

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\  
 Data File : BF107109.D  
 Acq On : 4 Jul 2018 4:24  
 Operator : JU/SJ  
 Sample : J3816-07  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 161-RED-BRICK

Quant Time: Jul 04 05:17:43 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

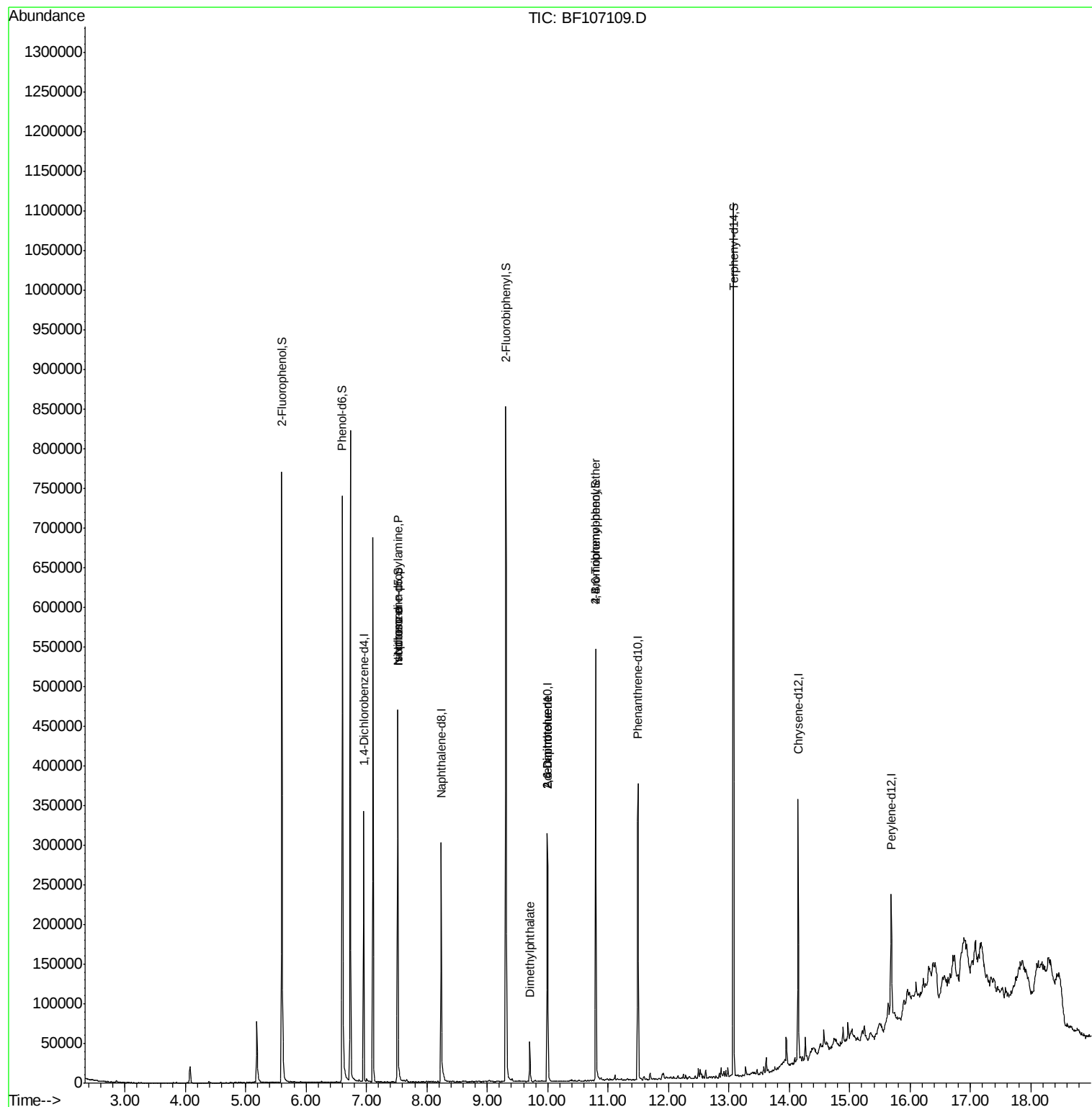
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 45928    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.24  | 136  | 154245   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10           | 10.00 | 164  | 70064    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.50 | 188  | 154458   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.15 | 240  | 130519   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.69 | 264  | 92975    | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 234915   | 86.61  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.60  | 99   | 272725   | 80.52  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 153131   | 55.17  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.80 | 330  | 78523    | 96.70  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.31  | 172  | 297022   | 68.97  | ng    | -0.02    |
| 78) Terphenyl-d14              | 13.08 | 244  | 427293   | 79.30  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 19947    | 8.934  | ng    | # 73     |
| 25) Isophorone                 | 7.52  | 82   | 153130   | 31.309 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.71  | 163  | 28279    | 5.381  | ng    | # 98     |
| 50) 2,6-Dinitrotoluene         | 10.00 | 165  | 8983     | 8.073  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 8983     | 6.185  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 4692     | 2.545  | ng    | # 1      |

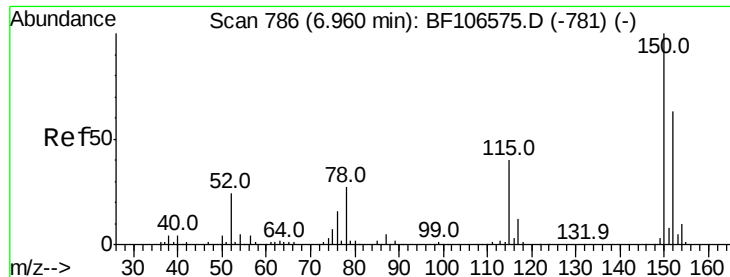
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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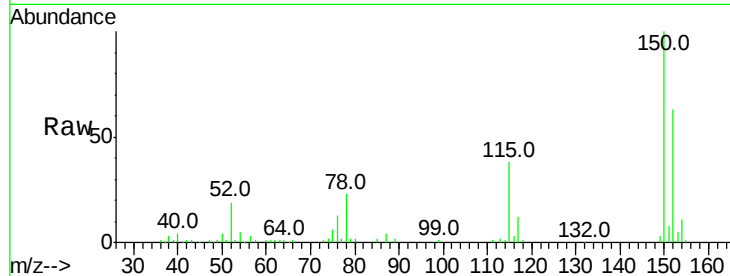


