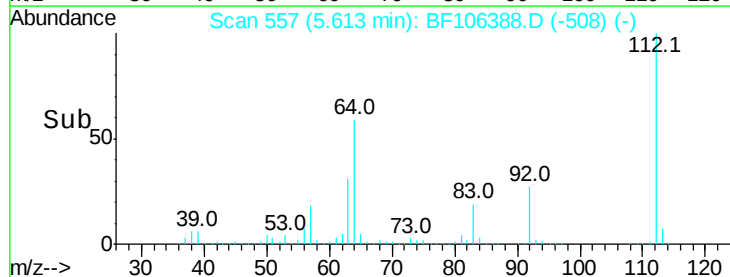
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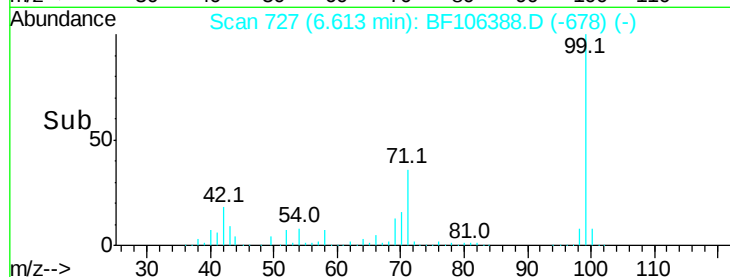
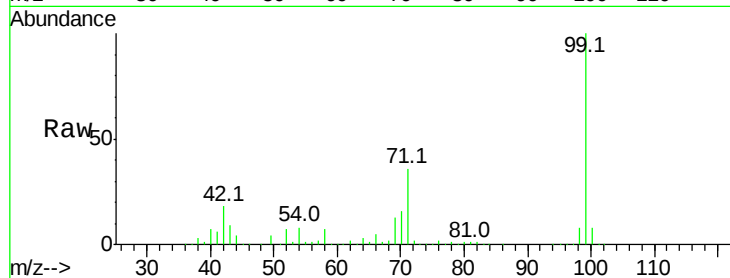
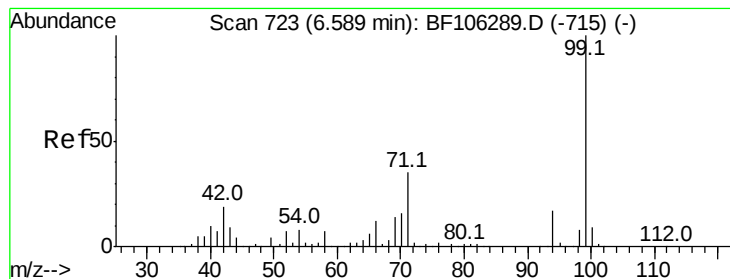
2-Fluorophenol  
 Concen: 103.714 ng  
 RT: 5.61 min Scan# 557  
 Delta R.T. -0.01 min  
 Lab File: BF106388.D  
 Acq: 13 Jun 2018 13:56

Tgt Ion:112 Resp: 1008918  
 Ion Ratio Lower Upper  
 112 100  
 64 59.1 47.9 71.9  
 63 30.5 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: 101.619 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF106388.D

Acq: 13 Jun 2018 13:56

Instrument :

BNA\_F

ClientSampleId :

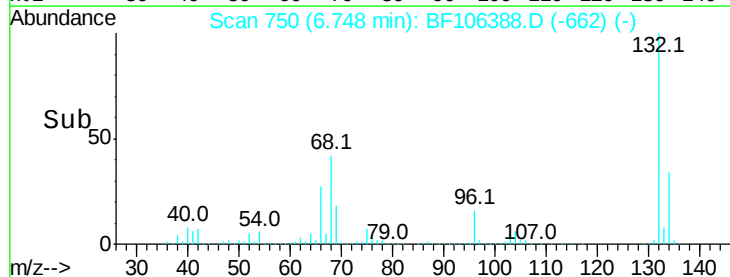
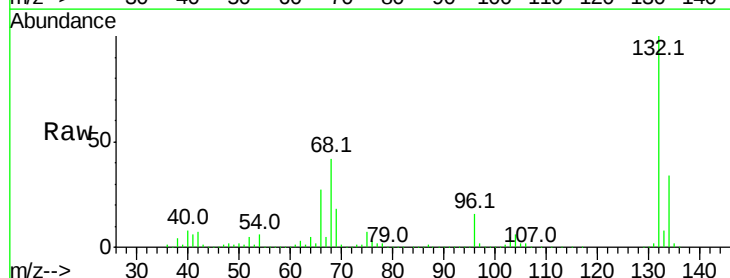
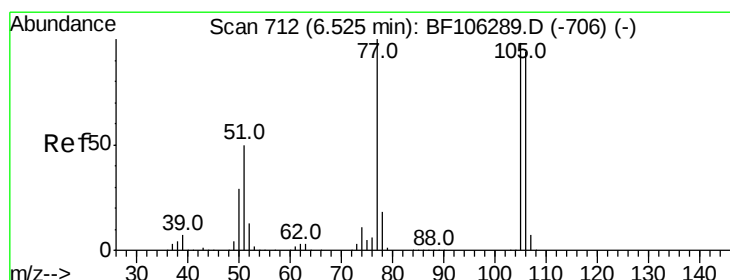
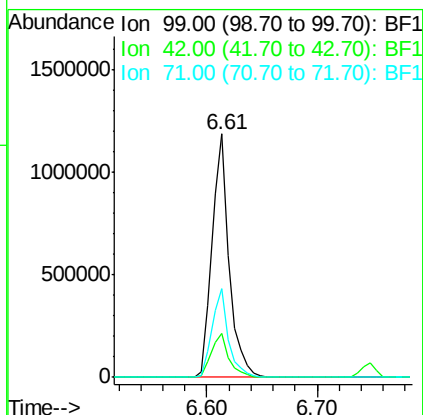
Tot Ion: 99 Resp: 1248928

