

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031317\  
 Data File : BF093642.D  
 Acq On : 14 Mar 2017 7:34  
 Operator : SJ/MA  
 Sample : I2201-18  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 D-117

Quant Time: Mar 14 08:16:36 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

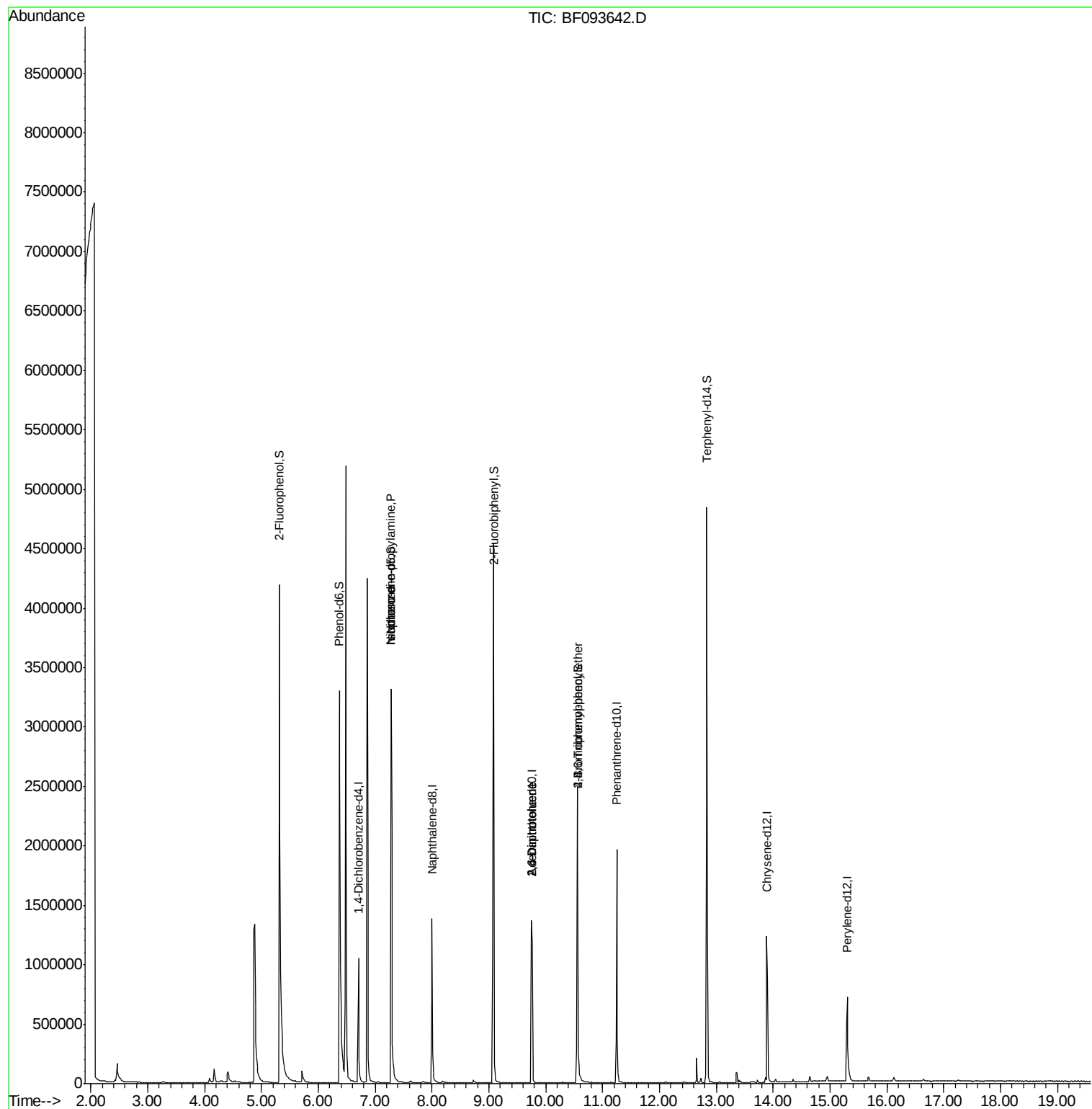
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.71  | 152  | 197202   | 20.00     | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.00  | 136  | 805678   | 20.00     | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.75  | 164  | 387702   | 20.00     | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.25 | 188  | 758201   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 13.89 | 240  | 604318   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12               | 15.31 | 264  | 409401   | 20.00     | ng    | 0.02     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 1751472  | 147.82    | ng    | 0.00     |
| 7) Phenol-d6                   | 6.37  | 99   | 2127881  | 142.41    | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.28  | 82   | 1494671  | 102.93    | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.56 | 330  | 449481   | 177.95    | ng    | 0.01     |
| 44) 2-Fluorobiphenyl           | 9.09  | 172  | 2292154  | 109.97    | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.84 | 244  | 1892682  | 81.43     | ng    | 0.01     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.37  | 77   | 2815     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propylamine | 7.28  | 70   | 198995   | 19.37     | ng    | # 84     |
| 25) Isophorone                 | 7.28  | 82   | 1449717  | 49.51     | ng    | # 65     |
| 50) 2,6-Dinitrotoluene         | 9.75  | 165  | 49601    | 8.79      | ng    | # 31     |
| 56) 2,4-Dinitrotoluene         | 9.75  | 165  | 49604    | 7.16      | ng    | # 20     |
| 66) 4-Bromophenyl-phenylether  | 10.56 | 248  | 31372    | 3.91      | ng    | # 1      |

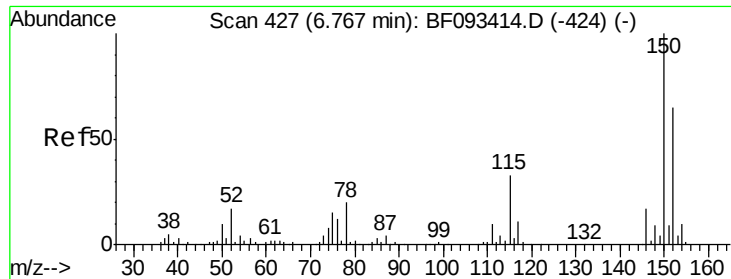
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031317\  
Data File : BF093642.D  
Acq On : 14 Mar 2017 7:34  
Operator : SJ/MA  
Sample : I2201-18  
Misc :  
ALS Vial : 42 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
D-117

Quant Time: Mar 14 08:16:36 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



