

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031317\  
 Data File : BF093657.D  
 Acq On : 14 Mar 2017 14:31  
 Operator : SJ/MA  
 Sample : I2224-01  
 Misc :  
 ALS Vial : 52 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 030917-PRRT-F-U-M

Quant Time: Mar 15 02:33:39 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

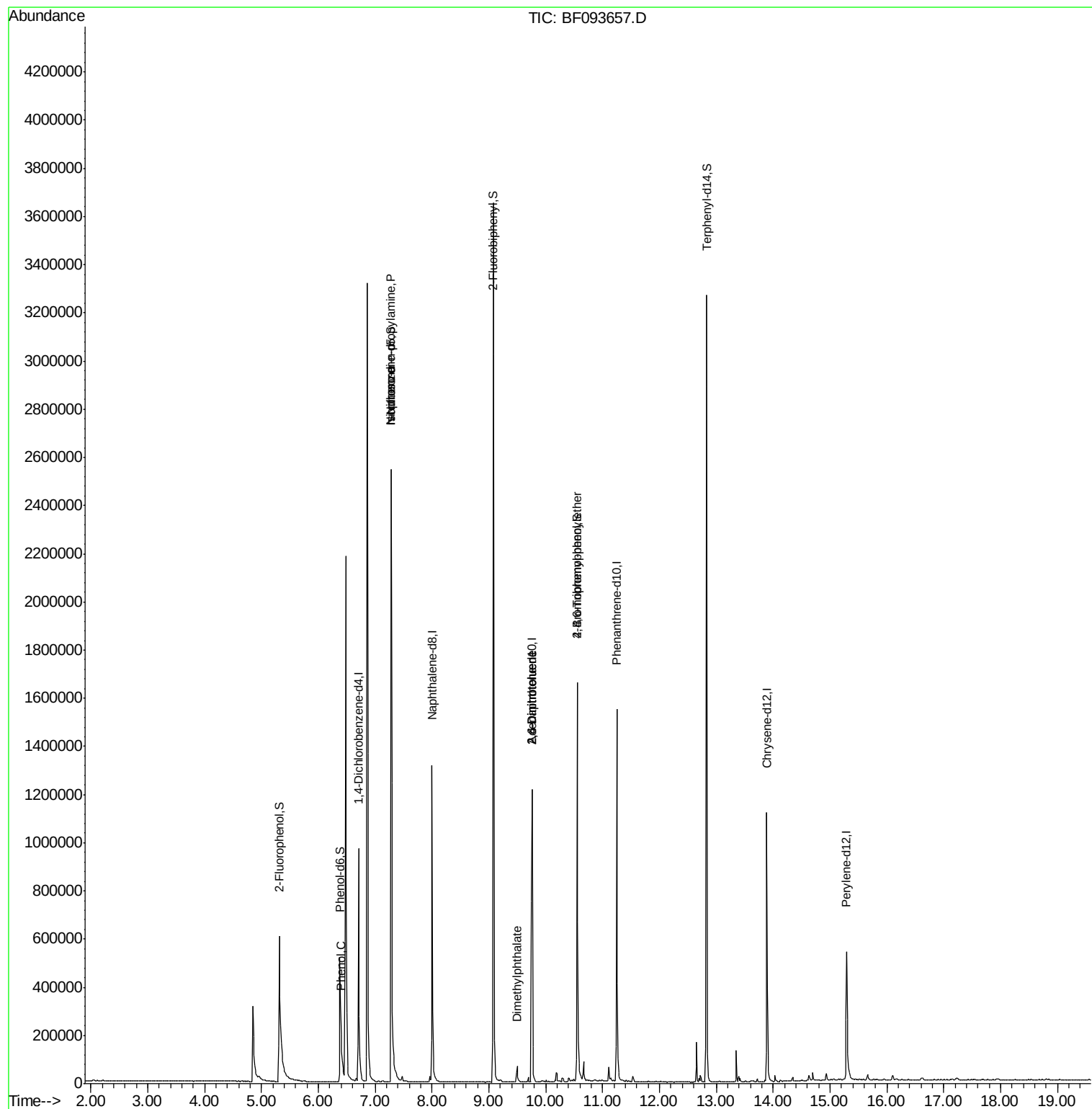
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.71  | 152  | 165895   | 20.00     | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.00  | 136  | 659644   | 20.00     | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.76  | 164  | 303725   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.25 | 188  | 610451   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 13.89 | 240  | 457624   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12               | 15.29 | 264  | 301725   | 20.00     | ng    | 0.01     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.32  | 112  | 381832   | 38.31     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.38  | 99   | 317679   | 25.27     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.28  | 82   | 1081424  | 90.96     | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 10.55 | 330  | 191512   | 96.78     | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.08  | 172  | 1660622  | 101.70    | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.84 | 244  | 1424321  | 80.92     | ng    | 0.01     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.40  | 77   | 826      | Below Cal | #     | 1        |
| 10) Phenol                     | 6.40  | 94   | 54446    | 3.53      | ng    | 84       |
| 19) n-Nitroso-di-n-propylamine | 7.28  | 70   | 140220   | 16.23     | ng    | 86       |
| 25) Isophorone                 | 7.28  | 82   | 1070577  | 44.66     | ng    | 65       |
| 49) Dimethylphthalate          | 9.50  | 163  | 42181    | 2.09      | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.76  | 165  | 39069    | 8.84      | ng    | 32       |
| 56) 2,4-Dinitrotoluene         | 9.76  | 165  | 39063    | 7.20      | ng    | 20       |
| 66) 4-Bromophenyl-phenylether  | 10.55 | 248  | 15156    | 2.35      | ng    | 1        |

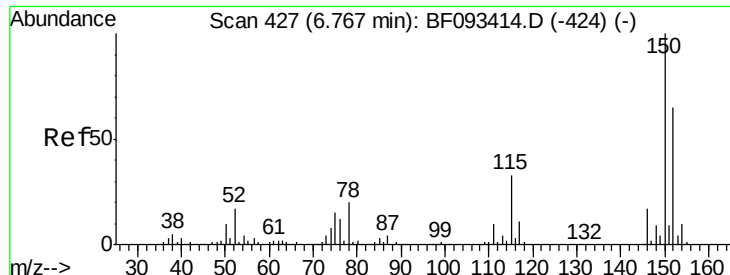
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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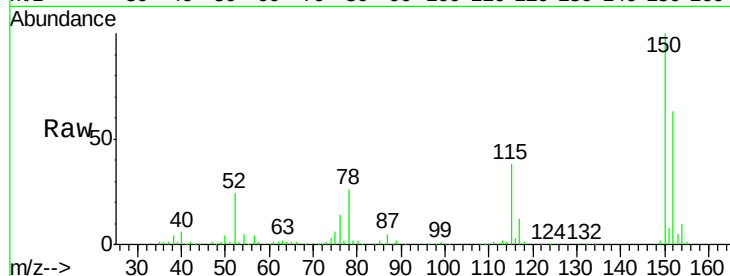


