

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062218\  
 Data File : BF106754.D  
 Acq On : 23 Jun 2018 12:09  
 Operator : JU/SJ  
 Sample : J3597-06  
 Misc :  
 ALS Vial : 46 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-32

Quant Time: Jun 25 01:19:39 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 22 11:34:03 2018  
 Response via : Initial Calibration

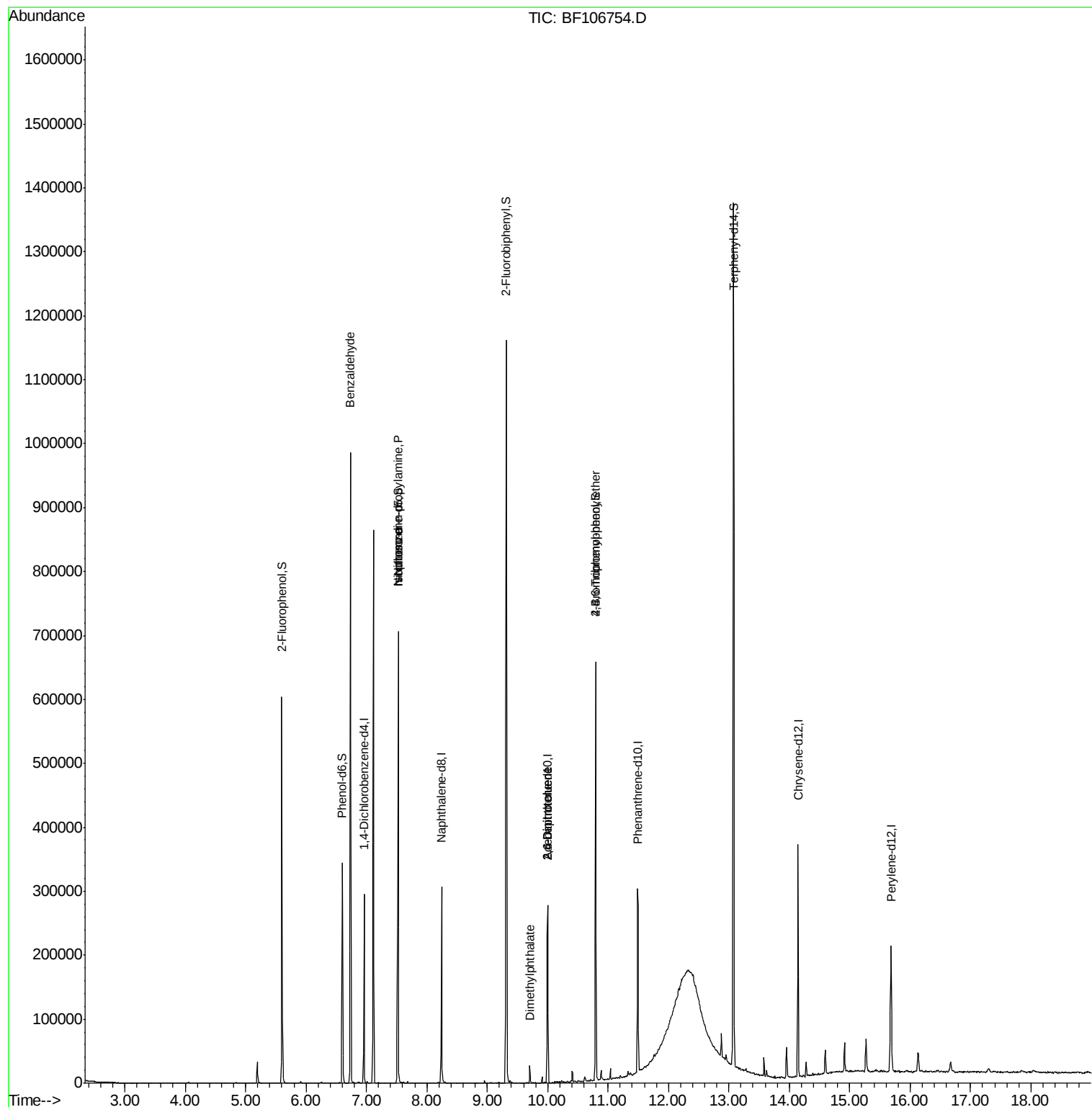
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.96  | 152  | 41895    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.24  | 136  | 138186   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.00 | 164  | 57937    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.49 | 188  | 112979   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.14 | 240  | 129508   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.68 | 264  | 93051    | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 157296   | 63.58  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.60  | 99   | 115000   | 37.22  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 234666   | 94.37  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.79 | 330  | 95508    | 142.23 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.31  | 172  | 384368   | 118.02 | ng    | -0.01    |
| 78) Terphenyl-d14              | 13.08 | 244  | 489263   | 91.51  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.74  | 77   | 5640     | 2.174  | ng    | # 81     |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 30484    | 14.968 | ng    | # 72     |
| 25) Isophorone                 | 7.52  | 82   | 234664   | 53.556 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.71  | 163  | 11637    | 2.678  | ng    | # 98     |
| 50) 2,6-Dinitrotoluene         | 10.00 | 165  | 7462     | 8.110  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 7462     | 6.213  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.79 | 248  | 5686     | 4.217  | ng    | # 1      |

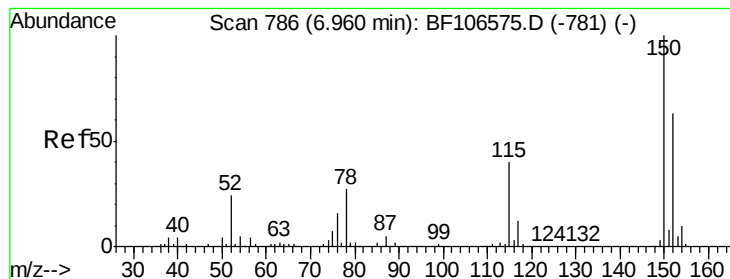
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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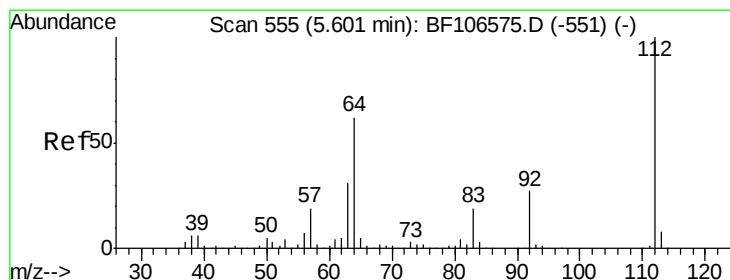
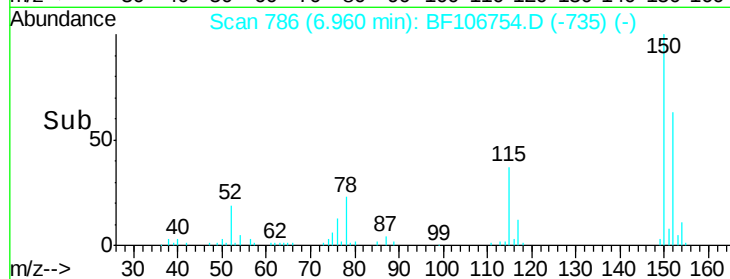
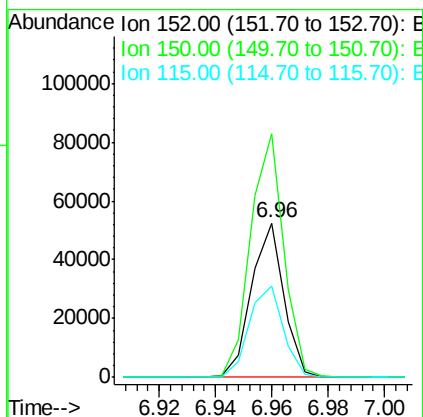
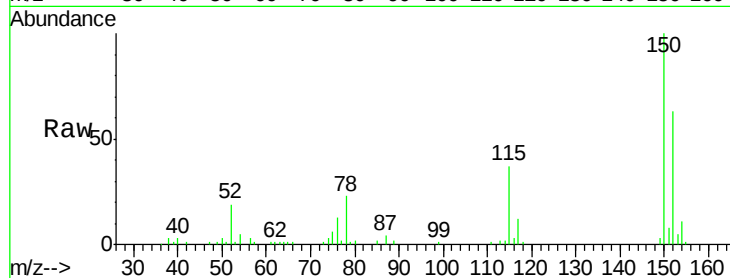


