

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF020217\  
 Data File : BF092759.D  
 Acq On : 3 Feb 2017 2:16  
 Operator : SJ/MA  
 Sample : I1650-24  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-42-COMP

Quant Time: Feb 03 03:39:45 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 30 14:50:05 2017  
 Response via : Initial Calibration

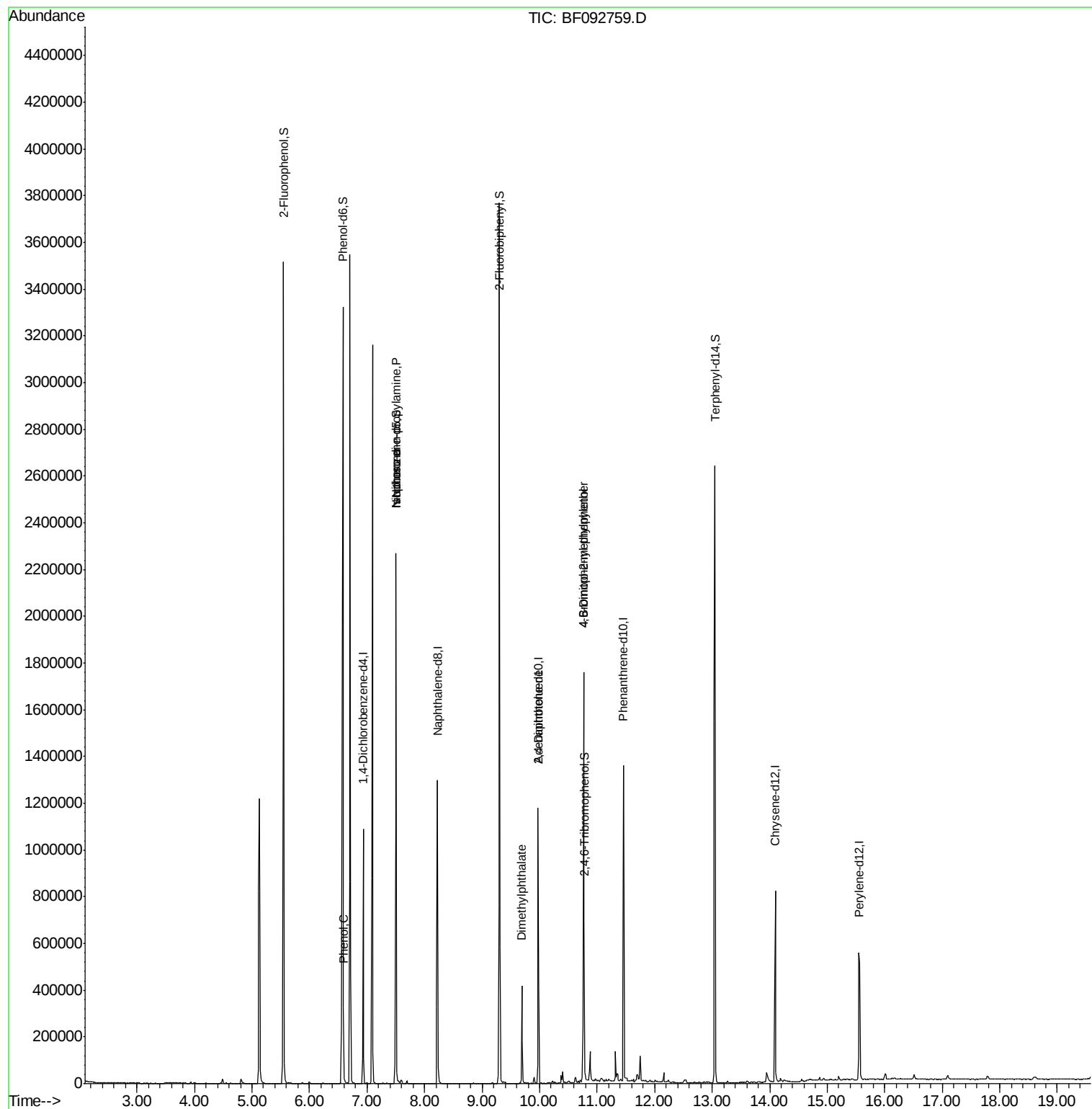
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.93  | 152  | 151032   | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 8.22  | 136  | 597661   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10           | 9.97  | 164  | 276460   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10           | 11.46 | 188  | 469249   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12               | 14.10 | 240  | 335576   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12               | 15.56 | 264  | 304581   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.55  | 112  | 1040578  | 118.20 | ng    | -0.02    |
| 7) Phenol-d6                   | 6.58  | 99   | 1341190  | 118.41 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.50  | 82   | 828676   | 77.21  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 10.77 | 330  | 218221   | 109.14 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 9.30  | 172  | 1222630  | 80.12  | ng    | -0.03    |
| 78) Terphenyl-d14              | 13.05 | 244  | 968835   | 67.84  | ng    | -0.03    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.59  | 94   | 86762    | 6.55   | ng    | # 61     |
| 19) n-Nitroso-di-n-propylamine | 7.50  | 70   | 110040   | 15.26  | ng    | # 79     |
| 25) Isophorone                 | 7.50  | 82   | 810146   | 40.51  | ng    | # 65     |
| 49) Dimethylphthalate          | 9.69  | 163  | 208315   | 11.19  | ng    | # 98     |
| 56) 2,4-Dinitrotoluene         | 9.97  | 165  | 35211    | 6.58   | ng    | # 19     |
| 64) 4,6-Dinitro-2-methylphenol | 10.76 | 198  | 396      | 2.80   | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.76 | 248  | 15770    | 3.22   | ng    | # 1      |

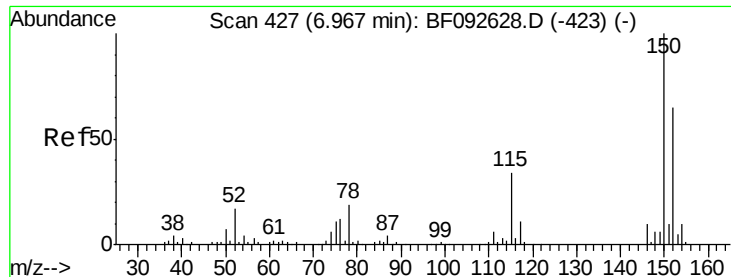
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 424

Delta R.T. -0.03 min

Lab File: BF092759.D

Acq: 3 Feb 2017 2:16

Instrument :

BNA\_F

ClientSampleId :

