

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043018\  
 Data File : BF104936.D  
 Acq On : 30 Apr 2018 16:47  
 Operator : JU/SJ  
 Sample : J2522-04DL2 40X  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 30 18:28:44 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 30 15:20:08 2018  
 Response via : Initial Calibration

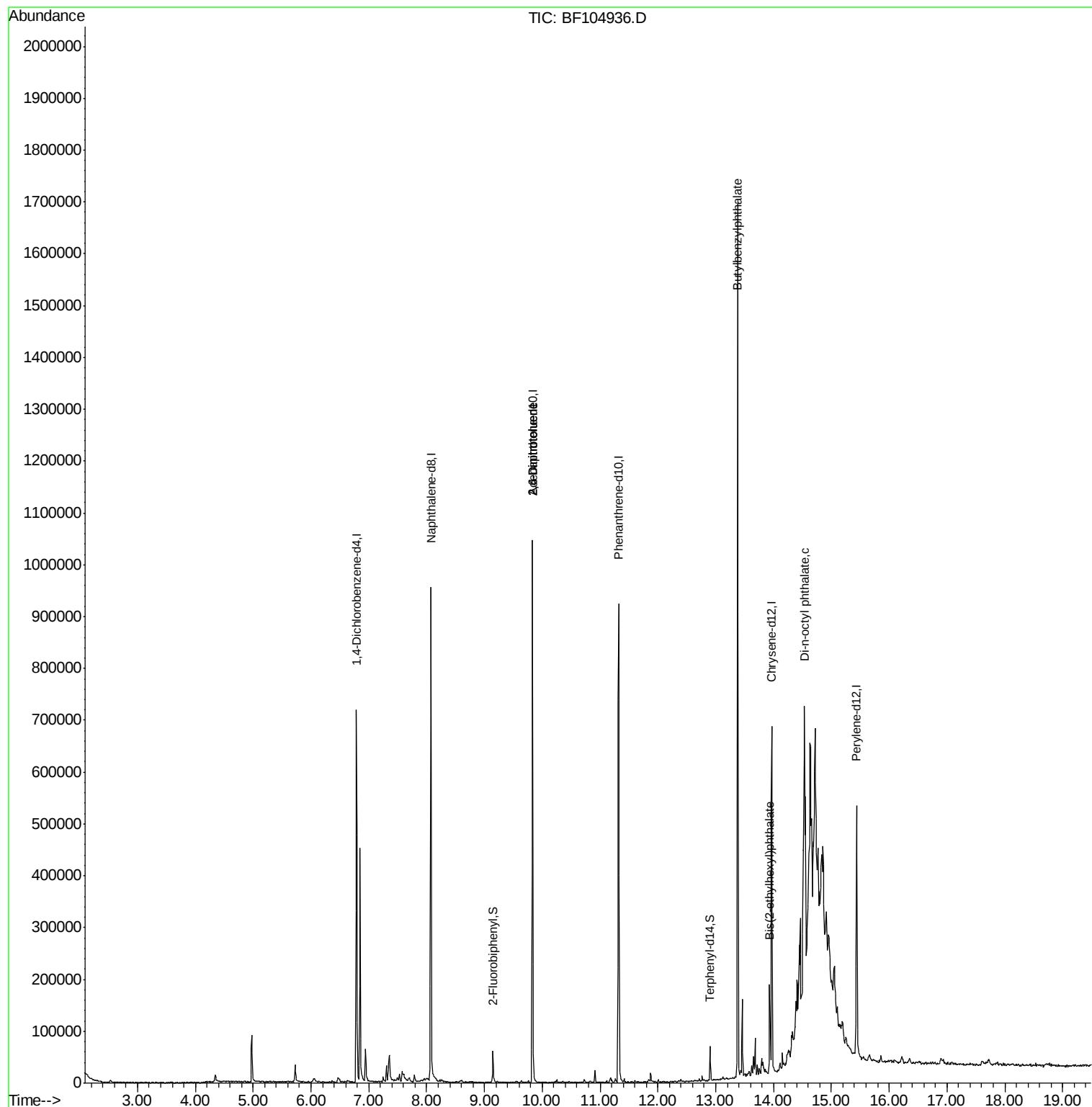
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.79  | 152  | 109338   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.07  | 136  | 459768   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.83  | 164  | 209766   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.32 | 188  | 359277   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 13.97 | 240  | 229195   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12               | 15.44 | 264  | 215856   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 0.00  | 112  | 0        | 0.00      | ng    |          |
| 7) Phenol-d6                   | 6.46  | 99   | 5315     | 0.60      | ng    | 0.02     |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 13053    | 1.85      | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 0.00  | 330  | 0        | 0.00      | ng    |          |
| 44) 2-Fluorobiphenyl           | 9.15  | 172  | 27578    | 2.08      | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.90 | 244  | 22538    | 2.24      | ng    | -0.01    |
| Target Compounds               |       |      |          |           |       |          |
| 50) 2,6-Dinitrotoluene         | 9.83  | 165  | 25874    | 8.453     | ng    | # 25     |
| 56) 2,4-Dinitrotoluene         | 9.83  | 165  | 25874    | 6.444     | ng    | # 23     |
| 76) Benzidine                  | 12.90 | 184  | 121      | Below Cal |       | # 66     |
| 79) Butylbenzylphthalate       | 13.38 | 149  | 378202   | 47.254    | ng    | 98       |
| 83) Bis(2-ethylhexyl)phthalate | 13.93 | 149  | 51128    | 4.966     | ng    | 97       |
| 84) Di-n-octyl phthalate       | 14.53 | 149  | 322326   | 18.738    | ng    | # 69     |

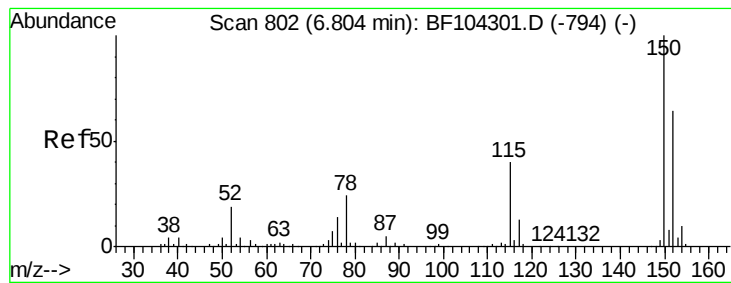
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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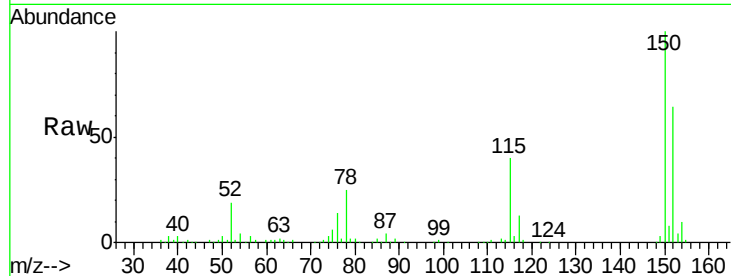


