

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF060416\  
 Data File : BF087665.D  
 Acq On : 4 Jun 2016 14:43  
 Operator : UM/SJ  
 Sample : PB91096BL  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91096BL

Quant Time: Jun 05 00:57:32 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 04 11:07:28 2016  
 Response via : Initial Calibration

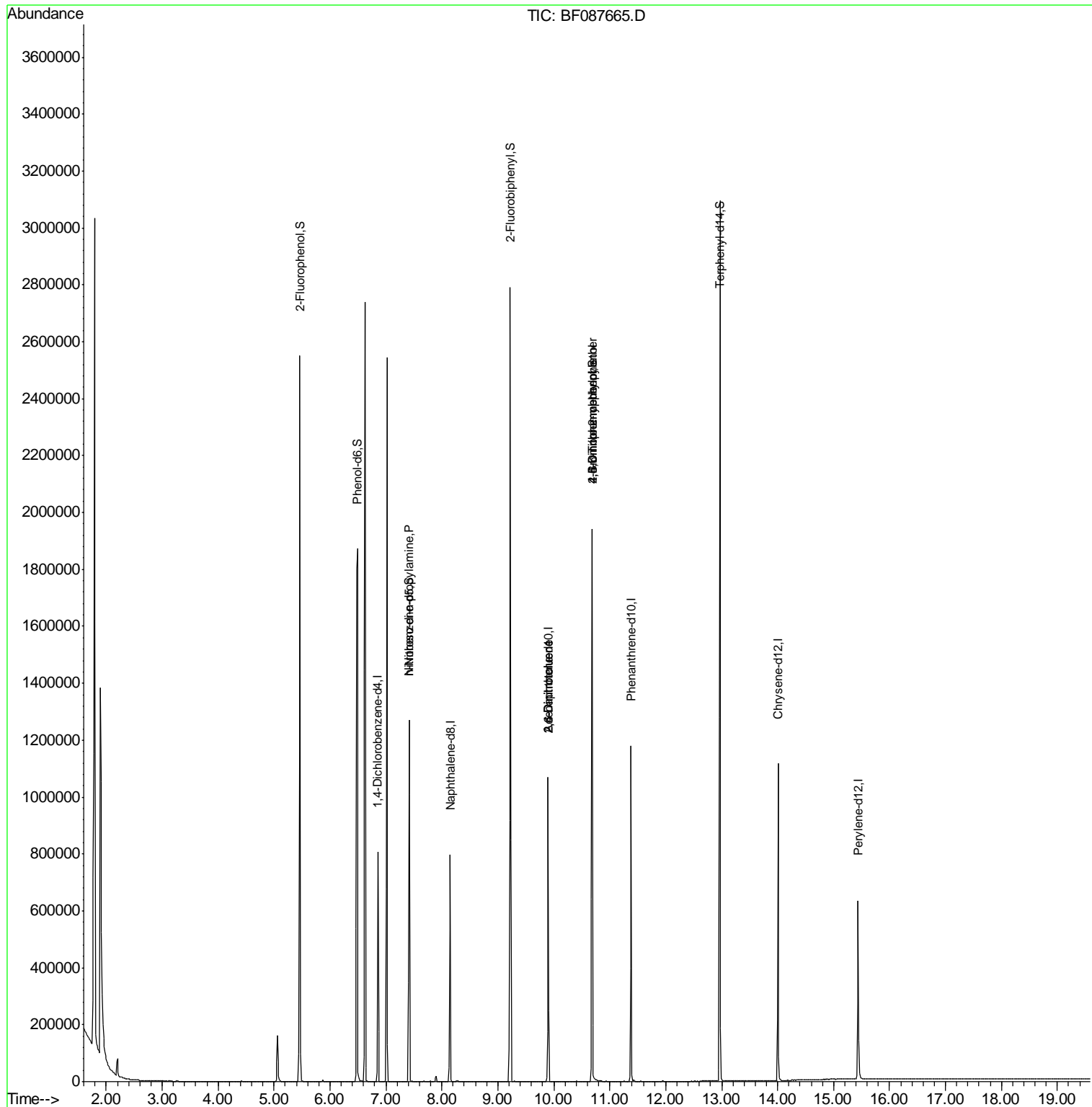
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.86  | 152  | 118784   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.15  | 136  | 487351   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.90  | 164  | 218852   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.38 | 188  | 442715   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.01 | 240  | 356748   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.44 | 264  | 273778   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.46  | 112  | 776552   | 105.67 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.49  | 99   | 1123925  | 121.95 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 617007   | 73.25  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.68 | 330  | 237072   | 107.92 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.22  | 172  | 1107886  | 74.78  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.97 | 244  | 1003631  | 68.65  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 80591    | 14.00  | ng    | # 78     |
| 50) 2,6-Dinitrotoluene         | 9.90  | 165  | 28292    | 7.82   | ng    | # 39     |
| 56) 2,4-Dinitrotoluene         | 9.90  | 165  | 28293    | 6.14   | ng    | # 38     |
| 64) 4,6-Dinitro-2-methylphenol | 10.68 | 198  | 438      | 2.19   | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.68 | 248  | 14802    | 3.37   | ng    | # 1      |

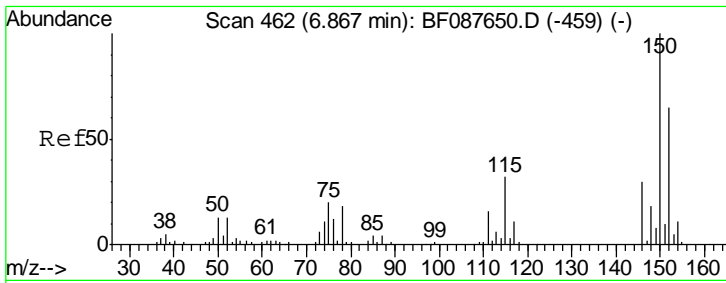
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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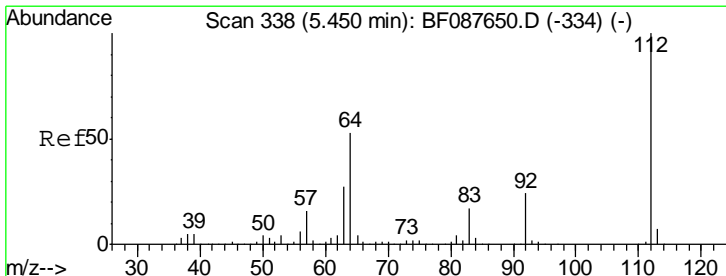
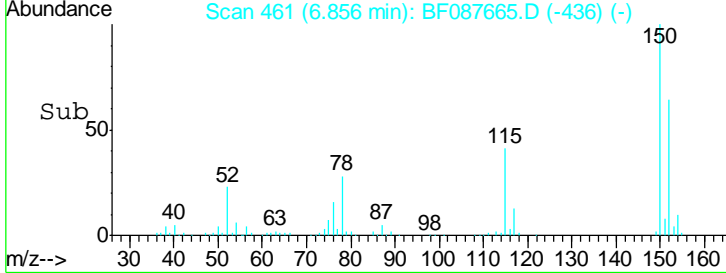
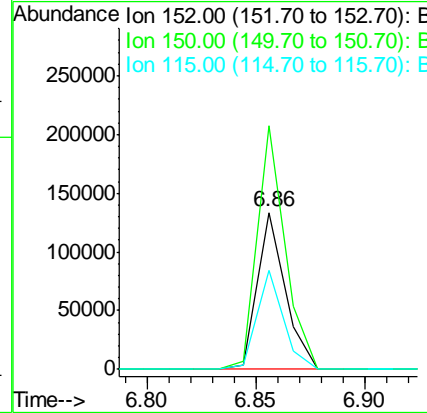
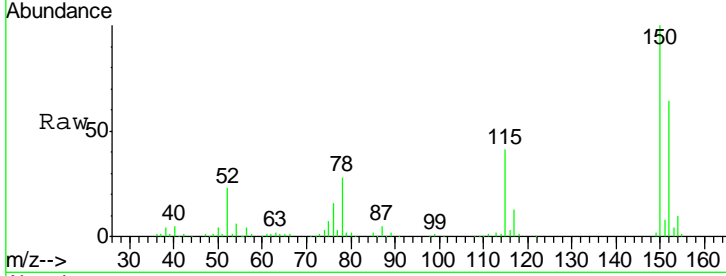