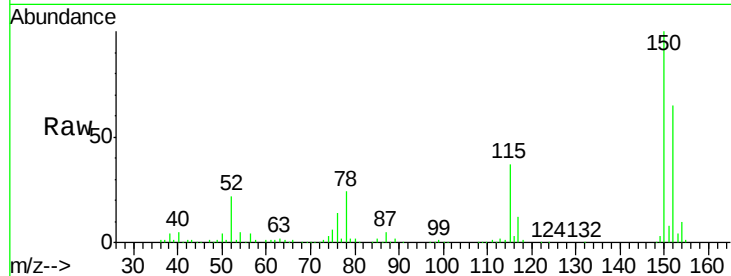


#1

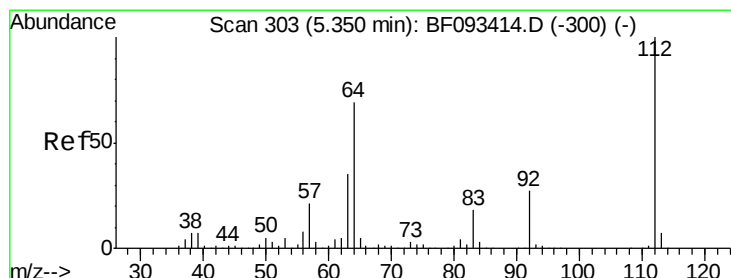
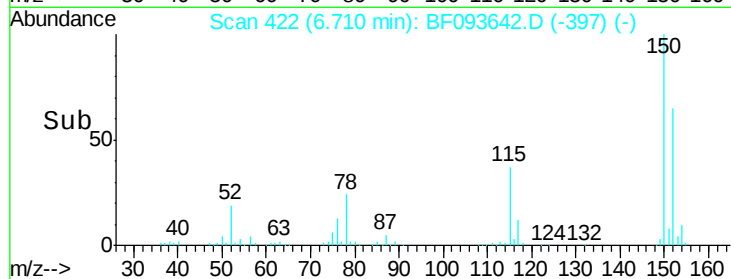
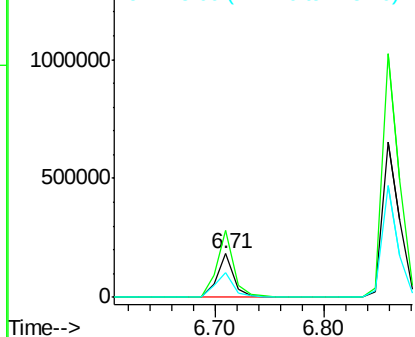
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.71 min Scan# 422  
Delta R.T. -0.01 min  
Lab File: BF093642.D  
Acq: 14 Mar 2017 7:34

Instrument :  
BNA\_F  
ClientSampleId :  
D-117

Tgt Ion:152 Resp: 197202  
Ion Ratio Lower Upper  
152 100  
150 154.0 124.9 187.3  
115 56.3 46.0 69.0



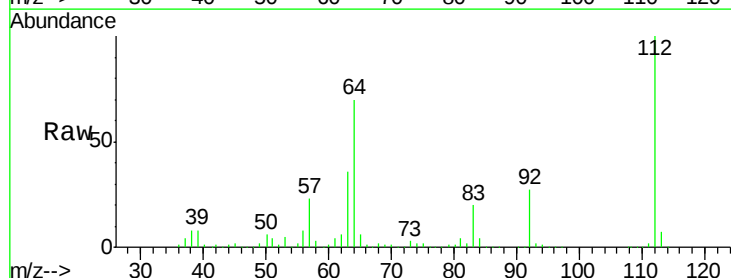
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



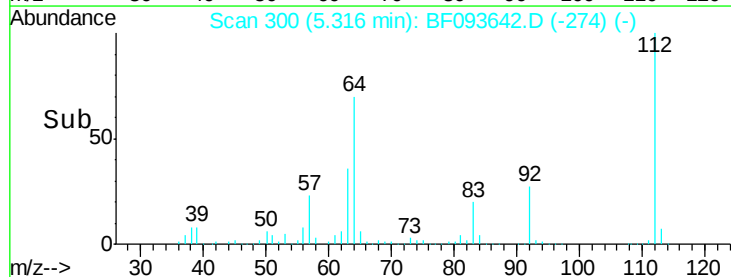
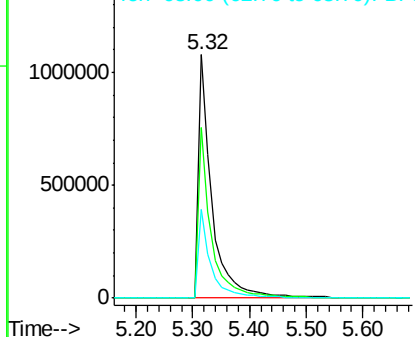
#5

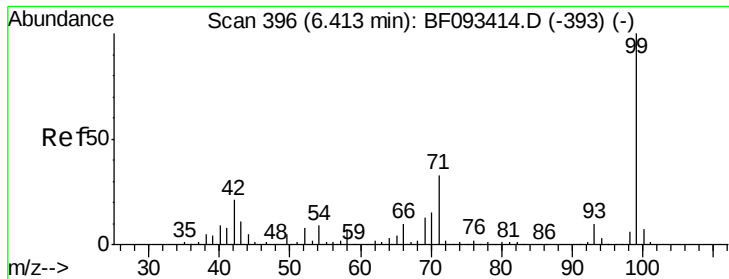
2-Fluorophenol  
Concen: 147.82 ng  
RT: 5.32 min Scan# 300  
Delta R.T. 0.00 min  
Lab File: BF093642.D  
Acq: 14 Mar 2017 7:34

Tgt Ion:112 Resp: 1751472  
Ion Ratio Lower Upper  
112 100  
64 70.0 46.1 69.1#  
63 36.4 23.8 35.6#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 142.41 ng

RT: 6.37 min Scan# 392

Delta R.T. -0.01 min

Lab File: BF093642.D

Acq: 14 Mar 2017 7:34

Instrument :

BNA\_F

ClientSampleID :