#1

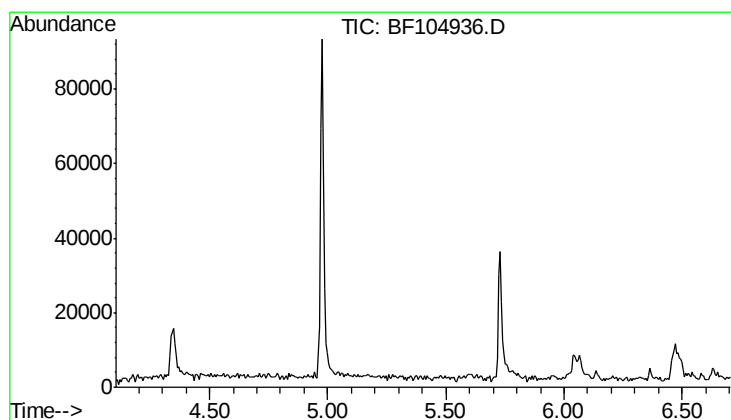
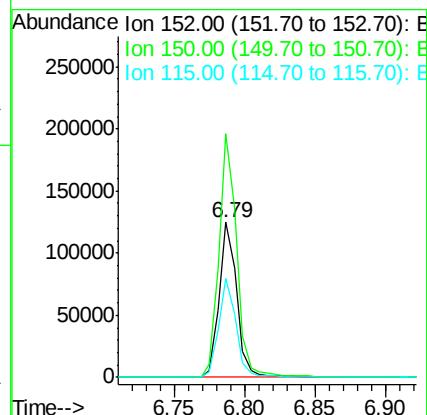
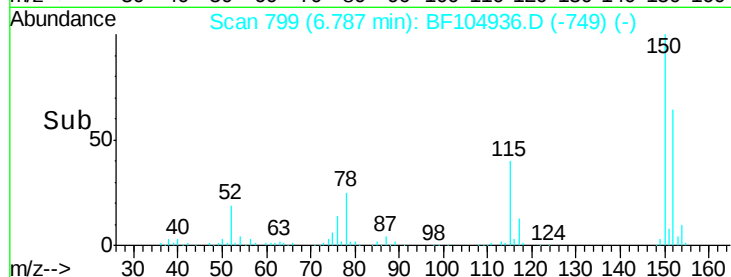
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 799  
Delta R.T. -0.01 min  
Lab File: BF104936.D  
Acq: 30 Apr 2018 16:47

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 109338  
Ion Ratio Lower Upper  
152 100  
150 157.4 124.6 186.8  
115 63.7 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

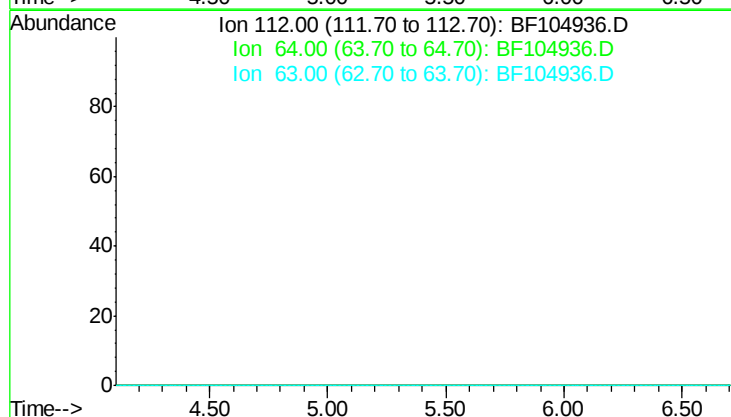


#5

2-Fluorophenol  
Concen: 0.000 ng  
Expected RT: 5.40 min

Lab File: BF104936.D  
Acq: 30 Apr 2018 16:47

Tgt Ion: 112  
Sig Exp Ratio  
112 100  
64 59.9  
63 29.6





#7

Phenol-d6

Concen: 0.605 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.02 min

Lab File: BF104936.D

Acq: 30 Apr 2018 16:47

Instrument :

BNA\_F

ClientSampleId :

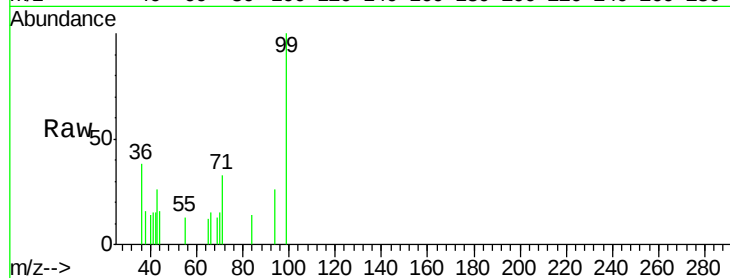
Tot Ion: 99 Resp: 5315

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

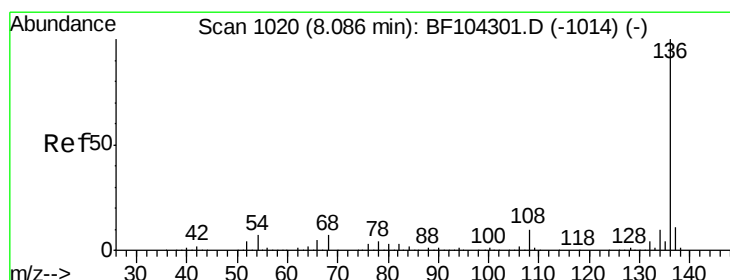
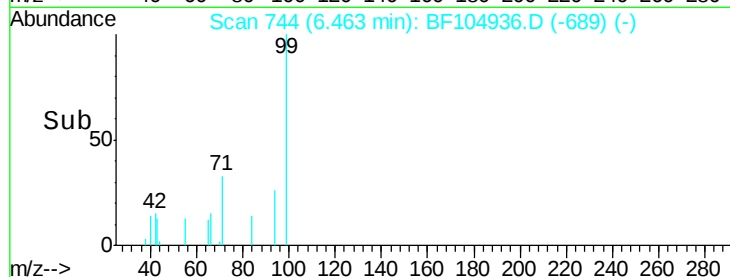
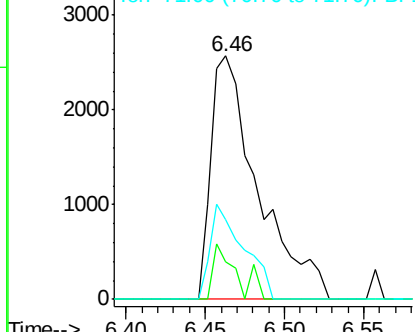
71 32.8 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF104936.D

