

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF071718\  
 Data File : BF107461.D  
 Acq On : 17 Jul 2018 20:34  
 Operator : JU/SJ  
 Sample : J4013-05  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-ID

Quant Time: Jul 18 01:22:04 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF071618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 17 11:29:08 2018  
 Response via : Initial Calibration

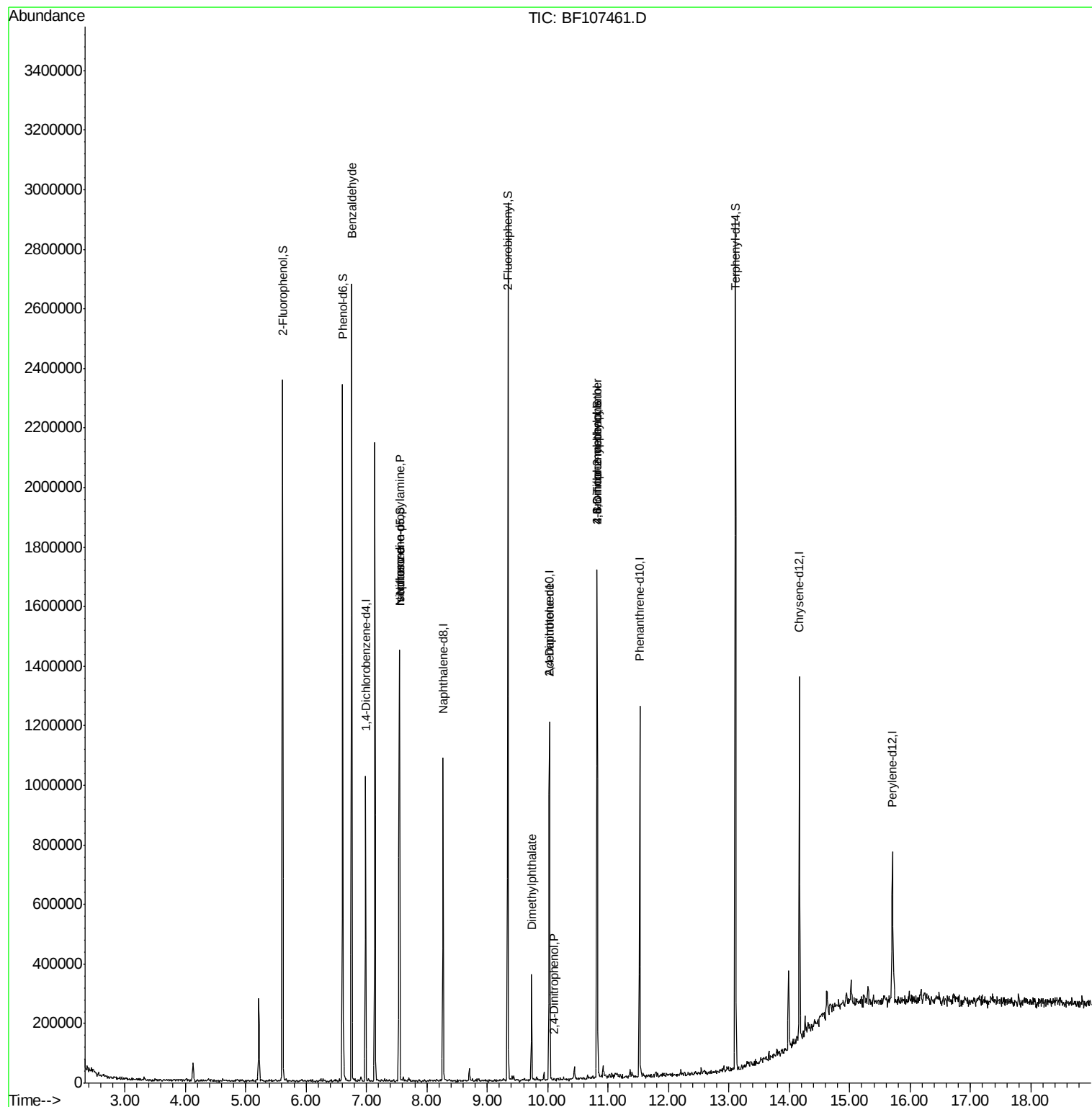
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.98  | 152  | 114762   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.27  | 136  | 406879   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.03 | 164  | 198191   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.52 | 188  | 396244   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.17 | 240  | 383611   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.71 | 264  | 227534   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 522133   | 69.10  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.61  | 99   | 666954   | 68.27  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.55  | 82   | 479311   | 62.82  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.82 | 330  | 132262   | 75.95  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.34  | 172  | 776151   | 62.42  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.11 | 244  | 825373   | 53.46  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.75  | 77   | 17445    | 2.220  | ng    | 88       |
| 19) n-Nitroso-di-n-propylamine | 7.54  | 70   | 76025    | 10.868 | ng    | # 77     |
| 25) Isophorone                 | 7.55  | 82   | 479194   | 31.684 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.73  | 163  | 113681   | 7.219  | ng    | # 97     |
| 53) 2,4-Dinitrophenol          | 10.11 | 184  | 188      | 2.508  | ng    | # 1      |
| 56) 2,4-Dinitrotoluene         | 10.02 | 165  | 26149    | 6.676  | ng    | # 24     |
| 64) 4,6-Dinitro-2-methylphenol | 10.82 | 198  | 364      | 7.634  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.82 | 248  | 20237    | 4.464  | ng    | # 1      |

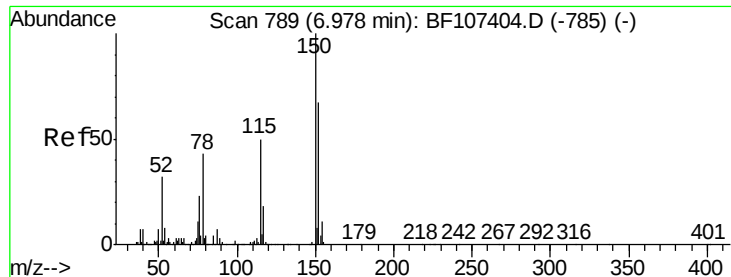
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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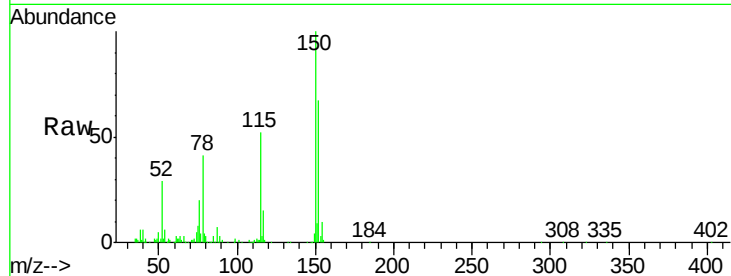


#1

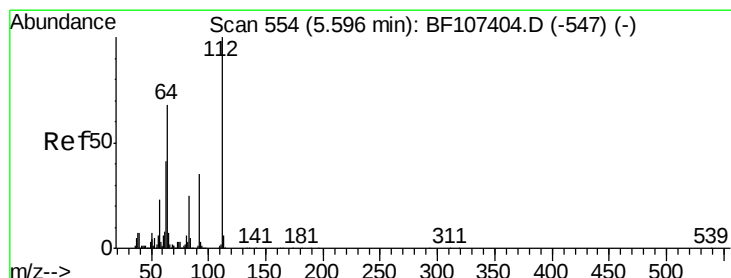
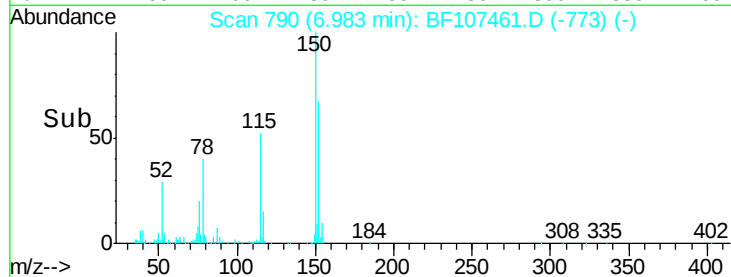
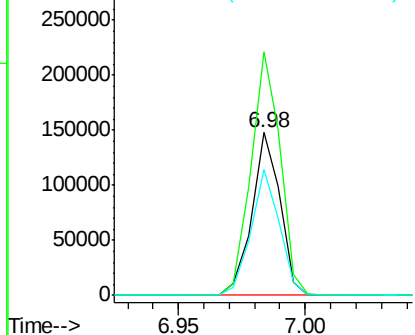
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.98 min Scan# 790  
Delta R.T. 0.00 min  
Lab File: BF107461.D  
Acq: 17 Jul 2018 20:34