Ion Ratio Lower Upper

99 100

42 18.1 14.5 21.7

71 36.2 25.4 38.0



#9

Benzaldehyde

Concen: 2.419 ng

RT: 6.75 min Scan# 750

Delta R.T. 0.22 min

Lab File: BF106388.D

Acq: 13 Jun 2018 13:56

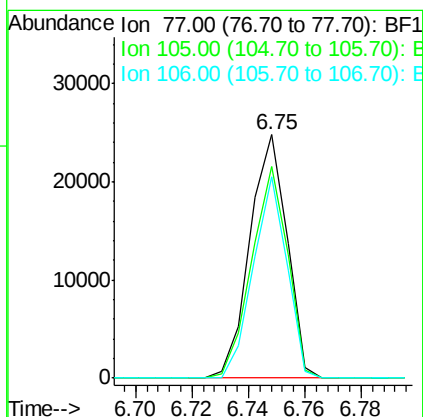
Tgt Ion: 77 Resp: 22548

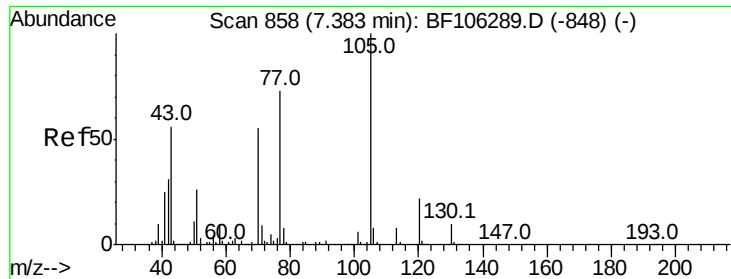
Ion Ratio Lower Upper

77 100

105 86.7 81.1 121.1

106 82.9 74.5 114.5

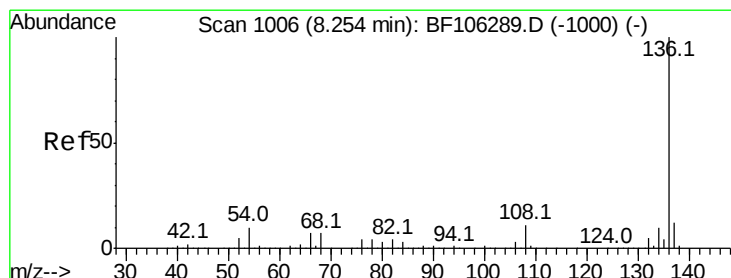
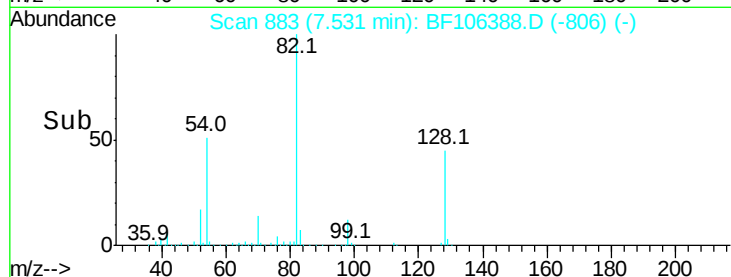
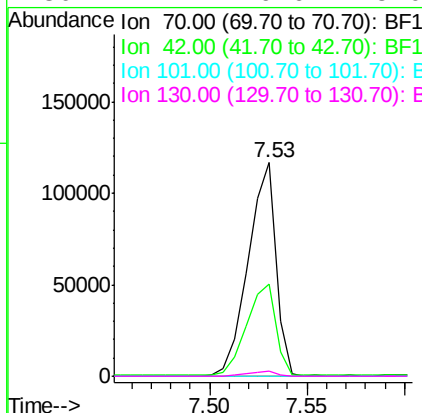
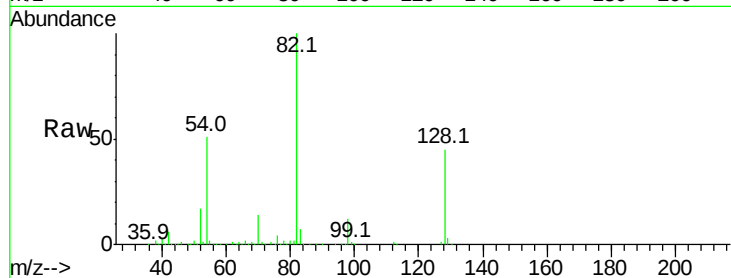




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.533 ng  
RT: 7.53 min Scan# 883  
Delta R.T. 0.15 min  
Lab File: BF106388.D  
Acq: 13 Jun 2018 13:56

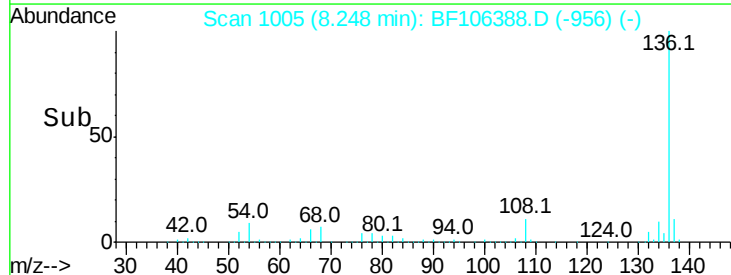
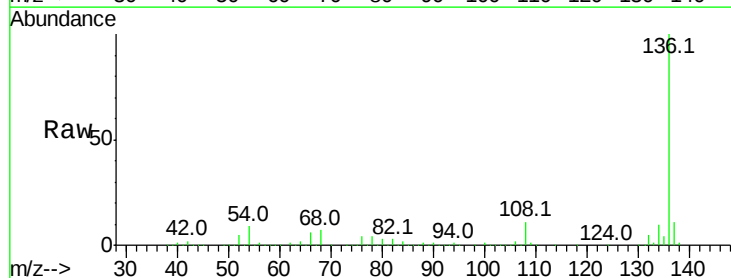
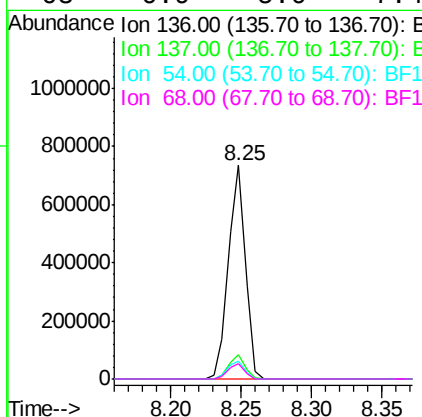
Instrument :  
BNA\_F  
ClientSampleId :