D-117

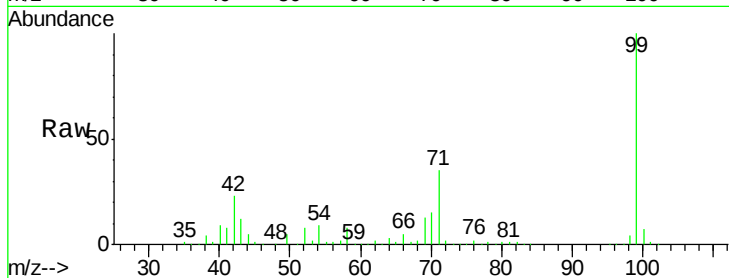
Tgt Ion: 99 Resp: 2127881

Ion Ratio Lower Upper

99 100

42 23.0 15.6 23.4

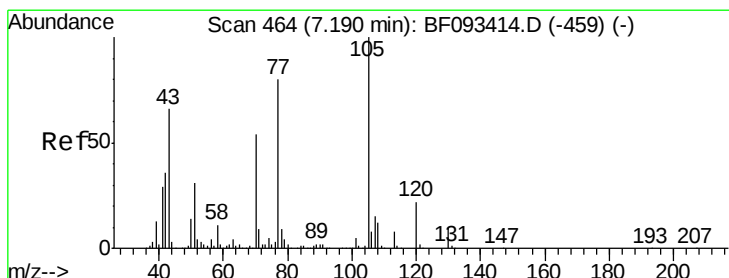
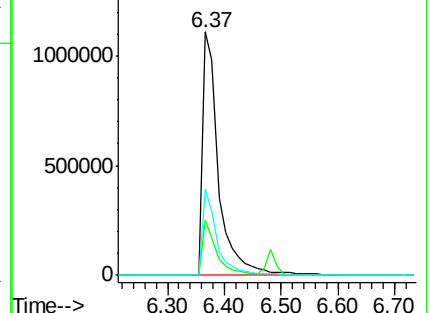
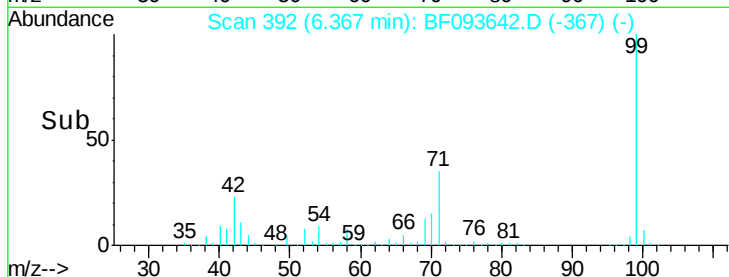
71 35.3 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 19.37 ng

RT: 7.28 min Scan# 472

Delta R.T. 0.14 min

Lab File: BF093642.D

Acq: 14 Mar 2017 7:34

Tgt Ion: 70 Resp: 198995

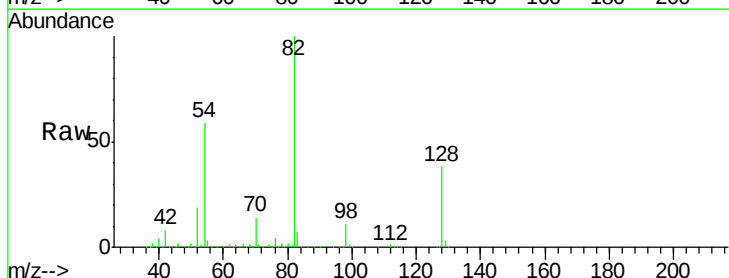
Ion Ratio Lower Upper

70 100

42 54.8 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

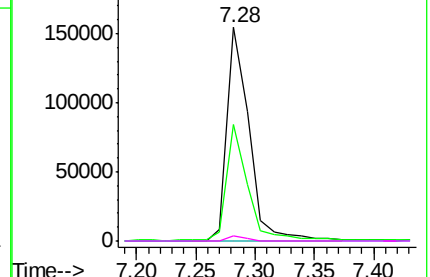
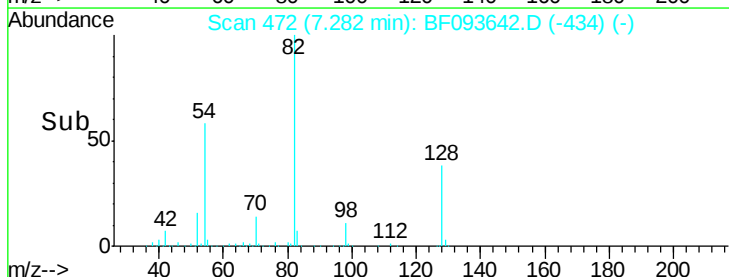


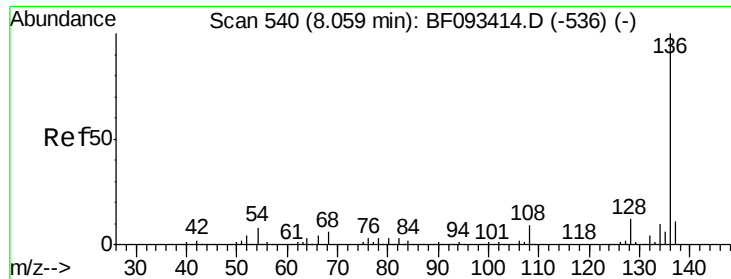
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

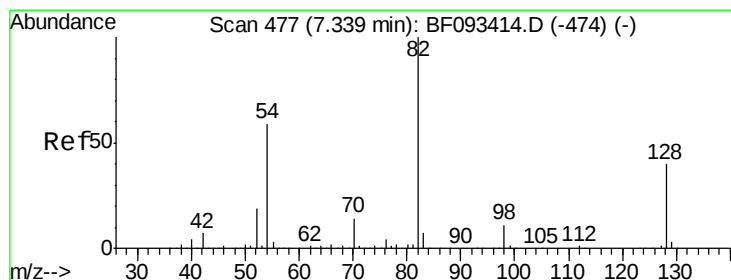
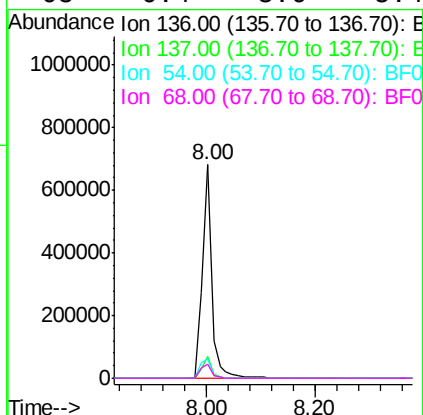
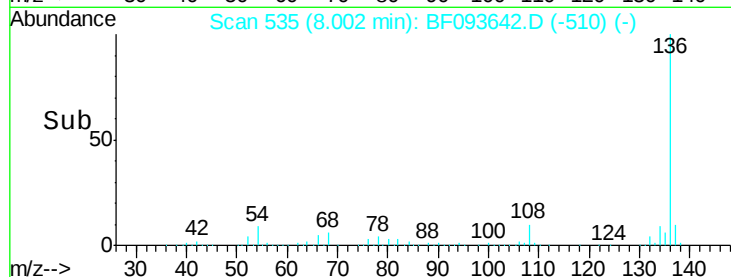
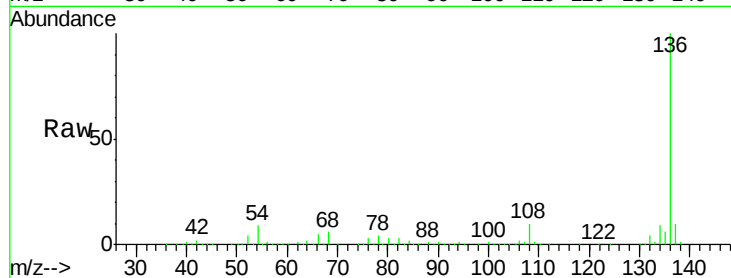