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.86 min Scan# 461  
 Delta R.T. -0.01 min  
 Lab File: BF087665.D  
 Acq: 4 Jun 2016 14:43

**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 PB91096BL

Tgt Ion:152 Resp: 118784

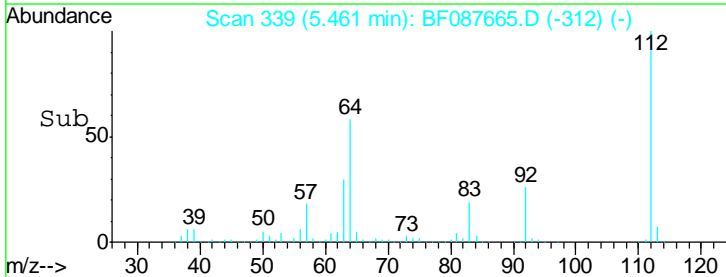
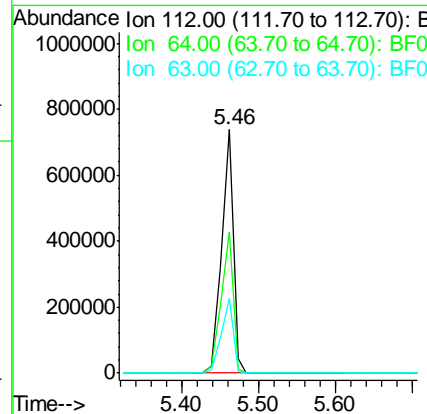
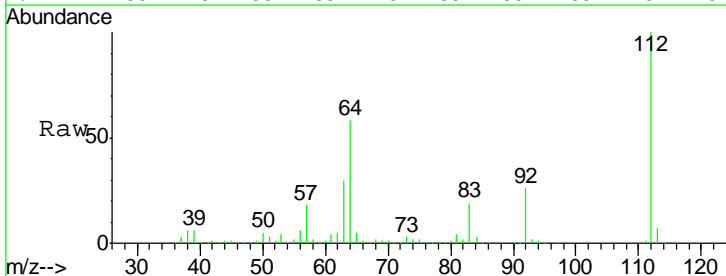
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 150 | 155.4 | 123.8 | 185.6 |
| 115 | 63.2  | 39.6  | 59.4  |

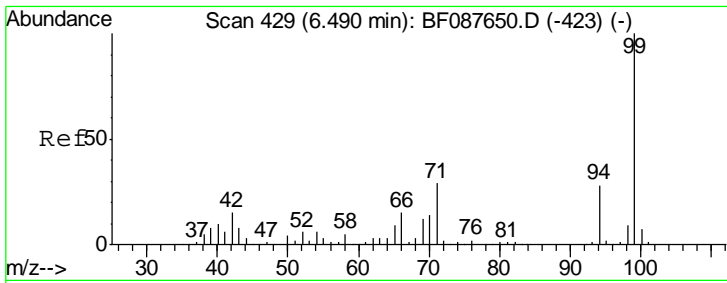


#5  
 2-Fluorophenol  
 Concen: 105.67 ng  
 RT: 5.46 min Scan# 339  
 Delta R.T. 0.01 min  
 Lab File: BF087665.D  
 Acq: 4 Jun 2016 14:43

Tgt Ion:112 Resp: 776552

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 112 | 100   |       |       |
| 64  | 58.1  | 42.2  | 63.2  |
| 63  | 30.5  | 21.8  | 32.8  |



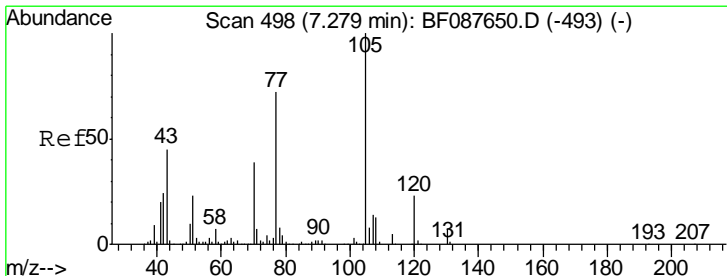
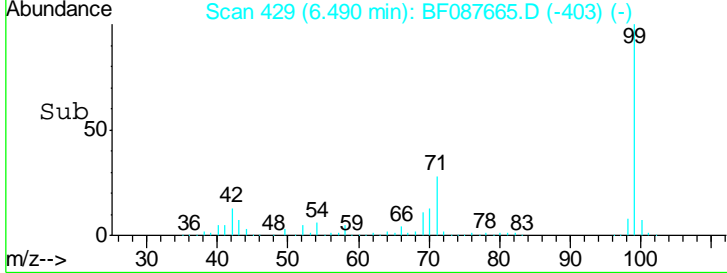
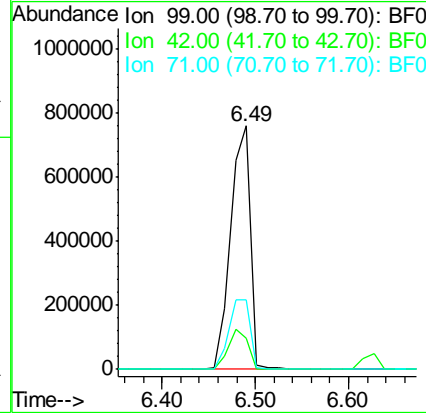
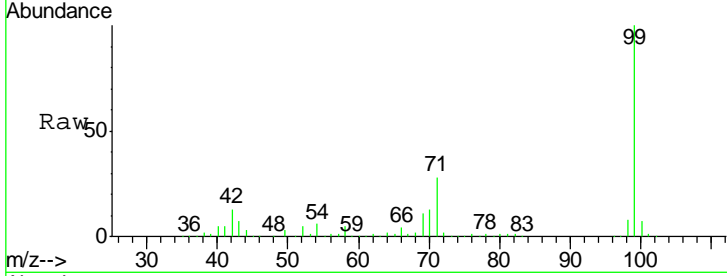