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 786  
Delta R.T. -0.00 min  
Lab File: BF106754.D  
Acq: 23 Jun 2018 12:09

Instrument :  
BNA\_F  
ClientSampleId :  
W-32

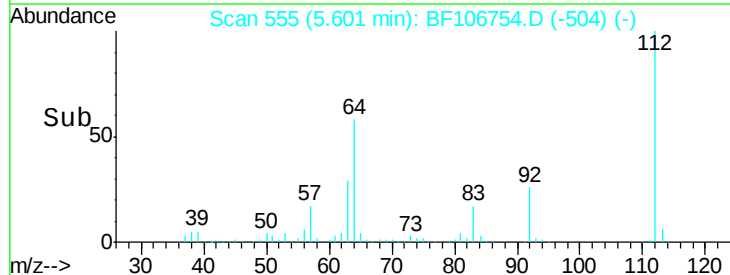
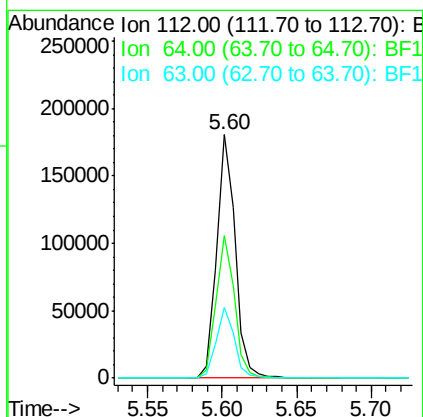
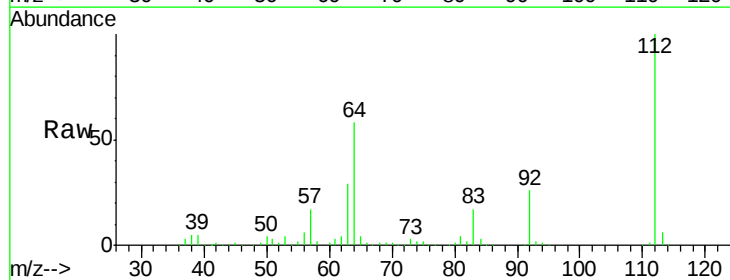
Tgt Ion:152 Resp: 41895  
Ion Ratio Lower Upper  
152 100  
150 157.5 124.6 186.8  
115 58.7 50.1 75.1



#5

2-Fluorophenol  
Concen: 63.576 ng  
RT: 5.60 min Scan# 555  
Delta R.T. -0.00 min  
Lab File: BF106754.D  
Acq: 23 Jun 2018 12:09

Tgt Ion:112 Resp: 157296  
Ion Ratio Lower Upper  
112 100  
64 58.4 47.9 71.9  
63 29.0 23.7 35.5





#7

Phenol-d6

Concen: 37.220 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106754.D

Acq: 23 Jun 2018 12:09

Instrument :

BNA\_F

ClientSampleId :

W-32

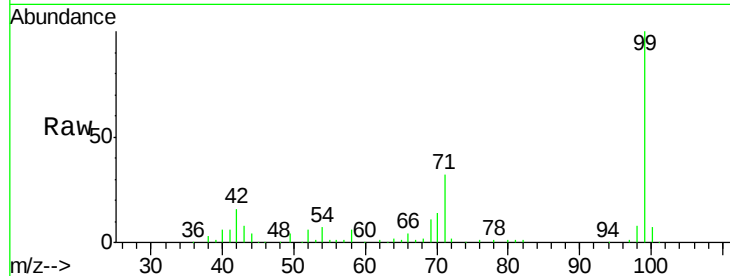
Tgt Ion: 99 Resp: 115000

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

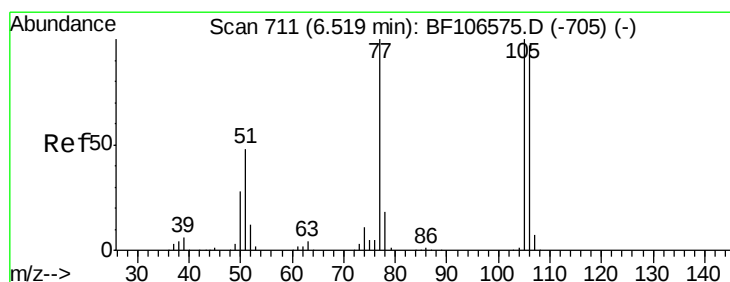
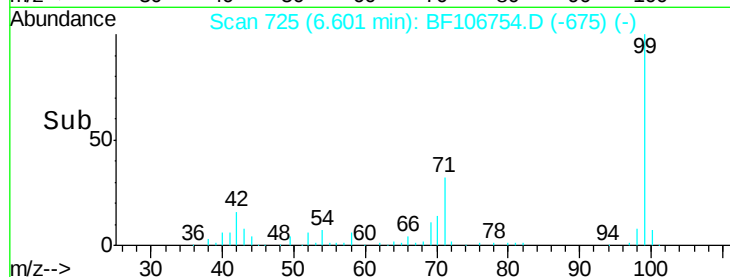
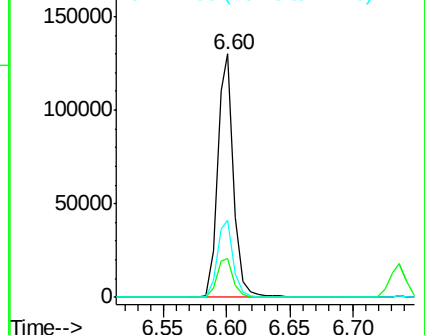
71 31.9 25.4 38.0



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: 2.174 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF106754.D