Instrument :  
BNA\_F  
ClientSampleId :  
TP-I-D

Tgt Ion:152 Resp: 114762  
Ion Ratio Lower Upper  
152 100  
150 149.6 124.6 186.8  
115 77.1 50.1 75.1#



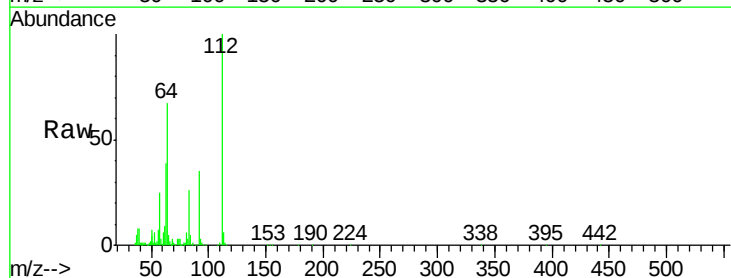
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



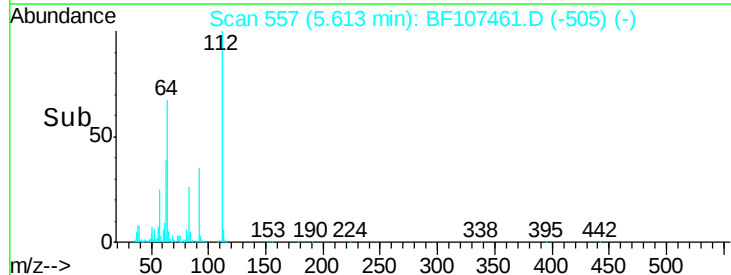
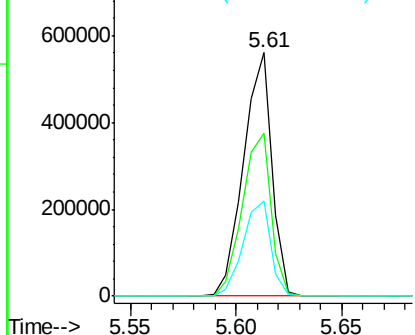
#5

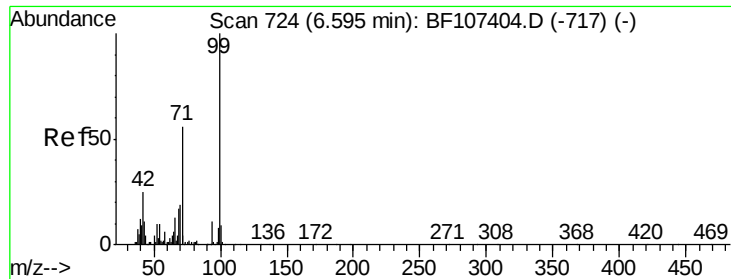
2-Fluorophenol  
Concen: 69.098 ng  
RT: 5.61 min Scan# 557  
Delta R.T. 0.01 min  
Lab File: BF107461.D  
Acq: 17 Jul 2018 20:34

Tgt Ion:112 Resp: 522133  
Ion Ratio Lower Upper  
112 100  
64 66.9 47.9 71.9  
63 39.2 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: 68.269 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.00 min

Lab File: BF107461.D

Acq: 17 Jul 2018 20:34

Instrument :

BNA\_F

ClientSampleId :

TP-I-D

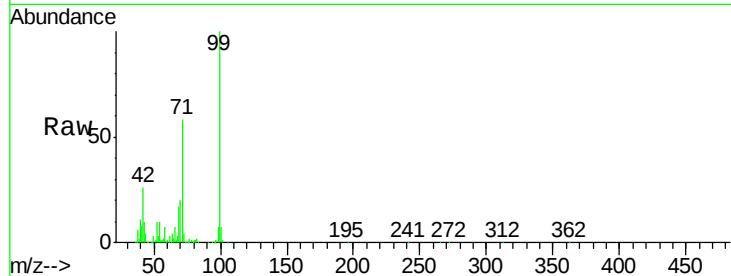
Tgt Ion: 99 Resp: 666954

Ion Ratio Lower Upper

99 100

42 25.5 14.5 21.7#

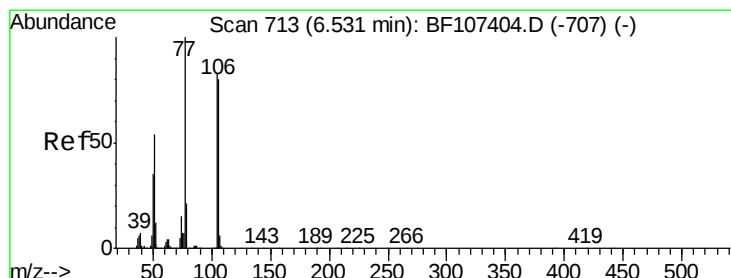
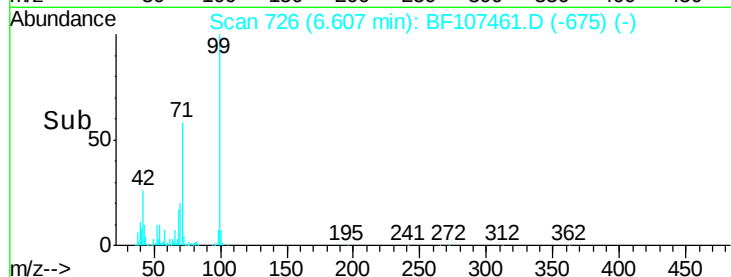
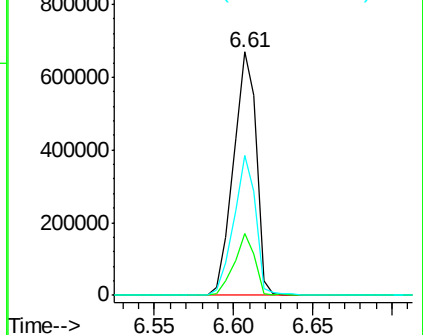
71 57.7 25.4 38.0#