#1

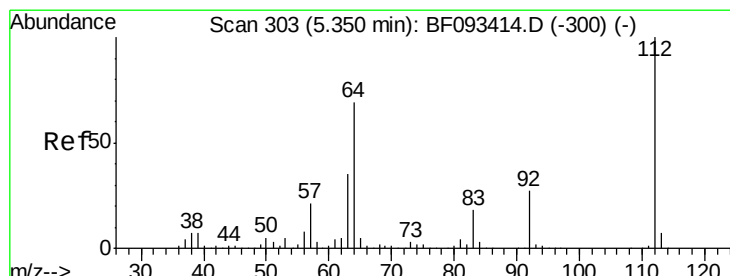
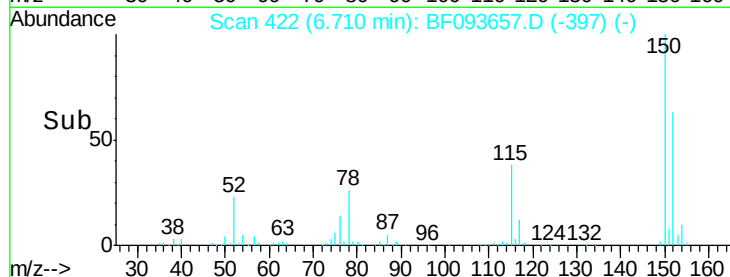
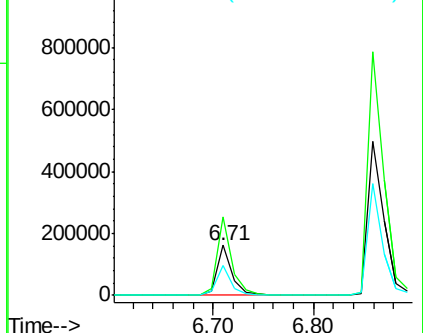
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.71 min Scan# 422  
 Delta R.T. -0.01 min  
 Lab File: BF093657.D  
 Acq: 14 Mar 2017 14:31

Instrument :  
 BNA\_M  
 ClientSampleId :  
 030917-PRRT-F-U-M

Tot Ion:152 Resp: 165895  
 Ion Ratio Lower Upper  
 152 100  
 150 157.5 124.9 187.3  
 115 59.6 46.0 69.0



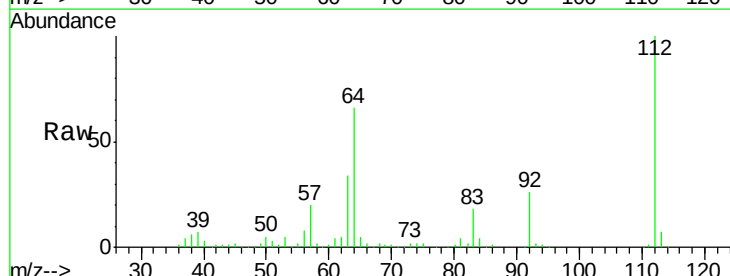
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



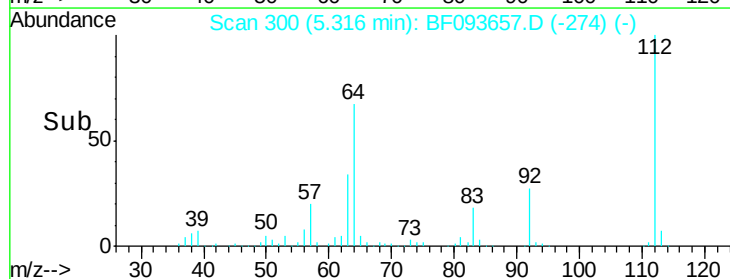
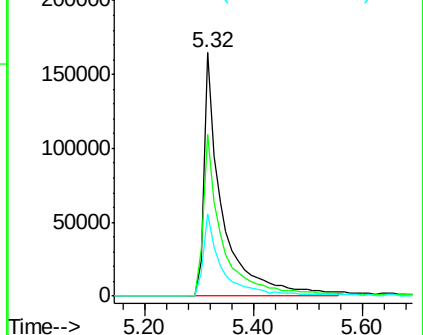
#5

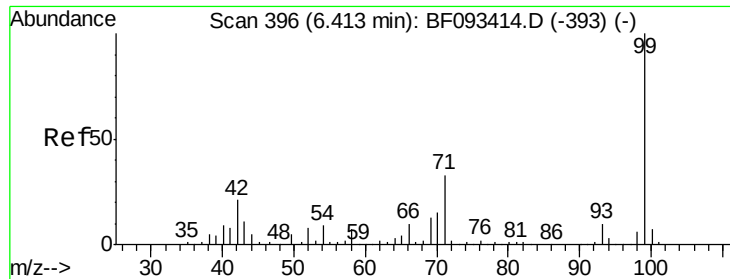
2-Fluorophenol  
 Concen: 38.31 ng  
 RT: 5.32 min Scan# 300  
 Delta R.T. -0.00 min  
 Lab File: BF093657.D  
 Acq: 14 Mar 2017 14:31

Tgt Ion:112 Resp: 381832  
 Ion Ratio Lower Upper  
 112 100  
 64 66.3 46.1 69.1  
 63 33.8 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: 25.27 ng

RT: 6.38 min Scan# 393

Delta R.T. -0.00 min

Lab File: BF093657.D

Acq: 14 Mar 2017 14:31

Instrument :

BNA\_M

ClientSampleId :

030917-PRRT-F-U-M

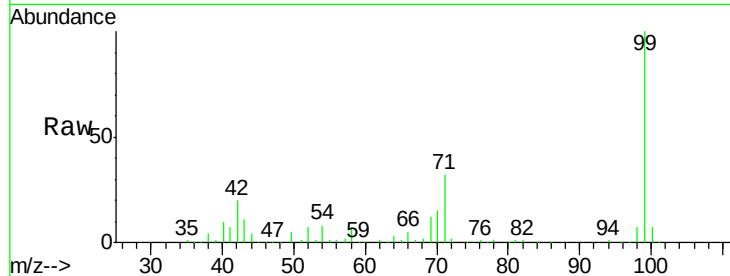
Tot Ion: 99 Resp: 317679

Ion Ratio Lower Upper

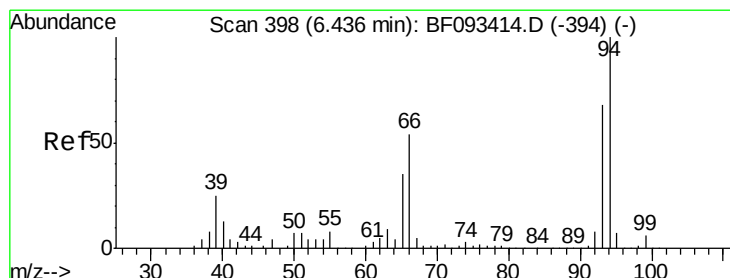
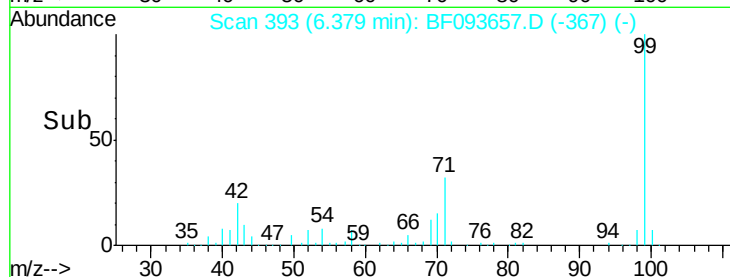
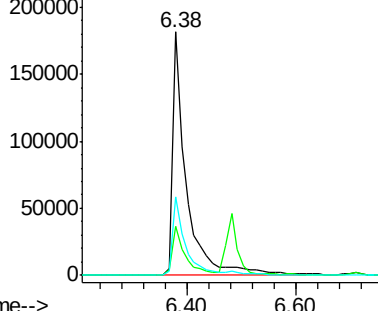
99 100