#7  
 Phenol-d6  
 Concen: 121.95 ng  
 RT: 6.49 min Scan# 429  
 Delta R.T. -0.00 min  
 Lab File: BF087665.D  
 Acq: 4 Jun 2016 14:43

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB91096BL

Tgt Ion: 99 Resp: 1123925

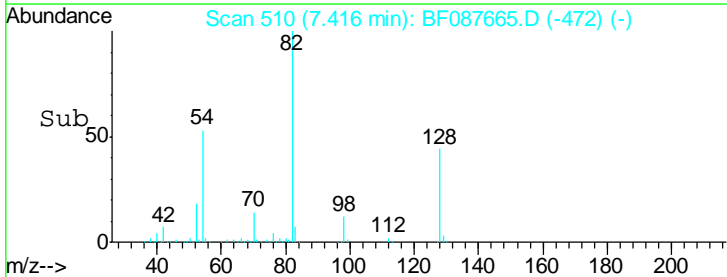
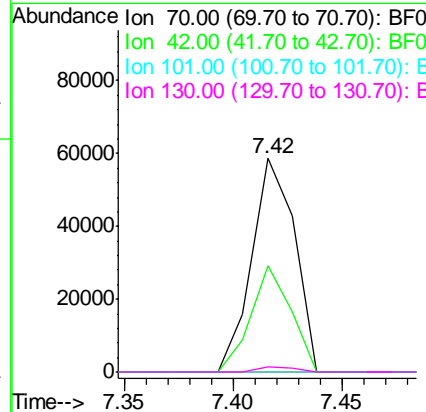
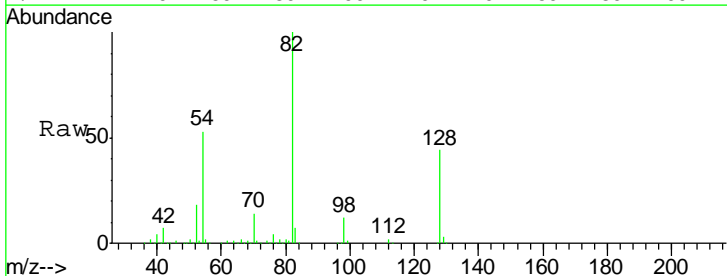
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 12.9  | 12.2  | 18.2  |
| 71  | 28.3  | 23.4  | 35.0  |

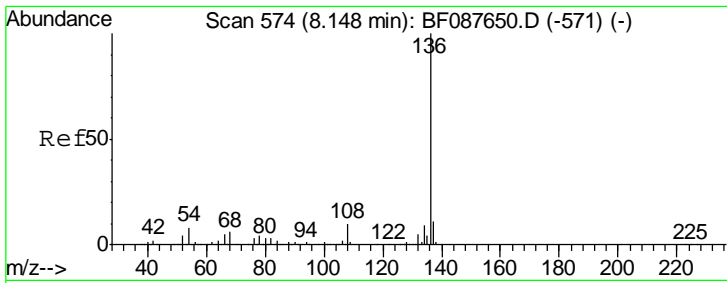


#19  
 n-Nitroso-di-n-propylamine  
 Concen: 14.00 ng  
 RT: 7.42 min Scan# 510  
 Delta R.T. 0.14 min  
 Lab File: BF087665.D  
 Acq: 4 Jun 2016 14:43

Tgt Ion: 70 Resp: 80591

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 49.7  | 49.6  | 74.4  |
| 101 | 0.0   | 7.1   | 10.7# |
| 130 | 2.1   | 15.4  | 23.2# |

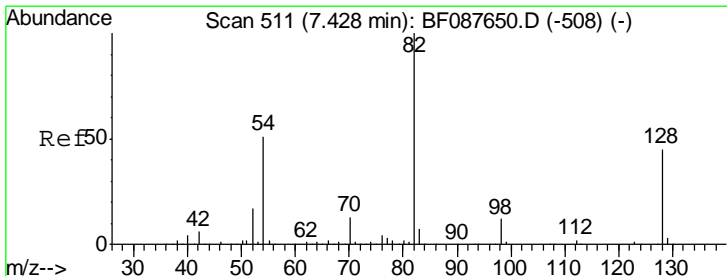
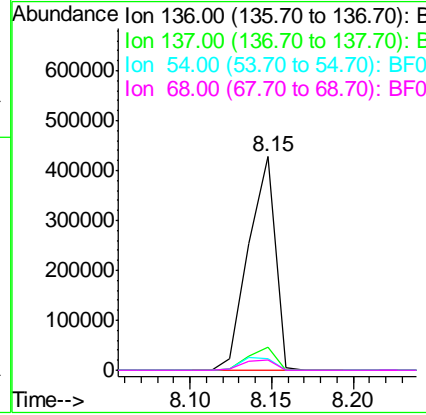
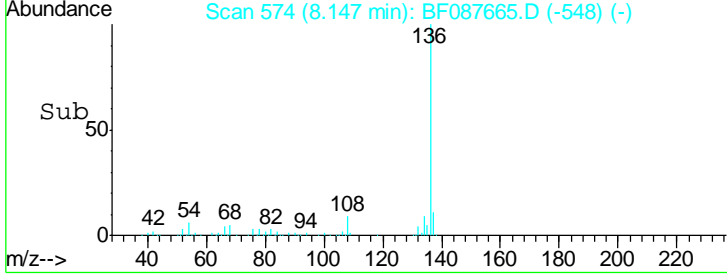
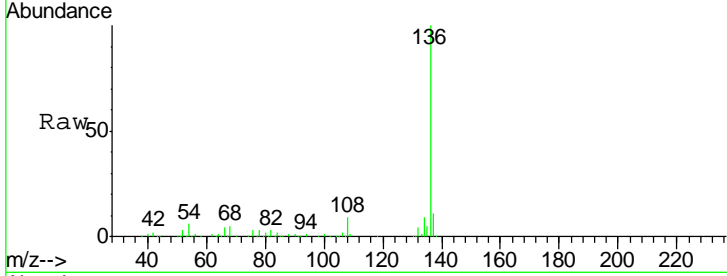