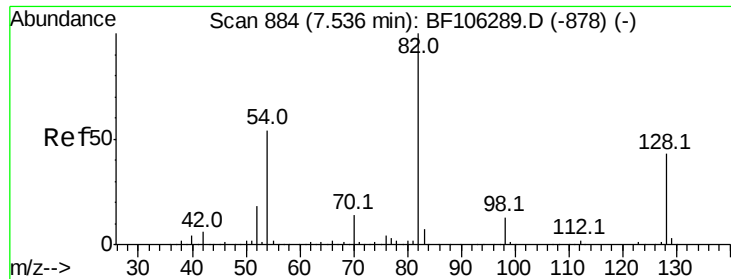
Tot Ion: 70 Resp: 115565  
Ion Ratio Lower Upper  
70 100  
42 43.4 47.5 71.3#  
101 0.0 7.4 11.2#  
130 2.2 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.25 min Scan# 1005  
Delta R.T. -0.01 min  
Lab File: BF106388.D  
Acq: 13 Jun 2018 13:56

Tgt Ion:136 Resp: 613674  
Ion Ratio Lower Upper  
136 100  
137 11.2 8.9 13.3  
54 8.7 6.6 9.8  
68 6.9 5.0 7.4

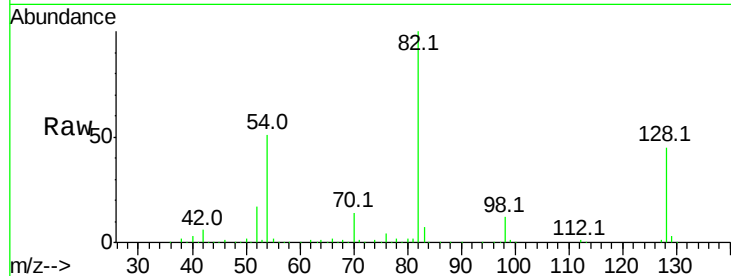




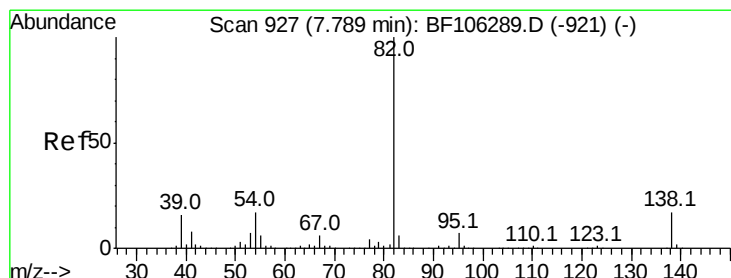
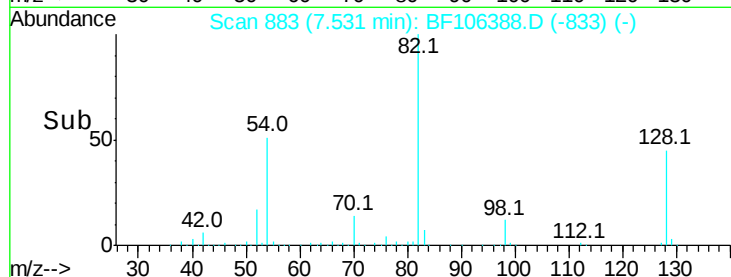
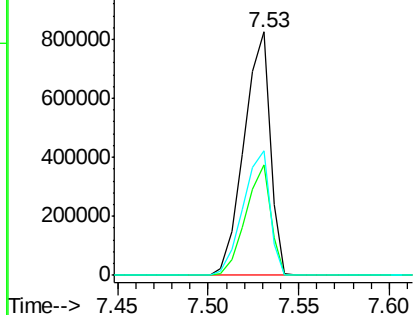
#23  
Nitrobenzene-d5  
Concen: 79.577 ng  
RT: 7.53 min Scan# 883  
Delta R.T. -0.01 min  
Lab File: BF106388.D  
Acq: 13 Jun 2018 13:56

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 830118  
Ion Ratio Lower Upper  
82 100  
128 45.2 36.1 54.1  
54 51.0 41.4 62.2

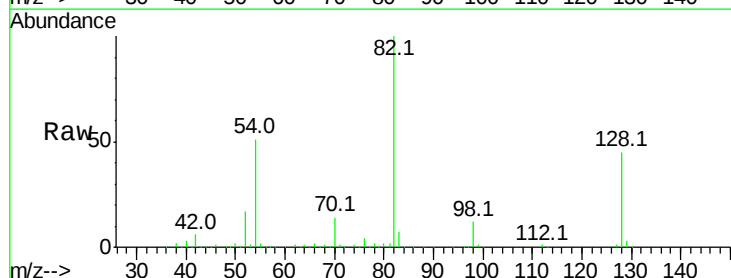


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

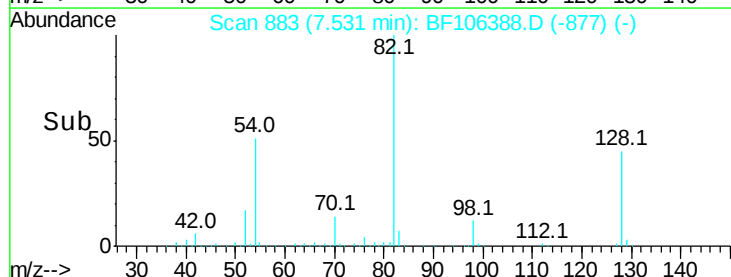
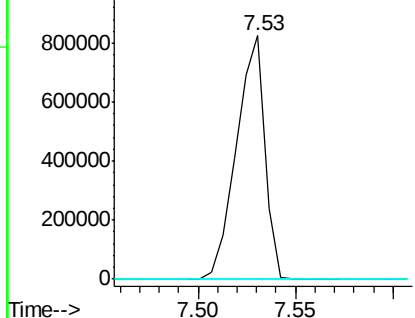


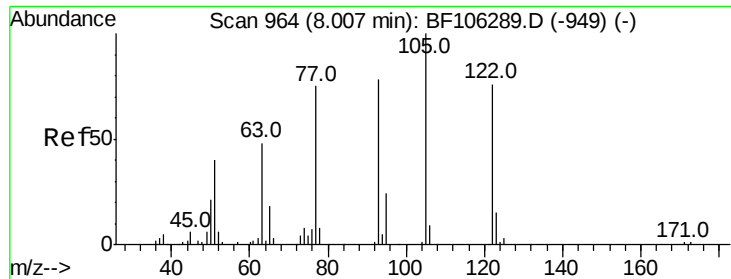
#25  
Isophorone  
Concen: 40.741 ng  
RT: 7.53 min Scan# 883  
Delta R.T. -0.26 min  
Lab File: BF106388.D  
Acq: 13 Jun 2018 13:56