Acq: 30 Apr 2018 16:47

Tgt Ion: 136 Resp: 459768

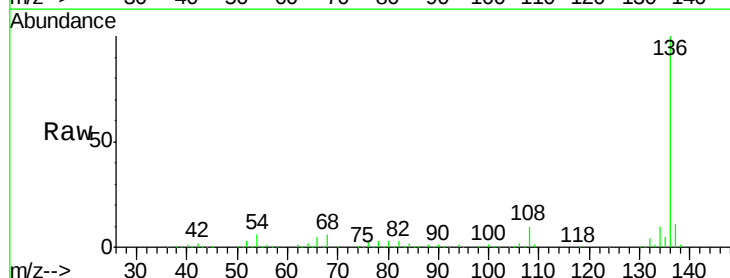
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.2 6.6 9.8#

68 5.5 5.0 7.4

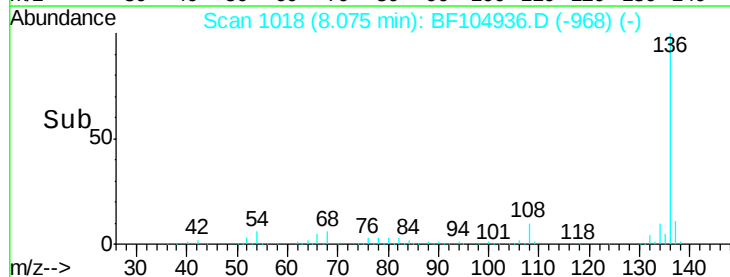
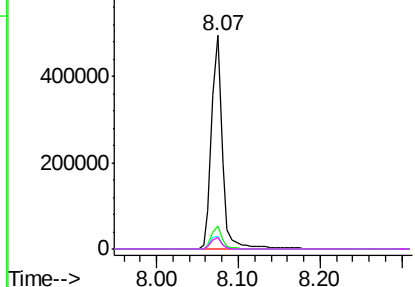


Abundance Ion 136.00 (135.70 to 136.70): E

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

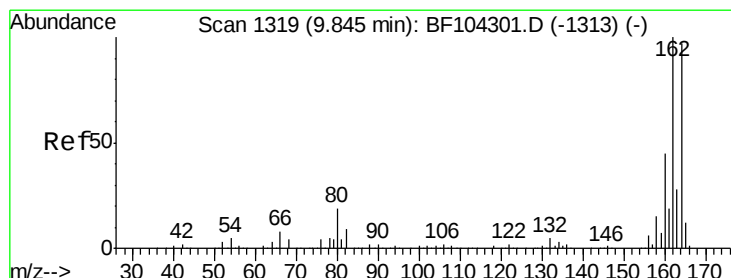
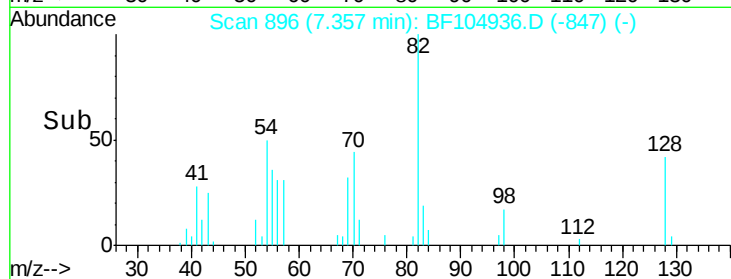
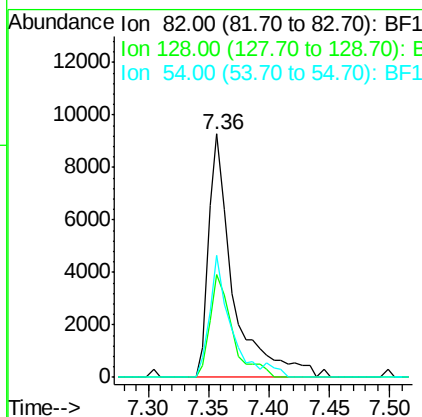
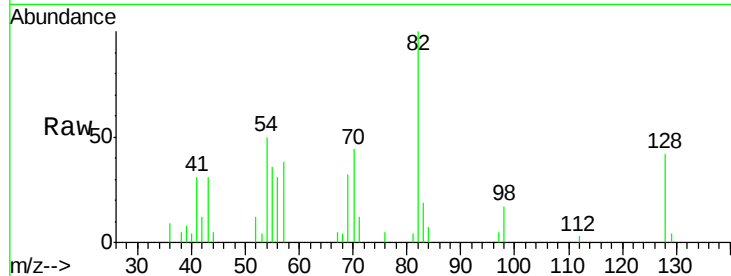




#23  
 Nitrobenzene-d5  
 Concen: 1.854 ng  
 RT: 7.36 min Scan# 896  
 Delta R.T. -0.01 min  
 Lab File: BF104936.D  
 Acq: 30 Apr 2018 16:47