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: 2.220 ng

RT: 6.75 min Scan# 751

Delta R.T. 0.21 min

Lab File: BF107461.D

Acq: 17 Jul 2018 20:34

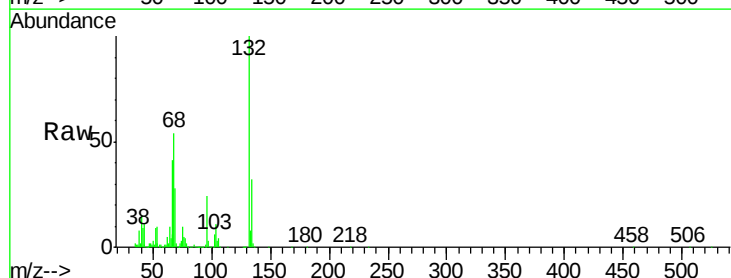
Tgt Ion: 77 Resp: 17445

Ion Ratio Lower Upper

77 100

105 92.8 81.1 121.1

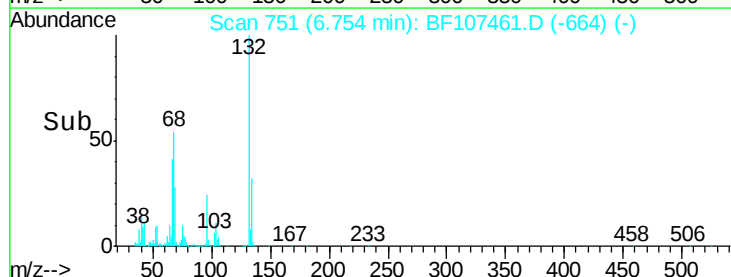
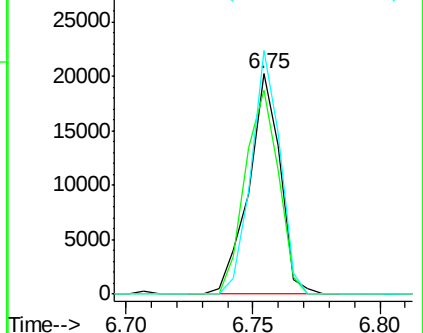
106 110.5 74.5 114.5

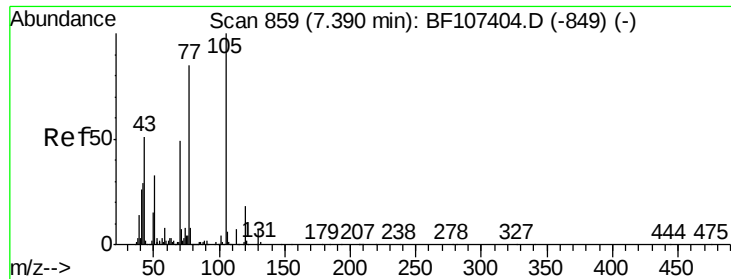


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

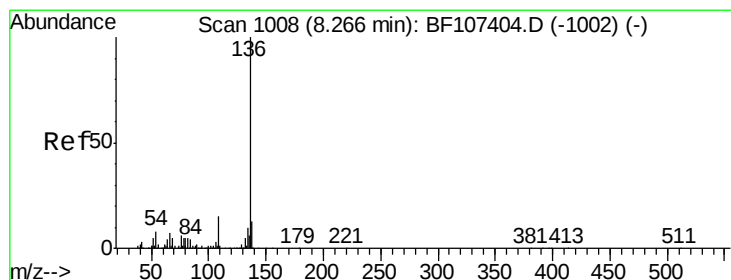
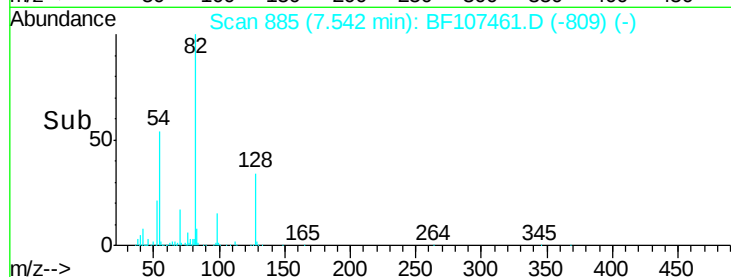
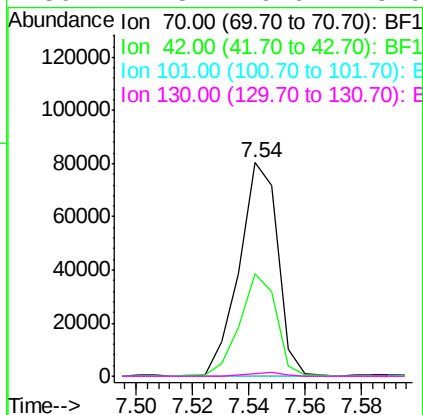
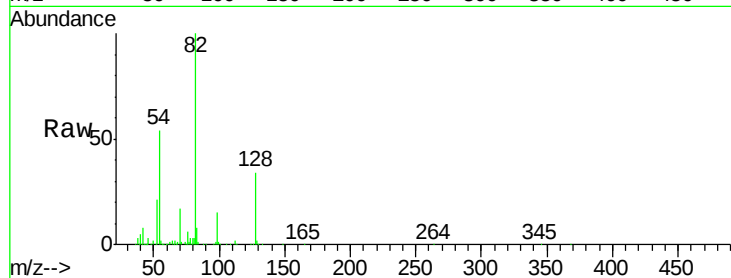




#19  
n-Nitroso-di-n-propylamine  
Concen: 10.868 ng  
RT: 7.54 min Scan# 885  
Delta R.T. 0.15 min  
Lab File: BF107461.D  
Acq: 17 Jul 2018 20:34

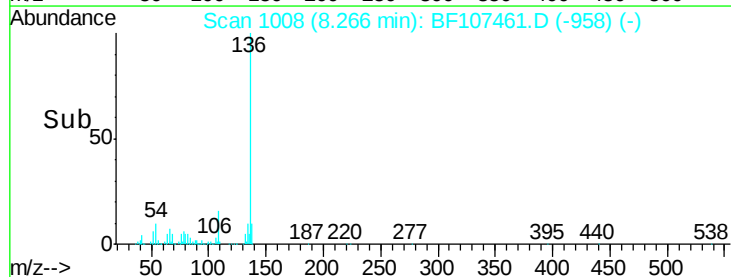
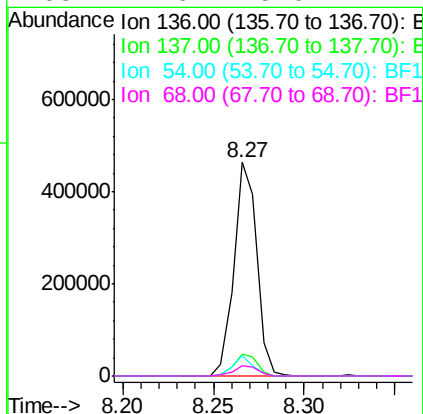
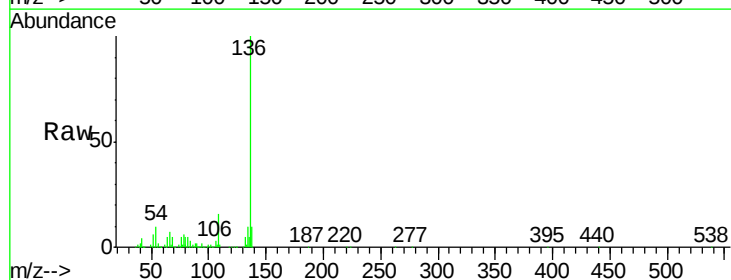
Instrument :  
BNA\_F  
ClientSampleId :  
TP-I-D

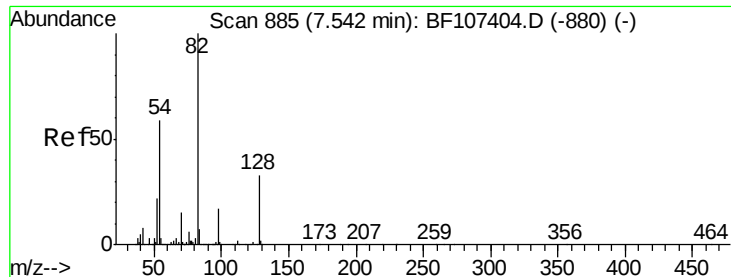
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 76025 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 47.9  | 47.5  | 71.3  |
| 101      | 0.0   | 7.4   | 11.2# |
| 130      | 1.3   | 16.6  | 25.0# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.27 min Scan# 1008  
Delta R.T. -0.01 min  
Lab File: BF107461.D  
Acq: 17 Jul 2018 20:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 406879 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.0  | 8.9   | 13.3   |
| 54       | 9.7   | 6.6   | 9.8    |
| 68       | 4.6   | 5.0   | 7.4#   |