42 20.2 15.6 23.4

71 32.0 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



#10

Phenol

Concen: 3.53 ng

RT: 6.40 min Scan# 395

Delta R.T. -0.00 min

Lab File: BF093657.D

Acq: 14 Mar 2017 14:31

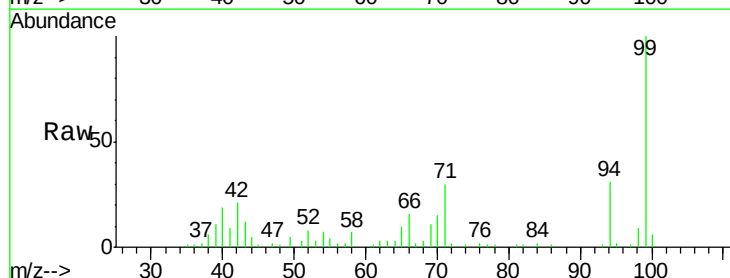
Tgt Ion: 94 Resp: 54446

Ion Ratio Lower Upper

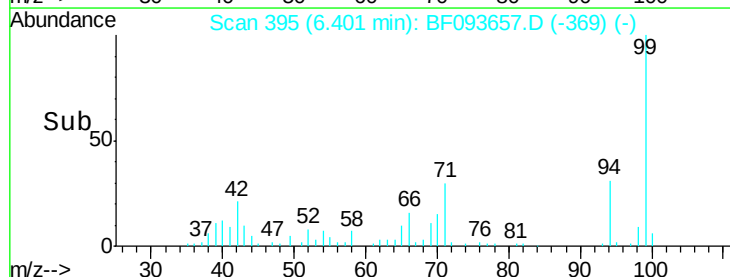
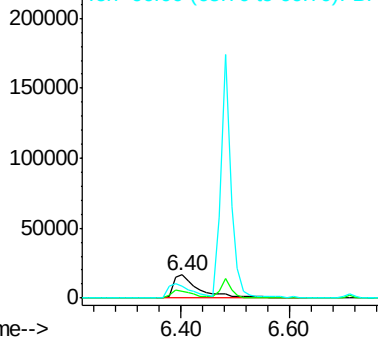
94 100

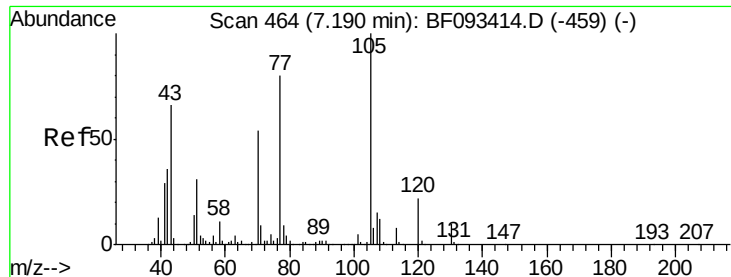
65 31.0 21.4 61.4

66 51.6 44.0 84.0



Abundance Ion 94.00 (93.70 to 94.70): BF0  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 66.00 (65.70 to 66.70): BF0

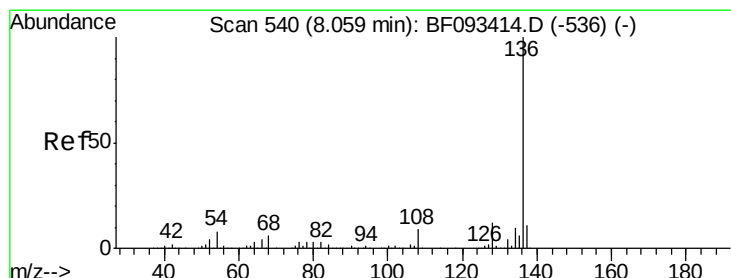
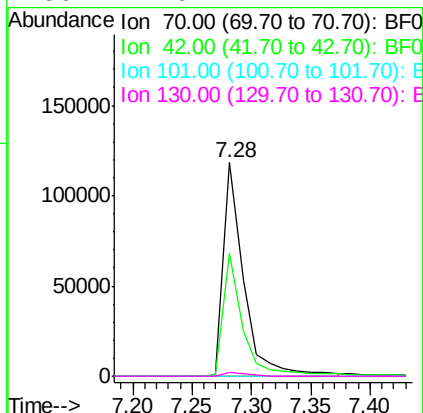
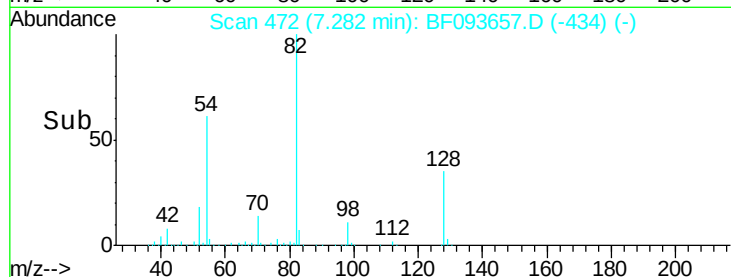
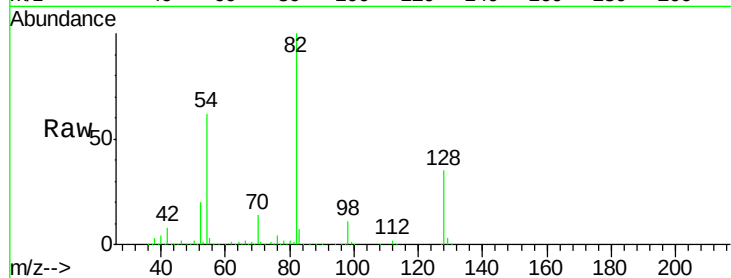




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.23 ng  
RT: 7.28 min Scan# 472  
Delta R.T. 0.14 min  
Lab File: BF093657.D  
Acq: 14 Mar 2017 14:31

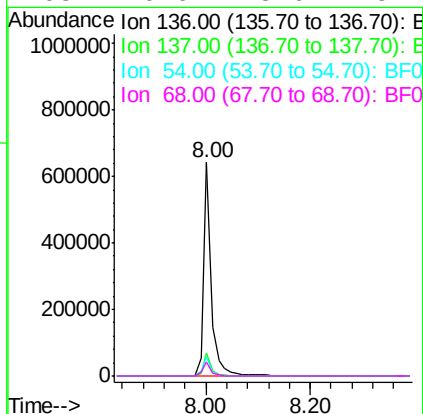
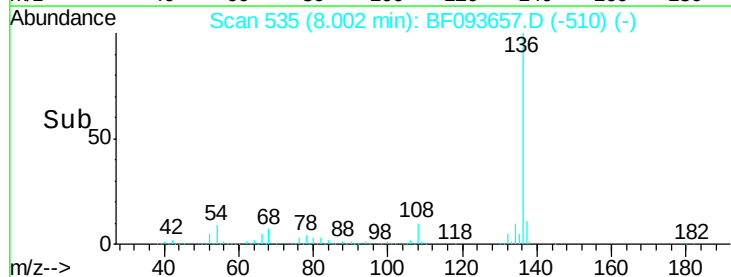
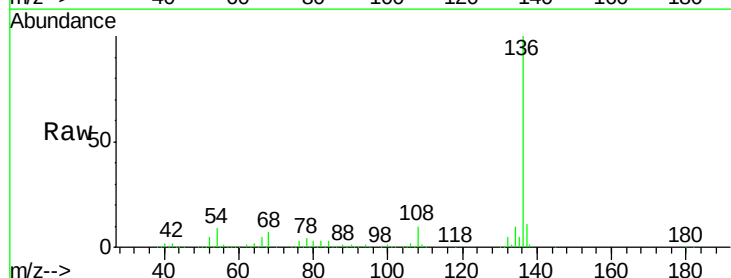
Instrument :  
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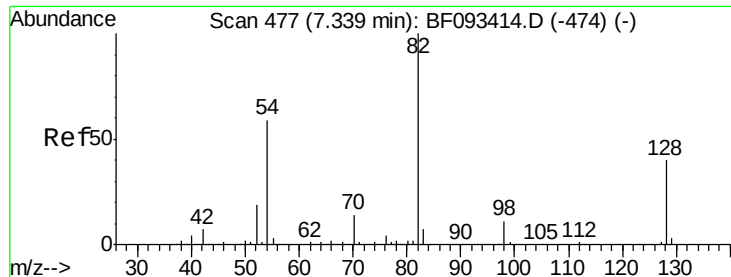
Tot Ion: 70 Resp: 140220  
Ion Ratio Lower Upper  
70 100  
42 57.6 49.4 74.0  
101 0.0 7.4 11.2#  
130 2.0 14.2 21.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.00 min Scan# 535  
Delta R.T. -0.01 min  
Lab File: BF093657.D  
Acq: 14 Mar 2017 14:31