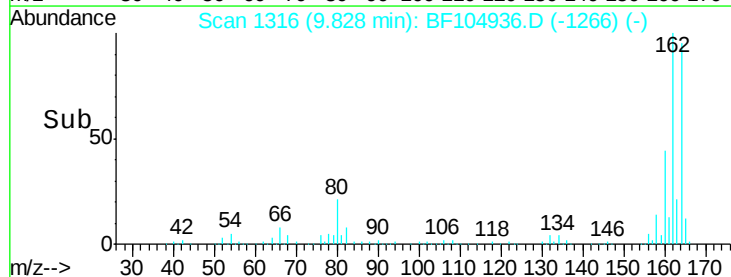
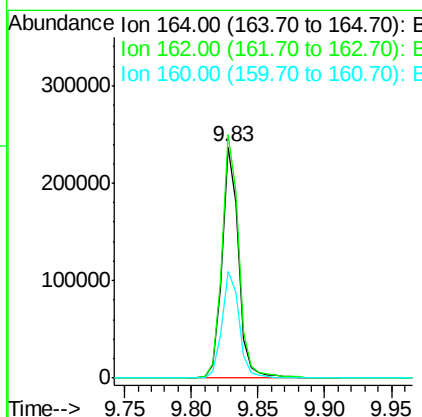
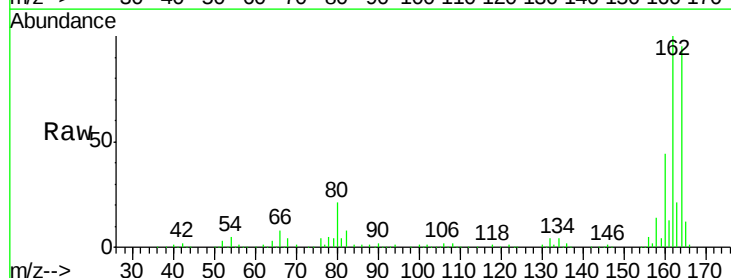
Instrument :  
 BNA\_F  
 ClientSampleId :

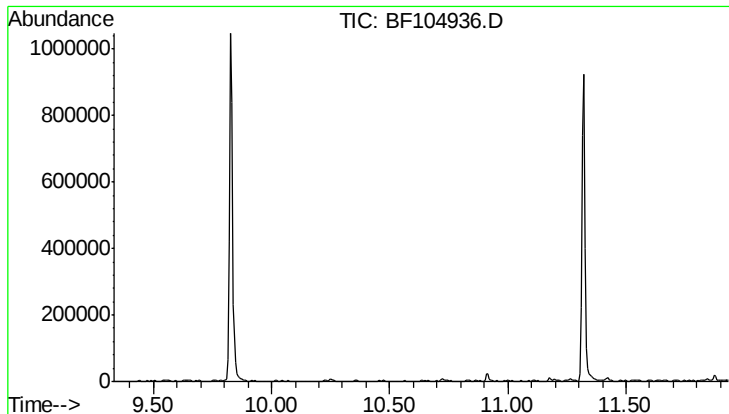
Tot Ion: 82 Resp: 13053  
 Ion Ratio Lower Upper  
 82 100  
 128 42.4 36.1 54.1  
 54 50.2 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.83 min Scan# 1316  
 Delta R.T. -0.01 min  
 Lab File: BF104936.D  
 Acq: 30 Apr 2018 16:47

Tgt Ion: 164 Resp: 209766  
 Ion Ratio Lower Upper  
 164 100  
 162 105.2 86.1 129.1  
 160 45.9 38.3 57.5

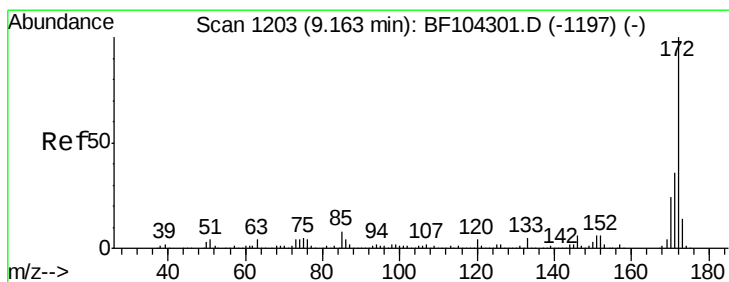
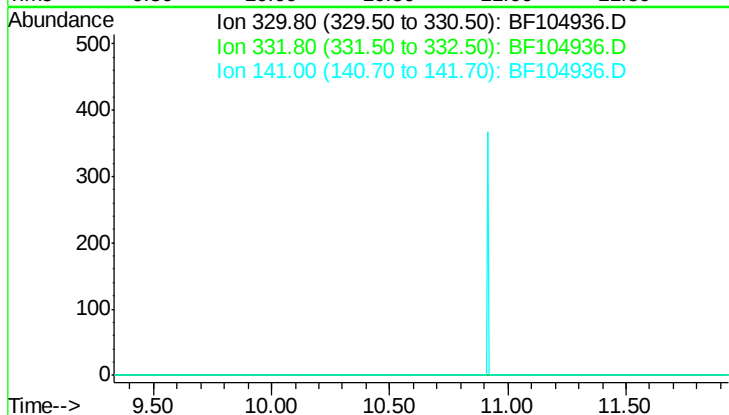




#41  
 2,4,6-Tribromophenol  
 Concen: 0.000 ng  
 Expected RT: 10.63 min  
 Lab File: BF104936.D  
 Acq: 30 Apr 2018 16:47

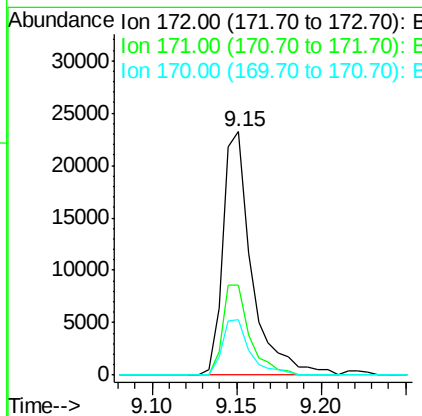
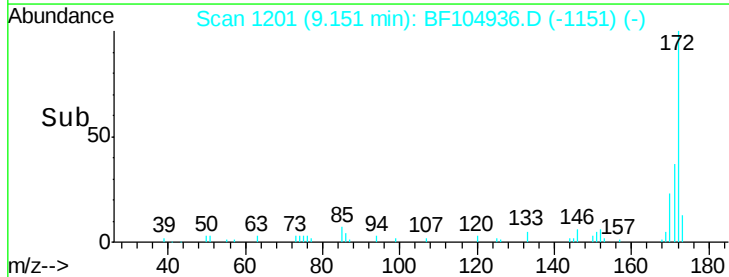
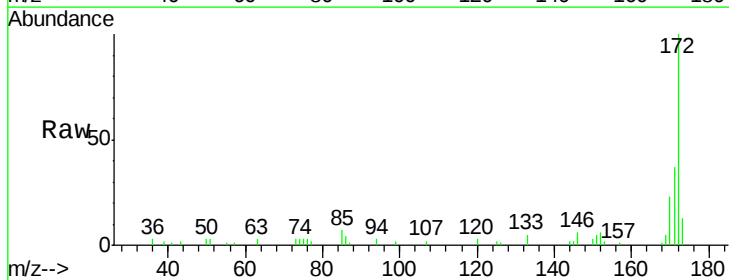
Instrument :  
 BNA\_F  
 ClientSampleId :