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.00 min Scan# 535  
Delta R.T. -0.01 min  
Lab File: BF093642.D  
Acq: 14 Mar 2017 7:34

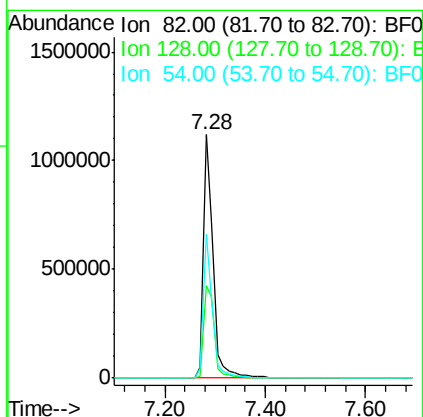
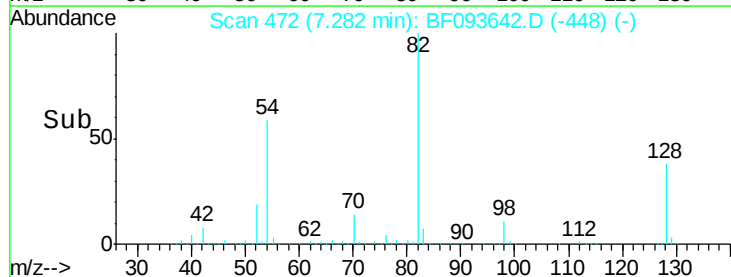
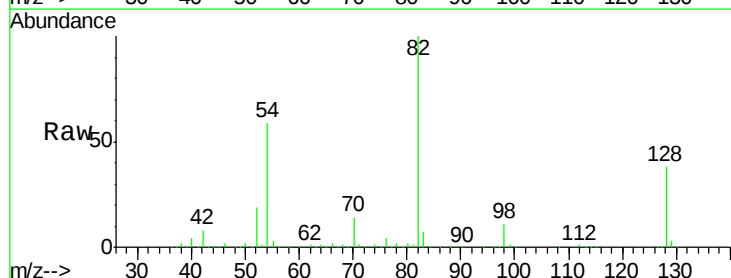
Instrument :  
BNA\_F  
ClientSampleId :  
D-117

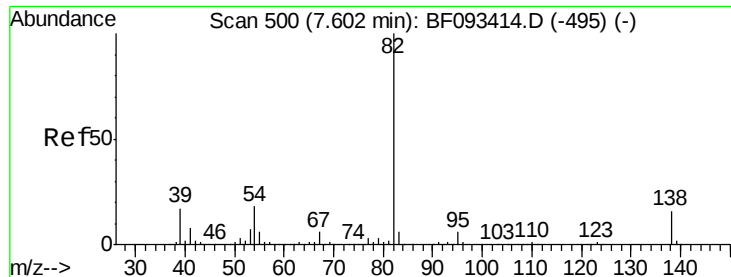
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 805678 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.5  | 8.4   | 12.6   |
| 54       | 8.7   | 4.5   | 6.7#   |
| 68       | 6.4   | 3.6   | 5.4#   |



#23  
Nitrobenzene-d5  
Concen: 102.93 ng  
RT: 7.28 min Scan# 472  
Delta R.T. -0.02 min  
Lab File: BF093642.D  
Acq: 14 Mar 2017 7:34

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1494671 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 37.9  | 34.6  | 52.0    |
| 54       | 59.2  | 39.5  | 59.3    |





#25

Isophorone

Concen: 49.51 ng

RT: 7.28 min Scan# 472

Delta R.T. -0.27 min

Lab File: BF093642.D

Acq: 14 Mar 2017 7:34

Instrument :

BNA\_F

ClientSampleId :

D-117

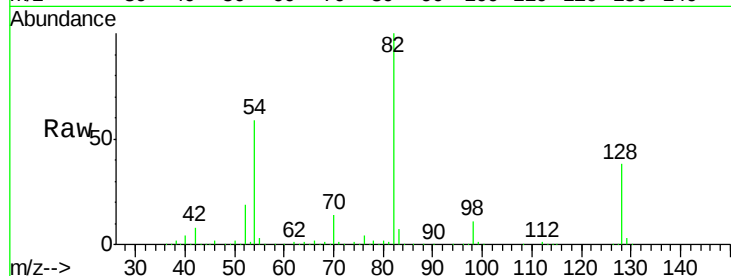
Tgt Ion: 82 Resp: 1449717

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

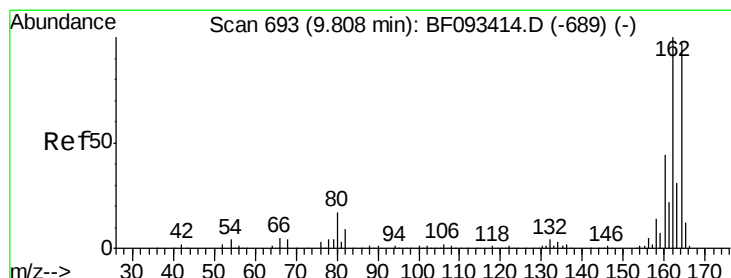
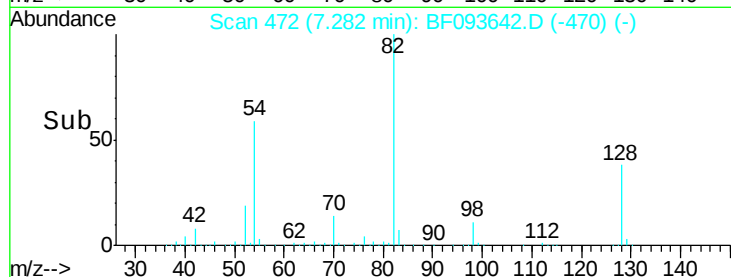
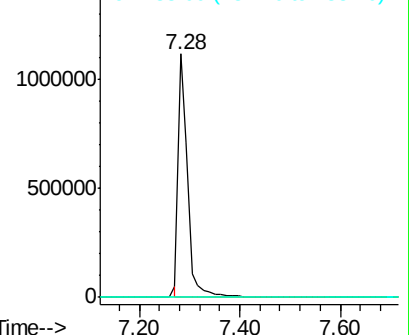
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 688