Tgt Ion: 136 Resp: 659644  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.4 12.6  
54 9.3 4.5 6.7#  
68 6.6 3.6 5.4#

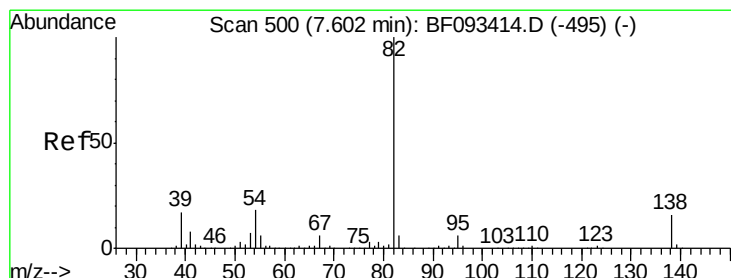
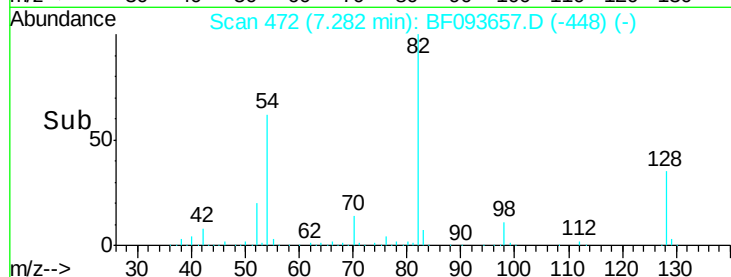
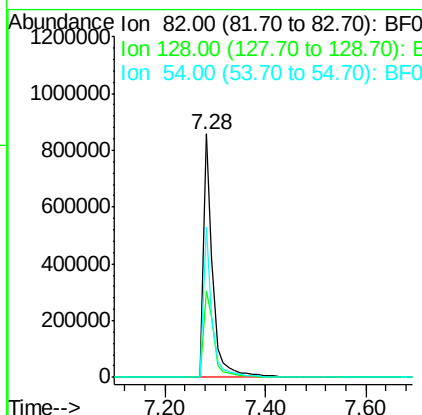
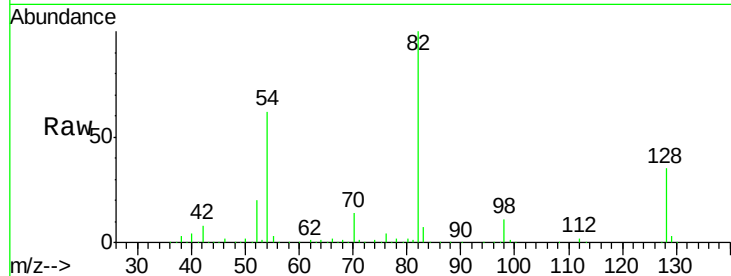




#23  
Nitrobenzene-d5  
Concen: 90.96 ng  
RT: 7.28 min Scan# 472  
Delta R.T. -0.02 min  
Lab File: BF093657.D  
Acq: 14 Mar 2017 14:31

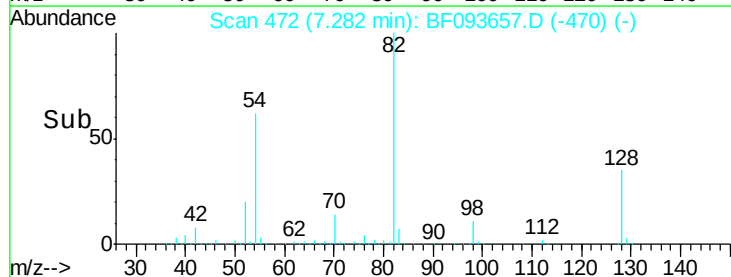
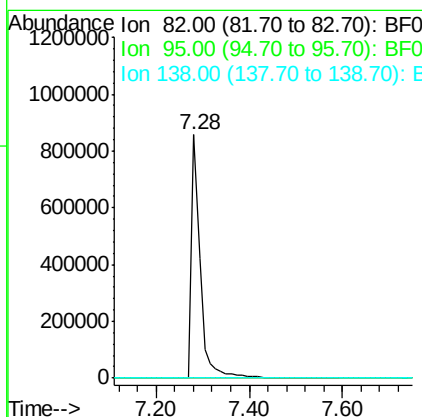
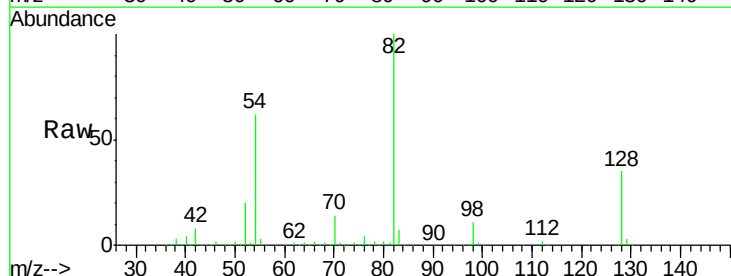
Instrument :  
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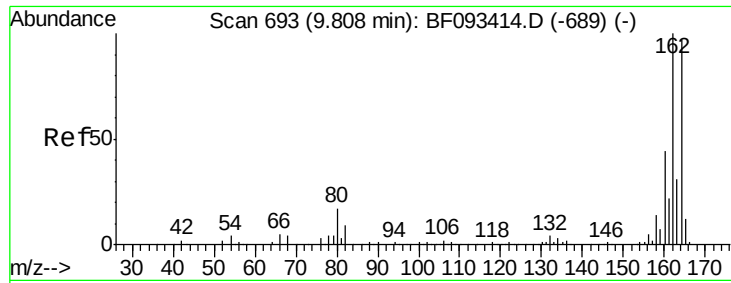
Tot Ion: 82 Resp: 1081424  
Ion Ratio Lower Upper  
82 100  
128 35.2 34.6 52.0  
54 61.5 39.5 59.3#



#25  
Isophorone  
Concen: 44.66 ng  
RT: 7.28 min Scan# 472  
Delta R.T. -0.27 min  
Lab File: BF093657.D  
Acq: 14 Mar 2017 14:31

Tgt Ion: 82 Resp: 1070577  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.6 8.4#  
138 0.0 14.6 22.0#