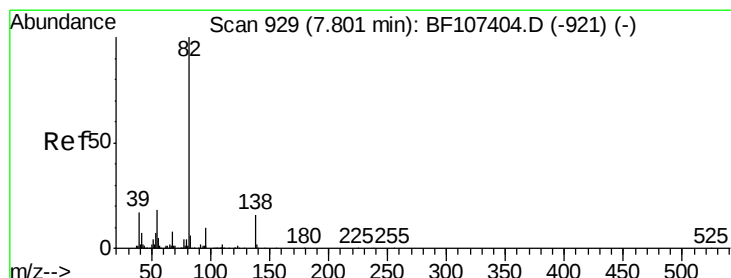
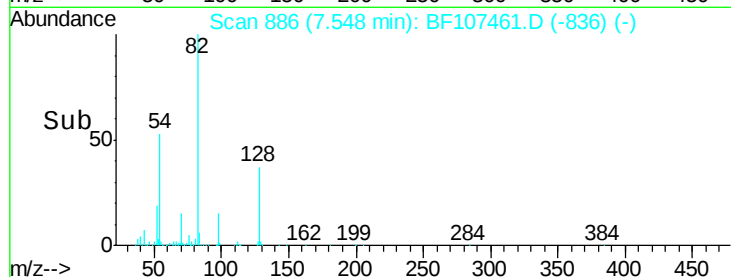
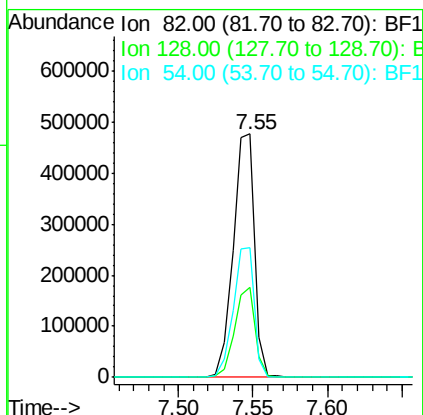
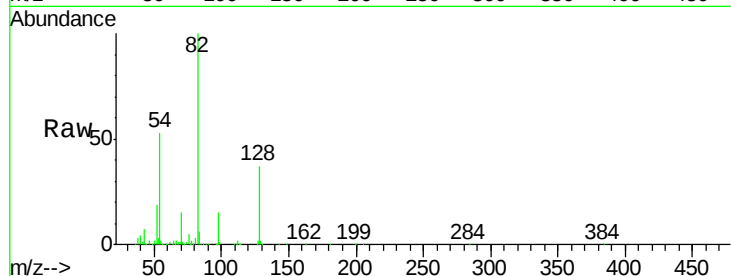




#23  
Nitrobenzene-d5  
Concen: 62.817 ng  
RT: 7.55 min Scan# 886  
Delta R.T. -0.01 min  
Lab File: BF107461.D  
Acq: 17 Jul 2018 20:34

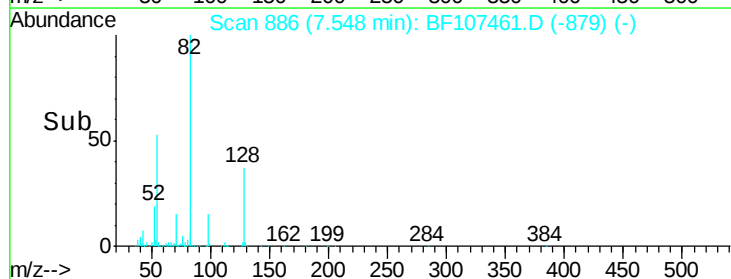
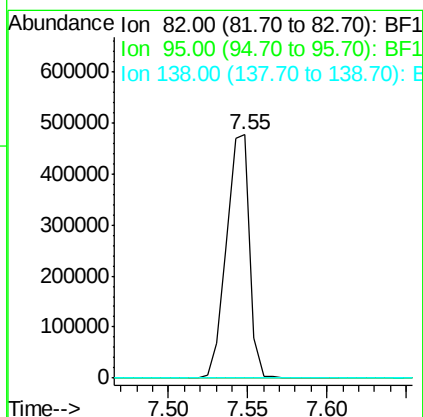
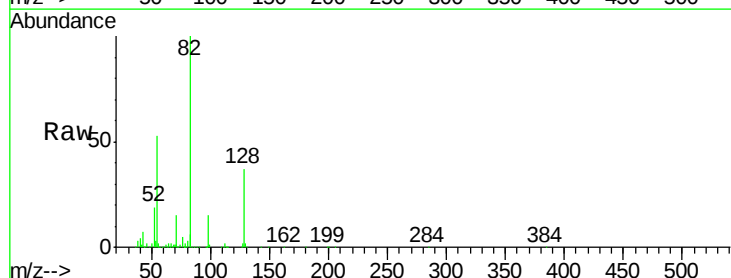
Instrument :  
BNA\_F  
ClientSampleId :  
TP-I-D

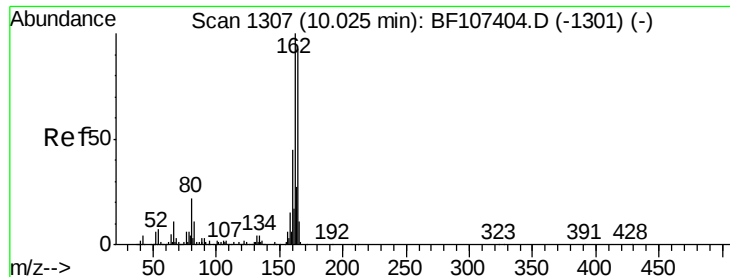
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 37.0  | 36.1  | 54.1  |
| 54      | 53.1  | 41.4  | 62.2  |



#25  
Isophorone  
Concen: 31.684 ng  
RT: 7.55 min Scan# 886  
Delta R.T. -0.26 min  
Lab File: BF107461.D  
Acq: 17 Jul 2018 20:34

| Tgt 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: 10.03 min Scan# 1308

Delta R.T. -0.00 min

Lab File: BF107461.D

Acq: 17 Jul 2018 20:34

Instrument :

BNA\_F

ClientSampleId :

TP-I-D

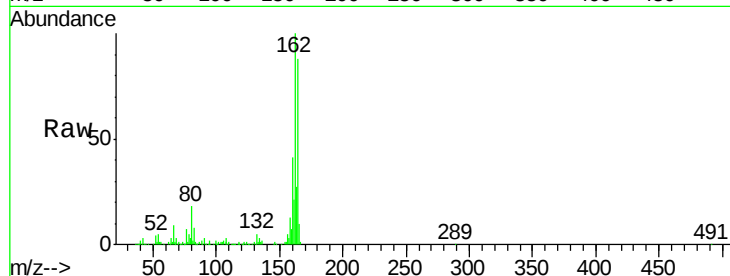
Tgt Ion:164 Resp: 198191

Ion Ratio Lower Upper

164 100

162 113.7 86.1 129.1

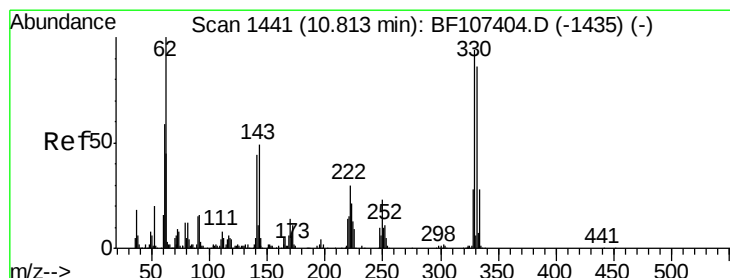
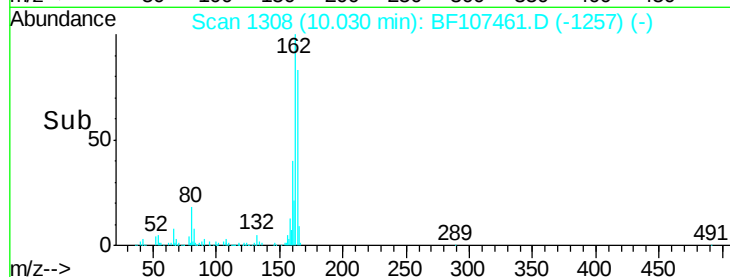
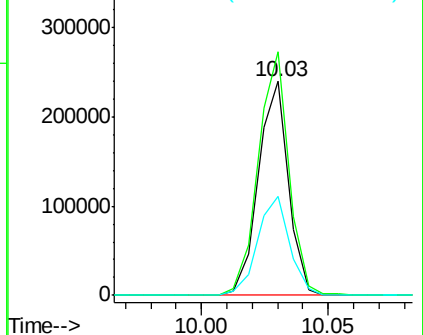
160 46.3 38.3 57.5