SB-42-COMP

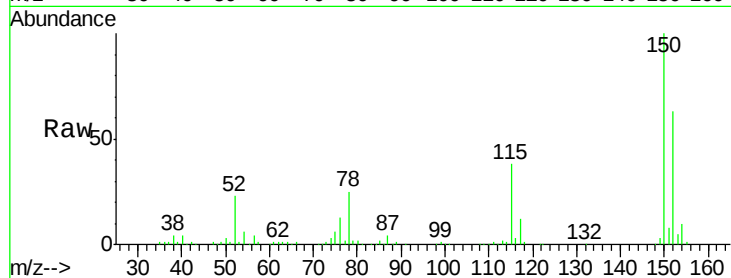
Tgt Ion:152 Resp: 151032

Ion Ratio Lower Upper

152 100

150 158.5 124.9 187.3

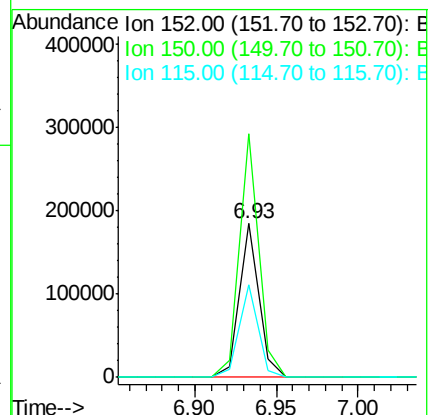
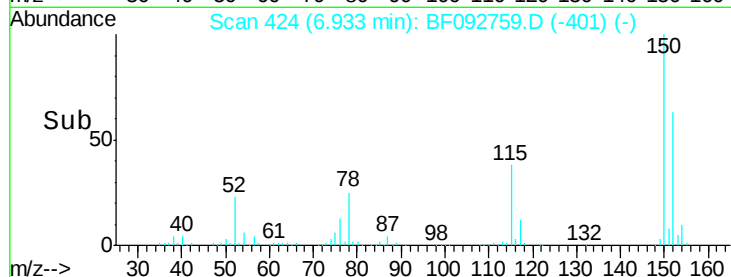
115 60.1 46.0 69.0



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: 118.20 ng

RT: 5.55 min Scan# 303

Delta R.T. -0.02 min

Lab File: BF092759.D

Acq: 3 Feb 2017 2:16

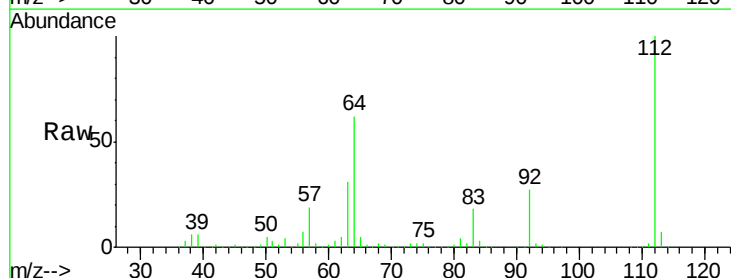
Tgt Ion:112 Resp: 1040578

Ion Ratio Lower Upper

112 100

64 62.2 46.1 69.1

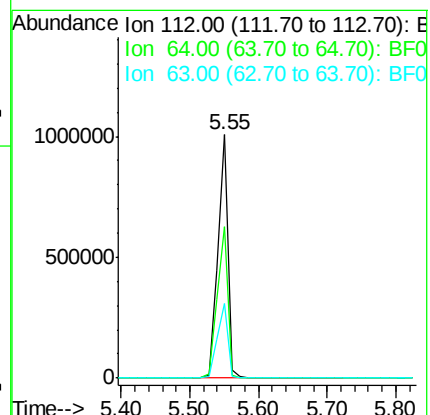
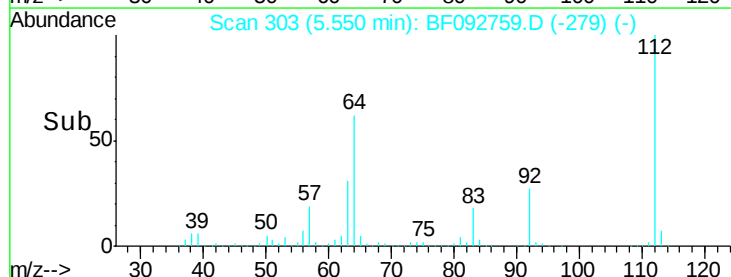
63 30.9 23.8 35.6



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: 118.41 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.02 min

Lab File: BF092759.D

Acq: 3 Feb 2017 2:16

Instrument :

BNA\_F

ClientSampleId :

SB-42-COMP

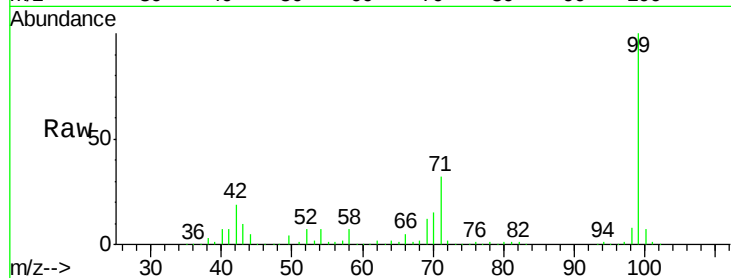
Tgt Ion: 99 Resp: 1341190

Ion Ratio Lower Upper

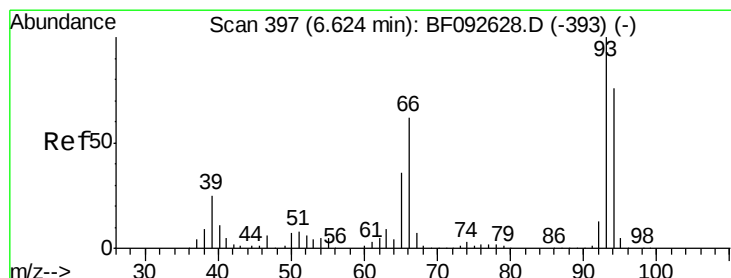
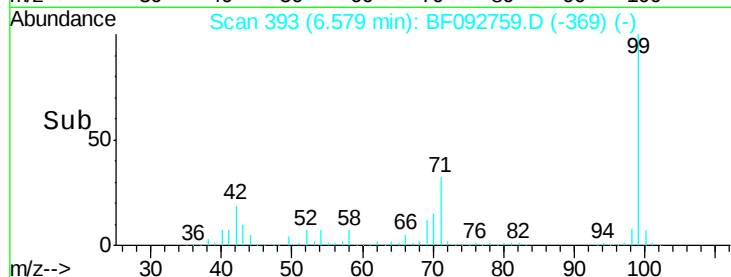
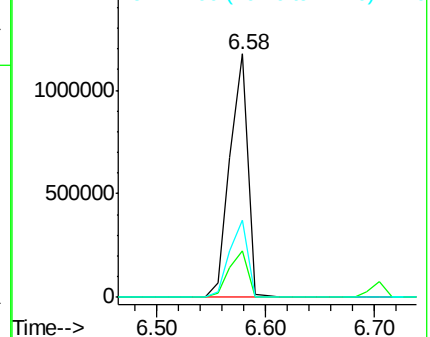
99 100

42 18.9 15.6 23.4

71 31.8 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: 6.55 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.03 min