Tgt Ion: 82 Resp: 830105  
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





#32

Benzoic acid

Concen: 7.321 ng

RT: 7.97 min Scan# 957

Delta R.T. -0.04 min

Lab File: BF106388.D

Acq: 13 Jun 2018 13:56

Instrument :

BNA\_F

ClientSampled :

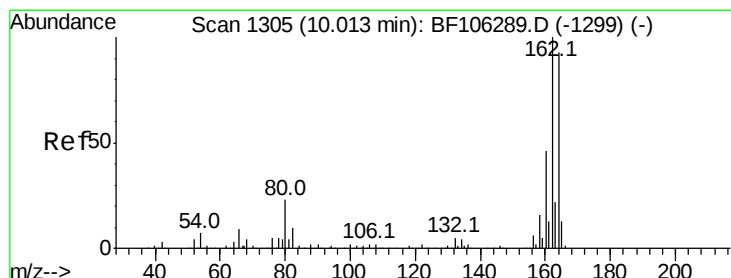
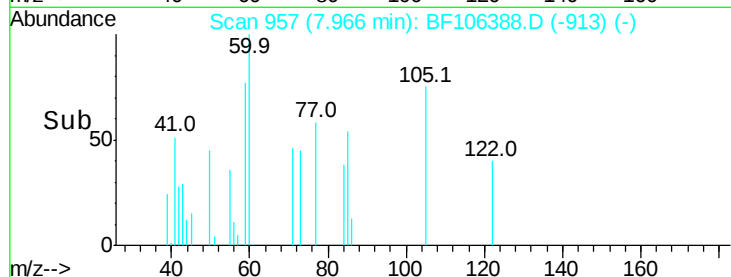
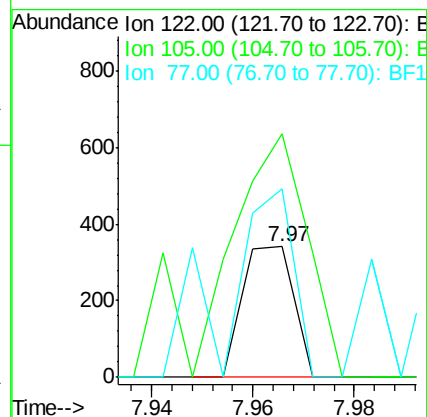
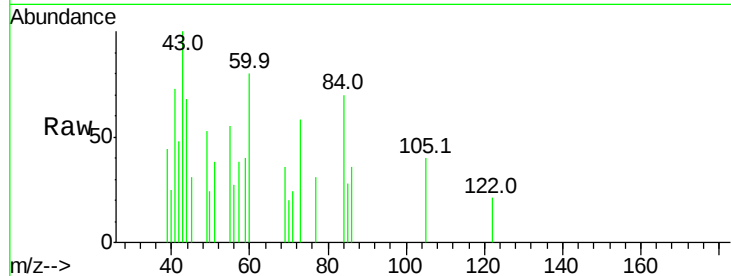
Tot Ion:122 Resp: 239

Ion Ratio Lower Upper

122 100

105 186.5 101.1 141.1#

77 144.3 70.7 110.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF106388.D

Acq: 13 Jun 2018 13:56

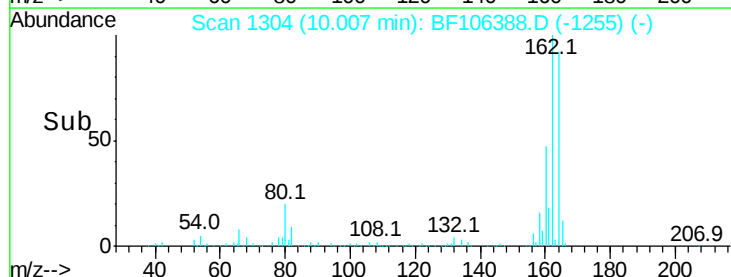
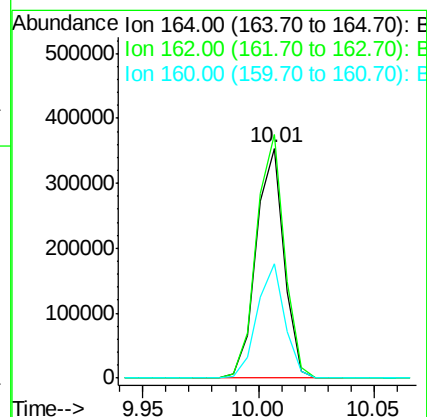
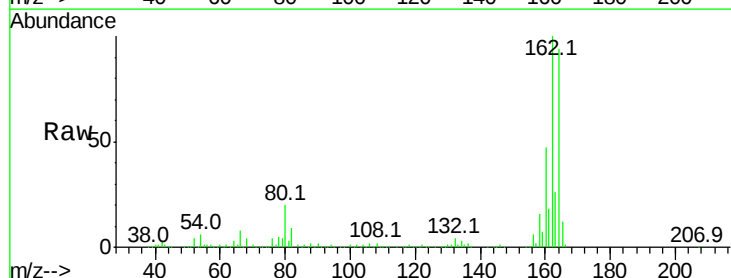
Tgt Ion:164 Resp: 298382