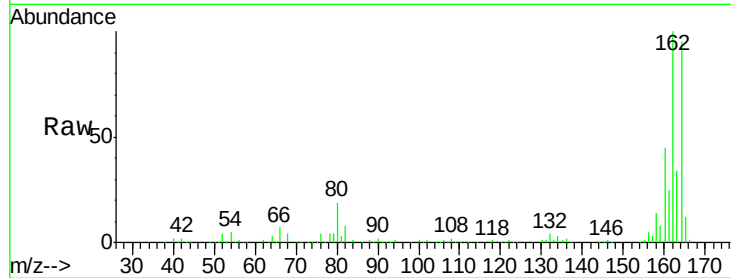




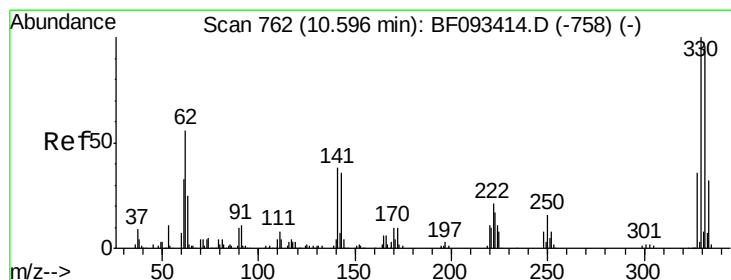
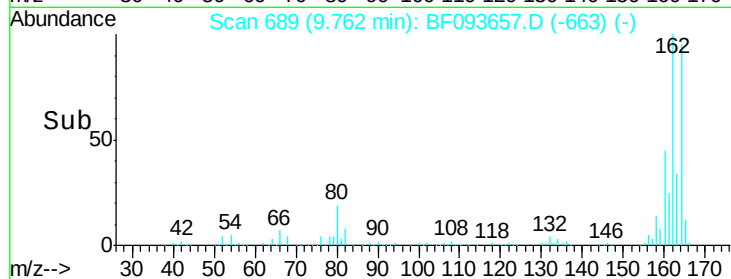
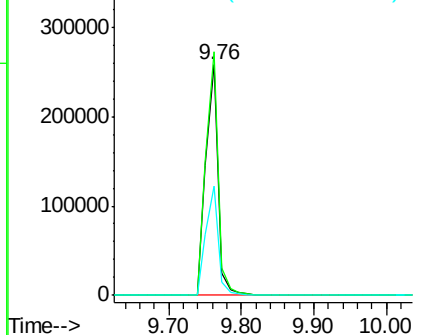
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.76 min Scan# 689  
 Delta R.T. -0.00 min  
 Lab File: BF093657.D  
 Acq: 14 Mar 2017 14:31

Instrument :  
 BNA\_M  
 ClientSampleId :  
 030917-PRRT-F-U-M

Tot Ion:164 Resp: 303725  
 Ion Ratio Lower Upper  
 164 100  
 162 105.7 80.2 120.2  
 160 47.2 36.9 55.3

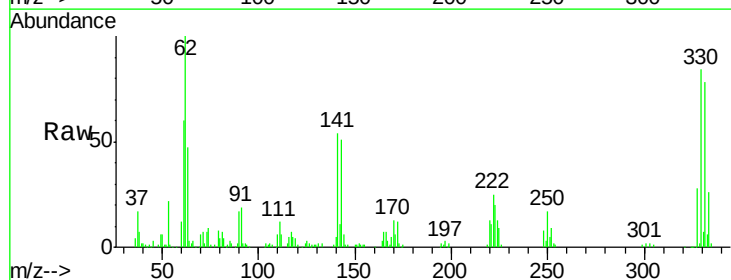


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

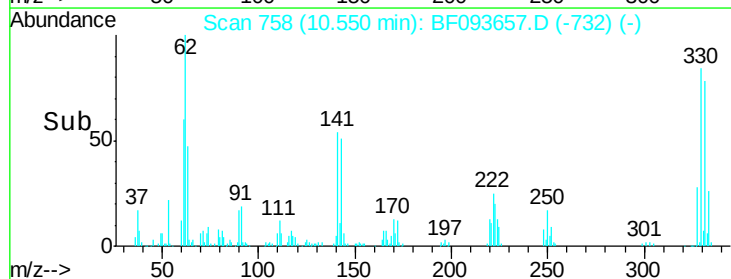
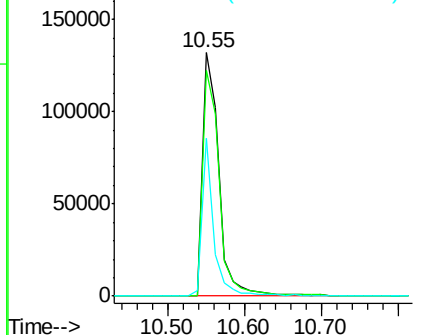


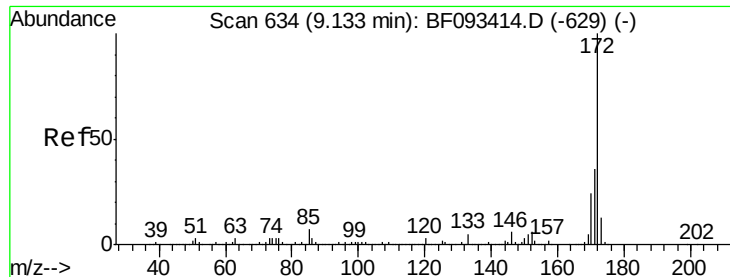
#41  
 2,4,6-Tribromophenol  
 Concen: 96.78 ng  
 RT: 10.55 min Scan# 758  
 Delta R.T. -0.00 min  
 Lab File: BF093657.D  
 Acq: 14 Mar 2017 14:31

Tgt Ion:330 Resp: 191512  
 Ion Ratio Lower Upper  
 330 100  
 332 95.1 77.4 116.2  
 141 46.3 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: 101.70 ng

RT: 9.08 min Scan# 629

Delta R.T. -0.01 min

Lab File: BF093657.D

Acq: 14 Mar 2017 14:31

Instrument :

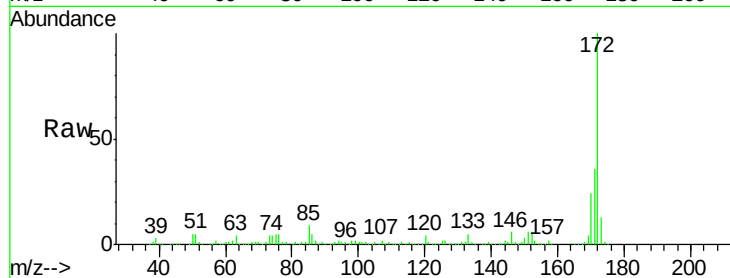
BNA\_M

ClientSampleId :

030917-PRRT-F-U-M

Tot Ion:172 Resp: 1660622

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.0  | 29.4  | 44.0  |
| 170 | 24.5  | 20.2  | 30.4  |

