

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\  
 Data File : BF107099.D  
 Acq On : 3 Jul 2018 23:55  
 Operator : JU/SJ  
 Sample : J3812-02  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 04 00:35:23 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

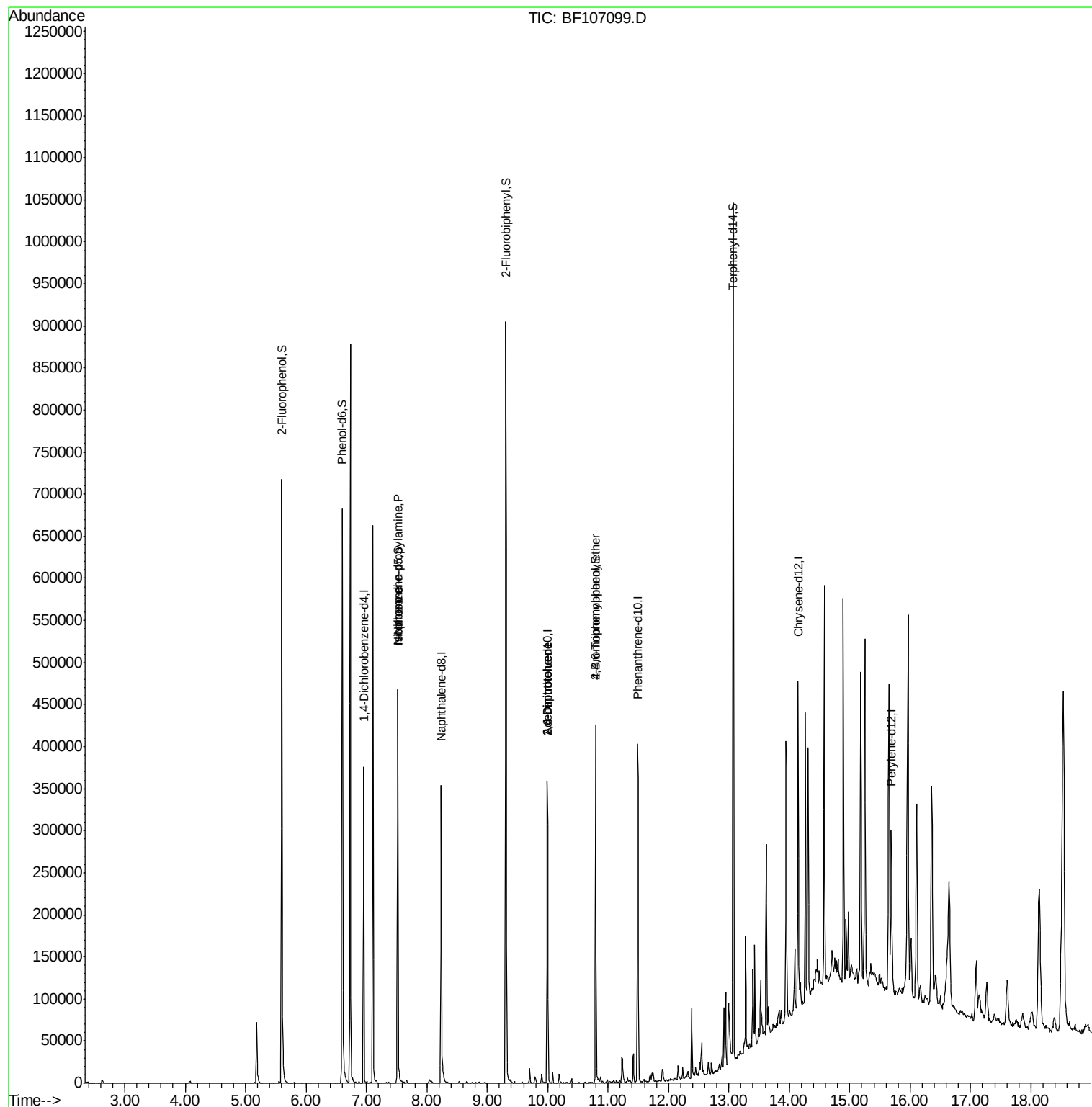
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 51849    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.24  | 136  | 181756   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 10.00 | 164  | 80354    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.49 | 188  | 162792   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.15 | 240  | 136498   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.69 | 264  | 99274    | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 220498   | 72.01  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.60  | 99   | 264266   | 69.11  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 149120   | 45.59  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.80 | 330  | 66219    | 71.10  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.31  | 172  | 297060   | 57.87  | ng    | -0.02    |
| 78) Terphenyl-d14              | 13.07 | 244  | 374331   | 66.43  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 18951    | 7.519  | ng    | # 73     |
| 25) Isophorone                 | 7.52  | 82   | 149141   | 25.878 | ng    | # 64     |
| 50) 2,6-Dinitrotoluene         | 10.00 | 165  | 9821     | 7.696  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 9821     | 5.896  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 4040     | 2.079  | ng    | # 1      |

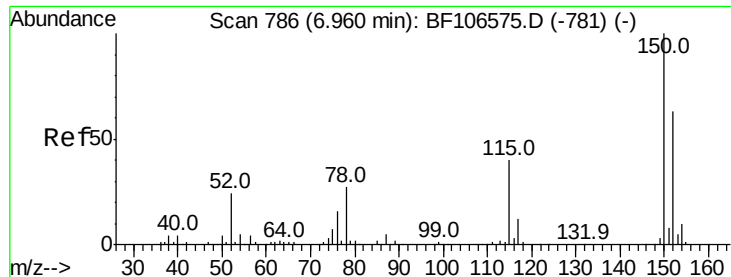
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\  
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Sample : J3812-02  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Jul 04 00:35:23 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