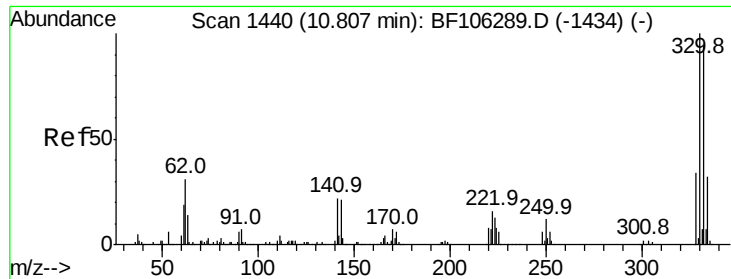
Ion Ratio Lower Upper

164 100

162 105.8 86.1 129.1

160 49.8 38.3 57.5

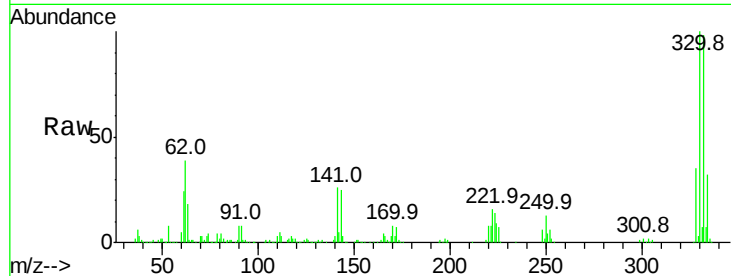




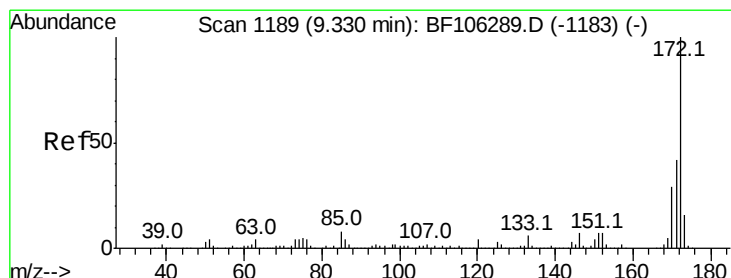
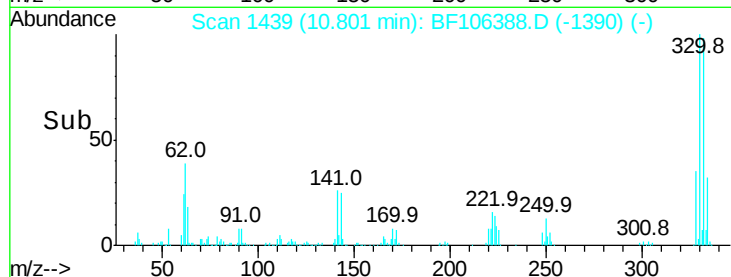
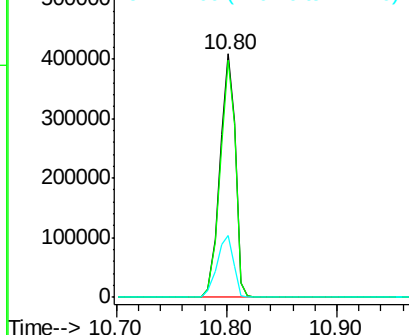
#41  
 2,4,6-Tribromophenol  
 Concen: 138.211 ng  
 RT: 10.80 min Scan# 1439  
 Delta R.T. -0.01 min  
 Lab File: BF106388.D  
 Acq: 13 Jun 2018 13:56

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 396796  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 77.0 115.6  
 141 27.4 29.9 44.9#

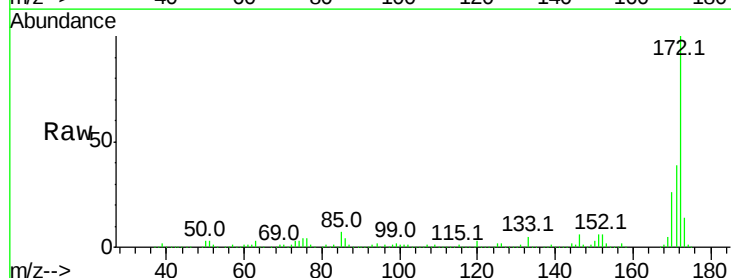


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

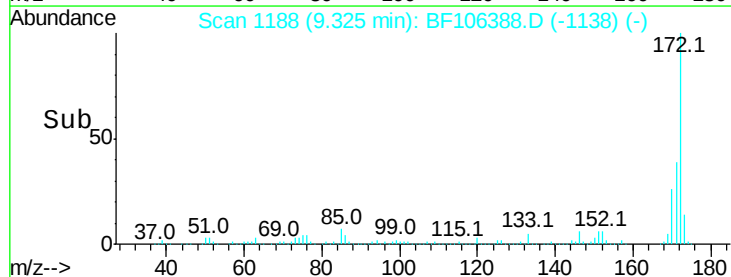
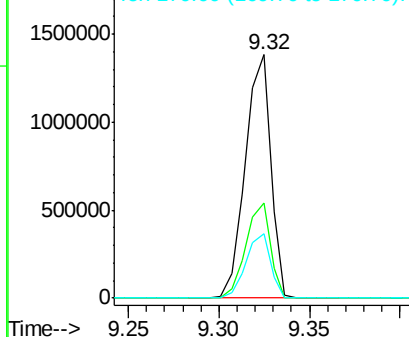


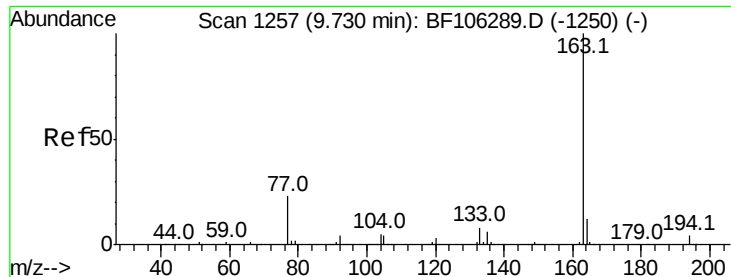
#44  
 2-Fluorobiphenyl  
 Concen: 78.665 ng  
 RT: 9.32 min Scan# 1188  
 Delta R.T. -0.01 min  
 Lab File: BF106388.D  
 Acq: 13 Jun 2018 13:56

Tgt Ion:172 Resp: 1353691  
 Ion Ratio Lower Upper  
 172 100  
 171 38.8 29.7 44.5  
 170 26.4 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

