

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF071818\  
 Data File : BF107504.D  
 Acq On : 19 Jul 2018 9:21  
 Operator : JU/SJ  
 Sample : J4033-05  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 071618-DBRI-F-D-S

Quant Time: Jul 19 10:50:44 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF071618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 18 11:55:34 2018  
 Response via : Initial Calibration

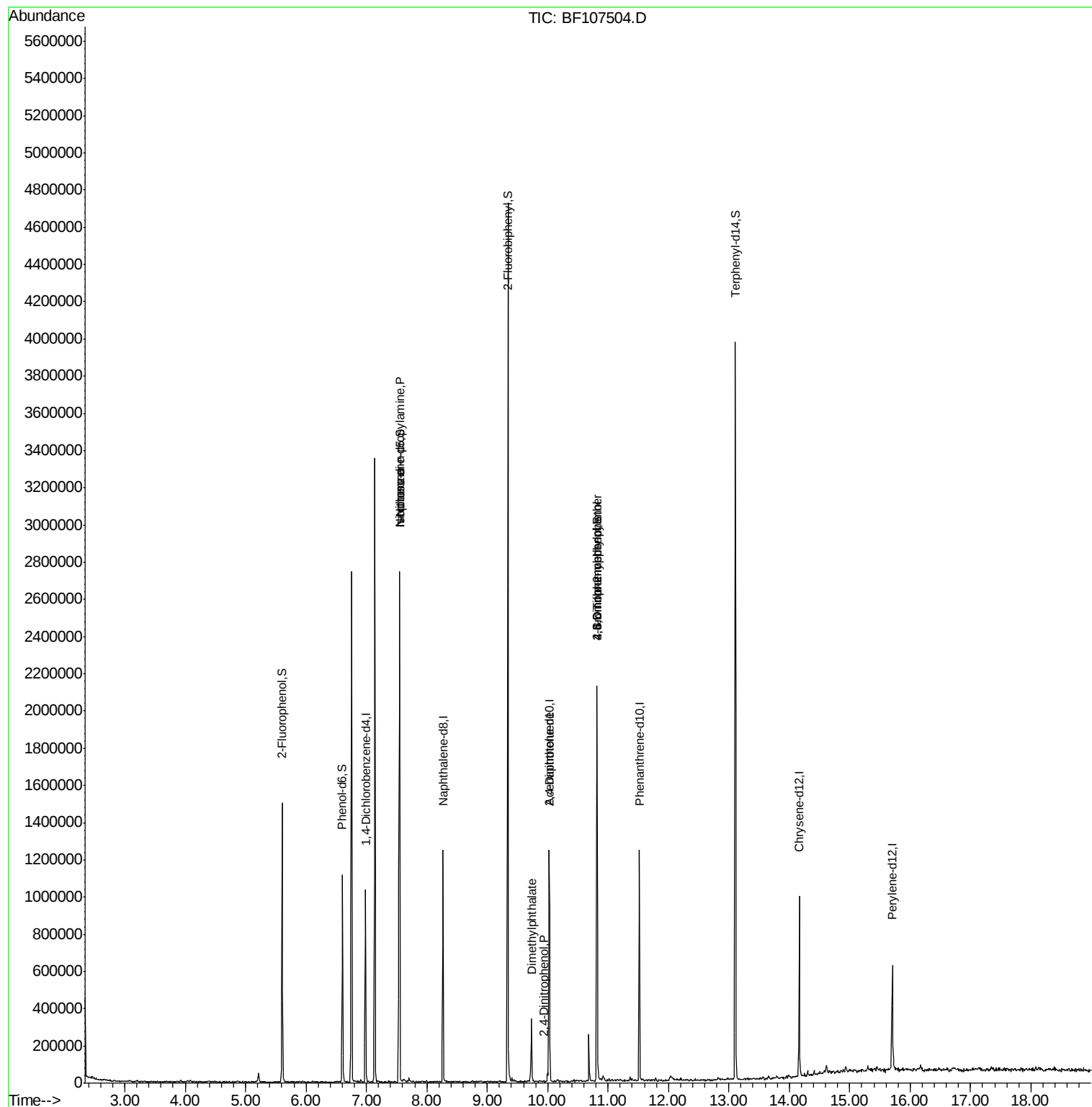
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.98  | 152  | 115437   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.27  | 136  | 424244   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.02 | 164  | 220881   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.52 | 188  | 375358   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.17 | 240  | 296702   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.71 | 264  | 249635   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 308792   | 40.63  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.60  | 99   | 267053   | 27.18  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.55  | 82   | 884326   | 111.15 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.82 | 330  | 181680   | 93.62  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl           | 9.34  | 172  | 1392500  | 108.05 | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.11 | 244  | 1190705  | 99.71  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.55  | 70   | 144564   | 20.546 | ng    | # 81     |
| 25) Isophorone                 | 7.55  | 82   | 884312   | 56.077 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.73  | 163  | 107955   | 6.151  | ng    | # 94     |
| 53) 2,4-Dinitrophenol          | 9.94  | 184  | 162      | 2.448  | ng    | # 29     |
| 56) 2,4-Dinitrotoluene         | 10.02 | 165  | 26430    | 6.055  | ng    | # 25     |
| 64) 4,6-Dinitro-2-methylphenol | 10.82 | 198  | 372      | 7.645  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.82 | 248  | 20145    | 4.691  | ng    | # 1      |

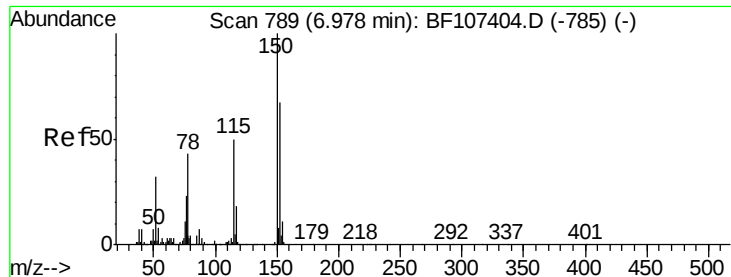
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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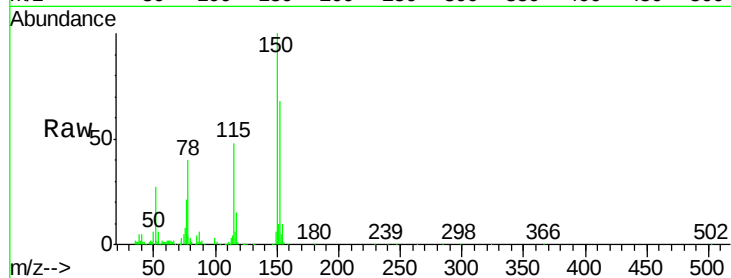