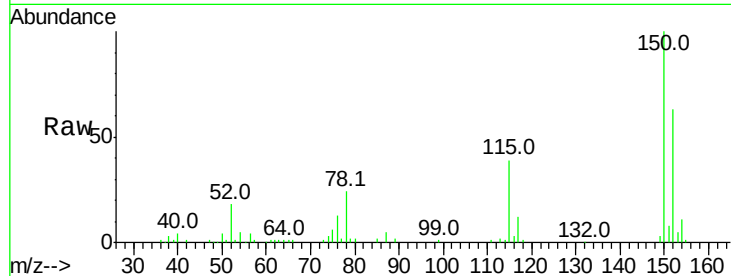


#1

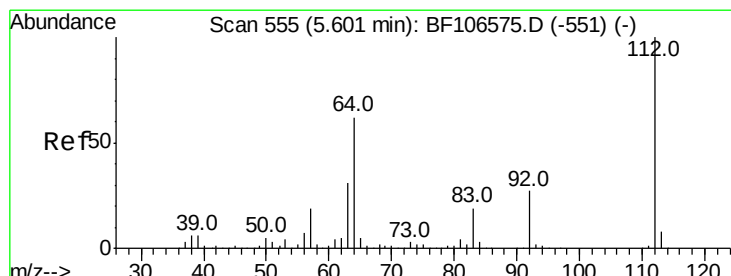
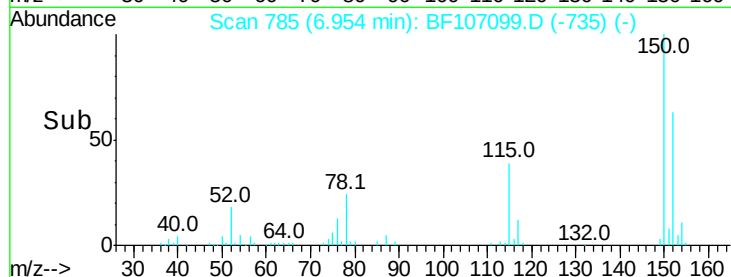
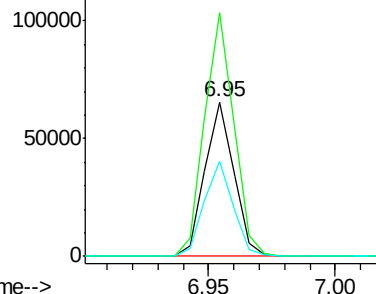
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF107099.D  
Acq: 3 Jul 2018 23:55

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 51849  
Ion Ratio Lower Upper  
152 100  
150 158.0 124.6 186.8  
115 61.8 50.1 75.1



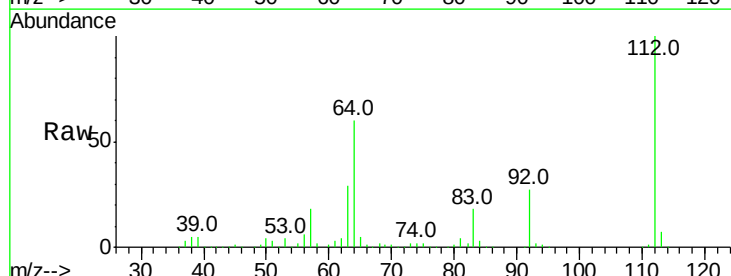
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



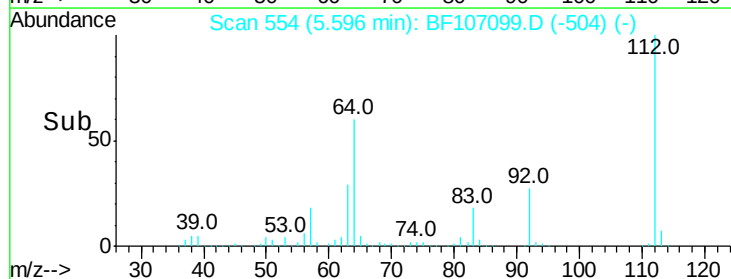
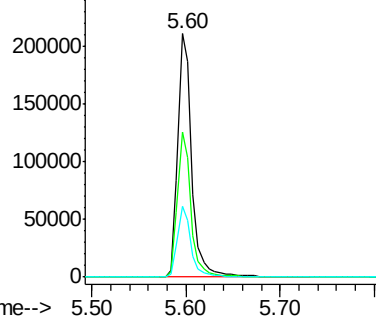
#5

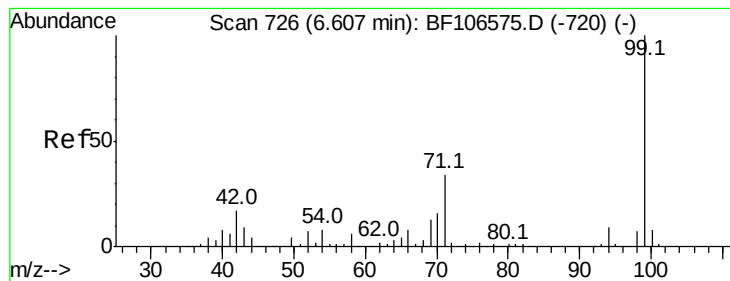
2-Fluorophenol  
Concen: 72.012 ng  
RT: 5.60 min Scan# 554  
Delta R.T. -0.01 min  
Lab File: BF107099.D  
Acq: 3 Jul 2018 23:55

Tgt Ion:112 Resp: 220498  
Ion Ratio Lower Upper  
112 100  
64 59.8 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: 69.111 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107099.D

Acq: 3 Jul 2018 23:55

Instrument :

BNA\_F

ClientSampleId :

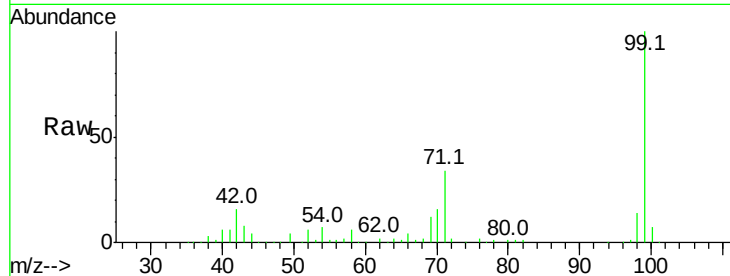
Tot Ion: 99 Resp: 264266

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

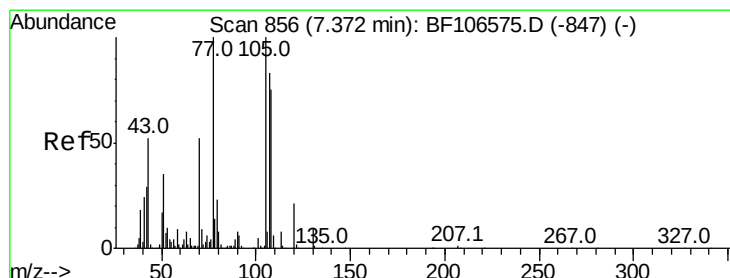
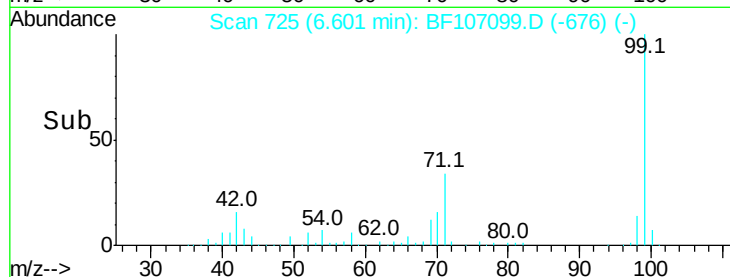
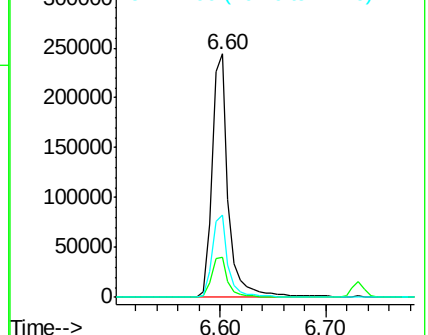
71 34.1 25.4 38.0