Acq: 23 Jun 2018 12:09

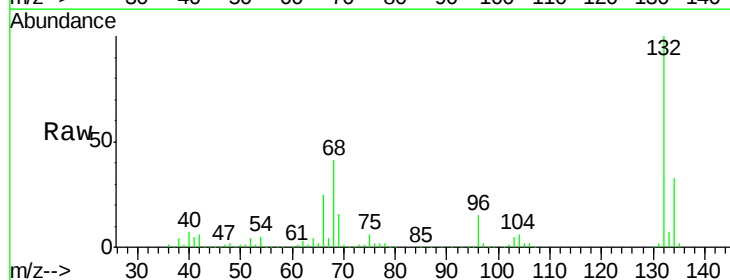
Tgt Ion: 77 Resp: 5640

Ion Ratio Lower Upper

77 100

105 82.7 81.1 121.1

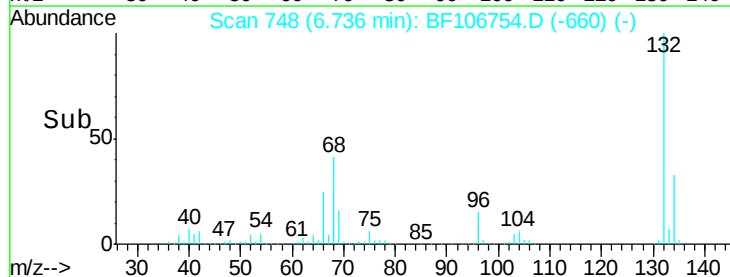
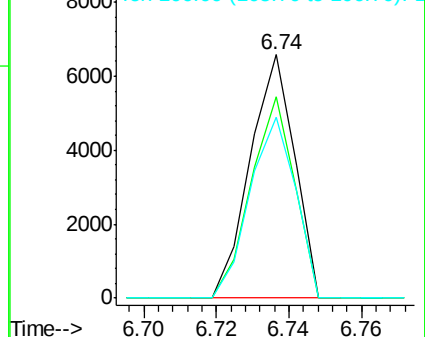
106 74.4 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

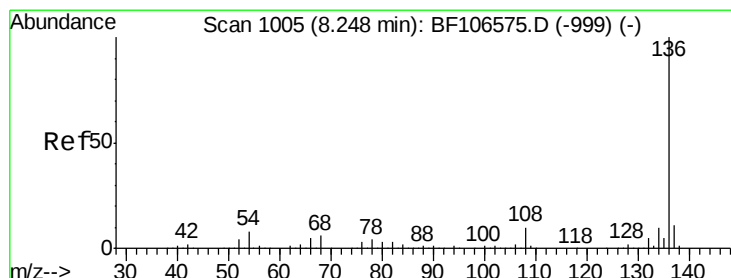
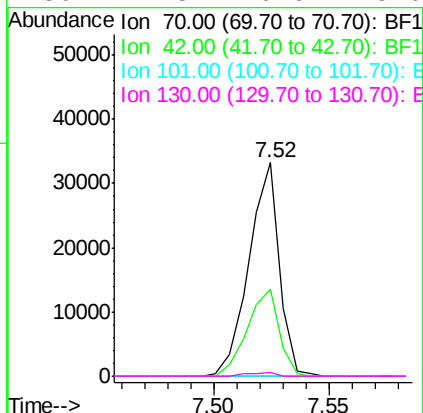
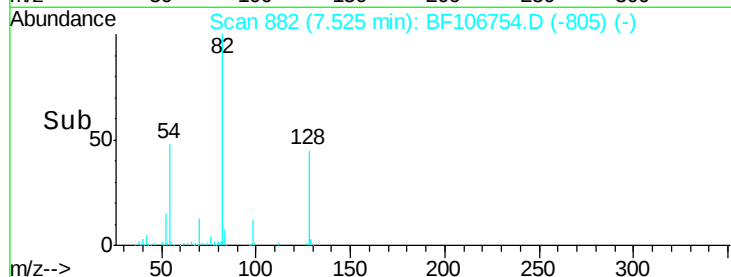
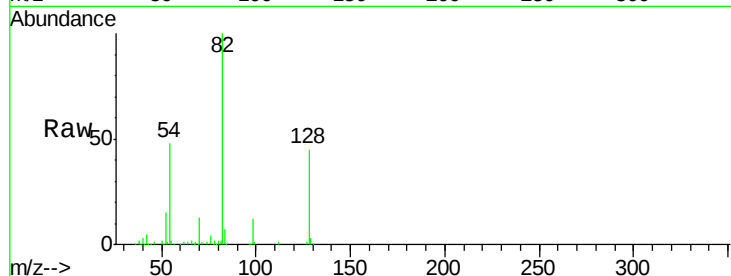




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.968 ng  
RT: 7.52 min Scan# 882  
Delta R.T. 0.15 min  
Lab File: BF106754.D  
Acq: 23 Jun 2018 12:09

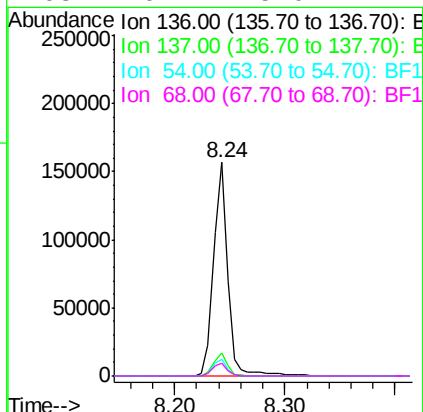
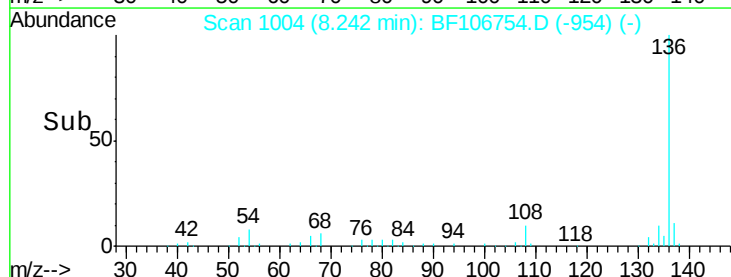
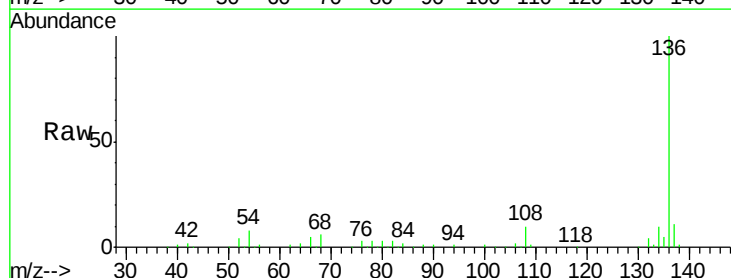
Instrument :  
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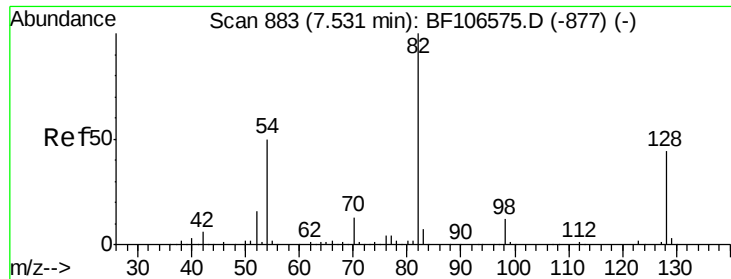
Tgt Ion: 70 Resp: 30484  
Ion Ratio Lower Upper  
70 100  
42 40.9 47.5 71.3#  
101 0.0 7.4 11.2#  
130 1.8 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.24 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BF106754.D  
Acq: 23 Jun 2018 12:09