Delta R.T. -0.01 min

Lab File: BF093642.D

Acq: 14 Mar 2017 7:34

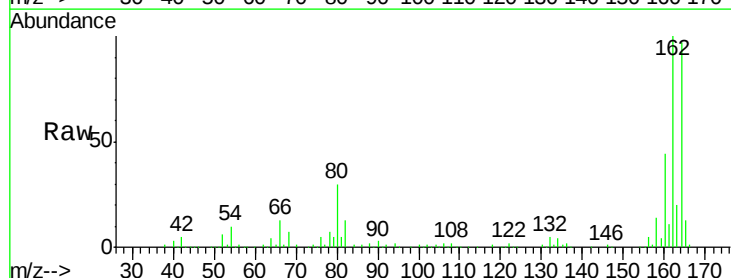
Tgt Ion: 164 Resp: 387702

Ion Ratio Lower Upper

164 100

162 103.0 80.2 120.2

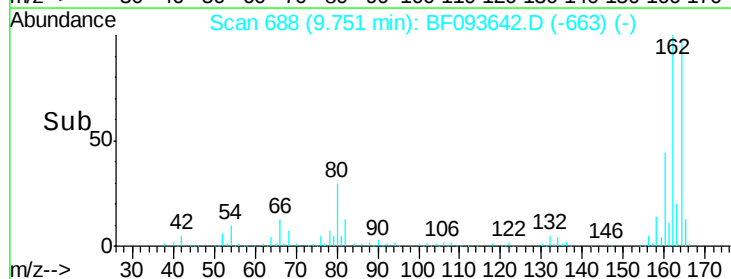
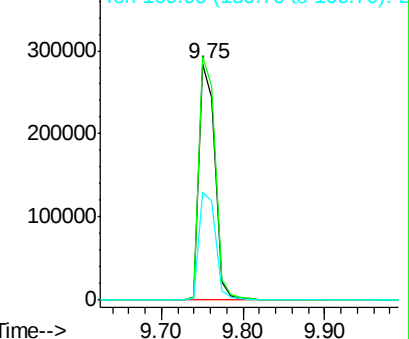
160 45.5 36.9 55.3

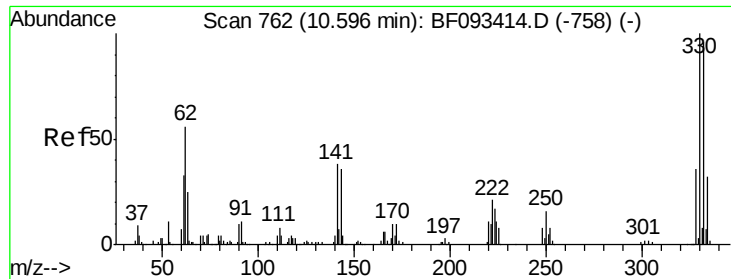


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

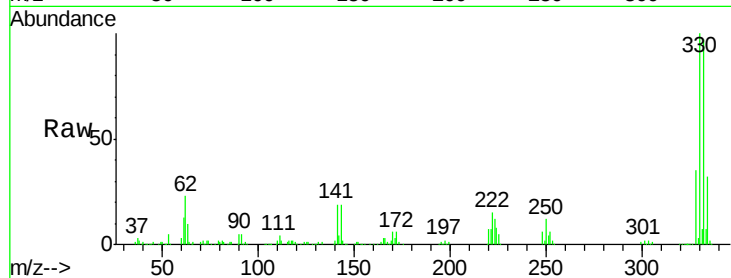




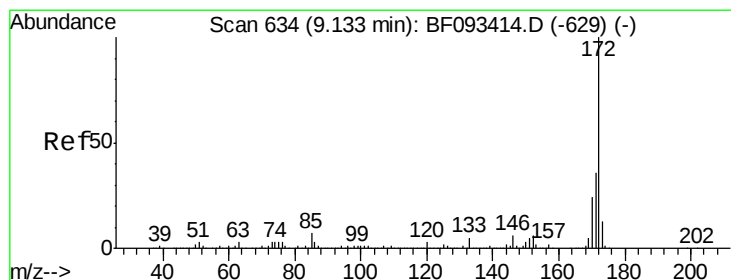
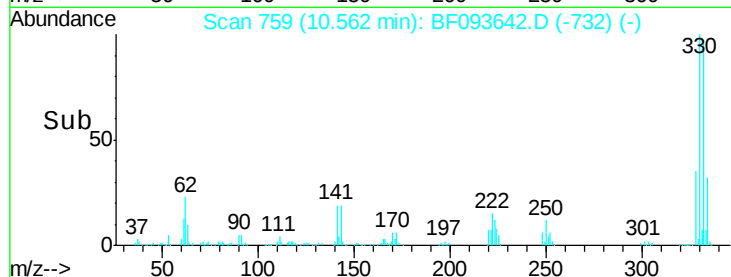
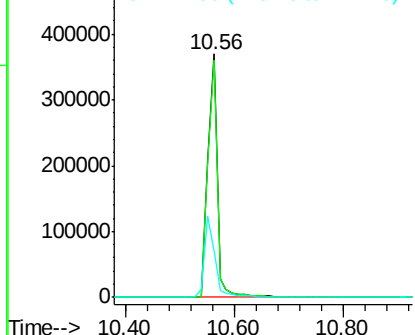
#41  
 2,4,6-Tribromophenol  
 Concen: 177.95 ng  
 RT: 10.56 min Scan# 759  
 Delta R.T. 0.01 min  
 Lab File: BF093642.D  
 Acq: 14 Mar 2017 7:34

Instrument :  
 BNA\_F  
 ClientSampled :  
 D-117

Tgt Ion:330 Resp: 449481  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 77.4 116.2  
 141 36.7 34.1 51.1