Lab File: BF092759.D

Acq: 3 Feb 2017 2:16

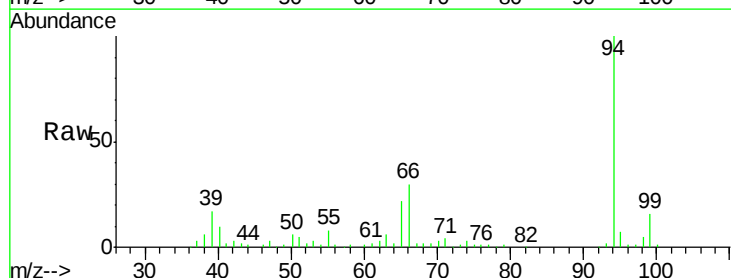
Tgt Ion: 94 Resp: 86762

Ion Ratio Lower Upper

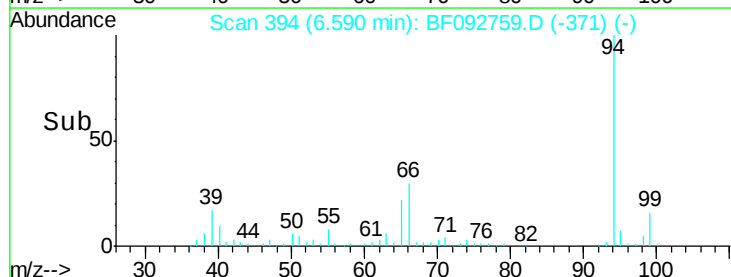
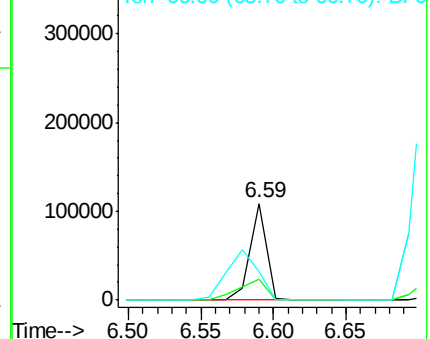
94 100

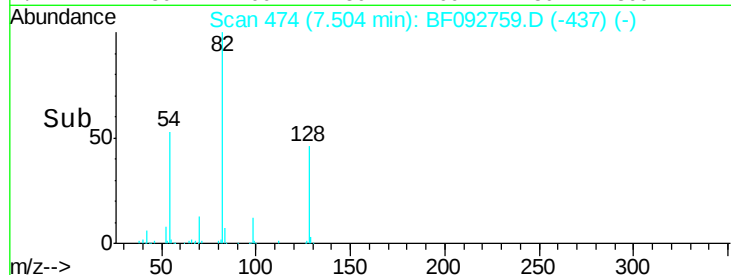
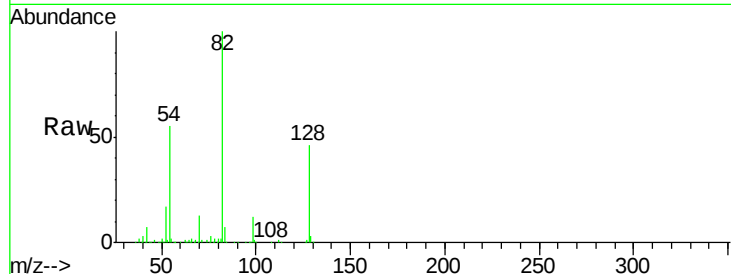
65 22.2 21.4 61.4

66 29.6 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

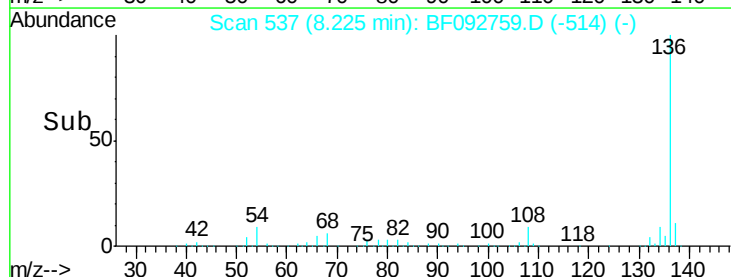
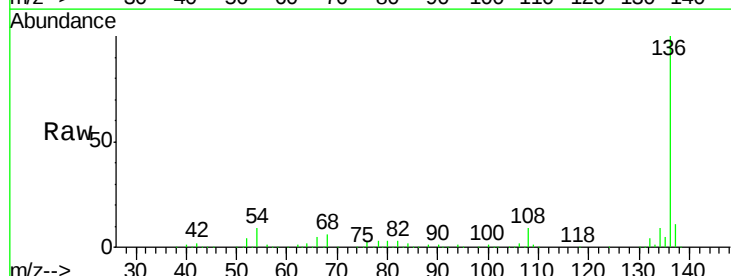
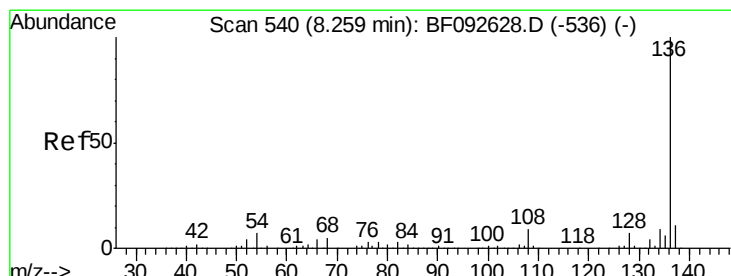
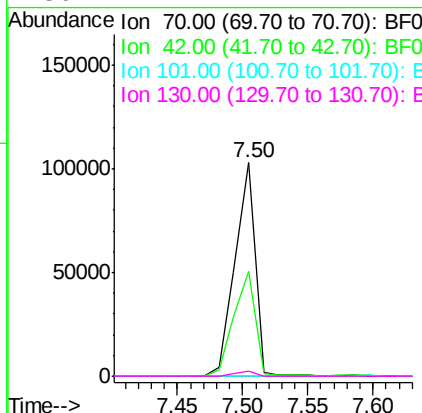




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.26 ng  
RT: 7.50 min Scan# 474  
Delta R.T. 0.13 min  
Lab File: BF092759.D  
Acq: 3 Feb 2017 2:16

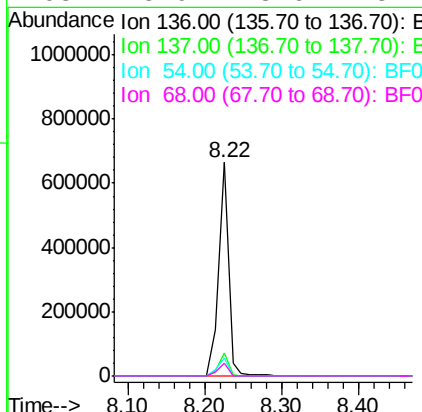
Instrument :  
BNA\_F  
ClientSampleId :  
SB-42-COMP