Tgt Ion: 136 Resp: 138186  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.9 13.3  
54 7.7 6.6 9.8  
68 6.2 5.0 7.4

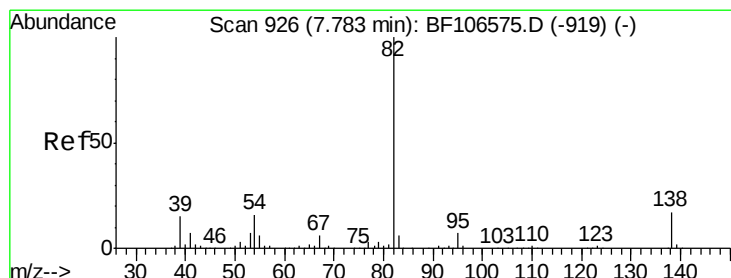
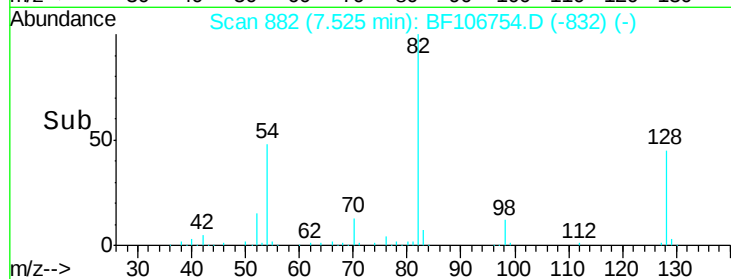
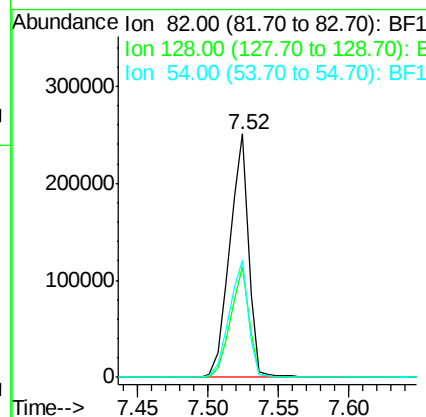
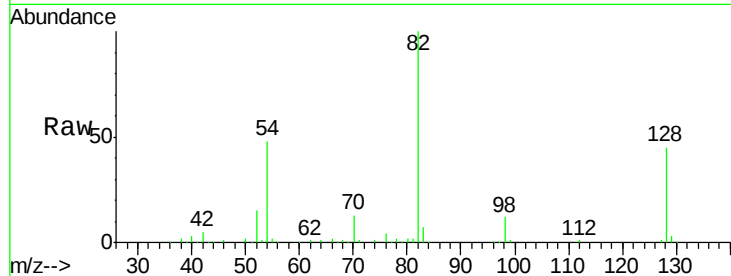




#23  
 Nitrobenzene-d5  
 Concen: 94.374 ng  
 RT: 7.52 min Scan# 882  
 Delta R.T. -0.01 min  
 Lab File: BF106754.D  
 Acq: 23 Jun 2018 12:09

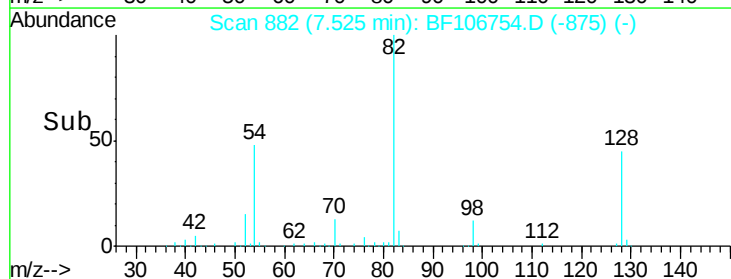
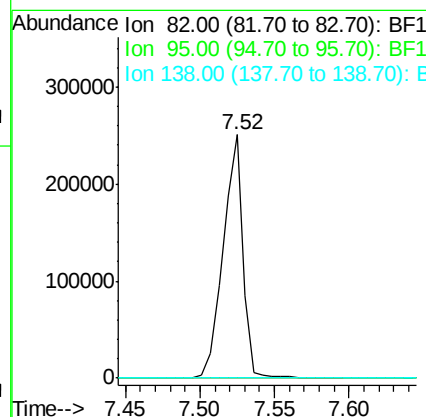
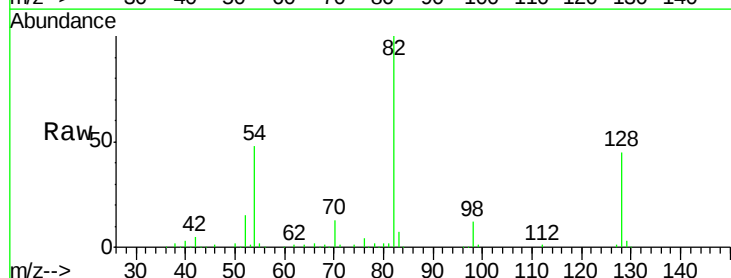
Instrument :  
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 ClientSampleId :  
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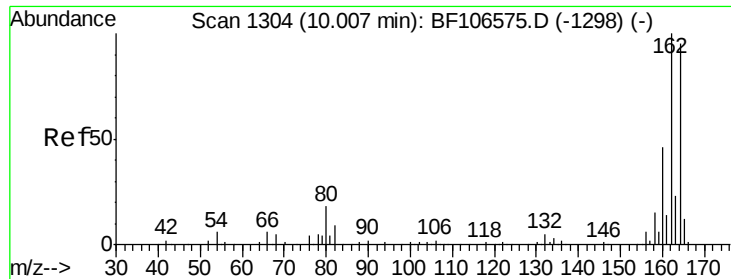
Tgt Ion: 82 Resp: 234666  
 Ion Ratio Lower Upper  
 82 100  
 128 45.2 36.1 54.1  
 54 48.1 41.4 62.2



#25  
 Isophorone  
 Concen: 53.556 ng  
 RT: 7.52 min Scan# 882  
 Delta R.T. -0.26 min  
 Lab File: BF106754.D  
 Acq: 23 Jun 2018 12:09

Tgt Ion: 82 Resp: 234664  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.2 7.8#  
 138 0.0 14.9 22.3#