#21  
 Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 8.15 min Scan# 574  
 Delta R.T. -0.00 min  
 Lab File: BF087665.D  
 Acq: 4 Jun 2016 14:43

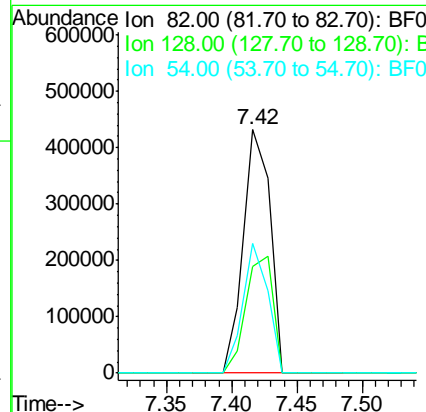
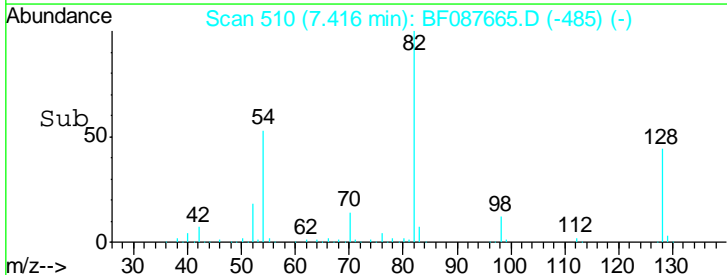
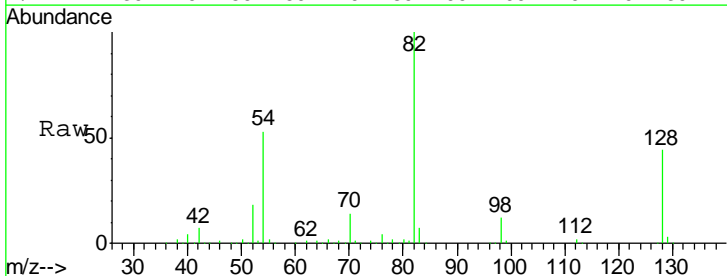
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 PB91096BL

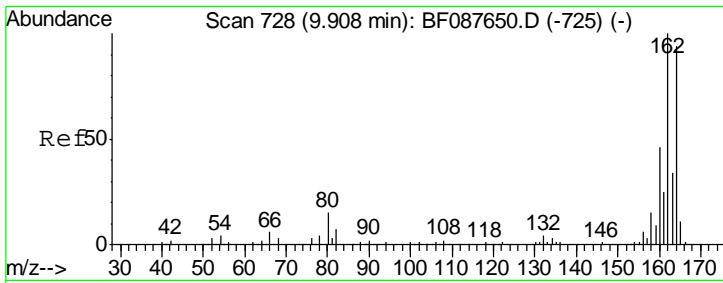
| Tgt Ion | Resp   | Lower | Upper |
|---------|--------|-------|-------|
| 136     | 487351 |       |       |
| 137     | 10.8   | 9.1   | 13.7  |
| 54      | 5.7    | 6.6   | 10.0# |
| 68      | 4.7    | 5.1   | 7.7#  |



#23  
 Nitrobenzene-d5  
 Concen: 73.25 ng  
 RT: 7.42 min Scan# 510  
 Delta R.T. -0.01 min  
 Lab File: BF087665.D  
 Acq: 4 Jun 2016 14:43

| Tgt Ion | Resp   | Lower | Upper |
|---------|--------|-------|-------|
| 82      | 617007 |       |       |
| 128     | 44.0   | 35.9  | 53.9  |
| 54      | 53.2   | 40.9  | 61.3  |

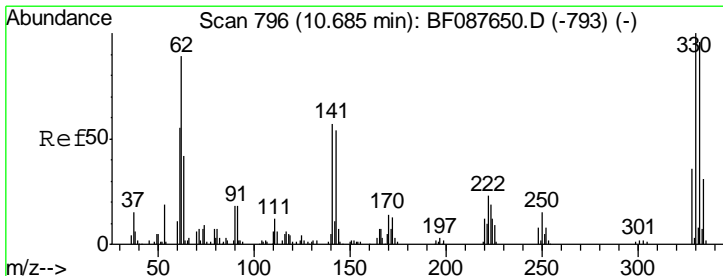
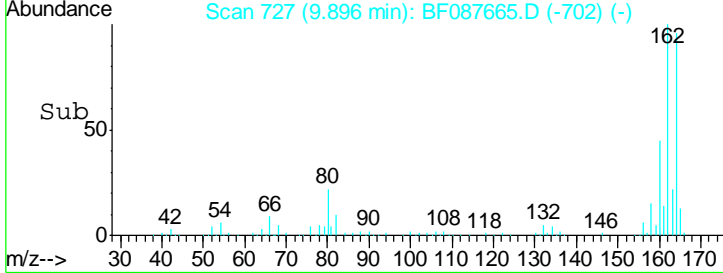
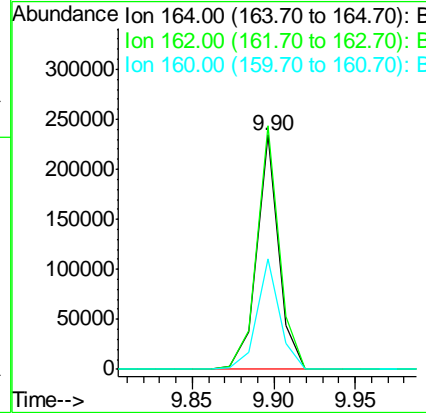
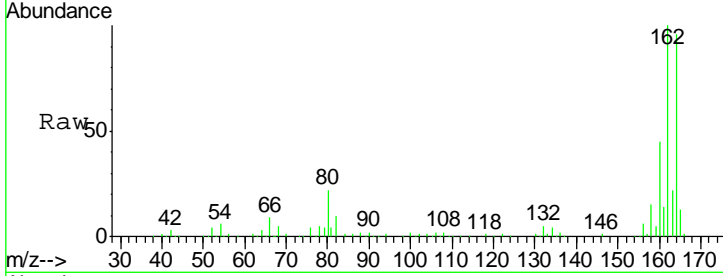




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.90 min Scan# 727  
 Delta R.T. -0.01 min  
 Lab File: BF087665.D  
 Acq: 4 Jun 2016 14:43