#1

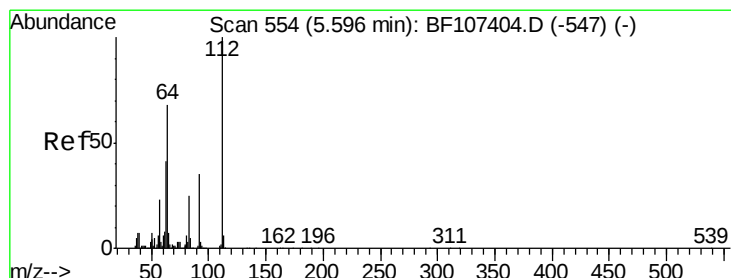
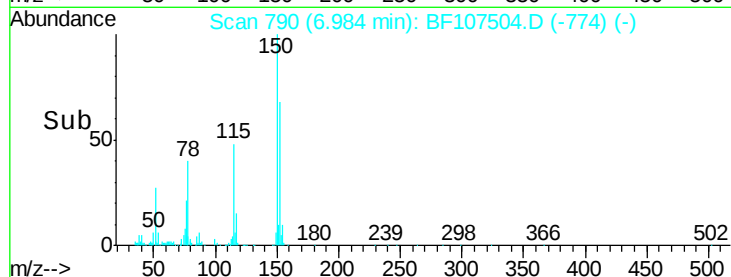
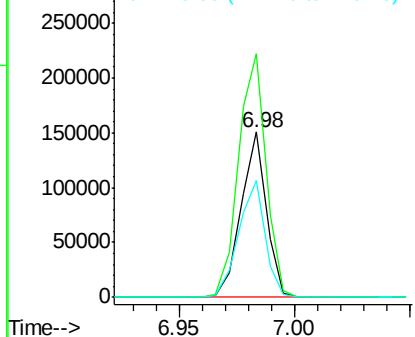
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.98 min Scan# 790  
Delta R.T. -0.01 min  
Lab File: BF107504.D  
Acq: 19 Jul 2018 9:21

Instrument :  
BNA\_F  
ClientSampleId :  
071618-DBRI-F-D-S

Tgt Ion:152 Resp: 115437  
Ion Ratio Lower Upper  
152 100  
150 147.6 124.6 186.8  
115 70.6 50.1 75.1



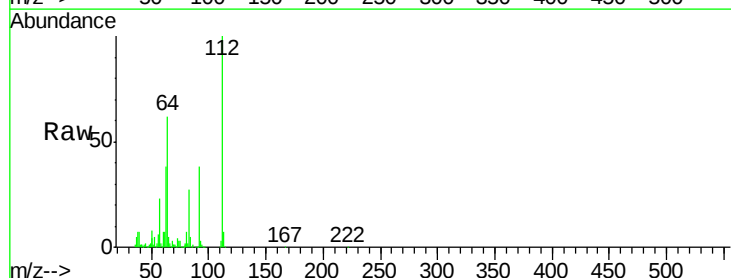
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



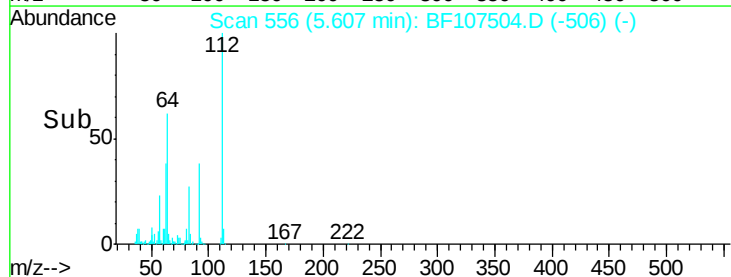
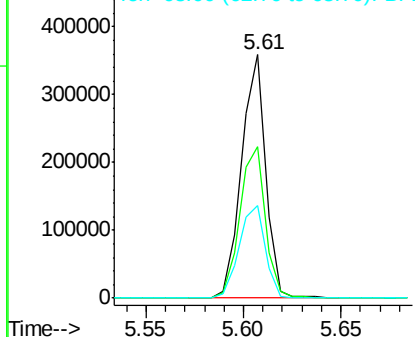
#5

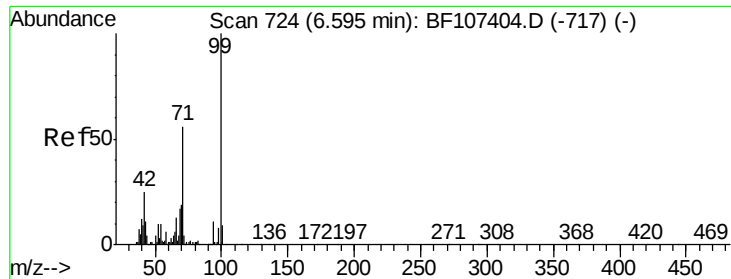
2-Fluorophenol  
Concen: 40.626 ng  
RT: 5.61 min Scan# 556  
Delta R.T. -0.01 min  
Lab File: BF107504.D  
Acq: 19 Jul 2018 9:21

Tgt Ion:112 Resp: 308792  
Ion Ratio Lower Upper  
112 100  
64 62.3 47.9 71.9  
63 38.0 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: 27.175 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107504.D

Acq: 19 Jul 2018 9:21

Instrument :

BNA\_F

ClientSampleId :

071618-DBRI-F-D-S

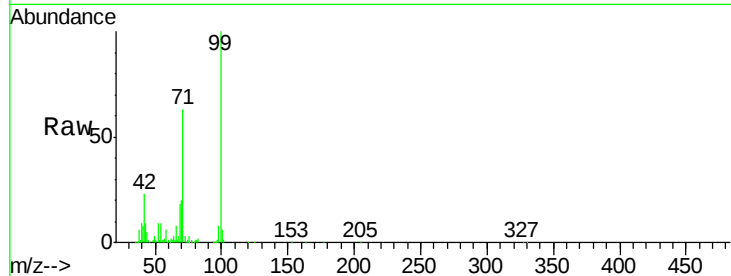
Tgt Ion: 99 Resp: 267053

Ion Ratio Lower Upper

99 100

42 22.7 14.5 21.7#

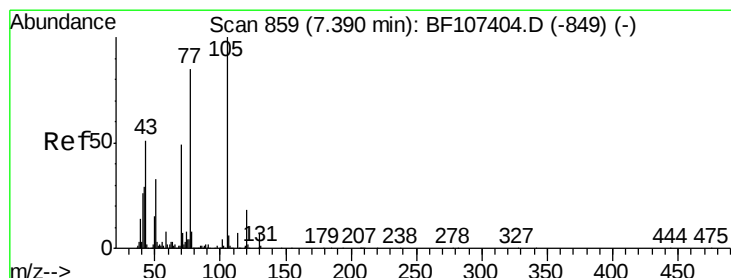
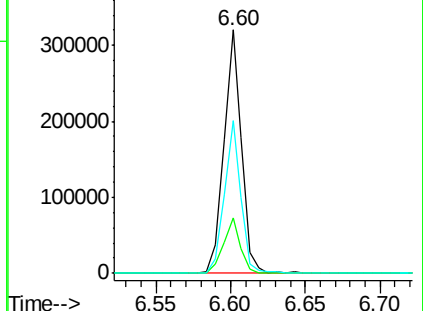
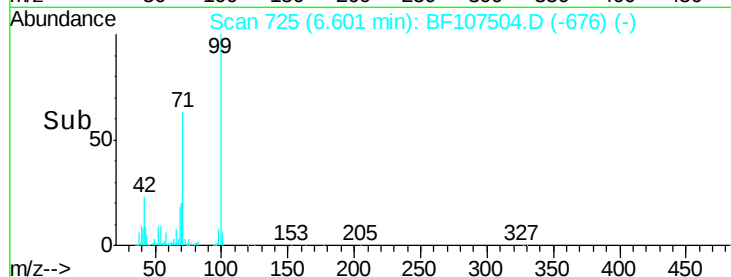
71 62.9 25.4 38.0#