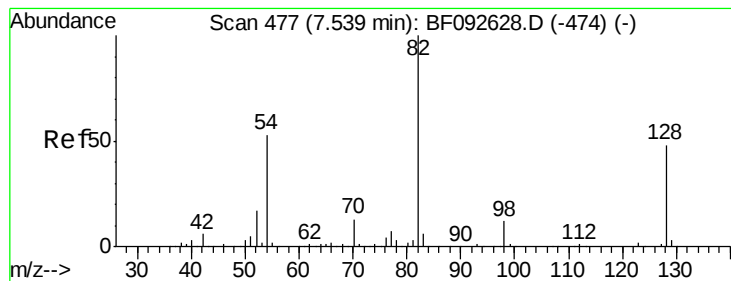
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 48.9  | 49.4  | 74.0# |
| 101     | 0.0   | 7.4   | 11.2# |
| 130     | 2.2   | 14.2  | 21.4# |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.22 min Scan# 537  
Delta R.T. -0.03 min  
Lab File: BF092759.D  
Acq: 3 Feb 2017 2:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 10.7  | 8.4   | 12.6  |
| 54      | 8.7   | 4.5   | 6.7#  |
| 68      | 5.9   | 3.6   | 5.4#  |





#23

Nitrobenzene-d5

Concen: 77.21 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.03 min

Lab File: BF092759.D

Acq: 3 Feb 2017 2:16

Instrument :

BNA\_F

ClientSampleId :

SB-42-COMP

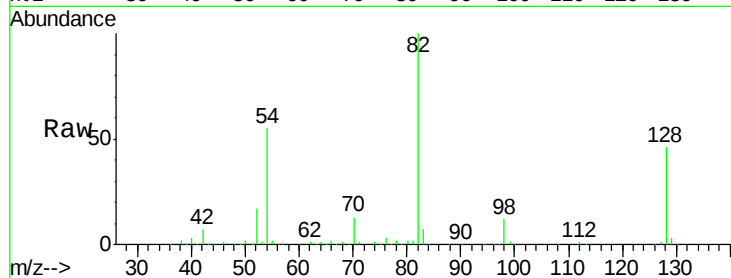
Tgt Ion: 82 Resp: 828676

Ion Ratio Lower Upper

82 100

128 46.0 34.6 52.0

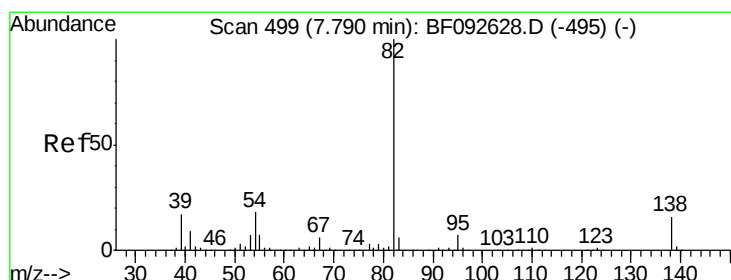
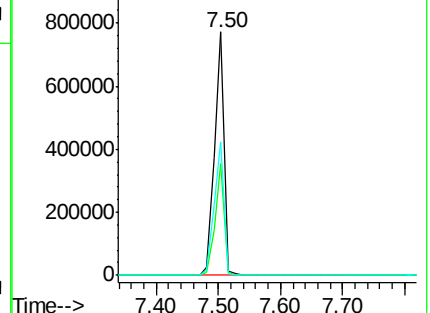
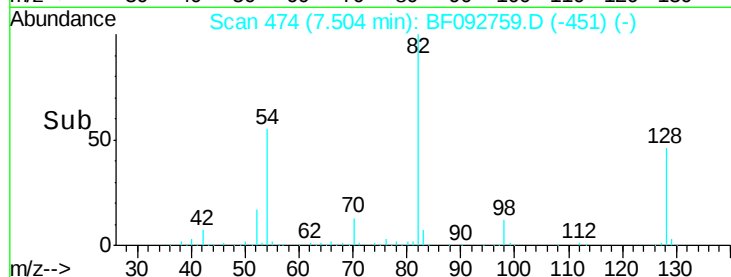
54 55.0 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 40.51 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.29 min

Lab File: BF092759.D

Acq: 3 Feb 2017 2:16

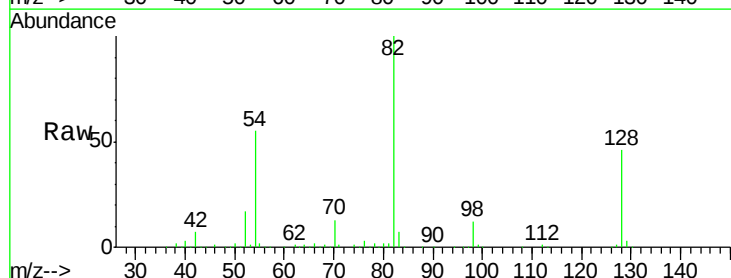
Tgt Ion: 82 Resp: 810146

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

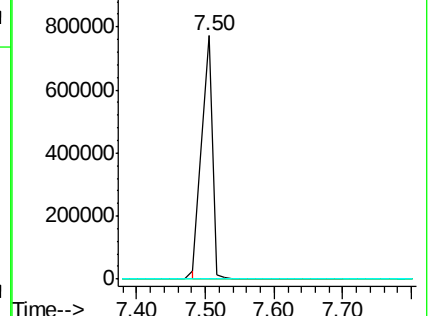
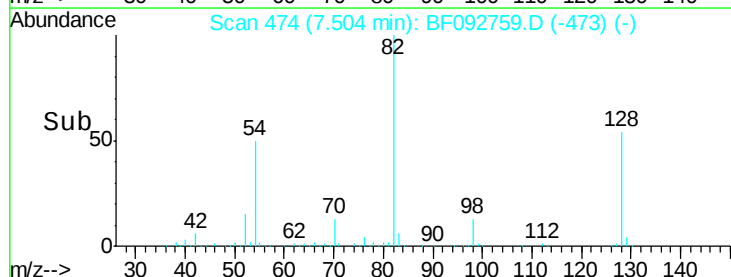
138 0.0 14.6 22.0#