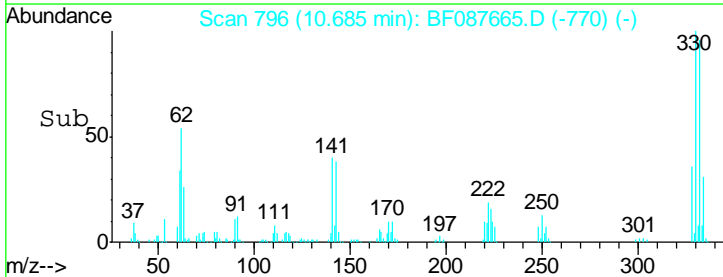
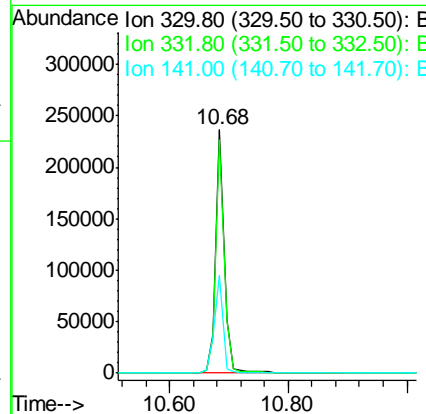
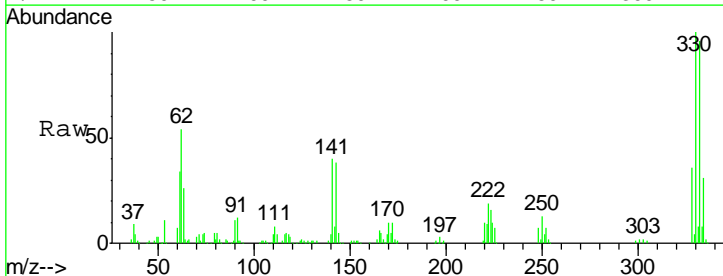
Instrument :  
 BNA\_F  
 ClientSampled :  
 PB91096BL

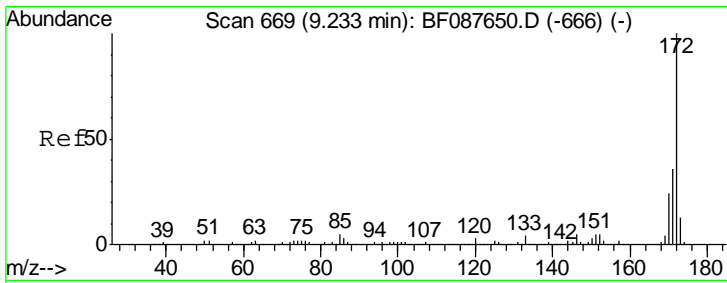
| Tgt Ion | Resp  | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.0 | 85.4  | 128.2 |
| 160     | 47.2  | 39.5  | 59.3  |



#41  
 2,4,6-Tribromophenol  
 Concen: 107.92 ng  
 RT: 10.68 min Scan# 796  
 Delta R.T. -0.00 min  
 Lab File: BF087665.D  
 Acq: 4 Jun 2016 14:43

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 330     | 100  |       |       |
| 332     | 95.7 | 0.0   | 0.0#  |
| 141     | 40.8 | 0.0   | 0.0#  |



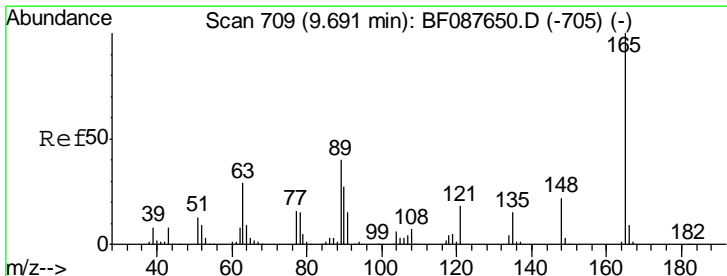
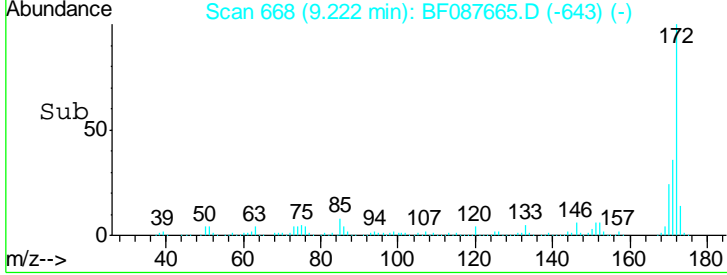
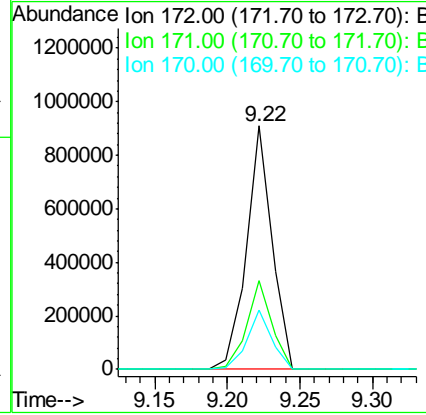
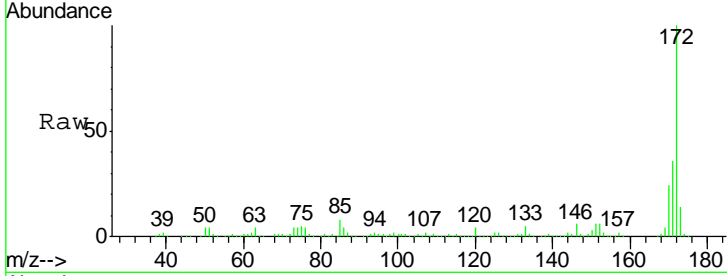


#44  
 2-Fluorobiphenyl  
 Concen: 74.78 ng  
 RT: 9.22 min Scan# 668  
 Delta R.T. -0.01 min  
 Lab File: BF087665.D  
 Acq: 4 Jun 2016 14:43

Instrument :  
 BNA\_F  
 ClientSampleID :  
 PB91096BL

Tgt Ion:172 Resp: 1107886

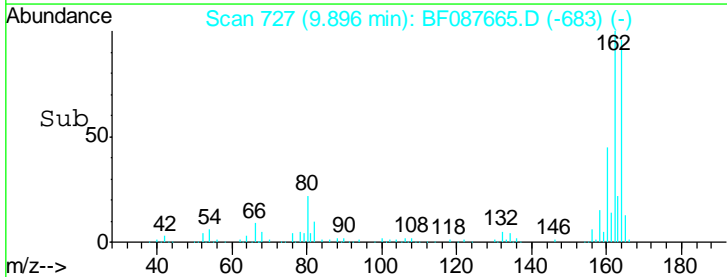
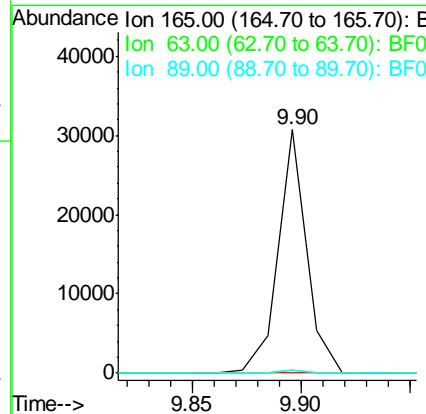
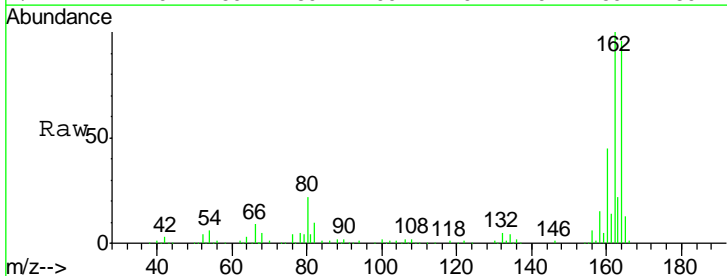
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.3  | 28.6  | 43.0  |
| 170 | 24.3  | 19.2  | 28.8  |