#1

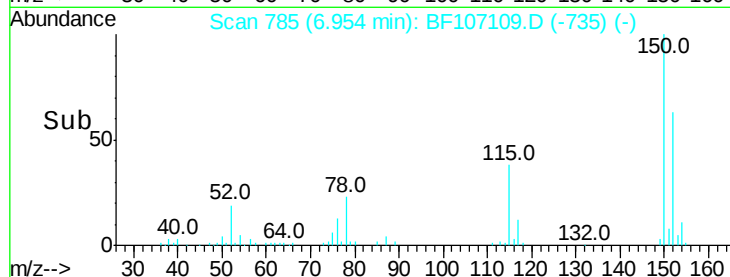
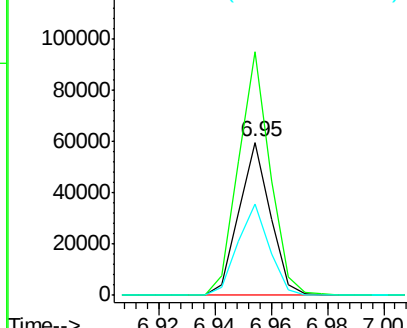
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.95 min Scan# 785  
 Delta R.T. -0.01 min  
 Lab File: BF107109.D  
 Acq: 4 Jul 2018 4:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 161-RED-BRICK

Tot Ion:152 Resp: 45928  
 Ion Ratio Lower Upper  
 152 100  
 150 159.4 124.6 186.8  
 115 59.8 50.1 75.1



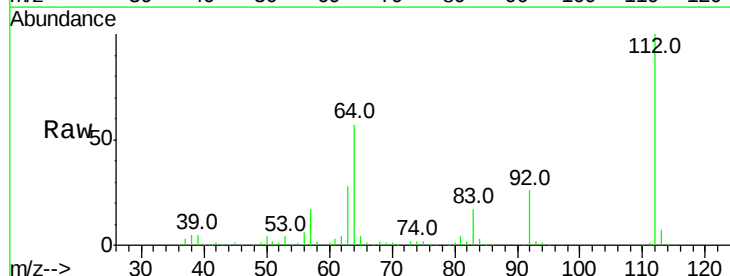
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



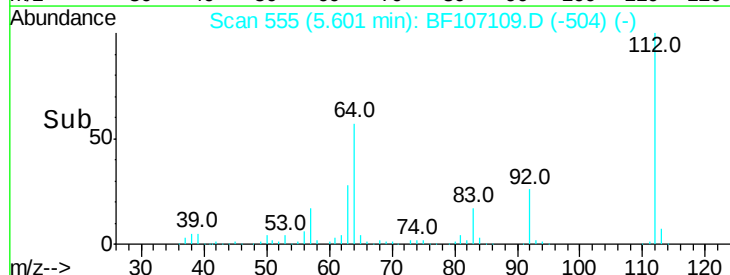
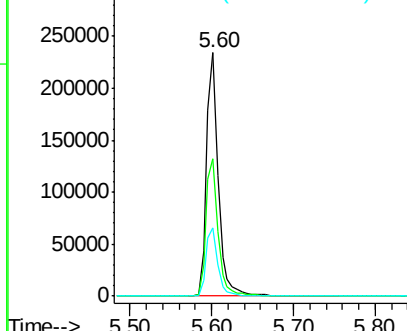
#5

2-Fluorophenol  
 Concen: 86.611 ng  
 RT: 5.60 min Scan# 555  
 Delta R.T. 0.00 min  
 Lab File: BF107109.D  
 Acq: 4 Jul 2018 4:24

Tgt Ion:112 Resp: 234915  
 Ion Ratio Lower Upper  
 112 100  
 64 56.6 47.9 71.9  
 63 28.1 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: 80.518 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107109.D

Acq: 4 Jul 2018 4:24

Instrument :

BNA\_F

ClientSampleId :

161-RED-BRICK

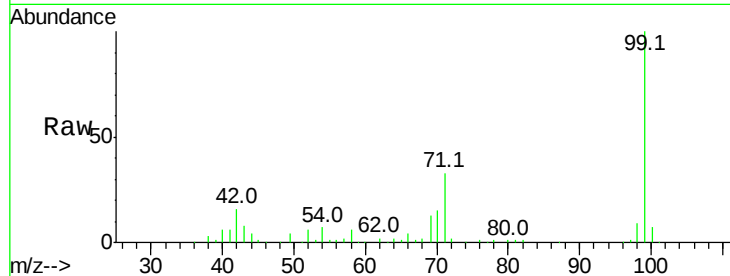
Tot Ion: 99 Resp: 272725

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

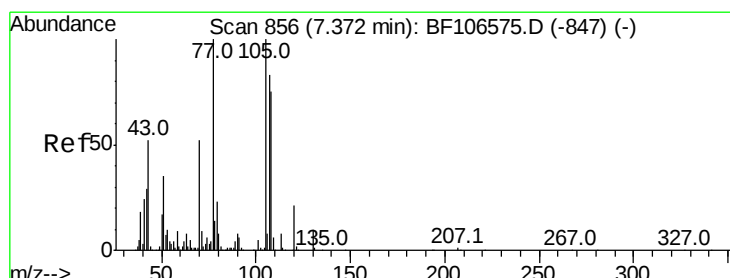
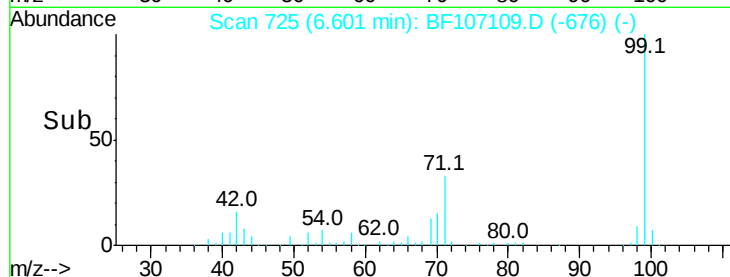
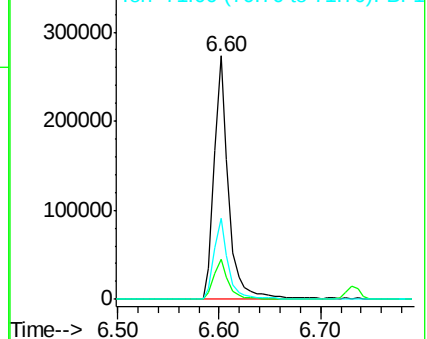
71 33.4 25.4 38.0