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: 75.954 ng

RT: 10.82 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF107461.D

Acq: 17 Jul 2018 20:34

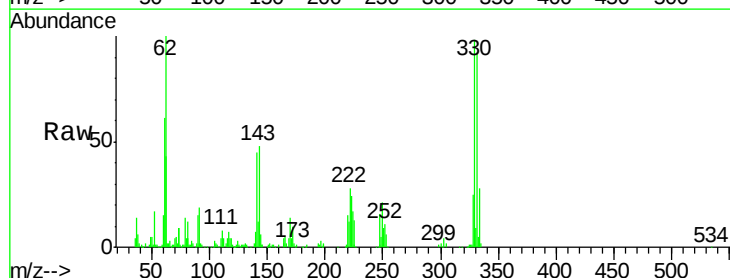
Tgt Ion:330 Resp: 132262

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

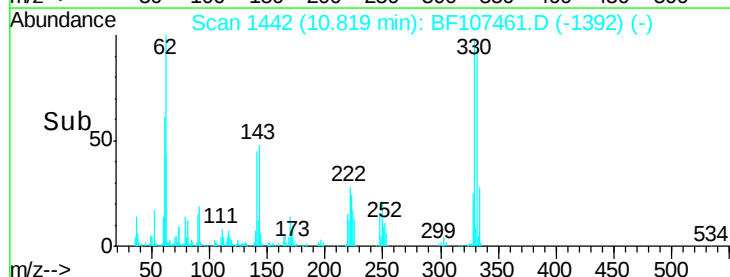
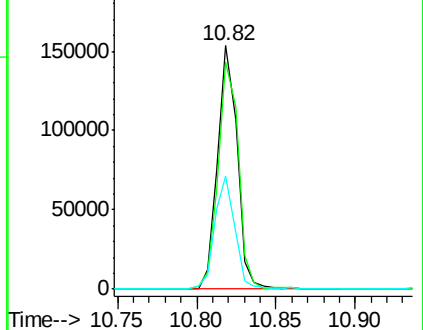
141 47.8 29.9 44.9#

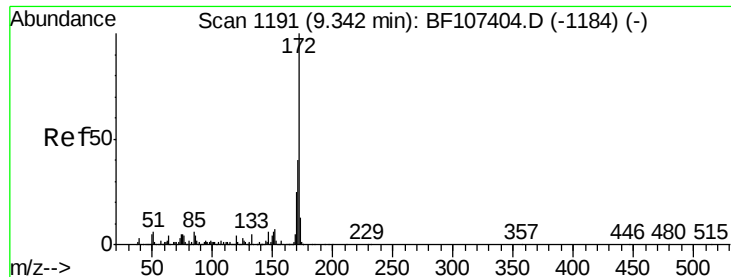


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

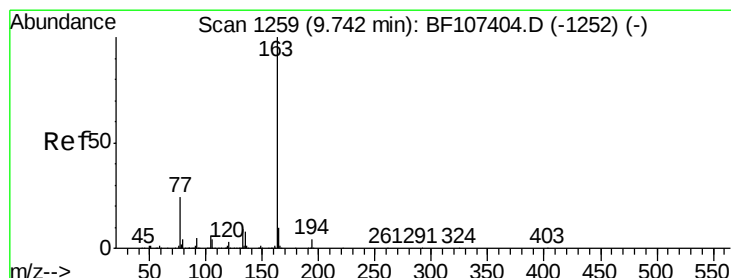
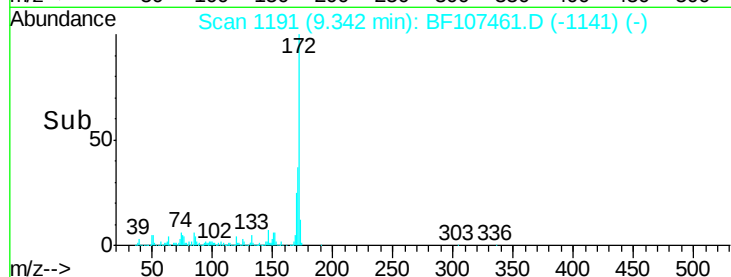
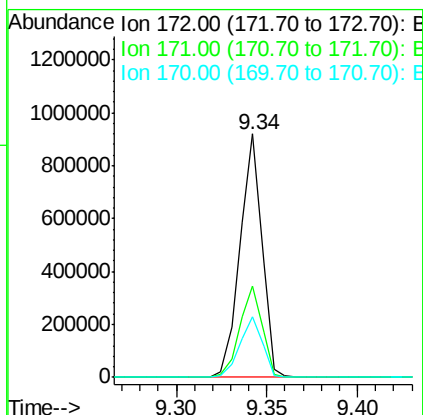
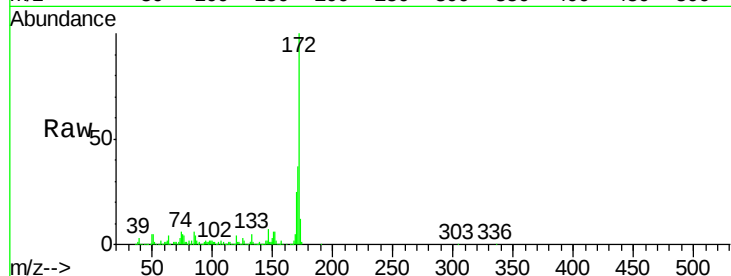




#44  
2-Fluorobiphenyl  
Concen: 62.416 ng  
RT: 9.34 min Scan# 1191  
Delta R.T. -0.01 min  
Lab File: BF107461.D  
Acq: 17 Jul 2018 20:34

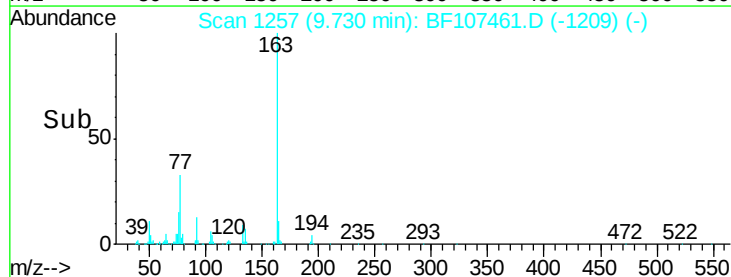
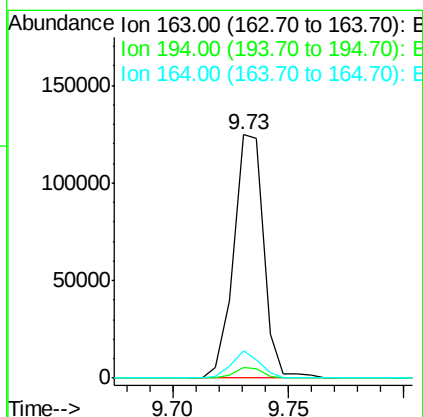
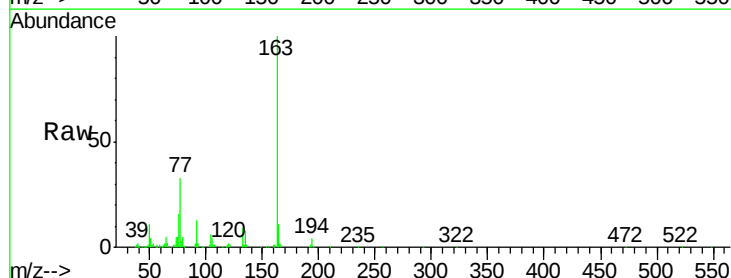
Instrument :  
BNA\_F  
ClientSampleId :  
TP-I-D