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: 7.519 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF107099.D

Acq: 3 Jul 2018 23:55

Tgt Ion: 70 Resp: 18951

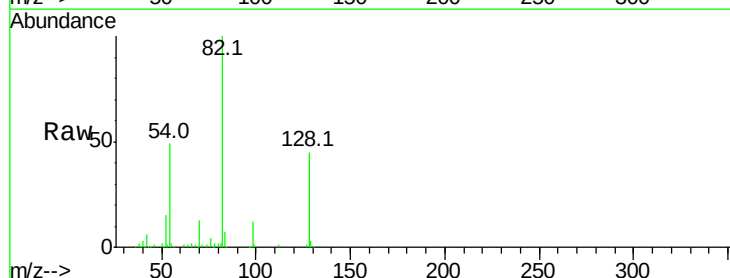
Ion Ratio Lower Upper

70 100

42 42.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

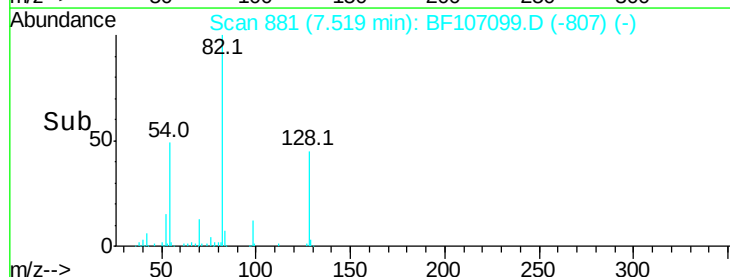
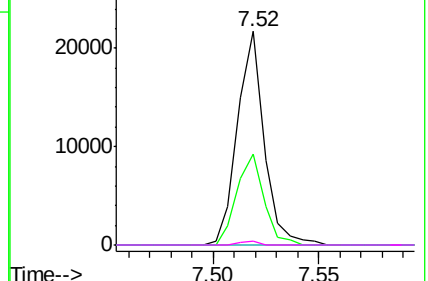


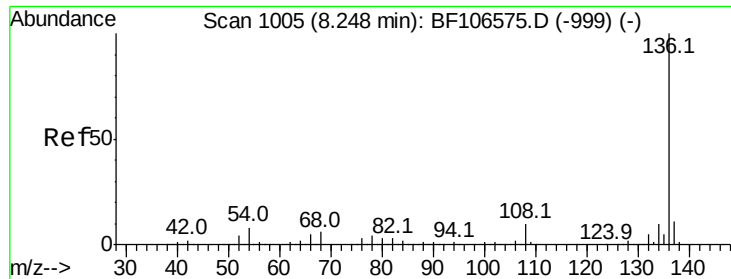
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

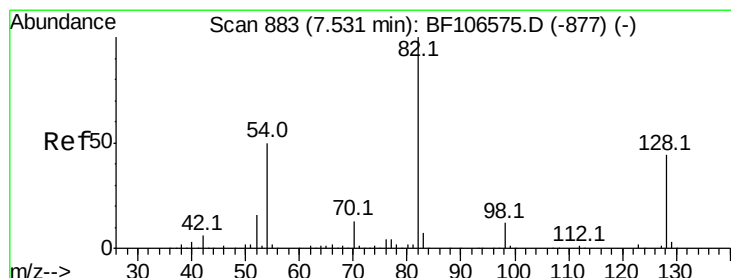
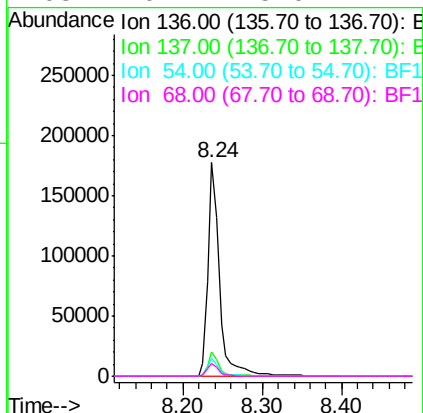
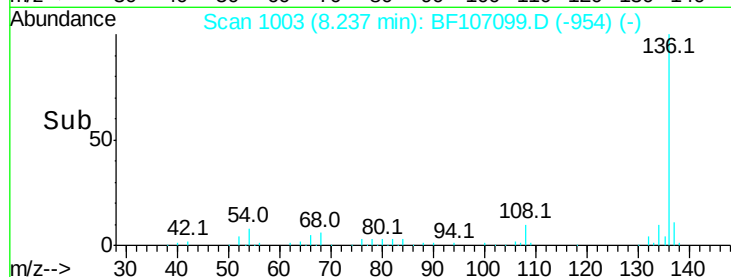
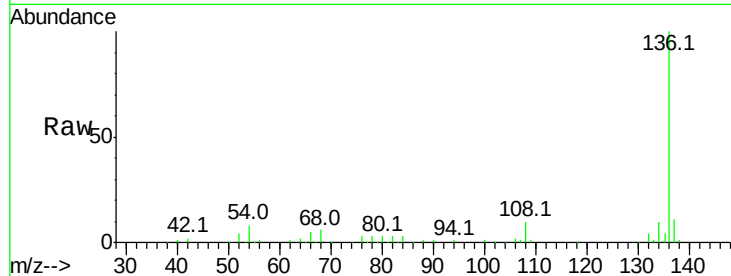




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.24 min Scan# 1003  
Delta R.T. -0.01 min  
Lab File: BF107099.D  
Acq: 3 Jul 2018 23:55