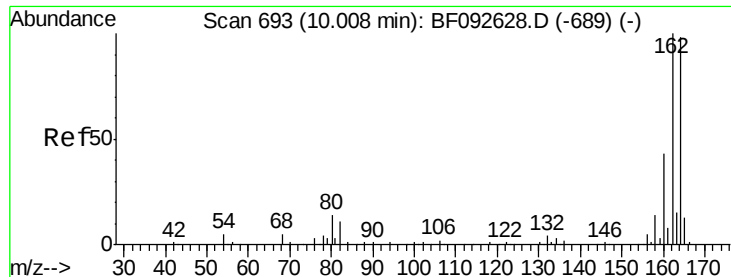


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

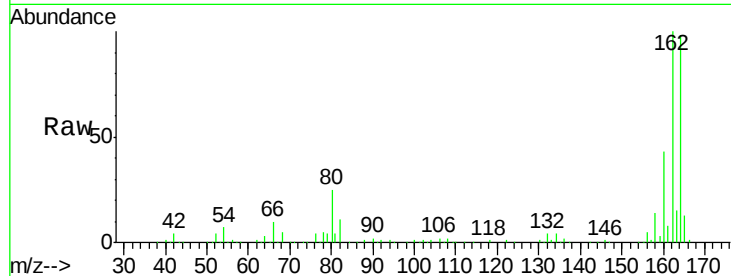




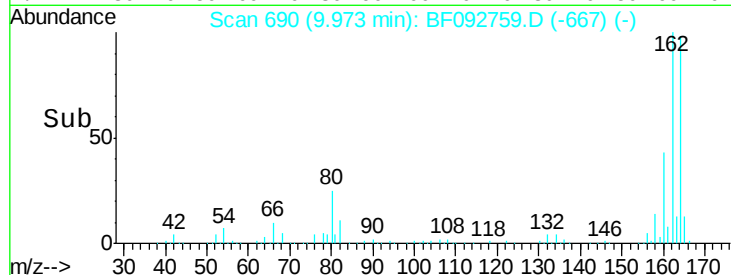
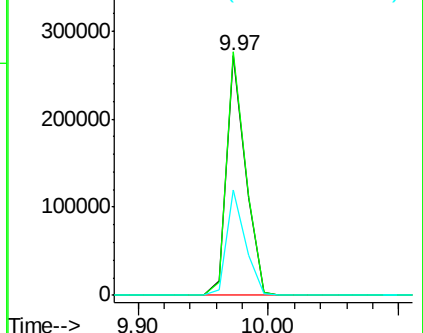
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.97 min Scan# 690  
Delta R.T. -0.03 min  
Lab File: BF092759.D  
Acq: 3 Feb 2017 2:16

Instrument :  
BNA\_F  
ClientSampleId :  
SB-42-COMP

Tgt Ion:164 Resp: 276460  
Ion Ratio Lower Upper  
164 100  
162 101.7 80.2 120.2  
160 44.0 36.9 55.3

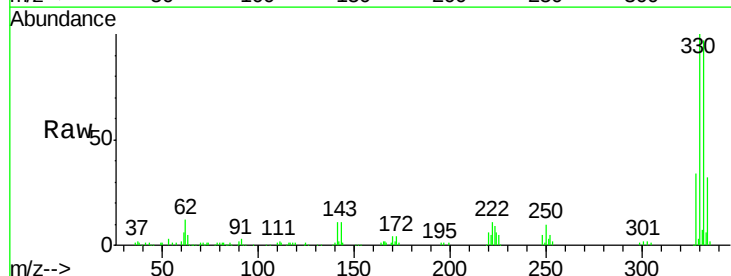


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

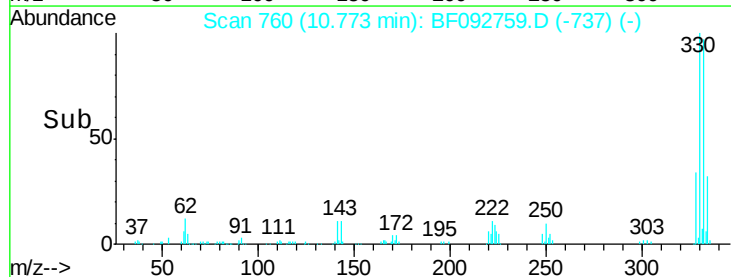
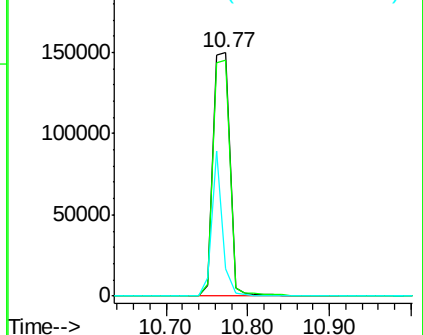


#41  
2,4,6-Tribromophenol  
Concen: 109.14 ng  
RT: 10.77 min Scan# 760  
Delta R.T. -0.03 min  
Lab File: BF092759.D  
Acq: 3 Feb 2017 2:16

Tgt Ion:330 Resp: 218221  
Ion Ratio Lower Upper  
330 100  
332 97.0 77.4 116.2  
141 38.2 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

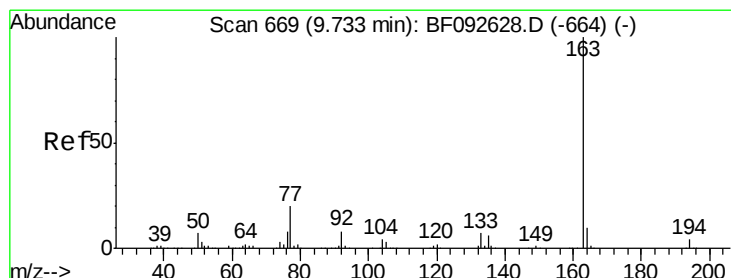
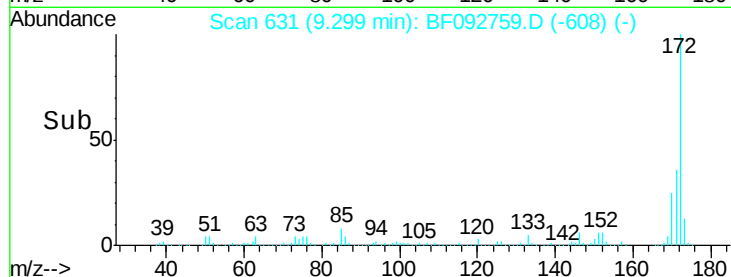
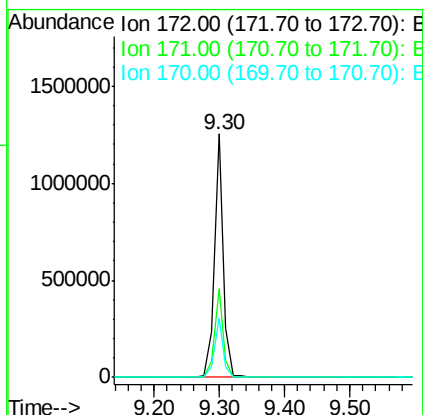
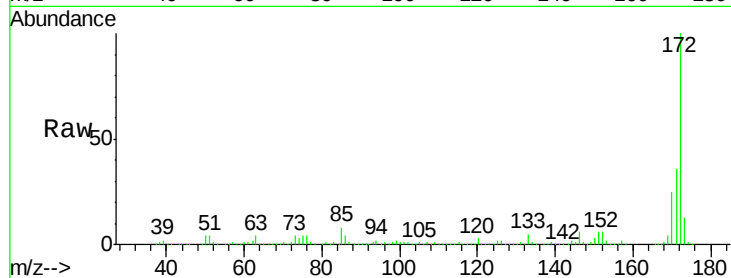




#44  
2-Fluorobiphenyl  
Concen: 80.12 ng  
RT: 9.30 min Scan# 631  
Delta R.T. -0.03 min  
Lab File: BF092759.D  
Acq: 3 Feb 2017 2:16