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: 8.934 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF107109.D

Acq: 4 Jul 2018 4:24

Tgt Ion: 70 Resp: 19947

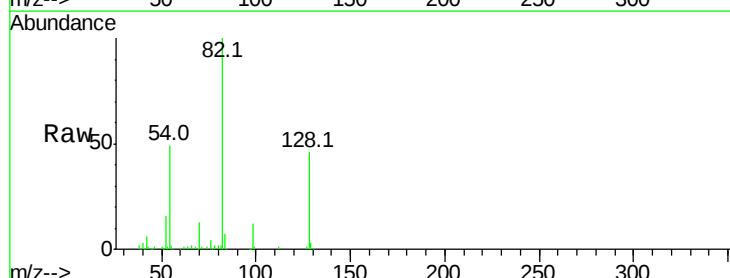
Ion Ratio Lower Upper

70 100

42 42.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

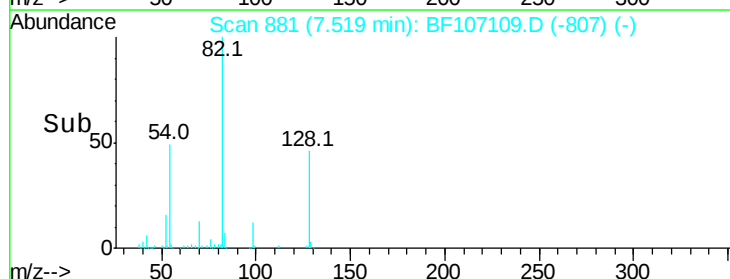
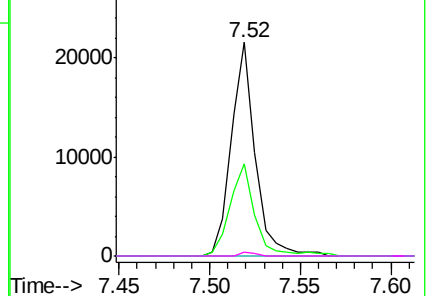


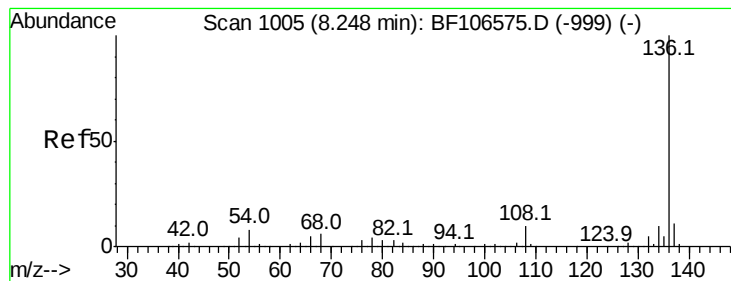
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF107109.D

Acq: 4 Jul 2018 4:24

Instrument :

BNA\_F

ClientSampleId :

161-RED-BRICK

Tot Ion:136 Resp: 154245

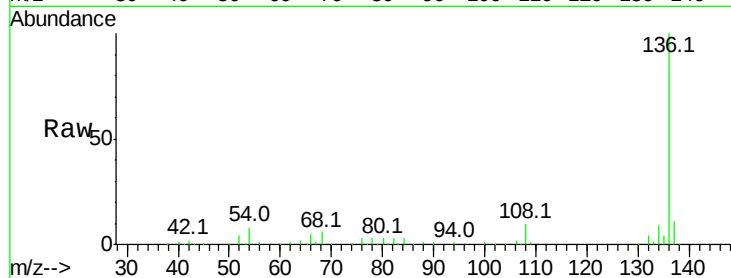
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 8.3 6.6 9.8

68 6.0 5.0 7.4

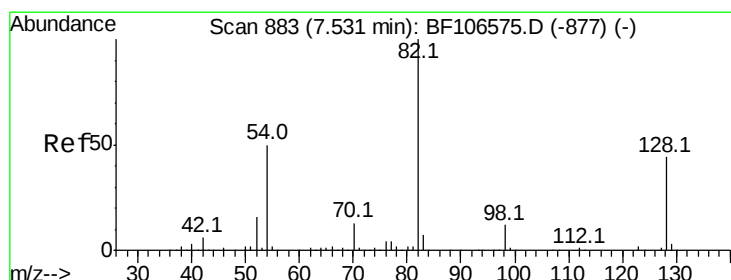
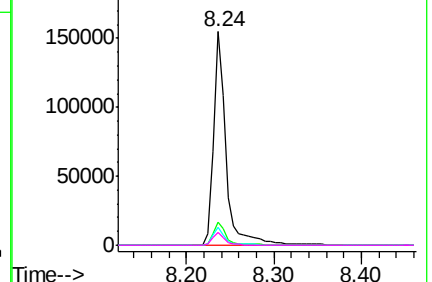
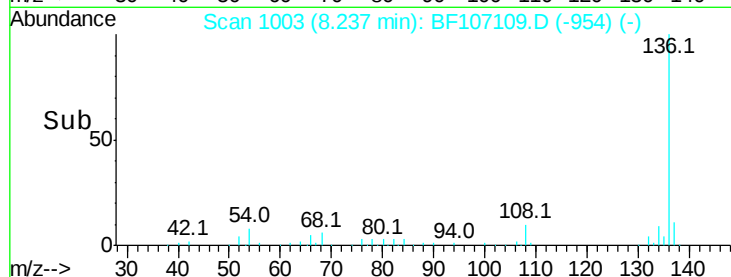


Abundance Ion 136.00 (135.70 to 136.70): E

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: 55.172 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF107109.D