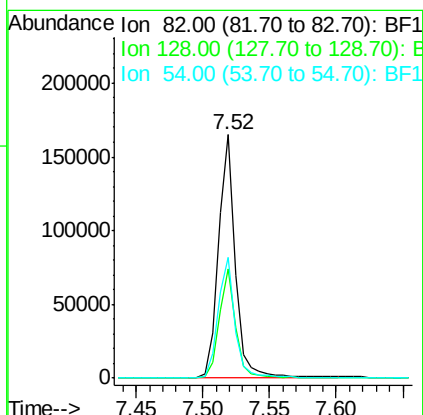
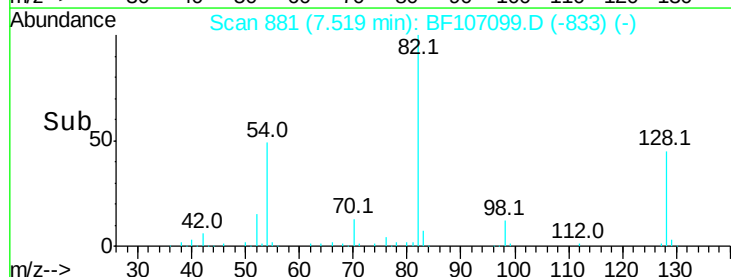
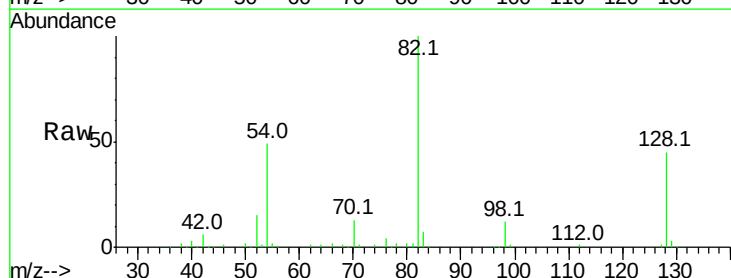
Instrument :  
BNA\_F  
ClientSampled :

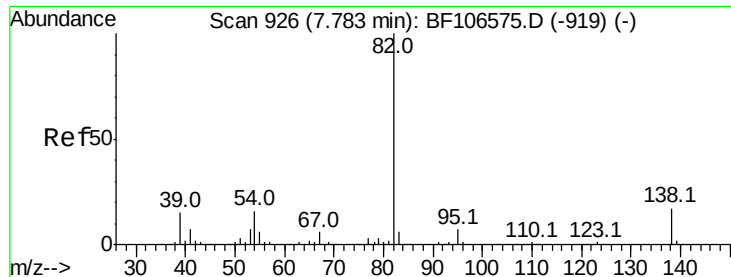
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 181756 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.9   | 13.3   |
| 54       | 8.4   | 6.6   | 9.8    |
| 68       | 6.1   | 5.0   | 7.4    |



#23  
Nitrobenzene-d5  
Concen: 45.595 ng  
RT: 7.52 min Scan# 881  
Delta R.T. -0.02 min  
Lab File: BF107099.D  
Acq: 3 Jul 2018 23:55

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 149120 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.7  | 36.1  | 54.1   |
| 54       | 49.5  | 41.4  | 62.2   |

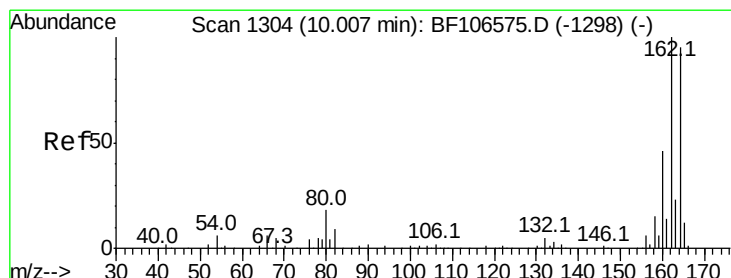
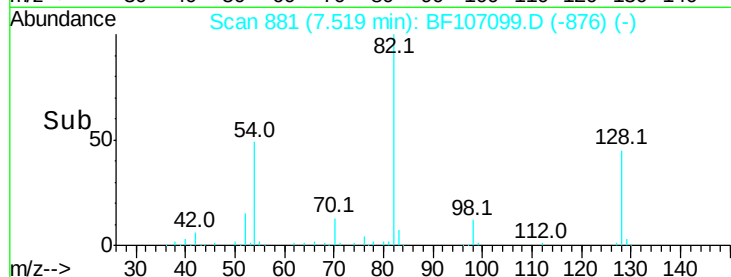
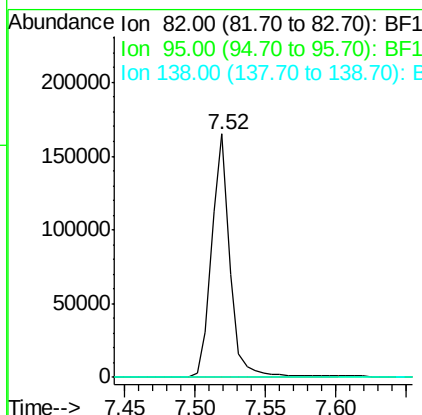
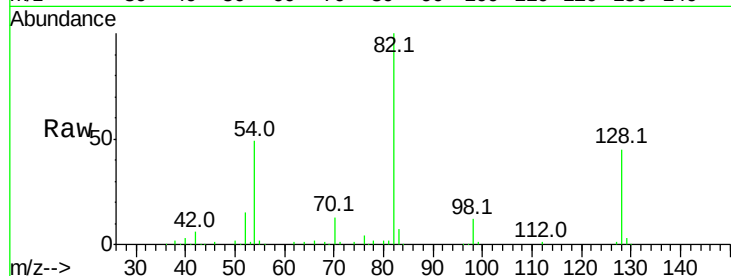




#25  
Isophorone  
Concen: 25.878 ng  
RT: 7.52 min Scan# 881  
Delta R.T. -0.27 min  
Lab File: BF107099.D  
Acq: 3 Jul 2018 23:55