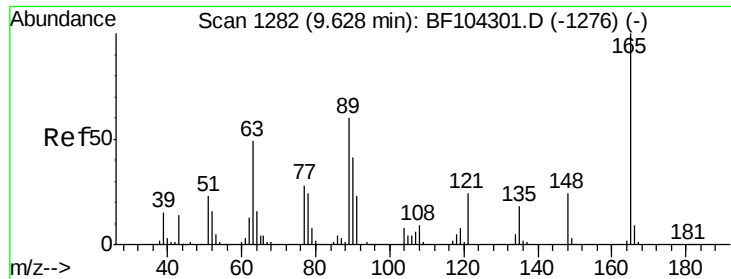
Tot Ion: 330  
 Sig Exp Ratio  
 330 100  
 332 96.3  
 141 37.4



#44  
 2-Fluorobiphenyl  
 Concen: 2.077 ng  
 RT: 9.15 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: BF104936.D  
 Acq: 30 Apr 2018 16:47

Tgt Ion: 172 Resp: 27578  
 Ion Ratio Lower Upper  
 172 100  
 171 37.1 29.7 44.5  
 170 22.6 19.6 29.4

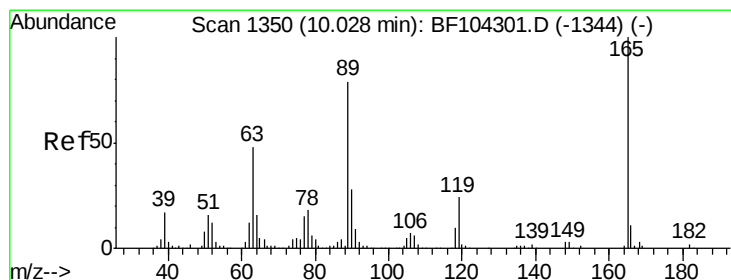
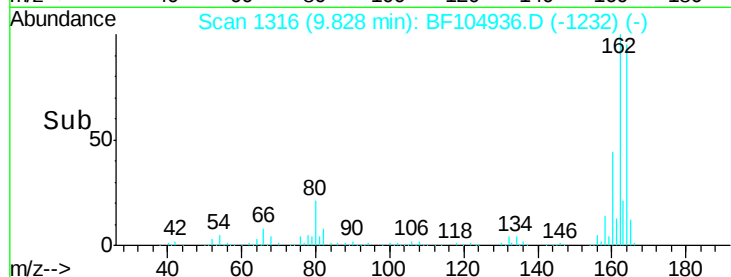
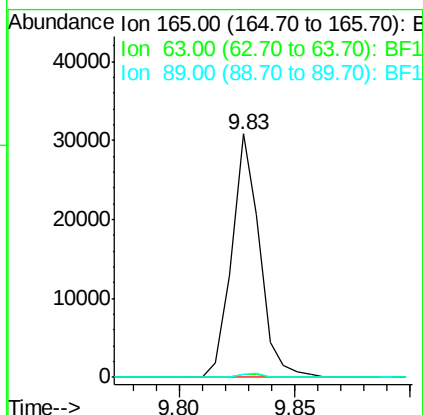
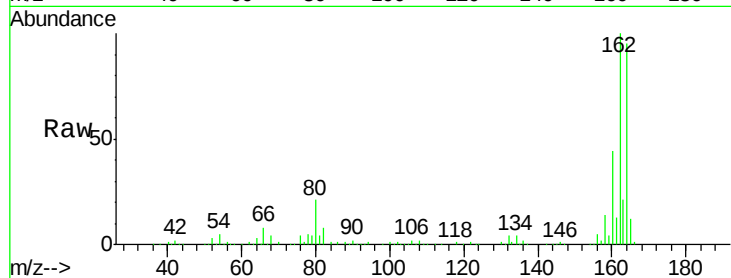




#50  
 2,6-Dinitrotoluene  
 Concen: 8.453 ng  
 RT: 9.83 min Scan# 1316  
 Delta R.T. 0.19 min  
 Lab File: BF104936.D  
 Acq: 30 Apr 2018 16:47

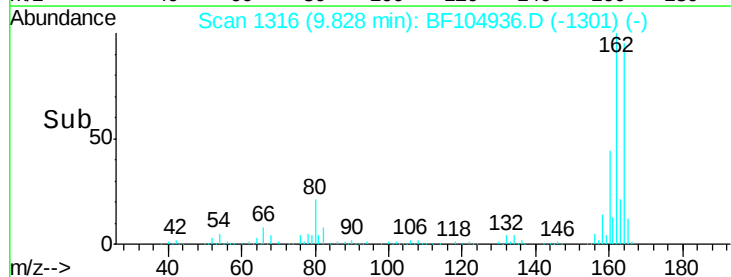
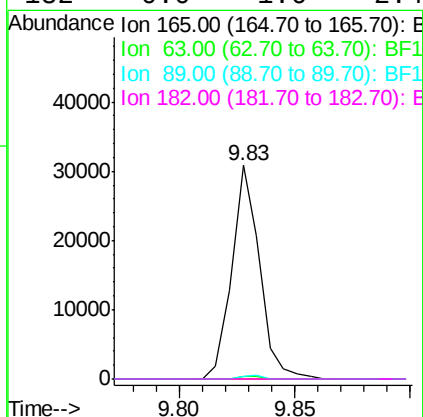
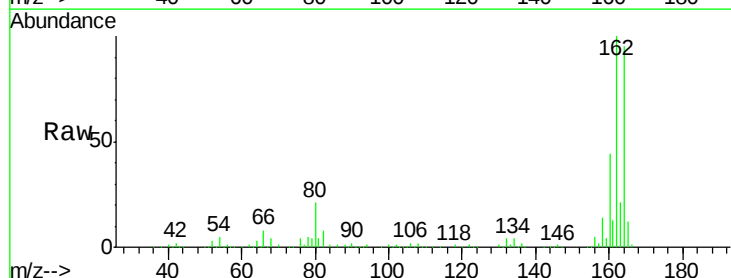
Instrument :  
 BNA\_F  
 ClientSampleId :

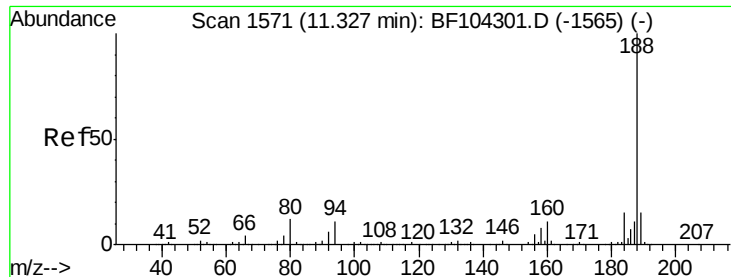
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.0   | 44.7  | 67.1# |
| 89      | 1.1   | 44.0  | 66.0# |