Acq: 4 Jul 2018 4:24

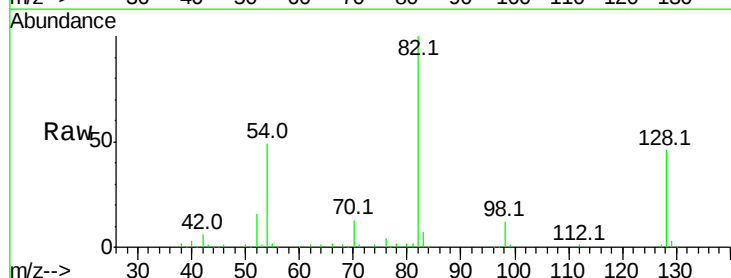
Tgt Ion: 82 Resp: 153131

Ion Ratio Lower Upper

82 100

128 45.8 36.1 54.1

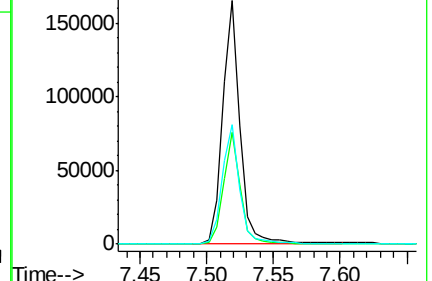
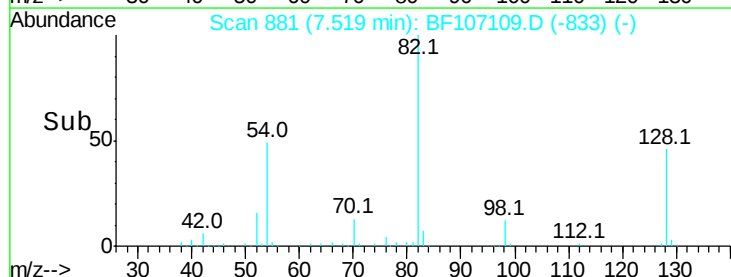
54 49.1 41.4 62.2

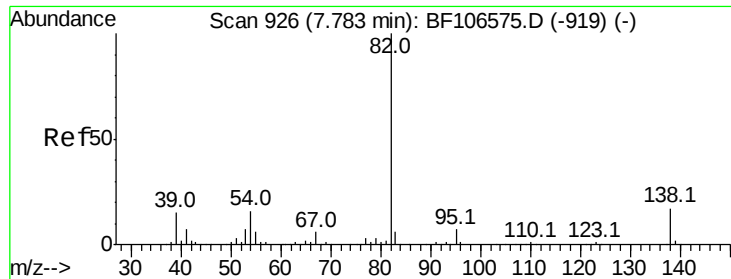


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.309 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF107109.D

Acq: 4 Jul 2018 4:24

Instrument :

BNA\_F

ClientSampleId :

161-RED-BRICK

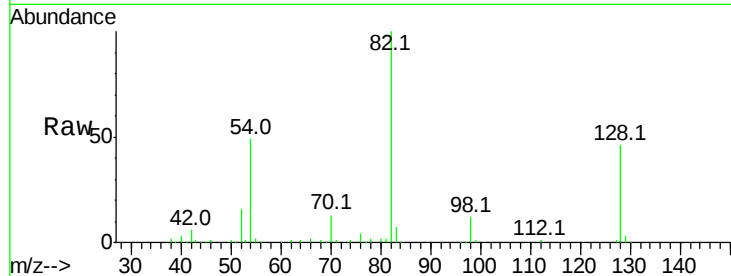
Tot Ion: 82 Resp: 153130

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

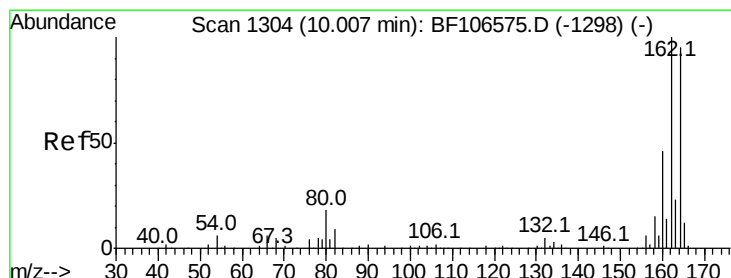
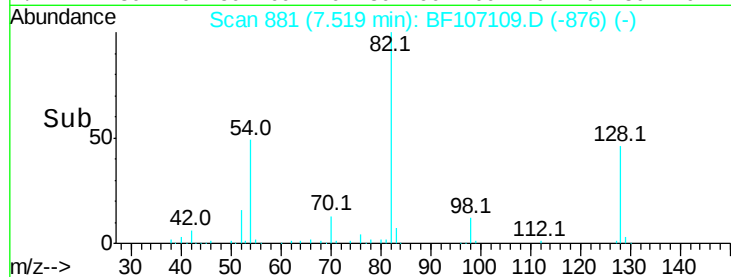
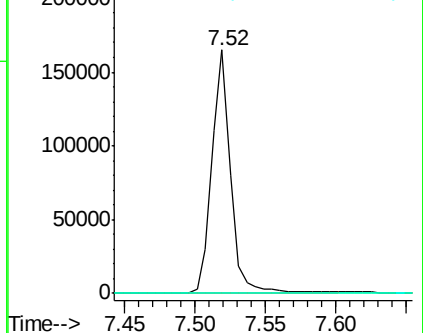
138 0.0 14.9 22.3#



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: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF107109.D

Acq: 4 Jul 2018 4:24

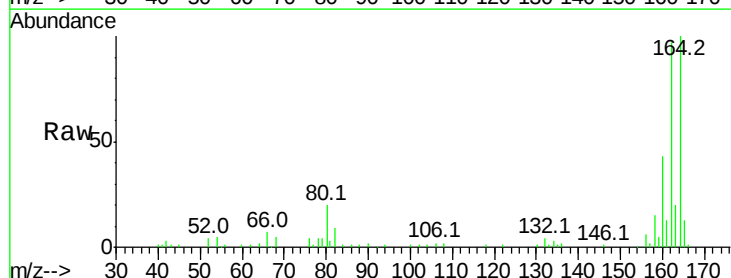
Tgt Ion:164 Resp: 70064

Ion Ratio Lower Upper

164 100

162 96.8 86.1 129.1

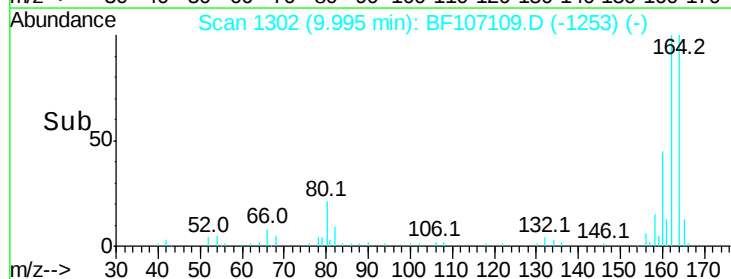
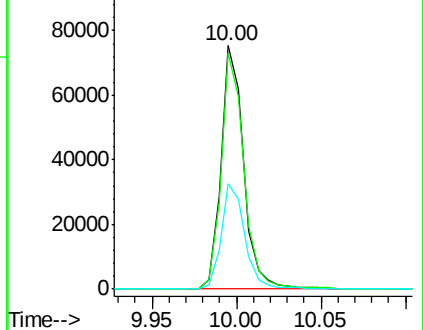
160 43.3 38.3 57.5