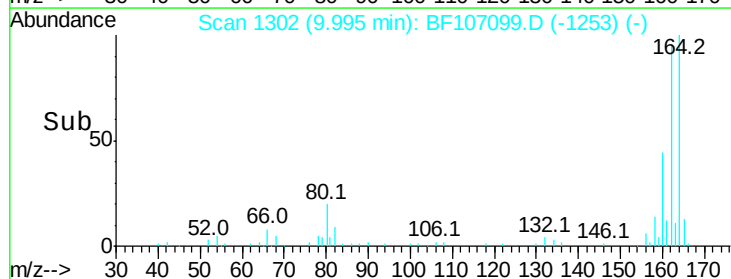
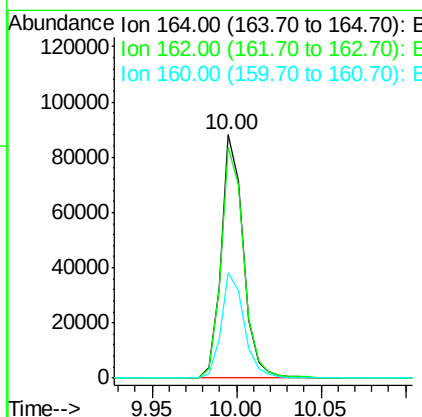
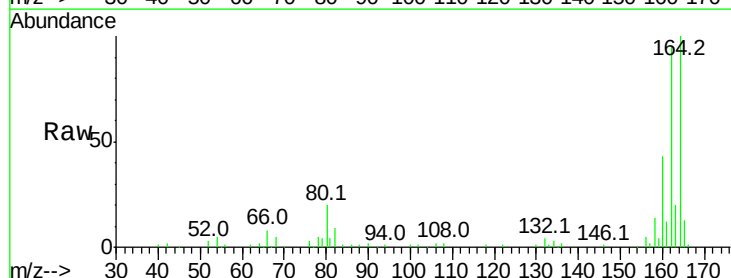
Instrument :  
BNA\_F  
ClientSampleId :

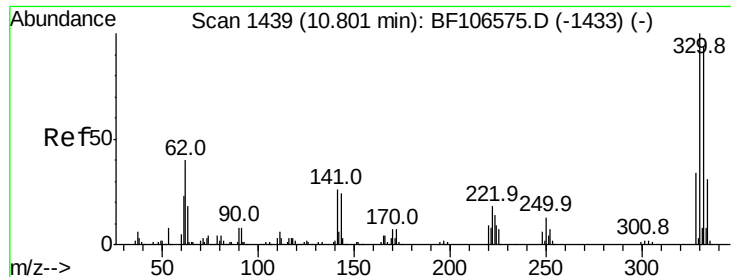
Tot Ion: 82 Resp: 149141  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.2 7.8#  
138 0.0 14.9 22.3#



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.00 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: BF107099.D  
Acq: 3 Jul 2018 23:55

Tgt Ion:164 Resp: 80354  
Ion Ratio Lower Upper  
164 100  
162 94.6 86.1 129.1  
160 43.4 38.3 57.5

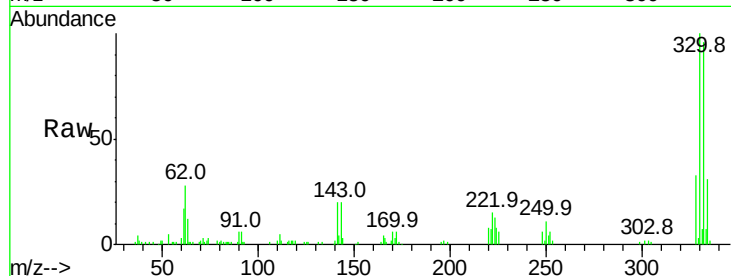




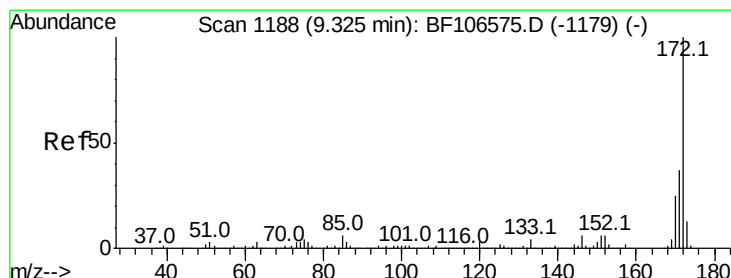
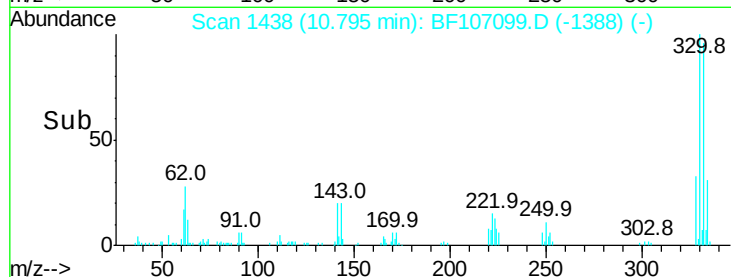
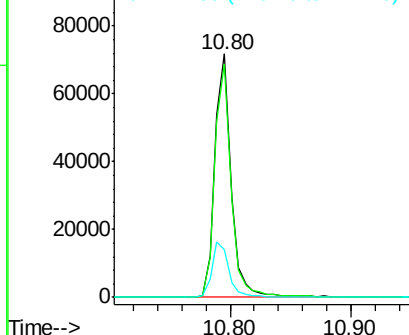
#41  
 2,4,6-Tribromophenol  
 Concen: 71.102 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF107099.D  
 Acq: 3 Jul 2018 23:55

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:330 Resp: 66219  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 77.0 115.6  
 141 23.6 29.9 44.9#

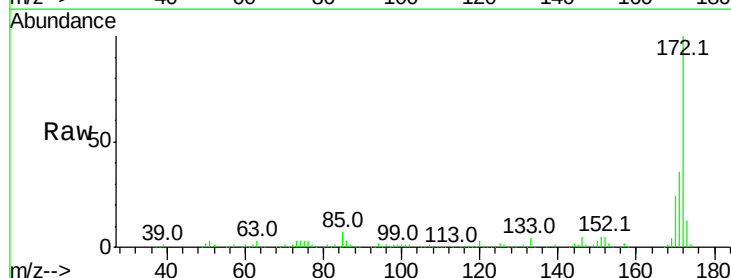


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

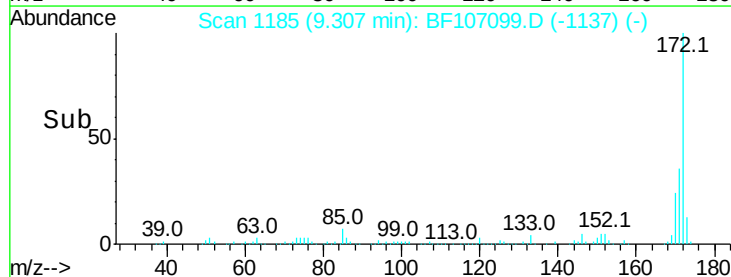
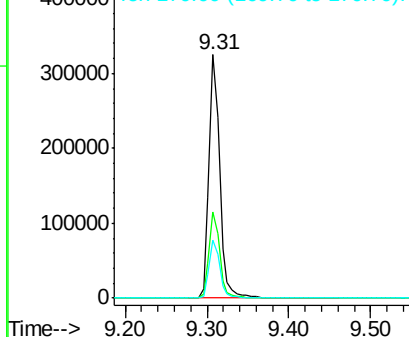


