

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\  
 Data File : BF093654.D  
 Acq On : 14 Mar 2017 13:08  
 Operator : SJ/MA  
 Sample : PB97559BL  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Mar 15 02:32:08 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 13 15:05:08 2017  
 Response via : Initial Calibration

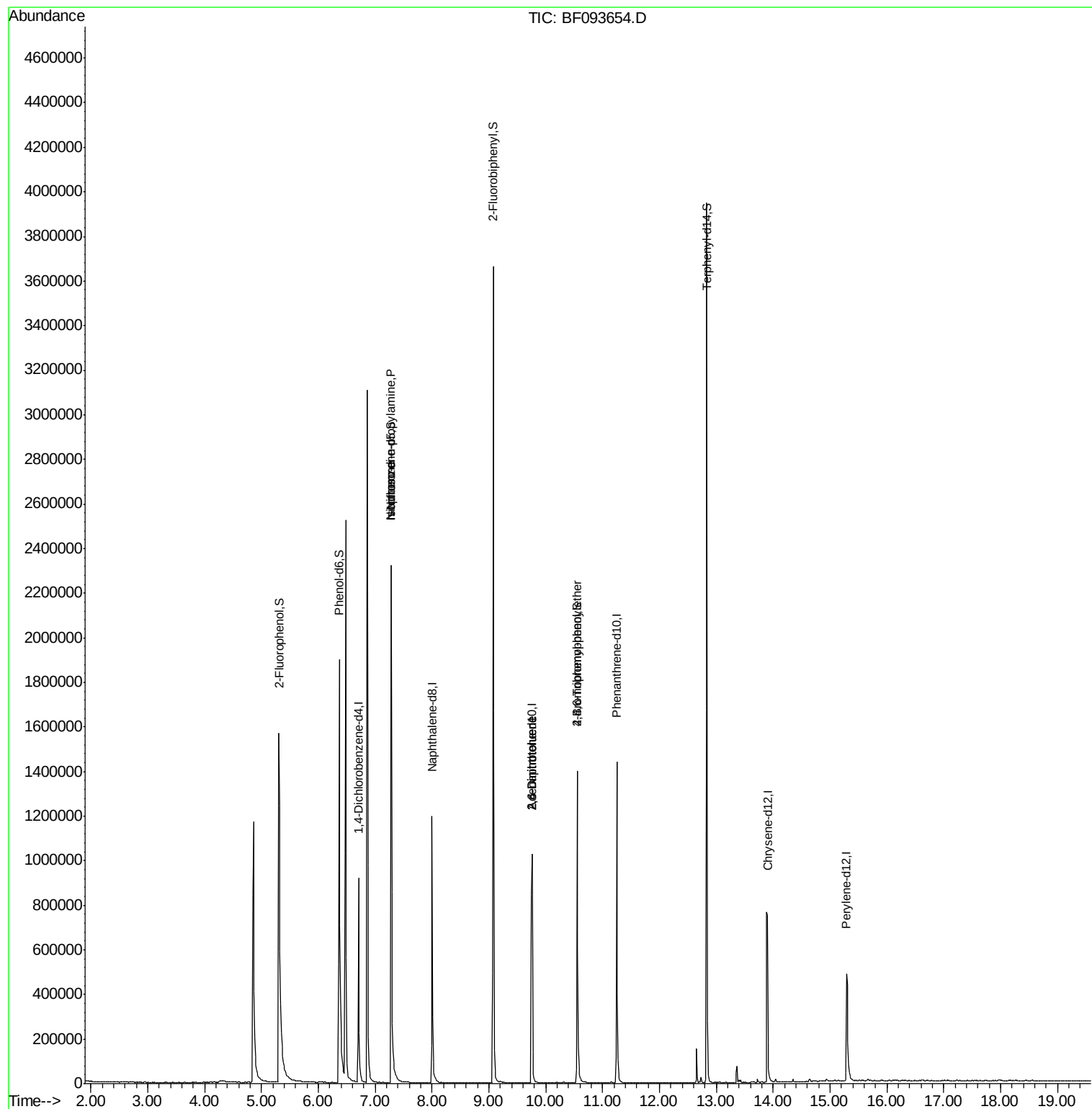
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.71  | 152  | 158692   | 20.00     | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.00  | 136  | 636979   | 20.00     | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.76  | 164  | 299510   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.25 | 188  | 579685   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 13.90 | 240  | 459013   | 20.00     | ng    | 0.01     |
| 86) Perylene-d12               | 15.29 | 264  | 315972   | 20.00     | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.30  | 112  | 861853   | 90.39     | ng    | -0.01    |
| 7) Phenol-d6                   | 6.37  | 99   | 1026562  | 85.38     | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.28  | 82   | 924018   | 80.49     | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.55 | 330  | 177449   | 90.94     | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.08  | 172  | 1423063  | 88.38     | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.84 | 244  | 1302442  | 73.77     | ng    | 0.01     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.37  | 77   | 1239     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propylamine | 7.28  | 70   | 119166   | 14.42     | ng    | # 85     |
| 25) Isophorone                 | 7.28  | 82   | 915755   | 39.56     | ng    | # 65     |
| 50) 2,6-Dinitrotoluene         | 9.76  | 165  | 37538    | 8.62      | ng    | # 30     |
| 56) 2,4-Dinitrotoluene         | 9.76  | 165  | 37539    | 7.01      | ng    | # 19     |
| 66) 4-Bromophenyl-phenylether  | 10.55 | 248  | 14250    | 2.32      | ng    | # 1      |