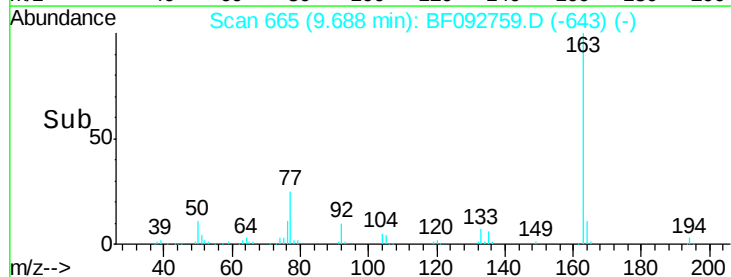
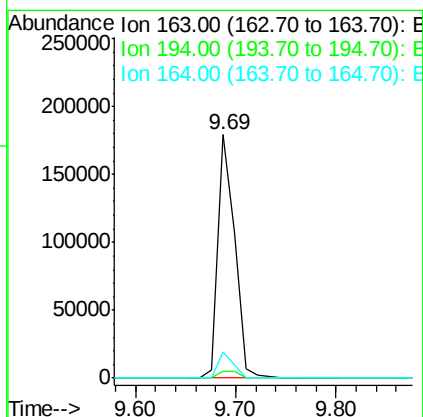
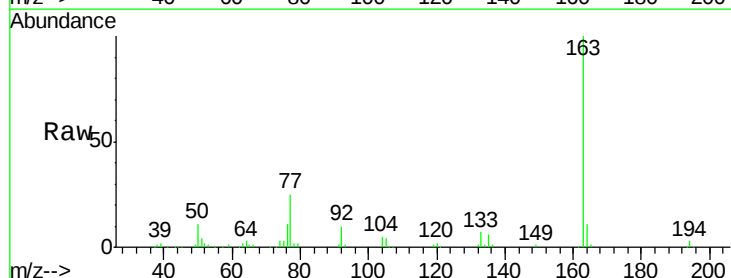
Instrument :  
BNA\_F  
ClientSampleId :  
SB-42-COMP

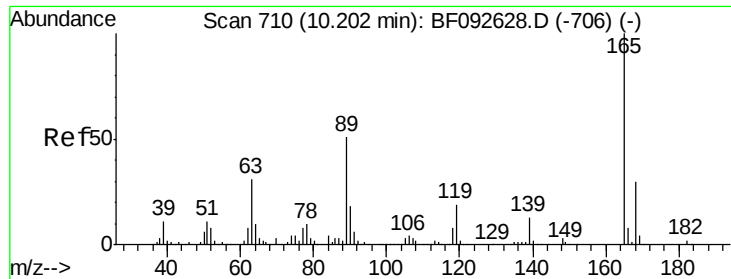
Tgt Ion:172 Resp: 1222630  
Ion Ratio Lower Upper  
172 100  
171 36.3 29.4 44.0  
170 24.6 20.2 30.4



#49  
Dimethylphthalate  
Concen: 11.19 ng  
RT: 9.69 min Scan# 665  
Delta R.T. -0.05 min  
Lab File: BF092759.D  
Acq: 3 Feb 2017 2:16

Tgt Ion:163 Resp: 208315  
Ion Ratio Lower Upper  
163 100  
194 3.0 3.0 4.4  
164 10.5 8.0 12.0

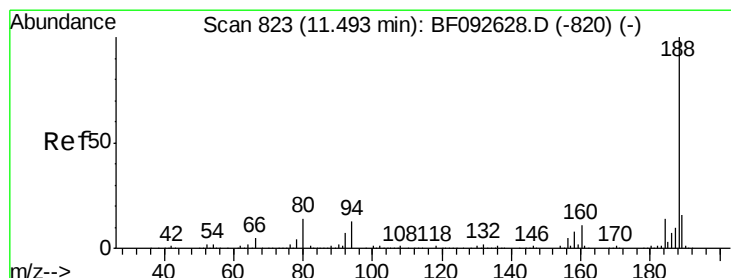
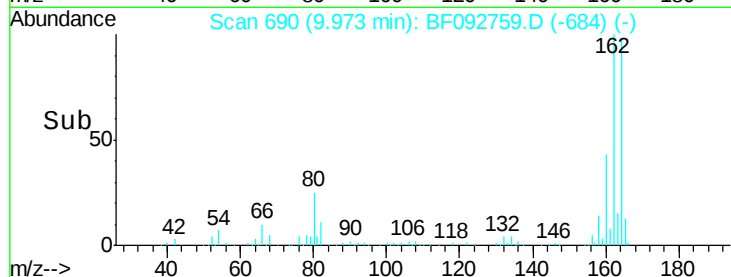
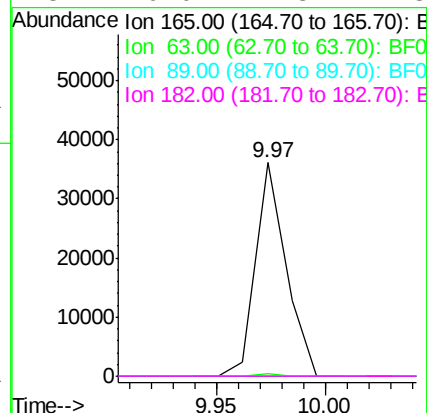
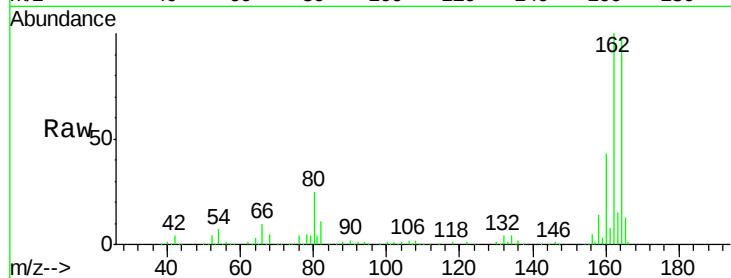




#56  
 2,4-Dinitrotoluene  
 Concen: 6.58 ng  
 RT: 9.97 min Scan# 690  
 Delta R.T. -0.23 min  
 Lab File: BF092759.D  
 Acq: 3 Feb 2017 2:16