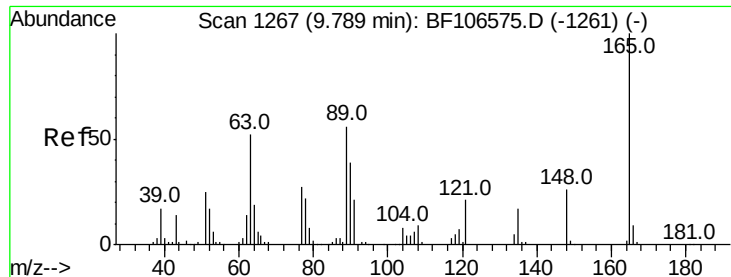
#44  
 2-Fluorobiphenyl  
 Concen: 57.866 ng  
 RT: 9.31 min Scan# 1185  
 Delta R.T. -0.02 min  
 Lab File: BF107099.D  
 Acq: 3 Jul 2018 23:55

Tgt Ion:172 Resp: 297060  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 29.7 44.5  
 170 23.6 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

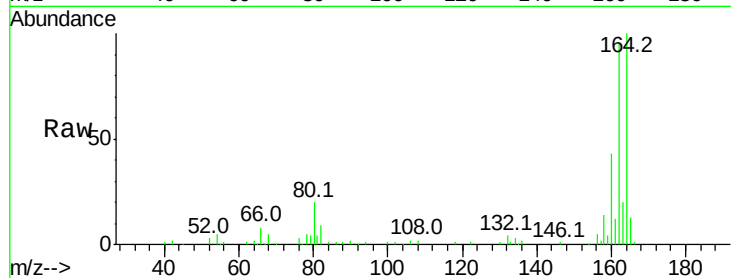




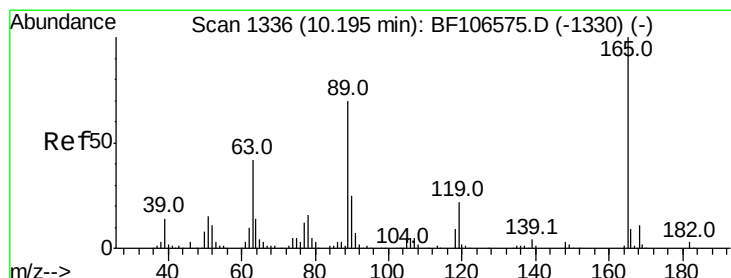
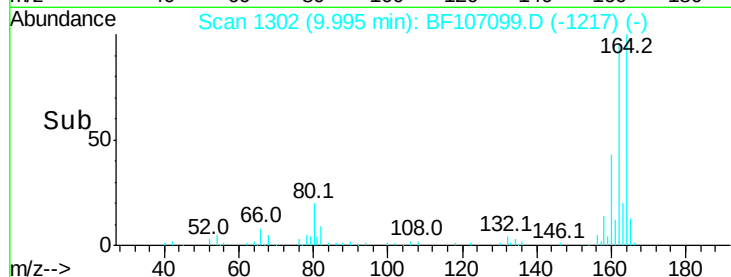
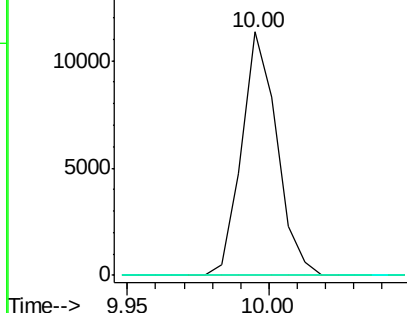
#50  
 2,6-Dinitrotoluene  
 Concen: 7.696 ng  
 RT: 10.00 min Scan# 1302  
 Delta R.T. 0.20 min  
 Lab File: BF107099.D  
 Acq: 3 Jul 2018 23:55

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:165 Resp: 9821  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 44.7 67.1#  
 89 0.0 44.0 66.0#



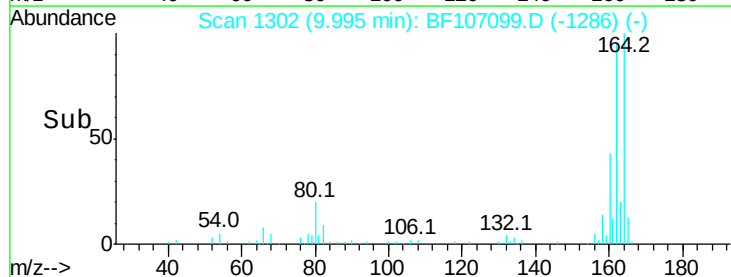
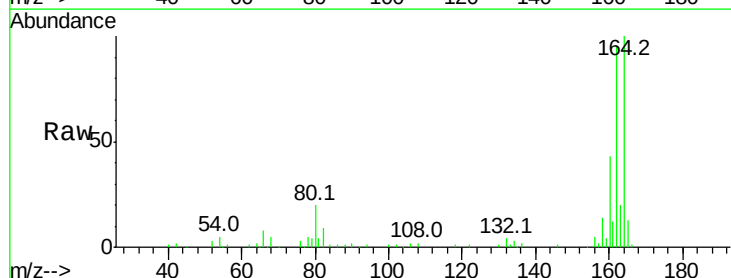
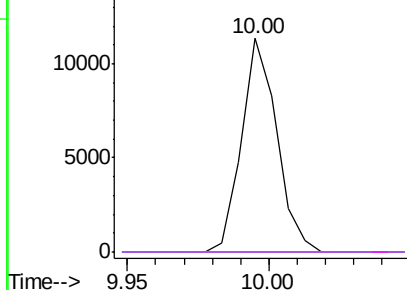
Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1