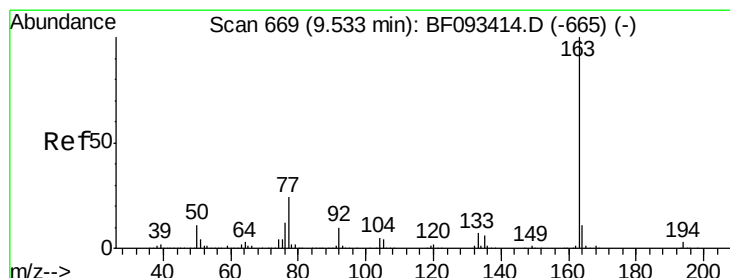
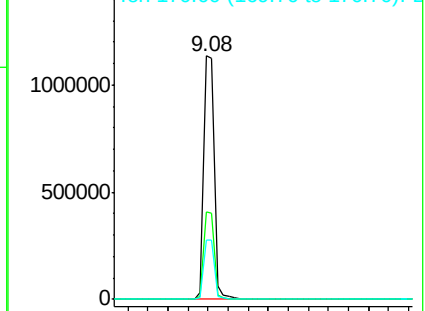
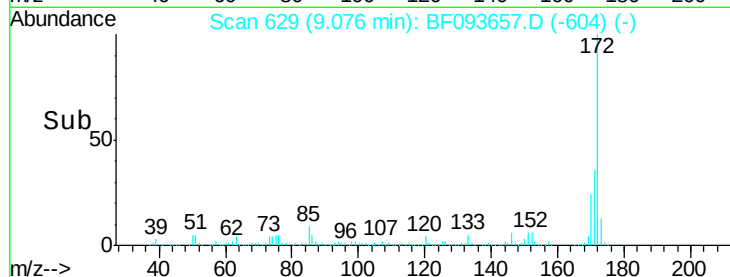


Abundance

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



#49

Dimethylphthalate

Concen: 2.09 ng

RT: 9.50 min Scan# 666

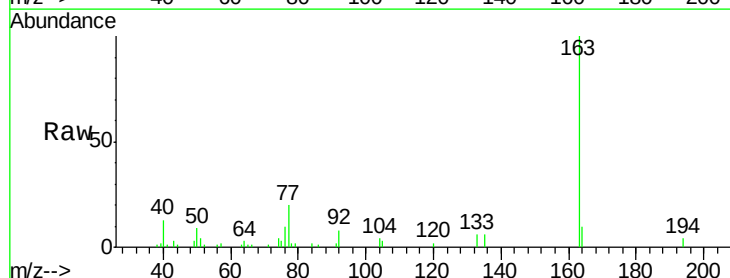
Delta R.T. -0.00 min

Lab File: BF093657.D

Acq: 14 Mar 2017 14:31

Tgt Ion:163 Resp: 42181

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.6   | 3.0   | 4.4   |
| 164 | 10.3  | 8.0   | 12.0  |

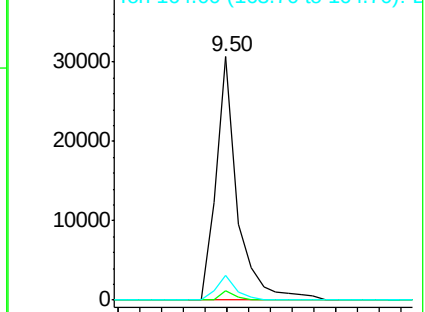
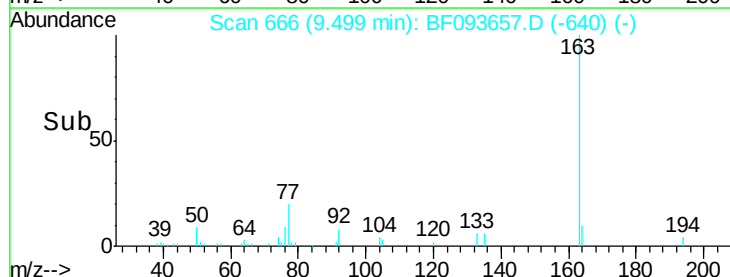


Abundance

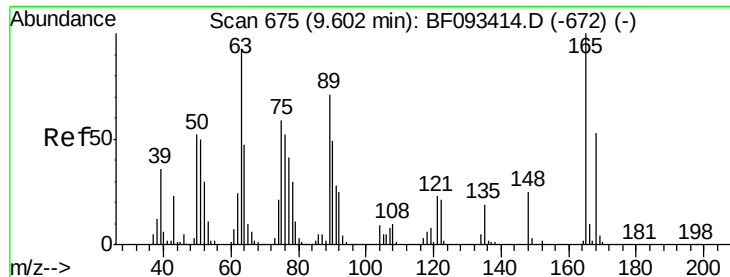
Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



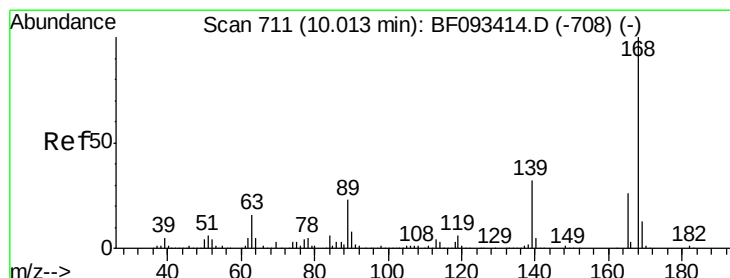
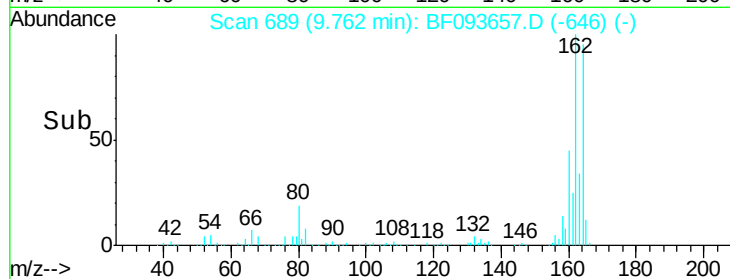
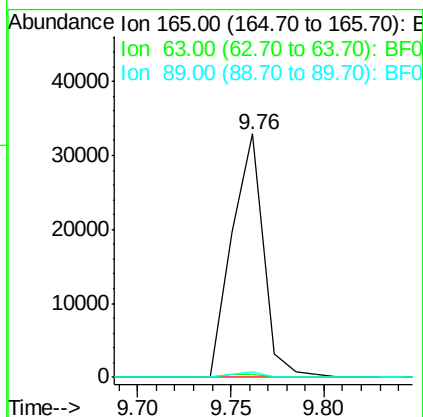
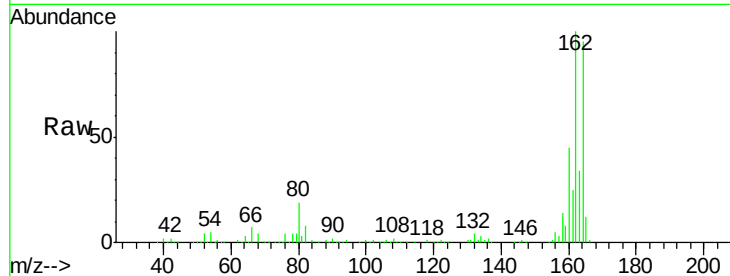




#50  
 2,6-Dinitrotoluene  
 Concen: 8.84 ng  
 RT: 9.76 min Scan# 689  
 Delta R.T. 0.19 min  
 Lab File: BF093657.D  
 Acq: 14 Mar 2017 14:31