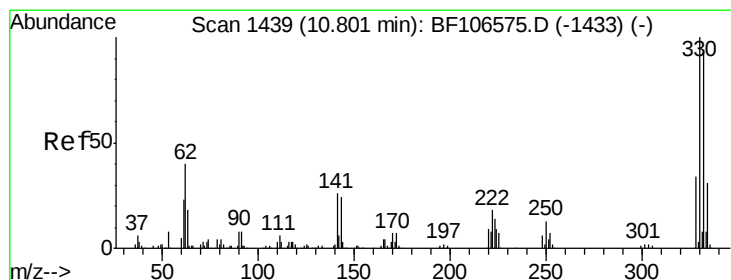
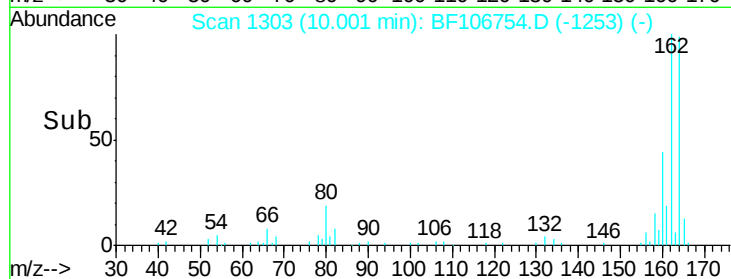
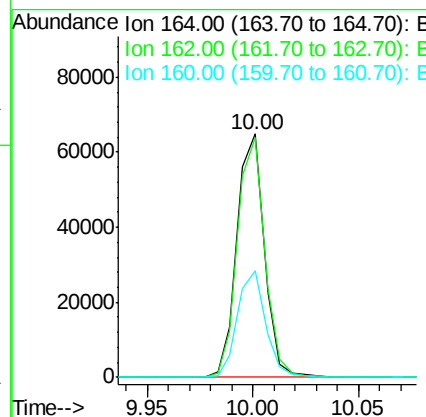
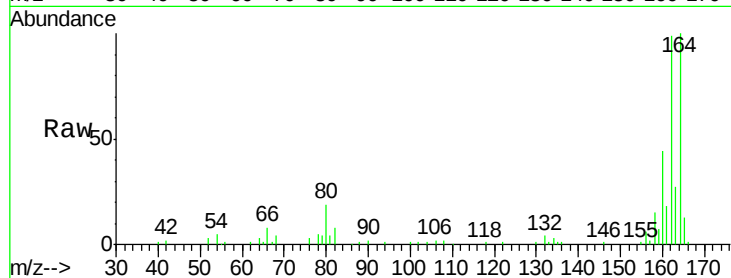




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1303  
 Delta R.T. -0.01 min  
 Lab File: BF106754.D  
 Acq: 23 Jun 2018 12:09

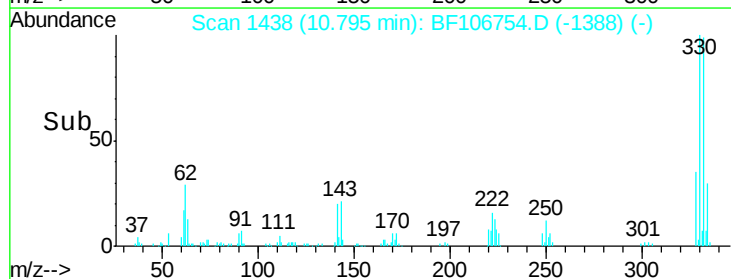
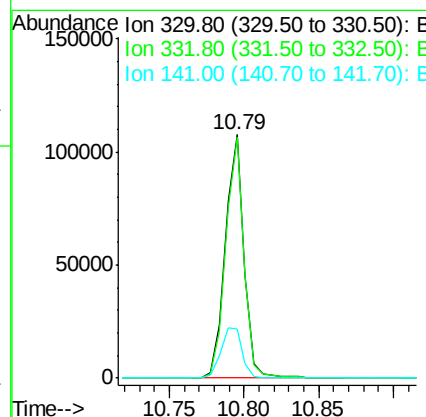
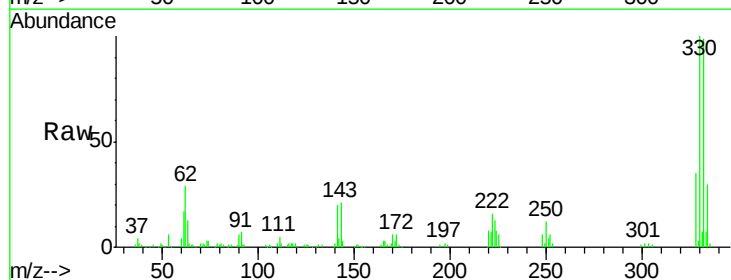
Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-32

Tgt Ion:164 Resp: 57937  
 Ion Ratio Lower Upper  
 164 100  
 162 98.6 86.1 129.1  
 160 43.7 38.3 57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 142.230 ng  
 RT: 10.79 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF106754.D  
 Acq: 23 Jun 2018 12:09

Tgt Ion:330 Resp: 95508  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 77.0 115.6  
 141 23.2 29.9 44.9#

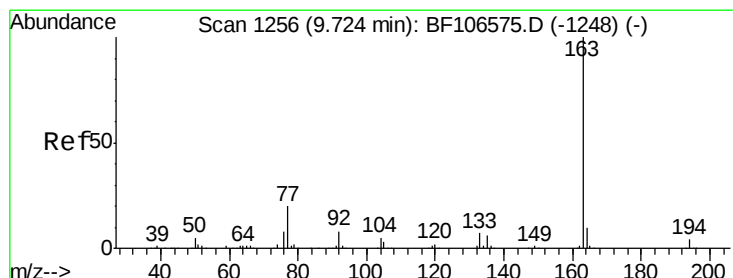
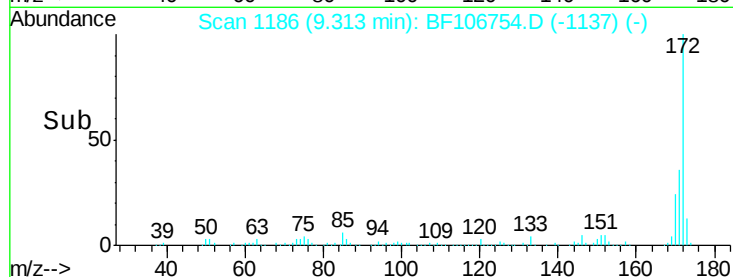
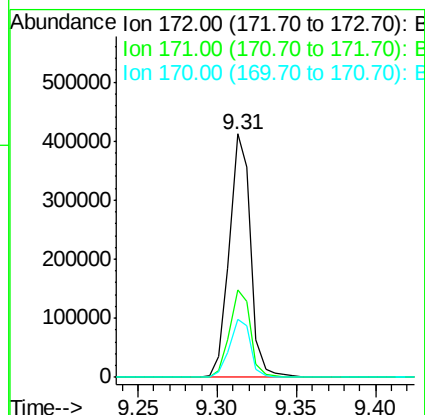
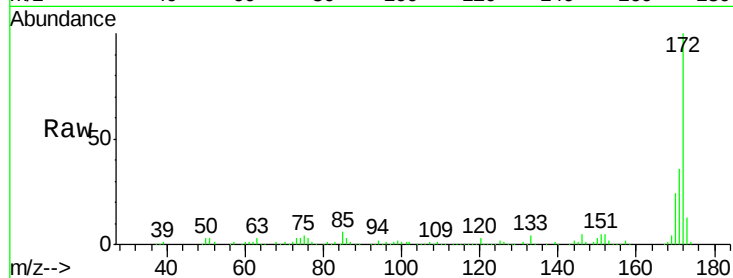




#44  
 2-Fluorobiphenyl  
 Concen: 118.024 ng  
 RT: 9.31 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF106754.D  
 Acq: 23 Jun 2018 12:09