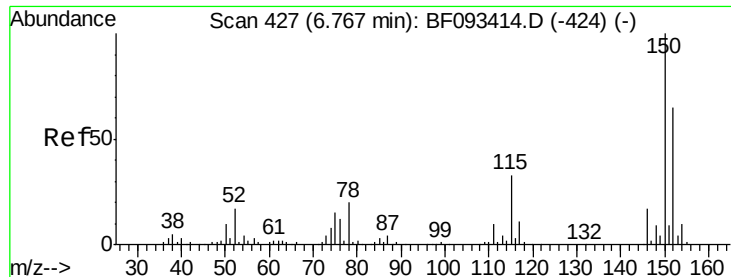
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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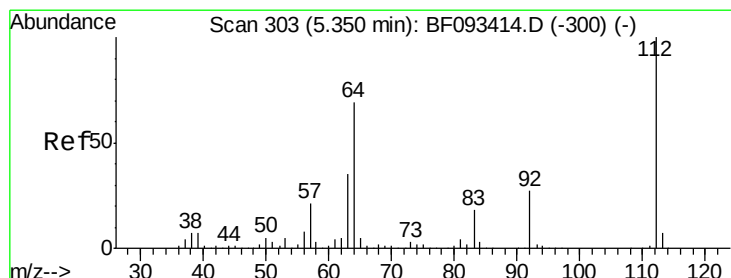
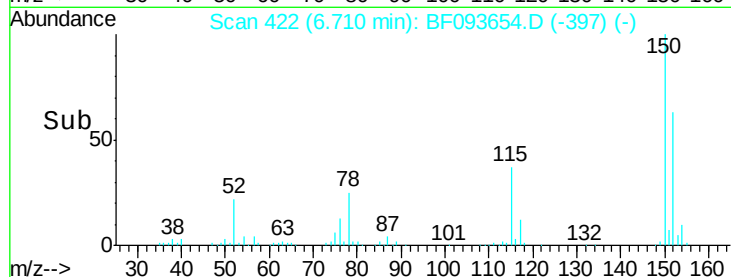
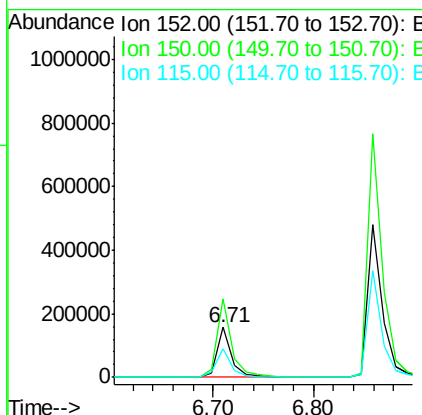
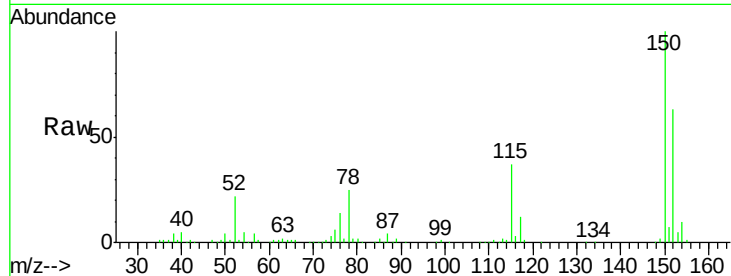


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.71 min Scan# 422  
Delta R.T. -0.01 min  
Lab File: BF093654.D  
Acq: 14 Mar 2017 13:08

Instrument :  
BNA\_M  
ClientSampleId :

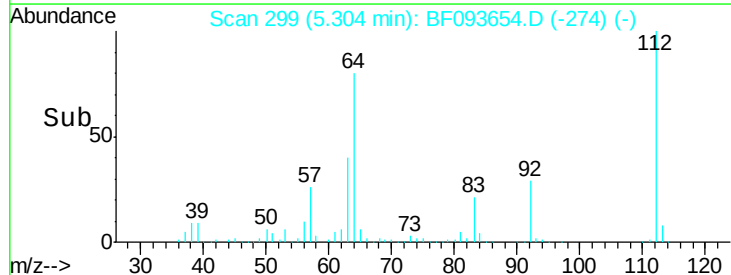
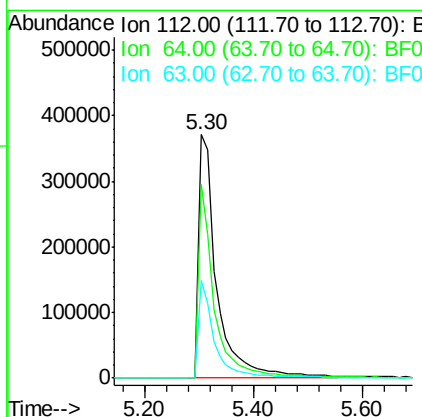
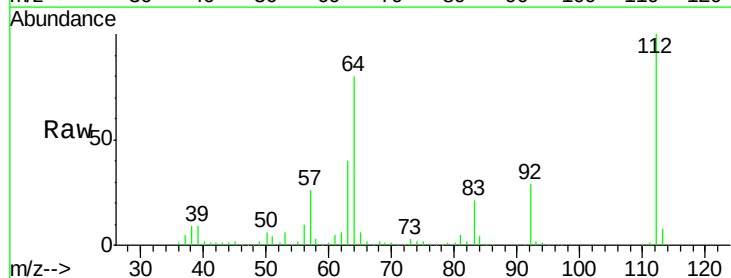
Tot Ion:152 Resp: 158692  
Ion Ratio Lower Upper  
152 100  
150 157.6 124.9 187.3  
115 57.9 46.0 69.0

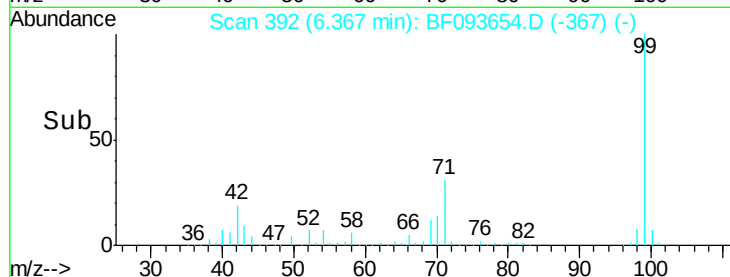
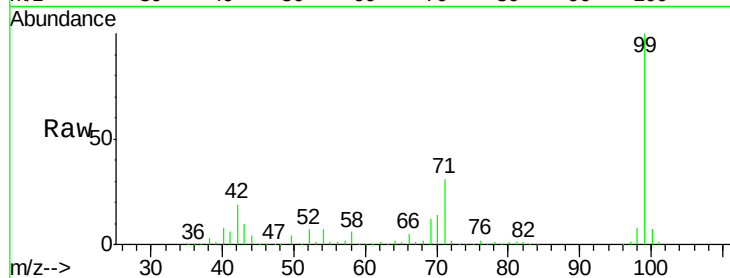
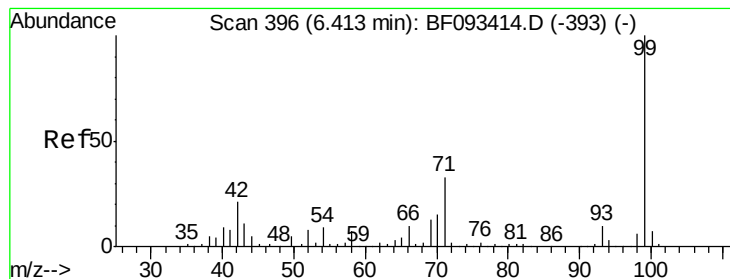