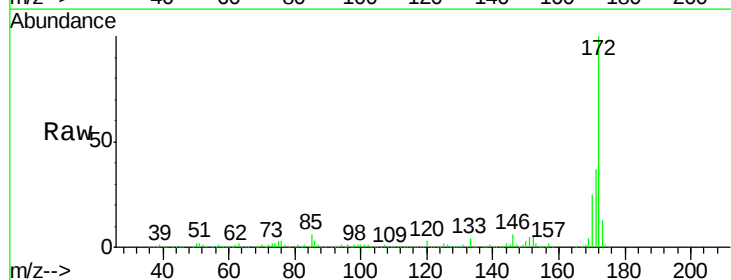


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

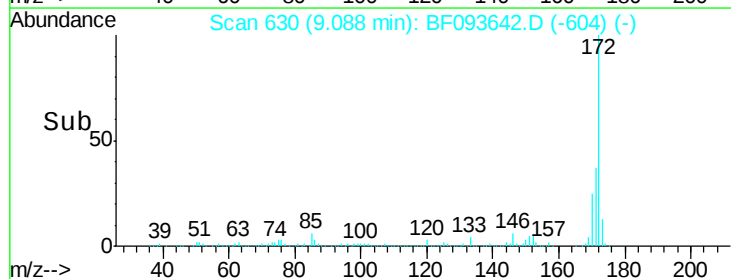
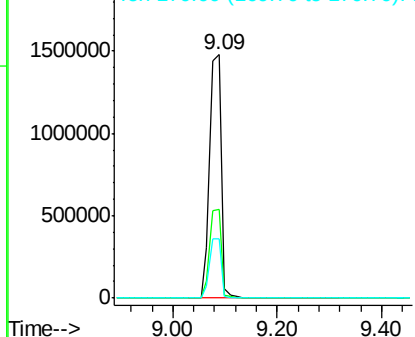


#44  
 2-Fluorobiphenyl  
 Concen: 109.97 ng  
 RT: 9.09 min Scan# 630  
 Delta R.T. 0.00 min  
 Lab File: BF093642.D  
 Acq: 14 Mar 2017 7:34

Tgt Ion:172 Resp: 2292154  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 29.4 44.0  
 170 24.5 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

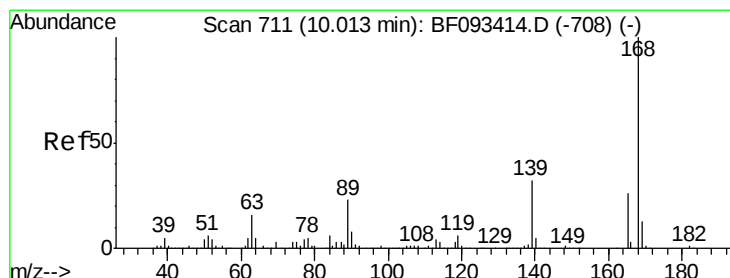
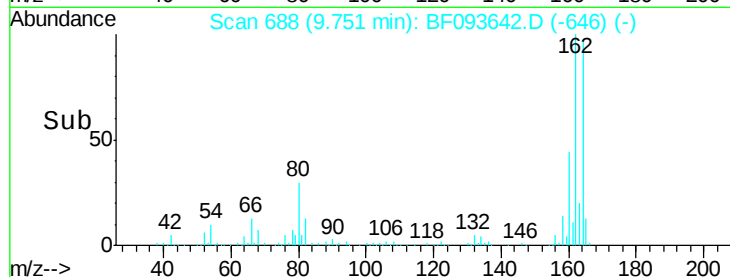
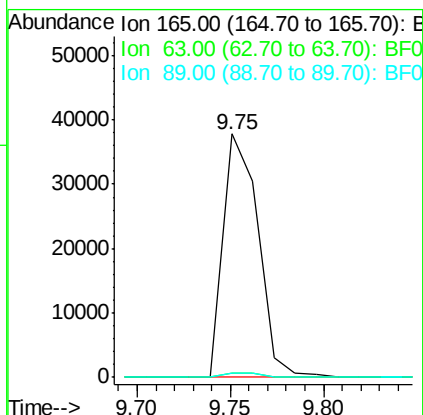
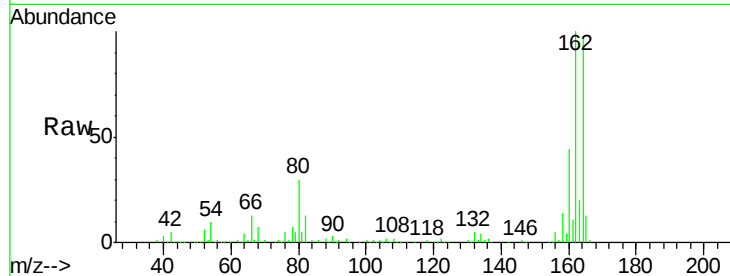




#50  
 2,6-Dinitrotoluene  
 Concen: 8.79 ng  
 RT: 9.75 min Scan# 688  
 Delta R.T. 0.18 min  
 Lab File: BF093642.D  
 Acq: 14 Mar 2017 7:34

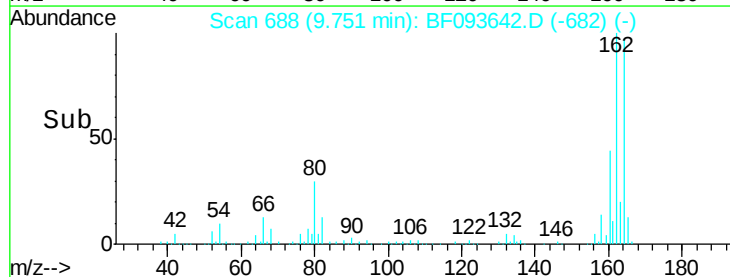
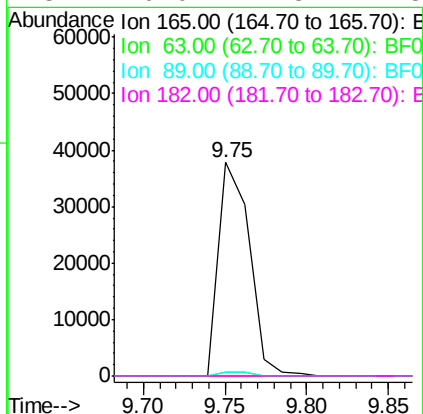
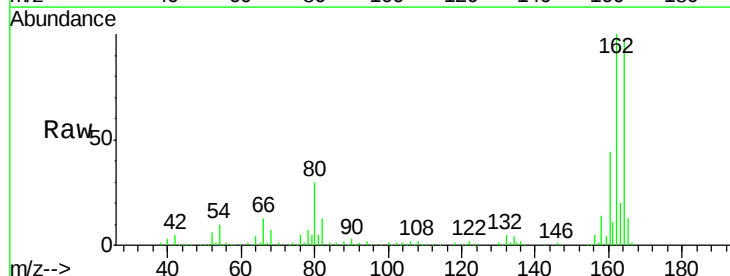
Instrument :  
 BNA\_F  
 ClientSampleId :  
 D-117

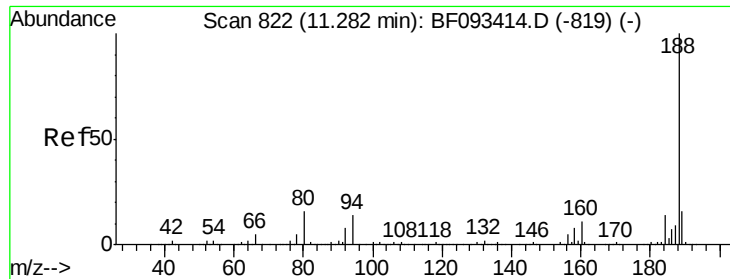
Tgt Ion:165 Resp: 49601  
 Ion Ratio Lower Upper  
 165 100  
 63 1.6 36.2 54.4#  
 89 1.5 40.2 60.4#