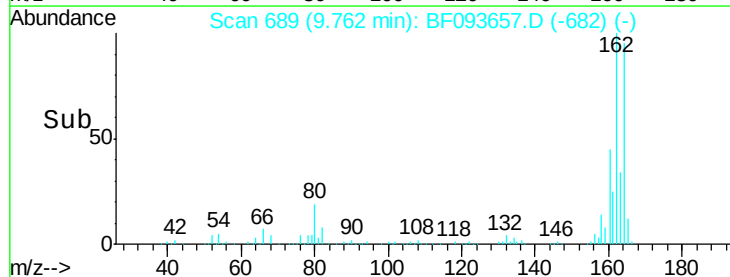
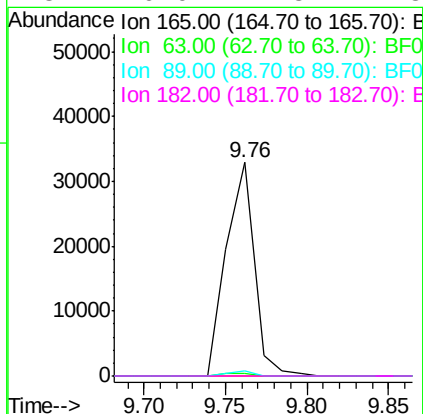
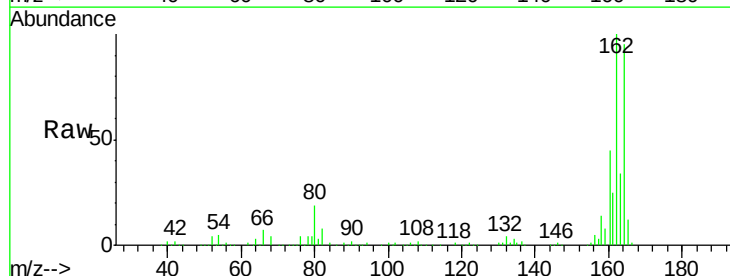
Instrument :  
 BNA\_M  
 ClientSampleId :  
 030917-PRRT-F-U-M

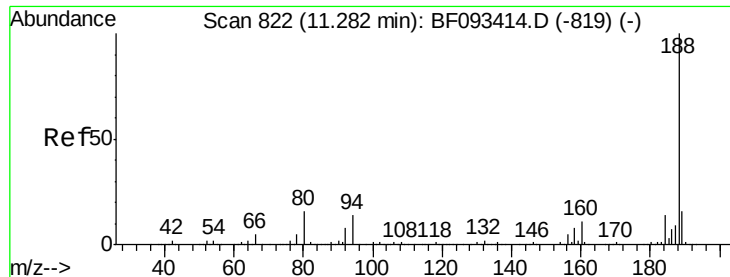
Tot Ion:165 Resp: 39069  
 Ion Ratio Lower Upper  
 165 100  
 63 1.3 36.2 54.4#  
 89 2.1 40.2 60.4#



#56  
 2,4-Dinitrotoluene  
 Concen: 7.20 ng  
 RT: 9.76 min Scan# 689  
 Delta R.T. -0.22 min  
 Lab File: BF093657.D  
 Acq: 14 Mar 2017 14:31

Tgt Ion:165 Resp: 39063  
 Ion Ratio Lower Upper  
 165 100  
 63 1.3 40.2 60.4#  
 89 2.1 62.5 93.7#  
 182 0.0 1.8 2.8#

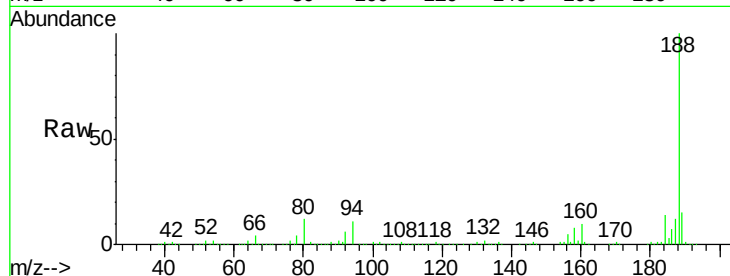




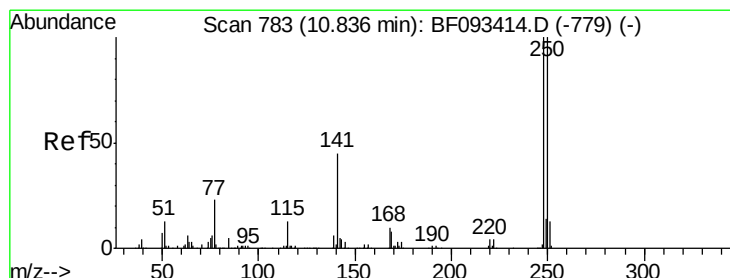
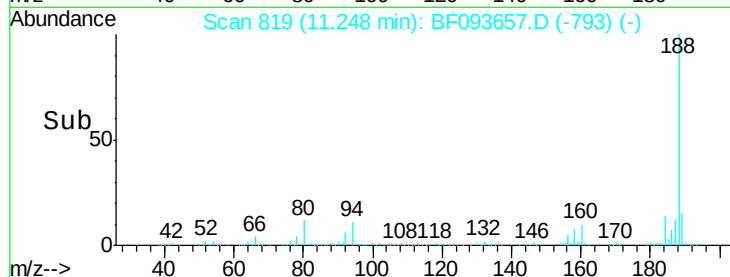
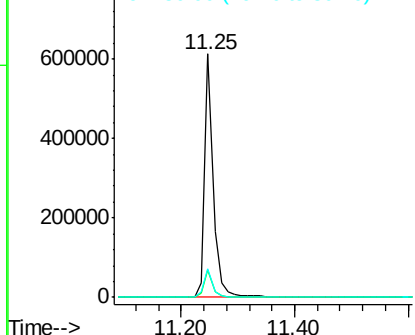
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.25 min Scan# 819  
 Delta R.T. -0.00 min  
 Lab File: BF093657.D  
 Acq: 14 Mar 2017 14:31

Instrument :  
 BNA\_M  
 ClientSampleId :  
 030917-PRRT-F-U-M

Tot Ion:188 Resp: 610451  
 Ion Ratio Lower Upper  
 188 100  
 94 11.3 10.0 15.0  
 80 11.5 11.2 16.8

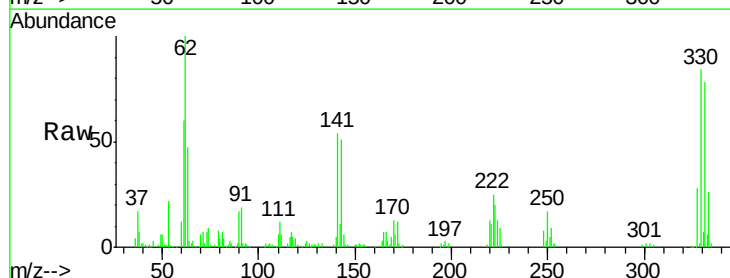


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

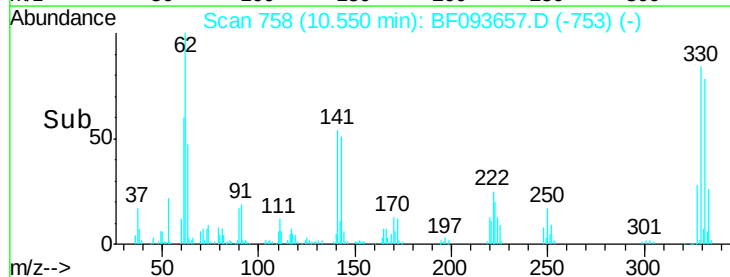
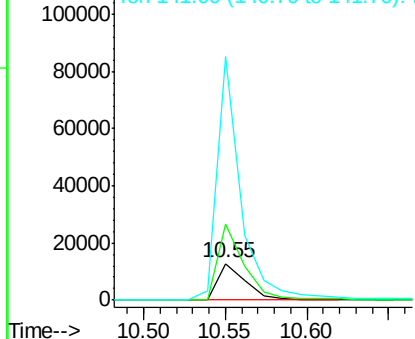