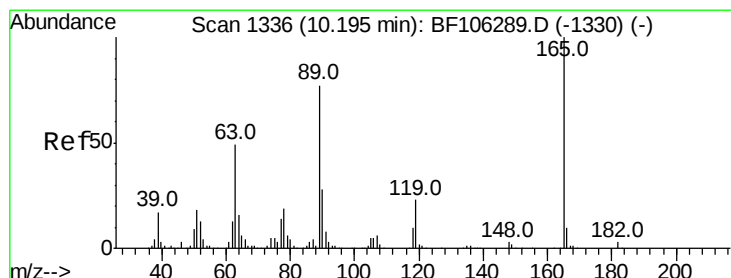
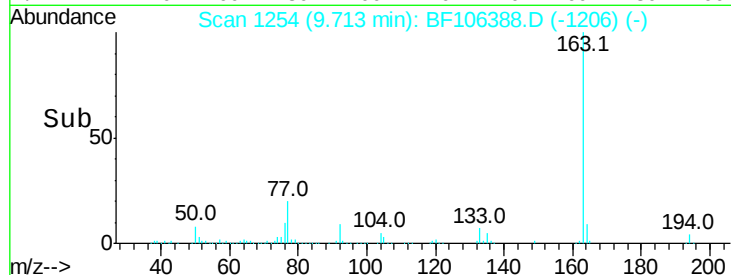
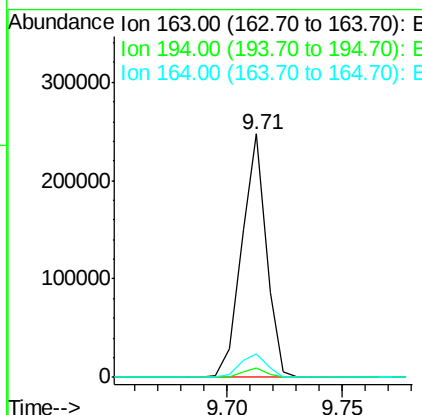
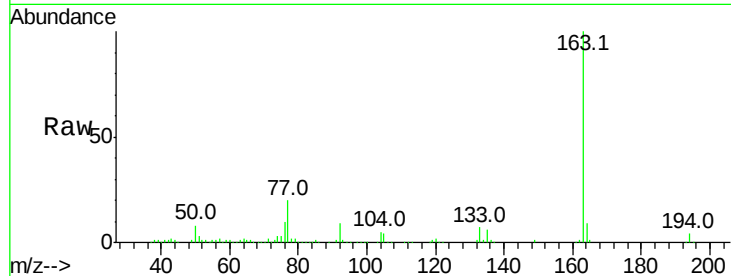




#49  
Dimethylphthalate  
Concen: 8.609 ng  
RT: 9.71 min Scan# 1254  
Delta R.T. -0.02 min  
Lab File: BF106388.D  
Acq: 13 Jun 2018 13:56

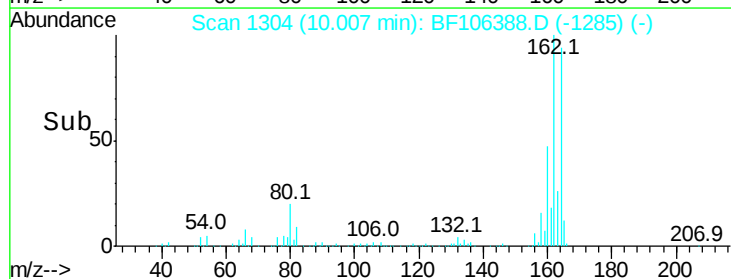
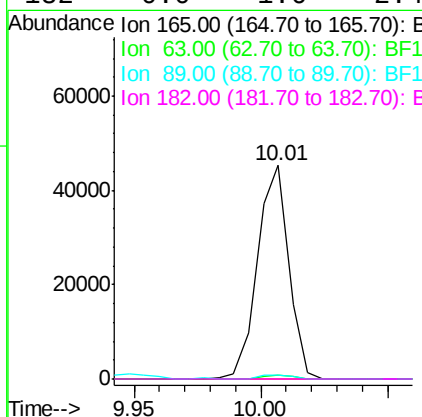
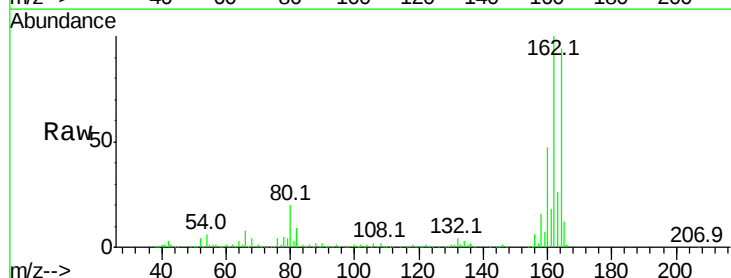
Instrument :  
BNA\_F  
ClientSampleId :

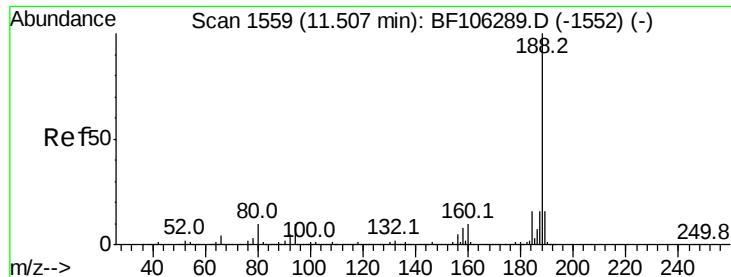
Tot Ion:163 Resp: 183528  
Ion Ratio Lower Upper  
163 100  
194 3.9 2.7 4.1  
164 9.5 8.2 12.2



#56  
2,4-Dinitrotoluene  
Concen: 7.156 ng  
RT: 10.01 min Scan# 1304  
Delta R.T. -0.19 min  
Lab File: BF106388.D  
Acq: 13 Jun 2018 13:56

Tgt Ion:165 Resp: 39132  
Ion Ratio Lower Upper  
165 100  
63 1.6 36.4 54.6#  
89 1.7 57.8 86.6#  
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF106388.D

Acq: 13 Jun 2018 13:56

Instrument :

BNA\_F

ClientSampleId :