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



#19

n-Nitroso-di-n-propylamine

Concen: 20.546 ng

RT: 7.55 min Scan# 886

Delta R.T. 0.15 min

Lab File: BF107504.D

Acq: 19 Jul 2018 9:21

Tgt Ion: 70 Resp: 144564

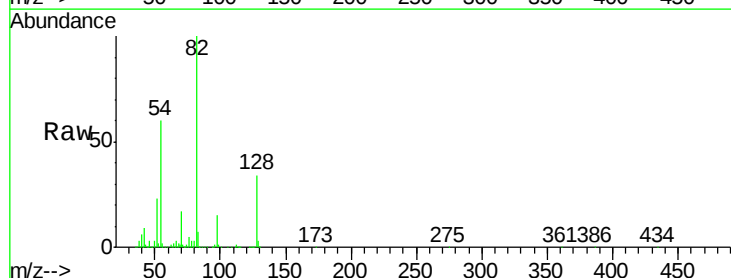
Ion Ratio Lower Upper

70 100

42 51.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#

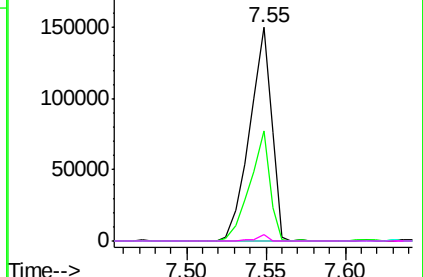
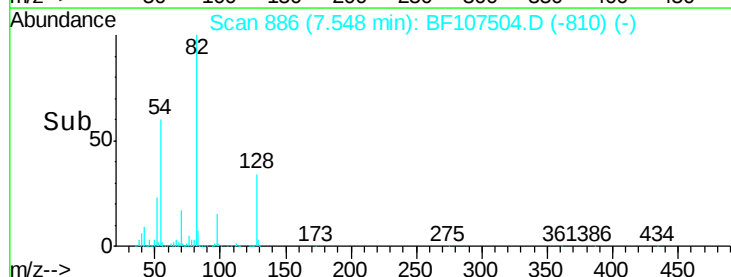


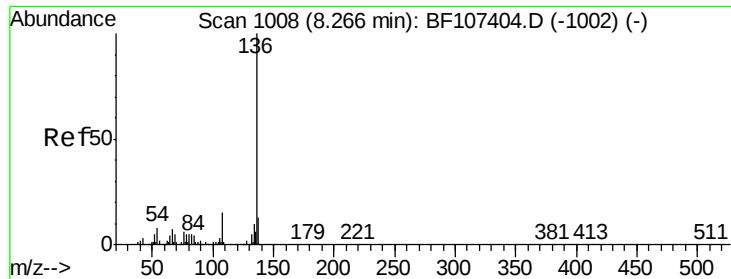
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

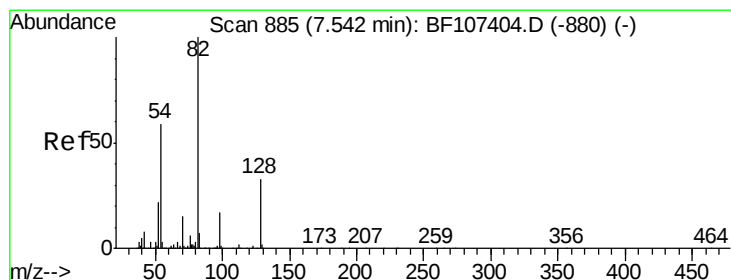
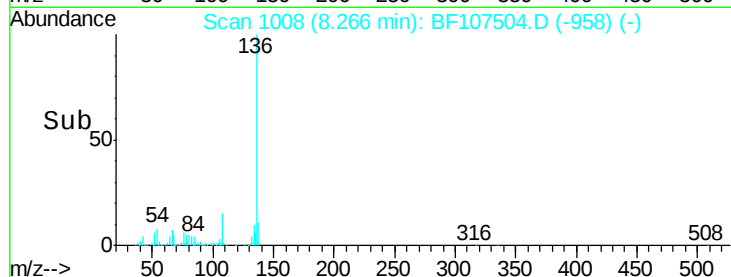
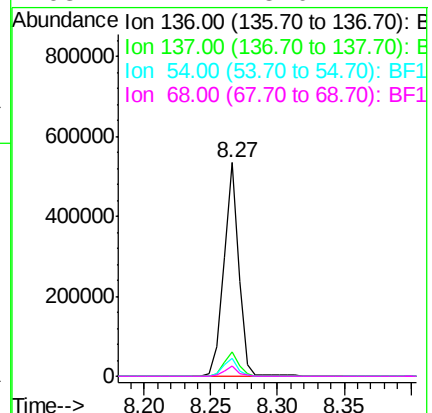
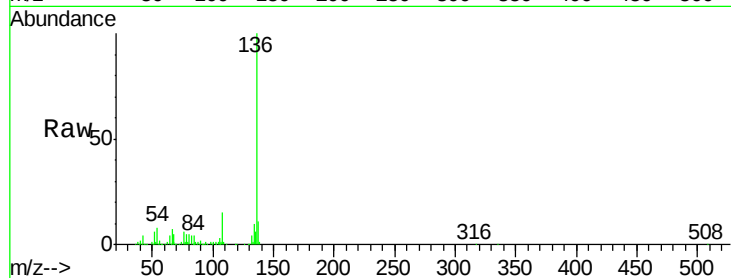




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.27 min Scan# 1008  
Delta R.T. -0.01 min  
Lab File: BF107504.D  
Acq: 19 Jul 2018 9:21

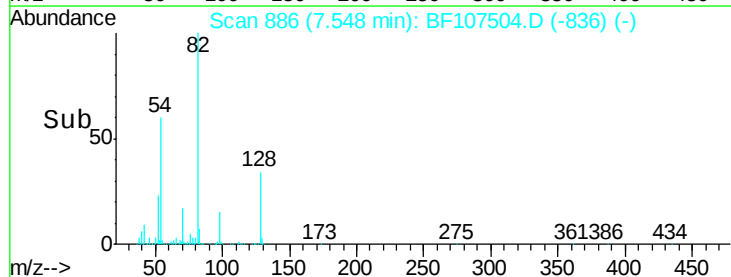
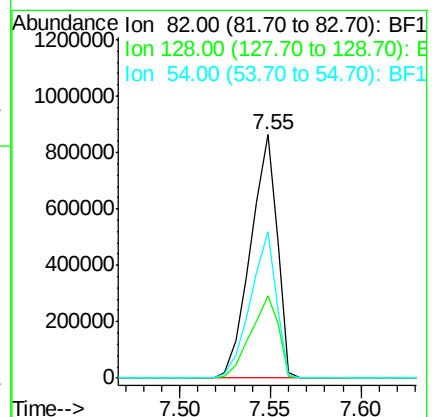
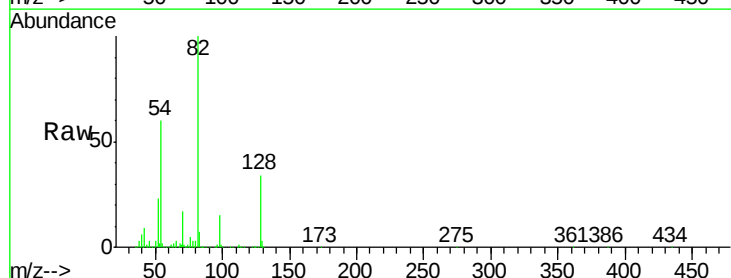
Instrument :  
BNA\_F  
ClientSampleId :  
071618-DBRI-F-D-S