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

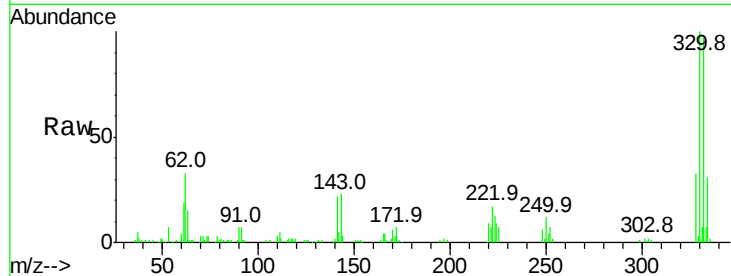




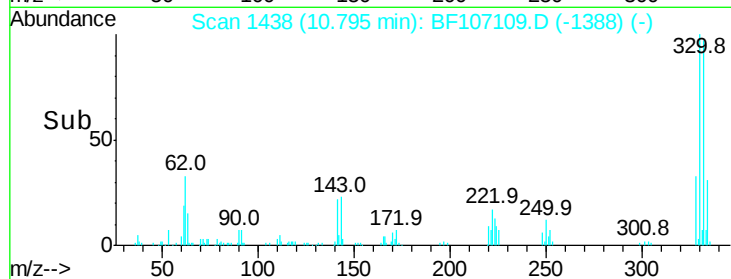
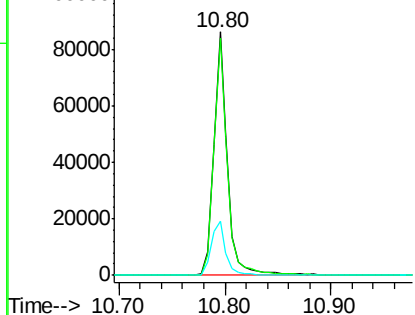
#41  
 2,4,6-Tribromophenol  
 Concen: 96.696 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF107109.D  
 Acq: 4 Jul 2018 4:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 161-RED-BRICK

Tot Ion:330 Resp: 78523  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 77.0 115.6  
 141 23.3 29.9 44.9#

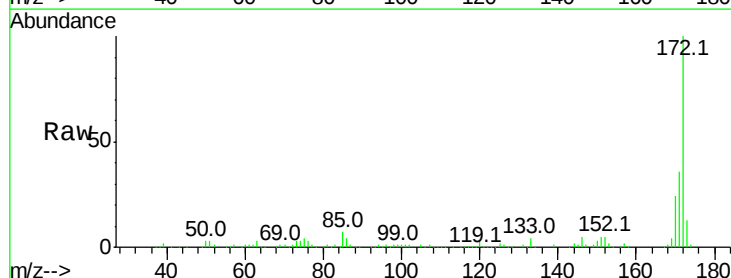


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

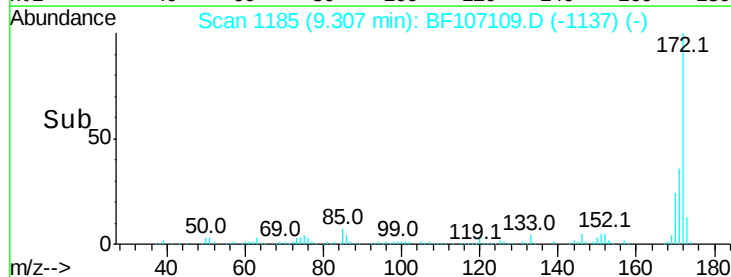
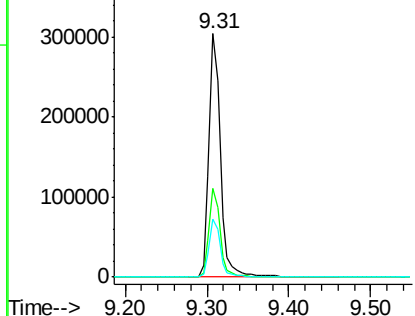


#44  
 2-Fluorobiphenyl  
 Concen: 68.974 ng  
 RT: 9.31 min Scan# 1185  
 Delta R.T. -0.02 min  
 Lab File: BF107109.D  
 Acq: 4 Jul 2018 4:24

Tgt Ion:172 Resp: 297022  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.7 44.5  
 170 23.7 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

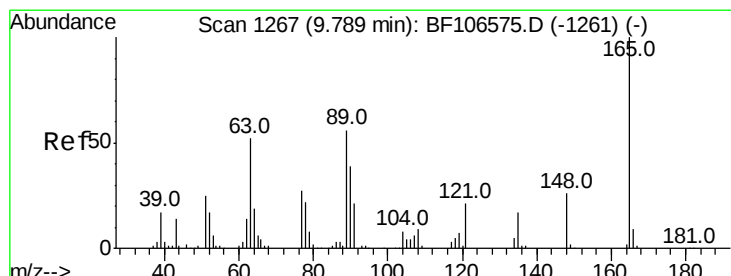
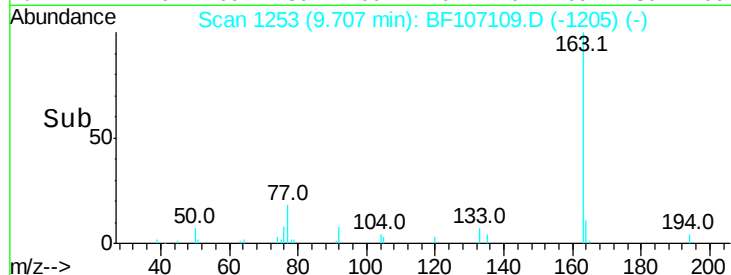
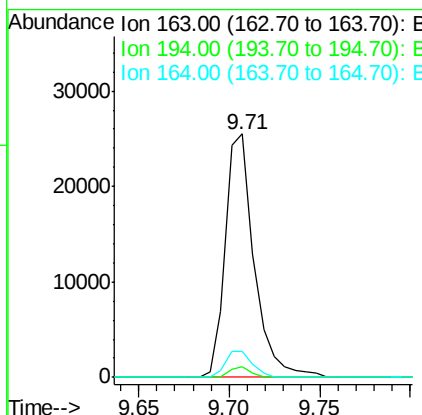
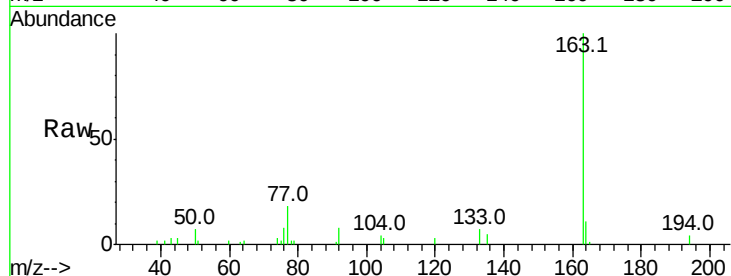