#5

2-Fluorophenol  
Concen: 90.39 ng  
RT: 5.30 min Scan# 299  
Delta R.T. -0.01 min  
Lab File: BF093654.D  
Acq: 14 Mar 2017 13:08

Tgt Ion:112 Resp: 861853  
Ion Ratio Lower Upper  
112 100  
64 79.6 46.1 69.1#  
63 40.3 23.8 35.6#





#7

Phenol-d6

Concen: 85.38 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093654.D

Acq: 14 Mar 2017 13:08

Instrument :

BNA\_M

ClientSampled :

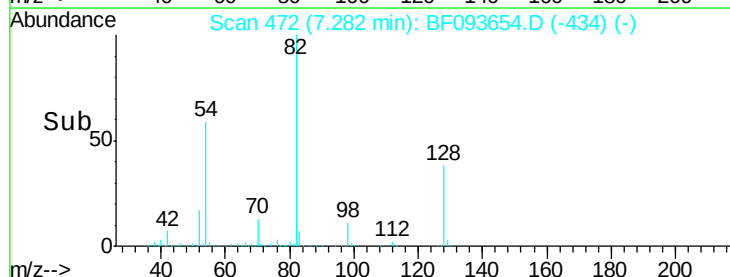
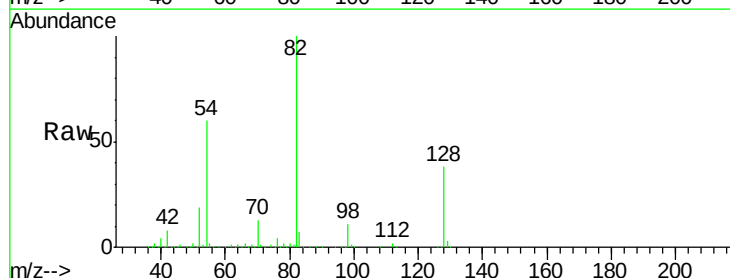
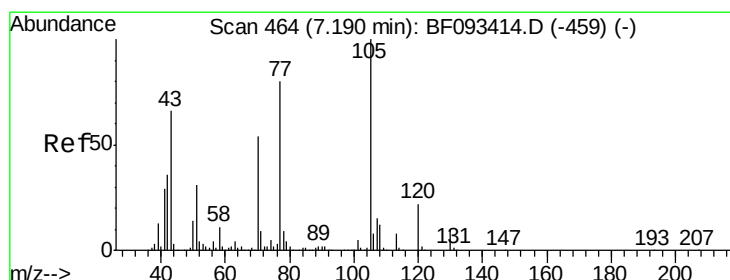
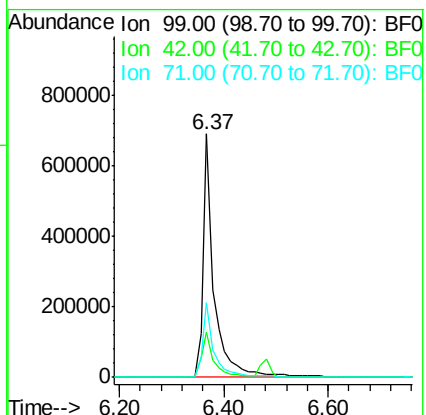
Tot Ion: 99 Resp: 1026562

Ion Ratio Lower Upper

99 100

42 18.8 15.6 23.4

71 30.6 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.42 ng

RT: 7.28 min Scan# 472

Delta R.T. 0.14 min

Lab File: BF093654.D

Acq: 14 Mar 2017 13:08

Tgt Ion: 70 Resp: 119166

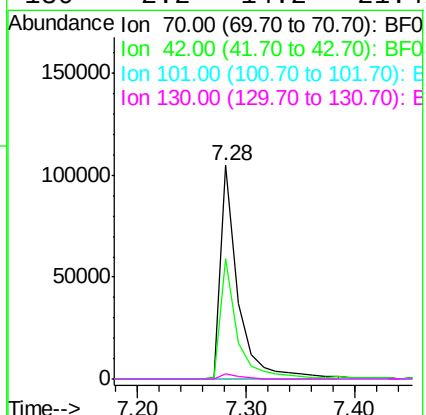
Ion Ratio Lower Upper

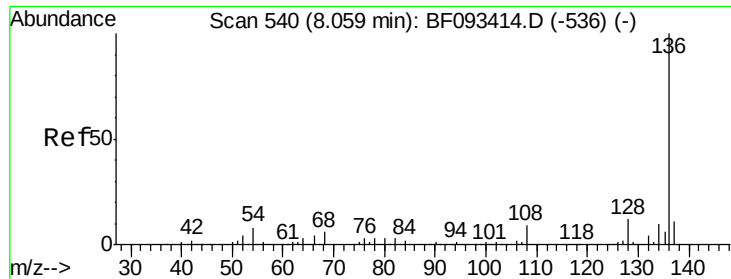
70 100

42 56.4 49.4 74.0

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

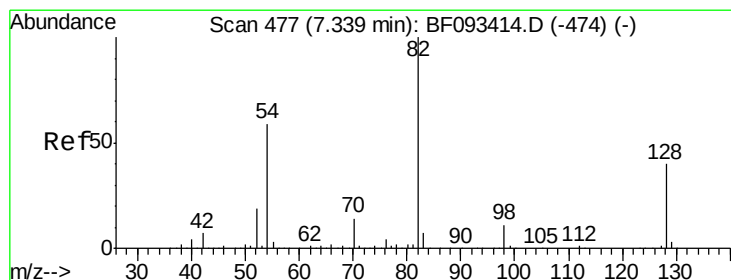
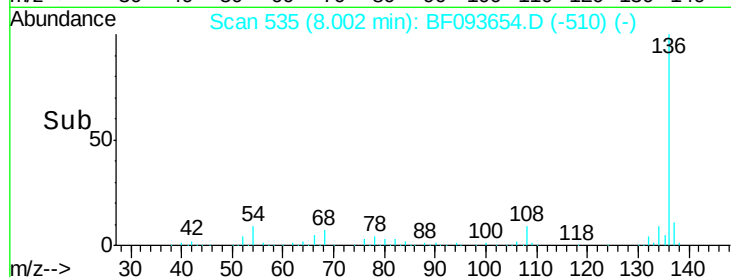
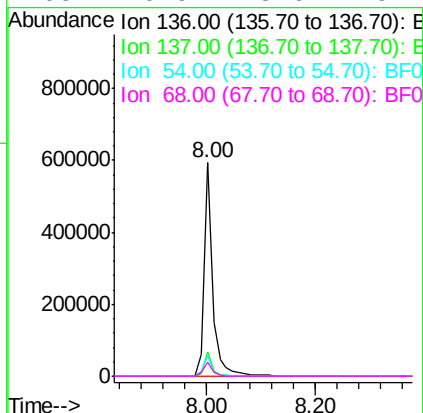
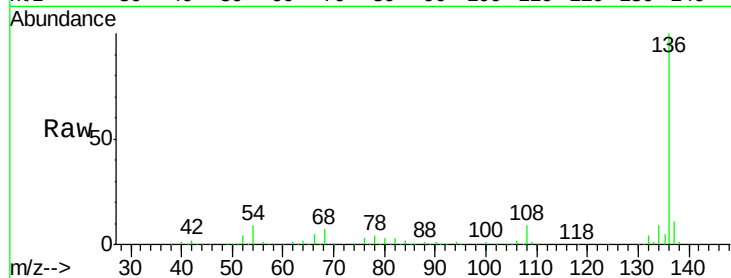