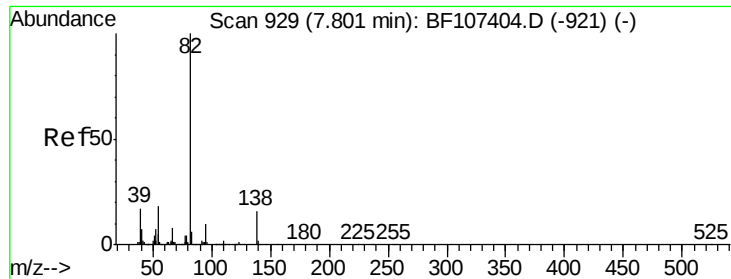
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 424244 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.3  | 8.9   | 13.3   |
| 54       | 8.1   | 6.6   | 9.8    |
| 68       | 4.7   | 5.0   | 7.4#   |



#23  
Nitrobenzene-d5  
Concen: 111.153 ng  
RT: 7.55 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF107504.D  
Acq: 19 Jul 2018 9:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 884326 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 33.6  | 36.1  | 54.1#  |
| 54       | 60.2  | 41.4  | 62.2   |





#25

Isophorone

Concen: 56.077 ng

RT: 7.55 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF107504.D

Acq: 19 Jul 2018 9:21

Instrument :

BNA\_F

ClientSampleId :

071618-DBRI-F-D-S

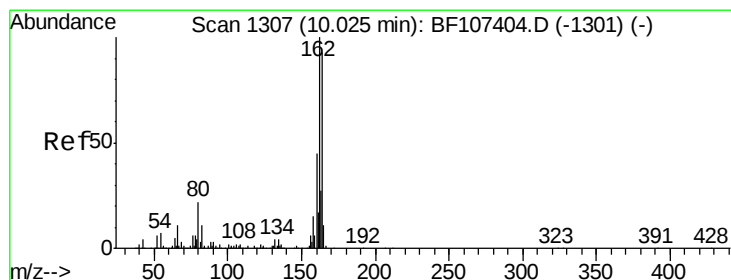
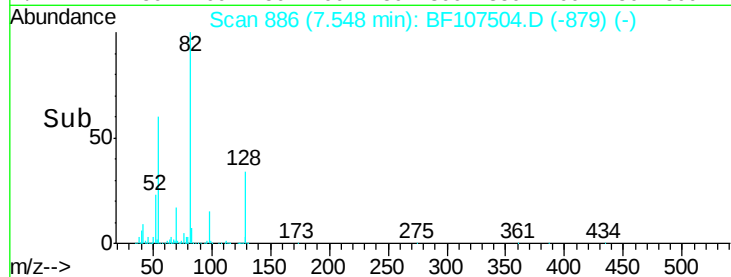
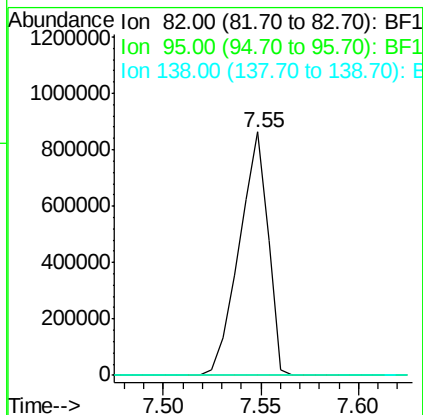
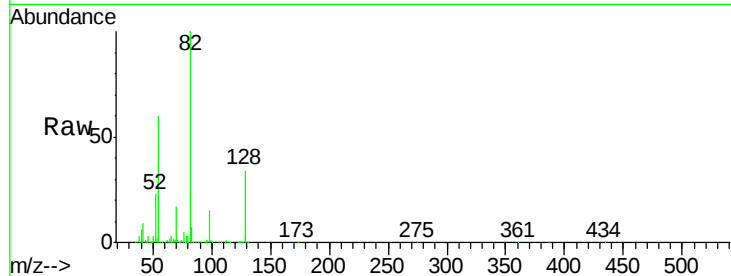
Tgt Ion: 82 Resp: 884312

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF107504.D

Acq: 19 Jul 2018 9:21

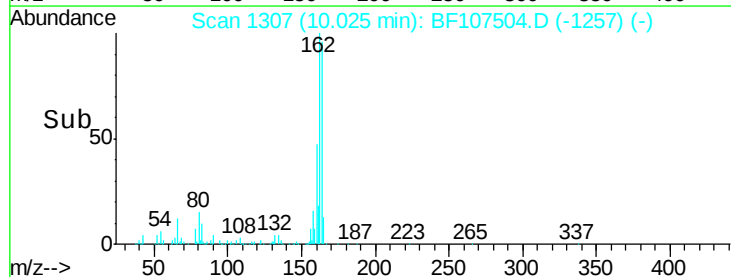
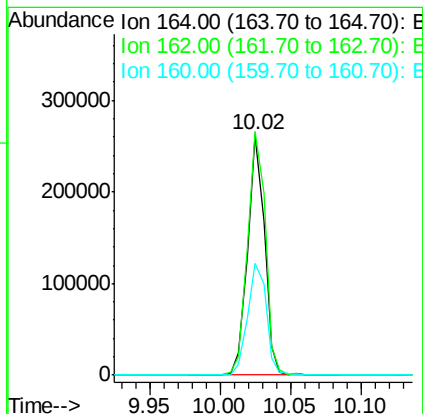
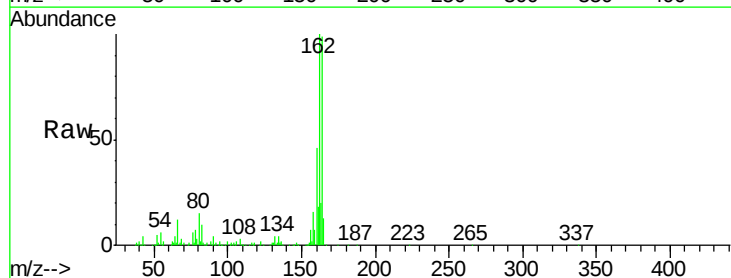
Tgt Ion: 164 Resp: 220881