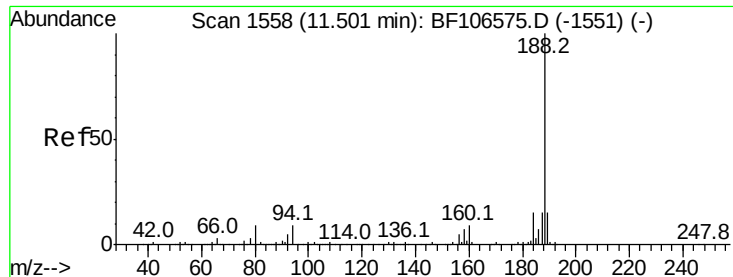
#56  
 2,4-Dinitrotoluene  
 Concen: 5.896 ng  
 RT: 10.00 min Scan# 1302  
 Delta R.T. -0.21 min  
 Lab File: BF107099.D  
 Acq: 3 Jul 2018 23:55

Tgt Ion:165 Resp: 9821  
 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



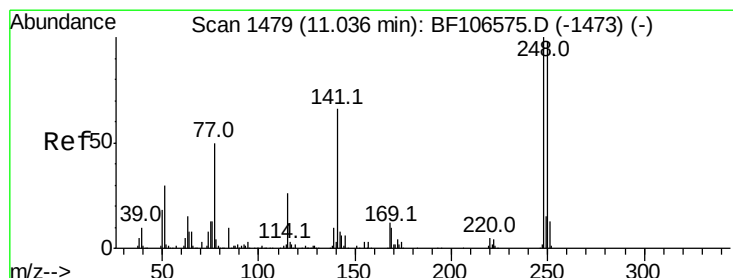
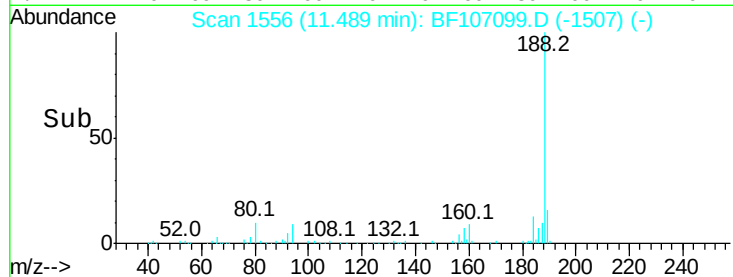
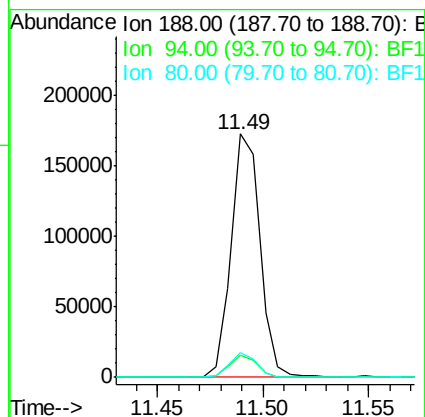
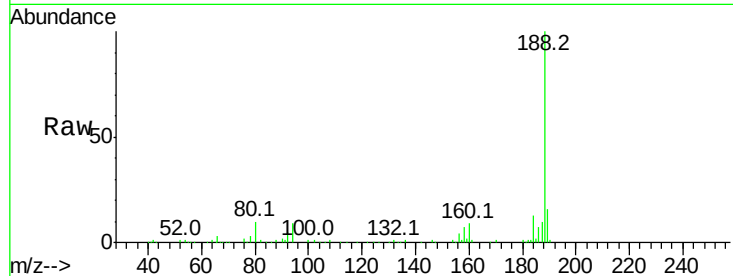




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF107099.D  
Acq: 3 Jul 2018 23:55

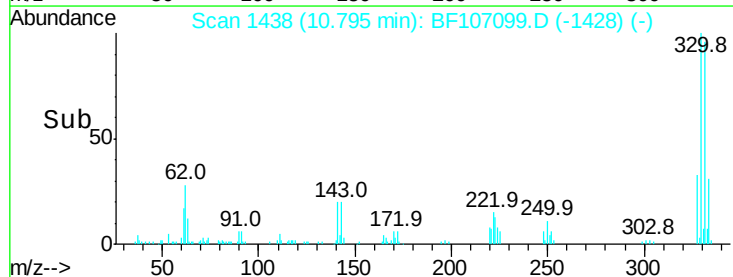
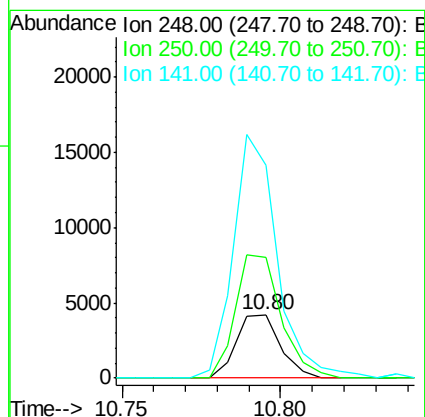
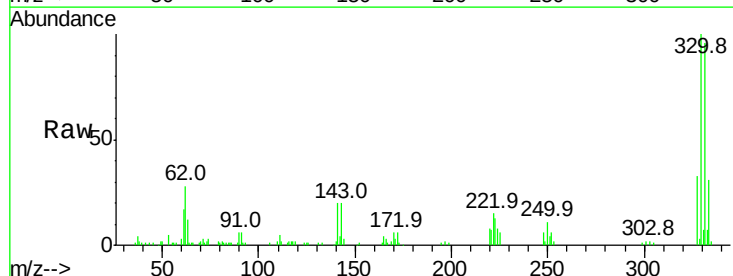
Instrument :  
BNA\_F  
ClientSampleId :

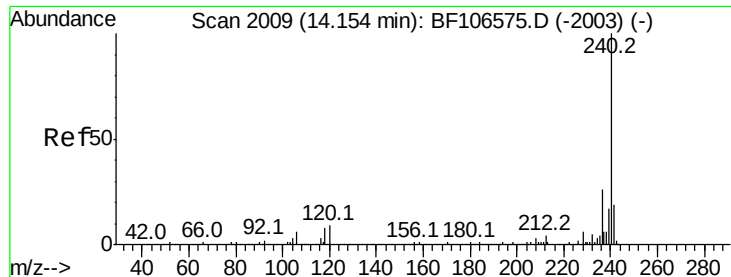
Tot Ion:188 Resp: 162792  
Ion Ratio Lower Upper  
188 100  
94 9.2 8.5 12.7  
80 10.1 9.2 13.8



#66  
4-Bromophenyl-phenylether  
Concen: 2.079 ng  
RT: 10.80 min Scan# 1438  
Delta R.T. -0.24 min  
Lab File: BF107099.D  
Acq: 3 Jul 2018 23:55

Tgt Ion:248 Resp: 4040  
Ion Ratio Lower Upper  
248 100  
250 190.1 76.9 115.3#  
141 335.7 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107099.D