#49  
Dimethylphthalate  
Concen: 5.381 ng  
RT: 9.71 min Scan# 1253  
Delta R.T. -0.02 min  
Lab File: BF107109.D  
Acq: 4 Jul 2018 4:24

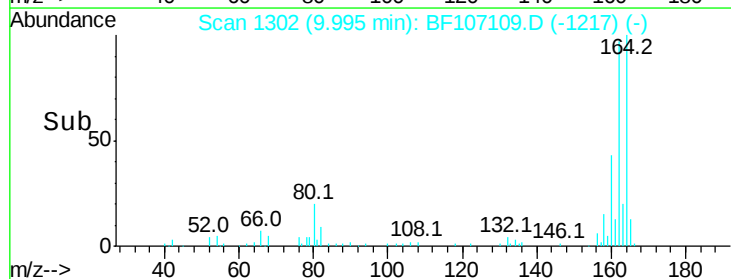
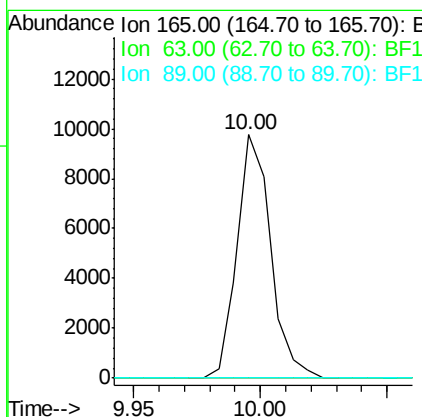
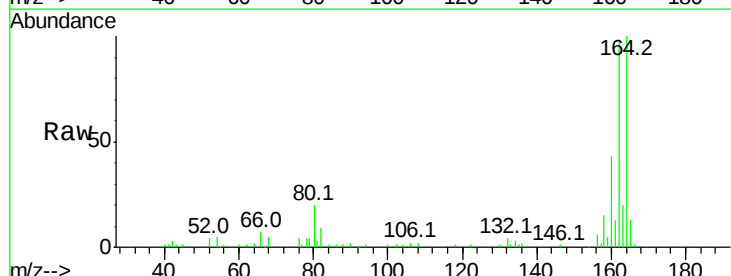
Instrument :  
BNA\_F  
ClientSampleId :  
161-RED-BRICK

Tot Ion:163 Resp: 28279  
Ion Ratio Lower Upper  
163 100  
194 4.4 2.7 4.1#  
164 10.9 8.2 12.2



#50  
2,6-Dinitrotoluene  
Concen: 8.073 ng  
RT: 10.00 min Scan# 1302  
Delta R.T. 0.20 min  
Lab File: BF107109.D  
Acq: 4 Jul 2018 4:24

Tgt Ion:165 Resp: 8983  
Ion Ratio Lower Upper  
165 100  
63 0.0 44.7 67.1#  
89 0.0 44.0 66.0#

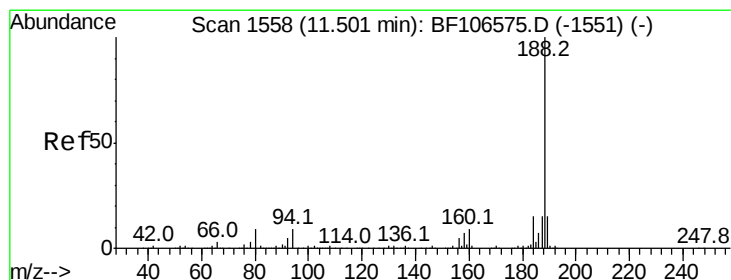
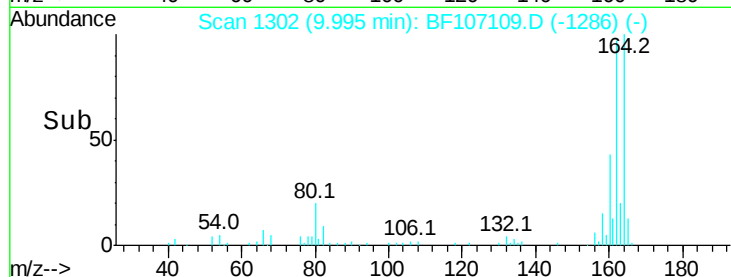
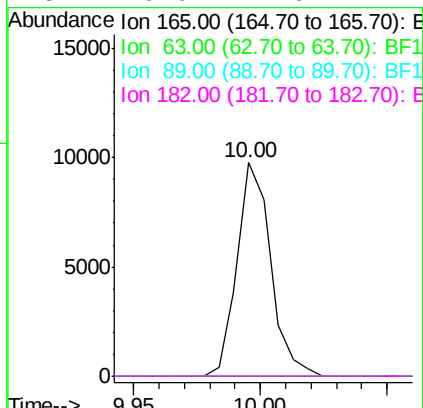
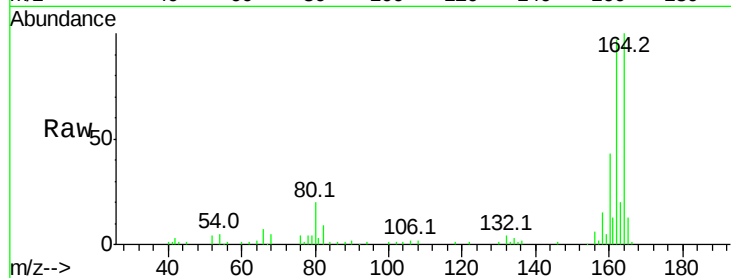