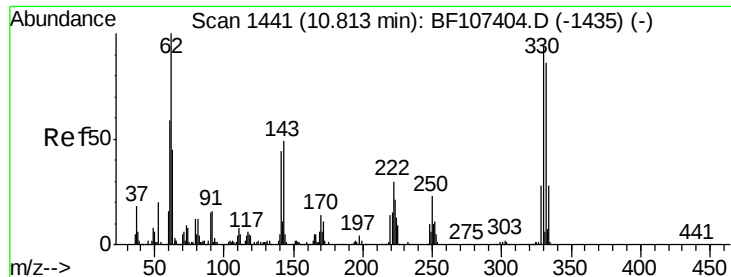
Ion Ratio Lower Upper

164 100

162 101.4 86.1 129.1

160 46.8 38.3 57.5

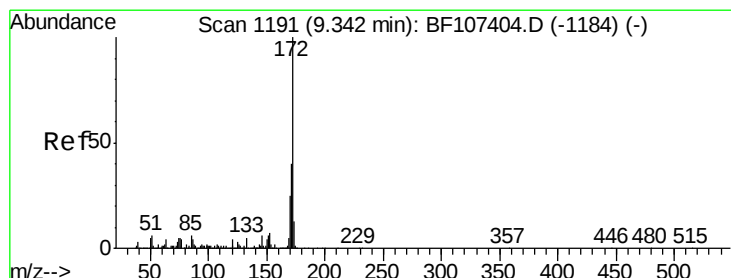
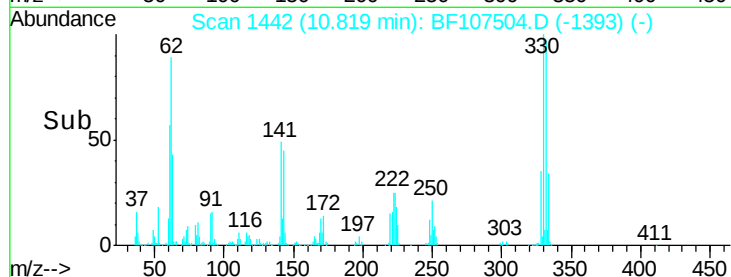
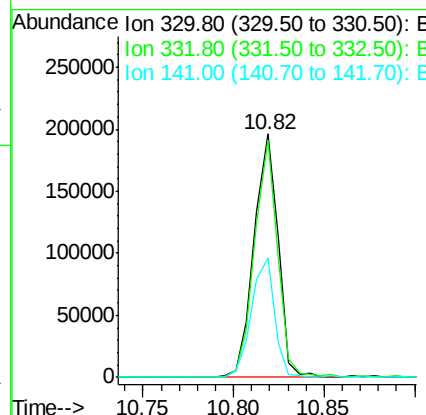
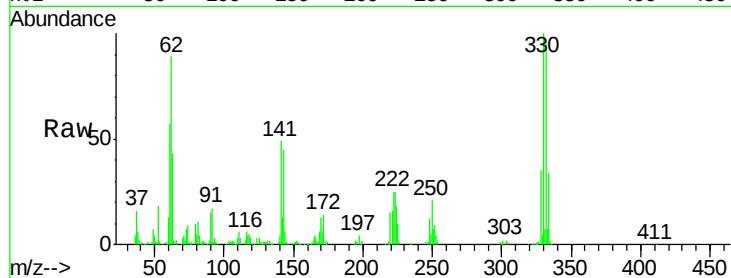




#41  
 2,4,6-Tribromophenol  
 Concen: 93.616 ng  
 RT: 10.82 min Scan# 1442  
 Delta R.T. -0.01 min  
 Lab File: BF107504.D  
 Acq: 19 Jul 2018 9:21

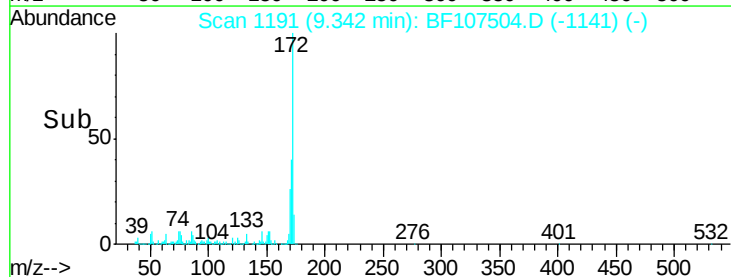
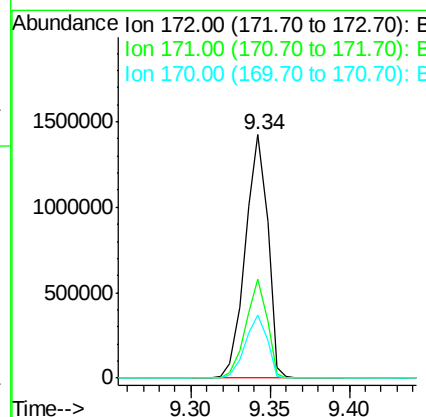
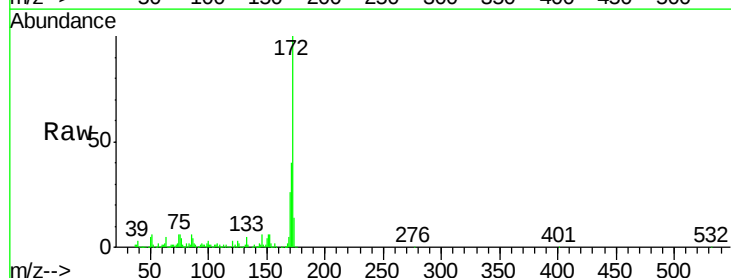
Instrument :  
 BNA\_F  
 ClientSampleId :  
 071618-DBRI-F-D-S

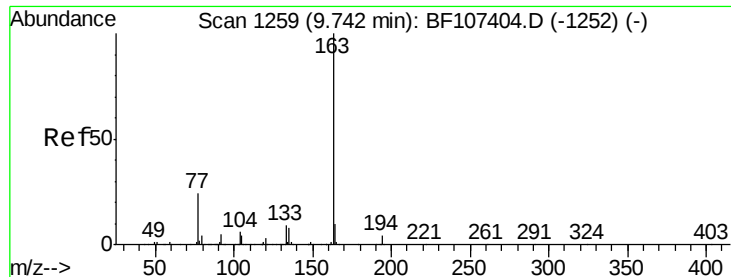
Tgt Ion: 330 Resp: 181680  
 Ion Ratio Lower Upper  
 330 100  
 332 93.8 77.0 115.6  
 141 47.3 29.9 44.9#



#44  
 2-Fluorobiphenyl  
 Concen: 108.054 ng  
 RT: 9.34 min Scan# 1191  
 Delta R.T. -0.01 min  
 Lab File: BF107504.D  
 Acq: 19 Jul 2018 9:21

Tgt Ion: 172 Resp: 1392500  
 Ion Ratio Lower Upper  
 172 100  
 171 40.5 29.7 44.5  
 170 25.7 19.6 29.4





#49

Dimethylphthalate

Concen: 6.151 ng

RT: 9.73 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF107504.D

Acq: 19 Jul 2018 9:21

Instrument :

BNA\_F

ClientSampleId :