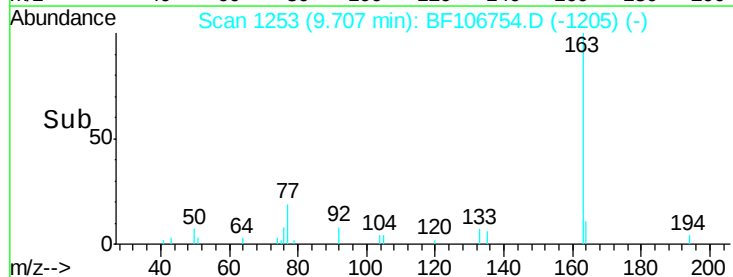
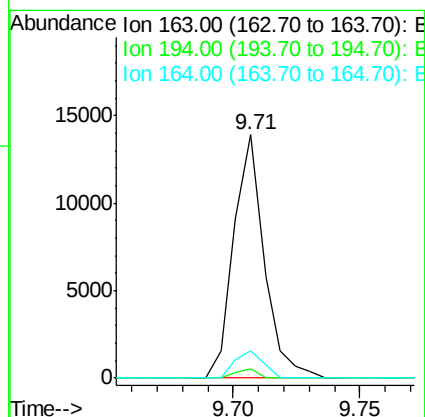
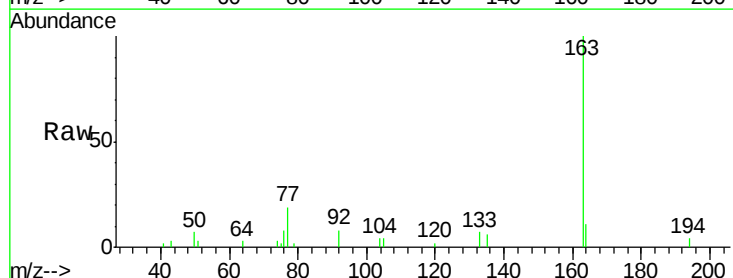
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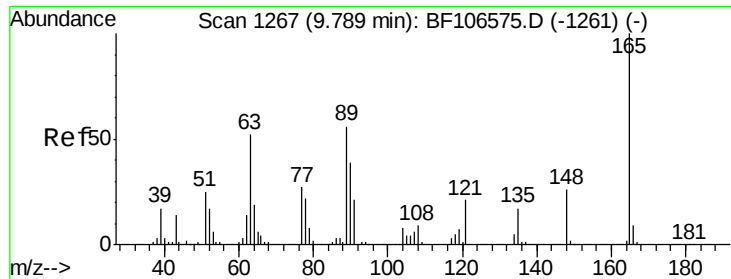
Tgt Ion:172 Resp: 384368  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.7 44.5  
 170 24.0 19.6 29.4



#49  
 Dimethylphthalate  
 Concen: 2.678 ng  
 RT: 9.71 min Scan# 1253  
 Delta R.T. -0.02 min  
 Lab File: BF106754.D  
 Acq: 23 Jun 2018 12:09

Tgt Ion:163 Resp: 11637  
 Ion Ratio Lower Upper  
 163 100  
 194 3.8 2.7 4.1  
 164 11.3 8.2 12.2

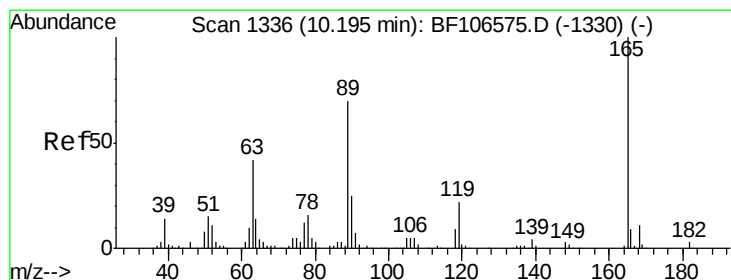
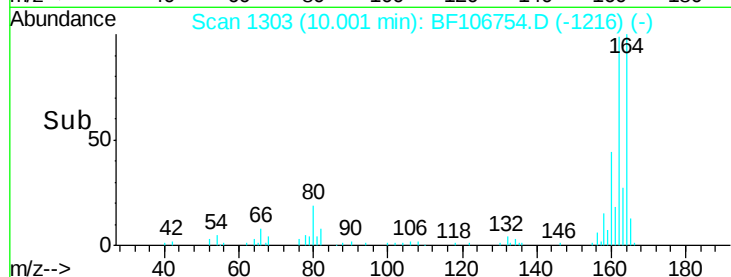
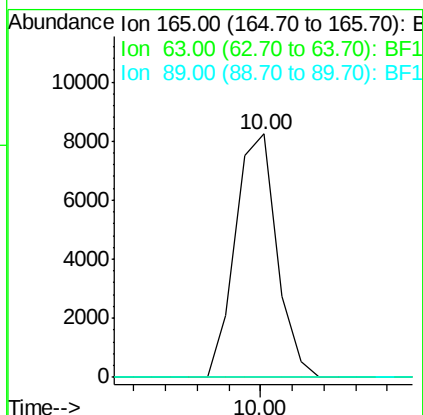
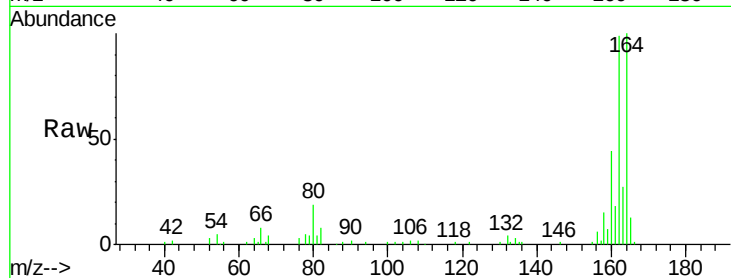




#50  
 2,6-Dinitrotoluene  
 Concen: 8.110 ng  
 RT: 10.00 min Scan# 1303  
 Delta R.T. 0.21 min  
 Lab File: BF106754.D  
 Acq: 23 Jun 2018 12:09

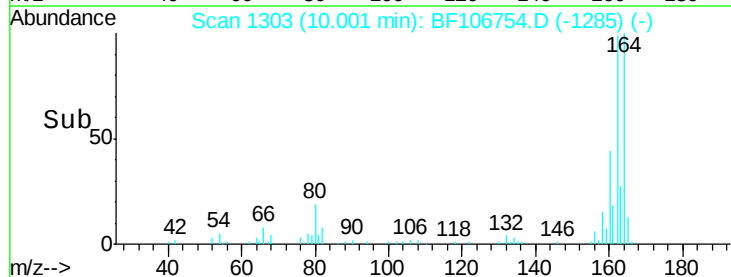
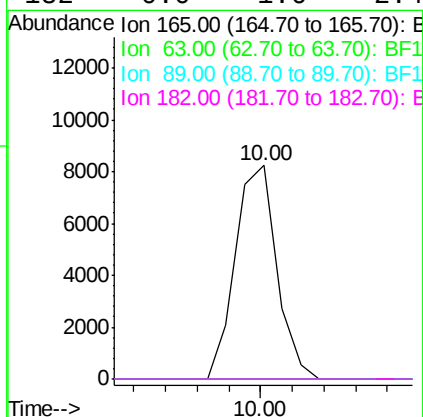
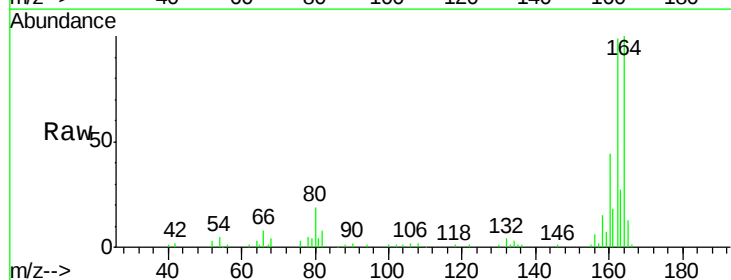
Instrument :  
 BNA\_F  
 ClientSampled :  
 W-32