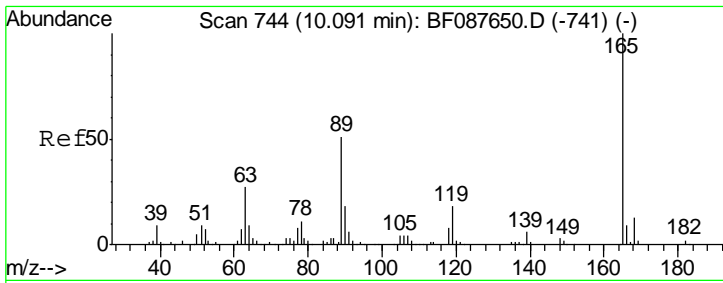


#50  
 2,6-Dinitrotoluene  
 Concen: 7.82 ng  
 RT: 9.90 min Scan# 727  
 Delta R.T. 0.21 min  
 Lab File: BF087665.D  
 Acq: 4 Jun 2016 14:43

Tgt Ion:165 Resp: 28292

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 1.2   | 28.1  | 42.1# |
| 89  | 1.5   | 32.2  | 48.2# |

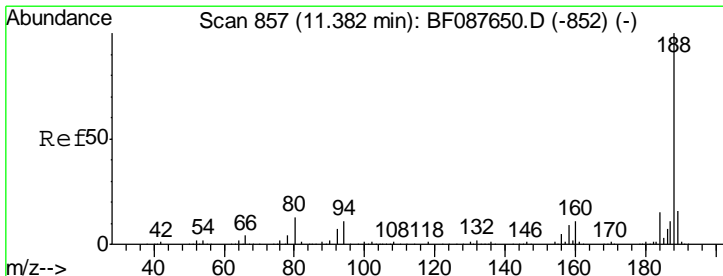
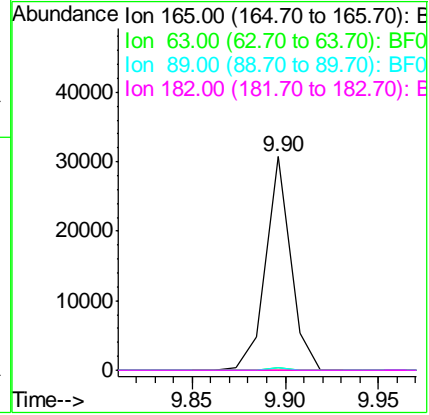
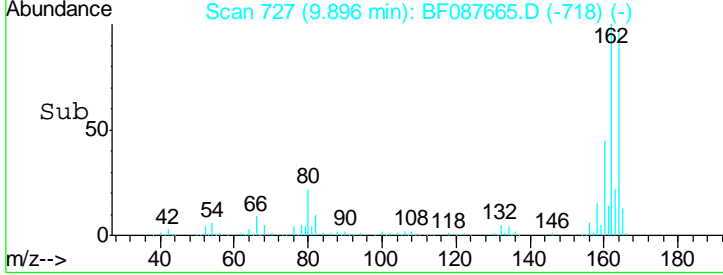
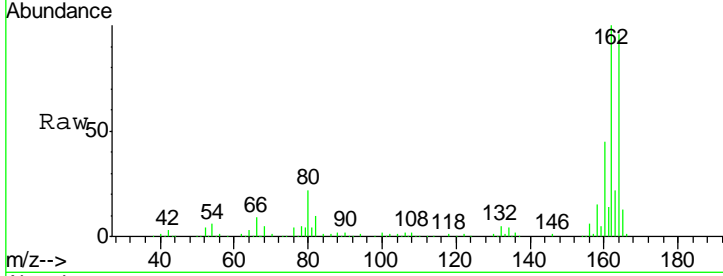




#56  
 2,4-Dinitrotoluene  
 Concen: 6.14 ng  
 RT: 9.90 min Scan# 727  
 Delta R.T. -0.19 min  
 Lab File: BF087665.D  
 Acq: 4 Jun 2016 14:43

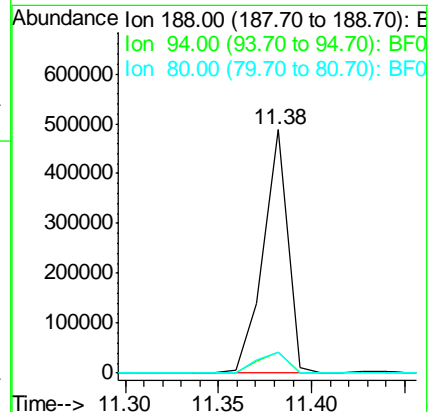
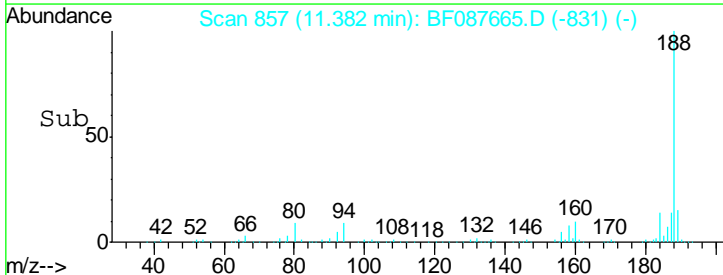
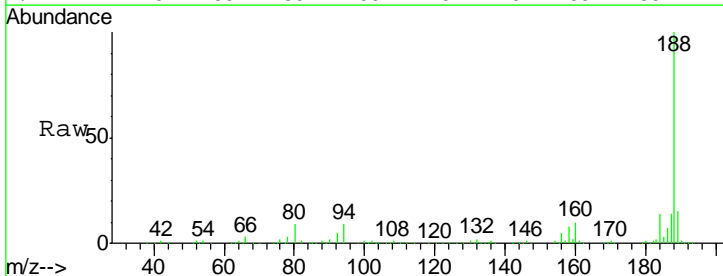
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 PB91096BL

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 165     | 100  |       |       |
| 63      | 1.2  | 22.0  | 33.0# |
| 89      | 1.5  | 41.1  | 61.7# |
| 182     | 0.0  | 2.0   | 3.0#  |