Acq: 3 Jul 2018 23:55

Instrument :

BNA\_F

ClientSampleId :

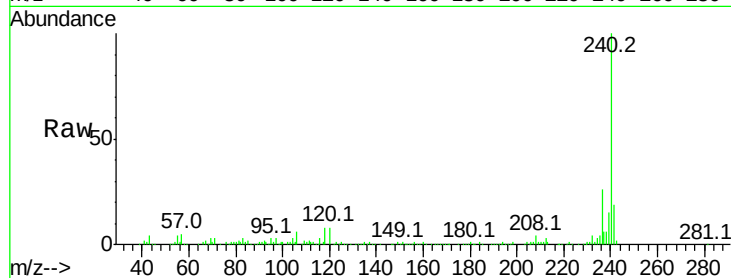
Tot Ion:240 Resp: 136498

Ion Ratio Lower Upper

240 100

120 8.3 9.5 14.3#

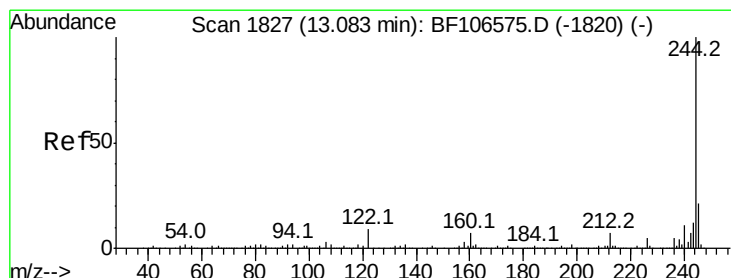
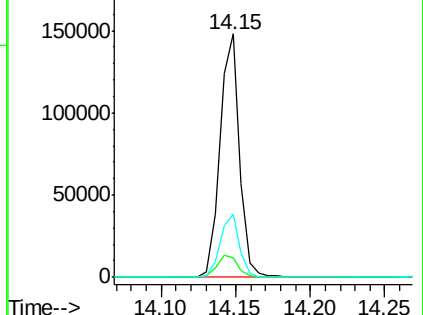
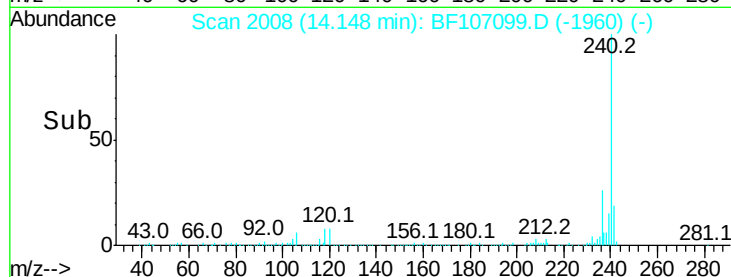
236 25.9 20.7 31.1



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: 66.429 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107099.D

Acq: 3 Jul 2018 23:55

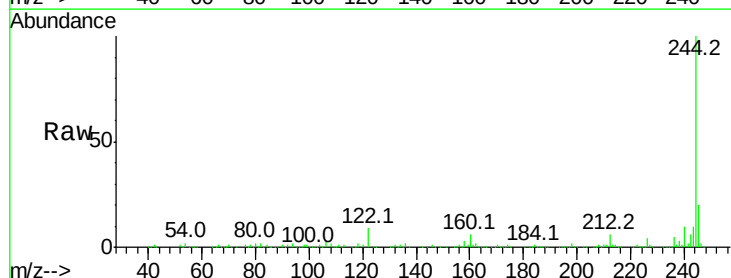
Tgt Ion:244 Resp: 374331

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

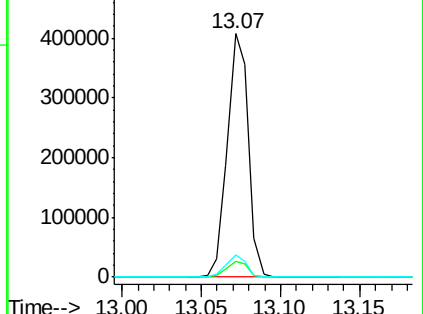
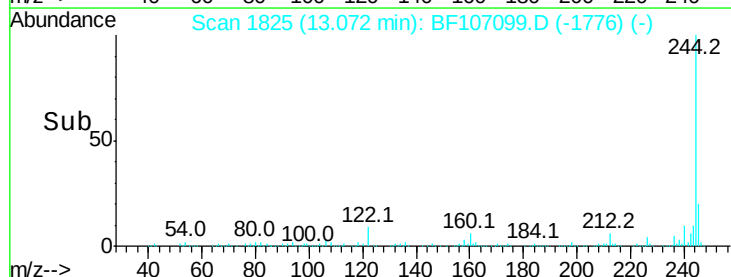
122 9.2 11.0 16.4#

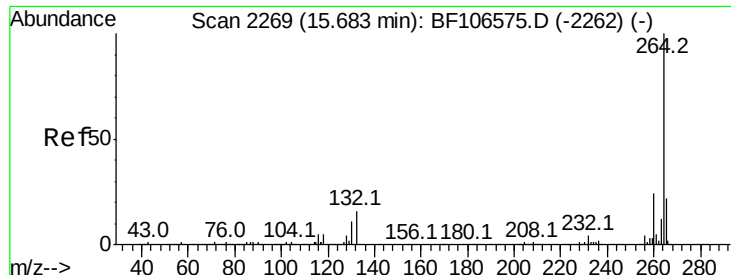


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

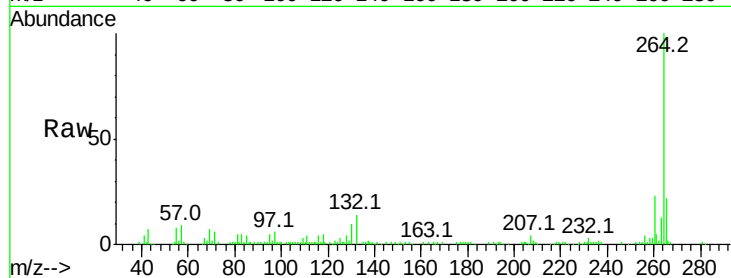




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.69 min Scan# 2270  
 Delta R.T. -0.03 min  
 Lab File: BF107099.D  
 Acq: 3 Jul 2018 23:55

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 264   | Resp: | 99274 |
| Ion      | Ratio | Lower | Upper |
| 264      | 100   |       |       |
| 260      | 23.0  | 19.2  | 28.8  |
| 265      | 21.6  | 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