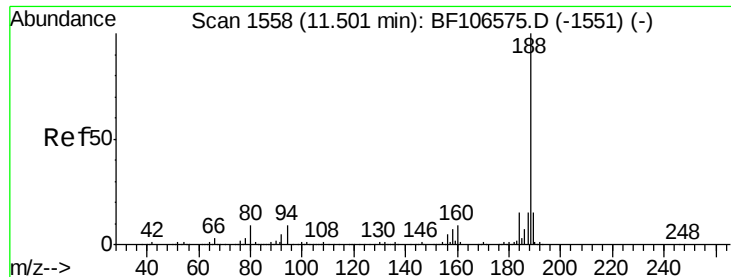
Tgt Ion:165 Resp: 7462  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 44.7 67.1#  
 89 0.0 44.0 66.0#



#56  
 2,4-Dinitrotoluene  
 Concen: 6.213 ng  
 RT: 10.00 min Scan# 1303  
 Delta R.T. -0.19 min  
 Lab File: BF106754.D  
 Acq: 23 Jun 2018 12:09

Tgt Ion:165 Resp: 7462  
 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#

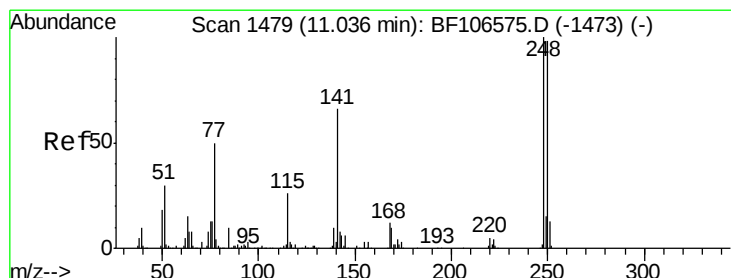
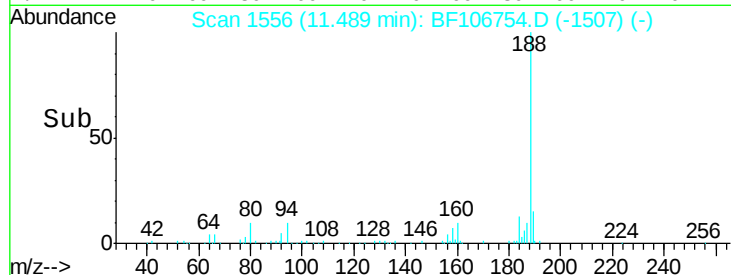
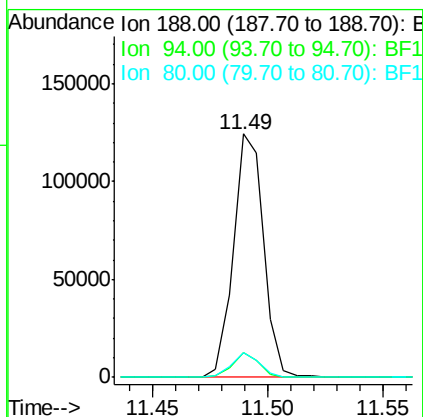
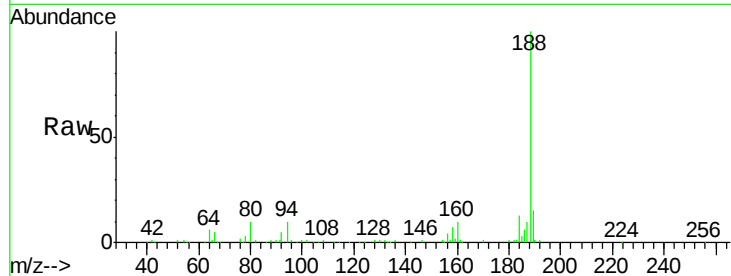




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF106754.D  
Acq: 23 Jun 2018 12:09

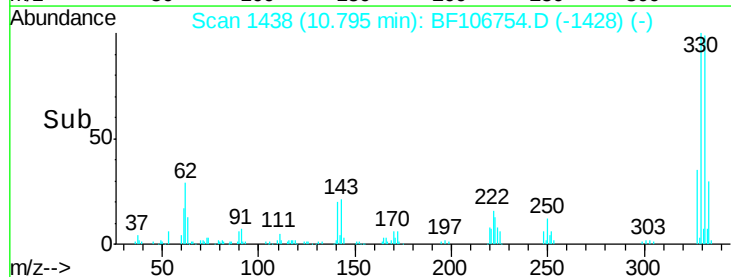
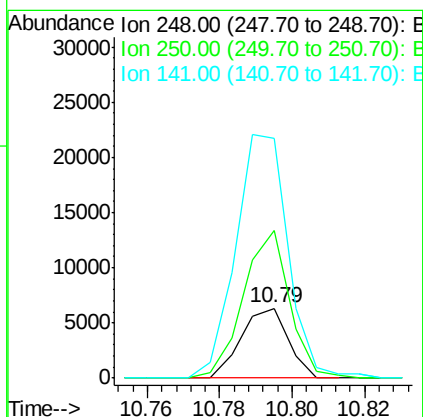
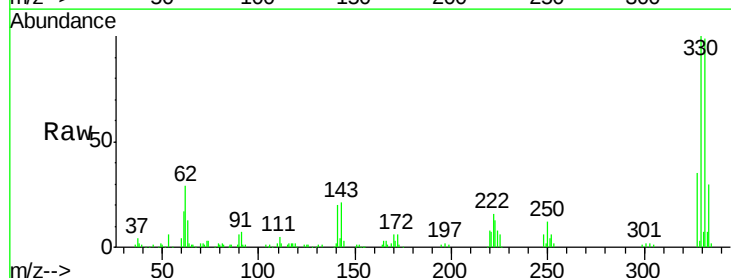
Instrument :  
BNA\_F  
ClientSampleId :  
W-32

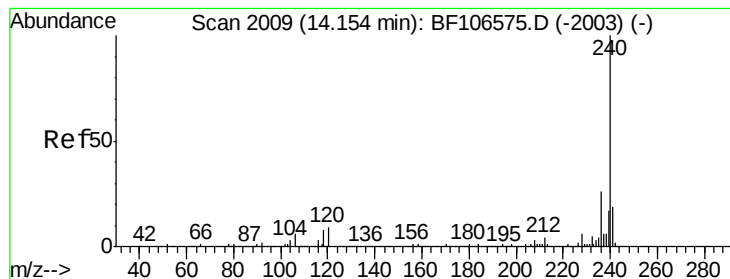
Tgt Ion:188 Resp: 112979  
Ion Ratio Lower Upper  
188 100  
94 10.0 8.5 12.7  
80 10.4 9.2 13.8