#56  
 2,4-Dinitrotoluene  
 Concen: 6.185 ng  
 RT: 10.00 min Scan# 1302  
 Delta R.T. -0.21 min  
 Lab File: BF107109.D  
 Acq: 4 Jul 2018 4:24

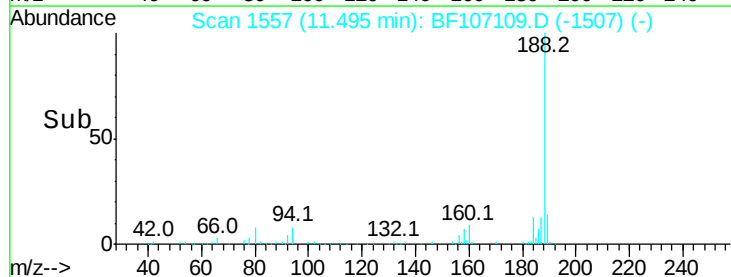
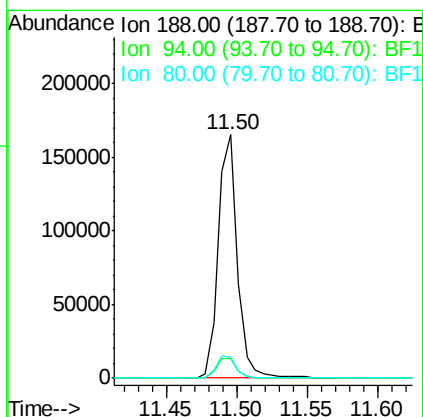
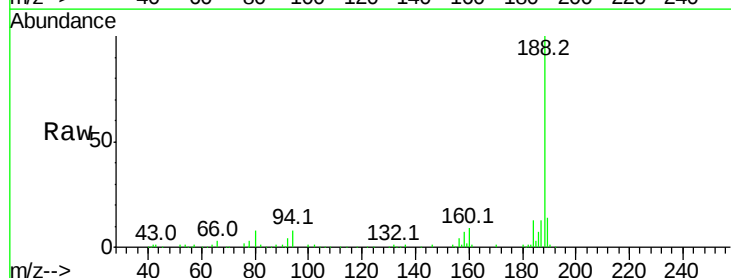
Instrument :  
 BNA\_F  
 ClientSampleId :  
 161-RED-BRICK

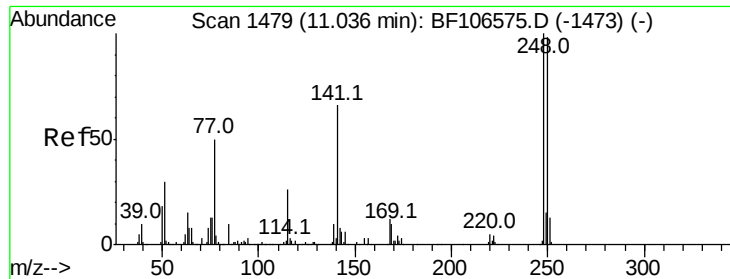
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 36.4  | 54.6# |
| 89      | 0.0   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.50 min Scan# 1557  
 Delta R.T. -0.01 min  
 Lab File: BF107109.D  
 Acq: 4 Jul 2018 4:24

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.0   | 8.5   | 12.7# |
| 80      | 8.4   | 9.2   | 13.8# |

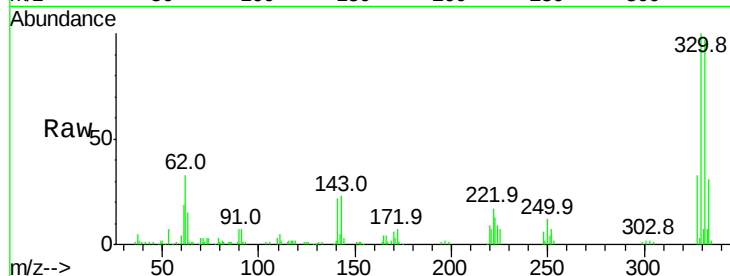




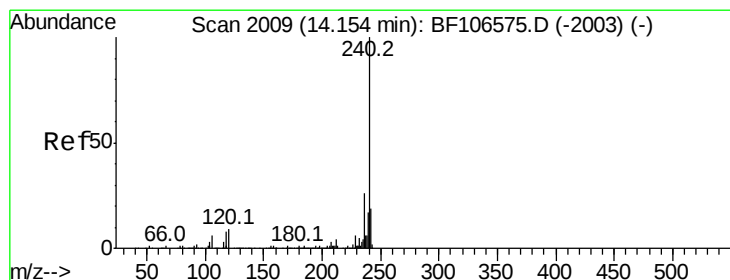
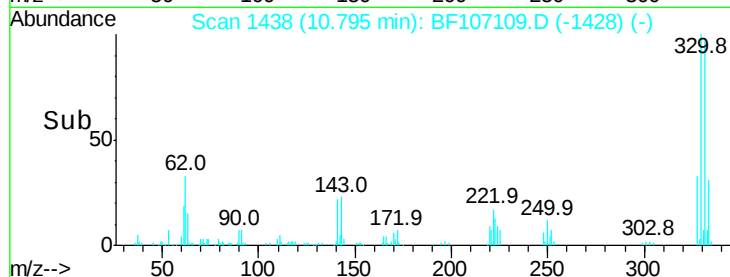
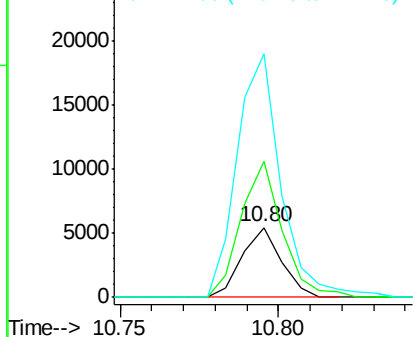
#66  
4-Bromophenyl-phenylether  
Concen: 2.545 ng  
RT: 10.80 min Scan# 1438  
Delta R.T. -0.24 min  
Lab File: BF107109.D  
Acq: 4 Jul 2018 4:24

Instrument :  
BNA\_F  
ClientSampleId :  
161-RED-BRICK

Tot Ion:248 Resp: 4692  
Ion Ratio Lower Upper  
248 100  
250 193.7 76.9 115.3#  
141 347.9 74.4 111.6#