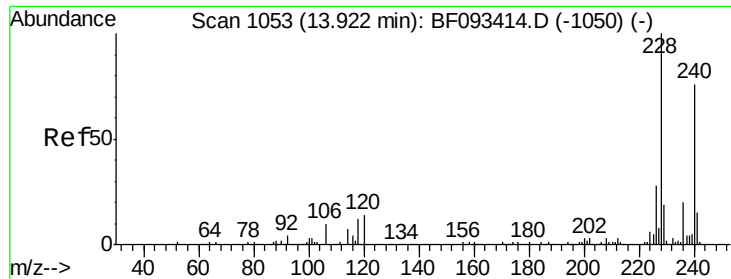
#66  
 4-Bromophenyl-phenylether  
 Concen: 2.35 ng  
 RT: 10.55 min Scan# 758  
 Delta R.T. -0.24 min  
 Lab File: BF093657.D  
 Acq: 14 Mar 2017 14:31

Tgt Ion:248 Resp: 15156  
 Ion Ratio Lower Upper  
 248 100  
 250 205.5 76.9 115.3#  
 141 660.9 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: BF093657.D

Acq: 14 Mar 2017 14:31

Instrument :

BNA\_M

ClientSampleId :

030917-PRRT-F-U-M

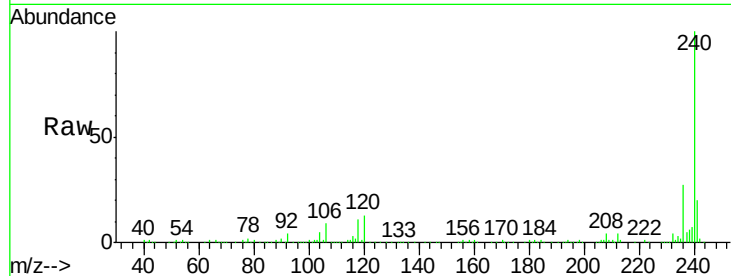
Tot Ion:240 Resp: 457624

Ion Ratio Lower Upper

240 100

120 13.4 12.9 19.3

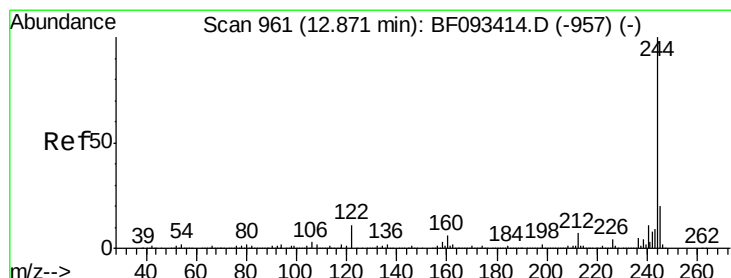
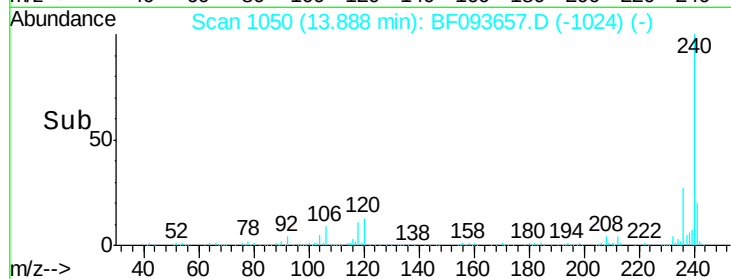
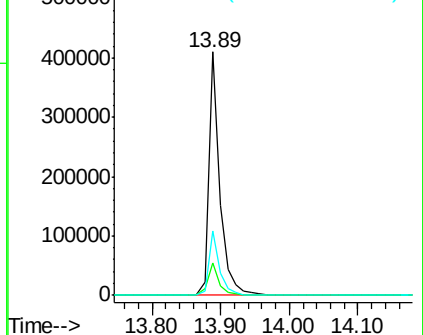
236 26.6 20.9 31.3



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: 80.92 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093657.D

Acq: 14 Mar 2017 14:31

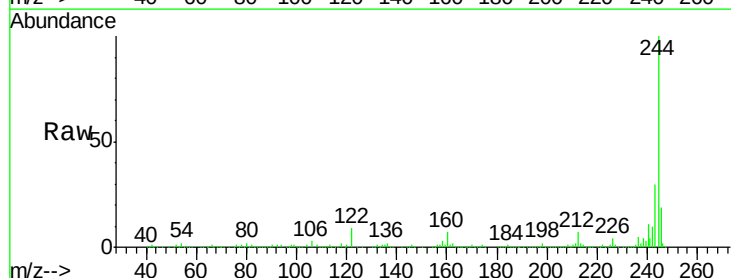
Tgt Ion:244 Resp: 1424321

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

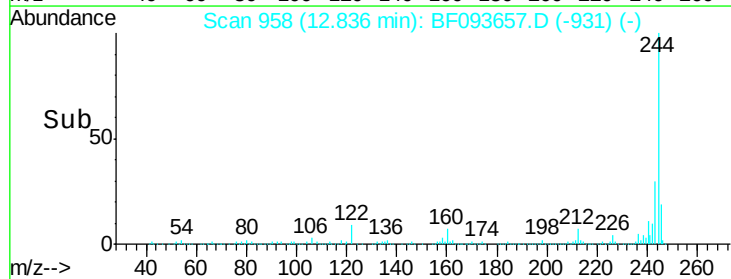
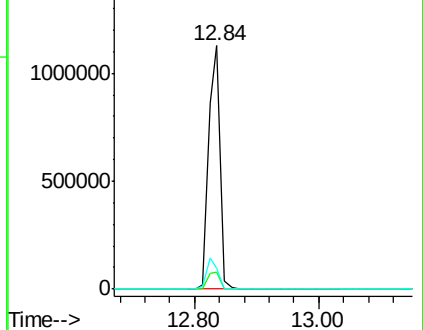
122 8.7 11.4 17.2#

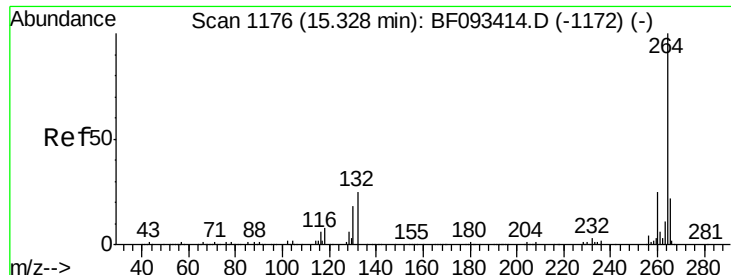


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

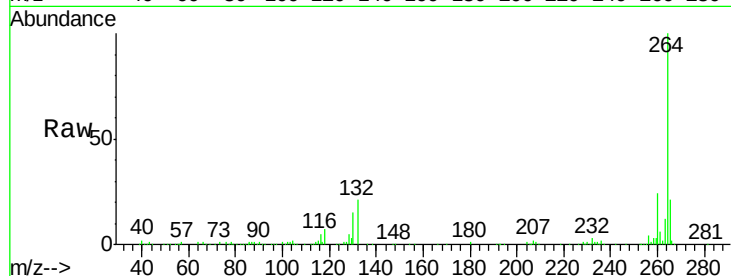




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.29 min Scan# 1173  
Delta R.T. 0.01 min  
Lab File: BF093657.D  
Acq: 14 Mar 2017 14:31

Instrument :  
BNA\_M  
ClientSampleId :  
030917-PRRT-F-U-M

Tot Ion: 264 Resp: 301725  
Ion Ratio Lower Upper  
264 100  
260 24.4 19.2 28.8  
265 21.2 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