#56  
 2,4-Dinitrotoluene  
 Concen: 7.16 ng  
 RT: 9.75 min Scan# 688  
 Delta R.T. -0.23 min  
 Lab File: BF093642.D  
 Acq: 14 Mar 2017 7:34

Tgt Ion:165 Resp: 49604  
 Ion Ratio Lower Upper  
 165 100  
 63 1.6 40.2 60.4#  
 89 1.5 62.5 93.7#  
 182 0.0 1.8 2.8#

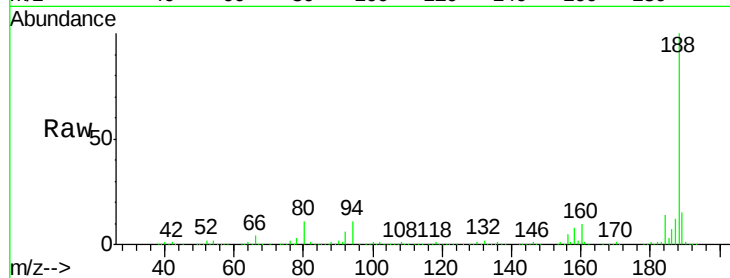




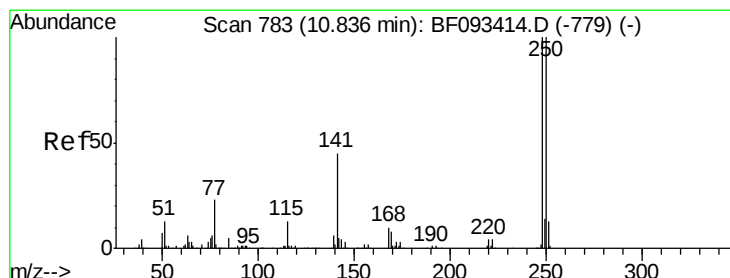
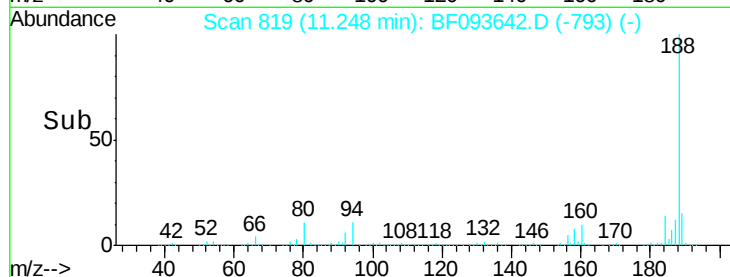
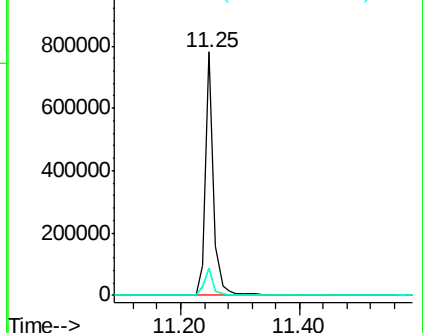
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.25 min Scan# 819  
Delta R.T. 0.00 min  
Lab File: BF093642.D  
Acq: 14 Mar 2017 7:34

Instrument :  
BNA\_F  
ClientSampleId :  
D-117

Tgt Ion:188 Resp: 758201  
Ion Ratio Lower Upper  
188 100  
94 11.0 10.0 15.0  
80 11.3 11.2 16.8

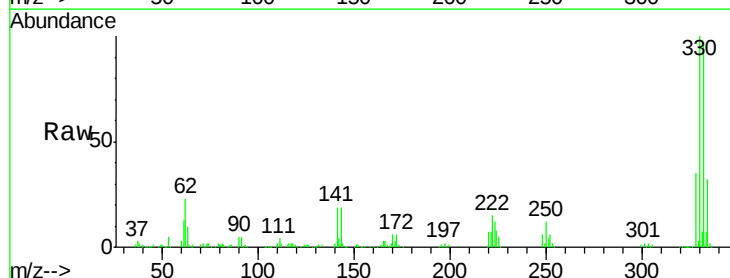


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

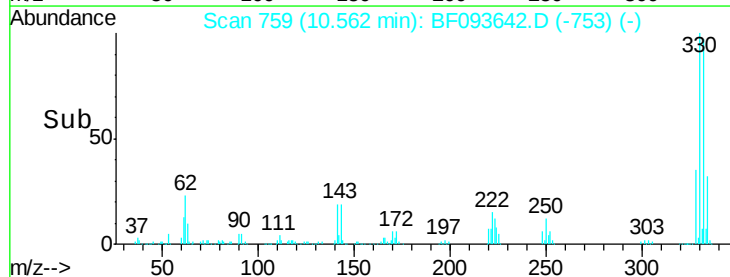
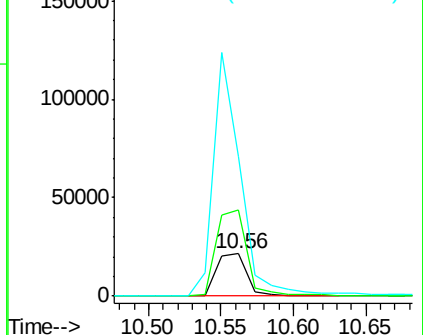


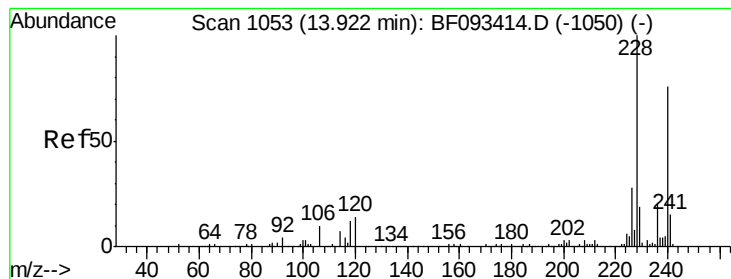
#66  
4-Bromophenyl-phenylether  
Concen: 3.91 ng  
RT: 10.56 min Scan# 759  
Delta R.T. -0.23 min  
Lab File: BF093642.D  
Acq: 14 Mar 2017 7:34

Tgt Ion:248 Resp: 31372  
Ion Ratio Lower Upper  
248 100  
250 204.3 76.9 115.3#  
141 332.3 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: 13.89 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF093642.D