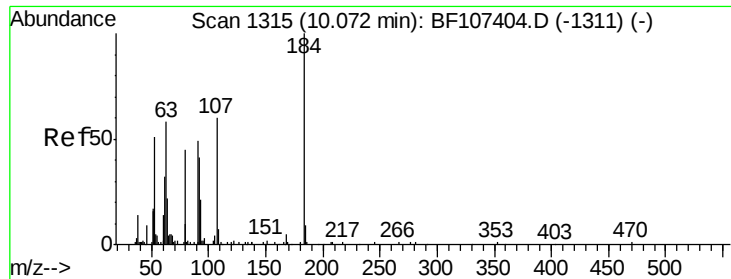
Tgt Ion:172 Resp: 776151  
Ion Ratio Lower Upper  
172 100  
171 37.3 29.7 44.5  
170 24.9 19.6 29.4



#49  
Dimethylphthalate  
Concen: 7.219 ng  
RT: 9.73 min Scan# 1257  
Delta R.T. -0.02 min  
Lab File: BF107461.D  
Acq: 17 Jul 2018 20:34

Tgt Ion:163 Resp: 113681  
Ion Ratio Lower Upper  
163 100  
194 4.5 2.7 4.1#  
164 11.3 8.2 12.2

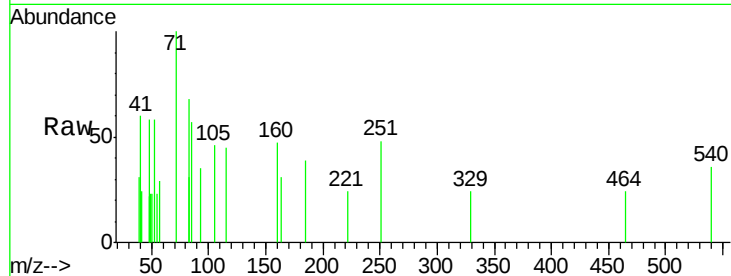




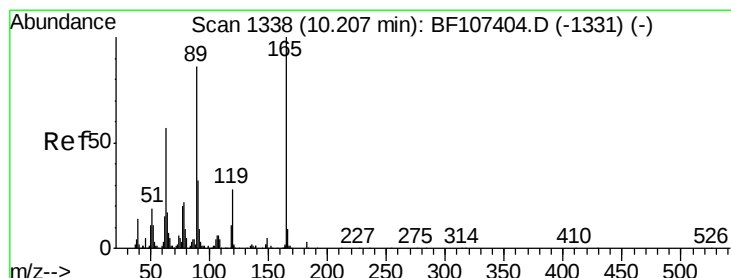
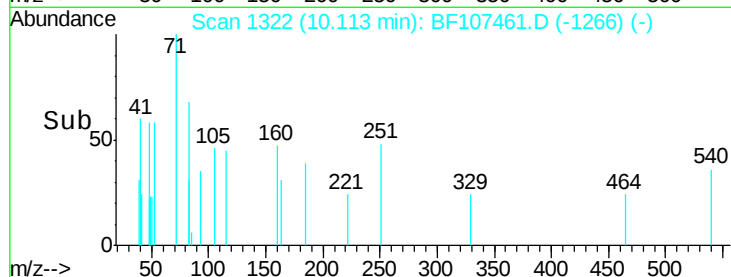
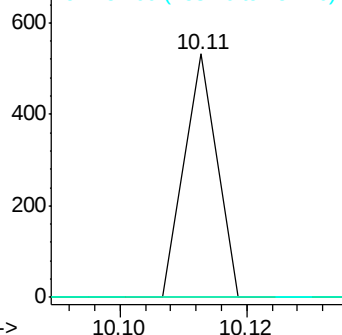
#53  
2,4-Dinitrophenol  
Concen: 2.508 ng  
RT: 10.11 min Scan# 1322  
Delta R.T. 0.03 min  
Lab File: BF107461.D  
Acq: 17 Jul 2018 20:34

Instrument :  
BNA\_F  
ClientSampleId :  
TP-I-D

Tgt Ion:184 Resp: 188  
Ion Ratio Lower Upper  
184 100  
63 0.0 54.2 81.2#  
154 0.0 184.0 276.0#

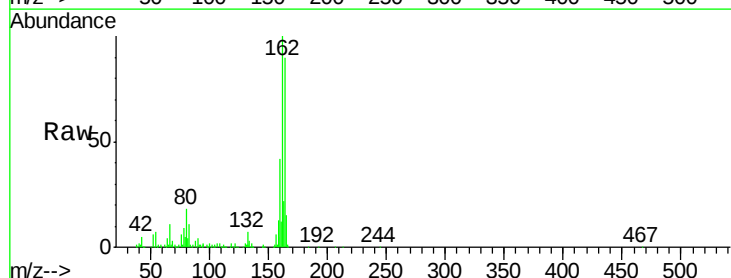


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E

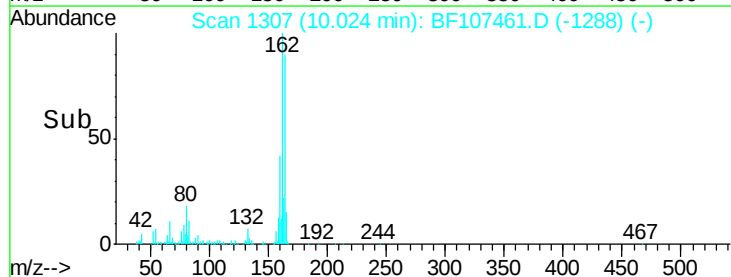
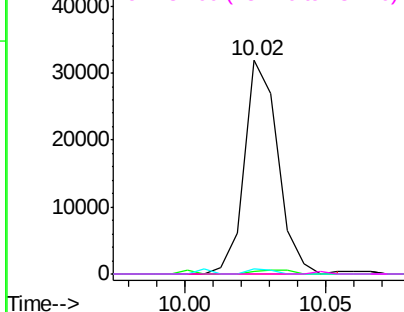


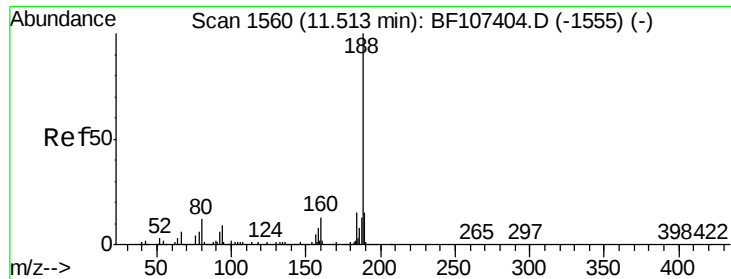
#56  
2,4-Dinitrotoluene  
Concen: 6.676 ng  
RT: 10.02 min Scan# 1307  
Delta R.T. -0.19 min  
Lab File: BF107461.D  
Acq: 17 Jul 2018 20:34

Tgt Ion:165 Resp: 26149  
Ion Ratio Lower Upper  
165 100  
63 1.1 36.4 54.6#  
89 2.3 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