071618-DBRI-F-D-S

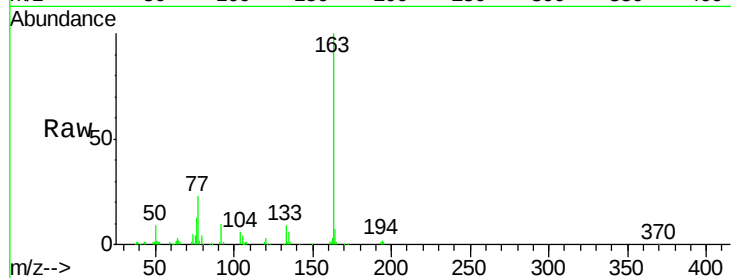
Tgt Ion:163 Resp: 107955

Ion Ratio Lower Upper

163 100

194 2.3 2.7 4.1#

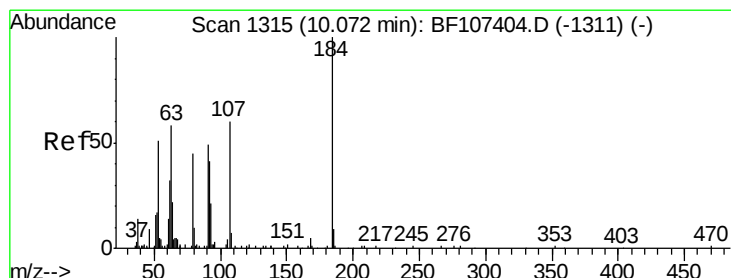
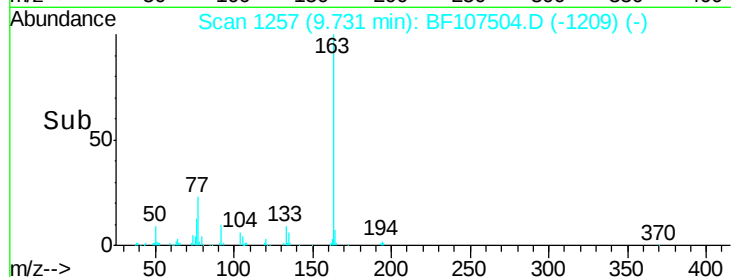
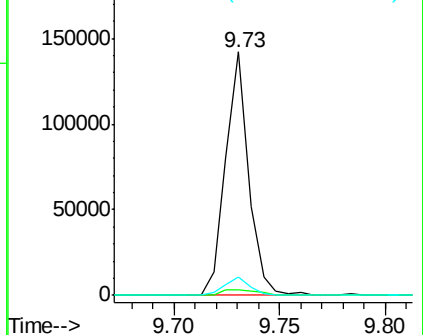
164 7.4 8.2 12.2#



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



#53

2,4-Dinitrophenol

Concen: 2.448 ng

RT: 9.94 min Scan# 1293

Delta R.T. -0.15 min

Lab File: BF107504.D

Acq: 19 Jul 2018 9:21

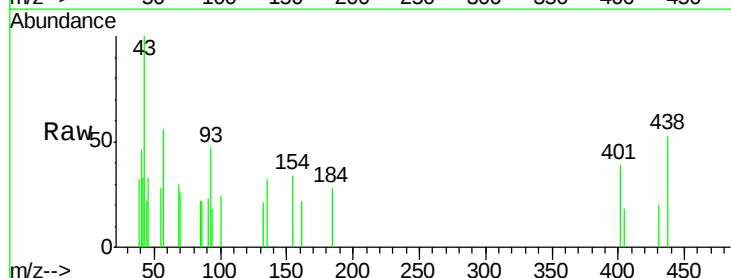
Tgt Ion:184 Resp: 162

Ion Ratio Lower Upper

184 100

63 0.0 54.2 81.2#

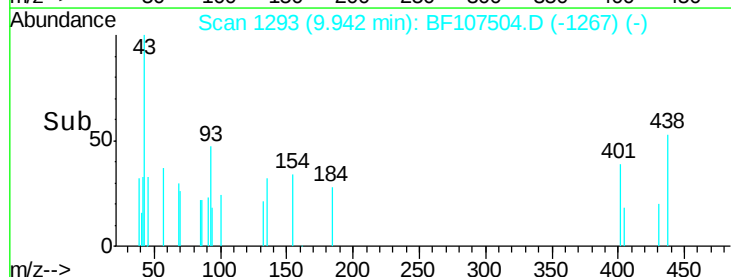
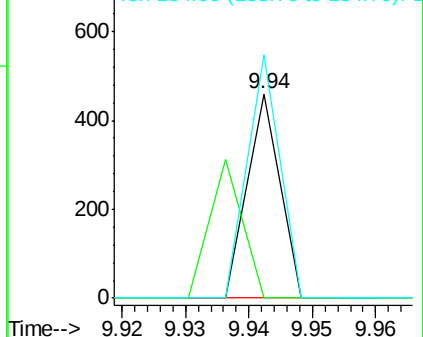
154 119.1 184.0 276.0#

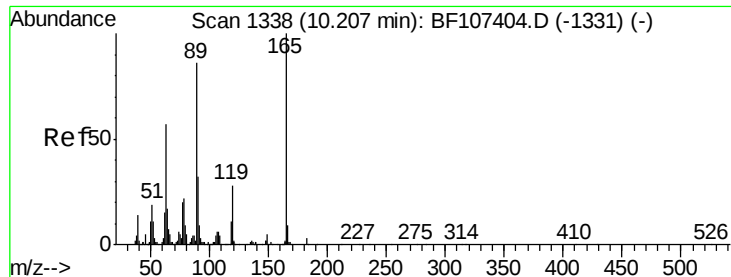


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

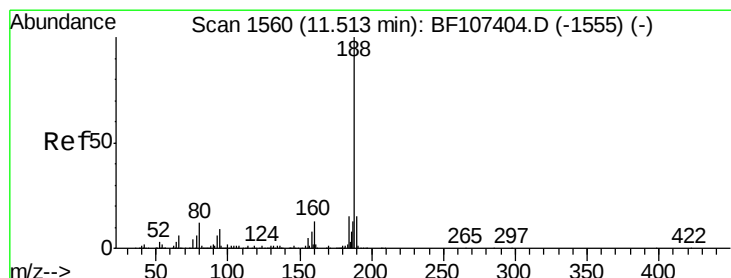
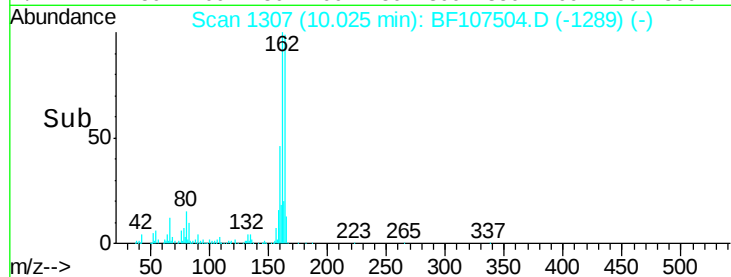
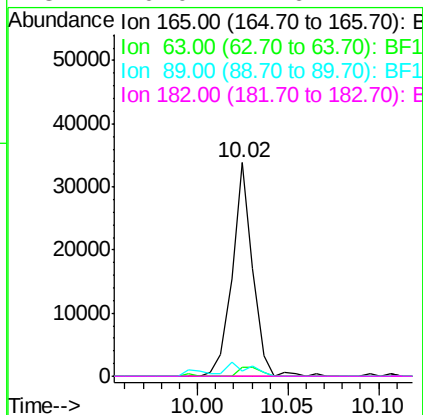
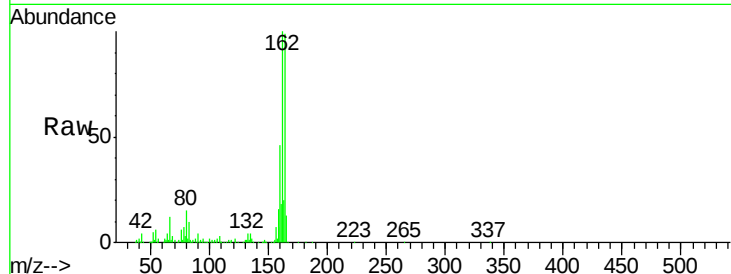




#56  
2,4-Dinitrotoluene  
Concen: 6.055 ng  
RT: 10.02 min Scan# 1307  
Delta R.T. -0.19 min  
Lab File: BF107504.D  
Acq: 19 Jul 2018 9:21