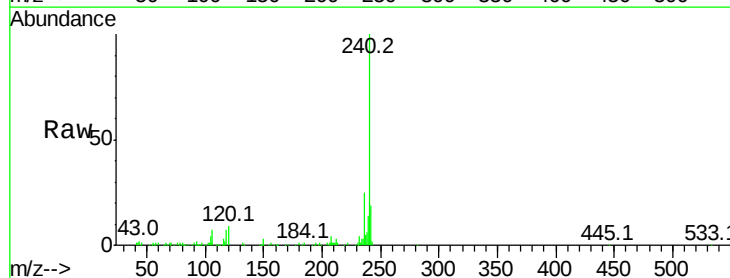


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

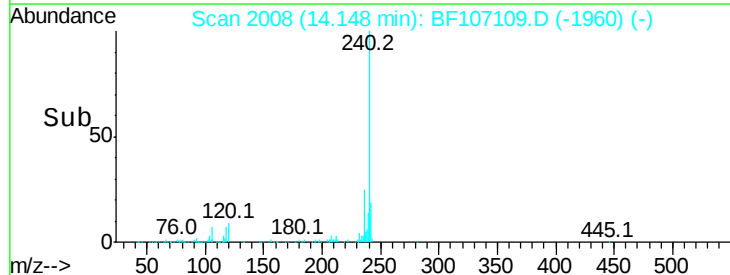
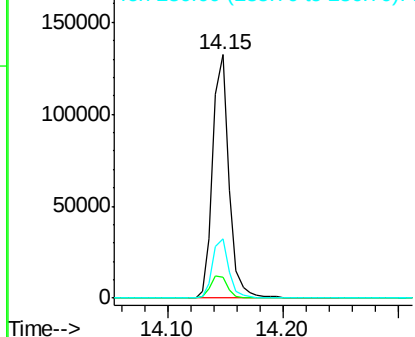


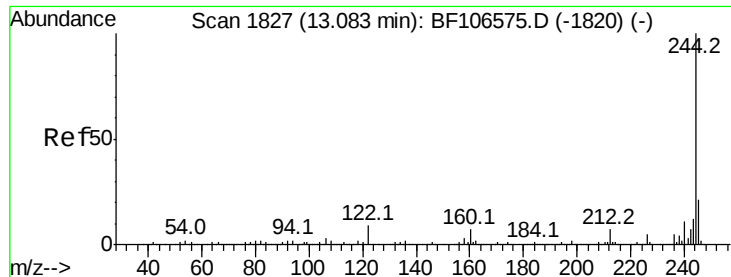
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.15 min Scan# 2008  
Delta R.T. -0.02 min  
Lab File: BF107109.D  
Acq: 4 Jul 2018 4:24

Tgt Ion:240 Resp: 130519  
Ion Ratio Lower Upper  
240 100  
120 8.6 9.5 14.3#  
236 24.6 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

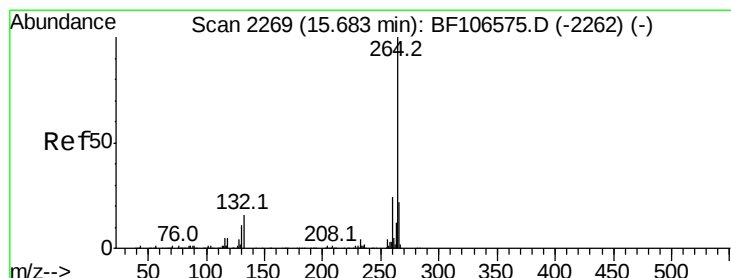
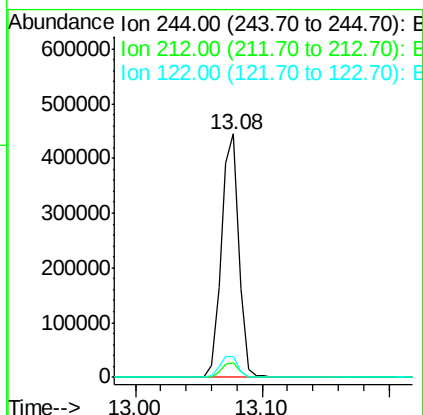
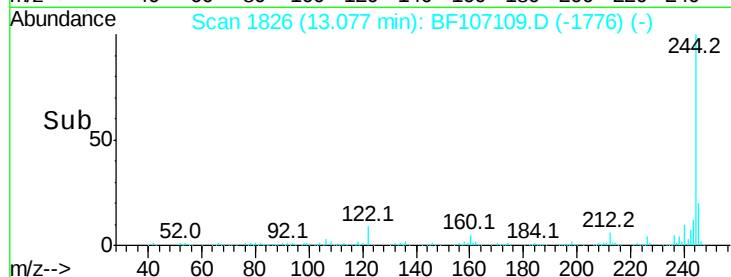
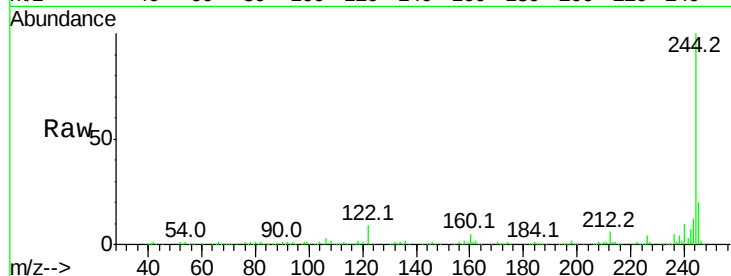




#78  
 Terphenyl-d14  
 Concen: 79.301 ng  
 RT: 13.08 min Scan# 1826  
 Delta R.T. -0.01 min  
 Lab File: BF107109.D  
 Acq: 4 Jul 2018 4:24

Instrument :  
 BNA\_F  
 ClientSampleId :  
 161-RED-BRICK

Tot Ion:244 Resp: 427293  
 Ion Ratio Lower Upper  
 244 100  
 212 6.2 5.4 8.0  
 122 8.5 11.0 16.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.69 min Scan# 2270  
 Delta R.T. -0.03 min  
 Lab File: BF107109.D  
 Acq: 4 Jul 2018 4:24

Tgt Ion:264 Resp: 92975  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.2 28.8  
 265 21.0 17.5 26.3