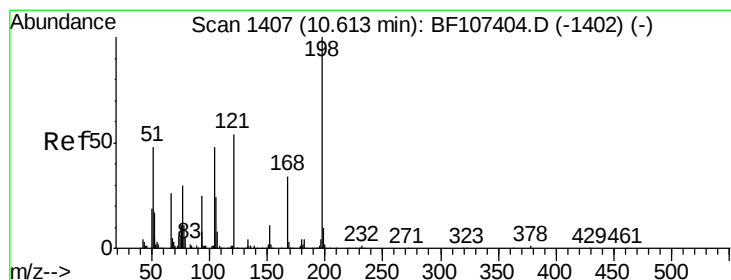
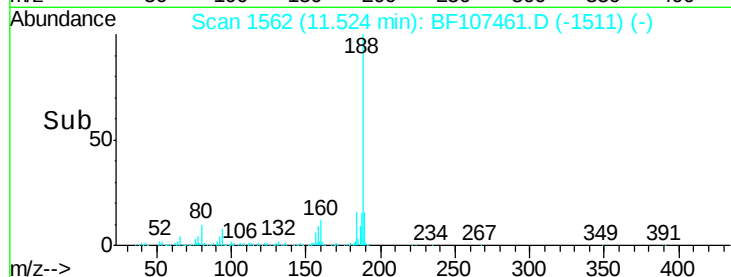
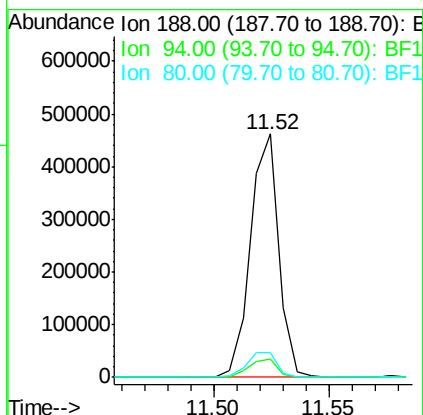
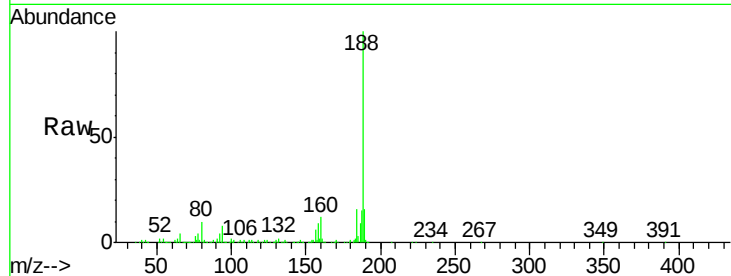




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.52 min Scan# 1562  
Delta R.T. -0.00 min  
Lab File: BF107461.D  
Acq: 17 Jul 2018 20:34

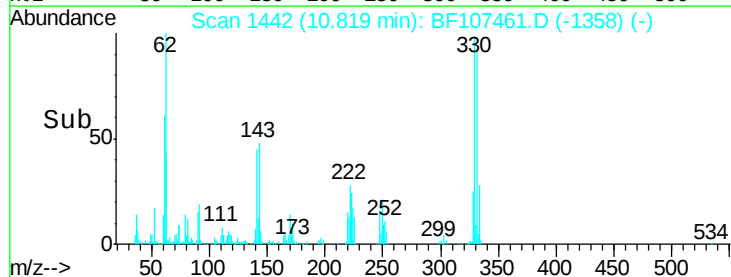
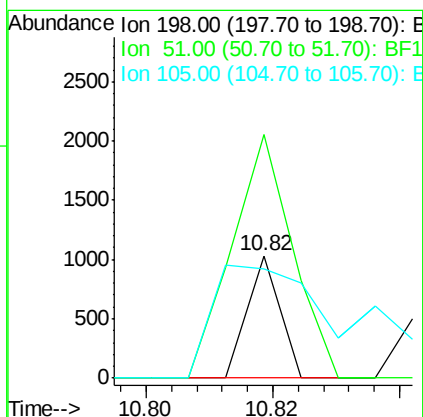
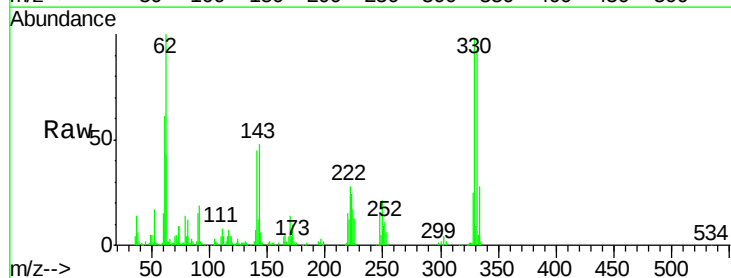
Instrument :  
BNA\_F  
ClientSampleId :  
TP-I-D

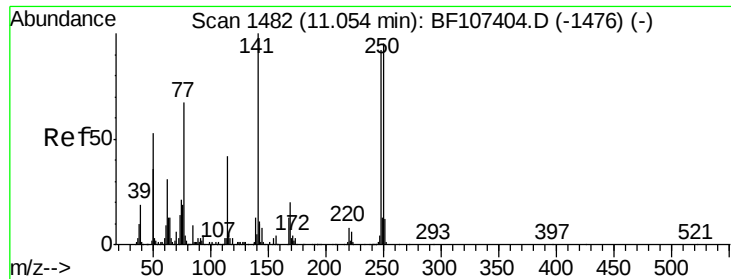
Tgt Ion:188 Resp: 396244  
Ion Ratio Lower Upper  
188 100  
94 7.7 8.5 12.7#  
80 10.1 9.2 13.8



#64  
4,6-Dinitro-2-methylphenol  
Concen: 7.634 ng  
RT: 10.82 min Scan# 1442  
Delta R.T. 0.19 min  
Lab File: BF107461.D  
Acq: 17 Jul 2018 20:34

Tgt Ion:198 Resp: 364  
Ion Ratio Lower Upper  
198 100  
51 199.4 37.7 77.7#  
105 89.5 36.3 76.3#

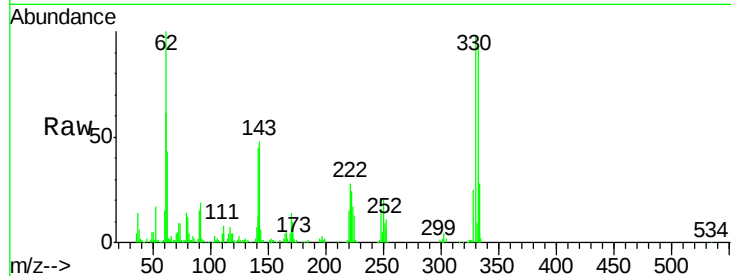




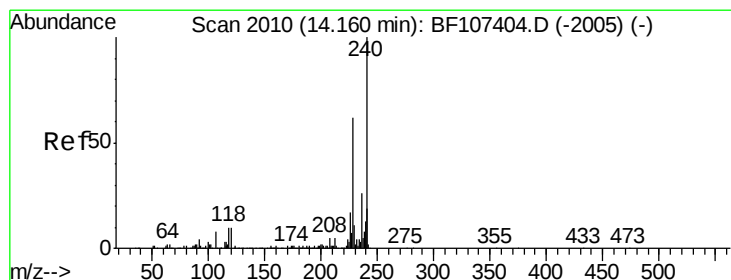
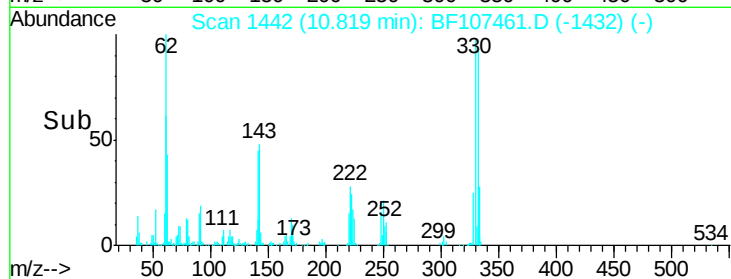
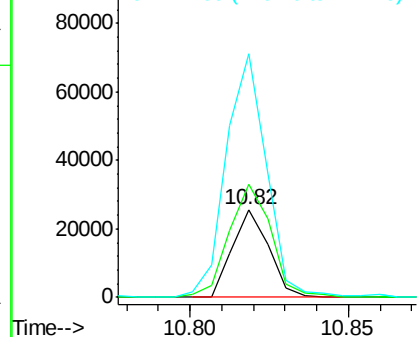
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.464 ng  
 RT: 10.82 min Scan# 1442  
 Delta R.T. -0.24 min  
 Lab File: BF107461.D  
 Acq: 17 Jul 2018 20:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-I-D