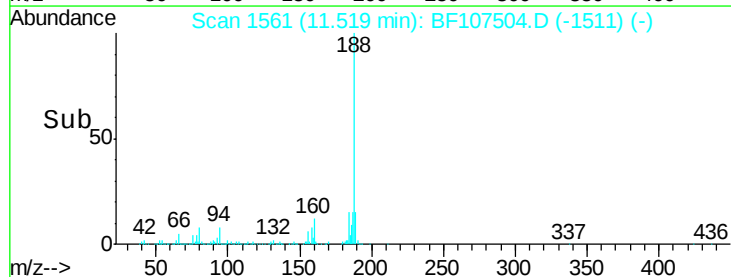
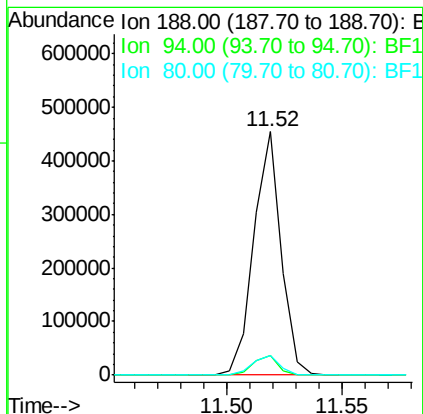
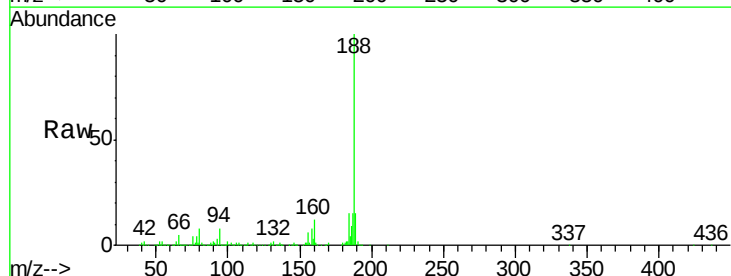
Instrument :  
BNA\_F  
ClientSampleId :  
071618-DBRI-F-D-S

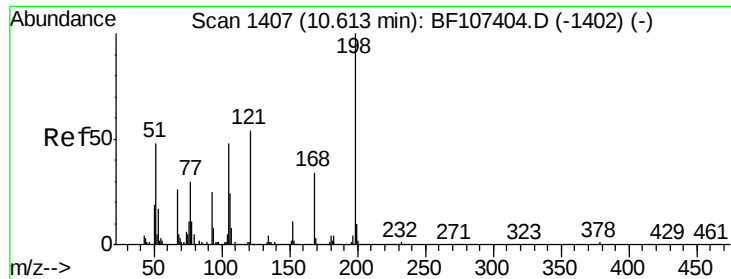
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 3.9   | 36.4  | 54.6# |
| 89      | 2.3   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.52 min Scan# 1561  
Delta R.T. -0.01 min  
Lab File: BF107504.D  
Acq: 19 Jul 2018 9:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.1   | 8.5   | 12.7# |
| 80      | 8.2   | 9.2   | 13.8# |





#64

4,6-Dinitro-2-methylphenol

Concen: 7.645 ng

RT: 10.82 min Scan# 1442

Delta R.T. 0.19 min

Lab File: BF107504.D

Acq: 19 Jul 2018 9:21

Instrument :

BNA\_F

ClientSampleId :

071618-DBRI-F-D-S

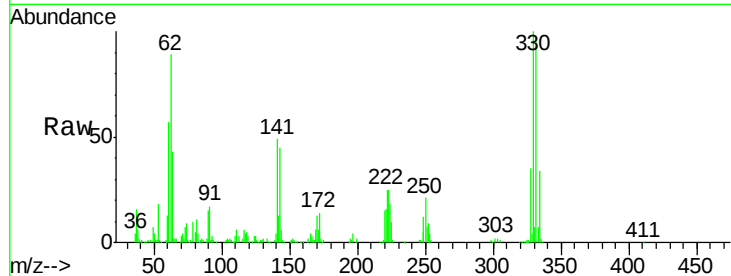
Tgt Ion:198 Resp: 372

Ion Ratio Lower Upper

198 100

51 361.5 37.7 77.7#

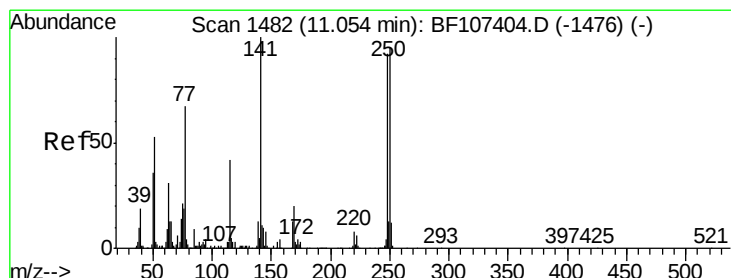
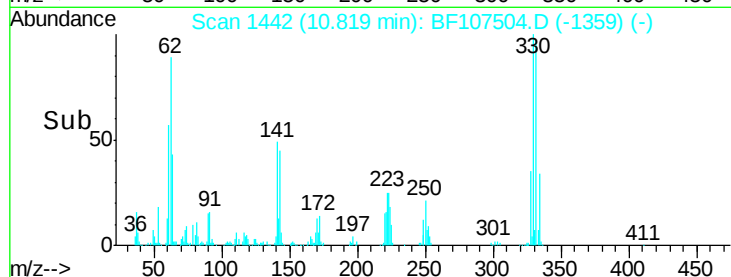
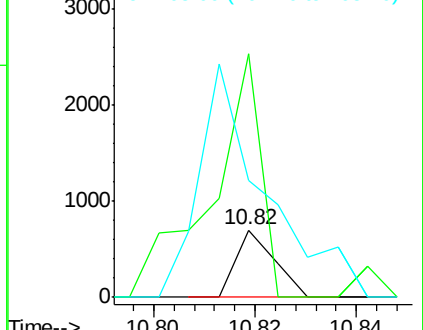
105 173.1 36.3 76.3#



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: 4.691 ng

RT: 10.82 min Scan# 1442

Delta R.T. -0.25 min

Lab File: BF107504.D

Acq: 19 Jul 2018 9:21

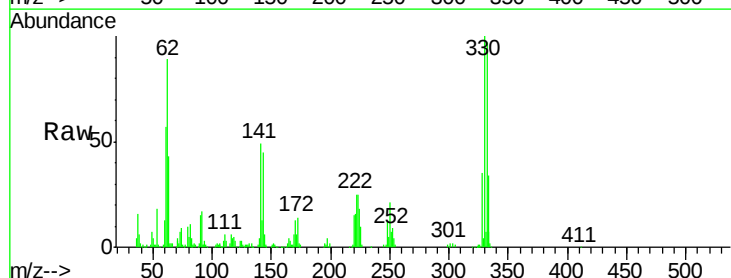
Tgt Ion:248 Resp: 20145

Ion Ratio Lower Upper

248 100

250 180.6 76.9 115.3#

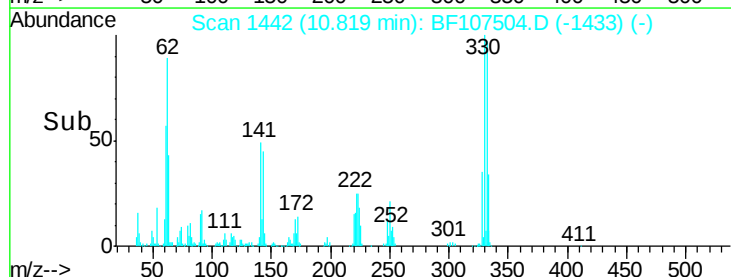
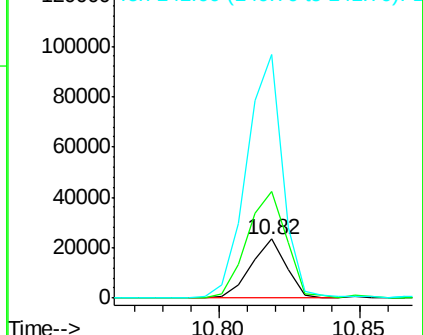
141 414.0 74.4 111.6#