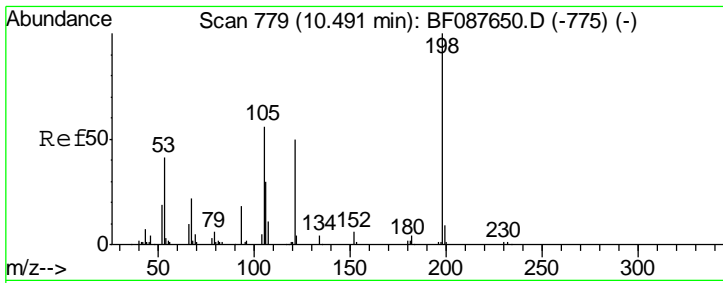


#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.38 min Scan# 857  
 Delta R.T. -0.00 min  
 Lab File: BF087665.D  
 Acq: 4 Jun 2016 14:43

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 188     | 100  |       |       |
| 94      | 8.7  | 9.0   | 13.6# |
| 80      | 8.7  | 10.0  | 15.0# |



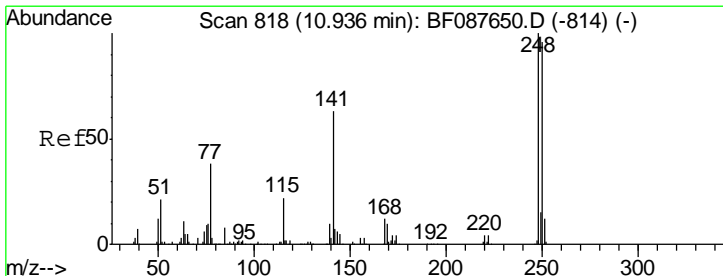
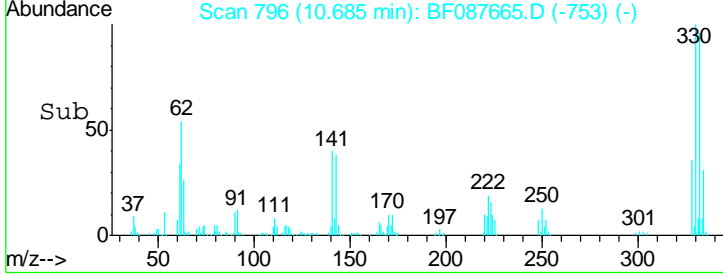
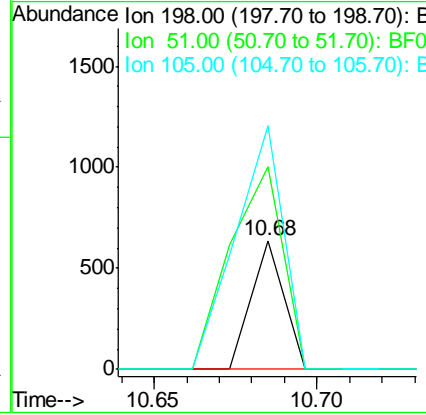
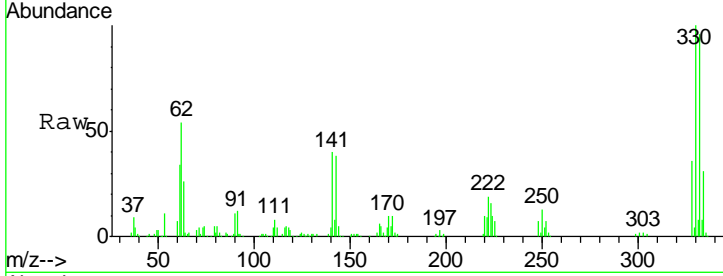




#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 2.19 ng  
 RT: 10.68 min Scan# 796  
 Delta R.T. 0.19 min  
 Lab File: BF087665.D  
 Acq: 4 Jun 2016 14:43

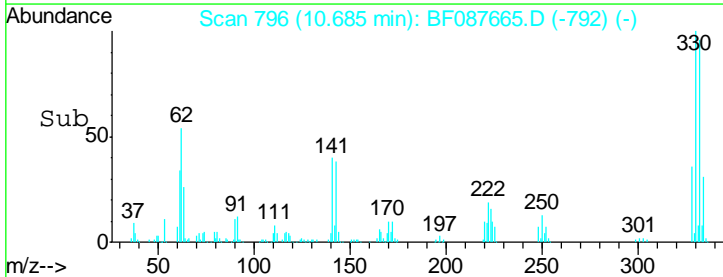
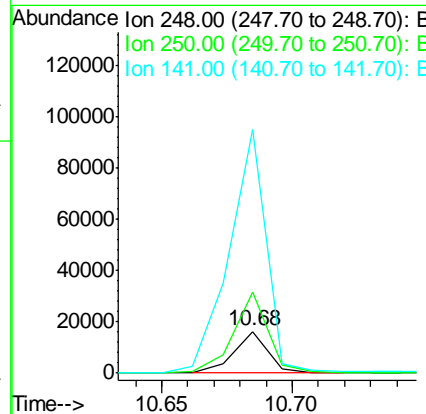
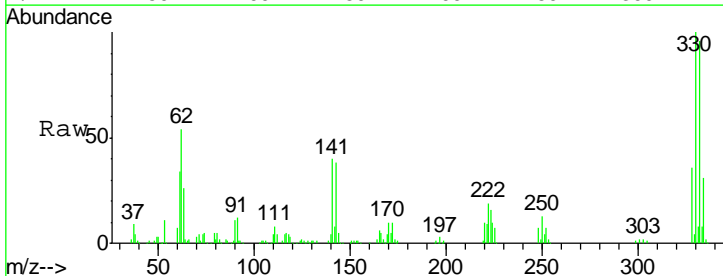
Instrument :  
 BNA\_F  
 ClientSampled :  
 PB91096BL

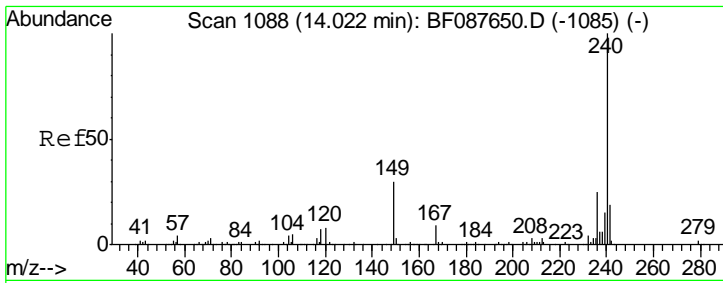
| Tgt Ion | Resp  | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 157.2 | 39.6  | 79.6# |
| 105     | 188.9 | 36.6  | 76.6# |