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.00 min Scan# 535  
Delta R.T. -0.01 min  
Lab File: BF093654.D  
Acq: 14 Mar 2017 13:08

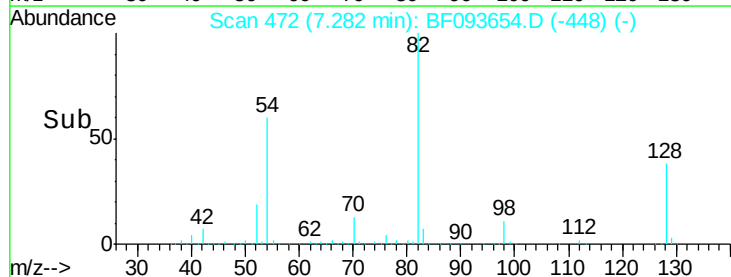
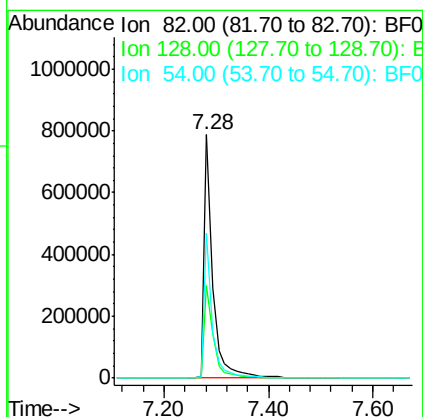
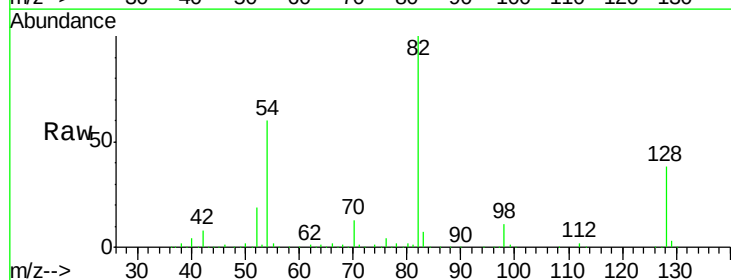
Instrument :  
BNA\_M  
ClientSampled :

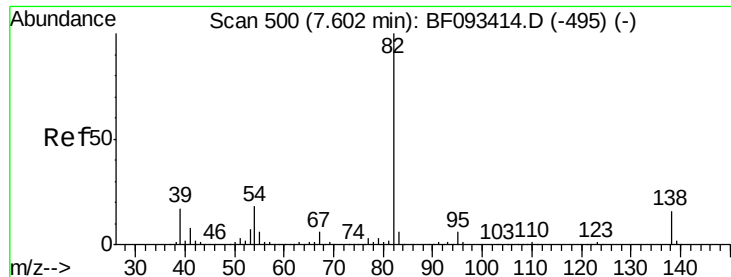
|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 636979   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.4  | 8.4 12.6 |
| 54          | 9.3   | 4.5 6.7# |
| 68          | 6.9   | 3.6 5.4# |



#23  
Nitrobenzene-d5  
Concen: 80.49 ng  
RT: 7.28 min Scan# 472  
Delta R.T. -0.02 min  
Lab File: BF093654.D  
Acq: 14 Mar 2017 13:08

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 82 | Resp: | 924018     |
| Ion Ratio   | Lower | Upper      |
| 82          | 100   |            |
| 128         | 38.0  | 34.6 52.0  |
| 54          | 59.6  | 39.5 59.3# |

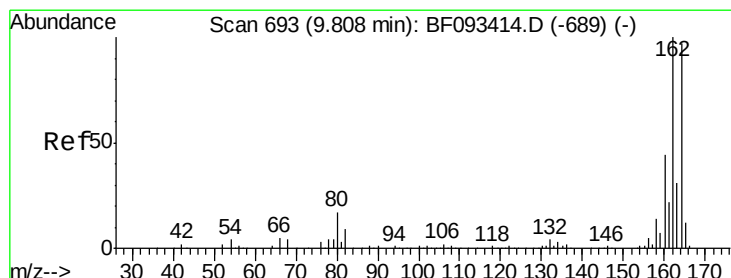
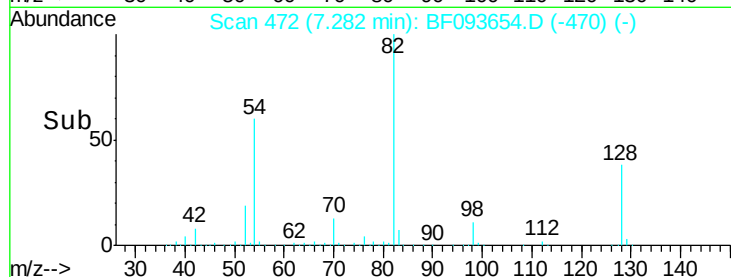
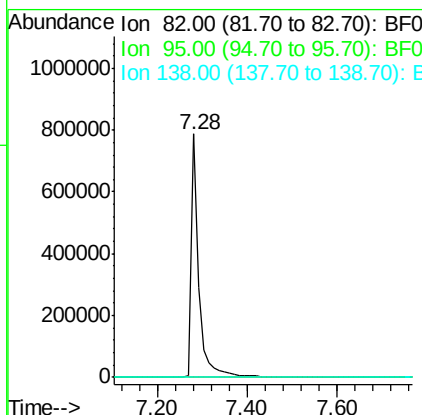
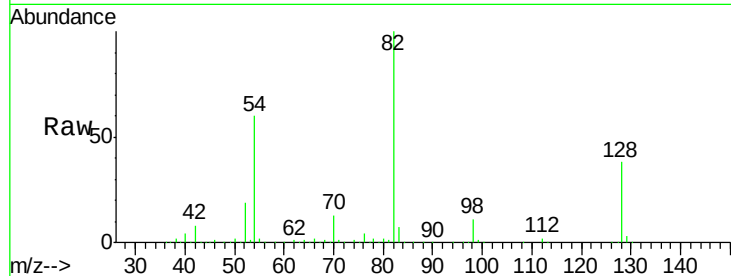