Tgt Ion:248 Resp: 20237  
 Ion Ratio Lower Upper  
 248 100  
 250 129.4 76.9 115.3#  
 141 277.3 74.4 111.6#

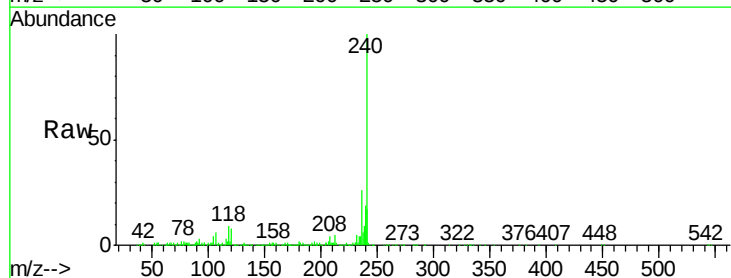


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

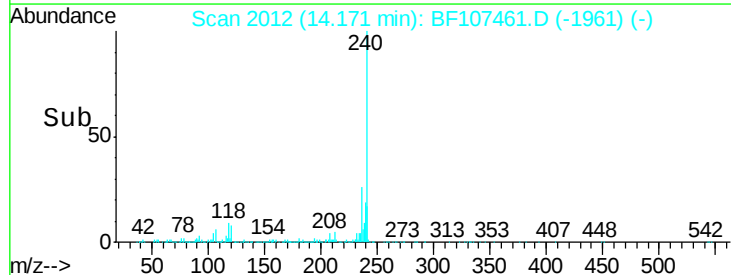
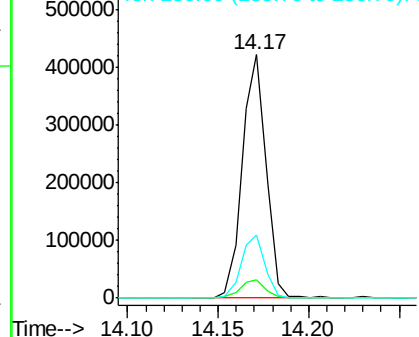


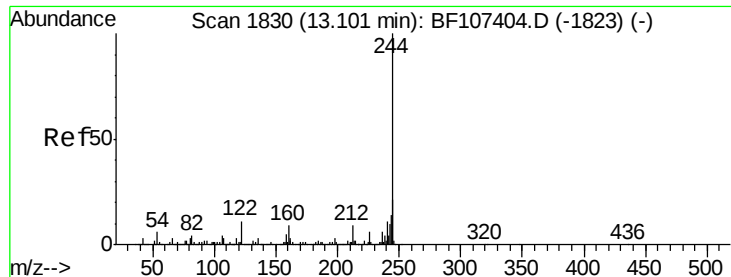
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.17 min Scan# 2012  
 Delta R.T. -0.00 min  
 Lab File: BF107461.D  
 Acq: 17 Jul 2018 20:34

Tgt Ion:240 Resp: 383611  
 Ion Ratio Lower Upper  
 240 100  
 120 7.6 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: 53.458 ng

RT: 13.11 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF107461.D

Acq: 17 Jul 2018 20:34

Instrument :

BNA\_F

ClientSampleId :

TP-I-D

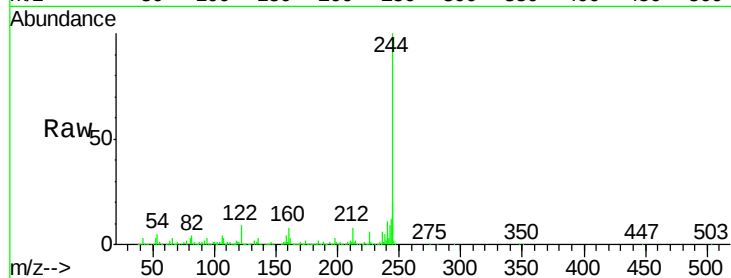
Tgt Ion:244 Resp: 825373

Ion Ratio Lower Upper

244 100

212 8.0 5.4 8.0

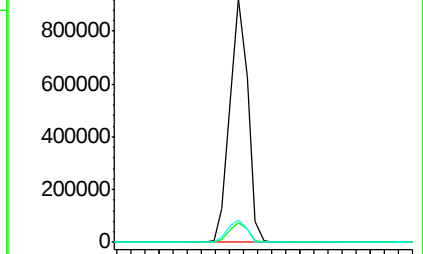
122 9.4 11.0 16.4#



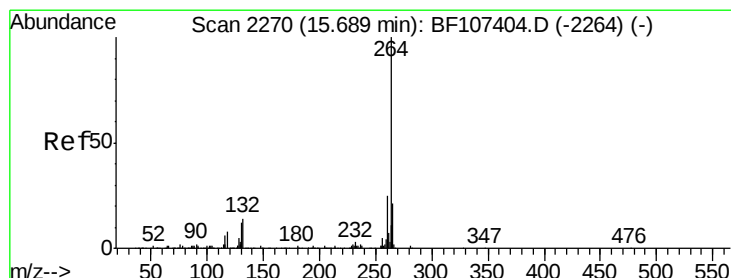
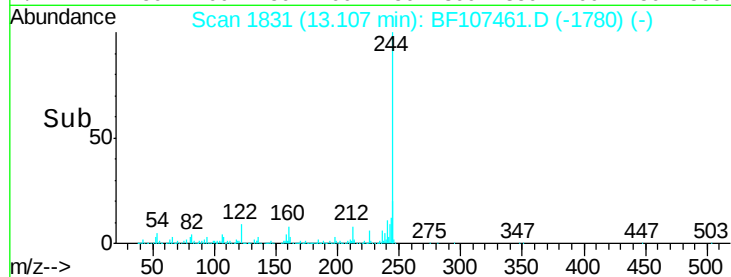
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.71 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF107461.D

Acq: 17 Jul 2018 20:34

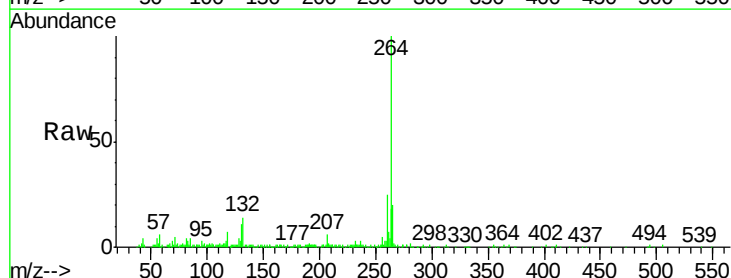
Tgt Ion:264 Resp: 227534

Ion Ratio Lower Upper

264 100

260 25.3 19.2 28.8

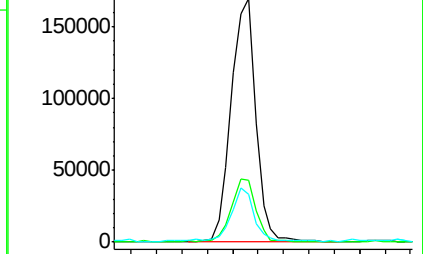
265 19.7 17.5 26.3



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



Time-->