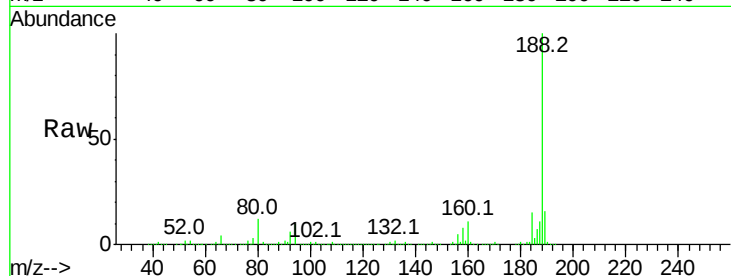
Tot Ion:188 Resp: 586080

Ion Ratio Lower Upper

188 100

94 10.4 8.5 12.7

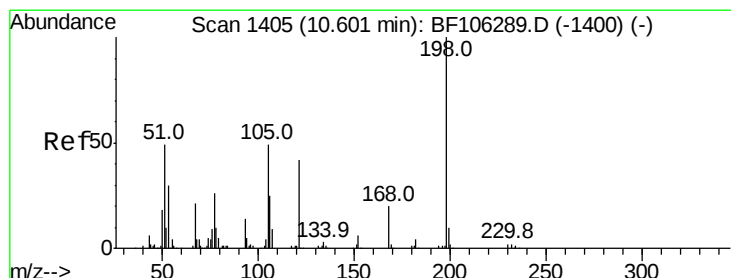
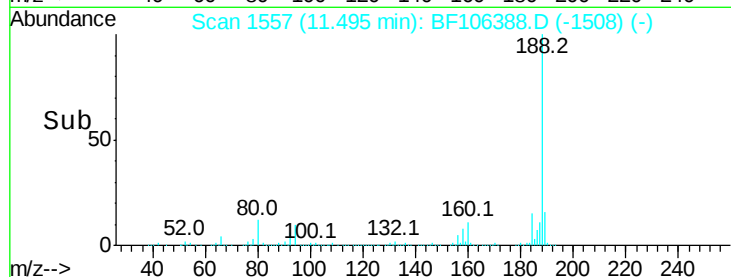
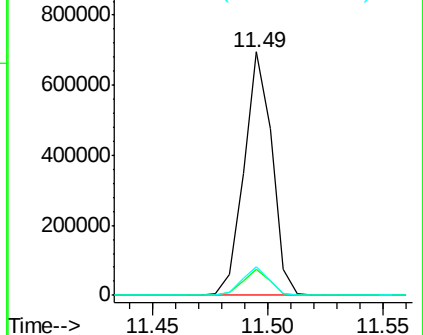
80 11.6 9.2 13.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 6.526 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.19 min

Lab File: BF106388.D

Acq: 13 Jun 2018 13:56

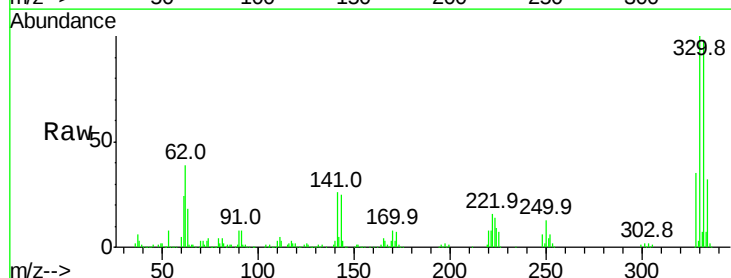
Tgt Ion:198 Resp: 841

Ion Ratio Lower Upper

198 100

51 153.1 37.7 77.7#

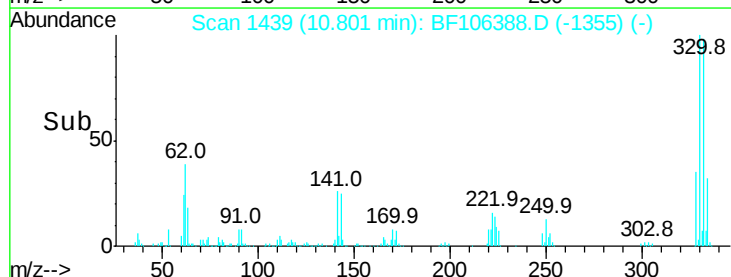
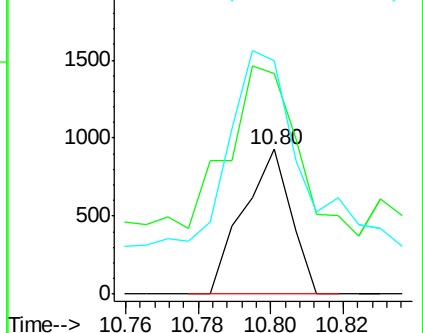
105 161.1 36.3 76.3#

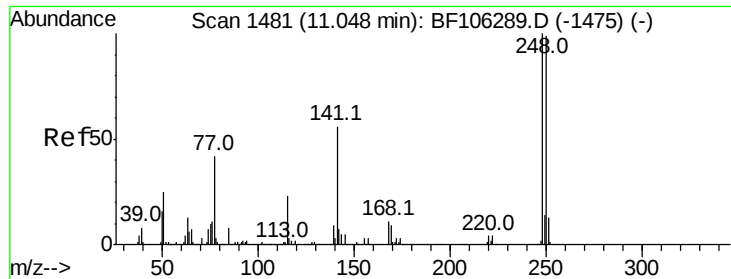


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

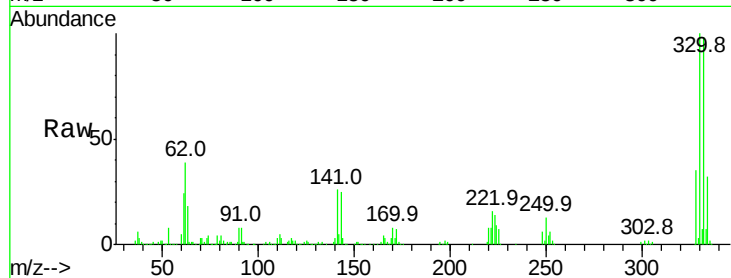




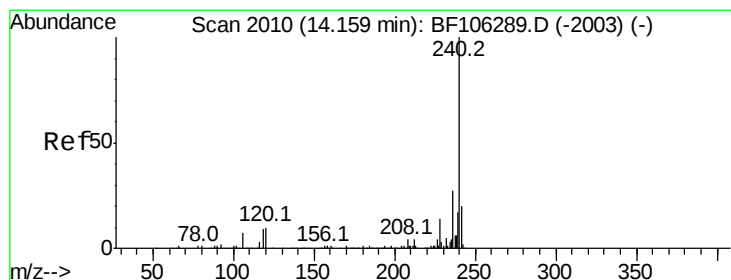
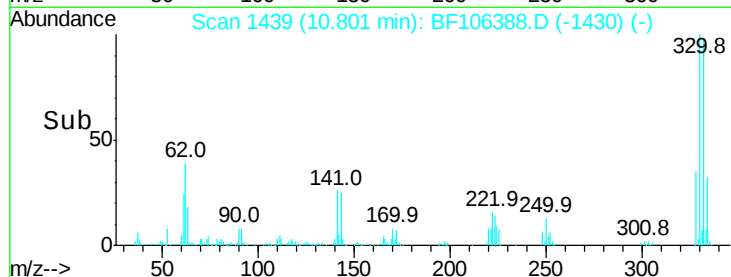
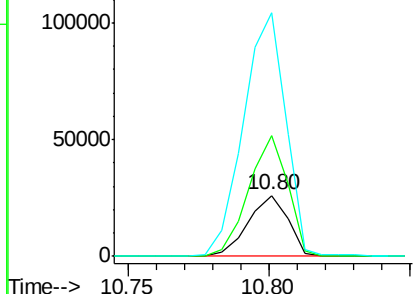
#66  
4-Bromophenyl-phenylether  
Concen: 3.835 ng  
RT: 10.80 min Scan# 1439  
Delta R.T. -0.25 min  
Lab File: BF106388.D  
Acq: 13 Jun 2018 13:56