#66  
 4-Bromophenyl-phenylether  
 Concen: 3.37 ng  
 RT: 10.68 min Scan# 796  
 Delta R.T. -0.25 min  
 Lab File: BF087665.D  
 Acq: 4 Jun 2016 14:43

| Tgt Ion | Resp  | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 193.1 | 77.1  | 115.7# |
| 141     | 579.5 | 50.6  | 76.0#  |

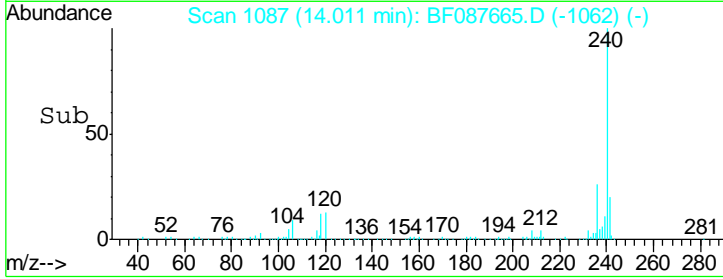
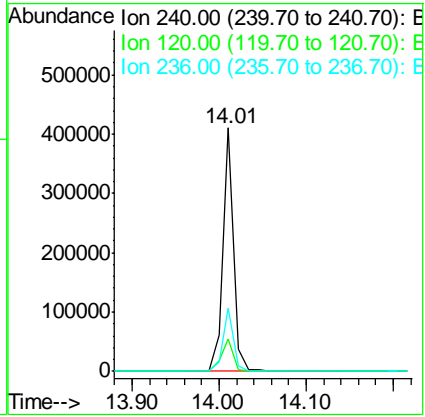
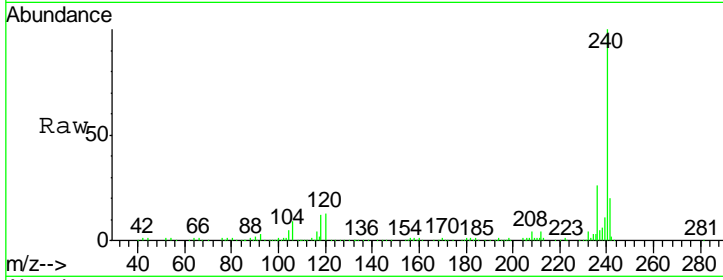




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.01 min Scan# 1087  
 Delta R.T. -0.01 min  
 Lab File: BF087665.D  
 Acq: 4 Jun 2016 14:43

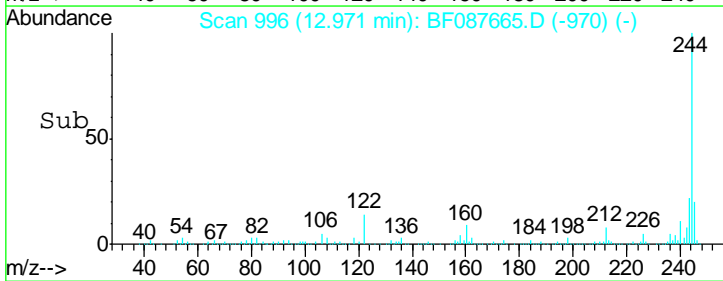
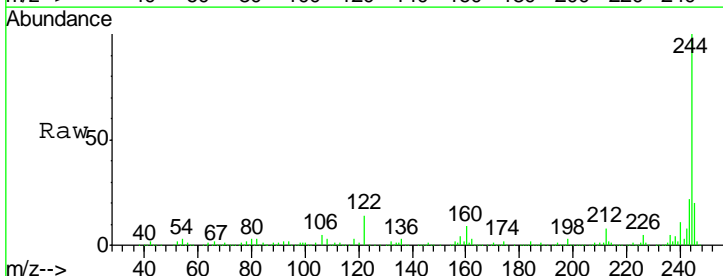
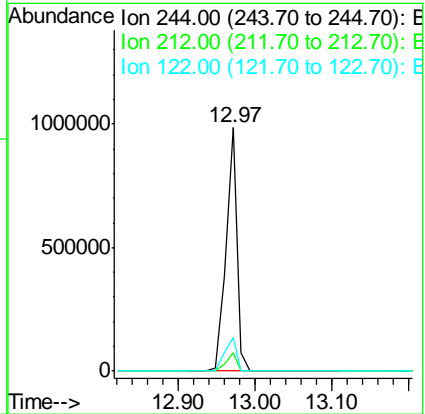
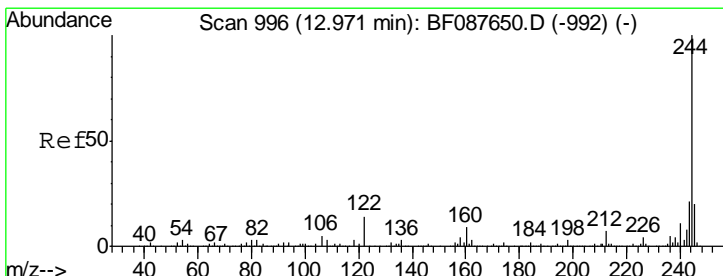
Instrument :  
 BNA\_F  
 ClientSampled :  
 PB91096BL

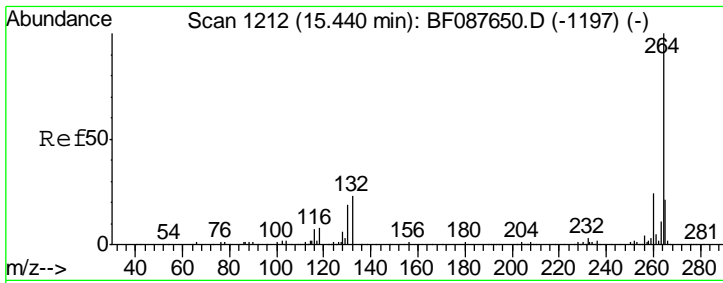
| Tgt Ion | Resp   | Lower | Upper |
|---------|--------|-------|-------|
| 240     | 356748 |       |       |
| 120     | 13.1   | 6.8   | 10.2# |
| 236     | 25.8   | 20.2  | 30.2  |



#78  
 Terphenyl-d14  
 Concen: 68.65 ng  
 RT: 12.97 min Scan# 996  
 Delta R.T. 0.00 min  
 Lab File: BF087665.D  
 Acq: 4 Jun 2016 14:43

| Tgt Ion | Resp    | Lower | Upper |
|---------|---------|-------|-------|
| 244     | 1003631 |       |       |
| 212     | 7.6     | 6.0   | 9.0   |
| 122     | 13.7    | 11.2  | 16.8  |





#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.44 min Scan# 1212  
 Delta R.T. -0.00 min  
 Lab File: BF087665.D  
 Acq: 4 Jun 2016 14:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB91096BL

Tgt Ion: 264 Resp: 273778

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.4  | 19.2  | 28.8  |
| 265 | 22.2  | 16.9  | 25.3  |