#25  
Isophorone  
Concen: 39.56 ng  
RT: 7.28 min Scan# 472  
Delta R.T. -0.27 min  
Lab File: BF093654.D  
Acq: 14 Mar 2017 13:08

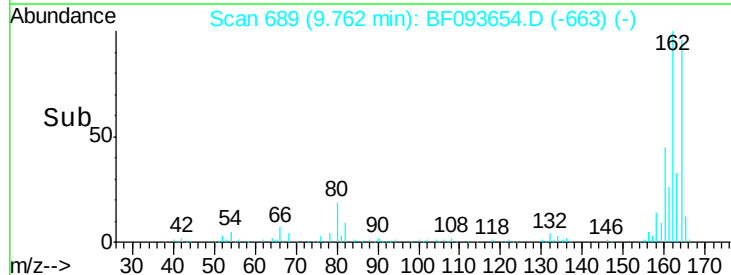
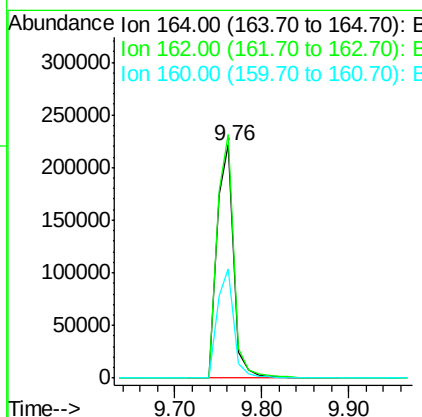
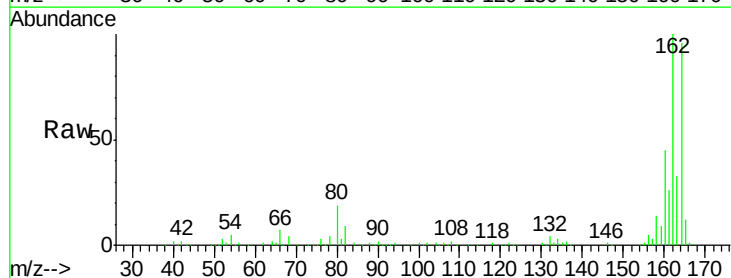
Instrument :  
BNA\_M  
ClientSampled :

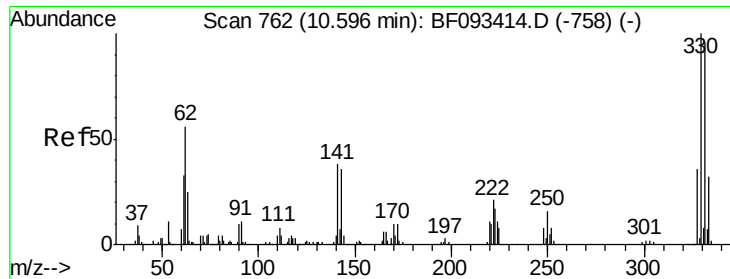
Tot Ion: 82 Resp: 915755  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 14.6 22.0#



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.76 min Scan# 689  
Delta R.T. -0.00 min  
Lab File: BF093654.D  
Acq: 14 Mar 2017 13:08

Tgt Ion: 164 Resp: 299510  
Ion Ratio Lower Upper  
164 100  
162 104.5 80.2 120.2  
160 47.1 36.9 55.3

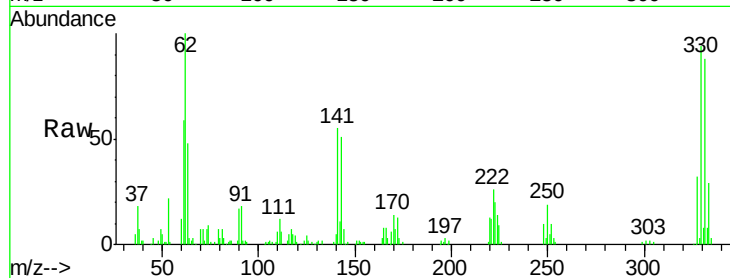




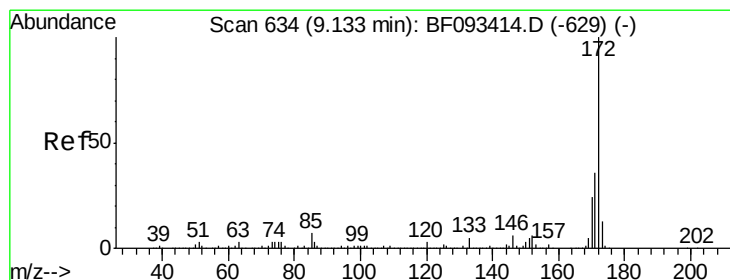
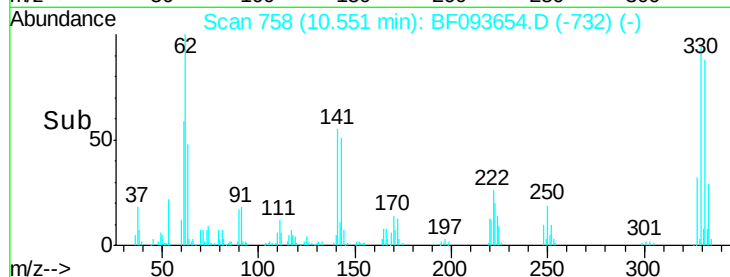
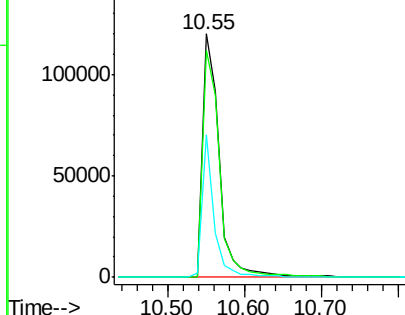
#41  
 2,4,6-Tribromophenol  
 Concen: 90.94 ng  
 RT: 10.55 min Scan# 758  
 Delta R.T. -0.00 min  
 Lab File: BF093654.D  
 Acq: 14 Mar 2017 13:08