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 25566  
Ion Ratio Lower Upper  
248 100  
250 198.3 76.9 115.3#  
141 399.4 74.4 111.6#

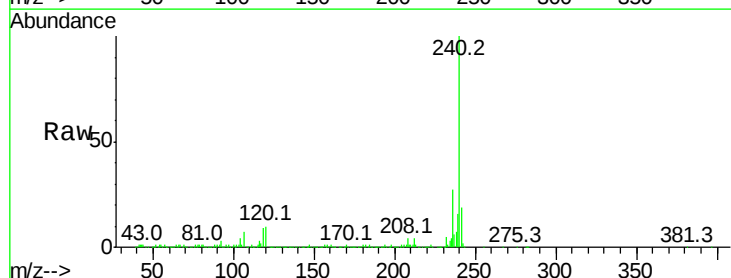


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

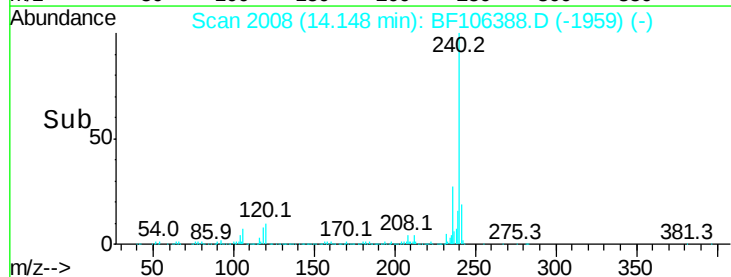
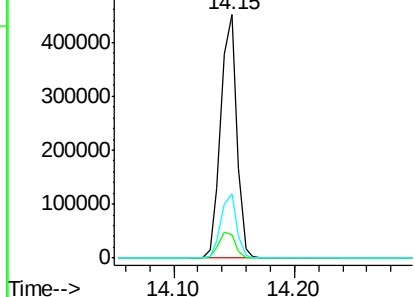


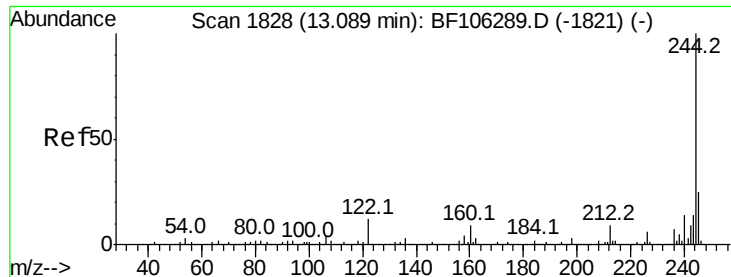
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.15 min Scan# 2008  
Delta R.T. -0.01 min  
Lab File: BF106388.D  
Acq: 13 Jun 2018 13:56

Tgt Ion:240 Resp: 412971  
Ion Ratio Lower Upper  
240 100  
120 9.6 9.5 14.3  
236 26.5 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

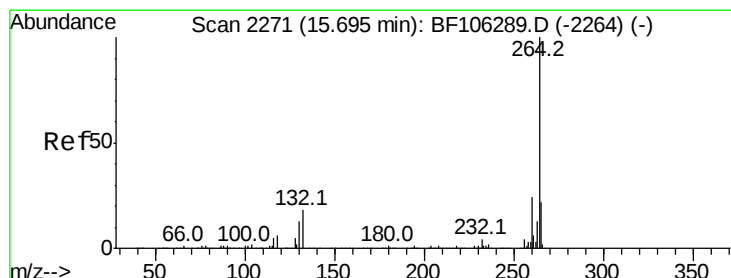
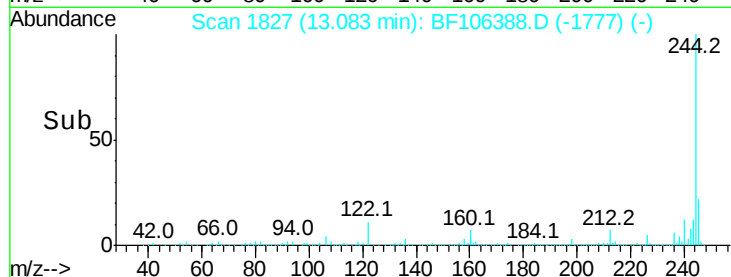
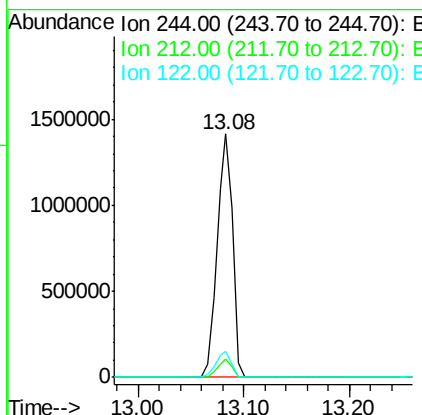
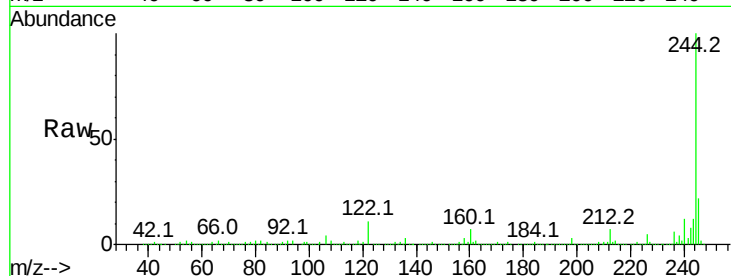




#78  
 Terphenyl-d14  
 Concen: 88.115 ng  
 RT: 13.08 min Scan# 1827  
 Delta R.T. -0.01 min  
 Lab File: BF106388.D  
 Acq: 13 Jun 2018 13:56

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 1465059  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 5.4 8.0  
 122 10.5 11.0 16.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.69 min Scan# 2270  
 Delta R.T. -0.00 min  
 Lab File: BF106388.D  
 Acq: 13 Jun 2018 13:56

Tgt Ion:264 Resp: 423118  
 Ion Ratio Lower Upper  
 264 100  
 260 24.4 19.2 28.8  
 265 22.0 17.5 26.3