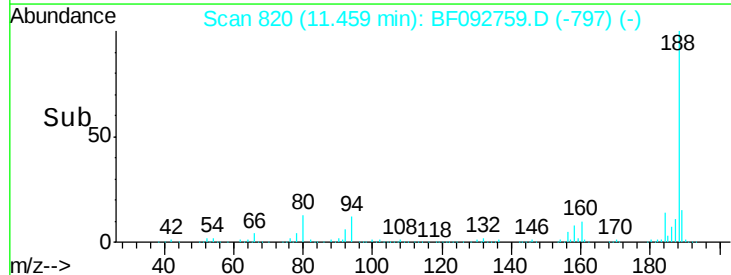
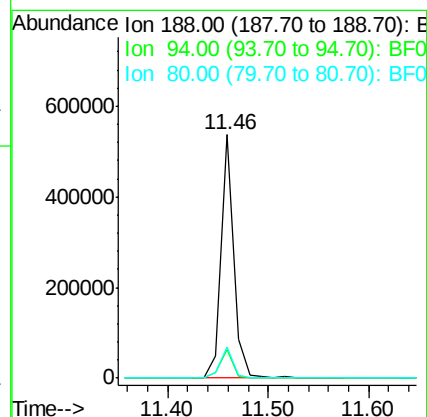
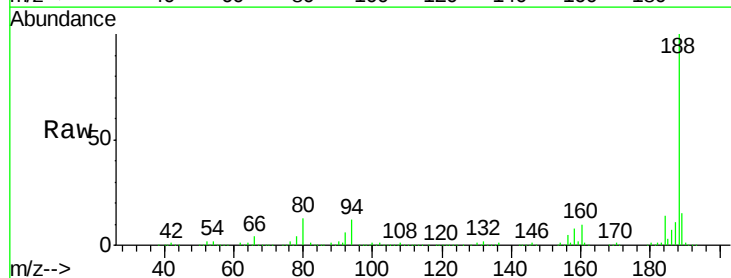
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-42-COMP

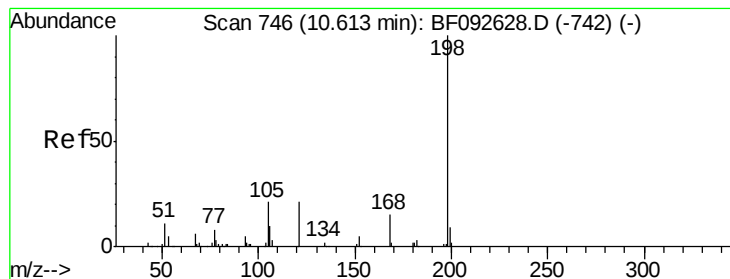
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.0   | 40.2  | 60.4# |
| 89      | 0.0   | 62.5  | 93.7# |
| 182     | 0.0   | 1.8   | 2.8#  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.46 min Scan# 820  
 Delta R.T. -0.03 min  
 Lab File: BF092759.D  
 Acq: 3 Feb 2017 2:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 12.0  | 10.0  | 15.0  |
| 80      | 12.7  | 11.2  | 16.8  |





#64

4,6-Dinitro-2-methylphenol

Concen: 2.80 ng

RT: 10.76 min Scan# 759

Delta R.T. 0.15 min

Lab File: BF092759.D

Acq: 3 Feb 2017 2:16

Instrument :

BNA\_F

ClientSampleId :

SB-42-COMP

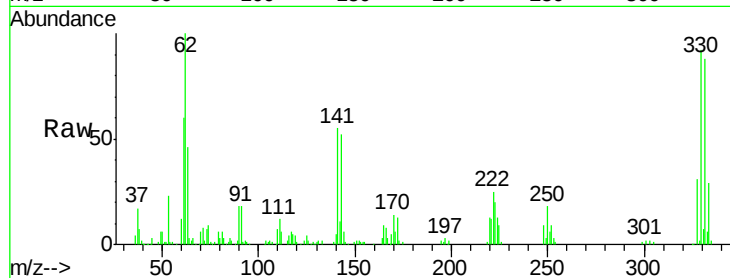
Tgt Ion:198 Resp: 396

Ion Ratio Lower Upper

198 100

51 217.3 6.7 46.7#

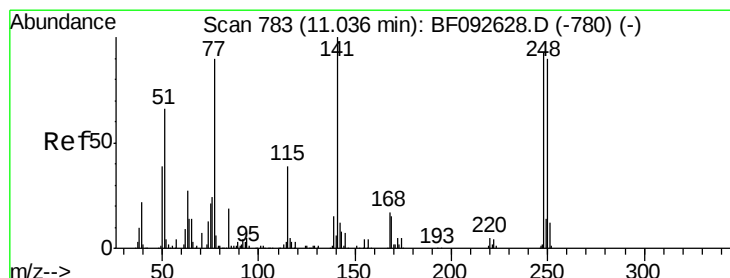
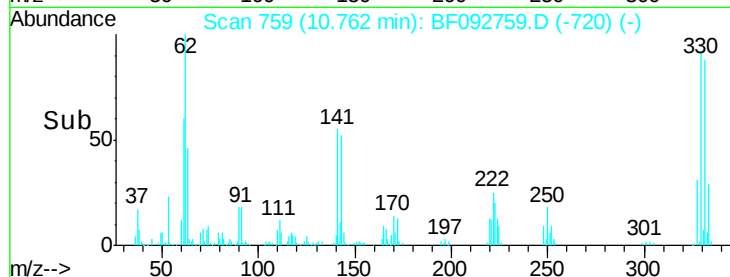
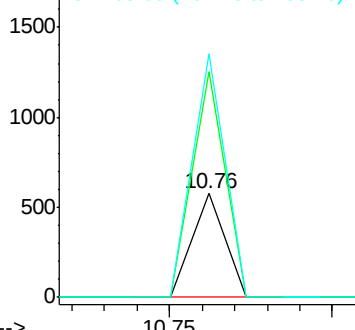
105 234.5 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 3.22 ng

RT: 10.76 min Scan# 759

Delta R.T. -0.27 min

Lab File: BF092759.D

Acq: 3 Feb 2017 2:16

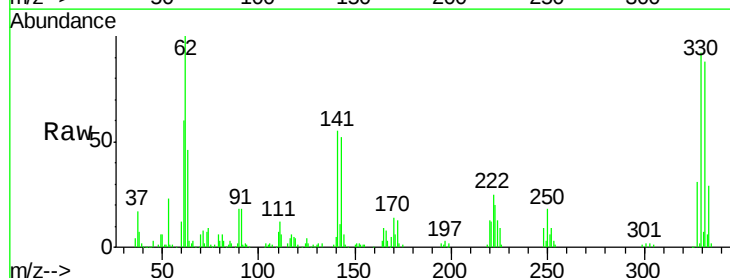
Tgt Ion:248 Resp: 15770

Ion Ratio Lower Upper

248 100

250 202.0 76.9 115.3#

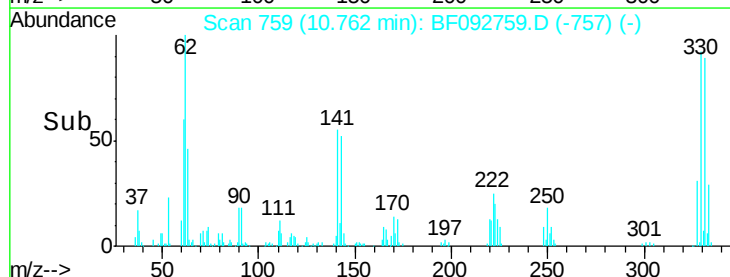
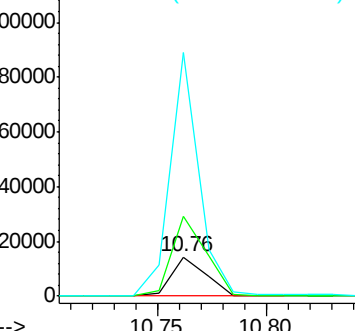
141 618.4 68.2 102.4#