#56  
 2,4-Dinitrotoluene  
 Concen: 6.444 ng  
 RT: 9.83 min Scan# 1316  
 Delta R.T. -0.21 min  
 Lab File: BF104936.D  
 Acq: 30 Apr 2018 16:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.0   | 36.4  | 54.6# |
| 89      | 1.1   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |

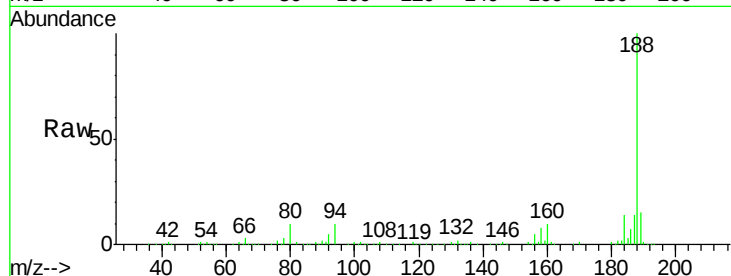




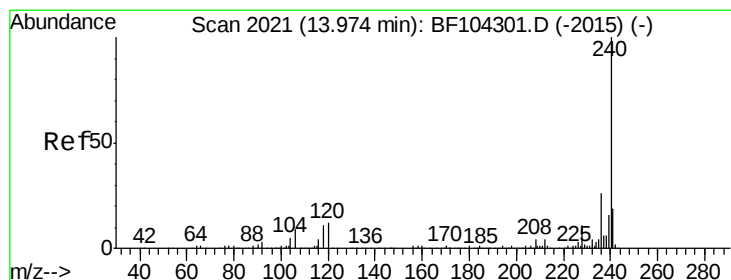
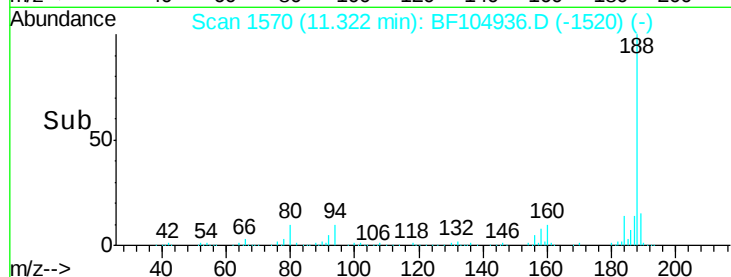
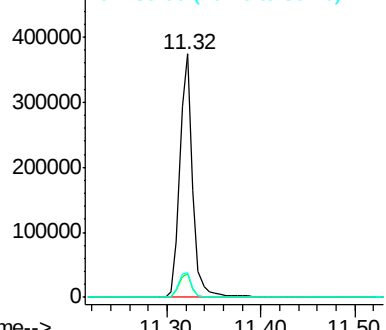
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1570  
Delta R.T. -0.01 min  
Lab File: BF104936.D  
Acq: 30 Apr 2018 16:47

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:188 Resp: 359277  
Ion Ratio Lower Upper  
188 100  
94 9.7 8.5 12.7  
80 10.3 9.2 13.8

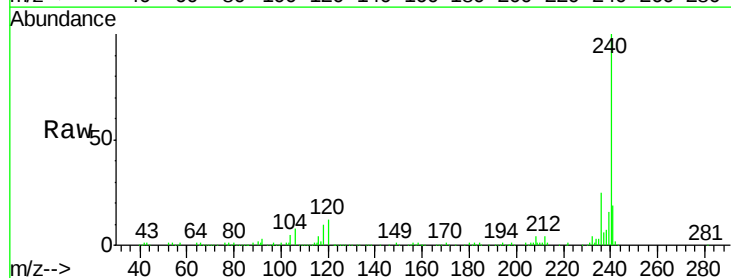


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

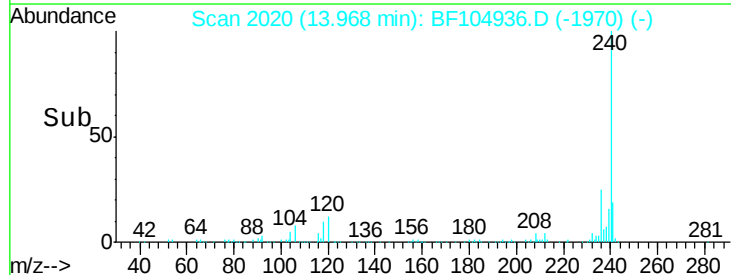
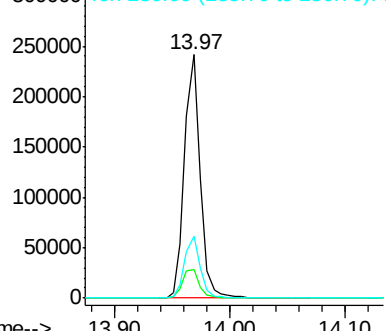


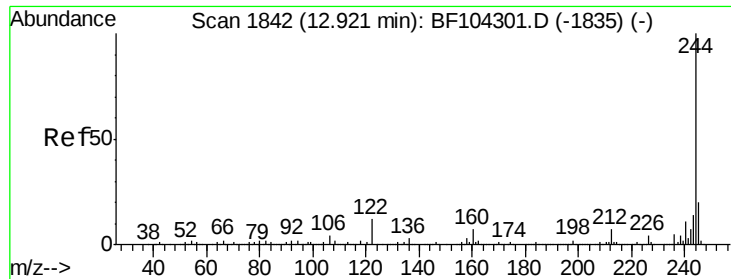
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.97 min Scan# 2020  
Delta R.T. -0.01 min  
Lab File: BF104936.D  
Acq: 30 Apr 2018 16:47

Tgt Ion:240 Resp: 229195  
Ion Ratio Lower Upper  
240 100  
120 11.6 9.5 14.3  
236 25.2 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: 2.242 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF104936.D

Acq: 30 Apr 2018 16:47

Instrument :

BNA\_F

ClientSampleId :