#66  
4-Bromophenyl-phenylether  
Concen: 4.217 ng  
RT: 10.79 min Scan# 1438  
Delta R.T. -0.24 min  
Lab File: BF106754.D  
Acq: 23 Jun 2018 12:09

Tgt Ion:248 Resp: 5686  
Ion Ratio Lower Upper  
248 100  
250 210.0 76.9 115.3#  
141 342.1 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF106754.D

Acq: 23 Jun 2018 12:09

Instrument :

BNA\_F

ClientSampleId :

W-32

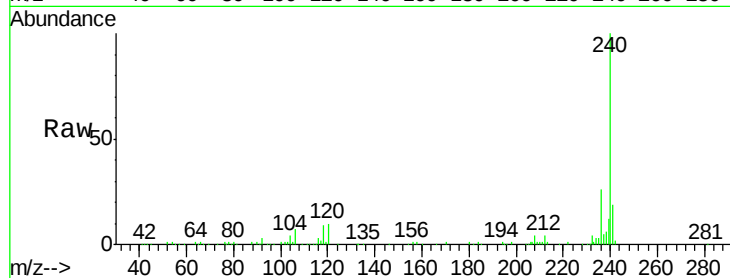
Tgt Ion:240 Resp: 129508

Ion Ratio Lower Upper

240 100

120 9.8 9.5 14.3

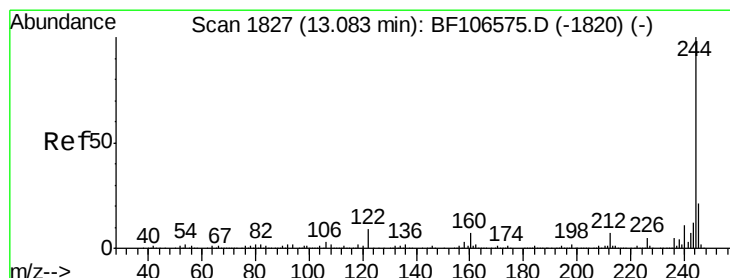
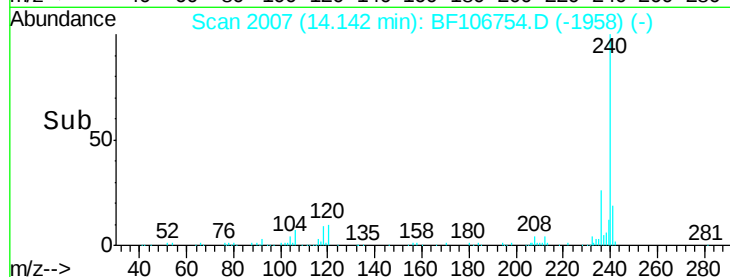
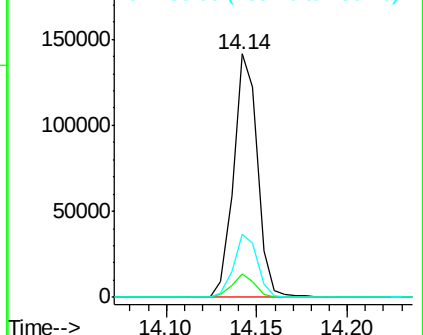
236 26.1 20.7 31.1



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: 91.511 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106754.D

Acq: 23 Jun 2018 12:09

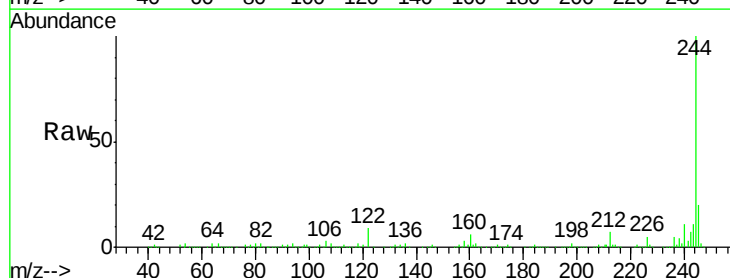
Tgt Ion:244 Resp: 489263

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

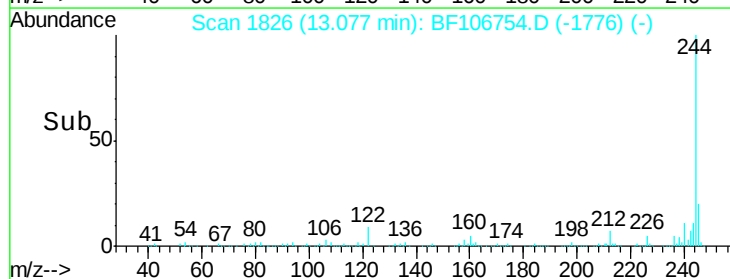
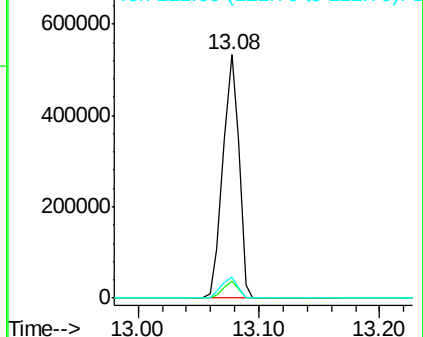
122 8.8 11.0 16.4#

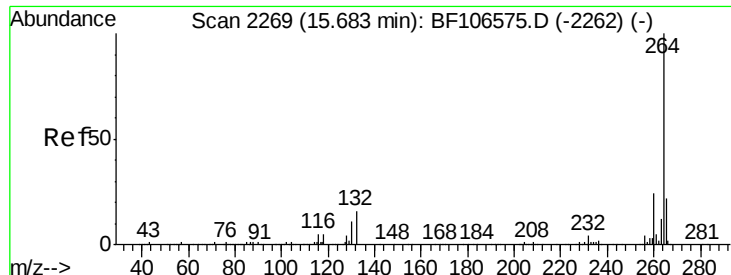


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

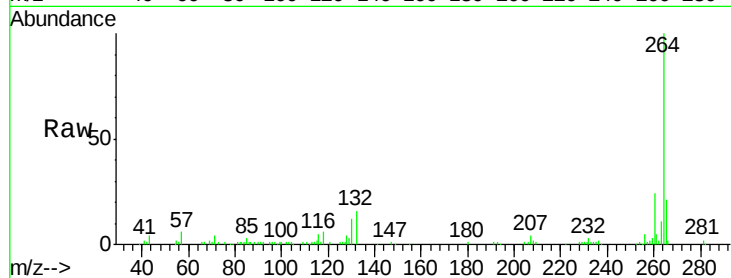




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.68 min Scan# 2269  
Delta R.T. -0.01 min  
Lab File: BF106754.D  
Acq: 23 Jun 2018 12:09

Instrument :  
BNA\_F  
ClientSampleId :  
W-32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.2  | 28.8  |
| 265     | 21.1  | 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