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:330 Resp: 177449  
 Ion Ratio Lower Upper  
 330 100  
 332 95.2 77.4 116.2  
 141 42.3 34.1 51.1

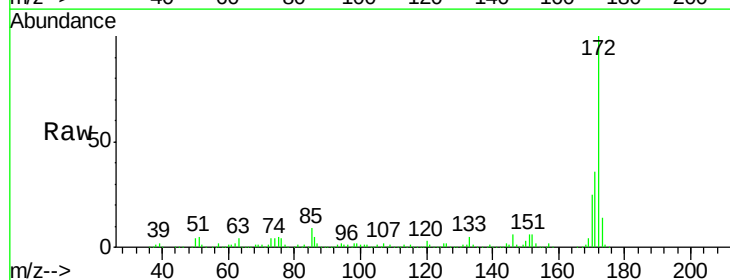


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

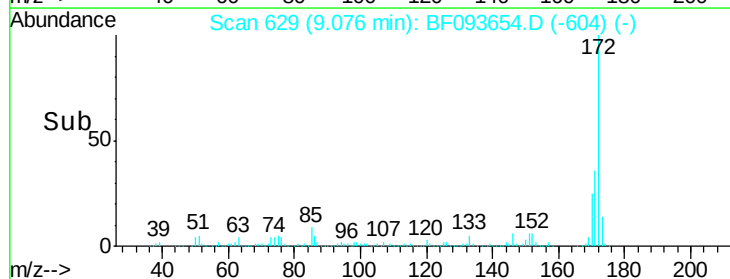
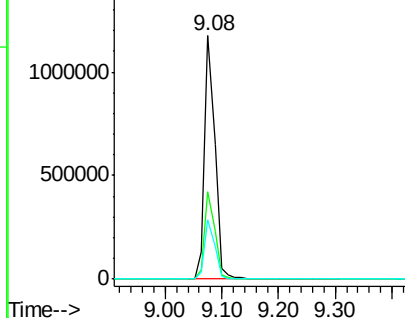


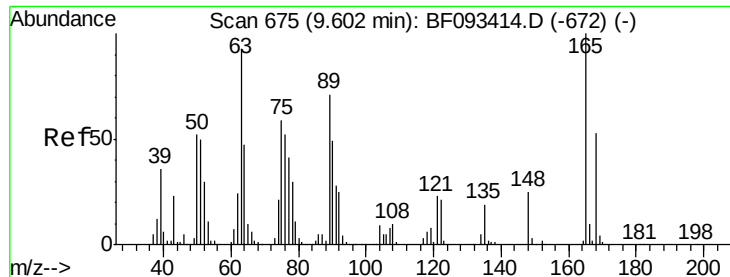
#44  
 2-Fluorobiphenyl  
 Concen: 88.38 ng  
 RT: 9.08 min Scan# 629  
 Delta R.T. -0.01 min  
 Lab File: BF093654.D  
 Acq: 14 Mar 2017 13:08

Tgt Ion:172 Resp: 1423063  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.4 44.0  
 170 24.6 20.2 30.4



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: 8.62 ng

RT: 9.76 min Scan# 689

Delta R.T. 0.19 min

Lab File: BF093654.D

Acq: 14 Mar 2017 13:08

Instrument :

BNA\_M

ClientSampleId :

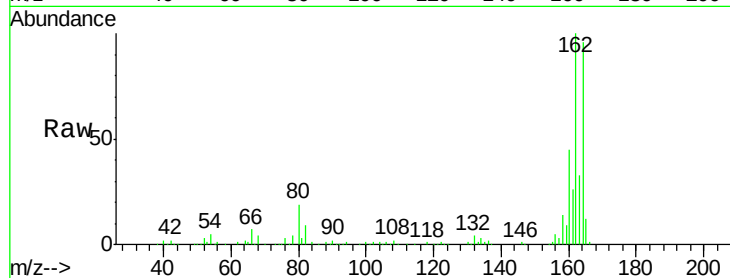
Tot Ion:165 Resp: 37538

Ion Ratio Lower Upper

165 100

63 0.0 36.2 54.4#

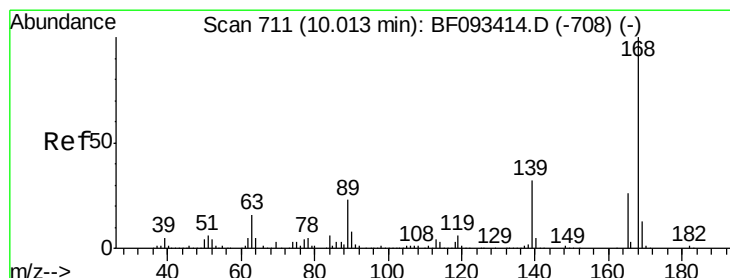
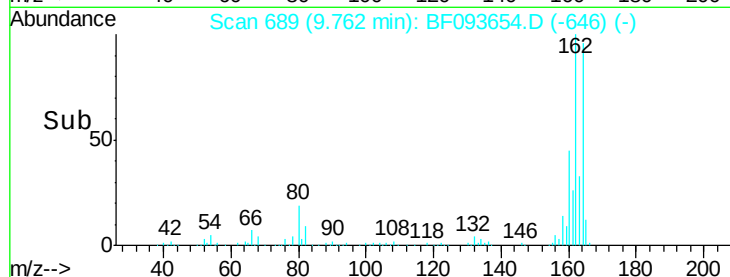
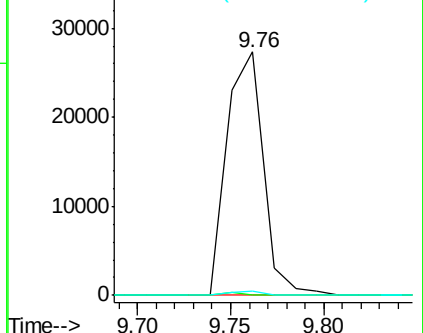
89 1.5 40.2 60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56