Acq: 14 Mar 2017 7:34

Instrument :

BNA\_F

ClientSampleId :

D-117

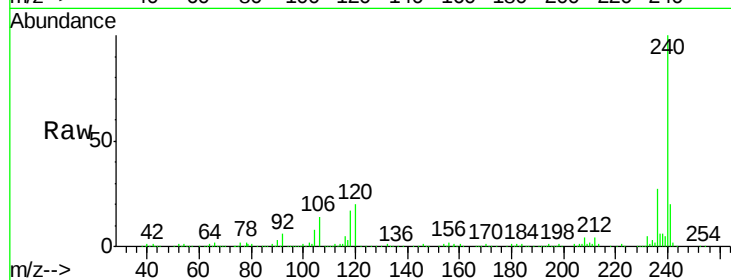
Tgt Ion:240 Resp: 604318

Ion Ratio Lower Upper

240 100

120 19.8 12.9 19.3#

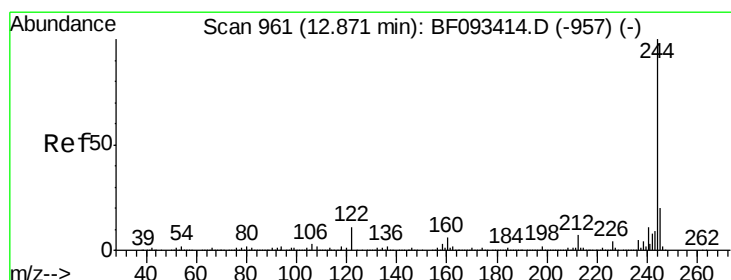
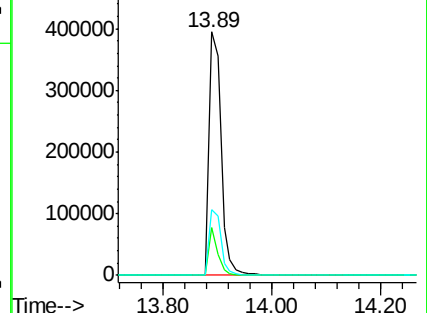
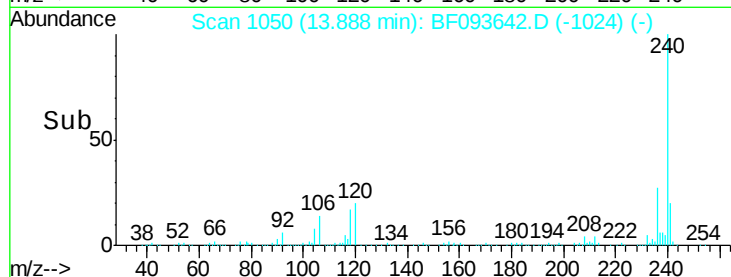
236 26.9 20.9 31.3



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



#78

Terphenyl-d14

Concen: 81.43 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093642.D

Acq: 14 Mar 2017 7:34

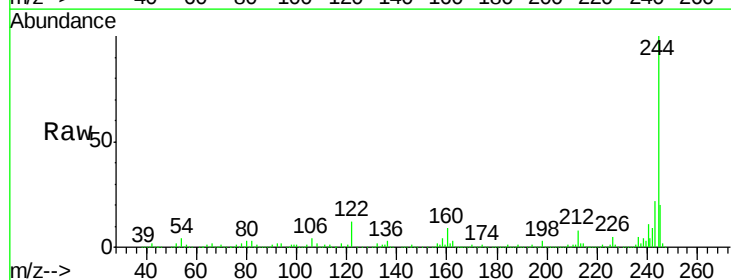
Tgt Ion:244 Resp: 1892682

Ion Ratio Lower Upper

244 100

212 7.9 6.2 9.2

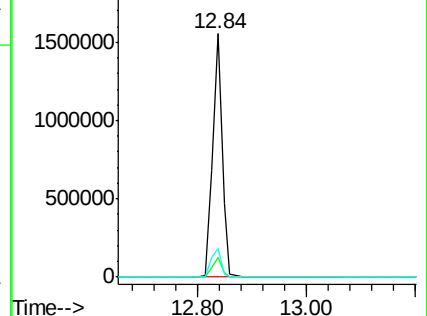
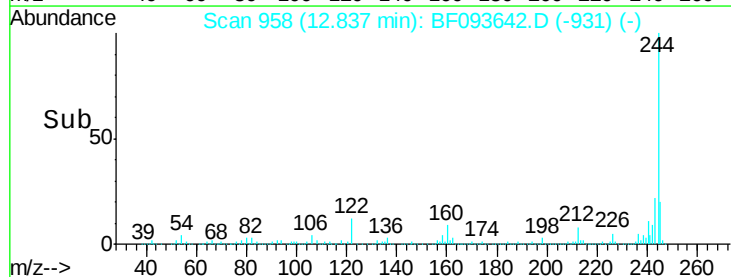
122 11.8 11.4 17.2

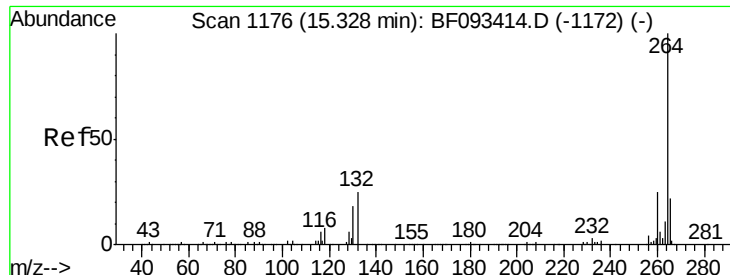


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

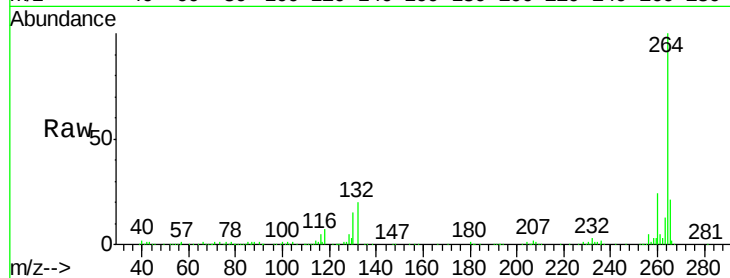




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.31 min Scan# 1174  
Delta R.T. 0.02 min  
Lab File: BF093642.D  
Acq: 14 Mar 2017 7:34

Instrument :  
BNA\_F  
ClientSampleId :  
D-117

Tgt Ion: 264 Resp: 409401  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.2 28.8  
265 21.0 17.4 26.0



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