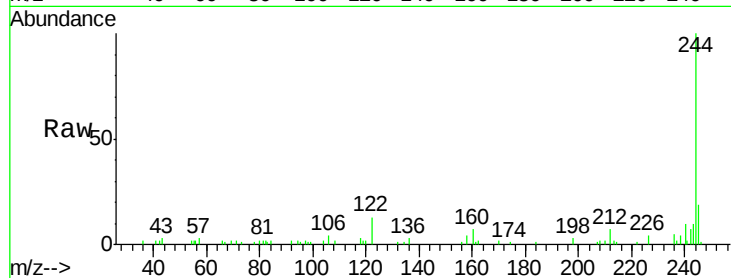
Tot Ion:244 Resp: 22538

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

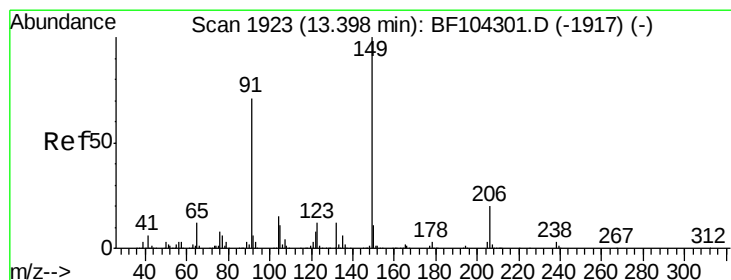
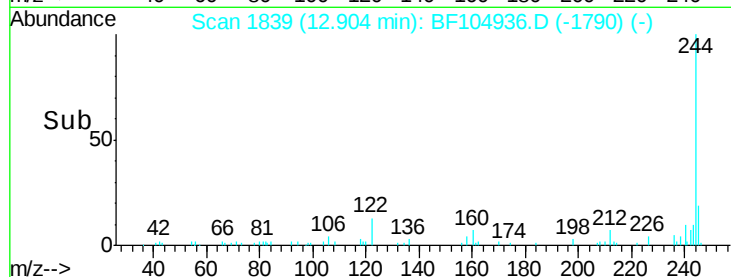
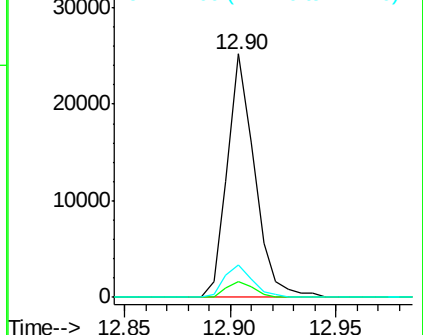
122 13.4 11.0 16.4



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



#79

Butylbenzylphthalate

Concen: 47.254 ng

RT: 13.38 min Scan# 1920

Delta R.T. -0.01 min

Lab File: BF104936.D

Acq: 30 Apr 2018 16:47

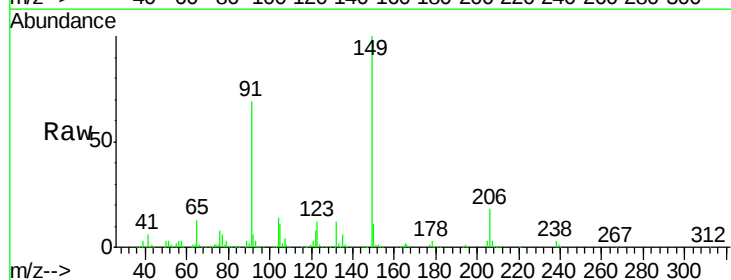
Tgt Ion:149 Resp: 378202

Ion Ratio Lower Upper

149 100

91 69.4 56.8 85.2

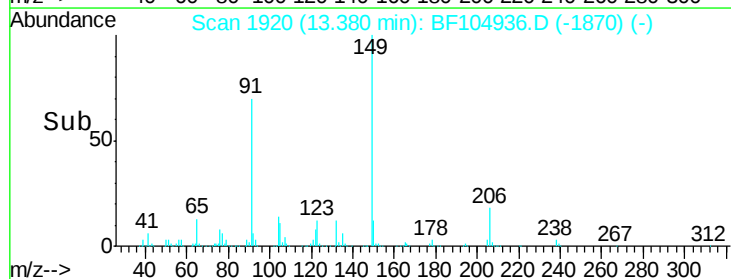
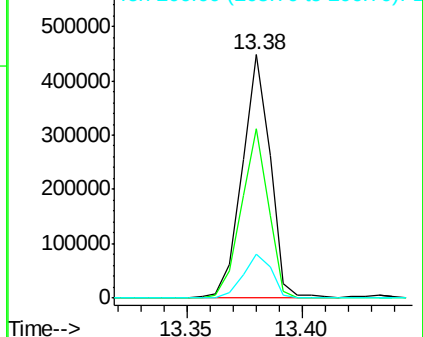
206 18.2 14.1 21.1