2,4-Dinitrotoluene

Concen: 7.01 ng

RT: 9.76 min Scan# 689

Delta R.T. -0.22 min

Lab File: BF093654.D

Acq: 14 Mar 2017 13:08

Tgt Ion:165 Resp: 37539

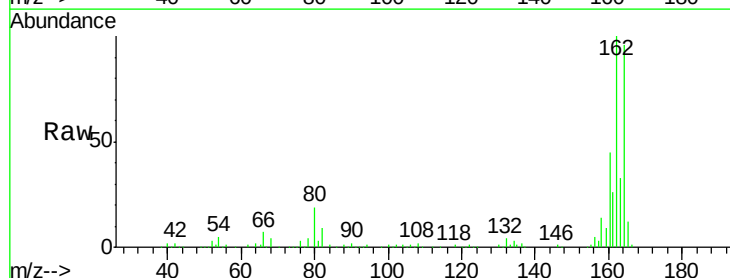
Ion Ratio Lower Upper

165 100

63 0.0 40.2 60.4#

89 1.5 62.5 93.7#

182 0.0 1.8 2.8#

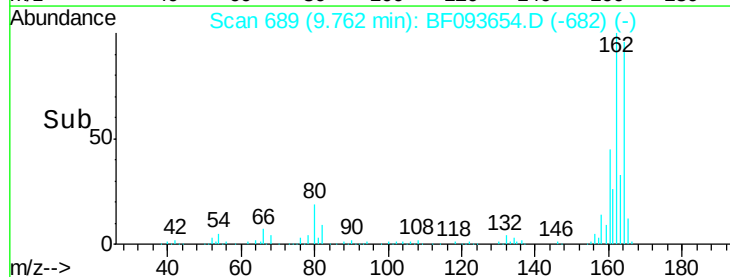
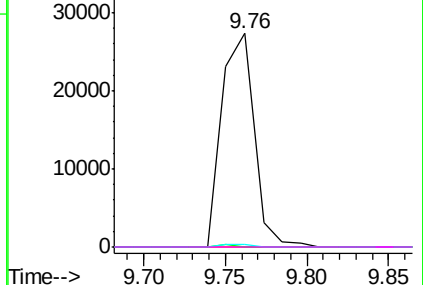


Abundance Ion 165.00 (164.70 to 165.70): E

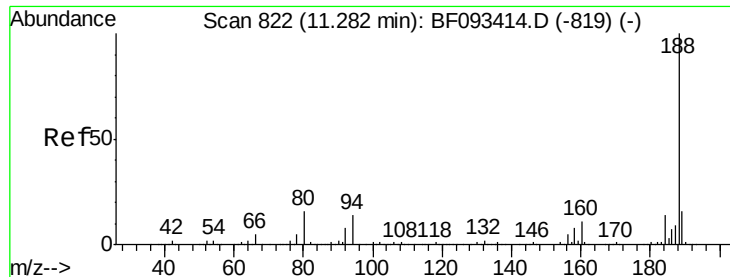
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



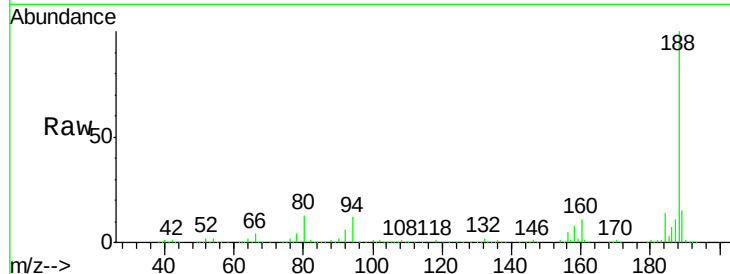




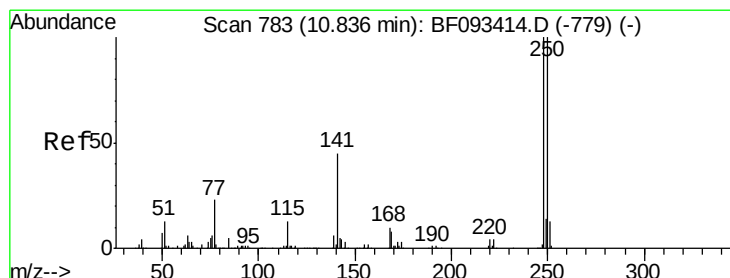
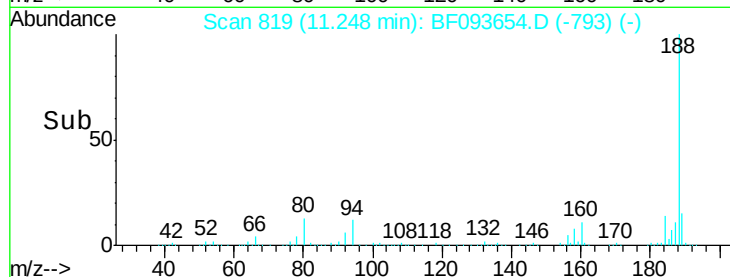
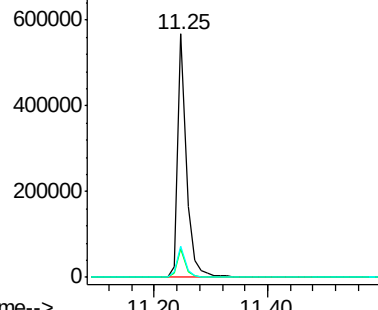
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.25 min Scan# 819  
Delta R.T. -0.00 min  
Lab File: BF093654.D  
Acq: 14 Mar 2017 13:08

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:188 Resp: 579685  
Ion Ratio Lower Upper  
188 100  
94 11.7 10.0 15.0  
80 12.6 11.2 16.8

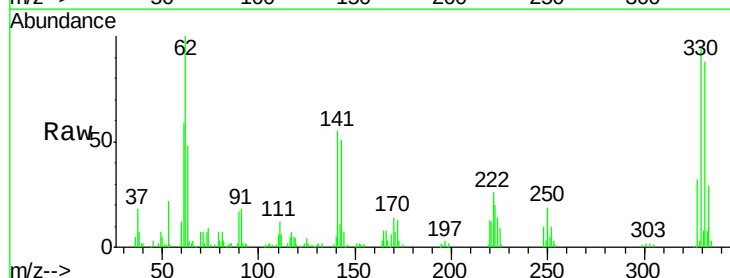


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

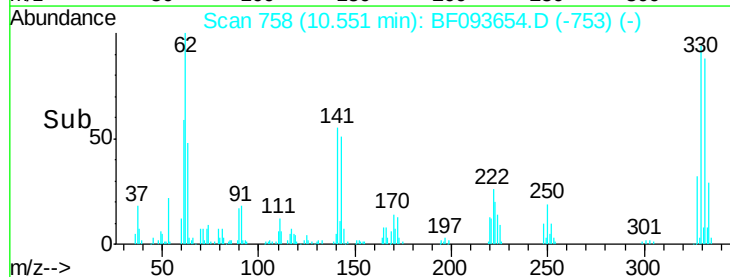
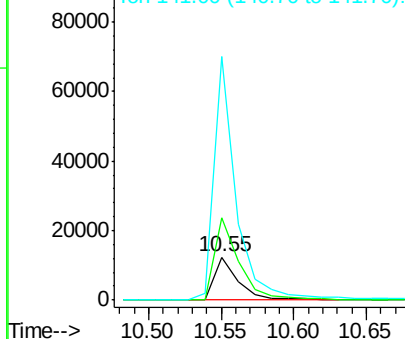