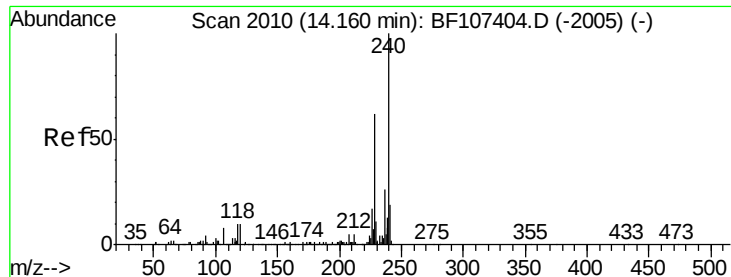


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.17 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF107504.D

Acq: 19 Jul 2018 9:21

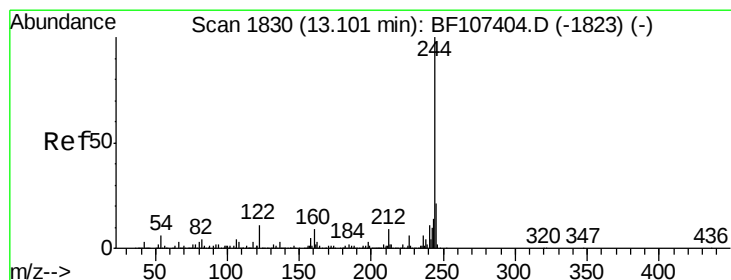
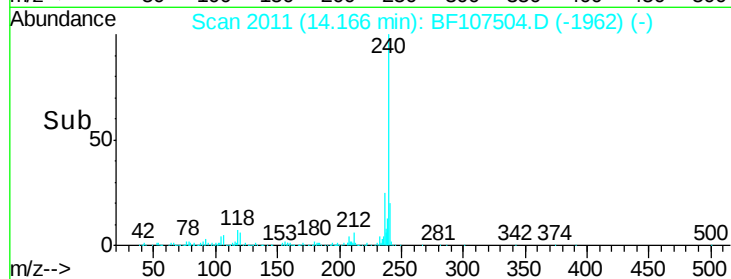
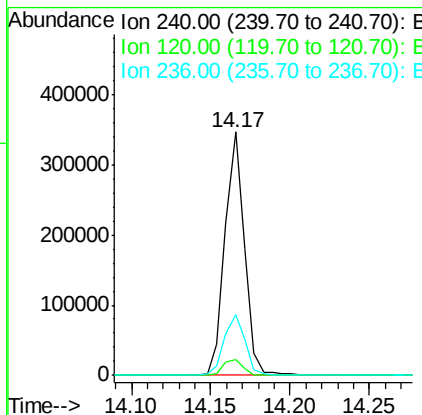
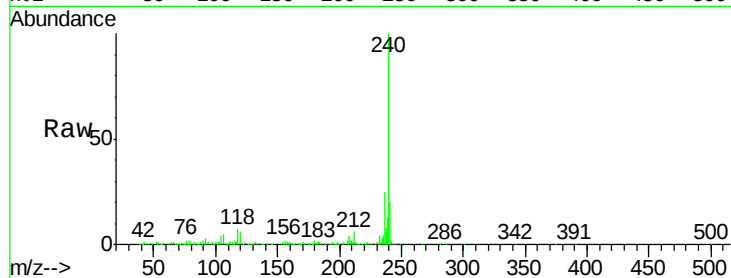
Instrument :

BNA\_F

ClientSampleId :

071618-DBRI-F-D-S

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 6.4   | 9.5   | 14.3# |
| 236     | 24.9  | 20.7  | 31.1  |



#78

Terphenyl-d14

Concen: 99.709 ng

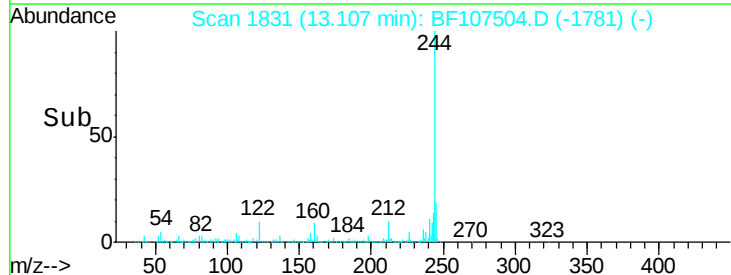
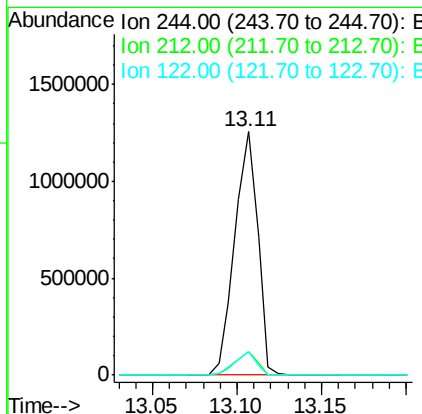
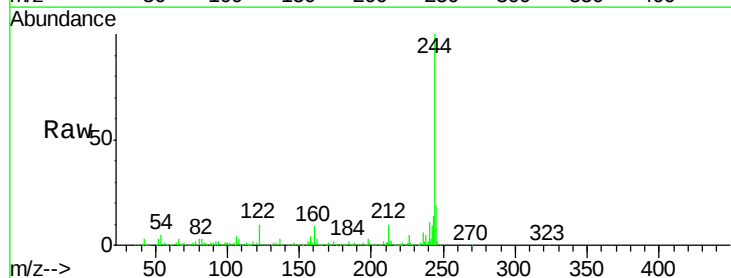
RT: 13.11 min Scan# 1831

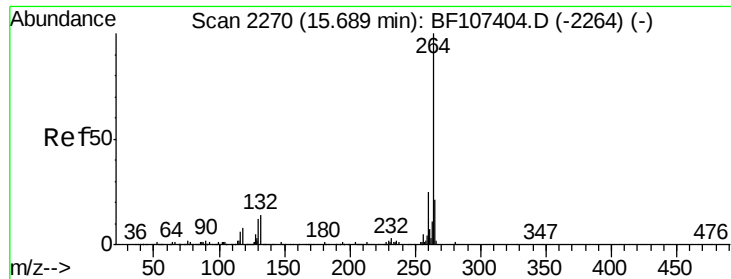
Delta R.T. -0.01 min

Lab File: BF107504.D

Acq: 19 Jul 2018 9:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.8   | 5.4   | 8.0#  |
| 122     | 9.8   | 11.0  | 16.4# |





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.71 min Scan# 2273  
Delta R.T. -0.01 min  
Lab File: BF107504.D  
Acq: 19 Jul 2018 9:21

Instrument :  
BNA\_F  
ClientSampleId :  
071618-DBRI-F-D-S

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 30.8  | 19.2  | 28.8# |
| 265     | 27.7  | 17.5  | 26.3# |