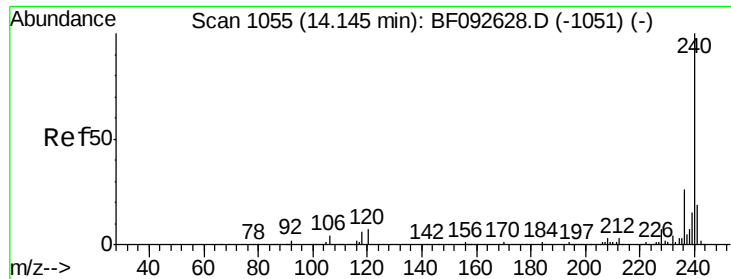


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.10 min Scan# 1051

Delta R.T. -0.05 min

Lab File: BF092759.D

Acq: 3 Feb 2017 2:16

Instrument :

BNA\_F

ClientSampleId :

SB-42-COMP

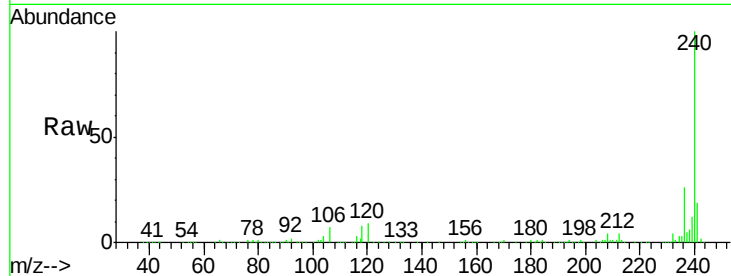
Tgt Ion:240 Resp: 335576

Ion Ratio Lower Upper

240 100

120 9.4 12.9 19.3#

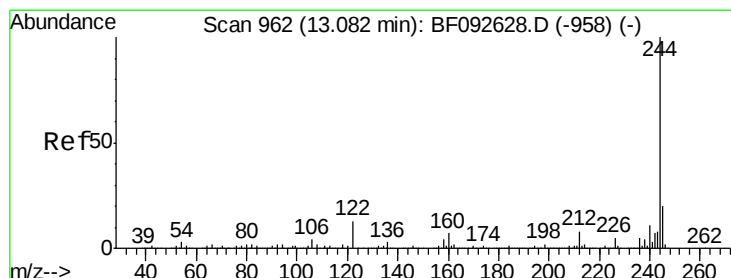
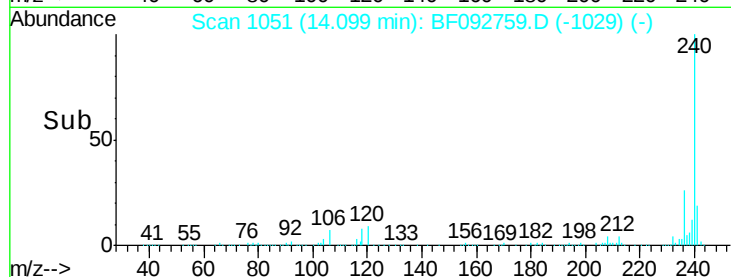
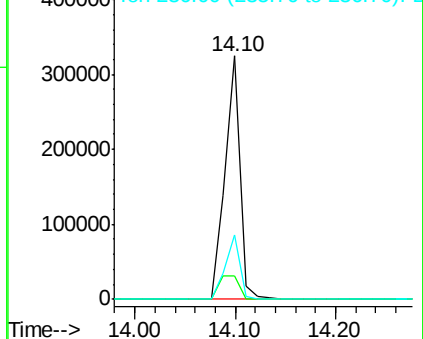
236 26.4 20.9 31.3



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: 67.84 ng

RT: 13.05 min Scan# 959

Delta R.T. -0.03 min

Lab File: BF092759.D

Acq: 3 Feb 2017 2:16

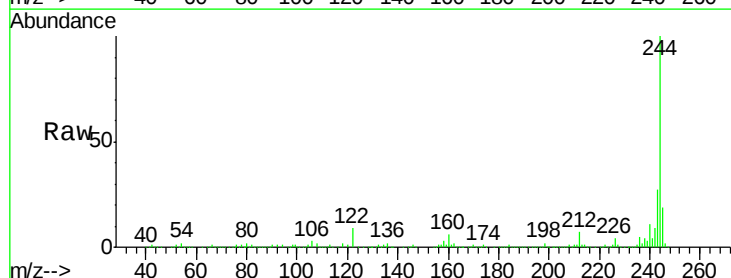
Tgt Ion:244 Resp: 968835

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

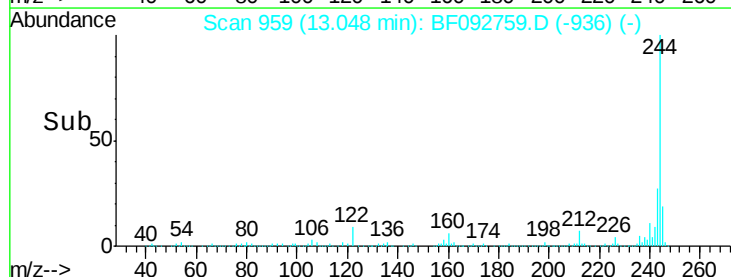
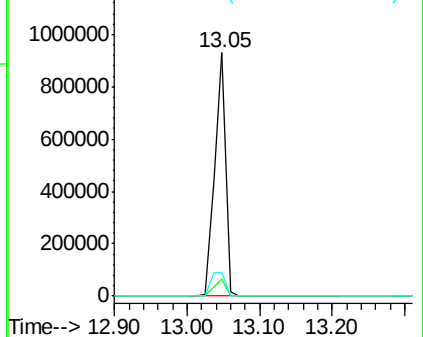
122 9.5 11.4 17.2#

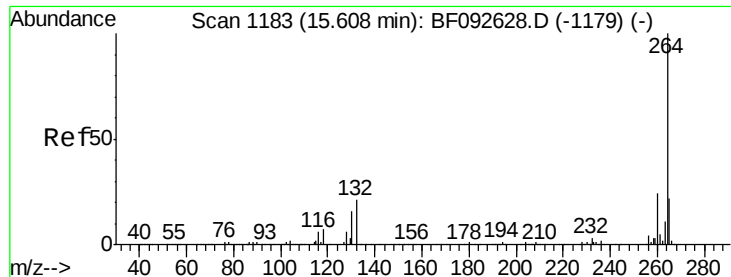


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.56 min Scan# 1179  
Delta R.T. -0.05 min  
Lab File: BF092759.D  
Acq: 3 Feb 2017 2:16

Instrument :  
BNA\_F  
ClientSampleId :  
SB-42-COMP

Tgt Ion: 264 Resp: 304581  
Ion Ratio Lower Upper  
264 100  
260 23.1 19.2 28.8  
265 20.7 17.4 26.0