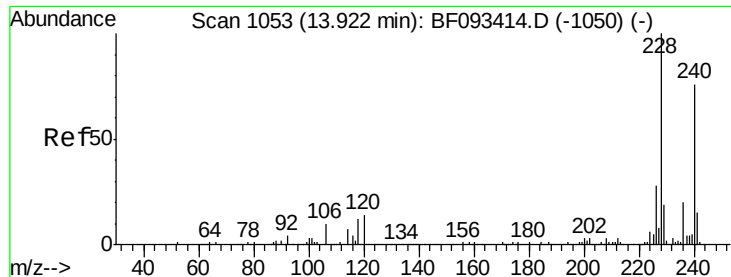
#66  
4-Bromophenyl-phenylether  
Concen: 2.32 ng  
RT: 10.55 min Scan# 758  
Delta R.T. -0.24 min  
Lab File: BF093654.D  
Acq: 14 Mar 2017 13:08

Tgt Ion:248 Resp: 14250  
Ion Ratio Lower Upper  
248 100  
250 191.8 76.9 115.3#  
141 568.5 68.2 102.4#



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: 20.00 ng

RT: 13.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF093654.D

Acq: 14 Mar 2017 13:08

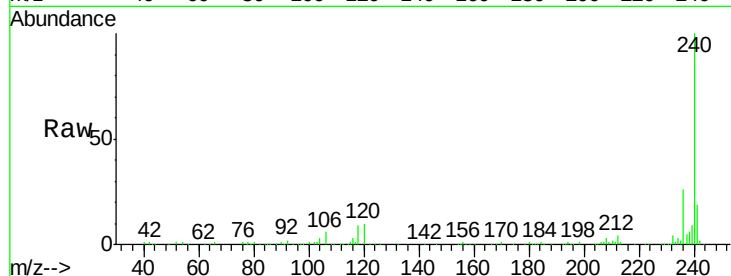
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:240 Resp: 459013

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 10.3  | 12.9  | 19.3# |
| 236 | 25.8  | 20.9  | 31.3  |

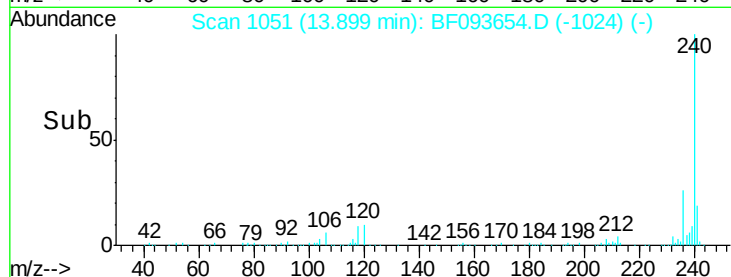


Abundance Ion 240.00 (239.70 to 240.70): E

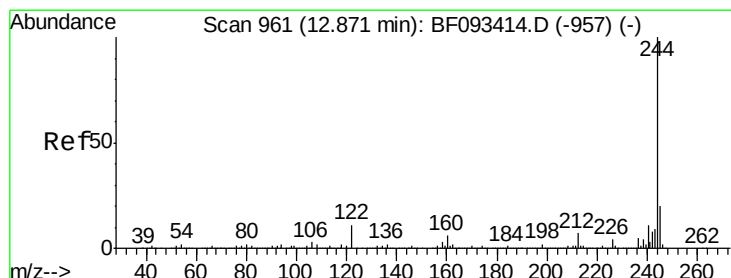
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.90



Time-->



#78

Terphenyl-d14

Concen: 73.77 ng

RT: 12.84 min Scan# 958

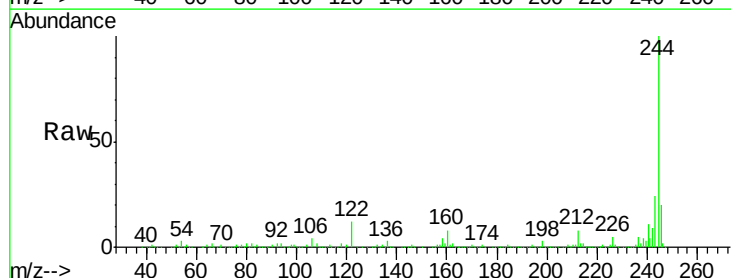
Delta R.T. 0.01 min

Lab File: BF093654.D

Acq: 14 Mar 2017 13:08

Tgt Ion:244 Resp: 1302442

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.9   | 6.2   | 9.2   |
| 122 | 12.0  | 11.4  | 17.2  |

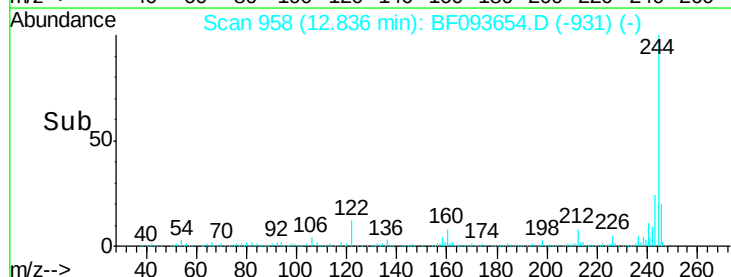


Abundance Ion 244.00 (243.70 to 244.70): E

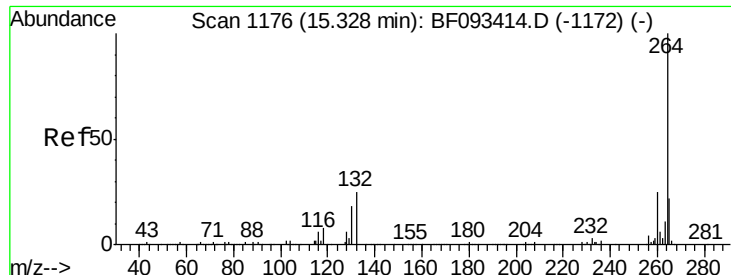
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.84



Time-->



#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.29 min Scan# 1173  
Delta R.T. 0.01 min  
Lab File: BF093654.D  
Acq: 14 Mar 2017 13:08

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion: 264 Resp: 315972  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.3  | 19.2  | 28.8  |
| 265 | 20.7  | 17.4  | 26.0  |