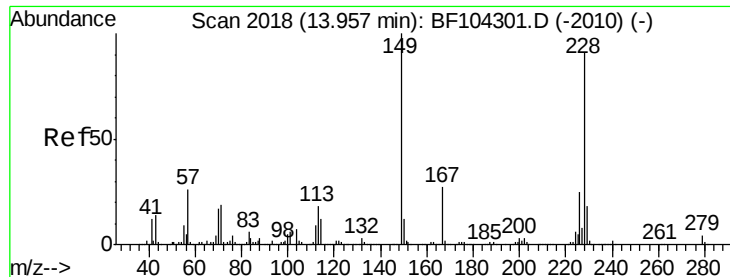


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

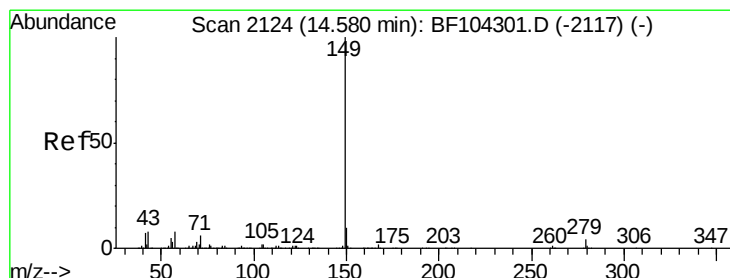
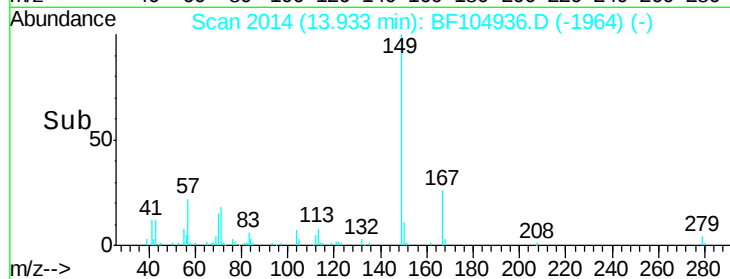
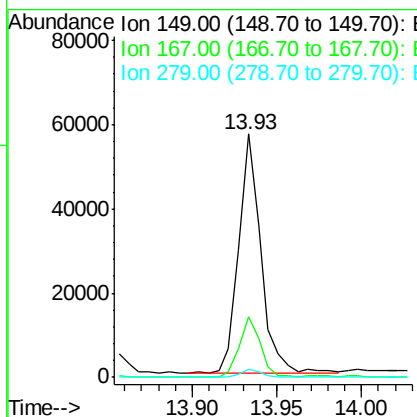
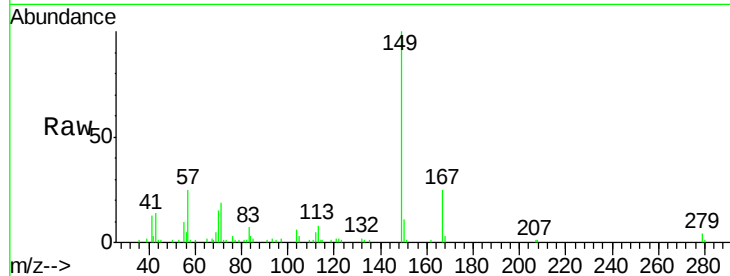




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 4.966 ng  
 RT: 13.93 min Scan# 2014  
 Delta R.T. -0.01 min  
 Lab File: BF104936.D  
 Acq: 30 Apr 2018 16:47

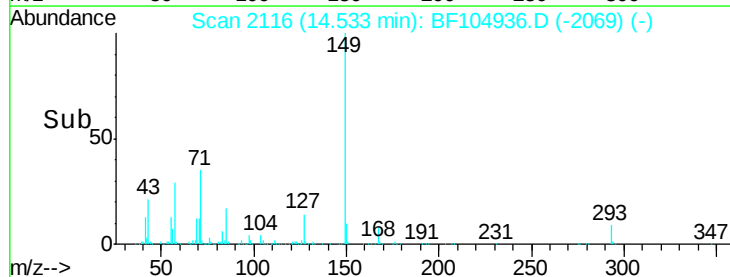
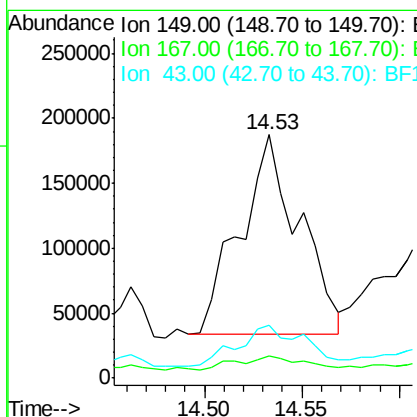
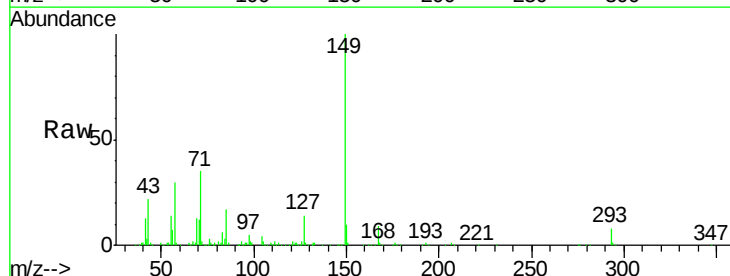
Instrument :  
 BNA\_F  
 ClientSampleId :

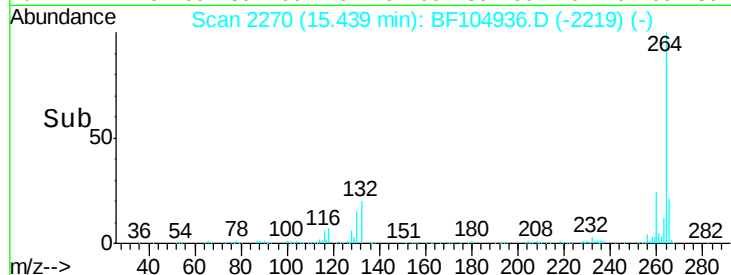
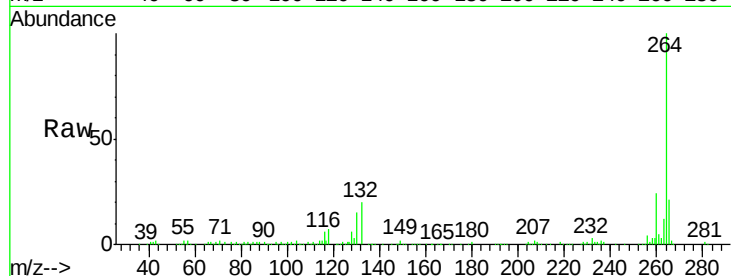
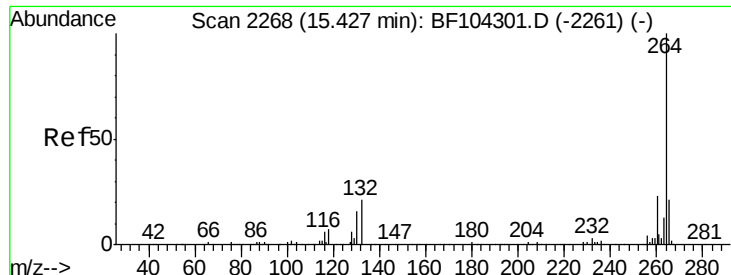
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 25.0  | 21.3  | 31.9  |
| 279     | 3.6   | 3.0   | 4.4   |



#84  
 Di-n-octyl phthalate  
 Concen: 18.738 ng  
 RT: 14.53 min Scan# 2116  
 Delta R.T. -0.02 min  
 Lab File: BF104936.D  
 Acq: 30 Apr 2018 16:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 7.6   | 1.2   | 1.8#  |
| 43      | 22.9  | 8.4   | 12.6# |





#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.44 min Scan# 2270  
 Delta R.T. 0.00 min  
 Lab File: BF104936.D  
 Acq: 30 Apr 2018 16:47

Instrument :  
 BNA\_F  
 ClientSampleId :

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 215856 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.6  | 19.2  | 28.8   |
| 265       | 21.1  | 17.5  | 26.3   |

